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(652) Severnaya Zemlya
(653) Near coast of northern Siberia
(654) East of Severnaya Zemlya
(655) Laptev Sea 826

SEISMIC REGION 41.
Eastern Asia.
(656) Southeastern Siberia 826
(657) Priamurye-Northeastern China border region 826
(658) Northeastern China 826
(659) North Korea
(660) Sea of Japan 826
(661) Primorye 827
(662) Sakhalin Island 827
(663) Sea of Okhotsk 827
(664) Southeastern China 828
(665) Yellow Sea
(666) Off east coast of southeastern China

SEISMIC REGION 42.
Northeastern Asia, Northern Alaska to Greenland.
(667) North of New Siberian Islands
(668) New Siberian Islands
(669) Eastern Siberian Sea
(670) Near north coast of eastern Siberia
(671) Eastern Siberia 829
(672) Chukchi Sea
(673) Bering Strait
(674) St. Lawrence Island region
(675) Beaufort Sea 829
(676) Northern Alaska 829
(677) Northern Yukon Territory 830
(678) Queen Elizabeth Islands 830
(679) Northwest Territories 830
(680) Western Kalaallit Nunaat 831
(681) Baffin Bay 831
(682) Baffin Island region 831

SEISMIC REGION 43.
Southeastern and Antarctic Pacific Ocean.
(683) Southeastcentral Pacific Ocean
(684) Southern East Pacific Rise 831
(685) Easter Island region 832
(686) West Chile Rise 832
(687) Juan Fernandez Islands region
(688) East of North Island 833
(689) Chatham Islands region
(690) South of Chatham Islands 833
(691) Pacific-Antarctic Ridge 833
(692) Southern Pacific Ocean 835
(756) Southeast of Easter Island 835

SEISMIC REGION 44.
Galapagos Area.
(693) Eastcentral Pacific Ocean 836
(694) Central East Pacific Rise 836
(695) West of Galapagos Islands 837
(696) Galapagos Islands region 837
(697) Galapagos Islands
(698) Southwest of Galapagos Islands 837
(699) Southeast of Galapagos Islands
(757) Galapagos Triple Junction region 837

SEISMIC REGION 45.
Macquarie Loop.
(700) South of Tasmania
(701) West of Macquarie Island 837
(702) Balleny Islands region 838

SEISMIC REGION 46.
Andaman Islands to Sumatera.
(703) Andaman Islands region 838
(704) Nicobar Islands region 843
(705) Off west coast of northern Sumatera 844
(706) Northern Sumatera 846
(707) Malay Peninsula
(708) Gulf of Thailand

SEISMIC REGION 47.
Baluchistan.
(709) Southeastern Afghanistan 852
(710) Pakistan 853
(711) Southwestern Kashmir 859
(712) India-Pakistan border region 859

SEISMIC REGION 48.
Hindu Kush and Pamir.
(713) Central Kazakhstan 859
(714) Southeastern Uzbekistan 860
(715) Tajikistan 860
(716) Kyrgyzstan 862
(717) Afghanistan-Tajikistan border region 863
(718) Hindu Kush region 870
(719) Tajikistan-Xinjiang border region 874
(720) Northwestern Kashmir 884

SEISMIC REGION 49.
Northern Eurasia.
(721) Finland 885
(722) Norway-Murmansk border region 885
(723) Finland-Karelia border region 885
(724) Baltic States - Belarus - Northwestern Russia 885
(725) Northwestern Siberia
(726) Northern and central Siberia

SEISMIC REGION 50.
Antarctica.
(727) Victoria Land
(728) Ross Sea
(729) Antarctica 885

MAJOR EARTHQUAKES

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

(116) Central Peru

ISC	**VII**	**01 00 17 32.8–1.6**	**10.36S–.03**	**75.50W–.02**	**28–11**	**5.3b,5.0s**	**965**	**2-171**	
IDC	VII	01 00 17 28.3–.38	10.31S	75.55W	0	5.2,5.2			**¶13378991**
ISCJB	VII	01 00 17 31.0–.14	10.29S–.03	75.60W–.02	27	5.3b,5.0s			
GCMT	VII	01 00 17 30.9–.10	10.38S	75.42W	12	5.4W,5.0s			
MOS	VII	01 00 17 32.1–1.0	10.29S	75.57W	33	5.5b,5.0s			
NEIC	VII	01 00 17 33.2–1.4	10.37S	75.51W	33–9	5.4b,5.3L			

ISC Event type de.
IDC Error ellipse: s-maj=13.9km s-min=9.9km az=82.0.
ISCJB Event type de. Error ellipse: s-maj=4.2km s-min=2.8km az=36.4.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 95, comp=190, per= 50. Moment Tensor Solution. s65,c109; s15,c16; Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.02 $M_{\theta\theta}$-0.19±.02; $M_{\phi\phi}$-1.37±.02; $M_{r\theta}$0.24±.06; $M_{\theta\phi}$0.61±.02; $M_{\phi r}$0.64±.06; Best double couple: NP1:ϕ_s142.00000°,δ38.00000°,λ66.00000°. NP2:ϕ_s352.00000°,δ56.00000°,λ108.00000°. Principal axes: T 1.7600,Plg73.0000°,Azm309.0000°; N -0.0600,Plg15.0000°,Azm162.0000°; P -1.7100,Plg9.0000°,Azm69.0000° $M_0$1.70000×10^{17}
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=95.8.
NEIC Event type de. Error ellipse: s-maj=4.5km s-min=3.0km az=225.0. Forty-five people injured in Oxapampa. About 60 houses destroyed and 25 damaged in Huancabamba. Landslides destroyed roads between Huancabamba and Pozuzo. Felt [VI] at Espiritu Pata, Huancabamba, Jatunpata, Lanturache, Tingo and Torrebamba; [III] at Chotabanda, Oxapampa, Palcazu and Pozuzo; [II] at Puerto Bermudez and Villa Rica.

(732) East of South Sandwich Islands

ISC	**VII**	**01 01 54 40.8–3.0**	**58.25S–.04**	**21.81W–.08**	**3–18**	**5.6b,5.1s**	**117**	**14-175**	
ISCJB	VII	01 01 54 40.2–.23	58.20S–.04	21.82W–.08	10	5.6b,5.1s			**¶13378998**
IDC	VII	01 01 54 40.0–.32	58.18S	21.85W	0	5.3,5.3			
BJI	VII	01 01 54 40.0	58.10S	21.90W	10	5.7b,5.5s			
NEIC	VII	01 01 54 41.4–.14	58.12S	21.88W	10	5.7b,5.6W			
MOS	VII	01 01 54 44.5–.87	58.11S	21.58W	33	5.6b,5.0s			
GCMT	VII	01 01 54 45.6–.10	58.35S	21.57W	12	5.6W,5.0s			
DJA	VII	01 01 54 45	58.40S	20.99W	10	6.1W,5.0s			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.6km az=40.9.
IDC Error ellipse: s-maj=14.2km s-min=11.7km az=13.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.7km az=191.0. Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93 $M_{\theta\theta}$2.11 $M_{\phi\phi}$3.04 $M_{r\theta}$0.47 $M_{\theta\phi}$2.41 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s246.00000°,δ81.00000°,λ-9.00000°. NP2:ϕ_s337.00000°,δ81.00000°,λ-171.00000°. Principal axes: T 3.9900,Plg0.0000°,Azm291.0000°; N -0.8200,Plg77.0000°,Azm22.0000°; P -3.1700,Plg12.0000°,Azm201.0000° $M_0$3.60000×10^{17}
MOS Error ellipse: s-maj=24.6km s-min=13.9km az=94.7.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 99, comp=183, per= 50. Moment Tensor Solution. s70,c115; s29,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}1.78±.04 $M_{\theta\theta}$-3.04±.03; $M_{\phi\phi}$1.26±.04; $M_{r\theta}$-0.49±.09; $M_{\theta\phi}$0.81±.03; $M_{\phi r}$-0.92±.11; Best double couple: NP1:ϕ_s133.00000°,δ54.00000°,λ142.00000°. NP2:ϕ_s248.00000°,δ60.00000°,λ43.00000°. Principal axes: T 2.6100,Plg51.0000°,Azm104.0000°; N 0.6000,Plg39.0000°,Azm276.0000°; P -3.2100,Plg4.0000°,Azm10.0000° $M_0$2.90000×10^{17}

(221) Kuril Islands

ISC	**VII**	**01 23 15 13.6–.12**	**44.76N–.03**	**149.50E–.02**	**48**	**4.8b,4.3s**	**842**	**1-151**	
NIED	VII	01 23 15 00	44.90N	149.70E	35	4.8W,4.3s			**¶13379116**
BJI	VII	01 23 15 10.6	44.65N	149.86E	51	4.9b,4.8b			
JMA	VII	01 23 15 10.3–.50	44.87N	149.70E	30	5.1,4.8b			
MOS	VII	01 23 15 11.7–.92	44.77N	149.52E	46	5.0b,4.3s			
ISCJB	VII	01 23 15 11.5–.12	44.72N–.03	149.53E–.02	46	4.8b,4.3s			
SKHL	VII	01 23 15 12.5–.90	44.83N	149.63E	55–4	5.5b,5.2			
NEIC	VII	01 23 15 12.8–.48	44.74N	149.50E	42–4	4.9b,4.5s			
IDC	VII	01 23 15 13.5–.51	44.89N	149.59E	47–5	4.4,4.3			
BGS	VII	01 23 15 15.5–2.0	44.95N	148.52E	49–0	4.9b,4.3			
GCMT	VII	01 23 15 16.3–.50	44.73N	149.64E	31–1	4.9W,4.3			
SZGRF	VII	01 23 15 21.9	46.50N	148.50E	33	5.1b,4.4s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ64.00000°,λ89.00000°. NP2:ϕ_s217.00000°,δ26.00000°,λ92.00000°. $M_0$1.89000×10^{16}
JMA Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=7.2km s-min=4.6km az=102.9.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=1.5km az=163.5.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.7km az=166.0.
IDC Error ellipse: s-maj=15.2km s-min=11.2km az=148.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s31,c41; s49,c68; Moment tensor: Scale 10^{16}Nm; M_{rr}1.88±.16 $M_{\theta\theta}$-1.16±.10; $M_{\phi\phi}$-0.73±.10; $M_{r\theta}$1.19±.14; $M_{\theta\phi}$-1.26±.06; $M_{\phi r}$0.77±.12; Best double couple: NP1:ϕ_s224.00000°,δ28.00000°,λ81.00000°. NP2:ϕ_s55.00000°,δ62.00000°,λ95.00000°. Principal axes: T 2.3300,Plg72.0000°,Azm336.0000°; N 0.3200,Plg4.0000°,Azm232.0000°; P -2.6600,Plg17.0000°,Azm141.0000° $M_0$2.50000×10^{16}
SZGRF Northwest of Kuril Islands, Russia.

(402) North Atlantic Ocean

ISC	**VII**	**03 06 34 55.4–.09**	**10.37N–.01**	**60.472W–.01**	**45**	**5.6b,5.4s**	**1774**	**1-175**	
BGS	VII	03 06 34 37.8–1.4	8.68N	62.27W	33–0	5.4s,5.4b			**¶12951001**
CASC	VII	03 06 34 46.2–4.0	9.89N	59.59W	35–999	5.7b,5.4b			
MOS	VII	03 06 34 51.8–.83	10.34N	60.44W	33	5.7b,5.3s			
LDG	VII	03 06 34 52.3–.35	10.38N	60.68W	46–0	5.6b,5.1s			
FUNV	VII	03 06 34 53.1	10.34N	60.20W	42	5.3W,5.1s			
NEIC	VII	03 06 34 53.7–.84	10.28N	60.44W	34–5	5.8W,5.7b			
ISCJB	VII	03 06 34 53.1–.09	10.37N–.01	60.492W–.01	43	5.6b,5.4s			
IDC	VII	03 06 34 54.9–.31	10.27N	60.53W	42–2	5.3s,5.3			
BJI	VII	03 06 34 54.0	11.26N	60.69W	33	5.7s,5.5b			
TRN	VII	03 06 34 54.6	10.50N	60.34W	26	5.6,5.5b			
GCMT	VII	03 06 34 56.6–.20	10.26N	60.28W	13–0	5.7W,5.5b			
SZGRF	VII	03 06 34 58.4	10.47N	59.65W	43	6.0b,5.5s			

ISC Event type fe.
BGS Error ellipse: s-maj=388.8km s-min=219.0km az=-1.0.
CASC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=4.8km s-min=3.5km az=55.1.
LDG Event type ke. Error ellipse: s-maj=18.3km s-min=10.1km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=176.0. Felt at Arouca and Galeota. Also felt on offshore platforms east of Trinidad. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s215.00000°,δ70.00000°,λ-90.00000°. NP2:ϕ_s35.00000°,δ20.00000°,λ-90.00000°. Principal axes: T Plg25.0000°,Azm305.0000°; N Plg0.0000°,Azm0.0000°; P Plg65.0000°,Azm125.0000° Moment Tensor Solution. s97 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.77 $M_{\theta\theta}$1.17 $M_{\phi\phi}$0.60 $M_{r\theta}$0.91 $M_{\theta\phi}$0.82 $M_{\phi r}$0.84 Best double couple: NP1:ϕ_s230.00000°,δ63.00000°,λ-94.00000°. NP2:ϕ_s59.00000°,δ28.00000°,λ-83.00000°. Principal axes: T 2.1400,Plg17.0000°,Azm323.0000°; N 0.0200,Plg3.0000°,Azm232.0000°; P -2.1700,Plg72.0000°,Azm131.0000° $M_0$2.10000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=7.1.
IDC Error ellipse: s-maj=10.5km s-min=8.8km az=139.0.
TRN Event type fe. Felt offshore East Trinidad, IV.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 91, comp=184, per= 50. Moment Tensor Solution. s97,c166; s43,c53; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.55±.07 $M_{\theta\theta}$3.10±.06; $M_{\phi\phi}$0.45±.07; $M_{r\theta}$-0.84±.14; $M_{\theta\phi}$1.97±.05; $M_{\phi r}$1.79±.16; Best double couple: NP1:ϕ_s86.00000°,δ50.00000°,λ-54.00000°. NP2:ϕ_s218.00000°,δ52.00000°,λ-125.00000°. Principal axes: T 4.1500,Plg1.0000°,Azm332.0000°; N 0.3900,Plg27.0000°,Azm241.0000°; P -4.5400,Plg63.0000°,Azm63.0000° $M_0$4.40000×10^{17}
SZGRF North Atlantic Ocean.

(228) Near east coast of eastern Honshu

ISC	**VII**	**05 07 49 03.8–.09**	**36.67N–.02**	**140.80E–.02**	**51**	**5.3b,4.5s**	**1201**	**0-161**	
BJI	VII	05 07 48 59.2	36.72N	141.08E	51	5.1b,5.0b			**¶13388236**
NIED	VII	05 07 49 00	36.70N	141.00E	53	5.1W,5.0b			
NEIC	VII	05 07 49 02.6	36.64N	140.95E	50	5.2b,5.1W			
MOS	VII	05 07 49 02.9–.76	36.99N	140.74E	45	5.5b,4.4s			
JMA	VII	05 07 49 02.5	36.64N	140.95E	50–1	5.2,4.4s			
ISCJB	VII	05 07 49 02.0–.09	36.65N–.02	140.82E–.02	49	5.3b,4.5s			
IDC	VII	05 07 49 03.3–.57	36.63N	140.96E	51–5	5.0,5.0			
SZGRF	VII	05 07 49 05.8	37.50N	141.50E	51	5.6b,5.0			
BGS	VII	05 07 49 05.8–1.4	36.91N	138.55E	33–0	5.3b,5.0			
DJA	VII	05 07 49 27	36.73N	140.69E	287	5.4W,5.0			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ77.00000°,λ95.00000°. NP2:ϕ_s216.00000°,δ14.00000°,λ69.00000°. $M_0$5.25000×10^{16}
NEIC Event type fe. Felt at Tokyo. Recorded [5L JMA] in Ibaraki; [4 JMA] in Tochigi; [3 JMA] in Fukushima and Gumma; [2 JMA] in Chiba, Miyagi, Saitama and Tokyo; [1 JMA] in Aomori, Iwate, Kanagawa, Nagano, Niigata, Shizouka, Yamagata and Yamanashi. After JMA. Moment Tensor Solution. $M_0$5.30000×10^{16}
MOS Error ellipse: s-maj=6.7km s-min=3.9km az=105.6.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s240.00000°,δ31.00000°,λ131.00000°. NP2:ϕ_s15.00000°,δ67.00000°,λ68.00000°. Principal axes: T Plg62.0000°,Azm251.0000°; N Plg20.0000°,Azm24.0000°; P Plg19.0000°,Azm121.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=157.3.
IDC Error ellipse: s-maj=8.7km s-min=7.6km az=154.0.
SZGRF Near east coast of eastern Honshu, Japan.
BGS Error ellipse: s-maj=247.0km s-min=579.0km az=-1.0.

(222) East of Kuril Islands

ISC	**VII**	**06 01 00 09.1–.08**	**45.33N–.02**	**151.16E–.02**	**23**	**5.5b,5.5s**	**1747**	**2-154**	
NIED	VII	06 01 00 00	45.30N	151.50E	17	5.7W,5.5s			**¶12951080**
BGS	VII	06 01 00 04.3–1.4	45.13N	152.78E	10–0	5.7b,5.4s			
JMA	VII	06 01 00 06.1–.70	45.34N	151.53E	30	5.7,5.4s			
ISCJB	VII	06 01 00 06.8–.08	45.23N–.02	151.22E–.01	22	5.5b,5.5s			
BJI	VII	06 01 00 07.0	45.33N	150.95E	18	5.6s,5.6b			
SKHL	VII	06 01 00 07.5–1.8	45.15N	151.50E	46–15	6.3s,6.1b			
NEIC	VII	06 01 00 08.8–.11	45.35N	151.04E	22	5.7W,5.6W			
DJA	VII	06 01 00 08	45.33N	151.41E	23	5.9W,5.6W			
MOS	VII	06 01 00 09.3–.97	45.36N	151.10E	36	5.8b,5.5s			
IDC	VII	06 01 00 11.6–.38	45.41N	151.04E	43–3	5.4,5.4s			
GCMT	VII	06 01 00 13.9–.10	45.29N	151.39E	22–0	5.7W,5.4s			
SZGRF	VII	06 01 00 19.9	46.54N	150.28E	33	6.0b,5.9s			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ49.00000°,λ72.00000°. NP2:ϕ_s234.00000°,δ45.00000°,λ110.00000°. $M_0$3.95000×10^{17}
BGS Error ellipse: s-maj=184.8km s-min=587.1km az=-1.0.
JMA Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.3km az=163.7.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.2km az=164.0. Moment Tensor Solution. s88 Moment tensor: Scale 10^{17}Nm; M_{rr}1.91 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-1.64 $M_{r\theta}$1.50 $M_{\theta\phi}$-0.05 $M_{\phi r}$1.94 Best double couple: NP1:ϕ_s29.00000°,δ73.00000°,λ102.00000°. NP2:ϕ_s172.00000°,δ21.00000°,λ55.00000°. Principal axes: T 3.2900,Plg60.0000°,Azm316.0000°; N -0.5900,Plg11.0000°,Azm205.0000°; P -2.7000,Plg26.0000°,Azm109.0000° $M_0$3.00000×10^{17}
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=100.9. Felt (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
IDC Error ellipse: s-maj=12.8km s-min=10.0km az=130.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=227, per= 50. Moment Tensor Solution. s95,c188; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}3.70±.06 $M_{\theta\theta}$-1.71±.04; $M_{\phi\phi}$-2.00±.04; $M_{r\theta}$1.23±.08; $M_{\theta\phi}$-2.37±.03; $M_{\phi r}$2.32±.08; Best double couple: NP1:ϕ_s234.00000°,δ30.00000°,λ107.00000°. NP2:ϕ_s34.00000°,δ62.00000°,λ80.00000°. Principal axes: T 4.5500,Plg71.0000°,Azm282.0000°; N 0.4200,Plg8.0000°,Azm39.0000°; P -4.9800,Plg16.0000°,Azm131.0000° $M_0$4.80000×10^{17}
SZGRF Kuril Islands, Russia.

(171) South of Fiji Islands

ISC	**VII**	**06 04 30 25.9–.14**	**25.53S–.04**	**176.26W–.03**	**39**	**5.5b,5.2s**	**739**	**4-177**	
IDC	VII	06 04 30 19.4–.46	25.46S	176.24W	0	5.7L,5.2			**¶13388307**
GCMT	VII	06 04 30 23.7–.10	25.58S	175.88W	20–0	5.3W,5.2			
SZGRF	VII	06 04 30 24.7	25.48S	176.92W	40	5.5b,5.2			
MOS	VII	06 04 30 24.9–2.9	25.40S	176.25W	33	5.5b,5.2s			
ISCJB	VII	06 04 30 24.1–.13	25.53S–.04	176.29W–.03	37	5.5b,5.2s			
NEIC	VII	06 04 30 26.9–.11	25.46S	176.35W	49	5.5b,5.3s			
BJI	VII	06 04 30 26.3	25.17S	175.94W	53	5.5b,5.4b			
BGS	VII	06 04 30 26.9–5.0	25.46S	176.35W	49–0	5.5b,5.4b			
DJA	VII	06 04 30 42	25.86S	176.70W	166	5.3b,5.4b			

ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=11.7km az=160.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s70,c105; s99,c169; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s260.00000°,δ56.00000°,λ-150.00000°. NP2:ϕ_s152.00000°,δ66.00000°,λ-38.00000°. Principal axes: T 1.1600,Plg6.0000°,Azm208.0000°; N 0.1200,Plg46.0000°,Azm304.0000°; P -1.2800,Plg43.0000°,Azm112.0000° $M_0$1.20000×10^{17}
SZGRF South of Fiji Islands.
MOS Error ellipse: s-maj=10.4km s-min=7.4km az=59.9.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=152.7.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.2km az=146.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(221) Kuril Islands

ISC	**VII**	**06 09 08 24.7–.08**	**45.29N–.02**	**151.11E–.01**	**45**	**5.8b,5.5s**	**2013**	**2-155**	
NIED	VII	06 09 08 00	45.40N	151.30E	14	5.7W,5.5s			**¶12951070**
BJI	VII	06 09 08 18.5	45.35N	150.94E	10	6.0b,5.9b			
SKHL	VII	06 09 08 19.5–2.6	44.97N	151.54E	55–24	6.5b,6.3s			
JMA	VII	06 09 08 20.5–.50	45.40N	151.29E	30	6.1,6.3s			
BGS	VII	06 09 08 21.5–1.1	45.63N	151.34E	10–0	6.1b,5.4s			
NEIC	VII	06 09 08 21.3–.11	45.39N	150.97E	17	5.8b,5.7W			
SZGRF	VII	06 09 08 21.9	45.16N	151.25E	33	6.4b,6.0s			
ISCJB	VII	06 09 08 22.6–.08	45.22N–.02	151.16E–.01	43	5.8b,5.5s			
MOS	VII	06 09 08 22.7–1.0	45.38N	151.02E	40	6.0b,5.6s			
IDC	VII	06 09 08 24.5–.41	45.44N	151.06E	41–3	5.6,5.6s			
GCMT	VII	06 09 08 26.9–.10	45.28N	151.26E	24–0	5.7W,5.6s			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ58.00000°,λ73.00000°. NP2:ϕ_s241.00000°,δ36.00000°,λ115.00000°. $M_0$4.09000×10^{17}
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
BGS Error ellipse: s-maj=125.4km s-min=330.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.1km az=162.0. Recorded [1 JMA] in southeastern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s35.00000°,δ70.00000°,λ80.00000°. NP2: ϕ_s242.00000°,δ22.00000°,λ116.00000°. Principal axes: T Plg64.0000°,Azm289.0000°; N Plg0.0000°,Azm0.0000°; P Plg24.0000°,Azm133.0000°
SZGRF Kuril Islands, Russia.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.3km az=163.7.
MOS Error ellipse: s-maj=6.0km s-min=3.9km az=99.6.
IDC Error ellipse: s-maj=13.4km s-min=10.0km az=126.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=227, per= 50. Moment Tensor Solution. s93,c188; s16,c17; Moment tensor: Scale 10^{17}Nm; M_{rr}3.63±.07 $M_{\theta\theta}$-1.90±.05; $M_{\phi\phi}$-1.73±.05; $M_{r\theta}$1.36±.08; $M_{\theta\phi}$-2.34±.04; $M_{\phi r}$2.62±.09; Best double couple: NP1:ϕ_s240.00000°,δ28.00000°,λ113.00000°. NP2:ϕ_s34.00000°,δ64.00000°,λ78.00000°. Principal axes: T 4.7200,Plg69.0000°,Azm281.0000°; N 0.3500,Plg11.0000°,Azm39.0000°; P -5.0700,Plg18.0000°,Azm133.0000° $M_0$4.90000×10^{17}

(222) East of Kuril Islands

ISC	**VII**	**06 09 50 51.7–.23**	**45.19N–.04**	**151.08E–.04**	**46**	**4.8b,4.5s**	**464**	**2-150**	
NIED	VII	06 09 50 00	45.30N	151.40E	23	4.7W,4.5s			**¶13388325**
SKHL	VII	06 09 50 44.0–1.3	44.78N	151.76E	69–30	5.9s,5.2b			
BJI	VII	06 09 50 46.0	45.41N	151.20E	18	5.2b,4.7s			
NEIC	VII	06 09 50 47.2–.23	45.29N	151.01E	10	4.9b,4.7s			
JMA	VII	06 09 50 47.1–.80	45.34N	151.39E	30	5.0,4.7s			
MOS	VII	06 09 50 49.6–.97	45.34N	151.07E	36	5.0b,4.1s			
ISCJB	VII	06 09 50 49.6–.23	45.11N–.04	151.09E–.04	44	4.8b,4.5s			
IDC	VII	06 09 50 52.0–.45	45.38N	151.01E	45–4	4.3,4.2			
SZGRF	VII	06 09 51 05.2	47.58N	150.34E	33	5.1b,4.2			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ50.00000°,λ90.00000°. NP2:ϕ_s222.00000°,δ40.00000°,λ91.00000°. $M_0$1.13000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.7km az=156.0.

JMA Error ellipse: s-maj=5.6km s-min=7.0km az=-1.0.
MOS Error ellipse: s-maj=7.8km s-min=4.6km az=102.4.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=2.4km az=149.5.
IDC Error ellipse: s-maj=14.6km s-min=10.1km az=146.0.
SZGRF Kuril Islands, Russia.

(248) Philippine Islands region

ISC	**VII**	**06 12 01 32.5–.11**	**15.40N–.01**	**122.43E–.02**	**28**	**5.3b,5.0s**	**706**	**1-170**
IDC	VII	06 12 01 27.3–.36	15.31N	122.52E	0	5.2L,5.0b		¶13388333
MAN	VII	06 12 01 29	15.40N	122.38E	1	5.8b,5.4s		
ISCJB	VII	06 12 01 30.7–.11	15.41N–.01	122.45E–.02	26	5.3b,5.0s		
BJI	VII	06 12 01 30.0	15.37N	122.49E	23	5.3s,5.2b		
SZGRF	VII	06 12 01 31.3	15.54N	123.05E	28	5.3b,5.3s		
MOS	VII	06 12 01 31.4–1.1	15.38N	122.46E	33	5.5b,5.0s		
NEIC	VII	06 12 01 31.7–.13	15.29N	122.42E	26	5.4b,5.0s		
GCMT	VII	06 12 01 32.4–.10	15.38N	122.47E	17–0	5.4W,5.0s		
DJA	VII	06 12 01 43	15.32N	122.49E	140	5.4W,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=12.4km s-min=9.1km az=80.0.
MAN Event type fe. INTENSITY IV - BALER AURORA; DAET CAMARINES; LABO CAMARINES NORTE; GABALDON NUEVA ECIJA; PLARIDEL BULACAN; POLILIO ISLAND; MANILA; INTENSITY III - QUEZON CITY; MAKATI CITY; TAGUIG CITY; PARANAQUE; PASIG CITY; INFANTA QUEZON; TARLAC CITY; DINGALAN AURORA.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=175.0.
SZGRF Philippine Islands region.
MOS Error ellipse: s-maj=7.5km s-min=4.6km az=116.1.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.5km az=85.0. Felt [IV PIVS] at Baler, Daet, Gabaldon, Labo, Manila and Plaridel; [III PIVS] at Infanta, Makati, Paranaque, Pasay, Pasig, Quezon City, Taguig and Tarlac; [II PIVS] at Angeles, Baguio, Cabanatuan, Cainta, Clark Field, Guinayangan, Munoz, Rodriguez, San Jose del Monte and Talavera; [I PIVS] at Gapan, Luzon.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves from 100 sta. Moment Tensor Solution. s62,c90; s99,c191; Moment tensor: Scale 10^{17}Nm; M_{rr}0.73±.03 $M_{\theta\theta}$0.61±.02; $M_{\phi\phi}$-1.33±.03; $M_{r\theta}$-0.48±.06; $M_{\theta\phi}$0.56±.02; $M_{\phi r}$0.93±.07; Best double couple: NP1: ϕ_S197.00000°,δ31.00000°,λ138.00000°. NP2:ϕ_S325.00000°,δ70.00000°,λ66.00000°. Principal axes: T 1.2200,Plg58.0000°,Azm203.0000°; N 0.6600,Plg22.0000°,Azm334.0000° ; P -1.8800,Plg21.0000°,Azm73.0000° $M_0$1.60000×10^{17}

(248) Philippine Islands region

ISC	**VII**	**06 12 46 56.9–.16**	**15.38N–.02**	**122.49E–.03**	**28**	**5.0b,4.0s**	**400**	**1-170**
IDC	VII	06 12 46 51.7–.41	15.26N	122.54E	0	4.8,4.8		¶13388335
ISCJB	VII	06 12 46 54.8–.17	15.36N–.02	122.52E–.03	27	5.0b,4.0s		
BJI	VII	06 12 46 54.8	15.25N	122.48E	29	4.9b,4.6b		
NEIC	VII	06 12 46 56.0–.15	15.25N	122.49E	27	5.1b,4.6b		
MAN	VII	06 12 46 56	15.41N	122.39E	15	5.7b,5.2s		
SZGRF	VII	06 12 46 56.1	15.41N	123.09E	33	5.0b,5.2s		
GCMT	VII	06 12 46 56.5–.40	15.41N	122.67E	31–1	5.0W,5.2s		
MOS	VII	06 12 46 56.9–.84	15.56N	122.46E	33	5.3b,5.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.0km s-min=9.8km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=168.5.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=79.0. Felt [III PIVS] at Labo and [I PIVS] at Dingalan and Quezon City, Luzon. Felt [III] at Manila. Also felt at Angeles, Antipolo, Cabanatuan, Cainta and San Pedro.
MAN Event type fe. INTENSITY III - CAMARINES NORTE; GABALDON NUEVA ECIJA; INTENSITY II - DINGALAN AURORA; INTENSITY I - QUEZON CITY.
SZGRF Philippine Islands region.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s25,c29; s57,c74; Moment tensor: Scale 10^{16}Nm; M_{rr}3.95±.31 $M_{\theta\theta}$-0.49±.17; $M_{\phi\phi}$-3.46±.18; $M_{r\theta}$0.09±.22; $M_{\theta\phi}$0.39±.09; $M_{\phi r}$1.66±.18; Best double couple: NP1:ϕ_S169.00000°,δ33.00000°,λ84.00000°. NP2:ϕ_S356.00000°,δ57.00000°,λ94.00000°. Principal axes: T 4.3100,Plg78.0000° ,Azm280.0000°; N -0.4500,Plg3.0000°,Azm174.0000°; P -3.8600,Plg12.0000°,Azm84.0000° $M_0$4.10000×10^{16}
MOS Error ellipse: s-maj=9.7km s-min=5.5km az=121.6.

(221) Kuril Islands

ISC	**VII**	**06 15 00 31.0–1.1**	**45.19N–.04**	**151.18E–.05**	**34–7**	**4.6b,3.9s**	**265**	**2-150**
NIED	VII	06 15 00 00	45.40N	151.50E	32	4.4W,3.9s		¶11086388
JMA	VII	06 15 00 26.5–.60	45.37N	151.55E	30	4.8,3.9s		
IDC	VII	06 15 00 26.6–.59	45.34N	150.90E	0	4.3,4.3		
ISCJB	VII	06 15 00 27.9–1.1	45.12N–.05	151.16E–.06	25–7	4.6b,3.9s		
MOS	VII	06 15 00 28.7–.96	45.24N	151.09E	27	4.9b,3.9s		
SKHL	VII	06 15 00 29.2–1.8	45.10N	151.28E	34–3	5.9b,5.0s		
BJI	VII	06 15 00 30.6	45.32N	151.16E	45	4.7b,4.5b		
NEIC	VII	06 15 00 31.5–1.7	45.29N	150.94E	32–11	4.8b,4.0s		
SZGRF	VII	06 15 00 33.4	45.25N	150.40E	33	4.8b,4.0s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S31.00000°,δ50.00000°,λ92.00000°. NP2:ϕ_S207.00000°,δ40.00000°,λ87.00000°. $M_0$4.45000×10^{15}
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=16.8km s-min=13.8km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=3.9km az=142.8.
MOS Error ellipse: s-maj=9.2km s-min=5.7km az=108.2.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.8km az=136.0.
SZGRF Kuril Islands, Russia.

(222) East of Kuril Islands

ISC	**VII**	**07 20 56 28.2–.81**	**45.05N–.06**	**151.23E–.07**	**50–6**	**4.5b,3.9s**	**246**	**2-88**
NIED	VII	07 20 56 00	45.40N	151.60E	23	4.3W,3.9s		¶11103538
IDC	VII	07 20 56 21.3–.94	45.35N	151.37E	0	4.2b,4.2		
JMA	VII	07 20 56 22.1–.70	45.43N	151.62E	30	4.9,4.2		
BJI	VII	07 20 56 23.6	45.21N	151.50E	35	4.7b,4.6b		
ISCJB	VII	07 20 56 26.6–.96	45.05N–.06	151.15E–.07	48–7	4.5b,3.9s		
NEIC	VII	07 20 56 28.8–1.2	45.31N	151.19E	46–9	4.6b,3.9s		
SKHL	VII	07 20 56 31.9–2.7	44.91N	150.97E	143–40	6.0s,4.8b		
MOS	VII	07 20 56 33.2–.94	45.10N	150.59E	91	4.4b,4.8b		
SZGRF	VII	07 20 56 35.7	46.51N	150.40E	33	4.4b,4.8b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S44.00000°,δ49.00000°,λ107.00000°. NP2:ϕ_S199.00000°,δ44.00000°,λ72.00000°. $M_0$3.26000×10^{15}
IDC Error ellipse: s-maj=23.9km s-min=19.3km az=100.0.
JMA Error ellipse: s-maj=7.8km s-min=7.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.1km az=141.7.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.7km az=141.0.
MOS Error ellipse: s-maj=11.7km s-min=7.0km az=118.9.
SZGRF Kuril Islands, Russia.

(248) Philippine Islands region

ISC	**VII**	**08 01 41 55.7–.17**	**15.40N–.02**	**122.45E–.03**	**31**	**4.9b,4.5s**	**322**	**1-169**
BJI	VII	08 01 41 51.6	15.22N	122.48E	21	4.9s,4.8b		¶13388457
MAN	VII	08 01 41 52	15.43N	122.41E	3	5.8b,5.4s		
NEIC	VII	08 01 41 53.3–2.0	15.33N	122.49E	18–12	4.9b,5.4s		
MOS	VII	08 01 41 53.8–1.1	15.28N	122.49E	33	5.2b,4.7s		
ISCJB	VII	08 01 41 53.7–.18	15.40N–.02	122.48E–.03	29	4.9b,4.5s		
IDC	VII	08 01 41 55.4–.60	15.31N	122.49E	33–4	4.6,4.5		
TEH	VII	08 01 41 56.0	15.38N	122.50E	35	4.6,4.5		
GCMT	VII	08 01 41 56.1–.20	15.39N	122.45E	18–1	5.1W,4.5		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - BALER AURORA; QUEZON CITY; MANILA CITY; GABALDON.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.5km az=83.0. Felt [IV PIVS] at Baler, Gabaldon, Manila and Quezon City; [III PIVS] at Baguio, Dingalan, La Trinidad, Makati, Pasig and Taguig; [II PIVS] at Carmona and Lucban, Luzon.
MOS Error ellipse: s-maj=10.8km s-min=5.5km az=120.1.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.9km az=175.1.
IDC Error ellipse: s-maj=13.6km s-min=9.8km az=86.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s44,c52; s90,c156; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.38±.14 $M_{\theta\theta}$3.09±.12; $M_{\phi\phi}$-2.71±.12; $M_{r\theta}$-1.45±.28; $M_{\theta\phi}$3.48±.09; $M_{\phi r}$4.10±.43; Best double couple: NP1:ϕ_S104.00000°,δ61.00000°,λ-19.00000°. NP2:ϕ_S203.00000°,δ73.00000°,λ-150.00000°. Principal axes: T 4.7800,Plg8.0000° ,Azm331.0000°; N 2.3500,Plg56.0000°,Azm229.0000°; P -7.1200,Plg33.0000°,Azm66.0000° $M_0$6.00000×10^{16}

(238) Ryukyu Islands

ISC	**VII**	**08 07 42 11.9–.06**	**27.56N–.01**	**128.37E–.01**	**50**	**6.0b,5.6s**	**1840**	**1-175**
NIED	VII	08 07 42 00	27.50N	128.50E	53	6.0W,5.6s		¶13388476
BJI	VII	08 07 42 04.0	27.18N	128.95E	43	5.9b,5.7s		
MOS	VII	08 07 42 08.0–1.0	27.57N	128.43E	33	6.2b,5.9s		
JMA	VII	08 07 42 10.5–.10	27.47N	128.55E	45–2	6.1,5.9s		
ISCJB	VII	08 07 42 10.3–.06	27.55N–.01	128.34E–.01	48	6.0b,5.6s		
IDC	VII	08 07 42 10.9–.41	27.55N	128.37E	46–3	5.6b,5.5		
NEIC	VII	08 07 42 10.7–.10	27.53N	128.33E	43	6.0b,6.0W		
SZGRF	VII	08 07 42 11.5	27.53N	128.88E	58	6.4b,6.3s		
TEH	VII	08 07 42 12.0	27.52N	128.39E	49	6.4b,6.3s		
DJA	VII	08 07 42 12	27.72N	128.58E	68	6.4W,6.3s		
GCMT	VII	08 07 42 13.5–.10	27.31N	128.65E	51–0	6.0W,6.3s		
BGS	VII	08 07 42 14.7–1.4	28.24N	127.17E	40–0	5.8s,5.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S41.00000°,δ80.00000°,λ85.00000°. NP2:ϕ_S248.00000°,δ11.00000°,λ116.00000°. $M_0$1.05000×10^{18}
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=113.2.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=139.6.
IDC Error ellipse: s-maj=11.5km s-min=9.5km az=86.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=162.0. Felt [V] at Ishikawa; [IV] at Chatan, Ginowan, Gushikawa and Okinawa; [III] at Nago, Naha and Yomitan. Also felt at Itoman, Nishihara and Urasoe. Recorded [5L JMA] on Yoron-jima; [4 JMA] on Okinawa and Okino-erabu-shima; [3 JMA] on Tokuno-shima; [2 JMA] on Amami-oshima and Kikaiga-shima; [1 JMA] on Kume-jima and Nakano-shima. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s94 Moment tensor: Scale 10^{18}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.47 $M_{\theta\phi}$-0.63 $M_{\phi r}$0.51 Best double couple: NP1:ϕ_S43.00000°,δ61.00000°,λ89.00000°. NP2: ϕ_S224.00000°,δ29.00000°,λ91.00000°. Principal axes: T 1.2600,Plg73.0000°,Azm311.0000° ; N 0.1000,Plg0.0000°,Azm43.0000°; P -1.3600,Plg16.0000°,Azm133.0000° $M_0$1.30000×10^{18} Moment Tensor Solution. $M_0$1.10000×10^{18}
SZGRF Ryukyu Islands, Japan.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=122, comp=266, per= 50. Moment Tensor Solution. s114,c256; s78,c114; Moment tensor: Scale 10^{18}Nm; M_{rr}1.05±.01 $M_{\theta\theta}$-0.40±.01; $M_{\phi\phi}$-0.65±.01; $M_{r\theta}$0.32±.01; $M_{\theta\phi}$-0.56±.01; $M_{\phi r}$0.33±.01; Best double couple: NP1:ϕ_S216.00000°,δ34.00000°,λ86.00000°. NP2:ϕ_S41.00000°,δ57.00000°,λ92.00000°. Principal axes: T 1.1500,Plg78.0000°,Azm319.0000°; N 0.0500,Plg2.0000°,Azm219.0000° ; P -1.1900,Plg12.0000°,Azm129.0000° $M_0$1.20000×10^{18}
BGS Error ellipse: s-maj=226.3km s-min=439.5km az=-1.0.

(716) Kyrgyzstan

ISC	**VII**	**08 16 08 33.7–.63**	**39.51N–.02**	**73.14E–.02**	**33–4**	**5.1b,4.7s**	**996**	**2-152**
BGS	VII	08 16 08 08.2–2.0	37.07N	76.22E	40–0	5.1s,4.9b		¶13388502
LDG	VII	08 16 08 26.8–.14	39.37N	73.18E	10–0	5.3b,4.4s		
ISCJB	VII	08 16 08 29.8–.66	39.46N–.02	73.11E–.02	18–4	5.1b,4.7s		
MOS	VII	08 16 08 30.5–1.1	39.47N	73.13E	25	5.4b,4.7s		
IDC	VII	08 16 08 31.6–2.6	39.50N	73.16E	20–16	4.9,4.9b		
BJI	VII	08 16 08 31.7	39.58N	73.27E	33	5.1b,5.0b		
GCMT	VII	08 16 08 31.3–.20	39.47N	72.89E	12	5.0W,5.0b		
NNC	VII	08 16 08 31.4–3.1	39.62N	72.93E	14–15	5.6b,5.5		
SZGRF	VII	08 16 08 31.8	39.49N	73.36E	33	5.1b,4.6s		
NEIC	VII	08 16 08 35.3–.57	39.52N	73.18E	49–5	5.2b,4.7s		
DJA	VII	08 16 08 38	39.42N	72.98E	54	5.4b,4.7s		

ISC Event type ke.
BGS Error ellipse: s-maj=990.3km s-min=999.9km az=-1.0.
LDG Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=25.9.
MOS Error ellipse: s-maj=5.3km s-min=3.2km az=131.4.
IDC Error ellipse: s-maj=8.3km s-min=7.3km az=140.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c40; s86,c152; Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.08 $M_{\theta\theta}$-2.53±.08; $M_{\phi\phi}$-0.90±.07; $M_{r\theta}$1.82±.30; $M_{\theta\phi}$-2.00±.06; $M_{\phi r}$-0.52±.28; Best double couple: NP1:ϕ_S216.00000°,δ39.00000°,λ57.00000°. NP2:ϕ_S76.00000°,δ58.00000°,λ114.00000°. Principal axes: T 4.1700,Plg67.0000° ,Azm35.0000°; N -0.0900,Plg20.0000°,Azm243.0000°; P -4.0900,Plg10.0000° ,Azm149.0000° $M_0$4.10000×10^{16}
NNC Error ellipse: s-maj=29.4km s-min=13.6km az=21.0.
SZGRF Tajikistan-Xinjiang border region.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.8km az=178.0.

(188) Loyalty Islands

ISC	**VII**	**09 08 24 17.5–.10**	**20.94S–.03**	**168.72E–.02**	**44**	**5.5b,4.9s**	**591**	**2-165**
NOU	VII	09 08 24 11.4–1.3	20.21S	168.45E	10–0	4.6L,3.4s		¶11108419
LDG	VII	09 08 24 12.7–.18	20.67S	168.55E	10–0	5.9b,4.8s		
BJI	VII	09 08 24 14.8	20.48S	168.70E	17	5.7b,5.5b		
MOS	VII	09 08 24 15.3–1.4	20.81S	168.73E	33	5.8b,4.9s		
ISCJB	VII	09 08 24 15.8–.09	20.93S–.03	168.67E–.02	42	5.5b,4.9s		
NEIC	VII	09 08 24 16.8–.92	20.92S	168.77E	39–8	5.6b,4.9s		
IDC	VII	09 08 24 17.2–.59	20.94S	168.63E	39–4	5.1,5.1b		
GCMT	VII	09 08 24 18.5–.10	20.97S	168.65E	12–0	5.4W,5.1b		
DJA	VII	09 08 24 18	20.95S	168.83E	50	6.0W,5.1b		
SZGRF	VII	09 08 24 19.4	19.83S	170.82E	44	5.0b,5.1b		

ISC Event type ke.
NOU Error ellipse: s-maj=22.1km s-min=26.9km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=17.9km s-min=4.0km az=135.0.
MOS Error ellipse: s-maj=9.4km s-min=7.7km az=124.2.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.2km az=151.4.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.8km az=164.0.
IDC Error ellipse: s-maj=14.7km s-min=11.4km az=148.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=191, per= 50. Moment Tensor Solution. s85,c141; s27,c27; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.29±.02 $M_{\theta\theta}$0.04±.02; $M_{\phi\phi}$1.26±.02; $M_{r\theta}$-0.32±.05; $M_{\theta\phi}$-0.91±.02; $M_{\phi r}$-0.12±.05; Best double couple: NP1:ϕ_S350.00000°,δ47.00000°,λ-63.00000°. NP2:ϕ_S134.00000°,δ49.00000°,λ-116.00000°. Principal axes: T 1.7500,Plg1.0000°,Azm242.0000°; N -0.3300,Plg19.0000°,Azm151.0000° ; P -1.4100,Plg71.0000°,Azm334.0000° $M_0$1.60000×10^{17}
SZGRF Vanuatu Islands.

(122) Near coast of northern Chile

ISC	**VII**	**09 19 58 40.7–.50**	**23.05S–.03**	**70.10W–.06**	**46–5**	**4.5b,3.8s**	**73**	**0-176**
ISCJB	VII	09 19 58 39.0–.55	23.01S–.04	70.03W–.06	47–5	4.5b,3.8s		¶11108438
NEIC	VII	09 19 58 40.3–.71	23.07S	70.11W	44–7	4.6b,3.8s		
GUC	VII	09 19 58 40.8–.67	22.95S	70.10W	35–14	4.8L,3.8s		
IDC	VII	09 19 58 40.4–.55	23.01S	70.08W	42–4	4.4L,4.3		
BJI	VII	09 19 58 42.3	23.10S	70.10W	44	5.6s,5.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.8km az=11.1.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=6.5km az=81.0. Felt [III] at Mejillones and Tocopilla; [II] at Maria Elena.
GUC Error ellipse: s-maj=3.5km s-min=30.1km az=-1.0.
IDC Error ellipse: s-maj=18.9km s-min=13.8km az=60.0.

(186) Vanuatu Islands

ISC	**VII**	**10 16 01 04.9–.12**	**20.09S–.03**	**169.19E–.03**	**48**	**5.3b,4.3s**	**394**	**3-156**
LDG	VII	10 16 01 00.0–.17	19.57S	169.07E	10–0	5.5b,4.1s		¶11652714
NOU	VII	10 16 01 02.6–.83	19.71S	169.06E	10–0	3.7L,3.5		
ISCJB	VII	10 16 01 03.2–.12	20.05S–.03	169.13E–.03	46	5.3b,4.3s		
SZGRF	VII	10 16 01 04.1	19.72S	171.10E	43	5.3b,4.3s		
IDC	VII	10 16 01 04.7–.60	20.05S	169.16E	48–4	4.9,4.9		
MOS	VII	10 16 01 06.7–2.7	18.93S	168.81E	33	5.4b,4.4s		
BJI	VII	10 16 01 06.0	19.69S	169.47E	68	5.0b,5.0b		
NEIC	VII	10 16 01 06.5–1.6	20.08S	169.21E	70–14	5.2b,5.0b		
GCMT	VII	10 16 01 08.4–.20	20.04S	169.02E	54–0	5.1W,5.0b		
DJA	VII	10 16 01 27	20.38S	168.32E	210	5.1b,5.0b		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=17.2km s-min=5.1km az=123.0.
NOU Error ellipse: s-maj=19.8km s-min=22.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.4km az=147.7.
SZGRF Vanuatu Islands region.
IDC Error ellipse: s-maj=16.5km s-min=12.5km az=144.0.
MOS Error ellipse: s-maj=11.3km s-min=8.8km az=133.6.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.6km az=170.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s61,c85; s73,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}5.53±.16 $M_{\theta\theta}$-0.78±.13; $M_{\phi\phi}$-4.75±.13; $M_{r\theta}$-0.38±.11; $M_{\theta\phi}$2.85±.10; $M_{\phi r}$1.37±.10; Best double couple: NP1:ϕ_S149.00000°,δ38.00000°,λ85.00000°. NP2:ϕ_S336.00000°,δ52.00000°,λ94.00000°. Principal axes: T 5.7100,Plg83.0000° ,Azm269.0000°; N 0.6900,Plg3.0000°,Azm153.0000°; P -6.4000,Plg7.0000°,Azm63.0000° $M_0$6.10000×10^{16}

(259) Mindanao

ISC	**VII**	**10 17 32 28.2–.56**	**6.47N–.02**	**124.67E–.02**	**29–4**	**5.3b,4.5s**	**473**	**0-164**

MAN VII 10 17 32 21 6.31N 124.51E 1 5.7b,5.2s ¶13388687
ISCJB VII 10 17 32 25.7–.51 6.44N–.02 124.65E–.02 24–3 5.3b,4.5s
IDC VII 10 17 32 25.4–2.4 6.51N 124.53E 11–14 4.9,4.9b
GCMT VII 10 17 32 26.5–.20 6.48N 124.66E 12 5.1W,4.9b
MOS VII 10 17 32 27.1–1.1 6.55N 124.59E 33 5.6b,4.6s
BJI VII 10 17 32 28.2 6.48N 124.64E 41 5.3b,5.2b
TEH VII 10 17 32 28.0 6.50N 124.61E 28 5.3b,5.2b
NEIC VII 10 17 32 29.2–.72 6.50N 124.63E 40–6 5.2b,4.7s
DJA VII 10 17 32 36 5.96N 124.52E 47 5.6W,4.7s
ISC Event type fe.
MAN Event type fe. INTENSITY IV - BANGA SOUTH COTABATO; INTENSITY III - PALIMBANG SULTAN KUDARAT; INTENSITY II - COTABATO GENERAL SANTOS CITY.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=0.2.
IDC Error ellipse: s-maj=13.1km s-min=10.2km az=82.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s54,c73; s86,c148; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.54±.12 $M_{\theta\theta}$3.88±.09; $M_{\phi\phi}$-1.33±.13; $M_{r\theta}$0.81±.27; $M_{\theta\phi}$-4.16±.08; $M_{\phi r}$-1.72±.32; Best double couple: NP1:ϕ_s77.00000°,δ59.00000°,λ-161.00000°. NP2:ϕ_s337.00000°,δ74.00000°,λ-33.00000°. Principal axes: T 6.4500,Plg10.0000° ,Azm30.0000°; N -2.0500,Plg54.0000°,Azm134.0000°; P -4.3900,Plg34.0000° ,Azm293.0000° $M_0$5.40000×10^{16}
MOS Error ellipse: s-maj=10.5km s-min=5.3km az=114.2.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.1km az=70.0. Felt [IV PIVS] at Banga and Isulan; [III PIVS] at Palimbang; [II PIVS] at Cotabato and General Santos.

(282) South of Jawa

ISC VII 11 06 51 41.7–.42 9.54S–.03 107.62E–.03 40–3 5.5b,4.8s 434 2-178
IDC VII 11 06 51 35.5–.37 9.50S 107.71E 0 5.4,5.4 ¶11109047
BJI VII 11 06 51 36.2 9.50S 107.60E 15 5.4b,5.2b
NEIC VII 11 06 51 38.2–2.4 9.52S 107.62E 16–14 5.5b,4.8s
MOS VII 11 06 51 39.6–1.2 9.47S 107.59E 33 5.7b,4.7s
ISCJB VII 11 06 51 40.4–.45 9.49S–.03 107.64E–.03 45–3 5.5b,4.8s
DJA VII 11 06 51 40 9.57S 107.51E 20 5.7W,4.8s
GCMT VII 11 06 51 41.7–.20 9.76S 107.53E 18–0 5.3W,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=11.3km az=64.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.2km az=54.0.
MOS Error ellipse: s-maj=10.1km s-min=5.6km az=113.5.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.9km az=36.3.
GCMT Event type se. Data Used: IU II IC G CN. Surface waves: sta= 84, comp=157, per= 50. Moment Tensor Solution. s76,c121; s28,c29; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s123.00000° ,δ33.00000°,λ-78.00000°. NP2:ϕ_s289.00000°,δ58.00000°,λ-98.00000°. Principal axes: T 1.3200,Plg13.0000°,Azm24.0000°; N -0.2600,Plg6.0000°,Azm293.0000° ; P -1.0500,Plg76.0000°,Azm176.0000° $M_0$1.20000×10^{17}

(243) Taiwan region

ISC VII 11 21 35 07.3–.40 21.10N–.01 121.12E–.02 7–2 5.2b,5.2s 736 1-175
NIED VII 11 21 35 00 21.00N 121.30E 14 5.4W,5.2s ¶13388769
IDC VII 11 21 35 05.0–.38 21.02N 121.16E 0 4.9s,4.9
JMA VII 11 21 35 05.4–.50 21.01N 121.28E 0 5.4,4.9
ISCJB VII 11 21 35 05.8–.42 21.07N–.01 121.14E–.02 9–2 5.2b,5.2s
NEIC VII 11 21 35 06.5–.16 21.02N 121.13E 6 5.5W,5.3b
TAP VII 11 21 35 06.2 20.99N 121.20E 70–0 5.5L,5.3b
BJI VII 11 21 35 07.7 21.29N 120.90E 10 5.5s,5.4b
MOS VII 11 21 35 09.1–1.2 21.03N 121.15E 33 5.5b,5.2s
GCMT VII 11 21 35 10.2–.10 21.06N 121.04E 18–0 5.5W,5.2s
SZGRF VII 11 21 35 13.5 22.51N 122.70E 33 5.6s,5.2b
DJA VII 11 21 35 13 21.05N 121.11E 52 5.8W,5.2b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s252.00000°,δ80.00000°,λ-154.00000°. NP2:ϕ_s157.00000°,δ64.00000°,λ-11.00000°. $M_0$1.39000×10^{17}
IDC Error ellipse: s-maj=14.0km s-min=10.2km az=64.0.
JMA Error ellipse: s-maj=5.6km s-min=7.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=1.7km az=6.4.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.2km az=79.0. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$1.03 $M_{r\theta}$-1.47 $M_{\theta\phi}$-0.30 $M_{\phi r}$-0.58 Best double couple: NP1:ϕ_s47.00000°,δ88.00000°,λ-57.00000°. NP2:ϕ_s140.00000° ,δ33.00000°,λ-177.00000°. Principal axes: T 1.3500,Plg34.0000°,Azm108.0000° ; N 0.8000,Plg33.0000°,Azm225.0000°; P -2.1400,Plg37.0000°,Azm346.0000° $M_0$1.90000×10^{17}
TAP C.
MOS Error ellipse: s-maj=7.5km s-min=4.3km az=114.4.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 102 sta. Moment Tensor Solution. s84,c157; s99,c207; Moment tensor: Scale 10^{17}Nm; M_{rr}0.62±.03 $M_{\theta\theta}$0.70±.02; $M_{\phi\phi}$-1.32±.03; $M_{r\theta}$-1.03±.07; $M_{\theta\phi}$-1.56±.02; $M_{\phi r}$0.04±.06; Best double couple: NP1: ϕ_s348.00000°,δ60.00000°,λ17.00000°. NP2:ϕ_s249.00000°,δ75.00000°,λ149.00000°. Principal axes: T 2.1300,Plg32.0000°,Azm205.0000°; N 0.1100,Plg56.0000°,Azm46.0000° ; P -2.2500,Plg10.0000°,Azm301.0000° $M_0$2.20000×10^{17}
SZGRF Taiwan region.

(248) Philippine Islands region

ISC VII 13 14 58 34.4–.09 21.11N–.01 121.09E–.02 18 6.3s,5.6b 977 1-175
NIED VII 13 14 58 00 21.00N 121.10E 11 6.2W,5.6b ¶12951262
JMA VII 13 14 58 28.8–.50 20.97N 121.10E 0 6.1,5.6b
IDC VII 13 14 58 30.1–.37 20.94N 121.02E 0 6.0s,6.0
BJI VII 13 14 58 31.7 21.18N 120.98E 11 6.8L,6.6s
ISCJB VII 13 14 58 32.4–.09 21.07N–.01 121.11E–.02 17 6.3s,5.6b
DJA VII 13 14 58 33 21.12N 121.19E 11 6.4W,5.6b
TEH VII 13 14 58 33.0 21.03N 121.11E 10 6.4W,5.6b
NEIC VII 13 14 58 33.0–.16 21.01N 121.15E 14 6.8,6.3s
MOS VII 13 14 58 34.7–1.4 21.06N 121.17E 33 6.4s,5.8b
GCMT VII 13 14 58 36.9–.10 21.04N 121.05E 15–0 6.2W,5.8b
TAP VII 13 14 58 36.8 21.42N 121.19E 44–0 5.6L,5.8b
SZGRF VII 13 14 58 37.8 21.63N 121.86E 33 6.7s,5.8b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s253.00000°,δ82.00000°,λ-132.00000°. NP2:ϕ_s154.00000°,δ42.00000°,λ-12.00000°. $M_0$2.33000×10^{18}
JMA Error ellipse: s-maj=6.7km s-min=7.3km az=-1.0.
IDC Error ellipse: s-maj=13.6km s-min=9.9km az=82.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=10.5.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=4.1km az=83.0. Felt at Kao-hsiung and T'ai-nan. Felt [I PIVS] at Itbayat, Batan Islands. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s350.00000°,δ80.00000°,λ5.00000°. NP2:ϕ_s259.00000°,δ85.00000°,λ170.00000°. Principal axes: T Plg11.0000°,Azm214.0000° ; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm305.0000° Moment Tensor Solution. s83 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.44 $M_{\theta\theta}$0.19 $M_{\phi\phi}$0.25 $M_{r\theta}$0.68 $M_{\theta\phi}$-1.95 $M_{\phi r}$0.17 Best double couple: NP1:ϕ_s179.00000°,δ69.00000°,λ-10.00000°. NP2:ϕ_s273.00000° ,δ81.00000°,λ-159.00000°. Principal axes: T 2.2200,Plg7.0000°,Azm44.0000° ; N -0.2500,Plg66.0000°,Azm295.0000°; P -1.9700,Plg21.0000°,Azm137.0000° $M_0$2.10000×10^{18}
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=114.2.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=114, comp=261, per= 50. Moment Tensor Solution. s113,c263; s98,c160; Moment tensor: Scale 10^{18}Nm; M_{rr}0.29±.01 $M_{\theta\theta}$0.79±.01; $M_{\phi\phi}$-1.08±.02; $M_{r\theta}$-0.51±.03; $M_{\theta\phi}$-2.13±.01; $M_{\phi r}$0.35±.03; Best double couple: NP1:ϕ_s257.00000°,δ78.00000°,λ168.00000°. NP2:ϕ_s349.00000°,δ79.00000°,λ12.00000°. Principal axes: T 2.3600,Plg17.0000°,Azm213.0000°; N 0.1100,Plg73.0000°,Azm32.0000° ; P -2.4700,Plg0.0000°,Azm123.0000° $M_0$2.40000×10^{18}
TAP C.
SZGRF Taiwan region.

(706) Northern Sumatera

ISC VII 14 04 44 53.0–.11 2.20N–.02 96.54E–.02 34 5.5b,5.4s 768 1-174
IDC VII 14 04 44 47.4–.42 2.25N 96.44E 0 5.2,5.2s ¶11121237
ISCJB VII 14 04 44 50.9–.12 2.20N–.02 96.55E–.02 32 5.5b,5.4s
MOS VII 14 04 44 51.6–1.1 2.31N 96.59E 33 5.7b,5.3s
NEIC VII 14 04 44 51.6–.14 2.18N 96.52E 24 5.5b,5.5s
BJI VII 14 04 44 51.2 2.04N 96.56E 51 5.8s,5.8b
SZGRF VII 14 04 44 52.5 2.36N 96.84E 36 5.4b,5.3s
DJA VII 14 04 44 53 2.13N 96.56E 28 5.7W,5.3s
GCMT VII 14 04 44 54.1–.20 1.83N 96.28E 29–0 5.6W,5.3s
TEH VII 14 04 52 00.0 2.27N 96.60E 49 5.6W,5.3s
ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=10.7km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=30.1.
MOS Error ellipse: s-maj=6.8km s-min=3.9km az=117.6.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=207.0. Felt [IV] at Sinabang. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s315.00000°,δ25.00000°,λ105.00000°. NP2:ϕ_s119.00000°,δ66.00000°,λ83.00000°. Principal axes: T Plg68.0000°,Azm15.0000°; N Plg0.0000°,Azm0.0000°; P Plg21.0000° ,Azm214.0000° Moment Tensor Solution. s81 Moment tensor: Scale 10^{17}Nm; M_{rr}1.51 $M_{\theta\theta}$-1.10 $M_{\phi\phi}$-0.41 $M_{r\theta}$1.48 $M_{\theta\phi}$1.06 $M_{\phi r}$-0.76 Best double couple: NP1:ϕ_s315.00000° ,δ23.00000°,λ105.00000°. NP2:ϕ_s119.00000°,δ67.00000°,λ84.00000°. Principal axes: T 2.2100,Plg66.0000°,Azm17.0000°; N 0.3300,Plg5.0000°,Azm121.0000° ; P -2.5400,Plg22.0000°,Azm213.0000° $M_0$2.40000×10^{17}
SZGRF Northern Sumatera, Indonesia.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c147; s94,c174; Moment tensor: Scale 10^{17}Nm; M_{rr}1.59±.05 $M_{\theta\theta}$-1.27±.03; $M_{\phi\phi}$-0.32±.04; $M_{r\theta}$1.83±.08; $M_{\theta\phi}$1.10±.03; $M_{\phi r}$-1.60±.09; Best double couple: NP1:ϕ_s293.00000°,δ19.00000°,λ74.00000°. NP2:ϕ_s130.00000°,δ72.00000°,λ95.00000°. Principal axes: T 2.8400,Plg63.0000° ,Azm49.0000°; N 0.3700,Plg5.0000°,Azm309.0000°; P -3.2100,Plg27.0000°,Azm216.0000° $M_0$3.00000×10^{17}

(188) Loyalty Islands

ISC VII 15 03 35 06.0–2.9 20.92S–.07 168.60E–.08 10–19 4.7b,3.8s 38 2-156
NOU VII 15 03 35 04.4–1.4 20.61S 168.76E 10–0 4.1L,2.6 ¶11159739
ISCJB VII 15 03 35 05.4–3.0 20.89S–.08 168.63E–.07 18–22 4.7b,3.8s
LDG VII 15 03 35 06.7–.28 20.55S 168.35E 10–0 5.5b,3.8s
SZGRF VII 15 03 35 08.3 21.56S 169.40E 39 5.5b,3.8s
IDC VII 15 03 35 09.9–.98 20.94S 168.59E 39–6 4.5,4.4
NEIC VII 15 03 35 15.0–.53 21.24S 168.01E 39 4.8b,4.4
ISC Event type ke.
NOU Error ellipse: s-maj=32.8km s-min=27.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=7.8km az=144.1.
LDG Event type ke. Error ellipse: s-maj=28.5km s-min=5.1km az=130.0.
SZGRF Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=22.4km s-min=19.4km az=114.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=13.7km az=161.0.

(307) Sichuan

ISC VII 15 09 26 21.6–.71 31.54N–.02 104.12E–.02 5–4 4.9b,4.1s 457 1-148
IDC VII 15 09 26 20.0–.51 31.54N 104.15E 0 4.8,4.7 ¶13389246
ISCJB VII 15 09 26 20.7–.82 31.50N–.02 104.13E–.02 12–5 4.9b,4.1s
BJI VII 15 09 26 21.4 31.48N 104.27E 15 4.9L,4.8b
NEIC VII 15 09 26 22.2–.14 31.56N 104.12E 10 5.0b,4.3s
MOS VII 15 09 26 23.5–.97 31.53N 104.22E 33 5.1b,4.2s
DJA VII 15 09 26 28 30.41N 103.29E 27 5.5b,4.2s
SZGRF VII 15 09 26 36.4 32.76N 103.35E 33 5.3b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=17.2km s-min=11.8km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=35.1.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=41.0. Felt at Nanchong.
MOS Error ellipse: s-maj=6.9km s-min=4.3km az=113.8.
SZGRF Sichuan, China.

(169) Samoa Islands region

ISC VII 16 08 11 07.7–.11 16.64S–.03 172.96W–.03 35 5.4b,5.3s 785 3-174
IDC VII 16 08 11 02.6–.37 16.56S 173.13W 0 5.2s,5.2 ¶11126444
NEIC VII 16 08 11 04.0–.10 16.60S 172.96W 10 5.7W,5.6W
SZGRF VII 16 08 11 04.6 17.99S 172.71W 29 5.4b,5.6W
MOS VII 16 08 11 05.6–.95 16.63S 173.04W 33 5.7b,5.3s
ISCJB VII 16 08 11 05.8–.11 16.62S–.03 172.98W–.03 33 5.4b,5.3s
BJI VII 16 08 11 09.2 16.01S 173.17W 33 5.7b,5.5b
GCMT VII 16 08 11 10.6–.10 16.67S 172.72W 22–0 5.7W,5.5b
DJA VII 16 08 11 40 17.36S 174.75W 232 5.3b,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=12.4km az=146.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.9km az=136.0. Moment Tensor Solution. s103 Moment tensor: Scale 10^{17}Nm; M_{rr}2.33 $M_{\theta\theta}$-2.92 $M_{\phi\phi}$0.59 $M_{r\theta}$-0.42 $M_{\theta\phi}$1.41 $M_{\phi r}$0.51 Best double couple: NP1:ϕ_s302.00000°,δ52.00000°,λ107.00000°. NP2:ϕ_s95.00000° ,δ41.00000°,λ69.00000°. Principal axes: T 2.4700,Plg75.0000°,Azm268.0000° ; N 1.0000,Plg13.0000°,Azm111.0000°; P -3.4700,Plg5.0000°,Azm19.0000° $M_0$3.10000×10^{17}
SZGRF Tonga Islands region.
MOS Error ellipse: s-maj=9.7km s-min=7.1km az=48.8.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.8km az=141.5.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=234, per= 50. Moment Tensor Solution. s102,c186; s60,c67; Moment tensor: Scale 10^{17}Nm; M_{rr}3.49±.04 $M_{\theta\theta}$-3.61±.03; $M_{\phi\phi}$0.11±.03; $M_{r\theta}$-1.18±.06; $M_{\theta\phi}$0.24±.03; $M_{\phi r}$0.97±.06; Best double couple: NP1:ϕ_s81.00000°,δ37.00000°,λ69.00000°. NP2:ϕ_s287.00000°,δ56.00000°,λ105.00000°. Principal axes: T 3.9000,Plg74.0000°,Azm239.0000°; N -0.0700,Plg13.0000°,Azm98.0000° ; P -3.8400,Plg10.0000°,Azm6.0000° $M_0$3.90000×10^{17}

(177) Kermadec Islands region

ISC VII 16 12 48 40.4–2.1 28.54S–.04 175.71W–.05 9–13 4.9b,4.5s 433 2-167
ISCJB VII 16 12 48 38.3–2.2 28.57S–.04 175.74W–.05 6–13 4.9b,4.5s ¶11126451
IDC VII 16 12 48 39.6–.42 28.19S 175.73W 0 5.3L,4.8
BJI VII 16 12 48 40.9 27.81S 175.33W 13 5.5b,5.2s
NEIC VII 16 12 48 41.2–.14 28.22S 175.74W 10 4.9b,5.2s
GCMT VII 16 12 48 45.4–.20 28.08S 175.43W 17–0 5.1W,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.5km az=39.3.
IDC Error ellipse: s-maj=16.5km s-min=13.8km az=151.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.1km az=140.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s39,c53; s75,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.05±.24 $M_{\theta\theta}$-1.21±.18; $M_{\phi\phi}$5.27±.15; $M_{r\theta}$0.61±.52; $M_{\theta\phi}$1.16±.11; $M_{\phi r}$-0.34±.33; Best double couple: NP1:ϕ_s203.00000°,δ45.00000°,λ-71.00000°. NP2:ϕ_s357.00000°,δ48.00000°,λ-108.00000°. Principal axes: T 5.4800,Plg1.0000° ,Azm100.0000°; N -1.2600,Plg13.0000°,Azm9.0000°; P -4.2100,Plg77.0000°,Azm196.0000° $M_0$4.80000×10^{16}

(222) East of Kuril Islands

ISC VII 16 13 02 22.3–.41 45.23N–.03 151.06E–.04 36–3 4.9b,4.3s 523 2-153
NIED VII 16 13 02 00 45.30N 151.10E 23 4.7W,4.3s ¶13389367
SKHL VII 16 13 02 17.3–1.4 44.87N 151.33E 39–9 5.7b,5.5s
ISCJB VII 16 13 02 19.4–.78 45.16N–.03 151.07E–.03 30–5 4.9b,4.3s
JMA VII 16 13 02 20.6–.50 45.33N 151.15E 30 5.1,4.3s
MOS VII 16 13 02 20.9–.95 45.32N 150.99E 36 5.1b,4.2s
BJI VII 16 13 02 21.4 45.35N 150.85E 37 5.0b,5.0b
NEIC VII 16 13 02 22.5–.59 45.29N 151.03E 38–5 4.9b,4.5s
IDC VII 16 13 02 23.4–.42 45.40N 150.98E 44–4 4.4,4.4
SZGRF VII 16 13 02 30.2 47.20N 151.37E 33 5.2b,4.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ62.00000°,λ91.00000°. NP2:ϕ_s216.00000°,δ28.00000°,λ89.00000°. $M_0$1.32000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.0km az=150.4.
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=4.6km az=110.1.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=157.0.
IDC Error ellipse: s-maj=13.9km s-min=9.6km az=137.0.
SZGRF Kuril Islands, Russia.

(30) Off coast of Oregon

ISC VII 17 22 51 55.4–.15 44.38N–.02 129.42W–.02 10 5.5b,5.3s 872 4-155
MOS VII 17 22 51 53.8–.87 44.35N 129.34W 10 5.8b,5.2s ¶12951376
IDC VII 17 22 51 53.1–.55 44.31N 129.41W 0 5.2,5.2b
ISCJB VII 17 22 51 54.0–.15 44.38N–.02 129.33W–.02 10 5.5b,5.3s
NEIC VII 17 22 51 55.3–.16 44.37N 129.42W 10 5.6b,5.6W
GCMT VII 17 22 51 57.0–.10 44.09N 129.56W 14–0 5.7W,5.6W
BGS VII 17 22 51 58.4–1.6 44.10N 126.90W 10–0 5.5s,5.3b
BJI VII 17 22 51 58.0 45.23N 130.18W 10 5.6b,5.5s
SZGRF VII 17 22 52 04.7 45.22N 129.20W 38 5.5b,5.4s
ISC Event type se.
MOS Error ellipse: s-maj=4.8km s-min=3.7km az=88.2.
IDC Error ellipse: s-maj=18.3km s-min=9.0km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=1.8km az=26.3.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=1.8km az=31.0.
GCMT Event type se. Data Used: II IC G IU CN. Surface waves: sta=111, comp=232, per= 50. Moment Tensor Solution. s80,c120; s50,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.29±.06 $M_{\theta\theta}$-2.36±.05; $M_{\phi\phi}$3.66±.06; $M_{r\theta}$-0.46±.12; $M_{\theta\phi}$-2.85±.05; $M_{\phi r}$0.89±.12; Best double couple: NP1:ϕ_s24.00000°,δ82.00000°,λ5.00000°. NP2:ϕ_s293.00000°,δ85.00000°,λ172.00000°. Principal axes: T 4.9500,Plg9.0000°,Azm248.0000°; N -1.4400,Plg81.0000°,Azm84.0000°

; P -3.5000,Plg3.0000°,Azm339.0000° $M_0$4.20000×10^{17}
BGS Error ellipse: s-maj=226.3km s-min=932.2km az=-1.0.
SZGRF Off coast of Oregon, United States.

(229) Off east coast of Honshu

ISC	**VII**	**19 02 39 29.7–.06**	**37.54N–.01**	**142.26E–.01**	**28**	**7.2s,6.2b**	**2211**	**1-164**
NIED	VII	19 02 39 00	37.50N	142.30E	35	6.9W,6.2b		**¶13389545**
IDC	VII	19 02 39 24.9–.34	37.52N	142.28E	0	7.0s,7.0		
ISCJB	VII	19 02 39 27.7–.06	37.49N–.01	142.28E–.01	27	7.2s,6.2b		
NEIC	VII	19 02 39 28.7–.09	37.55N	142.21E	22	7.0s,7.0W		
BJI	VII	19 02 39 28.4	37.56N	141.91E	22	7.2s,7.2		
BGS	VII	19 02 39 28.4–1.5	37.87N	141.91E	20–0	7.4s,6.0b		
JMA	VII	19 02 39 28.6–.20	37.52N	142.26E	32–4	6.9,6.0b		
MOS	VII	19 02 39 29.2–.90	37.64N	142.24E	33	7.3s,6.4b		
DJA	VII	19 02 39 34	37.47N	142.13E	58	7.1W,6.4b		
SZGRF	VII	19 02 39 34.2	38.70N	142.66E	33	7.6s,6.4b		
GCMT	VII	19 02 39 34.8–.00	37.47N	142.42E	22–0	6.9W,6.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ72.00000°,λ80.00000°. NP2:ϕ_s234.00000°,δ20.00000°,λ119.00000°. $M_0$2.39000×10^{19}
IDC Error ellipse: s-maj=12.8km s-min=9.6km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=162.8.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=172.0. Felt [III] at Misawa, Tokyo and Yokohama; [II] at Yamato. Felt as far west as Niigata and as far south as Mishima. A small tsunami was observed along the coast of Fukushima and Miyagi. Recorded [4 JMA] in Fukushima, Iwate, Miyagi and Tochigi; [3 JMA] in Akita, Aomori, Chiba, Gumma, Ibaraki, Kanagawa, Nagano, Niigata, Saitama, Tokyo, Yamagata and Yamanashi; [2 JMA] in Aichi and Shizuoka; [1 JMA] in Gifu, Ishikawa and Shiga. Also recorded [2 JMA] in southern Hokkaido and [1 JMA] on Nii-jima. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ80.00000°,λ90.00000°. NP2: ϕ_s205.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm295.0000° ; N Plg0.0000°,Azm0.0000°; P Plg38.0000°,Azm120.0000° Moment Tensor Solution. s194 Moment tensor: Scale 10^{19}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-0.79 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.14 $M_{\phi r}$1.79 Best double couple: NP1:ϕ_s23.00000°,δ77.00000°,λ92.00000°. NP2:ϕ_s191.00000° ,δ13.00000°,λ79.00000°. Principal axes: T 2.2900,Plg57.0000°,Azm295.0000° ; N -0.2500,Plg2.0000°,Azm201.0000°; P -2.0400,Plg32.0000°,Azm110.0000° $M_0$2.20000×10^{19} Moment Tensor Solution. $M_0$2.40000×10^{19} Moment Tensor Solution. $M_0$2.90000×10^{19}
BGS Error ellipse: s-maj=149.1km s-min=393.9km az=-1.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=6.0km s-min=3.7km az=108.2. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s194.00000°,δ21.00000°,λ63.00000°. NP2: ϕ_s42.00000°,δ71.00000°,λ100.00000°. Principal axes: T Plg63.0000°,Azm327.0000° ; N Plg9.0000°,Azm219.0000°; P Plg25.0000°,Azm124.0000° $M_0$7.80000×10^{19}
SZGRF Near east coast of eastern Honshu, Japan.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 105 sta. Surface waves: sta=120, comp=312, per= 50. Moment Tensor Solution. s113,c302; s99,c244; Moment tensor: Scale 10^{19}Nm; M_{rr}1.53±.01 $M_{\theta\theta}$-0.17±.01; $M_{\phi\phi}$-1.35±.01; $M_{r\theta}$0.96±.02; $M_{\theta\phi}$-0.54 $M_{\phi r}$2.31±.03; Best double couple: NP1:ϕ_s200.00000°,δ16.00000° ,λ88.00000°. NP2:ϕ_s22.00000°,δ74.00000°,λ91.00000°. Principal axes: T 2.9300,Plg61.0000°,Azm293.0000°; N 0.0300,Plg1.0000°,Azm202.0000° ; P -2.9500,Plg29.0000°,Azm112.0000° $M_0$2.90000×10^{19}

(229) Off east coast of Honshu

ISC	**VII**	**19 02 47 29.5–.12**	**37.56N–.03**	**142.43E–.02**	**30**	**6.0s,5.3b**	**773**	**1-154**
IDC	VII	19 02 47 24.4–.38	37.49N	142.51E	0	5.1,5.1		**¶13389548**
BJI	VII	19 02 47 24.6	37.71N	142.76E	25	5.7b,5.4b		
JMA	VII	19 02 47 25.6–.30	37.50N	142.63E	19–5	5.5,5.4b		
ISCJB	VII	19 02 47 27.6–.12	37.53N–.03	142.45E–.02	28	6.0s,5.3b		
MOS	VII	19 02 47 28.3–1.1	37.69N	142.50E	33	5.6b,5.3b		
NEIC	VII	19 02 47 29.4–1.3	37.56N	142.40E	31–8	5.3b,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.5km s-min=9.6km az=101.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=169.4.
MOS Error ellipse: s-maj=9.5km s-min=6.6km az=98.2.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=148.0. Recorded [2 JMA] in Miyagi and [1 JMA] in Fukushima, Ibaraki, Iwate and Yamagata.

(183) Santa Cruz Islands region

ISC	**VII**	**19 09 27 04.6–.87**	**11.07S–.02**	**164.53E–.02**	**29–6**	**6.4s,6.0b**	**1114**	**5-171**
ISCJB	VII	19 09 27 00.8–.83	11.06S–.02	164.47E–.02	14–5	6.4s,6.0b		**¶13389567**
NEIC	VII	19 09 27 01.5–.08	11.04S	164.49E	11	6.6W,6.6W		
BJI	VII	19 09 27 02.2	10.91S	164.89E	33	6.8b,6.6s		
SZGRF	VII	19 09 27 03.1	10.79S	165.25E	33	6.7b,6.6s		
MOS	VII	19 09 27 03.5–.79	11.00S	164.41E	33	6.4s,6.3b		
DJA	VII	19 09 27 04	11.09S	164.39E	10	6.8W,6.3b		
IDC	VII	19 09 27 05.0–1.5	11.10S	164.48E	32–10	6.2s,6.2		
GCMT	VII	19 09 27 07.6–.00	11.12S	164.47E	14–0	6.6W,6.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=171.8.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.9km az=154.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s59 Moment tensor: Scale 10^{18}Nm; M_{rr}-6.84 $M_{\theta\theta}$3.28 $M_{\phi\phi}$3.56 $M_{r\theta}$0.42 $M_{\theta\phi}$3.69 $M_{\phi r}$5.24 Best double couple: NP1:ϕ_s203.00000°,δ63.00000°,λ-110.00000°. NP2: ϕ_s62.00000°,δ33.00000°,λ-56.00000°. Principal axes: T 8.3100,Plg16.0000°,Azm307.0000° ; N 0.8100,Plg17.0000°,Azm212.0000°; P -9.1100,Plg65.0000°,Azm77.0000° $M_0$8.70000×10^{18} Moment Tensor Solution. $M_0$2.40000×10^{19}
SZGRF Santa Cruz Islands.
MOS Error ellipse: s-maj=6.4km s-min=6.1km az=145.0.
IDC Error ellipse: s-maj=8.5km s-min=8.0km az=51.0.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 109 sta. Surface waves: sta=119, comp=305, per= 50. Moment Tensor Solution. s116,c283; s99,c231; Moment tensor: Scale 10^{18}Nm; M_{rr}-8.48±.04 $M_{\theta\theta}$3.35±.03; $M_{\phi\phi}$5.12±.04; $M_{r\theta}$-1.06±.09; $M_{\theta\phi}$4.96±.03; $M_{\phi r}$1.57±.09; Best double couple: NP1:ϕ_s52.00000°,δ45.00000° ,λ-72.00000°. NP2:ϕ_s208.00000°,δ48.00000°,λ-107.00000°. Principal axes: T 9.2900,Plg2.0000°,Azm310.0000°; N -0.3900,Plg13.0000°,Azm219.0000° ; P -8.9000,Plg77.0000°,Azm47.0000° $M_0$9.10000×10^{18}

(183) Santa Cruz Islands region

ISC	**VII**	**19 09 34 30.6–.14**	**11.13S–.03**	**164.57E–.03**	**35**	**5.8s,5.2b**	**280**	**5-150**
IDC	VII	19 09 34 25.0–.48	11.05S	164.63E	0	5.1,5.1		**¶11133672**
NEIC	VII	19 09 34 26.8–.17	11.04S	164.53E	10	5.5b,5.1		
MOS	VII	19 09 34 27.9–.71	11.04S	164.57E	33	5.7b,5.1		
ISCJB	VII	19 09 34 28.8–.16	11.08S–.04	164.50E–.03	33	5.8s,5.2b		
BJI	VII	19 09 34 30.9	10.45S	164.41E	25	5.9s,5.9b		
DJA	VII	19 09 34 40	11.06S	164.20E	104	5.3b,5.9b		

ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=13.4km az=108.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.8km az=145.0.
MOS Error ellipse: s-maj=22.7km s-min=16.3km az=170.6.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.9km az=164.4.

(183) Santa Cruz Islands region

ISC	**VII**	**19 11 01 19.6–1.1**	**11.16S–.03**	**164.63E–.02**	**25–7**	**5.9s,5.7b**	**720**	**5-171**
ISCJB	VII	19 11 01 14.9–1.1	11.15S–.03	164.58E–.02	5–7	5.9s,5.7b		**¶12951470**
NOU	VII	19 11 01 14.9–.94	10.64S	165.03E	30–0	5.9s,5.7b		
IDC	VII	19 11 01 15.3–.31	11.05S	164.57E	0	5.8s,5.8		
NEIC	VII	19 11 01 17.7–.15	11.07S	164.62E	10	6.2W,6.2W		
BJI	VII	19 11 01 17.0	10.97S	165.60E	41	6.2s,6.2b		
DJA	VII	19 11 01 19	11.38S	164.68E	30	5.7b,6.2b		
MOS	VII	19 11 01 20.6–1.4	10.92S	164.44E	33	6.0s,5.8b		
GCMT	VII	19 11 01 23.7–.10	11.18S	164.45E	12	6.2W,5.8b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.2km az=172.1.
NOU Error ellipse: s-maj=18.5km s-min=176.7km az=-1.0.
IDC Error ellipse: s-maj=10.2km s-min=9.0km az=136.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=5.1km az=156.0. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.09 $M_{\theta\theta}$1.13 $M_{\phi\phi}$0.96 $M_{r\theta}$0.45 $M_{\theta\phi}$0.58 $M_{\phi r}$2.17 Best double couple: NP1:ϕ_s202.00000°,δ70.00000°,λ-102.00000°. NP2:ϕ_s54.00000° ,δ23.00000°,λ-60.00000°. Principal axes: T 2.4700,Plg24.0000°,Azm301.0000° ; N 0.7500,Plg11.0000°,Azm206.0000°; P -3.2200,Plg62.0000°,Azm93.0000° $M_0$2.90000×10^{18}
MOS Error ellipse: s-maj=9.5km s-min=7.3km az=119.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=117, comp=286, per= 50. Moment Tensor Solution. s99,c203; s97,c147; Moment tensor: Scale 10^{18}Nm; M_{rr}-2.26±.02 $M_{\theta\theta}$1.06±.02; $M_{\phi\phi}$1.21±.02; $M_{r\theta}$-0.55±.05; $M_{\theta\phi}$1.12±.01; $M_{\phi r}$0.51±.05; Best double couple: NP1:ϕ_s207.00000°,δ47.00000°,λ-113.00000°. NP2:ϕ_s59.00000°,δ47.00000°,λ-67.00000°. Principal axes: T 2.2600,Plg0.0000°,Azm133.0000°; N 0.2300,Plg17.0000°,Azm223.0000° ; P -2.4800,Plg73.0000°,Azm43.0000° $M_0$2.40000×10^{18}

(183) Santa Cruz Islands region

ISC	**VII**	**19 11 15 27.8–2.1**	**11.13S–.04**	**164.58E–.03**	**35–15**	**5.4s,5.1b**	**357**	**5-163**
NOU	VII	19 11 15 19.3–1.0	10.35S	165.55E	30–0	5.4s,5.1b		**¶11133678**
ISCJB	VII	19 11 15 21.5–2.5	11.06S–.05	164.53E–.03	3–15	5.4s,5.1b		
IDC	VII	19 11 15 22.4–.42	11.05S	164.61E	0	5.2,5.2s		
NEIC	VII	19 11 15 24.2–.16	11.03S	164.56E	10	5.2b,5.2s		
MOS	VII	19 11 15 26.8–.85	10.92S	164.41E	33	5.5b,5.2s		
BJI	VII	19 11 15 29.8	10.57S	164.45E	46	5.8b,5.6s		

ISC Event type se.
NOU Error ellipse: s-maj=20.5km s-min=309.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=177.1.
IDC Error ellipse: s-maj=16.2km s-min=13.3km az=111.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=143.0.
MOS Error ellipse: s-maj=9.7km s-min=8.8km az=69.0.

(183) Santa Cruz Islands region

ISC	**VII**	**19 11 45 43.1–2.5**	**11.02S–.05**	**164.60E–.04**	**25–18**	**5.1s,5.0b**	**266**	**5-163**
DJA	VII	19 11 45 19	10.90S	167.37E	30	5.1b,5.0b		**¶11133679**
IDC	VII	19 11 45 39.0–.48	11.00S	164.67E	0	4.9,4.9		
ISCJB	VII	19 11 45 38.9–2.8	11.00S–.05	164.56E–.03	8–17	5.1s,5.0b		
BJI	VII	19 11 45 40.1	10.48S	164.80E	7	5.5b,5.4s		
NEIC	VII	19 11 45 40.8–.17	10.99S	164.62E	10	5.2b,5.4s		
MOS	VII	19 11 45 43.3–.94	10.87S	164.46E	33	5.4b,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=14.5km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.4km az=175.9.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.7km az=140.0.
MOS Error ellipse: s-maj=10.4km s-min=9.5km az=81.2.

(273) Southwest of Sumatera

ISC	**VII**	**19 23 19 57.8–.96**	**0.45S–.03**	**96.97E–.02**	**28–6**	**5.2b,4.7s**	**461**	**2-158**
IDC	VII	19 23 19 53.3–.36	0.42S	96.91E	0	5.2L,5.0		**¶11133699**
BJI	VII	19 23 19 53.0	0.98S	96.91E	37	5.4b,5.3b		
ISCJB	VII	19 23 19 54.2–.91	0.44S–.03	96.95E–.02	15–6	5.2b,4.7s		
MOS	VII	19 23 19 56.8–.95	0.39S	96.97E	33	5.3b,4.7s		
DJA	VII	19 23 19 57.7–1.2	0S–3.0	97E–3.0	14–8	5.8b,5.7		
NEIC	VII	19 23 19 58.5–.13	0.44S	96.95E	35	5.2b,5.7		
SZGRF	VII	19 23 19 58.0	0.84S	96.43E	20	4.9b,5.7		
TEH	VII	19 23 19 59.0	0.41S	96.96E	35	4.9b,5.7		

ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=9.5km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.7km az=30.8.
MOS Error ellipse: s-maj=8.0km s-min=4.7km az=113.8.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.5km az=216.0. Felt [III] at Gunungsitoli, Nias.
SZGRF Southwest of Sumatera, Indonesia.

(229) Off east coast of Honshu

ISC	**VII**	**21 11 30 30.7–.07**	**37.21N–.01**	**142.08E–.01**	**30**	**5.8s,5.8b**	**1754**	**1-161**
NIED	VII	21 11 30 00	37.10N	142.30E	29	5.8W,5.8b		**¶11812258**
IDC	VII	21 11 30 25.7–.33	37.18N	142.09E	0	5.6,5.6s		
JMA	VII	21 11 30 26.6–.20	37.14N	142.34E	27–4	6.1,5.6s		
MOS	VII	21 11 30 27.0–.77	37.33N	142.10E	14	6.0b,5.9s		
ISCJB	VII	21 11 30 28.7–.07	37.18N–.01	142.10E–.01	28	5.8s,5.8b		
BJI	VII	21 11 30 29.1	37.19N	141.67E	22	6.1b,6.0s		
NEIC	VII	21 11 30 29.3–.09	37.19N	142.05E	22	6.0W,5.9		
SZGRF	VII	21 11 30 30.8	37.85N	143.37E	33	6.1b,6.1s		
GCMT	VII	21 11 30 34.1–.10	37.16N	142.30E	30–0	5.9W,6.1s		
BGS	VII	21 11 30 35.4–1.5	37.38N	141.36E	22–0	6.0s,5.9b		
DJA	VII	21 11 30 56	37.09N	141.34E	242	5.7W,5.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ67.00000°,λ87.00000°. NP2:ϕ_s208.00000°,δ23.00000°,λ97.00000°. $M_0$6.51000×10^{17}
IDC Error ellipse: s-maj=12.2km s-min=8.2km az=111.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=106.1.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.4km az=162.8.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=158.0. Felt [IV] at Misawa and [III] at Tokyo. Also felt at Daigo, Hamura, Kamakura, Morioka, Musashino, Narita, Niigata, Tsukuba, Urawa and Yokosuka. Recorded [4 JMA] in Fukushima and Miyagi; [3 JMA] in Ibaraki, Iwate, Niigata, Saitama, Tochigi and Yamagata; [2 JMA] in Akita, Aomori, Chiba, Gumma, Kanagawa, Nagano, Shizuoka, Tokyo and Yamanashi; [1 JMA] in Gifu. Also recorded [1 JMA] in southern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s205.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm295.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm115.0000° Moment Tensor Solution. s135 Moment tensor: Scale 10^{17}Nm; M_{rr}3.23 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-3.43 $M_{r\theta}$1.84 $M_{\theta\phi}$-0.14 $M_{\phi r}$4.07 Best double couple: NP1:ϕ_s20.00000°,δ72.00000°,λ101.00000°. NP2:ϕ_s166.00000° ,δ21.00000°,λ58.00000°. Principal axes: T 5.6400,Plg61.0000°,Azm306.0000° ; N -0.1200,Plg10.0000°,Azm196.0000°; P -5.5100,Plg26.0000°,Azm100.0000° $M_0$5.60000×10^{17} Moment Tensor Solution. $M_0$6.50000×10^{17}
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=110, comp=253, per= 50. Moment Tensor Solution. s91,c207; s70,c91; Moment tensor: Scale 10^{17}Nm; M_{rr}5.34±.07 $M_{\theta\theta}$-0.49±.05; $M_{\phi\phi}$-4.84±.05; $M_{r\theta}$3.31±.10; $M_{\theta\phi}$-2.58±.04; $M_{\phi r}$6.67±.13; Best double couple: NP1:ϕ_s203.00000°,δ19.00000°,λ87.00000°. NP2:ϕ_s26.00000°,δ71.00000°,λ91.00000°. Principal axes: T 9.0200,Plg64.0000°,Azm298.0000°; N 0.7100,Plg1.0000°,Azm206.0000° ; P -9.7200,Plg26.0000°,Azm115.0000° $M_0$9.40000×10^{17}
BGS Error ellipse: s-maj=250.5km s-min=614.7km az=-1.0.

(229) Off east coast of Honshu

ISC	**VII**	**22 08 46 51.2–.09**	**37.76N–.02**	**142.27E–.02**	**30**	**5.3b,5.2s**	**1138**	**1-160**
NIED	VII	22 08 46 00	37.70N	142.40E	26	5.2W,5.2s		**¶11136693**
BJI	VII	22 08 46 45.2	37.61N	142.19E	6	5.4b,5.3s		
IDC	VII	22 08 46 45.7–.49	37.66N	142.44E	0	5.1,5.1		
NEIC	VII	22 08 46 47.9–.11	37.73N	142.31E	10	5.2b,5.2W		
JMA	VII	22 08 46 48.5–.10	37.69N	142.37E	30–3	5.5,5.2W		
ISCJB	VII	22 08 46 49.3–.09	37.76N–.02	142.28E–.01	28	5.3b,5.2s		
PDG	VII	22 08 46 49.4	37.80N	142.30E	30	5.5b,5.2s		
MOS	VII	22 08 46 50.0–.84	37.97N	142.26E	28	5.5b,5.2s		
GCMT	VII	22 08 46 51.9–.20	37.77N	142.33E	12	5.4W,5.2s		
DJA	VII	22 08 47 00	38.66N	142.91E	117	5.3b,5.2s		
SZGRF	VII	22 08 47 10.2	39.00N	139.56E	33	5.6b,5.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ80.00000°,λ89.00000°. NP2:ϕ_s209.00000°,δ10.00000°,λ95.00000°. $M_0$8.22000×10^{16}
IDC Error ellipse: s-maj=13.7km s-min=12.2km az=117.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.2km az=156.0. Recorded [3 JMA] in Fukushima and Miyagi; [2 JMA] in Akita, Iwate, Tochigi and Yamagata; [1 JMA] in Aomori, Gumma and Ibaraki. Moment Tensor Solution. $M_0$8.20000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.6km az=169.2.
PDG Event type ke.
MOS Error ellipse: s-maj=6.2km s-min=3.9km az=100.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s51,c71; s88,c144; Moment tensor: Scale 10^{17}Nm; M_{rr}0.06±.01 $M_{\theta\theta}$-0.01±.01; $M_{\phi\phi}$-0.05±.01; $M_{r\theta}$0.51±.02; $M_{\theta\phi}$-0.08±.01; $M_{\phi r}$1.25±.02; Best double couple: NP1:ϕ_s248.00000°,δ3.00000°,λ136.00000°. NP2:ϕ_s22.00000°,δ88.00000°,λ88.00000°. Principal axes: T 1.3300,Plg47.0000° ,Azm290.0000°; N 0.0400,Plg2.0000°,Azm22.0000°; P -1.3700,Plg43.0000°,Azm114.0000° $M_0$1.40000×10^{17}
SZGRF Near west coast of eastern Honshu, Japan.

(307) Sichuan

ISC	**VII**	**23 19 54 45.0–.53**	**32.83N–.01**	**105.54E–.02**	**6–3**	**5.6b,5.2s**	**1186**	**2-175**
BGS	VII	23 19 54 26.6–1.4	31.77N	106.52E	10–0	5.5b,5.3s		**¶12951595**
BJI	VII	23 19 54 42.9	32.72N	105.63E	10	5.8b,5.7s		
ISCJB	VII	23 19 54 43.8–.08	32.83N–.01	105.54E–.02	10	5.6b,5.2s		
IDC	VII	23 19 54 43.4–.36	32.78N	105.60E	0	5.4,5.4b		
NEIC	VII	23 19 54 44.2–.10	32.75N	105.50E	4	5.8b,5.7		
TEH	VII	23 19 54 45.0	32.78N	105.55E	10	5.8b,5.7		
MOS	VII	23 19 54 45.2–.83	32.78N	105.60E	23	5.9b,5.1s		

GCMT	VII	23 19 54 47.2–.20	32.71N	105.61E	12	5.5W,5.1s			
SZGRF	VII	23 19 54 47.9	32.60N	105.87E	33	6.0b,5.4s			
DJA	VII	23 19 54 49	32.76N	105.32E	19	5.9W,5.4s			

ISC Event type de.
BGS Error ellipse: s-maj=269.2km s-min=383.6km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.1km s-min=1.8km az=39.0.
IDC Error ellipse: s-maj=13.2km s-min=8.9km az=47.0.
NEIC Event type de. Error ellipse: s-maj=3.1km s-min=2.4km az=192.0. Casualties and damage are included with the event on July 24 at 07:09 UTC. Felt [IV] at Baoji and Hanzhong; [III] at Xi'an. Felt at Ankang, Chengdu, Deyang, Guangyuan, Leshan, Mianyang and Nanchong. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
MOS Error ellipse: s-maj=5.8km s-min=3.3km az=120.9.
GCMT Event type se. Data Used: II IU G IC CN. Surface waves: sta= 85, comp=171, per= 50. Moment Tensor Solution. s34,c38; s7,c7; Moment tensor: M_{rr}1.90±.04 $M_{\theta\theta}$-0.12±.03; $M_{\phi\phi}$-1.79±.03; $M_{r\theta}$0.70±.15; $M_{\theta\phi}$0.18±.03; $M_{\phi r}$-0.17±.11; Best double couple: NP1:ϕ_s10.00000°,δ44.00000°,λ115.00000°. NP2:ϕ_s157.00000°,δ51.00000°,λ68.00000°. Principal axes: T 2.1200,Plg73.0000°,Azm5.0000°; N -0.3000,Plg17.0000°,Azm171.0000° ; P -1.8300,Plg4.0000°,Azm262.0000° $M_0$2.00000×10^{17}
SZGRF Sichuan, China.

(221) Kuril Islands

ISC	**VII**	**24 01 43 18.4–.08**	**50.93N–.02**	**157.51E–.02**	**45**	**6.0s,5.8b**	**1978**	**1-159**
BJI	VII	24 01 43 13.5	50.87N	157.78E	33	6.1s,6.0b		**¶11153647**
ISCJB	VII	24 01 43 15.6–.08	50.84N–.02	157.59E–.02	39	6.0s,5.8b		
NEIC	VII	24 01 43 16.1–.10	50.97N	157.58E	27	6.2W,6.1W		
BGS	VII	24 01 43 16.2–1.2	51.12N	157.59E	20–0	5.9s,5.9b		
MOS	VII	24 01 43 16.6–.96	50.84N	157.59E	49	6.1s,6.1b		
KRSC	VII	24 01 43 17.6–1.5	50.80N	158.30E	36–35	6.3L,6.1b		
SZGRF	VII	24 01 43 19.7	50.52N	158.07E	84	6.1b,6.1b		
IDC	VII	24 01 43 19.7–2.2	50.97N	157.54E	61–19	5.9,5.8s		
GCMT	VII	24 01 43 22.7–.10	50.71N	158.15E	42–0	6.2W,5.8s		
DJA	VII	24 01 43 24	51.04N	157.80E	103	6.0W,5.8s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.4km az=169.6.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=1.7km az=170.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ60.00000° ,λ100.00000°. NP2:ϕ_s206.00000°,δ31.00000°,λ73.00000°. Principal axes: T Plg73.0000° ,Azm340.0000°; N Plg0.0000°,Azm0.0000°; P Plg14.0000°,Azm128.0000° Moment Tensor Solution. s177 Moment tensor: Scale 10^{18}Nm; M_{rr}1.58 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$-0.99 $M_{r\theta}$0.56 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.25 Best double couple: NP1:ϕ_s47.00000°,δ55.00000°,λ101.00000°. NP2:ϕ_s208.00000° ,δ36.00000°,λ75.00000°. Principal axes: T 1.7200,Plg76.0000°,Azm352.0000° ; N -0.1100,Plg8.0000°,Azm220.0000°; P -1.6100,Plg9.0000°,Azm129.0000° $M_0$1.70000×10^{18} Moment Tensor Solution. $M_0$2.90000×10^{18}
BGS Error ellipse: s-maj=140.4km s-min=366.0km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=5.9km s-min=3.1km az=90.8. Felt (III-IV) at Severo-Kuril'sk; (III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
SZGRF East of Kuril Islands, Russia.
IDC Error ellipse: s-maj=12.6km s-min=8.5km az=149.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=277, per= 50. Moment Tensor Solution. s109,c276; s85,c146; Moment tensor: Scale 10^{18}Nm; M_{rr}2.25±.01 $M_{\theta\theta}$-0.85±.01; $M_{\phi\phi}$-1.39±.01; $M_{r\theta}$0.86±.01; $M_{\theta\phi}$-1.34±.01; $M_{\phi r}$0.60±.01; Best double couple: NP1:ϕ_s212.00000°,δ34.00000°,λ78.00000°. NP2:ϕ_s46.00000°,δ57.00000°,λ98.00000°. Principal axes: T 2.4900,Plg77.0000°,Azm341.0000°; N 0.2100,Plg7.0000°,Azm222.0000° ; P -2.7000,Plg12.0000°,Azm130.0000° $M_0$2.60000×10^{18}

(307) Sichuan

ISC	**VII**	**24 07 09 29.3–.57**	**32.81N–.01**	**105.57E–.01**	**3–3**	**5.5b,5.4s**	**1381**	**2-175**
TEH	VII	24 07 06 09.0	32.81N	105.60E	10	5.5b,5.4s		**¶13389968**
BGS	VII	24 07 09 27.3–1.4	32.31N	105.56E	10–0	5.6s,5.3b		
BJI	VII	24 07 09 27.7	32.76N	105.61E	10	6.0s,5.7L		
ISCJB	VII	24 07 09 28.6–.08	32.77N–.01	105.50E–.01	10	5.5b,5.4s		
IDC	VII	24 07 09 28.4–.43	32.81N	105.67E	0	5.5,5.5		
SZGRF	VII	24 07 09 29.7	32.15N	105.74E	33	5.9b,5.6s		
MOS	VII	24 07 09 29.8–.87	32.80N	105.60E	21	5.7b,5.3s		
NEIC	VII	24 07 09 30.1–.11	32.75N	105.54E	10	5.7W,5.6b		
GCMT	VII	24 07 09 31.8–.10	32.82N	105.55E	13–0	5.6W,5.6b		
DJA	VII	24 07 09 33	32.73N	105.49E	10	5.9W,5.6b		

ISC Event type de.
BGS Error ellipse: s-maj=286.0km s-min=427.0km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.0km s-min=1.8km az=17.4.
IDC Error ellipse: s-maj=13.8km s-min=10.9km az=35.0.
SZGRF Sichuan, China.
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=120.5.
NEIC Event type de. Error ellipse: s-maj=3.4km s-min=2.6km az=193.0. One person killed, 17 injured and 1,200 houses destroyed in Sichuan. Felt [IV] at Chengdu and [II] at Xi'an. Also felt at Baoji, Beidao, Chongqing, Deyang, Hanzhong, Mianyang, Nanchong, Xianyang and Yanliang.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=100, comp=196, per= 50. Moment Tensor Solution. s76,c127; s31,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}1.31±.04 $M_{\theta\theta}$1.01±.04; $M_{\phi\phi}$-2.31±.04; $M_{r\theta}$0.18±.09; $M_{\theta\phi}$2.20±.03; $M_{\phi r}$0.31±.09; Best double couple: NP1:ϕ_s110.00000°,δ75.00000°,λ12.00000°. NP2:ϕ_s17.00000°,δ79.00000°,λ165.00000°. Principal axes: T 2.2100,Plg19.0000°,Azm333.0000°; N 1.2200,Plg71.0000°,Azm161.0000° ; P -3.4100,Plg2.0000°,Azm64.0000° $M_0$2.80000×10^{17}

(6) Rat Islands

ISC	**VII**	**25 00 29 25.6–.08**	**51.24N–.02**	**178.95E–.01**	**41**	**5.7b,5.5s**	**2008**	**0-160**
BJI	VII	25 00 29 20.5	51.25N	179.03E	23	6.0b,6.0b		**¶13390023**
BGS	VII	25 00 29 21.1–1.2	50.94N	178.58E	20–0	5.7b,5.3s		
NEIC	VII	25 00 29 23.0–.11	51.28N	178.98E	21	6.0,5.9W		
MOS	VII	25 00 29 22.0–.86	51.28N	179.07E	25	5.9b,5.4s		
ISCJB	VII	25 00 29 23.7–.09	51.16N–.02	178.98E–.01	40	5.7b,5.5s		
IDC	VII	25 00 29 24.7–1.4	51.38N	179.09E	31–8	5.5,5.5		
GCMT	VII	25 00 29 26.6–.10	51.12N	178.95E	22–0	5.9W,5.5		
SZGRF	VII	25 00 29 29.7	51.78N	177.39E	33	5.6s,5.5b		
DJA	VII	25 00 29 50	51.05N	178.98E	276	5.7W,5.5b		

ISC Event type fe.
BGS Error ellipse: s-maj=101.5km s-min=312.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=1.8km az=181.0. Felt on Adak. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s155 Moment tensor: Scale 10^{17}Nm; M_{rr}3.53 $M_{\theta\theta}$-3.68 $M_{\phi\phi}$0.14 $M_{r\theta}$2.75 $M_{\theta\phi}$-0.51 $M_{\phi r}$1.73 Best double couple: NP1:ϕ_s67.00000° ,δ66.00000°,λ76.00000°. NP2:ϕ_s278.00000°,δ27.00000°,λ118.00000°. Principal axes: T 4.9300,Plg65.0000°,Azm312.0000°; N -0.1000,Plg12.0000°,Azm72.0000° ; P -4.8300,Plg20.0000°,Azm166.0000° $M_0$4.90000×10^{17}
MOS Error ellipse: s-maj=6.0km s-min=3.6km az=96.3.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.2km az=1.6.
IDC Error ellipse: s-maj=15.5km s-min=9.1km az=161.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=257, per= 50. Moment Tensor Solution. s106,c237; s69,c87; Moment tensor: Scale 10^{17}Nm; M_{rr}5.72±.06 $M_{\theta\theta}$-5.97±.05; $M_{\phi\phi}$0.25±.04; $M_{r\theta}$4.61±.10; $M_{\theta\phi}$-1.24±.04; $M_{\phi r}$1.90±.09; Best double couple: NP1:ϕ_s268.00000°,δ26.00000°,λ105.00000°. NP2:ϕ_s71.00000°,δ65.00000°,λ83.00000°. Principal axes: T 7.5900,Plg69.0000°,Azm328.0000°; N 0.3800,Plg6.0000°,Azm74.0000° ; P -7.9700,Plg20.0000°,Azm167.0000° $M_0$7.80000×10^{17}
SZGRF Rat Islands, Aleutian Islands, United States.

(703) Andaman Islands region

ISC	**VII**	**26 05 35 35.5–.12**	**11.57N–.02**	**91.71E–.02**	**24**	**5.2b,4.7s**	**738**	**1-165**
IDC	VII	26 05 35 31.9–.40	11.61N	91.82E	0	4.9b,4.9		**¶11153768**
BJI	VII	26 05 35 32.2	11.50N	91.72E	20	5.3b,5.0s		
NEIC	VII	26 05 35 33.8–1.5	11.61N	91.66E	12–8	5.4b,5.0s		
ISCJB	VII	26 05 35 33.4–.12	11.57N–.02	91.72E–.02	22	5.2b,4.7s		
MOS	VII	26 05 35 34.7–.86	11.64N	91.72E	29	5.5b,4.6s		
SZGRF	VII	26 05 35 34.1	10.51N	91.25E	21	5.3b,4.5s		
GCMT	VII	26 05 35 35.8–.20	11.61N	91.64E	12	5.1W,4.5s		
DJA	VII	26 05 35 47	11.60N	92.60E	79	5.2b,4.5s		

ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=10.7km az=61.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=215.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.3km az=32.1.
MOS Error ellipse: s-maj=6.7km s-min=3.4km az=120.1.
SZGRF Andaman Islands, India, region.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s42,c49; s87,c148; Moment tensor: Scale 10^{16}Nm; M_{rr}4.74±.10 $M_{\theta\theta}$0.19±.09; $M_{\phi\phi}$-4.93±.09; $M_{r\theta}$-1.35±.38; $M_{\theta\phi}$-0.42±.08; $M_{\phi r}$-2.46±.27; Best double couple: NP1:ϕ_s353.00000°,δ32.00000°,λ70.00000°. NP2:ϕ_s196.00000°,δ60.00000°,λ102.00000°. Principal axes: T 5.6100,Plg72.0000° ,Azm136.0000°; N 0.0000,Plg11.0000°,Azm10.0000°; P -5.6100,Plg14.0000°,Azm277.0000° $M_0$5.60000×10^{16}

(316) Bangladesh

ISC	**VII**	**26 18 51 51.1–.92**	**24.74N–.02**	**90.51E–.02**	**18–5**	**4.8b,4.0s**	**628**	**1-158**
DMN	VII	26 18 51 38.6–.64	23.85N	90.70E	10–0	7.0b,4.0s		**¶11153787**
IDC	VII	26 18 51 48.9–.47	24.87N	90.52E	0	4.8L,4.7		
BJI	VII	26 18 51 49.9	24.96N	90.55E	19	4.8b,4.7L		
ISCJB	VII	26 18 51 49.4–.67	24.75N–.02	90.50E–.02	21–4	4.8b,4.0s		
LDG	VII	26 18 51 49.8–.19	24.90N	90.09E	10–0	4.9b,3.8s		
NEIC	VII	26 18 51 51.0–1.2	24.79N	90.54E	18–7	4.8b,4.1s		
MOS	VII	26 18 51 50.3–.84	24.75N	90.51E	27	5.0b,4.0s		
SZGRF	VII	26 18 51 57.8	24.73N	89.62E	33	5.2b,4.2s		
BGS	VII	26 18 52 19.4–1.7	25.69N	88.80E	33–0	4.7b,4.2s		

ISC Event type de.
DMN Event type ke. Error ellipse: s-maj=18.6km s-min=11.6km az=69.0.
IDC Error ellipse: s-maj=16.9km s-min=11.5km az=41.0.
ISCJB Event type de. Error ellipse: s-maj=4.1km s-min=2.8km az=2.4.
LDG Event type ke. Error ellipse: s-maj=9.4km s-min=7.2km az=179.0.
NEIC Event type de. Error ellipse: s-maj=4.7km s-min=2.8km az=213.0. At least 25 people injured at Dhaka. Felt [IV] at Dhaka. Felt at Maimansingh. Also felt at Agartala, India.
MOS Error ellipse: s-maj=7.4km s-min=3.4km az=127.7.
SZGRF Bangladesh.
BGS Error ellipse: s-maj=890.8km s-min=931.7km az=-1.0.

(406) Central Mid-Atlantic Ridge

ISC	**VII**	**27 21 15 42.2–.52**	**0.25S–.02**	**18.30W–.02**	**16–3**	**5.7b,5.3s**	**1633**	**15-157**
BGS	VII	27 21 15 24.2–1.2	2.58S	18.39W	10–0	5.7b,5.6b		**¶12951679**
ISCJB	VII	27 21 15 38.1–.45	0.21S–.02	18.24W–.02	0–2	5.8b,5.3s		
MOS	VII	27 21 15 39.7–.90	0.18S	18.23W	10	6.1b,5.3s		
IDC	VII	27 21 15 40.0–.44	0.15S	18.28W	0	5.4s,5.4		
BJI	VII	27 21 15 40.4	0.09S	18.51W	22	5.9b,5.8s		
NEIC	VII	27 21 15 42.4–.12	0.25S	18.29W	17	6.5,5.8b		
GCMT	VII	27 21 15 47.7–.10	0.01S	18.16W	23–0	5.9W,5.8b		
SZGRF	VII	27 21 15 54.9	0.83N	16.93W	33	6.0b,5.3s		

ISC Event type se.
BGS Error ellipse: s-maj=157.2km s-min=97.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=154.2.
MOS Error ellipse: s-maj=6.4km s-min=2.8km az=67.0.
IDC Error ellipse: s-maj=13.2km s-min=11.5km az=139.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=1.9km az=154.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s97 Moment tensor: Scale 10^{17}Nm; M_{rr}0.08 $M_{\theta\theta}$2.40 $M_{\phi\phi}$-2.48 $M_{r\theta}$0.83 $M_{\theta\phi}$-4.75 $M_{\phi r}$-1.54 Best double couple: NP1:ϕ_s167.00000°,δ86.00000°,λ17.00000°. NP2: ϕ_s76.00000°,δ73.00000°,λ176.00000°. Principal axes: T 5.7100,Plg15.0000°,Azm32.0000° ; N -0.1800,Plg72.0000°,Azm179.0000°; P -5.5200,Plg9.0000°,Azm300.0000° $M_0$5.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=237, per= 50. Moment Tensor Solution. s94,c199; s76,c101; Moment tensor: Scale 10^{17}Nm; M_{rr}0.07±.07 $M_{\theta\theta}$3.11±.06; $M_{\phi\phi}$-3.18±.07; $M_{r\theta}$0.77±.11; $M_{\theta\phi}$-7.28±.06; $M_{\phi r}$-0.98±.11; Best double couple: NP1:ϕ_s78.00000°,δ82.00000°,λ176.00000°. NP2:ϕ_s169.00000°,δ86.00000°,λ8.00000°. Principal axes: T 8.0700,Plg8.0000°,Azm34.0000°; N -0.0800,Plg81.0000°,Azm195.0000° ; P -7.9900,Plg3.0000°,Azm303.0000° $M_0$8.00000×10^{17}
SZGRF North of Ascension Island.

(175) South of Tonga Islands

ISC	**VII**	**28 03 43 02.2–1.4**	**24.80S–.06**	**176.03W–.05**	**47–12**	**5.0s,4.9b**	**282**	**9-164**
IDC	VII	28 03 42 55.4–.56	24.60S	176.03W	0	4.8s,4.8		**¶11153852**
ISCJB	VII	28 03 42 59.3–1.7	24.79S–.06	176.06W–.05	36–15	5.0s,4.9b		
GCMT	VII	28 03 43 01.1–.20	24.71S	175.42W	22–0	5.3W,4.9b		
BJI	VII	28 03 43 01.5	24.57S	175.97W	49	5.6b,5.3b		
MOS	VII	28 03 43 02.9–1.5	24.60S	176.23W	59	5.2b,4.9s		
NEIC	VII	28 03 43 03.5–1.5	24.77S	176.13W	58–13	4.9b,4.9s		

ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=16.2km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.4km az=156.2.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s66,c108; s89,c155; Moment tensor: Scale 10^{17}Nm; M_{rr}1.00±.03 $M_{\theta\theta}$-0.04±.02; $M_{\phi\phi}$-0.96±.02; $M_{r\theta}$0.29±.03; $M_{\theta\phi}$-0.20±.01; $M_{\phi r}$0.73±.03; Best double couple: NP1:ϕ_s186.00000°,δ26.00000°,λ79.00000°. NP2:ϕ_s18.00000°,δ64.00000°,λ95.00000°. Principal axes: T 1.2800,Plg70.0000° ,Azm299.0000°; N -0.0100,Plg5.0000°,Azm195.0000°; P -1.2600,Plg19.0000° ,Azm104.0000° $M_0$1.30000×10^{17}
MOS Error ellipse: s-maj=12.7km s-min=11.1km az=133.2.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.3km az=132.0.

(183) Santa Cruz Islands region

ISC	**VII**	**28 21 37 33.5–1.5**	**10.60S–.03**	**163.17E–.02**	**14–9**	**5.8s,5.5b**	**443**	**3-155**
DJA	VII	28 21 37 30	10.91S	164.05E	33	5.5b,5.5b		**¶11153887**
NEIC	VII	28 21 37 32.6–.13	10.61S	163.16E	10	6.1s,5.7b		
IDC	VII	28 21 37 33.0–.66	10.56S	163.30E	18–3	5.6s,5.6		
ISCJB	VII	28 21 37 34.7–.13	10.61S–.03	163.11E–.02	33	5.8s,5.5b		
MOS	VII	28 21 37 36.4–1.1	10.41S	163.11E	41	5.8s,5.8b		
GCMT	VII	28 21 37 36.2–.10	10.50S	163.37E	18–0	5.9W,5.8b		
BJI	VII	28 21 37 41.3	9.93S	163.25E	68	5.9s,5.8b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=160.0.
IDC Error ellipse: s-maj=22.4km s-min=16.1km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=165.9.
MOS Error ellipse: s-maj=7.2km s-min=6.9km az=79.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=101, comp=208, per= 50. Moment Tensor Solution. s91,c186; s68,c97; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.07±.10 $M_{\theta\theta}$3.56±.11; $M_{\phi\phi}$-1.49±.12; $M_{r\theta}$0.66±.25; $M_{\theta\phi}$8.22±.10; $M_{\phi r}$-1.51±.26; Best double couple: NP1:ϕ_s278.00000°,δ78.00000°,λ-10.00000°. NP2:ϕ_s10.00000°,δ81.00000°,λ-168.00000°. Principal axes: T 9.6500,Plg2.0000°,Azm143.0000°; N -1.6500,Plg75.0000°,Azm47.0000° ; P -8.0000,Plg15.0000°,Azm234.0000° $M_0$8.80000×10^{17}

(193) Bougainville - Solomon Islands region

ISC	**VII**	**28 21 40 47.9–.92**	**10.62S–.03**	**163.13E–.02**	**12–5**	**5.8s,5.7b**	**448**	**3-167**
IDC	VII	28 21 40 44.8–.46	10.50S	163.31E	0	5.8s,5.8		**¶11153889**
NEIC	VII	28 21 40 47.4–.13	10.58S	163.10E	10	5.9b,5.8s		
GCMT	VII	28 21 40 49.2–.10	10.50S	163.43E	17–0	6.0W,5.8s		
ISCJB	VII	28 21 40 49.4–.13	10.67S–.03	163.08E–.02	33	5.8s,5.7b		
BJI	VII	28 21 40 49.2	10.52S	164.03E	54	6.1b,5.9s		
MOS	VII	28 21 40 51.5–1.3	10.50S	163.09E	47	5.8s,5.6b		
SZGRF	VII	28 21 40 55.7	10.53S	161.14E	33	5.8s,5.6b		
DJA	VII	28 21 41 24	10.62S	161.69E	268	5.4b,5.6b		

ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=14.0km az=89.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.9km az=157.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta=107, comp=230, per= 50. Moment Tensor Solution. s88,c181; s84,c125; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s293.00000° ,δ74.00000°,λ-11.00000°. NP2:ϕ_s26.00000°,δ79.00000°,λ-164.00000°. Principal axes: T 1.1500,Plg3.0000°,Azm159.0000°; N -0.1400,Plg71.0000°,Azm59.0000° ; P -1.0200,Plg19.0000°,Azm250.0000° $M_0$1.10000×10^{18}
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.8km az=174.7.
MOS Error ellipse: s-maj=6.9km s-min=6.6km az=80.0.
SZGRF Bougainville - Solomon Islands region.

(48) Baja California

ISC	**VII**	**29 18 42 16.1–.11**	**33.83N–.01**	**117.87W–.01**	**16**	**5.3b,5.3s**	**1221**	**0-153**
BGS	VII	29 18 42 09.6–2.7	31.81N	115.73W	15–0	5.6s,5.2b		**¶12951737**
BJI	VII	29 18 42 11.6	33.97N	117.90W	3	5.7b,5.4s		
ECX	VII	29 18 42 13.0–.78	34.00N	117.82W	7–0	5.7L,5.5		
ISCJB	VII	29 18 42 14.6–.10	33.859N–.01	117.81W–.01	15	5.3b,5.3s		
NEIC	VII	29 18 42 15.7	33.95N	117.76W	15	5.5s,5.5b		
IDC	VII	29 18 42 16.0–.54	33.94N	117.82W	15–2	5.1s,5.1		
MOS	VII	29 18 42 15.0–.83	33.95N	117.85W	18	5.6b,5.4s		
SZGRF	VII	29 18 42 16.0	34.01N	118.75W	16	5.6s,5.3b		
DJA	VII	29 18 42 18	34.50N	118.29W	10	5.7b,5.3b		
GCMT	VII	29 18 42 19.5–.20	33.93N	117.84W	20	5.5W,5.3b		

ISC Event type de.
BGS Error ellipse: s-maj=915.4km s-min=999.9km az=-1.0.
ECX Error ellipse: s-maj=8.5km s-min=11.8km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=1.5km s-min=1.1km az=34.4.

NEIC Event type de. Three people injured at Brea and five people injured in the Wilshire District of Los Angeles. Minor damage to windows and brick walls at Los Angeles and Topanga. Felt [VI] at Anaheim, Artesia, Brea, Chino, Chino Hills, Covina, Diamond Bar, Fullerton, La Puente, Los Alamitos, Montclair, Pomona, Placentia, San Dimas, Walnut, West Covina, Whittier and Yorba Linda; [V] at Alhambra, Azusa, Baldwin Park, Bell, Bellflower, Buena Park, Canoga Park, Cerritos, Claremont, Corona, Cypress, Downey, El Monte, Garden Grove, Glendora, Hacienda Heights, Hawaiian Gardens, La Habra, Lakewood, La Mirada, La Palma, La Verne, Lynwood, Maywood, Mira Loma, Montrose, Mount Baldy, North Hollywood, Northridge, Norwalk, Ontario, Panorama City, Paramount, Pico Rivera, Rancho Cucamonga, Reseda, Rosemead, Rowland Heights, San Gabriel, Santa Fe Springs, Seal Beach, South El Monte, South Gate, South Pasadena, Stanton, Upland, Villa Park, Winnetka and Woodland Hills. Felt [IV] in much of the surrounding Los Angeles basin and in much of southern California. Felt [III] at Las Vegas and [II] at North Las Vegas and Pahrump, Nevada. Also felt at Henderson. Felt at Bullhead City, Flagstaff, Kingman, Mesa, Phoenix and Yuma, Arizona. Also felt at Tijuana, Baja California. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After PAS. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s295.00000°,δ67.00000°,λ110.00000°. NP2: ϕ_s72.00000°,δ30.00000°,λ51.00000°. Principal axes: T Plg63.0000°,Azm237.0000° ; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm10.0000° Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s286.00000°,δ72.00000°,λ137.00000°. NP2:ϕ_s32.00000° ,δ50.00000°,λ24.00000°. Principal axes: T 1.4000,Plg42.0000°,Azm240.0000° ; N -0.1700,Plg44.0000°,Azm87.0000°; P -1.2200,Plg13.0000°,Azm343.0000° $M_0$1.30000×10^{17} Moment Tensor Solution. $M_0$1.50000×10^{17} Moment Tensor Solution. $M_0$1.30000×10^{17}

IDC Error ellipse: s-maj=15.2km s-min=8.3km az=52.0.
MOS Error ellipse: s-maj=5.1km s-min=3.3km az=73.3.
SZGRF Southern California, United States.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 94, comp=193, per= 50. Moment Tensor Solution. s73,c137; s18,c22; Moment tensor: Scale 10^{17}Nm; M_{rr}0.92±.03 $M_{\theta\theta}$-1.87±.03; $M_{\phi\phi}$0.95±.03; $M_{r\theta}$-0.49±.05; $M_{\theta\phi}$-0.51±.02; $M_{\phi r}$0.84±.05; Best double couple: NP1:ϕ_s44.00000°,δ55.00000°,λ29.00000°. NP2:ϕ_s296.00000°,δ67.00000°,λ141.00000°. Principal axes: T 1.9100,Plg43.0000°,Azm255.0000°; N 0.1000,Plg46.0000°,Azm90.0000° ; P -2.0000,Plg7.0000°,Azm352.0000° $M_0$2.00000×10^{17}

(190) New Ireland region

ISC	**VII**	**29 18 54 40.7–.79**	**2.72S–.03**	**152.60E–.03**	**47–7**	**5.5b,4.9s**	**337**	**9-157**
BJI	VII	29 18 54 32.8	2.44S	152.92E	7	5.4b,5.3b		¶11153939
IDC	VII	29 18 54 33.7–.41	2.71S	152.47E	0	5.3L,5.2		
NEIC	VII	29 18 54 35.2–.16	2.67S	152.66E	10	5.5b,5.2W		
ISCJB	VII	29 18 54 37.6–.93	2.74S–.03	152.61E–.03	37–8	5.5b,4.9s		
MOS	VII	29 18 54 38.4–.95	2.55S	152.55E	33	5.5b,5.0s		
GCMT	VII	29 18 54 42.0–.20	2.65S	152.71E	31–0	5.3W,5.0s		
DJA	VII	29 18 54 46	2.81S	152.53E	97	5.7W,5.0s		

ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=12.0km az=73.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.8km az=96.0. Moment Tensor Solution. s18 Moment tensor: Scale 10^{16}Nm; M_{rr}2.84 $M_{\theta\theta}$0.65 $M_{\phi\phi}$-3.50 $M_{r\theta}$0.68 $M_{\theta\phi}$-1.67 $M_{\phi r}$6.10 Best double couple: NP1:ϕ_s7.00000°,δ76.00000°,λ81.00000°. NP2:ϕ_s220.00000°,δ17.00000° ,λ122.00000°. Principal axes: T 6.5600,Plg58.0000°,Azm264.0000°; N 1.0200,Plg8.0000° ,Azm8.0000°; P -7.5900,Plg30.0000°,Azm104.0000° $M_0$7.10000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=5.3km az=179.2.
MOS Error ellipse: s-maj=10.7km s-min=6.4km az=106.8.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s69,c106; s89,c148; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s147.00000°,δ19.00000°,λ73.00000°. NP2:ϕ_s345.00000° ,δ71.00000°,λ96.00000°. Principal axes: T 1.2600,Plg63.0000°,Azm265.0000° ; N -0.1200,Plg6.0000°,Azm163.0000°; P -1.1400,Plg26.0000°,Azm71.0000° $M_0$1.20000×10^{17}

(684) Southern East Pacific Rise

ISC	**VII**	**29 20 56 23.5–.22**	**54.81S–.05**	**118.8W–.10**	**10**	**5.3s,5.3b**	**371**	**28-178**
IDC	VII	29 20 56 20.8–.38	54.60S	119.02W	0	5.3s,5.3		¶11153946
ISCJB	VII	29 20 56 21.8–.22	54.86S–.05	118.8W–.10	10	5.3s,5.3b		
MOS	VII	29 20 56 22.0–1.8	54.67S	118.72W	10	5.7b,5.3s		
NEIC	VII	29 20 56 22.4–.20	54.73S	118.78W	10	5.8W,5.5b		
GCMT	VII	29 20 56 28.5–.10	54.76S	118.95W	15–0	5.7W,5.5b		

ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=13.9km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.7km az=14.8.
MOS Error ellipse: s-maj=24.8km s-min=10.9km az=77.3.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.2km az=116.0. Moment Tensor Solution. s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74 $M_{\theta\theta}$2.68 $M_{\phi\phi}$-1.94 $M_{r\theta}$-0.13 $M_{\theta\phi}$4.90 $M_{\phi r}$0.27 Best double couple: NP1:ϕ_s103.00000°,δ87.00000°,λ-3.00000°. NP2:ϕ_s193.00000° ,δ87.00000°,λ-177.00000°. Principal axes: T 5.7900,Plg0.0000°,Azm327.0000° ; N -0.7200,Plg85.0000°,Azm233.0000°; P -5.0700,Plg4.0000°,Azm57.0000° $M_0$5.50000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=214, per= 50. Moment Tensor Solution. s94,c189; s63,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32±.04 $M_{\theta\theta}$2.13±.05; $M_{\phi\phi}$-1.81±.04; $M_{r\theta}$-0.29±.13; $M_{\theta\phi}$4.16±.04; $M_{\phi r}$0.30±.12; Best double couple: NP1:ϕ_s193.00000°,δ85.00000°,λ-177.00000°. NP2:ϕ_s103.00000°,δ87.00000°,λ-5.00000°. Principal axes: T 4.7600,Plg1.0000°,Azm148.0000°; N -0.2800,Plg84.0000°,Azm247.0000° ; P -4.4800,Plg6.0000°,Azm58.0000° $M_0$4.60000×10^{17}

(60) Oaxaca

ISC	**VII**	**30 10 23 35.2–.19**	**16.30N–.03**	**95.71W–.02**	**43**	**5.2b,4.7s**	**1000**	**1-153**
ISCJB	VII	30 10 23 33.3–.19	16.31N–.03	95.75W–.02	41	5.2b,4.7s		¶11153972
SZGRF	VII	30 10 23 33.4	16.02N	95.72W	33	5.2b,4.8s		
MEX	VII	30 10 23 33.8–.48	15.97N	96.10W	49–5	5.1,4.8s		
IDC	VII	30 10 23 33.5–.46	16.16N	95.86W	39–3	4.8,4.8		
NEIC	VII	30 10 23 33.9	15.98N	96.10W	50	5.3b,4.7s		
MOS	VII	30 10 23 33.9–.90	16.34N	95.78W	48	5.5b,4.6s		
GCMT	VII	30 10 23 35.0–.20	16.30N	96.04W	36–0	5.3W,4.6s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=1.9km az=28.8.
SZGRF Oaxaca, Mexico.
MEX Error ellipse: s-maj=4.5km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=15.2km s-min=10.5km az=79.0.
NEIC Event type fe. Felt at Huatulco and Oaxaca. After MEX.
MOS Error ellipse: s-maj=6.5km s-min=3.9km az=88.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s84,c135; s83,c147; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s347.00000°,δ39.00000°,λ-42.00000°. NP2:ϕ_s112.00000° ,δ65.00000°,λ-121.00000°. Principal axes: T 1.1800,Plg15.0000°,Azm224.0000° ; N -0.1400,Plg28.0000°,Azm126.0000°; P -1.0400,Plg58.0000°,Azm339.0000° $M_0$1.10000×10^{17}

(248) Philippine Islands region

ISC	**VIII**	**01 02 21 37.5–.30**	**13.59N–.02**	**118.71E–.02**	**36–3**	**5.0b,4.6s**	**419**	**2-173**
IDC	VIII	01 02 21 32.0–.49	13.57N	118.65E	0	4.8L,4.7b		¶11154055
MAN	VIII	01 02 21 33	13.49N	118.58E	37	5.6b,5.0s		
ISCJB	VIII	01 02 21 35.5–.69	13.60N–.02	118.70E–.02	33–5	5.0b,4.6s		
GCMT	VIII	01 02 21 36.7–.10	13.62N	118.66E	18–0	5.4W,4.6s		
DJA	VIII	01 02 21 36	13.85N	118.87E	30	5.1b,4.6s		
MOS	VIII	01 02 21 36.1–.98	13.66N	118.63E	33	5.3b,4.8s		
NEIC	VIII	01 02 21 40.8–.74	13.66N	118.63E	62–6	5.0b,4.8s		
BJI	VIII	01 02 21 42.6	14.05N	118.67E	70	5.1b,4.9s		

ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=12.8km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.2km az=1.4.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 105 sta. Moment Tensor Solution. s72,c131; s99,c196; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.50±.02 $M_{\theta\theta}$-0.53±.02; $M_{\phi\phi}$1.03±.02; $M_{r\theta}$-0.46±.05; $M_{\theta\phi}$-1.02±.02; $M_{\phi r}$-0.38±.05; Best double couple: NP1: ϕ_s113.00000°,δ64.00000°,λ-158.00000°. NP2:ϕ_s14.00000°,δ71.00000°,λ-27.00000°. Principal axes: T 1.5500,Plg4.0000°,Azm65.0000°; N -0.1400,Plg57.0000°,Azm161.0000° ; P -1.4100,Plg33.0000°,Azm332.0000° $M_0$1.50000×10^{17}
MOS Error ellipse: s-maj=9.0km s-min=4.8km az=123.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.4km az=70.0.

(307) Sichuan

ISC	**VIII**	**01 08 32 43.8–.51**	**32.08N–.01**	**104.73E–.01**	**10–3**	**5.8b,5.8s**	**1518**	**1-175**
ISCJB	VIII	01 08 32 40.5–.50	32.06N–.01	104.68E–.01	1–3	5.9b,5.8s		¶11154064
BJI	VIII	01 08 32 41.6	32.02N	104.85E	14	6.2s,6.1b		
IDC	VIII	01 08 32 41.2–.37	32.06N	104.79E	0	5.6,5.5b		
SZGRF	VIII	01 08 32 43.7	31.90N	104.52E	33	6.6s,6.2b		
NEIC	VIII	01 08 32 43.6–.08	32.03N	104.72E	11	6.1,5.9b		
IGIL	VIII	01 08 32 43.9	32.04N	104.74E	10	6.0s,5.9b		
MOS	VIII	01 08 32 43.6–.87	31.93N	104.85E	33	6.1b,6.0s		
DJA	VIII	01 08 32 46	31.99N	104.61E	25	6.6W,6.0s		
GCMT	VIII	01 08 32 47.8–.10	32.04N	104.72E	21–0	5.7W,6.0s		
BGS	VIII	01 08 32 55.3–1.4	32.78N	101.69E	10–0	6.1s,5.5b		

ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=2.0km az=22.8.
IDC Error ellipse: s-maj=13.0km s-min=9.7km az=48.0.
SZGRF Sichuan, China.
NEIC Event type de. Error ellipse: s-maj=2.5km s-min=1.8km az=204.0. At least 231 people injured, 540 houses destroyed and 2,450 houses damaged in Beichuan and Pingwu. Several landslides and rockfalls blocked roads in Pingwu. Cellular phone service interrupted in Beichuan. Felt [V] at Mianyang; [III] at Chengdu and Chongqing; [II] at Xi'an. Also felt at Ankang, Baoji, Daxian, Deyang, Fuling, Guangyuan, Hanzhong, Jiangyou, Lanzhou, Leshan, Luzhou, Nanchong, Nanlong, Tianshui, Ya'an, Yanliang and Yibin. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s225.00000°,δ75.00000° ,λ90.00000°. NP2:ϕ_s45.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000° ,Azm135.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm315.0000° Moment Tensor Solution. s70 Moment tensor: Scale 10^{17}Nm; M_{rr}3.15 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-3.20 $M_{r\theta}$-3.13 $M_{\theta\phi}$-0.64 $M_{\phi r}$-1.98 Best double couple: NP1:ϕ_s352.00000°,δ29.00000°,λ44.00000°. NP2:ϕ_s221.00000° ,δ70.00000°,λ112.00000°. Principal axes: T 5.3100,Plg58.0000°,Azm161.0000° ; N -0.9200,Plg20.0000°,Azm33.0000°; P -4.4000,Plg22.0000°,Azm294.0000° $M_0$4.90000×10^{17}
MOS Error ellipse: s-maj=7.5km s-min=5.4km az=96.1.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 94, comp=189, per= 50. Moment Tensor Solution. s86,c161; s37,c39; Moment tensor: Scale 10^{17}Nm; M_{rr}2.71±.05 $M_{\theta\theta}$0.44±.04; $M_{\phi\phi}$-3.15±.04; $M_{r\theta}$-1.76±.08; $M_{\theta\phi}$-1.03±.03; $M_{\phi r}$-2.04±.09; Best double couple: NP1:ϕ_s354.00000°,δ29.00000°,λ54.00000°. NP2:ϕ_s213.00000°,δ67.00000°,λ108.00000°. Principal axes: T 3.9400,Plg64.0000°,Azm153.0000°; N 0.3600,Plg16.0000°,Azm26.0000° ; P -4.3000,Plg20.0000°,Azm290.0000° $M_0$4.10000×10^{17}
BGS Error ellipse: s-maj=271.9km s-min=402.7km az=-1.0.

(221) Kuril Islands

ISC	**VIII**	**02 00 17 07.9–.67**	**46.81N–.06**	**152.95E–.07**	**51–5**	**4.4b,3.5s**	**157**	**4-149**
NIED	VIII	02 00 17 00	46.80N	153.20E	11	4.1W,3.5s		¶11308373
JMA	VIII	02 00 17 04.4–.70	46.77N	153.20E	30	4.8,3.5s		
ISCJB	VIII	02 00 17 05.4–.78	46.77N–.06	152.96E–.07	47–6	4.4b,3.5s		
SKHL	VIII	02 00 17 06.1–1.4	46.55N	153.27E	92–18	5.7s,5.0b		
MOS	VIII	02 00 17 08.0–1.0	46.77N	152.87E	73	4.5b,5.0b		
IDC	VIII	02 00 17 10.8–6.2	47.01N	152.82E	76–55	3.9,3.9		
NEIC	VIII	02 00 17 11.9–1.2	47.03N	152.86E	84–11	4.2b,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s324.00000°,δ73.00000°,λ55.00000°. NP2:ϕ_s212.00000°,δ39.00000°,λ153.00000°. $M_0$1.37000×10^{15}
JMA Error ellipse: s-maj=11.1km s-min=9.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=5.0km az=145.6.
MOS Error ellipse: s-maj=10.8km s-min=8.3km az=80.9.
IDC Error ellipse: s-maj=22.9km s-min=15.1km az=165.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.0km az=169.0.

(365) Aegean Sea

ISC	**VIII**	**03 00 39 16.6–.28**	**39.585N–.01**	**23.852E–.01**	**9–1**	**5.0b,4.9s**	**1803**	**0-131**
BJI	VIII	03 00 39 10.3	39.55N	23.16E	5	5.4b,5.1s		¶13390744
ISCJB	VIII	03 00 39 14.9–.30	39.619N–.01	23.865E–.01	7–2	5.0b,4.9s		
IDC	VIII	03 00 39 15.5–.50	39.63N	23.80E	0	4.7,4.7		
ATH	VIII	03 00 39 16.1	39.59N	23.90E	30–1	5.3L,4.7		
PDG	VIII	03 00 39 16.2–.49	39.62N	23.88E	18–1	4.6,4.5L		
THE	VIII	03 00 39 16.5	39.58N	23.87E	10–1	4.9L,4.5L		
NEIC	VIII	03 00 39 16.9–.13	39.61N	23.85E	10	5.3W,5.3L		
CSEM	VIII	03 00 39 16.0–.05	39.60N	23.86E	5	5.3W,5.1b		
IGIL	VIII	03 00 39 17.9	39.59N	23.92E	5	5.5b,5.1b		
MOS	VIII	03 00 39 18.2–1.2	39.67N	23.82E	33	5.1b,4.7s		
GCMT	VIII	03 00 39 19.6–.20	39.54N	23.76E	12	5.3W,4.7s		
DDA	VIII	03 00 39 20.2	39.67N	24.48E	18–3	5.0L,4.7s		
BGS	VIII	03 00 39 26.3–1.8	40.80N	23.45E	10–0	5.0s,4.8b		
DJA	VIII	03 00 40 02	40.19N	23.54E	463	4.7b,4.8b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=14.6.
IDC Error ellipse: s-maj=10.1km s-min=9.2km az=42.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=251.0.
NEIC Event type fe. Error ellipse: s-maj=2.2km s-min=2.1km az=154.0. 5.2 [THE]. Felt at Thessaloniki and Volos.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=21.0.
MOS Error ellipse: s-maj=3.2km s-min=2.1km az=100.6.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 93, comp=179, per= 50. Moment Tensor Solution. s51,c79; s9,c9; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.69±.15 $M_{\theta\theta}$6.50±.14; $M_{\phi\phi}$-0.81±.15; $M_{r\theta}$0.56±.36; $M_{\theta\phi}$-6.23±.12; $M_{\phi r}$3.84±.43; Best double couple: NP1:ϕ_s267.00000°,δ52.00000°,λ-143.00000°. NP2:ϕ_s152.00000°,δ61.00000°,λ-44.00000°. Principal axes: T 10.2000,Plg5.0000°,Azm211.0000°; N -1.4000,Plg39.0000°,Azm306.0000° ; P -8.8000,Plg50.0000°,Azm115.0000° $M_0$9.50000×10^{16}
BGS Error ellipse: s-maj=81.3km s-min=59.5km az=-1.0.

(192) New Britain region

ISC	**VIII**	**04 15 16 53.9–.13**	**5.14S–.03**	**151.84E–.03**	**47**	**5.1b,4.7s**	**393**	**6-149**
BJI	VIII	04 15 16 49.7	5.25S	152.18E	48	5.2b,4.9s		¶11154164
MOS	VIII	04 15 16 50.2–1.3	4.97S	151.76E	33	5.3b,4.9s		
ISCJB	VIII	04 15 16 52.2–.13	5.12S–.03	151.77E–.03	45	5.1b,4.7s		
IDC	VIII	04 15 16 53.5–.52	5.16S	151.91E	51–3	4.6s,4.6		
NEIC	VIII	04 15 16 53.2–.14	5.06S	151.80E	45	5.5W,5.2b		
DJA	VIII	04 15 16 56	5.54S	152.26E	55	5.6b,5.2b		
GCMT	VIII	04 15 16 57.8–.10	5.43S	151.98E	51–0	5.4W,5.2b		

ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=7.6km az=81.2.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.5km az=158.2.
IDC Error ellipse: s-maj=16.4km s-min=10.2km az=106.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=118.0. Moment Tensor Solution. s47 Moment tensor: Scale 10^{17}Nm; M_{rr}2.19 $M_{\theta\theta}$-1.57 $M_{\phi\phi}$-0.63 $M_{r\theta}$0.54 $M_{\theta\phi}$-0.49 $M_{\phi r}$-0.07 Best double couple: NP1:ϕ_s242.00000°,δ39.00000°,λ81.00000°. NP2:ϕ_s73.00000° ,δ52.00000°,λ97.00000°. Principal axes: T 2.2700,Plg81.0000°,Azm18.0000° ; N -0.4500,Plg5.0000°,Azm248.0000°; P -1.8300,Plg6.0000°,Azm158.0000° $M_0$2.10000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s95,c173; s94,c178; Moment tensor: Scale 10^{17}Nm; M_{rr}1.57±.03 $M_{\theta\theta}$-1.65±.02; $M_{\phi\phi}$0.08±.02; $M_{r\theta}$0.31±.02; $M_{\theta\phi}$-0.65±.02; $M_{\phi r}$-0.31±.02; Best double couple: NP1:ϕ_s236.00000°,δ44.00000°,λ67.00000°. NP2:ϕ_s87.00000°,δ50.00000°,λ110.00000°. Principal axes: T 1.6900,Plg74.0000° ,Azm61.0000°; N 0.1900,Plg16.0000°,Azm253.0000°; P -1.8800,Plg3.0000°,Azm162.0000° $M_0$1.80000×10^{17}

(370) Crete

ISC	**VIII**	**04 19 38 25.4–.08**	**34.042N–.01**	**26.611E–.01**	**35**	**5.4b,4.5s**	**2322**	**1-151**
SZGRF	VIII	04 19 38 17.6	33.78N	27.07E	10	5.4b,4.5s		¶13390857
BGS	VIII	04 19 38 18.3–1.3	33.57N	27.38E	33–0	5.4b,4.5s		
PDG	VIII	04 19 38 19.4–.23	33.26N	24.25E	10–11	5.4L,5.4		
BJI	VIII	04 19 38 22.4	34.07N	26.22E	37	5.5b,5.3b		
ATH	VIII	04 19 38 22.8	33.89N	26.56E	32–8	5.0L,5.3b		
ISCJB	VIII	04 19 38 23.3–.09	34.07N–.01	26.628E–.01	33	5.4b,4.5s		
MOS	VIII	04 19 38 24.5–1.0	34.19N	26.49E	33	5.6b,4.3s		
CSEM	VIII	04 19 38 24.8–.06	34.04N	26.64E	32	5.4b,5.0W		
NEIC	VIII	04 19 38 25.3–.17	34.10N	26.58E	30	5.3b,5.2W		
IGIL	VIII	04 19 38 25.1	34.16N	26.55E	30	5.4b,5.2W		
SFS	VIII	04 19 38 26.0	34.18N	26.64E	30	5.4L,5.2W		
NIC	VIII	04 19 38 27.0–.20	34.21N	26.72E	30	5.2b,4.9L		
GCMT	VIII	04 19 38 27.6–.20	33.97N	26.68E	20–0	5.3W,4.9L		
THE	VIII	04 19 38 27.5	34.06N	26.51E	52–3	4.7L,4.9L		
IDC	VIII	04 19 38 27.4–1.1	34.26N	26.58E	42–8	5.0,5.0L		
HLW	VIII	04 19 38 28.5	33.75N	26.97E	70–31	5.2L,5.0L		
GII	VIII	04 19 38 30.4–.00	33.98N	27.22E	30–1	5.0b,5.0		
DJA	VIII	04 19 38 38	33.79N	27.24E	114	5.5b,5.0		
NSSC	VIII	04 19 38 51	34.25N	29.11E	40	5.5b,5.0		

ISC Event type fe.
SZGRF Eastern Mediterranean Sea.
BGS Error ellipse: s-maj=385.0km s-min=272.6km az=-1.0.

PDG Event type ke. Error ellipse: s-maj=636.1km s-min=317.3km az=90.0.
ATH Error ellipse: s-maj=7.2km s-min=2.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.1km az=22.5.
MOS Error ellipse: s-maj=4.3km s-min=1.8km az=110.9.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=32.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.2km az=204.0. Moment Tensor Solution. s23 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.26 $M_{\theta\theta}$6.44 $M_{\phi\phi}$-2.18 $M_{r\theta}$3.28 $M_{\theta\phi}$2.10 $M_{\phi r}$4.46 Best double couple: NP1:ϕ_s227.00000°,δ71.00000°,λ-121.00000°. NP2:ϕ_s109.00000° ,δ36.00000°,λ-34.00000°. Principal axes: T 8.4500,Plg19.0000°,Azm340.0000° ; N -0.5300,Plg29.0000°,Azm238.0000°; P -7.9200,Plg53.0000°,Azm99.0000° M_o8.20000×10^{16}
SFS Event type ke.
NIC Moment Tensor Solution. M_o2.20000×10^{15}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s64,c95; s83,c137; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s117.00000°,δ46.00000°,λ-18.00000°. NP2:ϕ_s220.00000° ,δ77.00000°,λ-134.00000°. Principal axes: T 1.2000,Plg19.0000°,Azm342.0000° ; N 0.1100,Plg43.0000°,Azm232.0000°; P -1.3200,Plg41.0000°,Azm89.0000° M_o1.30000×10^{17}
THE Event type ke. Error ellipse: s-maj=4.0km s-min=1.8km az=93.0.
IDC Error ellipse: s-maj=10.6km s-min=8.8km az=134.0.
GII Event type ke.
NSSC Event type fe.

(307) Sichuan

ISC	**VIII**	**05 09 49 18.4–.07**	**32.81N–.01**	**105.50E–.01**	**11**	**6.0s,5.8b**	**1478**	**2-175**
BJI	VIII	05 09 49 15.8	32.72N	105.61E	13	6.5s,6.3b		¶12099692
IDC	VIII	05 09 49 16.1–.37	32.84N	105.60E	0	5.9s,5.9		
ISCJB	VIII	05 09 49 16.6–.07	32.77N–.01	105.44E–.01	10	6.0s,5.8b		
NEIC	VIII	05 09 49 17.3–.11	32.76N	105.49E	6	6.1,6.0s		
MOS	VIII	05 09 49 18.6–.97	32.74N	105.62E	33	6.1b,6.0s		
IGIL	VIII	05 09 49 18.0	32.74N	105.51E	10	5.9s,6.0s		
TEH	VIII	05 09 49 18.0	32.81N	105.56E	10	5.9s,6.0s		
SZGRF	VIII	05 09 49 19.7	32.85N	105.06E	11	6.3b,6.2s		
GCMT	VIII	05 09 49 20.4–.10	32.69N	105.57E	12	6.0W,6.2s		
DJA	VIII	05 09 49 24	32.75N	105.50E	53	6.5W,6.2s		
BGS	VIII	05 09 49 45.5–1.6	35.08N	99.74E	10–0	6.1s,5.5b		

ISC Event type de.
IDC Error ellipse: s-maj=13.6km s-min=9.1km az=36.0.
ISCJB Event type de. Error ellipse: s-maj=1.9km s-min=1.7km az=32.4.
NEIC Event type de. Error ellipse: s-maj=3.6km s-min=2.5km az=24.0. Four people killed, 29 injured, and several buildings and roads damaged in the Qingchuan area. Felt [III] at Chengdu and Xi'an. Also felt at Beibei, Chongqing, Daxian, Guangyuan, Mianyang, Nanchong and Xianyang. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s15.00000°,δ55.00000°,λ150.00000°. NP2: ϕ_s123.00000°,δ66.00000°,λ39.00000°. Principal axes: T Plg44.0000°,Azm343.0000° ; N Plg0.0000°,Azm0.0000°; P Plg7.0000°,Azm247.0000°
MOS Error ellipse: s-maj=7.4km s-min=5.4km az=100.4.
SZGRF Sichuan, China.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=116, comp=279, per= 50. Moment Tensor Solution. s102,c217; s86,c115; Moment tensor: Scale 10^{18}Nm; M_{rr}1.09±.01 $M_{\theta\theta}$-0.13±.01; $M_{\phi\phi}$-0.97±.01; $M_{r\theta}$0.18±.02; $M_{\theta\phi}$0.37±.01; $M_{\phi r}$0.01±.02; Best double couple: NP1:ϕ_s348.00000°,δ44.00000°,λ103.00000°. NP2:ϕ_s151.00000°,δ47.00000°,λ78.00000°. Principal axes: T 1.1200,Plg81.0000°,Azm348.0000°; N -0.0100,Plg9.0000°,Azm159.0000° ; P -1.1100,Plg1.0000°,Azm249.0000° M_o1.10000×10^{18}
BGS Error ellipse: s-maj=328.1km s-min=530.4km az=-1.0.

(703) Andaman Islands region

ISC	**VIII**	**05 10 08 14.6–.12**	**13.95N–.02**	**93.61E–.02**	**56**	**5.4s,5.2b**	**639**	**7-164**
BJI	VIII	05 10 08 08.4	13.67N	93.52E	36	5.9b,5.4s		¶13390918
MOS	VIII	05 10 08 10.6–.87	14.00N	93.59E	33	5.5b,5.4s		
SZGRF	VIII	05 10 08 11.0	13.53N	93.29E	33	5.3b,5.4s		
NEIC	VIII	05 10 08 11.9–.12	13.87N	93.58E	35	5.2b,5.4s		
IDC	VIII	05 10 08 12.8–.44	13.88N	93.70E	42–3	5.6L,5.0		
ISCJB	VIII	05 10 08 12.7–.12	13.97N–.02	93.60E–.02	54	5.4s,5.2b		
GCMT	VIII	05 10 08 14.2–.50	13.88N	93.56E	45–1	5.2W,5.2b		
DJA	VIII	05 10 09 08	11.50N	96.31E	310	4.8b,5.2b		

ISC Event type se.
MOS Error ellipse: s-maj=6.7km s-min=4.0km az=118.8.
SZGRF Andaman Islands, India, region.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=193.0.
IDC Error ellipse: s-maj=10.8km s-min=9.7km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.5km az=36.3.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s13,c18; s66,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}6.36±.61 $M_{\theta\theta}$0.83±.34; $M_{\phi\phi}$-7.18±.35; $M_{r\theta}$4.08±.24; $M_{\theta\phi}$1.81±.25; $M_{\phi r}$-1.94±.26; Best double couple: NP1:ϕ_s11.00000°,δ39.00000°,λ130.00000°. NP2:ϕ_s143.00000°,δ61.00000°,λ62.00000°. Principal axes: T 8.5700,Plg63.0000° ,Azm7.0000°; N -0.4200,Plg24.0000°,Azm158.0000°; P -8.1500,Plg12.0000°,Azm253.0000° M_o8.40000×10^{16}

(177) Kermadec Islands region

ISC	**VIII**	**05 23 05 25.8–2.5**	**27.42S–.05**	**176.26W–.04**	**20–17**	**5.1b,4.6s**	**448**	**11-170**
IDC	VIII	05 23 05 21.9–.44	27.53S	176.25W	0	4.9,4.9		¶13390950
BJI	VIII	05 23 05 24.8	27.17S	175.65W	30	5.7b,5.3s		
ISCJB	VIII	05 23 05 25.7–.16	27.41S–.05	176.32W–.04	30	5.1b,4.6s		
NEIC	VIII	05 23 05 27.9–.88	27.34S	176.32W	36–7	5.2b,4.6s		
MOS	VIII	05 23 05 27.0–.96	27.20S	176.34W	33	5.4b,4.6s		
GCMT	VIII	05 23 05 27.2–.20	27.32S	175.85W	13–0	5.2W,4.6s		
BGS	VIII	05 23 05 32.4–2.7	27.34S	176.32W	33–0	5.2b,4.6s		

ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=14.0km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.3km az=154.4.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.0km az=143.0.
MOS Error ellipse: s-maj=12.0km s-min=10.0km az=68.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c74; s77,c132; Moment tensor: Scale 10^{16}Nm; M_{rr}6.56±.21 $M_{\theta\theta}$0.50±.16; $M_{\phi\phi}$-7.06±.16; $M_{r\theta}$0.78±.41; $M_{\theta\phi}$-0.98±.12; $M_{\phi r}$1.18±.35; Best double couple: NP1:ϕ_s181.00000°,δ40.00000°,λ81.00000°. NP2:ϕ_s13.00000°,δ51.00000°,λ97.00000°. Principal axes: T 6.7400,Plg82.0000° ,Azm325.0000°; N 0.5700,Plg6.0000°,Azm188.0000°; P -7.3000,Plg5.0000°,Azm98.0000° M_o7.00000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(153) South Sandwich Islands region

IDC	**VIII**	**06 19 33 11.5–1.8**	**59.04S**	**24.68W**	**0**	**7.0,7.0**		
								¶12580943

IDC Error ellipse: s-maj=100.9km s-min=68.2km az=128.0.

(285) Sumbawa region

ISC	**VIII**	**06 22 41 02.0–.14**	**8.15S–.02**	**117.77E–.02**	**14**	**5.6b,5.5s**	**508**	**2-168**
IDC	VIII	06 22 40 59.0–.36	8.07S	117.62E	0	5.9L,5.5s		¶13391027
BJI	VIII	06 22 40 59.7	8.10S	117.70E	10	5.7s,5.7b		
ISCJB	VIII	06 22 41 00.1–.14	8.18S–.02	117.74E–.02	13	5.6b,5.5s		
DJA	VIII	06 22 41 03	8.29S	117.73E	10	6.3W,5.5s		
NEIC	VIII	06 22 41 03.7–1.6	8.13S	117.67E	31–11	5.9W,5.8b		
MOS	VIII	06 22 41 03.1–1.6	8.10S	117.69E	33	5.7b,5.4s		
GCMT	VIII	06 22 41 06.5–.10	8.14S	117.73E	27–0	5.9W,5.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=16.5km s-min=8.4km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=19.2.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.1km az=55.0. Felt [VII] at Pekat; [IV] at Dompu and Sumbawa Besar; [III] at Bima. Felt [IV] at Denpasar, Bali and at Mataram, Lombok. Felt at Kuta, Bali. Moment Tensor Solution. s62 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$-4.89 $M_{\phi\phi}$4.54 $M_{r\theta}$-1.63 $M_{\theta\phi}$-1.11 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s130.00000° ,δ78.00000°,λ-170.00000°. NP2:ϕ_s37.00000°,δ80.00000°,λ-13.00000°. Principal axes: T 4.6700,Plg1.0000°,Azm83.0000°; N 0.8100,Plg74.0000°,Azm179.0000° ; P -5.4900,Plg15.0000°,Azm353.0000° M_o5.10000×10^{17}
MOS Error ellipse: s-maj=8.2km s-min=5.7km az=115.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 93, comp=201, per= 50. Moment Tensor Solution. s82,c158; s62,c90; Moment tensor: Scale 10^{17}Nm; M_{rr}0.10±.08 $M_{\theta\theta}$-9.14±.08; $M_{\phi\phi}$9.05±.09; $M_{r\theta}$-2.94±.18; $M_{\theta\phi}$-1.93±.07; $M_{\phi r}$-0.85±.17; Best double couple: NP1:ϕ_s130.00000°,δ76.00000°,λ-171.00000°. NP2:ϕ_s38.00000°,δ81.00000°,λ-14.00000°. Principal axes: T 9.3000,Plg4.0000°,Azm85.0000°; N 0.9000,Plg73.0000°,Azm187.0000° ; P -10.2000,Plg16.0000°,Azm354.0000° M_o9.80000×10^{17}

(49) Gulf of California

ISC	**VIII**	**07 02 18 14.9–.29**	**26.72N–.03**	**110.94W–.03**	**10**	**5.0s,4.6b**	**210**	**1-158**
BJI	VIII	07 02 18 10.8	26.60N	111.00W	10	5.5b,5.2s		¶11159766
IDC	VIII	07 02 18 11.6–.94	26.78N	110.93W	0	4.9,4.8s		
ISCJB	VIII	07 02 18 12.7–.28	26.73N–.02	110.91W–.03	10	5.0s,4.6b		
NEIC	VIII	07 02 18 13.8–.44	26.64N	111.00W	10	5.3W,5.0s		
MEX	VIII	07 02 18 14.7–1.5	26.92N	111.05W	14–23	4.9,5.0s		
GCMT	VIII	07 02 18 16.4–.20	26.68N	111.12W	24–0	5.5W,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=21.8km s-min=14.8km az=43.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.2km az=136.7.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=3.8km az=220.0. Felt at Loreto and Mulege, Baja California Sur. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}0.10 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$0.91 $M_{r\theta}$-0.16 $M_{\theta\phi}$-0.02 $M_{\phi r}$-0.29 Best double couple: NP1:ϕ_s226.00000° ,δ83.00000°,λ19.00000°. NP2:ϕ_s133.00000°,δ71.00000°,λ173.00000°. Principal axes: T 1.0000,Plg18.0000°,Azm91.0000°; N 0.0300,Plg69.0000°,Azm243.0000° ; P -1.0400,Plg8.0000°,Azm358.0000° M_o1.00000×10^{17}
MEX Error ellipse: s-maj=13.2km s-min=9.1km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 82, comp=161, per= 50. Moment Tensor Solution. s67,c110; s19,c19; Moment tensor: Scale 10^{17}Nm; M_{rr}0.07±.03 $M_{\theta\theta}$-2.03±.03; $M_{\phi\phi}$1.96±.04; $M_{r\theta}$-0.10±.07; $M_{\theta\phi}$-0.54±.03; $M_{\phi r}$0.05±.07; Best double couple: NP1:ϕ_s37.00000°,δ87.00000°,λ0.00000°. NP2:ϕ_s127.00000°,δ90.00000°,λ-177.00000°. Principal axes: T 2.0400,Plg2.0000°,Azm262.0000°; N 0.0700,Plg87.0000°,Azm136.0000° ; P -2.1100,Plg3.0000°,Azm352.0000° M_o2.10000×10^{17}

(9) Fox Islands

ISC	**VIII**	**07 07 27 41.8–.48**	**53.49N–.02**	**167.45W–.02**	**26–3**	**5.0b,4.5s**	**917**	**0-153**
IDC	VIII	07 07 27 39.2–2.5	53.46N	167.55W	10–14	4.6,4.6		¶13391060
ISCJB	VIII	07 07 27 40.8–.47	53.50N–.02	167.43W–.02	32–3	5.0b,4.5s		
BJI	VIII	07 07 27 40.7	53.89N	166.77W	45	5.0b,4.9s		
MOS	VIII	07 07 27 41.2–.99	53.53N	167.39W	33	5.2b,4.5s		
GCMT	VIII	07 07 27 41.7–.20	53.24N	167.28W	17–0	5.2W,4.5s		
NEIC	VIII	07 07 27 42.4–.69	53.49N	167.47W	32–4	5.3L,5.1b		
DJA	VIII	07 07 27 47	53.29N	169.00W	30	5.5b,5.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.8km s-min=9.9km az=177.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.2km az=4.5.
MOS Error ellipse: s-maj=7.3km s-min=5.3km az=78.1.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s63,c92; s82,c139; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.40±.20 $M_{\theta\theta}$-0.22±.16; $M_{\phi\phi}$6.62±.14; $M_{r\theta}$0.74±.41; $M_{\theta\phi}$1.31±.11; $M_{\phi r}$-0.17±.31; Best double couple: NP1:ϕ_s198.00000°,δ45.00000°,λ-80.00000°. NP2:ϕ_s3.00000°,δ46.00000°,λ-100.00000°. Principal axes: T 6.8600,Plg0.0000° ,Azm100.0000°; N -0.3700,Plg7.0000°,Azm10.0000°; P -6.5000,Plg83.0000°,Azm192.0000° M_o6.70000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=2.6km az=180.0. Felt at Dutch Harbor.

(221) Kuril Islands

ISC	**VIII**	**07 09 54 39.4–.74**	**46.81N–.06**	**153.10E–.08**	**57–7**	**4.2b**	**99**	**4-78**
NIED	VIII	07 09 54 00	47.10N	153.20E	35	4.3W		¶13391067
SKHL	VIII	07 09 54 31.4–.70	46.11N	153.93E	115–31	5.7s,5.1b		
IDC	VIII	07 09 54 32.3–.80	47.00N	152.99E	0	4.3,4.2		
JMA	VIII	07 09 54 34.8–.60	47.10N	153.24E	30	4.8,4.2		
NEIC	VIII	07 09 54 37.7–2.9	47.09N	153.01E	33–21	4.6b,4.2		
ISCJB	VIII	07 09 54 38.1–.88	46.78N–.07	153.02E–.08	64–8	4.2b,4.2		
MOS	VIII	07 09 54 39.4–1.2	46.83N	153.06E	76	4.5b,4.2		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ74.00000°,λ153.00000°. NP2:ϕ_s318.00000°,δ64.00000°,λ18.00000°. M_o2.96000×10^{15}
IDC Error ellipse: s-maj=25.2km s-min=15.8km az=155.0.
JMA Error ellipse: s-maj=8.9km s-min=7.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=7.9km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=6.2km az=142.4.
MOS Error ellipse: s-maj=13.1km s-min=9.5km az=50.2.

(7) Andreanof Islands

ISC	**VIII**	**07 18 30 02.0–.64**	**52.25N–.02**	**175.60W–.02**	**2–3**	**5.5b,5.5s**	**1490**	**0-161**
BGS	VIII	07 18 29 53.2–1.7	51.49N	176.41W	13–0	5.5s,5.4b		¶13391089
BJI	VIII	07 18 30 00.2	52.64N	175.64W	6	5.9s,5.5b		
ISCJB	VIII	07 18 30 00.3–.59	52.22N–.02	175.57W–.02	2–3	5.5b,5.5s		
NEIC	VIII	07 18 30 03.1–.15	52.19N	175.65W	12	5.9L,5.9		
IDC	VIII	07 18 30 04.0–1.6	52.34N	175.75W	17–9	5.5,5.5		
DJA	VIII	07 18 30 04	52.41N	175.05W	10	6.1W,5.5		
MOS	VIII	07 18 30 04.6–1.2	52.30N	175.63W	33	5.8b,5.5s		
GCMT	VIII	07 18 30 08.9–.10	52.22N	175.63W	12	5.8W,5.5s		
SZGRF	VIII	07 18 30 10.7	52.87N	174.77W	33	5.8b,5.6s		

ISC Event type fe.
BGS Error ellipse: s-maj=202.7km s-min=676.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.9km az=3.8.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=187.0. Felt at Unalaska. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s75.00000°,δ70.00000°,λ-90.00000°. NP2:ϕ_s255.00000°,δ20.00000°,λ-90.00000°. Principal axes: T Plg25.0000°,Azm165.0000°; N Plg0.0000°,Azm0.0000°; P Plg65.0000° ,Azm345.0000° Moment Tensor Solution. s147 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.82 $M_{\theta\theta}$4.68 $M_{\phi\phi}$-0.86 $M_{r\theta}$1.45 $M_{\theta\phi}$-3.53 $M_{\phi r}$-0.67 Best double couple: NP1:ϕ_s117.00000° ,δ36.00000°,λ-88.00000°. NP2:ϕ_s295.00000°,δ54.00000°,λ-91.00000°. Principal axes: T 6.6400,Plg8.0000°,Azm25.0000°; N -2.5800,Plg1.0000°,Azm295.0000° ; P -4.0600,Plg81.0000°,Azm198.0000° M_o5.80000×10^{17}
IDC Error ellipse: s-maj=12.8km s-min=7.4km az=158.0.
MOS Error ellipse: s-maj=8.7km s-min=7.5km az=147.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 90, comp=182, per= 50. Moment Tensor Solution. s74,c135; s50,c67; Moment tensor: Scale 10^{17}Nm; M_{rr}-4.07±.08 $M_{\theta\theta}$6.42±.08; $M_{\phi\phi}$-2.34±.09; $M_{r\theta}$1.71±.22; $M_{\theta\phi}$-4.89±.08; $M_{\phi r}$-1.79±.25; Best double couple: NP1:ϕ_s75.00000°,δ53.00000°,λ-153.00000°. NP2:ϕ_s328.00000°,δ69.00000°,λ-41.00000°. Principal axes: T 9.0100,Plg10.0000°,Azm25.0000°; N -3.5800,Plg45.0000°,Azm125.0000° ; P -5.4200,Plg43.0000°,Azm285.0000° M_o7.20000×10^{17}
SZGRF Andreanof Islands, Aleutian Islands, United States.

(694) Central East Pacific Rise

ISC	**VIII**	**07 22 58 33.4–.28**	**9.21S–.04**	**109.44W–.05**	**10**	**5.1s,5.0b**	**642**	**18-160**
ISCJB	VIII	07 22 58 30.2–.34	9.36S–.04	109.47W–.05	10	5.1s,5.0b		¶11159962
IDC	VIII	07 22 58 31.3–.71	9.02S	109.56W	0	5.0s,5.0		
MOS	VIII	07 22 58 33.1–1.0	8.90S	109.25W	10	5.2b,5.1s		
NEIC	VIII	07 22 58 33.1–.21	9.14S	109.52W	10	5.5W,5.5W		
BJI	VIII	07 22 58 34.6	9.10S	109.50W	10	5.5s,5.4b		
GCMT	VIII	07 22 58 37.3–.10	9.12S	109.72W	19–0	5.6W,5.4b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=6.3km az=171.8.
IDC Error ellipse: s-maj=30.5km s-min=17.5km az=60.0.
MOS Error ellipse: s-maj=15.8km s-min=5.9km az=86.9.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=82.0. Moment Tensor Solution. s51 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-0.22 $M_{r\theta}$0.24 $M_{\theta\phi}$1.99 $M_{\phi r}$0.53 Best double couple: NP1:ϕ_s4.00000°,δ87.00000°,λ165.00000°. NP2:ϕ_s95.00000°,δ75.00000° ,λ4.00000°. Principal axes: T 2.2000,Plg12.0000°,Azm318.0000°; N -0.2200,Plg74.0000° ,Azm170.0000°; P -1.9800,Plg7.0000°,Azm50.0000° M_o2.10000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=210, per= 50. Moment Tensor Solution. s83,c137; s51,c53; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10±.04 $M_{\theta\theta}$0.97±.04; $M_{\phi\phi}$-0.87±.04; $M_{r\theta}$0.11±.08; $M_{\theta\phi}$2.67±.03; $M_{\phi r}$0.06±.09; Best double couple: NP1:ϕ_s10.00000°,δ88.00000°,λ179.00000°. NP2:ϕ_s100.00000°,δ89.00000°,λ2.00000°. Principal axes: T 2.8800,Plg2.0000°,Azm325.0000°; N -0.1100,Plg88.0000°,Azm136.0000° ; P -2.7800,Plg0.0000°,Azm235.0000° M_o2.80000×10^{17}

(177) Kermadec Islands region

ISC	**VIII**	**08 02 25 09.2–.16**	**31.54S–.06**	**177.09W–.07**	**10**	**4.8b,4.2s**	**189**	**8-169**
ISCJB	VIII	08 02 25 07.6–.16	31.62S–.06	177.10W–.07	10	4.8b,4.2s		¶11159979
BJI	VIII	08 02 25 07.3	31.10S	176.93W	6	5.5b,5.3b		
IDC	VIII	08 02 25 07.7–.65	31.12S	177.06W	0	4.6,4.5		
NEIC	VIII	08 02 25 09.3–.25	31.29S	177.12W	10	4.9b,4.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=4.1km az=44.5.
IDC Error ellipse: s-maj=24.8km s-min=20.3km az=143.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.5km az=137.0.

(273) Southwest of Sumatera

ISC	**VIII**	**08 06 37 42.8–.14**	**4.05S–.02**	**100.96E–.02**	**31**	**5.5s,5.5b**	**552**	**2-176**
SZGRF	VIII	08 06 37 34.4	4.41S	103.33E	33	5.4b,5.3s		¶11159985
BJI	VIII	08 06 37 34.4	4.78S	100.98E	32	5.9s,5.9b		
IDC	VIII	08 06 37 37.3–.40	4.01S	101.09E	0	5.4,5.4s		
ISCJB	VIII	08 06 37 40.7–.15	4.05S–.02	100.97E–.02	29	5.5s,5.5b		

DJA VIII 08 06 37 40 4.09S 100.86E 13 5.8W,5.5b
NEIC VIII 08 06 37 41.9–.15 3.94S 101.08E 23 5.8W,5.6W
MOS VIII 08 06 37 42.5–1.5 3.76S 101.08E 33 5.8b,5.4s
GCMT VIII 08 06 37 43.4–.10 4.29S 100.75E 16 5.8W,5.4s
ISC Event type fe.
SZGRF Southern Sumatera, Indonesia.
IDC Error ellipse: s-maj=15.4km s-min=10.0km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=35.3.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.6km az=47.0. Felt [II] at Kapahiang. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tension Solution. s52 Moment tensor: Scale 10^{17}Nm; M_{rr}2.25 $M_{\theta\theta}$-2.09 $M_{\phi\phi}$-0.16 $M_{r\theta}$1.91 $M_{\theta\phi}$0.93 $M_{\phi r}$-0.79 Best double couple: NP1:ϕ_s291.00000° ,δ24.00000°,λ89.00000°. NP2:ϕ_s112.00000°,δ66.00000°,λ90.00000°. Principal axes: T 3.0300,Plg69.0000°,Azm22.0000°; N 0.2100,Plg0.0000°,Azm292.0000° ; P -3.2400,Plg20.0000°,Azm202.0000° $M_0$3.10000×10^{17}
MOS Error ellipse: s-maj=8.3km s-min=4.4km az=112.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 80, comp=126, per= 50. Moment Tension Solution. s86,c152; s21,c21; Moment tensor: Scale 10^{17}Nm; M_{rr}1.78±.04 $M_{\theta\theta}$-0.93±.03; $M_{\phi\phi}$-0.85±.04; $M_{r\theta}$5.13±.11; $M_{\theta\phi}$0.97±.03; $M_{\phi r}$-3.36±.11; Best double couple: NP1:ϕ_s324.00000°,δ9.00000°,λ110.00000°. NP2:ϕ_s124.00000°,δ82.00000°,λ87.00000°. Principal axes: T 6.3900,Plg53.0000°,Azm30.0000°; N 0.0200,Plg3.0000°,Azm124.0000° ; P -6.4100,Plg37.0000°,Azm216.0000° $M_0$6.40000×10^{17}

(273) Southwest of Sumatera

ISC VIII 08 07 32 52.5–.22 3.99S–.03 100.88E–.03 30 5.2b,5.0s 291 2-150
IDC VIII 08 07 32 47.8–.54 3.89S 101.00E 0 4.8,4.8b **¶11159986**
ISCJB VIII 08 07 32 50.3–.22 3.99S–.03 100.85E–.03 28 5.2b,5.0s
BJI VIII 08 07 32 50.7 4.36S 100.92E 63 5.5b,5.4s
DJA VIII 08 07 32 50 4.10S 100.61E 21 5.4b,5.4s
MOS VIII 08 07 32 51.2–1.0 3.83S 101.01E 33 5.5b,5.2s
NEIC VIII 08 07 32 53.4–1.2 3.91S 100.99E 36–10 5.2b,5.2s
GCMT VIII 08 07 32 55.0–.20 4.32S 100.50E 31–1 5.3W,5.2s
ISC Event type fe.
IDC Error ellipse: s-maj=17.4km s-min=13.1km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.9km az=41.1.
MOS Error ellipse: s-maj=12.0km s-min=6.0km az=106.7.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=5.6km az=45.0. Felt [II] at Bengkulu, Sumatra.
GCMT Event type se. Data Used: IU IC II CN G. Moment Tensor Solution. s56,c82; s60,c89; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s327.00000°,δ23.00000°,λ101.00000°. NP2:ϕ_s135.00000° ,δ68.00000°,λ85.00000°. Principal axes: T 0.9600,Plg67.0000°,Azm36.0000° ; N 0.0800,Plg4.0000°,Azm136.0000°; P -1.0400,Plg23.0000°,Azm228.0000° $M_0$1.00000×10^{17}

(224) Hokkaido region

ISC VIII 08 15 53 12.5–.08 41.18N–.02 142.15E–.02 60 5.3b,4.9s 1160 1-161
NIED VIII 08 15 53 00 41.10N 142.30E 47 5.4W,4.9s **¶11160007**
BJI VIII 08 15 53 04.5 41.02N 142.62E 37 5.3b,5.2b
NEIC VIII 08 15 53 09.9–.12 41.17N 142.19E 39 5.4b,5.4W
ISCJB VIII 08 15 53 10.8–.08 41.19N–.02 142.16E–.02 58 5.3b,4.9s
MOS VIII 08 15 53 10.5–.79 41.27N 142.20E 60 5.6b,4.8s
JMA VIII 08 15 53 10.8–.10 41.14N 142.28E 51–3 5.4,4.8s
GCMT VIII 08 15 53 12.9–.10 41.17N 142.49E 56–0 5.4W,4.8s
IDC VIII 08 15 53 12.4–.56 41.25N 142.16E 62–4 4.8s,4.8
SZGRF VIII 08 15 53 13.9 42.20N 143.10E 33 5.4b,5.1s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ70.00000°,λ96.00000°. NP2:ϕ_s186.00000°,δ21.00000°,λ73.00000°. $M_0$1.30000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.5km az=161.0. Felt at Misawa, Honshu. Recorded [3 JMA] in southwestern Hokkaido. Also recorded [3 JMA] in Aomori and [2 JMA] in Iwate and [1 JMA] in Miyagi, Honshu. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-0.86 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.02 $M_{\phi r}$1.10 Best double couple: NP1: ϕ_s22.00000°,δ72.00000°,λ100.00000°. NP2:ϕ_s171.00000°,δ20.00000°,λ61.00000°. Principal axes: T 1.6600,Plg61.0000°,Azm307.0000°; N -0.2300,Plg9.0000°,Azm199.0000° ; P -1.4300,Plg26.0000°,Azm104.0000° $M_0$1.60000×10^{17} Moment Tensor Solution. $M_0$1.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=154.1.
MOS Error ellipse: s-maj=8.1km s-min=5.6km az=81.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s188.00000°,δ18.00000°,λ76.00000°. NP2: ϕ_s22.00000°,δ73.00000°,λ94.00000°. Principal axes: T Plg62.0000°,Azm299.0000° ; N Plg4.0000°,Azm201.0000°; P Plg28.0000°,Azm109.0000°
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 96, comp=199, per= 50. Moment Tensor Solution. s83,c161; s13,c15; Moment tensor: Scale 10^{17}Nm; M_{rr}1.39±.03 $M_{\theta\theta}$0.05±.03; $M_{\phi\phi}$-1.44±.03; $M_{r\theta}$0.45±.02; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$0.70±.02; Best double couple: NP1:ϕ_s184.00000°,δ32.00000°,λ73.00000°. NP2:ϕ_s24.00000°,δ60.00000°,λ100.00000°. Principal axes: T 1.6300,Plg73.0000°,Azm319.0000°; N 0.1100,Plg9.0000°,Azm198.0000° ; P -1.7400,Plg14.0000°,Azm106.0000° $M_0$1.70000×10^{17}
IDC Error ellipse: s-maj=10.4km s-min=8.9km az=101.0.
SZGRF Hokkaido, Japan, region.

(222) East of Kuril Islands

ISC VIII 08 23 13 58.6–.48 49.01N–.04 155.71E–.05 44–3 4.5b,4.2s 297 2-147
IDC VIII 08 23 13 51.6–.59 48.98N 155.64E 0 4.3,4.3 **¶11160019**
SKHL VIII 08 23 13 52.3–1.4 48.58N 156.54E 34–3 5.5b,5.4s
KRSC VIII 08 23 13 54.0–1.5 48.93N 156.86E 5–5 5.0L,5.4s
ISCJB VIII 08 23 13 56.2–.57 48.97N–.04 155.77E–.05 40–4 4.5b,4.2s
MOS VIII 08 23 13 56.2–1.4 49.04N 155.79E 39 4.8b,4.1s
BJI VIII 08 23 13 56.3 48.92N 155.75E 49 4.7b,4.6b
NEIC VIII 08 23 13 58.6–.79 49.00N 155.69E 46–7 4.6b,4.6b
GCMT VIII 08 23 14 00.7–.60 48.82N 156.04E 33–0 4.9W,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=12.5km az=162.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.5km az=144.8.
MOS Error ellipse: s-maj=7.7km s-min=4.7km az=84.3.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.5km az=162.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s20,c26; s52,c74; Moment tensor: Scale 10^{16}Nm; M_{rr}2.60±.18 $M_{\theta\theta}$-0.95±.11; $M_{\phi\phi}$-1.65±.11; $M_{r\theta}$0.57±.12; $M_{\theta\phi}$-0.85±.05; $M_{\phi r}$0.48±.09; Best double couple: NP1:ϕ_s210.00000°,δ37.00000°,λ84.00000°. NP2:ϕ_s38.00000°,δ53.00000°,λ94.00000°. Principal axes: T 2.7200,Plg81.0000° ,Azm328.0000°; N -0.4000,Plg4.0000°,Azm215.0000°; P -2.3200,Plg8.0000°,Azm125.0000° $M_0$2.50000×10^{16}

(702) Balleny Islands region

ISC VIII 09 06 01 46.2–.36 61.01S–.05 153.9E–.10 10 5.9s,5.3b 117 7-176
IDC VIII 09 06 01 43.8–.48 61.02S 153.78E 0 5.8s,5.8 **¶11160926**
ISCJB VIII 09 06 01 44.5–.35 61.00S–.05 153.8E–.10 10 5.9s,5.3b
MOS VIII 09 06 01 47.4–2.1 60.48S 154.39E 10 5.9s,5.4b
DJA VIII 09 06 01 47 60.90S 154.25E 10 5.8b,5.4b
NEIC VIII 09 06 01 48.5–.34 60.65S 153.77E 10 6.5W,5.9s
BJI VIII 09 06 01 49.0 60.60S 153.80E 10 6.2s,6.0
GCMT VIII 09 06 02 03.8–.10 60.54S 153.38E 16–0 6.4W,6.0
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=14.2km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.4km az=36.7.
MOS Error ellipse: s-maj=35.2km s-min=10.6km az=97.4.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=12.3km az=88.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 112 sta. Surface waves: sta=111, comp=251, per= 50. Moment Tensor Solution. s116,c272; s99,c203; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.60±.03 $M_{\theta\theta}$4.01±.03; $M_{\phi\phi}$-3.41±.03; $M_{r\theta}$1.40±.09; $M_{\theta\phi}$-3.36±.02; $M_{\phi r}$1.04±.08; Best double couple: NP1:ϕ_s155.00000°,δ71.00000°,λ-7.00000°. NP2:ϕ_s247.00000°,δ84.00000°,λ-161.00000°. Principal axes: T 5.4500,Plg9.0000° ,Azm20.0000°; N -0.2700,Plg70.0000°,Azm264.0000°; P -5.1900,Plg18.0000° ,Azm113.0000° $M_0$5.30000×10^{18}

(7) Andreanof Islands

ISC VIII 09 15 18 15.0–.10 51.58N–.02 178.46W–.02 36 5.4b,4.7s 1391 1-160
SZGRF VIII 09 15 18 11.2 51.42N 179.66W 33 5.4b,4.7s **¶13391257**
ISCJB VIII 09 15 18 12.9–.10 51.51N–.02 178.42W–.02 34 5.4b,4.7s
MOS VIII 09 15 18 13.1–.91 51.60N 178.38W 33 5.5b,4.6s
BJI VIII 09 15 18 15.7 51.79N 178.55W 58 5.6b,5.4b
IDC VIII 09 15 18 15.8–1.4 51.62N 178.33W 46–11 5.5L,5.0
NEIC VIII 09 15 18 16.9–.39 51.50N 178.44W 58–3 5.5W,5.5L
BGS VIII 09 15 18 17.1–2.6 51.50N 178.44W 58–0 5.0b,5.5L
GCMT VIII 09 15 18 17.1–.10 51.29N 178.26W 42–0 5.4W,5.5L
DJA VIII 09 15 18 25 51.31N 178.80W 116 5.4b,5.5L
ISC Event type se.
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=1.5km az=3.7.
MOS Error ellipse: s-maj=9.2km s-min=7.2km az=156.9.
IDC Error ellipse: s-maj=15.2km s-min=9.6km az=160.0.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.0km az=184.0. Moment Tensor Solution. s93 Moment tensor: Scale 10^{16}Nm; M_{rr}7.44 $M_{\theta\theta}$-6.63 $M_{\phi\phi}$-0.81 $M_{r\theta}$4.60 $M_{\theta\phi}$-4.01 $M_{\phi r}$3.27 Best double couple: NP1:ϕ_s58.00000°,δ63.00000°,λ84.00000°. NP2:ϕ_s250.00000° ,δ28.00000°,λ101.00000°. Principal axes: T 9.3000,Plg71.0000°,Azm314.0000° ; N 1.2000,Plg4.0000°,Azm60.0000°; P -10.4000,Plg17.0000°,Azm151.0000° $M_0$9.90000×10^{16}
BGS Error ellipse: s-maj=580.3km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s94,c163; s99,c190; Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$-1.22±.02; $M_{\phi\phi}$0.08±.02; $M_{r\theta}$0.44±.02; $M_{\theta\phi}$-0.41±.01; $M_{\phi r}$0.57±.02; Best double couple: NP1: ϕ_s273.00000°,δ36.00000°,λ122.00000°. NP2:ϕ_s56.00000°,δ60.00000°,λ69.00000°. Principal axes: T 1.4100,Plg68.0000°,Azm285.0000°; N 0.0600,Plg18.0000°,Azm66.0000° ; P -1.4700,Plg13.0000°,Azm161.0000° $M_0$1.40000×10^{17}

(701) West of Macquarie Island

ISC VIII 09 16 36 39.0–.26 60.75S–.04 154.00E–.09 10 6.0s,5.5b 187 7-175
IDC VIII 09 16 36 36.9–.46 60.66S 153.67E 0 5.9s,5.9 **¶11160944**
ISCJB VIII 09 16 36 37.5–.27 60.70S–.04 153.83E–.09 10 6.0s,5.5b
MOS VIII 09 16 36 38.9–2.1 60.37S 153.82E 10 6.0s,5.5b
NEIC VIII 09 16 36 38.2–.18 60.69S 153.83E 10 6.3W,6.0s
DJA VIII 09 16 36 40 60.68S 153.88E 6 6.0W,6.0s
BJI VIII 09 16 36 43.3 60.90S 153.18E 38 5.9s,5.8b
GCMT VIII 09 16 36 46.8–.10 60.83S 153.59E 12 6.3W,5.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=13.6km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.6km az=38.5.
MOS Error ellipse: s-maj=26.5km s-min=9.9km az=89.5.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.2km az=89.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 107 sta. Surface waves: sta=111, comp=247, per= 50. Moment Tensor Solution. s116,c259; s99,c202; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17±.02 $M_{\theta\theta}$2.80±.02; $M_{\phi\phi}$-2.63±.02; $M_{r\theta}$0.28±.05; $M_{\theta\phi}$-2.49±.02; $M_{\phi r}$0.28±.05; Best double couple: NP1:ϕ_s156.00000°,δ84.00000°,λ-3.00000°. NP2:ϕ_s246.00000°,δ87.00000°,λ-174.00000°. Principal axes: T 3.7800,Plg2.0000° ,Azm21.0000°; N -0.1400,Plg84.0000°,Azm270.0000°; P -3.6400,Plg6.0000°,Azm111.0000° $M_0$3.70000×10^{18}

(703) Andaman Islands region

ISC VIII 10 08 20 34.7–.56 11.02N–.02 91.83E–.01 29–4 6.1s,5.7b 1288 1-170
BJI VIII 10 08 20 29.4 10.99N 91.77E 11 6.3s,6.1 **¶13391318**
ISCJB VIII 10 08 20 30.6–.57 11.05N–.02 91.84E–.02 13–3 6.1s,5.7b
IDC VIII 10 08 20 30.1–.35 11.05N 91.87E 0 5.9s,5.9
TEH VIII 10 08 20 32.0 11.07N 91.84E 10 5.9s,5.9
SZGRF VIII 10 08 20 33.0 10.69N 92.14E 33 6.1s,5.5b
NEIC VIII 10 08 20 33.4–.09 11.06N 91.81E 20 6.9,6.2W
DJA VIII 10 08 20 34 11.05N 91.93E 20 6.3W,6.2W
MOS VIII 10 08 20 34.8–.78 11.19N 91.96E 33 6.0s,5.9b
GCMT VIII 10 08 20 37.4–.10 10.96N 91.83E 16–0 6.1W,5.9b
BGS VIII 10 08 20 50.9–1.5 13.92N 89.27E 10–0 6.1s,5.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.1km az=26.9.
IDC Error ellipse: s-maj=12.1km s-min=10.3km az=48.0.
SZGRF Andaman Islands, India, region.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.6km az=25.0. Felt [IV] at Port Blair. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s135.00000°,δ85.00000°,λ-175.00000°. NP2:ϕ_s45.00000°,δ85.00000°,λ-5.00000°. Principal axes: T Plg0.0000°,Azm90.0000°; N Plg0.0000°,Azm0.0000°; P Plg7.0000° ,Azm360.0000° Moment Tensor Solution. s68 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.42 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$2.40 $M_{r\theta}$0.15 $M_{\theta\phi}$0.40 $M_{\phi r}$-0.13 Best double couple: NP1:ϕ_s230.00000° ,δ84.00000°,λ-2.00000°. NP2:ϕ_s320.00000°,δ88.00000°,λ-174.00000°. Principal axes: T 2.4400,Plg2.0000°,Azm95.0000°; N -0.4100,Plg83.0000°,Azm342.0000° ; P -2.0300,Plg5.0000°,Azm185.0000° $M_0$2.30000×10^{18}
MOS Error ellipse: s-maj=9.7km s-min=3.8km az=129.3.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=244, per= 50. Moment Tensor Solution. s109,c241; s86,c138; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.58±.01 $M_{\theta\theta}$-1.76±.01; $M_{\phi\phi}$2.34±.02; $M_{r\theta}$-0.32±.04; $M_{\theta\phi}$0.29±.01; $M_{\phi r}$0.25±.04; Best double couple: NP1:ϕ_s48.00000°,δ76.00000°,λ-7.00000°. NP2:ϕ_s140.00000°,δ83.00000°,λ-166.00000°. Principal axes: T 2.3800,Plg4.0000°,Azm274.0000°; N -0.5100,Plg75.0000°,Azm168.0000° ; P -1.8700,Plg15.0000°,Azm5.0000° $M_0$2.10000×10^{18}
BGS Error ellipse: s-maj=416.8km s-min=326.2km az=-1.0.

(703) Andaman Islands region

ISC VIII 10 09 27 57.4–.12 11.03N–.02 91.75E–.02 30 5.3b,4.9s 733 9-165
SZGRF VIII 10 09 27 49.2 10.13N 91.85E 32 5.5b,4.9s **¶11160965**
BJI VIII 10 09 27 55.2 10.91N 91.75E 35 5.4b,5.3b
ISCJB VIII 10 09 27 55.4–.12 11.04N–.02 91.78E–.02 28 5.3b,4.9s
MOS VIII 10 09 27 56.3–.88 11.09N 91.82E 33 5.6b,5.0s
IDC VIII 10 09 27 56.8–2.2 11.06N 91.81E 25–13 4.8,4.8b
GCMT VIII 10 09 27 57.9–.20 11.05N 91.80E 14–1 5.3W,4.8b
NEIC VIII 10 09 27 57.4–1.3 11.03N 91.76E 30–8 5.3b,4.8b
DJA VIII 10 09 27 58 10.99N 91.87E 31 5.5b,4.8b
ISC Event type se.
SZGRF Andaman Islands, India, region.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.2km az=29.7.
MOS Error ellipse: s-maj=6.7km s-min=3.6km az=122.1.
IDC Error ellipse: s-maj=14.3km s-min=10.3km az=70.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s45,c58; s77,c132; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.95±.05 $M_{\theta\theta}$-0.22±.03; $M_{\phi\phi}$1.18±.04; $M_{r\theta}$0.45±.10; $M_{\theta\phi}$0.33±.03; $M_{\phi r}$-0.03±.07; Best double couple: NP1:ϕ_s348.00000°,δ49.00000°,λ-127.00000°. NP2:ϕ_s217.00000°,δ53.00000°,λ-56.00000°. Principal axes: T 1.2600,Plg2.0000° ,Azm283.0000°; N -0.0700,Plg27.0000°,Azm14.0000°; P -1.1800,Plg63.0000° ,Azm189.0000° $M_0$1.20000×10^{17}
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=209.0.

(703) Andaman Islands region

ISC VIII 10 12 21 14.3–.69 11.04N–.02 91.75E–.02 27–4 5.4s,5.3b 824 1-170
BJI VIII 10 12 21 07.6 10.77N 91.61E 14 5.7s,5.5b **¶11908033**
IDC VIII 10 12 21 09.3–.45 11.00N 91.86E 0 5.4s,5.4
ISCJB VIII 10 12 21 10.7–.70 11.04N–.02 91.74E–.02 14–4 5.4s,5.3b
NEIC VIII 10 12 21 11.8–.17 10.95N 91.71E 13 5.6W,5.4b
SZGRF VIII 10 12 21 13.7 10.53N 91.50E 33 5.4b,5.4b
MOS VIII 10 12 21 13.5–1.1 11.09N 91.79E 33 5.6b,5.3s
GCMT VIII 10 12 21 19.1–.10 11.12N 91.84E 12 5.7W,5.3s
DJA VIII 10 12 21 20 11.57N 91.97E 44 5.3b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=11.9km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.0km az=31.6.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.4km az=209.0. Moment Tensor Solution. s65 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.80 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$1.20 $M_{r\theta}$0.24 $M_{\theta\phi}$1.14 $M_{\phi r}$-2.29 Best double couple: NP1:ϕ_s246.00000°,δ28.00000°,λ-22.00000°. NP2:ϕ_s355.00000° ,δ80.00000°,λ-117.00000°. Principal axes: T 2.9100,Plg29.0000°,Azm106.0000° ; N -0.2900,Plg26.0000°,Azm0.0000°; P -2.6200,Plg48.0000°,Azm236.0000° $M_0$2.80000×10^{17}
SZGRF Andaman Islands, India, region.
MOS Error ellipse: s-maj=8.0km s-min=3.7km az=120.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 90, comp=186, per= 50. Moment Tensor Solution. s84,c157; s48,c54; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.73±.04 $M_{\theta\theta}$-0.74±.04; $M_{\phi\phi}$3.47±.04; $M_{r\theta}$2.22±.11; $M_{\theta\phi}$0.78±.03; $M_{\phi r}$-1.47±.10; Best double couple: NP1:ϕ_s218.00000°,δ44.00000°,λ-40.00000°. NP2:ϕ_s339.00000°,δ64.00000°,λ-126.00000°. Principal axes: T 3.8200,Plg11.0000°,Azm94.0000°; N 0.6900,Plg32.0000°,Azm357.0000° ; P -4.5100,Plg56.0000°,Azm201.0000° $M_0$4.20000×10^{17}

(406) Central Mid-Atlantic Ridge

ISC VIII 11 23 38 39.3–.57 0.98S–.03 21.80W–.02 16–3 5.4b,5.2s 1319 15-170
ISCJB VIII 11 23 38 35.5–.50 0.93S–.03 21.73W–.02 2–3 5.4b,5.2s **¶12099881**
IDC VIII 11 23 38 35.5–.40 0.91S 21.99W 0 5.5L,5.2s
SZGRF VIII 11 23 38 35.3 1.91S 21.42W 17 5.5b,5.2s
BJI VIII 11 23 38 37.7 1.85S 21.04W 13 5.7s,5.6b
MOS VIII 11 23 38 37.0–.99 0.87S 21.72W 10 5.6b,5.6b

NEIC VIII 11 23 38 38.3–.17 1.02S 21.84W 13 6.0W,5.9W
GCMT VIII 11 23 38 44.2–.10 0.75S 21.75W 24–0 6.0W,5.9W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.4km az=157.4.
IDC Error ellipse: s-maj=13.9km s-min=10.2km az=140.0.
SZGRF Central Mid-Atlantic Ridge.
MOS Error ellipse: s-maj=7.0km s-min=2.9km az=62.5.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=155.0. Moment Tensor Solution. s91 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04 $M_{\theta\theta}$2.87 $M_{\phi\phi}$-2.83 $M_{r\theta}$0.05 $M_{\theta\phi}$-9.05 $M_{\phi r}$-0.61 Best double couple: NP1:ϕ_s351.00000°,δ90.00000°,λ-4.00000°. NP2:ϕ_s81.00000°,δ86.00000°,λ-180.00000°. Principal axes: T 9.5200,Plg2.0000°,Azm36.0000° ; N -0.0400,Plg86.0000°,Azm166.0000°; P -9.4900,Plg2.0000°,Azm306.0000° M_θ9.50000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=111, comp=244, per= 50. Moment Tensor Solution. s100,c211; s86,c131; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04±.01 $M_{\theta\theta}$0.41±.01; $M_{\phi\phi}$-0.37±.01; $M_{r\theta}$-0.08±.02; $M_{\theta\phi}$-1.25±.01; $M_{\phi r}$0.13±.02; Best double couple: NP1:ϕ_s261.00000°,δ84.00000°,λ178.00000°. NP2:ϕ_s352.00000°,δ88.00000°,λ6.00000°. Principal axes: T 1.3400,Plg6.0000°,Azm217.0000°; N -0.0500,Plg84.0000°,Azm12.0000° ; P -1.2900,Plg3.0000°,Azm126.0000° M_θ1.30000×10^{18}

(694) Central East Pacific Rise

ISC	**VIII**	**13 01 32 45.5–.50**	**13.50S–.07**	**111.33W–.09**	**10**	**5.3s,4.7b**	**289**	**14-160**
ISCJB	VIII	13 01 32 43.5–.50	13.46S–.07	111.35W–.09	10	5.3s,4.7b		**¶11164814**
IDC	VIII	13 01 32 44.6–.99	13.33S	111.27W	0	5.2s,5.2		
NEIC	VIII	13 01 32 45.7–.32	13.38S	111.28W	10	5.6W,5.3s		
MOS	VIII	13 01 32 45.2–1.2	13.14S	111.17W	10	5.2s,5.0b		
BJI	VIII	13 01 32 47.6	13.40S	111.30W	10	5.7s,5.5b		
GCMT	VIII	13 01 32 51.0–.10	13.52S	111.31W	16–0	5.7W,5.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=7.2km az=149.6.
IDC Error ellipse: s-maj=37.1km s-min=18.1km az=52.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.6km az=68.0. Moment Tensor Solution. s60 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14 $M_{\theta\theta}$1.09 $M_{\phi\phi}$-0.95 $M_{r\theta}$-0.30 $M_{\theta\phi}$3.18 $M_{\phi r}$-0.09 Best double couple: NP1:ϕ_s279.00000°,δ88.00000°,λ5.00000°. NP2:ϕ_s189.00000°,δ85.00000°,λ178.00000°. Principal axes: T 3.4300,Plg4.0000°,Azm143.0000° ; N -0.1600,Plg84.0000°,Azm302.0000°; P -3.2700,Plg1.0000°,Azm53.0000° M_θ3.40000×10^{17}
MOS Error ellipse: s-maj=20.9km s-min=8.6km az=88.6.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=231, per= 50. Moment Tensor Solution. s92,c169; s65,c76; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.47±.05 $M_{\theta\theta}$2.05±.05; $M_{\phi\phi}$-1.57±.05; $M_{r\theta}$-1.03±.14; $M_{\theta\phi}$4.29±.04; $M_{\phi r}$0.28±.14; Best double couple: NP1:ϕ_s192.00000°,δ77.00000°,λ-177.00000°. NP2:ϕ_s101.00000°,δ87.00000°,λ-13.00000°. Principal axes: T 4.9900,Plg7.0000°,Azm147.0000°; N -0.4100,Plg76.0000°,Azm270.0000° ; P -4.5800,Plg11.0000°,Azm56.0000° M_θ4.80000×10^{17}

(651) North of Severnaya Zemlya

ISC	**VIII**	**13 08 35 01.9–.68**	**83.64N–.02**	**115.46E–.10**	**10–4**	**5.3b,4.8s**	**1395**	**12-174**
PDG	VIII	13 08 34 35.2	83.50N	114.10E	33	5.5b,4.8s		**¶13391614**
BJI	VIII	13 08 34 59.4	83.53N	115.23E	10	5.4b,5.2s		
ISCJB	VIII	13 08 34 59.9–.61	83.65N–.02	115.63E–.10	10–3	5.3b,4.8s		
IDC	VIII	13 08 35 00.0–.37	83.59N	115.49E	0	4.8s,4.8		
MOS	VIII	13 08 35 00.1–.83	83.54N	115.35E	10	5.6b,4.7s		
GCMT	VIII	13 08 35 02.4–.10	83.54N	115.02E	12	5.4W,4.7s		
NEIC	VIII	13 08 35 02.0–.09	83.64N	115.25E	10	5.5b,5.4W		
SZGRF	VIII	13 08 35 18.8	83.67N	97.98E	25	5.3b,4.7s		
DJA	VIII	13 08 35 23	83.19N	113.54E	171	4.8b,4.7s		

ISC Event type ke.
PDG Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=159.7.
IDC Error ellipse: s-maj=11.1km s-min=9.2km az=146.0.
MOS Error ellipse: s-maj=24.8km s-min=4.3km az=91.6.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=101, comp=205, per= 50. Moment Tensor Solution. s60,c79; s26,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.57±.02 $M_{\theta\theta}$0.43±.02; $M_{\phi\phi}$1.14±.02; $M_{r\theta}$-0.57±.06; $M_{\theta\phi}$-0.62±.02; $M_{\phi r}$-0.37±.06; Best double couple: NP1:ϕ_s131.00000°,δ47.00000°,λ-117.00000°. NP2:ϕ_s349.00000°,δ49.00000°,λ-63.00000°. Principal axes: T 1.5000,Plg1.0000°,Azm60.0000°; N 0.3100,Plg20.0000°,Azm151.0000° ; P -1.8100,Plg70.0000°,Azm328.0000° M_θ1.70000×10^{17}
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.6km az=166.0.
SZGRF North of Severnaya Zemlya.

(701) West of Macquarie Island

ISC	**VIII**	**13 16 24 38.0–.43**	**54.67S–.05**	**143.8E–.20**	**10**	**5.0s,4.7b**	**46**	**17-162**
BJI	VIII	13 16 24 35.4	54.60S	143.90E	10	5.5b,5.4b		**¶11180501**
IDC	VIII	13 16 24 35.9–.58	54.66S	143.83E	0	4.9s,4.9		
ISCJB	VIII	13 16 24 36.4–.45	54.67S–.06	143.7E–.20	10	5.0s,4.7b		
NEIC	VIII	13 16 24 37.5–.32	54.64S	143.90E	10	5.0b,5.0s		
GCMT	VIII	13 16 24 40.2–.10	54.78S	144.05E	12	5.3W,5.0s		

ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=15.9km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=7.8km az=8.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.1km az=93.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 86, comp=161, per= 50. Moment Tensor Solution. s64,c104; s17,c18; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.02 $M_{\theta\theta}$0.25±.02; $M_{\phi\phi}$-0.08±.02; $M_{r\theta}$-0.07±.05; $M_{\theta\phi}$-1.24±.02; $M_{\phi r}$0.03±.05; Best double couple: NP1:ϕ_s356.00000°,δ87.00000°,λ1.00000°. NP2:ϕ_s266.00000°,δ89.00000°,λ177.00000°. Principal axes: T 1.3400,Plg3.0000°,Azm221.0000°; N -0.1700,Plg87.0000°,Azm67.0000° ; P -1.1700,Plg1.0000°,Azm311.0000° M_θ1.30000×10^{17}

(651) North of Severnaya Zemlya

ISC	**VIII**	**13 18 30 57.6–.07**	**83.53N–.01**	**114.54E–.09**	**10**	**5.2s,5.2b**	**1392**	**12-173**
BJI	VIII	13 18 30 52.2	83.60N	114.50E	10	5.7b,5.6s		**¶13391663**
SZGRF	VIII	13 18 30 53.7	82.41N	119.10E	33	5.1b,5.0s		
ISCJB	VIII	13 18 30 55.6–.07	83.55N–.02	114.65E–.09	10	5.2s,5.2b		
MOS	VIII	13 18 30 55.5–.89	83.49N	114.58E	10	5.4b,5.2s		
IDC	VIII	13 18 30 55.2–.37	83.57N	114.84E	0	5.2,5.1s		
NEIC	VIII	13 18 30 57.3–.11	83.55N	114.52E	10	5.7W,5.3b		
GCMT	VIII	13 18 30 59.3–.10	83.48N	114.73E	12	5.7W,5.3b		
DJA	VIII	13 18 31 35	83.51N	110.71E	339	4.9b,5.3b		

ISC Event type se.
SZGRF North of Severnaya Zemlya.
ISCJB Event type se. Error ellipse: s-maj=2.3km s-min=1.3km az=157.7.
MOS Error ellipse: s-maj=26.3km s-min=5.0km az=92.6.
IDC Error ellipse: s-maj=11.9km s-min=9.3km az=145.0.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=1.9km az=168.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=244, per= 50. Moment Tensor Solution. s79,c129; s59,c78; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.96±.04 $M_{\theta\theta}$0.61±.04; $M_{\phi\phi}$3.35±.04; $M_{r\theta}$-1.43±.11; $M_{\theta\phi}$-1.69±.03; $M_{\phi r}$-0.18±.11; Best double couple: NP1:ϕ_s351.00000°,δ45.00000°,λ-64.00000°. NP2:ϕ_s137.00000°,δ51.00000°,λ-113.00000°. Principal axes: T 4.1800,Plg3.0000°,Azm243.0000°; N 0.2400,Plg18.0000°,Azm152.0000° ; P -4.4300,Plg72.0000°,Azm344.0000° M_θ4.30000×10^{17}

(216) Mariana Islands

ISC	**VIII**	**14 00 06 39.0–.62**	**16.46N–.02**	**146.98E–.02**	**39–5**	**5.4b,4.7s**	**934**	**4-169**
IDC	VIII	14 00 06 32.6–.38	16.48N	147.04E	0	5.2,5.2b		**¶11165617**
ISCJB	VIII	14 00 06 35.5–.97	16.46N–.02	146.95E–.02	25–6	5.4b,4.7s		
MOS	VIII	14 00 06 36.5–.90	16.51N	146.91E	33	5.6b,4.7s		
BJI	VIII	14 00 06 37.4	16.52N	147.26E	54	5.1b,5.0b		
GCMT	VIII	14 00 06 39.6–.30	16.31N	147.17E	29–1	5.1W,5.0b		
TEH	VIII	14 00 06 39.0	16.46N	146.96E	43	5.1W,5.0b		
NEIC	VIII	14 00 06 40.2–.83	16.43N	146.93E	53–7	5.5b,4.8s		
DJA	VIII	14 00 06 50	16.14N	146.75E	127	5.3b,4.8s		

ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=8.2km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.6km az=167.5.
MOS Error ellipse: s-maj=7.7km s-min=5.1km az=94.8.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s36,c57; s77,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.75±.20 $M_{\theta\theta}$-2.19±.14; $M_{\phi\phi}$4.94±.15; $M_{r\theta}$-0.54±.27; $M_{\theta\phi}$1.97±.14; $M_{\phi r}$3.58±.29; Best double couple: NP1:ϕ_s50.00000°,δ36.00000°,λ-33.00000°. NP2:ϕ_s168.00000°,δ71.00000°,λ-122.00000°. Principal axes: T 6.6600,Plg20.0000° ,Azm281.0000°; N -1.8600,Plg30.0000°,Azm179.0000°; P -4.8000,Plg53.0000° ,Azm40.0000° M_θ5.70000×10^{16}
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=3.1km az=134.0.

(221) Kuril Islands

ISC	**VIII**	**14 20 19 32.8–.81**	**46.55N–.07**	**153.21E–.10**	**42–8**	**4.2b,3.4s**	**83**	**4-79**
NIED	VIII	14 20 19 00	46.90N	153.20E	17	4.4W,3.4s		**¶11652932**
ISCJB	VIII	14 20 19 31.0–.99	46.58N–.07	153.12E–.10	47–10	4.2b,3.4s		
JMA	VIII	14 20 19 30.6–.90	46.87N	153.24E	30	4.8,3.4s		
MOS	VIII	14 20 19 31.7–1.2	46.76N	152.99E	50	4.5b,3.4s		
IDC	VIII	14 20 19 34.7–.76	46.91N	152.85E	56–6	4.1,3.9		
SKHL	VIII	14 20 19 34.4–.90	46.86N	152.93E	42–7	5.5s,5.0b		
NEIC	VIII	14 20 19 34.9–1.4	46.86N	152.90E	58–13	4.6b,5.0b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s107.00000°,δ66.00000°,λ-46.00000°. NP2:ϕ_s220.00000°,δ49.00000°,λ-147.00000°. M_θ4.29000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=6.2km az=137.8.
JMA Error ellipse: s-maj=8.9km s-min=9.1km az=-1.0.
MOS Error ellipse: s-maj=17.8km s-min=9.1km az=49.4.
IDC Error ellipse: s-maj=23.8km s-min=11.9km az=140.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=9.2km az=138.0.

(251) Samar

ISC	**VIII**	**15 10 25 18.3–.11**	**13.10N–.01**	**124.35E–.02**	**15**	**5.7s,5.7b**	**900**	**1-174**
BJI	VIII	15 10 25 14.1	13.03N	124.46E	10	6.1b,6.0s		**¶11165780**
IDC	VIII	15 10 25 14.2–.40	12.90N	124.32E	0	5.5s,5.5		
MAN	VIII	15 10 25 16	13.04N	124.32E	7	6.1b,5.8s		
NEIC	VIII	15 10 25 16.5–.17	12.90N	124.32E	10	5.9W,5.9W		
ISCJB	VIII	15 10 25 16.4–.11	13.11N–.01	124.39E–.02	14	5.7s,5.7b		
TEH	VIII	15 10 25 17.0	12.90N	124.29E	10	5.7s,5.7b		
GCMT	VIII	15 10 25 19.0–.10	13.07N	124.37E	15	6.0W,5.7b		
MOS	VIII	15 10 25 21.0–1.0	13.45N	124.17E	33	5.9b,5.7s		
DJA	VIII	15 10 25 24	13.09N	124.60E	73	6.2W,5.7s		
SZGRF	VIII	15 10 25 27.1	14.30N	124.82E	33	6.2s,5.7b		

ISC Event type de.
IDC Error ellipse: s-maj=12.5km s-min=9.9km az=44.0.
MAN Event type fe. INTENSITY VI - LEGASPI CITY; VIRAC CATANDUANES; INTENSITY V - SORSOGON CITY; IROSIN SORSOGON; INTENSITY IV - LIGNON HILL; INTENSITY III - NAGA CITY; BULAN SORSOGON; ROXAS CITY; MASBATE CITY; CATARMAN SAMAR; INTENSITY II - SILAY NEGROS OCCIDENTAL; TACLOBAN CITY; BORONGAN SAMAR.
NEIC Event type de. Error ellipse: s-maj=5.9km s-min=4.4km az=67.0. Minor damage at Legaspi, Luzon. Felt [VI PIVS] at Legaspi; [V PIVS] at Irosin and Sorsogon; [III PIVS] at Bulan and Naga; [II PIVS] at Guinayangan, Luzon. Also felt at Manila. Felt [VI PIVS] at Virac, Catanduanes. Felt [III PIVS] at Catarman and [II PIVS] at Borongan, Samar. Also felt [III PIVS] at Masbate, Masbate and at Roxas City, Panay. Felt [II PIVS] at Silay, Negros and at Tacloban, Leyte. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s14.00000°,δ82.00000°,λ176.00000°. NP2:ϕ_s105.00000°,δ86.00000°,λ8.00000°. Principal axes: T 1.0500,Plg8.0000°,Azm329.0000°; N -0.1100,Plg80.0000°,Azm133.0000° ; P -0.9400,Plg2.0000°,Azm239.0000° M_θ1.00000×10^{18}
ISCJB Event type de. Error ellipse: s-maj=2.8km s-min=1.8km az=177.8.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=255, per= 50. Moment Tensor Solution. s104,c225; s76,c113; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s202.00000°,δ81.00000°,λ-173.00000°. NP2:ϕ_s111.00000°,δ83.00000°,λ-9.00000°. Principal axes: T 1.3300,Plg1.0000°,Azm156.0000°; N -0.2500,Plg79.0000°,Azm251.0000° ; P -1.0700,Plg11.0000°,Azm66.0000° M_θ1.20000×10^{18}
MOS Error ellipse: s-maj=8.3km s-min=4.4km az=118.7.
SZGRF Luzon, Philippine Islands.

(333) Tuva-Buryatia-Mongolia border region

ISC	**VIII**	**16 04 01 07.4–.54**	**52.26N–.01**	**98.17E–.02**	**3–3**	**5.5s,5.3b**	**1328**	**1-166**
NNC	VIII	16 04 01 05.7–2.7	52.72N	98.31E	0	5.3b,5.3b		**¶13391853**
BJI	VIII	16 04 01 05.6	52.25N	98.09E	12	6.0s,5.8		
LDG	VIII	16 04 01 05.1–.14	52.13N	98.17E	10–0	5.2b,5.2s		
IDC	VIII	16 04 01 05.7–.41	52.21N	98.27E	0	5.3s,5.3		
ISCJB	VIII	16 04 01 06.8–.07	52.23N–.01	98.09E–.02	10	5.5s,5.3b		
MOS	VIII	16 04 01 06.6–1.1	52.20N	98.23E	15	5.5s,5.5b		
ASRS	VIII	16 04 01 07.8–1.6	52.56N	98.21E	15	5.8s,5.5b		
NEIC	VIII	16 04 01 08.6–1.5	52.27N	98.21E	12–9	5.6W,5.4s		
GCMT	VIII	16 04 01 11.7–.10	52.16N	98.31E	28–0	5.7W,5.4s		
BGS	VIII	16 04 01 11.3–1.8	51.95N	96.76E	14–0	5.8s,5.3b		
SZGRF	VIII	16 04 01 14.0	51.98N	97.65E	33	5.7s,5.3b		
DJA	VIII	16 04 01 27	51.82N	97.26E	150	5.3b,5.3b		

ISC Event type fe.
NNC Error ellipse: s-maj=34.4km s-min=24.6km az=12.0.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=73.0.
IDC Error ellipse: s-maj=12.1km s-min=8.8km az=13.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=16.9.
MOS Event type fe. Error ellipse: s-maj=6.2km s-min=4.0km az=38.0. Felt (VI) at Orlik; (V) at Mondy; (III-IV) at Irkutsk; (II-III) at Zakamensk, Angarsk, Zima, Tulun; (II) at Nizneudinsk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=181.0. Moment Tensor Solution. s111 Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$1.03 $M_{\phi\phi}$-1.97 $M_{r\theta}$-0.10 $M_{\theta\phi}$2.32 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s106.00000°,δ85.00000°,λ-1.00000°. NP2:ϕ_s196.00000°,δ89.00000°,λ-175.00000°. Principal axes: T 2.2900,Plg2.0000°,Azm331.0000° ; N 0.9600,Plg85.0000°,Azm213.0000°; P -3.2500,Plg4.0000°,Azm61.0000° M_θ2.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=118, comp=242, per= 50. Moment Tensor Solution. s82,c159; s37,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.05 $M_{\theta\theta}$1.74±.05; $M_{\phi\phi}$-2.62±.05; $M_{r\theta}$0.63±.11; $M_{\theta\phi}$4.09±.05; $M_{\phi r}$0.19±.10; Best double couple: NP1:ϕ_s14.00000°,δ81.00000°,λ174.00000°. NP2:ϕ_s105.00000°,δ84.00000°,λ9.00000°. Principal axes: T 4.3100,Plg10.0000°,Azm329.0000°; N 0.7600,Plg79.0000°,Azm140.0000° ; P -5.0800,Plg2.0000°,Azm239.0000° M_θ4.70000×10^{17}
BGS Error ellipse: s-maj=282.9km s-min=731.6km az=-1.0.
SZGRF Tuva-Buryatia-Mongolia border region.

(249) Luzon

ISC	**VIII**	**17 20 46 49.9–.31**	**13.06N–.02**	**124.39E–.03**	**39–2**	**5.2b,5.1s**	**485**	**1-167**
IDC	VIII	17 20 46 43.9–.40	13.01N	124.33E	0	4.9,4.9b		**¶11167639**
NEIC	VIII	17 20 46 45.6–.14	12.97N	124.30E	10	5.2b,4.9b		
ISCJB	VIII	17 20 46 46.7–.54	13.10N–.02	124.41E–.02	27–3	5.2b,5.1s		
MAN	VIII	17 20 46 46	13.08N	124.28E	13	5.7b,5.2s		
BJI	VIII	17 20 46 46.2	12.99N	124.43E	29	5.4s,5.3b		
DJA	VIII	17 20 46 48	13.31N	124.35E	10	5.4b,5.3b		
GCMT	VIII	17 20 46 48.0–.10	13.11N	124.34E	14–0	5.4W,5.3b		
MOS	VIII	17 20 46 49.4–.90	13.36N	124.23E	33	5.4b,5.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=10.1km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=66.0. Felt [IV PIVS] at Virac, Catanduanes. Felt [III PIVS] at Legaspi and Sorsogon, Luzon.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=170.2.
MAN Event type fe. INTENSITY IV - VIRAC CATANDUANES; INTENSITY III - SORSOGN CITY LEGASPI CITY; INTENSITY II - LIGNON HILL.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 104 sta. Moment Tensor Solution. s90,c161; s99,c207; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36±.03 $M_{\theta\theta}$1.38±.03; $M_{\phi\phi}$-1.02±.03; $M_{r\theta}$0.15±.05; $M_{\theta\phi}$1.39±.02; $M_{\phi r}$0.11±.05; Best double couple: NP1:ϕ_s110.00000°,δ86.00000°,λ2.00000°. NP2:ϕ_s20.00000°,δ88.00000°,λ176.00000°. Principal axes: T 2.0300,Plg4.0000°,Azm335.0000°; N -0.3800,Plg85.0000°,Azm176.0000° ; P -1.6600,Plg2.0000°,Azm65.0000° M_θ1.80000×10^{17}
MOS Error ellipse: s-maj=9.2km s-min=5.0km az=118.6.

(222) East of Kuril Islands

ISC	**VIII**	**18 01 46 31.7–.93**	**47.32N–.03**	**153.94E–.03**	**27–6**	**5.2b,4.6s**	**713**	**4-155**
NIED	VIII	18 01 46 00	47.50N	154.30E	17	5.1W,4.6s		**¶13391965**
ISCJB	VIII	18 01 46 27.9–.90	47.23N–.03	153.97E–.03	16–6	5.2b,4.6s		
BJI	VIII	18 01 46 28.5	47.37N	154.07E	28	5.2b,5.1b		
SKHL	VIII	18 01 46 28.4–1.0	46.94N	154.57E	42–1	6.0b,5.6		
IDC	VIII	18 01 46 31.5–3.5	47.22N	154.00E	33–26	4.8,4.7		
MOS	VIII	18 01 46 32.7–1.1	47.15N	153.92E	56	5.4b,4.6s		
NEIC	VIII	18 01 46 32.5–.25	47.26N	153.93E	35	5.1b,4.6s		
GCMT	VIII	18 01 46 33.6–.20	47.21N	154.38E	18–0	5.1W,4.6s		
SZGRF	VIII	18 01 46 42.6	48.64N	152.73E	47	5.5b,4.6s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ80.00000°,λ113.00000°. NP2:ϕ_s338.00000°,δ25.00000°,λ23.00000°. M_θ5.87000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=2.8km az=158.2.
IDC Error ellipse: s-maj=17.4km s-min=11.9km az=152.0.
MOS Error ellipse: s-maj=7.5km s-min=4.1km az=107.6.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.5km az=172.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s60,c101; s85,c155; Moment tensor: Scale 10^{16}Nm; M_{rr}4.65±.14 $M_{\theta\theta}$-1.12±.10; $M_{\phi\phi}$-3.53±.10; $M_{r\theta}$1.06±.25; $M_{\theta\phi}$-2.30±.07; $M_{\phi r}$1.89±.23; Best double couple: NP1:ϕ_s212.00000°,δ33.00000°,λ91.00000°. NP2:ϕ_s30.00000°,δ57.00000°,λ89.00000°. Principal axes: T 5.1200,Plg78.0000°

,Azm297.0000°; N 0.2700,Plg1.0000°,Azm31.0000°; P -5.3900,Plg12.0000°,Azm121.0000° $M_0$5.30000×10^{16}

SZGRF Kuril Islands, Russia.

(9) Fox Islands

ISC	**VIII**	**18 02 21 19.5–.46**	**52.09N–.03**	**170.62W–.02**	**36–3**	**5.3b,4.6s**	**1321**	**1-161**
ISCJB	VIII	18 02 21 14.7–.89	52.03N–.02	170.64W–.02	15–6	5.3b,4.6s		¶13391972
BGS	VIII	18 02 21 17.1–1.7	51.83N	170.92W	33–0	5.0b,4.6s		
IDC	VIII	18 02 21 17.8–2.5	52.12N	170.65W	26–15	5.2,5.2		
MOS	VIII	18 02 21 17.3–1.0	52.03N	170.64W	33	5.6b,4.6s		
NEIC	VIII	18 02 21 19.1–.97	52.15N	170.60W	31–6	5.3b,5.0L		
GCMT	VIII	18 02 21 20.9–.20	51.92N	170.61W	22–0	5.2W,5.0L		
BJI	VIII	18 02 21 20.4	52.48N	171.27W	42	5.5b,5.2b		
SZGRF	VIII	18 02 21 21.8	52.65N	171.65W	33	5.6b,5.2b		
DJA	VIII	18 02 21 37	52.12N	171.27W	177	5.2b,5.2b		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.1km az=14.5.

BGS Error ellipse: s-maj=252.5km s-min=999.9km az=-1.0.

IDC Error ellipse: s-maj=16.5km s-min=10.0km az=172.0.

MOS Error ellipse: s-maj=6.8km s-min=3.6km az=90.5.

NEIC Event type se. Error ellipse: s-maj=4.9km s-min=2.4km az=191.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c117; s82,c148; Moment tensor: Scale 10^{16}Nm; M_{rr}5.07±.16 $M_{\theta\theta}$-5.21±.13; $M_{\phi\phi}$0.15±.11; $M_{r\theta}$4.29±.24; $M_{\theta\phi}$-2.61±.09; $M_{\phi r}$2.11±.22; Best double couple: NP1:ϕ_s252.00000°,δ25.00000°,λ97.00000°. NP2:ϕ_s65.00000°,δ65.00000°,λ87.00000°. Principal axes: T 6.8300,Plg70.0000° ,Azm328.0000°; N 1.1900,Plg3.0000°,Azm66.0000°; P -8.0100,Plg20.0000°,Azm157.0000° $M_0$7.40000×10^{16}

SZGRF Fox Islands, Aleutian Islands, United States.

(408) Ascension Island region

ISC	**VIII**	**19 08 33 54.2–1.6**	**8.20S–.04**	**13.46W–.03**	**3–9**	**5.2b,4.9s**	**632**	**11-150**
ISCJB	VIII	19 08 33 53.7–.19	8.14S–.04	13.38W–.03	10	5.2b,4.9s		¶11169866
IDC	VIII	19 08 33 53.2–.45	8.19S	13.47W	0	4.9s,4.9		
MOS	VIII	19 08 33 54.0–1.0	8.01S	13.46W	10	5.5b,4.8s		
INMG	VIII	19 08 33 55.3	8.24S	13.47W	10	5.3s,4.8s		
NEIC	VIII	19 08 33 55.2–.21	8.20S	13.45W	10	5.3b,4.8s		
GCMT	VIII	19 08 33 57.7–.10	8.09S	13.53W	12	5.5W,4.8s		
SZGRF	VIII	19 08 33 59.5	7.97S	13.01W	33	5.4b,5.1s		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=146.5.

IDC Error ellipse: s-maj=13.6km s-min=12.3km az=2.0.

MOS Error ellipse: s-maj=9.4km s-min=3.8km az=73.6.

NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.1km az=143.0.

GCMT Event type se. Data Used: II IU IC CN G. Surface waves from 104 sta. Moment Tensor Solution. s70,c122; s99,c195; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.90±.03 $M_{\theta\theta}$-1.08±.03; $M_{\phi\phi}$1.98±.03; $M_{r\theta}$0.28±.07; $M_{\theta\phi}$0.74±.03; $M_{\phi r}$-0.45±.06; Best double couple: NP1: ϕ_s234.00000°,δ62.00000°,λ-20.00000°. NP2:ϕ_s334.00000°,δ72.00000°,λ-150.00000°. Principal axes: T 2.2000,Plg7.0000°,Azm102.0000°; N -0.7000,Plg56.0000°,Azm2.0000° ; P -1.5000,Plg34.0000°,Azm197.0000° $M_0$1.90000×10^{17}

SZGRF Ascension Island region.

(685) Easter Island region

ISC	**VIII**	**19 10 58 01.1–.21**	**28.45S–.04**	**112.90W–.04**	**10**	**5.4b,5.3s**	**702**	**3-173**
IDC	VIII	19 10 57 59.0–.43	28.38S	113.05W	0	5.3s,5.3		¶11169872
ISCJB	VIII	19 10 57 59.4–.21	28.36S–.04	112.89W–.04	10	5.4b,5.3s		
MOS	VIII	19 10 57 59.9–1.1	28.28S	112.97W	10	5.7b,5.3s		
BJI	VIII	19 10 57 59.5	28.20S	113.47W	9	5.8b,5.7s		
NEIC	VIII	19 10 58 00.2–.16	28.55S	112.84W	9	5.7W,5.7W		
GCMT	VIII	19 10 58 06.5–.10	28.65S	112.79W	13–0	5.7W,5.7W		

ISC Event type se.

IDC Error ellipse: s-maj=17.2km s-min=15.8km az=91.0.

ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=144.4.

MOS Error ellipse: s-maj=12.7km s-min=6.3km az=80.9.

NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.7km az=113.0. Moment Tensor Solution. s85 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32 $M_{\theta\theta}$-2.05 $M_{\phi\phi}$2.38 $M_{r\theta}$-1.10 $M_{\theta\phi}$3.02 $M_{\phi r}$0.16 Best double couple: NP1:ϕ_s71.00000°,δ82.00000°,λ-15.00000°. NP2:ϕ_s163.00000° ,δ75.00000°,λ-172.00000°. Principal axes: T 3.9400,Plg4.0000°,Azm117.0000° ; N -0.0400,Plg72.0000°,Azm223.0000°; P -3.8900,Plg16.0000°,Azm26.0000° $M_0$3.90000×10^{17}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=223, per= 50. Moment Tensor Solution. s99,c179; s64,c82; Moment tensor: Scale 10^{17}Nm; M_{rr}1.78±.05 $M_{\theta\theta}$-2.94±.05; $M_{\phi\phi}$1.16±.05; $M_{r\theta}$-0.08±.11; $M_{\theta\phi}$3.52±.04; $M_{\phi r}$0.12±.12; Best double couple: NP1:ϕ_s75.00000°,δ87.00000°,λ1.00000°. NP2:ϕ_s345.00000°,δ89.00000°,λ177.00000°. Principal axes: T 3.1900,Plg3.0000°,Azm300.0000°; N 1.7800,Plg87.0000°,Azm143.0000° ; P -4.9700,Plg1.0000°,Azm30.0000° $M_0$4.10000×10^{17}

(169) Samoa Islands region

ISC	**VIII**	**19 13 37 31.2–.20**	**15.06S–.06**	**173.39W–.04**	**35**	**5.3s,5.0b**	**616**	**2-175**
IDC	VIII	19 13 37 25.9–.48	15.06S	173.47W	0	5.2s,5.2		¶11169878
NEIC	VIII	19 13 37 28.2–.25	14.92S	173.25W	10	5.7W,5.4s		
ISCJB	VIII	19 13 37 29.5–.21	15.03S–.06	173.35W–.04	33	5.3s,5.0b		
BJI	VIII	19 13 37 31.6	14.21S	174.10W	10	5.6b,5.4s		
MOS	VIII	19 13 37 33.6–1.5	14.23S	172.95W	33	5.3s,5.3b		
GCMT	VIII	19 13 37 34.5–.10	14.83S	173.17W	13–0	5.6W,5.3b		

ISC Event type se.

IDC Error ellipse: s-maj=21.9km s-min=14.0km az=148.0.

NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.4km az=165.0.

ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.7km az=159.4.

MOS Error ellipse: s-maj=11.3km s-min=8.0km az=53.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=220, per= 50. Moment Tensor Solution. s87,c157; s36,c36; Moment tensor: Scale 10^{17}Nm; M_{rr}0.46±.03 $M_{\theta\theta}$1.21±.03; $M_{\phi\phi}$-1.66±.03; $M_{r\theta}$0.57±.07; $M_{\theta\phi}$1.70±.03; $M_{\phi r}$1.94±.15; Best double couple: NP1:ϕ_s111.00000°,δ47.00000°,λ7.00000°. NP2:ϕ_s16.00000°,δ85.00000°,λ137.00000°. Principal axes: T 2.8900,Plg33.0000°,Azm324.0000°; N 0.2800,Plg46.0000°,Azm191.0000° ; P -3.1600,Plg25.0000°,Azm72.0000° $M_0$3.00000×10^{17}

(173) Tonga Islands

ISC	**VIII**	**19 16 30 17.1–.15**	**15.14S–.04**	**173.48W–.03**	**35**	**5.8s,5.5b**	**784**	**2-175**
BJI	VIII	19 16 30 11.9	15.02S	173.41W	9	6.0b,5.9s		¶13392119
IDC	VIII	19 16 30 11.9–.44	15.14S	173.53W	0	5.7s,5.7		
NEIC	VIII	19 16 30 13.2–.13	15.09S	173.48W	8	6.1W,6.0W		
ISCJB	VIII	19 16 30 15.3–.15	15.11S–.04	173.49W–.03	33	5.8s,5.5b		
INMG	VIII	19 16 30 16.2	15.06S	173.52W	8	6.1W,5.5b		
MOS	VIII	19 16 30 18.2–1.2	14.43S	173.49W	33	5.8s,5.8b		
GCMT	VIII	19 16 30 20.6–.10	14.85S	173.23W	12	6.0W,5.8b		
DJA	VIII	19 16 30 34	16.05S	174.40W	133	5.1b,5.8b		

ISC Event type se.

IDC Error ellipse: s-maj=16.2km s-min=12.4km az=135.0.

NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.6km az=157.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s220.00000°,δ85.00000° ,λ-90.00000°. NP2:ϕ_s40.00000°,δ5.00000°,λ-90.00000°. Principal axes: T Plg40.0000° ,Azm310.0000°; N Plg0.0000°,Azm0.0000°; P Plg50.0000°,Azm130.0000° Moment Tensor Solution. s95 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.20 $M_{\theta\theta}$0.83 $M_{\phi\phi}$-0.63 $M_{r\theta}$0.44 $M_{\theta\phi}$0.00 $M_{\phi r}$1.24 Best double couple: NP1:ϕ_s121.00000°,δ30.00000°,λ-6.00000°. NP2:ϕ_s216.00000° ,δ87.00000°,λ-119.00000°. Principal axes: T 1.1900,Plg35.0000°,Azm331.0000° ; N 0.5200,Plg29.0000°,Azm217.0000°; P -1.7100,Plg40.0000°,Azm98.0000° $M_0$1.50000×10^{18} Moment Tensor Solution. $M_0$1.10000×10^{18}

ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.2km az=160.5.

MOS Error ellipse: s-maj=9.8km s-min=7.2km az=67.6.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=261, per= 50. Moment Tensor Solution. s105,c228; s78,c100; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s111.00000° ,δ46.00000°,λ4.00000°. NP2:ϕ_s18.00000°,δ87.00000°,λ136.00000°. Principal axes: T 1.1300,Plg32.0000°,Azm325.0000°; N 0.0700,Plg46.0000°,Azm195.0000° ; P -1.2000,Plg27.0000°,Azm74.0000° $M_0$1.20000×10^{18}

(249) Luzon

ISC	**VIII**	**20 13 18 06.5–.33**	**13.05N–.02**	**124.41E–.03**	**43–3**	**5.2b,4.8s**	**474**	**1-167**
IDC	VIII	20 13 17 59.6–.38	12.94N	124.38E	0	5.0,5.0		¶11180567
MAN	VIII	20 13 18 02	13.04N	124.35E	13	5.7b,5.2s		
BJI	VIII	20 13 18 03.2	12.89N	124.49E	44	5.3b,5.0s		
MOS	VIII	20 13 18 03.4–1.0	12.99N	124.36E	33	5.4b,4.8s		
ISCJB	VIII	20 13 18 04.0–.37	13.06N–.02	124.45E–.02	35–3	5.2b,4.8s		
GCMT	VIII	20 13 18 04.8–.10	13.11N	124.36E	22–1	5.3W,4.8s		
NEIC	VIII	20 13 18 05.2–.65	12.95N	124.32E	36–5	5.2b,5.0s		
TEH	VIII	20 13 18 06.0	12.91N	124.30E	35	5.2b,5.0s		
DJA	VIII	20 13 18 16	13.10N	124.38E	125	5.4W,5.0s		

ISC Event type fe.

IDC Error ellipse: s-maj=17.1km s-min=10.2km az=69.0.

MAN Event type fe. INTENSITY V - CABID-AN SORSOGON CITY; INTENSITY IV - LEGASPI CITY; INTENSITY III - LIGNON HILL.

MOS Error ellipse: s-maj=8.7km s-min=4.8km az=116.7.

ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=171.5.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c102; s87,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.44±.17 $M_{\theta\theta}$3.74±.15; $M_{\phi\phi}$-3.31±.15; $M_{r\theta}$6.76±.44; $M_{\theta\phi}$6.24±.13; $M_{\phi r}$0.43±.25; Best double couple: NP1:ϕ_s11.00000°,δ48.00000°,λ178.00000°. NP2:ϕ_s102.00000°,δ89.00000°,λ42.00000°. Principal axes: T 10.8000,Plg29.0000° ,Azm335.0000°; N -2.3000,Plg48.0000°,Azm104.0000°; P -8.5000,Plg27.0000° ,Azm228.0000° $M_0$9.70000×10^{16}

NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.3km az=71.0. Felt [V PIVS] at Sorsogon and [IV PIVS] at Legaspi, Luzon.

(297) Myanmar-China border region

ISC	**VIII**	**21 12 20 54.9–.86**	**24.88N–.03**	**97.81E–.02**	**7–6**	**5.5s,4.7b**	**287**	**4-149**
ISCJB	VIII	21 12 20 53.6–.21	24.90N–.03	97.81E–.02	10	5.5s,4.7b		¶13392263
BJI	VIII	21 12 20 54.3	24.93N	97.81E	16	5.3s,5.1L		
MOS	VIII	21 12 20 56.4–1.5	24.87N	97.93E	33	5.1b,5.1L		
IDC	VIII	21 12 20 57.0–3.6	24.89N	97.87E	33–28	4.9L,4.2		
NEIC	VIII	21 12 20 58.8–1.0	24.86N	97.82E	37–10	4.9b,4.2		
SZGRF	VIII	21 12 21 08.6	24.81N	96.44E	33	5.0b,4.2		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.0km az=179.8.

MOS Error ellipse: s-maj=9.6km s-min=4.6km az=118.6.

IDC Error ellipse: s-maj=15.7km s-min=10.4km az=56.0.

NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.7km az=210.0.

SZGRF Myanmar.

(297) Myanmar-China border region

ISC	**VIII**	**21 12 24 31.9–.10**	**25.21N–.02**	**97.72E–.02**	**10**	**5.8s,5.4b**	**978**	**3-169**
BJI	VIII	21 12 24 27.8	24.91N	97.79E	14	6.1s,5.8L		¶13392265
NEIC	VIII	21 12 24 30.9–.14	25.04N	97.70E	10	6.6,6.0W		
ISCJB	VIII	21 12 24 30.0–.11	25.20N–.02	97.69E–.02	10	5.8s,5.4b		
IDC	VIII	21 12 24 31.0–1.7	25.10N	98.06E	16–9	5.7L,5.6s		
MOS	VIII	21 12 24 31.7–1.1	25.01N	97.83E	33	5.7s,5.6b		
GCMT	VIII	21 12 24 35.7–.10	24.92N	97.99E	18–0	6.0W,5.6b		
SZGRF	VIII	21 12 24 35.6	24.70N	97.42E	33	5.9b,5.9s		
DJA	VIII	21 12 24 35	25.28N	97.95E	13	5.9W,5.9s		
BGS	VIII	21 12 24 36.3–2.3	26.19N	97.65E	10–0	5.9s,5.3b		
CSEM	VIII	21 12 24 48.0–99	33.00N	8.00E	1	5.9s,5.3b		

ISC Event type de.

NEIC Event type de. Error ellipse: s-maj=4.6km s-min=3.0km az=23.0. Five people killed, 127 injured and severe damage at Yingjiang, China. Felt [II] at Bangkok, Thailand. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000° ,δ85.00000°,λ-10.00000°. NP2:ϕ_s326.00000°,δ80.00000°,λ-175.00000°. Principal axes: T Plg3.0000°,Azm281.0000°; N Plg0.0000°,Azm0.0000°; P Plg11.0000°,Azm190.0000° Moment Tensor Solution. s81 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s295.00000°,δ34.00000°,λ0.00000°. NP2:ϕ_s205.00000°,δ90.00000°,λ124.00000°. Principal axes: T 1.2400,Plg36.0000° ,Azm143.0000°; N -0.5500,Plg33.0000°,Azm24.0000°; P -0.6900,Plg35.0000° ,Azm265.0000° $M_0$1.10000×10^{18}

ISCJB Event type de. Error ellipse: s-maj=2.8km s-min=2.0km az=13.7.

IDC Error ellipse: s-maj=11.8km s-min=8.0km az=53.0.

MOS Error ellipse: s-maj=7.8km s-min=4.0km az=121.6.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=111, comp=254, per= 50. Moment Tensor Solution. s105,c200; s81,c128; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07±.01 $M_{\theta\theta}$0.36±.01; $M_{\phi\phi}$-0.28±.01; $M_{r\theta}$0.24±.02; $M_{\theta\phi}$1.25±.01; $M_{\phi r}$0.05±.02; Best double couple: NP1:ϕ_s7.00000°,δ80.00000°,λ178.00000°. NP2:ϕ_s97.00000°,δ88.00000°,λ10.00000°. Principal axes: T 1.3600,Plg9.0000°,Azm323.0000°; N -0.1000,Plg80.0000°,Azm111.0000° ; P -1.2600,Plg5.0000°,Azm232.0000° $M_0$1.30000×10^{18}

SZGRF Myanmar-China border region.

BGS Error ellipse: s-maj=724.6km s-min=962.9km az=-1.0.

CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MOLD.

(427) Mauritius - Reunion region

ISC	**VIII**	**22 07 47 41.0–1.1**	**17.84S–.03**	**65.42E–.02**	**16–7**	**5.6s,5.5b**	**761**	**8-165**
ISCJB	VIII	22 07 47 36.7–1.0	17.82S–.03	65.46E–.02	0–6	5.6s,5.6b		¶11184393
IDC	VIII	22 07 47 38.0–.46	17.77S	65.50E	0	5.4s,5.4		
BJI	VIII	22 07 47 38.6	17.31S	65.06E	8	5.7s,5.7b		
NEIC	VIII	22 07 47 39.6–.16	17.77S	65.39E	6	6.0W,5.9W		
MOS	VIII	22 07 47 41.6–1.1	17.30S	65.38E	15	5.7b,5.4s		
PRE	VIII	22 07 47 42.0–2.6	17.80S	65.44E	23–0	5.2b,5.4s		
TEH	VIII	22 07 47 43.0	17.94S	65.41E	33	5.2b,5.4s		
DJA	VIII	22 07 47 44	17.73S	65.33E	20	5.5b,5.4s		
GCMT	VIII	22 07 47 44.2–.10	17.71S	65.42E	16–0	6.0W,5.4s		
SZGRF	VIII	22 07 47 45.8	17.40S	64.27E	33	5.6b,5.2s		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.0km az=173.5.

IDC Error ellipse: s-maj=15.7km s-min=12.6km az=7.0.

NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=15.0. Moment Tensor Solution. s48 Moment tensor: Scale 10^{17}Nm; M_{rr}1.39 $M_{\theta\theta}$-8.08 $M_{\phi\phi}$6.69 $M_{r\theta}$-1.99 $M_{\theta\phi}$3.76 $M_{\phi r}$1.96 Best double couple: NP1:ϕ_s58.00000°,δ72.00000°,λ0.00000°. NP2:ϕ_s328.00000°,δ90.00000° ,λ162.00000°. Principal axes: T 7.9300,Plg13.0000°,Azm281.0000°; N 1.5900,Plg71.0000° ,Azm146.0000°; P -9.5100,Plg12.0000°,Azm14.0000° $M_0$8.80000×10^{17}

MOS Error ellipse: s-maj=9.1km s-min=4.3km az=111.3.

PRE Error ellipse: s-maj=27.4km s-min=116.9km az=-1.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=245, per= 50. Moment Tensor Solution. s107,c225; s89,c124; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12±.01 $M_{\theta\theta}$-1.10±.01; $M_{\phi\phi}$1.22±.01; $M_{r\theta}$-0.17±.02; $M_{\theta\phi}$0.57±.01; $M_{\phi r}$0.03±.02; Best double couple: NP1:ϕ_s148.00000°,δ84.00000°,λ-174.00000°. NP2:ϕ_s58.00000°,δ84.00000°,λ-7.00000°. Principal axes: T 1.3500,Plg1.0000°,Azm103.0000°; N -0.0900,Plg81.0000°,Azm197.0000° ; P -1.2600,Plg9.0000°,Azm13.0000° $M_0$1.30000×10^{18}

SZGRF Mauritius - Reunion region.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**22 10 59 51.5–.21**	**36.50N–.02**	**140.44E–.02**	**61–1**	**5.4b**	**1349**	**0-162**
NIED	VIII	22 10 59 00	36.50N	140.70E	59	5.1W		¶13392325
BJI	VIII	22 10 59 43.2	36.31N	140.94E	41	5.4b,5.2b		
MOS	VIII	22 10 59 46.6–.79	36.52N	140.45E	33	5.7b,4.3s		
SZGRF	VIII	22 10 59 47.6	37.14N	141.70E	33	5.7b,4.8s		
JMA	VIII	22 10 59 50.1–.10	36.44N	140.62E	56–1	5.2,4.8s		
ISCJB	VIII	22 10 59 50.5–.21	36.48N–.02	140.44E–.02	65–1	5.3b,4.8s		
NEIC	VIII	22 10 59 50.1–.48	36.46N	140.40E	52–4	5.2b,5.1W		
IDC	VIII	22 10 59 51.9–1.1	36.43N	140.45E	70–9	5.0,5.0		
BGS	VIII	22 10 59 54.5–1.6	36.56N	137.60E	50–999	5.4b,5.0		
GCMT	VIII	22 10 59 54.5–.20	36.45N	140.72E	59–1	5.2W,5.0		
DJA	VIII	22 10 59 56	36.41N	140.32E	94	5.7b,5.0		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ67.00000°,λ86.00000°. NP2:ϕ_s207.00000°,δ23.00000°,λ99.00000°. $M_0$5.02000×10^{16}

MOS Error ellipse: s-maj=7.0km s-min=3.6km az=107.8.

SZGRF Near east coast of eastern Honshu, Japan.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s213.00000°,δ16.00000°,λ102.00000°. NP2:ϕ_s20.00000°,δ74.00000°,λ86.00000°. Principal axes: T Plg61.0000°,Azm285.0000°; N Plg3.0000°,Azm21.0000°; P Plg29.0000° ,Azm113.0000°

ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=153.7.

NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.5km az=153.0. Moment Tensor Solution. $M_0$5.00000×10^{16}

IDC Error ellipse: s-maj=10.7km s-min=7.0km az=88.0.

BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s50,c71; s86,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}6.32±.23 $M_{\theta\theta}$-0.47±.17; $M_{\phi\phi}$-5.85±.16; $M_{r\theta}$0.61±.13; $M_{\theta\phi}$-2.21±.12; $M_{\phi r}$3.13±.12; Best double couple: NP1:ϕ_s204.00000°,δ32.00000°,λ97.00000°. NP2:ϕ_s16.00000°,δ58.00000°,λ86.00000°. Principal axes: T 7.0800,Plg76.0000° ,Azm272.0000°; N 0.2900,Plg4.0000°,Azm18.0000°; P -7.3700,Plg13.0000°,Azm109.0000° $M_0$7.20000×10^{16}

(179) South of Kermadec Islands

ISC	**VIII**	**24 05 23 43.2–1.6**	**33.45S–.04**	**179.30W–.05**	**26–11**	**5.2b,4.8s**	**366**	**5-173**
ISCJB	VIII	24 05 23 41.2–1.6	33.51S–.04	179.29W–.05	23–11	5.2b,4.8s		¶13392456
BJI	VIII	24 05 23 42.3	33.37S	178.75W	46	5.5b,5.3s		

MOS VIII 24 05 23 42.6–.96 33.17S 179.32W 33 5.6b,4.9s
NEIC VIII 24 05 23 45.3–.20 33.29S 179.38W 50 5.4b,4.9s
GCMT VIII 24 05 23 46.1–.10 33.30S 179.21W 63–2 5.3W,4.9s
IDC VIII 24 05 23 46.2–.56 33.17S 179.49W 59–4 4.8,4.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.9km az=44.5.
MOS Error ellipse: s-maj=14.2km s-min=12.0km az=77.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.4km az=138.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s78,c138; s90,c150; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29±.02 $M_{\theta\theta}$0.09±.02; $M_{\phi\phi}$0.21±.02; $M_{r\theta}$0.18±.01; $M_{\theta\phi}$-0.09±.02; $M_{\phi r}$1.18±.02; Best double couple: NP1:ϕ_s328.00000°,δ7.00000°,λ-129.00000°. NP2:ϕ_s187.00000°,δ84.00000°,λ-85.00000°. Principal axes: T 1.1700,Plg39.0000° ,Azm273.0000°; N 0.1100,Plg5.0000°,Azm7.0000°; P -1.2800,Plg50.0000°,Azm102.0000° $M_0$1.20000×10^{17}
IDC Error ellipse: s-maj=14.3km s-min=12.8km az=44.0.

(243) Taiwan region

ISC VIII 25 02 39 43.3–.51 21.17N–.07 121.3E–.10 35 5.5s,4.1b 27 4-86
NIED VIII 25 02 39 00 21.10N 121.30E 8 4.7W,4.1b **¶11653075**
IDC VIII 25 02 39 38.1–.65 21.10N 121.23E 0 5.5,5.5s
BJI VIII 25 02 39 40.5 21.16N 120.84E 20 4.5s,4.5b
ISCJB VIII 25 02 39 41.1–.51 21.15N–.07 121.3E–.10 33 5.5s,4.1b
NEIC VIII 25 02 39 44.5–2.2 21.11N 121.22E 46–21 4.4b,4.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ68.00000°,λ-55.00000°. NP2:ϕ_s69.00000°,δ41.00000°,λ-145.00000°. $M_0$1.06000×10^{16}
IDC Error ellipse: s-maj=25.1km s-min=14.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=9.0km az=158.3.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=12.6km az=70.0.

(256) Leyte

ISC VIII 25 02 43 08.9–.35 10.29N–.02 125.30E–.03 48–3 5.7s,5.5b 588 1-166
DJA VIII 25 02 43 04 10.75N 125.67E 30 5.5b,5.5b **¶13392533**
MAN VIII 25 02 43 05 10.24N 125.11E 5 6.1b,5.7s
MOS VIII 25 02 43 05.8–1.1 10.34N 125.23E 33 5.7b,5.6s
IDC VIII 25 02 43 05.7–2.0 10.36N 125.23E 21–12 5.6s,5.6
ISCJB VIII 25 02 43 06.3–.37 10.28N–.02 125.32E–.02 40–3 5.7s,5.5b
NEIC VIII 25 02 43 06.4–.16 10.31N 125.25E 27 5.8W,5.8W
BJI VIII 25 02 43 06.0 10.22N 125.47E 49 5.9s,5.7b
GCMT VIII 25 02 43 08.3–.10 10.30N 125.27E 12 5.8W,5.7b
TEH VIII 25 02 43 09.0 10.25N 125.28E 49 5.8W,5.7b
ISC Event type fe.
MAN Event type fe. INTENSITY VI - ST BERNARD S. LEYTE; INTENSITY V - HILONGOS; SOGOD S. LEYTE; INTENSITY IV - SURIGAO CITY.
MOS Error ellipse: s-maj=8.4km s-min=4.2km az=117.6.
IDC Error ellipse: s-maj=14.8km s-min=7.5km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=161.0.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.6km az=60.0. Felt [V PIVS] at Hilongos and Sogod; [IV PIVS] at Saint Bernard; [III PIVS] at Maasin and Tacloban. Also felt [IV PIVS] at Surigao and [II PIVS] at Butuan, Mindanao. Felt [II PIVS] at Cebu City, Cebu and on Camiguin Island. Felt at Talisay, Negros. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74 $M_{\theta\theta}$4.32 $M_{\phi\phi}$-5.07 $M_{r\theta}$0.44 $M_{\theta\phi}$-3.07 $M_{\phi r}$-0.72 Best double couple: NP1:ϕ_s152.00000°,δ88.00000°,λ9.00000°. NP2:ϕ_s61.00000°,δ81.00000°,λ178.00000°. Principal axes: T 5.3200,Plg7.0000°,Azm16.0000°; N 0.7000,Plg80.0000°,Azm165.0000° ; P -6.0300,Plg4.0000°,Azm286.0000° $M_0$5.70000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=119, comp=249, per= 50. Moment Tensor Solution. s105,c201; s80,c111; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.05 $M_{\theta\theta}$5.43±.05; $M_{\phi\phi}$-4.41±.06; $M_{r\theta}$0.07±.15; $M_{\theta\phi}$-4.99±.05; $M_{\phi r}$-1.67±.15; Best double couple: NP1:ϕ_s68.00000°,δ76.00000°,λ-173.00000°. NP2:ϕ_s337.00000°,δ83.00000°,λ-14.00000°. Principal axes: T 7.5800,Plg5.0000°,Azm23.0000°; N -0.6900,Plg75.0000°,Azm131.0000° ; P -6.8900,Plg15.0000°,Azm292.0000° $M_0$7.20000×10^{17}

(159) North Island

ISC VIII 25 11 25 19.8–.35 39.73S–.02 176.53E–.03 28–2 5.5b,5.0s 323 0-180
BJI VIII 25 11 25 15.5 39.62S 177.00E 16 5.6b,5.6b **¶11207983**
IGIL VIII 25 11 25 18.0 39.69S 176.45E 10 5.5s,5.6b
WEL VIII 25 11 25 19.3–.08 39.72S 176.85E 32–0 5.9L,5.6b
MOS VIII 25 11 25 19.1–1.0 39.59S 176.43E 38 5.6b,5.1s
NEIC VIII 25 11 25 19.3 39.72S 176.85E 32 5.9L,5.5W
ISCJB VIII 25 11 25 19.6–.22 39.72S–.02 176.56E–.03 40–1 5.5b,5.0s
IDC VIII 25 11 25 20.4–.48 39.47S 176.53E 41–3 5.1,5.1
GCMT VIII 25 11 25 23.3–.10 39.67S 176.91E 26–0 5.4W,5.1
DJA VIII 25 11 25 33 39.63S 176.89E 168 5.4b,5.1
ISC Event type de.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.5km az=90.0. Felt between Waikato, Southland and Gisborne, maximum reported intensity MM. 8.
MOS Error ellipse: s-maj=16.1km s-min=11.4km az=119.4.
NEIC Event type de. Slight damage at Hastings and Napier. Felt [VI] at Hastings, Havelock North and Taradale. Felt in much of the North Island from Hamilton and Whakatane to Wellington. Also felt in parts of the South Island. After WEL.
ISCJB Event type de. Error ellipse: s-maj=3.8km s-min=3.0km az=14.1.
IDC Error ellipse: s-maj=13.5km s-min=10.3km az=15.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s77,c131; s89,c165; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.27±.03 $M_{\theta\theta}$-0.07±.02; $M_{\phi\phi}$1.34±.02; $M_{r\theta}$0.28±.05; $M_{\theta\phi}$0.65±.02; $M_{\phi r}$-0.64±.05; Best double couple: NP1:ϕ_s223.00000°,δ40.00000°,λ-56.00000°. NP2:ϕ_s1.00000°,δ58.00000°,λ-115.00000°. Principal axes: T 1.6800,Plg10.0000° ,Azm109.0000°; N -0.1300,Plg21.0000°,Azm15.0000°; P -1.5500,Plg67.0000° ,Azm222.0000° $M_0$1.60000×10^{17}

(310) Nepal

ISC VIII 25 13 22 01.5–.44 31.06N–.02 83.65E–.01 26–3 6.6s,6.0b 1469 3-158
BGS VIII 25 13 21 44.9–1.5 28.14N 83.43E 12–0 6.8s,5.9b **¶11207986**
DMN VIII 25 13 21 50.1–.64 31.97N 83.33E 10–0 6.7L,5.9b
LDG VIII 25 13 21 55.9–.14 31.09N 83.46E 10–0 6.3s,6.1b
BJI VIII 25 13 21 56.7 30.92N 83.57E 13 6.9s,6.8
IDC VIII 25 13 21 56.8–.32 30.87N 83.58E 0 6.5,6.5s
NEIC VIII 25 13 21 58.8–.16 30.90N 83.52E 12 6.7W,6.6W
ISCJB VIII 25 13 21 59.6–.46 31.07N–.02 83.63E–.01 25–3 6.6s,6.0b
MOS VIII 25 13 21 59.9–1.1 30.91N 83.54E 33 6.5s,6.2b
SZGRF VIII 25 13 22 00.4 30.92N 83.93E 33 6.6s,6.2b
DJA VIII 25 13 22 01 30.81N 83.59E 8 6.8W,6.2b
NDI VIII 25 13 22 02.7–4.6 30.46N 83.50E 10–0 6.4b,6.2b
TEH VIII 25 13 22 03.0 30.90N 83.62E 35 6.4b,6.2b
GCMT VIII 25 13 22 08.5–.10 30.61N 83.51E 17–0 6.7W,6.2b
ISC Event type de.
BGS Error ellipse: s-maj=340.2km s-min=388.5km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=13.3km s-min=11.4km az=121.0.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=113.0.
IDC Error ellipse: s-maj=12.5km s-min=7.2km az=40.0.
NEIC Event type de. Error ellipse: s-maj=6.2km s-min=3.3km az=198.0. About 700 rooms damaged [VIII] in Zhongba County. Ten km of surface faulting with sandblows along 4.2 km of the fracture zone observed in the epicentral area. Felt strongly at Bahraich and Lucknow and [III] at Delhi, India. Felt in parts of Haryana, Himachal Pradesh, Uttar Pradesh and Uttarakhand. Also felt at Kathmandu, Nepalganj and in the Tarai region, Nepal. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000° ,δ30.00000°,λ-60.00000°. NP2:ϕ_s176.00000°,δ64.00000°,λ-106.00000°. Principal axes: T Plg18.0000°,Azm278.0000°; N Plg0.0000°,Azm0.0000°; P Plg67.0000°,Azm57.0000° Moment Tensor Solution. s57 Moment tensor: Scale 10^{18}Nm; M_{rr}-5.44 $M_{\theta\theta}$-4.27 $M_{\phi\phi}$9.71 $M_{r\theta}$-1.37 $M_{\theta\phi}$-0.08 $M_{\phi r}$0.68 Best double couple: NP1:ϕ_s29.00000°,δ51.00000°,λ-46.00000°. NP2:ϕ_s152.00000°,δ56.00000°,λ-131.00000°. Principal axes: T 9.7400,Plg2.0000° ,Azm269.0000°; N -3.3800,Plg33.0000°,Azm177.0000°; P -6.3600,Plg56.0000°,Azm3.0000° $M_0$8.60000×10^{18} Moment Tensor Solution. $M_0$2.50000×10^{19}
ISCJB Event type de. Error ellipse: s-maj=2.9km s-min=1.7km az=26.2.
MOS Error ellipse: s-maj=6.1km s-min=2.9km az=128.8.
SZGRF Xizang.
NDI Error ellipse: s-maj=21.9km s-min=18.0km az=-1.0.
GCMT Event type se. Data Used: II IU G CN IC. LP body wave period 50 sec. Surface waves: sta=117, comp=266, per= 50. Moment Tensor Solution. s109,c255; s99,c214; Moment tensor: Scale 10^{19}Nm; M_{rr}-1.02±.01 $M_{\theta\theta}$-0.38±.01; $M_{\phi\phi}$1.40±.01; $M_{r\theta}$-0.56±.02; $M_{\theta\phi}$0.11±.01; $M_{\phi r}$0.20±.02; Best double couple: NP1:ϕ_s30.00000°,δ48.00000°,λ-48.00000°. NP2:ϕ_s157.00000°,δ56.00000°,λ-127.00000°. Principal axes: T 1.4200,Plg4.0000° ,Azm272.0000°; N -0.0500,Plg30.0000°,Azm180.0000°; P -1.3600,Plg60.0000°,Azm9.0000° $M_0$1.40000×10^{19}

(306) Xizang

ISC VIII 25 13 29 26.8–.34 30.74N–.07 83.36E–.05 35 4.8b 82 7-151
LDG VIII 25 13 29 21.9–.20 31.14N 83.37E 10–0 4.9b **¶13392571**
IDC VIII 25 13 29 21.1–.47 30.65N 83.41E 0 6.4s,6.4
NEIC VIII 25 13 29 22.7–.28 30.71N 83.38E 10 5.0b,6.4
ISCJB VIII 25 13 29 25.0–.39 30.78N–.07 83.25E–.05 33 4.8b,6.4
ISC Event type ke.
LDG Event type ke.
NEIC Event type se.
ISCJB Event type ke.

(306) Xizang

ISC VIII 25 13 39 39.5–.13 30.93N–.02 83.46E–.02 10 5.7s,5.1b 379 3-157
DMN VIII 25 13 39 31.1–.65 31.77N 82.80E 60–0 5.7L,5.1b **¶13392573**
BJI VIII 25 13 39 36.7 30.78N 83.34E 12 5.9b,5.8s
IDC VIII 25 13 39 37.0–.35 30.77N 83.47E 0 5.0,5.0
LDG VIII 25 13 39 37.2–.31 31.08N 83.24E 10–0 5.1b,5.0
ISCJB VIII 25 13 39 37.6–.13 30.93N–.02 83.41E–.02 10 5.7s,5.1b
NEIC VIII 25 13 39 38.4–.20 30.80N 83.38E 10 5.2b,5.1b
MOS VIII 25 13 39 40.2–1.3 30.80N 83.39E 33 5.1b,5.1b
DJA VIII 25 13 39 43 30.94N 83.79E 29 5.4b,5.1b
NDI VIII 25 13 39 44.2–3.0 30.40N 83.22E 10–0 5.4b,5.2b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=15.9km s-min=12.2km az=93.0.
IDC Error ellipse: s-maj=12.3km s-min=9.3km az=25.0.
LDG Event type ke. Error ellipse: s-maj=16.2km s-min=5.6km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=35.4.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=202.0.
MOS Error ellipse: s-maj=7.4km s-min=4.3km az=126.5.
NDI Error ellipse: s-maj=33.8km s-min=50.6km az=-1.0.

(306) Xizang

ISC VIII 25 14 16 02.5–.80 30.83N–.02 83.56E–.02 8–5 5.1b,5.0s 522 2-158
DMN VIII 25 14 15 54.4–.59 31.78N 83.15E 2–0 5.5L,5.0s **¶13392578**
ISCJB VIII 25 14 16 00.2–.79 30.81N–.02 83.51E–.02 4–5 5.1b,5.0s
LDG VIII 25 14 16 01.1–.22 31.09N 83.41E 10–0 5.1b,5.0s
BJI VIII 25 14 16 01.3 30.87N 83.55E 11 5.8b,5.2s
IDC VIII 25 14 16 01.4–.37 30.89N 83.73E 0 5.1,5.0
NEIC VIII 25 14 16 02.6–.21 30.83N 83.52E 10 5.2b,5.0
MOS VIII 25 14 16 04.3–1.2 30.83N 83.52E 33 5.2b,5.0
DJA VIII 25 14 16 06 30.71N 83.92E 10 5.3b,5.0
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=14.1km s-min=10.3km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=29.8.
LDG Event type ke. Error ellipse: s-maj=9.8km s-min=6.2km az=116.0.
IDC Error ellipse: s-maj=11.9km s-min=9.8km az=18.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.3km az=197.0.
MOS Error ellipse: s-maj=6.9km s-min=3.7km az=123.1.

(276) Sunda Strait

ISC VIII 26 03 07 33.1–.11 6.35S–.02 104.42E–.02 49 5.7b,5.3s 919 1-178
NEIC VIII 26 03 07 29.5–1.4 6.34S 104.47E 22–9 5.7b,5.7W **¶11208020**
MOS VIII 26 03 07 30.3–1.1 6.11S 104.52E 33 5.9b,5.3s
IDC VIII 26 03 07 31.2–1.3 6.21S 104.58E 33–9 5.3,5.3b
DJA VIII 26 03 07 31 6.56S 104.28E 26 6.2W,5.3b
ISCJB VIII 26 03 07 31.2–.11 6.35S–.02 104.42E–.02 47 5.7b,5.3s
GCMT VIII 26 03 07 34.7–.10 6.57S 104.49E 38–0 5.7W,5.3s
SZGRF VIII 26 03 07 50.7 2.86S 101.94E 33 5.5b,5.3s
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=220.0. Felt [IV] at Kotaagung and Tanjungkarang-Telukbetung, Sumatra. Felt [III] at Jakarta and [II] at Tasikmalaya, Java. Also felt at Bogor, Java. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.04 $M_{\theta\theta}$0.27 $M_{\phi\phi}$1.77 $M_{r\theta}$1.83 $M_{\theta\phi}$-1.15 $M_{\phi r}$1.37 Best double couple: NP1:ϕ_s184.00000° ,δ60.00000°,λ-50.00000°. NP2:ϕ_s305.00000°,δ48.00000°,λ-138.00000°. Principal axes: T 2.4400,Plg7.0000°,Azm247.0000°; N 1.1900,Plg33.0000°,Azm342.0000° ; P -3.6200,Plg55.0000°,Azm146.0000° $M_0$3.20000×10^{17}
MOS Error ellipse: s-maj=8.9km s-min=4.3km az=121.1.
IDC Error ellipse: s-maj=11.5km s-min=7.5km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=26.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=208, per= 50. Moment Tensor Solution. s99,c182; s21,c21; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.65±.05 $M_{\theta\theta}$-1.33±.04; $M_{\phi\phi}$2.98±.04; $M_{r\theta}$2.12±.06; $M_{\theta\phi}$-1.38±.03; $M_{\phi r}$2.00±.07; Best double couple: NP1:ϕ_s310.00000°,δ45.00000°,λ-155.00000°. NP2:ϕ_s202.00000°,δ73.00000°,λ-48.00000°. Principal axes: T 3.8000,Plg17.0000°,Azm262.0000°; N 0.6000,Plg40.0000°,Azm7.0000° ; P -4.4000,Plg45.0000°,Azm154.0000° $M_0$4.10000×10^{17}
SZGRF Southern Sumatera, Indonesia.

(327) Lake Baykal region

ISC VIII 27 01 35 31.6–.06 51.66N–.01 104.14E–.01 10 6.2s,5.7b 2088 0-168
LDG VIII 27 01 35 28.8–.11 51.72N 104.02E 10–0 6.1s,5.8b **¶13392704**
BJI VIII 27 01 35 29.8 51.66N 104.28E 15 6.4s,6.2
SZGRF VIII 27 01 35 29.6 52.28N 106.28E 33 7.0s,5.9b
IDC VIII 27 01 35 29.3–.32 51.66N 104.23E 0 6.1,6.1s
ISCJB VIII 27 01 35 30.0–.06 51.65N–.01 104.05E–.01 10 6.2s,5.7b
MOS VIII 27 01 35 30.4–.94 51.62N 104.20E 17 6.4s,5.9b
BGS VIII 27 01 35 30.7–1.6 51.09N 103.32E 15–0 6.7s,5.2b
BYKL VIII 27 01 35 31.4–.36 51.62N 104.06E 13–5 6.7s,5.2b
NEIC VIII 27 01 35 32.1–.08 51.61N 104.16E 16 6.2s,6.2W
GCMT VIII 27 01 35 38.6–.10 51.76N 104.02E 24–0 6.3W,6.2W
ASRS VIII 27 01 35 42.1–1.5 52.34N 103.37E 15 6.7,6.2W
DJA VIII 27 01 35 44 51.51N 103.58E 73 5.6b,6.2W
ISC Event type de.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=91.0.
SZGRF Lake Baykal, Russia, region.
IDC Error ellipse: s-maj=9.6km s-min=8.0km az=27.0.
ISCJB Event type de. Error ellipse: s-maj=1.8km s-min=1.2km az=174.5.
MOS Event type fe. Error ellipse: s-maj=5.5km s-min=3.9km az=123.2. Fault plane solution: P-wave C37, D198 . Felt (VII-VIII) at Baykal'sk, Utulik, Slyudyanka, (VI-VII) at Arshan, Kultuk, Irkutsk, Listvyanka, (V-VI) at Bol.Goloustnoye, Kabansk, Selenga, Angarsk, Mondy, Yelantsy, (IV-V) at Shergino, Gusinoozersk, (IV) at Khuzhir, (III-IV) at Kyzyl, (III) at Bratsk, (II-III) at Abakan, (II) at Chita, Krasnoyarsk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s33.00000°,δ36.00000°,λ-121.00000°. NP2: ϕ_s250.00000°,δ60.00000°,λ-69.00000°. Principal axes: T Plg12.0000°,Azm325.0000° ; N Plg18.0000°,Azm59.0000°; P Plg68.0000°,Azm202.0000° $M_0$3.30000×10^{18}
BGS Error ellipse: s-maj=277.7km s-min=803.7km az=-1.0.
BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 101.00 61.00 -55.00 82 0 IEC + 226.00 44.00 -136.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 167.00 10.00 263.00 30.00 61.00 58.00 IEC + 2.00 1.15 3.05 2.13 1.53 2.64 IEC. FELT I=VII-VIII MSK at Kultuk,Utulik, VII at Slyudyanka,Talaya,Bystraya, VI-VII at Baykalsk,Anchuk, VI at Listvyanka,Irkutsk,Angasolka,Tory.
NEIC Event type de. Error ellipse: s-maj=2.5km s-min=1.7km az=179.0. Slight damage [VII] and power outages at Irkutsk. Felt [VIII] at Baykal'sk; [VII] at Arshan, Kultuk, Listvyanka, Slyudyanka and Utulik; [VI] at Angarsk, Kabansk, Mondy, Selenga and Yelantsy; [V] at Gusinoozersk and Zakamensk; [IV] at Kyzyl; [III] at Abakan and Bratsk; [II] at Chita and Krasnoyarsk. Also felt at Novosibirsk, Tulun, Ulan-Ude and Usol'ye-Sibirskoye. Felt [III] at Ulaanbaatar, Mongolia. Also felt at Darhan and Tosontsengel. Two events about 2.5 seconds apart. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s200.00000°,δ60.00000°,λ-140.00000°. NP2: ϕ_s87.00000°,δ56.00000°,λ-37.00000°. Principal axes: T Plg2.0000°,Azm323.0000° ; N Plg0.0000°,Azm0.0000°; P Plg48.0000°,Azm55.0000° Moment Tensor Solution. s170 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.81 $M_{\theta\theta}$0.87 $M_{\phi\phi}$-0.06 $M_{r\theta}$-0.36 $M_{\theta\phi}$1.36 $M_{\phi r}$0.60 Best double couple: NP1:ϕ_s92.00000°,δ62.00000°,λ-30.00000°. NP2:ϕ_s197.00000° ,δ64.00000°,λ-148.00000°. Principal axes: T 1.8500,Plg1.0000°,Azm324.0000° ; N -0.2200,Plg49.0000°,Azm232.0000°; P -1.6200,Plg40.0000°,Azm55.0000° $M_0$1.70000×10^{18}
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=112, comp=285, per= 50. Moment Tensor Solution. s107,c230; s87,c152; Moment tensor: Scale 10^{18}Nm; M_{rr}-2.02±.03 $M_{\theta\theta}$2.95±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$-1.18±.04; $M_{\theta\phi}$1.35±.02; $M_{\phi r}$1.26±.04; Best double couple: NP1:ϕ_s220.00000°,δ49.00000°,λ-143.00000°. NP2:ϕ_s104.00000°,δ63.00000°,λ-47.00000°. Principal axes: T 3.4900,Plg8.0000°,Azm165.0000°; N -0.1600,Plg37.0000°,Azm262.0000° ; P -3.3300,Plg51.0000°,Azm65.0000° $M_0$3.40000×10^{18}

(221) Kuril Islands

ISC VIII 27 05 24 40.2–.30 46.75N–.02 152.49E–.02 54–2 5.5b,4.9s 1658 4-154
NIED VIII 27 05 24 00 46.60N 153.10E 38 5.3W,4.9s **¶13392722**

BGS VIII 27 05 24 30.2–1.7 45.14N 154.62E 65–0 5.3b,4.9s
DJA VIII 27 05 24 34 47.20N 153.59E 40 5.5b,4.9s
JMA VIII 27 05 24 35.0–.50 46.62N 153.07E 30 5.9,4.9s
ISCJB VIII 27 05 24 37.0–.36 46.68N–.02 152.54E–.02 43–3 5.5b,4.9s
IDC VIII 27 05 24 38.0–1.7 46.72N 152.52E 38–13 5.1,5.1
BJI VIII 27 05 24 38.8 46.76N 152.56E 69 5.7b,5.4b
MOS VIII 27 05 24 38.3–.95 46.70N 152.50E 55 5.8b,5.1s
SKHL VIII 27 05 24 38.1–.70 46.42N 152.87E 73–42 6.1,5.9b
NEIC VIII 27 05 24 41.1–.42 46.73N 152.48E 65–3 5.5b,5.3W
GCMT VIII 27 05 24 42.9–.10 46.69N 152.82E 50–0 5.4W,5.3W
SZGRF VIII 27 05 24 58.0 49.17N 148.66E 33 6.0b,5.0s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ58.00000°,λ46.00000°. NP2:ϕ_e230.00000°,δ53.00000°,λ138.00000°. M_o9.67000×10^{16}
BGS Error ellipse: s-maj=240.7km s-min=779.6km az=-1.0.
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=4.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=1.7km az=165.1.
IDC Error ellipse: s-maj=12.2km s-min=9.5km az=134.0.
MOS Error ellipse: s-maj=5.9km s-min=3.7km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=1.9km az=165.0. Recorded [1 JMA] in eastern Hokkaido. Moment Tensor Solution. s90 Moment tensor: Scale 10^{17}Nm; M_{rr}1.01 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.28 $M_{\phi r}$0.36 Best double couple: NP1:ϕ_e40.00000° ,δ59.00000°,λ91.00000°. NP2:ϕ_e219.00000°,δ31.00000°,λ89.00000°. Principal axes: T 1.1300,Plg75.0000°,Azm312.0000°; N -0.2200,Plg0.0000°,Azm219.0000° ; P -0.9000,Plg14.0000°,Azm129.0000° M_o1.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=101, comp=210, per= 50. Moment Tensor Solution. s87,c162; s12,c12; Moment tensor: Scale 10^{17}Nm; M_{rr}1.41±.03 $M_{\theta\theta}$-0.48±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$0.22±.02; $M_{\theta\phi}$-0.79±.02; $M_{\phi r}$0.69±.02; Best double couple: NP1:ϕ_e226.00000°,δ33.00000°,λ105.00000°. NP2:ϕ_e28.00000°,δ58.00000°,λ80.00000°. Principal axes: T 1.6000,Plg75.0000°,Azm271.0000°; N 0.0800,Plg8.0000°,Azm33.0000° ; P -1.6800,Plg13.0000°,Azm125.0000° M_o1.60000×10^{17}
SZGRF Northwest of Kuril Islands, Russia.

(574) Northwest of Madagascar

ISC VIII 27 06 46 20.7–.96 10.70S–.02 41.43E–.02 15–6 5.7b,5.5s 754 10-161
BJI VIII 27 06 46 17.3 10.38S 40.98E 13 5.7b,5.5s **¶12100283**
IDC VIII 27 06 46 17.6–.41 10.74S 41.35E 0 5.4,5.4
ISCJB VIII 27 06 46 18.0–.13 10.66S–.02 41.42E–.02 10 5.7b,5.5s
LDG VIII 27 06 46 18.5–.13 10.54S 41.40E 10–0 5.9b,5.1s
MOS VIII 27 06 46 19.0–.95 10.42S 41.51E 10 5.9b,5.2s
NEIC VIII 27 06 46 19.5–.13 10.75S 41.47E 10 5.9b,5.7W
DJA VIII 27 06 46 20 10.62S 41.31E 10 6.2W,5.7W
GCMT VIII 27 06 46 23.3–.10 10.57S 41.42E 29–0 5.7W,5.7W
ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=8.6km az=120.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=41.5.
LDG Event type ke. Error ellipse: s-maj=12.9km s-min=5.7km az=57.0.
MOS Error ellipse: s-maj=8.4km s-min=3.4km az=105.8.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=53.0. Felt at Pemba, Mozambique. Moment Tensor Solution. s82 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32 $M_{\theta\theta}$0.47 $M_{\phi\phi}$0.85 $M_{r\theta}$0.43 $M_{\theta\phi}$-1.52 $M_{\phi r}$2.14 Best double couple: NP1:ϕ_e174.00000° ,δ74.00000°,λ-57.00000°. NP2:ϕ_e287.00000°,δ36.00000°,λ-152.00000°. Principal axes: T 2.7300,Plg21.0000°,Azm239.0000°; N 0.3100,Plg31.0000°,Azm344.0000° ; P -3.0500,Plg49.0000°,Azm121.0000° M_o2.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=220, per= 50. Moment Tensor Solution. s91,c169; s37,c40; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.56±.05 $M_{\theta\theta}$-0.32±.04; $M_{\phi\phi}$2.88±.05; $M_{r\theta}$1.00±.08; $M_{\theta\phi}$-2.19±.04; $M_{\phi r}$3.80±.11; Best double couple: NP1:ϕ_s302.00000°,δ33.00000°,λ-148.00000°. NP2:ϕ_e184.00000°,δ73.00000°,λ-62.00000°. Principal axes: T 5.2600,Plg23.0000°,Azm253.0000°; N 0.0100,Plg27.0000°,Azm355.0000° ; P -5.2700,Plg53.0000°,Azm128.0000° M_o5.30000×10^{17}

(346) Iran-Iraq border region

ISC VIII 27 21 52 39.3–.32 32.32N–.01 47.38E–.01 18–2 5.4s,5.3b 2133 1-171
BJI VIII 27 21 52 29.3 32.12N 46.49E 10 5.9s,5.6 **¶14877757**
ISCJB VIII 27 21 52 35.8–.31 32.29N–.01 47.38E–.01 8–1 5.4s,5.3b
NEIC VIII 27 21 52 38.1–.16 32.31N 47.35E 10 5.7W,5.7W
IDC VIII 27 21 52 38.7–1.7 32.42N 47.39E 16–9 5.3s,5.3
THR VIII 27 21 52 39.9–.88 32.36N 47.36E 32–12 5.6L,5.3
MOS VIII 27 21 52 39.4–1.1 32.36N 47.35E 33 5.4b,5.1s
CSEM VIII 27 21 52 40.7–.06 32.32N 47.36E 29 5.7W,5.3b
OMAN VIII 27 21 52 40.3–3.1 32.16N 47.54E 17–0 5.7W,5.3b
TEH VIII 27 21 52 40.7 32.34N 47.33E 20 5.7W,5.3b
GCMT VIII 27 21 52 43.4–.10 32.23N 47.36E 12–0 5.8W,5.3b
SGS VIII 27 21 52 46.8 32.14N 47.72E 54 5.8W,5.3b
SZGRF VIII 27 21 52 48.7 33.12N 46.12E 33 5.2b,5.1s
DJA VIII 27 21 52 57 32.15N 47.99E 149 5.5b,5.1s
BGS VIII 27 21 53 15.2–1.9 35.55N 43.44E 10–0 5.1b,5.0s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=21.6.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.0km az=183.0. Felt [IV] at As Salimiyah; [III] at Al Farwaniyah and Hawalli; [II] at Kuwait, Kuwait. Felt at Abu Hulayfah, Al Fintas, Al Fuhayhil, Al Jabiriyah, Al Mahbulah and Salwa. Also felt at Al 'Amarah and Al Basrah, Iraq and at Ahvaz, Iran. Moment Tensor Solution. s39 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74 $M_{\theta\theta}$-3.10 $M_{\phi\phi}$2.36 $M_{r\theta}$0.07 $M_{\theta\phi}$2.82 $M_{\phi r}$-0.25 Best double couple: NP1:ϕ_e248.00000° ,δ86.00000°,λ2.00000°. NP2:ϕ_s158.00000°,δ88.00000°,λ176.00000°. Principal axes: T 3.5700,Plg4.0000°,Azm112.0000°; N 0.7300,Plg85.0000°,Azm317.0000° ; P -4.3000,Plg1.0000°,Azm203.0000° M_o4.00000×10^{17}
IDC Error ellipse: s-maj=9.6km s-min=9.1km az=5.0.
THR Error ellipse: s-maj=5.5km s-min=15.5km az=-1.0.
MOS Error ellipse: s-maj=5.2km s-min=2.5km az=129.4.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=10.0.
OMAN Error ellipse: s-maj=1.7km s-min=0.7km az=246.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=227, per= 50. Moment Tensor Solution. s97,c187; s50,c67; Moment tensor: Scale 10^{17}Nm; M_{rr}1.19±.05 $M_{\theta\theta}$-4.68±.06; $M_{\phi\phi}$3.48±.06; $M_{r\theta}$0.97±.16; $M_{\theta\phi}$4.03±.05; $M_{\phi r}$-0.43±.14; Best double couple: NP1:ϕ_e247.00000°,δ84.00000°,λ-5.00000°. NP2:ϕ_s338.00000°,δ85.00000°,λ-174.00000°. Principal axes: T 5.1400,Plg0.0000°,Azm112.0000°; N 1.3400,Plg82.0000°,Azm19.0000° ; P -6.4800,Plg8.0000°,Azm202.0000° M_o5.80000×10^{17}
SZGRF Iran-Iraq border region.
BGS Error ellipse: s-maj=457.7km s-min=482.6km az=-1.0.

(25) Vancouver Island region

ISC VIII 28 12 37 33.2–.64 50.15N–.01 129.63W–.02 0–4 5.7s,5.2b 1217 1-161
PGC VIII 28 12 37 30.9–11 49.98N 130.01W 10 5.9W,4.8L **¶11222409**
IDC VIII 28 12 37 32.1–.47 50.06N 129.77W 0 5.5,5.5s
MOS VIII 28 12 37 33.8–1.1 50.05N 129.74W 18 5.7s,5.5b
ISCJB VIII 28 12 37 33.2–.11 50.14N–.01 129.55W–.02 10 5.7s,5.1b
BJI VIII 28 12 37 34.9 50.69N 130.59W 5 5.9s,5.7b
GCMT VIII 28 12 37 35.4–.10 49.77N 130.14W 12 5.9W,5.7b
NEIC VIII 28 12 37 35.1–.13 50.17N 129.63W 12 6.1,5.9W
ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. 201km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=11.7km s-min=8.5km az=61.0.
MOS Error ellipse: s-maj=5.9km s-min=3.2km az=102.3.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.2km az=139.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=246, per= 50. Moment Tensor Solution. s102,c211; s73,c93; Moment tensor: Scale 10^{17}Nm; M_{rr}0.36±.06 $M_{\theta\theta}$-8.72±.06; $M_{\phi\phi}$8.37±.07; $M_{r\theta}$0.57±.17; $M_{\theta\phi}$-0.59±.06; $M_{\phi r}$0.98±.17; Best double couple: NP1:ϕ_s313.00000°,δ83.00000°,λ178.00000°. NP2:ϕ_s43.00000°,δ88.00000°,λ7.00000°. Principal axes: T 8.5000,Plg7.0000°,Azm268.0000°; N 0.2800,Plg82.0000°,Azm59.0000° ; P -8.7800,Plg4.0000°,Azm178.0000° M_o8.60000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=1.5km az=46.0. Felt at Vancouver. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s135.00000°,δ85.00000°,λ175.00000°. NP2:ϕ_e225.00000°,δ85.00000°,λ5.00000°. Principal axes: T Plg7.0000°,Azm90.0000°; N Plg0.0000°,Azm0.0000°; P Plg0.0000° ,Azm0.0000° Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}0.66 $M_{\theta\theta}$-5.56 $M_{\phi\phi}$4.90 $M_{r\theta}$-0.83 $M_{\theta\phi}$-0.97 $M_{\phi r}$-1.21 Best double couple: NP1:ϕ_e220.00000° ,δ86.00000°,λ16.00000°. NP2:ϕ_s129.00000°,δ74.00000°,λ176.00000°. Principal axes: T 5.2700,Plg13.0000°,Azm85.0000°; N 0.5200,Plg73.0000°,Azm233.0000° ; P -5.7900,Plg8.0000°,Azm353.0000° M_o5.50000×10^{17} Moment Tensor Solution. M_o7.50000×10^{17}

(407) North of Ascension Island

ISC VIII 28 15 22 19.2–.22 0.13S–.04 17.62W–.03 10 5.9s,5.3b 480 14-154
ISCJB VIII 28 15 22 17.3–.23 0.11S–.04 17.60W–.03 10 5.9s,5.3b **¶11653113**
IDC VIII 28 15 22 18.0–.40 0.11S 17.44W 0 5.9s,5.9
NEIC VIII 28 15 22 18.9–.23 0.13S 17.63W 10 5.2b,5.9
BJI VIII 28 15 22 19.9 0.35N 16.95W 10 5.5s,5.2
MOS VIII 28 15 22 19.3–1.2 0.08S 17.67W 10 6.0b,5.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.5km az=152.3.
IDC Error ellipse: s-maj=11.5km s-min=7.8km az=144.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.7km az=148.0.
MOS Error ellipse: s-maj=7.8km s-min=2.8km az=65.0.

(407) North of Ascension Island

ISC VIII 28 15 22 23.6–.72 0.02S–.03 17.44W–.02 5–4 5.9s,5.7b 1397 14-170
ISCJB VIII 28 15 22 22.9–.14 0.01N–.03 17.36W–.02 10 5.9s,5.7b **¶11222419**
NEIC VIII 28 15 22 23.2–.23 0.25S 17.36W 12 6.7,6.3W
BJI VIII 28 15 22 23.8 0.21S 17.38W 21 6.3s,6.1b
BGS VIII 28 15 22 29.2–1.9 0.84N 17.76W 10–0 5.8s,5.4b
GCMT VIII 28 15 22 30.5–.10 0.18N 17.37W 21–0 6.3W,5.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.0km az=157.2.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.2km az=158.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s80.00000°,δ80.00000° ,λ175.00000°. NP2:ϕ_s171.00000°,δ85.00000°,λ10.00000°. Principal axes: T Plg11.0000° ,Azm36.0000°; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm305.0000° Moment Tensor Solution. s121 Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-1.00 $M_{r\theta}$0.13 $M_{\theta\phi}$-2.34 $M_{\phi r}$-0.42 Best double couple: NP1:ϕ_s169.00000°,δ89.00000°,λ10.00000°. NP2:ϕ_s79.00000° ,δ80.00000°,λ179.00000°. Principal axes: T 2.5400,Plg7.0000°,Azm34.0000° ; N 0.0600,Plg79.0000°,Azm176.0000°; P -2.6000,Plg6.0000°,Azm303.0000° M_o2.60000×10^{18}
BGS Error ellipse: s-maj=39.8km s-min=166.8km az=-1.0.
GCMT Event type se. Data Used: II IU IC CN G. Mantle waves from 102 sta. Surface waves: sta=116, comp=267, per= 50. Moment Tensor Solution. s112,c260; s99,c199; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.09±.02 $M_{\theta\theta}$1.25±.02; $M_{\phi\phi}$-1.16±.02; $M_{r\theta}$0.11±.04; $M_{\theta\phi}$-3.09±.02; $M_{\phi r}$-0.38±.04; Best double couple: NP1:ϕ_s79.00000°,δ83.00000°,λ180.00000°. NP2:ϕ_s169.00000°,δ90.00000°,λ7.00000°. Principal axes: T 3.3900,Plg5.0000°,Azm35.0000° ; N -0.0900,Plg83.0000°,Azm172.0000°; P -3.2900,Plg5.0000°,Azm304.0000° M_o3.30000×10^{18}

(318) Yunnan

ISC VIII 30 08 30 52.0–.55 26.31N–.01 101.89E–.02 2–3 5.8s,5.6b 1165 1-173
IDC VIII 30 08 30 50.7–.31 26.24N 101.95E 0 5.5s,5.5 **¶13392944**
ISCJB VIII 30 08 30 52.5–.09 26.31N–.01 101.91E–.02 17 5.8s,5.6b
BJI VIII 30 08 30 52.6 26.30N 102.06E 19 6.3s,6.1L
MOS VIII 30 08 30 53.7–.92 26.27N 101.99E 29 5.8b,5.7s
NEIC VIII 30 08 30 53.0–.12 26.24N 101.89E 11 6.1,5.8s
TEH VIII 30 08 30 54.0 26.34N 101.91E 10 6.1,5.8s
SZGRF VIII 30 08 30 57.8 26.15N 101.77E 33 6.0s,5.8b
GCMT VIII 30 08 30 57.5–.10 26.19N 102.04E 24–0 6.0W,5.8b
DJA VIII 30 08 30 59 26.26N 101.81E 45 6.1W,5.8b
BGS VIII 30 08 31 19.4–1.6 28.82N 96.81E 10–0 5.9s,5.3b
ISC Event type de.
IDC Error ellipse: s-maj=9.7km s-min=7.7km az=58.0.
ISCJB Event type de. Error ellipse: s-maj=2.2km s-min=1.8km az=35.3.
MOS Error ellipse: s-maj=6.1km s-min=3.2km az=122.5.
NEIC Event type de. Error ellipse: s-maj=3.9km s-min=2.8km az=198.0. At least 32 people killed and 321 injured at Huili; 6 people killed and 132 injured at Chuxiong; 5 people killed and 132 injured at Panzhihua; 4 people injured at Kunming. At least 392,000 houses damaged or destroyed in the Sichuan-Yunnan area. At least 66 schools, 22 bridges, 131 roads and 19 reservoirs damaged at Panzhihua. Chengdu-Kunming railroad service interrupted. Strongly felt at Panzhihua and Xichang. Felt [III] at Kunming. Also felt at Chengdu, Dali and Yibin. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_e200.00000°,δ65.00000°,λ30.00000°. NP2:ϕ_s96.00000°,δ63.00000°,λ152.00000°. Principal axes: T Plg38.0000°,Azm59.0000°; N Plg0.0000°,Azm0.0000°; P Plg1.0000° ,Azm328.0000° Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97 $M_{\theta\theta}$-2.62 $M_{\phi\phi}$3.59 $M_{r\theta}$0.07 $M_{\theta\phi}$-5.42 $M_{\phi r}$-2.21 Best double couple: NP1:ϕ_s195.00000° ,δ89.00000°,λ19.00000°. NP2:ϕ_s104.00000°,δ71.00000°,λ179.00000°. Principal axes: T 7.2000,Plg13.0000°,Azm61.0000°; N -1.2000,Plg71.0000°,Azm196.0000° ; P -5.9900,Plg12.0000°,Azm327.0000° M_o6.70000×10^{17}
SZGRF Yunnan, China.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=221, per= 50. Moment Tensor Solution. s78,c129; s53,c72; Moment tensor: Scale 10^{18}Nm; M_{rr}0.02±.01 $M_{\theta\theta}$-0.37±.01; $M_{\phi\phi}$0.35±.01; $M_{r\theta}$-0.01±.02; $M_{\theta\phi}$-1.03±.01; $M_{\phi r}$-0.07±.02; Best double couple: NP1:ϕ_s100.00000°,δ86.00000°,λ180.00000°. NP2:ϕ_s190.00000°,δ90.00000°,λ4.00000°. Principal axes: T 1.0800,Plg3.0000°,Azm55.0000°; N 0.0200,Plg86.0000°,Azm192.0000° ; P -1.1000,Plg2.0000°,Azm325.0000° M_o1.10000×10^{18}
BGS Error ellipse: s-maj=347.2km s-min=422.3km az=-1.0.

(249) Luzon

ISC VIII 30 12 04 52.9–.33 13.10N–.02 124.32E–.03 51–3 5.1b,4.7s 422 1-168
IDC VIII 30 12 04 44.9–.44 12.98N 124.32E 0 4.8,4.7 **¶11223919**
MAN VIII 30 12 04 47 13.05N 124.33E 7 5.7b,5.1s
MOS VIII 30 12 04 48.5–.98 13.06N 124.36E 33 5.4b,4.7s
BJI VIII 30 12 04 50.4 13.04N 124.41E 52 5.3b,5.1b
ISCJB VIII 30 12 04 50.3–.37 13.12N–.02 124.35E–.03 42–3 5.1b,4.7s
GCMT VIII 30 12 04 50.2–.20 13.11N 124.40E 23–0 5.2W,4.7s
DJA VIII 30 12 04 52 13.29N 124.32E 10 5.2b,4.7s
NEIC VIII 30 12 04 52.3–.59 13.01N 124.32E 50–5 5.1b,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=17.0km s-min=11.6km az=87.0.
MAN Event type fe. INTENSITY V - LEGASPI CITY; INTENSITY IV - SAN ANDRES CATANDUANES; CABID-AN SORSOGON; INTENSITY III - CATARMAN NORTHERN SAMAR; IROSIN SORSOGON; INTENSITY II - CATBALOGAN NORTHERN SAMAR.
MOS Error ellipse: s-maj=9.1km s-min=5.0km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=170.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c76; s87,c165; Moment tensor: Scale 10^{16}Nm; M_{rr}4.70±.24 $M_{\theta\theta}$0.73±.17; $M_{\phi\phi}$-5.44±.19; $M_{r\theta}$3.45±.30; $M_{\theta\phi}$6.38±.13; $M_{\phi r}$3.09±.31; Best double couple: NP1:ϕ_s113.00000°,δ57.00000°,λ33.00000°. NP2:ϕ_s3.00000°,δ63.00000°,λ142.00000°. Principal axes: T 9.3000,Plg45.0000° ,Azm326.0000°; N 0.1800,Plg45.0000°,Azm153.0000°; P -9.4900,Plg4.0000°,Azm59.0000° M_o9.40000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.4km az=82.0. Felt [V PIVS] at Legaspi and [III PIVS] at Irosin, Luzon. Felt [IV PIVS] at San Andres, Catanduanes. Also felt [III PIVS] at Catarman and [II PIVS] at Catbalogan, Samar.

(321) Southern Xinjiang

ISC VIII 30 12 46 47.6–.54 42.71N–.01 83.89E–.02 9–3 5.2b,5.1s 1065 3-161
BGS VIII 30 12 46 41.8–1.8 41.79N 84.16E 10–0 5.5s,4.9b **¶13392964**
ISCJB VIII 30 12 46 44.9–.59 42.70N–.02 83.84E–.02 2–3 5.2b,5.1s
LDG VIII 30 12 46 45.0–.32 42.65N 83.81E 10–0 5.2b,4.6s
IDC VIII 30 12 46 45.9–.39 42.74N 83.97E 0 5.1,5.1
NNC VIII 30 12 46 45.6–1.9 42.70N 84.14E 7–8 5.5,5.5b
BJI VIII 30 12 46 46.9 42.65N 83.95E 11 5.5s,5.5L
NEIC VIII 30 12 46 47.8–.11 42.73N 83.90E 10 5.2b,5.5L
GCMT VIII 30 12 46 49.7–.10 42.79N 83.96E 13–0 5.3W,5.5L
MOS VIII 30 12 46 49.2–1.0 42.69N 83.81E 31 5.4b,5.1s
SZGRF VIII 30 12 46 49.9 42.57N 84.38E 33 5.4b,5.0s
DJA VIII 30 12 46 53 42.13N 83.51E 15 5.4b,5.0s
ISC Event type fe.
BGS Error ellipse: s-maj=563.6km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=26.5.
LDG Event type ke. Error ellipse: s-maj=16.1km s-min=4.5km az=162.0.
IDC Error ellipse: s-maj=10.6km s-min=8.1km az=47.0.
NNC Error ellipse: s-maj=14.4km s-min=9.3km az=143.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=190.0. Felt at Korla.
GCMT Event type se. Data Used: IU II IC CN G. Moment Tensor Solution. s59,c90; s93,c175; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s265.00000°,δ39.00000°,λ118.00000°. NP2:ϕ_s50.00000° ,δ57.00000°,λ69.00000°. Principal axes: T 0.9600,Plg70.0000°,Azm272.0000° ; N 0.3600,Plg17.0000°,Azm62.0000°; P -1.3200,Plg9.0000°,Azm155.0000° M_o1.10000×10^{17}
MOS Error ellipse: s-maj=5.5km s-min=3.2km az=132.9.
SZGRF Northern Xinjiang, China.

(249) Luzon

ISC	VIII	31 00 29 38.9–.36	13.04N–.02	124.38E–.03	48–3	4.9b,4.1s	360	1-167
MAN	VIII	31 00 29 34	13.01N	124.23E	0	5.6b,5.0s	¶11227311	
MOS	VIII	31 00 29 35.6–.96	13.04N	124.35E	33	5.1b,4.0s		
BJI	VIII	31 00 29 35.5	12.99N	124.40E	36	4.9b,4.8b		
ISCJB	VIII	31 00 29 36.6–.41	13.06N–.02	124.43E–.03	42–3	4.9b,4.1s		
NEIC	VIII	31 00 29 37.2–.56	12.97N	124.39E	35–4	4.8b,4.1s		
IDC	VIII	31 00 29 37.0–2.2	12.89N	124.29E	36–16	4.6,4.6b		
DJA	VIII	31 00 29 50	12.92N	123.74E	103	4.9b,4.6b		

ISC Event type fe.

MAN Event type fe. INTENSITY III - SORSOGON CITY; IROSIN SORSOGON; CATARMAN NORTHERN SAMAR; INTENSITY II - BAGACAY ALBAY; LEGASPI CITY.

MOS Error ellipse: s-maj=9.3km s-min=5.2km az=116.0.

ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=174.3.

NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=82.0. Felt [III PIVS] at Catarman. Also felt [III PIVS] at Irosin and Sorsogon; [II PIVS] at Bagacay and Legaspi, Luzon.

IDC Error ellipse: s-maj=17.8km s-min=10.1km az=73.0.

(149) Drake Passage

ISC	VIII	31 01 15 25.4–.19	61.24S–.03	67.6W–.10	10	5.5b,4.9s	155	4-172
ISCJB	VIII	31 01 15 23.8–.19	61.23S–.03	67.6W–.10	10	5.5b,4.9s	¶11227312	
IDC	VIII	31 01 15 23.5–.32	61.25S	67.92W	0	5.3,5.3b		
MOS	VIII	31 01 15 24.7–.85	61.16S	67.93W	10	5.6b,4.9s		
NEIC	VIII	31 01 15 25.2–.09	61.23S	67.74W	10	5.6b,5.5W		
GCMT	VIII	31 01 15 26.6–.10	61.18S	68.37W	12	5.5W,5.5W		
DJA	VIII	31 01 15 38	61.58S	67.51W	95	5.9b,5.5W		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.4km az=169.1.

IDC Error ellipse: s-maj=17.0km s-min=11.2km az=87.0.

MOS Error ellipse: s-maj=23.8km s-min=9.5km az=85.6.

NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=85.0.

GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 87, comp=149, per= 50. Moment Tensor Solution. s60,c103; s38,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}2.21±.05 $M_{\theta\theta}$0.30±.04; $M_{\phi\phi}$-2.51±.04; $M_{r\theta}$0.42±.12; $M_{\theta\phi}$1.11±.03; $M_{\phi r}$-0.27±.10; Best double couple: NP1:ϕ_s352.00000°,δ42.00000°,λ106.00000°. NP2:ϕ_s151.00000°,δ50.00000°,λ76.00000°. Principal axes: T 2.3000,Plg78.0000°,Azm2.0000°; N 0.6300,Plg11.0000°,Azm160.0000° ; P -2.9300,Plg4.0000°,Azm250.0000° M_o2.60000×10^{17}

(318) Yunnan

ISC	VIII	31 08 31 09.8–.66	26.25N–.02	101.92E–.01	3–4	5.4b,5.2s	1081	1-173
ISCJB	VIII	31 08 31 08.8–.09	26.24N–.02	101.93E–.02	8	5.4b,5.2s	¶13393047	
BJI	VIII	31 08 31 10.0	26.27N	102.06E	13	5.8s,5.6L		
NEIC	VIII	31 08 31 10.7–.11	26.23N	101.97E	10	5.5b,5.3W		
TEH	VIII	31 08 31 11.0	26.23N	101.95E	10	5.5b,5.3W		
MOS	VIII	31 08 31 12.5–.81	26.20N	101.97E	35	5.5b,5.0s		
IDC	VIII	31 08 31 12.6–2.2	26.22N	101.95E	25–14	5.2L,4.9b		
DJA	VIII	31 08 31 13	26.21N	101.84E	10	5.8W,4.9b		
GCMT	VIII	31 08 31 14.2–.10	26.16N	102.01E	25–0	5.6W,4.9b		
SZGRF	VIII	31 08 31 18.0	26.44N	101.47E	33	5.5b,5.5s		
BGS	VIII	31 08 31 19.1–1.5	26.87N	99.84E	10–0	5.2s,5.1b		

ISC Event type de.

ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=1.9km az=30.7.

NEIC Event type de. Error ellipse: s-maj=3.3km s-min=2.7km az=218.0. Two people killed in the Panzhihua area. Felt [III] at Kunming. Also felt at Xichang. Moment Tensor Solution. s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-0.17 $M_{r\theta}$-0.03 $M_{\theta\phi}$-1.25 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s86.00000°,δ76.00000°,λ-177.00000°. NP2:ϕ_s355.00000° ,δ87.00000°,λ-14.00000°. Principal axes: T 1.3100,Plg7.0000°,Azm41.0000° ; N -0.0100,Plg75.0000°,Azm165.0000°; P -1.3000,Plg11.0000°,Azm309.0000° M_o1.30000×10^{17}

MOS Error ellipse: s-maj=6.0km s-min=3.4km az=119.1.

IDC Error ellipse: s-maj=10.7km s-min=9.4km az=69.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 96, comp=198, per= 50. Moment Tensor Solution. s73,c112; s33,c35; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.04 $M_{\theta\theta}$-0.97±.04; $M_{\phi\phi}$1.05±.04; $M_{r\theta}$-0.66±.09; $M_{\theta\phi}$-2.39±.04; $M_{\phi r}$-0.18±.09; Best double couple: NP1:ϕ_s11.00000°,δ77.00000°,λ-7.00000°. NP2:ϕ_s102.00000°,δ84.00000°,λ-167.00000°. Principal axes: T 2.6500,Plg5.0000°,Azm236.0000°; N 0.0700,Plg75.0000°,Azm128.0000° ; P -2.7200,Plg14.0000°,Azm327.0000° M_o2.70000×10^{17}

SZGRF Yunnan, China.

BGS Error ellipse: s-maj=395.6km s-min=474.0km az=-1.0.

(717) Afghanistan-Tajikistan border region

ISC	IX	01 04 24 30.4–.56	37.36N–.01	68.95E–.01	0–3	5.3b,5.0s	951	1-149
IDC	IX	01 04 24 29.6–.37	37.26N	69.04E	0	5.1,5.1	¶13393112	
ISCJB	IX	01 04 24 30.5–.09	37.32N–.01	68.95E–.01	14	5.3b,5.0s		
NEIC	IX	01 04 24 30.5–1.8	37.33N	68.93E	2–11	5.4b,4.9s		
BGS	IX	01 04 24 31.2–2.4	36.12N	67.46E	10–0	5.1s,5.0b		
NNC	IX	01 04 24 31.0–6.9	37.72N	68.61E	0	5.9,5.7b		
BJI	IX	01 04 24 32.0	37.57N	69.32E	5	5.5s,5.4b		
TEH	IX	01 04 24 33.0	37.42N	68.93E	10	5.5s,5.4b		
MOS	IX	01 04 24 33.3–.98	37.37N	68.97E	33	5.5b,4.9s		
SZGRF	IX	01 04 24 35.6	36.83N	68.78E	33	5.1b,4.9s		
DJA	IX	01 04 24 40	37.39N	68.99E	65	5.3b,4.9s		

ISC Event type fe.

IDC Error ellipse: s-maj=10.5km s-min=8.3km az=144.0.

ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=21.1.

NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=2.6km az=182.0. Felt at Dushanbe.

BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

NNC Error ellipse: s-maj=59.1km s-min=51.8km az=51.0.

MOS Event type fe. Error ellipse: s-maj=5.3km s-min=3.1km az=131.9. Felt (III-IV) at Dushanbe. Moment Tensor Solution.

SZGRF Hindu Kush, Afghanistan, region.

(181) Fiji Islands region

ISC	IX	01 07 06 16.8–.15	15.31S–.05	176.37W–.03	10	5.5s,5.3b	727	5-177
IDC	IX	01 07 06 14.5–.50	15.31S	176.38W	0	5.4s,5.4	¶12951821	
ISCJB	IX	01 07 06 15.2–.15	15.31S–.05	176.40W–.03	10	5.5s,5.3b		
NEIC	IX	01 07 06 16.7–.15	15.26S	176.41W	10	5.7W,5.6s		
DJA	IX	01 07 06 17	15.57S	176.02W	10	5.2b,5.6s		
SZGRF	IX	01 07 06 17.5	16.15S	175.62W	33	5.7b,5.6s		
BJI	IX	01 07 06 17.7	14.80S	176.63W	10	5.7b,5.3s		
MOS	IX	01 07 06 19.2–1.1	15.23S	176.50W	33	5.6s,5.5b		
GCMT	IX	01 07 06 21.4–.10	15.19S	176.12W	12	5.7W,5.5b		

ISC Event type se.

IDC Error ellipse: s-maj=19.3km s-min=15.4km az=136.0.

ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.2km az=157.1.

NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.0km az=145.0. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73 $M_{\theta\theta}$3.06 $M_{\phi\phi}$-2.33 $M_{r\theta}$-0.08 $M_{\theta\phi}$2.30 $M_{\phi r}$-0.66 Best double couple: NP1:ϕ_s294.00000°,δ78.00000°,λ-7.00000°. NP2:ϕ_s26.00000° ,δ84.00000°,λ-168.00000°. Principal axes: T 3.9300,Plg3.0000°,Azm159.0000° ; N -0.6100,Plg76.0000°,Azm53.0000°; P -3.3200,Plg13.0000°,Azm250.0000° M_o3.70000×10^{17}

SZGRF Tonga Islands.

MOS Error ellipse: s-maj=10.7km s-min=7.3km az=59.6.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=224, per= 50. Moment Tensor Solution. s81,c149; s44,c54; Moment tensor: Scale 10^{17}Nm; M_{rr}3.80±.05 $M_{\theta\theta}$-0.09±.05; $M_{\phi\phi}$-3.71±.05; $M_{r\theta}$-0.61±.16; $M_{\theta\phi}$3.49±.04; $M_{\phi r}$-0.03±.14; Best double couple: NP1:ϕ_s164.00000°,δ45.00000°,λ112.00000°. NP2:ϕ_s314.00000°,δ49.00000°,λ69.00000°. Principal axes: T 3.9600,Plg74.0000°,Azm155.0000°; N 1.8800,Plg16.0000°,Azm328.0000° ; P -5.8400,Plg2.0000°,Azm59.0000° M_o4.90000×10^{17}

(95) Windward Islands

ISC	IX	02 06 18 58.1–.67	13.87N–.02	60.39W–.03	19–3	4.6b,3.9s	416	1-163
IDC	IX	02 06 18 54.7–.45	13.86N	60.36W	0	4.5,4.4	¶11230917	
BJI	IX	02 06 18 56.0	13.90N	60.40W	16	5.5b,5.0s		
TRN	IX	02 06 18 56.4	13.87N	60.44W	14	4.7,4.5		
NEIC	IX	02 06 18 57.0	13.86N	60.44W	16	4.7b,4.7		
ISCJB	IX	02 06 18 58.5–.36	13.88N–.02	60.41W–.03	36–2	4.6b,3.9s		
FUNV	IX	02 06 19 01.9	13.77N	60.47W	25	4.2W,3.9s		
RSPR	IX	02 06 19 08.7	13.87N	61.32W	35–34	4.6,3.9s		

ISC Event type fe.

IDC Error ellipse: s-maj=14.2km s-min=10.7km az=76.0.

TRN Event type fe. Felt Widely in Saint Lucia,IV. St. Vinc ent III. Barbados III.

NEIC Event type fe. Felt at Babonneau, Blanchard, Castries, Choiseul, Desruisseaux and Monier. After TRN.

ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.6km az=175.4.

RSPR Event type ke.

(169) Samoa Islands region

ISC	IX	02 20 01 07.9–.13	15.42S–.05	173.38W–.04	35	5.2b,4.8s	605	2-175
IDC	IX	02 20 01 02.1–.39	15.59S	173.13W	0	5.1,5.0	¶11226754	
NEIC	IX	02 20 01 03.6–.14	15.41S	173.34W	10	5.4b,5.0s		
ISCJB	IX	02 20 01 05.9–.13	15.41S–.05	173.40W–.04	33	5.2b,4.8s		
SZGRF	IX	02 20 01 07.2	15.90S	173.36W	33	5.2b,4.8s		
MOS	IX	02 20 01 08.7–1.0	14.80S	173.13W	33	5.5b,4.7s		
GCMT	IX	02 20 01 15.7–.30	15.13S	173.07W	12	5.3W,4.7s		

ISC Event type se.

IDC Error ellipse: s-maj=18.9km s-min=10.5km az=124.0.

NEIC Event type se. Error ellipse: s-maj=8.8km s-min=3.7km az=139.0.

ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.3km az=140.5.

SZGRF Tonga Islands.

MOS Error ellipse: s-maj=17.7km s-min=8.4km az=64.3.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s22,c23; s76,c101; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.02 $M_{\theta\theta}$0.18±.02; $M_{\phi\phi}$-0.18±.01; $M_{r\theta}$-1.18±.05; $M_{\theta\phi}$-0.01±.02; $M_{\phi r}$0.47±.04; Best double couple: NP1:ϕ_s219.00000°,δ5.00000°,λ-163.00000°. NP2:ϕ_s112.00000°,δ88.00000°,λ-85.00000°. Principal axes: T 1.3400,Plg43.0000° ,Azm197.0000°; N -0.1300,Plg5.0000°,Azm292.0000°; P -1.2100,Plg46.0000°,Azm28.0000° M_o1.30000×10^{17}

(347) Western Iran

ISC	IX	03 22 43 12.8–.10	32.32N–.01	47.29E–.01	10	5.1b,4.3s	1753	1-130
BGS	IX	03 22 43 00.2–1.6	31.08N	48.19E	6–999	5.4b,4.3s	¶12922510	
BJI	IX	03 22 43 09.3	32.31N	46.55E	36	5.2b,5.0b		
ISCJB	IX	03 22 43 10.8–.10	32.31N–.01	47.30E–.01	10	5.1b,4.3s		
CSEM	IX	03 22 43 12.7–.06	32.34N	47.30E	10	5.1W,5.1b		
NEIC	IX	03 22 43 13.0	32.30N	47.20E	8	5.1b,5.0		
TEH	IX	03 22 43 13.7	32.30N	47.23E	8	5.1b,5.0		
IDC	IX	03 22 43 14.5–1.5	32.52N	47.36E	21–9	4.8,4.8		
MOS	IX	03 22 43 14.3–.97	32.40N	47.34E	33	5.3b,4.2s		
SGS	IX	03 22 43 14.9	32.26N	47.39E	0	5.3b,4.2s		
OMAN	IX	03 22 43 15.4–.05	32.05N	47.04E	43–0	5.3b,4.2s		
THR	IX	03 22 43 15.4–.80	32.50N	47.39E	14–7	4.9L,4.2s		
GCMT	IX	03 22 43 16.8–.20	32.44N	47.10E	12	5.1W,4.2s		
SZGRF	IX	03 22 43 25.8	33.01N	46.12E	33	5.3b,4.1s		
DJA	IX	03 22 43 26	30.31N	49.05E	10	5.6b,4.1s		

ISC Event type ke.

BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=22.6.

CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=11.0.

NEIC Event type se. After TEH.

IDC Error ellipse: s-maj=7.8km s-min=7.2km az=149.0.

MOS Error ellipse: s-maj=6.9km s-min=3.0km az=124.8.

OMAN Error ellipse: s-maj=3.7km s-min=1.0km az=243.0.

THR Error ellipse: s-maj=5.3km s-min=11.3km az=-1.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s38,c52; s76,c138; Moment tensor: Scale 10^{16}Nm; M_{rr}4.56±.13 $M_{\theta\theta}$-3.92±.11; $M_{\phi\phi}$-0.64±.13; $M_{r\theta}$1.60±.39; $M_{\theta\phi}$3.27±.10; $M_{\phi r}$-1.51±.48; Best double couple: NP1:ϕ_s294.00000°,δ34.00000°,λ78.00000°. NP2:ϕ_s128.00000°,δ57.00000°,λ98.00000°. Principal axes: T 5.0400,Plg77.0000° ,Azm63.0000°; N 1.3200,Plg7.0000°,Azm304.0000°; P -6.3700,Plg11.0000°,Azm212.0000° M_o5.70000×10^{16}

SZGRF Iran-Iraq border region.

(177) Kermadec Islands region

ISC	IX	04 16 09 52.7–.15	31.82S–.03	177.79W–.04	35	5.8s,5.3b	268	3-173
IDC	IX	04 16 09 47.1–.41	31.55S	177.71W	0	5.7,5.7s	¶11232467	
BJI	IX	04 16 09 49.7	31.62S	177.82W	23	5.8b,5.7s		
ISCJB	IX	04 16 09 50.9–.15	31.84S–.03	177.81W–.04	33	5.8s,5.3b		
NEIC	IX	04 16 09 51.4–3.2	31.56S	177.81W	26–21	5.9s,5.7W		
MOS	IX	04 16 09 52.0–1.4	31.47S	177.76W	33	5.7s,5.7b		
GCMT	IX	04 16 09 54.6–.10	31.71S	177.19W	12	5.8W,5.7b		
SZGRF	IX	04 16 09 55.4	32.03S	176.77W	76	5.8W,5.7b		

ISC Event type se.

IDC Error ellipse: s-maj=16.0km s-min=13.2km az=3.0.

ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=39.0.

NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.0km az=150.0.

MOS Error ellipse: s-maj=13.2km s-min=9.7km az=87.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=244, per= 50. Moment Tensor Solution. s94,c196; s73,c87; Moment tensor: Scale 10^{17}Nm; M_{rr}4.41±.03 $M_{\theta\theta}$0.02±.03; $M_{\phi\phi}$-4.43±.03; $M_{r\theta}$0.92±.10; $M_{\theta\phi}$-1.08±.03; $M_{\phi r}$4.77±.10; Best double couple: NP1:ϕ_s195.00000°,δ22.00000°,λ93.00000°. NP2:ϕ_s11.00000°,δ68.00000°,λ89.00000°. Principal axes: T 6.5200,Plg67.0000°,Azm279.0000°; N 0.2600,Plg1.0000°,Azm12.0000° ; P -6.7800,Plg23.0000°,Azm102.0000° M_o6.70000×10^{17}

SZGRF South of Kermadec Islands.

(403) Northern Mid-Atlantic Ridge

ISC	IX	04 18 47 56.0–.31	30.16N–.07	42.60W–.03	10	4.7b,4.6s	263	25-119
IDC	IX	04 18 47 53.8–.55	30.09N	42.51W	0	4.5s,4.5	¶11265444	
ISCJB	IX	04 18 47 54.0–.31	30.17N–.07	42.63W–.03	10	4.7b,4.6s		
BJI	IX	04 18 47 54.3	30.10N	42.60W	10	5.5b,5.2b		
NEIC	IX	04 18 47 55.3–.30	30.10N	42.59W	10	4.8b,5.2b		
GCMT	IX	04 18 47 59.5–.20	30.17N	42.57W	12	5.4W,5.2b		

ISC Event type se.

IDC Error ellipse: s-maj=15.6km s-min=12.5km az=170.0.

ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=3.1km az=173.6.

NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.0km az=172.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c97; s95,c186; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45±.03 $M_{\theta\theta}$0.79±.03; $M_{\phi\phi}$-0.34±.03; $M_{r\theta}$-0.65±.07; $M_{\theta\phi}$1.20±.02; $M_{\phi r}$-0.63±.06; Best double couple: NP1:ϕ_s285.00000°,δ59.00000°,λ-1.00000°. NP2:ϕ_s16.00000°,δ89.00000°,λ-148.00000°. Principal axes: T 1.8900,Plg21.0000° ,Azm146.0000°; N -0.7100,Plg58.0000°,Azm18.0000°; P -1.1800,Plg23.0000° ,Azm245.0000° M_o1.50000×10^{17}

(407) North of Ascension Island

ISC	IX	05 19 07 37.8–.81	1.20S–.02	13.96W–.03	7–5	5.5s,5.3b	916	12-173
BGS	IX	05 19 07 31.2–1.9	2.11S	12.70W	10–0	5.4s,5.2b	¶12951908	
MOS	IX	05 19 07 36.7–.92	1.13S	13.88W	10	5.5s,5.5b		
ISCJB	IX	05 19 07 36.4–.16	1.17S–.02	13.94W–.03	10	5.5s,5.3b		
BJI	IX	05 19 07 36.7	1.70S	13.49W	10	5.7s,5.7b		
IDC	IX	05 19 07 37.2–.42	1.15S	13.97W	0	5.4s,5.4		
NEIC	IX	05 19 07 38.3–.16	1.17S	13.96W	10	5.8W,5.7W		
IGIL	IX	05 19 07 38.9	1.15S	13.88W	10	5.4s,5.7W		
DJA	IX	05 19 07 41	1.01S	13.92W	10	5.6b,5.7W		
GCMT	IX	05 19 07 42.4–.10	0.88S	13.79W	12	5.8W,5.7W		
SZGRF	IX	05 19 07 43.7	0.65S	13.45W	33	5.5s,5.4b		

ISC Event type se.

BGS Error ellipse: s-maj=397.0km s-min=362.3km az=-1.0.

MOS Error ellipse: s-maj=9.1km s-min=3.0km az=70.2.

ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.4km az=14.4.

IDC Error ellipse: s-maj=12.7km s-min=11.3km az=142.0.

NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=136.0. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36 $M_{\theta\theta}$0.94 $M_{\phi\phi}$-1.30 $M_{r\theta}$0.80 $M_{\theta\phi}$-3.97 $M_{\phi r}$-0.81 Best double couple: NP1:ϕ_s173.00000°,δ80.00000°,λ13.00000°. NP2:ϕ_s81.00000° ,δ77.00000°,λ170.00000°. Principal axes: T 4.2700,Plg16.0000°,Azm37.0000° ; N 0.0400,Plg73.0000°,Azm209.0000°; P -4.3100,Plg2.0000°,Azm306.0000° M_o4.30000×10^{17}

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=254, per= 50. Moment Tensor Solution. s97,c187; s80,c99; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32±.04 $M_{\theta\theta}$2.36±.05; $M_{\phi\phi}$-2.04±.05; $M_{r\theta}$-0.41±.12; $M_{\theta\phi}$-5.25±.04; $M_{\phi r}$0.72±.12; Best double couple: NP1:ϕ_s258.00000°,δ82.00000°,λ178.00000°. NP2:ϕ_s349.00000°,δ88.00000°,λ8.00000°. Principal axes: T 5.9400,Plg7.0000°,Azm214.0000°; N -0.3800,Plg82.0000°,Azm3.0000° ; P -5.5600,Plg4.0000°,Azm123.0000° M_o5.80000×10^{17}

SZGRF North of Ascension Island.

(404) Azores Islands region

ISC	IX	06 21 05 23.8–.47	36.3N–.10	33.79W–.06	10	4.3b,3.8s	47	23-161
BJI	IX	06 21 05 18.9	36.42N	34.39W	5	5.6b,5.1b	¶11277449	
ISCJB	IX	06 21 05 22.0–.47	36.3N–.10	33.87W–.06	10	4.3b,3.8s		
IDC	IX	06 21 05 22.0–.66	36.27N	33.85W	0	4.2,4.0		
NEIC	IX	06 21 05 23.7–.34	36.25N	33.81W	10	4.7b,4.0		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=7.5km az=2.6.

IDC Error ellipse: s-maj=20.8km s-min=14.6km az=5.0.

NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.5km az=184.0.

(429) Mid-Indian Ridge

ISC	**IX**	**07 02 05 33.8–.20**	**23.72S–.04**	**69.41E–.03**	**10**	**5.3b,4.9s**	**458**	**21-172**
BJI	IX	07 02 05 29.2	23.78S	68.97E	5	5.3b,5.1s		**¶13393636**
IDC	IX	07 02 05 32.0–.41	23.70S	69.51E	0	4.6s,4.6		
MOS	IX	07 02 05 32.5–.85	23.58S	69.56E	10	5.6b,4.7s		
ISCJB	IX	07 02 05 32.1–.20	23.69S–.04	69.46E–.04	10	5.3b,4.9s		
NEIC	IX	07 02 05 33.7–.14	23.71S	69.49E	10	5.4b,5.0s		
TEH	IX	07 02 05 34.0	23.77S	69.48E	10	5.4b,5.0s		
GCMT	IX	07 02 05 35.6–.20	23.47S	69.41E	12	5.4W,5.0s		
SZGRF	IX	07 02 05 54.7	20.95S	65.98E	22	5.6b,5.0s		

ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=11.5km az=17.0.
MOS Error ellipse: s-maj=10.6km s-min=5.3km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.7km az=0.6.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.2km az=198.0.
GCMT Event type se. Data Used: II IU CN IC. Surface waves: sta= 88, comp=181, per= 50. Moment Tensor Solution. s47,c70; s15,c15; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.02 $M_{\theta\theta}$0.28±.01; $M_{\phi\phi}$0.75±.02; $M_{r\theta}$-0.02±.05; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$0.94±.05; Best double couple: NP1:ϕ_s317.00000°,δ26.00000°,λ-119.00000°. NP2:ϕ_s169.00000°,δ67.00000°,λ-77.00000°. Principal axes: T 1.2900,Plg21.0000°,Azm248.0000°; N 0.1500,Plg12.0000°,Azm343.0000° ; P -1.4400,Plg65.0000°,Azm102.0000° M_o1.40000×10^{17}
SZGRF Mauritius - Reunion region.

(186) Vanuatu Islands

ISC	**IX**	**08 03 03 17.7–.10**	**19.89S–.02**	**169.09E–.02**	**43**	**6.0b,5.8s**	**538**	**3-173**
LDG	IX	08 03 03 12.4–.08	19.59S	169.01E	10–0	6.3b,5.7s		**¶12951953**
NOU	IX	08 03 03 13.7–1.1	19.55S	169.01E	10–0	4.3L,3.5		
BJI	IX	08 03 03 14.2	19.55S	169.30E	25	6.2b,5.9s		
MOS	IX	08 03 03 14.9–.90	19.87S	169.10E	33	6.1b,5.8s		
ISCJB	IX	08 03 03 15.9–.10	19.89S–.02	169.04E–.02	41	6.0b,5.8s		
NEIC	IX	08 03 03 15.9–.10	19.96S	169.11E	36	6.2W,6.1W		
IGIL	IX	08 03 03 16.3	20.03S	169.12E	35	6.1s,6.1W		
IDC	IX	08 03 03 17.4–.30	19.94S	169.05E	44–2	5.7s,5.7		
SZGRF	IX	08 03 03 17.2	19.87S	170.71E	43	6.0b,5.7		
GCMT	IX	08 03 03 20.9–.10	19.97S	168.81E	48–0	6.2W,5.7		
DJA	IX	08 03 03 30	19.65S	168.65E	127	6.4W,5.7		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=9.4km s-min=3.1km az=126.0.
NOU Error ellipse: s-maj=24.1km s-min=29.3km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=7.7km az=60.9.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=44.9.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.8km az=167.0. Felt at Port-Vila. Also felt at Noumea, New Caledonia. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s340.00000°,δ45.00000°,λ90.00000°. NP2: ϕ_s160.00000°,δ45.00000°,λ90.00000°. Principal axes: T Plg90.0000°,Azm0.0000° ; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm70.0000° Moment Tensor Solution. s63 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-1.84 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.74 $M_{\phi r}$-0.19 Best double couple: NP1:ϕ_s335.00000°,δ43.00000°,λ78.00000°. NP2:ϕ_s171.00000° ,δ48.00000°,λ101.00000°. Principal axes: T 1.5500,Plg81.0000°,Azm145.0000° ; N 0.5300,Plg7.0000°,Azm343.0000°; P -2.0700,Plg2.0000°,Azm253.0000° M_o1.90000×10^{18} Moment Tensor Solution. M_o4.10000×10^{18}
IDC Error ellipse: s-maj=9.8km s-min=7.5km az=160.0.
SZGRF Vanuatu Islands.
GCMT Event type se. Data Used: II IU IC. Surface waves: sta=100, comp=239, per= 50. Moment Tensor Solution. s96,c236; s80,c136; Moment tensor: Scale 10^{18}Nm; M_{rr}2.07±.01 $M_{\theta\theta}$0.37±.01; $M_{\phi\phi}$-2.44±.01; $M_{r\theta}$-0.54±.01; $M_{\theta\phi}$0.25±.01; $M_{\phi r}$-0.21±.01; Best double couple: NP1:ϕ_s339.00000°,δ45.00000°,λ66.00000°. NP2:ϕ_s191.00000°,δ49.00000°,λ112.00000°. Principal axes: T 2.2400,Plg73.0000°,Azm168.0000°; N 0.2200,Plg17.0000°,Azm356.0000° ; P -2.4700,Plg2.0000°,Azm265.0000° M_o2.40000×10^{18}

(274) Southern Sumatera

ISC	**IX**	**09 03 07 29.6–.11**	**3.90S–.02**	**102.93E–.02**	**35**	**5.3b,4.9s**	**732**	**0-176**
IDC	IX	09 03 07 24.0–.31	3.73S	103.29E	0	5.2,5.2		**¶11255563**
ISCJB	IX	09 03 07 27.8–.11	3.88S–.02	102.95E–.02	33	5.3b,4.9s		
NEIC	IX	09 03 07 27.5–.94	3.94S	103.06E	25–6	5.4b,4.9s		
GCMT	IX	09 03 07 27.8–.30	3.99S	103.15E	12–1	5.2W,4.9s		
MOS	IX	09 03 07 27.8–1.0	3.68S	103.18E	33	5.5b,4.8s		
BJI	IX	09 03 07 28.5	3.90S	103.10E	45	5.3s,5.2		
TEH	IX	09 03 07 30.0	3.87S	103.07E	39	5.3s,5.2		
DJA	IX	09 03 07 32	3.98S	103.01E	36	5.6W,5.2		
SZGRF	IX	09 03 07 37.5	3.63S	100.37E	33	5.2b,5.0s		

ISC Event type de.
IDC Error ellipse: s-maj=14.4km s-min=9.4km az=52.0.
ISCJB Event type de. Error ellipse: s-maj=3.4km s-min=2.1km az=37.7.
NEIC Event type de. Error ellipse: s-maj=5.6km s-min=4.5km az=48.0. Two people killed and 113 homes severely damaged [VI] at Lahat. Several buildings also damaged at Jarai. Felt [IV] at Kapahiang and Pagaralam and [III] at Bengkulu.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s29,c41; s66,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}6.16±.43 $M_{\theta\theta}$-8.34±.28; $M_{\phi\phi}$2.18±.32; $M_{r\theta}$-0.91±.61; $M_{\theta\phi}$1.99±.19; $M_{\phi r}$-2.12±.88; Best double couple: NP1:ϕ_s124.00000°,δ48.00000°,λ125.00000°. NP2:ϕ_s257.00000°,δ52.00000°,λ57.00000°. Principal axes: T 7.2500,Plg64.0000° ,Azm104.0000°; N 1.4700,Plg25.0000°,Azm279.0000°; P -8.7200,Plg2.0000°,Azm10.0000° M_o8.00000×10^{16}
MOS Error ellipse: s-maj=8.5km s-min=4.5km az=122.9.
SZGRF Southern Sumatera, Indonesia.

(193) Bougainville - Solomon Islands region

ISC	**IX**	**09 12 22 50.3–1.0**	**9.23S–.03**	**158.24E–.02**	**15–6**	**5.7b,5.6s**	**583**	**2-163**
BJI	IX	09 12 22 46.1	8.98S	158.61E	8	5.9b,5.8s		**¶12951973**
IDC	IX	09 12 22 46.7–.38	9.27S	158.39E	0	5.6,5.6		
ISCJB	IX	09 12 22 47.2–.91	9.22S–.03	158.19E–.02	5–5	5.7b,5.6s		
MOS	IX	09 12 22 49.1–2.5	9.29S	158.23E	33	5.9b,5.6s		
IGIL	IX	09 12 22 49.2	9.29S	158.25E	10	5.9s,5.6s		
NEIC	IX	09 12 22 49.1–.12	9.27S	158.26E	12	6.3,5.9W		
GCMT	IX	09 12 22 53.0–.10	9.42S	158.36E	18–0	5.9W,5.9W		
DJA	IX	09 12 23 09	9.39S	157.82E	162	5.5b,5.9W		

ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=12.7km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.3km az=174.8.
MOS Error ellipse: s-maj=7.3km s-min=6.2km az=73.7.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.7km az=144.0. Felt [III] at Honiara. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s51 Moment tensor: Scale 10^{17}Nm; M_{rr}3.95 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$-2.62 $M_{r\theta}$-0.48 $M_{\theta\phi}$7.32 $M_{\phi r}$-1.29 Best double couple: NP1:ϕ_s276.00000° ,δ67.00000°,λ20.00000°. NP2:ϕ_s178.00000°,δ71.00000°,λ156.00000°. Principal axes: T 6.0800,Plg30.0000°,Azm136.0000°; N 3.2700,Plg59.0000°,Azm322.0000° ; P -9.3600,Plg2.0000°,Azm227.0000° M_o8.20000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=123, comp=264, per= 50. Moment Tensor Solution. s113,c236; s87,c121; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s6.00000°,δ74.00000° ,λ170.00000°. NP2:ϕ_s99.00000°,δ80.00000°,λ16.00000°. Principal axes: T 0.8600,Plg18.0000°,Azm323.0000°; N 0.3100,Plg71.0000°,Azm129.0000° ; P -1.1700,Plg4.0000°,Azm232.0000° M_o1.00000×10^{18}

(706) Northern Sumatera

ISC	**IX**	**10 03 00 31.0–.14**	**2.52N–.02**	**96.30E–.02**	**42**	**5.3s,5.2b**	**498**	**1-174**
SZGRF	IX	10 03 00 20.9	2.39N	99.07E	80	5.1s,5.0b		**¶11255612**
IDC	IX	10 03 00 23.9–.41	2.59N	96.37E	0	5.2s,5.2		
BJI	IX	10 03 00 25.7	2.10N	96.20E	46	5.7b,5.6s		
DJA	IX	10 03 00 27	2.39N	96.08E	12	5.5b,5.6s		
MOS	IX	10 03 00 28.2–1.0	2.57N	96.35E	33	5.4b,5.1s		
ISCJB	IX	10 03 00 28.9–.14	2.53N–.02	96.32E–.02	40	5.3s,5.2b		
NEIC	IX	10 03 00 30.9–.90	2.51N	96.32E	43–7	5.4W,5.2b		
GCMT	IX	10 03 00 30.4–.10	2.13N	96.03E	30–0	5.5W,5.2b		

ISC Event type fe.
SZGRF Northern Sumatera, Indonesia.
IDC Error ellipse: s-maj=15.7km s-min=12.7km az=62.0.
MOS Error ellipse: s-maj=8.3km s-min=4.6km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=37.7.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=222.0. Felt [III] at Sinabang. Moment Tensor Solution. s78 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$-0.30 $M_{r\theta}$0.96 $M_{\theta\phi}$0.59 $M_{\phi r}$-0.73 Best double couple: NP1:ϕ_s301.00000°,δ22.00000°,λ85.00000°. NP2:ϕ_s126.00000°,δ68.00000°,λ92.00000°. Principal axes: T 1.6200,Plg66.0000° ,Azm40.0000°; N 0.0900,Plg1.0000°,Azm305.0000°; P -1.7100,Plg23.0000°,Azm214.0000° M_o1.70000×10^{17}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s80,c127; s90,c149; Moment tensor: Scale 10^{17}Nm; M_{rr}1.17±.03 $M_{\theta\theta}$-0.84±.02; $M_{\phi\phi}$-0.33±.03; $M_{r\theta}$1.26±.04; $M_{\theta\theta}$0.88±.02; $M_{\phi r}$-1.02±.05; Best double couple: NP1:ϕ_s304.00000°,δ20.00000°,λ86.00000°. NP2:ϕ_s129.00000°,δ70.00000°,λ92.00000°. Principal axes: T 1.9400,Plg65.0000° ,Azm41.0000°; N 0.3300,Plg1.0000°,Azm308.0000°; P -2.2700,Plg25.0000°,Azm218.0000° M_o2.10000×10^{17}

(351) Eastern Arabian Peninsula

ISC	**IX**	**10 11 00 34.5–.09**	**26.77N–.01**	**55.83E–.01**	**12**	**6.0b,5.9s**	**2646**	**1-174**
BGS	IX	10 11 00 21.8–1.6	25.20N	56.35E	12–0	5.8s,5.8b		**¶13393964**
BJI	IX	10 11 00 29.0	27.02N	55.19E	12	6.3s,6.3b		
ISCJB	IX	10 11 00 32.7–.09	26.77N–.01	55.82E–.01	12	6.0b,5.9s		
NEIC	IX	10 11 00 34.1–.13	26.74N	55.83E	12	6.1b,6.0s		
PDA	IX	10 11 00 34.7	26.82N	55.83E	15	6.1b,6.0s		
IGIL	IX	10 11 00 34.6	26.83N	55.83E	15	5.7b,6.0s		
THR	IX	10 11 00 35.1–.62	26.94N	55.72E	7–4	6.2b,5.8L		
CSEM	IX	10 11 00 35.0–.07	26.80N	55.87E	16	6.1W,6.1b		
SFS	IX	10 11 00 35.0	26.86N	55.80E	15	6.1L,6.1b		
TEH	IX	10 11 00 35.3	27.00N	55.83E	10	6.1L,6.1b		
IDC	IX	10 11 00 36.9–1.6	26.88N	55.90E	27–10	5.8s,5.8		
SGS	IX	10 11 00 36.5	26.91N	55.64E	0	5.8s,5.8		
MOS	IX	10 11 00 36.0–.86	26.87N	55.80E	33	6.1b,5.9s		
OMAN	IX	10 11 00 38.1–2.6	26.94N	56.08E	36–999	6.1b,5.9s		
GCMT	IX	10 11 00 38.4–.10	26.65N	55.72E	12	6.1W,5.9s		
DJA	IX	10 11 00 42	26.97N	55.79E	67	6.5W,5.9s		
SZGRF	IX	10 11 00 57.4	28.04N	53.20E	33	5.8b,5.7s		

ISC Event type de.
BGS Error ellipse: s-maj=349.7km s-min=244.0km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=1.8km s-min=1.4km az=12.7.
NEIC Event type de. Error ellipse: s-maj=3.1km s-min=2.3km az=198.0. Seven people killed and at least 30 injured in the Bandar 'Abbas area. Fifteen people injured on Jazireh-ye Qeshm. Many villages damaged in Hormozgan. Felt [IV] at Ajman and Ra's al Khaymah; [III] at Abu Dhabi, Dubai and Sharjah, United Arab Emirates. Also felt at Al 'Ayn and Al Fujayrah. Felt [II] at Doha, Qatar. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s225.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm315.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm135.0000° Moment Tensor Solution. s115 Moment tensor: Scale 10^{17}Nm; M_{rr}5.58 $M_{\theta\theta}$-2.94 $M_{\phi\phi}$-2.63 $M_{r\theta}$-1.84 $M_{\theta\phi}$-4.70 $M_{\phi r}$1.20 Best double couple: NP1:ϕ_s248.00000°,δ52.00000°,λ122.00000°. NP2:ϕ_s23.00000° ,δ48.00000°,λ56.00000°. Principal axes: T 6.5800,Plg65.0000°,Azm221.0000° ; N 0.9400,Plg24.0000°,Azm47.0000°; P -7.5100,Plg2.0000°,Azm316.0000° M_o7.10000×10^{17}
THR Error ellipse: s-maj=6.3km s-min=5.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=5.0.
SFS Event type ke.
IDC Error ellipse: s-maj=8.0km s-min=7.3km az=129.0.
MOS Error ellipse: s-maj=5.7km s-min=2.6km az=125.6.
OMAN Error ellipse: s-maj=84.1km s-min=11.9km az=356.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=102, comp=247, per= 50. Moment Tensor Solution. s99,c196; s81,c108; Moment tensor: Scale 10^{18}Nm; M_{rr}1.34±.01 $M_{\theta\theta}$-1.35±.01; $M_{\phi\phi}$0.01±.01; $M_{r\theta}$0.72±.04; $M_{\theta\phi}$-0.91±.01; $M_{\phi r}$0.19±.04; Best double couple: NP1:ϕ_s234.00000°,δ33.00000°,λ76.00000°. NP2:ϕ_s71.00000°,δ58.00000°,λ99.00000°. Principal axes: T 1.5200,Plg75.0000°,Azm7.0000°; N 0.4400,Plg8.0000°,Azm246.0000° ; P -1.9600,Plg12.0000°,Azm154.0000° M_o1.70000×10^{18}
SZGRF Southern Iran.

(353) Southern Iran

ISC	**IX**	**10 11 33 11.5–.17**	**26.82N–.02**	**55.82E–.02**	**10**	**5.0s,4.7b**	**518**	**1-127**
BJI	IX	10 11 33 07.4	27.12N	55.34E	10	5.5b,5.2s		**¶13393967**
IDC	IX	10 11 33 09.4–.49	26.84N	55.88E	0	4.6b,4.6		
ISCJB	IX	10 11 33 09.6–.19	26.80N–.02	55.79E–.02	10	5.0s,4.7b		
CSEM	IX	10 11 33 11.4–.12	26.83N	55.83E	10	4.7b,4.7b		
MOS	IX	10 11 33 12.4–.82	26.81N	55.86E	33	4.8b,4.7b		
THR	IX	10 11 33 12.4–.28	26.92N	55.71E	10–3	4.3L,4.7b		
TEH	IX	10 11 33 12.1	26.91N	55.84E	20	4.3L,4.7b		
NEIC	IX	10 11 33 12.3	26.92N	55.71E	10	4.8b,4.5		
SGS	IX	10 11 33 14.9	26.85N	55.71E	10	4.8b,4.5		
OMAN	IX	10 11 33 16.7–18	26.64N	56.07E	15–0	4.8b,4.5		
SZGRF	IX	10 11 33 43.6	28.82N	52.46E	33	4.6b,4.5		

ISC Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=11.3km az=164.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=168.1.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=115.0.
MOS Error ellipse: s-maj=7.9km s-min=4.3km az=117.0.
THR Error ellipse: s-maj=4.0km s-min=3.0km az=-1.0.
NEIC Event type se. After THR.
OMAN Error ellipse: s-maj=9.9km s-min=2.8km az=35.0.
SZGRF Southern Iran.

(406) Central Mid-Atlantic Ridge

ISC	**IX**	**10 13 08 14.1–.77**	**8.13N–.03**	**38.68W–.01**	**3–4**	**6.5s,6.2b**	**2495**	**14-174**
SZGRF	IX	10 13 08 11.4	7.57N	38.27W	33	6.6b,6.5s		**¶13393977**
MOS	IX	10 13 08 12.8–1.0	8.12N	38.72W	10	6.5s,6.3b		
ISCJB	IX	10 13 08 13.2–.12	8.13N–.02	38.66W–.01	10	6.5s,6.2b		
IDC	IX	10 13 08 13.4–.29	8.24N	38.82W	0	6.4,6.4s		
SFS	IX	10 13 08 14.0	8.09N	38.70W	10	6.6L,6.4s		
PDA	IX	10 13 08 14.9	8.09N	38.75W	10	6.5b,6.4s		
IGIL	IX	10 13 08 14.8	8.09N	38.75W	10	6.5b,6.4s		
BGS	IX	10 13 08 14.1–2.4	8.55N	39.56W	10–0	6.5s,5.9b		
CSEM	IX	10 13 08 14.9–.07	8.11N	38.70W	9	6.6W,6.4s		
NEIC	IX	10 13 08 14.7–.13	8.09N	38.71W	9	6.9,6.6W		
GCMT	IX	10 13 08 21.6–.10	8.18N	38.54W	15–0	6.6W,6.6W		
DJA	IX	10 13 08 22	8.16N	37.67W	11	6.4b,6.6W		

ISC Event type ke.
SZGRF Central Mid-Atlantic Ridge.
MOS Error ellipse: s-maj=11.5km s-min=9.6km az=89.7.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=171.0.
IDC Error ellipse: s-maj=9.1km s-min=6.2km az=143.0.
SFS Event type ke.
BGS Error ellipse: s-maj=640.3km s-min=161.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=1.9km az=169.0.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=1.9km az=168.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s178.00000°,δ80.00000° ,λ-5.00000°. NP2:ϕ_s269.00000°,δ85.00000°,λ-170.00000°. Principal axes: T Plg4.0000° ,Azm43.0000°; N Plg0.0000°,Azm0.0000°; P Plg11.0000°,Azm134.0000° Moment Tensor Solution. s127 Moment tensor: Scale 10^{18}Nm; M_{rr}0.03 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$0.62 $M_{r\theta}$1.35 $M_{\theta\phi}$-6.86 $M_{\phi r}$-1.40 Best double couple: NP1:ϕ_s184.00000°,δ79.00000°,λ10.00000°. NP2:ϕ_s92.00000° ,δ80.00000°,λ169.00000°. Principal axes: T 7.3900,Plg14.0000°,Azm47.0000° ; N -0.4900,Plg75.0000°,Azm229.0000°; P -6.9000,Plg0.0000°,Azm137.0000° M_o7.20000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 109 sta. Surface waves: sta=112, comp=264, per= 50. Moment Tensor Solution. s112,c258; s99,c230; Moment tensor: Scale 10^{19}Nm; M_{rr}0.03±.01 $M_{\theta\theta}$-0.12±.01; $M_{\phi\phi}$0.09±.01; $M_{r\theta}$0.04±.02; $M_{\theta\phi}$-1.01±.01; $M_{\phi r}$0.26±.02; Best double couple: NP1:ϕ_s273.00000°,δ76.00000° ,λ-179.00000°. NP2:ϕ_s183.00000°,δ89.00000°,λ-14.00000°. Principal axes: T 1.0300,Plg10.0000°,Azm229.0000°; N 0.0400,Plg76.0000°,Azm1.0000° ; P -1.0700,Plg10.0000°,Azm137.0000° M_o1.10000×10^{19}

(123) Northern Chile

ISC	**IX**	**10 16 11 59.3–.89**	**20.31S–.03**	**69.18W–.03**	**4–5**	**5.5b,5.3s**	**791**	**1-178**
ISCJB	IX	10 16 11 58.4–.94	20.24S–.03	69.21W–.03	8–5	5.5b,5.3s		**¶11255640**
MOS	IX	10 16 12 02.9–1.1	20.05S	69.24W	33	5.7b,5.2s		
GUC	IX	10 16 12 03.3–.37	20.45S	69.49W	34–3	6.0L,5.2s		
IDC	IX	10 16 12 03.7–.37	20.33S	69.36W	35–2	5.2s,5.2		
BJI	IX	10 16 12 03.5	19.81S	69.12W	33	5.7s,5.6		
NEIC	IX	10 16 12 04.0–.15	20.26S	69.22W	38	5.6b,5.3s		
GCMT	IX	10 16 12 11.6–.20	20.41S	69.56W	36–0	5.7W,5.3s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.9km az=43.7.
MOS Error ellipse: s-maj=11.1km s-min=5.9km az=114.5.
GUC Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=15.2km s-min=10.3km az=73.0.

NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.5km az=46.0. Felt [VI] at Alto Hospicio, Camina, Colchane, Cuya, Huara, Iquique, Pisagua and Pozo Almonte; [IV] at Arica; [III] at Calama, Mejillones and Tocopilla; [II] at Antofagasta, Maria Elena and Putre.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 98, comp=176, per= 50. Moment Tensor Solution. s69,c98; s20,c22; Moment tensor: Scale 10^{17}Nm; M_{rr}3.28±.16 $M_{\theta\theta}$-5.65±.10; $M_{\phi\phi}$2.37±.12; $M_{r\theta}$1.53±.11; $M_{\theta\phi}$-1.83±.08; $M_{\phi r}$1.21±.15; Best double couple: NP1:ϕ_s289.00000°,δ44.00000°,λ138.00000°. NP2:ϕ_s52.00000°,δ62.00000°,λ54.00000°. Principal axes: T 4.1200,Plg57.0000°,Azm273.0000°; N 2.2400,Plg31.0000°,Azm70.0000° ; P -6.3700,Plg10.0000°,Azm167.0000° M_o5.30000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**IX**	**11 00 20 52.9–.07**	**41.94N–.02**	**143.83E–.01**	**39**	**7.1s,6.0b**	**1941**	**1-161**
NIED	IX	11 00 20 00	41.80N	144.20E	29	6.8W,6.0b		**¶14099109**
BGS	IX	11 00 20 43.6–2.0	40.92N	142.41E	33–0	7.2s,5.8b		
IDC	IX	11 00 20 47.7–2.1	41.91N	143.75E	9–12	7.1s,7.1		
BJI	IX	11 00 20 49.4	41.90N	143.78E	33	7.3s,7.2b		
ISCJB	IX	11 00 20 50.9–.07	41.90N–.02	143.86E–.01	37	7.1s,6.0b		
NEIC	IX	11 00 20 50.9–.12	41.89N	143.75E	25	7.0s,6.8W		
JMA	IX	11 00 20 51.3–.20	41.78N	144.15E	31–3	7.1,6.8W		
MOS	IX	11 00 20 51.0–1.2	41.93N	143.81E	42	7.2s,6.4b		
DJA	IX	11 00 20 53	42.02N	143.60E	16	7.1W,6.4b		
SZGRF	IX	11 00 20 54.5	42.87N	144.73E	33	7.8s,6.5b		
GCMT	IX	11 00 20 56.1–.10	41.79N	144.11E	20	6.8W,6.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ78.00000°,λ56.00000°. NP2:ϕ_s269.00000°,δ36.00000°,λ159.00000°. M_o1.97000×10^{19}
BGS Error ellipse: s-maj=206.2km s-min=514.4km az=-1.0.
IDC Error ellipse: s-maj=11.9km s-min=9.1km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=159.7.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.9km az=154.0. Felt [IV] at Sapporo. Felt at Hakodate and Otofuke. Also felt [IV] at Misawa, Honshu. Recorded [5L JMA] in southern Hokkaido. Recorded [3 JMA] in Aomori and Iwate; [2 JMA] in Akita, Miyagi and Yamagata; [1 JMA] in Fukushima, Gumma, Ibaraki and Tochigi, Honshu. A small tsunami was recorded at Hanasaki, Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s15.00000°,δ75.00000°,λ90.00000°. NP2: ϕ_s195.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm285.0000° ; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm105.0000° Moment Tensor Solution. s204 Moment tensor: Scale 10^{19}Nm; M_{rr}0.63 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-0.67 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.72 $M_{\phi r}$1.43 Best double couple: NP1:ϕ_s23.00000°,δ76.00000°,λ83.00000°. NP2:ϕ_s230.00000° ,δ16.00000°,λ116.00000°. Principal axes: T 1.5700,Plg58.0000°,Azm283.0000° ; N 0.4600,Plg6.0000°,Azm25.0000°; P -2.0300,Plg30.0000°,Azm119.0000° M_o1.90000×10^{19} Moment Tensor Solution. M_o2.00000×10^{19} Moment Tensor Solution. M_o1.70000×10^{19}
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=6.5km s-min=4.2km az=103.4. Fault plane solution: P-wave C122, D22 . Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000°,δ7.00000°,λ100.00000°. NP2: ϕ_s45.00000°,δ84.00000°,λ89.00000°. Principal axes: T Plg51.0000°,Azm314.0000° ; N Plg1.0000°,Azm45.0000°; P Plg39.0000°,Azm136.0000° M_o5.10000×10^{19}
SZGRF Hokkaido, Japan, region.
GCMT Event type se. Data Used: II IU IC G CN. LP body wave period 50 sec. Mantle waves from 104 sta. Surface waves: sta= 93, comp=192, per= 50. Moment Tensor Solution. s87,c165; s99,c202; Moment tensor: Scale 10^{19}Nm; M_{rr}0.79±.01 $M_{\theta\theta}$-0.33±.01; $M_{\phi\phi}$-0.47±.01; $M_{r\theta}$0.70±.02; $M_{\theta\phi}$-0.48 $M_{\phi r}$1.41±.02; Best double couple: NP1:ϕ_s235.00000°,δ15.00000° ,λ116.00000°. NP2:ϕ_s28.00000°,δ76.00000°,λ83.00000°. Principal axes: T 1.7600,Plg58.0000°,Azm289.0000°; N 0.0400,Plg7.0000°,Azm30.0000° ; P -1.8000,Plg31.0000°,Azm124.0000° M_o1.80000×10^{19}

(224) Hokkaido region

ISC	**IX**	**11 00 32 47.9–.75**	**41.78N–.02**	**143.98E–.03**	**32–5**	**5.4s,5.3b**	**628**	**1-157**
IDC	IX	11 00 32 44.7–4.2	41.75N	144.11E	16–25	5.0,5.0		**¶13394030**
ISCJB	IX	11 00 32 45.6–.80	41.72N–.02	143.99E–.03	29–5	5.4s,5.3b		
JMA	IX	11 00 32 46.0–.20	41.76N	144.22E	28–3	5.7,5.3b		
BJI	IX	11 00 32 47.3	41.79N	143.91E	36	5.6s,5.5b		
MOS	IX	11 00 32 47.8–1.1	41.79N	143.90E	43	5.6b,5.5b		
NEIC	IX	11 00 32 48.4–.72	41.75N	143.88E	35–6	5.3b,5.5b		
SZGRF	IX	11 00 32 56.1	43.19N	144.03E	33	5.5b,5.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.4km s-min=11.2km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=152.8.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=7.2km s-min=4.6km az=106.5.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.8km az=165.0. Recorded [2 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate.
SZGRF Hokkaido, Japan, region.

(224) Hokkaido region

ISC	**IX**	**11 01 08 10.1–.72**	**41.72N–.03**	**144.09E–.04**	**28–5**	**5.5s,4.9b**	**300**	**1-152**
IDC	IX	11 01 08 05.4–.53	41.67N	144.15E	0	4.7,4.7		**¶11265485**
ISCJB	IX	11 01 08 08.2–.77	41.66N–.03	144.13E–.04	29–5	5.5s,4.9b		
JMA	IX	11 01 08 08.7–.20	41.72N	144.25E	27–3	5.0,4.9b		
BJI	IX	11 01 08 08.9	41.76N	143.95E	27	5.5s,5.3		
NEIC	IX	11 01 08 10.1–1.3	41.68N	144.08E	30–8	5.0b,5.3		
MOS	IX	11 01 08 17.8–.83	42.96N	143.66E	45	5.2b,5.3		
SZGRF	IX	11 01 08 29.1	44.60N	142.61E	33	5.2b,5.3		

ISC Event type fe.
IDC Error ellipse: s-maj=14.7km s-min=12.4km az=134.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.5km az=36.7.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.8km az=145.0. Recorded [2 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate.
MOS Error ellipse: s-maj=12.2km s-min=6.3km az=112.7.
SZGRF Hokkaido, Japan, region.

(353) Southern Iran

ISC	**IX**	**11 02 16 09.6–.13**	**26.82N–.02**	**55.80E–.02**	**10**	**5.1b,5.0s**	**1348**	**1-134**
TEH	IX	11 02 16 04.6	26.58N	55.69E	10	5.1b,5.0s		**¶13394041**
BJI	IX	11 02 16 06.1	27.07N	55.23E	20	5.6b,5.2s		
ISCJB	IX	11 02 16 07.8–.13	26.85N–.02	55.79E–.02	10	5.1b,5.0s		
NEIC	IX	11 02 16 09.9	26.93N	55.64E	8	5.2b,4.9		
CSEM	IX	11 02 16 09.3–.09	26.84N	55.83E	10	5.2b,4.9		
MOS	IX	11 02 16 10.9–.82	26.89N	55.81E	33	5.2b,5.0s		
THR	IX	11 02 16 10.6–.30	26.97N	55.66E	8–4	4.8L,5.0s		
IDC	IX	11 02 16 10.7–2.4	26.88N	55.85E	19–14	4.7b,4.7		
SGS	IX	11 02 16 13.5	26.87N	55.65E	14	4.7b,4.7		
OMAN	IX	11 02 16 14.6–99	26.60N	56.05E	10–0	4.7b,4.7		
DJA	IX	11 02 16 18	26.94N	55.80E	74	5.2b,4.7		
SZGRF	IX	11 02 16 23.8	27.18N	53.88E	33	5.0b,4.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=12.9.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=152.0.
MOS Error ellipse: s-maj=5.8km s-min=3.0km az=126.3.
THR Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=12.2km s-min=10.2km az=167.0.
OMAN Error ellipse: s-maj=27.2km s-min=11.4km az=8.0.
SZGRF Southern Iran.

(307) Sichuan

ISC	**IX**	**11 17 39 01.6–.09**	**32.93N–.01**	**105.62E–.02**	**12**	**5.3b,4.7s**	**905**	**3-172**
BJI	IX	11 17 38 58.7	32.92N	105.67E	12	5.5s,5.5b		**¶11377899**
ISCJB	IX	11 17 38 59.8–.09	32.91N–.01	105.57E–.02	12	5.3b,4.7s		
IDC	IX	11 17 38 59.0–.34	32.88N	105.66E	0	5.1b,5.1		
NEIC	IX	11 17 39 01.1–.11	32.91N	105.63E	10	5.4b,5.1		
GCMT	IX	11 17 39 01.6–.20	32.98N	105.65E	12	5.1W,5.1		
MOS	IX	11 17 39 02.6–.94	32.98N	105.71E	33	5.5b,4.8s		
SZGRF	IX	11 17 39 05.4	32.73N	105.56E	33	5.6b,4.7s		
DJA	IX	11 17 39 07	32.94N	105.52E	51	5.5b,4.7s		
BGS	IX	11 17 39 33.4–1.8	35.79N	103.28E	10–0	5.3b,4.7s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.3km s-min=1.9km az=149.5.
IDC Error ellipse: s-maj=11.2km s-min=7.5km az=41.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.5km az=214.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s35,c42; s83,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}5.37±.13 $M_{\theta\theta}$0.36±.11; $M_{\phi\phi}$-5.73±.11; $M_{r\theta}$0.47±.42; $M_{\theta\phi}$3.13±.10; $M_{\phi r}$-0.79±.34; Best double couple: NP1:ϕ_s339.00000°,δ41.00000°,λ93.00000°. NP2:ϕ_s155.00000°,δ49.00000°,λ88.00000°. Principal axes: T 5.4400,Plg85.0000° ,Azm43.0000°; N 1.6800,Plg2.0000°,Azm157.0000°; P -7.1200,Plg4.0000°,Azm247.0000° M_o6.30000×10^{16}
MOS Error ellipse: s-maj=6.1km s-min=3.5km az=117.4.
SZGRF Sichuan, China.
BGS Error ellipse: s-maj=794.3km s-min=999.9km az=-1.0.

(224) Hokkaido region

ISC	**IX**	**11 22 34 46.1–.08**	**42.43N–.02**	**144.55E–.02**	**43**	**5.1b,4.6s**	**1039**	**1-154**
NIED	IX	11 22 34 00	42.40N	144.80E	29	4.9W,4.6s		**¶13394136**
DJA	IX	11 22 34 41	42.46N	144.85E	10	5.5b,4.6s		
IDC	IX	11 22 34 43.5–3.5	42.42N	144.64E	26–23	4.9,4.9		
SKHL	IX	11 22 34 43.8–.80	42.30N	144.60E	40–9	5.7s,5.6		
MOS	IX	11 22 34 43.9–.90	42.40N	144.56E	41	5.3b,4.6s		
ISCJB	IX	11 22 34 44.0–.08	42.39N–.02	144.56E–.02	41	5.1b,4.6s		
JMA	IX	11 22 34 44.0	42.39N	144.74E	42–1	5.2,4.6s		
BJI	IX	11 22 34 44.1	42.45N	144.53E	42	5.2b,5.1b		
NEIC	IX	11 22 34 45.7–.31	42.42N	144.55E	41–2	5.1b,4.9W		
GCMT	IX	11 22 34 46.8–.30	42.43N	144.62E	33–0	5.0W,4.9W		
SZGRF	IX	11 22 35 06.3	45.40N	141.27E	42	5.1b,4.9W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s264.00000°,δ62.00000°,λ-76.00000°. NP2:ϕ_s55.00000°,δ31.00000°,λ-115.00000°. M_o2.87000×10^{16}
IDC Error ellipse: s-maj=12.8km s-min=10.6km az=98.0.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=4.1km az=101.5. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.5km az=152.5.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=154.0. Recorded [3 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori. Moment Tensor Solution. M_o2.90000×10^{16}
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s41,c59; s75,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.81±.19 $M_{\theta\theta}$3.45±.11; $M_{\phi\phi}$0.36±.11; $M_{r\theta}$1.87±.12; $M_{\theta\phi}$0.88±.08; $M_{\phi r}$-0.92±.11; Best double couple: NP1:ϕ_s61.00000°,δ35.00000°,λ-116.00000°. NP2:ϕ_s272.00000°,δ59.00000°,λ-72.00000°. Principal axes: T 4.0200,Plg12.0000° ,Azm350.0000°; N 0.4900,Plg15.0000°,Azm83.0000°; P -4.5100,Plg71.0000°,Azm222.0000° M_o4.30000×10^{16}
SZGRF Hokkaido, Japan, region.

(249) Luzon

ISC	**IX**	**12 16 33 57.3–.43**	**13.11N–.03**	**124.16E–.04**	**41–4**	**4.4b,3.9s**	**147**	**1-168**
BJI	IX	12 16 33 50.4	12.45N	124.11E	31	5.0b,4.6b		**¶11265537**
MAN	IX	12 16 33 54	13.13N	124.07E	20	5.9b,4.9s		
MOS	IX	12 16 33 54.5–.99	13.06N	124.11E	33	4.9b,4.9s		
ISCJB	IX	12 16 33 55.7–.46	13.13N–.03	124.16E–.04	43–4	4.4b,3.9s		
NEIC	IX	12 16 33 56.4–.20	13.02N	124.10E	35	4.6b,3.9s		
IDC	IX	12 16 33 57.6–2.4	13.00N	124.09E	44–21	4.1,4.1		
DJA	IX	12 16 34 10	13.26N	123.79E	130	4.6b,4.1		

ISC Event type fe.
MAN Event type fe. INTENSITY III - LEGASPI CITY; INTENSITY II - IROSIN SORSOGON; LIGNON HILL LEGASPI CITY.
MOS Error ellipse: s-maj=13.6km s-min=7.7km az=120.1.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.9km az=152.9.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.6km az=59.0. Felt [III PIVS] at Legaspi and [II PIVS] at Irosin, Luzon.
IDC Error ellipse: s-maj=18.6km s-min=9.6km az=71.0.

(4) Komandorsky Islands region

ISC	**IX**	**12 23 07 50.4–.62**	**56.31N–.02**	**164.01E–.02**	**9–3**	**5.7s,5.3b**	**1254**	**1-151**
ISCJB	IX	12 23 07 48.4–.62	56.26N–.02	164.06E–.02	9–3	5.7s,5.3b		**¶13394213**
MOS	IX	12 23 07 48.0–.97	56.23N	164.11E	10	5.7s,5.5b		
IDC	IX	12 23 07 48.8–.39	56.40N	163.93E	0	5.6,5.6s		
BJI	IX	12 23 07 49.8	56.75N	163.34E	5	6.2s,5.8		
KRSC	IX	12 23 07 50.8–.80	56.07N	164.11E	9–9	5.5L,5.8		
NEIC	IX	12 23 07 50.6–.12	56.31N	164.07E	12	5.9W,5.7s		
GCMT	IX	12 23 07 56.1–.10	56.27N	164.31E	15–0	5.9W,5.7s		
DJA	IX	12 23 07 58	57.22N	162.22E	10	5.4b,5.7s		
SZGRF	IX	12 23 07 59.7	57.34N	165.96E	33	5.9s,5.3b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=1.7km az=167.1.
MOS Error ellipse: s-maj=6.2km s-min=4.0km az=85.4.
IDC Error ellipse: s-maj=15.3km s-min=8.8km az=152.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.1km az=171.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s230.00000°,δ75.00000° ,λ90.00000°. NP2:ϕ_s50.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000° ,Azm140.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm320.0000° Moment Tensor Solution. s132 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$1.21 $M_{r\theta}$-0.64 $M_{\theta\phi}$-3.96 $M_{\phi r}$-2.38 Best double couple: NP1:ϕ_s99.00000°,δ59.00000°,λ-177.00000°. NP2:ϕ_s8.00000° ,δ88.00000°,λ-31.00000°. Principal axes: T 4.7000,Plg19.0000°,Azm57.0000° ; N 0.2200,Plg59.0000°,Azm184.0000°; P -4.9200,Plg22.0000°,Azm319.0000° M_o4.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=121, comp=285, per= 50. Moment Tensor Solution. s109,c234; s87,c125; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01±.07 $M_{\theta\theta}$-3.00±.07; $M_{\phi\phi}$4.01±.07; $M_{r\theta}$0.74±.22; $M_{\theta\phi}$-7.85±.07; $M_{\phi r}$-1.08±.21; Best double couple: NP1:ϕ_s192.00000°,δ85.00000°,λ5.00000°. NP2:ϕ_s102.00000°,δ85.00000°,λ175.00000°. Principal axes: T 9.2700,Plg7.0000°,Azm57.0000°; N -1.1800,Plg83.0000°,Azm239.0000° ; P -8.0900,Plg0.0000°,Azm147.0000° M_o8.70000×10^{17}
SZGRF Bering Sea.

(4) Komandorsky Islands region

ISC	**IX**	**12 23 49 54.4–.89**	**56.23N–.02**	**164.26E–.02**	**16–5**	**5.1s,5.0b**	**725**	**1-153**
BJI	IX	12 23 49 49.6	56.20N	164.30E	10	5.5s,5.5b		**¶13394216**
IDC	IX	12 23 49 51.6–.44	56.34N	164.26E	0	5.0,4.9s		
ISCJB	IX	12 23 49 52.8–.69	56.19N–.03	164.32E–.02	19–5	5.1s,5.0b		
NEIC	IX	12 23 49 53.0–.14	56.25N	164.30E	10	5.1b,5.0b		
MOS	IX	12 23 49 54.0–1.0	56.15N	164.33E	32	5.1s,5.0b		
KRSC	IX	12 23 49 54.5–.30	56.05N	164.29E	40–40	5.4L,5.0b		
GCMT	IX	12 23 49 56.2–.10	56.26N	164.52E	12–0	5.4W,5.0b		
SZGRF	IX	12 23 50 06.9	57.82N	164.76E	33	5.2b,5.0b		
DJA	IX	12 23 50 20	56.63N	161.43E	146	5.1b,5.0b		

ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=9.7km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=1.8km az=169.2.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.6km az=166.0.
MOS Error ellipse: s-maj=7.1km s-min=4.6km az=90.1.
KRSC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 107 sta. Moment Tensor Solution. s65,c105; s99,c195; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19±.03 $M_{\theta\theta}$-1.07±.03; $M_{\phi\phi}$1.26±.03; $M_{r\theta}$0.23±.06; $M_{\theta\phi}$-0.74±.02; $M_{\phi r}$0.21±.06; Best double couple: NP1: ϕ_s299.00000°,δ77.00000°,λ-174.00000°. NP2:ϕ_s208.00000°,δ84.00000°,λ-13.00000°. Principal axes: T 1.4900,Plg5.0000°,Azm254.0000°; N -0.1300,Plg76.0000°,Azm3.0000° ; P -1.3500,Plg14.0000°,Azm163.0000° M_o1.40000×10^{17}
SZGRF Bering Sea.

(188) Loyalty Islands

ISC	**IX**	**13 07 32 15.3–.82**	**21.30S–.04**	**167.87E–.03**	**42–7**	**5.3b,4.5s**	**330**	**1-164**
NOU	IX	13 07 32 08.6–1.4	21.06S	168.07E	10–0	4.4L,3.0		**¶11277495**
IDC	IX	13 07 32 08.6–.40	21.26S	168.01E	0	5.2,5.1		
SZGRF	IX	13 07 32 12.1	21.95S	168.61E	33	5.2,5.1		
ISCJB	IX	13 07 32 13.9–.90	21.30S–.04	167.83E–.03	44–8	5.3b,4.5s		
MOS	IX	13 07 32 13.1–1.2	21.22S	167.88E	33	5.5b,4.5s		
NEIC	IX	13 07 32 14.3–.14	21.23S	167.93E	35	5.3b,4.5s		
GCMT	IX	13 07 32 15.3–.20	21.21S	167.89E	15–0	5.1W,4.5s		
BJI	IX	13 07 32 17.7	20.53S	167.91E	54	5.2s,5.2b		
DJA	IX	13 07 32 23	21.48S	167.67E	104	5.4b,5.2b		

ISC Event type se.
NOU Error ellipse: s-maj=25.8km s-min=24.2km az=-1.0.
IDC Error ellipse: s-maj=14.7km s-min=13.2km az=109.0.
SZGRF Loyalty Islands.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.8km az=5.7.
MOS Error ellipse: s-maj=9.6km s-min=8.3km az=124.4.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.4km az=168.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s57,c81; s91,c146; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.73±.17 $M_{\theta\theta}$0.70±.11; $M_{\phi\phi}$5.03±.13; $M_{r\theta}$1.09±.38; $M_{\theta\phi}$-1.71±.08; $M_{\phi r}$-0.75±.33; Best double couple: NP1:ϕ_s168.00000°,δ40.00000°,λ-79.00000°.

NP2:ϕ_s333.00000°,δ51.00000°,λ-99.00000°. Principal axes: T 5.7200,Plg5.0000° ,Azm70.0000°; N 0.2000,Plg7.0000°,Azm339.0000°; P -5.9300,Plg81.0000°,Azm196.0000° $M_0$5.80000×10^{16}

(684) Southern East Pacific Rise

ISC	**IX**	**13 15 45 27.1–.33**	**48.77S–.07**	**113.1W–.10**	**10**	**4.7s,4.7b**	**149**	**22-172**
SZGRF	IX	13 15 45 24.7	50.31S	114.68W	33	4.7s,4.7b		**¶13394275**
IDC	IX	13 15 45 24.7–.52	48.65S	113.41W	0	4.6s,4.6		
ISCJB	IX	13 15 45 25.5–.32	48.79S–.07	113.1W–.10	10	4.7s,4.7b		
MOS	IX	13 15 45 26.6–1.2	48.47S	113.08W	10	5.0b,4.7b		
NEIC	IX	13 15 45 26.1–.25	48.71S	113.20W	10	4.9s,4.8b		
BJI	IX	13 15 45 28.1	48.70S	113.20W	10	5.5s,5.3b		
GCMT	IX	13 15 45 30.0–.20	48.83S	113.44W	21–1	5.2W,5.3b		

ISC Event type se.
SZGRF Southern East Pacific Rise.
IDC Error ellipse: s-maj=21.7km s-min=16.7km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=9.3km az=15.2.
MOS Error ellipse: s-maj=25.1km s-min=15.3km az=77.3.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.7km az=120.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s57,c78; s88,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}0.05±.20 $M_{\theta\theta}$-6.59±.22; $M_{\phi\phi}$6.54±.19; $M_{r\theta}$-3.04±.42; $M_{\theta\phi}$-3.67±.17; $M_{\phi r}$-4.28±.47; Best double couple: NP1:ϕ_s121.00000°,δ55.00000° ,λ-179.00000°. NP2:ϕ_s30.00000°,δ89.00000°,λ-35.00000°. Principal axes: T 8.9400,Plg23.0000°,Azm81.0000°; N 0.4500,Plg55.0000°,Azm209.0000° ; P -9.3900,Plg25.0000°,Azm340.0000° $M_0$9.20000×10^{16}

(238) Ryukyu Islands

ISC	**IX**	**13 20 21 36.4–.28**	**29.04N–.02**	**130.15E–.03**	**50–2**	**5.0s,4.9b**	**375**	**1-167**
NIED	IX	13 20 21 00	29.00N	129.90E	38	5.3W,4.9b		**¶13394289**
BJI	IX	13 20 21 29.6	28.74N	130.58E	45	5.2b,5.0s		
MOS	IX	13 20 21 32.8–1.1	29.10N	130.08E	33	5.1b,4.9s		
IDC	IX	13 20 21 32.3–3.3	29.07N	130.09E	19–20	4.8,4.8s		
DJA	IX	13 20 21 33	29.10N	130.30E	20	5.1b,4.8s		
JMA	IX	13 20 21 33.4–.30	29.02N	129.86E	82–4	5.1,4.8s		
SZGRF	IX	13 20 21 33.3	28.97N	130.82E	33	5.5s,5.3b		
ISCJB	IX	13 20 21 34.6–.32	29.02N–.02	130.18E–.03	49–2	5.0s,4.9b		
NEIC	IX	13 20 21 35.3–.56	29.08N	130.08E	40–5	5.3W,4.9b		
GCMT	IX	13 20 21 39.2–.10	28.90N	130.21E	38–0	5.3W,4.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ66.00000°,λ94.00000°. NP2:ϕ_s228.00000°,δ24.00000°,λ81.00000°. $M_0$1.03000×10^{17}
MOS Error ellipse: s-maj=8.5km s-min=5.6km az=108.8.
IDC Error ellipse: s-maj=15.8km s-min=12.8km az=86.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
SZGRF Ryukyu Islands, Japan.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=27.8.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=142.0. Recorded [3 JMA] on Amami-oshima; [2 JMA] on Akuseki-jima, Kikaiga-shima and Toku-no-shima; [1 JMA] on Nakano-shima. Moment Tensor Solution. $M_0$1.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s81,c148; s92,c168; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s212.00000°,δ34.00000°,λ74.00000°. NP2:ϕ_s50.00000° ,δ57.00000°,λ100.00000°. Principal axes: T 1.0700,Plg75.0000°,Azm350.0000° ; N 0.0700,Plg9.0000°,Azm225.0000°; P -1.1400,Plg12.0000°,Azm133.0000° $M_0$1.10000×10^{17}

(290) Timor Sea

ISC	**IX**	**14 00 00 09.9–.15**	**8.84S–.02**	**126.83E–.02**	**33**	**5.7b,5.5s**	**513**	**5-170**
BJI	IX	14 00 00 01.1	9.39S	127.41E	28	5.7b,5.7b		**¶13394305**
ISCJB	IX	14 00 00 07.6–.15	8.84S–.02	126.84E–.02	31	5.7b,5.5s		
MOS	IX	14 00 00 07.2–.95	8.27S	126.68E	10	5.8b,5.4s		
IDC	IX	14 00 00 07.3–1.6	8.72S	126.80E	12–9	5.5b,5.5		
NEIC	IX	14 00 00 09.1–.12	8.73S	126.86E	22	5.7b,5.5s		
TEH	IX	14 00 00 10.0	8.77S	126.92E	35	5.7b,5.5s		
DJA	IX	14 00 00 11	9.12S	126.88E	37	5.7W,5.5s		
GCMT	IX	14 00 00 12.4–.10	9.24S	127.18E	23–0	5.6W,5.5s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.8km az=11.1.
MOS Error ellipse: s-maj=10.4km s-min=6.5km az=103.0.
IDC Error ellipse: s-maj=14.4km s-min=9.1km az=60.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.8km az=49.0. Felt at Dili. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 96, comp=199, per= 50. Moment Tensor Solution. s96,c192; s43,c49; Moment tensor: Scale 10^{17}Nm; M_{rr}2.55±.05 $M_{\theta\theta}$-2.64±.04; $M_{\phi\phi}$0.09±.04; $M_{r\theta}$1.84±.07; $M_{\theta\phi}$-1.26±.03; $M_{\phi r}$1.55±.08; Best double couple: NP1:ϕ_s265.00000°,δ27.00000°,λ117.00000°. NP2:ϕ_s55.00000°,δ66.00000°,λ77.00000°. Principal axes: T 3.5300,Plg67.0000°,Azm301.0000°; N 0.4100,Plg12.0000°,Azm61.0000° ; P -3.9500,Plg20.0000°,Azm155.0000° $M_0$3.70000×10^{17}

(270) Ceram Sea

ISC	**IX**	**16 01 12 53.5–.42**	**2.36S–.02**	**128.08E–.03**	**43–4**	**5.2b,4.6s**	**333**	**1-162**
BJI	IX	16 01 12 45.5	2.97S	128.37E	35	5.3b,5.0b		**¶11277585**
IDC	IX	16 01 12 47.3–.40	2.44S	127.98E	0	5.0L,4.8b		
MOS	IX	16 01 12 51.0–1.4	2.37S	127.86E	33	5.3b,4.5s		
ISCJB	IX	16 01 12 51.1–.49	2.35S–.02	128.07E–.03	38–4	5.2b,4.6s		
NEIC	IX	16 01 12 52.8–.20	2.45S	127.93E	35	5.4b,4.6s		
GCMT	IX	16 01 12 52.5–.10	2.27S	127.90E	14–0	5.3W,4.6s		
DJA	IX	16 01 12 53.5–.20	2S–2.0	128E–2.0	25–0	6.1b,5.8		
TEH	IX	16 01 12 54.0	2.36S	128.03E	43	6.1b,5.8		

ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=8.5km az=75.0.
MOS Error ellipse: s-maj=11.7km s-min=6.3km az=110.2.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.7km az=165.9.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.9km az=65.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s66,c109; s99,c200; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.02 $M_{\theta\theta}$1.08±.02; $M_{\phi\phi}$-0.67±.02; $M_{r\theta}$0.13±.03; $M_{\theta\phi}$0.32±.02; $M_{\phi r}$-0.27±.04; Best double couple: NP1:ϕ_s39.00000° ,δ66.00000°,λ-159.00000°. NP2:ϕ_s300.00000°,δ71.00000°,λ-25.00000°. Principal axes: T 1.1400,Plg3.0000°,Azm350.0000°; N -0.2400,Plg59.0000°,Azm85.0000° ; P -0.8900,Plg31.0000°,Azm259.0000° $M_0$1.00000×10^{17}

(406) Central Mid-Atlantic Ridge

ISC	**IX**	**16 07 28 25.1–.19**	**0.86N–.04**	**28.96W–.02**	**10**	**5.2s,5.1b**	**849**	**10-171**
IDC	IX	16 07 28 23.2–.38	1.11N	29.04W	0	5.6L,5.2s		**¶11277594**
ISCJB	IX	16 07 28 23.5–.20	0.91N–.04	28.90W–.02	10	5.2s,5.1b		
MOS	IX	16 07 28 23.3–.77	0.98N	28.98W	10	5.3b,5.1s		
NEIC	IX	16 07 28 25.0–.18	0.90N	29.00W	10	5.8W,5.2b		
BJI	IX	16 07 28 26.0	0.90N	29.00W	10	5.6s,5.5b		
GCMT	IX	16 07 28 30.9–.10	0.95N	28.80W	21–0	5.8W,5.5b		
SZGRF	IX	16 07 28 33.0	1.03N	27.40W	33	5.2b,5.0s		

ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=9.6km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=2.5km az=158.6.
MOS Error ellipse: s-maj=7.5km s-min=4.4km az=59.2.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.9km az=161.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=238, per= 50. Moment Tensor Solution. s102,c188; s74,c87; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22±.05 $M_{\theta\theta}$1.19±.05; $M_{\phi\phi}$-0.97±.06; $M_{r\theta}$-0.42±.10; $M_{\theta\phi}$-5.68±.05; $M_{\phi r}$-0.40±.11; Best double couple: NP1:ϕ_s354.00000°,δ85.00000°,λ-4.00000°. NP2:ϕ_s85.00000°,δ86.00000°,λ-175.00000°. Principal axes: T 5.8900,Plg1.0000°,Azm220.0000°; N -0.1600,Plg84.0000°,Azm124.0000° ; P -5.7300,Plg6.0000°,Azm310.0000° $M_0$5.80000×10^{17}
SZGRF Central Mid-Atlantic Ridge.

(169) Samoa Islands region

ISC	**IX**	**16 09 46 56.4–2.9**	**16.68S–.05**	**172.70W–.03**	**22–20**	**5.1b,4.9s**	**654**	**3-174**
IDC	IX	16 09 46 52.0–.41	16.72S	172.73W	0	4.9s,4.9		**¶11277601**
ISCJB	IX	16 09 46 52.0–2.3	16.64S–.04	172.68W–.03	4–14	5.1b,4.9s		
NEIC	IX	16 09 46 54.2–.14	16.64S	172.74W	10	5.3b,4.9s		
BJI	IX	16 09 46 56.2	16.54S	172.51W	35	5.5b,5.3b		
SZGRF	IX	16 09 46 57.4	17.01S	172.80W	33	5.5b,5.3b		
GCMT	IX	16 09 46 59.0–.20	16.67S	172.31W	16	5.3W,5.3b		
MOS	IX	16 09 47 00.2–1.3	15.74S	172.65W	33	5.4b,5.0s		
DJA	IX	16 09 47 02	17.27S	173.07W	30	5.4b,5.0s		

ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=12.0km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.4km az=150.3.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.9km az=144.0.
SZGRF Tonga Islands region.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c92; s86,c139; Moment tensor: Scale 10^{17}Nm; M_{rr}0.44±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.47±.01; $M_{r\theta}$0.32±.04; $M_{\theta\phi}$-0.04±.01; $M_{\phi r}$1.08±.03; Best double couple: NP1:ϕ_s173.00000°,δ12.00000°,λ67.00000°. NP2:ϕ_s16.00000°,δ79.00000°,λ95.00000°. Principal axes: T 1.2100,Plg56.0000° ,Azm292.0000°; N 0.0100,Plg5.0000°,Azm195.0000°; P -1.2200,Plg34.0000°,Azm102.0000° $M_0$1.20000×10^{17}
MOS Error ellipse: s-maj=13.3km s-min=7.6km az=63.9.

(290) Timor Sea

ISC	**IX**	**16 11 15 40.8–.14**	**8.85S–.02**	**126.88E–.02**	**39**	**5.8b,5.4s**	**561**	**5-172**
BJI	IX	16 11 15 32.2	9.44S	127.40E	35	5.8b,5.8b		**¶13394444**
IDC	IX	16 11 15 35.2–.31	8.72S	126.91E	0	5.6,5.6b		
ISCJB	IX	16 11 15 38.7–.14	8.86S–.02	126.87E–.02	37	5.8b,5.4s		
MOS	IX	16 11 15 41.5–1.0	8.13S	126.72E	33	6.0b,5.3s		
NEIC	IX	16 11 15 41.3–.10	8.78S	126.84E	35	5.9b,5.7W		
DJA	IX	16 11 15 42.7–.20	9S–2.0	127E–1.0	54–3	6.2,6.1b		
TEH	IX	16 11 15 42.0	8.83S	126.83E	44	6.2,6.1b		
GCMT	IX	16 11 15 42.2–.10	9.07S	127.05E	18–0	5.7W,6.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=9.0km az=46.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=21.4.
MOS Error ellipse: s-maj=9.9km s-min=6.1km az=109.2.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=40.0. Felt at Dili.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=245, per= 50. Moment Tensor Solution. s97,c198; s62,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}3.63±.05 $M_{\theta\theta}$-3.45±.04; $M_{\phi\phi}$-0.19±.04; $M_{r\theta}$2.49±.10; $M_{\theta\phi}$-1.45±.03; $M_{\phi r}$1.04±.10; Best double couple: NP1:ϕ_s251.00000°,δ27.00000°,λ92.00000°. NP2:ϕ_s68.00000°,δ63.00000°,λ89.00000°. Principal axes: T 4.4900,Plg72.0000°,Azm335.0000°; N 0.3600,Plg1.0000°,Azm69.0000° ; P -4.8600,Plg18.0000°,Azm159.0000° $M_0$4.70000×10^{17}

(694) Central East Pacific Rise

ISC	**IX**	**18 01 41 01.9–.39**	**4.75S–.05**	**105.99W–.04**	**10**	**5.7s,5.4b**	**672**	**16-168**
ISCJB	IX	18 01 40 59.6–.41	4.80S–.05	105.98W–.04	10	5.7s,5.4b		**¶12952091**
IDC	IX	18 01 41 00.6–.62	4.56S	106.28W	0	5.7s,5.7		
MOS	IX	18 01 41 02.3–1.0	4.38S	105.89W	10	5.7s,5.5b		
NEIC	IX	18 01 41 03.0–.27	4.55S	106.00W	11	6.2,6.0W		
BJI	IX	18 01 41 04.8	4.60S	106.00W	10	6.0s,6.0		
GCMT	IX	18 01 41 06.9–.10	4.53S	105.98W	16–0	6.0W,6.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.2km az=12.6.
IDC Error ellipse: s-maj=20.1km s-min=13.0km az=51.0.
MOS Error ellipse: s-maj=12.4km s-min=5.3km az=92.1.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=46.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}1.71 $M_{\theta\theta}$1.93 $M_{\phi\phi}$-3.64 $M_{r\theta}$0.72 $M_{\theta\phi}$7.38 $M_{\phi r}$2.36 Best double couple: NP1:ϕ_s9.00000°,δ83.00000°,λ161.00000°. NP2: ϕ_s101.00000°,δ71.00000°,λ7.00000°. Principal axes: T 7.6800,Plg18.0000°,Azm323.0000° ; N 1.2900,Plg69.0000°,Azm169.0000°; P -8.9700,Plg8.0000°,Azm56.0000° $M_0$8.40000×10^{17} Moment Tensor Solution. $M_0$1.60000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=115, comp=260, per= 50. Moment Tensor Solution. s104,c228; s89,c144; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.11±.01 $M_{\theta\theta}$0.49±.01; $M_{\phi\phi}$-0.38±.01; $M_{r\theta}$0.15±.03; $M_{\theta\phi}$1.22±.01; $M_{\phi r}$0.24±.03; Best double couple: NP1:ϕ_s100.00000°,δ79.00000°,λ3.00000°. NP2:ϕ_s10.00000°,δ87.00000°,λ169.00000°. Principal axes: T 1.4000,Plg10.0000°,Azm324.0000°; N -0.1400,Plg79.0000°,Azm174.0000° ; P -1.2500,Plg6.0000°,Azm55.0000° $M_0$1.30000×10^{18}

(174) Tonga Islands region

ISC	**IX**	**19 18 34 20.6–2.4**	**23.88S–.06**	**176.02W–.04**	**21–16**	**5.1b,4.6s**	**338**	**6-169**
IDC	IX	19 18 34 17.1–.50	23.87S	176.20W	0	5.0,5.0		**¶11280409**
ISCJB	IX	19 18 34 18.0–2.3	23.90S–.06	176.04W–.04	15–15	5.1b,4.6s		
NEIC	IX	19 18 34 17.9–3.0	23.89S	175.93W	8–18	5.2b,4.6s		
BJI	IX	19 18 34 20.8	23.90S	175.90W	40	5.5b,5.3b		
SZGRF	IX	19 18 34 21.4	24.10S	175.50W	33	5.5b,5.3b		
MOS	IX	19 18 34 21.7–1.3	23.63S	176.01W	33	5.4b,5.3b		
GCMT	IX	19 18 34 22.5–.20	23.96S	175.33W	22–0	5.2W,5.3b		

ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=12.8km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.6km az=161.1.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.6km az=146.0.
SZGRF South of Tonga Islands.
MOS Error ellipse: s-maj=12.3km s-min=10.7km az=91.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s58,c86; s78,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}6.02±.21 $M_{\theta\theta}$-0.74±.14; $M_{\phi\phi}$-5.28±.14; $M_{r\theta}$1.65±.25; $M_{\theta\phi}$-1.93±.10; $M_{\phi r}$3.78±.20; Best double couple: NP1:ϕ_s198.00000°,δ28.00000°,λ87.00000°. NP2:ϕ_s22.00000°,δ62.00000°,λ92.00000°. Principal axes: T 7.3000,Plg73.0000° ,Azm296.0000°; N -0.0400,Plg2.0000°,Azm201.0000°; P -7.2700,Plg17.0000° ,Azm111.0000° $M_0$7.30000×10^{16}

(408) Ascension Island region

ISC	**IX**	**19 21 17 35.3–.38**	**7.11S–.06**	**12.98W–.07**	**10**	**4.7b,4.4s**	**154**	**15-131**
ISCJB	IX	19 21 17 33.2–.38	7.09S–.06	12.99W–.07	10	4.7b,4.4s		**¶11280415**
IDC	IX	19 21 17 33.3–.62	7.08S	12.98W	0	4.4s,4.4		
BJI	IX	19 21 17 34.1	6.84S	13.22W	13	5.5b,4.9s		
NEIC	IX	19 21 17 35.2–.36	7.11S	13.00W	10	4.8b,4.5s		
GCMT	IX	19 21 17 38.3–.20	7.08S	13.05W	12	5.1W,4.5s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.8km az=17.5.
IDC Error ellipse: s-maj=19.1km s-min=14.8km az=128.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.2km az=115.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s37,c52; s92,c160; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.29±.10 $M_{\theta\theta}$0.20±.10; $M_{\phi\phi}$5.10±.09; $M_{r\theta}$0.63±.33; $M_{\theta\phi}$-1.30±.08; $M_{\phi r}$0.09±.28; Best double couple: NP1:ϕ_s173.00000°,δ45.00000°,λ-80.00000°. NP2:ϕ_s339.00000°,δ46.00000°,λ-100.00000°. Principal axes: T 5.4200,Plg0.0000° ,Azm76.0000°; N -0.0500,Plg7.0000°,Azm346.0000°; P -5.3700,Plg83.0000°,Azm169.0000° $M_0$5.40000×10^{16}

(183) Santa Cruz Islands region

ISC	**IX**	**19 22 49 02.2–1.2**	**11.26S–.03**	**164.46E–.02**	**21–8**	**5.3b,5.1s**	**569**	**5-171**
DJA	IX	19 22 48 46	11.37S	166.27E	14	5.3b,5.1s		**¶12952096**
NOU	IX	19 22 48 54.6–1.1	10.63S	164.24E	30–0	4.4,3.7L		
ISCJB	IX	19 22 48 57.8–1.2	11.22S–.04	164.41E–.02	3–7	5.3b,5.1s		
IDC	IX	19 22 48 58.5–.39	11.22S	164.53E	0	5.9L,5.2		
BJI	IX	19 22 49 02.1	10.85S	164.63E	25	5.4b,5.3s		
MOS	IX	19 22 49 03.4–.90	11.02S	164.47E	34	5.6b,5.0s		
GCMT	IX	19 22 49 04.6–.10	11.23S	164.48E	12	5.5W,5.0s		
NEIC	IX	19 22 49 04.3–.74	11.19S	164.48E	37–6	5.6W,5.4b		

ISC Event type se.
NOU Error ellipse: s-maj=35.6km s-min=164.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=4.9.
IDC Error ellipse: s-maj=15.0km s-min=14.2km az=47.0.
MOS Error ellipse: s-maj=7.9km s-min=7.2km az=116.5.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta=110, comp=227, per= 50. Moment Tensor Solution. s86,c169; s56,c59; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.46±.02 $M_{\theta\theta}$0.45±.02; $M_{\phi\phi}$2.02±.02; $M_{r\theta}$-0.49±.07; $M_{\theta\phi}$0.75±.02; $M_{\phi r}$0.51±.07; Best double couple: NP1:ϕ_s34.00000°,δ43.00000°,λ-71.00000°. NP2:ϕ_s189.00000°,δ50.00000°,λ-107.00000°. Principal axes: T 2.3400,Plg4.0000°,Azm291.0000°; N 0.2900,Plg13.0000°,Azm200.0000° ; P -2.6300,Plg77.0000°,Azm36.0000° $M_0$2.50000×10^{17}
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.3km az=175.0.

(69) Near coast of Chiapas

ISC	**IX**	**20 04 52 28.7–.16**	**14.57N–.03**	**92.23W–.02**	**60**	**5.0b,4.7s**	**960**	**0-160**
MOS	IX	20 04 52 22.0–1.1	14.48N	91.99W	33	5.2b,4.7s		**¶13394759**
BJI	IX	20 04 52 24.0	14.40N	92.10W	48	5.6s,5.4		
NEIC	IX	20 04 52 26.0–.20	14.39N	92.10W	58	5.1b,5.0		
ISCJB	IX	20 04 52 26.2–.16	14.52N–.03	92.23W–.02	58	5.0b,4.7s		
IDC	IX	20 04 52 26.8–.47	14.64N	91.87W	57–3	4.6,4.5		
MEX	IX	20 04 52 27.1–.52	14.28N	92.62W	13–12	5.0,4.5		
GCMT	IX	20 04 52 27.0–.20	14.39N	92.64W	47–1	5.2W,4.5		
BGS	IX	20 04 52 29.3–2.3	16.54N	93.87W	67–0	4.9b,4.5		
CASC	IX	20 04 52 29.5–2.0	14.29N	92.26W	57–35	5.1b,4.6L		

ISC Event type fe.
MOS Error ellipse: s-maj=8.2km s-min=4.4km az=102.3.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.2km az=32.0. Felt at Antigua Guatemala, Coatepeque, Panajachel and Quetzaltenango.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=1.6km az=31.8.

IDC Error ellipse: s-maj=17.5km s-min=9.5km az=60.0.
MEX Error ellipse: s-maj=10.2km s-min=3.5km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s70,c112; s65,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.33±.16 $M_{\theta\theta}$2.27±.13; $M_{\phi\phi}$3.05±.15; $M_{r\theta}$1.54±.12; $M_{\theta\phi}$-3.44±.11; $M_{\theta r}$-3.31±.14; Best double couple: NP1:ϕ_s127.00000°,δ30.00000° ,λ-108.00000°. NP2:ϕ_s328.00000°,δ61.00000°,λ-80.00000°. Principal axes: T 7.1200,Plg16.0000°,Azm50.0000°; N -0.6300,Plg9.0000°,Azm143.0000° ; P -6.4900,Plg72.0000°,Azm262.0000° M_o6.80000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CASC Error ellipse: s-maj=14.4km s-min=10.0km az=-1.0.

(192) New Britain region

ISC	**IX**	**22 08 17 23.9–.89**	**6.09S–.04**	**151.04E–.04**	**41–8**	**5.1b,4.4s**	**221**	**5-156**
BJI	IX	22 08 17 15.8	6.50S	151.82E	35	5.2b,5.0s		**¶13394948**
IDC	IX	22 08 17 17.5–.49	6.02S	150.99E	0	5.0,5.0		
ISCJB	IX	22 08 17 17.0–1.3	6.00S–.04	151.02E–.04	3–8	5.1b,4.4s		
MOS	IX	22 08 17 22.9–1.2	5.87S	150.77E	33	5.2b,4.4s		
NEIC	IX	22 08 17 22.8–1.7	5.99S	150.96E	30–12	5.1b,4.4s		
DJA	IX	22 08 17 24	6.30S	151.35E	63	5.6b,4.4s		
GCMT	IX	22 08 17 24.3–.30	6.33S	151.16E	20–1	5.0W,4.4s		

ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=10.1km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=44.8.
MOS Error ellipse: s-maj=11.7km s-min=7.4km az=84.9.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=5.2km az=134.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s26,c30; s75,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}1.77±.22 $M_{\theta\theta}$2.85±.14; $M_{\phi\phi}$-4.62±.17; $M_{r\theta}$1.32±.31; $M_{\theta\phi}$1.42±.13; $M_{\theta r}$0.25±.26; Best double couple: NP1:ϕ_s129.00000°,δ68.00000°,λ24.00000°. NP2:ϕ_s30.00000°,δ68.00000°,λ156.00000°. Principal axes: T 3.9400,Plg32.0000° ,Azm350.0000°; N 0.9400,Plg58.0000°,Azm170.0000°; P -4.8800,Plg0.0000°,Azm80.0000° M_o4.40000×10^{16}

(703) Andaman Islands region

ISC	**IX**	**22 13 30 39.2–.12**	**15.65N–.02**	**96.09E–.02**	**39**	**5.3b,4.9s**	**749**	**4-165**
SZGRF	IX	22 13 30 31.3	14.78N	95.99E	33	5.5b,4.9s		**¶13394964**
BJI	IX	22 13 30 36.8	15.46N	96.14E	50	5.5s,5.4b		
MOS	IX	22 13 30 36.6–.83	15.64N	96.10E	33	5.6b,4.9s		
DJA	IX	22 13 30 36	15.79N	96.15E	9	5.1b,4.9s		
IDC	IX	22 13 30 36.9–3.1	15.54N	96.10E	26–20	5.6L,4.9b		
GCMT	IX	22 13 30 37.5–.20	15.46N	96.15E	12	5.2W,4.9b		
ISCJB	IX	22 13 30 37.2–.12	15.63N–.02	96.08E–.02	37	5.3b,4.9s		
NEIC	IX	22 13 30 38.2–.12	15.58N	96.08E	35	5.4b,4.9s		
TEH	IX	22 13 30 38.0	15.57N	96.08E	29	5.4b,4.9s		

ISC Event type fe.
SZGRF Andaman Islands, India, region.
MOS Error ellipse: s-maj=6.8km s-min=3.5km az=120.1.
IDC Error ellipse: s-maj=12.2km s-min=8.7km az=60.0.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s49,c75; s90,c173; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.84±.16 $M_{\theta\theta}$4.90±.14; $M_{\phi\phi}$0.94±.16; $M_{r\theta}$2.74±.41; $M_{\theta\phi}$6.15±.12; $M_{\theta r}$0.60±.42; Best double couple: NP1:ϕ_s33.00000°,δ39.00000°,λ-121.00000°. NP2:ϕ_s251.00000°,δ57.00000°,λ-67.00000°. Principal axes: T 9.8000,Plg9.0000° ,Azm325.0000°; N -3.1400,Plg19.0000°,Azm58.0000°; P -6.6600,Plg68.0000° ,Azm210.0000° M_o8.20000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=41.1.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=217.0. Felt in tall buildings at Bangkok, Thailand.

(54) Off coast of Jalisco

ISC	**IX**	**24 02 33 05.3–.17**	**17.52N–.02**	**105.46W–.02**	**10**	**6.2s,5.6b**	**1241**	**2-170**
ISCJB	IX	24 02 33 03.8–.18	17.56N–.02	105.43W–.02	10	6.2s,5.6b		**¶12952175**
BJI	IX	24 02 33 03.4	17.38N	106.03W	10	6.5s,6.3		
IDC	IX	24 02 33 03.3–.52	17.57N	105.57W	0	6.1,6.1s		
MEX	IX	24 02 33 04.4–1.4	17.64N	105.61W	16–40	6.4,6.1s		
NEIC	IX	24 02 33 05.6–.18	17.61N	105.50W	12	6.6,6.4W		
MOS	IX	24 02 33 06.3–.88	17.61N	105.53W	33	6.2s,5.8b		
GCMT	IX	24 02 33 10.4–.10	17.69N	105.60W	17–0	6.4W,5.8b		
BGS	IX	24 02 33 18.0–2.1	20.14N	105.17W	10–0	6.4s,5.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=1.6km az=34.5.
IDC Error ellipse: s-maj=18.9km s-min=10.2km az=61.0.
MEX Error ellipse: s-maj=10.8km s-min=9.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.3km az=36.0. Felt at Guadalajara, Jalisco, Mexico and Puerto Vallarta. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ88.00000°,λ-5.00000°. NP2: ϕ_s120.00000°,δ85.00000°,λ-178.00000°. Principal axes: T Plg2.0000°,Azm75.0000° ; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm345.0000° Moment Tensor Solution. s88 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.01 $M_{\theta\theta}$-3.08 $M_{\phi\phi}$3.09 $M_{r\theta}$0.00 $M_{\theta\phi}$-0.81 $M_{\theta r}$-0.47 Best double couple: NP1:ϕ_s218.00000°,δ85.00000°,λ7.00000°. NP2:ϕ_s127.00000° ,δ84.00000°,λ175.00000°. Principal axes: T 3.2600,Plg8.0000°,Azm82.0000° ; N -0.0800,Plg81.0000°,Azm254.0000°; P -3.1900,Plg1.0000°,Azm352.0000° M_o3.20000×10^{18} Moment Tensor Solution. M_o5.50000×10^{18}
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=88.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 108 sta. Surface waves: sta=105, comp=244, per= 50. Moment Tensor Solution. s116,c263; s99,c200; Moment tensor: Scale 10^{18}Nm; M_{rr}0.59±.03 $M_{\theta\theta}$-5.01±.03; $M_{\phi\phi}$4.42±.03; $M_{r\theta}$0.35±.07; $M_{\theta\phi}$-1.35±.02; $M_{\theta r}$0.23±.07; Best double couple: NP1:ϕ_s307.00000°,δ86.00000°,λ-179.00000°. NP2:ϕ_s217.00000°,δ89.00000°,λ-4.00000°. Principal axes: T 4.6200,Plg2.0000° ,Azm262.0000°; N 0.6100,Plg86.0000°,Azm26.0000°; P -5.2200,Plg4.0000°,Azm172.0000° M_o4.90000×10^{18}
BGS Error ellipse: s-maj=477.2km s-min=696.2km az=-1.0.

(310) Nepal

ISC	**IX**	**25 01 47 12.2–.10**	**30.84N–.01**	**83.59E–.01**	**10**	**5.8s,5.4b**	**942**	**2-157**
DMN	IX	25 01 46 58.8–.35	31.90N	83.16E	2–0	6.3L,5.4b		**¶13395135**
BGS	IX	25 01 47 04.1–1.7	28.40N	82.06E	10–0	6.0s,5.2b		
LDG	IX	25 01 47 09.9–.24	30.99N	83.11E	10–0	5.5s,5.2b		
IDC	IX	25 01 47 09.8–.40	30.74N	83.59E	0	5.7,5.7s		
ISCJB	IX	25 01 47 10.6–.10	30.87N–.01	83.57E–.02	10	5.8s,5.4b		
NEIC	IX	25 01 47 11.2–.18	30.84N	83.49E	4	6.0,5.9W		
BJI	IX	25 01 47 12.5	31.05N	83.77E	14	6.2s,6.0		
TEH	IX	25 01 47 13.0	30.93N	83.45E	10	6.2s,6.0		
MOS	IX	25 01 47 14.3–1.1	30.91N	83.52E	33	5.8s,5.6b		
DJA	IX	25 01 47 14	30.97N	83.64E	10	5.4b,5.6b		
GCMT	IX	25 01 47 17.9–.10	30.66N	83.69E	21–0	6.0W,5.6b		
NDI	IX	25 01 47 20.3–3.4	30.06N	83.23E	10–0	5.7b,5.6b		
SZGRF	IX	25 01 47 25.2	31.79N	83.44E	33	6.2s,5.5b		

ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=7.4km s-min=6.4km az=115.0.
BGS Error ellipse: s-maj=582.8km s-min=668.4km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=11.1km s-min=5.7km az=114.0.
IDC Error ellipse: s-maj=13.2km s-min=10.2km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=26.5.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.7km az=41.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s100.00000°,δ85.00000° ,λ150.00000°. NP2:ϕ_s193.00000°,δ60.00000°,λ6.00000°. Principal axes: T Plg24.0000° ,Azm52.0000°; N Plg0.0000°,Azm0.0000°; P Plg17.0000°,Azm150.0000° Moment Tensor Solution. s72 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.60 $M_{\theta\theta}$-3.94 $M_{\phi\phi}$4.54 $M_{r\theta}$1.36 $M_{\theta\phi}$-3.18 $M_{\theta r}$-0.43 Best double couple: NP1:ϕ_s297.00000°,δ86.00000°,λ-165.00000°. NP2: ϕ_s206.00000°,δ75.00000°,λ-5.00000°. Principal axes: T 5.7100,Plg7.0000°,Azm70.0000° ; N -0.4200,Plg73.0000°,Azm312.0000°; P -5.2900,Plg14.0000°,Azm162.0000° M_o5.50000×10^{17}
MOS Error ellipse: s-maj=7.0km s-min=3.7km az=119.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=124, comp=274, per= 50. Moment Tensor Solution. s103,c207; s76,c106; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.27±.01 $M_{\theta\theta}$-0.77±.01; $M_{\phi\phi}$1.04±.01; $M_{r\theta}$0.26±.02; $M_{\theta\phi}$-0.53±.01; $M_{\theta r}$0.04±.02; Best double couple: NP1:ϕ_s208.00000°,δ75.00000°,λ-13.00000°. NP2:ϕ_s302.00000°,δ77.00000°,λ-165.00000°. Principal axes: T 1.1800,Plg1.0000°,Azm75.0000°; N -0.1800,Plg70.0000°,Azm341.0000° ; P -1.0100,Plg20.0000°,Azm165.0000° M_o1.10000×10^{18}
NDI Error ellipse: s-maj=15.7km s-min=12.5km az=-1.0.
SZGRF Xizang.

(421) Carlsberg Ridge

ISC	**IX**	**26 18 46 18.7–.15**	**2.97N–.03**	**65.35E–.02**	**10**	**5.3b,5.3s**	**804**	**9-156**
BJI	IX	26 18 46 09.5	2.28N	64.75E	10	5.7b,5.6s		**¶12952205**
ISCJB	IX	26 18 46 16.7–.16	2.97N–.03	65.33E–.02	10	5.3b,5.3s		
SZGRF	IX	26 18 46 16.5	2.21N	65.49E	33	5.7b,4.9s		
MOS	IX	26 18 46 16.8–1.0	3.12N	65.29E	10	5.5b,5.1s		
IDC	IX	26 18 46 17.8–.39	3.12N	65.49E	0	5.1s,5.1		
NEIC	IX	26 18 46 18.6–.20	3.07N	65.32E	10	5.6W,5.6W		
DJA	IX	26 18 46 21	3.00N	65.48E	17	5.4b,5.6W		
GCMT	IX	26 18 46 21.3–.10	2.99N	65.41E	12	5.7W,5.6W		
TEH	IX	26 18 46 23.0	3.12N	65.46E	33	5.7W,5.6W		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.7km az=15.2.
SZGRF Carlsberg Ridge.
MOS Error ellipse: s-maj=6.7km s-min=3.5km az=118.8.
IDC Error ellipse: s-maj=13.5km s-min=10.7km az=46.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.4km az=194.0. Moment Tensor Solution. s104 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.67 $M_{\theta\theta}$1.45 $M_{\phi\phi}$0.22 $M_{r\theta}$2.14 $M_{\theta\phi}$-0.70 $M_{\theta r}$0.84 Best double couple: NP1:ϕ_s262.00000°,δ73.00000°,λ-110.00000°. NP2:ϕ_s133.00000° ,δ26.00000°,λ-42.00000°. Principal axes: T 2.5700,Plg25.0000°,Azm7.0000° ; N 0.5400,Plg19.0000°,Azm267.0000°; P -3.1000,Plg57.0000°,Azm145.0000° M_o2.90000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=116, comp=248, per= 50. Moment Tensor Solution. s87,c149; s60,c70; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.54±.03 $M_{\theta\theta}$3.24±.03; $M_{\phi\phi}$0.31±.03; $M_{r\theta}$0.80±.10; $M_{\theta\phi}$-1.57±.03; $M_{\theta r}$0.10±.10; Best double couple: NP1:ϕ_s121.00000°,δ40.00000°,λ-79.00000°. NP2:ϕ_s287.00000°,δ51.00000°,λ-99.00000°. Principal axes: T 3.9900,Plg5.0000°,Azm23.0000°; N -0.3300,Plg7.0000°,Azm292.0000° ; P -3.6500,Plg81.0000°,Azm150.0000° M_o3.80000×10^{17}

(178) Kermadec Islands

ISC	**IX**	**29 15 19 30.8–.07**	**30.10S–.02**	**177.63W–.02**	**35**	**6.8s,6.5b**	**1108**	**8-175**
WEL	IX	29 15 19 21.6–1.8	30.34S	175.43W	33	7.3W,6.7L		**¶13395461**
SZGRF	IX	29 15 19 26.8	30.53S	175.94W	33	7.2b,6.7L		
IDC	IX	29 15 19 26.3–.31	29.80S	177.67W	0	6.6s,6.6		
BJI	IX	29 15 19 27.7	29.46S	177.03W	26	7.1s,7.0b		
MOS	IX	29 15 19 29.9–1.1	29.79S	177.67W	33	7.0s,6.7b		
ISCJB	IX	29 15 19 29.1–.08	30.08S–.02	177.70W–.02	33	6.8s,6.5b		
NEIC	IX	29 15 19 31.6–.11	29.76S	177.68W	36	7.0W,6.9W		
DJA	IX	29 15 19 37	30.06S	177.71W	82	7.2W,6.9W		
GCMT	IX	29 15 19 42.9–.10	29.85S	177.46W	51–0	7.0W,6.9W		
NOU	IX	29 15 21 16.5–3.7	30.37S	170.16E	0–999	7.0W,6.9W		

ISC Event type fe.
WEL Event type fe. Error ellipse: s-maj=17.6km s-min=10.9km az=90.0. Felt from Bay of Plenty to Otago, maximum reported intensity MM 4.
SZGRF Kermadec Islands region.
IDC Error ellipse: s-maj=13.7km s-min=12.6km az=179.0.
MOS Error ellipse: s-maj=9.1km s-min=7.3km az=59.7.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.0km az=141.1.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=154.0. Felt in parts of the North Island. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s74 Moment tensor: Scale 10^{19}Nm; M_{rr}2.68 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$-1.68 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.33 $M_{\theta r}$1.23 Best double couple: NP1:ϕ_s14.00000° ,δ59.00000°,λ85.00000°. NP2:ϕ_s204.00000°,δ31.00000°,λ98.00000°. Principal axes: T 3.0000,Plg75.0000°,Azm270.0000°; N -0.9000,Plg4.0000°,Azm16.0000° ; P -2.1100,Plg14.0000°,Azm107.0000° M_o2.70000×10^{19} Moment Tensor Solution. M_o4.30000×10^{19}
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 116 sta. Surface waves: sta=118, comp=295, per= 50. Moment Tensor Solution. s121,c325; s99,c276; Moment tensor: Scale 10^{19}Nm; M_{rr}3.95±.02 $M_{\theta\theta}$-0.23±.01; $M_{\phi\phi}$-3.72±.01; $M_{r\theta}$0.46±.02; $M_{\theta\phi}$-1.10±.01; $M_{\theta r}$1.93±.02; Best double couple: NP1:ϕ_s197.00000°,δ32.00000°,λ92.00000°. NP2:ϕ_s15.00000°,δ58.00000°,λ89.00000°. Principal axes: T 4.4200,Plg77.0000°,Azm281.0000°; N 0.0900,Plg1.0000°,Azm16.0000° ; P -4.5000,Plg13.0000°,Azm106.0000° M_o4.50000×10^{19}
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(178) Kermadec Islands

ISC	**IX**	**29 16 10 34.3–2.2**	**30.15S–.03**	**177.62W–.05**	**11–13**	**5.6s,5.1b**	**414**	**9-172**
IDC	IX	29 16 10 32.5–.42	29.83S	177.54W	0	5.0b,5.0		**¶11911358**
ISCJB	IX	29 16 10 36.0–.12	30.22S–.03	177.69W–.05	33	5.6s,5.1b		
BJI	IX	29 16 10 36.0	29.90S	177.60W	35	5.5s,5.5b		
MOS	IX	29 16 10 38.5–2.4	29.77S	177.72W	33	5.3b,5.5b		
NEIC	IX	29 16 10 38.1–.22	29.87S	177.61W	35	5.3b,5.5b		

ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=12.9km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.2km az=35.8.
MOS Error ellipse: s-maj=12.4km s-min=10.5km az=75.5.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.0km az=151.0.

(705) Off west coast of northern Sumatera

ISC	**X**	**01 03 12 19.7–.28**	**1.03N–.03**	**96.84E–.03**	**28**	**4.7b,4.1s**	**172**	**2-146**
ISCJB	X	01 03 12 17.2–.28	1.01N–.03	96.82E–.03	26	4.7b,4.1s		**¶11322844**
IDC	X	01 03 12 18.7–.47	0.98N	96.73E	25–2	4.2,4.2L		
NEIC	X	01 03 12 18.9–.40	0.96N	96.85E	27	4.9b,4.2L		
MOS	X	01 03 12 19.6–1.2	1.01N	96.84E	47	4.7b,4.2L		
DJA	X	01 03 12 20.4–.60	1N–5.0	97E–5.0	55–28	6.1b,5.8		
BJI	X	01 03 12 21.2	1.60N	96.60E	20	4.8b,4.7b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.5km az=42.3.
IDC Error ellipse: s-maj=16.4km s-min=9.9km az=58.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.3km az=222.0.
MOS Error ellipse: s-maj=11.8km s-min=7.0km az=105.2.

(272) Seram

ISC	**X**	**01 16 29 35.2–1.6**	**2.95S–.04**	**129.73E–.04**	**28–12**	**4.4b,3.3s**	**84**	**2-150**
IDC	X	01 16 29 30.9–.62	2.96S	129.67E	0	4.3,4.2		**¶11322868**
BJI	X	01 16 29 31.1	2.90S	129.80E	10	5.0b,4.8s		
ISCJB	X	01 16 29 32.7–1.4	2.96S–.04	129.68E–.04	24–11	4.4b,3.3s		
DJA	X	01 16 29 35.6–.20	3S–3.0	130E–2.0	15–0	5.5b,5.3		
NEIC	X	01 16 29 35.9–.36	3.00S	129.76E	35	4.5b,5.3		

ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=14.0km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.9km az=135.9.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=6.3km az=71.0.

(250) Mindoro

ISC	**X**	**01 18 04 28.7–.11**	**13.45N–.02**	**120.43E–.02**	**39**	**5.4s,5.3b**	**689**	**1-171**
BJI	X	01 18 04 23.8	13.07N	120.70E	45	5.6s,5.4b		**¶13395632**
NEIC	X	01 18 04 23.9–.17	13.37N	120.44E	10	5.5W,5.5W		
ISCJB	X	01 18 04 26.7–.11	13.44N–.02	120.43E–.02	36	5.4s,5.3b		
MOS	X	01 18 04 26.9–.95	13.47N	120.49E	42	5.5b,5.4s		
IDC	X	01 18 04 26.7–1.6	13.41N	120.48E	28–10	5.1s,5.1		
GCMT	X	01 18 04 27.6–.10	13.49N	120.33E	14–0	5.5W,5.1		
MAN	X	01 18 04 27	13.30N	120.21E	54	5.3s,5.1		
DJA	X	01 18 04 39	13.58N	120.34E	138	5.4W,5.1		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.0km az=75.0. Felt [IV PIVS] at Paluan and [III PIVS] at Puerto Galera. Felt [IV] at Manila and [II PIVS] at Muntinlupa, Quezon City and Tagaytay, Luzon. Moment Tensor Solution. s71 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.65 $M_{\theta\theta}$0.78 $M_{\phi\phi}$0.87 $M_{r\theta}$-0.21 $M_{\theta\phi}$0.85 $M_{\theta r}$1.21 Best double couple: NP1:ϕ_s198.00000° ,δ62.00000°,λ-115.00000°. NP2:ϕ_s63.00000°,δ37.00000°,λ-52.00000°. Principal axes: T 1.8500,Plg13.0000°,Azm306.0000°; N 0.3700,Plg21.0000°,Azm210.0000° ; P -2.2300,Plg64.0000°,Azm66.0000° M_o2.10000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=166.6.
MOS Error ellipse: s-maj=8.5km s-min=4.3km az=120.6.
IDC Error ellipse: s-maj=13.2km s-min=8.3km az=65.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 98, comp=210, per= 50. Moment Tensor Solution. s89,c168; s48,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.24±.03 $M_{\theta\theta}$1.25±.03; $M_{\phi\phi}$0.99±.03; $M_{r\theta}$0.51±.06; $M_{\theta\phi}$1.43±.02; $M_{\theta r}$0.86±.07; Best double couple: NP1: ϕ_s56.00000°,δ35.00000°,λ-77.00000°. NP2:ϕ_s220.00000°,δ56.00000°,λ-99.00000°. Principal axes: T 2.7400,Plg11.0000°,Azm316.0000°; N -0.2800,Plg7.0000°,Azm225.0000° ; P -2.4600,Plg77.0000°,Azm102.0000° M_o2.60000×10^{17}
MAN Event type fe. INTENSITY IV - PALUAN OCC. MINDORO INTENSITY III - PUERTO GALERA INTENSITY II - TAGAYTAY MAKATI QUEZON CITY.

(274) Southern Sumatera

ISC	**X**	**01 21 42 21.3–1.6**	**3.85S–.05**	**100.58E–.05**	**12–10**	**4.7b,4.1s**	**164**	**2-148**
NEIC	X	01 21 42 18.7–.27	4.60S	100.83E	35	4.9b,4.1s		**¶15261193**
BJI	X	01 21 42 18.1	4.25S	100.73E	30	4.9b,4.7b		
ISCJB	X	01 21 42 20.5–.95	3.83S–.05	100.52E–.05	20–7	4.8b,4.1s		
IDC	X	01 21 42 22.7–1.2	3.33S	100.77E	0	4.5,4.5b		

MOS X 01 21 42 25.3–1.3 3.31S 100.61E 33 4.9b,4.5b
DJA X 01 21 42 27.3–2.2 4S–3.0 100E–4.0 39–27 5.5b,5.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

(189) Southeast of Loyalty Islands

ISC X 02 23 28 10.7–.90 23.00S–.02 169.86E–.02 16–5 5.6b,5.4s 690 3-170
BJI X 02 23 28 05.2 23.63S 170.17E 10 5.9b,5.5s **¶13395833**
NOU X 02 23 28 07.8–.89 23.65S 170.01E 30–0 5.9b,5.5s
ISCJB X 02 23 28 07.6–.83 23.05S–.03 169.84E–.02 7–5 5.6b,5.4s
LDG X 02 23 28 09.4–.10 22.07S 170.08E 10–0 5.7b,5.3s
NEIC X 02 23 28 09.1–.11 23.02S 169.86E 10 5.8b,5.8W
SZGRF X 02 23 28 10.3 23.91S 170.99E 33 5.5b,5.8W
MOS X 02 23 28 11.9–1.0 23.03S 169.79E 33 5.9b,5.4s
IDC X 02 23 28 13.2–.39 23.00S 169.89E 35–2 5.2,5.2b
GCMT X 02 23 28 16.0–.10 22.98S 169.78E 12 5.8W,5.2b
DJA X 02 23 28 30 23.38S 169.25E 159 5.7W,5.2b
ISC Event type ke.
NOU Error ellipse: s-maj=70.6km s-min=37.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=173.4.
LDG Event type ke. Error ellipse: s-maj=15.8km s-min=3.6km az=176.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.6km az=160.0. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.50 $M_{\theta\theta}$4.63 $M_{\phi\phi}$0.88 $M_{r\theta}$1.13 $M_{\theta\phi}$-2.37 $M_{\phi r}$1.81 Best double couple: NP1:ϕ_s134.00000°,δ47.00000°,λ-63.00000°. NP2:ϕ_s277.00000°,δ49.00000°,λ-116.00000°. Principal axes: T 5.7800,Plg1.0000°,Azm25.0000° ; N 0.4800,Plg19.0000°,Azm294.0000°; P -6.2600,Plg70.0000°,Azm118.0000° M_o6.00000×10^{17}
SZGRF Southeast of Loyalty Islands.
MOS Error ellipse: s-maj=8.3km s-min=7.5km az=110.9.
IDC Error ellipse: s-maj=10.5km s-min=9.6km az=103.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=264, per= 50. Moment Tensor Solution. s105,c214; s80,c106; Moment tensor: Scale 10^{17}Nm; M_{rr}-5.04±.04 $M_{\theta\theta}$4.02±.04; $M_{\phi\phi}$1.02±.05; $M_{r\theta}$3.32±.12; $M_{\theta\phi}$-2.93±.04; $M_{\phi r}$-0.11±.13; Best double couple: NP1:ϕ_s138.00000°,δ33.00000°,λ-62.00000°. NP2:ϕ_s286.00000°,δ61.00000°,λ-107.00000°. Principal axes: T 6.5600,Plg14.0000°,Azm28.0000°; N -0.3300,Plg15.0000°,Azm294.0000° ; P -6.2300,Plg69.0000°,Azm160.0000° M_o6.40000×10^{17}

(189) Southeast of Loyalty Islands

ISC X 03 00 25 28.6–.22 23.03S–.04 169.72E–.03 19 5.1b,4.8s 175 3-164
BJI X 03 00 25 23.7 23.29S 170.08E 10 5.5b,5.1b **¶11327825**
IDC X 03 00 25 24.7–.54 23.01S 169.85E 0 4.9,4.8
NEIC X 03 00 25 27.0–.17 23.01S 169.70E 10 5.2b,4.8s
NOU X 03 00 25 26.1–.55 24.52S 169.04E 30–0 3.8L,3.7
SZGRF X 03 00 25 26.7 23.90S 170.46E 27 3.8L,3.7
ISCJB X 03 00 25 26.5–.22 23.07S–.04 169.72E–.03 17 5.1b,4.8s
LDG X 03 00 25 28.0–.67 21.73S 169.90E 10–0 5.1b,4.8s
MOS X 03 00 25 29.8–1.4 23.01S 169.65E 33 5.3b,4.7s
GCMT X 03 00 25 30.9–.20 22.95S 169.64E 12 5.3W,4.7s
DJA X 03 00 25 36 23.20S 169.59E 72 5.2b,4.7s
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=15.6km az=102.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.4km az=155.0.
NOU Error ellipse: s-maj=19.4km s-min=24.2km az=-1.0.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=21.3.
LDG Event type ke. Error ellipse: s-maj=63.6km s-min=11.4km az=164.0.
MOS Error ellipse: s-maj=9.9km s-min=9.4km az=23.3.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=103, comp=181, per= 50. Moment Tensor Solution. s77,c119; s13,c13; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.25±.02 $M_{\theta\theta}$1.08±.02; $M_{\phi\phi}$0.17±.02; $M_{r\theta}$0.44±.05; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$0.15±.07; Best double couple: NP1:ϕ_s122.00000°,δ38.00000°,λ-71.00000°. NP2:ϕ_s278.00000°,δ54.00000°,λ-104.00000°. Principal axes: T 1.2800,Plg8.0000°,Azm19.0000°; N 0.0900,Plg12.0000°,Azm287.0000° ; P -1.3600,Plg76.0000°,Azm143.0000° M_o1.30000×10^{17}

(703) Andaman Islands region

ISC X 03 21 20 25.0–.62 10.74N–.02 91.71E–.02 29–4 5.4b,5.1s 898 9-165
IDC X 03 21 20 26.0–.30 10.80N 91.74E 0 5.2,5.2b **¶13395914**
BJI X 03 21 20 21.7 10.55N 91.67E 32 5.4b,5.3s
ISCJB X 03 21 20 21.4–.63 10.72N–.02 91.70E–.02 17–4 5.4b,5.1s
SZGRF X 03 21 20 21.8 10.38N 92.11E 33 5.4b,4.8s
MOS X 03 21 20 22.8–.96 10.80N 91.70E 26 5.6b,4.9s
NEIC X 03 21 20 23.8–2.1 10.76N 91.66E 19–12 5.6W,5.5b
DJA X 03 21 20 25 10.61N 91.77E 24 5.6W,5.5b
TEH X 03 21 20 26.0 10.76N 91.69E 35 5.6W,5.5b
GCMT X 03 21 20 27.2–.10 10.83N 91.80E 12 5.4W,5.5b
ISC Event type fe.
IDC Error ellipse: s-maj=10.6km s-min=8.6km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=25.8.
SZGRF Andaman Islands, India, region.
MOS Error ellipse: s-maj=6.4km s-min=3.5km az=120.6.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.6km az=210.0. Felt at Port Blair. Moment Tensor Solution. s62 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.89 $M_{\theta\theta}$0.87 $M_{\phi\phi}$1.02 $M_{r\theta}$0.43 $M_{\theta\phi}$0.23 $M_{\phi r}$-2.78 Best double couple: NP1:ϕ_s196.00000°,δ15.00000°,λ-70.00000°. NP2:ϕ_s355.00000°,δ76.00000°,λ-95.00000°. Principal axes: T 2.7000,Plg31.0000°,Azm89.0000° ; N 0.9300,Plg4.0000°,Azm356.0000°; P -3.6300,Plg58.0000°,Azm258.0000° M_o3.30000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=207, per= 50. Moment Tensor Solution. s85,c145; s34,c35; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.45±.02 $M_{\theta\theta}$-0.07±.02; $M_{\phi\phi}$1.52±.02; $M_{r\theta}$0.74±.05; $M_{\theta\phi}$0.12±.01; $M_{\phi r}$-0.15±.04; Best double couple: NP1:ϕ_s206.00000°,δ48.00000°,λ-57.00000°. NP2:ϕ_s342.00000°,δ52.00000°,λ-121.00000°. Principal axes: T 1.5300,Plg2.0000°,Azm93.0000°; N 0.2500,Plg24.0000°,Azm2.0000° ; P -1.7800,Plg66.0000°,Azm188.0000° M_o1.70000×10^{17}

(153) South Sandwich Islands region

ISC X 04 07 56 50.9–2.1 59.45S–.04 25.90W–.06 21–14 5.7b,5.3s 209 13-173
ISCJB X 04 07 56 47.6–.18 59.36S–.04 25.90W–.06 10 5.7b,5.3s **¶13395946**
DJA X 04 07 56 50 59.24S 26.46W 20 5.8b,5.3s
BJI X 04 07 56 51.4 59.30S 26.00W 35 5.7s,5.6b
NEIC X 04 07 56 52.5–.11 59.34S 25.90W 35 5.8b,5.6W
MOS X 04 07 56 52.2–.98 59.40S 25.85W 37 5.9b,5.2s
IDC X 04 07 56 54.1–1.0 59.36S 26.05W 45–8 5.8L,5.4b
GCMT X 04 07 56 59.2–.10 59.74S 25.42W 42–0 5.7W,5.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=28.4.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.3km az=218.0. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}3.02 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-1.79 $M_{r\theta}$0.35 $M_{\theta\phi}$-0.68 $M_{\phi r}$0.20 Best double couple: NP1:ϕ_s37.00000°,δ49.00000°,λ94.00000°. NP2:ϕ_s211.00000°,δ41.00000°,λ86.00000°. Principal axes: T 3.0500,Plg85.0000°,Azm338.0000° ; N -0.7800,Plg2.0000°,Azm214.0000°; P -2.2700,Plg3.0000°,Azm124.0000° M_o2.70000×10^{17}
MOS Error ellipse: s-maj=19.6km s-min=9.9km az=99.3.
IDC Error ellipse: s-maj=11.3km s-min=9.5km az=30.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=192, per= 50. Moment Tensor Solution. s96,c181; s52,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}3.74±.06 $M_{\theta\theta}$-0.19±.05; $M_{\phi\phi}$-3.55±.05; $M_{r\theta}$-0.18±.05; $M_{\theta\phi}$-1.83±.04; $M_{\phi r}$0.40±.05; Best double couple: NP1:ϕ_s210.00000°,δ43.00000°,λ99.00000°. NP2:ϕ_s18.00000°,δ47.00000°,λ82.00000°. Principal axes: T 3.7800,Plg84.0000°,Azm223.0000°; N 0.5800,Plg6.0000°,Azm23.0000° ; P -4.3600,Plg2.0000°,Azm114.0000° M_o4.10000×10^{17}

(177) Kermadec Islands region

ISC X 04 14 50 31.8–.14 30.31S–.04 177.36W–.04 35 5.2b,5.0s 373 9-168
IDC X 04 14 50 26.3–.49 30.02S 177.19W 0 5.0,4.9 **¶11328054**
BJI X 04 14 50 29.4 29.85S 176.66W 35 5.6b,5.5b
ISCJB X 04 14 50 29.8–.14 30.35S–.04 177.40W–.04 33 5.2b,5.0s
NEIC X 04 14 50 30.7–1.4 30.43S 177.25W 37–13 5.4b,5.0s
MOS X 04 14 50 30.6–1.5 29.91S 177.30W 33 5.6b,5.1s
GCMT X 04 14 50 31.6–.20 30.03S 176.70W 18–0 5.3W,5.1s
DJA X 04 14 51 04 30.50S 178.92W 265 4.8b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=15.7km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=148.1.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.3km az=169.0.
MOS Error ellipse: s-maj=11.4km s-min=10.2km az=68.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 95, comp=165, per= 50. Moment Tensor Solution. s66,c110; s10,c10; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s194.00000°,δ22.00000°,λ91.00000°. NP2:ϕ_s13.00000°,δ68.00000°,λ89.00000°. Principal axes: T 1.1200,Plg67.0000°,Azm282.0000°; N 0.0000,Plg1.0000°,Azm13.0000° ; P -1.1200,Plg23.0000°,Azm103.0000° M_o1.10000×10^{17}

(178) Kermadec Islands

ISC X 05 09 12 36.0–.10 30.31S–.02 177.26W–.03 10 6.2s,5.7b 656 8-173
ISCJB X 05 09 12 34.5–.10 30.33S–.02 177.32W–.03 10 6.2s,5.7b **¶11330126**
IDC X 05 09 12 34.8–.29 30.03S 177.27W 0 6.0s,6.0
NEIC X 05 09 12 36.1–.12 30.18S 177.18W 10 6.2s,6.1W
BJI X 05 09 12 38.4 29.73S 176.94W 31 6.4b,6.3s
MOS X 05 09 12 39.5–1.1 29.91S 177.28W 33 6.2s,6.0b
SZGRF X 05 09 12 40.2 29.70S 176.43W 33 6.3b,6.0b
GCMT X 05 09 12 46.3–.10 30.00S 176.70W 14–0 6.1W,6.0b
DJA X 05 09 12 50 30.11S 176.90W 144 5.4b,6.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.5km az=44.1.
IDC Error ellipse: s-maj=10.6km s-min=9.0km az=32.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.9km az=146.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s60 Moment tensor: Scale 10^{18}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-0.41 $M_{r\theta}$-0.43 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.59 Best double couple: NP1:ϕ_s2.00000°,δ76.00000°,λ71.00000°. NP2:ϕ_s237.00000°,δ24.00000°,λ142.00000°. Principal axes: T 2.2400,Plg55.0000°,Azm248.0000° ; N -0.7700,Plg18.0000°,Azm6.0000°; P -1.4700,Plg28.0000°,Azm107.0000° M_o2.00000×10^{18} Moment Tensor Solution. M_o3.80000×10^{18}
MOS Error ellipse: s-maj=9.9km s-min=7.8km az=82.6.
SZGRF Kermadec Islands region.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=122, comp=292, per= 50. Moment Tensor Solution. s109,c234; s92,c144; Moment tensor: Scale 10^{18}Nm; M_{rr}1.27±.01 $M_{\theta\theta}$-0.05±.01; $M_{\phi\phi}$-1.22±.01; $M_{r\theta}$0.33±.02; $M_{\theta\phi}$-0.38±.01; $M_{\phi r}$1.28±.03; Best double couple: NP1:ϕ_s198.00000°,δ22.00000°,λ93.00000°. NP2:ϕ_s15.00000°,δ68.00000°,λ89.00000°. Principal axes: T 1.8200,Plg67.0000°,Azm283.0000°; N 0.0700,Plg1.0000°,Azm16.0000° ; P -1.8900,Plg23.0000°,Azm106.0000° M_o1.90000×10^{18}

(177) Kermadec Islands region

ISC X 05 10 44 55.6–1.8 30.54S–.04 176.95W–.05 5–11 5.2s,5.0b 286 8-169
ISCJB X 05 10 44 53.6–1.6 30.61S–.04 176.96W–.05 2–10 5.2s,5.0b **¶11330128**
IDC X 05 10 44 55.3–.48 30.14S 177.13W 0 5.1s,5.1
MOS X 05 10 44 58.8–1.1 30.48S 177.08W 33 5.4b,5.1
NEIC X 05 10 44 60.0–.29 30.61S 176.93W 35 5.2b,5.1
GCMT X 05 10 45 00.6–.30 29.98S 176.45W 20–1 5.4W,5.1
BJI X 05 10 45 00.0 30.70S 176.90W 35 5.7b,5.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.2km az=39.7.
IDC Error ellipse: s-maj=18.8km s-min=14.4km az=172.0.
MOS Error ellipse: s-maj=18.5km s-min=15.9km az=7.2.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.3km az=141.0.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s40,c45; s90,c144; Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.07 $M_{\theta\theta}$-0.19±.04; $M_{\phi\phi}$-1.01±.04; $M_{r\theta}$-0.14±.08; $M_{\theta\phi}$-0.31±.02; $M_{\phi r}$1.16±.08; Best double couple: NP1:ϕ_s210.00000°,δ25.00000°,λ116.00000°. NP2:ϕ_s2.00000°,δ68.00000°,λ78.00000°. Principal axes: T 1.7300,Plg65.0000° ,Azm252.0000°; N -0.1800,Plg11.0000°,Azm6.0000°; P -1.5500,Plg22.0000°,Azm101.0000° M_o1.60000×10^{17}

(719) Tajikistan-Xinjiang border region

ISC X 05 15 52 50.1–.07 39.56N–.01 73.79E–.01 29 6.9s,6.2b 2076 2-167
LDG X 05 15 52 43.3–.13 39.34N 73.87E 10–0 6.8s,6.4b **¶13396075**
IDC X 05 15 52 45.0–.31 39.49N 73.88E 0 7.0,7.0s
KNET X 05 15 52 44.0–2.2 39.43N 73.69E 0–0 6.7L,7.0s
BJI X 05 15 52 47.4 39.58N 73.67E 27 7.0s,6.7
ISCJB X 05 15 52 48.1–.07 39.55N–.01 73.76E–.01 27 6.9s,6.2b
NNC X 05 15 52 48.7–3.8 39.60N 73.50E 7–18 6.8b,6.7
SZGRF X 05 15 52 48.6 39.64N 74.24E 22 7.4s,6.4b
NEIC X 05 15 52 49.4–.09 39.53N 73.82E 27 6.9s,6.6W
MOS X 05 15 52 50.2–.88 39.52N 73.83E 52 6.9s,6.5b
DJA X 05 15 52 51 39.62N 73.96E 19 7.0W,6.5b
BGS X 05 15 52 58.1–1.4 40.09N 72.47E 33–0 7.3s,6.1b
GCMT X 05 15 53 01.1–.10 39.50N 73.64E 12 6.7W,6.1b
ISC Event type de.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=4.9km az=24.0.
IDC Error ellipse: s-maj=7.4km s-min=7.3km az=149.0.
KNET Error ellipse: s-maj=24.5km s-min=12.2km az=35.0.
ISCJB Event type de. Error ellipse: s-maj=1.9km s-min=1.4km az=20.3.
NNC Error ellipse: s-maj=21.3km s-min=13.2km az=8.0.
SZGRF Southern Xinjiang, China.
NEIC Event type de. Error ellipse: s-maj=2.7km s-min=1.8km az=181.0. At least 74 people killed, 140 injured and dozens of buildings destroyed at Nura. Felt [II] at Bishkek. Also felt at Osh. Some buildings damaged in Wuqia Xian, China. Felt at Kashi. Felt [IV] at Dushanbe, Tajikistan. Also felt at Gharm and Khorugh. Felt [IV] at Taraz and [III] at Almaty, Kazakhstan. Also felt at Shymkent. Felt at Islamabad, Pakistan and Tashkent, Uzbekistan. Complex earthquake observed on broadband displacement seismograms. Energy computed from CMT mechanism.
MOS Event type fe. Error ellipse: s-maj=4.9km s-min=2.8km az=131.9. Felt (IV) at Dushanbe; (III-IV) at Taraz; (II-III) at Alma-Ata; (II) at Bishkek. Moment Tensor Solution. M_o1.10000×10^{19}
BGS Error ellipse: s-maj=250.5km s-min=369.5km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 109 sta. Surface waves: sta=120, comp=302, per= 50. Moment Tensor Solution. s110,c252; s99,c217; Moment tensor: Scale 10^{19}Nm; M_{rr}1.27±.01 $M_{\theta\theta}$-1.30±.01; $M_{\phi\phi}$0.03±.01; $M_{r\theta}$0.38±.02; $M_{\theta\phi}$-0.41±.01; $M_{\phi r}$-0.06±.03; Best double couple: NP1:ϕ_s246.00000°,δ38.00000° ,λ78.00000°. NP2:ϕ_s82.00000°,δ53.00000°,λ99.00000°. Principal axes: T 1.3400,Plg79.0000°,Azm31.0000°; N 0.1300,Plg8.0000°,Azm256.0000° ; P -1.4600,Plg7.0000°,Azm165.0000° M_o1.40000×10^{19}

(719) Tajikistan-Xinjiang border region

ISC X 05 15 55 24.9–.27 39.54N–.05 73.69E–.06 35 5.6b 150 3-153
IDC X 05 15 55 19.0–.45 39.49N 73.75E 0 5.6,5.6 **¶12066017**
ISCJB X 05 15 55 22.8–.27 39.51N–.06 73.69E–.06 33 5.6b,5.6
MOS X 05 15 55 22.3–.88 39.57N 73.75E 32 6.1b,5.6
NEIC X 05 15 55 24.3–.29 39.36N 73.66E 35 5.9b,5.6
ISC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=10.8km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.3km az=29.1.
MOS Error ellipse: s-maj=11.7km s-min=8.1km az=102.6.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.5km az=30.0.

(719) Tajikistan-Xinjiang border region

ISC X 05 16 11 11.5–.34 39.51N–.02 73.87E–.02 40–3 6.2s,5.5b 1129 2-153
LDG X 05 16 11 03.7–.17 39.31N 73.88E 10–0 5.6b,5.5b **¶13396080**
IDC X 05 16 11 04.9–.28 39.47N 73.96E 0 5.4b,5.4
ISCJB X 05 16 11 06.7–.77 39.48N–.02 73.85E–.02 18–5 6.2s,5.5b
NNC X 05 16 11 09.4–1.9 39.71N 73.80E 0 5.9b,5.6
BJI X 05 16 11 09.0 39.66N 73.98E 26 6.7b,6.0s
SZGRF X 05 16 11 10.8 39.05N 73.69E 33 5.4b,6.0s
NEIC X 05 16 11 10.4–.11 39.51N 73.89E 35 5.6b,6.0s
DJA X 05 16 11 10 39.30N 74.07E 10 5.8b,6.0s
MOS X 05 16 11 10.9–.97 39.54N 73.93E 55 5.7b,6.0s
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=9.1km s-min=5.8km az=3.0.
IDC Error ellipse: s-maj=8.0km s-min=7.4km az=29.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=23.9.
NNC Error ellipse: s-maj=17.0km s-min=8.8km az=6.0.
SZGRF Tajikistan-Xinjiang border region.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=13.0. Felt at Almaty, Kazakhstan; Bishkek, Kyrgyzstan; Tashkent, Uzbekistan.
MOS Error ellipse: s-maj=5.3km s-min=3.2km az=131.8.

(710) Pakistan

ISC X 05 22 56 27.8–.38 33.87N–.01 69.49E–.01 1–2 6.0s,5.5b 1485 1-173
SZGRF X 05 22 56 25.8 32.97N 70.27E 49 5.9s,5.7b **¶13396130**
ISCJB X 05 22 56 27.3–.09 33.87N–.01 69.50E–.01 10 6.0s,5.5b
IDC X 05 22 56 27.1–.29 33.91N 69.56E 0 5.8,5.8s
NEIC X 05 22 56 28.9–.15 33.89N 69.47E 10 6.0s,5.9W
IGIL X 05 22 56 28.8 33.94N 69.51E 10 5.7s,5.9W
NNC X 05 22 56 28.7–3.9 33.80N 68.81E 27–40 5.5b,5.9W
DJA X 05 22 56 29 33.99N 69.45E 0 5.3b,5.9W
BJI X 05 22 56 30.0 34.07N 69.65E 20 6.3s,6.1
BGS X 05 22 56 30.4–3.7 32.90N 68.97E 10–0 5.4b,6.1

MOS X 05 22 56 30.9–1.3 33.92N 69.58E 35 5.9s,5.7b
GCMT X 05 22 56 31.3–.10 33.91N 69.48E 17–0 6.0W,5.7b
ISC Event type fe.
SZGRF Pakistan.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=11.7.
IDC Error ellipse: s-maj=6.6km s-min=5.7km az=6.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=8.0. Felt [IV] at Gardiz and [II] at Kabul. Also felt at Pol-e Alam. Moment Tensor Solution. s57 Moment tensor: Scale 10^{17}Nm; M_{rr}0.79 $M_{\theta\theta}$-5.28 $M_{\phi\phi}$4.48 $M_{r\theta}$0.13 $M_{\theta\phi}$-2.71 $M_{\phi r}$-0.96 Best double couple: NP1:ϕ_s211.00000°,δ82.00000°,λ9.00000°. NP2:ϕ_s120.00000°,δ81.00000°,λ172.00000°. Principal axes: T 5.3800,Plg11.0000°,Azm75.0000°; N 0.6000,Plg78.0000°,Azm250.0000° ; P -5.9800,Plg0.0000°,Azm345.0000° M_o5.70000×10^{17} Moment Tensor Solution. M_w6.70000×10^{17}
NNC Error ellipse: s-maj=28.8km s-min=24.7km az=161.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=5.0km s-min=2.8km az=127.7.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=243, per= 50. Moment Tensor Solution. s102,c197; s53,c81; Moment tensor: Scale 10^{18}Nm; M_{rr}0.10±.01 $M_{\theta\theta}$-1.05±.01; $M_{\phi\phi}$0.95±.01; $M_{r\theta}$0.28±.03; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$0.00±.02; Best double couple: NP1:ϕ_s218.00000°,δ80.00000°,λ-8.00000°. NP2:ϕ_s310.00000°,δ82.00000°,λ-170.00000°. Principal axes: T 0.9700,Plg2.0000°,Azm84.0000°; N 0.1600,Plg77.0000°,Azm346.0000° ; P -1.1300,Plg13.0000°,Azm174.0000° M_o1.10000×10^{18}

(312) Bhutan

ISC	**X**	**06 08 30 45.0–.45**	**29.84N–.01**	**90.38E–.01**	**6–2**	**6.2s,6.0b**	**1846**	**1-163**
BGS	X	06 08 30 36.0–1.9	27.98N	90.55E	12–0	6.3s,5.9b		**¶13396168**
DMN	X	06 08 30 41.2–.35	30.24N	90.82E	10–0	6.2L,5.9b		
IDC	X	06 08 30 43.5–.31	29.76N	90.36E	0	6.1,6.1s		
ISCJB	X	06 08 30 43.5–.07	29.83N–.01	90.36E–.01	8	6.2s,6.0b		
BJI	X	06 08 30 43.7	29.81N	90.35E	11	6.8L,6.7s		
MOS	X	06 08 30 44.5–1.2	29.76N	90.36E	19	6.2b,6.1s		
SZGRF	X	06 08 30 44.8	29.42N	90.96E	33	6.3b,6.2s		
LDG	X	06 08 30 44.0–.38	30.13N	90.13E	10–0	6.2b,6.0s		
NEIC	X	06 08 30 45.6–.10	29.81N	90.35E	12	6.3W,6.2s		
DJA	X	06 08 30 47	29.70N	90.34E	10	6.7W,6.2s		
TEH	X	06 08 30 49.0	29.76N	90.41E	27	6.7W,6.2s		
GCMT	X	06 08 30 52.3–.10	29.66N	90.50E	12	6.3W,6.2s		

ISC Event type de.
BGS Error ellipse: s-maj=379.2km s-min=414.4km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=8.5km s-min=6.7km az=151.0.
IDC Error ellipse: s-maj=11.9km s-min=7.8km az=59.0.
ISCJB Event type de. Error ellipse: s-maj=2.1km s-min=1.4km az=26.0.
MOS Error ellipse: s-maj=5.5km s-min=2.8km az=126.2.
SZGRF Xizang.
LDG Event type ke. Error ellipse: s-maj=17.3km s-min=4.9km az=134.0.
NEIC Event type de. Error ellipse: s-maj=3.4km s-min=2.4km az=207.0. Ten people killed, at least 25 injured and many structures damaged in Damxung, Doilungdeqen and Nyemo. Felt [IV] at Lhasa. Also felt at Thimphu, Bhutan. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s108 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.66 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$1.74 $M_{r\theta}$-0.36 $M_{\theta\phi}$0.71 $M_{\phi r}$0.27 Best double couple: NP1:ϕ_s35.00000°,δ45.00000°,λ-67.00000°. NP2:ϕ_s184.00000°,δ49.00000°,λ-111.00000°. Principal axes: T 1.9900,Plg2.0000°,Azm288.0000° ; N -0.2000,Plg16.0000°,Azm197.0000°; P -1.7900,Plg73.0000°,Azm26.0000° M_o1.90000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=119, comp=272, per= 50. Moment Tensor Solution. s113,c255; s94,c177; Moment tensor: Scale 10^{18}Nm; M_{rr}-2.76±.02 $M_{\theta\theta}$-0.65±.02; $M_{\phi\phi}$3.41±.02; $M_{r\theta}$-0.68±.06; $M_{\theta\phi}$1.83±.02; $M_{\phi r}$0.59±.05; Best double couple: NP1:ϕ_s44.00000°,δ48.00000°,λ-55.00000°. NP2:ϕ_s178.00000°,δ53.00000°,λ-122.00000°. Principal axes: T 4.1300,Plg3.0000°,Azm291.0000°; N -0.9600,Plg25.0000°,Azm199.0000° ; P -3.1700,Plg65.0000°,Azm26.0000° M_o3.70000×10^{18}

(306) Xizang

ISC	**X**	**06 12 10 34.7–.82**	**29.71N–.02**	**90.32E–.02**	**15–5**	**5.2b,4.6s**	**794**	**1-161**
SZGRF	X	06 12 10 23.3	28.76N	91.75E	33	5.6b,4.8s		**¶13396198**
ISCJB	X	06 12 10 30.3–.64	29.73N–.02	90.31E–.02	0–4	5.3b,4.6s		
DMN	X	06 12 10 30.3–.40	30.24N	90.76E	10–0	5.3L,4.6s		
IDC	X	06 12 10 31.6–.38	29.56N	90.34E	0	5.1,5.0		
NEIC	X	06 12 10 33.4–.14	29.65N	90.32E	10	5.4b,4.5s		
LDG	X	06 12 10 33.0–.30	30.04N	90.10E	10–0	5.4b,4.3s		
BJI	X	06 12 10 33.2	29.67N	90.43E	11	5.3b,5.2s		
MOS	X	06 12 10 34.8–.96	29.63N	90.32E	33	5.5b,4.7s		
TEH	X	06 12 10 34.0	29.60N	90.28E	10	5.5b,4.7s		
GCMT	X	06 12 10 38.0–.20	29.56N	90.53E	14–0	5.2W,4.7s		
DJA	X	06 12 10 43	29.78N	90.28E	86	5.2b,4.7s		

ISC Event type ke.
SZGRF Xizang.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=14.7.
DMN Event type ke. Error ellipse: s-maj=11.0km s-min=7.7km az=144.0.
IDC Error ellipse: s-maj=12.8km s-min=7.6km az=59.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.2km az=207.0.
LDG Event type ke. Error ellipse: s-maj=13.4km s-min=4.7km az=126.0.
MOS Error ellipse: s-maj=6.4km s-min=3.4km az=123.2.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s43,c50; s90,c166; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.64±.37 $M_{\theta\theta}$-1.51±.20; $M_{\phi\phi}$8.15±.26; $M_{r\theta}$-2.45±.51; $M_{\theta\phi}$2.44±.14; $M_{\phi r}$-0.98±.41; Best double couple: NP1:ϕ_s173.00000°,δ43.00000°,λ-121.00000°. NP2:ϕ_s33.00000°,δ54.00000°,λ-64.00000°. Principal axes: T 8.8800,Plg6.0000° ,Azm105.0000°; N -1.2600,Plg21.0000°,Azm197.0000°; P -7.6200,Plg68.0000° ,Azm360.0000° M_o8.30000×10^{16}

(251) Samar

ISC	**X**	**07 03 34 36.5–.16**	**11.41N–.02**	**125.52E–.03**	**53**	**5.3b,4.4s**	**501**	**2-166**
MOS	X	07 03 34 33.5–.83	11.30N	125.36E	43	5.7b,4.7s		**¶13396279**
BJI	X	07 03 34 34.3	11.10N	125.54E	69	5.3b,5.2b		
ISCJB	X	07 03 34 34.6–.16	11.42N–.02	125.57E–.03	51	5.3b,4.4s		
IDC	X	07 03 34 35.9–.36	11.30N	125.45E	50–3	4.8,4.8		
NEIC	X	07 03 34 35.3–.14	11.27N	125.42E	45	5.4b,5.4W		
MAN	X	07 03 34 37	11.40N	125.39E	38	5.7b,5.2s		
GCMT	X	07 03 34 38.0–.20	11.42N	125.63E	54–0	5.3W,5.2s		
DJA	X	07 03 34 39	11.80N	125.56E	109	5.0b,5.2s		

ISC Event type fe.
MOS Error ellipse: s-maj=8.9km s-min=4.6km az=117.1.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=10.4.
IDC Error ellipse: s-maj=11.6km s-min=7.9km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.7km az=70.0. Felt [IV PIVS] at Borongan and [III PIVS] at Can-Avid. Also felt [IV PIVS] at Tacloban; [III PIVS] at Alangalang and Palo; [II PIVS] at Saint Bernard, Leyte. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17} Nm; M_{rr}1.17 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-1.53 $M_{r\theta}$0.05 $M_{\theta\phi}$0.08 $M_{\phi r}$0.27 Best double couple: NP1:ϕ_s2.00000°,δ51.00000°,λ95.00000°. NP2:ϕ_s173.00000°,δ39.00000°,λ84.00000°. Principal axes: T 1.2000,Plg83.0000°,Azm303.0000°; N 0.3600,Plg3.0000°,Azm178.0000° ; P -1.5600,Plg5.0000°,Azm87.0000° M_o1.40000×10^{17}
MAN Event type fe. INTENSITY IV - BORONGAN E. SAMAR; TACLOBAN LEYTE; INTENSITY III - ALANG-ALANG LEYTE; CAN-AVID SAMAR; PALO.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c131; s87,c160; Moment tensor: Scale 10^{17}Nm; M_{rr}0.88±.02 $M_{\theta\theta}$0.16±.02; $M_{\phi\phi}$-1.05±.02; $M_{r\theta}$0.20±.01; $M_{\theta\phi}$0.16±.01; $M_{\phi r}$0.25±.02; Best double couple: NP1:ϕ_s156.00000°,δ41.00000°,λ65.00000°. NP2:ϕ_s8.00000°,δ53.00000°,λ110.00000°. Principal axes: T 0.9700,Plg73.0000° ,Azm332.0000°; N 0.1200,Plg16.0000°,Azm176.0000°; P -1.1000,Plg7.0000°,Azm84.0000° M_o1.00000×10^{17}

(634) Arctic Ocean

ISC	**X**	**07 10 00 48.1–.52**	**79.830N–.01**	**115.40W–.09**	**8–3**	**5.6b,5.5s**	**2058**	**5-170**
ISCJB	X	07 10 00 45.1–.46	79.846N–.01	115.37W–.08	2–2	5.6b,5.5s		**¶13396303**
BGS	X	07 10 00 45.3–2.4	79.19N	115.45W	10–0	5.5s,5.4b		
BJI	X	07 10 00 45.5	79.80N	115.30W	18	6.0s,5.9b		
OTT	X	07 10 00 46.8–.73	79.54N	115.40W	18	5.7W,5.9b		
IDC	X	07 10 00 46.2–.35	79.83N	115.31W	0	5.5,5.4s		
MOS	X	07 10 00 47.0–.99	79.77N	115.48W	14	5.8b,5.4s		
DJA	X	07 10 00 48	79.69N	116.66W	10	6.3W,5.4s		
NEIC	X	07 10 00 48.1–.09	79.82N	115.45W	10	5.8,5.7W		
GCMT	X	07 10 00 49.9–.10	79.77N	116.02W	12	5.7W,5.7W		
SZGRF	X	07 10 00 51.4	79.82N	115.58W	33	5.7b,5.2s		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.3km az=14.1.
BGS Error ellipse: s-maj=329.0km s-min=999.9km az=-1.0.
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0. Arctic Ocean. 264km northwest from Isachsen, Nu.
IDC Error ellipse: s-maj=11.9km s-min=9.7km az=104.0.
MOS Error ellipse: s-maj=21.8km s-min=2.8km az=86.3.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.8km az=112.0. Complex earthquake observed on broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s129 Moment tensor: Scale 10^{17}Nm; M_{rr}1.34 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-0.47 $M_{r\theta}$1.73 $M_{\theta\phi}$-0.14 $M_{\phi r}$1.96 Best double couple: NP1:ϕ_s44.00000°,δ79.00000°,λ86.00000°. NP2:ϕ_s245.00000°,δ12.00000°,λ111.00000°. Principal axes: T 3.1000,Plg55.0000° ,Azm308.0000°; N -0.5500,Plg4.0000°,Azm44.0000°; P -2.5600,Plg33.0000°,Azm137.0000° M_o2.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=119, comp=266, per= 50. Moment Tensor Solution. s110,c230; s86,c108; Moment tensor: Scale 10^{17}Nm; M_{rr}4.61±.04 $M_{\theta\theta}$-1.72±.04; $M_{\phi\phi}$-2.89±.04; $M_{r\theta}$1.48±.11; $M_{\theta\phi}$-2.38±.03; $M_{\phi r}$1.12±.11; Best double couple: NP1:ϕ_s212.00000°,δ35.00000°,λ81.00000°. NP2:ϕ_s44.00000°,δ56.00000°,λ96.00000°. Principal axes: T 4.9900,Plg78.0000°,Azm336.0000°; N 0.1000,Plg5.0000°,Azm220.0000° ; P -5.0900,Plg11.0000°,Azm129.0000° M_o5.00000×10^{17}
SZGRF Arctic Ocean.

(2) Southern Alaska

ISC	**X**	**08 09 53 03.1–.55**	**60.70N–.02**	**143.86W–.03**	**15–3**	**5.3b,4.7s**	**1053**	**0-167**
BGS	X	08 09 52 56.5–1.8	60.35N	145.96W	10–0	5.7b,4.7s		**¶11339743**
BJI	X	08 09 53 00.0	60.79N	144.36W	7	5.2s,5.2b		
MOS	X	08 09 53 00.7–.85	60.73N	143.81W	11	5.6b,4.7s		
IDC	X	08 09 53 00.2–.36	60.65N	143.75W	0	5.2,5.2b		
ISCJB	X	08 09 53 01.9–.46	60.72N–.02	143.83W–.03	19–3	5.3b,4.7s		
NEIC	X	08 09 53 01.6	60.71N	143.72W	8	5.4b,5.4L		
PGC	X	08 09 53 04.7–11	60.67N	143.37W	10	5.5L,5.1W		
DJA	X	08 09 53 05	59.98N	145.44W	29	5.5b,5.1W		
GCMT	X	08 09 53 05.1–.20	60.83N	143.83W	20–1	5.2W,5.1W		
SZGRF	X	08 09 53 13.0	61.63N	143.60W	14	5.9b,4.4s		

ISC Event type fe.
BGS Error ellipse: s-maj=284.1km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=3.2km az=94.1.
IDC Error ellipse: s-maj=10.0km s-min=7.1km az=42.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=37.4.
NEIC Event type fe. Felt [III] at Copper Center. Also felt at Anchorage, Cordova and Valdez. After AEIC. Moment Tensor Solution. M_o6.80000×10^{16} Moment Tensor Solution. M_o5.60000×10^{16}
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0. 168km east of Valdez, Ak Southern Alaska.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s58,c79; s97,c153; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.25±.21 $M_{\theta\theta}$0.80±.15; $M_{\phi\phi}$2.45±.15; $M_{r\theta}$5.29±.43; $M_{\theta\phi}$-3.78±.10; $M_{\phi r}$-0.42±.26; Best double couple: NP1:ϕ_s173.00000°,δ35.00000°,λ-29.00000°. NP2:ϕ_s287.00000°,δ74.00000°,λ-122.00000°. Principal axes: T 7.0300,Plg22.0000° ,Azm41.0000°; N 0.2300,Plg30.0000°,Azm297.0000°; P -7.2600,Plg51.0000°,Azm162.0000° M_o7.10000×10^{16}
SZGRF Southern Alaska, United States.

(306) Xizang

ISC	**X**	**08 14 07 15.4–.58**	**29.77N–.02**	**90.34E–.01**	**2–3**	**5.3b,5.0s**	**919**	**1-161**
ISCJB	X	08 14 07 14.8–.10	29.74N–.02	90.32E–.02	11	5.3b,5.0s		**¶13396405**
IDC	X	08 14 07 14.8–.33	29.79N	90.41E	0	5.1,5.1		
MOS	X	08 14 07 15.5–.94	29.69N	90.32E	18	5.7b,4.9s		
BJI	X	08 14 07 16.9	29.96N	90.59E	11	5.6s,5.6b		
SZGRF	X	08 14 07 16.7	29.17N	90.68E	33	5.5b,4.9s		
LDG	X	08 14 07 16.9–.39	30.20N	89.98E	10–0	5.7b,4.7s		
NEIC	X	08 14 07 16.3–.11	29.76N	90.33E	9	5.6b,5.5		
DMN	X	08 14 07 19.2–1.1	30.14N	90.28E	2–0	5.5L,5.5		
DJA	X	08 14 07 20	29.73N	90.54E	27	5.2b,5.5		
GCMT	X	08 14 07 22.4–.10	29.76N	90.57E	15–0	5.5W,5.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=17.8.
IDC Error ellipse: s-maj=10.2km s-min=6.5km az=53.0.
MOS Error ellipse: s-maj=6.5km s-min=3.2km az=125.7.
SZGRF Xizang.
LDG Event type ke. Error ellipse: s-maj=18.3km s-min=4.7km az=137.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=27.0. Felt at Lhasa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s210.00000° ,δ60.00000°,λ-90.00000°. NP2:ϕ_s30.00000°,δ30.00000°,λ-90.00000°. Principal axes: T Plg15.0000°,Azm300.0000°; N Plg0.0000°,Azm0.0000°; P Plg75.0000°,Azm120.0000° Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.63 $M_{\theta\theta}$0.67 $M_{\phi\phi}$0.96 $M_{r\theta}$-0.08 $M_{\theta\phi}$0.26 $M_{\phi r}$0.06 Best double couple: NP1:ϕ_s33.00000°,δ45.00000°,λ-86.00000°. NP2:ϕ_s208.00000°,δ45.00000°,λ-94.00000°. Principal axes: T 1.1200,Plg0.0000° ,Azm300.0000°; N 0.5200,Plg2.0000°,Azm210.0000°; P -1.6400,Plg87.0000°,Azm35.0000° M_o1.40000×10^{17}
DMN Event type ke. Error ellipse: s-maj=26.6km s-min=20.8km az=176.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 96, comp=193, per= 50. Moment Tensor Solution. s63,c113; s34,c37; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84±.03 $M_{\theta\theta}$-0.44±.03; $M_{\phi\phi}$1.28±.03; $M_{r\theta}$-0.49±.05; $M_{\theta\phi}$1.43±.03; $M_{\phi r}$0.49±.05; Best double couple: NP1:ϕ_s69.00000°,δ62.00000°,λ-25.00000°. NP2:ϕ_s171.00000°,δ68.00000°,λ-150.00000°. Principal axes: T 2.1000,Plg4.0000°,Azm299.0000°; N -0.3500,Plg53.0000°,Azm204.0000° ; P -1.7500,Plg37.0000°,Azm32.0000° M_o1.90000×10^{17}

(249) Luzon

ISC	**X**	**08 19 09 24.4–.14**	**13.08N–.01**	**124.47E–.02**	**10**	**5.1b,4.8s**	**468**	**1-167**
ISCJB	X	08 19 09 22.8–.14	13.11N–.01	124.46E–.02	10	5.1b,4.8s		**¶13396431**
DJA	X	08 19 09 22	13.75N	124.34E	10	5.4b,4.8s		
IDC	X	08 19 09 22.2–.37	13.00N	124.36E	0	4.9,4.9		
MAN	X	08 19 09 25	13.07N	124.38E	18	5.9b,5.5s		
BJI	X	08 19 09 26.4	13.03N	124.45E	42	5.4b,5.1s		
MOS	X	08 19 09 26.1–.99	13.02N	124.38E	38	5.5b,4.8s		
GCMT	X	08 19 09 27.0–.10	13.09N	124.42E	27–0	5.4W,4.8s		
NEIC	X	08 19 09 28.5–.53	12.98N	124.36E	44–4	5.2b,4.8s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=179.4.
IDC Error ellipse: s-maj=13.5km s-min=9.9km az=68.0.
MAN Event type fe. INTENSITY V - LEGASPI CITY; SORSOGON CITY; IROSIN SORSOGON; INTENSITY IV - PANGANIBAN.
MOS Error ellipse: s-maj=8.9km s-min=5.1km az=117.2.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s83,c143; s97,c197; Moment tensor: Scale 10^{17}Nm; M_{rr}0.31±.02 $M_{\theta\theta}$0.59±.02; $M_{\phi\phi}$-0.90±.02; $M_{r\theta}$0.70±.04; $M_{\theta\phi}$1.01±.02; $M_{\phi r}$0.22±.04; Best double couple: NP1:ϕ_s14.00000°,δ65.00000°,λ160.00000°. NP2:ϕ_s112.00000°,δ72.00000°,λ26.00000°. Principal axes: T 1.5300,Plg31.0000° ,Azm335.0000°; N -0.1200,Plg59.0000°,Azm145.0000°; P -1.4200,Plg4.0000° ,Azm242.0000° M_o1.50000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.5km az=81.0. Felt [V PIVS] at Irosin, Legaspi and Sorsogon, Luzon. Felt [IV PIVS] at Catarman and [III PIVS] at Borongan, Catbalogan and Naga, Samar. Also felt [IV PIVS] at Panganiban and Virac, Catanduanes.

(691) Pacific-Antarctic Ridge

ISC	**X**	**09 01 23 19.4–.39**	**55.1S–.10**	**130.6W–.10**	**10**	**4.7b,4.6s**	**55**	**32-173**
IDC	X	09 01 23 17.1–.47	54.81S	130.64W	0	4.7,4.7		**¶11342414**
ISCJB	X	09 01 23 17.6–.39	55.1S–.10	130.5W–.10	10	4.7b,4.6s		
MOS	X	09 01 23 19.4–2.8	55.24S	130.74W	10	5.3b,4.6s		
NEIC	X	09 01 23 19.1–.39	54.79S	130.68W	10	5.0b,4.6s		
BJI	X	09 01 23 21.5	54.90S	130.70W	10	5.5b,5.4s		
GCMT	X	09 01 23 25.1–.10	54.91S	130.64W	20–1	5.3W,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=14.7km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=10.1km az=169.4.
MOS Error ellipse: s-maj=33.1km s-min=23.9km az=55.6.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=12.2km az=163.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s69,c110; s98,c153; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s109.00000°,δ70.00000°,λ-3.00000°. NP2:ϕ_s200.00000° ,δ87.00000°,λ-160.00000°. Principal axes: T 1.0500,Plg12.0000°,Azm333.0000° ; N -0.0700,Plg70.0000°,Azm207.0000°; P -0.9800,Plg16.0000°,Azm66.0000° M_o1.00000×10^{17}

(173) Tonga Islands

ISC	**X**	**09 17 50 00.2–3.0**	**21.07S–.04**	**174.40W–.03**	**16–18**	**5.5s,5.5b**	**689**	**8-178**
ISCJB	X	09 17 49 56.9–2.8	21.06S–.04	174.44W–.03	5–17	5.5b,5.5s		**¶11342440**
IDC	X	09 17 49 57.2–.39	21.08S	174.40W	0	5.4,5.4s		
NEIC	X	09 17 49 58.6–.13	21.03S	174.42W	10	5.9W,5.8b		
BGS	X	09 17 49 59.5–5.6	21.03S	174.42W	10–0	5.8b,5.8b		

SZGRF	X	09 17 50 01.9	21.48S	174.06W	33	5.8b,5.8b	
BJI	X	09 17 50 01.8	20.82S	174.02W	40	6.0b,5.7s	
MOS	X	09 17 50 02.3–1.2	20.78S	174.39W	33	5.9b,5.5s	
DJA	X	09 17 50 04	21.54S	175.28W	10	5.4b,5.5s	
GCMT	X	09 17 50 04.3–.10	21.22S	173.81W	18–0	5.9W,5.5s	

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.7km az=156.8.
IDC Error ellipse: s-maj=15.5km s-min=12.6km az=143.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.8km az=151.0. Moment Tensor Solution. s65 Moment tensor: Scale 10^{17}Nm; M_{rr}3.67 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-2.46 $M_{r\theta}$0.40 $M_{\theta\phi}$-1.08 $M_{\phi r}$1.96 Best double couple: NP1:ϕ_s22.00000°,δ60.00000°,λ83.00000°. NP2:ϕ_s216.00000° ,δ31.00000°,λ102.00000°. Principal axes: T 4.2400,Plg73.0000°,Azm273.0000° ; N -0.6600,Plg6.0000°,Azm25.0000°; P -3.5900,Plg14.0000°,Azm116.0000° $M_0$4.00000×10^{17} Moment Tensor Solution. $M_0$1.50000×10^{18}
BGS Error ellipse: s-maj=762.3km s-min=999.9km az=-1.0.
SZGRF Tonga Islands.
MOS Error ellipse: s-maj=9.5km s-min=8.0km az=69.2.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=121, comp=274, per= 50. Moment Tensor Solution. s105,c223; s79,c102; Moment tensor: Scale 10^{17}Nm; M_{rr}6.28±.06 $M_{\theta\theta}$-0.27±.04; $M_{\phi\phi}$-6.01±.05; $M_{r\theta}$2.04±.11; $M_{\theta\phi}$-2.21±.03; $M_{\phi r}$3.96±.11; Best double couple: NP1:ϕ_s193.00000°,δ28.00000°,λ81.00000°. NP2:ϕ_s24.00000°,δ62.00000°,λ95.00000°. Principal axes: T 7.6800,Plg72.0000°,Azm305.0000°; N 0.4300,Plg4.0000°,Azm201.0000° ; P -8.1200,Plg17.0000°,Azm110.0000° $M_0$7.90000×10^{17}

(273) Southwest of Sumatera

ISC	**X**	**10 18 49 55.8–.45**	**6.27S–.04**	**98.11E–.03**	**35**	**4.2b,3.5s**	**84**	**5-149**
NEIC	X	10 18 49 48.9–3.5	6.49S	97.93E	2–22	4.4b,3.5s		¶11344610
IDC	X	10 18 49 49.1–1.0	6.48S	97.96E	0	4.1,3.9		
ISCJB	X	10 18 49 53.3–.45	6.25S–.04	98.09E–.03	33	4.2b,3.5s		
DJA	X	10 18 50 03.4–.60	6S–4.0	98E–4.0	168–22	5.6b,5.5		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

(337) Eastern Caucasus

ISC	**X**	**11 09 06 10.4–.30**	**43.42N–.01**	**46.34E–.01**	**12–1**	**5.6s,5.6b**	**2768**	**0-160**
BGS	X	11 09 05 53.8–2.0	42.13N	48.51E	17–0	5.2b,5.6b		¶13396641
IDC	X	11 09 06 07.5–.34	43.21N	46.29E	0	5.5s,5.5		
ISCJB	X	11 09 06 08.5–.30	43.40N–.01	46.32E–.01	9–1	5.6s,5.6b		
BJI	X	11 09 06 08.8	43.40N	46.30E	16	6.0s,5.9		
MOS	X	11 09 06 09.0–1.6	43.46N	46.34E	14	5.7b,5.6s		
CSEM	X	11 09 06 09.8–.05	43.42N	46.31E	10	5.7b,5.6W		
PDA	X	11 09 06 10.7	43.37N	46.25E	16	5.6b,5.6W		
TEH	X	11 09 06 10.0	43.29N	46.30E	10	5.6b,5.6W		
NEIC	X	11 09 06 10.8–.11	43.37N	46.25E	16	5.7W,5.6b		
SZGRF	X	11 09 06 10.7	43.31N	46.65E	33	5.8b,5.4s		
GCMT	X	11 09 06 15.9–.10	43.40N	46.19E	13–0	5.8W,5.4s		
DJA	X	11 09 06 21	42.71N	46.80E	71	5.8W,5.4s		
NNC	X	11 09 06 23.4–7.8	44.00N	47.05E	64–72	5.6b,5.4s		

ISC Event type de.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=7.7km az=147.0.
ISCJB Event type de. Error ellipse: s-maj=1.8km s-min=1.2km az=17.0.
MOS Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=35.7. Fault plane solution: P-wave C79, D33 . Felt (VII-VIII) at Kurchaloy, Mayrtup, Bachi-Yurt; (VII) at Alleroy, Dzhugurta, Centora-Yurt, Noybera, Oyskhara, Kadi-Yurt, Mel'chhi, Ilaskhan-Yurt, Geldagana; (VI-VII) at Gudermes; (VI) at Cocin-Yurt, Darbankhi, Braguny, Koshkel'dy, Gerzel'-Aul, Azamat-Yurt, Shelkovskaya, Staroshedrinskaya, Tukhchar, Ishkhoy-Yurt, Gamiyakh, Meskety, Nozhay-Yurt, Gilyany, Regita, Akhkinchu-Borzoy, Marzoy-Mohk, Ca-Vedeno, Agishty, Shali, Chiri-Yurt, Chechen-Aul, Mesker-Yurt, Argun, Kizlyar, Novolakskoye; (V) at Dylym, Grozny, Alkhan-Kala, Petropavlovskaya, Zandak, Benoy, Tolsyoy-Yurt, Novoshedrinskaya, Chervl'enaya, Dyshne-Vedeno, Makhkety, Duba-Yurt, Urus-Martan, Goyty, Achkhoy-Martan, Sernovodsk, Pervomayskaya, Znamenskoye, Naurskaya, Starogladkovskaya, Kargalinskaya, Hasavyurt; (IV-V) at Uchkeken, Vodovod, Kumukh; (IV) at Terek, Vedi; (III-IV) at Georgievsk, Gofitskoye, Mozdok, Nalchyk, Svetlograd, Vladikavkaz, Pyatigorsk, Ardon, Makhachkala, Tbilisi; (III) at Sunzha, Lars, Tyrnyauz, Terskol', El'brusskoye, Zakukokoazhe, Fiagdon, Mikhaylovskoye; (II-III) at Derbent, Stavropol', Mekhel'ta, Armavir. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s54.00000°,δ51.00000°,λ53.00000°. NP2: ϕ_s284.00000°,δ51.00000°,λ127.00000°. Principal axes: T Plg62.0000°,Azm259.0000° ; N Plg28.0000°,Azm79.0000°; P Plg0.0000°,Azm349.0000°
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=19.0.
NEIC Event type de. Error ellipse: s-maj=3.1km s-min=2.1km az=180.0. Thirteen people killed, more than 100 injured and 1,027 buildings damaged in Chechnya. Felt in Dagestan, Ingushetiya, Severnaya Osetiya-Alaniya and Stavropol'skiy Kray. Also felt at Krasnodar. Felt [IV] at Tbilisi, Georgia. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s270.00000°,δ60.00000°,λ90.00000°. NP2: ϕ_s90.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000°,Azm180.0000° ; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm360.0000° Moment Tensor Solution. s107 Moment tensor: Scale 10^{17}Nm; M_{rr}3.66 $M_{\theta\theta}$-3.41 $M_{\phi\phi}$-0.25 $M_{r\theta}$-0.96 $M_{\theta\phi}$0.22 $M_{\phi r}$0.35 Best double couple: NP1:ϕ_s278.00000°,δ53.00000°,λ95.00000°. NP2:ϕ_s90.00000° ,δ37.00000°,λ84.00000°. Principal axes: T 3.8100,Plg81.0000°,Azm211.0000° ; N -0.2500,Plg3.0000°,Azm95.0000°; P -3.5600,Plg7.0000°,Azm4.0000° $M_0$3.70000×10^{17}
SZGRF Eastern Caucasus.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=102, comp=227, per= 50. Moment Tensor Solution. s100,c204; s55,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}5.89±.07 $M_{\theta\theta}$-6.72±.07; $M_{\phi\phi}$0.82±.06; $M_{r\theta}$-0.95±.15; $M_{\theta\phi}$0.21±.05; $M_{\phi r}$1.40±.16; Best double couple: NP1:ϕ_s78.00000°,δ42.00000°,λ69.00000°. NP2:ϕ_s285.00000°,δ51.00000°,λ108.00000°. Principal axes: T 6.3100,Plg75.0000°,Azm255.0000°; N 0.4900,Plg14.0000°,Azm94.0000° ; P -6.8100,Plg5.0000°,Azm2.0000° $M_0$6.60000×10^{17}
NNC Error ellipse: s-maj=61.9km s-min=38.3km az=133.0.

(90) Puerto Rico region

ISC	**X**	**11 10 40 14.7–.07**	**19.19N–.01**	**64.83W–.01**	**26**	**5.9b,5.9s**	**1625**	**1-175**
LDG	X	11 10 40 08.8–.30	19.20N	65.02W	10–0	6.0b,5.5s		¶13396673
IDC	X	11 10 40 09.9–.27	19.16N	64.88W	0	5.7s,5.7		
MOS	X	11 10 40 12.1–.89	19.15N	64.80W	24	6.1b,5.8s		
ISCJB	X	11 10 40 12.8–.07	19.23N–.01	64.80W–.01	25	5.9b,5.9s		
SZGRF	X	11 10 40 14.9	19.01N	64.54W	27	5.9b,5.6s		
NEIC	X	11 10 40 14.1–.08	19.16N	64.83W	23	6.1b,6.1		
TRN	X	11 10 40 15.3	18.85N	64.62W	3	6.1b,6.1		
RSPR	X	11 10 40 16.0	19.28N	64.83W	26–22	5.9,6.1		
DJA	X	11 10 40 16	19.29N	64.40W	21	6.1b,6.1		
GCMT	X	11 10 40 17.7–.10	19.30N	64.83W	30–0	6.1W,6.1		
BGS	X	11 10 40 35.3–1.6	21.96N	63.30W	23–0	5.8b,6.1		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=14.8km s-min=8.0km az=79.0.
IDC Error ellipse: s-maj=10.0km s-min=8.3km az=119.0.
MOS Error ellipse: s-maj=4.7km s-min=4.1km az=135.2.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=3.1.
SZGRF Virgin Islands.
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=178.0. Felt [IV] on Saint Thomas and [III] on Saint John and at Christiansted and Frederiksted, Saint Croix. Also felt [III] on Tortola, British Virgin Islands. Felt [V] at Carolina; [IV] at Caguas, Canovanas, Cayey, Ceiba, Cidra, Culebra, Guaynabo, San Juan and Toa Baja; [III] at Bayamon, Dorado, Fajardo, Gurabo, Humacao, Las Piedras, Luquillo, Mayaguez, Naguabo, Naranjito, Rio Grande and Trujillo Alto; [II] at Morovis, Ponce and Vieques, Puerto Rico. Also felt at Adjuntas, Aguada, Aguas Buenas, Anasco, Arecibo, Catano, Corozal, Hatillo, Juana Diaz, Juncos, Las Marias, Moca, Orocovis, Patillas, Sabana Seca, San Sebastian, Toa Alta, Utuado, Vega Alta, Vega Baja, Yabucoa and Yauco. Felt at Philipsburg, Sint Maarten. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s187.00000°,δ70.00000° ,λ155.00000°. NP2:ϕ_s286.00000°,δ67.00000°,λ22.00000°. Principal axes: T Plg32.0000° ,Azm146.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000°,Azm237.0000° Moment Tensor Solution. s101 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s283.00000°,δ75.00000°,λ22.00000°. NP2:ϕ_s187.00000° ,δ69.00000°,λ164.00000°. Principal axes: T 1.1600,Plg25.0000°,Azm146.0000° ; N -0.0500,Plg63.0000°,Azm315.0000°; P -1.1100,Plg4.0000°,Azm54.0000° $M_0$1.10000×10^{18}
RSPR Event type ke.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=114, comp=274, per= 50. Moment Tensor Solution. s105,c215; s83,c123; Moment tensor: Scale 10^{18}Nm; M_{rr}0.37±.01 $M_{\theta\theta}$0.33±.01; $M_{\phi\phi}$-0.70±.01; $M_{r\theta}$-0.92±.02; $M_{\theta\phi}$1.06±.01; $M_{\phi r}$-0.47±.02; Best double couple: NP1:ϕ_s186.00000°,δ62.00000°,λ155.00000°. NP2:ϕ_s289.00000°,δ68.00000°,λ30.00000°. Principal axes: T 1.7600,Plg37.0000°,Azm149.0000°; N -0.3800,Plg53.0000°,Azm321.0000° ; P -1.3700,Plg4.0000°,Azm56.0000° $M_0$1.60000×10^{18}
BGS Error ellipse: s-maj=497.2km s-min=338.3km az=-1.0.

(177) Kermadec Islands region

ISC	**X**	**11 12 23 28.6–.24**	**30.29S–.04**	**176.92W–.05**	**34**	**5.2b,5.0s**	**190**	**1-172**
ISCJB	X	11 12 23 26.6–.25	30.31S–.03	176.97W–.05	32	5.2b,5.0s		¶11345000
BJI	X	11 12 23 28.6	29.38S	176.52W	35	5.9b,5.5b		
IDC	X	11 12 23 29.7–.49	29.79S	176.92W	33–3	5.0s,5.0		
GCMT	X	11 12 23 29.8–.20	29.73S	176.52W	16–0	5.5W,5.0		
MOS	X	11 12 23 29.8–1.4	29.52S	176.91W	33	5.6b,5.0		
NEIC	X	11 12 23 29.8–.23	29.82S	176.90W	35	5.5b,5.0		
DJA	X	11 12 24 07	30.18S	178.19W	349	4.8b,5.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.0km az=29.7.
IDC Error ellipse: s-maj=15.7km s-min=15.1km az=165.0.
GCMT Event type se. Data Used: II IC G IU CN. Surface waves: sta= 97, comp=163, per= 50. Moment Tensor Solution. s62,c91; s20,c20; Moment tensor: Scale 10^{17}Nm; M_{rr}1.42±.04 $M_{\theta\theta}$-0.12±.03; $M_{\phi\phi}$-1.30±.03; $M_{r\theta}$0.33±.09; $M_{\theta\phi}$-0.31±.02; $M_{\phi r}$1.17±.09; Best double couple: NP1:ϕ_s192.00000°,δ25.00000°,λ88.00000°. NP2:ϕ_s15.00000°,δ66.00000°,λ91.00000°. Principal axes: T 1.8800,Plg69.0000°,Azm287.0000°; N -0.0500,Plg1.0000°,Azm195.0000° ; P -1.8300,Plg21.0000°,Azm104.0000° $M_0$1.90000×10^{17}
MOS Error ellipse: s-maj=21.0km s-min=15.3km az=84.5.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.7km az=161.0.

(273) Southwest of Sumatera

ISC	**X**	**12 06 26 43.0–.41**	**7.42S–.03**	**102.56E–.03**	**33**	**4.2b,4.2s**	**73**	**3-147**
ISCJB	X	12 06 26 40.4–.41	7.45S–.03	102.53E–.03	31	4.2b,4.2s		¶11346063
IDC	X	12 06 26 41.7–1.1	7.73S	102.51E	32–4	4.1s,4.1		
NEIC	X	12 06 26 42.1–.40	7.51S	102.56E	30	4.5b,4.1		
DJA	X	12 06 26 44.9–.40	7S–3.0	103E–3.0	60–19	5.8b,5.5		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(274) Southern Sumatera

ISC	**X**	**12 15 51 05.4–.48**	**4.34S–.04**	**102.34E–.04**	**49–4**	**4.7b**	**117**	**1-147**
ISCJB	X	12 15 51 03.8–.55	4.36S–.04	102.33E–.04	55–5	4.7b		¶11346088
NEIC	X	12 15 51 04.0–.39	4.33S	102.37E	38	4.7b		
DJA	X	12 15 51 03.6–.60	4S–3.0	102E–3.0	16–5	5.6b,5.3		
IDC	X	12 15 51 04.3–.75	4.21S	102.48E	38–5	4.3,4.3L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=3.9km az=43.2.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=7.0km az=56.0. Felt [III] at Bengkulu and Manna; [II] at Kapahiang and Mukomuko.
IDC Error ellipse: s-maj=20.4km s-min=12.0km az=49.0.

(719) Tajikistan-Xinjiang border region

ISC	**X**	**13 09 23 32.4–.77**	**39.54N–.02**	**73.88E–.02**	**17–4**	**4.9b,4.7s**	**662**	**2-153**
SZGRF	X	13 09 23 01.7	38.41N	79.76E	33	5.1b,4.7s		¶13396916
LDG	X	13 09 23 26.1–.26	39.24N	73.99E	10–0	4.9b,4.4s		
IDC	X	13 09 23 29.0–.43	39.50N	73.89E	0	4.8,4.8		
ISCJB	X	13 09 23 31.5–.75	39.50N–.02	73.85E–.02	23–5	4.9b,4.7s		
MOS	X	13 09 23 32.7–1.2	39.55N	73.81E	33	5.1b,4.5s		
GCMT	X	13 09 23 34.5–.30	39.54N	73.88E	21–1	5.1W,4.5s		
BJI	X	13 09 23 35.4	39.74N	74.37E	25	5.2L,5.2b		
NEIC	X	13 09 23 35.1–.20	39.58N	73.86E	35	5.0b,4.7s		
DJA	X	13 09 23 36	39.59N	73.93E	36	5.5b,4.7s		
NNC	X	13 09 23 37.9–6.2	39.94N	73.61E	17–26	5.4,5.3b		

ISC Event type ke.
SZGRF Southern Xinjiang, China.
LDG Event type ke. Error ellipse: s-maj=21.4km s-min=8.7km az=46.0.
IDC Error ellipse: s-maj=9.8km s-min=8.6km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=32.2.
MOS Error ellipse: s-maj=6.2km s-min=3.9km az=124.1.
GCMT Event type se. Data Used: IU IC CN II G. Moment Tensor Solution. s36,c45; s85,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}0.63±.20 $M_{\theta\theta}$-5.36±.18; $M_{\phi\phi}$4.73±.16; $M_{r\theta}$1.34±.31; $M_{\theta\phi}$-1.20±.15; $M_{\phi r}$-0.98±.32; Best double couple: NP1:ϕ_s218.00000°,δ72.00000°,λ2.00000°. NP2:ϕ_s128.00000°,δ88.00000°,λ162.00000°. Principal axes: T 5.1600,Plg14.0000° ,Azm82.0000°; N 0.5800,Plg72.0000°,Azm301.0000°; P -5.7400,Plg11.0000°,Azm174.0000° $M_0$5.50000×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.0km az=180.0.
NNC Error ellipse: s-maj=40.1km s-min=14.7km az=2.0.

(173) Tonga Islands

ISC	**X**	**13 12 07 49.9–1.9**	**21.38S–.06**	**174.59W–.06**	**60–17**	**5.0b**	**165**	**8-171**
ISCJB	X	13 12 07 47.1–2.0	21.39S–.06	174.59W–.06	50–17	5.0b,4.6s		¶11346475
GCMT	X	13 12 07 47.6–.30	21.44S	173.77W	28–1	5.0W,4.6s		
NEIC	X	13 12 07 47.5–.24	21.19S	174.64W	39	5.2b,4.6s		
MOS	X	13 12 07 48.0–1.4	21.11S	174.64W	33	5.3b,4.6s		
IDC	X	13 12 07 49.8–3.4	21.42S	174.54W	65–29	4.5,4.5		
BJI	X	13 12 07 50.7	21.00S	174.70W	46	5.5b,5.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.5km az=145.5.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s42,c58; s65,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}3.26±.17 $M_{\theta\theta}$-0.27±.12; $M_{\phi\phi}$-2.99±.11; $M_{r\theta}$1.39±.23; $M_{\theta\phi}$-1.27±.09; $M_{\phi r}$2.66±.17; Best double couple: NP1:ϕ_s197.00000°,δ24.00000°,λ82.00000°. NP2:ϕ_s26.00000°,δ66.00000°,λ94.00000°. Principal axes: T 4.4100,Plg69.0000° ,Azm303.0000°; N 0.2100,Plg3.0000°,Azm204.0000°; P -4.6200,Plg21.0000°,Azm113.0000° $M_0$4.50000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.3km az=139.0.
MOS Error ellipse: s-maj=14.8km s-min=10.6km az=60.5.
IDC Error ellipse: s-maj=20.0km s-min=12.6km az=145.0.

(719) Tajikistan-Xinjiang border region

ISC	**X**	**13 16 05 26.6–.29**	**39.49N–.02**	**73.85E–.02**	**47–2**	**5.2b,4.8s**	**1234**	**2-153**
LDG	X	13 16 05 17.6	39.34N	74.00E	10	5.2b,4.8s		¶13396940
IDC	X	13 16 05 19.7–.39	39.44N	73.87E	0	5.1,5.1		
SZGRF	X	13 16 05 21.6	39.56N	74.53E	33	5.3b,4.9s		
BJI	X	13 16 05 22.9	39.68N	73.79E	32	5.3b,5.2s		
ISCJB	X	13 16 05 23.8–.34	39.45N–.02	73.81E–.02	38–3	5.2b,4.8s		
MOS	X	13 16 05 23.5–.96	39.59N	73.86E	33	5.4b,4.8s		
NNC	X	13 16 05 24.4–1.9	39.68N	73.68E	0	5.6b,5.5		
NEIC	X	13 16 05 25.0–.12	39.50N	73.81E	35	5.2b,5.0W		
GCMT	X	13 16 05 25.0–.20	39.50N	73.69E	12	5.2W,5.0W		
DJA	X	13 16 05 27	39.46N	73.92E	44	5.5b,5.0W		
BGS	X	13 16 05 31.6–1.6	40.51N	73.40E	33–0	5.1b,5.0W		

ISC Event type fe.
LDG Event type ke.
IDC Error ellipse: s-maj=9.7km s-min=8.5km az=113.0.
SZGRF Southern Xinjiang, China.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=22.3.
MOS Error ellipse: s-maj=5.6km s-min=3.1km az=131.9.
NNC Error ellipse: s-maj=17.2km s-min=8.5km az=9.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=189.0. Felt at Murghob, Tajikistan. Moment Tensor Solution. $M_0$3.40000×10^{16}
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s48,c73; s81,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}3.45±.14 $M_{\theta\theta}$-4.59±.11; $M_{\phi\phi}$1.14±.13; $M_{r\theta}$4.55±.34; $M_{\theta\phi}$-4.27±.11; $M_{\phi r}$-0.34±.42; Best double couple: NP1:ϕ_s205.00000°,δ40.00000°,λ29.00000°. NP2:ϕ_s92.00000°,δ72.00000°,λ126.00000°. Principal axes: T 6.5000,Plg50.0000° ,Azm42.0000°; N 1.7100,Plg34.0000°,Azm259.0000°; P -8.2000,Plg19.0000°,Azm156.0000° $M_0$7.40000×10^{16}
BGS Error ellipse: s-maj=448.8km s-min=656.7km az=-1.0.

(717) Afghanistan-Tajikistan border region

ISC	**X**	**13 17 16 11.6–.61**	**38.63N–.02**	**70.37E–.02**	**18–3**	**5.2b,5.0s**	**962**	**4-153**
BJI	X	13 17 16 07.9	38.83N	70.17E	14	5.7L,5.5b		¶13396943
IDC	X	13 17 16 08.2–.44	38.56N	70.39E	0	5.1,5.1		
ISCJB	X	13 17 16 08.0–.57	38.59N–.02	70.37E–.02	7–3	5.2b,5.0s		
NEIC	X	13 17 16 10.0–.14	38.56N	70.34E	10	5.3b,4.9s		
NNC	X	13 17 16 11.2–1.5	38.83N	69.99E	4–7	6.0,5.9b		
MOS	X	13 17 16 12.0–1.0	38.71N	70.38E	33	5.4b,5.0s		
GCMT	X	13 17 16 14.4–.20	38.80N	70.10E	22–0	5.2W,5.0s		
DJA	X	13 17 16 17	38.47N	70.74E	43	5.6W,5.0s		
SZGRF	X	13 17 16 37.6	41.28N	68.36E	33	4.9b,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=11.3km s-min=9.4km az=155.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=20.8.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=189.0. Felt at Dushanbe.

NNC Error ellipse: s-maj=9.9km s-min=5.9km az=3.0.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=130.1.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s68,c117; s78,c152; Moment tensor: Scale 10^{16}Nm; M_{rr}5.89±.17 $M_{\theta\theta}$-0.61±.13; $M_{\phi\phi}$-5.28±.12; $M_{r\theta}$0.43±.22; $M_{\theta\phi}$-3.12±.09; $M_{\phi r}$-6.36±.25; Best double couple: NP1:ϕ_s47.00000°,δ28.00000°,λ128.00000°. NP2:ϕ_s186.00000°,δ68.00000°,λ72.00000°. Principal axes: T 9.0700,Plg62.0000° ,Azm68.0000°; N -0.0500,Plg17.0000°,Azm192.0000°; P -9.0200,Plg21.0000° ,Azm289.0000° M_o9.10000×10^{16}
SZGRF Central Kazakhstan.

(69) Near coast of Chiapas

ISC	**X**	**16 19 43 40.3–.80**	**14.27N–.06**	**92.85W–.04**	**39–5**	**5.6b**	**121**	**1-159**
IDC	X	16 19 43 34.3–.63	14.38N	92.28W	0	6.4s,6.4		**¶12068827**
NEIC	X	16 19 43 37.4–3.8	14.26N	92.55W	23–24	5.8b,6.4		
ISCJB	X	16 19 43 39.1–.82	14.26N–.06	92.87W–.04	47–5	5.6b,6.4		
MEX	X	16 19 43 40.1–.98	14.21N	92.89W	20–58	4.8,6.4		
CASC	X	16 19 43 43.3–4.8	14.53N	92.46W	0–57	5.8b,5.0		

ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=18.1km az=53.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.1km az=192.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=5.1km az=24.2.
MEX Error ellipse: s-maj=9.6km s-min=8.2km az=-1.0.
CASC Error ellipse: s-maj=64.9km s-min=136.6km az=-1.0.

(173) Tonga Islands

ISC	**X**	**19 05 10 34.4–.88**	**21.88S–.02**	**173.80W–.02**	**31–6**	**7.0s,6.7b**	**746**	**8-179**
NOU	X	19 05 09 31.5–.79	16.89S	168.72W	5–999	7.0s,6.7b		**¶11360248**
IDC	X	19 05 10 29.6–.27	21.84S	173.92W	0	6.8,6.8		
BJI	X	19 05 10 31.6	21.32S	173.35W	21	7.2b,7.0s		
DJA	X	19 05 10 32	21.97S	173.86W	10	7.4W,7.0s		
ISCJB	X	19 05 10 32.5–.88	21.88S–.02	173.85W–.02	30–6	7.0s,6.7b		
SZGRF	X	19 05 10 32.2	22.86S	173.42W	33	7.4b,6.7b		
MOS	X	19 05 10 33.1–.75	21.79S	173.92W	33	7.1b,7.0s		
NEIC	X	19 05 10 33.9–.08	21.86S	173.82W	29	7.0s,6.9W		
GCMT	X	19 05 10 40.5–.00	21.82S	173.56W	43–0	6.9W,6.9W		

ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=11.7km s-min=9.5km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.9km az=144.0.
SZGRF Tonga Islands region.
MOS Error ellipse: s-maj=9.5km s-min=6.3km az=50.9.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=148.0. Felt [IV] at Nuku'alofa. Also felt at Ohonua, Tofoa and Vaini. Two events about 2 seconds apart. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from CMT mechanism. Moment Tensor Solution. s98 Moment tensor: Scale 10^{19}Nm; M_{rr}2.09 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-1.87 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.78 $M_{\phi r}$-0.43 Best double couple: NP1:ϕ_s190.00000° ,δ50.00000°,λ74.00000°. NP2:ϕ_s34.00000°,δ43.00000°,λ108.00000°. Principal axes: T 2.2100,Plg77.0000°,Azm37.0000°; N -0.0100,Plg12.0000°,Azm200.0000° ; P -2.2000,Plg3.0000°,Azm290.0000° M_o2.20000×10^{19} Moment Tensor Solution. M_o4.30000×10^{19}
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 115 sta. Surface waves: sta=123, comp=314, per= 50. Moment Tensor Solution. s122,c320; s99,c281; Moment tensor: Scale 10^{19}Nm; M_{rr}2.75±.01 $M_{\theta\theta}$-0.03±.01; $M_{\phi\phi}$-2.72±.01; $M_{r\theta}$0.32±.01; $M_{\theta\phi}$-0.77±.01; $M_{\phi r}$0.05±.01; Best double couple: NP1:ϕ_s189.00000°,δ44.00000° ,λ81.00000°. NP2:ϕ_s21.00000°,δ47.00000°,λ99.00000°. Principal axes: T 2.7900,Plg84.0000°,Azm3.0000°; N 0.1400,Plg6.0000°,Azm195.0000° ; P -2.9300,Plg1.0000°,Azm105.0000° M_o2.90000×10^{19}

(173) Tonga Islands

ISC	**X**	**19 12 55 04.8–1.5**	**22.08S–.03**	**173.68W–.03**	**29–10**	**5.7b,5.2s**	**537**	**8-179**
IDC	X	19 12 55 00.1–.39	21.97S	173.68W	0	5.5,5.5b		**¶11360270**
ISCJB	X	19 12 55 01.6–1.5	22.04S–.04	173.72W–.03	18–10	5.7b,5.2s		
SZGRF	X	19 12 55 04.0	22.57S	173.67W	33	5.4b,5.2s		
BJI	X	19 12 55 04.0	21.69S	173.46W	31	5.8b,5.7b		
NEIC	X	19 12 55 05.7–.08	21.97S	173.70W	35	5.7b,5.5W		
MOS	X	19 12 55 05.8–.76	21.62S	173.63W	33	5.9b,5.2s		
BGS	X	19 12 55 06.3–6.2	21.97S	173.30W	33–0	5.7b,5.2s		
DJA	X	19 12 55 06	21.97S	174.01W	21	6.2W,5.2s		
GCMT	X	19 12 55 06.4–.10	22.01S	173.40W	28–0	5.6W,5.2s		

ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=12.5km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.4km az=154.3.
SZGRF Tonga Islands region.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.7km az=148.0. Moment Tensor Solution. s90 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.90 $M_{\theta\theta}$0.53 $M_{\phi\phi}$1.37 $M_{r\theta}$0.42 $M_{\theta\phi}$1.61 $M_{\phi r}$0.87 Best double couple: NP1:ϕ_s210.00000°,δ57.00000°,λ-99.00000°. NP2:ϕ_s47.00000° ,δ34.00000°,λ-76.00000°. Principal axes: T 2.8000,Plg11.0000°,Azm307.0000° ; N -0.6900,Plg7.0000°,Azm215.0000°; P -2.1200,Plg76.0000°,Azm91.0000° M_o2.50000×10^{17}
MOS Error ellipse: s-maj=11.7km s-min=7.9km az=74.1.
BGS Error ellipse: s-maj=588.3km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=207, per= 50. Moment Tensor Solution. s88,c165; s9,c9; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.92±.05 $M_{\theta\theta}$0.46±.03; $M_{\phi\phi}$2.47±.04; $M_{r\theta}$0.31±.07; $M_{\theta\phi}$1.32±.03; $M_{\phi r}$0.77±.06; Best double couple: NP1: ϕ_s28.00000°,δ37.00000°,λ-88.00000°. NP2:ϕ_s205.00000°,δ53.00000°,λ-92.00000°. Principal axes: T 3.2300,Plg8.0000°,Azm296.0000°; N -0.1900,Plg1.0000°,Azm206.0000° ; P -3.0300,Plg82.0000°,Azm107.0000° M_o3.10000×10^{17}

(150) Scotia Sea

ISC	**X**	**20 03 39 17.6–.32**	**60.60S–.05**	**52.1W–.10**	**10**	**4.8b,4.2s**	**60**	**7-163**
IDC	X	20 03 39 14.8–.50	60.62S	51.72W	0	5.0L,4.6		**¶11360302**
ISCJB	X	20 03 39 15.8–.32	60.58S–.05	52.0W–.10	10	4.8b,4.2s		
NEIC	X	20 03 39 16.9–.33	60.54S	51.86W	10	5.2b,4.2s		
BJI	X	20 03 39 18.5	60.50S	51.40W	10	5.6s,5.3b		

ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=16.4km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.4km az=151.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.0km az=68.0.

(59) Guerrero

ISC	**X**	**20 05 01 01.8–.22**	**17.35N–.03**	**101.06W–.02**	**10**	**5.1b,4.7s**	**895**	**0-152**
IDC	X	20 05 00 59.8–.52	17.45N	101.04W	0	4.9,4.9		**¶11360307**
ISCJB	X	20 05 01 00.4–.22	17.40N–.03	101.05W–.02	10	5.1b,4.7s		
MEX	X	20 05 01 02.2–.53	17.17N	101.37W	21–11	5.0,4.7s		
MOS	X	20 05 01 03.8–.93	17.50N	100.84W	33	5.3b,4.7s		
NEIC	X	20 05 01 04.6–.22	17.46N	101.00W	26	5.1b,5.1		
BJI	X	20 05 01 05.3	17.70N	100.90W	25	5.9b,5.2s		
GCMT	X	20 05 01 09.9–.40	17.43N	100.95W	29–0	5.2W,5.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=10.8km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=1.9km az=32.6.
MEX Error ellipse: s-maj=3.8km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=10.7km s-min=4.9km az=97.1.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.5km az=214.0. Felt at Ixtapa, Mexico and Zihuatanejo.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s35,c47; s58,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}7.43±.44 $M_{\theta\theta}$-5.38±.26; $M_{\phi\phi}$-2.05±.26; $M_{r\theta}$3.66±.34; $M_{\theta\phi}$2.15±.17; $M_{\phi r}$-1.29±.44; Best double couple: NP1:ϕ_s298.00000°,δ31.00000°,λ95.00000°. NP2:ϕ_s113.00000°,δ60.00000°,λ87.00000°. Principal axes: T 8.4500,Plg75.0000° ,Azm16.0000°; N -1.0100,Plg2.0000°,Azm114.0000°; P -7.4400,Plg15.0000°,Azm205.0000° M_o7.90000×10^{16}

(408) Ascension Island region

ISC	**X**	**21 21 21 53.7–.26**	**10.45S–.04**	**13.14W–.06**	**10**	**4.7b,4.3s**	**212**	**9-143**
ISCJB	X	21 21 21 51.7–.27	10.42S–.04	13.13W–.06	10	4.7b,4.3s		**¶11360742**
BJI	X	21 21 21 51.0	10.40S	13.10W	10	5.5b,5.2s		
IDC	X	21 21 21 52.1–.60	10.40S	13.19W	0	4.4,4.3		
MOS	X	21 21 21 52.1–.92	10.34S	13.13W	10	5.1b,4.4s		
NEIC	X	21 21 21 53.6–.18	10.43S	13.14W	10	5.0b,4.4s		
GCMT	X	21 21 21 55.0–.30	10.50S	13.11W	13–1	4.9W,4.4s		
SZGRF	X	21 21 22 01.8	9.13S	13.91W	33	4.7b,4.4s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.1km az=6.3.
IDC Error ellipse: s-maj=21.7km s-min=13.9km az=122.0.
MOS Error ellipse: s-maj=12.1km s-min=6.0km az=70.4.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.3km az=95.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s14,c16; s75,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.69±.21 $M_{\theta\theta}$0.39±.11; $M_{\phi\phi}$2.31±.14; $M_{r\theta}$0.17±.35; $M_{\theta\phi}$-0.58±.06; $M_{\phi r}$-0.35±.26; Best double couple: NP1:ϕ_s166.00000°,δ41.00000°,λ-88.00000°. NP2:ϕ_s343.00000°,δ49.00000°,λ-92.00000°. Principal axes: T 2.5000,Plg4.0000° ,Azm74.0000°; N 0.2300,Plg1.0000°,Azm344.0000°; P -2.7200,Plg86.0000°,Azm236.0000° M_o2.60000×10^{16}
SZGRF Ascension Island region.

(199) Admiralty Islands region

ISC	**X**	**23 10 04 36.9–.83**	**2.58S–.02**	**145.60E–.02**	**12–5**	**6.2s,5.8b**	**637**	**7-172**
BJI	X	23 10 04 31.3	2.53S	146.11E	10	6.3s,6.1b		**¶11362170**
ISCJB	X	23 10 04 33.8–.71	2.57S–.02	145.55E–.02	2–4	6.2s,5.8b		
IDC	X	23 10 04 34.0–.39	2.60S	145.62E	0	6.1,6.1s		
NEIC	X	23 10 04 35.0–.15	2.64S	145.57E	10	6.3s,6.3W		
DJA	X	23 10 04 37	2.56S	145.94E	16	6.4W,6.3W		
MOS	X	23 10 04 37.1–1.2	2.64S	145.59E	33	6.2s,6.2b		
GCMT	X	23 10 04 41.3–.10	2.46S	145.78E	12	6.3W,6.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.4km az=0.6.
IDC Error ellipse: s-maj=14.1km s-min=10.3km az=85.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.8km az=69.0. Moment Tensor Solution. s59 Moment tensor: Scale 10^{18}Nm; M_{rr}0.42 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$0.98 $M_{r\theta}$0.01 $M_{\theta\phi}$2.50 $M_{\phi r}$1.30 Best double couple: NP1:ϕ_s345.00000°,δ82.00000°,λ155.00000°. NP2:ϕ_s79.00000° ,δ65.00000°,λ9.00000°. Principal axes: T 3.0400,Plg23.0000°,Azm299.0000° ; N 0.0800,Plg63.0000°,Azm149.0000°; P -3.1200,Plg11.0000°,Azm34.0000° M_o3.10000×10^{18}
MOS Error ellipse: s-maj=8.2km s-min=5.1km az=106.1.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 105 sta. Surface waves: sta=121, comp=295, per= 50. Moment Tensor Solution. s115,c271; s99,c196; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.06±.02 $M_{\theta\theta}$-2.10±.02; $M_{\phi\phi}$2.16±.02; $M_{r\theta}$-0.62±.05; $M_{\theta\phi}$3.40±.02; $M_{\phi r}$0.36±.05; Best double couple: NP1:ϕ_s74.00000°,δ83.00000°,λ-7.00000°. NP2:ϕ_s164.00000°,δ83.00000°,λ-173.00000°. Principal axes: T 4.0400,Plg0.0000° ,Azm299.0000°; N 0.0700,Plg80.0000°,Azm208.0000°; P -4.1100,Plg10.0000°,Azm29.0000° M_o4.10000×10^{18}

(272) Seram

ISC	**X**	**24 01 54 20.7–.44**	**3.03S–.03**	**129.48E–.03**	**39–4**	**4.8b,4.1s**	**216**	**1-154**
IDC	X	24 01 54 14.2–.44	3.10S	129.50E	0	4.7,4.7		**¶11362349**
MOS	X	24 01 54 18.0–1.1	3.10S	129.36E	33	5.1b,4.7		
ISCJB	X	24 01 54 18.1–.56	3.02S–.03	129.52E–.03	34–5	4.8b,4.1s		
NEIC	X	24 01 54 19.1–2.6	3.11S	129.43E	30–18	4.8b,4.1s		
DJA	X	24 01 54 19.3–1.1	3S–2.0	130E–2.0	15–11	5.7b,5.4		
BJI	X	24 01 54 19.2	3.20S	129.40E	35	5.0b,4.7b		

ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=9.0km az=73.0.
MOS Error ellipse: s-maj=14.3km s-min=6.9km az=117.7.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.9km az=145.5.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.2km az=46.0.

(196) Irian Jaya region

ISC	**X**	**25 00 31 57.3–.58**	**0.14S–.04**	**134.94E–.03**	**41–6**	**4.7b,3.9s**	**115**	**2-152**
IDC	X	25 00 31 51.6–.57	0.01N	134.89E	0	5.0L,4.7		**¶11362611**
ISCJB	X	25 00 31 55.0–.73	0.12S–.04	134.92E–.03	36–7	4.7b,3.9s		
NEIC	X	25 00 31 54.3–3.8	0.08S	134.89E	19–24	4.8b,3.9s		
BJI	X	25 00 31 54.5	0.04S	135.15E	38	5.1b,4.9b		
DJA	X	25 00 31 58.6–.50	0S–6.0	135E–3.0	42–10	5.6b,5.3		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(186) Vanuatu Islands

ISC	**X**	**25 19 24 50.8–1.3**	**17.32S–.02**	**167.27E–.02**	**20–7**	**5.6b,5.3s**	**565**	**5-167**
IDC	X	25 19 24 47.7–.38	17.24S	167.26E	0	6.1L,5.4		**¶11362640**
NOU	X	25 19 24 47.3–.69	16.95S	166.97E	30–0	3.8,5.4		
ISCJB	X	25 19 24 48.2–1.2	17.29S–.03	167.20E–.02	14–7	5.6b,5.3s		
BJI	X	25 19 24 50.1	17.24S	167.97E	44	5.6b,5.4s		
NEIC	X	25 19 24 50.9–1.6	17.23S	167.26E	23–11	5.7b,5.7W		
LDG	X	25 19 24 51.1–.14	17.15S	166.11E	10–0	5.5b,5.2s		
BGS	X	25 19 24 52.7–2.4	17.23S	167.26E	23–0	5.7b,5.2s		
MOS	X	25 19 24 52.2–1.2	17.08S	167.16E	33	5.9b,5.3s		
DJA	X	25 19 24 54	17.38S	166.99E	30	5.8W,5.3s		
GCMT	X	25 19 24 54.4–.10	17.25S	167.09E	22–0	5.7W,5.3s		

ISC Event type ke.
IDC Error ellipse: s-maj=15.3km s-min=13.1km az=168.0.
NOU Error ellipse: s-maj=4.9km s-min=30.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=167.2.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.1km az=158.0. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.38 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$2.20 $M_{r\theta}$-1.30 $M_{\theta\phi}$2.32 $M_{\phi r}$2.17 Best double couple: NP1:ϕ_s66.00000°,δ48.00000°,λ-21.00000°. NP2:ϕ_s170.00000° ,δ74.00000°,λ-136.00000°. Principal axes: T 3.8300,Plg16.0000°,Azm292.0000° ; N 0.2000,Plg43.0000°,Azm186.0000°; P -4.0300,Plg41.0000°,Azm37.0000° M_o3.90000×10^{17}
LDG Event type ke. Error ellipse: s-maj=19.7km s-min=6.5km az=81.0.
BGS Error ellipse: s-maj=462.5km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=8.2km s-min=7.8km az=79.6.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=240, per= 50. Moment Tensor Solution. s87,c178; s55,c68; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.53±.05 $M_{\theta\theta}$-0.36±.04; $M_{\theta\phi}$2.89±.05; $M_{r\theta}$-1.22±.09; $M_{\theta\theta}$3.46±.04; $M_{\phi r}$1.07±.08; Best double couple: NP1:ϕ_s68.00000°,δ58.00000°,λ-34.00000°. NP2:ϕ_s177.00000°,δ62.00000°,λ-144.00000°. Principal axes: T 5.1000,Plg2.0000°,Azm302.0000°; N -0.9500,Plg45.0000°,Azm210.0000° ; P -4.1500,Plg45.0000°,Azm34.0000° M_o4.60000×10^{17}

(408) Ascension Island region

ISC	**X**	**26 04 56 11.1–.37**	**5.54S–.05**	**11.50W–.08**	**10**	**4.8b,4.0s**	**309**	**13-148**
SZGRF	X	26 04 56 03.3	7.02S	13.93W	33	4.6b,4.0s		**¶11362744**
BJI	X	26 04 56 06.6	6.46S	11.44W	10	5.5b,5.2s		
MOS	X	26 04 56 09.4–.79	5.43S	11.53W	10	5.1b,5.2s		
ISCJB	X	26 04 56 09.2–.37	5.50S–.05	11.52W–.08	10	4.8b,4.0s		
IDC	X	26 04 56 10.0–.62	5.57S	11.41W	0	4.3,4.2		
NEIC	X	26 04 56 11.0–.34	5.53S	11.49W	10	4.9b,4.2		

ISC Event type se.
SZGRF Ascension Island region.
MOS Error ellipse: s-maj=15.0km s-min=5.0km az=71.5.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=7.5km az=3.7.
IDC Error ellipse: s-maj=21.0km s-min=15.0km az=107.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=91.0.

(249) Luzon

ISC	**X**	**27 20 25 31.1–.38**	**19.18N–.02**	**121.20E–.03**	**44–4**	**4.7b,4.2s**	**311**	**1-171**
MOS	X	27 20 25 27.3–1.0	19.05N	121.25E	33	5.1b,4.2s		**¶13398284**
NEIC	X	27 20 25 28.2–1.8	19.08N	121.25E	27–12	5.0b,4.2s		
TEH	X	27 20 25 28.0	19.08N	121.23E	22	5.0b,4.2s		
ISCJB	X	27 20 25 29.6–.44	19.19N–.02	121.22E–.04	46–4	4.7b,4.2s		
IDC	X	27 20 25 29.2–2.6	19.09N	121.25E	33–19	4.5,4.5L		
BJI	X	27 20 25 29.2	19.44N	121.00E	14	4.9b,4.5b		
MAN	X	27 20 25 30	18.97N	121.20E	1	5.6b,5.0s		
DJA	X	27 20 25 31	19.21N	120.76E	10	4.9b,5.0s		
GCMT	X	27 20 25 32.9–.20	19.28N	120.93E	38–0	5.0W,5.0s		

ISC Event type fe.
MOS Error ellipse: s-maj=11.1km s-min=5.8km az=114.1.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=5.7km az=109.0. Felt [II PIVS] at Pasuquin and Callao, Luzon.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.6km az=174.5.
IDC Error ellipse: s-maj=13.7km s-min=11.4km az=86.0.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s56,c74; s62,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}4.13±.17 $M_{\theta\theta}$-0.71±.11; $M_{\phi\phi}$-3.42±.12; $M_{r\theta}$-0.37±.09; $M_{\theta\phi}$-1.78±.07; $M_{\phi r}$-1.59±.11; Best double couple: NP1:ϕ_s31.00000°,δ35.00000°,λ98.00000°. NP2:ϕ_s201.00000°,δ56.00000°,λ84.00000°. Principal axes: T 4.4500,Plg79.0000° ,Azm90.0000°; N 0.1400,Plg5.0000°,Azm205.0000°; P -4.5900,Plg10.0000°,Azm296.0000° M_o4.50000×10^{16}

(248) Philippine Islands region

ISC	**X**	**28 04 16 04.9–.30**	**12.72N–.02**	**120.12E–.03**	**42–3**	**4.8b,4.1s**	**339**	**1-171**
MAN	X	28 04 16 00	12.61N	119.87E	31	5.6b,5.0s		**¶13398329**
BJI	X	28 04 16 01.4	12.62N	120.33E	43	5.1b,4.9b		
MOS	X	28 04 16 01.3–.95	12.69N	120.26E	33	5.0b,4.9b		
GCMT	X	28 04 16 01.9–.20	12.72N	120.03E	23–1	5.0W,4.9b		
ISCJB	X	28 04 16 02.8–.35	12.70N–.02	120.11E–.03	39–4	4.8b,4.1s		
NEIC	X	28 04 16 03.9–.59	12.63N	120.13E	37–5	5.0b,4.1s		

IDC X 28 04 16 04.4–2.2 12.63N 120.22E 45–21 4.3,4.3L
TEH X 28 04 16 05.0 12.66N 120.14E 40 4.3,4.3L
DJA X 28 04 16 08 12.60N 119.93E 30 5.0b,4.3L
ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=5.7km az=118.7.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s34,c44; s86,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.40±.18 $M_{\theta\theta}$4.44±.13; $M_{\phi\phi}$-3.04±.13; $M_{r\theta}$0.28±.18; $M_{\theta\phi}$-0.26±.10; $M_{\phi r}$-0.33±.21; Best double couple: NP1:ϕ_{s}47.00000°,δ81.00000°,λ-174.00000°. NP2:ϕ_{s}316.00000°,δ85.00000°,λ-10.00000°. Principal axes: T 4.4600,Plg3.0000° ,Azm2.0000°; N -1.3500,Plg79.0000°,Azm107.0000°; P -3.1100,Plg11.0000°,Azm272.0000° M_{0}3.80000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=178.8.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=90.0.
IDC Error ellipse: s-maj=17.1km s-min=10.4km az=68.0.

(200) Near north coast of New Guinea

ISC	**X**	**28 16 00 03.8–.93**	**3.54S–.03**	**145.88E–.03**	**20–5**	**5.9s,5.4b**	**350**	**5-171**
IDC	X	28 15 59 59.8–.44	3.37S	145.79E	0	5.9s,5.8		**¶11374829**
ISCJB	X	28 16 00 00.3–.83	3.53S–.03	145.87E–.03	8–5	5.9s,5.4b		
BJI	X	28 16 00 01.0	3.77S	145.91E	23	5.9s,5.8b		
NEIC	X	28 16 00 03.2–4.0	3.49S	145.87E	18–24	6.0W,5.9s		
MOS	X	28 16 00 03.9–1.7	3.47S	145.83E	33	5.7s,5.6b		
GCMT	X	28 16 00 07.5–.10	3.36S	145.82E	12	6.0W,5.6b		
DJA	X	28 16 00 08	3.82S	145.78E	49	5.6b,5.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=16.2km s-min=12.0km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.1km az=44.3.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.3km az=71.0. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_{s}86.00000°,δ78.00000°,λ1.00000°. NP2:ϕ_{s}355.00000°,δ89.00000° ,λ168.00000°. Principal axes: T 0.8500,Plg9.0000°,Azm309.0000°; N 0.3400,Plg78.0000° ,Azm169.0000°; P -1.1800,Plg7.0000°,Azm41.0000° M_{0}1.00000×10^{18}
MOS Error ellipse: s-maj=9.8km s-min=5.5km az=103.7.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=120, comp=264, per= 50. Moment Tensor Solution. s111,c224; s97,c156; Moment tensor: Scale 10^{18}Nm; M_{rr}0.05±.01 $M_{\theta\theta}$-0.30±.01; $M_{\phi\phi}$0.26±.01; $M_{r\theta}$0.00±.02; $M_{\theta\phi}$1.32±.01; $M_{\phi r}$-0.11±.02; Best double couple: NP1:ϕ_{s}264.00000°,δ85.00000°,λ1.00000°. NP2:ϕ_{s}174.00000°,δ89.00000°,λ175.00000°. Principal axes: T 1.3300,Plg4.0000°,Azm129.0000°; N 0.0400,Plg85.0000°,Azm344.0000° ; P -1.3700,Plg3.0000°,Azm219.0000° M_{0}1.40000×10^{18}

(694) Central East Pacific Rise

ISC	**X**	**28 20 42 42.7–.38**	**9.19S–.05**	**108.36W–.07**	**10**	**4.8b,4.7s**	**374**	**18-152**
ISCJB	X	28 20 42 40.5–.40	9.19S–.05	108.38W–.07	10	4.8b,4.7s		**¶11374838**
IDC	X	28 20 42 41.1–.96	9.01S	108.42W	0	4.6s,4.6		
NEIC	X	28 20 42 42.9–.28	8.99S	108.28W	10	4.9b,4.6		
BJI	X	28 20 42 44.0	9.00S	108.20W	10	5.7s,5.3		
GCMT	X	28 20 42 46.3–.10	8.99S	108.32W	17–0	5.3W,5.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.7km az=153.2.
IDC Error ellipse: s-maj=34.7km s-min=15.4km az=56.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.5km az=70.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 102 sta. Moment Tensor Solution. s71,c112; s99,c182; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_{s}260.00000°,δ74.00000°,λ2.00000°. NP2:ϕ_{s}169.00000°,δ88.00000°,λ163.00000°. Principal axes: T 0.9700,Plg13.0000° ,Azm123.0000°; N 0.0600,Plg73.0000°,Azm344.0000°; P -1.0300,Plg10.0000° ,Azm216.0000° M_{0}1.00000×10^{17}

(308) Northern India

ISC	**X**	**28 23 09 58.2–.08**	**30.59N–.01**	**67.38E–.01**	**19**	**6.5s,6.1b**	**1855**	**4-175**
BGS	X	28 23 09 18.9–1.6	26.54N	71.32E	10–0	6.6s,5.9b		**¶13398457**
SZGRF	X	28 23 09 30.6	28.36N	69.80E	33	6.5s,6.3b		
NNC	X	28 23 09 43.2–7.1	30.18N	66.31E	0	6.3b,6.3b		
IDC	X	28 23 09 54.8–.32	30.56N	67.41E	0	6.4s,6.4		
BJI	X	28 23 09 55.5	30.79N	67.49E	5	6.9s,6.9b		
ISCJB	X	28 23 09 56.1–.08	30.60N–.01	67.37E–.01	18	6.5s,6.1b		
NEIC	X	28 23 09 57.6–.10	30.64N	67.35E	15	6.7,6.6s		
MOS	X	28 23 09 58.3–.89	30.58N	67.37E	33	6.5s,6.3b		
TEH	X	28 23 09 58.0	30.65N	67.32E	15	6.5s,6.3b		
DJA	X	28 23 10 00	30.53N	67.44E	24	6.8W,6.3b		
GCMT	X	28 23 10 02.0–.10	30.40N	67.48E	17–0	6.4W,6.3b		

ISC Event type de.
BGS Error ellipse: s-maj=444.5km s-min=382.0km az=-1.0.
SZGRF Pakistan.
NNC Error ellipse: s-maj=111.4km s-min=61.0km az=101.0.
IDC Error ellipse: s-maj=9.9km s-min=7.7km az=28.0.
ISCJB Event type de. Error ellipse: s-maj=2.1km s-min=1.3km az=17.9.
NEIC Event type de. Error ellipse: s-maj=3.1km s-min=2.2km az=15.0. One hundred sixty-six people killed, 370 injured and several villages destroyed in Balochistan. Several villages destroyed by landslides in the Ziarat area. A total of 3,487 homes destroyed and an additional 4,125 homes damaged in the Harnai area, Pishin and Ziarat. Felt [VI] at Quetta. Felt strongly in Bolan, Kalat and Qila Saifullah; and at Loralai, Mach, Mastung, Muslimbagh, and Surab. Felt [III] at Kandahar, Afghanistan. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_{s}305.00000°,δ60.00000° ,λ150.00000°. NP2:ϕ_{s}51.00000°,δ64.00000°,λ34.00000°. Principal axes: T Plg41.0000° ,Azm270.0000°; N Plg0.0000°,Azm0.0000°; P Plg3.0000°,Azm177.0000° Moment Tensor Solution. s86 Moment tensor: Scale 10^{18}Nm; M_{rr}0.80 $M_{\theta\theta}$-3.60 $M_{\phi\phi}$2.80 $M_{r\theta}$-0.41 $M_{\theta\phi}$-0.78 $M_{\phi r}$0.42 Best double couple: NP1:ϕ_{s}39.00000°,δ78.00000°,λ5.00000°. NP2:ϕ_{s}307.00000° ,δ85.00000°,λ168.00000°. Principal axes: T 2.9900,Plg12.0000°,Azm262.0000° ; N 0.7300,Plg77.0000°,Azm104.0000°; P -3.7200,Plg4.0000°,Azm353.0000° M_{0}3.40000×10^{18}
MOS Error ellipse: s-maj=6.1km s-min=2.9km az=131.4.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 103 sta. Surface waves: sta=111, comp=270, per= 50. Moment Tensor Solution. s120,c273; s99,c178; Moment tensor: Scale 10^{18}Nm; M_{rr}0.90±.03 $M_{\theta\theta}$-5.01±.03; $M_{\phi\phi}$4.11±.03; $M_{r\theta}$0.42±.08; $M_{\theta\phi}$-1.59±.03; $M_{\phi r}$1.38±.08; Best double couple: NP1:ϕ_{s}304.00000°,δ73.00000°,λ171.00000°. NP2:ϕ_{s}37.00000°,δ81.00000°,λ18.00000°. Principal axes: T 4.8100,Plg18.0000° ,Azm262.0000°; N 0.5400,Plg71.0000°,Azm62.0000°; P -5.3500,Plg6.0000°,Azm170.0000° M_{0}5.10000×10^{18}

(85) Cuba region

ISC	**X**	**28 23 48 54.8–.15**	**19.47N–.02**	**78.67W–.02**	**10**	**5.5s,4.7b**	**468**	**1-149**
BJI	X	28 23 48 53.1	19.50N	78.70W	10	5.5s,5.5b		**¶11374851**
ISCJB	X	28 23 48 53.0–.15	19.51N–.02	78.67W–.02	10	5.5s,4.7b		
IDC	X	28 23 48 53.4–.45	19.47N	78.91W	0	4.9L,4.5		
NEIC	X	28 23 48 55.0–.20	19.48N	78.74W	10	4.9b,4.5		
SSNC	X	28 23 48 56.5–4.8	19.64N	78.98W	25–61	4.5L,4.5		
JSN	X	28 23 48 57.2–1.4	19.27N	78.50W	0–117	4.8,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.0km az=24.0.
IDC Error ellipse: s-maj=15.2km s-min=11.4km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.0km az=215.0. Felt at Montego Bay, Jamaica.
SSNC Error ellipse: s-maj=81.6km s-min=43.6km az=-1.0.
JSN Error ellipse: s-maj=81.3km s-min=111.6km az=-1.0.

(308) Northern India

ISC	**X**	**29 11 32 41.9–.42**	**30.50N–.01**	**67.56E–.01**	**3–2**	**6.6s,6.0b**	**1668**	**4-176**
BGS	X	29 11 32 05.0–1.7	26.43N	71.73E	10–0	6.8s,5.9b		**¶11378619**
SZGRF	X	29 11 32 39.3	29.84N	67.82E	33	6.5s,6.3b		
IDC	X	29 11 32 41.0–.31	30.66N	67.62E	0	6.4s,6.4		
ISCJB	X	29 11 32 41.2–.08	30.46N–.02	67.56E–.01	11	6.6s,6.0b		
TEH	X	29 11 32 43.0	30.54N	67.46E	10	6.6s,6.0b		
NEIC	X	29 11 32 43.1–.19	30.60N	67.46E	14	6.6s,6.4W		
MOS	X	29 11 32 44.4–1.9	30.61N	67.53E	33	6.5s,6.3b		
BJI	X	29 11 32 44.3	30.82N	67.93E	14	6.7s,6.5		
DJA	X	29 11 32 46	30.46N	67.68E	19	6.4W,6.5		
GCMT	X	29 11 32 48.6–.10	30.29N	67.57E	12	6.4W,6.5		

ISC Event type de.
BGS Error ellipse: s-maj=446.7km s-min=403.7km az=-1.0.
SZGRF Pakistan.
IDC Error ellipse: s-maj=8.7km s-min=6.7km az=38.0.
ISCJB Event type de. Error ellipse: s-maj=2.3km s-min=1.3km az=16.6.
NEIC Event type de. Error ellipse: s-maj=5.7km s-min=4.2km az=196.0. Several buildings collapsed in the Ziarat district. Cracked plaster and building damage at Quetta. One injury from a wall collapse at Shehdadkot. Felt [V] at Quetta. Also felt at Chaman, Dadhar, Dadu, Jacobabad, Jafarabad, Kawas, Khairu, Larkana, Loralai, Nasirabad, Pishin, Qambar, Qila Abdullah, Shoran, Sibi and Zhob. Felt [IV] at Kandahar, Afghanistan. Also felt at Gurgaon and Jaipur, India. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_{s}75.00000°,δ75.00000°,λ35.00000°. NP2: ϕ_{s}335.00000°,δ56.00000°,λ162.00000°. Principal axes: T Plg35.0000°,Azm300.0000° ; N Plg0.0000°,Azm0.0000°; P Plg12.0000°,Azm201.0000° Moment Tensor Solution. s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.53 $M_{\theta\theta}$-2.67 $M_{\phi\phi}$2.14 $M_{r\theta}$0.13 $M_{\theta\phi}$0.77 $M_{\phi r}$-0.09 Best double couple: NP1:ϕ_{s}324.00000°,δ90.00000°,λ-177.00000°. NP2:ϕ_{s}234.00000° ,δ87.00000°,λ0.00000°. Principal axes: T 2.2600,Plg2.0000°,Azm98.0000° ; N 0.5400,Plg86.0000°,Azm326.0000°; P -2.8000,Plg2.0000°,Azm188.0000° M_{0}2.60000×10^{18}
MOS Error ellipse: s-maj=4.6km s-min=2.8km az=121.8.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=264, per= 50. Moment Tensor Solution. s115,c256; s96,c175; Moment tensor: Scale 10^{18}Nm; M_{rr}1.00±.03 $M_{\theta\theta}$-5.31±.03; $M_{\phi\phi}$4.30±.03; $M_{r\theta}$2.21±.08; $M_{\theta\phi}$1.29±.03; $M_{\phi r}$0.50±.08; Best double couple: NP1:ϕ_{s}324.00000°,δ68.00000°,λ-178.00000°. NP2:ϕ_{s}233.00000°,δ88.00000°,λ-22.00000°. Principal axes: T 4.6600,Plg14.0000°,Azm280.0000°; N 1.4500,Plg68.0000°,Azm48.0000° ; P -6.1200,Plg17.0000°,Azm186.0000° M_{0}5.40000×10^{18}

(122) Near coast of northern Chile

ISC	**X**	**30 01 32 40.1–.67**	**24.06S–.02**	**70.35W–.04**	**25–4**	**5.2b,5.1s**	**758**	**0-176**
ISCJB	X	30 01 32 39.1–.64	24.07S–.02	70.42W–.04	31–4	5.2b,5.1s		**¶11379079**
GUC	X	30 01 32 40.4–.76	24.03S	70.11W	18–6	5.7L,5.1s		
MOS	X	30 01 32 40.4–1.0	23.74S	70.34W	33	5.5b,5.1s		
NEIC	X	30 01 32 40.0	24.03S	70.11W	18	5.7L,5.3b		
BJI	X	30 01 32 42.1	24.00S	70.30W	27	5.7s,5.5		
IDC	X	30 01 32 42.2–2.1	24.01S	70.32W	43–19	4.9,4.9		
GCMT	X	30 01 32 47.0–.20	23.86S	70.89W	41–0	5.3W,4.9		
DJA	X	30 01 32 47	25.22S	69.49W	20	5.4b,4.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.5km az=169.1.
GUC Error ellipse: s-maj=3.5km s-min=6.2km az=-1.0.
MOS Error ellipse: s-maj=12.7km s-min=7.1km az=110.4.
NEIC Event type fe. Felt [IV] at Antofagasta and Sierra Gorda; [III] at Mejillones; [II] at Calama, El Salvador, Taltal and Tocopilla. After GUC. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_{s}37.00000°,δ34.00000°,λ110.00000°. NP2:ϕ_{s}194.00000°,δ58.00000°,λ77.00000°. Principal axes: T 0.9500,Plg73.0000°,Azm68.0000°; N 0.3900,Plg11.0000°,Azm200.0000° ; P -1.3400,Plg12.0000°,Azm293.0000° M_{0}1.20000×10^{17}
IDC Error ellipse: s-maj=20.0km s-min=11.5km az=73.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 80, comp=131, per= 50. Moment Tensor Solution. s67,c108; s6,c6; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_{s}10.00000°,δ30.00000° ,λ85.00000°. NP2:ϕ_{s}196.00000°,δ60.00000°,λ93.00000°. Principal axes: T 0.9500,Plg75.0000°,Azm115.0000°; N 0.2600,Plg3.0000°,Azm15.0000° ; P -1.2100,Plg15.0000°,Azm284.0000° M_{0}1.10000×10^{17}

(222) East of Kuril Islands

ISC	**X**	**30 01 55 12.2–.76**	**46.42N–.02**	**153.22E–.02**	**18–4**	**5.4b,5.2s**	**1565**	**4-159**
NIED	X	30 01 55 00	46.40N	153.40E	5	5.5W,5.2s		**¶13398595**
ISCJB	X	30 01 55 07.5–.70	46.37N–.02	153.27E–.02	1–4	5.4b,5.2s		
IDC	X	30 01 55 08.7–.42	46.41N	153.21E	0	5.1s,5.1		
BGS	X	30 01 55 09.0–2.4	46.03N	157.20E	33–999	5.8b,5.1		
JMA	X	30 01 55 11.4–.70	46.40N	153.36E	30	5.7,5.1		
BJI	X	30 01 55 11.2	46.48N	153.14E	25	5.8b,5.5s		
SKHL	X	30 01 55 12.2–.10	46.20N	153.60E	55–14	6.4,6.4		
NEIC	X	30 01 55 14.2–1.2	46.43N	153.21E	32–8	5.4b,5.1s		
MOS	X	30 01 55 15.5–1.2	46.43N	153.16E	57	5.7b,5.4s		
GCMT	X	30 01 55 16.1–.10	46.39N	153.53E	17–0	5.5W,5.4s		
TEH	X	30 01 55 16.0	46.50N	153.14E	44	5.5W,5.4s		
SZGRF	X	30 01 55 19.1	47.81N	152.73E	33	5.7b,5.5s		
DJA	X	30 01 55 20	46.62N	152.93E	64	5.3b,5.5s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_{s}65.00000°,δ73.00000°,λ105.00000°. NP2:ϕ_{s}203.00000°,δ22.00000°,λ50.00000°. M_{0}2.08000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=1.7km az=166.1.
IDC Error ellipse: s-maj=14.9km s-min=11.0km az=133.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
JMA Error ellipse: s-maj=5.6km s-min=6.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.1km az=161.0.
MOS Error ellipse: s-maj=6.2km s-min=3.8km az=105.3. Moment Tensor Solution. M_{0}0.60000×10^{18}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=229, per= 50. Moment Tensor Solution. s83,c149; s32,c33; Moment tensor: Scale 10^{17}Nm; M_{rr}1.96±.04 $M_{\theta\theta}$-0.98±.03; $M_{\phi\phi}$-0.98±.03; $M_{r\theta}$0.67±.07; $M_{\theta\phi}$-1.11±.02; $M_{\phi r}$1.36±.08; Best double couple: NP1:ϕ_{s}237.00000°,δ28.00000°,λ111.00000°. NP2:ϕ_{s}34.00000°,δ64.00000°,λ79.00000°. Principal axes: T 2.5100,Plg69.0000°,Azm282.0000°; N 0.0500,Plg10.0000°,Azm39.0000° ; P -2.5500,Plg18.0000°,Azm132.0000° M_{0}2.50000×10^{17}
SZGRF Kuril Islands, Russia.

(694) Central East Pacific Rise

ISC	**X**	**30 15 15 40.7–.27**	**9.19S–.04**	**108.23W–.04**	**10**	**5.8s,5.3b**	**715**	**18-169**
ISCJB	X	30 15 15 38.6–.27	9.20S–.04	108.26W–.04	10	5.8s,5.3b		**¶11379118**
IDC	X	30 15 15 40.3–.52	9.00S	108.29W	0	5.7s,5.7		
MOS	X	30 15 15 40.8–1.2	8.79S	108.04W	10	5.7s,5.6b		
NEIC	X	30 15 15 41.1–.24	9.02S	108.25W	10	6.0W,5.8s		
BJI	X	30 15 15 42.4	8.02S	108.73W	10	6.2s,6.0		
GCMT	X	30 15 15 46.4–.10	9.08S	108.30W	18–0	6.1W,6.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.6km az=148.4.
IDC Error ellipse: s-maj=17.2km s-min=12.1km az=78.0.
MOS Error ellipse: s-maj=14.1km s-min=5.5km az=90.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.0km az=65.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=119, comp=277, per= 50. Moment Tensor Solution. s110,c233; s92,c141; Moment tensor: Scale 10^{18}Nm; M_{rr}0.05±.01 $M_{\theta\theta}$-0.10±.01; $M_{\phi\phi}$0.05±.01; $M_{r\theta}$-0.14±.03; $M_{\theta\phi}$1.50±.01; $M_{\phi r}$-0.02±.03; Best double couple: NP1:ϕ_{s}179.00000°,δ85.00000°,λ179.00000°. NP2:ϕ_{s}269.00000°,δ89.00000°,λ5.00000°. Principal axes: T 1.4900,Plg4.0000°,Azm134.0000°; N 0.0400,Plg85.0000°,Azm277.0000° ; P -1.5300,Plg3.0000°,Azm43.0000° M_{0}1.50000×10^{18}

(203) Bismarck Sea

ISC	**XI**	**01 01 13 10.9–.96**	**3.42S–.03**	**148.81E–.03**	**18–5**	**5.7s,5.2b**	**399**	**6-170**
BJI	XI	01 01 13 04.8	3.32S	149.54E	10	5.7s,5.6		**¶11380742**
ISCJB	XI	01 01 13 07.3–.88	3.42S–.03	148.78E–.03	6–5	5.7s,5.2b		
IDC	XI	01 01 13 07.2–.55	3.43S	148.88E	0	5.5s,5.5		
NEIC	XI	01 01 13 09.6–.17	3.40S	148.71E	10	5.9W,5.9W		
MOS	XI	01 01 13 11.5–1.3	3.38S	148.72E	33	5.7s,5.5b		
TEH	XI	01 01 13 11.0	3.40S	148.54E	10	5.7s,5.5b		
GCMT	XI	01 01 13 14.9–.10	3.31S	148.89E	12	6.0W,5.5b		
DJA	XI	01 01 13 15	3.39S	148.87E	51	5.2b,5.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=5.0km az=159.7.
IDC Error ellipse: s-maj=19.8km s-min=10.0km az=110.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=101.0. Moment Tensor Solution. s48 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.59 $M_{\theta\theta}$3.91 $M_{\phi\phi}$-3.32 $M_{r\theta}$5.14 $M_{\theta\phi}$5.57 $M_{\phi r}$-2.67 Best double couple: NP1:ϕ_{s}20.00000°,δ50.00000°,λ-174.00000°. NP2:ϕ_{s}286.00000° ,δ85.00000°,λ-40.00000°. Principal axes: T 8.3600,Plg23.0000°,Azm339.0000° ; N 0.8700,Plg49.0000°,Azm100.0000°; P -9.2300,Plg30.0000°,Azm234.0000° M_{0}8.80000×10^{17}
MOS Error ellipse: s-maj=9.0km s-min=5.9km az=97.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=274, per= 50. Moment Tensor Solution. s104,c225; s97,c142; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_{s}201.00000° ,δ85.00000°,λ178.00000°. NP2:ϕ_{s}291.00000°,δ88.00000°,λ5.00000°. Principal axes: T 1.1800,Plg5.0000°,Azm156.0000°; N -0.0600,Plg85.0000°,Azm309.0000° ; P -1.1200,Plg2.0000°,Azm66.0000° M_{0}1.20000×10^{18}

(280) Banda Sea

ISC	**XI**	**01 01 34 29.0–.82**	**6.65S–.03**	**129.31E–.03**	**25–5**	**5.3b,5.2s**	**412**	**3-160**
BJI	XI	01 01 34 21.0	7.00S	129.58E	10	5.7b,5.4s		**¶11380743**
ISCJB	XI	01 01 34 24.9–.89	6.61S–.03	129.32E–.03	10–5	5.3b,5.2s		
IDC	XI	01 01 34 25.2–.38	6.66S	129.12E	0	5.3,5.3s		

NEIC XI 01 01 34 26.4–.14 6.68S 129.23E 10 5.7W,5.4b
TEH XI 01 01 34 27.0 6.68S 129.25E 10 5.7W,5.4b
MOS XI 01 01 34 29.4–.89 6.45S 129.27E 33 5.6b,5.2s
DJA XI 01 01 34 29.6–.80 7S–2.0 129E–2.0 30–8 6.1b,6.1
GCMT XI 01 01 34 31.1–.10 6.55S 129.20E 21–0 5.8W,6.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.9km az=137.4.
IDC Error ellipse: s-maj=15.6km s-min=10.8km az=69.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.9km az=57.0.
MOS Error ellipse: s-maj=10.4km s-min=5.7km az=118.6.
GCMT Event type se. Data Used: IU II IC G CN. Surface waves: sta=116, comp=214, per= 50. Moment Tensor Solution. s80,c131; s58,c73; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.09 $M_{\theta\theta}$-5.48±.08; $M_{\phi\phi}$5.54±.08; $M_{r\theta}$-0.60±.15; $M_{\theta\phi}$1.95±.07; $M_{\phi r}$1.81±.18; Best double couple: NP1:ϕ_s55.00000°,δ73.00000°,λ4.00000°. NP2:ϕ_s324.00000°,δ86.00000°,λ163.00000°. Principal axes: T 6.3200,Plg15.0000°,Azm279.0000°; N -0.3600,Plg72.0000°,Azm131.0000° ; P -5.9600,Plg9.0000°,Azm11.0000° $M_0$6.10000×10^{17}

(16) South of Aleutian Islands

ISC	**XI**	**02 13 48 44.7–.10**	**51.60N–.02**	**174.36W–.02**	**50**	**5.8s,5.7b**	**1388**	**1-161**
BGS	XI	02 13 48 33.8–1.8	49.89N	172.03W	33–0	5.7s,5.3b		¶13399012
IDC	XI	02 13 48 39.2–1.5	51.57N	174.24W	14–9	5.7s,5.7		
DJA	XI	02 13 48 40	51.50N	173.89W	20	6.3W,5.7		
MOS	XI	02 13 48 40.8–.99	51.66N	174.35W	33	5.8b,5.7s		
BJI	XI	02 13 48 41.5	51.79N	174.66W	36	6.1s,6.0b		
NEIC	XI	02 13 48 42.8–.12	51.55N	174.37W	36	6.1W,5.8s		
ISCJB	XI	02 13 48 42.7–.10	51.54N–.02	174.34W–.02	48	5.8s,5.7b		
GCMT	XI	02 13 48 44.2–.10	51.38N	174.49W	20–0	6.1W,5.7b		
SZGRF	XI	02 13 48 47.8	51.50N	174.50W	57	5.9b,5.9s		

ISC Event type se.
BGS Error ellipse: s-maj=205.4km s-min=900.3km az=-1.0.
IDC Error ellipse: s-maj=10.2km s-min=6.7km az=160.0.
MOS Error ellipse: s-maj=6.1km s-min=5.1km az=84.9.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.0km az=177.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.7km az=172.6.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=105, comp=252, per= 50. Moment Tensor Solution. s105,c244; s83,c128; Moment tensor: Scale 10^{18}Nm; M_{rr}1.16±.01 $M_{\theta\theta}$-1.03±.01; $M_{\phi\phi}$-0.13±.01; $M_{r\theta}$0.88±.02; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$0.43±.02; Best double couple: NP1:ϕ_s251.00000°,δ25.00000°,λ95.00000°. NP2:ϕ_s66.00000°,δ65.00000°,λ88.00000°. Principal axes: T 1.5200,Plg70.0000°,Azm330.0000°; N 0.0400,Plg2.0000°,Azm67.0000° ; P -1.5500,Plg20.0000°,Azm157.0000° $M_0$1.50000×10^{18}
SZGRF Andreanof Islands, Aleutian Islands, United States.

(7) Andreanof Islands

ISC	**XI**	**02 13 55 19.4–.87**	**51.54N–.07**	**174.38W–.06**	**40–5**	**4.8b**	**260**	**1-153**
IDC	XI	02 13 55 12.7–.69	51.63N	174.36W	0	4.5L,4.5		¶13399014
SZGRF	XI	02 13 55 14.0	51.52N	176.63W	33	5.9s,4.9b		
MOS	XI	02 13 55 16.7–1.2	51.60N	174.24W	33	5.2b,4.9b		
ISCJB	XI	02 13 55 17.6–.94	51.49N–.07	174.33W–.06	40–6	4.8b,4.9b		
NEIC	XI	02 13 55 18.5–.35	51.53N	174.37W	35	5.1b,4.9b		

ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=13.3km az=161.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
MOS Error ellipse: s-maj=18.9km s-min=14.4km az=61.3.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=5.1km az=166.6.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.4km az=166.0.

(177) Kermadec Islands region

ISC	**XI**	**02 15 00 58.5–.26**	**30.34S–.03**	**177.01W–.06**	**35**	**5.7s,5.0b**	**223**	**1-169**
IDC	XI	02 15 00 53.8–.41	29.82S	176.93W	0	5.6s,5.6		¶11383209
NEIC	XI	02 15 00 55.2–.23	29.92S	176.96W	10	5.8s,5.7W		
ISCJB	XI	02 15 00 56.6–.26	30.39S–.03	177.05W–.06	33	5.7s,5.0b		
MOS	XI	02 15 00 58.0–1.9	29.72S	176.88W	33	5.7s,5.4b		
BJI	XI	02 15 00 58.9	29.74S	177.05W	37	5.8b,5.6s		
GCMT	XI	02 15 01 00.3–.10	29.87S	176.37W	12	5.7W,5.6s		
DJA	XI	02 15 01 02	29.13S	176.11W	100	5.0b,5.6s		

ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=15.2km az=65.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=7.1km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.1km az=20.8.
MOS Error ellipse: s-maj=11.1km s-min=9.6km az=111.7.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 97, comp=198, per= 50. Moment Tensor Solution. s74,c133; s46,c51; Moment tensor: Scale 10^{17}Nm; M_{rr}2.84±.03 $M_{\theta\theta}$-0.20±.03; $M_{\phi\phi}$-2.64±.03; $M_{r\theta}$0.50±.11; $M_{\theta\phi}$-0.72±.03; $M_{\phi r}$3.04±.10; Best double couple: NP1:ϕ_s200.00000°,δ22.00000°,λ98.00000°. NP2:ϕ_s11.00000°,δ69.00000°,λ87.00000°. Principal axes: T 4.2000,Plg66.0000°,Azm275.0000°; N -0.0200,Plg3.0000°,Azm12.0000° ; P -4.1800,Plg24.0000°,Azm103.0000° $M_0$4.20000×10^{17}

(90) Puerto Rico region

ISC	**XI**	**02 20 42 34.0–.78**	**19.41N–.02**	**66.37W–.02**	**5–5**	**5.2s,5.1b**	**542**	**1-174**
IDC	XI	02 20 42 32.9–.40	19.38N	66.30W	0	5.0,5.0s		¶11383224
LDG	XI	02 20 42 32.4–.65	19.58N	66.36W	10–0	5.3b,4.9s		
ISCJB	XI	02 20 42 33.1–1.1	19.47N–.02	66.36W–.02	8–7	5.2s,5.1b		
MOS	XI	02 20 42 36.4–1.1	19.41N	66.38W	33	5.3b,5.1s		
NEIC	XI	02 20 42 37.1	19.43N	66.38W	10	5.5,5.4W		
BJI	XI	02 20 42 37.1	19.40N	66.40W	10	5.6s,5.6b		
RSPR	XI	02 20 42 37.1	19.43N	66.38W	10–31	5.5,5.2		

ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=10.6km az=91.0.
LDG Event type ke. Error ellipse: s-maj=29.3km s-min=9.5km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=142.7.
MOS Error ellipse: s-maj=6.0km s-min=4.7km az=105.3.
NEIC Event type fe. Felt [V] at San Juan. Also felt at Caguas, Carolina, Guaynabo and Mayaguez. After RSPR. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s322.00000°,δ71.00000° ,λ90.00000°. NP2:ϕ_s142.00000°,δ19.00000°,λ90.00000°. Principal axes: T 1.3600,Plg64.0000°,Azm232.0000°; N 0.3300,Plg0.0000°,Azm141.0000° ; P -1.7000,Plg25.0000°,Azm51.0000° $M_0$1.60000×10^{17}
RSPR Event type ke.

(706) Northern Sumatera

ISC	**XI**	**03 19 22 01.8–.12**	**1.15N–.02**	**97.28E–.02**	**32**	**5.7s,5.4b**	**778**	**2-176**
IDC	XI	03 19 21 57.1–.34	1.23N	97.32E	0	5.5s,5.5		¶11391128
NEIC	XI	03 19 21 58.5–.13	1.15N	97.25E	10	5.7s,5.7W		
ISCJB	XI	03 19 21 59.7–.12	1.16N–.02	97.29E–.02	30	5.7s,5.4b		
BJI	XI	03 19 21 59.1	1.01N	97.33E	35	6.1s,6.0b		
MOS	XI	03 19 22 00.6–.98	1.26N	97.35E	33	5.6b,5.5s		
TEH	XI	03 19 22 02.0	1.21N	97.31E	35	5.6b,5.5s		
GCMT	XI	03 19 22 03.3–.10	0.91N	96.97E	24–0	5.7W,5.5s		
DJA	XI	03 19 22 03.4–.90	1N–3.0	97E–3.0	39–7	6.0b,5.7		
SZGRF	XI	03 19 22 11.8	1.61N	95.66E	26	5.4s,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.3km s-min=9.7km az=41.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.5km az=216.0. Felt [IV] at Gunungsitoli. Moment Tensor Solution. s77 Moment tensor: Scale 10^{17}Nm; M_{rr}3.40 $M_{\theta\theta}$-1.69 $M_{\phi\phi}$-1.71 $M_{r\theta}$1.88 $M_{\theta\phi}$2.08 $M_{\phi r}$-2.06 Best double couple: NP1:ϕ_s313.00000°,δ26.00000°,λ87.00000°. NP2:ϕ_s137.00000°,δ64.00000°,λ92.00000°. Principal axes: T 4.3600,Plg71.0000° ,Azm50.0000°; N 0.3800,Plg1.0000°,Azm316.0000°; P -4.7300,Plg18.0000°,Azm225.0000° $M_0$4.60000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.0km az=32.8.
MOS Error ellipse: s-maj=7.6km s-min=4.0km az=118.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 78, comp=127, per= 50. Moment Tensor Solution. s86,c167; s35,c38; Moment tensor: Scale 10^{17}Nm; M_{rr}2.63±.06 $M_{\theta\theta}$-1.15±.05; $M_{\phi\phi}$-1.48±.05; $M_{r\theta}$3.41±.15; $M_{\theta\phi}$1.85±.04; $M_{\phi r}$-2.79±.14; Best double couple: NP1:ϕ_s328.00000°,δ17.00000°,λ107.00000°. NP2:ϕ_s130.00000°,δ73.00000°,λ85.00000°. Principal axes: T 5.0400,Plg61.0000°,Azm33.0000°; N 0.4900,Plg5.0000°,Azm132.0000° ; P -5.5200,Plg28.0000°,Azm224.0000° $M_0$5.30000×10^{17}
SZGRF Off west coast of northern Sumatera, Indonesia.

(686) West Chile Rise

ISC	**XI**	**04 07 38 29.7–.36**	**36.96S–.07**	**96.0W–.10**	**10**	**4.8b,4.0s**	**316**	**20-173**
ISCJB	XI	04 07 38 28.0–.36	36.94S–.07	96.1W–.10	10	4.8b,4.0s		¶11392427
IDC	XI	04 07 38 27.3–.59	36.98S	96.04W	0	4.5,4.4		
NEIC	XI	04 07 38 29.4–.31	36.97S	96.06W	10	4.9b,4.4		
BJI	XI	04 07 38 29.6	36.90S	96.10W	10	5.7b,5.3s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=9.2km az=161.9.
IDC Error ellipse: s-maj=20.7km s-min=16.7km az=95.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.3km az=79.0.

(9) Fox Islands

ISC	**XI**	**05 05 04 46.9–.11**	**52.01N–.02**	**170.53W–.02**	**38**	**5.3b,4.8s**	**1358**	**1-160**
ISCJB	XI	05 05 04 44.9–.11	51.97N–.02	170.51W–.02	36	5.3b,4.8s		¶13399281
BJI	XI	05 05 04 45.2	52.56N	171.09W	19	5.4b,5.3b		
MOS	XI	05 05 04 45.9–.91	52.19N	170.74W	33	5.6b,4.7s		
IDC	XI	05 05 04 45.2–2.1	52.05N	170.56W	26–12	5.0,4.9		
BGS	XI	05 05 04 46.2–2.0	52.04N	170.54W	33–0	4.8b,4.9		
NEIC	XI	05 05 04 46.1–.89	52.04N	170.54W	30–6	5.4b,5.3L		
GCMT	XI	05 05 04 47.7–.20	51.83N	170.56W	17–0	5.3W,5.3L		
DJA	XI	05 05 05 38	52.34N	174.36W	419	4.9b,5.3L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=1.6km az=8.4.
MOS Error ellipse: s-maj=9.2km s-min=4.0km az=91.3.
IDC Error ellipse: s-maj=16.0km s-min=8.8km az=172.0.
BGS Error ellipse: s-maj=411.0km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.2km az=185.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s70,c108; s85,c141; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s280.00000°,δ22.00000°,λ125.00000°. NP2:ϕ_s64.00000° ,δ72.00000°,λ77.00000°. Principal axes: T 1.1600,Plg61.0000°,Azm315.0000° ; N 0.0500,Plg12.0000°,Azm68.0000°; P -1.2100,Plg26.0000°,Azm164.0000° $M_0$1.20000×10^{17}

(249) Luzon

ISC	**XI**	**06 01 04 30.0–.17**	**13.00N–.02**	**124.40E–.03**	**10**	**4.8b,4.4s**	**381**	**1-167**
IDC	XI	06 01 04 28.0–.39	12.93N	124.33E	0	4.6,4.6		¶11396232
ISCJB	XI	06 01 04 28.2–.17	12.99N–.02	124.42E–.03	10	4.8b,4.4s		
MAN	XI	06 01 04 30	13.12N	124.37E	15	5.6b,5.0s		
BJI	XI	06 01 04 30.1	12.68N	124.41E	37	5.0b,4.7s		
MOS	XI	06 01 04 31.2–.98	12.92N	124.33E	33	5.2b,4.5s		
GCMT	XI	06 01 04 32.4–.10	13.06N	124.48E	25–0	5.2W,4.5s		
NEIC	XI	06 01 04 33.4–.71	12.92N	124.37E	36–6	5.1b,4.5s		
TEH	XI	06 01 04 33.0	12.91N	124.41E	35	5.1b,4.5s		
DJA	XI	06 01 04 54	12.47N	124.33E	156	4.9b,4.5s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.0km s-min=9.9km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=164.5.
MAN Event type fe. INTENSITY III - SORSOGON CITY LEGASPI CITY CATARMAN N. SAMAR; VIRAC CATANDUANES; INTENSITY II - CAN-AVID N. SAMAR.
MOS Error ellipse: s-maj=10.6km s-min=5.5km az=121.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c119; s92,c171; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.04±.19 $M_{\theta\theta}$8.22±.14; $M_{\phi\phi}$-1.18±.16; $M_{r\theta}$1.09±.27; $M_{\theta\phi}$-0.05±.11; $M_{\phi r}$1.31±.35; Best double couple: NP1:ϕ_s102.00000°,δ42.00000°,λ-72.00000°. NP2:ϕ_s259.00000°,δ50.00000°,λ-106.00000°. Principal axes: T 8.3000,Plg4.0000° ,Azm360.0000°; N -0.9000,Plg12.0000°,Azm269.0000°; P -7.3900,Plg77.0000° ,Azm108.0000° $M_0$7.90000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.1km az=74.0. Felt [III PIVS] at Catarman and [II PIVS] at Can-Avid. Also felt [III PIVS] at Legaspi and Sorsogon, Luzon and at Virac, Catanduanes.

(249) Luzon

ISC	**XI**	**06 07 45 57.2–.15**	**13.08N–.02**	**124.50E–.03**	**10**	**5.0b,4.5s**	**396**	**1-154**
BJI	XI	06 07 45 54.0	12.50N	124.73E	40	5.1b,4.9b		¶11396248
ISCJB	XI	06 07 45 55.4–.15	13.08N–.02	124.51E–.03	10	5.0b,4.5s		
MAN	XI	06 07 45 57	13.02N	124.32E	9	5.7b,5.1s		
MOS	XI	06 07 45 58.0–1.1	12.97N	124.41E	33	5.3b,4.6s		
GCMT	XI	06 07 45 59.3–.20	13.03N	124.52E	26–0	5.2W,4.6s		
IDC	XI	06 07 45 59.7–2.6	12.94N	124.44E	33–19	4.5,4.5b		
NEIC	XI	06 07 46 01.2–.58	12.98N	124.48E	45–5	5.2b,4.5b		
DJA	XI	06 07 46 07	13.19N	124.66E	108	5.4W,4.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=174.6.
MAN Event type fe. INTENSITY IV - SORSOGON CITY; INTENSITY III - CATARMAN N. SAMAR; LEGASPI CITY; VIRAC CATANDUANES.
MOS Error ellipse: s-maj=9.8km s-min=5.3km az=115.4.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s57,c90; s81,c147; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.92±.23 $M_{\theta\theta}$7.73±.16; $M_{\phi\phi}$-3.81±.22; $M_{r\theta}$-3.52±.29; $M_{\theta\phi}$1.26±.13; $M_{\phi r}$3.01±.43; Best double couple: NP1:ϕ_s228.00000°,δ46.00000°,λ-152.00000°. NP2:ϕ_s117.00000°,δ71.00000°,λ-48.00000°. Principal axes: T 8.7200,Plg15.0000° ,Azm178.0000°; N -1.0800,Plg39.0000°,Azm281.0000°; P -7.6400,Plg47.0000° ,Azm71.0000° $M_0$8.20000×10^{16}
IDC Error ellipse: s-maj=14.2km s-min=8.5km az=72.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.8km az=80.0. Felt [IV PIVS] at Sorsogon and [III PIVS] at Legaspi, Luzon. Felt [III PIVS] at Catarman and [II PIVS] at Can-Avid, Samar. Felt at Calbayog. Also felt [III PIVS] at Virac, Catanduanes.

(177) Kermadec Islands region

ISC	**XI**	**06 09 11 03.1–1.0**	**29.97S–.02**	**177.30W–.03**	**4–6**	**5.7s,5.6b**	**795**	**1-172**
BJI	XI	06 09 11 01.5	29.28S	176.73W	5	6.1b,5.8s		¶11396250
ISCJB	XI	06 09 11 02.9–.93	30.02S–.02	177.35W–.03	13–5	5.7s,5.6b		
IDC	XI	06 09 11 02.7–.36	29.78S	177.18W	0	5.6,5.6s		
NEIC	XI	06 09 11 06.0–2.0	29.86S	177.44W	19–12	5.9W,5.7s		
MOS	XI	06 09 11 07.9–1.2	29.59S	177.42W	33	5.7s,5.7b		
GCMT	XI	06 09 11 09.7–.10	29.66S	176.95W	22–0	5.9W,5.7b		
DJA	XI	06 09 11 12	29.83S	177.32W	64	6.1W,5.7b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.4km az=41.6.
IDC Error ellipse: s-maj=15.5km s-min=13.4km az=25.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=144.0.
MOS Error ellipse: s-maj=8.8km s-min=7.9km az=79.5.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=240, per= 50. Moment Tensor Solution. s108,c235; s71,c88; Moment tensor: Scale 10^{17}Nm; M_{rr}6.23±.06 $M_{\theta\theta}$-0.11±.05; $M_{\phi\phi}$-6.12±.05; $M_{r\theta}$1.01±.10; $M_{\theta\phi}$-1.93±.04; $M_{\phi r}$5.42±.11; Best double couple: NP1:ϕ_s201.00000°,δ25.00000°,λ98.00000°. NP2:ϕ_s12.00000°,δ65.00000°,λ87.00000°. Principal axes: T 8.2800,Plg70.0000°,Azm275.0000°; N 0.4300,Plg3.0000°,Azm14.0000° ; P -8.7100,Plg20.0000°,Azm105.0000° $M_0$8.50000×10^{17}

(186) Vanuatu Islands

ISC	**XI**	**07 07 19 35.2–.08**	**14.88S–.02**	**168.06E–.02**	**10**	**6.2s,5.9b**	**1012**	**7-169**
NOU	XI	07 07 19 29.8–.30	14.36S	168.38E	30–0	4.5,3.9L		¶13399479
ISCJB	XI	07 07 19 33.6–.08	14.89S–.02	168.00E–.02	10	6.2s,5.9b		
IDC	XI	07 07 19 33.1–.33	14.88S	168.15E	0	6.2s,6.2		
LDG	XI	07 07 19 34.7–.29	14.68S	168.04E	10–0	6.2b,6.1s		
NEIC	XI	07 07 19 35.7–.13	14.83S	168.03E	13	6.4W,6.3s		
MOS	XI	07 07 19 37.6–1.3	14.82S	168.01E	33	6.1s,6.1b		
BJI	XI	07 07 19 37.6	14.31S	168.02E	24	6.5b,6.3s		
GCMT	XI	07 07 19 41.0–.00	14.92S	168.15E	12	6.4W,6.3s		
DJA	XI	07 07 19 44	14.98S	168.11E	82	6.9W,6.3s		

ISC Event type ke.
NOU Error ellipse: s-maj=10.5km s-min=116.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=168.2.
IDC Error ellipse: s-maj=12.8km s-min=12.4km az=93.0.
LDG Event type ke. Error ellipse: s-maj=37.3km s-min=12.2km az=95.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=160.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s75 Moment tensor: Scale 10^{18}Nm; M_{rr}2.53 $M_{\theta\theta}$-0.42 $M_{\phi\phi}$-2.11 $M_{r\theta}$0.41 $M_{\theta\phi}$-0.06 $M_{\phi r}$1.41 Best double couple: NP1:ϕ_s9.00000°,δ61.00000°,λ96.00000°. NP2: ϕ_s177.00000°,δ29.00000°,λ80.00000°. Principal axes: T 2.9700,Plg73.0000°,Azm292.0000° ; N -0.4500,Plg4.0000°,Azm186.0000°; P -2.5200,Plg15.0000°,Azm94.0000° $M_0$2.80000×10^{18} Moment Tensor Solution. $M_0$1.00000×10^{19}
MOS Error ellipse: s-maj=6.4km s-min=6.2km az=113.7.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 105 sta. Surface waves: sta=119, comp=297, per= 50. Moment Tensor Solution. s116,c284; s99,c197; Moment tensor: Scale 10^{18}Nm; M_{rr}3.98±.02 $M_{\theta\theta}$0.06±.02; $M_{\phi\phi}$-4.04±.02; $M_{r\theta}$0.09±.05; $M_{\theta\phi}$1.09±.02; $M_{\phi r}$1.80±.05; Best double couple: NP1:ϕ_s158.00000°,δ34.00000°,λ78.00000°. NP2:ϕ_s353.00000°,δ57.00000°,λ98.00000°. Principal axes: T 4.3900,Plg77.0000° ,Azm289.0000°; N 0.2600,Plg7.0000°,Azm169.0000°; P -4.6600,Plg11.0000°,Azm77.0000° $M_0$4.50000×10^{18}

(186) Vanuatu Islands

ISC	**XI**	**07 07 35 46.1–.22**	**15.01S–.03**	**168.03E–.04**	**10**	**5.5s,5.1b**	**207**	**7-167**
IDC	XI	07 07 35 43.1–.55	15.01S	168.00E	0	5.7,5.6s		¶12072641
ISCJB	XI	07 07 35 44.6–.21	15.04S–.03	167.95E–.04	10	5.5s,5.1b		
LDG	XI	07 07 35 44.6–.36	14.71S	167.79E	10–0	5.4b,5.1b		

BJI XI 07 07 35 45.2 14.37S 168.31E 11 5.7s,5.7b
NEIC XI 07 07 35 45.7–.24 14.95S 167.94E 10 5.3b,5.7b
GCMT XI 07 07 35 47.5–.20 14.81S 168.21E 12 5.7W,5.7b
MOS XI 07 07 35 47.7–1.5 14.94S 167.88E 33 5.4b,5.7b
DJA XI 07 07 36 00 15.12S 167.77E 107 5.1b,5.7b
ISC Event type ke.
IDC Error ellipse: s-maj=18.2km s-min=15.7km az=142.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=12.3.
LDG Event type ke. Error ellipse: s-maj=45.7km s-min=11.3km az=92.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.9km az=149.0.
GCMT Event type se. Data Used: IU G IC CN II. Moment Tensor Solution. s7,c7; s87,c157; Moment tensor: Scale 10^{17}Nm; M_{rr}2.83±.07 $M_{\theta\theta}$-0.59±.07; $M_{\phi\phi}$-2.24±.06; $M_{r\theta}$-1.67±.43; $M_{\theta\phi}$0.54±.06; $M_{\theta r}$2.81±.27; Best double couple: NP1:ϕ_s169.00000°,δ20.00000°,λ105.00000°. NP2:ϕ_s333.00000°,δ71.00000°,λ85.00000°. Principal axes: T 4.4300,Plg64.0000° ,Azm234.0000°; N -0.5000,Plg5.0000°,Azm335.0000°; P -3.9300,Plg26.0000°,Azm67.0000° $M_0$4.20000×10^{17}
MOS Error ellipse: s-maj=11.0km s-min=8.7km az=177.3.

(186) Vanuatu Islands

ISC	**XI**	**07 07 45 52.8–.13**	**15.00S–.03**	**168.03E–.03**	**10**	**5.5s,5.2b**	**321**	**7-167**
IDC	XI	07 07 45 49.9–.49	14.96S	168.16E	0	5.1,5.0b		**¶11396593**
DJA	XI	07 07 45 50	15.18S	168.46E	10	5.6b,5.0b		
ISCJB	XI	07 07 45 51.1–.13	15.04S–.03	167.98E–.03	10	5.5s,5.2b		
NEIC	XI	07 07 45 52.4–.24	14.95S	168.08E	10	5.2b,5.2b		
LDG	XI	07 07 45 53.5–.32	14.76S	167.40E	10–0	5.5b,5.2b		
MOS	XI	07 07 45 55.4–1.6	14.88S	167.93E	33	5.2b,5.2b		
BJI	XI	07 07 45 55.3	14.35S	168.08E	26	5.8b,5.7s		

ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=13.9km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=143.1.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.7km az=142.0.
LDG Event type ke. Error ellipse: s-maj=40.5km s-min=9.6km az=90.0.
MOS Error ellipse: s-maj=10.1km s-min=8.5km az=25.0.

(210) South of Mariana Islands

ISC	**XI**	**07 08 37 51.2–1.6**	**12.44N–.03**	**144.04E–.02**	**31–11**	**5.3b,4.7s**	**761**	**1-156**
IDC	XI	07 08 37 45.7–.38	12.40N	144.08E	0	5.2,5.2		**¶11396595**
MOS	XI	07 08 37 48.8–1.1	12.38N	144.02E	32	5.5b,5.2		
ISCJB	XI	07 08 37 48.6–1.5	12.47N–.03	143.98E–.02	23–10	5.3b,4.7s		
BJI	XI	07 08 37 49.2	12.55N	144.23E	32	5.4b,5.3b		
NEIC	XI	07 08 37 51.1–.15	12.37N	144.05E	35	5.3b,5.3b		
DJA	XI	07 08 37 53	12.47N	144.42E	69	5.1b,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=14.6km s-min=9.6km az=100.0.
MOS Error ellipse: s-maj=8.3km s-min=5.1km az=104.1.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.6km az=169.6.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=4.1km az=149.0. Felt at Hagatna and Santa Rita.

(280) Banda Sea

ISC	**XI**	**07 09 18 08.5–2.5**	**7.36S–.04**	**127.91E–.04**	**10–18**	**4.2b**	**74**	**3-127**
ISCJB	XI	07 09 18 06.0–2.0	7.31S–.04	127.89E–.04	7–14	4.2b		**¶11396598**
IDC	XI	07 09 18 07.0–.78	7.29S	127.69E	0	4.3L,4.3		
NEIC	XI	07 09 18 09.1–.53	7.33S	127.73E	15	4.5b,4.3		
DJA	XI	07 09 18 10.7–.30	7S–2.0	128E–3.0	30–0	5.5b,5.3		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(186) Vanuatu Islands

ISC	**XI**	**07 09 40 00.7–.10**	**14.97S–.02**	**168.06E–.02**	**10**	**5.5b,4.9s**	**592**	**7-169**
NOU	XI	07 09 39 58.2–.81	14.51S	167.98E	30–0	3.9L,3.8		**¶13399490**
IDC	XI	07 09 39 58.3–.42	14.95S	168.19E	0	5.3,5.3		
ISCJB	XI	07 09 39 59.0–.10	15.01S–.03	168.01E–.02	10	5.5b,4.9s		
NEIC	XI	07 09 40 00.5–.15	14.92S	168.12E	10	5.5b,4.9s		
LDG	XI	07 09 40 00.2–.30	14.73S	168.02E	10–0	5.8b,4.9s		
GCMT	XI	07 09 40 03.2–.20	15.02S	168.20E	18–0	5.5W,4.9s		
MOS	XI	07 09 40 03.5–1.4	14.86S	168.02E	34	5.5b,4.8s		
BJI	XI	07 09 40 04.2	14.25S	168.11E	29	5.7b,5.4b		
DJA	XI	07 09 40 13	15.21S	168.03E	115	5.7W,5.4b		

ISC Event type ke.
NOU Error ellipse: s-maj=11.1km s-min=53.7km az=-1.0.
IDC Error ellipse: s-maj=16.3km s-min=14.4km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=157.2.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.4km az=155.0.
LDG Event type ke. Error ellipse: s-maj=38.0km s-min=12.4km az=95.0.
GCMT Event type se. Data Used: II IU G IC CN. Surface waves: sta= 98, comp=161, per= 50. Moment Tensor Solution. s65,c100; s11,c11; Moment tensor: Scale 10^{17}Nm; M_{rr}1.98±.07 $M_{\theta\theta}$-0.68±.05; $M_{\phi\phi}$-1.30±.05; $M_{r\theta}$0.06±.11; $M_{\theta\phi}$0.89±.03; $M_{\phi r}$0.52±.10; Best double couple: NP1:ϕ_s135.00000°,δ40.00000°,λ76.00000°. NP2:ϕ_s334.00000°,δ51.00000°,λ102.00000°. Principal axes: T 2.0800,Plg79.0000°,Azm294.0000°; N -0.1000,Plg9.0000°,Azm147.0000° ; P -1.9700,Plg6.0000°,Azm56.0000° $M_0$2.00000×10^{17}
MOS Error ellipse: s-maj=8.1km s-min=7.9km az=100.1.

(83) South of Panama

ISC	**XI**	**07 13 41 02.0–2.2**	**6.24N–.05**	**82.50W–.04**	**26–16**	**4.4b,3.8s**	**406**	**4-142**
IDC	XI	07 13 40 57.3–.80	6.16N	82.73W	0	4.5,4.4		**¶11396696**
NEIC	XI	07 13 40 58.9–.38	6.18N	82.62W	10	4.5b,4.4		
ISCJB	XI	07 13 40 59.7–2.3	6.25N–.05	82.51W–.04	23–17	4.4b,3.8s		
BJI	XI	07 13 40 59.2	6.10N	82.60W	10	5.6b,3.8s		

ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=15.2km az=48.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.1km az=203.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.8km az=6.8.

(280) Banda Sea

ISC	**XI**	**07 16 04 26.5–.63**	**6.71S–.02**	**129.29E–.02**	**31–4**	**5.9s,5.7b**	**571**	**2-169**
BJI	XI	07 16 04 15.2	7.19S	129.78E	8	5.9s,5.9b		**¶12072708**
IDC	XI	07 16 04 21.4–.35	6.75S	128.98E	0	6.1,6.1s		
TEH	XI	07 16 04 22.0	7.06S	128.88E	10	6.1,6.1s		
ISCJB	XI	07 16 04 23.0–.62	6.72S–.02	129.31E–.02	19–4	5.9s,5.7b		
NEIC	XI	07 16 04 23.4–.11	6.71S	129.07E	10	6.2W,5.9b		
MOS	XI	07 16 04 27.8–.86	6.22S	129.04E	33	6.0b,5.8s		
DJA	XI	07 16 04 27.4–.80	7S–3.0	129E–2.0	39–7	6.5b,6.2		
GCMT	XI	07 16 04 28.6–.10	6.62S	129.24E	20–0	6.2W,6.2		

ISC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=7.6km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.3km az=138.7.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.6km az=58.0.
MOS Error ellipse: s-maj=10.8km s-min=6.1km az=108.4.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=117, comp=258, per= 50. Moment Tensor Solution. s115,c253; s97,c154; Moment tensor: Scale 10^{18}Nm; M_{rr}0.19±.01 $M_{\theta\theta}$-2.34±.02; $M_{\phi\phi}$2.16±.02; $M_{r\theta}$-0.17±.03; $M_{\theta\phi}$0.29±.01; $M_{\phi r}$0.37±.03; Best double couple: NP1:ϕ_s49.00000°,δ80.00000°,λ4.00000°. NP2:ϕ_s318.00000°,δ86.00000°,λ170.00000°. Principal axes: T 2.2400,Plg10.0000°,Azm273.0000°; N 0.1400,Plg79.0000°,Azm117.0000° ; P -2.3700,Plg4.0000°,Azm4.0000° $M_0$2.30000×10^{18}

(280) Banda Sea

ISC	**XI**	**07 16 04 20.1–.26**	**6.70S–.04**	**129.32E–.04**	**35**	**5.8s,4.6b**	**101**	**3-147**
IDC	XI	07 16 04 13.9–.08	6.86S	129.45E	0	4.6,4.5b		**¶11396606**
NEIC	XI	07 16 04 15.8–.33	6.74S	129.21E	10	4.6b,4.5b		
ISCJB	XI	07 16 04 17.6–.25	6.73S–.03	129.30E–.04	33	5.8s,4.6b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

(325) Qinghai

ISC	**XI**	**10 01 21 59.7–.50**	**37.62N–.01**	**95.89E–.01**	**0–3**	**6.5s,6.3b**	**1959**	**4-169**
IDC	XI	10 01 21 58.9–.27	37.59N	95.97E	0	6.3s,6.3		**¶13399710**
ISCJB	XI	10 01 21 59.6–.07	37.58N–.01	95.81E–.01	10	6.5s,6.2b		
BJI	XI	10 01 21 59.1	37.66N	95.91E	16	6.6s,6.5L		
MOS	XI	10 01 22 02.5–.90	37.50N	95.94E	39	6.5s,6.4b		
NEIC	XI	10 01 22 02.6–.09	37.57N	95.83E	19	6.4b,6.4s		
NNC	XI	10 01 22 05.8–1.9	38.01N	95.36E	6–13	6.1b,6.4s		
SZGRF	XI	10 01 22 06.0	37.85N	95.84E	33	6.7s,6.6b		
DJA	XI	10 01 22 08	37.81N	95.79E	78	6.6W,6.6b		
GCMT	XI	10 01 22 10.2–.10	37.51N	95.75E	27–0	6.3W,6.6b		
BGS	XI	10 01 22 15.5–2.3	38.54N	93.25E	20–0	6.7s,5.8b		

ISC Event type de.
IDC Error ellipse: s-maj=7.7km s-min=5.6km az=51.0.
ISCJB Event type de. Error ellipse: s-maj=2.0km s-min=1.4km az=19.5.
MOS Error ellipse: s-maj=5.5km s-min=3.5km az=124.4.
NEIC Event type de. Error ellipse: s-maj=2.6km s-min=2.2km az=19.0. Three people injured, several buildings damaged and utilities disrupted at the Dameigou Coal Mine. Damage at the mine was estimated at 4 million US dollars. Several homes collapsed at Golmud. About 20 homes damaged and utilities disrupted at Da Qaidam. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s134 Moment tensor: Scale 10^{18}Nm; M_{rr}1.40 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$-0.14 $M_{r\theta}$0.81 $M_{\theta\phi}$0.05 $M_{\phi r}$-0.30 Best double couple: NP1:ϕ_s265.00000°,δ29.00000°,λ76.00000°. NP2:ϕ_s101.00000° ,δ61.00000°,λ98.00000°. Principal axes: T 1.6700,Plg72.0000°,Azm29.0000° ; N -0.1700,Plg6.0000°,Azm277.0000°; P -1.5000,Plg16.0000°,Azm185.0000° $M_0$1.60000×10^{18}
NNC Error ellipse: s-maj=19.1km s-min=10.8km az=21.0.
SZGRF Qinghai, China.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=114, comp=279, per= 50. Moment Tensor Solution. s109,c262; s94,c142; Moment tensor: Scale 10^{18}Nm; M_{rr}2.51±.03 $M_{\theta\theta}$-3.48±.02; $M_{\phi\phi}$0.97±.02; $M_{r\theta}$2.49±.05; $M_{\theta\phi}$0.20±.02; $M_{\phi r}$-0.99±.05; Best double couple: NP1:ϕ_s252.00000°,δ28.00000°,λ57.00000°. NP2:ϕ_s108.00000°,δ67.00000°,λ106.00000°. Principal axes: T 3.6900,Plg64.0000°,Azm45.0000°; N 0.7500,Plg15.0000°,Azm282.0000° ; P -4.4300,Plg20.0000°,Azm186.0000° $M_0$4.10000×10^{18}
BGS Error ellipse: s-maj=599.9km s-min=913.6km az=-1.0.

(325) Qinghai

ISC	**XI**	**10 03 47 22.5–1.2**	**37.55N–.03**	**95.80E–.02**	**7–7**	**4.8b,4.3s**	**611**	**4-155**
SZGRF	XI	10 03 47 13.0	37.55N	99.54E	33	5.5b,4.3s		**¶11415157**
IDC	XI	10 03 47 20.8–.42	37.56N	95.91E	0	4.7,4.7		
BJI	XI	10 03 47 21.3	37.72N	95.82E	8	5.0b,4.8L		
ISCJB	XI	10 03 47 22.0–.13	37.53N–.02	95.73E–.02	13	4.8b,4.3s		
NEIC	XI	10 03 47 23.0–.13	37.56N	95.76E	10	5.0b,4.3s		
MOS	XI	10 03 47 24.5–.79	37.54N	95.80E	33	5.1b,4.2s		
DJA	XI	10 03 47 28	37.65N	95.56E	56	4.9W,4.2s		
NNC	XI	10 03 47 35.8–2.9	37.89N	94.34E	26–23	4.7b,4.2s		

ISC Event type se.
SZGRF Qinghai, China.
IDC Error ellipse: s-maj=17.8km s-min=8.6km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.6km az=176.3.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=3.0km az=156.0.
MOS Error ellipse: s-maj=6.8km s-min=4.0km az=122.7.
NNC Error ellipse: s-maj=19.7km s-min=10.8km az=24.0.

(197) Near north coast of Irian Jaya

ISC	**XI**	**10 08 36 32.0–1.3**	**2.37S–.08**	**139.16E–.05**	**29–12**	**3.7b**	**26**	**1-85**
IDC	XI	10 08 36 27.8–1.3	2.34S	139.16E	0	4.0,4.0L		**¶11415169**
DJA	XI	10 08 36 28.7–1.1	2S–10	139E–4.0	30–8	5.8b,5.5		
ISCJB	XI	10 08 36 31.1–.80	2.41S–.08	139.09E–.05	34–12	3.7b,5.5		
NEIC	XI	10 08 36 33.1–.83	2.40S	139.16E	35	3.6b,5.5		

ISC Event type se.
IDC Error ellipse: s-maj=54.2km s-min=21.5km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=8.1km az=11.4.
NEIC Event type se. Error ellipse: s-maj=32.6km s-min=11.5km az=98.0.

(325) Qinghai

ISC	**XI**	**11 21 56 00.7–.77**	**37.54N–.02**	**95.86E–.02**	**1–4**	**5.2b,4.8s**	**1030**	**4-166**
BJI	XI	11 21 55 59.3	37.68N	95.75E	10	5.4L,5.3s		**¶13399870**
IDC	XI	11 21 55 59.8–.42	37.56N	95.98E	0	5.0,5.0		
ISCJB	XI	11 21 56 00.5–.10	37.54N–.02	95.78E–.02	10	5.2b,4.8s		
NEIC	XI	11 21 56 01.8–.12	37.54N	95.84E	10	5.4b,4.8s		
MOS	XI	11 21 56 03.2–.84	37.53N	95.89E	32	5.5b,4.9s		
GCMT	XI	11 21 56 04.6–.20	37.52N	95.82E	24–1	5.1W,4.9s		
SZGRF	XI	11 21 56 04.8	37.26N	96.17E	33	5.3b,5.0s		
DJA	XI	11 21 56 05	37.79N	95.53E	10	5.3b,5.0s		
NNC	XI	11 21 56 10.0–5.2	38.02N	95.26E	23–36	5.2b,5.0s		

ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=10.6km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=1.9km az=10.6.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.8km az=220.0.
MOS Error ellipse: s-maj=5.7km s-min=3.4km az=122.8.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s37,c57; s86,c134; Moment tensor: Scale 10^{16}Nm; M_{rr}2.07±.17 $M_{\theta\theta}$-0.96±.11; $M_{\phi\phi}$-1.12±.12; $M_{r\theta}$3.33±.22; $M_{\theta\phi}$4.03±.10; $M_{\phi r}$-1.26±.16; Best double couple: NP1:ϕ_s357.00000°,δ41.00000°,λ158.00000°. NP2:ϕ_s104.00000°,δ76.00000°,λ51.00000°. Principal axes: T 4.5700,Plg45.0000° ,Azm335.0000°; N 1.7700,Plg37.0000°,Azm114.0000°; P -6.3500,Plg22.0000° ,Azm222.0000° $M_0$5.50000×10^{16}
SZGRF Qinghai, China.
NNC Error ellipse: s-maj=36.8km s-min=22.8km az=30.0.

(259) Mindanao

ISC	**XI**	**12 02 04 52.9–.38**	**7.01N–.02**	**126.36E–.03**	**54–3**	**5.0b,4.2s**	**371**	**0-163**
BJI	XI	12 02 04 45.3	6.39N	126.73E	44	5.1b,5.1b		**¶13399882**
MOS	XI	12 02 04 49.9–1.2	7.03N	126.32E	44	5.3b,5.1b		
ISCJB	XI	12 02 04 50.5–.38	6.99N–.02	126.38E–.03	48–3	5.0b,4.2s		
TEH	XI	12 02 04 51.0	6.98N	126.39E	35	5.0b,4.2s		
MAN	XI	12 02 04 51	6.96N	126.22E	34	5.6b,5.0s		
IDC	XI	12 02 04 51.1–1.3	6.96N	126.36E	43–11	4.6,4.6		
NEIC	XI	12 02 04 52.2–1.1	6.99N	126.33E	49–9	5.0b,4.6		
GCMT	XI	12 02 04 53.1–.30	6.89N	126.27E	36–2	5.1W,4.6		
DJA	XI	12 02 04 55	6.89N	126.25E	52	5.5W,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=12.0km s-min=5.7km az=115.8.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.8km az=166.3.
MAN Event type fe. INTENSITY IV - MATI DAVAO ORIENTAL; INTENSITY III - MANAY DAVAO ORIENTAL; TAGUM CITY.
IDC Error ellipse: s-maj=14.8km s-min=8.3km az=77.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=5.0km az=65.0. Felt [IV PIVS] at Mati; [III PIVS] at Manay and Tagum; [II PIVS] at Davao; [I PIVS] at General Santos.
GCMT Event type se. Data Used: IU G IC II CN. Moment Tensor Solution. s31,c36; s70,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}1.53±.26 $M_{\theta\theta}$3.46±.18; $M_{\phi\phi}$-4.99±.20; $M_{r\theta}$1.49±.20; $M_{\theta\phi}$-1.29±.16; $M_{\phi r}$1.74±.30; Best double couple: NP1:ϕ_s144.00000°,δ59.00000°,λ9.00000°. NP2:ϕ_s49.00000°,δ82.00000°,λ149.00000°. Principal axes: T 4.2800,Plg27.0000° ,Azm2.0000°; N 1.4300,Plg58.0000°,Azm217.0000°; P -5.7100,Plg15.0000°,Azm101.0000° $M_0$5.00000×10^{16}

(75) Nicaragua

ISC	**XI**	**13 09 49 51.9–.17**	**10.85N–.03**	**86.07W–.02**	**54**	**5.2b,5.0s**	**859**	**0-166**
IDC	XI	13 09 49 45.2–.45	11.12N	85.79W	0	5.0,4.9s		**¶13400018**
CASC	XI	13 09 49 48.2–3.4	10.68N	86.31W	14–15	5.4b,5.2L		
ISCJB	XI	13 09 49 49.9–.17	10.83N–.03	86.15W–.02	52	5.2b,5.0s		
MOS	XI	13 09 49 51.6–1.3	11.11N	85.94W	53	5.5b,5.2s		
NEIC	XI	13 09 49 51.9–.19	10.84N	86.12W	53	5.4b,5.3W		
GCMT	XI	13 09 49 52.6–.20	10.49N	86.46W	30–0	5.4W,5.3W		
BJI	XI	13 09 49 54.9	10.81N	86.65W	85	5.5s,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.2km s-min=11.3km az=61.0.
CASC Error ellipse: s-maj=8.9km s-min=8.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=1.7km az=28.0.
MOS Error ellipse: s-maj=10.3km s-min=4.6km az=111.1.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=2.6km az=218.0. Felt at Liberia. Moment Tensor Solution. s63 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s141.00000°,δ48.00000°,λ81.00000°. NP2: ϕ_s334.00000°,δ42.00000°,λ100.00000°. Principal axes: T 1.0100,Plg82.0000°,Azm350.0000° ; N 0.0100,Plg6.0000°,Azm146.0000°; P -1.0200,Plg2.0000°,Azm237.0000° $M_0$1.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s90,c158; s95,c172; Moment tensor: Scale 10^{17}Nm; M_{rr}1.18±.03 $M_{\theta\theta}$-0.83±.02; $M_{\phi\phi}$-0.35±.02; $M_{r\theta}$0.95±.03; $M_{\theta\phi}$0.72±.02; $M_{\phi r}$-0.58±.03; Best double couple: NP1:ϕ_s310.00000°,δ24.00000°,λ96.00000°. NP2:ϕ_s123.00000°,δ66.00000°,λ87.00000°. Principal axes: T 1.6000,Plg69.0000° ,Azm27.0000°; N 0.1700,Plg3.0000°,Azm124.0000°; P -1.7700,Plg21.0000°,Azm215.0000° $M_0$1.70000×10^{17}

(691) Pacific-Antarctic Ridge

ISC	**XI**	**13 16 02 07.2–.55**	**56.71S–.07**	**140.8W–.20**	**10**	**4.7s,4.4b**	**26**	**28-152**
ISCJB	XI	13 16 02 05.3–.55	56.75S–.07	140.8W–.20	10	4.7s,4.4b		**¶11452909**
IDC	XI	13 16 02 06.1–.87	56.61S	141.40W	0	4.6s,4.5		
NEIC	XI	13 16 02 08.3–.82	56.92S	140.80W	10	4.8s,4.7b		
BJI	XI	13 16 02 09.1	57.00S	140.50W	10	5.5b,5.4s		
GCMT	XI	13 16 02 13.0	57.09S	141.06W	20	5.5W,5.4s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=9.8km az=169.8.
IDC Error ellipse: s-maj=39.5km s-min=25.9km az=175.0.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=20.6km az=210.0.
GCMT Event type se. Data Used: II IU G IC CN. Surface waves: sta= 93, comp=157, per= 50. Moment Tensor Solution. s81,c126; s34,c35; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.03 $M_{\theta\theta}$1.36±.03; $M_{\phi\phi}$-1.20±.03; $M_{r\theta}$0.15±.05; $M_{\theta\phi}$1.33±.03; $M_{\phi r}$0.00±.05; Best double couple: NP1:ϕ_s22.00000°,δ86.00000°,λ179.00000°. NP2:ϕ_s112.00000°,δ89.00000°,λ4.00000°. Principal axes: T 1.9400,Plg4.0000°,Azm337.0000°; N -0.1700,Plg86.0000°,Azm127.0000° ; P -1.7700,Plg2.0000°,Azm247.0000° $M_0$1.90000×10^{17}

(412) Bouvet Island region

ISC	**XI**	**14 02 05 10.2–.17**	**53.82S–.03**	**8.87E–.08**	**10**	**5.5b,5.5s**	**271**	**17-169**
IDC	XI	14 02 05 07.8–.39	53.69S	8.78E	0	5.4,5.4		¶11452915
BJI	XI	14 02 05 07.7	53.70S	8.70E	10	5.8b,5.7s		
ISCJB	XI	14 02 05 08.7–.17	53.84S–.03	8.81E–.08	10	5.5b,5.5s		
PRE	XI	14 02 05 08.5–5.3	53.70S	8.75E	10–0	5.4b,5.5s		
NEIC	XI	14 02 05 09.9–.16	53.79S	8.73E	12	5.9W,5.8W		
MOS	XI	14 02 05 09.9–1.1	53.78S	9.02E	17	5.6b,5.4s		
DJA	XI	14 02 05 11	53.72S	8.60E	10	5.3b,5.4s		
GCMT	XI	14 02 05 13.1–.10	53.78S	9.09E	14–0	5.9W,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=13.0km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.5km az=177.1.
PRE Error ellipse: s-maj=142.2km s-min=274.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.7km az=103.0. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$5.49 $M_{\phi\phi}$-6.89 $M_{r\theta}$-0.23 $M_{\theta\phi}$1.48 $M_{\phi r}$-0.51 Best double couple: NP1:ϕ_s218.00000°,δ90.00000°,λ175.00000°. NP2:ϕ_s308.00000° ,δ85.00000°,λ0.00000°. Principal axes: T 5.6800,Plg3.0000°,Azm173.0000° ; N 1.4100,Plg84.0000°,Azm33.0000°; P -7.0900,Plg3.0000°,Azm263.0000° $M_0$6.50000×10^{17}
MOS Error ellipse: s-maj=22.6km s-min=7.5km az=90.2.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=117, comp=259, per= 50. Moment Tensor Solution. s100,c197; s84,c113; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.89±.06 $M_{\theta\theta}$8.49±.08; $M_{\phi\phi}$-7.60±.07; $M_{r\theta}$-0.29±.14; $M_{\theta\phi}$2.33±.06; $M_{\phi r}$0.03±.15; Best double couple: NP1:ϕ_s217.00000°,δ88.00000°,λ179.00000°. NP2:ϕ_s307.00000°,δ89.00000°,λ2.00000°. Principal axes: T 8.8300,Plg2.0000°,Azm172.0000°; N -0.8900,Plg88.0000°,Azm333.0000° ; P -7.9300,Plg1.0000°,Azm82.0000° $M_0$8.40000×10^{17}

(412) Bouvet Island region

ISC	**XI**	**14 02 43 54.1–.32**	**53.92S–.04**	**8.6E–.10**	**10**	**4.8s,4.8b**	**82**	**17-164**
ISCJB	XI	14 02 43 52.4–.32	53.93S–.04	8.5E–.10	10	4.8s,4.8b		¶11452916
MOS	XI	14 02 43 52.8–1.3	53.87S	8.57E	10	4.8b,4.8b		
IDC	XI	14 02 43 52.4–.49	53.83S	8.59E	0	4.8,4.8s		
BJI	XI	14 02 43 52.4	53.80S	8.60E	10	5.7s,5.5b		
NEIC	XI	14 02 43 54.3–.20	53.83S	8.58E	10	5.1b,5.5b		
GCMT	XI	14 02 43 58.1–.20	53.86S	8.82E	16–1	5.4W,5.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.2km az=10.5.
MOS Error ellipse: s-maj=27.9km s-min=10.8km az=86.2.
IDC Error ellipse: s-maj=19.7km s-min=14.3km az=92.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.8km az=103.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=197, per= 50. Moment Tensor Solution. s57,c84; s28,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.04 $M_{\theta\theta}$1.73±.04; $M_{\phi\phi}$-1.50±.03; $M_{r\theta}$-0.03±.10; $M_{\theta\phi}$0.35±.03; $M_{\phi r}$-0.28±.11; Best double couple: NP1:ϕ_s308.00000°,δ81.00000°,λ-7.00000°. NP2:ϕ_s40.00000°,δ83.00000°,λ-171.00000°. Principal axes: T 1.7700,Plg2.0000°,Azm174.0000°; N -0.1800,Plg78.0000°,Azm75.0000° ; P -1.5900,Plg12.0000°,Azm264.0000° $M_0$1.70000×10^{17}

(703) Andaman Islands region

ISC	**XI**	**16 12 20 35.7–.73**	**10.88N–.02**	**91.70E–.02**	**17–4**	**5.2b,5.2s**	**736**	**6-165**
SZGRF	XI	16 12 20 30.0	10.07N	92.29E	17	5.1b,5.1s		¶11453299
ISCJB	XI	16 12 20 31.5–.66	10.87N–.02	91.70E–.02	2–4	5.2b,5.2s		
IDC	XI	16 12 20 32.8–.37	10.83N	91.69E	0	5.1,5.1b		
MOS	XI	16 12 20 35.0–.98	10.87N	91.72E	25	5.5b,5.1s		
BJI	XI	16 12 20 35.6	10.93N	91.68E	24	5.4s,5.4b		
NEIC	XI	16 12 20 36.9–1.7	10.83N	91.71E	27–11	5.4b,5.4b		
GCMT	XI	16 12 20 38.8–.10	10.88N	91.82E	12	5.5W,5.4b		
DJA	XI	16 12 20 45	11.12N	92.07E	82	5.4W,5.4b		

ISC Event type fe.
SZGRF Andaman Islands, India, region.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=29.2.
IDC Error ellipse: s-maj=12.5km s-min=8.8km az=48.0.
MOS Error ellipse: s-maj=7.1km s-min=3.9km az=116.1.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=47.0. Felt [IV] at Port Blair.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 102 sta. Moment Tensor Solution. s91,c160; s99,c211; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.87±.02 $M_{\theta\theta}$-0.17±.02; $M_{\phi\phi}$2.04±.02; $M_{r\theta}$0.92±.05; $M_{\theta\phi}$0.55±.02; $M_{\phi r}$-0.30±.05; Best double couple: NP1: ϕ_s216.00000°,δ49.00000°,λ-55.00000°. NP2:ϕ_s350.00000°,δ52.00000°,λ-123.00000°. Principal axes: T 2.1700,Plg1.0000°,Azm103.0000°; N 0.1500,Plg25.0000°,Azm12.0000° ; P -2.3300,Plg65.0000°,Azm196.0000° $M_0$2.30000×10^{17}

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**16 17 02 32.8–.08**	**1.35N–.01**	**122.16E–.01**	**28**	**7.0s,6.3b**	**1183**	**1-168**
BJI	XI	16 17 02 29.1	1.12N	122.45E	30	7.0s,6.9		¶11453303
IDC	XI	16 17 02 30.4–.91	1.21N	122.04E	14–4	6.9s,6.9		
ISCJB	XI	16 17 02 30.8–.08	1.35N–.01	122.18E–.01	27	7.0s,6.3b		
NEIC	XI	16 17 02 32.7–.11	1.27N	122.09E	30	7.4W,7.3W		
MOS	XI	16 17 02 34.1–1.3	1.28N	122.10E	51	7.0s,6.5b		
DJA	XI	16 17 02 35.3–.60	1N–2.0	122E–1.0	36–6	8.0,7.8		
GCMT	XI	16 17 02 43.8–.10	1.50N	122.05E	29–0	7.3W,7.8		
SZGRF	XI	16 17 02 55.5	2.52N	122.30E	33	7.1b,7.8		

ISC Event type de.
IDC Error ellipse: s-maj=7.1km s-min=4.8km az=64.0.
ISCJB Event type de. Error ellipse: s-maj=2.1km s-min=1.9km az=174.9.
NEIC Event type de. Error ellipse: s-maj=4.7km s-min=3.6km az=64.0. At least six people killed, 77 injured, 10,000 people displaced, 1,000 buildings damaged and communications disrupted in the Buol area and in Gorontalo. Felt [VII] at Baolan; [VI] at Gorontalo and Tolitoli; [IV] at Manado and Poso; [III] at Luwuk. Also felt at Kolaka, Kuta, Makasar, Palu and Ujung Bulu. Felt [IV] at Bandar Seri Begawan, Brunei and [II] at Darwin, Australia. Felt at Kunak and Sandakan, Malaysia and at General Santos and Koronadal, Philippines. Complex earthquake, with at least two events about 4 seconds apart observed on broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s270.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s90.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm180.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm360.0000° Moment Tensor Solution. $M_0$4.30000×10^{19}
MOS Error ellipse: s-maj=7.0km s-min=4.1km az=115.0. Moment Tensor Solution. $M_0$1.10000×10^{20}
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 122 sta. Surface waves: sta=120, comp=288, per= 50. Moment Tensor Solution. s124,c325; s99,c304; Moment tensor: Scale 10^{20}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s92.00000°,δ20.00000° ,λ84.00000°. NP2:ϕ_s278.00000°,δ70.00000°,λ92.00000°. Principal axes: T 1.3000,Plg65.0000°,Azm191.0000°; N 0.0400,Plg2.0000°,Azm97.0000° ; P -1.3300,Plg25.0000°,Azm6.0000° $M_0$1.30000×10^{20}
SZGRF Celebes Sea.

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**16 17 34 39.1–.12**	**1.39N–.02**	**122.17E–.02**	**33**	**6.1s,5.5b**	**525**	**1-164**
BJI	XI	16 17 34 35.7	1.35N	122.32E	25	6.0s,5.8b		¶11453307
ISCJB	XI	16 17 34 36.9–.12	1.39N–.02	122.17E–.02	32	6.1s,5.5b		
MOS	XI	16 17 34 37.2–1.1	1.30N	122.09E	35	6.5s,5.8b		
IDC	XI	16 17 34 38.2–.35	1.27N	122.05E	31–2	5.6L,5.6s		
NEIC	XI	16 17 34 38.6–.13	1.29N	122.11E	35	5.6b,5.6s		
DJA	XI	16 17 34 41.2–.20	1N–2.0	122E–1.0	45–3	6.6b,6.4		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Gorontalo and [III] at Manado.

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**16 18 20 35.0–.27**	**1.22N–.02**	**121.84E–.02**	**57–2**	**5.5s,5.4b**	**449**	**1-164**
BJI	XI	16 18 20 26.9	0.99N	122.02E	20	5.9b,5.7s		¶11453310
MOS	XI	16 18 20 31.0–.97	1.14N	121.79E	38	5.6b,5.7s		
NEIC	XI	16 18 20 32.4–.15	1.13N	121.78E	35	5.5b,5.7s		
ISCJB	XI	16 18 20 32.7–.33	1.25N–.02	121.84E–.02	51–3	5.5s,5.4b		
IDC	XI	16 18 20 33.6–1.4	1.11N	121.78E	45–12	5.4s,5.4		
DJA	XI	16 18 20 35.2–.20	1N–2.0	122E–1.0	49–4	6.2b,6.0		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Gorontalo.
ISCJB Event type fe.

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**16 19 16 13.9–.63**	**1.32N–.05**	**122.41E–.06**	**60–8**	**4.3b**	**59**	**1-119**
MOS	XI	16 19 16 09.0–1.2	0.59N	120.84E	33	4.7b		¶12073774
ISCJB	XI	16 19 16 11.7–.66	1.36N–.05	122.34E–.05	57–8	5.7s,4.3b		
NEIC	XI	16 19 16 12.3–.98	1.26N	122.23E	44–10	4.3b,4.3b		
IDC	XI	16 19 16 13.4–5.8	1.27N	122.31E	54–56	4.7L,4.0		
DJA	XI	16 19 16 14	1.43N	122.27E	30	4.7,4.0		

ISC Event type se.
MOS Error ellipse: s-maj=58.7km s-min=12.9km az=113.9.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=7.6km az=170.1.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.7km az=75.0.
IDC Error ellipse: s-maj=78.1km s-min=14.1km az=71.0.

(43) Southern California

ISC	**XI**	**17 12 35 41.3–.33**	**33.46N–.02**	**116.89W–.01**	**8–2**		**195**	**0-100**
ISCJB	XI	17 12 35 40.2–.45	33.41N–.02	116.85W–.01	11–3			¶11456726
BJI	XI	17 12 35 40.0	33.50N	116.90W	12	5.8b,5.2s		
IDC	XI	17 12 35 41.9–2.2	33.52N	116.68W	0	3.4,3.4		
NEIC	XI	17 12 35 42.0	33.50N	116.86W	12	4.1L,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.8km az=20.1.
IDC Error ellipse: s-maj=32.7km s-min=13.7km az=45.0.
NEIC Event type fe. Felt [IV] at Aguanga, Homeland, Julian and Pala; [III] at Aliso Viejo, Anza, Bonsall, Cathedral City, Coronado, Del Mar, Desert Hot Springs, El Cajon, Escondido, Fallbrook, Hemet, Idyllwild, Indian Wells, Indio, La Mesa, La Quinta, Lake Elsinore, Menifee, Moreno Valley, Murrieta, Nuevo, Oceanside, Palm Desert, Palm Springs, Pauma Valley, Perris, Poway, Ramona, Rancho Mirage, Rancho Santa Fe, Riverside, San Diego, San Jacinto, San Marcos, Santee, Spring Valley, Sun City, Temecula, Thousand Palms, Valley Center, Vista, Wildomar, Winchester and Yucca Valley; [II] at Alpine, Borrego Springs, Cardiff by the Sea, Carlsbad, Encinitas, La Jolla, Lakeside, Loma Linda, Mountain Center and Solana Beach. Also felt at Beaumont, Calimesa, Camp Pendleton, Chino Hills, Chula Vista, Colton, Corona, Costa Mesa, Fontana, Glendora, Hermosa Beach, Irvine, Ladera Ranch, Laguna Beach, Lake Forest, Lake Hughes, Landers, Lemon Grove, Midway City, Mission Viejo, Morongo Valley, Pine Valley, Pomona, Rancho Cucamonga, Rancho Santa Margarita, Redlands, Rialto, Santa Ysabel, Trabuco Canyon, Twentynine Palms and Warner Springs. After PAS.

(634) Arctic Ocean

ISC	**XI**	**17 12 55 24.2–.65**	**79.633N–.01**	**116.20W–.09**	**16–4**	**5.4b,5.2s**	**1663**	**5-170**
BGS	XI	17 12 55 17.7–1.7	78.78N	116.83W	10–0	5.4s,5.2b		¶13400435
BJI	XI	17 12 55 19.6	79.61N	116.65W	10	5.7s,5.7b		
IDC	XI	17 12 55 20.9–.29	79.65N	115.88W	0	5.3,5.3		
ISCJB	XI	17 12 55 21.0–.59	79.645N–.01	116.21W–.09	9–3	5.4b,5.2s		
MOS	XI	17 12 55 21.2–.99	79.60N	116.26W	10	5.6b,5.2s		
NEIC	XI	17 12 55 22.8–.10	79.65N	116.06W	7	5.7W,5.7W		
OTT	XI	17 12 55 23.0–.44	79.41N	114.96W	18	5.7W,5.7W		
GCMT	XI	17 12 55 24.4–.10	79.59N	116.59W	12	5.7W,5.7W		
DJA	XI	17 12 55 25	79.96N	116.11W	10	5.7b,5.7W		
SZGRF	XI	17 12 55 41.5	81.55N	108.49W	33	4.9b,4.8s		

ISC Event type ke.
BGS Error ellipse: s-maj=238.6km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=10.4km s-min=8.1km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.4km az=13.1.
MOS Error ellipse: s-maj=24.5km s-min=3.0km az=87.3.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.8km az=112.0. Moment Tensor Solution. s106 Moment tensor: Scale 10^{17}Nm; M_{rr}1.88 $M_{\theta\theta}$-1.11 $M_{\phi\phi}$-0.77 $M_{r\theta}$1.34 $M_{\theta\phi}$-0.55 $M_{\phi r}$0.68 Best double couple: NP1:ϕ_s60.00000°,δ66.00000°,λ94.00000°. NP2:ϕ_s230.00000° ,δ25.00000°,λ82.00000°. Principal axes: T 2.4500,Plg69.0000°,Azm336.0000° ; N -0.3800,Plg3.0000°,Azm237.0000°; P -2.0800,Plg20.0000°,Azm146.0000° $M_0$2.30000×10^{17}
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. Arctic Ocean. 252km west from Isachsen, Nu.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=114, comp=239, per= 50. Moment Tensor Solution. s107,c205; s41,c49; Moment tensor: Scale 10^{17}Nm; M_{rr}3.81±.03 $M_{\theta\theta}$-2.23±.04; $M_{\phi\phi}$-1.59±.04; $M_{r\theta}$0.35±.10; $M_{\theta\phi}$-1.88±.03; $M_{\phi r}$-0.91±.10; Best double couple: NP1:ϕ_s62.00000°,δ44.00000°,λ109.00000°. NP2:ϕ_s217.00000°,δ49.00000°,λ73.00000°. Principal axes: T 4.0400,Plg77.0000°,Azm60.0000°; N -0.2100,Plg13.0000°,Azm229.0000° ; P -3.8300,Plg2.0000°,Azm319.0000° $M_0$3.90000×10^{17}
SZGRF Arctic Ocean.

(185) Vanuatu Islands region

ISC	**XI**	**17 13 16 35.0–.12**	**16.88S–.04**	**171.99E–.02**	**35**	**5.4b,4.8s**	**601**	**6-170**
NOU	XI	17 13 15 10.2–1.1	9.32S	171.01E	30–0	5.4b,4.8s		¶11456728
SZGRF	XI	17 13 16 27.5	19.09S	172.68E	33	5.4b,4.8s		
IDC	XI	17 13 16 28.8–.41	16.88S	172.09E	0	5.2,5.1		
DJA	XI	17 13 16 29	16.96S	172.30E	10	5.7W,5.1		
BJI	XI	17 13 16 33.0	16.32S	172.11E	22	5.8b,5.5s		
MOS	XI	17 13 16 33.2–1.1	16.86S	172.00E	35	5.5b,5.5s		
ISCJB	XI	17 13 16 33.1–.12	16.92S–.04	171.94E–.02	33	5.4b,4.8s		
NEIC	XI	17 13 16 35.0–.79	16.84S	172.00E	39–7	5.3b,4.8s		
GCMT	XI	17 13 16 36.3–.10	16.78S	172.00E	12	5.4W,4.8s		

ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Vanuatu Islands region.
IDC Error ellipse: s-maj=14.7km s-min=12.5km az=132.0.
MOS Error ellipse: s-maj=10.0km s-min=7.9km az=8.3.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=2.7km az=163.4.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.3km az=161.0.
GCMT Event type se. Data Used: IU II IC G CN. Surface waves from 105 sta. Moment Tensor Solution. s61,c109; s99,c197; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.26±.03 $M_{\theta\theta}$1.62±.02; $M_{\phi\phi}$-0.36±.03; $M_{r\theta}$-0.10±.07; $M_{\theta\phi}$-0.77±.02; $M_{\phi r}$0.15±.08; Best double couple: NP1: ϕ_s280.00000°,δ43.00000°,λ-103.00000°. NP2:ϕ_s118.00000°,δ48.00000°,λ-78.00000°. Principal axes: T 1.8900,Plg3.0000°,Azm199.0000°; N -0.6100,Plg9.0000°,Azm289.0000° ; P -1.2800,Plg81.0000°,Azm94.0000° $M_0$1.60000×10^{17}

(634) Arctic Ocean

ISC	**XI**	**17 13 16 50.5–.10**	**79.70N–.01**	**115.6W–.20**	**10**	**4.8b,4.7s**	**744**	**5-168**
BJI	XI	17 13 16 45.0	79.50N	115.60W	10	5.4b,5.2s		¶13400437
ISCJB	XI	17 13 16 48.6–.10	79.71N–.01	115.6W–.20	10	4.8b,4.7s		
MOS	XI	17 13 16 48.4–.94	79.60N	115.67W	12	4.9b,4.7s		
IDC	XI	17 13 16 48.4–.35	79.68N	115.99W	0	4.6,4.6		
OTT	XI	17 13 16 50.3–.76	79.37N	115.04W	18	5.5b,4.6		
NEIC	XI	17 13 16 50.1–.16	79.69N	115.60W	10	4.7b,4.6		
GCMT	XI	17 13 16 51.4–.40	79.61N	116.81W	21–1	5.0W,4.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=0.3.
MOS Error ellipse: s-maj=37.2km s-min=4.7km az=88.7.
IDC Error ellipse: s-maj=11.8km s-min=9.2km az=114.0.
OTT Event type ke. Error ellipse: s-maj=6.7km s-min=5.1km az=-1.0. Arctic Ocean. Aftershock. 252km west from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=111.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s21,c22; s67,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}3.55±.26 $M_{\theta\theta}$-0.68±.15; $M_{\phi\phi}$-2.87±.20; $M_{r\theta}$0.06±.27; $M_{\theta\phi}$-0.95±.10; $M_{\phi r}$-1.02±.29; Best double couple: NP1:ϕ_s26.00000°,δ38.00000°,λ99.00000°. NP2:ϕ_s194.00000°,δ53.00000°,λ83.00000°. Principal axes: T 3.7200,Plg80.0000° ,Azm74.0000°; N -0.3700,Plg6.0000°,Azm199.0000°; P -3.3500,Plg8.0000°,Azm289.0000° $M_0$3.50000×10^{16}

(634) Arctic Ocean

ISC	**XI**	**17 13 40 10.5–1.0**	**79.70N–.01**	**115.7W–.10**	**2–6**	**5.2b,4.8s**	**1247**	**5-170**
BJI	XI	17 13 40 05.3	79.70N	115.50W	10	5.4b,5.3s		¶11456731
IDC	XI	17 13 40 09.6–.30	79.67N	115.82W	0	5.0L,4.9b		
MOS	XI	17 13 40 09.5–.95	79.62N	115.69W	10	5.3b,4.7s		
ISCJB	XI	17 13 40 09.8–.08	79.707N–.01	115.6W–.10	10	5.2b,4.8s		
OTT	XI	17 13 40 11.1–.64	79.39N	115.04W	18	5.6b,4.8s		
NEIC	XI	17 13 40 11.5–.09	79.68N	115.65W	10	5.7L,5.1b		
GCMT	XI	17 13 40 12.1–.10	79.64N	116.09W	12–0	5.3W,5.1b		
DJA	XI	17 13 40 14	79.99N	115.81W	10	5.4b,5.1b		

ISC Event type ke.
IDC Error ellipse: s-maj=10.6km s-min=8.1km az=105.0.
MOS Error ellipse: s-maj=25.7km s-min=3.2km az=87.4.

ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=11.4.
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=-1.0. Arctic Ocean. 253km west from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=1.8km az=110.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=192, per= 50. Moment Tension Solution. s89,c140; s4,c4; Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.02 $M_{\theta\theta}$-0.43±.02; $M_{\phi\phi}$-0.70±.02; $M_{r\theta}$0.16±.05; $M_{\theta\phi}$-0.62±.02; $M_{\phi r}$-0.11±.05; Best double couple: NP1:ϕ_s209.00000°,δ46.00000°,λ76.00000°. NP2:ϕ_s49.00000°,δ46.00000°,λ104.00000°. Principal axes: T 1.1600,Plg80.0000°,Azm37.0000°; N 0.0400,Plg10.0000°,Azm219.0000° ; P -1.2000,Plg0.0000°,Azm129.0000° $M_0$1.20000×10^{17}

(634) Arctic Ocean

ISC	XI	18 03 59 48.8–.76	79.712N–.01	115.52W–.10	9–4	5.5b,4.9s	1514	5-170
BJI	XI	18 03 59 43.7	79.80N	115.30W	9	5.4s,5.4b		¶13400495
ISCJB	XI	18 03 59 45.7–.69	79.723N–.01	115.54W–.10	2–4	5.5b,4.9s		
MOS	XI	18 03 59 46.9–.90	79.62N	115.74W	11	5.6b,4.9s		
IDC	XI	18 03 59 46.8–.31	79.67N	115.76W	0	5.6L,5.1		
OTT	XI	18 03 59 48.7–.97	79.42N	114.76W	18	5.4W,5.1		
NEIC	XI	18 03 59 48.7–.10	79.69N	115.34W	10	5.6b,5.4W		
BGS	XI	18 03 59 48.8–2.4	79.69N	115.34W	10–0	5.4b,5.0s		
GCMT	XI	18 03 59 50.4–.10	79.74N	115.67W	14–0	5.4W,5.0s		
DJA	XI	18 03 59 51	79.90N	116.05W	10	5.6b,5.0s		
SZGRF	XI	18 04 00 05.6	81.61N	108.79W	33	5.0b,4.7s		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.5km az=11.0.
MOS Error ellipse: s-maj=26.3km s-min=3.1km az=87.4.
IDC Error ellipse: s-maj=10.8km s-min=8.5km az=115.0.
OTT Event type ke. Error ellipse: s-maj=8.9km s-min=7.8km az=-1.0. Arctic Ocean. 247km west from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.9km az=105.0. Moment Tensor Solution. s77 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s359.00000°,δ70.00000°,λ93.00000°. NP2:ϕ_s171.00000° ,δ20.00000°,λ82.00000°. Principal axes: T 1.1900,Plg64.0000°,Azm273.0000° ; N -0.3000,Plg2.0000°,Azm178.0000°; P -0.9000,Plg24.0000°,Azm86.0000° $M_0$1.10000×10^{17}
BGS Error ellipse: s-maj=846.6km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=218, per= 50. Moment Tensor Solution. s102,c187; s40,c41; Moment tensor: Scale 10^{17}Nm; M_{rr}1.50±.02 $M_{\theta\theta}$-0.17±.02; $M_{\phi\phi}$-1.33±.02; $M_{r\theta}$-0.26±.03; $M_{\theta\phi}$-0.12±.01; $M_{\phi r}$-0.04±.03; Best double couple: NP1:ϕ_s357.00000°,δ44.00000°,λ78.00000°. NP2:ϕ_s194.00000°,δ47.00000°,λ102.00000°. Principal axes: T 1.5400,Plg81.0000°,Azm176.0000°; N -0.2000,Plg8.0000°,Azm6.0000° ; P -1.3400,Plg1.0000°,Azm276.0000° $M_0$1.40000×10^{17}
SZGRF Arctic Ocean.

(634) Arctic Ocean

ISC	XI	18 04 10 35.5–.08	79.78N–.01	115.8W–.10	10	5.1b,4.7s	939	5-170
BJI	XI	18 04 10 31.2	79.80N	115.80W	9	5.4b,5.4b		¶13400497
ISCJB	XI	18 04 10 33.6–.08	79.79N–.01	115.8W–.10	10	5.1b,4.7s		
MOS	XI	18 04 10 33.3–.90	79.69N	115.78W	10	5.3b,4.7s		
IDC	XI	18 04 10 33.3–.33	79.72N	115.92W	0	4.9,4.9L		
OTT	XI	18 04 10 34.4–1.1	79.48N	115.48W	18	5.6b,4.9L		
NEIC	XI	18 04 10 35.2–.11	79.77N	115.87W	10	5.5L,5.2b		
DJA	XI	18 04 10 36	79.91N	115.46W	10	5.6b,5.2b		
GCMT	XI	18 04 10 36.1–.20	79.57N	116.36W	18–0	5.1W,5.2b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.5km az=9.1.
MOS Error ellipse: s-maj=30.7km s-min=3.7km az=87.6.
IDC Error ellipse: s-maj=12.1km s-min=8.8km az=118.0.
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=9.5km az=-1.0. Arctic Ocean. Aftershock. 240km west from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.4km az=119.0.
GCMT Event type se. Data Used: IU G II CN IC. Moment Tensor Solution. s30,c35; s90,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}5.94±.31 $M_{\theta\theta}$-2.51±.17; $M_{\phi\phi}$-3.43±.20; $M_{r\theta}$1.89±.38; $M_{\theta\phi}$-2.65±.10; $M_{\phi r}$-0.03±.40; Best double couple: NP1:ϕ_s208.00000°,δ40.00000°,λ71.00000°. NP2:ϕ_s53.00000°,δ52.00000°,λ105.00000°. Principal axes: T 6.3800,Plg76.0000° ,Azm16.0000°; N -0.6000,Plg12.0000°,Azm223.0000°; P -5.7900,Plg6.0000°,Azm132.0000° $M_0$6.10000×10^{16}

(634) Arctic Ocean

ISC	XI	18 04 52 50.4–1.1	79.75N–.01	115.5W–.10	3–7	5.3b,4.7s	1321	5-170
BJI	XI	18 04 52 46.3	79.70N	115.30W	10	5.5b,5.5b		¶13400501
BGS	XI	18 04 52 46.2–2.4	78.75N	115.45W	10–0	5.2b,5.5b		
MOS	XI	18 04 52 49.8–.84	79.70N	115.76W	12	5.4b,4.6s		
IDC	XI	18 04 52 49.2–.32	79.69N	115.63W	0	5.0,5.0		
ISCJB	XI	18 04 52 49.6–.07	79.754N–.01	115.5W–.10	10	5.3b,4.7s		
OTT	XI	18 04 52 49.8–1.3	79.53N	115.68W	18	5.5b,4.7s		
GCMT	XI	18 04 52 51.6–.10	79.66N	116.22W	12	5.2W,4.7s		
NEIC	XI	18 04 52 51.3–.10	79.74N	115.45W	10	5.6L,5.3b		
DJA	XI	18 04 52 53	79.91N	115.33W	10	5.6b,5.3b		

ISC Event type ke.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=26.9km s-min=3.3km az=87.2.
IDC Error ellipse: s-maj=10.6km s-min=8.7km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=10.4.
OTT Event type ke. Error ellipse: s-maj=6.7km s-min=11.1km az=-1.0. Arctic Ocean. Aftershock. 270km northwest from Isachsen, Nu.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=184, per= 50. Moment Tension Solution. s87,c143; s21,c21; Moment tensor: Scale 10^{16}Nm; M_{rr}8.24±.12 $M_{\theta\theta}$-3.39±.12; $M_{\phi\phi}$-4.85±.14; $M_{r\theta}$1.34±.35; $M_{\theta\phi}$-4.05±.10; $M_{\phi r}$0.42±.36; Best double couple: NP1:ϕ_s215.00000°,δ41.00000°,λ82.00000°. NP2:ϕ_s45.00000°,δ49.00000°,λ97.00000°. Principal axes: T 8.3900,Plg83.0000°,Azm2.0000°; N -0.0700,Plg5.0000°,Azm221.0000° ; P -8.3200,Plg4.0000°,Azm130.0000° $M_0$8.40000×10^{16}
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.1km az=109.0.

(186) Vanuatu Islands

ISC	XI	18 14 03 15.5–.68	18.99S–.04	169.50E–.03	40–6	5.3b,5.2s	259	4-167
NOU	XI	18 14 03 09.4–.80	18.55S	169.59E	30–0	3.5,3.4L		¶11457645
SZGRF	XI	18 14 03 11.5	19.87S	170.71E	29	5.3b,3.4L		
LDG	XI	18 14 03 12.2–.16	18.58S	169.16E	10–0	5.5b,5.0s		
MOS	XI	18 14 03 13.3–1.2	18.87S	169.46E	33	5.5b,5.2s		
ISCJB	XI	18 14 03 13.2–.79	18.99S–.04	169.49E–.03	35–7	5.3b,5.2s		
BJI	XI	18 14 03 14.9	18.76S	169.98E	56	5.6b,5.3s		
NEIC	XI	18 14 03 15.2–.21	18.90S	169.48E	35	5.5b,5.3s		
GCMT	XI	18 14 03 16.7–.10	18.90S	169.66E	12	5.5W,5.3s		
BGS	XI	18 14 03 16.3–3.7	18.90S	169.48E	35–0	5.5b,5.3s		
IDC	XI	18 14 03 16.6–2.9	18.96S	169.48E	48–26	5.0,4.9s		
DJA	XI	18 14 03 27	19.17S	169.18E	144	5.1b,4.9s		

ISC Event type ke.
NOU Error ellipse: s-maj=21.0km s-min=27.9km az=-1.0.
SZGRF Vanuatu Islands.
LDG Event type ke. Error ellipse: s-maj=16.7km s-min=3.5km az=118.0.
MOS Error ellipse: s-maj=10.0km s-min=8.1km az=16.5.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=156.5.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.8km az=160.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=114, comp=215, per= 50. Moment Tensor Solution. s87,c154; s44,c48; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.40±.03 $M_{\theta\theta}$1.64±.03; $M_{\phi\phi}$0.76±.03; $M_{r\theta}$0.24±.08; $M_{\theta\phi}$-1.34±.03; $M_{\phi r}$-0.40±.09; Best double couple: NP1:ϕ_s121.00000°,δ40.00000°,λ-97.00000°. NP2:ϕ_s311.00000°,δ50.00000°,λ-84.00000°. Principal axes: T 2.6500,Plg5.0000°,Azm36.0000°; N -0.1900,Plg5.0000°,Azm127.0000° ; P -2.4500,Plg83.0000°,Azm260.0000° $M_0$2.60000×10^{17}
BGS Error ellipse: s-maj=465.3km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=14.7km s-min=13.8km az=153.0.

(79) North of Panama

ISC	XI	19 06 11 22.5–.13	8.33N–.02	82.90W–.01	45	5.9s,5.7b	1251	0-176
GUC	XI	19 06 11 03.7–2.4	10.91N	82.12W	48–0	5.7b,5.7b		¶11458361
MOS	XI	19 06 11 19.9–1.5	8.35N	83.02W	33	6.1b,5.8s		
ISCJB	XI	19 06 11 20.5–.13	8.34N–.02	82.90W–.01	43	5.9s,5.7b		
NEIC	XI	19 06 11 20.8–.18	8.27N	82.97W	32	6.2,6.1W		
BJI	XI	19 06 11 20.8	8.30N	82.90W	32	6.4s,6.2		
CASC	XI	19 06 11 21.2–2.8	8.32N	82.84W	26–5	5.9b,5.6L		
IDC	XI	19 06 11 25.0–1.9	8.33N	82.78W	75–16	5.8s,5.8		
GCMT	XI	19 06 11 25.6–.10	8.23N	82.77W	42–0	6.3W,5.8		
SZGRF	XI	19 06 11 30.0	9.75N	80.98W	33	6.3s,5.7b		

ISC Event type de.
GUC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=6.6km s-min=4.4km az=101.3.
ISCJB Event type de. Error ellipse: s-maj=3.0km s-min=1.8km az=19.2.
NEIC Event type de. Error ellipse: s-maj=4.5km s-min=3.0km az=208.0. Slight damage at Chiriqui, David and Puerto Armuelles, Panama. Felt [V] at Bajo Boquete, Dolega and Rio Sereno; [IV] at Bocas del Toro and Bugaba. Also felt at Aguadulce, Alanje, Anton, Panama, Penonome, San Carlos and Santiago. Felt [VI] at Golfito; [V] at Grecia, Limon, Parrita, San Antonio and San Rafael; [IV] at Alajuela, Curridabat, Desamparados, Escazu, Guadalupe, Quepos, San Isidro, San Jose, San Juan, San Pablo, San Pedro, Santa Ana and Tres Rios; [III] at Heredia, Coata Rica. Also felt at Atenas, Calle Blancos, Cartago, Colon, Florencia, Mercedes, Naranjo, Palmar, Paraiso, Puerto Cortes, Puntarenas, Purral, San Ramon, Santo Domingo, San Vicente and San Vito. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s275.00000°,δ68.00000°,λ-15.00000°. NP2: ϕ_s11.00000°,δ76.00000°,λ-157.00000°. Principal axes: T Plg5.0000°,Azm142.0000° ; N Plg0.0000°,Azm0.0000°; P Plg26.0000°,Azm234.0000° Moment Tensor Solution. s111 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.54 $M_{\theta\theta}$0.72 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.60 $M_{\theta\phi}$1.55 $M_{\phi r}$-0.54 Best double couple: NP1:ϕ_s13.00000°,λ65.00000°,λ-159.00000°. NP2:ϕ_s274.00000° ,δ71.00000°,λ-26.00000°. Principal axes: T 1.8900,Plg3.0000°,Azm324.0000° ; N -0.0600,Plg58.0000°,Azm60.0000°; P -1.8300,Plg31.0000°,Azm231.0000° $M_0$1.90000×10^{18}
CASC Error ellipse: s-maj=6.0km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=12.6km s-min=7.0km az=71.0.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=114, comp=272, per= 50. Moment Tensor Solution. s111,c240; s90,c145; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.81±.02 $M_{\theta\theta}$1.29±.02; $M_{\phi\phi}$-0.48±.02; $M_{r\theta}$0.92±.02; $M_{\theta\phi}$2.34±.02; $M_{\phi r}$-1.22±.03; Best double couple: NP1:ϕ_s16.00000°,δ66.00000°,λ-156.00000°. NP2:ϕ_s275.00000°,δ68.00000°,λ-26.00000°. Principal axes: T 2.9100,Plg1.0000°,Azm326.0000°; N 0.2000,Plg56.0000°,Azm57.0000° ; P -3.1100,Plg34.0000°,Azm235.0000° $M_0$3.00000×10^{18}
SZGRF Panama.

(704) Nicobar Islands region

ISC	XI	19 17 14 20.9–.37	8.65N–.02	93.60E–.02	49–3	5.2b,4.5s	795	4-168
BJI	XI	19 17 14 15.5	8.39N	93.45E	42	5.2b,5.0b		¶13400618
SZGRF	XI	19 17 14 15.5	8.30N	92.94E	33	5.3b,5.0b		
ISCJB	XI	19 17 14 17.7–.46	8.65N–.02	93.58E–.02	36–4	5.2b,4.5s		
IDC	XI	19 17 14 19.9–1.4	8.75N	93.77E	39–11	4.9,4.9		
NEIC	XI	19 17 14 20.2–.84	8.66N	93.64E	44–7	5.4b,4.9		
GCMT	XI	19 17 14 20.6–.20	8.76N	93.76E	19–0	5.2W,4.9		
TEH	XI	19 17 14 20.0	8.66N	93.63E	37	5.2W,4.9		
MOS	XI	19 17 14 21.3–1.1	8.93N	93.59E	58	5.5b,4.6s		
DJA	XI	19 17 14 23	8.57N	93.76E	53	5.1W,4.6s		

ISC Event type se.
SZGRF Nicobar Islands, India, region.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.5km az=42.4.
IDC Error ellipse: s-maj=11.6km s-min=8.3km az=51.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.9km az=48.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c98; s82,c149; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.61±.20 $M_{\theta\theta}$0.12±.12; $M_{\phi\phi}$7.49±.14; $M_{r\theta}$2.02±.30; $M_{\theta\phi}$0.75±.09; $M_{\phi r}$0.25±.26; Best double couple: NP1:ϕ_s353.00000°,δ45.00000°,λ-110.00000°. NP2:ϕ_s199.00000°,δ48.00000°,λ-72.00000°. Principal axes: T 7.5800,Plg2.0000° ,Azm276.0000°; N 0.5300,Plg14.0000°,Azm7.0000°; P -8.1100,Plg76.0000°,Azm179.0000° $M_0$7.80000×10^{16}
MOS Error ellipse: s-maj=7.7km s-min=4.2km az=114.0.

(153) South Sandwich Islands region

ISC	XI	21 06 58 27.8–4.4	55.66S–.08	26.1W–.10	28–33	4.8b,4.7s	42	17-150
ISCJB	XI	21 06 58 22.9–3.6	55.60S–.07	26.1W–.10	7–22	4.8b,4.7s		¶11479722
IDC	XI	21 06 58 23.2–.55	55.53S	26.09W	0	4.7,4.7b		
BJI	XI	21 06 58 29.1	55.50S	26.10W	35	5.7s,5.5		
NEIC	XI	21 06 58 31.2–3.1	55.62S	26.22W	60–28	5.0b,5.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=9.1km az=143.7.
IDC Error ellipse: s-maj=18.9km s-min=16.1km az=79.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.9km az=206.0.

(224) Hokkaido region

ISC	XI	21 15 44 49.3–.08	43.18N–.02	145.76E–.02	49	5.4b,4.5s	1384	0-155
NIED	XI	21 15 44 00	43.10N	145.80E	44	5.1W,4.5s		¶13400806
MOS	XI	21 15 44 46.4–.89	43.17N	145.78E	40	5.5b,4.5s		
NEIC	XI	21 15 44 46.7–.10	43.19N	145.81E	29	5.3b,5.2W		
IDC	XI	21 15 44 47.2–3.7	43.19N	145.83E	33–27	5.2,5.2		
ISCJB	XI	21 15 44 47.2–.08	43.11N–.02	145.81E–.02	47	5.4b,4.5s		
JMA	XI	21 15 44 48.4–.10	43.13N	145.84E	46–1	5.2,4.5s		
DJA	XI	21 15 44 48	43.27N	146.21E	54	5.4b,4.5s		
BJI	XI	21 15 44 48.7	43.24N	145.74E	62	5.5b,5.3b		
SKHL	XI	21 15 44 49.6–.80	43.20N	145.86E	51–18	6.3,6.2s		
TEH	XI	21 15 44 50.0	43.17N	145.73E	58	6.3,6.2s		
BGS	XI	21 15 44 51.6–1.5	43.54N	143.75E	33–0	5.7b,6.2s		
GCMT	XI	21 15 44 52.3–.20	43.12N	145.94E	52–0	5.2W,6.2s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ67.00000°,λ87.00000°. NP2:ϕ_s228.00000°,δ23.00000°,λ97.00000°. $M_0$5.74000×10^{16}
MOS Error ellipse: s-maj=5.9km s-min=3.9km az=101.2.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.1km az=154.0. Felt at Bihoro. Recorded [4 JMA] in eastern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. s14 Moment tensor: Scale 10^{16}Nm; M_{rr}3.14 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$-1.16 $M_{r\theta}$3.51 $M_{\theta\phi}$-5.02 $M_{\phi r}$2.91 Best double couple: NP1:ϕ_s54.00000°,δ67.00000°,λ98.00000°. NP2:ϕ_s213.00000° ,δ24.00000°,λ71.00000°. Principal axes: T 4.9700,Plg66.0000°,Azm339.0000° ; N 3.4400,Plg7.0000°,Azm230.0000°; P -8.4000,Plg21.0000°,Azm137.0000° $M_0$7.30000×10^{16} Moment Tensor Solution. $M_0$5.70000×10^{16}
IDC Error ellipse: s-maj=13.2km s-min=9.5km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.5km az=161.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
SKHL Event type fe. Felt (II-III) at Yushno-Kurilsk.
BGS Error ellipse: s-maj=229.1km s-min=584.4km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s62,c95; s84,c137; Moment tensor: Scale 10^{16}Nm; M_{rr}5.86±.20 $M_{\theta\theta}$-2.80±.14; $M_{\phi\phi}$-3.06±.14; $M_{r\theta}$1.05±.11; $M_{\theta\phi}$-3.53±.10; $M_{\phi r}$2.50±.10; Best double couple: NP1:ϕ_s234.00000°,δ35.00000°,λ106.00000°. NP2:ϕ_s35.00000°,δ57.00000°,λ80.00000°. Principal axes: T 6.5200,Plg76.0000° ,Azm274.0000°; N 0.4500,Plg9.0000°,Azm41.0000°; P -6.9700,Plg11.0000°,Azm132.0000° $M_0$6.70000×10^{16}

(273) Southwest of Sumatera

ISC	XI	22 16 01 02.7–.60	4.38S–.02	101.23E–.02	26–4	6.5s,5.8b	773	2-176
BJI	XI	22 16 00 51.7	5.12S	101.24E	10	6.7s,6.6b		¶11473209
IDC	XI	22 16 00 58.4–.33	4.25S	101.28E	0	6.5,6.4s		
ISCJB	XI	22 16 00 59.3–.59	4.38S–.02	101.22E–.02	16–4	6.5s,5.8b		
NEIC	XI	22 16 01 01.7–.17	4.35S	101.26E	24	6.3W,6.3W		
TEH	XI	22 16 01 01.0	4.19S	101.01E	5	6.3W,6.3W		
DJA	XI	22 16 01 01.6–.60	5S–2.0	101E–2.0	18–5	6.6b,6.6		
MOS	XI	22 16 01 02.3–1.4	4.17S	101.40E	33	6.4s,6.1b		
GCMT	XI	22 16 01 06.7–.10	4.73S	101.07E	20	6.3W,6.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=11.8km s-min=7.8km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=30.4.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.3km az=53.0. Felt [IV] at Bengkulu, Ketahun and Mukomuko; [III] at Kapahiang. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s120.00000°,δ80.00000° ,λ90.00000°. NP2:ϕ_s300.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000° ,Azm30.0000°; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm210.0000° Moment Tensor Solution. s82 Moment tensor: Scale 10^{18}Nm; M_{rr}2.63 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-1.40 $M_{r\theta}$2.97 $M_{\theta\phi}$0.75 $M_{\phi r}$-1.54 Best double couple: NP1:ϕ_s323.00000°,δ18.00000°,λ110.00000°. NP2: ϕ_s122.00000°,δ73.00000°,λ83.00000°. Principal axes: T 4.4200,Plg61.0000°,Azm21.0000° ; N -0.6900,Plg6.0000°,Azm123.0000°; P -3.7300,Plg27.0000°,Azm217.0000° $M_0$4.10000×10^{18}
MOS Error ellipse: s-maj=8.2km s-min=4.5km az=115.7.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 75, comp=119, per= 50. Moment Tensor Solution. s64,c100; s90,c135; Moment tensor: Scale 10^{18}Nm; M_{rr}2.07±.03 $M_{\theta\theta}$-1.06±.02; $M_{\phi\phi}$-1.01±.02; $M_{r\theta}$2.92±.07; $M_{\theta\phi}$1.32±.02; $M_{\phi r}$-1.41±.06; Best double couple: NP1:ϕ_s331.00000°,δ19.00000°,λ121.00000°. NP2:ϕ_s119.00000°,δ73.00000°,λ80.00000°. Principal axes: T 3.8800,Plg60.0000°,Azm14.0000°; N 0.1000,Plg10.0000°,Azm122.0000° ; P -3.9800,Plg28.0000°,Azm217.0000° $M_0$3.90000×10^{18}

(189) Southeast of Loyalty Islands

ISC	XI	22 16 01 39.2–.49	22.51S–.02	171.22E–.02	46–4	6.6s,5.7b	749	4-167

LDG XI 22 16 01 33.9–.21 22.31S 171.56E 10–0 6.6s,6.1b ¶11473211
MOS XI 22 16 01 35.4–1.1 22.50S 171.28E 33 6.6s,6.0b
SZGRF XI 22 16 01 36.4 21.45S 170.58E 33 6.6s,6.0b
ISCJB XI 22 16 01 37.7–.61 22.51S–.02 171.16E–.02 46–5 6.6s,5.7b
IDC XI 22 16 01 37.9–1.7 22.49S 171.32E 42–15 6.4,6.3s
NOU XI 22 16 01 37.3–1.3 20.78S 171.16E 30–0 5.0L,3.3
NEIC XI 22 16 01 39.4–.75 22.52S 171.20E 57–6 6.4W,5.7b
BJI XI 22 16 01 39.6 22.50S 171.20E 59 6.8s,6.5
GCMT XI 22 16 01 43.1–.10 22.52S 171.11E 47–0 6.4W,6.5
DJA XI 22 16 01 48 22.63S 171.00E 117 6.5W,6.5
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=30.3km s-min=7.1km az=179.0.
MOS Error ellipse: s-maj=8.4km s-min=7.7km az=52.4.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=34.9.
IDC Error ellipse: s-maj=11.7km s-min=8.6km az=164.0.
NOU Error ellipse: s-maj=85.3km s-min=33.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.2km az=160.0. Moment Tensor Solution. $M_0$2.20000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=120, comp=263, per= 50. Moment Tensor Solution. s115,c244; s90,c139; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.54±.04 $M_{\theta\theta}$1.49±.03; $M_{\phi\phi}$0.05±.03; $M_{r\theta}$4.73±.08; $M_{\theta\phi}$0.82±.03; $M_{\phi r}$0.52±.03; Best double couple: NP1: ϕ_s46.00000°,δ12.00000°,λ-127.00000°. NP2:ϕ_s263.00000°,δ81.00000°,λ-83.00000°. Principal axes: T 5.1300,Plg35.0000°,Azm347.0000°; N -0.1300,Plg7.0000°,Azm82.0000° ; P -4.9900,Plg54.0000°,Azm181.0000° $M_0$5.10000×10^{18}

(273) Southwest of Sumatera

ISC XI 22 16 11 50.0–.19 4.52S–.03 101.27E–.02 26 6.1s,5.6b 433 2-152
BJI XI 22 16 11 38.8 5.35S 101.40E 10 6.3s,6.2b ¶12074512
ISCJB XI 22 16 11 47.8–.19 4.53S–.03 101.27E–.02 24 6.1s,5.6b
TEH XI 22 16 11 48.0 4.41S 101.52E 10 6.1s,5.6b
NEIC XI 22 16 11 49.2–2.6 4.48S 101.42E 23–17 5.7b,5.6b
MOS XI 22 16 11 49.8–1.2 4.31S 101.51E 33 6.1s,5.9b
DJA XI 22 16 11 50.2–.80 5S–3.0 101E–3.0 28–6 6.5b,6.3
IDC XI 22 16 11 50.4–.37 4.42S 101.41E 26–2 5.0b,5.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.4km az=32.8.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.0km az=56.0. Felt [II] at Kapahiang.
MOS Error ellipse: s-maj=10.6km s-min=5.8km az=106.1.
IDC Error ellipse: s-maj=11.6km s-min=7.2km az=48.0.

(189) Southeast of Loyalty Islands

ISC XI 22 17 22 35.2–.81 22.44S–.04 171.15E–.04 48–6 5.5b,5.3s 279 4-166
BJI XI 22 17 22 31.1 22.44S 171.96E 56 5.6s,5.6b ¶11473220
LDG XI 22 17 22 31.2–.54 21.10S 171.28E 10–0 5.3b,5.6b
MOS XI 22 17 22 32.0–1.7 22.46S 171.12E 33 5.3b,5.1s
NOU XI 22 17 22 32.0–1.7 20.20S 170.90E 30–0 4.2L,3.4
IDC XI 22 17 22 33.5–1.9 22.55S 171.34E 40–14 5.2L,5.1s
ISCJB XI 22 17 22 34.3–.81 22.48S–.04 171.09E–.03 55–6 5.5b,5.3s
NEIC XI 22 17 22 36.3–1.3 22.44S 171.24E 69–10 5.5b,5.3s
DJA XI 22 17 22 37 22.58S 171.32E 78 5.6b,5.3s
GCMT XI 22 17 22 37.5–.30 22.53S 171.28E 42–1 5.7W,5.3s
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=48.9km s-min=8.5km az=157.0.
MOS Error ellipse: s-maj=10.1km s-min=9.1km az=11.0.
NOU Error ellipse: s-maj=99.7km s-min=53.2km az=-1.0.
IDC Error ellipse: s-maj=17.2km s-min=16.5km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.1km az=16.2.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=7.0km az=221.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s36,c45; s78,c105; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.46±.24 $M_{\theta\theta}$2.12±.17; $M_{\phi\phi}$0.34±.18; $M_{r\theta}$1.93±.14; $M_{\theta\phi}$2.30±.08; $M_{\phi r}$-0.55±.12; Best double couple: NP1:ϕ_s26.00000°,δ42.00000°,λ-139.00000°. NP2:ϕ_s263.00000°,δ64.00000°,λ-55.00000°. Principal axes: T 3.9700,Plg12.0000° ,Azm329.0000°; N -0.3000,Plg31.0000°,Azm66.0000°; P -3.6700,Plg57.0000° ,Azm220.0000° $M_0$3.80000×10^{17}

(189) Southeast of Loyalty Islands

ISC XI 22 18 35 07.8–.95 22.60S–.06 171.05E–.05 49–8 5.1s,4.7b 86 4-151
IDC XI 22 18 35 00.3–.69 22.31S 171.18E 0 4.6,4.5 ¶11473222
NOU XI 22 18 35 04.9–1.4 20.82S 171.07E 30–0 3.9L,3.0
ISCJB XI 22 18 35 05.8–1.1 22.63S–.06 171.05E–.05 48–9 5.1s,4.7b
BJI XI 22 18 35 06.1 22.60S 171.00E 35 5.5b,5.3s
NEIC XI 22 18 35 08.5–1.1 22.52S 171.04E 61–9 4.8b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=18.0km az=142.0.
NOU Error ellipse: s-maj=87.6km s-min=32.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.6km az=0.2.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.4km az=163.0.

(407) North of Ascension Island

ISC XI 22 18 49 42.8–.75 1.19S–.02 14.02W–.02 8–4 6.0s,5.7b 1039 12-173
SZGRF XI 22 18 49 36.4 1.99S 12.96W 33 6.2s,5.5b ¶13400884
IDC XI 22 18 49 40.7–.34 1.19S 13.95W 0 5.9s,5.9
MOS XI 22 18 49 41.6–1.0 1.04S 14.01W 10 6.0s,5.8b
ISCJB XI 22 18 49 41.4–.13 1.17S–.02 14.00W–.02 11 6.0s,5.7b
BGS XI 22 18 49 41.5–2.4 1.04S 15.47W 10–0 6.0s,5.5b
NEIC XI 22 18 49 42.4–.18 1.23S 13.93W 10 6.2W,6.2W
BJI XI 22 18 49 43.5 0.25S 14.16W 10 6.4b,6.3s
TEH XI 22 18 49 44.0 1.14S 13.90W 10 6.4b,6.3s
GCMT XI 22 18 49 50.3–.10 0.77S 13.80W 18–0 6.3W,6.3s
DJA XI 22 18 49 52 1.49S 14.35W 88 5.8b,6.3s
ISC Event type se.
SZGRF North of Ascension Island.
IDC Error ellipse: s-maj=11.6km s-min=9.5km az=140.0.
MOS Error ellipse: s-maj=8.6km s-min=4.3km az=68.3.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.8km az=143.3.
BGS Error ellipse: s-maj=612.0km s-min=468.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.8km az=156.0. Moment Tensor Solution. s100 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.19 $M_{\theta\theta}$1.06 $M_{\phi\phi}$-0.87 $M_{r\theta}$0.30 $M_{\theta\phi}$-1.92 $M_{\phi r}$0.74 Best double couple: NP1:ϕ_s165.00000°,δ78.00000°,λ-17.00000°. NP2:ϕ_s258.00000° ,δ73.00000°,λ-168.00000°. Principal axes: T 2.2500,Plg3.0000°,Azm212.0000° ; N 0.0900,Plg69.0000°,Azm311.0000°; P -2.3400,Plg20.0000°,Azm121.0000° $M_0$2.30000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 109 sta. Surface waves: sta=120, comp=277, per= 50. Moment Tensor Solution. s114,c259; s99,c186; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.23±.02 $M_{\theta\theta}$1.33±.02; $M_{\phi\phi}$-1.10±.02; $M_{r\theta}$-0.47±.05; $M_{\theta\phi}$-2.99±.02; $M_{\phi r}$1.12±.06; Best double couple: NP1:ϕ_s258.00000°,δ70.00000°,λ179.00000°. NP2:ϕ_s349.00000°,δ89.00000°,λ20.00000°. Principal axes: T 3.6200,Plg15.0000° ,Azm215.0000°; N -0.3500,Plg70.0000°,Azm353.0000°; P -3.2700,Plg13.0000° ,Azm122.0000° $M_0$3.40000×10^{18}

(116) Central Peru

ISC XI 22 20 25 52.1–.97 9.14S–.05 75.82W–.06 36–8 5.1s,4.9b 158 3-169
ISCJB XI 22 20 25 49.9–.27 9.13S–.05 75.96W–.06 33 5.1s,4.9b ¶11473227
IDC XI 22 20 25 49.3–3.2 9.10S 75.61W 16–20 4.7,4.6b
BJI XI 22 20 25 52.3 9.10S 75.60W 43 5.5s,5.3b
NEIC XI 22 20 25 52.0–.85 9.07S 75.66W 38–7 5.1b,5.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.5km az=146.7.
IDC Error ellipse: s-maj=18.0km s-min=9.7km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=5.4km az=66.0. Felt [III] at Pucallpa and [II] at Lima. Also felt at Cerro de Pasco and Trujillo.

(756) Southeast of Easter Island

ISC XI 22 23 06 48.4–.20 37.20S–.04 95.16W–.06 10 5.5b,5.3s 266 16-173
IDC XI 22 23 06 46.0–.37 37.11S 95.30W 0 5.2,5.2 ¶11473232
MOS XI 22 23 06 46.9–.98 37.10S 95.17W 10 5.7b,5.2s
ISCJB XI 22 23 06 46.6–.20 37.19S–.04 95.15W–.06 10 5.5b,5.3s
BJI XI 22 23 06 47.9 37.20S 94.90W 10 5.6s,5.6b
NEIC XI 22 23 06 47.8–.18 37.24S 95.07W 10 5.7W,5.6b
GCMT XI 22 23 06 49.8–.10 37.15S 95.29W 12 5.7W,5.6b
ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=11.8km az=94.0.
MOS Error ellipse: s-maj=16.5km s-min=7.1km az=92.8.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.4km az=151.8.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.7km az=79.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=231, per= 50. Moment Tensor Solution. s92,c178; s57,c65; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.87±.04 $M_{\theta\theta}$-0.10±.04; $M_{\phi\phi}$3.97±.04; $M_{r\theta}$0.42±.11; $M_{\theta\phi}$-1.22±.04; $M_{\phi r}$-0.49±.11; Best double couple: NP1:ϕ_s169.00000°,δ41.00000°,λ-83.00000°. NP2:ϕ_s340.00000°,δ49.00000°,λ-96.00000°. Principal axes: T 4.3500,Plg4.0000°,Azm74.0000°; N -0.4200,Plg5.0000°,Azm344.0000° ; P -3.9300,Plg84.0000°,Azm206.0000° $M_0$4.10000×10^{17}

(185) Vanuatu Islands region

ISC XI 23 08 58 19.1–.64 22.45S–.03 171.30E–.03 44–5 5.3b,5.2s 267 4-167
IDC XI 23 08 58 17.0–2.0 22.42S 171.39E 34–13 5.0,5.0s ¶11473256
MOS XI 23 08 58 16.3–1.1 22.42S 171.23E 33 5.4b,5.1s
BJI XI 23 08 58 16.5 22.31S 171.82E 49 5.3s,5.2b
ISCJB XI 23 08 58 17.6–.71 22.48S–.03 171.26E–.03 46–6 5.3b,5.2s
LDG XI 23 08 58 17.6–.41 20.45S 171.05E 10–0 5.5b,5.0s
NOU XI 23 08 58 17.1–.78 19.61S 170.61E 30–0 4.2L,3.6
NEIC XI 23 08 58 18.1–.18 22.43S 171.32E 40 5.5W,5.3b
DJA XI 23 08 58 19 22.55S 171.41E 48 5.5b,5.3b
GCMT XI 23 08 58 21.8–.10 22.51S 171.24E 47–1 5.6W,5.3b
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=13.2km az=109.0.
MOS Error ellipse: s-maj=10.1km s-min=9.1km az=136.5.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=36.1.
LDG Event type ke. Error ellipse: s-maj=44.4km s-min=4.1km az=150.0.
NOU Error ellipse: s-maj=35.2km s-min=26.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=5.0km az=134.0. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$0.55 $M_{r\theta}$1.76 $M_{\theta\phi}$1.77 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s261.00000°,δ87.00000°,λ-45.00000°. NP2:ϕ_s353.00000° ,δ46.00000°,λ-176.00000°. Principal axes: T 2.6200,Plg27.0000°,Azm316.0000° ; N -0.1200,Plg45.0000°,Azm78.0000°; P -2.5000,Plg31.0000°,Azm207.0000° $M_0$2.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 99, comp=192, per= 50. Moment Tensor Solution. s81,c156; s23,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.31±.04 $M_{\theta\theta}$-0.50±.04; $M_{\phi\phi}$0.81±.04; $M_{r\theta}$2.43±.06; $M_{\theta\phi}$1.57±.03; $M_{\phi r}$0.33±.04; Best double couple: NP1:ϕ_s353.00000°,δ35.00000°,λ-174.00000°. NP2:ϕ_s257.00000°,δ86.00000°,λ-55.00000°. Principal axes: T 2.9200,Plg32.0000°,Azm319.0000°; N 0.1500,Plg35.0000°,Azm75.0000° ; P -3.0700,Plg39.0000°,Azm198.0000° $M_0$3.00000×10^{17}

(90) Puerto Rico region

ISC XI 23 09 05 18.2–.82 19.39N–.02 66.32W–.03 10–5 4.8b,4.5s 232 1-161
IDC XI 23 09 05 15.9–.45 19.35N 66.31W 0 4.5,4.5 ¶11473257
ISCJB XI 23 09 05 18.8–1.2 19.43N–.02 66.32W–.03 25–9 4.8b,4.5s
GCMT XI 23 09 05 19.4–.30 19.35N 66.24W 13–1 5.0W,4.5s
BJI XI 23 09 05 20.2 19.50N 66.30W 47 5.6s,5.3b
RSPR XI 23 09 05 20.3 19.49N 66.33W 48–13 4.9,5.3b
NEIC XI 23 09 05 20.3 19.49N 66.33W 48 4.9b,4.8
ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=11.1km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=163.9.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s18,c20; s50,c73; Moment tensor: Scale 10^{16}Nm; M_{rr}2.74±.26 $M_{\theta\theta}$-0.09±.15; $M_{\phi\phi}$-2.65±.17; $M_{r\theta}$3.51±.65; $M_{\theta\phi}$1.41±.10; $M_{\phi r}$0.91±.35; Best double couple: NP1:ϕ_s0.00000°,δ45.00000°,λ142.00000°. NP2:ϕ_s119.00000°,δ65.00000°,λ52.00000°. Principal axes: T 5.4100,Plg54.0000° ,Azm341.0000°; N -2.0200,Plg34.0000°,Azm138.0000°; P -3.3900,Plg11.0000° ,Azm236.0000° $M_0$4.40000×10^{16}
RSPR Event type ke.
NEIC Event type fe. Felt [V] at Caguas, Comerio and Toa Alta. Also felt at Naranjito. After RSPR.

(135) Near coast of central Chile

ISC XI 23 21 19 40.7–.61 36.32S–.02 72.99W–.05 27–4 5.4b,4.9s 270 0-177
IDC XI 23 21 19 36.0–.38 36.31S 72.92W 0 5.0,5.0b ¶11473311
BJI XI 23 21 19 39.0 35.46S 73.81W 32 5.4s,5.3b
MOS XI 23 21 19 40.4–1.1 36.17S 72.77W 33 5.7b,4.8s
GUC XI 23 21 19 40.1–.75 36.32S 73.01W 33–2 5.5L,4.8s
ISCJB XI 23 21 19 40.3–.54 36.32S–.02 72.96W–.06 37–4 5.4b,4.9s
NEIC XI 23 21 19 40.0 36.32S 73.01W 33 5.6b,5.3W
GCMT XI 23 21 19 44.3–.20 36.38S 73.36W 38–1 5.3W,5.3W
DJA XI 23 21 20 25 37.93S 71.53W 358 4.9b,5.3W
ISC Event type fe.
IDC Error ellipse: s-maj=14.9km s-min=10.6km az=76.0.
MOS Error ellipse: s-maj=18.1km s-min=7.4km az=102.2.
GUC Error ellipse: s-maj=1.8km s-min=4.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.2km az=179.9.
NEIC Event type fe. Felt [V] at Concepcion, [IV] at Chillan, [III] at Cauquenes and [II] at Constitucion, Los Angeles and Talca. Also felt at Chiguayante and Talcahuano. After GUC. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s326.00000°,δ27.00000°,λ67.00000°. NP2:ϕ_s171.00000°,δ65.00000°,λ101.00000°. Principal axes: T 1.0000,Plg68.0000° ,Azm103.0000°; N 0.2500,Plg10.0000°,Azm346.0000°; P -1.2400,Plg19.0000° ,Azm252.0000° $M_0$1.10000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 70, comp=105, per= 50. Moment Tensor Solution. s60,c93; s9,c9; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s11.00000°,δ22.00000° ,λ111.00000°. NP2:ϕ_s169.00000°,δ69.00000°,λ82.00000°. Principal axes: T 1.0200,Plg65.0000°,Azm65.0000°; N 0.1100,Plg8.0000°,Azm172.0000° ; P -1.1300,Plg24.0000°,Azm265.0000° $M_0$1.10000×10^{17}

(196) Irian Jaya region

ISC XI 24 05 38 46.9–1.1 0.60S–.07 133.38E–.06 42–11 4.1b,3.5s 43 2-153
IDC XI 24 05 38 41.0–.67 0.60S 133.14E 0 4.3,4.3L ¶11473329
ISCJB XI 24 05 38 46.0–.99 0.66S–.05 133.35E–.06 53–9 4.1b,3.5s
DJA XI 24 05 38 46.2–.80 0S–10 133E–4.0 65–23 5.5b,5.5b
NEIC XI 24 05 38 46.4–.37 0.59S 133.19E 35 4.1b,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=12.3km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.4km az=158.6.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=6.6km az=84.0.

(410) Southern Mid-Atlantic Ridge

ISC XI 25 01 19 47.6–.42 46.80S–.08 10.7W–.10 10 4.7s,4.5b 36 24-152
ISCJB XI 25 01 19 45.7–.42 46.79S–.08 10.7W–.10 10 4.7s,4.5b ¶11474924
IDC XI 25 01 19 45.9–.60 46.78S 10.71W 0 4.6s,4.6
BJI XI 25 01 19 47.6 46.70S 10.70W 10 5.5s,5.5b
NEIC XI 25 01 19 47.5–.39 46.78S 10.72W 10 5.0b,5.5b
GCMT XI 25 01 19 52.6–.20 47.09S 10.27W 15–1 5.4W,5.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=9.4km az=150.4.
IDC Error ellipse: s-maj=17.5km s-min=16.8km az=140.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.0km az=158.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s58,c89; s98,c168; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.24±.03 $M_{\theta\theta}$0.76±.03; $M_{\phi\phi}$-0.52±.03; $M_{r\theta}$-0.10±.07; $M_{\theta\phi}$-1.10±.02; $M_{\phi r}$-0.55±.09; Best double couple: NP1:ϕ_s77.00000°,δ68.00000°,λ-167.00000°. NP2:ϕ_s342.00000°,δ78.00000°,λ-23.00000°. Principal axes: T 1.4100,Plg7.0000° ,Azm31.0000°; N -0.0200,Plg64.0000°,Azm136.0000°; P -1.3900,Plg25.0000° ,Azm298.0000° $M_0$1.40000×10^{17}

(178) Kermadec Islands

ISC XI 25 01 36 26.0–1.0 30.30S–.02 177.79W–.03 5–6 5.6b,5.2s 801 1-172
IDC XI 25 01 36 25.3–.33 30.03S 177.75W 0 5.5L,5.4b ¶11474926
ISCJB XI 25 01 36 28.8–.09 30.34S–.03 177.89W–.03 33 5.6b,5.2s
BJI XI 25 01 36 29.5 30.30S 177.90W 35 5.7b,5.5b
MOS XI 25 01 36 29.8–.91 30.01S 177.91W 33 5.8b,5.2s
NEIC XI 25 01 36 30.6–.12 30.24S 177.88W 35 5.6b,5.6W
GCMT XI 25 01 36 33.3–.10 30.07S 177.38W 42–0 5.6W,5.6W
DJA XI 25 01 36 52 30.32S 178.39W 204 5.4W,5.6W
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=12.2km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.5km az=140.2.
MOS Error ellipse: s-maj=9.8km s-min=7.9km az=73.4.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.6km az=140.0. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-1.51 $M_{r\theta}$0.58 $M_{\theta\phi}$-0.56 $M_{\phi r}$0.35 Best double couple: NP1:ϕ_s34.00000°,δ54.00000°,λ101.00000°. NP2:ϕ_s195.00000° ,δ37.00000°,λ75.00000°. Principal axes: T 2.1000,Plg77.0000°,Azm343.0000° ; N -0.2700,Plg9.0000°,Azm206.0000°; P -1.8400,Plg8.0000°,Azm115.0000° $M_0$2.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=194, per= 50. Moment Tensor Solution. s88,c165; s2,c2; Moment tensor: Scale 10^{17}Nm; M_{rr}2.81±.06 $M_{\theta\theta}$-0.07±.04; $M_{\phi\phi}$-2.74±.04; $M_{r\theta}$0.55±.04; $M_{\theta\phi}$-0.54±.03; $M_{\phi r}$1.71±.04; Best double couple: NP1:ϕ_s187.00000°,δ29.00000°,λ83.00000°. NP2:ϕ_s15.00000°,δ61.00000°,λ94.00000°. Principal axes: T 3.3400,Plg74.0000°,Azm294.0000°; N 0.0300,Plg3.0000°,Azm193.0000° ; P -3.3600,Plg16.0000°,Azm102.0000° $M_0$3.40000×10^{17}

(216) Mariana Islands

ISC	**XI**	**25 12 40 08.1–.69**	**18.04N–.03**	**146.92E–.02**	**38–6**	**5.3s,5.3b**	**855**	**5-168**
DJA	XI	25 12 39 59	18.49N	147.33E	10	5.4b,5.3b		**¶11474946**
NEIC	XI	25 12 40 03.5–.13	18.01N	146.97E	10	5.5b,5.5W		
ISCJB	XI	25 12 40 03.6–.92	18.04N–.02	146.88E–.02	18–6	5.3s,5.3b		
MOS	XI	25 12 40 05.3–1.0	18.01N	146.86E	33	5.6b,5.2s		
IDC	XI	25 12 40 05.2–1.7	18.04N	147.06E	24–10	5.2,5.2s		
BJI	XI	25 12 40 06.8	17.95N	147.48E	76	5.4s,5.2b		
GCMT	XI	25 12 40 08.9–.10	18.12N	147.23E	14–0	5.6W,5.2b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.6km az=129.0. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-0.59 $M_{r\theta}$-0.93 $M_{\theta\phi}$1.46 $M_{\phi r}$0.86 Best double couple: NP1:ϕ_s308.00000°,δ67.00000°,λ78.00000°. NP2:ϕ_s156.00000° ,δ26.00000°,λ116.00000°. Principal axes: T 1.4300,Plg66.0000°,Azm196.0000° ; N 0.9800,Plg11.0000°,Azm312.0000°; P -2.4100,Plg20.0000°,Azm46.0000° M_o2.10000×10^{17}

ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.1km az=177.1.

MOS Error ellipse: s-maj=8.0km s-min=5.0km az=102.3.

IDC Error ellipse: s-maj=14.0km s-min=7.8km az=85.0.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=110, comp=214, per= 50. Moment Tensor Solution. s90,c155; s27,c27; Moment tensor: Scale 10^{17}Nm; M_{rr}1.66±.04 $M_{\theta\theta}$-0.65±.03; $M_{\phi\phi}$-1.02±.03; $M_{r\theta}$-1.62±.09; $M_{\theta\phi}$1.35±.02; $M_{\phi r}$1.22±.08; Best double couple: NP1:ϕ_s153.00000°,δ23.00000°,λ113.00000°. NP2:ϕ_s309.00000°,δ69.00000°,λ80.00000°. Principal axes: T 2.5700,Plg65.0000°,Azm203.0000°; N 0.4600,Plg9.0000°,Azm312.0000° ; P -3.0400,Plg23.0000°,Azm46.0000° M_o2.80000×10^{17}

(174) Tonga Islands region

ISC	**XI**	**25 15 04 42.6–3.0**	**22.82S–.06**	**175.22W–.04**	**20–18**	**5.4s,5.3b**	**510**	**8-179**
ISCJB	XI	25 15 04 38.8–2.7	22.82S–.06	175.25W–.04	6–16	5.4s,5.3b		**¶11474949**
IDC	XI	25 15 04 39.3–.49	22.79S	175.24W	0	5.2s,5.2		
DJA	XI	25 15 04 40	22.75S	175.37W	10	5.4b,5.2		
BJI	XI	25 15 04 43.5	22.46S	174.82W	37	5.8b,5.5s		
NEIC	XI	25 15 04 44.2–.19	22.90S	175.20W	35	5.6W,5.4s		
GCMT	XI	25 15 04 45.1–.10	22.94S	174.54W	18–0	5.6W,5.4s		
MOS	XI	25 15 04 48.8–1.3	21.46S	175.27W	33	5.4b,5.3s		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.7km az=158.1.

IDC Error ellipse: s-maj=18.4km s-min=14.9km az=150.0.

NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.6km az=152.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=228, per= 50. Moment Tensor Solution. s81,c158; s32,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}2.16±.04 $M_{\theta\theta}$-0.31±.02; $M_{\phi\phi}$-1.85±.03; $M_{r\theta}$0.79±.07; $M_{\theta\phi}$-0.99±.02; $M_{\phi r}$1.93±.07; Best double couple: NP1:ϕ_s209.00000°,δ24.00000°,λ95.00000°. NP2:ϕ_s23.00000°,δ66.00000°,λ88.00000°. Principal axes: T 2.9800,Plg68.0000°,Azm289.0000°; N 0.1700,Plg2.0000°,Azm24.0000° ; P -3.1500,Plg21.0000°,Azm115.0000° M_o3.10000×10^{17}

MOS Error ellipse: s-maj=12.9km s-min=9.1km az=71.4.

(186) Vanuatu Islands

ISC	**XI**	**26 04 02 08.6–.13**	**20.57S–.04**	**169.33E–.03**	**51**	**5.3b,4.5s**	**361**	**3-166**
SZGRF	XI	26 04 01 59.0	23.00S	168.75E	46	4.6b,4.5s		**¶11478059**
LDG	XI	26 04 02 04.3–.36	19.79S	168.88E	10–0	5.6b,4.6s		
ISCJB	XI	26 04 02 06.9–.13	20.51S–.04	169.27E–.03	49	5.3b,4.5s		
NOU	XI	26 04 02 07.2–1.1	19.93S	168.93E	30–0	4.6s,4.1L		
IDC	XI	26 04 02 08.4–.46	20.46S	169.36E	51–3	4.9,4.9		
BJI	XI	26 04 02 08.7	19.72S	169.37E	43	5.2s,5.1b		
NEIC	XI	26 04 02 08.3–.19	20.45S	169.29E	49	5.3b,5.1b		
MOS	XI	26 04 02 10.8–1.3	20.48S	169.21E	82	5.2b,5.1b		
GCMT	XI	26 04 02 11.9–.20	20.58S	169.30E	44–1	5.2W,5.1b		
DJA	XI	26 04 02 13	20.65S	169.27E	84	5.5W,5.1b		

ISC Event type ke.

SZGRF New Caledonia.

LDG Event type ke. Error ellipse: s-maj=30.7km s-min=6.2km az=124.0.

ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.6km az=151.6.

NOU Error ellipse: s-maj=24.4km s-min=26.0km az=-1.0.

IDC Error ellipse: s-maj=13.8km s-min=11.9km az=140.0.

NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.4km az=142.0.

MOS Error ellipse: s-maj=10.9km s-min=9.2km az=156.3.

GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s60,c87; s81,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}3.27±.20 $M_{\theta\theta}$1.86±.18; $M_{\phi\phi}$-5.13±.19; $M_{r\theta}$-2.64±.19; $M_{\theta\phi}$-1.18±.14; $M_{\phi r}$6.06±.25; Best double couple: NP1:ϕ_s221.00000°,δ26.00000°,λ148.00000°. NP2:ϕ_s341.00000°,δ76.00000°,λ67.00000°. Principal axes: T 7.8400,Plg53.0000° ,Azm224.0000°; N 0.4700,Plg22.0000°,Azm346.0000°; P -8.3100,Plg28.0000°,Azm89.0000° M_o8.10000×10^{16}

(186) Vanuatu Islands

ISC	**XI**	**27 17 31 26.2–1.3**	**17.84S–.03**	**167.64E–.02**	**1–8**	**5.5b,5.2s**	**474**	**4-167**
NOU	XI	27 17 31 26.5–.80	17.63S	167.67E	30–0	4.1,3.1L		**¶12923204**
ISCJB	XI	27 17 31 26.2–.12	17.85S–.03	167.57E–.02	10	5.4b,5.2s		
IDC	XI	27 17 31 26.1–.49	17.80S	167.61E	0	5.2,5.2L		
NEIC	XI	27 17 31 27.5–.17	17.80S	167.59E	10	5.5b,5.3s		
DJA	XI	27 17 31 28	17.91S	167.80E	10	5.7W,5.3s		
LDG	XI	27 17 31 29.1–.17	17.71S	166.73E	10–0	5.5b,5.1s		
MOS	XI	27 17 31 30.2–1.3	17.75S	167.53E	33	5.5b,5.1s		
GCMT	XI	27 17 31 32.0–.10	17.99S	167.48E	13–0	5.5W,5.1s		
BJI	XI	27 17 31 33.8	17.15S	167.58E	48	5.8b,5.5s		

ISC Event type ke.

NOU Error ellipse: s-maj=19.3km s-min=54.0km az=-1.0.

ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=164.0.

IDC Error ellipse: s-maj=15.2km s-min=14.0km az=131.0.

NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.8km az=143.0.

LDG Event type ke. Error ellipse: s-maj=24.0km s-min=5.5km az=87.0.

MOS Error ellipse: s-maj=8.5km s-min=7.5km az=43.3.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=183, per= 50. Moment Tensor Solution. s89,c155; s17,c19; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07±.03 $M_{\theta\theta}$1.34±.03; $M_{\phi\phi}$-0.27±.03; $M_{r\theta}$-1.80±.12; $M_{\theta\phi}$-0.90±.02; $M_{\phi r}$-0.28±.07; Best double couple: NP1:ϕ_s326.00000°,δ29.00000°,λ-34.00000°. NP2:ϕ_s86.00000°,δ74.00000°,λ-115.00000°. Principal axes: T 2.4700,Plg25.0000°,Azm196.0000°; N -0.2000,Plg24.0000°,Azm93.0000° ; P -2.2700,Plg54.0000°,Azm326.0000° M_o2.40000×10^{17}

(174) Tonga Islands region

ISC	**XI**	**28 01 33 59.0–4.6**	**22.74S–.05**	**175.20W–.04**	**17–28**	**5.2b,4.9s**	**590**	**7-170**
IDC	XI	28 01 33 56.0–.47	22.58S	175.27W	0	5.1,5.1		**¶11480306**
ISCJB	XI	28 01 33 59.7–.14	22.78S–.04	175.25W–.04	33	5.2b,4.9s		
SZGRF	XI	28 01 34 00.1	21.38S	176.73W	33	5.2b,4.9s		
NEIC	XI	28 01 34 01.6–.18	22.76S	175.24W	35	5.2b,4.9s		
GCMT	XI	28 01 34 01.1–.20	22.83S	174.51W	16–0	5.3W,4.9s		
BJI	XI	28 01 34 04.8	22.63S	174.92W	77	5.6b,5.4b		
DJA	XI	28 01 34 05	22.92S	175.15W	78	5.1b,5.4b		
MOS	XI	28 01 34 10.8–1.9	22.45S	175.50W	112	5.1b,5.0s		

ISC Event type se.

IDC Error ellipse: s-maj=19.2km s-min=14.1km az=135.0.

ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.6km az=147.2.

SZGRF Fiji Islands region.

NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=143.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c98; s91,c163; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s192.00000°,δ24.00000°,λ83.00000°. NP2:ϕ_s20.00000° ,δ67.00000°,λ93.00000°. Principal axes: T 1.0600,Plg68.0000°,Azm295.0000° ; N 0.0200,Plg3.0000°,Azm198.0000°; P -1.0800,Plg21.0000°,Azm107.0000° M_o1.10000×10^{17}

MOS Error ellipse: s-maj=10.4km s-min=9.1km az=48.4.

(222) East of Kuril Islands

ISC	**XI**	**28 07 59 39.3–.84**	**48.10N–.03**	**155.03E–.02**	**21–6**	**5.0b,4.7s**	**823**	**3-156**
NIED	XI	28 07 59 00	47.90N	155.70E	11	5.0W,4.7s		**¶13401352**
IDC	XI	28 07 59 35.6–.54	48.09N	154.95E	0	4.7,4.6		
ISCJB	XI	28 07 59 35.1–.90	48.03N–.03	155.10E–.02	8–5	5.0b,4.7s		
BJI	XI	28 07 59 37.5	48.28N	155.18E	32	5.0b,4.9s		
SKHL	XI	28 07 59 39.0–.70	47.89N	155.52E	54–17	5.9b,5.3s		
MOS	XI	28 07 59 40.0–1.1	48.16N	155.05E	38	5.1b,4.5s		
NEIC	XI	28 07 59 40.1–1.6	48.10N	155.00E	28–11	4.9b,4.5s		
GCMT	XI	28 07 59 44.6–.20	48.10N	155.42E	26–0	5.1W,4.5s		
SZGRF	XI	28 08 00 04.0	51.18N	152.99E	48	5.4b,4.8s		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ53.00000°,λ119.00000°. NP2:ϕ_s192.00000°,δ45.00000°,λ57.00000°. M_o3.43000×10^{16}

IDC Error ellipse: s-maj=16.4km s-min=10.1km az=157.0.

ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.1km az=162.8.

MOS Error ellipse: s-maj=7.3km s-min=4.9km az=93.8.

NEIC Event type se. Error ellipse: s-maj=7.0km s-min=3.6km az=156.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c73; s82,c139; Moment tensor: Scale 10^{16}Nm; M_{rr}4.55±.18 $M_{\theta\theta}$-1.17±.11; $M_{\phi\phi}$-3.38±.12; $M_{r\theta}$1.92±.23; $M_{\theta\phi}$-2.28±.07; $M_{\phi r}$2.30±.21; Best double couple: NP1:ϕ_s207.00000°,δ29.00000°,λ82.00000°. NP2:ϕ_s36.00000°,δ61.00000°,λ94.00000°. Principal axes: T 5.4400,Plg73.0000° ,Azm317.0000°; N 0.2300,Plg4.0000°,Azm214.0000°; P -5.6700,Plg16.0000°,Azm123.0000° M_o5.60000×10^{16}

SZGRF Northwest of Kuril Islands, Russia.

(274) Southern Sumatera

ISC	**XI**	**28 08 50 50.2–.32**	**4.76S–.02**	**101.74E–.02**	**42–2**	**5.9s,5.7b**	**674**	**1-176**
SZGRF	XI	28 08 50 42.8	4.28S	104.73E	33	5.8s,5.7b		**¶11480320**
BJI	XI	28 08 50 43.6	5.33S	101.79E	41	6.2s,6.1b		
IDC	XI	28 08 50 43.6–.43	4.76S	101.73E	0	5.7s,5.7		
DJA	XI	28 08 50 47.3–.60	5S–2.0	102E–2.0	19–5	6.3,6.2b		
ISCJB	XI	28 08 50 47.7–.37	4.77S–.02	101.72E–.02	36–3	5.9s,5.7b		
NEIC	XI	28 08 50 47.9–.14	4.76S	101.76E	25	5.9s,5.9		
MOS	XI	28 08 50 48.2–1.1	4.55S	101.82E	33	5.9b,5.8s		
TEH	XI	28 08 50 49.0	4.86S	101.62E	35	5.9b,5.8s		
GCMT	XI	28 08 50 51.6–.10	5.09S	101.55E	23	5.9W,5.8s		

ISC Event type fe.

SZGRF Southern Sumatera, Indonesia.

IDC Error ellipse: s-maj=16.7km s-min=11.3km az=58.0.

ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.7km az=35.0.

NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.9km az=56.0. Felt [III] at Bengkulu, Kapahiang and Krui. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s120.00000°,δ80.00000°,λ90.00000°. NP2: ϕ_s300.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm30.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm210.0000° Moment Tensor Solution. s82 Moment tensor: Scale 10^{17}Nm; M_{rr}4.47 $M_{\theta\theta}$-1.64 $M_{\phi\phi}$-2.83 $M_{r\theta}$5.43 $M_{\theta\phi}$0.78 $M_{\phi r}$-2.51 Best double couple: NP1:ϕ_s330.00000°,δ18.00000°,λ118.00000°. NP2:ϕ_s121.00000° ,δ74.00000°,λ82.00000°. Principal axes: T 7.9500,Plg59.0000°,Azm19.0000° ; N -1.8800,Plg8.0000°,Azm123.0000°; P -6.0700,Plg28.0000°,Azm218.0000° M_o7.20000×10^{17}

MOS Error ellipse: s-maj=8.3km s-min=4.7km az=111.9.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 93, comp=155, per= 50. Moment Tensor Solution. s103,c198; s62,c72; Moment tensor: Scale 10^{17}Nm; M_{rr}4.64±.07 $M_{\theta\theta}$-2.92±.05; $M_{\phi\phi}$-1.72±.07; $M_{r\theta}$7.22±.11; $M_{\theta\phi}$2.62±.04; $M_{\phi r}$-3.78±.11; Best double couple: NP1:ϕ_s319.00000°,δ16.00000°,λ109.00000°. NP2:ϕ_s119.00000°,δ75.00000°,λ85.00000°. Principal axes: T 9.3600,Plg60.0000°,Azm21.0000°; N 0.2200,Plg5.0000°,Azm120.0000° ; P -9.5900,Plg30.0000°,Azm213.0000° M_o9.50000×10^{17}

(403) Northern Mid-Atlantic Ridge

ISC	**XI**	**28 09 38 14.6–.24**	**22.47N–.05**	**44.96W–.02**	**10**	**5.0b,5.0s**	**689**	**17-178**
SZGRF	XI	28 09 38 09.2	22.85N	46.99W	33	5.3b,5.0s		**¶11480321**
IDC	XI	28 09 38 12.1–.50	22.54N	45.08W	0	4.9s,4.9		
ISCJB	XI	28 09 38 12.6–.24	22.50N–.05	44.99W–.02	10	5.0b,5.0s		
MOS	XI	28 09 38 12.7–1.0	22.57N	45.02W	10	5.3b,5.1s		
GCMT	XI	28 09 38 13.7–.30	22.62N	44.95W	12–1	5.2W,5.1s		
BJI	XI	28 09 38 14.8	22.50N	45.00W	10	5.5b,5.4s		
NEIC	XI	28 09 38 14.7–.24	22.48N	45.02W	10	5.1b,5.4s		

ISC Event type se.

SZGRF Northern Mid-Atlantic Ridge.

IDC Error ellipse: s-maj=16.2km s-min=12.1km az=173.0.

ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=2.2km az=172.1.

MOS Error ellipse: s-maj=7.4km s-min=5.9km az=150.1.

GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s30,c31; s88,c142; Moment tensor: Scale 10^{16}Nm; M_{rr}-8.92±.52 $M_{\theta\theta}$1.01±.31; $M_{\phi\phi}$7.92±.36; $M_{r\theta}$1.54±1.06; $M_{\theta\phi}$2.67±.21; $M_{\phi r}$-1.83±.86; Best double couple: NP1:ϕ_s211.00000°,δ42.00000°,λ-72.00000°. NP2:ϕ_s7.00000°,δ50.00000°,λ-106.00000°. Principal axes: T 8.9200,Plg4.0000° ,Azm108.0000°; N 0.5300,Plg12.0000°,Azm17.0000°; P -9.4400,Plg77.0000°,Azm216.0000° M_o9.20000×10^{16}

NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.4km az=171.0.

(34) Off coast of northern California

ISC	**XI**	**28 13 42 21.6–.64**	**40.46N–.01**	**126.96W–.03**	**21–4**	**5.4s,5.2b**	**904**	**2-165**
MOS	XI	28 13 42 17.8–1.2	40.40N	126.88W	10	5.5s,5.5b		**¶11480327**
BJI	XI	28 13 42 18.4	40.30N	127.00W	10	5.6s,5.5b		
NEIC	XI	28 13 42 18.7–.24	40.35N	126.98W	10	5.9W,5.8W		
ISCJB	XI	28 13 42 18.9–.64	40.55N–.01	126.87W–.02	10–4	5.4s,5.2b		
IDC	XI	28 13 42 19.3–.83	40.56N	126.80W	0	5.2,5.2s		
GCMT	XI	28 13 42 23.5–.10	40.35N	127.04W	23–0	5.9W,5.2s		
SZGRF	XI	28 13 42 31.6	42.10N	129.60W	33	5.8b,5.6s		

ISC Event type fe.

MOS Error ellipse: s-maj=5.4km s-min=5.0km az=26.5.

NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=42.0. Felt at Littleriver and Redway. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-0.13 $M_{r\theta}$1.02 $M_{\theta\phi}$-6.81 $M_{\phi r}$0.95 Best double couple: NP1:ϕ_s180.00000°,δ82.00000° ,λ-7.00000°. NP2:ϕ_s271.00000°,δ83.00000°,λ-172.00000°. Principal axes: T 6.6300,Plg0.0000°,Azm45.0000°; N 0.6100,Plg79.0000°,Azm312.0000° ; P -7.2400,Plg10.0000°,Azm135.0000° M_o7.00000×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=150.8.

IDC Error ellipse: s-maj=21.2km s-min=10.2km az=33.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=122, comp=282, per= 50. Moment Tensor Solution. s102,c221; s79,c117; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15±.01 $M_{\theta\theta}$0.06±.01; $M_{\phi\phi}$0.08±.01; $M_{r\theta}$-0.09±.01; $M_{\theta\phi}$-1.02±.01; $M_{\phi r}$0.10±.02; Best double couple: NP1:ϕ_s270.00000°,δ85.00000°,λ176.00000°. NP2:ϕ_s0.00000°,δ86.00000°,λ5.00000°. Principal axes: T 1.1100,Plg6.0000°,Azm225.0000°; N -0.1600,Plg84.0000°,Azm41.0000° ; P -0.9500,Plg0.0000°,Azm135.0000° M_o1.00000×10^{18}

SZGRF Off coast of Oregon, United States.

(216) Mariana Islands

ISC	**XI**	**30 00 38 58.2–.68**	**18.08N–.02**	**146.94E–.03**	**41–6**	**5.2b,5.2s**	**539**	**5-168**
NEIC	XI	30 00 38 54.1–.14	18.02N	146.99E	14	5.5W,5.4b		**¶11482953**
ISCJB	XI	30 00 38 54.2–.92	18.06N–.02	146.92E–.03	24–6	5.2b,5.2s		
MOS	XI	30 00 38 55.1–1.1	18.03N	146.86E	33	5.5b,5.2s		
IDC	XI	30 00 38 57.6–1.2	18.12N	147.04E	38–9	5.1s,5.1		
GCMT	XI	30 00 38 59.0–.10	18.12N	147.21E	17–0	5.6W,5.1		
BJI	XI	30 00 38 59.5	18.00N	146.92E	53	5.3s,5.2b		
DJA	XI	30 00 38 59	17.96N	147.14E	52	5.4b,5.2b		
TEH	XI	30 00 39 00.0	18.00N	146.92E	58	5.4b,5.2b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.9km az=136.0. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}1.04 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$0.22 $M_{r\theta}$-0.52 $M_{\theta\phi}$0.68 $M_{\phi r}$0.42 Best double couple: NP1:ϕ_s305.00000°,δ60.00000°,λ107.00000°. NP2:ϕ_s94.00000° ,δ34.00000°,λ64.00000°. Principal axes: T 1.2400,Plg70.0000°,Azm251.0000° ; N 0.4400,Plg14.0000°,Azm116.0000°; P -1.6800,Plg13.0000°,Azm22.0000° M_o1.50000×10^{17}

ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=39.3.

MOS Error ellipse: s-maj=8.7km s-min=5.3km az=106.7.

IDC Error ellipse: s-maj=12.9km s-min=7.4km az=96.0.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=101, comp=188, per= 50. Moment Tensor Solution. s81,c139; s20,c21; Moment tensor: Scale 10^{17}Nm; M_{rr}1.32±.04 $M_{\theta\theta}$-0.69±.03; $M_{\phi\phi}$-0.63±.03; $M_{r\theta}$-1.97±.11; $M_{\theta\phi}$1.16±.02; $M_{\phi r}$1.07±.09; Best double couple: NP1:ϕ_s155.00000°,δ20.00000°,λ124.00000°. NP2:ϕ_s300.00000°,δ73.00000°,λ78.00000°. Principal axes: T 2.5600,Plg60.0000°,Azm193.0000°; N 0.3800,Plg11.0000°,Azm303.0000° ; P -2.9400,Plg27.0000°,Azm39.0000° M_o2.80000×10^{17}

(174) Tonga Islands region

ISC	**XII**	**01 20 21 34.5–.14**	**22.92S–.05**	**175.13W–.03**	**40**	**5.4b,5.1s**	**604**	**7-179**
DJA	XII	01 20 21 29	22.45S	174.82W	10	5.7W,5.1s		**¶11484429**
ISCJB	XII	01 20 21 32.7–.14	22.92S–.05	175.16W–.03	38	5.4b,5.1s		
GCMT	XII	01 20 21 32.4–.20	23.07S	174.48W	13–0	5.3W,5.1s		
BJI	XII	01 20 21 33.1	22.53S	174.85W	35	5.7b,5.6b		
MOS	XII	01 20 21 33.3–1.2	22.66S	175.30W	33	5.7b,5.0s		
BGS	XII	01 20 21 34.8–3.7	22.94S	175.19W	33–0	5.5b,5.0s		
NEIC	XII	01 20 21 34.4–.17	22.94S	175.19W	39	5.5b,5.1s		
IDC	XII	01 20 21 35.4–2.4	22.82S	175.21W	47–21	4.9,4.9		
SZGRF	XII	01 20 21 36.4	20.95S	175.46W	33	4.9,4.9		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.0km az=158.3.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c110; s99,c188; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00

Best double couple: NP1:ϕ_s205.00000°,δ26.00000°,λ84.00000°. NP2:ϕ_s32.00000°,δ64.00000°,λ93.00000°. Principal axes: T 1.1400,Plg71.0000°,Azm309.0000°; N -0.0400,Plg3.0000°,Azm211.0000°; P -1.1000,Plg19.0000°,Azm120.0000° $M_0$1.10000×10^{17}

MOS Error ellipse: s-maj=10.8km s-min=8.7km az=51.4.
BGS Error ellipse: s-maj=625.7km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.6km az=146.0.
IDC Error ellipse: s-maj=15.1km s-min=11.2km az=155.0.
SZGRF Tonga Islands.

(244) Taiwan

ISC	XII	02 03 16 54.1–.28	23.31N–.01	121.57E–.01	34–1	5.2b,4.9s	842	0-177
NIED	XII	02 03 16 00	23.40N	121.60E	35	5.3W,4.9s		¶11486871
BJI	XII	02 03 16 50.5	23.44N	121.51E	9	5.1s,5.1L		
NEIC	XII	02 03 16 53.3	23.28N	121.60E	30	5.3b,5.1W		
ISCJB	XII	02 03 16 53.6–.17	23.30N–.01	121.59E–.01	45–1	5.2b,4.9s		
TAP	XII	02 03 16 54.2	23.34N	121.49E	32–0	5.7L,4.9s		
JMA	XII	02 03 16 54.5–.20	23.35N	121.60E	82	5.2,4.9s		
IDC	XII	02 03 16 55.6–1.6	23.28N	121.46E	50–14	4.8,4.7b		
DJA	XII	02 03 16 56	23.39N	121.75E	49	5.3b,4.7b		
MOS	XII	02 03 16 56.0–.93	23.36N	121.66E	67	5.5b,5.1s		
GCMT	XII	02 03 16 56.2–.20	23.27N	121.52E	30–0	5.3W,5.1s		
SZGRF	XII	02 03 17 00.1	25.45N	122.64E	33	5.5b,4.9s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ84.00000°,λ98.00000°. NP2:ϕ_s165.00000°,δ10.00000°,λ37.00000°. $M_0$9.78000×10^{16}
NEIC Event type fe. Felt at Chang-hua, Nan-t'ou, Taipei and T'ao-yuan. Also felt at Fuzhou, China. Recorded [5 TAP] in T'ai-tung; [4 TAP] in Hua-lien; [3 TAP] in T'ai-chung; [2 TAP] in Chang-hua, Hsin-chu, I-lan, Kao-hsiung, P'eng-hu, T'ai-nan and Yun-lin; [1 TAP] in P'ing-tung, Taiwan. After TAP. Moment Tensor Solution. s29 Moment tensor: Scale 10^{16}Nm; M_{rr}5.82 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$-4.06 $M_{r\theta}$0.44 $M_{\theta\phi}$-2.64 $M_{\phi r}$1.19 Best double couple: NP1:ϕ_s31.00000°,δ51.00000°,λ87.00000°. NP2:ϕ_s216.00000°,δ39.00000°,λ94.00000°. Principal axes: T 5.9600,Plg83.0000°,Azm279.0000°; N -0.0400,Plg2.0000°,Azm32.0000°; P -5.9200,Plg6.0000°,Azm122.0000° $M_0$5.90000×10^{16} Moment Tensor Solution. $M_0$5.80000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=41.6.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=14.6km s-min=9.0km az=68.0.
MOS Error ellipse: s-maj=7.7km s-min=3.9km az=121.2.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c104; s73,c124; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s223.00000°,δ42.00000°,λ117.00000°. NP2:ϕ_s9.00000°,δ53.00000°,λ67.00000°. Principal axes: T 0.9400,Plg71.0000°,Azm221.0000°; N 0.1300,Plg18.0000°,Azm23.0000°; P -1.0600,Plg6.0000°,Azm114.0000° $M_0$1.00000×10^{17}
SZGRF Taiwan region.

(219) Off east coast of Kamchatka Peninsula

ISC	XII	03 11 37 05.5–.10	53.04N–.02	159.51E–.02	46	5.3b,4.2s	1480	0-161
DJA	XII	03 11 37 00	53.16N	160.12E	22	5.4b,4.2s		¶13401793
BJI	XII	03 11 37 01.8	53.21N	159.68E	48	5.2b,5.1b		
ISCJB	XII	03 11 37 03.2–.10	52.99N–.02	159.59E–.02	44	5.3b,4.2s		
MOS	XII	03 11 37 03.9–1.1	52.95N	159.57E	51	5.5b,4.2s		
NEIC	XII	03 11 37 05.0–.12	52.98N	159.62E	44	5.4b,4.2s		
BGS	XII	03 11 37 04.1–1.5	53.03N	158.88E	33–0	5.5b,4.2s		
TEH	XII	03 11 37 05.0	53.12N	159.51E	41	5.5b,4.2s		
KRSC	XII	03 11 37 05.1–1.3	52.84N	159.95E	42–22	5.4L,4.2s		
IDC	XII	03 11 37 09.6–.78	53.03N	159.53E	89–6	4.9,4.9		
GCMT	XII	03 11 37 09.1–.20	52.86N	160.09E	59–1	5.1W,4.9		
SZGRF	XII	03 11 37 10.7	53.13N	159.30E	33	5.7b,4.2s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=1.6km az=172.0.
MOS Event type fe. Error ellipse: s-maj=6.5km s-min=3.4km az=93.5. Felt (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=164.0. Felt at Petropavlovsk-Kamchatskiy.
BGS Error ellipse: s-maj=220.1km s-min=731.7km az=-1.0.
KRSC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=7.5km az=142.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s60,c94; s71,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}4.45±.15 $M_{\theta\theta}$-1.60±.12; $M_{\phi\phi}$-2.86±.11; $M_{r\theta}$1.05±.10; $M_{\theta\phi}$-2.58±.09; $M_{\phi r}$1.69±.09; Best double couple: NP1:ϕ_s221.00000°,δ34.00000°,λ95.00000°. NP2:ϕ_s35.00000°,δ57.00000°,λ87.00000°. Principal axes: T 4.8600,Plg78.0000°,Azm295.0000°; N 0.4200,Plg3.0000°,Azm37.0000°; P -5.2900,Plg11.0000°,Azm128.0000° $M_0$5.10000×10^{16}
SZGRF Near east coast of Kamchatka Peninsula, Russia.

(228) Near east coast of eastern Honshu

ISC	XII	03 23 16 57.0–.11	38.62N–.02	142.93E–.02	26	5.6s,5.5b	1128	1-160
NIED	XII	03 23 16 00	38.50N	143.20E	23	5.8W,5.5b		¶13401822
IDC	XII	03 23 16 51.9–.37	38.53N	142.97E	0	5.6s,5.6		
JMA	XII	03 23 16 53.2–.10	38.53N	143.22E	24–3	6.1,5.6		
ISCJB	XII	03 23 16 54.9–.11	38.57N–.02	142.97E–.02	25	5.6s,5.5b		
NEIC	XII	03 23 16 54.9–.13	38.59N	142.88E	14	5.8W,5.8W		
MOS	XII	03 23 16 56.0–.86	38.82N	142.89E	24	5.7b,5.6s		
BJI	XII	03 23 16 56.2	38.55N	142.32E	14	6.1s,6.1b		
GCMT	XII	03 23 16 58.7–.10	38.56N	143.18E	24–0	5.8W,6.1b		
TEH	XII	03 23 16 59.0	38.57N	142.76E	35	5.8W,6.1b		
SZGRF	XII	03 23 17 00.4	39.27N	143.91E	39	6.1b,5.8s		
DJA	XII	03 23 17 10	38.58N	143.10E	157	5.5W,5.8s		
BGS	XII	03 23 18 03.7–2.4	45.07N	122.34E	10–0	5.6s,5.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ68.00000°,λ91.00000°. NP2:ϕ_s200.00000°,δ22.00000°,λ87.00000°. $M_0$5.07000×10^{17}
IDC Error ellipse: s-maj=11.9km s-min=8.8km az=103.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=145.1.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=149.0. Recorded [3 JMA] in Miyagi and Yamagata; [2 JMA] in Akita, Aomori, Fukushima and Iwate; [1 JMA] in Chiba, Ibaraki and Saitama. Also recorded [1 JMA] in southwestern Hokkaido. Moment Tensor Solution. s98 Moment tensor: Scale 10^{17}Nm; M_{rr}2.66 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-2.51 $M_{r\theta}$2.05 $M_{\theta\phi}$-2.04 $M_{\phi r}$4.49 Best double couple: NP1:ϕ_s25.00000°,δ74.00000°,λ86.00000°. NP2:ϕ_s219.00000°,δ17.00000°,λ104.00000°. Principal axes: T 5.3700,Plg61.0000°,Azm288.0000°; N 0.9900,Plg3.0000°,Azm25.0000°; P -6.3700,Plg28.0000°,Azm118.0000° $M_0$5.90000×10^{17} Moment Tensor Solution. $M_0$5.10000×10^{17}
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=106.4.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=109, comp=242, per= 50. Moment Tensor Solution. s96,c192; s53,c58; Moment tensor: Scale 10^{17}Nm; M_{rr}3.33±.06 $M_{\theta\theta}$-0.04±.04; $M_{\phi\phi}$-3.30±.04; $M_{r\theta}$1.72±.07; $M_{\theta\phi}$-1.02±.03; $M_{\phi r}$4.09±.10; Best double couple: NP1:ϕ_s190.00000°,δ19.00000°,λ79.00000°. NP2:ϕ_s21.00000°,δ71.00000°,λ94.00000°. Principal axes: T 5.5100,Plg64.0000°,Azm298.0000°; N 0.2200,Plg4.0000°,Azm200.0000°; P -5.7400,Plg26.0000°,Azm108.0000° $M_0$5.60000×10^{17}
SZGRF Off east coast of Honshu, Japan.
BGS Error ellipse: s-maj=650.1km s-min=999.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	XII	04 03 10 56.7–.09	38.64N–.02	142.90E–.02	24	5.3b,5.1s	1243	1-154
NIED	XII	04 03 10 00	38.50N	143.10E	23	5.3W,5.1s		¶13401835
BJI	XII	04 03 10 51.7	38.53N	142.81E	7	5.7b,5.5s		
IDC	XII	04 03 10 51.6–.43	38.51N	143.07E	0	4.9s,4.9		
JMA	XII	04 03 10 53.2–.10	38.54N	143.12E	17–3	5.5,4.9		
ISCJB	XII	04 03 10 54.8–.09	38.60N–.02	142.90E–.02	23	5.3b,5.1s		
NEIC	XII	04 03 10 55.0–.14	38.57N	142.89E	16	5.3b,5.3W		
MOS	XII	04 03 10 56.1–.77	38.81N	142.86E	26	5.6b,5.3s		
TEH	XII	04 03 10 58.0	38.61N	142.79E	35	5.6b,5.3s		
SZGRF	XII	04 03 10 59.8	39.10N	143.88E	33	5.4b,5.1s		
GCMT	XII	04 03 10 59.6–.20	38.58N	143.21E	31–0	5.3W,5.1s		
DJA	XII	04 03 11 03	38.74N	141.47E	10	5.3b,5.1s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ66.00000°,λ90.00000°. NP2:ϕ_s204.00000°,δ24.00000°,λ90.00000°. $M_0$1.14000×10^{17}
IDC Error ellipse: s-maj=14.4km s-min=10.7km az=99.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=161.8.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=147.0. Recorded [3 JMA] in Miyagi; [2 JMA] in Aomori, Fukushima, Iwate and Yamagata; [1 JMA] in Akita, Ibaraki and Saitama. Moment Tensor Solution. s76 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s26.00000°,δ68.00000°,λ89.00000°. NP2:ϕ_s210.00000°,δ23.00000°,λ94.00000°. Principal axes: T 1.0300,Plg67.0000°,Azm293.0000°; N 0.1900,Plg1.0000°,Azm26.0000°; P -1.2200,Plg22.0000°,Azm117.0000° $M_0$1.10000×10^{17} Moment Tensor Solution. $M_0$1.10000×10^{17}
MOS Error ellipse: s-maj=7.0km s-min=3.8km az=114.7.
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=189, per= 50. Moment Tensor Solution. s68,c119; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s192.00000°,δ19.00000°,λ81.00000°. NP2:ϕ_s22.00000°,δ71.00000°,λ93.00000°. Principal axes: T 1.2300,Plg63.0000°,Azm297.0000°; N 0.1900,Plg3.0000°,Azm201.0000°; P -1.4200,Plg26.0000°,Azm110.0000° $M_0$1.30000×10^{17}

(228) Near east coast of eastern Honshu

ISC	XII	05 20 03 11.1–.14	38.54N–.02	143.04E–.02	32	5.3s,5.1b	726	1-163
NIED	XII	05 20 03 00	38.50N	143.40E	26	5.5W,5.1b		¶15513354
JMA	XII	05 20 03 04.6–.10	38.48N	143.44E	23–3	5.5,5.1b		
IDC	XII	05 20 03 05.3–.48	38.50N	143.12E	0	5.1,5.1s		
DJA	XII	05 20 03 08	38.46N	143.11E	10	5.4b,5.1s		
ISCJB	XII	05 20 03 08.9–.14	38.49N–.02	143.09E–.02	30	5.3s,5.1b		
MOS	XII	05 20 03 09.0–1.0	38.70N	143.00E	25	5.4s,5.4b		
BJI	XII	05 20 03 09.9	38.55N	142.79E	32	5.7s,5.7b		
NEIC	XII	05 20 03 11.1–.15	38.53N	143.00E	34	5.5W,5.5W		
SZGRF	XII	05 20 03 12.9	38.94N	143.85E	33	5.4s,5.1b		
GCMT	XII	05 20 03 13.7–.10	38.53N	143.27E	21–0	5.5W,5.1b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ61.00000°,λ89.00000°. NP2:ϕ_s203.00000°,δ29.00000°,λ91.00000°. $M_0$2.11000×10^{17}
JMA Event type fe.
IDC Error ellipse: s-maj=15.4km s-min=13.4km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=151.6.
MOS Error ellipse: s-maj=6.3km s-min=4.0km az=103.4.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=143.0. Recorded [2 JMA] in Iwate and Miyagi; [1 JMA] in Akita, Aomori and Fukushima. Moment Tensor Solution. s76 Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-0.88 $M_{r\theta}$0.83 $M_{\theta\phi}$0.13 $M_{\phi r}$1.77 Best double couple: NP1:ϕ_s20.00000°,δ78.00000°,λ100.00000°. NP2:ϕ_s161.00000°,δ16.00000°,λ52.00000°. Principal axes: T 2.3300,Plg56.0000°,Azm302.0000°; N -0.3400,Plg9.0000°,Azm198.0000°; P -2.0000,Plg32.0000°,Azm102.0000° $M_0$2.20000×10^{17} Moment Tensor Solution. $M_0$2.10000×10^{17}
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 104 sta. Moment Tensor Solution. s71,c128; s99,c209; Moment tensor: Scale 10^{17}Nm; M_{rr}1.36±.03 $M_{\theta\theta}$-0.03±.02; $M_{\phi\phi}$-1.33±.03; $M_{r\theta}$0.80±.05; $M_{\theta\phi}$-0.41±.02; $M_{\phi r}$1.94±.07; Best double couple: NP1: ϕ_s190.00000°,δ17.00000°,λ79.00000°. NP2:ϕ_s21.00000°,δ73.00000°,λ93.00000°. Principal axes: T 2.4900,Plg62.0000°,Azm296.0000°; N 0.0800,Plg3.0000°,Azm200.0000°; P -2.5600,Plg28.0000°,Azm109.0000° $M_0$2.50000×10^{17}

(704) Nicobar Islands region

ISC	XII	05 23 24 37.8–.14	8.77N–.02	94.02E–.02	30	5.0b,4.5s	447	3-168
BJI	XII	05 23 24 33.1	8.46N	93.87E	30	5.4b,5.1b		¶11493132
ISCJB	XII	05 23 24 35.6–.15	8.76N–.02	94.02E–.02	28	5.0b,4.5s		
NEIC	XII	05 23 24 37.0–.19	8.74N	94.08E	28	5.2b,4.5s		
DJA	XII	05 23 24 36.5–1.3	9N–4.0	94E–4.0	7–9	5.6b,5.0		
IDC	XII	05 23 24 37.6–2.7	8.86N	94.10E	30–18	4.4,4.3		
TEH	XII	05 23 24 38.0	8.74N	94.10E	35	4.4,4.3		
GCMT	XII	05 23 24 38.7–.20	8.71N	94.13E	22–1	5.2W,4.3		
MOS	XII	05 23 24 38.0–.94	8.87N	94.09E	47	5.2b,4.7s		
SZGRF	XII	05 23 24 50.5	12.16N	94.65E	33	5.4b,4.7s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=136.3.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.0km az=49.0.
IDC Error ellipse: s-maj=19.0km s-min=11.4km az=56.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s41,c52; s81,c134; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.72±.21 $M_{\theta\theta}$-2.80±.13; $M_{\phi\phi}$5.52±.17; $M_{r\theta}$-3.02±.30; $M_{\theta\phi}$4.00±.13; $M_{\phi r}$-1.06±.26; Best double couple: NP1:ϕ_s161.00000°,δ55.00000°,λ-160.00000°. NP2:ϕ_s60.00000°,δ74.00000°,λ-37.00000°. Principal axes: T 7.5900,Plg12.0000°,Azm114.0000°; N -1.3500,Plg50.0000°,Azm219.0000°; P -6.2300,Plg37.0000°,Azm15.0000° $M_0$6.90000×10^{16}
MOS Error ellipse: s-maj=9.3km s-min=4.8km az=114.2.
SZGRF Andaman Islands, India, region.

(704) Nicobar Islands region

ISC	XII	06 00 43 08.4–.13	8.74N–.02	93.97E–.02	32	5.1b,4.7s	578	3-168
BJI	XII	06 00 43 03.6	8.41N	93.83E	34	5.4b,5.2b		¶13402032
SZGRF	XII	06 00 43 04.4	7.79N	94.04E	33	5.3b,5.2b		
ISCJB	XII	06 00 43 06.2–.14	8.72N–.02	93.96E–.02	30	5.1b,4.7s		
IDC	XII	06 00 43 06.8–3.4	8.83N	94.03E	21–21	4.7,4.6		
DJA	XII	06 00 43 07.7–1.5	9N–8.0	94E–14	10–0	5.7b,5.2b		
MOS	XII	06 00 43 08.0–.88	8.83N	94.02E	45	5.4b,4.6s		
NEIC	XII	06 00 43 08.8–.84	8.72N	93.98E	38–7	5.3b,4.6s		
TEH	XII	06 00 43 09.0	8.72N	93.99E	35	5.3b,4.6s		
GCMT	XII	06 00 43 09.1–.20	8.73N	94.11E	25–1	5.3W,4.6s		

ISC Event type se.
SZGRF Nicobar Islands, India, region.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.5km az=138.0.
IDC Error ellipse: s-maj=16.4km s-min=10.1km az=52.0.
MOS Error ellipse: s-maj=8.5km s-min=4.1km az=118.2.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.5km az=52.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c86; s94,c164; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s156.00000°,δ59.00000°,λ-167.00000°. NP2:ϕ_s60.00000°,δ79.00000°,λ-31.00000°. Principal axes: T 1.0600,Plg13.0000°,Azm111.0000°; N -0.0600,Plg57.0000°,Azm222.0000°; P -1.0000,Plg29.0000°,Azm14.0000° $M_0$1.00000×10^{17}

(43) Southern California

ISC	XII	06 04 18 43.4–.10	34.716N–.01	116.45W–.01	10	4.8b,4.6s	930	0-147
BJI	XII	06 04 18 37.9	33.82N	117.05W	10	5.5b,5.2s		¶11493244
ISCJB	XII	06 04 18 41.8–.10	34.766N–.01	116.38W–.01	10	4.8b,4.6s		
IDC	XII	06 04 18 42.9–.57	34.92N	116.24W	0	4.6,4.6		
NEIC	XII	06 04 18 42.9	34.81N	116.42W	7	5.1W,5.0b		
MOS	XII	06 04 18 42.2–1.1	34.79N	116.40W	11	5.0b,5.0b		
GCMT	XII	06 04 18 45.5–.20	34.83N	116.39W	12	5.1W,5.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.4km s-min=1.2km az=32.6.
IDC Error ellipse: s-maj=14.8km s-min=8.2km az=53.0.
NEIC Event type fe. Felt [IV] at Newberry Springs and [III] at Acton, Adelanto, Angelus Oaks, Apple Valley, Beverly Hills, Big Bear Lake, Blue Jay, Buena Park, Culver City, Fontana, Fort Irwin, Hesperia, Huntington Beach, Irvine, Joshua Tree, Lake Arrowhead, Landers, Littlerock, Los Angeles, Lucerne Valley, Morongo Valley, Phelan, San Diego, Thousand Palms, Twentynine Palms, Valley Village, Victorville and Whittier. Also felt [III] at Lake Havasu City, Arizona and at Las Vegas, Nevada. Felt from Camarillo, California to Kingman, Arizona and from Pahrump, Nevada and Ridgecrest, California as far south as El Centro and San Diego. Preliminary studies indicate that this earthquake is associated with the Lavic Lake Fault and it is considered to be an aftershock of the Hector Mine earthquake of 16 October 1999. After PAS. Moment Tensor Solution. $M_0$4.90000×10^{16} Moment Tensor Solution. $M_0$4.10000×10^{16}
MOS Error ellipse: s-maj=5.1km s-min=4.0km az=89.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s51,c79; s98,c172; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.32±.12 $M_{\theta\theta}$-3.31±.12; $M_{\phi\phi}$3.63±.12; $M_{r\theta}$-0.50±.31; $M_{\theta\phi}$5.02±.10; $M_{\phi r}$-1.00±.33; Best double couple: NP1:ϕ_s253.00000°,δ83.00000°,λ6.00000°. NP2:ϕ_s162.00000°,δ84.00000°,λ173.00000°. Principal axes: T 6.4500,Plg9.0000°,Azm118.0000°; N -0.5100,Plg81.0000°,Azm299.0000°; P -5.9400,Plg0.0000°,Azm208.0000° $M_0$6.20000×10^{16}

(177) Kermadec Islands region

ISC	XII	06 06 21 49.2–.28	27.59S–.05	176.68W–.06	35	5.2s,5.0b	138	2-175
IDC	XII	06 06 21 43.2–.54	27.40S	176.74W	0	5.2s,5.2		¶13402055
BJI	XII	06 06 21 47.4	27.84S	175.95W	50	5.6b,5.4s		
ISCJB	XII	06 06 21 47.3–.28	27.59S–.05	176.74W–.06	33	5.2s,5.0b		
MOS	XII	06 06 21 47.5–1.6	27.49S	176.72W	33	5.1s,5.0b		
NEIC	XII	06 06 21 48.2–.34	27.83S	176.63W	35	5.7W,5.2s		
GCMT	XII	06 06 21 51.2–.10	27.40S	176.25W	22–0	5.6W,5.2s		

ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=18.0km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=40.5.
MOS Error ellipse: s-maj=12.9km s-min=11.7km az=87.8.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.1km az=138.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=196, per= 50. Moment Tensor Solution. s88,c154; s43,c47; Moment tensor: Scale 10^{17}Nm; M_{rr}2.30±.04 $M_{\theta\theta}$0.40±.03; $M_{\phi\phi}$-2.70±.03; $M_{r\theta}$0.56±.07; $M_{\theta\phi}$-0.37±.02; $M_{\phi r}$1.70±.06; Best double couple: NP1:ϕ_s178.00000°,δ28.00000°,λ75.00000°. NP2:ϕ_s14.00000°,δ63.00000°,λ98.00000°. Principal axes: T 2.9000,Plg71.0000°,Azm302.0000°; N 0.4000,Plg7.0000°,Azm191.0000° ; P -3.3000,Plg17.0000°,Azm98.0000° $M_0$3.10000×10^{17}

(403) Northern Mid-Atlantic Ridge

ISC	**XII**	**07 06 23 10.5–.17**	**13.38N–.03**	**44.88W–.02**	**10**	**5.3b,5.2s**	**781**	**14-173**
ISCJB	XII	07 06 23 08.7–.17	13.43N–.04	44.87W–.02	10	5.3b,5.2s		**¶13402133**
IDC	XII	07 06 23 08.1–.39	13.37N	44.90W	0	5.1s,5.1		
MOS	XII	07 06 23 08.7–1.0	13.47N	44.87W	10	5.7b,5.2s		
NEIC	XII	07 06 23 09.9–.19	13.35N	44.83W	10	5.6b,5.3s		
BJI	XII	07 06 23 10.2	13.40N	44.90W	10	5.8s,5.7b		
GCMT	XII	07 06 23 12.8–.10	13.44N	44.83W	12	5.6W,5.7b		
SZGRF	XII	07 06 23 20.6	13.38N	43.33W	33	5.6b,5.2s		
BGS	XII	07 06 23 28.4–3.7	15.13N	42.96W	10–0	5.6b,5.1b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.4km az=173.5.
IDC Error ellipse: s-maj=13.6km s-min=10.1km az=158.0.
MOS Error ellipse: s-maj=5.2km s-min=3.8km az=51.8.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=2.7km az=175.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=237, per= 50. Moment Tensor Solution. s86,c159; s64,c74; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.37±.03 $M_{\theta\theta}$-0.11±.03; $M_{\phi\phi}$3.48±.03; $M_{r\theta}$-0.32±.08; $M_{\theta\phi}$0.15±.03; $M_{\phi r}$-0.31±.08; Best double couple: NP1:ϕ_s177.00000°,δ43.00000°,λ-98.00000°. NP2:ϕ_s8.00000°,δ48.00000°,λ-83.00000°. Principal axes: T 3.5000,Plg3.0000°,Azm93.0000°; N -0.0900,Plg5.0000°,Azm183.0000° ; P -3.4100,Plg84.0000°,Azm335.0000° $M_0$3.50000×10^{17}
SZGRF Northern Mid-Atlantic Ridge.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(355) Gulf of Oman

ISC	**XII**	**07 13 36 21.4–.10**	**26.91N–.02**	**55.90E–.01**	**14**	**5.5b,5.1s**	**1894**	**1-157**
BGS	XII	07 13 35 56.4–2.3	24.52N	58.19E	10–0	5.6b,5.5b		**¶13402149**
BJI	XII	07 13 36 14.3	27.05N	55.16E	10	5.5b,5.4s		
IDC	XII	07 13 36 18.7–.44	26.91N	55.92E	0	5.3,5.2		
ISCJB	XII	07 13 36 19.3–.11	26.88N–.02	55.89E–.01	13	5.5b,5.1s		
TEH	XII	07 13 36 19.1	26.88N	55.91E	11	5.5b,5.1s		
THR	XII	07 13 36 20.8–.67	26.96N	55.77E	11–9	5.6b,5.2L		
CSEM	XII	07 13 36 20.9–.10	26.93N	55.92E	11	5.5b,5.4W		
NEIC	XII	07 13 36 21.3	26.99N	55.80E	15	5.7b,5.4W		
MOS	XII	07 13 36 22.0–.95	26.94N	55.85E	33	5.8b,4.9s		
GCMT	XII	07 13 36 23.1–.10	26.82N	55.74E	12	5.4W,4.9s		
OMAN	XII	07 13 36 24.2–99	26.80N	56.13E	10–0	5.4W,4.9s		
DJA	XII	07 13 36 28	27.10N	55.88E	58	5.5b,4.9s		
SZGRF	XII	07 13 36 33.4	26.71N	53.73E	33	5.5b,4.8s		

ISC Event type de.
BGS Error ellipse: s-maj=999.9km s-min=756.0km az=-1.0.
IDC Error ellipse: s-maj=12.5km s-min=8.3km az=10.0.
ISCJB Event type de. Error ellipse: s-maj=2.3km s-min=1.6km az=14.1.
THR Error ellipse: s-maj=12.9km s-min=9.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=6.0.
NEIC Event type de. Five people injured and buildings damaged on Jazireh-ye Qeshm. Felt at Dubai, United Arab Emirates. After THR. Moment Tensor Solution. s50 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s356.00000°,δ19.00000°,λ45.00000°. NP2:ϕ_s223.00000°,δ76.00000°,λ104.00000°. Principal axes: T 1.5900,Plg56.0000°,Azm150.0000°; N -0.2000,Plg13.0000°,Azm39.0000° ; P -1.3900,Plg30.0000°,Azm301.0000° $M_0$1.50000×10^{17}
MOS Error ellipse: s-maj=5.2km s-min=3.0km az=120.9.
GCMT Event type se. Data Used: IU II G CN IC. Surface waves: sta= 90, comp=192, per= 50. Moment Tensor Solution. s69,c121; s27,c27; Moment tensor: Scale 10^{17}Nm; M_{rr}1.29±.02 $M_{\theta\theta}$-0.90±.02; $M_{\phi\phi}$-0.39±.02; $M_{r\theta}$-0.05±.06; $M_{\theta\phi}$-0.95±.02; $M_{\phi r}$-0.44±.06; Best double couple: NP1:ϕ_s69.00000°,δ41.00000°,λ115.00000°. NP2:ϕ_s217.00000°,δ53.00000°,λ69.00000°. Principal axes: T 1.4200,Plg73.0000°,Azm71.0000°; N 0.2400,Plg16.0000°,Azm230.0000° ; P -1.6600,Plg6.0000°,Azm322.0000° $M_0$1.50000×10^{17}
OMAN Error ellipse: s-maj=868.0km s-min=31.6km az=8.0.
SZGRF Southern Iran.

(178) Kermadec Islands

ISC	**XII**	**07 15 49 57.7–.31**	**30.54S–.03**	**177.70W–.07**	**59**	**5.0b,4.4s**	**201**	**1-170**
ISCJB	XII	07 15 49 55.9–.31	30.59S–.03	177.71W–.07	57	5.0b,4.4s		**¶13402158**
MOS	XII	07 15 49 55.0–2.7	29.92S	177.85W	33	5.3b,4.4s		
NEIC	XII	07 15 49 56.9–.99	30.03S	177.76W	50–8	5.1b,4.9s		
BJI	XII	07 15 49 57.0	30.14S	177.93W	59	5.5b,5.4s		
GCMT	XII	07 15 49 58.7–.40	29.94S	177.49W	52–1	5.0W,5.4s		
IDC	XII	07 15 50 01.4–5.0	30.02S	177.81W	85–41	4.7,4.6		
DJA	XII	07 15 50 31	30.04S	178.60W	362	4.9b,4.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.2km az=18.7.
MOS Error ellipse: s-maj=11.2km s-min=9.6km az=99.4.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.9km az=136.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s40,c48; s50,c67; Moment tensor: Scale 10^{16}Nm; M_{rr}4.45±.23 $M_{\theta\theta}$-0.13±.17; $M_{\phi\phi}$-4.33±.15; $M_{r\theta}$0.25±.13; $M_{\theta\phi}$-1.11±.12; $M_{\phi r}$1.35±.12; Best double couple: NP1:ϕ_s195.00000°,δ37.00000°,λ92.00000°. NP2:ϕ_s13.00000°,δ53.00000°,λ89.00000°. Principal axes: T 4.6500,Plg82.0000° ,Azm277.0000°; N 0.1500,Plg1.0000°,Azm14.0000°; P -4.8100,Plg8.0000°,Azm104.0000° $M_0$4.70000×10^{16}
IDC Error ellipse: s-maj=16.8km s-min=15.0km az=79.0.

(243) Taiwan region

ISC	**XII**	**07 21 18 38.1–.09**	**23.88N–.01**	**122.19E–.01**	**48**	**5.3b,4.6s**	**900**	**1-168**
NIED	XII	07 21 18 00	23.90N	122.20E	29	5.2W,4.6s		**¶13402189**
IDC	XII	07 21 18 30.9–.42	23.92N	122.17E	0	5.0b,5.0		
BJI	XII	07 21 18 32.0	23.83N	122.25E	17	5.1L,5.0b		
NEIC	XII	07 21 18 36.7	23.84N	122.17E	12	5.4b,5.0b		
JMA	XII	07 21 18 36.8–.20	23.85N	122.17E	65	5.5,5.0b		
ISCJB	XII	07 21 18 36.3–.10	23.85N–.01	122.23E–.01	46	5.3b,4.6s		
MOS	XII	07 21 18 37.1–.95	23.94N	122.14E	52	5.5b,4.7s		
TAP	XII	07 21 18 37.2	23.85N	122.20E	35–0	5.9L,4.7s		
TEH	XII	07 21 18 37.0	23.88N	122.11E	35	5.9L,4.7s		
GCMT	XII	07 21 18 38.3–.20	23.81N	122.18E	38–0	5.2W,4.7s		
DJA	XII	07 21 18 39	23.84N	122.23E	50	5.3W,4.7s		
SZGRF	XII	07 21 18 49.3	25.76N	120.56E	33	5.2b,4.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ49.00000°,λ74.00000°. NP2: ϕ_s213.00000°,δ44.00000°,λ107.00000°. $M_0$6.07000×10^{16}
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=62.0.
NEIC Event type fe. Felt at Taipei. Recorded [4 TAP] in Hua-lien; [3 TAP] in Chang-hua and T'ai-tung; [2 TAP] in I-lan, T'ai-chung, T'ai-nan and T'ai-pei; [1 TAP] in Chia-i, Nan-t'ou, P'eng-hu and P'ing-tung. Recorded [1 JMA] on Iriomote-jima and Yonoguni-jima, Ryukyu Islands. After TAP.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=143.1.
MOS Error ellipse: s-maj=7.5km s-min=4.0km az=119.8.
TAP B.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s55,c76; s79,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}6.34±.22 $M_{\theta\theta}$1.33±.14; $M_{\phi\phi}$-7.67±.15; $M_{r\theta}$-1.52±.14; $M_{\theta\phi}$-1.48±.12; $M_{\phi r}$2.63±.16; Best double couple: NP1:ϕ_s208.00000°,δ39.00000°,λ119.00000°. NP2:ϕ_s352.00000°,δ57.00000°,λ69.00000°. Principal axes: T 7.3400,Plg70.0000° ,Azm214.0000°; N 0.9600,Plg18.0000°,Azm4.0000°; P -8.3000,Plg9.0000°,Azm97.0000° $M_0$7.80000×10^{16}
SZGRF Taiwan region.

(705) Off west coast of northern Sumatera

ISC	**XII**	**07 23 49 56.7–.17**	**4.53N–.03**	**93.35E–.02**	**29**	**5.0b,4.3s**	**477**	**2-158**
IDC	XII	07 23 49 51.8–.48	4.51N	93.36E	0	4.6,4.5		**¶11493401**
ISCJB	XII	07 23 49 54.8–.17	4.51N–.03	93.36E–.02	29	5.0b,4.3s		
MOS	XII	07 23 49 54.9–.90	4.56N	93.47E	31	5.3b,4.2s		
BJI	XII	07 23 49 55.0	4.51N	93.24E	34	5.0b,4.9b		
GCMT	XII	07 23 49 56.9–.30	4.46N	93.27E	14–1	5.0W,4.9b		
NEIC	XII	07 23 49 57.5–.76	4.57N	93.40E	36–6	5.2b,4.9b		
SZGRF	XII	07 23 49 59.1	6.00N	94.54E	33	5.0b,4.9b		
DJA	XII	07 23 50 00.0–1.1	5N–3.0	94E–3.0	38–9	5.7b,5.2		

ISC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s26,c33; s58,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.37±.13 $M_{\theta\theta}$1.40±.11; $M_{\phi\phi}$-1.04±.12; $M_{r\theta}$-0.80±.26; $M_{\theta\phi}$-2.98±.12; $M_{\phi r}$-1.60±.36; Best double couple: NP1:ϕ_s82.00000°,δ69.00000°,λ-163.00000°. NP2:ϕ_s346.00000°,δ75.00000°,λ-22.00000°. Principal axes: T 3.4200,Plg4.0000° ,Azm35.0000°; N 0.5000,Plg63.0000°,Azm133.0000°; P -3.9300,Plg27.0000°,Azm303.0000° $M_0$3.70000×10^{16}
NEIC Event type se.
SZGRF Northern Sumatera, Indonesia.

(403) Northern Mid-Atlantic Ridge

ISC	**XII**	**08 01 51 01.4–.17**	**13.41N–.04**	**44.82W–.01**	**10**	**5.3b,5.1s**	**1188**	**16-173**
ISCJB	XII	08 01 50 59.5–.17	13.46N–.04	44.84W–.01	10	5.3b,5.1s		**¶13836976**
IDC	XII	08 01 50 59.2–.36	13.40N	44.86W	0	4.9s,4.9		
MOS	XII	08 01 51 00.0–.87	13.61N	44.79W	10	5.7b,5.0s		
BGS	XII	08 01 51 00.4–3.2	13.42N	44.80W	10–0	5.2b,5.0s		
TEH	XII	08 01 51 01.0	13.42N	44.81W	10	5.2b,5.0s		
NEIC	XII	08 01 51 01.0–.16	13.42N	44.80W	10	5.6b,5.5W		
BJI	XII	08 01 51 02.3	13.40N	44.80W	10	5.7b,5.5s		
GCMT	XII	08 01 51 05.0–.10	13.51N	44.82W	12	5.5W,5.5s		
SZGRF	XII	08 01 51 06.2	13.09N	43.90W	33	5.7b,5.0s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=1.9km az=175.6.
IDC Error ellipse: s-maj=11.8km s-min=10.0km az=152.0.
MOS Error ellipse: s-maj=5.8km s-min=3.7km az=51.8.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.2km az=175.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=212, per= 50. Moment Tensor Solution. s74,c120; s43,c45; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.09±.02 $M_{\theta\theta}$-0.05±.02; $M_{\phi\phi}$2.14±.02; $M_{r\theta}$0.02±.06; $M_{\theta\phi}$-0.09±.02; $M_{\phi r}$-0.12±.06; Best double couple: NP1:ϕ_s178.00000°,δ43.00000°,λ-90.00000°. NP2:ϕ_s357.00000°,δ47.00000°,λ-90.00000°. Principal axes: T 2.1500,Plg2.0000°,Azm88.0000°; N -0.0500,Plg0.0000°,Azm358.0000° ; P -2.0900,Plg88.0000°,Azm257.0000° $M_0$2.10000×10^{17}
SZGRF Northern Mid-Atlantic Ridge.

(310) Nepal

ISC	**XII**	**08 08 59 08.8–.09**	**29.99N–.02**	**82.09E–.02**	**15**	**5.3b,4.8s**	**918**	**2-155**
BGS	XII	08 08 58 52.5–1.8	28.59N	85.02E	33–0	5.3b,4.8s		**¶12076333**
SZGRF	XII	08 08 59 04.5	28.80N	82.67E	33	5.4b,4.6s		
LDG	XII	08 08 59 05.1–.18	29.93N	81.99E	10–0	5.5b,4.5s		
IDC	XII	08 08 59 05.4–.34	29.85N	82.18E	0	5.2L,5.1		
BJI	XII	08 08 59 06.9	30.11N	82.23E	10	5.3s,5.3b		
ISCJB	XII	08 08 59 06.8–.09	29.98N–.02	82.05E–.02	14	5.3b,4.8s		
MOS	XII	08 08 59 07.4–1.1	29.92N	82.05E	21	5.5b,4.7s		
DJA	XII	08 08 59 08	29.89N	82.11E	10	5.5b,4.7s		
DMN	XII	08 08 59 08.7–.30	30.15N	81.86E	60–0	6.4L,4.7s		
NDI	XII	08 08 59 09.9–4.1	29.82N	82.10E	33–0	5.5b,5.3L		
NEIC	XII	08 08 59 11.3–.36	29.95N	82.05E	36–3	5.5b,4.8s		
GCMT	XII	08 08 59 12.5–.20	29.65N	82.01E	20–0	5.3W,4.8s		

ISC Event type fe.
BGS Error ellipse: s-maj=934.1km s-min=999.9km az=-1.0.
SZGRF Nepal.
LDG Event type ke. Error ellipse: s-maj=9.4km s-min=4.1km az=92.0.
IDC Error ellipse: s-maj=11.3km s-min=9.7km az=25.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=26.9.
MOS Error ellipse: s-maj=6.1km s-min=3.2km az=124.9.
DMN Event type ke. Error ellipse: s-maj=8.0km s-min=5.7km az=41.0.
NDI Error ellipse: s-maj=14.2km s-min=11.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.3km az=218.0. Felt [III] at Pokhara.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s51,c78; s90,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.61±.21 $M_{\theta\theta}$-6.77±.19; $M_{\phi\phi}$9.37±.20; $M_{r\theta}$3.86±.44; $M_{\theta\phi}$2.57±.15; $M_{\phi r}$-2.44±.38; Best double couple: NP1:ϕ_s230.00000°,δ62.00000°,λ-17.00000°. NP2:ϕ_s328.00000°,δ75.00000°,λ-151.00000°. Principal axes: T 10.1000,Plg9.0000° ,Azm97.0000°; N -0.4000,Plg57.0000°,Azm353.0000°; P -9.7000,Plg31.0000° ,Azm192.0000° $M_0$9.90000×10^{16}

(353) Southern Iran

ISC	**XII**	**08 14 41 47.6–.52**	**26.85N–.01**	**55.86E–.01**	**33–3**	**5.3b,4.6s**	**1309**	**1-134**
BGS	XII	08 14 41 18.1–2.5	23.45N	57.32E	10–0	5.2b,4.6s		**¶14882682**
IDC	XII	08 14 41 42.9–.35	26.92N	56.01E	0	5.2b,5.2		
TEH	XII	08 14 41 43.3	26.95N	55.83E	6	5.2b,5.2		
ISCJB	XII	08 14 41 43.9–.47	26.86N–.02	55.85E–.01	20–3	5.3b,4.6s		
NEIC	XII	08 14 41 43.3	26.92N	55.85E	6	5.5b,5.3L		
BJI	XII	08 14 41 43.7	27.11N	55.27E	39	5.4b,5.2b		
CSEM	XII	08 14 41 44.2–.10	26.87N	55.86E	9	5.3b,5.2W		
THR	XII	08 14 41 44.1–.57	27.00N	55.81E	2–0	5.3b,4.9L		
OMAN	XII	08 14 41 45.4–1.9	26.90N	55.74E	12–0	5.3b,4.9L		
MOS	XII	08 14 41 47.9–.88	26.97N	55.83E	49	5.5b,4.4s		
DJA	XII	08 14 41 52	26.81N	56.06E	60	5.4b,4.4s		
SZGRF	XII	08 14 42 05.4	27.33N	52.89E	33	4.4b,4.4s		

ISC Event type fe.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=9.6km s-min=6.7km az=3.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.1km az=21.5.
NEIC Event type fe. Felt at Dubai, United Arab Emirates. After THR.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=12.0.
THR Error ellipse: s-maj=7.3km s-min=5.1km az=-1.0.
OMAN Error ellipse: s-maj=28.8km s-min=5.3km az=44.0.
MOS Error ellipse: s-maj=5.4km s-min=3.2km az=121.7.
SZGRF Southern Iran.

(435) Southeast Indian Ridge

ISC	**XII**	**08 18 39 09.6–.14**	**53.02S–.03**	**106.80E–.05**	**10**	**5.9b,5.9s**	**474**	**13-176**
BJI	XII	08 18 39 02.2	53.92S	106.59E	10	6.6b,5.9s		**¶13402268**
BGS	XII	08 18 39 03.2–5.3	53.00S	106.82E	10–0	6.2b,5.9s		
ISCJB	XII	08 18 39 07.8–.14	53.00S–.03	106.81E–.05	10	5.9b,5.9s		
IDC	XII	08 18 39 07.6–.28	52.98S	106.91E	0	5.9s,5.9		
MOS	XII	08 18 39 09.1–1.0	52.84S	107.00E	10	6.1b,5.8s		
NEIC	XII	08 18 39 09.5–.09	53.01S	106.82E	11	6.3W,6.2b		
DJA	XII	08 18 39 14	53.09S	107.17E	40	6.5W,6.2b		
GCMT	XII	08 18 39 15.8–.10	53.09S	106.76E	21–0	6.3W,6.2b		

ISC Event type se.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.3km az=35.3.
IDC Error ellipse: s-maj=11.6km s-min=5.8km az=119.0.
MOS Error ellipse: s-maj=14.5km s-min=8.4km az=86.9.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.6km az=106.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 107 sta. Surface waves: sta=122, comp=290, per= 50. Moment Tensor Solution. s115,c259; s99,c194; Moment tensor: Scale 10^{18}Nm; M_{rr}-3.50±.02 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$3.38±.02; $M_{r\theta}$-0.65±.04; $M_{\theta\phi}$-0.77±.01; $M_{\phi r}$0.27±.03; Best double couple: NP1:ϕ_s356.00000°,δ42.00000°,λ-77.00000°. NP2:ϕ_s158.00000°,δ49.00000°,λ-102.00000°. Principal axes: T 3.5800,Plg3.0000° ,Azm257.0000°; N 0.0400,Plg9.0000°,Azm166.0000°; P -3.6200,Plg80.0000°,Azm7.0000° $M_0$3.60000×10^{18}

(177) Kermadec Islands region

ISC	**XII**	**09 06 24 01.0–.07**	**31.27S–.02**	**176.85W–.02**	**26**	**6.7s,6.2b**	**1149**	**2-176**
BJI	XII	09 06 23 57.5	30.51S	176.37W	12	6.9b,6.6s		**¶13402310**
IDC	XII	09 06 23 57.4–.30	30.98S	176.86W	0	6.6s,6.6		
ISCJB	XII	09 06 23 59.2–.07	31.31S–.02	176.90W–.02	25	6.7s,6.2b		
NEIC	XII	09 06 23 59.8–.09	31.23S	176.92W	18	6.8W,6.7s		
MOS	XII	09 06 24 00.9–.90	30.88S	176.95W	26	6.6s,6.4b		
GCMT	XII	09 06 24 07.0–.00	31.03S	176.54W	19–0	6.7W,6.4b		
DJA	XII	09 06 24 11	30.95S	177.00W	102	6.7W,6.4b		

ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=11.6km az=17.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=1.6km az=44.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=2.0km az=124.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s57 Moment tensor: Scale 10^{18}Nm; M_{rr}-9.97 $M_{\theta\theta}$2.36 $M_{\phi\phi}$7.61 $M_{r\theta}$-0.25 $M_{\theta\phi}$-1.14 $M_{\phi r}$0.38 Best double couple: NP1:ϕ_s167.00000°,δ46.00000°,λ-91.00000°. NP2: ϕ_s349.00000°,δ44.00000°,λ-89.00000°. Principal axes: T 7.8600,Plg1.0000°,Azm258.0000° ; N 2.1300,Plg0.0000°,Azm168.0000°; P -9.9800,Plg88.0000°,Azm48.0000°

$M_0$9.10000×10^{18} Moment Tension Solution. $M_0$2.80000×10^{19}
MOS Error ellipse: s-maj=8.5km s-min=6.3km az=87.8.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 110 sta. Surface waves: sta=121, comp=281, per= 50. Moment Tensor Solution. s117,c278; s99,c256; Moment tensor: Scale 10^{19}Nm; M_{rr}-1.29±.01 $M_{\theta\theta}$-0.23±.01; $M_{\phi\phi}$1.52±.01; $M_{r\theta}$-0.19±.01; $M_{\theta\phi}$0.08 $M_{\phi r}$-0.35±.01; Best double couple: NP1:ϕ_s174.00000°,δ38.00000° ,λ-104.00000°. NP2:ϕ_s11.00000°,δ53.00000°,λ-79.00000°. Principal axes: T 1.5700,Plg7.0000°,Azm93.0000°; N -0.2100,Plg8.0000°,Azm184.0000° ; P -1.3600,Plg79.0000°,Azm323.0000° $M_0$1.50000×10^{19}

(307) Sichuan

ISC	XII	09 18 53 09.1–.73	32.53N–.02	105.39E–.02	9–4	5.4b,4.5s	957	2-175
BJI	XII	09 18 53 07.4	32.52N	105.48E	10	5.2L,5.2b		¶13402354
ISCJB	XII	09 18 53 07.6–.09	32.50N–.01	105.35E–.02	10	5.4b,4.5s		
IDC	XII	09 18 53 07.6–.32	32.58N	105.46E	0	5.3,5.2		
MOS	XII	09 18 53 09.0–.78	32.49N	105.45E	24	5.6b,4.4s		
GCMT	XII	09 18 53 10.4–.30	32.66N	105.65E	16–1	5.1W,4.4s		
NEIC	XII	09 18 53 11.1–1.1	32.52N	105.40E	24–7	5.5b,4.5s		
SZGRF	XII	09 18 53 11.3	32.17N	105.58E	33	5.5b,4.3s		
DJA	XII	09 18 53 15	32.48N	105.13E	54	5.6b,4.3s		

ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=2.3km s-min=2.1km az=163.3.
IDC Error ellipse: s-maj=12.3km s-min=7.9km az=49.0.
MOS Error ellipse: s-maj=6.2km s-min=3.4km az=118.5.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s12,c14; s62,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}3.44±.35 $M_{\theta\theta}$-1.85±.21; $M_{\phi\phi}$-1.59±.22; $M_{r\theta}$-4.21±.81; $M_{\theta\phi}$-2.47±.13; $M_{\phi r}$2.24±.74; Best double couple: NP1:ϕ_s24.00000°,δ38.00000°,λ34.00000°. NP2:ϕ_s266.00000°,δ70.00000°,λ123.00000°. Principal axes: T 6.9500,Plg53.0000° ,Azm216.0000°; N -2.2300,Plg30.0000°,Azm74.0000°; P -4.7100,Plg18.0000° ,Azm332.0000° $M_0$5.80000×10^{16}
NEIC Event type de. Error ellipse: s-maj=3.3km s-min=2.6km az=46.0. At least two people killed at Guangyuan and three injured in Lizhou. Felt [II] at Chengdu. Also felt at Ziyang.
SZGRF Sichuan, China.

(304) Nicobar Islands region

ISC	XII	09 21 00 51.3–1.1	7.62N–.03	92.21E–.03	33–7	5.0b,4.4s	495	4-159
BJI	XII	09 21 00 44.5	7.31N	92.26E	20	5.0b,4.8b		¶12076609
IDC	XII	09 21 00 46.6–.35	7.67N	92.19E	0	4.8,4.8L		
ISCJB	XII	09 21 00 49.5–.15	7.64N–.03	92.24E–.02	33	5.0b,4.4s		
MOS	XII	09 21 00 49.8–.90	7.70N	92.20E	33	5.3b,4.4s		
NEIC	XII	09 21 00 52.4–.88	7.67N	92.22E	43–8	5.2b,4.4s		
GCMT	XII	09 21 00 52.1–.20	7.71N	92.20E	12	5.1W,4.4s		
SZGRF	XII	09 21 00 56.3	8.23N	91.69E	37	5.5b,4.4s		
DJA	XII	09 21 00 56	7.51N	92.59E	118	4.9b,4.4s		

ISC Event type se.
IDC Error ellipse: s-maj=12.9km s-min=9.9km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.8km az=36.4.
MOS Error ellipse: s-maj=7.6km s-min=4.2km az=118.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.0km az=51.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s23,c29; s73,c118; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.98±.15 $M_{\theta\theta}$-2.37±.13; $M_{\phi\phi}$5.35±.11; $M_{r\theta}$1.81±.45; $M_{\theta\phi}$-0.26±.11; $M_{\phi r}$-1.98±.33; Best double couple: NP1:ϕ_s212.00000°,δ44.00000°,λ-35.00000°. NP2:ϕ_s328.00000°,δ67.00000°,λ-128.00000°. Principal axes: T 5.8500,Plg14.0000° ,Azm85.0000°; N -1.1500,Plg35.0000°,Azm346.0000°; P -4.7000,Plg52.0000° ,Azm193.0000° $M_0$5.30000×10^{16}
SZGRF Nicobar Islands, India, region.

(710) Pakistan

ISC	XII	09 22 52 37.6–.10	30.39N–.02	67.42E–.01	10	5.6s,5.5b	1197	0-176
IDC	XII	09 22 52 35.9–.36	30.43N	67.46E	0	5.5s,5.5		¶13402361
ISCJB	XII	09 22 52 35.6–.10	30.38N–.02	67.43E–.01	10	5.6s,5.5b		
MOS	XII	09 22 52 36.9–1.0	30.47N	67.46E	17	5.8b,5.5s		
NNC	XII	09 22 52 36.4–1.7	30.43N	67.62E	0	5.4b,5.5s		
BJI	XII	09 22 52 36.9	30.72N	67.53E	9	6.0s,5.8		
SZGRF	XII	09 22 52 36.8	29.40N	67.44E	33	5.6b,5.3s		
BGS	XII	09 22 52 37.2–2.2	29.88N	66.71E	10–0	5.7s,5.3b		
NEIC	XII	09 22 52 37.6–.12	30.44N	67.40E	10	5.7b,5.7s		
GCMT	XII	09 22 52 39.3–.10	30.33N	67.51E	16	5.7W,5.7s		
DJA	XII	09 22 52 55	30.00N	67.66E	136	5.5b,5.7s		

ISC Event type se.
IDC Error ellipse: s-maj=9.2km s-min=8.4km az=24.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=11.4.
MOS Error ellipse: s-maj=5.3km s-min=3.1km az=123.6.
NNC Error ellipse: s-maj=23.3km s-min=15.9km az=155.0.
SZGRF Pakistan.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=10.0. Felt strongly at Quetta. Also felt in Pishin and Ziarat. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}0.20 $M_{\theta\theta}$-1.77 $M_{\phi\phi}$1.57 $M_{r\theta}$-0.03 $M_{\theta\phi}$1.00 $M_{\phi r}$0.24 Best double couple: NP1:ϕ_s61.00000° ,δ83.00000°,λ4.00000°. NP2:ϕ_s330.00000°,δ86.00000°,λ173.00000°. Principal axes: T 1.8800,Plg7.0000°,Azm285.0000°; N 0.1800,Plg82.0000°,Azm122.0000° ; P -2.0500,Plg2.0000°,Azm15.0000° $M_0$2.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=101, comp=219, per= 50. Moment Tensor Solution. s73,c139; s29,c30; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.40±.04 $M_{\theta\theta}$-3.03±.05; $M_{\phi\phi}$3.43±.05; $M_{r\theta}$-0.35±.12; $M_{\theta\phi}$2.10±.04; $M_{\phi r}$0.97±.13; Best double couple: NP1:ϕ_s62.00000°,δ75.00000°,λ0.00000°. NP2:ϕ_s152.00000°,δ90.00000°,λ-165.00000°. Principal axes: T 4.2000,Plg10.0000°,Azm286.0000°; N -0.4400,Plg75.0000°,Azm152.0000° ; P -3.7700,Plg11.0000°,Azm18.0000° $M_0$4.00000×10^{17}

(273) Southwest of Sumatera

ISC	XII	11 17 06 09.6–.14	3.62S–.02	100.71E–.02	30	5.6b,5.4s	693	2-177
SZGRF	XII	11 17 05 52.5	6.82S	101.97E	30	5.7b,5.2s		¶12076955
BJI	XII	11 17 06 03.6	4.08S	100.76E	30	5.8s,5.8		
NEIC	XII	11 17 06 06.9–2.2	3.65S	100.75E	14–13	5.7b,5.5W		
ISCJB	XII	11 17 06 07.5–.14	3.60S–.02	100.74E–.02	28	5.6b,5.4s		
IDC	XII	11 17 06 08.6–.50	3.66S	100.74E	26–2	5.2,5.2b		
MOS	XII	11 17 06 08.7–1.1	3.50S	100.82E	33	5.9b,5.2s		
DJA	XII	11 17 06 09	3.72S	100.55E	29	5.4W,5.2s		
GCMT	XII	11 17 06 11.0–.10	3.94S	100.42E	16	5.7W,5.2s		

ISC Event type se.
SZGRF Southwest of Sumatera, Indonesia.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.6km az=223.0. Felt [II] at Bengkulu, Sumatra. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$0.16 $M_{r\theta}$1.45 $M_{\theta\phi}$0.83 $M_{\phi r}$-1.03 Best double couple: NP1:ϕ_s276.00000°,δ23.00000° ,λ64.00000°. NP2:ϕ_s124.00000°,δ70.00000°,λ100.00000°. Principal axes: T 2.1600,Plg63.0000°,Azm50.0000°; N 0.4400,Plg9.0000°,Azm300.0000° ; P -2.5900,Plg24.0000°,Azm206.0000° $M_0$2.40000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.1km az=29.8.
IDC Error ellipse: s-maj=13.3km s-min=8.6km az=48.0.
MOS Error ellipse: s-maj=8.5km s-min=4.3km az=114.8.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 91, comp=156, per= 50. Moment Tensor Solution. s84,c150; s24,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}1.30±.03 $M_{\theta\theta}$-0.80±.02; $M_{\phi\phi}$-0.50±.03; $M_{r\theta}$3.16±.08; $M_{\theta\phi}$0.90±.02; $M_{\phi r}$-2.13±.09; Best double couple: NP1:ϕ_s319.00000°,δ11.00000°,λ104.00000°. NP2:ϕ_s124.00000°,δ80.00000°,λ87.00000°. Principal axes: T 3.9500,Plg55.0000°,Azm31.0000°; N 0.2500,Plg3.0000°,Azm125.0000° ; P -4.2000,Plg35.0000°,Azm217.0000° $M_0$4.10000×10^{17}

(276) Sunda Strait

ISC	XII	11 20 55 06.8–.44	5.92S–.03	105.34E–.03	56–4	5.1b,4.4s	433	1-173
IDC	XII	11 20 54 58.8–.34	5.84S	105.44E	0	5.0,5.0		¶12076994
BJI	XII	11 20 54 59.4	5.90S	105.30E	10	5.1b,5.0s		
MOS	XII	11 20 55 02.6–1.4	5.75S	105.50E	33	5.4b,5.0s		
DJA	XII	11 20 55 04.4–.20	6S–3.0	105E–2.0	10–0	5.5b,5.2		
NEIC	XII	11 20 55 04.2–.19	5.85S	105.33E	35	5.2b,5.2		
ISCJB	XII	11 20 55 05.6–.47	5.91S–.03	105.38E–.03	61–4	5.1b,5.2		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

(177) Kermadec Islands region

ISC	XII	12 10 46 17.1–2.5	31.26S–.04	176.81W–.08	4–15	4.9b,4.1s	119	2-163
IDC	XII	12 10 46 16.3–.56	30.96S	176.77W	0	4.8,4.7		¶13402552
BJI	XII	12 10 46 16.6	30.46S	176.20W	10	5.5b,5.4b		
ISCJB	XII	12 10 46 17.4–2.5	31.40S–.05	176.77W–.09	18–17	4.9b,4.1s		
NEIC	XII	12 10 46 17.7–.27	31.11S	176.80W	10	5.1b,4.1s		
MOS	XII	12 10 46 21.4–.99	30.87S	176.93W	33	5.1b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=18.1km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=6.9km az=26.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.6km az=121.0.
MOS Error ellipse: s-maj=17.0km s-min=12.2km az=131.0.

(177) Kermadec Islands region

ISC	XII	12 11 55 33.1–.15	31.36S–.04	176.83W–.05	35	5.2b,4.2s	247	2-163
BJI	XII	12 11 55 27.0	30.78S	176.72W	2	5.6b,5.4b		¶13402557
IDC	XII	12 11 55 28.1–.49	30.95S	176.75W	0	4.9,4.8		
NEIC	XII	12 11 55 29.6–.24	31.07S	176.81W	10	5.1b,4.8		
ISCJB	XII	12 11 55 31.1–.15	31.43S–.04	176.85W–.05	33	5.2b,4.2s		
GCMT	XII	12 11 55 31.1–.40	30.89S	176.25W	12	5.0W,4.2s		
MOS	XII	12 11 55 33.1–1.1	30.86S	176.90W	33	5.3b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=19.0km az=17.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=7.1km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.1km az=42.5.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s16,c20; s55,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.31±.11 $M_{\theta\theta}$0.21±.12; $M_{\phi\phi}$2.10±.10; $M_{r\theta}$1.22±.41; $M_{\theta\phi}$1.06±.08; $M_{\phi r}$-2.53±.34; Best double couple: NP1:ϕ_s225.00000°,δ30.00000°,λ-41.00000°. NP2:ϕ_s352.00000°,δ71.00000°,λ-114.00000°. Principal axes: T 3.3300,Plg22.0000° ,Azm100.0000°; N 0.7000,Plg22.0000°,Azm1.0000°; P -4.0300,Plg58.0000°,Azm230.0000° $M_0$3.70000×10^{16}
MOS Error ellipse: s-maj=15.6km s-min=10.1km az=125.2.

(742) Western Indian-Antarctic Ridge

ISC	XII	13 08 45 35.2–1.9	49.09S–.03	123.43E–.05	0–11	5.8b,5.8s	335	17-171
BJI	XII	13 08 45 34.4	49.00S	123.40E	5	6.1b,5.8s		¶13402622
IDC	XII	13 08 45 34.6–.45	49.00S	123.48E	0	5.7s,5.7		
ISCJB	XII	13 08 45 35.1–.16	49.08S–.03	123.43E–.05	10	5.8s,5.7b		
MOS	XII	13 08 45 35.8–1.1	48.84S	123.40E	11	6.0b,5.7s		
NEIC	XII	13 08 45 36.3–.13	48.98S	123.40E	10	6.0b,5.9W		
GCMT	XII	13 08 45 37.1–.10	49.12S	123.86E	12	5.9W,5.9W		
DJA	XII	13 08 45 38	49.11S	123.71E	10	6.2W,5.9W		

ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=12.4km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=4.0km az=22.8.
MOS Error ellipse: s-maj=13.9km s-min=7.7km az=79.9.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.6km az=86.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=253, per= 50. Moment Tensor Solution. s95,c171; s88,c122; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.96±.01 $M_{\theta\theta}$1.01±.01; $M_{\phi\phi}$-0.05±.01; $M_{r\theta}$-0.14±.02; $M_{\theta\phi}$-0.12±.01; $M_{\phi r}$0.03±.02; Best double couple: NP1:ϕ_s275.00000°,δ41.00000°,λ-92.00000°. NP2:ϕ_s98.00000°,δ49.00000°,λ-89.00000°. Principal axes: T 1.0400,Plg4.0000°,Azm187.0000°; N -0.0700,Plg1.0000°,Azm277.0000° ; P -0.9700,Plg86.0000°,Azm22.0000° $M_0$1.00000×10^{18}

(742) Western Indian-Antarctic Ridge

ISC	XII	13 08 59 41.9–.23	49.06S–.04	123.47E–.08	10	5.3b,5.3s	170	17-156
IDC	XII	13 08 59 39.6–.53	49.03S	123.49E	0	5.1s,5.1		¶12077273
BJI	XII	13 08 59 39.5	49.00S	123.50E	5	5.7s,5.7b		
ISCJB	XII	13 08 59 40.2–.23	49.05S–.04	123.49E–.08	10	5.3b,5.3s		
MOS	XII	13 08 59 40.5–1.4	48.98S	123.51E	10	5.5b,5.3s		
GCMT	XII	13 08 59 40.0–.20	49.19S	123.76E	12	5.4W,5.3s		
NEIC	XII	13 08 59 41.5–.17	49.01S	123.51E	10	5.5b,5.3s		
DJA	XII	13 08 59 47	49.10S	123.74E	48	5.3b,5.3s		

ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=13.0km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.3km az=10.9.
MOS Error ellipse: s-maj=20.8km s-min=8.7km az=82.1.
GCMT Event type se. Data Used: IU II IC G. Moment Tensor Solution. s20,c20; s71,c127; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04±.04 $M_{\theta\theta}$1.11±.03; $M_{\phi\phi}$-0.06±.04; $M_{r\theta}$-0.83±.11; $M_{\theta\phi}$0.37±.02; $M_{\phi r}$0.39±.12; Best double couple: NP1:ϕ_s232.00000°,δ34.00000°,λ-131.00000°. NP2:ϕ_s97.00000°,δ65.00000°,λ-67.00000°. Principal axes: T 1.4300,Plg17.0000° ,Azm170.0000°; N 0.0700,Plg21.0000°,Azm267.0000°; P -1.4900,Plg62.0000°,Azm45.0000° $M_0$1.50000×10^{17}
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.4km az=90.0.

(272) Seram

ISC	XII	13 19 00 37.3–.40	3.07S–.02	129.82E–.02	44–3	5.1b,4.3s	417	1-162
BJI	XII	13 19 00 27.9	3.94S	130.25E	44	5.2b,4.9b		¶12077325
IDC	XII	13 19 00 31.1–.38	3.06S	129.69E	0	5.0b,4.9		
MOS	XII	13 19 00 34.4–1.2	3.06S	129.74E	33	5.3b,4.2s		
ISCJB	XII	13 19 00 35.1–.48	3.04S–.02	129.82E–.02	40–4	5.1b,4.3s		
NEIC	XII	13 19 00 37.0–.19	3.11S	129.76E	44	5.2b,4.3s		
GCMT	XII	13 19 00 36.6–.30	3.05S	129.80E	25–1	5.1W,4.3s		
TEH	XII	13 19 00 37.0	3.19S	129.82E	44	5.1W,4.3s		
DJA	XII	13 19 00 38.1–.20	3S–3.0	130E–2.0	48–4	5.5b,5.4		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: IC IU II G CN. Moment Tensor Solution. s29,c37; s66,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}1.25±.20 $M_{\theta\theta}$3.54±.15; $M_{\phi\phi}$-4.79±.17; $M_{r\theta}$-2.11±.40; $M_{\theta\phi}$-0.92±.13; $M_{\phi r}$1.50±.38; Best double couple: NP1:ϕ_s227.00000°,δ59.00000°,λ165.00000°. NP2:ϕ_s325.00000°,δ77.00000°,λ32.00000°. Principal axes: T 5.0500,Plg32.0000° ,Azm191.0000°; N 0.1200,Plg55.0000°,Azm345.0000°; P -5.1600,Plg12.0000°,Azm93.0000° $M_0$5.10000×10^{16}

(186) Vanuatu Islands

ISC	XII	13 22 37 25.0–.94	14.12S–.04	166.57E–.04	42–8	5.0b,5.0s	213	8-165
LDG	XII	13 22 37 19.2–.18	13.79S	166.79E	10–0	5.2b,5.1s		¶13402670
NEIC	XII	13 22 37 20.3–.20	14.10S	166.57E	14	5.4b,5.4W		
ISCJB	XII	13 22 37 21.0–1.6	14.10S–.04	166.55E–.04	25–11	5.0b,5.0s		
MOS	XII	13 22 37 22.3–1.1	14.16S	166.54E	33	5.5b,5.0s		
GCMT	XII	13 22 37 25.1–.10	14.26S	166.59E	22–0	5.6W,5.0s		
BJI	XII	13 22 37 25.4	13.76S	166.59E	48	5.5b,5.3s		
IDC	XII	13 22 37 27.2–2.7	14.16S	166.49E	60–23	5.1,5.1s		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=24.6km s-min=7.6km az=86.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.7km az=35.0. Moment Tensor Solution. s40 Moment tensor: Scale 10^{17}Nm; M_{rr}1.51 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-1.14 $M_{r\theta}$0.35 $M_{\theta\phi}$0.11 $M_{\phi r}$-0.47 Best double couple: NP1:ϕ_s358.00000°,δ35.00000°,λ103.00000°. NP2:ϕ_s163.00000° ,δ56.00000°,λ81.00000°. Principal axes: T 1.6500,Plg76.0000°,Azm44.0000° ; N -0.3900,Plg7.0000°,Azm167.0000°; P -1.2500,Plg10.0000°,Azm258.0000° $M_0$1.50000×10^{17}
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.8km az=36.1.
MOS Error ellipse: s-maj=9.9km s-min=8.1km az=43.7.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 110 sta. Moment Tensor Solution. s100,c177; s99,c205; Moment tensor: Scale 10^{17}Nm; M_{rr}2.74±.04 $M_{\theta\theta}$0.23±.04; $M_{\phi\phi}$-2.97±.04; $M_{r\theta}$0.96±.07; $M_{\theta\phi}$0.78±.03; $M_{\phi r}$-0.47±.06; Best double couple: NP1:ϕ_s4.00000° ,δ41.00000°,λ116.00000°. NP2:ϕ_s151.00000°,δ54.00000°,λ69.00000°. Principal axes: T 3.0700,Plg72.0000°,Azm6.0000°; N 0.1600,Plg17.0000°,Azm164.0000° ; P -3.2300,Plg7.0000°,Azm256.0000° $M_0$3.20000×10^{17}
IDC Error ellipse: s-maj=13.6km s-min=12.3km az=61.0.

(229) Off east coast of Honshu

ISC	XII	14 20 29 32.1–.11	39.16N–.02	144.51E–.02	33	5.3b,4.5s	863	2-153
NIED	XII	14 20 29 00	39.20N	144.30E	44	5.0W,4.5s		¶12077492
MOS	XII	14 20 29 29.8–.71	39.24N	144.50E	27	5.5b,4.3s		
BJI	XII	14 20 29 29.3	39.23N	144.51E	29	5.3b,5.2b		
ISCJB	XII	14 20 29 30.1–.11	39.15N–.02	144.51E–.02	31	5.3b,4.5s		
NEIC	XII	14 20 29 31.6–.20	39.08N	144.50E	33–1	5.4b,5.0W		
IDC	XII	14 20 29 32.8–.37	39.09N	144.57E	47–2	4.8,4.8		
GCMT	XII	14 20 29 33.6–.20	39.18N	144.58E	48–0	5.2W,4.8		
JMA	XII	14 20 29 34.2–.20	39.17N	144.31E	51	5.2,4.8		
SZGRF	XII	14 20 29 40.8	40.58N	144.15E	34	5.3b,4.7s		
DJA	XII	14 20 29 51	39.28N	144.66E	234	5.0b,4.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ74.00000°,λ129.00000°. NP2:ϕ_s104.00000°,δ41.00000°,λ24.00000°. $M_0$4.07000×10^{16}
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=153.5.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=151.0. Recorded [3 JMA] in Iwate, [2 JMA] in Miyagi and [1 JMA] in Aomori, Fukushima and Tochigi. Also recorded [1 JMA] on Hokkaido. Moment Tensor Solution. $M_0$4.10000×10^{16}
IDC Error ellipse: s-maj=10.6km s-min=8.8km az=131.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s66,c99; s79,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}6.25±.20 $M_{\theta\theta}$-2.67±.14; $M_{\phi\phi}$-3.58±.16; $M_{r\theta}$-0.96±.12; $M_{\theta\phi}$3.63±.10; $M_{\phi r}$3.15±.12; Best double couple: NP1:ϕ_s127.00000°,δ34.00000°,λ71.00000°.

NP2:ϕ_s330.00000°,δ58.00000°,λ102.00000°. Principal axes: T 7.1700,Plg73.0000° ,Azm272.0000°; N 0.2800,Plg11.0000°,Azm143.0000°; P -7.4500,Plg13.0000°,Azm51.0000° $M_0$7.30000×10^{16}

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

SZGRF Off east coast of Honshu, Japan.

(732) East of South Sandwich Islands

ISC	**XII**	**14 20 36 29.8–.31**	**60.13S–.05**	**18.7W–.10**	**10**	**5.2s,5.0b**	**83**	**11-173**
ISCJB	XII	14 20 36 27.9–.32	60.15S–.06	18.7W–.10	10	5.2s,5.0b		**¶13402764**
IDC	XII	14 20 36 28.4–.45	60.04S	18.77W	0	5.1L,4.8s		
BJI	XII	14 20 36 29.9	60.10S	18.80W	10	5.6b,5.5s		
NEIC	XII	14 20 36 29.8–.18	60.08S	18.76W	10	5.3b,5.2s		
GCMT	XII	14 20 36 32.1–.10	60.37S	18.44W	12	5.5W,5.2s		
MOS	XII	14 20 36 33.0–2.0	60.19S	18.79W	33	4.9b,5.2s		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.1km az=137.1.

IDC Error ellipse: s-maj=18.3km s-min=14.8km az=27.0.

NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.1km az=203.0.

GCMT Event type se. Data Used: IU II IC G CN. Surface waves: sta= 99, comp=189, per= 50. Moment Tensor Solution. s67,c110; s33,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.94±.03 $M_{\theta\theta}$-0.10±.03; $M_{\phi\phi}$2.03±.02; $M_{r\theta}$-0.40±.08; $M_{\theta\phi}$-0.15±.02; $M_{\phi r}$-0.06±.07; Best double couple: NP1:ϕ_s164.00000°,δ46.00000°,λ-107.00000°. NP2:ϕ_s8.00000°,δ47.00000°,λ-73.00000°. Principal axes: T 2.0400,Plg0.0000°,Azm86.0000°; N -0.0200,Plg12.0000°,Azm176.0000° ; P -2.0300,Plg78.0000°,Azm354.0000° $M_0$2.00000×10^{17}

MOS Error ellipse: s-maj=25.6km s-min=11.4km az=99.7.

(274) Southern Sumatera

ISC	**XII**	**15 21 18 11.1–.16**	**2.83S–.03**	**101.00E–.02**	**53**	**5.3b,4.6s**	**502**	**1-177**
BJI	XII	15 21 18 01.5	3.68S	100.87E	55	5.3b,5.2b		**¶12077665**
MOS	XII	15 21 18 07.3–.94	2.65S	101.24E	33	5.6b,4.6s		
ISCJB	XII	15 21 18 09.2–.16	2.82S–.03	101.01E–.02	51	5.3b,4.6s		
IDC	XII	15 21 18 10.8–1.2	2.75S	101.15E	50–9	4.8,4.8		
DJA	XII	15 21 18 10.3–.30	3S–2.0	101E–3.0	46–3	5.7,5.7b		
NEIC	XII	15 21 18 10.1–.83	2.83S	101.04E	49–7	5.3b,5.2W		
GCMT	XII	15 21 18 13.2–.20	3.00S	100.88E	50–1	5.3W,5.2W		
SZGRF	XII	15 21 18 30.2	3.28N	101.46E	33	5.3b,4.5s		

ISC Event type fe.

MOS Error ellipse: s-maj=9.5km s-min=4.8km az=115.6.

ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.5km az=40.7.

IDC Error ellipse: s-maj=13.6km s-min=8.1km az=59.0.

NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.3km az=60.0. Felt [III] at Mukomuko and [II] at Bengkulu and Kapahiang. Moment Tensor Solution. s27 Moment tensor: Scale 10^{16} Nm; M_{rr}3.94 $M_{\theta\theta}$2.58 $M_{\phi\phi}$-6.53 $M_{r\theta}$4.39 $M_{\theta\phi}$1.87 $M_{\phi r}$-1.59 Best double couple: NP1: ϕ_s135.00000°,δ68.00000°,λ49.00000°. NP2:ϕ_s22.00000°,δ45.00000°,λ149.00000°. Principal axes: T 7.7000,Plg49.0000°,Azm359.0000°; N -0.2300,Plg37.0000°,Azm152.0000° ; P -7.4900,Plg13.0000°,Azm253.0000° $M_0$7.60000×10^{16}

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s73,c111; s75,c137; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s328.00000°,δ26.00000°,λ110.00000°. NP2:ϕ_s126.00000° ,δ66.00000°,λ80.00000°. Principal axes: T 1.0400,Plg68.0000°,Azm18.0000° ; N 0.0500,Plg9.0000°,Azm130.0000°; P -1.0900,Plg20.0000°,Azm223.0000° $M_0$1.10000×10^{17}

SZGRF Malay Peninsula.

(177) Kermadec Islands region

ISC	**XII**	**16 20 31 59.8–.46**	**31.52S–.04**	**176.91W–.09**	**35**	**5.0b,4.2s**	**122**	**2-163**
BJI	XII	16 20 31 52.7	30.98S	176.39W	6	5.6b,5.2s		**¶11508117**
NEIC	XII	16 20 31 55.2–.43	31.28S	176.85W	10	5.1b,4.8s		
IDC	XII	16 20 31 55.1–.56	31.16S	176.95W	0	4.8,4.7		
ISCJB	XII	16 20 31 58.0–.46	31.57S–.05	176.93W–.09	33	5.0b,4.2s		
MOS	XII	16 20 31 59.5–2.3	31.02S	177.08W	33	5.2b,4.2s		
SZGRF	XII	16 20 32 02.1	30.77S	177.45W	33	5.2b,4.2s		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.7km az=116.0.

IDC Error ellipse: s-maj=19.9km s-min=18.1km az=138.0.

ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=5.6km az=19.6.

MOS Error ellipse: s-maj=14.0km s-min=10.6km az=116.9.

SZGRF Kermadec Islands, New Zealand.

(273) Southwest of Sumatera

ISC	**XII**	**17 16 06 59.3–.36**	**6.11S–.02**	**103.44E–.02**	**44–3**	**5.6b,4.7s**	**706**	**1-160**
BJI	XII	17 16 06 50.2	6.79S	103.51E	35	5.7b,5.2b		**¶12077932**
IDC	XII	17 16 06 53.0–.40	6.03S	103.54E	0	5.4,5.4b		
DJA	XII	17 16 06 54.6–.70	6S–3.0	103E–2.0	17–6	6.0,5.9b		
MOS	XII	17 16 06 57.1–1.0	5.87S	103.67E	33	5.9b,4.6s		
ISCJB	XII	17 16 06 57.2–.42	6.10S–.02	103.45E–.02	41–3	5.6b,4.7s		
NEIC	XII	17 16 06 58.2–.12	6.07S	103.51E	35	5.7b,5.2W		
SZGRF	XII	17 16 07 02.3	3.96S	104.49E	33	5.5b,5.2W		
GCMT	XII	17 16 07 04.3–.20	6.49S	103.23E	42–1	5.2W,5.2W		

ISC Event type se.

IDC Error ellipse: s-maj=15.8km s-min=10.3km az=45.0.

MOS Error ellipse: s-maj=9.1km s-min=4.7km az=114.5.

ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=32.6.

NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=51.0. Felt [III] at Liwa and [II] at Kapahiang. Moment Tensor Solution. s13 Moment tensor: Scale 10^{16}Nm; M_{rr}5.37 $M_{\theta\theta}$-4.39 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.99 $M_{\theta\phi}$3.72 $M_{\phi r}$2.25 Best double couple: NP1:ϕ_s318.00000°,δ56.00000° ,λ109.00000°. NP2:ϕ_s106.00000°,δ38.00000°,λ64.00000°. Principal axes: T 6.0900,Plg71.0000°,Azm273.0000°; N 1.0300,Plg15.0000°,Azm126.0000° ; P -7.1200,Plg9.0000°,Azm34.0000° $M_0$6.70000×10^{16}

SZGRF Southern Sumatera, Indonesia.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 74, comp=108, per= 50. Moment Tensor Solution. s65,c99; s5,c5; Moment tensor: Scale 10^{16}Nm; M_{rr}5.59±.21 $M_{\theta\theta}$-3.69±.15; $M_{\phi\phi}$-1.90±.18; $M_{r\theta}$3.76±.16; $M_{\theta\phi}$3.83±.11; $M_{\phi r}$-2.34±.18; Best double couple: NP1:ϕ_s314.00000°,δ27.00000°,λ99.00000°. NP2:ϕ_s124.00000°,δ63.00000°,λ85.00000°. Principal axes: T 7.0400,Plg72.0000°,Azm23.0000°; N 1.1000,Plg4.0000°,Azm126.0000° ; P -8.1400,Plg18.0000°,Azm217.0000° $M_0$7.60000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**XII**	**18 06 47 13.2–.09**	**38.51N–.02**	**143.00E–.02**	**28**	**5.3b,5.2s**	**1218**	**1-154**
NIED	XII	18 06 47 00	38.40N	143.40E	23	5.3W,5.2s		**¶13403119**
IDC	XII	18 06 47 07.3–.45	38.36N	143.22E	0	4.9,4.9		
JMA	XII	18 06 47 07.3–.20	38.37N	143.44E	27	5.5,4.9		
BJI	XII	18 06 47 08.6	38.49N	142.90E	10	5.6b,5.5b		
ISCJB	XII	18 06 47 11.3–.10	38.50N–.02	142.99E–.02	26	5.3b,5.2s		
NEIC	XII	18 06 47 13.6–1.4	38.43N	143.00E	35–9	5.4b,5.3W		
MOS	XII	18 06 47 13.2–.84	38.71N	142.94E	33	5.7b,5.3s		
SZGRF	XII	18 06 47 13.0	39.32N	143.58E	32	5.5b,5.3s		
GCMT	XII	18 06 47 14.0–.20	38.44N	143.32E	21–0	5.3W,5.3s		
DJA	XII	18 06 47 26	38.36N	142.57E	124	5.3b,5.3s		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ58.00000°,λ88.00000°. NP2:ϕ_s205.00000°,δ32.00000°,λ93.00000°. $M_0$9.63000×10^{16}

IDC Error ellipse: s-maj=13.6km s-min=12.0km az=109.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.6km az=162.5.

NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.1km az=144.0. Felt at Misawa. Recorded [3 JMA] in Miyagi; [2 JMA] in Akita, Aomori and Iwate; [1 JMA] in Fukushima and Yamagata. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s30.00000°,δ66.00000°,λ89.00000°. NP2:ϕ_s213.00000°,δ24.00000°,λ93.00000°. Principal axes: T 1.1000,Plg68.0000° ,Azm297.0000°; N -0.0400,Plg1.0000°,Azm30.0000°; P -1.0600,Plg21.0000°,Azm121.0000° $M_0$1.10000×10^{17} Moment Tensor Solution. $M_0$9.60000×10^{16}

MOS Error ellipse: s-maj=6.1km s-min=3.7km az=106.9.

SZGRF Off east coast of Honshu, Japan.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 97, comp=190, per= 50. Moment Tensor Solution. s72,c105; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s194.00000°,δ20.00000° ,λ83.00000°. NP2:ϕ_s21.00000°,δ70.00000°,λ93.00000°. Principal axes: T 1.1200,Plg65.0000°,Azm296.0000°; N 0.0200,Plg2.0000°,Azm201.0000° ; P -1.1400,Plg25.0000°,Azm109.0000° $M_0$1.10000×10^{17}

(134) Off coast of central Chile

ISC	**XII**	**18 21 19 29.8–.65**	**32.38S–.02**	**71.67W–.03**	**24–4**	**6.0s,5.7b**	**903**	**0-178**
BJI	XII	18 21 19 26.8	32.14S	72.44W	19	6.3s,6.2		**¶13813917**
ISCJB	XII	18 21 19 28.6–.66	32.33S–.02	71.68W–.03	26–4	6.0s,5.7b		
NEIC	XII	18 21 19 28.4–.10	32.46S	71.73W	18	6.2W,6.0s		
GUC	XII	18 21 19 28.4–.52	32.48S	71.90W	25–3	5.8L,6.0s		
MOS	XII	18 21 19 29.9–1.0	32.30S	71.70W	33	6.0s,5.8b		
IDC	XII	18 21 19 29.5–1.1	32.47S	71.67W	24–6	6.0,6.0s		
GCMT	XII	18 21 19 33.6–.10	32.63S	72.13W	22–0	6.1W,6.0s		
SZGRF	XII	18 21 19 38.4	31.92S	67.31W	33	6.3b,6.0s		
DJA	XII	18 21 19 45	32.79S	71.56W	142	5.5b,6.0s		

ISC Event type se.

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.9km az=147.7.

NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=65.0. Felt [V] at La Ligua, Valparaiso and Vina del Mar; [IV] at Melipilla, Quillota and Santiago; [III] at Rancagua; [II] at Canela, Illapel and Salamanca. Also felt at Cabildo, Colina, Limache, Machali and Penaflor. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s175.00000°,δ70.00000°,λ90.00000°. NP2:ϕ_s355.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm85.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm265.0000° Moment Tensor Solution. s157 Moment tensor: Scale 10^{18}Nm; M_{rr}0.84 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-1.07 $M_{r\theta}$0.11 $M_{\theta\phi}$0.08 $M_{\phi r}$-1.00 Best double couple: NP1:ϕ_s360.00000° ,δ22.00000°,λ95.00000°. NP2:ϕ_s174.00000°,δ68.00000°,λ88.00000°. Principal axes: T 1.2700,Plg66.0000°,Azm80.0000°; N 0.2300,Plg1.0000°,Azm174.0000° ; P -1.5100,Plg23.0000°,Azm265.0000° $M_0$1.40000×10^{18} Moment Tensor Solution. $M_0$1.90000×10^{18}

GUC Error ellipse: s-maj=2.0km s-min=3.4km az=-1.0.

MOS Error ellipse: s-maj=10.9km s-min=6.2km az=95.8.

IDC Error ellipse: s-maj=9.6km s-min=5.3km az=79.0.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=113, comp=252, per= 50. Moment Tensor Solution. s112,c239; s90,c125; Moment tensor: Scale 10^{18}Nm; M_{rr}1.13±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-1.25±.01; $M_{r\theta}$0.13±.02; $M_{\theta\phi}$0.06±.01; $M_{\phi r}$-1.54±.03; Best double couple: NP1:ϕ_s360.00000°,δ19.00000°,λ94.00000°. NP2:ϕ_s175.00000°,δ71.00000°,λ89.00000°. Principal axes: T 1.8900,Plg64.0000°,Azm83.0000°; N 0.1200,Plg1.0000°,Azm176.0000° ; P -2.0100,Plg26.0000°,Azm267.0000° $M_0$2.00000×10^{18}

SZGRF San Juan Province, Argentina.

(135) Near coast of central Chile

ISC	**XII**	**18 21 26 30.2–1.1**	**32.50S–.04**	**71.98W–.08**	**20–6**	**5.8s,4.7b**	**46**	**1-156**
IDC	XII	18 21 26 27.5–1.5	32.50S	71.63W	0	5.8s,5.7		**¶12078101**
ISCJB	XII	18 21 26 29.8–1.1	32.51S–.05	72.07W–.08	32–7	5.8s,4.7b		
GUC	XII	18 21 26 30.8–.92	32.49S	71.91W	30–5	4.7L,4.7b		
NEIC	XII	18 21 26 30.8	32.49S	71.91W	30	4.8b,4.7L		

ISC Event type se.

IDC Error ellipse: s-maj=58.6km s-min=25.4km az=98.0.

ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.0km az=154.2.

GUC Error ellipse: s-maj=2.3km s-min=5.6km az=-1.0.

NEIC Event type se. After GUC.

(135) Near coast of central Chile

ISC	**XII**	**18 21 50 33.1–.45**	**32.47S–.02**	**71.61W–.04**	**41–4**	**5.8s,5.6b**	**801**	**1-178**
IDC	XII	18 21 50 26.8–.30	32.59S	71.77W	0	5.7s,5.7		**¶12078106**
BJI	XII	18 21 50 28.7	32.50S	71.70W	10	6.2s,6.0		
GUC	XII	18 21 50 28.3–.74	32.48S	72.05W	25–5	5.5L,6.0		
NEIC	XII	18 21 50 28.0	32.47S	72.05W	25	6.0W,5.8b		
ISCJB	XII	18 21 50 31.6–.45	32.46S–.02	71.71W–.04	42–4	5.8s,5.6b		
MOS	XII	18 21 50 31.7–1.1	31.95S	71.91W	33	5.8s,5.8b		
GCMT	XII	18 21 50 34.0–.10	32.62S	72.11W	21–0	5.9W,5.8b		
DJA	XII	18 21 51 03	33.21S	71.25W	267	5.3b,5.8b		

ISC Event type se.

IDC Error ellipse: s-maj=11.7km s-min=8.3km az=96.0.

GUC Error ellipse: s-maj=2.3km s-min=4.7km az=-1.0.

NEIC Event type fe. Felt [III] at Papudo, Puchuncavi, Santiago, Valparaiso and Zapallar; [II] La Ligua and Vina del Mar. Also felt at Graneros, Puente Alto, Quillota and Quilpue. After GUC.

ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.7km az=164.4.

MOS Error ellipse: s-maj=12.0km s-min=7.0km az=92.2.

GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=106, comp=216, per= 50. Moment Tensor Solution. s82,c142; s60,c66; Moment tensor: Scale 10^{17}Nm; M_{rr}4.43±.10 $M_{\theta\theta}$0.08±.05; $M_{\phi\phi}$-4.51±.07; $M_{r\theta}$0.25±.11; $M_{\theta\phi}$0.53±.04; $M_{\phi r}$-6.10±.21; Best double couple: NP1:ϕ_s350.00000°,δ18.00000°,λ83.00000°. NP2:ϕ_s177.00000°,δ72.00000°,λ92.00000°. Principal axes: T 7.5200,Plg63.0000°,Azm90.0000°; N 0.1200,Plg2.0000°,Azm356.0000° ; P -7.6500,Plg27.0000°,Azm265.0000° $M_0$7.60000×10^{17}

(134) Off coast of central Chile

ISC	**XII**	**19 07 30 07.1–.90**	**32.51S–.03**	**71.88W–.04**	**12–5**	**5.1b,5.0s**	**646**	**1-178**
GUC	XII	19 07 30 06.9–.63	32.54S	72.02W	12–34	5.1L,5.0s		**¶11513607**
NEIC	XII	19 07 30 06.0	32.54S	72.02W	12	5.2b,5.1L		
ISCJB	XII	19 07 30 06.8–.91	32.52S–.03	71.97W–.04	21–6	5.1b,5.0s		
BJI	XII	19 07 30 08.5	32.39S	72.02W	33	5.6s,5.2b		
MOS	XII	19 07 30 09.1–1.3	32.42S	71.79W	35	5.3b,5.2b		
IDC	XII	19 07 30 09.6–.39	32.52S	71.84W	32–2	4.9s,4.9		
GCMT	XII	19 07 30 11.8–.20	32.66S	72.24W	22–0	5.4W,4.9		

ISC Event type fe.

GUC Error ellipse: s-maj=16.3km s-min=25.0km az=-1.0.

NEIC Event type fe. Felt [III] at La Ligua, Papudo, Valparaiso, Vina del Mar and Zapallar; [II] at Curacavi, San Antonio and Santiago. After GUC.

ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.2km az=139.2.

MOS Error ellipse: s-maj=15.1km s-min=7.1km az=106.5.

IDC Error ellipse: s-maj=16.7km s-min=10.8km az=74.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c107; s88,c143; Moment tensor: Scale 10^{17}Nm; M_{rr}0.95±.03 $M_{\theta\theta}$0.06±.02; $M_{\phi\phi}$-1.01±.02; $M_{r\theta}$0.02±.03; $M_{\theta\phi}$0.01±.01; $M_{\phi r}$-1.17±.05; Best double couple: NP1:ϕ_s359.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s179.00000°,δ70.00000°,λ90.00000°. Principal axes: T 1.4900,Plg65.0000° ,Azm89.0000°; N 0.0600,Plg0.0000°,Azm179.0000°; P -1.5600,Plg25.0000°,Azm269.0000° $M_0$1.50000×10^{17}

(403) Northern Mid-Atlantic Ridge

ISC	**XII**	**19 08 31 52.4–.08**	**47.01N–.02**	**27.30W–.01**	**10**	**5.6s,5.5b**	**2200**	**8-174**
BJI	XII	19 08 31 49.3	47.33N	27.65W	5	6.0s,5.9b		**¶13813945**
IDC	XII	19 08 31 50.2–.34	46.98N	27.34W	0	6.0L,5.6s		
ISCJB	XII	19 08 31 50.5–.08	47.03N–.02	27.35W–.01	10	5.6s,5.5b		
MOS	XII	19 08 31 51.1–.97	47.03N	27.33W	13	5.8b,5.6s		
NEIC	XII	19 08 31 51.5–.10	47.01N	27.29W	5	5.9W,5.8W		
CSEM	XII	19 08 31 52.5–.06	47.11N	27.30W	11	5.9W,5.8b		
DJA	XII	19 08 31 53	46.89N	27.31W	10	5.5b,5.8b		
GCMT	XII	19 08 31 55.5–.10	46.92N	27.13W	12	5.9W,5.8b		
SFS	XII	19 08 32 04.0	46.77N	25.60W	0	5.9L,5.8b		
BGS	XII	19 08 32 05.7–1.6	47.36N	25.57W	10–0	5.8b,5.3s		
SZGRF	XII	19 08 32 08.1	47.35N	25.35W	33	5.7b,5.7s		

ISC Event type ke.

IDC Error ellipse: s-maj=11.8km s-min=8.8km az=155.0.

ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=1.1km az=2.6.

MOS Error ellipse: s-maj=5.9km s-min=3.5km az=154.1.

NEIC Event type se. Error ellipse: s-maj=3.8km s-min=1.5km az=1.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s0.00000°,δ75.00000° ,λ-90.00000°. NP2:ϕ_s180.00000°,δ15.00000°,λ-90.00000°. Principal axes: T Plg30.0000° ,Azm90.0000°; N Plg0.0000°,Azm0.0000°; P Plg60.0000°,Azm270.0000° Moment Tensor Solution. s108 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.87 $M_{\theta\theta}$-2.38 $M_{\phi\phi}$5.25 $M_{r\theta}$0.50 $M_{\theta\phi}$0.33 $M_{\phi r}$6.36 Best double couple: NP1:ϕ_s185.00000°,δ74.00000°,λ-88.00000°. NP2:ϕ_s357.00000° ,δ16.00000°,λ-98.00000°. Principal axes: T 8.7600,Plg28.0000°,Azm273.0000° ; N -2.3900,Plg2.0000°,Azm4.0000°; P -6.3700,Plg61.0000°,Azm98.0000° $M_0$7.80000×10^{17}

CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=1.7km az=2.0.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=119, comp=273, per= 50. Moment Tensor Solution. s97,c188; s91,c120; Moment tensor: Scale 10^{17}Nm; M_{rr}-7.44±.06 $M_{\theta\theta}$-0.18±.06; $M_{\phi\phi}$7.61±.05; $M_{r\theta}$0.47±.16; $M_{\theta\phi}$0.73±.05; $M_{\phi r}$-0.02±.16; Best double couple: NP1:ϕ_s2.00000°,δ45.00000°,λ-95.00000°. NP2:ϕ_s189.00000°,δ45.00000°,λ-85.00000°. Principal axes: T 7.6800,Plg0.0000°,Azm275.0000°; N -0.2100,Plg4.0000°,Azm5.0000° ; P -7.4700,Plg86.0000°,Azm184.0000° $M_0$7.60000×10^{17}

SFS Event type ke.

BGS Error ellipse: s-maj=58.3km s-min=123.4km az=-1.0.

SZGRF Northern Mid-Atlantic Ridge.

(135) Near coast of central Chile

ISC	**XII**	**19 09 36 08.2–.09**	**32.42S–.02**	**71.72W–.03**	**37**	**5.5s,5.5b**	**804**	**0-178**
IDC	XII	19 09 36 01.9–.37	32.38S	71.78W	0	5.5s,5.4		**¶11513615**
GUC	XII	19 09 36 04.9–.75	32.46S	71.95W	32–2	5.8L,5.4		
NEIC	XII	19 09 36 04.9	32.46S	71.95W	32	5.8L,5.6W		
ISCJB	XII	19 09 36 06.3–.09	32.42S–.02	71.84W–.03	35	5.5s,5.5b		
BJI	XII	19 09 36 06.3	32.57S	71.45W	33	5.8s,5.7b		
MOS	XII	19 09 36 06.6–1.0	32.30S	71.70W	33	5.7b,5.3s		
GCMT	XII	19 09 36 08.8–.10	32.56S	72.10W	23	5.7W,5.3s		

DJA XII 19 09 36 19 32.62S 71.66W 121 5.4b,5.3s
ISC Event type fe.
IDC Error ellipse: s-maj=17.2km s-min=11.5km az=76.0.
GUC Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0.
NEIC Event type fe. Felt [V] at Papudo and Zapallar; [IV] at La Ligua, Puchuncavi, Valparaiso and Vina del Mar; [III] at San Antonio, San Felipe and Santiago; [II] at Illapel, Los Vilos, Melipilla, Rancagua, Salamanca and San Jose de Maipo. Also felt at Paine. After GUC. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}2.62 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-2.17 $M_{r\theta}$-0.80 $M_{\theta\phi}$0.63 $M_{\phi r}$-1.87 Best double couple: NP1:ϕ_s328.00000°,δ31.00000°,λ58.00000°. NP2: ϕ_s184.00000°,δ64.00000°,λ108.00000°. Principal axes: T 3.5000,Plg66.0000°,Azm125.0000° ; N -0.6400,Plg15.0000°,Azm356.0000°; P -2.8600,Plg17.0000°,Azm261.0000° M_o3.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.0km az=150.5.
MOS Error ellipse: s-maj=13.7km s-min=6.6km az=99.8.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 99, comp=190, per= 50. Moment Tensor Solution. s86,c151; s42,c45; Moment tensor: Scale 10^{17}Nm; M_{rr}2.83±.05 $M_{\theta\theta}$0.16±.04; $M_{\phi\phi}$-2.99±.04; $M_{r\theta}$0.61±.07; $M_{\theta\phi}$0.17±.03; $M_{\phi r}$-3.84±.12; Best double couple: NP1:ϕ_s2.00000°,δ19.00000°,λ100.00000°. NP2:ϕ_s172.00000°,δ72.00000°,λ87.00000°. Principal axes: T 4.7900,Plg63.0000°,Azm77.0000°; N 0.1500,Plg3.0000°,Azm173.0000° ; P -4.9300,Plg27.0000°,Azm265.0000° M_o4.90000×10^{17}

(193) Bougainville - Solomon Islands region

ISC	**XII**	**19 22 33 20.6–.12**	**9.95S–.03**	**160.40E–.02**	**37**	**5.4b,4.7s**	**498**	**1-165**
IDC	XII	19 22 33 14.1–.39	9.98S	160.53E	0	5.4,5.4		**¶11513645**
ISCJB	XII	19 22 33 18.8–.13	9.95S–.03	160.35E–.02	35	5.4b,4.7s		
BJI	XII	19 22 33 18.3	9.49S	160.50E	26	5.4b,5.3b		
MOS	XII	19 22 33 18.4–.81	9.88S	160.37E	33	5.6b,4.7s		
NEIC	XII	19 22 33 20.1–.12	9.96S	160.40E	39	5.4b,4.8s		
GCMT	XII	19 22 33 22.6–.20	10.12S	160.33E	35–0	5.2W,4.8s		
DJA	XII	19 22 33 32	10.02S	160.06E	131	5.5b,4.8s		

ISC Event type fe.
IDC Error ellipse: s-maj=12.7km s-min=11.7km az=91.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=165.8.
MOS Error ellipse: s-maj=8.3km s-min=6.9km az=79.5.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.4km az=139.0. Felt [II] at Honiara.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c108; s80,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}5.18±.21 $M_{\theta\theta}$-4.59±.16; $M_{\phi\phi}$-0.59±.16; $M_{r\theta}$4.89±.22; $M_{\theta\phi}$5.43±.13; $M_{\phi r}$0.50±.20; Best double couple: NP1:ϕ_s336.00000°,δ40.00000°,λ142.00000°. NP2:ϕ_s97.00000°,δ67.00000°,λ57.00000°. Principal axes: T 8.1100,Plg55.0000° ,Azm324.0000°; N 1.2700,Plg30.0000°,Azm112.0000°; P -9.3800,Plg15.0000° ,Azm211.0000° M_o8.80000×10^{16}

(178) Kermadec Islands

ISC	**XII**	**20 06 10 31.8–2.1**	**31.55S–.04**	**177.66W–.07**	**30–14**	**4.9b,4.6s**	**137**	**2-170**
BJI	XII	20 06 10 27.8	30.43S	177.16W	5	5.6b,5.4s		**¶13403432**
IDC	XII	20 06 10 27.2–.55	31.08S	177.80W	0	4.7,4.7		
ISCJB	XII	20 06 10 30.5–2.1	31.66S–.04	177.67W–.07	33–13	4.9b,4.6s		
GCMT	XII	20 06 10 32.5–.30	31.07S	177.37W	19–1	5.0W,4.6s		
MOS	XII	20 06 10 32.0–1.4	31.04S	177.84W	33	5.1b,4.6s		
NEIC	XII	20 06 10 33.3–1.3	31.05S	177.79W	39–10	4.9b,4.6s		

ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=16.6km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.1km az=20.3.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s29,c36; s60,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}2.46±.19 $M_{\theta\theta}$0.25±.13; $M_{\phi\phi}$-2.71±.13; $M_{r\theta}$-0.34±.34; $M_{\theta\phi}$-0.84±.09; $M_{\phi r}$2.85±.31; Best double couple: NP1:ϕ_s213.00000°,δ25.00000°,λ122.00000°. NP2:ϕ_s359.00000°,δ69.00000°,λ76.00000°. Principal axes: T 3.8400,Plg63.0000° ,Azm246.0000°; N 0.2200,Plg13.0000°,Azm4.0000°; P -4.0700,Plg23.0000°,Azm99.0000° M_o4.00000×10^{16}
MOS Error ellipse: s-maj=14.6km s-min=10.3km az=95.2.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.3km az=134.0.

(229) Off east coast of Honshu

ISC	**XII**	**20 10 29 20.2–.59**	**36.55N–.01**	**142.50E–.01**	**0–3**	**6.4s,6.0b**	**1965**	**1-165**
NIED	XII	20 10 29 00	36.50N	142.60E	5	6.4W,6.0b		**¶13403461**
JMA	XII	20 10 29 16.7–.30	36.53N	142.70E	0	6.6,6.0b		
IDC	XII	20 10 29 19.6–.37	36.50N	142.58E	0	6.3s,6.3		
ISCJB	XII	20 10 29 20.3–.07	36.48N–.01	142.51E–.01	11	6.4s,6.0b		
BJI	XII	20 10 29 21.5	36.66N	142.07E	10	6.7s,6.5		
TEH	XII	20 10 29 22.0	36.60N	142.36E	10	6.7s,6.5		
MOS	XII	20 10 29 23.5–1.1	36.51N	142.45E	33	6.5s,6.3b		
NEIC	XII	20 10 29 23.1–.09	36.54N	142.43E	19	6.4W,6.3s		
BGS	XII	20 10 29 24.1–2.7	36.24N	141.43E	20–0	6.6s,6.1b		
SZGRF	XII	20 10 29 28.2	37.11N	142.98E	33	6.8s,6.2b		
GCMT	XII	20 10 29 29.2–.10	36.56N	142.54E	12	6.3W,6.2b		
DJA	XII	20 10 29 30	36.35N	142.08E	51	6.5W,6.2b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s347.00000°,δ66.00000°,λ78.00000°. NP2:ϕ_s194.00000°,δ26.00000°,λ115.00000°. M_o4.30000×10^{18}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=11.6km s-min=10.2km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=165.2.
MOS Error ellipse: s-maj=6.0km s-min=4.0km az=109.9.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=153.0. Felt at Fukushima, Tokyo, Warabi and Yokohama. Recorded [3 JMA] in Fukushima, Miyagi and Yamagata; [2 JMA] in Akita, Chiba, Gumma, Ibaraki, Iwate, Niigata, Saitama and Tochigi; [1 JMA] in Aomori, Kanagawa, Nagano, Shizuoka and Tokyo. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s335.00000°,δ70.00000°,λ70.00000°. NP2: ϕ_s202.00000°,δ28.00000°,λ133.00000°. Principal axes: T Plg60.0000°,Azm216.0000° ; N Plg0.0000°,Azm0.0000°; P Plg22.0000°,Azm80.0000° Moment Tensor Solution. s145 Moment tensor: Scale 10^{18}Nm; M_{rr}1.08 $M_{\theta\theta}$1.25 $M_{\phi\phi}$-2.33 $M_{r\theta}$-0.79 $M_{\theta\phi}$-0.20 $M_{\phi r}$1.89 Best double couple: NP1:ϕ_s335.00000°,δ76.00000°,λ59.00000°. NP2:ϕ_s222.00000° ,δ34.00000°,λ153.00000°. Principal axes: T 2.4600,Plg49.0000°,Azm210.0000° ; N 0.7100,Plg29.0000°,Azm343.0000°; P -3.1700,Plg24.0000°,Azm88.0000° M_o2.90000×10^{18} Moment Tensor Solution. M_o4.30000×10^{18} Moment Tensor Solution. M_o6.70000×10^{18}
BGS Error ellipse: s-maj=737.9km s-min=999.9km az=-1.0.
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 108 sta. Surface waves: sta=121, comp=314, per= 50. Moment Tensor Solution. s103,c221; s99,c194; Moment tensor: Scale 10^{18}Nm; M_{rr}3.10±.02 $M_{\theta\theta}$0.46±.02; $M_{\phi\phi}$-3.56±.02; $M_{r\theta}$-1.23±.04; $M_{\theta\phi}$0.01±.01; $M_{\phi r}$1.64±.04; Best double couple: NP1:ϕ_s199.00000°,δ35.00000°,λ122.00000°. NP2:ϕ_s341.00000°,δ61.00000°,λ70.00000°. Principal axes: T 3.9000,Plg67.0000° ,Azm212.0000°; N 0.0600,Plg18.0000°,Azm351.0000°; P -3.9600,Plg14.0000°,Azm86.0000° M_o3.90000×10^{18}

(229) Off east coast of Honshu

ISC	**XII**	**20 10 48 24.3–1.0**	**36.59N–.02**	**142.46E–.02**	**12–6**	**5.5s,5.0b**	**474**	**1-151**
IDC	XII	20 10 48 21.6–.45	36.55N	142.53E	0	4.8,4.7b		**¶15518345**
ISCJB	XII	20 10 48 21.9–.92	36.58N–.02	142.50E–.02	8–5	5.5s,5.0b		
BJI	XII	20 10 48 22.8	36.78N	142.34E	10	5.8b,5.6s		
NEIC	XII	20 10 48 23.6–.14	36.56N	142.46E	10	5.2b,5.6s		
JMA	XII	20 10 48 24.0–.10	36.62N	142.56E	32	5.3,5.6s		
SZGRF	XII	20 10 48 25.3	35.18N	143.03E	33	5.6s,5.4b		
MOS	XII	20 10 48 27.9–.87	36.89N	142.38E	40	5.2b,5.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.3km s-min=11.6km az=109.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=169.6.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=158.0. Recorded [1 JMA] in Fukushima and Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
SZGRF Off east coast of Honshu, Japan.
MOS Error ellipse: s-maj=7.4km s-min=4.6km az=116.9.

(135) Near coast of central Chile

ISC	**XII**	**20 11 29 33.4–.89**	**32.50S–.03**	**72.13W–.04**	**11–5**	**4.9b**	**143**	**1-176**
IDC	XII	20 11 29 30.4–.49	32.52S	72.17W	0	4.6,4.6		**¶11514968**
ISCJB	XII	20 11 29 33.0–.99	32.50S–.03	72.21W–.05	18–7	4.9b,4.6		
GUC	XII	20 11 29 32.6–.57	32.51S	72.28W	28–4	5.1L,4.6		
BJI	XII	20 11 29 36.7	32.50S	71.90W	35	5.5s,5.2		
NEIC	XII	20 11 29 37.0–1.1	32.50S	71.92W	39–9	5.0b,5.2		

ISC Event type fe.
IDC Error ellipse: s-maj=24.2km s-min=12.9km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.0km az=159.7.
GUC Error ellipse: s-maj=1.8km s-min=3.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=6.6km az=69.0. Felt at Santiago.

(228) Near east coast of eastern Honshu

ISC	**XII**	**20 12 22 01.1–.95**	**36.56N–.02**	**142.46E–.02**	**4–5**	**5.3b,5.0s**	**701**	**1-160**
ISCJB	XII	20 12 21 59.6–.85	36.52N–.02	142.49E–.02	5–5	5.3b,5.0s		**¶11514970**
IDC	XII	20 12 22 00.1–.38	36.49N	142.54E	0	5.0,5.0		
NIED	XII	20 12 22 00	36.60N	142.50E	8	4.9W,5.0		
NEIC	XII	20 12 22 01.8–.12	36.52N	142.49E	10	5.4b,4.9W		
JMA	XII	20 12 22 01.3–.20	36.56N	142.55E	24	5.4,4.9W		
SZGRF	XII	20 12 22 03.8	36.00N	141.06E	33	5.6b,4.8s		
TEH	XII	20 12 22 03.0	36.63N	142.47E	10	5.6b,4.8s		
BJI	XII	20 12 22 03.3	36.63N	141.84E	10	5.5b,5.2s		
MOS	XII	20 12 22 05.2–.85	36.81N	142.44E	33	5.5b,4.9s		
DJA	XII	20 12 22 13	36.49N	142.18E	96	5.3b,4.9s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.7km az=170.4.
IDC Error ellipse: s-maj=12.1km s-min=10.2km az=107.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ71.00000°,λ148.00000°. NP2:ϕ_s153.00000°,δ60.00000°,λ22.00000°. M_o2.81000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.6km az=149.0. Felt at Yokosuka. Recorded [2 JMA] in Fukushima and Miyagi and [1 JMA] in Yamagata. Moment Tensor Solution. M_o2.80000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
SZGRF Near east coast of eastern Honshu, Japan.
MOS Error ellipse: s-maj=7.0km s-min=4.3km az=114.1.

(201) Irian Jaya

ISC	**XII**	**20 17 44 46.4–.53**	**2.71S–.03**	**139.13E–.03**	**46–4**	**5.4b,5.3s**	**411**	**1-159**
BJI	XII	20 17 44 40.3	3.03S	139.33E	38	5.5b,5.4b		**¶13813972**
MOS	XII	20 17 44 43.4–1.0	2.62S	139.07E	33	5.7b,5.0s		
ISCJB	XII	20 17 44 44.1–.57	2.73S–.03	139.12E–.03	42–5	5.4b,5.3s		
NEIC	XII	20 17 44 45.8–.75	2.77S	139.00E	45–7	5.5b,5.5W		
DJA	XII	20 17 44 46	2.46S	139.19E	36	5.4W,5.5W		
GCMT	XII	20 17 44 47.8–.10	2.65S	139.01E	31–0	5.5W,5.5W		
IDC	XII	20 17 44 47.3–2.3	2.70S	139.09E	54–21	5.2s,5.2		

ISC Event type se.
MOS Error ellipse: s-maj=10.6km s-min=5.1km az=114.8.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.9km az=42.4.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.6km az=63.0. Felt [III] at Genyem.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=109, comp=203, per= 50. Moment Tensor Solution. s106,c185; s40,c43; Moment tensor: Scale 10^{17}Nm; M_{rr}2.34±.04 $M_{\theta\theta}$-2.20±.03; $M_{\phi\phi}$-0.14±.03; $M_{r\theta}$-0.55±.05; $M_{\theta\phi}$1.15±.02; $M_{\phi r}$-0.34±.06; Best double couple: NP1:ϕ_s128.00000°,δ43.00000°,λ111.00000°. NP2:ϕ_s281.00000°,δ51.00000°,λ72.00000°. Principal axes: T 2.5000,Plg75.0000°,Azm130.0000°; N 0.2400,Plg14.0000°,Azm292.0000° ; P -2.7400,Plg4.0000°,Azm23.0000° M_o2.60000×10^{17}
IDC Error ellipse: s-maj=12.9km s-min=8.2km az=83.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**20 19 13 38.8–.79**	**36.71N–.02**	**142.10E–.02**	**11–4**	**5.2s,5.1b**	**631**	**1-146**
NIED	XII	20 19 13 00	36.70N	142.20E	20	5.4W,5.1b		**¶13403511**
IDC	XII	20 19 13 36.8–.51	36.63N	142.15E	0	4.9,4.9s		
BJI	XII	20 19 13 37.1	36.78N	141.85E	9	5.5b,5.4s		
JMA	XII	20 19 13 37.4–.30	36.70N	142.25E	17	5.4,5.4s		
ISCJB	XII	20 19 13 38.7–.70	36.65N–.02	142.12E–.03	22–4	5.2s,5.1b		
NEIC	XII	20 19 13 38.4–.16	36.67N	142.05E	10	5.4W,5.3b		
MOS	XII	20 19 13 42.3–.90	37.03N	141.99E	33	5.4s,5.4b		
GCMT	XII	20 19 13 43.9–.20	36.72N	142.23E	21–0	5.4W,5.4b		
SZGRF	XII	20 19 13 49.2	36.69N	143.13E	33	5.5b,5.4b		
DJA	XII	20 19 13 56	36.58N	141.40E	127	5.1b,5.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ75.00000°,λ80.00000°. NP2:ϕ_s224.00000°,δ18.00000°,λ122.00000°. M_o1.37000×10^{17}
IDC Error ellipse: s-maj=14.7km s-min=12.4km az=124.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.5km az=146.8.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.1km az=143.0. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi; [1 JMA] in Gumma, Miyagi and Yamagata. Moment Tensor Solution. M_o1.40000×10^{17}
MOS Error ellipse: s-maj=7.2km s-min=4.3km az=113.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c115; s97,c190; Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.03 $M_{\theta\theta}$-0.24±.02; $M_{\phi\phi}$-0.56±.02; $M_{r\theta}$0.35±.03; $M_{\theta\phi}$-0.44±.01; $M_{\phi r}$1.02±.04; Best double couple: NP1:ϕ_s229.00000°,δ20.00000°,λ115.00000°. NP2:ϕ_s22.00000°,δ72.00000°,λ81.00000°. Principal axes: T 1.3500,Plg62.0000° ,Azm278.0000°; N 0.0200,Plg9.0000°,Azm25.0000°; P -1.3700,Plg26.0000°,Azm119.0000° M_o1.40000×10^{17}
SZGRF Off east coast of Honshu, Japan.

(410) Southern Mid-Atlantic Ridge

ISC	**XII**	**20 21 05 17.5–.17**	**31.18S–.03**	**13.39W–.04**	**10**	**5.5s,5.5b**	**547**	**6-168**
SZGRF	XII	20 21 05 11.8	32.09S	14.79W	33	6.2b,5.3s		**¶11514986**
ISCJB	XII	20 21 05 15.8–.17	31.18S–.03	13.41W–.04	10	5.5s,5.5b		
IDC	XII	20 21 05 15.5–.37	31.14S	13.35W	0	5.5s,5.5		
MOS	XII	20 21 05 16.0–.80	31.12S	13.45W	10	6.0b,5.4s		
NEIC	XII	20 21 05 16.2–.14	31.19S	13.34W	4	5.8b,5.8W		
BJI	XII	20 21 05 17.4	31.20S	13.40W	10	6.0s,5.9b		
DJA	XII	20 21 05 18	31.12S	13.84W	10	5.3b,5.9b		
GCMT	XII	20 21 05 22.4–.10	31.23S	13.27W	12	5.8W,5.9b		

ISC Event type se.
SZGRF Southern Mid-Atlantic Ridge.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.7km az=44.4.
IDC Error ellipse: s-maj=13.6km s-min=11.4km az=151.0.
MOS Error ellipse: s-maj=13.6km s-min=5.1km az=74.1.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.1km az=127.0. Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.31 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$2.64 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.34 $M_{\phi r}$1.40 Best double couple: NP1:ϕ_s178.00000°,δ60.00000°,λ-85.00000°. NP2:ϕ_s348.00000° ,δ31.00000°,λ-99.00000°. Principal axes: T 3.0400,Plg14.0000°,Azm264.0000° ; N -0.3600,Plg4.0000°,Azm355.0000°; P -2.6900,Plg74.0000°,Azm101.0000° M_o2.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=121, comp=278, per= 50. Moment Tensor Solution. s104,c196; s82,c102; Moment tensor: Scale 10^{17}Nm; M_{rr}-5.73±.04 $M_{\theta\theta}$-0.23±.04; $M_{\phi\phi}$5.96±.04; $M_{r\theta}$-0.51±.13; $M_{\theta\phi}$-0.62±.04; $M_{\phi r}$0.78±.12; Best double couple: NP1:ϕ_s359.00000°,δ41.00000°,λ-83.00000°. NP2:ϕ_s170.00000°,δ49.00000°,λ-96.00000°. Principal axes: T 6.0800,Plg4.0000°,Azm264.0000°; N -0.2600,Plg4.0000°,Azm174.0000° ; P -5.8200,Plg84.0000°,Azm36.0000° M_o6.00000×10^{17}

(178) Kermadec Islands

ISC	**XII**	**20 22 40 07.9–.45**	**31.17S–.06**	**177.21W–.09**	**35**	**4.8b**	**53**	**2-162**
IDC	XII	20 22 40 01.1–.56	31.09S	176.96W	0	4.8,4.6b		**¶11514987**
NEIC	XII	20 22 40 02.8–.47	31.25S	177.18W	10	5.0b,4.6b		
ISCJB	XII	20 22 40 06.0–.44	31.25S–.06	177.28W–.09	33	4.8b,4.6b		
BJI	XII	20 22 40 16.9	30.39S	178.72W	36	5.5s,5.5b		

ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=20.3km az=19.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.3km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=8.4km az=22.2.

(196) Irian Jaya region

ISC	**XII**	**21 05 16 12.9–.59**	**3.41S–.05**	**135.19E–.04**	**43–7**	**4.0b,3.4s**	**71**	**2-151**
ISCJB	XII	21 05 16 10.9–.68	3.38S–.04	135.19E–.04	41–8	4.0b,3.4s		**¶11517260**
NEIC	XII	21 05 16 11.5–.45	3.37S	135.11E	30	4.3b,3.4s		
IDC	XII	21 05 16 12.1–.78	3.23S	135.13E	29–5	4.2,4.1L		
DJA	XII	21 05 16 13.4–3.2	3S–3.0	135E–2.0	23–36	5.6b,5.1		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(229) Off east coast of Honshu

ISC	**XII**	**21 09 16 43.9–.67**	**36.61N–.02**	**142.34E–.02**	**4–4**	**5.8s,5.5b**	**1102**	**1-165**
BGS	XII	21 09 16 37.3–2.2	34.53N	142.38E	20–0	6.1s,5.6b		**¶13403567**
JMA	XII	21 09 16 40.6–.20	36.60N	142.47E	0	6.2,5.6b		
ISCJB	XII	21 09 16 41.7–.61	36.58N–.02	142.37E–.02	0–3	5.8s,5.6b		
IDC	XII	21 09 16 42.3–.36	36.53N	142.49E	0	5.6,5.6s		
BJI	XII	21 09 16 43.2	36.66N	142.22E	10	6.2s,6.0		
NEIC	XII	21 09 16 44.7–.12	36.54N	142.32E	13	5.9W,5.9W		
MOS	XII	21 09 16 46.0–.95	36.65N	142.39E	33	5.8s,5.8b		
SZGRF	XII	21 09 16 46.0	37.03N	142.46E	33	6.1s,5.7b		
DJA	XII	21 09 16 48	36.72N	142.74E	37	6.0W,5.7b		
GCMT	XII	21 09 16 49.0–.10	36.63N	142.41E	12	5.9W,5.7b		

NIED XII 21 09 17 00 36.60N 142.50E 5 5.9W,5.7b
ISC Event type fe.
BGS Error ellipse: s-maj=860.5km s-min=999.9km az=-1.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=155.6.
IDC Error ellipse: s-maj=12.3km s-min=9.5km az=92.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=148.0. Felt at Koriyama, Tokyo and Tsukuba. Recorded [3 JMA] in Fukushima; [2 JMA] in Chiba, Ibaraki, Iwate, Miyagi, Saitama, Tochigi and Yamagata; [1 JMA] in Akita, Aomori, Gumma, Niigata and Tokyo. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s340.00000°,δ60.00000°,λ-90.00000°. NP2:ϕ_s160.00000°,δ30.00000°,λ-90.00000°. Principal axes: T Plg15.0000°,Azm70.0000°; N Plg0.0000°,Azm0.0000°; P Plg75.0000° ,Azm250.0000° Moment Tensor Solution. s132 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.69 $M_{\theta\theta}$-3.45 $M_{\phi\phi}$5.14 $M_{r\theta}$1.74 $M_{\theta\phi}$1.37 $M_{\phi r}$-4.56 Best double couple: NP1:ϕ_s232.00000° ,δ39.00000°,λ-14.00000°. NP2:ϕ_s334.00000°,δ81.00000°,λ-128.00000°. Principal axes: T 7.4400,Plg26.0000°,Azm92.0000°; N -1.5400,Plg37.0000°,Azm340.0000° ; P -5.9000,Plg41.0000°,Azm208.0000° $M_0$6.80000×10^{17} Moment Tensor Solution. $M_0$7.70000×10^{17}
MOS Error ellipse: s-maj=7.6km s-min=5.5km az=99.8.
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=107, comp=259, per= 50. Moment Tensor Solution. s90,c183; s76,c98; Moment tensor: Scale 10^{17}Nm; M_{rr}-6.05±.04 $M_{\theta\theta}$-0.83±.05; $M_{\phi\phi}$6.88±.04; $M_{r\theta}$2.05±.13; $M_{\theta\phi}$2.08±.04; $M_{\phi r}$-3.43±.12; Best double couple: NP1:ϕ_s217.00000°,δ38.00000°,λ-53.00000°. NP2:ϕ_s352.00000°,δ61.00000°,λ-116.00000°. Principal axes: T 8.0100,Plg12.0000°,Azm100.0000°; N -0.2000,Plg22.0000°,Azm6.0000° ; P -7.8100,Plg65.0000°,Azm217.0000° $M_0$7.90000×10^{17}
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ61.00000°,λ-114.00000°. NP2:ϕ_s212.00000°,δ37.00000°,λ-54.00000°. $M_0$7.68000×10^{17}

(273) Southwest of Sumatera

ISC	**XII**	**21 13 47 52.5–.11**	**4.84N–.02**	**95.07E–.02**	**56**	**5.5b,5.0s**	**876**	**1-172**
SZGRF	XII	21 13 47 14.8	1.31S	97.22E	33	5.7b,4.8s		**¶11517280**
BJI	XII	21 13 47 48.5	4.60N	94.86E	63	5.6b,5.5b		
MOS	XII	21 13 47 48.7–.83	4.92N	95.12E	36	5.8b,4.8s		
ISCJB	XII	21 13 47 50.5–.11	4.83N–.02	95.07E–.02	54	5.5b,5.0s		
NEIC	XII	21 13 47 52.4–.74	4.83N	95.04E	56–6	5.6b,5.3W		
IDC	XII	21 13 47 52.1–1.5	4.86N	95.10E	52–12	5.2b,5.2		
DJA	XII	21 13 47 53.8–.40	5N–3.0	95E–4.0	47–3	5.7b,5.6b		
GCMT	XII	21 13 47 53.7–.10	4.55N	94.95E	51–0	5.4W,5.6b		
TEH	XII	21 13 47 54.0	4.85N	95.09E	68	5.4W,5.6b		

ISC Event type fe.
SZGRF Southwest of Sumatera, Indonesia.
MOS Error ellipse: s-maj=7.4km s-min=3.8km az=118.8.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=35.9.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=2.9km az=221.0. Felt [III] at Banda Aceh. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s16.00000°,δ34.00000°,λ149.00000°. NP2:ϕ_s132.00000°,δ73.00000°,λ60.00000°. Principal axes: T 1.1300,Plg52.0000° ,Azm6.0000°; N -0.0500,Plg28.0000°,Azm141.0000°; P -1.0800,Plg22.0000°,Azm244.0000° $M_0$1.10000×10^{17}
IDC Error ellipse: s-maj=11.6km s-min=8.0km az=47.0.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta= 83, comp=170, per= 50. Moment Tensor Solution. s88,c158; s12,c12; Moment tensor: Scale 10^{17}Nm; M_{rr}1.18±.03 $M_{\theta\theta}$-0.71±.02; $M_{\phi\phi}$-0.47±.02; $M_{r\theta}$0.73±.02; $M_{\theta\phi}$0.69±.02; $M_{\phi r}$-0.59±.02; Best double couple: NP1:ϕ_s311.00000°,δ26.00000°,λ92.00000°. NP2:ϕ_s129.00000°,δ64.00000°,λ89.00000°. Principal axes: T 1.5000,Plg71.0000°,Azm37.0000°; N 0.1100,Plg1.0000°,Azm130.0000° ; P -1.6000,Plg19.0000°,Azm220.0000° $M_0$1.60000×10^{17}

(177) Kermadec Islands region

ISC	**XII**	**22 06 06 10.9–.42**	**30.69S–.04**	**176.63W–.08**	**35**	**4.9b,3.9s**	**86**	**2-167**
BJI	XII	22 06 05 59.9	30.60S	175.60W	10	5.7b,5.3b		**¶13403633**
IDC	XII	22 06 06 06.0–.53	30.27S	176.64W	0	5.0,4.8		
NEIC	XII	22 06 06 07.1–.35	30.48S	176.65W	10	5.0b,4.8		
ISCJB	XII	22 06 06 09.1–.42	30.73S–.04	176.69W–.08	33	4.9b,3.9s		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

(221) Kuril Islands

ISC	**XII**	**22 13 25 40.9–.11**	**46.44N–.03**	**152.58E–.02**	**43**	**5.0b,4.4s**	**964**	**4-154**
NIED	XII	22 13 25 00	46.30N	152.90E	59	5.3W,4.4s		**¶13403649**
ISCJB	XII	22 13 25 38.7–.12	46.39N–.03	152.66E–.02	41	5.0b,4.4s		
MOS	XII	22 13 25 38.9–.88	46.47N	152.69E	41	5.2b,4.4s		
JMA	XII	22 13 25 38.4–.70	46.29N	152.88E	30	5.6,4.4s		
IDC	XII	22 13 25 39.5–3.0	46.47N	152.64E	33–22	4.8L,4.7		
SKHL	XII	22 13 25 39.3–2.0	46.27N	152.84E	40–0	5.6b,5.5s		
BJI	XII	22 13 25 40.7	46.34N	152.64E	53	5.1b,4.7s		
SZGRF	XII	22 13 25 41.1	47.17N	152.06E	33	5.5b,4.6s		
NEIC	XII	22 13 25 41.4–.50	46.52N	152.64E	47–4	5.1b,4.6s		
GCMT	XII	22 13 25 42.4–.20	46.35N	152.83E	40–1	5.2W,4.6s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s88.00000°,δ60.00000°,λ98.00000°. NP2:ϕ_s251.00000°,δ31.00000°,λ76.00000°. $M_0$9.44000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=1.6km az=163.9.
MOS Error ellipse: s-maj=6.7km s-min=4.5km az=97.3.
JMA Error ellipse: s-maj=6.7km s-min=6.9km az=-1.0.
IDC Error ellipse: s-maj=13.9km s-min=10.7km az=147.0.
SZGRF Kuril Islands, Russia.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=2.5km az=161.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s49,c71; s93,c147; Moment tensor: Scale 10^{16}Nm; M_{rr}3.18±.21 $M_{\theta\theta}$-5.23±.15; $M_{\phi\phi}$2.06±.15; $M_{r\theta}$4.10±.21; $M_{\theta\phi}$-1.08±.11; $M_{\phi r}$-2.56±.16; Best double couple: NP1:ϕ_s229.00000°,δ35.00000°,λ31.00000°. NP2:ϕ_s113.00000°,δ73.00000°,λ121.00000°. Principal axes: T 6.5600,Plg52.0000° ,Azm58.0000°; N 0.3500,Plg29.0000°,Azm283.0000°; P -6.9000,Plg22.0000°,Azm180.0000° $M_0$6.70000×10^{16}

(174) Tonga Islands region

ISC	**XII**	**22 18 06 32.1–.21**	**17.39S–.06**	**172.63W–.05**	**35**	**4.8b,4.7s**	**312**	**4-173**
IDC	XII	22 18 06 26.5–.54	17.40S	172.71W	0	4.8,4.8		**¶11517535**
BJI	XII	22 18 06 28.7	17.25S	171.72W	35	5.5b,5.2s		
ISCJB	XII	22 18 06 30.5–.21	17.37S–.06	172.57W–.05	33	4.8b,4.7s		
MOS	XII	22 18 06 31.7–1.2	17.28S	172.69W	33	5.4b,4.7s		
NEIC	XII	22 18 06 32.0–.28	17.31S	172.64W	35	5.0b,4.7s		

ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=16.5km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.5km az=152.2.
MOS Error ellipse: s-maj=12.6km s-min=9.8km az=103.5.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.6km az=128.0.

(244) Taiwan

ISC	**XII**	**23 00 04 44.7–.24**	**22.92N–.01**	**120.55E–.01**	**19–1**	**5.2b,4.7s**	**678**	**0-176**
NIED	XII	23 00 04 00	22.80N	120.50E	32	5.1W,4.7s		**¶13403677**
IDC	XII	23 00 04 40.8–.37	22.91N	120.72E	0	4.8,4.8		
TAP	XII	23 00 04 43.8	22.95N	120.55E	17–0	5.3L,4.8		
BJI	XII	23 00 04 43.5	23.02N	120.50E	17	5.2L,5.1s		
MOS	XII	23 00 04 44.3–.88	22.90N	120.71E	33	5.4b,4.7s		
ISCJB	XII	23 00 04 44.3–.20	22.89N–.01	120.54E–.01	29–1	5.2b,4.7s		
GCMT	XII	23 00 04 44.8–.30	22.85N	120.42E	24–1	5.1W,4.7s		
JMA	XII	23 00 04 44.4–.30	22.79N	120.53E	87	5.4,4.7s		
NEIC	XII	23 00 04 45.6	22.95N	120.57E	11	5.6L,5.4b		
DJA	XII	23 00 04 51	23.07N	120.83E	91	5.5b,5.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s196.00000°,δ76.00000°,λ147.00000°. NP2:ϕ_s294.00000°,δ59.00000°,λ16.00000°. $M_0$5.09000×10^{16}
IDC Error ellipse: s-maj=14.5km s-min=9.2km az=72.0.
TAP B.
MOS Error ellipse: s-maj=7.6km s-min=4.6km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.9km az=29.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 78, comp=111, per= 50. Moment Tensor Solution. s45,c53; s3,c3; Moment tensor: Scale 10^{16}Nm; M_{rr}3.62±.22 $M_{\theta\theta}$-0.31±.12; $M_{\phi\phi}$-3.31±.14; $M_{r\theta}$0.60±.15; $M_{\theta\phi}$1.66±.07; $M_{\phi r}$-2.97±.18; Best double couple: NP1:ϕ_s327.00000°,δ27.00000°,λ74.00000°. NP2:ϕ_s164.00000°,δ64.00000°,λ98.00000°. Principal axes: T 4.7200,Plg70.0000°,Azm91.0000°; N 0.3500,Plg7.0000°,Azm341.0000° ; P -5.0600,Plg19.0000°,Azm248.0000° $M_0$4.90000×10^{16}
JMA Error ellipse: s-maj=5.6km s-min=3.1km az=-1.0.
NEIC Event type fe. Felt [IV] at Kao-hsiung and [III] at T'ai-nan. Also felt at Chang-hua, Chu-pei, Heng-ch'un, Hsin-chu, P'ing-tung and T'ai-chung. Recorded [4 TAP] in Chia-i, Kao-hsiung and P'ing-tung; [3 TAP] in T'ai-nan and T'ai-tung; [2 TAP] in Chang-hua; [1 TAP] in Hua-lien and P'eng-hu. After TAP. Moment Tensor Solution. $M_0$3.20000×10^{16}

(174) Tonga Islands region

ISC	**XII**	**23 00 44 29.4–3.6**	**23.20S–.06**	**174.81W–.07**	**23–24**	**4.9b,4.4s**	**94**	**9-169**
BJI	XII	23 00 44 25.5	23.08S	174.65W	9	5.6b,5.3s		**¶11518348**
ISCJB	XII	23 00 44 27.4–3.9	23.21S–.06	174.86W–.08	20–26	4.9b,4.4s		
IDC	XII	23 00 44 27.6–.50	22.84S	175.10W	0	4.7,4.7		
NEIC	XII	23 00 44 29.9–2.5	23.15S	174.79W	30–17	4.9b,4.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.6km az=20.3.
IDC Error ellipse: s-maj=19.5km s-min=15.8km az=131.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.4km az=153.0.

(193) Bougainville - Solomon Islands region

ISC	**XII**	**23 11 15 21.4–.13**	**6.39S–.02**	**154.93E–.02**	**52**	**5.7b,5.5s**	**475**	**6-171**
BJI	XII	23 11 15 18.6	6.20S	155.39E	61	5.6b,5.4s		**¶11518360**
NEIC	XII	23 11 15 18.5–.12	6.37S	154.94E	32	5.9W,5.8b		
MOS	XII	23 11 15 18.5–1.6	6.40S	154.90E	33	5.8b,5.4s		
ISCJB	XII	23 11 15 19.5–.13	6.39S–.02	154.91E–.02	50	5.7b,5.5s		
IDC	XII	23 11 15 20.4–.43	6.35S	155.00E	47–3	5.4,5.4		
DJA	XII	23 11 15 22	6.43S	155.02E	68	6.0W,5.4		
GCMT	XII	23 11 15 25.3–.10	6.67S	154.80E	45–0	5.9W,5.4		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.4km az=113.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}4.99 $M_{\theta\theta}$-2.12 $M_{\phi\phi}$-2.88 $M_{r\theta}$0.73 $M_{\theta\phi}$3.07 $M_{\phi r}$0.03 Best double couple: NP1:ϕ_s326.00000°,δ43.00000°,λ100.00000°. NP2: ϕ_s132.00000°,δ48.00000°,λ80.00000°. Principal axes: T 5.0800,Plg82.0000°,Azm337.0000° ; N 0.5200,Plg7.0000°,Azm137.0000°; P -5.6100,Plg2.0000°,Azm228.0000° $M_0$5.40000×10^{17}
MOS Error ellipse: s-maj=9.9km s-min=8.5km az=67.8.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=3.2km az=137.4.
IDC Error ellipse: s-maj=10.0km s-min=9.1km az=124.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=113, comp=231, per= 50. Moment Tensor Solution. s121,c236; s72,c86; Moment tensor: Scale 10^{17}Nm; M_{rr}8.04±.08 $M_{\theta\theta}$-4.12±.06; $M_{\phi\phi}$-3.92±.06; $M_{r\theta}$0.41±.06; $M_{\theta\phi}$4.98±.05; $M_{\phi r}$-0.76±.06; Best double couple: NP1:ϕ_s312.00000°,δ42.00000°,λ87.00000°. NP2:ϕ_s136.00000°,δ48.00000°,λ93.00000°. Principal axes: T 8.0900,Plg87.0000°,Azm81.0000°; N 0.9500,Plg2.0000°,Azm315.0000° ; P -9.0400,Plg3.0000°,Azm224.0000° $M_0$8.60000×10^{17}

(545) Northern Italy

ISC	**XII**	**23 15 24 22.4–.17**	**44.596N–.01**	**10.402E–.01**	**26–1**	**5.2s,5.2b**	**2327**	**0-153**
BGS	XII	23 15 24 16.3–2.0	44.19N	10.37E	25–0	5.2b,5.2b		**¶13403766**
PRU	XII	23 15 24 17.3	44.50N	10.39E	0	5.2,5.2b		
MOS	XII	23 15 24 19.1–.94	44.56N	10.46E	18	5.4b,5.3s		
ZUR	XII	23 15 24 20.5	44.54N	10.37E	12–1	5.4L,5.3s		
ISCJB	XII	23 15 24 21.0–.16	44.591N–.01	10.438E–.01	29–1	5.2s,5.2b		
GEN	XII	23 15 24 20.0	44.62N	10.49E	0	5.2L,5.2b		
BJI	XII	23 15 24 20.0	44.91N	10.39E	19	5.5s,5.4b		
IDC	XII	23 15 24 20.7–2.6	44.55N	10.34E	19–15	5.1,5.1s		
CSEM	XII	23 15 24 20.7–.05	44.59N	10.44E	12	5.5b,5.4W		
BGR	XII	23 15 24 20.4–.71	44.56N	10.37E	10	5.8L,5.4W		
PDG	XII	23 15 24 21.8–.84	44.67N	10.47E	27–1	5.4,5.3L		
ROM	XII	23 15 24 21.7–.08	44.54N	10.35E	23–1	5.2L,5.3L		
STR	XII	23 15 24 21.1–.34	44.63N	10.33E	5–0	5.4L,5.3L		
NEIC	XII	23 15 24 22.5–.10	44.56N	10.41E	28	5.7L,5.4W		
LDG	XII	23 15 24 22.4–.08	44.65N	10.59E	28–0	5.7L,4.8s		
SFS	XII	23 15 24 22.0	44.60N	10.41E	28	5.3L,4.8s		
CRAAG	XII	23 15 24 22.8	44.60N	10.40E		5.4W,4.8s		
BNS	XII	23 15 24 23.5–.42	44.56N	10.27E	29–0	5.1L,4.8s		
LEDBW	XII	23 15 24 26.0–2.5	44.7N–.20	10.5E–.10	10–0	5.5L,4.8s		
GCMT	XII	23 15 24 26.5–.10	44.51N	10.30E	26–0	5.4W,4.8s		
DJA	XII	23 15 24 32	44.42N	10.41E	110	5.0b,4.8s		

ISC Event type fe.
BGS Error ellipse: s-maj=223.8km s-min=265.9km az=-1.0.
MOS Error ellipse: s-maj=3.2km s-min=2.8km az=65.7.
ISCJB Event type fe. Error ellipse: s-maj=1.3km s-min=1.0km az=7.6.
IDC Error ellipse: s-maj=11.0km s-min=9.0km az=118.0.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=10.0.
BGR Event type ke. Error ellipse: s-maj=12.2km s-min=10.0km az=136.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=62.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=201.0. Felt [VI] at Langhirano; [V] at Albinea, Casalgrande, Montechiarugolo, Quattro Castella, Sala Baganza and Sassuolo; [IV] at Bergamo, Bologna, Brescia, Carpi, Castelfranco Emilia, Castelnovo ne'Monti, Como, Correggio, Cremona, Fidenza, Florence, Genoa, La Spezia, Lucca, Mantova, Maranello, Massa, Milan, Modena, Montecchio Emilia, Novara, Padua, Parma, Pavia, Piacenza, Pisa, Pistoia, Reggio nell'Emilia, Reolto, Rovigo, San Giovanni Lupatoto, Sesto San Giovanni, Verona, Viareggio, Vicenza and Visignano; [III] at Ferrara, Livorno, Prato, Trento, Trieste, Treviso, Turin and Venice. Felt in much of Emilia Romagna, Friuli-Venezia Giulia, Liguria, Lombardia, Piemonte, northern Tocscana, Trentino-Alto Adige and Veneto. Also felt in parts of southeastern Switzerland. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-0.24 $M_{r\theta}$-0.21 $M_{\theta\phi}$0.35 $M_{\phi r}$0.06 Best double couple: NP1:ϕ_s294.00000° ,δ51.00000°,λ88.00000°. NP2:ϕ_s117.00000°,δ39.00000°,λ93.00000°. Principal axes: T 1.0800,Plg83.0000°,Azm190.0000°; N -0.0800,Plg1.0000°,Azm295.0000° ; P -1.0100,Plg6.0000°,Azm25.0000° $M_0$1.00000×10^{17} Moment Tensor Solution. $M_0$7.60000×10^{16}
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=32.0.
SFS Event type ke.
BNS Event type ke.
LEDBW Error ellipse: s-maj=68.0km s-min=28.0km az=157.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 91, comp=190, per= 50. Moment Tensor Solution. s82,c139; s13,c13; Moment tensor: Scale 10^{17}Nm; M_{rr}1.21±.03 $M_{\theta\theta}$-1.36±.02; $M_{\phi\phi}$0.14±.02; $M_{r\theta}$1.09±.05; $M_{\theta\phi}$0.64±.02; $M_{\phi r}$-0.28±.05; Best double couple: NP1:ϕ_s297.00000°,δ26.00000°,λ100.00000°. NP2:ϕ_s106.00000°,δ64.00000°,λ85.00000°. Principal axes: T 1.6100,Plg70.0000°,Azm6.0000°; N 0.3700,Plg4.0000°,Azm108.0000° ; P -1.9900,Plg19.0000°,Azm199.0000° $M_0$1.80000×10^{17}

(229) Off east coast of Honshu

ISC	**XII**	**23 20 57 20.8–.86**	**36.47N–.02**	**142.35E–.02**	**7–5**	**5.4s,5.1b**	**759**	**1-151**
NIED	XII	23 20 57 00	36.50N	142.50E	11	5.3W,5.1b		**¶13403800**
DJA	XII	23 20 57 14	37.67N	144.88E	20	5.3b,5.1b		
ISCJB	XII	23 20 57 18.9–.70	36.47N–.02	142.36E–.02	5–4	5.4s,5.1b		
IDC	XII	23 20 57 19.2–.40	36.44N	142.44E	0	5.0,5.0s		
BJI	XII	23 20 57 20.0	36.52N	142.12E	11	5.6s,5.5b		
NEIC	XII	23 20 57 20.2–2.1	36.46N	142.40E	8–12	5.3W,5.2b		
JMA	XII	23 20 57 20.3–.20	36.48N	142.49E	39	5.5,5.2b		
MOS	XII	23 20 57 22.5–1.1	36.37N	142.35E	33	5.3s,5.3b		
GCMT	XII	23 20 57 26.3–.20	36.44N	142.52E	17–0	5.4W,5.3b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ61.00000°,λ91.00000°. NP2:ϕ_s204.00000°,δ29.00000°,λ87.00000°. $M_0$1.08000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.3km az=172.9.
IDC Error ellipse: s-maj=12.0km s-min=10.4km az=107.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.2km az=129.0. Recorded [2 JMA] in Fukushima and [1 JMA] in Miyagi. Moment Tensor Solution. $M_0$1.10000×10^{17}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=4.4km az=118.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c108; s99,c204; Moment tensor: Scale 10^{17}Nm; M_{rr}0.96±.03 $M_{\theta\theta}$-0.20±.02; $M_{\phi\phi}$-0.76±.02; $M_{r\theta}$0.52±.05; $M_{\theta\phi}$-0.45±.01; $M_{\phi r}$1.24±.07; Best double couple: NP1:ϕ_s215.00000°,δ18.00000°,λ100.00000°. NP2:ϕ_s24.00000°,δ72.00000°,λ87.00000°. Principal axes: T 1.6400,Plg63.0000° ,Azm289.0000°; N 0.0500,Plg3.0000°,Azm25.0000°; P -1.6900,Plg27.0000°,Azm117.0000° $M_0$1.70000×10^{17}

(174) Tonga Islands region

ISC	**XII**	**24 09 11 34.1–1.7**	**17.27S–.03**	**171.87W–.02**	**7–10**	**5.7b,5.6s**	**900**	**3-174**
BJI	XII	24 09 11 31.9	16.94S	171.55W	10	6.3b,5.7s		**¶11518747**
ISCJB	XII	24 09 11 31.8–1.5	17.26S–.03	171.88W–.02	2–9	5.7b,5.6s		
IDC	XII	24 09 11 32.7–.34	17.36S	172.09W	0	5.4s,5.4		
BGS	XII	24 09 11 33.3–5.0	17.29S	171.91W	10–0	5.9b,5.4		
MOS	XII	24 09 11 34.9–3.2	17.11S	172.20W	33	5.9b,5.5s		

NEIC	XII	24 09 11 34.3–.09	17.29S	171.91W	9	6.0W,5.9b	
DJA	XII	24 09 11 35	17.72S	171.71W	10	6.3W,5.9b	
GCMT	XII	24 09 11 38.9–.10	17.31S	171.59W	12	6.0W,5.9b	

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.2km az=152.5.
IDC Error ellipse: s-maj=11.5km s-min=8.5km az=124.0.
BGS Error ellipse: s-maj=628.4km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.5km s-min=5.9km az=68.2.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.7km az=148.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. $M_0$3.40000×10^{18}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=117, comp=275, per= 50. Moment Tensor Solution. s103,c215; s90,c132; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02±.01 $M_{\theta\theta}$-0.19±.01; $M_{\phi\phi}$1.21±.01; $M_{r\theta}$0.11±.02; $M_{\theta\phi}$0.13±.01; $M_{\phi r}$0.07±.02; Best double couple: NP1:ϕ_s358.00000°,δ43.00000°,λ-101.00000°. NP2:ϕ_s192.00000°,δ47.00000°,λ-80.00000°. Principal axes: T 1.2300,Plg2.0000°,Azm275.0000°; N -0.1900,Plg7.0000°,Azm6.0000° ; P -1.0400,Plg82.0000°,Azm170.0000° $M_0$1.10000×10^{18}

(181) Fiji Islands region

ISC	**XII**	**25 00 10 50.6–1.6**	**18.35S–.03**	**176.76E–.03**	**26–11**	**5.5b,5.2s**	**684**	**1-173**
ISCJB	XII	25 00 10 47.2–1.7	18.34S–.03	176.72E–.03	14–10	5.5b,5.2s		**¶11519111**
NEIC	XII	25 00 10 47.8–.13	18.34S	176.78E	10	5.5b,5.5W		
BJI	XII	25 00 10 48.0	18.12S	177.37E	28	5.4b,5.3s		
MOS	XII	25 00 10 50.2–1.3	18.36S	176.72E	33	5.5b,5.1s		
GCMT	XII	25 00 10 52.2–.10	18.31S	176.71E	12	5.5W,5.1s		
IDC	XII	25 00 10 53.8–2.6	18.39S	176.72E	55–23	5.0,5.0		
DJA	XII	25 00 11 02	18.69S	175.18E	10	5.7b,5.0		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.9km az=150.4.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.6km az=141.0. Felt at Nandi. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}0.54 $M_{\theta\theta}$-1.65 $M_{\phi\phi}$1.12 $M_{r\theta}$-0.39 $M_{\theta\phi}$-0.82 $M_{\phi r}$0.93 Best double couple: NP1:ϕ_s294.00000°,δ69.00000°,λ152.00000°. NP2: ϕ_s35.00000°,δ64.00000°,λ23.00000°. Principal axes: T 2.0200,Plg34.0000°,Azm253.0000° ; N -0.1300,Plg55.0000°,Azm80.0000°; P -1.8800,Plg3.0000°,Azm345.0000° $M_0$2.00000×10^{17}
MOS Error ellipse: s-maj=8.4km s-min=7.4km az=137.4.
GCMT Event type se. Data Used: II IU IC G GE CU. Surface waves: sta=101, comp=194, per= 50. Moment Tensor Solution. s83,c149; s37,c40; Moment tensor: Scale 10^{17}Nm; M_{rr}0.16±.03 $M_{\theta\theta}$-2.13±.03; $M_{\phi\phi}$1.96±.03; $M_{r\theta}$0.01±.07; $M_{\theta\phi}$-1.10±.02; $M_{\phi r}$0.42±.07; Best double couple: NP1:ϕ_s300.00000°,δ81.00000°,λ174.00000°. NP2:ϕ_s31.00000°,δ84.00000°,λ9.00000°. Principal axes: T 2.3100,Plg11.0000°,Azm256.0000°; N 0.0900,Plg79.0000°,Azm63.0000° ; P -2.4100,Plg2.0000°,Azm166.0000° $M_0$2.40000×10^{17}
IDC Error ellipse: s-maj=12.1km s-min=11.4km az=170.0.

(25) Vancouver Island region

ISC	**XII**	**25 08 11 59.0–.14**	**49.14N–.02**	**128.61W–.02**	**10**	**5.5s,5.2b**	**711**	**1-159**
PGC	XII	25 08 11 53.4–2.5	48.84N	129.07W	10	5.8W,4.8L		**¶13403933**
BJI	XII	25 08 11 53.6	49.10N	128.60W	10	5.8s,5.5b		
IDC	XII	25 08 11 56.2–.48	49.00N	128.89W	0	5.4,5.4s		
MOS	XII	25 08 11 56.7–1.0	49.12N	128.62W	10	5.6b,5.5s		
ISCJB	XII	25 08 11 57.1–.13	49.09N–.02	128.62W–.02	10	5.5s,5.2b		
NEIC	XII	25 08 11 58.8–.17	49.13N	128.62W	10	5.8W,5.8W		
SZGRF	XII	25 08 11 58.8	49.96N	131.74W	33	5.4b,5.8W		
GCMT	XII	25 08 11 59.8–.10	48.78N	129.06W	12	5.8W,5.8W		

ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 232km west of Tofino, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=13.0km s-min=8.6km az=52.0.
MOS Error ellipse: s-maj=10.3km s-min=4.3km az=122.7.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=44.5.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=1.9km az=46.0. Felt [II] at Vancouver, British Columbia. Also felt at Sechelt and Victoria. Felt at Bremerton, Carnation, Maple Valley and Seattle, Washington. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$-4.51 $M_{\phi\phi}$4.16 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.92 $M_{\phi r}$-4.00 Best double couple: NP1:ϕ_s225.00000° ,δ64.00000°,λ20.00000°. NP2:ϕ_s125.00000°,δ72.00000°,λ152.00000°. Principal axes: T 6.8000,Plg32.0000°,Azm83.0000°; N -2.1700,Plg57.0000°,Azm274.0000° ; P -4.6300,Plg5.0000°,Azm176.0000° $M_0$6.00000×10^{17} Moment Tensor Solution. $M_0$6.30000×10^{17}
SZGRF Vancouver Island, Canada, region.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=251, per= 50. Moment Tensor Solution. s102,c192; s65,c82; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.77±.05 $M_{\theta\theta}$-6.28±.06; $M_{\phi\phi}$7.05±.06; $M_{r\theta}$-0.34±.15; $M_{\theta\phi}$-0.57±.06; $M_{\phi r}$0.31±.15; Best double couple: NP1:ϕ_s43.00000°,δ86.00000°,λ-1.00000°. NP2:ϕ_s133.00000°,δ89.00000°,λ-176.00000°. Principal axes: T 7.0900,Plg2.0000°,Azm267.0000°; N -0.7700,Plg86.0000°,Azm143.0000° ; P -6.3200,Plg3.0000°,Azm358.0000° $M_0$6.70000×10^{17}

(229) Off east coast of Honshu

ISC	**XII**	**25 10 43 10.8–.83**	**36.46N–.02**	**142.42E–.02**	**9–5**	**5.1b,5.0s**	**992**	**1-160**
NIED	XII	25 10 43 00	36.50N	142.50E	5	5.3W,5.0s		**¶13403941**
SZGRF	XII	25 10 43 04.8	34.52N	141.39E	33	5.4b,5.0s		
BJI	XII	25 10 43 06.0	36.52N	142.88E	10	5.3s,5.2b		
IDC	XII	25 10 43 09.0–.52	36.38N	142.47E	0	4.9,4.9		
ISCJB	XII	25 10 43 09.2–.73	36.45N–.02	142.43E–.02	8–4	5.1b,5.0s		
JMA	XII	25 10 43 11.5–.20	36.48N	142.46E	69	5.4,5.0s		
NEIC	XII	25 10 43 12.8–1.5	36.40N	142.36E	22–10	5.3W,5.2b		
DJA	XII	25 10 43 13	36.81N	143.15E	36	5.3b,5.2b		
MOS	XII	25 10 43 15.2–.85	36.87N	142.25E	33	5.5b,5.3s		
GCMT	XII	25 10 43 16.0–.10	36.47N	142.54E	12	5.3W,5.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ47.00000°,λ87.00000°. NP2:ϕ_s228.00000°,δ43.00000°,λ93.00000°. $M_0$1.04000×10^{17}
SZGRF Off east coast of Honshu, Japan.
IDC Error ellipse: s-maj=14.7km s-min=13.3km az=159.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.0km az=171.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=154.0. Felt at Ayase. Recorded [1 JMA] in Fukushima and Miyagi. Moment Tensor Solution. $M_0$1.00000×10^{17}
MOS Error ellipse: s-maj=6.6km s-min=4.0km az=107.4.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves from 110 sta. Moment Tensor Solution. s59,c97; s99,c210; Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.01 $M_{\theta\theta}$-0.50±.01; $M_{\phi\phi}$-0.75±.02; $M_{r\theta}$0.28±.04; $M_{\theta\phi}$-0.44±.01; $M_{\phi r}$0.61±.04; Best double couple: NP1: ϕ_s221.00000°,δ30.00000°,λ98.00000°. NP2:ϕ_s32.00000°,δ60.00000°,λ85.00000°. Principal axes: T 1.4200,Plg75.0000°,Azm288.0000°; N -0.1800,Plg4.0000°,Azm34.0000° ; P -1.2500,Plg15.0000°,Azm125.0000° $M_0$1.30000×10^{17}

(356) Off coast of Pakistan

ISC	**XII**	**25 22 40 23.2–.12**	**23.35N–.02**	**64.54E–.01**	**10**	**5.6s,5.5b**	**1519**	**5-173**
BGS	XII	25 22 40 17.9–1.8	23.29N	65.48E	10–0	5.9b,5.6s		**¶13404013**
BJI	XII	25 22 40 18.1	23.32N	64.03E	11	6.0s,5.8b		
IDC	XII	25 22 40 21.2–.40	23.34N	64.58E	0	5.5s,5.5		
ISCJB	XII	25 22 40 21.3–.13	23.35N–.02	64.55E–.01	10	5.6s,5.5b		
CSEM	XII	25 22 40 21.9–.13	23.38N	64.56E	2	5.8W,5.6b		
OMAN	XII	25 22 40 22.0–2.0	23.20N	64.50E	10–0	5.8W,5.6b		
NEIC	XII	25 22 40 23.6–.21	23.42N	64.50E	13	5.8b,5.8W		
SFS	XII	25 22 40 23.0	23.39N	64.50E	10	6.0L,5.8W		
VIE	XII	25 22 40 23.0	23.36N	64.49E	10	5.9b,5.8W		
DJA	XII	25 22 40 24	23.40N	64.55E	10	5.6b,5.8W		
MOS	XII	25 22 40 25.9–1.6	23.42N	64.55E	42	5.9b,5.5s		
GCMT	XII	25 22 40 26.5–.10	23.22N	64.36E	12	5.8W,5.5s		
SZGRF	XII	25 22 40 44.8	25.76N	62.65E	33	5.8b,5.1s		

ISC Event type ke.
BGS Error ellipse: s-maj=899.8km s-min=626.5km az=-1.0.
IDC Error ellipse: s-maj=12.0km s-min=9.4km az=7.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=1.8km az=7.8.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.8km az=4.0.
OMAN Error ellipse: s-maj=3.3km s-min=1.5km az=337.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.5km az=190.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s72 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.94 $M_{\theta\theta}$3.95 $M_{\phi\phi}$-1.01 $M_{r\theta}$-4.73 $M_{\theta\phi}$3.23 $M_{\phi r}$1.97 Best double couple: NP1:ϕ_s99.00000°,δ75.00000°,λ-55.00000°. NP2: ϕ_s210.00000°,δ38.00000°,λ-154.00000°. Principal axes: T 6.9100,Plg21.0000° ,Azm163.0000°; N 0.2100,Plg33.0000°,Azm268.0000°; P -7.1300,Plg48.0000°,Azm46.0000° $M_0$7.00000×10^{17}
SFS Event type ke.
VIE 309 km WSW of Karachi .
MOS Error ellipse: s-maj=5.3km s-min=3.0km az=123.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=104, comp=226, per= 50. Moment Tensor Solution. s105,c212; s63,c78; Moment tensor: Scale 10^{17}Nm; M_{rr}-4.15±.06 $M_{\theta\theta}$5.99±.06; $M_{\phi\phi}$-1.85±.07; $M_{r\theta}$-2.76±.15; $M_{\theta\phi}$3.59±.05; $M_{\phi r}$2.36±.16; Best double couple: NP1:ϕ_s215.00000°,δ50.00000°,λ-146.00000°. NP2:ϕ_s101.00000°,δ65.00000°,λ-46.00000°. Principal axes: T 7.6600,Plg9.0000°,Azm161.0000°; N -0.6200,Plg39.0000°,Azm259.0000° ; P -7.0500,Plg50.0000°,Azm61.0000° $M_0$7.40000×10^{17}
SZGRF Southwestern Pakistan.

(10) Unimak Island region

ISC	**XII**	**27 14 50 31.7–.15**	**53.61N–.03**	**163.68W–.03**	**36**	**5.2b,4.8s**	**809**	**1-154**
SZGRF	XII	27 14 50 28.7	54.19N	164.06W	33	5.1b,4.7s		**¶13404165**
DJA	XII	27 14 50 28	53.63N	163.54W	14	5.4b,4.7s		
NEIC	XII	27 14 50 28.2	53.39N	163.53W	26	5.3b,5.1W		
IDC	XII	27 14 50 28.5–2.5	53.60N	163.70W	16–14	5.0,5.0		
MOS	XII	27 14 50 28.9–1.1	53.78N	163.64W	29	5.5b,5.0s		
ISCJB	XII	27 14 50 29.5–.15	53.57N–.03	163.66W–.03	33	5.2b,4.8s		
GCMT	XII	27 14 50 31.7–.20	53.41N	163.58W	15–0	5.2W,4.8s		
BJI	XII	27 14 50 32.6	54.15N	164.50W	34	5.4b,5.3s		
BGS	XII	27 14 50 36.6–1.8	53.69N	158.38W	33–0	5.2b,5.3s		

ISC Event type se.
SZGRF Unimak Island, Alaska, United States, region.
NEIC Event type se. After AEIC. Moment Tensor Solution. $M_0$5.00000×10^{16}
IDC Error ellipse: s-maj=16.1km s-min=9.9km az=160.0.
MOS Error ellipse: s-maj=8.4km s-min=6.4km az=68.5.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.1km az=173.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c117; s89,c147; Moment tensor: Scale 10^{16}Nm; M_{rr}4.73±.17 $M_{\theta\theta}$-2.86±.13; $M_{\phi\phi}$-1.87±.12; $M_{r\theta}$4.87±.38; $M_{\theta\phi}$-3.74±.11; $M_{\phi r}$2.97±.30; Best double couple: NP1:ϕ_s217.00000°,δ23.00000°,λ71.00000°. NP2:ϕ_s57.00000°,δ68.00000°,λ98.00000°. Principal axes: T 7.2500,Plg66.0000° ,Azm340.0000°; N 1.2800,Plg7.0000°,Azm234.0000°; P -8.5400,Plg23.0000°,Azm141.0000° $M_0$7.90000×10^{16}
BGS Error ellipse: s-maj=317.1km s-min=999.9km az=-1.0.

(222) East of Kuril Islands

ISC	**XII**	**28 13 31 37.9–.29**	**48.26N–.02**	**154.42E–.02**	**50–2**	**5.5b,4.9s**	**1250**	**3-156**
NIED	XII	28 13 31 00	48.10N	155.30E	26	5.4W,4.9s		**¶13404240**
JMA	XII	28 13 31 30.5–.70	48.11N	155.32E	30	6.0,4.9s		
DJA	XII	28 13 31 30	48.56N	154.82E	10	5.4b,4.9s		
BGS	XII	28 13 31 31.8–1.8	47.97N	157.09E	40–0	5.8b,4.9s		
ISCJB	XII	28 13 31 34.8–.35	48.19N–.02	154.49E–.02	40–3	5.5b,4.9s		
SKHL	XII	28 13 31 34.6–2.3	47.98N	154.90E	46–4	6.4b,6.1s		
BJI	XII	28 13 31 35.4	48.31N	154.57E	59	5.3b,5.2b		
IDC	XII	28 13 31 35.7–1.6	48.35N	154.32E	34–11	5.3L,5.2		
MOS	XII	28 13 31 35.5–1.1	48.14N	154.63E	64	5.6b,4.9s		
NEIC	XII	28 13 31 36.3–.53	48.28N	154.37E	38–4	5.5b,4.9s		
KRSC	XII	28 13 31 36.7–2.5	48.05N	156.12E	10–10	5.8L,4.9s		
GCMT	XII	28 13 31 39.3–.10	48.19N	154.75E	45–0	5.4W,4.9s		
TEH	XII	28 13 31 40.0	48.38N	154.26E	61	5.4W,4.9s		
SZGRF	XII	28 13 31 40.1	49.66N	152.70E	33	5.8b,5.0s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s236.00000°,δ73.00000°,λ129.00000°. NP2:ϕ_s345.00000°,δ42.00000°,λ26.00000°. $M_0$1.22000×10^{17}
JMA Error ellipse: s-maj=10.0km s-min=8.9km az=-1.0.
BGS Error ellipse: s-maj=214.3km s-min=630.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.1km az=151.3.
IDC Error ellipse: s-maj=12.6km s-min=9.7km az=143.0.
MOS Error ellipse: s-maj=7.6km s-min=5.8km az=64.7.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.1km az=160.0.
KRSC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 110 sta. Moment Tensor Solution. s84,c159; s99,c223; Moment tensor: Scale 10^{17}Nm; M_{rr}1.01±.03 $M_{\theta\theta}$0.55±.02; $M_{\phi\phi}$-1.55±.02; $M_{r\theta}$0.43±.02; $M_{\theta\phi}$-0.38±.02; $M_{\phi r}$0.94±.03; Best double couple: NP1: ϕ_s169.00000°,δ29.00000°,λ58.00000°. NP2:ϕ_s24.00000°,δ65.00000°,λ107.00000°. Principal axes: T 1.4200,Plg65.0000°,Azm324.0000°; N 0.5400,Plg15.0000°,Azm197.0000° ; P -1.9600,Plg19.0000°,Azm102.0000° $M_0$1.70000×10^{17}
SZGRF Northwest of Kuril Islands, Russia.

(222) East of Kuril Islands

ISC	**XII**	**28 21 40 18.1–.32**	**48.28N–.02**	**154.32E–.03**	**53–2**	**5.5b,4.8s**	**1071**	**3-154**
NIED	XII	28 21 40 00	48.00N	155.20E	35	5.3W,4.8s		**¶13404271**
BGS	XII	28 21 40 08.9–1.7	47.20N	156.10E	40–0	5.7b,4.8s		
DJA	XII	28 21 40 09	48.30N	154.84E	10	5.4b,4.8s		
BJI	XII	28 21 40 13.5	48.26N	154.69E	46	5.1b,5.1b		
SKHL	XII	28 21 40 14.6–1.2	47.96N	155.07E	95–4	6.6b,6.6s		
ISCJB	XII	28 21 40 15.2–.39	48.21N–.02	154.39E–.03	45–3	5.5b,4.8s		
KRSC	XII	28 21 40 15.7–3.0	47.87N	157.75E	5–5	5.9L,4.8s		
MOS	XII	28 21 40 16.5–1.3	48.27N	154.46E	64	5.6b,4.8s		
IDC	XII	28 21 40 16.8–1.7	48.32N	154.34E	43–14	5.2,5.2		
NEIC	XII	28 21 40 16.8–.47	48.29N	154.29E	42–4	5.6b,5.2W		
SZGRF	XII	28 21 40 17.2	48.97N	153.88E	33	5.6b,5.5s		
GCMT	XII	28 21 40 19.8–.10	48.19N	154.74E	48–0	5.4W,5.5s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s231.00000°,δ67.00000°,λ105.00000°. NP2:ϕ_s18.00000°,δ27.00000°,λ59.00000°. $M_0$1.08000×10^{17}
BGS Error ellipse: s-maj=370.1km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.2km az=150.8.
KRSC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=5.6km az=65.4.
IDC Error ellipse: s-maj=13.3km s-min=10.4km az=145.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=1.9km az=160.0. Moment Tensor Solution. s90 Moment tensor: Scale 10^{16}Nm; M_{rr}8.04 $M_{\theta\theta}$-1.65 $M_{\phi\phi}$-6.39 $M_{r\theta}$3.12 $M_{\theta\phi}$-4.79 $M_{\phi r}$1.15 Best double couple: NP1:ϕ_s46.00000°,δ55.00000°,λ108.00000°. NP2:ϕ_s197.00000° ,δ39.00000°,λ66.00000°. Principal axes: T 8.9600,Plg73.0000°,Azm3.0000° ; N 0.8000,Plg14.0000°,Azm215.0000°; P -9.7600,Plg8.0000°,Azm123.0000° $M_0$9.40000×10^{16}
SZGRF Kuril Islands, Russia.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=104, comp=188, per= 50. Moment Tensor Solution. s84,c153; s16,c17; Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$-0.20±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$0.36±.02; $M_{\theta\phi}$-0.77±.01; $M_{\phi r}$0.23±.02; Best double couple: NP1:ϕ_s201.00000°,δ38.00000°,λ73.00000°. NP2:ϕ_s42.00000°,δ54.00000°,λ103.00000°. Principal axes: T 1.2300,Plg76.0000°,Azm355.0000°; N 0.2500,Plg10.0000°,Azm215.0000° ; P -1.4700,Plg8.0000°,Azm123.0000° $M_0$1.40000×10^{17}

(221) Kuril Islands

ISC	**XII**	**28 22 39 46.4–.36**	**48.25N–.03**	**154.32E–.03**	**49–3**	**5.1b,4.3s**	**733**	**3-156**
BJI	XII	28 22 39 41.6	48.18N	154.80E	43	5.0b,4.8b		**¶13404278**
SZGRF	XII	28 22 39 41.9	48.86N	154.12E	33	5.1b,4.8b		
ISCJB	XII	28 22 39 43.7–.43	48.20N–.03	154.37E–.03	43–3	5.1b,4.3s		
KRSC	XII	28 22 39 44.1–3.0	47.84N	157.24E	10–10	5.3L,4.3s		
SKHL	XII	28 22 39 45.6–2.3	48.08N	154.66E	39–3	5.8s,5.6b		
NEIC	XII	28 22 39 45.9–.62	48.25N	154.28E	47–5	5.3b,5.6b		
MOS	XII	28 22 39 45.3–1.4	48.24N	154.47E	66	5.4b,4.0s		
IDC	XII	28 22 39 46.3–2.4	48.28N	154.34E	52–21	4.7,4.7		
GCMT	XII	28 22 39 49.3–.30	48.20N	154.60E	46–1	5.0W,4.7		

ISC Event type se.
SZGRF Kuril Islands, Russia.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.6km az=148.6.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=161.0.
MOS Error ellipse: s-maj=9.3km s-min=5.9km az=64.1.
IDC Error ellipse: s-maj=13.1km s-min=9.7km az=130.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s42,c56; s54,c77; Moment tensor: Scale 10^{16}Nm; M_{rr}4.27±.22 $M_{\theta\theta}$-1.91±.15; $M_{\phi\phi}$-2.36±.14; $M_{r\theta}$1.12±.14; $M_{\theta\phi}$-2.33±.09; $M_{\phi r}$0.18±.12; Best double couple: NP1:ϕ_s213.00000°,δ40.00000°,λ75.00000°. NP2:ϕ_s52.00000°,δ51.00000°,λ102.00000°. Principal axes: T 4.4800,Plg79.0000° ,Azm12.0000°; N 0.0900,Plg9.0000°,Azm224.0000°; P -4.5700,Plg6.0000°,Azm133.0000° $M_0$4.50000×10^{16}

(221) Kuril Islands

ISC	**XII**	**29 01 44 26.3–.55**	**48.40N–.05**	**154.36E–.05**	**57–4**	**4.7b,3.9s**	**357**	**3-156**
BJI	XII	29 01 44 19.0	49.08N	155.09E	60	5.1b,4.4b		**¶13404292**
MOS	XII	29 01 44 21.7–.86	48.31N	154.34E	35	5.0b,4.4b		
ISCJB	XII	29 01 44 23.6–.64	48.35N–.05	154.40E–.05	50–5	4.7b,3.9s		
SKHL	XII	29 01 44 23.9–2.1	48.12N	154.85E	91–8	5.9s,5.2b		
KRSC	XII	29 01 44 23.4–2.8	47.96N	156.83E	10–10	5.0L,5.2b		

NEIC XII 29 01 44 24.0–.57 48.27N 154.36E 43–5 4.9b,5.2b
IDC XII 29 01 44 27.1–2.5 48.30N 154.35E 71–21 4.3,4.3
SZGRF XII 29 01 45 41.2 52.62N 152.81E 33 4.5b,4.3
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=5.3km az=94.6.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.0km az=147.3.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.7km az=158.0.
IDC Error ellipse: s-maj=15.6km s-min=10.3km az=151.0.
SZGRF Northwest of Kuril Islands, Russia.

(221) Kuril Islands

ISC	**XII**	**29 12 07 46.1–.64**	**48.29N–.06**	**154.52E–.09**	**57–4**	**4.4b,3.9s**	**214**	**3-84**
MOS	XII	29 12 07 41.7–.99	48.20N	154.48E	55	4.9b,3.9s		**¶11526709**
KRSC	XII	29 12 07 42.8–2.9	47.87N	156.73E	10–10	4.9L,3.9s		
SKHL	XII	29 12 07 43.5–1.5	47.95N	155.00E	93–4	6.0s,5.3b		
ISCJB	XII	29 12 07 43.3–.73	48.24N–.06	154.60E–.08	49–5	4.4b,3.9s		
NEIC	XII	29 12 07 45.5–.61	48.20N	154.47E	56–5	4.8b,3.9s		
IDC	XII	29 12 07 45.4–3.2	48.25N	154.34E	51–28	4.0,4.0		
BJI	XII	29 12 07 46.3	48.20N	154.60E	64	4.7b,4.2b		

ISC Event type se.
MOS Error ellipse: s-maj=11.4km s-min=6.1km az=81.6.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=4.3km az=140.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.6km az=142.0.
IDC Error ellipse: s-maj=17.1km s-min=11.8km az=148.0.

(274) Southern Sumatera

ISC	**XII**	**30 19 49 54.7–.58**	**4.30S–.02**	**101.14E–.02**	**31–4**	**5.9s,5.5b**	**690**	**2-176**
BJI	XII	30 19 49 50.6	4.82S	101.24E	46	6.3s,6.2b		**¶11524539**
ISCJB	XII	30 19 49 51.5–.58	4.30S–.02	101.15E–.02	22–4	5.9s,5.5b		
NEIC	XII	30 19 49 52.6–.16	4.30S	101.22E	20	5.9s,5.9W		
MOS	XII	30 19 49 53.7–1.2	4.18S	101.26E	33	5.8s,5.8b		
DJA	XII	30 19 49 53.4–.70	4S–2.0	101E–2.0	16–6	6.3,6.3		
IDC	XII	30 19 49 53.9–.40	4.26S	101.20E	25–2	5.7s,5.7		
GCMT	XII	30 19 49 56.6–.10	4.63S	100.89E	23–0	5.9W,5.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.7km az=35.1.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.2km az=54.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s125.00000°,δ80.00000° ,λ90.00000°. NP2:ϕ_s305.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000° ,Azm35.0000°; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm215.0000° Moment Tensor Solution. s89 Moment tensor: Scale 10^{17}Nm; M_{rr}5.34 $M_{\theta\theta}$-3.01 $M_{\phi\phi}$-2.33 $M_{r\theta}$4.88 $M_{\theta\phi}$3.01 $M_{\phi r}$-2.82 Best double couple: NP1:ϕ_s321.00000°,δ23.00000°,λ106.00000°. NP2: ϕ_s123.00000°,δ68.00000°,λ83.00000°. Principal axes: T 7.7800,Plg66.0000°,Azm21.0000° ; N 0.2300,Plg6.0000°,Azm125.0000°; P -8.0100,Plg22.0000°,Azm218.0000° $M_0$7.90000×10^{17}
MOS Error ellipse: s-maj=8.3km s-min=4.5km az=115.4.
IDC Error ellipse: s-maj=12.6km s-min=6.7km az=46.0.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta= 90, comp=163, per= 50. Moment Tensor Solution. s97,c200; s68,c88; Moment tensor: Scale 10^{17}Nm; M_{rr}5.35±.08 $M_{\theta\theta}$-2.80±.05; $M_{\phi\phi}$-2.55±.06; $M_{r\theta}$6.83±.17; $M_{\theta\phi}$3.33±.05; $M_{\phi r}$-3.40±.13; Best double couple: NP1:ϕ_s329.00000°,δ20.00000°,λ118.00000°. NP2:ϕ_s120.00000°,δ72.00000°,λ80.00000°. Principal axes: T 9.3900,Plg62.0000°,Azm15.0000°; N 0.2700,Plg9.0000°,Azm123.0000° ; P -9.6600,Plg27.0000°,Azm218.0000° $M_0$9.50000×10^{17}

MAJOR INTERMEDIATE FOCUS EARTHQUAKES
60km<h<=300km,M>=5.5

(221) Kuril Islands

ISC	**VII**	**05 10 34 55.7–.65**	**43.32N–.05**	**146.91E–.06**	**61–5**	**4.3b**	**84**	**1-83**
ISCJB	VII	05 10 34 54.3–.70	43.29N–.05	146.92E–.06	68–5	4.2b		**¶11341984**
MOS	VII	05 10 34 54.0–.88	43.32N	147.03E	69	4.8b		
JMA	VII	05 10 34 55.8–.20	43.25N	146.84E	59–2	4.5		
SKHL	VII	05 10 34 55.0–.70	43.25N	147.05E	56–16	5.5b		
BJI	VII	05 10 34 56.4	43.03N	146.61E	62	5.0b,4.6b		
NEIC	VII	05 10 34 57.4–.45	43.33N	146.94E	81	4.3b,4.6b		
IDC	VII	05 10 34 57.5–.81	43.32N	146.93E	81–8	4.0,3.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.2km az=137.4.
MOS Error ellipse: s-maj=13.1km s-min=8.6km az=101.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=7.6km az=138.0. Recorded [1 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=15.1km s-min=14.2km az=31.0.

(121) Off coast of northern Chile

ISC	**VII**	**08 09 13 07.6–.13**	**15.99S–.03**	**71.75W–.02**	**123**	**5.8b**	**1271**	**1-177**
BGS	VII	08 09 12 54.7–1.7	18.50S	72.83W	123–0	5.6b		**¶12951128**
DJA	VII	08 09 12 55	16.19S	71.82W	10	6.1b		
MOS	VII	08 09 13 04.6–.97	15.80S	71.84W	102	6.0b,5.4s		
ISCJB	VII	08 09 13 06.0–.13	15.91S–.03	71.84W–.02	121	5.8b,5.4s		
GUC	VII	08 09 13 06.1–.74	16.57S	72.26W	80–0	6.0b,5.7s		
NEIC	VII	08 09 13 07.5–.12	15.99S	71.75W	123	6.3,6.2W		
IDC	VII	08 09 13 07.4–.36	16.02S	71.77W	123–2	5.4,5.4		
LDG	VII	08 09 13 08.0–.43	15.70S	71.41W	117–0	5.8b,5.2s		
GCMT	VII	08 09 13 10.0–.10	16.26S	72.00W	126–0	6.2W,5.2s		

ISC Event type de.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=6.9km s-min=4.6km az=81.4.
ISCJB Event type de. Error ellipse: s-maj=3.9km s-min=2.3km az=24.8.
GUC Error ellipse: s-maj=5.5km s-min=6.9km az=-1.0.
NEIC Event type de. Error ellipse: s-maj=3.6km s-min=2.9km az=46.0. One person killed and several buildings damaged [V] at Arequipa. Felt [V] at Aplao and Sihuas; [IV] at Chivay, Chuquibamba and Pampacolca. Felt at Ilo. Also felt [IV] at Arica and Putre; [III] at Alcerreca and Tacora; [II] at Alto Hospicio, Camina, Huara, Iquique, Pica and Pozo Almonte, Chile. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s285.00000°,δ75.00000°,λ-105.00000°. NP2:ϕ_s151.00000°,δ21.00000°,λ-46.00000°. Principal axes: T Plg28.0000°,Azm27.0000°; N Plg0.0000°,Azm0.0000°; P Plg57.0000° ,Azm175.0000° Moment Tensor Solution. s94 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.75 $M_{\theta\theta}$0.49 $M_{\phi\phi}$0.27 $M_{r\theta}$1.53 $M_{\theta\phi}$-1.12 $M_{\phi r}$-0.81 Best double couple: NP1:ϕ_s164.00000° ,δ22.00000°,λ-43.00000°. NP2:ϕ_s295.00000°,δ75.00000°,λ-106.00000°. Principal axes: T 2.4100,Plg28.0000°,Azm38.0000°; N -0.6200,Plg15.0000°,Azm299.0000° ; P -1.7900,Plg56.0000°,Azm183.0000° $M_0$2.20000×10^{18}
IDC Error ellipse: s-maj=12.1km s-min=7.9km az=74.0.
LDG Event type ke. Error ellipse: s-maj=25.8km s-min=11.4km az=52.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=115, comp=273, per= 50. Moment Tensor Solution. s117,c265; s79,c109; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.08±.02 $M_{\theta\theta}$0.37±.02; $M_{\phi\phi}$0.72±.02; $M_{r\theta}$1.51±.02; $M_{\theta\phi}$-1.93±.02; $M_{\phi r}$-0.35±.02; Best double couple: NP1:ϕ_s177.00000°,δ44.00000°,λ-23.00000°. NP2:ϕ_s284.00000°,δ74.00000°,λ-132.00000°. Principal axes: T 2.9100,Plg19.0000°,Azm44.0000°; N -0.6200,Plg40.0000°,Azm297.0000° ; P -2.2900,Plg44.0000°,Azm153.0000° $M_0$2.60000×10^{18}

(221) Kuril Islands

ISC	**VII**	**09 12 29 41.3–.08**	**49.19N–.02**	**151.36E–.02**	**286**	**4.9b**	**1261**	**3-156**
KRSC	VII	09 12 29 37.0–.50	48.66N	152.28E	318–22	5.5L		**¶11108425**
SKHL	VII	09 12 29 38.8–2.5	48.85N	151.72E	272–26	6.3,6.2b		
ISCJB	VII	09 12 29 39.7–.09	49.19N–.02	151.38E–.02	284	4.9b,6.2b		
MOS	VII	09 12 29 39.7–.86	49.26N	151.43E	283	5.0b,6.2b		
IDC	VII	09 12 29 40.5–.37	49.19N	151.50E	282–3	4.6,4.6		
SZGRF	VII	09 12 29 40.7	49.62N	153.17E	292	5.1b,4.6		
NEIC	VII	09 12 29 41.1–.15	49.26N	151.34E	286	4.9b,4.6		
BJI	VII	09 12 29 41.5	49.43N	151.29E	285	4.9b,4.7b		
GCMT	VII	09 12 29 43.6–.20	49.09N	151.62E	289–1	5.2W,4.7b		
DJA	VII	09 12 29 52	49.19N	151.34E	407	4.9b,4.7b		

ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=1.4km az=159.3.
MOS Error ellipse: s-maj=6.1km s-min=3.9km az=89.6.
IDC Error ellipse: s-maj=7.4km s-min=5.5km az=139.0.
SZGRF Kuril Islands, Russia.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=2.4km az=174.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s67,c103; s90,c131; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.08±.16 $M_{\theta\theta}$2.19±.19; $M_{\phi\phi}$3.89±.18; $M_{r\theta}$-1.99±.18; $M_{\theta\phi}$-3.73±.14; $M_{\phi r}$-4.05±.17; Best double couple: NP1:ϕ_s118.00000°,δ42.00000° ,λ-132.00000°. NP2:ϕ_s348.00000°,δ60.00000°,λ-59.00000°. Principal axes: T 7.2000,Plg10.0000°,Azm56.0000°; N 1.2900,Plg27.0000°,Azm151.0000° ; P -8.4800,Plg61.0000°,Azm308.0000° $M_0$7.80000×10^{16}

(263) Talaud Islands

ISC	**VII**	**09 18 24 51.7–.60**	**3.87N–.03**	**128.01E–.06**	**107–5**	**4.6b**	**114**	**3-94**
ISCJB	VII	09 18 24 50.5–.67	3.88N–.03	128.03E–.06	114–5	4.6b		**¶11108435**
BJI	VII	09 18 24 50.9	3.53N	128.30E	141	4.7b,4.5b		
IDC	VII	09 18 24 51.9–.66	3.86N	127.99E	111–6	4.2,4.1		
NEIC	VII	09 18 24 51.7–.32	3.87N	127.99E	110	4.5b,4.1		
DJA	VII	09 18 24 55	3.72N	127.81E	102	5.3W,4.1		
MAN	VII	09 18 25 03	4.67N	127.28E	173	5.5b,4.9s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.3km az=169.8.
IDC Error ellipse: s-maj=22.1km s-min=8.7km az=79.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.1km az=77.0.

(259) Mindanao

ISC	**VII**	**10 02 04 28.4–.45**	**6.14N–.02**	**126.77E–.05**	**82–3**	**4.7b**	**185**	**1-130**
MOS	VII	10 02 04 21.3–1.4	6.12N	126.61E	33	5.1b		**¶13388628**
ISCJB	VII	10 02 04 26.6–.47	6.14N–.02	126.81E–.05	81–3	4.7b		
BJI	VII	10 02 04 28.9	5.84N	126.59E	112	4.9b,4.8b		
IDC	VII	10 02 04 28.0–1.6	6.12N	126.80E	84–13	4.3,4.3		
DJA	VII	10 02 04 28	6.11N	126.92E	53	5.2W,4.3		
NEIC	VII	10 02 04 29.9–1.4	6.09N	126.68E	98–12	4.7b,4.3		
MAN	VII	10 02 04 30	6.30N	126.55E	24	5.5b,4.8s		

ISC Event type se.
MOS Error ellipse: s-maj=17.8km s-min=7.0km az=116.8.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.3km az=164.7.
IDC Error ellipse: s-maj=24.3km s-min=9.7km az=72.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=8.0km az=78.0.

(186) Vanuatu Islands

ISC	**VII**	**10 05 16 28.5–.10**	**15.26S–.02**	**167.54E–.02**	**127**	**5.4b**	**497**	**7-169**
NOU	VII	10 05 16 24.3–.99	14.88S	167.64E	30–0	4.7L,3.9		**¶13388644**
MOS	VII	10 05 16 26.2–1.2	15.17S	167.48E	113	5.2b,4.2s		
BJI	VII	10 05 16 26.2	14.87S	167.65E	112	5.3b,5.1b		
LDG	VII	10 05 16 26.5–.30	15.00S	166.95E	100–0	5.6b,3.9s		
ISCJB	VII	10 05 16 26.9–.10	15.25S–.02	167.47E–.02	125	5.4b,3.9s		
NEIC	VII	10 05 16 28.0–.13	15.20S	167.52E	123	5.3b,3.9s		
IDC	VII	10 05 16 28.2–.50	15.26S	167.61E	126–4	5.1,5.1		
GCMT	VII	10 05 16 29.9–.20	15.25S	167.26E	128–1	5.3W,5.1		
DJA	VII	10 05 16 40	15.46S	167.42E	230	5.5W,5.1		

ISC Event type ke.
NOU Error ellipse: s-maj=11.3km s-min=63.4km az=-1.0.
MOS Error ellipse: s-maj=9.2km s-min=8.4km az=90.6.
LDG Event type ke. Error ellipse: s-maj=41.1km s-min=9.9km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=139.3.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.6km az=152.0.
IDC Error ellipse: s-maj=13.2km s-min=10.1km az=83.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 105 sta. Moment Tensor Solution. s79,c114; s99,c188; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s237.00000°,δ52.00000°,λ132.00000°. NP2:ϕ_s1.00000°,δ54.00000°,λ49.00000°. Principal axes: T 1.1400,Plg58.0000° ,Azm210.0000°; N 0.0400,Plg32.0000°,Azm27.0000°; P -1.1800,Plg1.0000°,Azm118.0000° $M_0$1.20000×10^{17}

(162) South Island

ISC	**VII**	**12 00 08 57.1–.33**	**45.72S–.05**	**167.22E–.05**	**112–3**	**5.0b**	**122**	**0-172**
ISCJB	VII	12 00 08 56.2–.33	45.70S–.05	167.24E–.05	118–3	5.0b		**¶11133613**
NEIC	VII	12 00 08 56.6	45.82S	166.79E	101	4.9b		
WEL	VII	12 00 08 56.8–.29	45.79S	166.80E	103–1	6.0L		
IDC	VII	12 00 08 57.0–2.1	45.65S	167.07E	109–18	4.8,4.6		
BJI	VII	12 00 08 58.1	45.32S	167.18E	118	5.5b,5.2b		
GCMT	VII	12 00 09 01.8–.30	45.56S	166.72E	112–3	5.1W,5.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.6km az=148.3.
NEIC Event type fe. Felt in the Fiordland-Otago-Southland area. After WEL.
WEL Event type fe. Error ellipse: s-maj=3.2km s-min=1.5km az=90.0. Felt from West Coast to Southland, and from Fiordland to Otago, maximum. reported intensity MM 5.
IDC Error ellipse: s-maj=22.5km s-min=16.1km az=180.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s32,c38; s64,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.20 $M_{\theta\theta}$3.77±.18; $M_{\phi\phi}$-3.10±.19; $M_{r\theta}$0.95±.15; $M_{\theta\phi}$-3.62±.18; $M_{\phi r}$-3.04±.15; Best double couple: NP1:ϕ_s70.00000°,δ57.00000°,λ-174.00000°. NP2:ϕ_s336.00000°,δ85.00000°,λ-33.00000°. Principal axes: T 6.0200,Plg19.0000° ,Azm28.0000°; N -0.1600,Plg57.0000°,Azm148.0000°; P -5.8700,Plg27.0000° ,Azm288.0000° $M_0$6.00000×10^{16}

(371) Eastern Mediterranean Sea

ISC	**VII**	**15 03 26 36.5–.07**	**35.923N–.01**	**27.804E–.01**	**65**	**6.3b**	**3699**	**0-167**
BGS	VII	15 03 26 21.3–1.8	34.83N	28.80E	52–0	6.3b,5.8s		**¶13389231**
SZGRF	VII	15 03 26 31.9	35.96N	28.27E	33	6.7b,5.8s		
NIC	VII	15 03 26 32.7–.20	35.69N	27.85E	65	5.9L,5.9b		
PDG	VII	15 03 26 33.0–.57	35.86N	27.90E	20–2	6.5,6.3L		
BJI	VII	15 03 26 33.0	36.23N	27.49E	56	6.1s,6.0b		
DJA	VII	15 03 26 33	35.72N	27.97E	13	6.4W,6.0b		
MOS	VII	15 03 26 33.4–.96	35.77N	27.95E	76	6.6b,6.0s		
ISK	VII	15 03 26 33.7	35.80N	27.88E	32	6.4L,6.0s		
NEIC	VII	15 03 26 34.7–.13	35.80N	27.86E	52	6.8,6.5b		
IDC	VII	15 03 26 34.8–.73	36.05N	27.72E	44–5	6.0,6.0b		
CSEM	VII	15 03 26 34.3–.05	35.73N	27.86E	58	6.4W,6.4b		
ISCJB	VII	15 03 26 34.9–.07	35.918N–.01	27.827E–.01	63	6.4b,6.4b		
ATH	VII	15 03 26 34.5	35.85N	27.92E	56–1	6.2L,6.4b		
PDA	VII	15 03 26 35.9	36.03N	27.70E	52	6.4W,6.4b		
SGS	VII	15 03 26 35.8	35.78N	27.95E	56	6.4W,6.4b		
THE	VII	15 03 26 35.5	35.83N	28.03E	33–3	7.0L,6.4b		
DDA	VII	15 03 26 36.4	36.01N	27.97E	57–11	6.1L,6.4b		
SFS	VII	15 03 26 36.0	35.98N	27.79E	68	6.4L,6.4b		
HLW	VII	15 03 26 37.0	35.40N	28.09E	33–69	6.2L,4.3		
GCMT	VII	15 03 26 39.8–.10	35.67N	27.69E	42–0	6.4W,4.3		
NSSC	VII	15 03 26 54	35.78N	29.90E	40	6.4W,4.3		
TEH	VII	15 03 29 00.0	35.98N	27.79E	68	6.4W,4.3		

ISC Event type de.
BGS Error ellipse: s-maj=341.7km s-min=284.8km az=-1.0.
SZGRF Eastern Mediterranean Sea.
NIC Event type fe. Felt earthquake; Maximum Intensity 3; DODECANESE ISLANDS, GREECE - Felt I-III MM at Paphos, Polis, Limassol and Nicosi.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=90.0.
MOS Error ellipse: s-maj=4.3km s-min=1.8km az=116.6.
NEIC Event type de. Error ellipse: s-maj=2.8km s-min=1.9km az=19.0. One person killed on Rhodes. Felt [VII] at Trianta, [VI] at Lardos, [V] at Rodos and [III] at Iraklion and Kos. Also felt at Afantou, Antimacheia, Ayios Nikolaos, Chania, Gazion, Ierapetra, Kallithea, Karpathos, Kissamos, Kolimvarion, Kremasti, Masari, Neapolis, Oia, Rethymnon, Soroni, Thira and on Simi. Felt [V] at Marmaris, [IV] at Alanya and Bodrum and [III] at Fethiye, Turkey. Also felt at Antalya, Aydin, Izmir, Kusadasi, Milas, Mugla, Soke and Urla. Felt [III] at Paphos and [II] at Limassol, Cyprus. Also felt at Kyrenia, Nicosia and Polis. Felt [III] at Alexandria, Al Jizah and Cairo, Egypt. Also felt at Al Maks, Az Zaqaziq, Damanhur, Fa'id and Tanta. Felt at Kefar Sava, Haifa and Ramat Gan, Israel; at Beirut, Lebanon; at Ramallah, West Bank and at Damascus, Syria. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s5.00000°,δ65.00000°,λ175.00000°. NP2: ϕ_s97.00000°,δ85.00000°,λ25.00000°. Principal axes: T Plg21.0000°,Azm324.0000° ; N Plg0.0000°,Azm0.0000°; P Plg14.0000°,Azm228.0000° Moment Tensor Solution. s149 Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-0.61 $M_{r\theta}$1.73 $M_{\theta\phi}$2.66 $M_{\phi r}$0.37 Best double couple: NP1:ϕ_s3.00000°,δ59.00000°,λ173.00000°. NP2:ϕ_s97.00000°,δ84.00000° ,λ31.00000°. Principal axes: T 3.4400,Plg25.0000°,Azm324.0000°; N -0.4400,Plg58.0000° ,Azm106.0000°; P -3.0000,Plg16.0000°,Azm226.0000° $M_0$3.20000×10^{18}
IDC Error ellipse: s-maj=7.4km s-min=6.6km az=142.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=22.0.
ISCJB Event type de. Error ellipse: s-maj=1.4km s-min=0.9km az=9.6.
ATH Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=105.0.
SFS Event type ke.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 106 sta. Surface waves: sta=116, comp=270, per= 50. Moment Tensor Solution. s107,c247; s99,c188; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.22±.03 $M_{\theta\theta}$-0.04±.03; $M_{\phi\phi}$1.26±.03; $M_{r\theta}$2.56±.04;

$M_{\theta\theta}$3.96±.03; $M_{\theta r}$0.38±.04; Best double couple: NP1:ϕ_s357.00000°,δ55.00000°,λ-169.00000°. NP2:ϕ_s261.00000°,δ81.00000°,λ-36.00000°. Principal axes: T 5.2400,Plg18.0000° ,Azm314.0000°; N -0.8000,Plg53.0000°,Azm69.0000°; P -4.4400,Plg31.0000° ,Azm213.0000° $M_0$4.80000×10^{18}

NSSC Event type fe.

(221) Kuril Islands

ISC	**VII**	**18 08 02 42.1–.72**	**44.55N–.05**	**148.40E–.08**	**62–8**	**3.8b**	**63**	**1-115**
NIED	VII	18 08 02 00	44.10N	148.20E	47	4.0W		**¶11747051**
JMA	VII	18 08 02 40.9–.40	44.11N	148.22E	0	4.7		
ISCJB	VII	18 08 02 40.7–.74	44.55N–.05	148.39E–.08	67–7	3.7b		
IDC	VII	18 08 02 41.6–.79	44.65N	148.43E	59–6	3.8,3.6		
MOS	VII	18 08 02 41.5–1.3	44.62N	148.27E	77	4.3b,3.6		
SKHL	VII	18 08 02 43.4–1.2	44.66N	148.31E	39–9	5.5b,3.6		

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s241.00000°,δ66.00000°,λ-143.00000°. NP2:ϕ_s134.00000°,δ56.00000°,λ-29.00000°. $M_0$1.02000×10^{15}

JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.

ISCJB Error ellipse: s-maj=11.0km s-min=5.7km az=41.9.

IDC Error ellipse: s-maj=23.8km s-min=11.3km az=160.0.

MOS Error ellipse: s-maj=14.6km s-min=9.7km az=55.2.

(277) Jawa

ISC	**VII**	**20 06 11 08.8–.29**	**8.72S–.03**	**111.27E–.02**	**89–2**	**5.3b**	**506**	**1-173**
IDC	VII	20 06 10 57.8–.38	8.65S	111.24E	0	5.1,5.1b		**¶13389627**
TEH	VII	20 06 11 03.0	8.67S	111.25E	35	5.1,5.1b		
MOS	VII	20 06 11 04.2–1.1	8.41S	111.30E	52	5.6b,4.6s		
DJA	VII	20 06 11 07.6–.20	9S–3.0	111E–1.0	53–3	6.0b,6.0		
ISCJB	VII	20 06 11 07.3–.30	8.71S–.03	111.26E–.02	90–2	5.3b,6.0		
BJI	VII	20 06 11 08.2	8.60S	111.20E	83	5.3b,5.2b		
NEIC	VII	20 06 11 08.2–.98	8.64S	111.23E	78–8	5.3b,5.2b		
GCMT	VII	20 06 11 09.4–.20	9.25S	111.42E	71–1	5.3W,5.2b		

ISC Event type fe.

IDC Error ellipse: s-maj=15.6km s-min=11.4km az=74.0.

MOS Error ellipse: s-maj=8.6km s-min=5.0km az=113.5.

ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=12.0.

NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.8km az=221.0. Felt [IV] at Bantul, Pacitan, Tulungagung and Wonogiri; [III] at Karangkates, Klaten, Sawahan, Trenggalek and Yogyakarta.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s76,c129; s87,c160; Moment tensor: Scale 10^{17}Nm; M_{rr}0.75±.03 $M_{\theta\theta}$-1.21±.02; $M_{\phi\phi}$0.46±.03; $M_{r\theta}$0.52±.02; $M_{\theta\phi}$0.32±.02; $M_{\phi r}$-0.55±.02; Best double couple: NP1:ϕ_s248.00000°,δ39.00000°,λ37.00000°. NP2:ϕ_s128.00000°,δ68.00000°,λ123.00000°. Principal axes: T 1.1900,Plg55.0000° ,Azm80.0000°; N 0.2500,Plg30.0000°,Azm294.0000°; P -1.4500,Plg16.0000°,Azm194.0000° $M_0$1.30000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**VII**	**23 15 26 20.7–.06**	**39.80N–.01**	**141.50E–.01**	**113**	**6.5b**	**2372**	**0-164**
NIED	VII	23 15 26 00	39.70N	141.70E	104	6.8W		**¶13389912**
BGS	VII	23 15 26 05.4–1.5	38.84N	142.57E	33–0	6.4b,6.1s		
MOS	VII	23 15 26 17.8–.91	39.83N	141.53E	101	6.6b,6.4s		
BJI	VII	23 15 26 17.2	39.70N	141.46E	107	7.0b,6.5b		
JMA	VII	23 15 26 19.6–.10	39.73N	141.64E	108–1	6.8,6.5b		
ISCJB	VII	23 15 26 19.1–.06	39.77N–.01	141.52E–.01	111	6.5b,6.5b		
IDC	VII	23 15 26 19.1–.90	39.81N	141.57E	100–6	6.2s,6.2		
SZGRF	VII	23 15 26 19.0	40.35N	143.59E	115	6.7b,6.2		
NEIC	VII	23 15 26 19.9–.09	39.80N	141.46E	108	7.0,6.8W		
DJA	VII	23 15 26 24	39.68N	141.34E	120	7.3W,6.8W		
GCMT	VII	23 15 26 24.1–.10	39.73N	141.51E	99–0	6.8W,6.8W		

ISC Event type de.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ71.00000°,λ-93.00000°. NP2:ϕ_s7.00000°,δ19.00000°,λ-82.00000°. $M_0$1.72000×10^{19}

BGS Error ellipse: s-maj=140.4km s-min=341.6km az=-1.0.

MOS Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=105.6. Felt (IV) at Malokuril'skoe; (III) at Yuzhno-Kuril'sk. Moment Tensor Solution.

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s83.00000°,δ27.00000°,λ-53.00000°. NP2: ϕ_s222.00000°,δ69.00000°,λ-107.00000°. Principal axes: T Plg22.0000°,Azm325.0000° ; N Plg16.0000°,Azm228.0000°; P Plg62.0000°,Azm106.0000°

ISCJB Event type de. Error ellipse: s-maj=1.7km s-min=1.3km az=144.7.

IDC Error ellipse: s-maj=8.2km s-min=6.2km az=81.0.

SZGRF Off east coast of Honshu, Japan.

NEIC Event type de. Error ellipse: s-maj=2.9km s-min=2.3km az=170.0. One person killed, about 200 injured, 90 buildings damaged, landslides occurred, roads closed, train service and power disrupted in northern Honshu. Felt [VII] at Misawa; [IV] at Ayase and Tsukuba; [III] at Narita, Ome, Tokyo, Yokohama and Yokosuka. Also felt [III] at Sapporo, Hokkaido. Felt widely in southwestern Hokkaido and in Honshu as far south as the Tokyo area. Recorded [6U JMA] in Iwate; [6L JMA] in Aomori; [5U JMA] in Miyagi; [4 JMA] in Akita, Fukushima, Ibaraki and Yamagata; [3 JMA] in Chiba, Gumma, Kanagawa, Niigata, Saitama, Tochigi and Tokyo; [2 JMA] in Ishikawa, Nagano, Shizuoka and Yamanashi; [1 JMA] in Aichi, Fukui and Shiga. Also recorded [4 JMA] in eastern and southern Hokkaido; [2 JMA] on Hachijo-jima, Miyake-jima and O-shima; [1 JMA] on Aogo-shima, Kozu-shima and Mikura-jima. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000° ,δ70.00000°,λ-90.00000°. NP2:ϕ_s55.00000°,δ20.00000°,λ-90.00000°. Principal axes: T Plg25.0000°,Azm325.0000°; N Plg0.0000°,Azm0.0000°; P Plg58.0000°,Azm107.0000° Moment Tensor Solution. s184 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.09 $M_{\theta\theta}$0.47 $M_{\phi\phi}$0.62 $M_{r\theta}$-0.27 $M_{\theta\phi}$0.06 $M_{\phi r}$1.72 Best double couple: NP1:ϕ_s173.00000°,δ77.00000°,λ-92.00000°. NP2:ϕ_s3.00000°,δ13.00000°,λ-79.00000°. Principal axes: T 1.6900,Plg31.0000° ,Azm264.0000°; N 0.4900,Plg2.0000°,Azm173.0000°; P -2.1800,Plg57.0000°,Azm79.0000° $M_0$2.00000×10^{19} Moment Tensor Solution. $M_0$1.70000×10^{19} Moment Tensor Solution. $M_0$9.80000×10^{18}

GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 103 sta. Surface waves: sta=116, comp=304, per= 50. Moment Tensor Solution. s113,c299; s99,c234; Moment tensor: Scale 10^{19}Nm; M_{rr}-1.35±.01 $M_{\theta\theta}$0.49±.01; $M_{\phi\phi}$0.86±.01; $M_{r\theta}$-0.18±.01; $M_{\theta\phi}$0.13±.01; $M_{\phi r}$1.57±.01; Best double couple: NP1:ϕ_s14.00000°,δ18.00000° ,λ-75.00000°. NP2:ϕ_s178.00000°,δ73.00000°,λ-95.00000°. Principal axes: T 1.6700,Plg27.0000°,Azm272.0000°; N 0.5100,Plg5.0000°,Azm179.0000° ; P -2.1800,Plg62.0000°,Azm80.0000° $M_0$1.90000×10^{19}

(227) Eastern Honshu

ISC	**VII**	**24 02 27 53.7–.18**	**39.66N–.02**	**141.46E–.03**	**109**	**4.7b**	**342**	**0-145**
NIED	VII	24 02 27 00	39.60N	141.50E	110	5.1W		**¶13389952**
BJI	VII	24 02 27 51.1	39.61N	141.56E	117	5.6b,4.9b		
ISCJB	VII	24 02 27 52.5–.18	39.71N–.02	141.41E–.03	107	4.7b,4.9b		
IDC	VII	24 02 27 52.9–1.6	39.65N	141.49E	108–13	4.1s,4.1		
SZGRF	VII	24 02 27 52.7	39.85N	142.63E	104	4.9b,4.1		
MOS	VII	24 02 27 52.6–1.0	39.81N	141.31E	105	4.9b,4.1		
JMA	VII	24 02 27 53.9–.10	39.62N	141.52E	112–1	4.8,4.1		
NEIC	VII	24 02 27 54.0	39.62N	141.52E	112	5.1W,4.9b		
GCMT	VII	24 02 27 56.0–.40	39.80N	141.45E	130–6	5.2W,4.9b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ85.00000°,λ-92.00000°. NP2:ϕ_s49.00000°,δ5.00000°,λ-63.00000°. $M_0$5.37000×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=31.2.

IDC Error ellipse: s-maj=13.0km s-min=9.6km az=142.0.

SZGRF Near east coast of eastern Honshu, Japan.

MOS Error ellipse: s-maj=7.6km s-min=4.5km az=106.9.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s321.00000°,δ10.00000°,λ-158.00000°. NP2: ϕ_s209.00000°,δ86.00000°,λ-81.00000°. Principal axes: T Plg41.0000°,Azm291.0000° ; N Plg9.0000°,Azm29.0000°; P Plg48.0000°,Azm129.0000°

NEIC Event type fe. Recorded [3 JMA] in Aomori and Iwate; [2 JMA] in Miyagi; [1 JMA] in Akita and Fukushima. Also recorded [2 JMA] in southwestern Hokkaido. After JMA. Moment Tensor Solution. $M_0$5.40000×10^{16}

GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s13,c13; s67,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.85±.44 $M_{\theta\theta}$2.07±.50; $M_{\phi\phi}$-0.22±.56; $M_{r\theta}$1.90±.27; $M_{\theta\phi}$2.94±.47; $M_{\phi r}$6.32±.30; Best double couple: NP1:ϕ_s92.00000°,δ25.00000°,λ-19.00000°. NP2:ϕ_s200.00000°,δ82.00000°,λ-114.00000°. Principal axes: T 7.5400,Plg33.0000° ,Azm310.0000°; N -0.1000,Plg23.0000°,Azm203.0000°; P -7.4400,Plg48.0000° ,Azm85.0000° $M_0$7.50000×10^{16}

(296) Myanmar

ISC	**VII**	**27 22 42 08.0–.10**	**23.60N–.02**	**94.63E–.02**	**114**	**5.2b**	**938**	**1-162**
SZGRF	VII	27 22 41 54.9	22.48N	94.66E	116	5.6b		**¶13390277**
TEH	VII	27 22 42 04.8	23.57N	94.76E	112	5.6b		
BJI	VII	27 22 42 05.0	23.53N	94.50E	110	5.1b,5.1b		
NEIC	VII	27 22 42 05.5–.32	23.58N	94.64E	94–2	5.2b,5.1b		
MOS	VII	27 22 42 06.3–.87	23.59N	94.66E	115	5.2b,5.1b		
ISCJB	VII	27 22 42 06.0–.10	23.59N–.02	94.60E–.02	112	5.2b,5.1b		
IDC	VII	27 22 42 07.4–.57	23.57N	94.83E	112–4	5.0,4.9b		
LDG	VII	27 22 42 08.9–.42	23.75N	94.09E	112–0	5.1b,4.9b		
DJA	VII	27 22 42 09	23.36N	94.46E	113	5.6b,4.9b		
BGS	VII	27 22 42 11.5–1.2	24.05N	93.28E	90–0	5.1b,4.9b		

ISC Event type ke.

SZGRF Myanmar.

NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.5km az=219.0.

MOS Error ellipse: s-maj=8.4km s-min=3.3km az=128.8.

ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=34.7.

IDC Error ellipse: s-maj=10.9km s-min=7.6km az=66.0.

LDG Event type ke. Error ellipse: s-maj=26.7km s-min=16.9km az=13.0.

BGS Error ellipse: s-maj=234.5km s-min=259.7km az=-1.0.

(274) Southern Sumatera

ISC	**VII**	**28 07 10 03.6–.37**	**1.10S–.03**	**99.74E–.03**	**74–3**	**5.0b**	**383**	**1-159**
BJI	VII	28 07 09 56.5	1.94S	99.84E	90	5.1b,4.9s		**¶11153857**
MOS	VII	28 07 09 59.8–.99	1.06S	99.82E	55	5.4b,4.4s		
ISCJB	VII	28 07 10 01.6–.37	1.13S–.03	99.69E–.03	72–3	5.0b,4.4s		
IDC	VII	28 07 10 02.0–1.3	1.05S	99.85E	63–10	4.6,4.6		
DJA	VII	28 07 10 02.5–.30	1S–3.0	100E–4.0	61–3	5.9b,5.8		
GCMT	VII	28 07 10 03.5–.20	1.07S	99.65E	71–1	5.3W,5.8		
NEIC	VII	28 07 10 04.6–.90	1.07S	99.79E	84–7	5.1b,5.8		
SZGRF	VII	28 07 10 04.5	0.48S	98.61E	33	5.3b,4.5s		
TEH	VII	28 07 10 05.0	1.10S	99.77E	95	5.3b,4.5s		

ISC Event type fe.

MOS Error ellipse: s-maj=9.9km s-min=4.9km az=117.3.

ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.4km az=137.0.

IDC Error ellipse: s-maj=15.5km s-min=8.4km az=62.0.

GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s67,c104; s77,c130; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s84.00000°,δ55.00000°,λ-175.00000°. NP2:ϕ_s351.00000° ,δ86.00000°,λ-35.00000°. Principal axes: T 0.9600,Plg21.0000°,Azm43.0000° ; N 0.1500,Plg54.0000°,Azm165.0000°; P -1.1100,Plg27.0000°,Azm302.0000° $M_0$1.00000×10^{17}

NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=4.2km az=48.0. Felt [IV] at Padang and [II] at Padangpanjang, Sumatra. Also felt at Bukittinggi and Pariaman.

SZGRF Southern Sumatera, Indonesia.

(153) South Sandwich Islands region

ISC	**VII**	**30 20 15 12.6–.24**	**59.72S–.05**	**27.88W–.08**	**136**	**5.2b**	**86**	**14-173**
ISCJB	VII	30 20 15 10.8–.24	59.70S–.05	27.83W–.08	134	5.2b		**¶13390456**
NEIC	VII	30 20 15 11.5–.18	59.64S	27.81W	136	5.6b,5.6W		
IDC	VII	30 20 15 12.6–.39	59.70S	27.89W	141–3	4.8,4.8		
MOS	VII	30 20 15 13.2–.80	59.66S	27.59W	154	5.4b,4.8		
GCMT	VII	30 20 15 16.7–.10	60.04S	27.46W	145–0	5.5W,4.8		
BJI	VII	30 20 15 16.8	59.29S	28.56W	203	5.2b,4.8		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=15.0.

NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.7km az=197.0. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.78 $M_{\theta\theta}$2.63 $M_{\phi\phi}$0.15 $M_{r\theta}$-0.90 $M_{\theta\phi}$0.21 $M_{\phi r}$-0.90 Best double couple: NP1:ϕ_s278.00000°,δ37.00000°,λ-67.00000°. NP2:ϕ_s71.00000° ,δ57.00000°,λ-106.00000°. Principal axes: T 2.8200,Plg10.0000°,Azm172.0000° ; N 0.3300,Plg13.0000°,Azm79.0000°; P -3.1500,Plg73.0000°,Azm298.0000° $M_0$3.00000×10^{17}

IDC Error ellipse: s-maj=12.3km s-min=10.7km az=46.0.

MOS Error ellipse: s-maj=31.1km s-min=14.4km az=95.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=201, per= 50. Moment Tensor Solution. s89,c166; s30,c30; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.07±.03 $M_{\theta\theta}$1.16±.04; $M_{\phi\phi}$0.91±.04; $M_{r\theta}$-1.18±.03; $M_{\theta\phi}$0.79±.04; $M_{\phi r}$-1.16±.03; Best double couple: NP1:ϕ_s231.00000°,δ25.00000°,λ-86.00000°. NP2:ϕ_s47.00000°,δ65.00000°,λ-92.00000°. Principal axes: T 2.4400,Plg20.0000°,Azm138.0000°; N 0.2400,Plg2.0000°,Azm48.0000° ; P -2.6800,Plg70.0000°,Azm313.0000° $M_0$2.60000×10^{17}

(221) Kuril Islands

ISC	**VII**	**31 01 19 14.7–.28**	**45.95N–.03**	**149.18E–.02**	**150–3**	**4.6b**	**887**	**1-153**
NIED	VII	31 01 19 00	45.20N	149.40E	20	4.2W		**¶11154011**
BJI	VII	31 01 19 09.7	46.02N	149.92E	156	4.7b,4.5b		
SKHL	VII	31 01 19 13.2–1.9	45.73N	149.23E	164–14	6.3b,5.3s		
MOS	VII	31 01 19 13.7–.84	45.96N	149.26E	155	4.7b,5.3s		
ISCJB	VII	31 01 19 13.4–.29	45.89N–.03	149.27E–.02	155–3	4.6b,5.3s		
SZGRF	VII	31 01 19 14.2	48.76N	149.46E	33	4.6b,5.3s		
NEIC	VII	31 01 19 15.3–.48	45.97N	149.18E	156–4	4.7b,5.3s		
IDC	VII	31 01 19 15.7–2.1	46.09N	149.22E	158–18	4.2,4.2		
JMA	VII	31 01 19 17.0–.60	45.19N	149.40E	159	4.7,4.2		
BGS	VII	31 01 19 31.4–1.8	48.65N	147.30E	153–0	4.6b,4.2		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s283.00000°,δ76.00000°,λ135.00000°. NP2:ϕ_s26.00000°,δ47.00000°,λ19.00000°. $M_0$2.08000×10^{15}

MOS Error ellipse: s-maj=7.0km s-min=4.7km az=91.6.

ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.6km az=170.2.

SZGRF Northwest of Kuril Islands, Russia.

NEIC Event type se. Error ellipse: s-maj=5.7km s-min=2.6km az=172.0.

IDC Error ellipse: s-maj=16.0km s-min=10.4km az=160.0.

JMA Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.

BGS Error ellipse: s-maj=457.9km s-min=999.9km az=-1.0.

(249) Luzon

ISC	**VIII**	**01 10 35 24.8–.10**	**13.65N–.01**	**120.76E–.02**	**135**	**5.3b**	**671**	**0-171**
SZGRF	VIII	01 10 35 19.6	13.58N	122.24E	132	5.6b		**¶11154066**
BJI	VIII	01 10 35 20.9	13.36N	121.03E	140	5.2b,5.1b		
MOS	VIII	01 10 35 23.0–.97	13.63N	120.77E	134	5.3b,4.5s		
ISCJB	VIII	01 10 35 23.4–.10	13.66N–.01	120.75E–.02	133	5.3b,4.5s		
IDC	VIII	01 10 35 23.6–.34	13.55N	120.86E	133–2	4.9,4.9		
NEIC	VIII	01 10 35 24.3–.12	13.52N	120.76E	135	5.6W,5.5W		
MAN	VIII	01 10 35 24	13.60N	120.65E	117	5.7b,5.3s		
GCMT	VIII	01 10 35 24.8–.10	13.56N	120.77E	136–0	5.6W,5.3s		
DJA	VIII	01 10 35 29	13.60N	120.85E	182	5.6W,5.3s		

ISC Event type fe.

SZGRF Luzon, Philippine Islands.

MOS Error ellipse: s-maj=8.0km s-min=4.4km az=119.6.

ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=167.3.

IDC Error ellipse: s-maj=9.7km s-min=7.8km az=72.0.

NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.5km az=71.0. Felt [V] at Bacolod, Negros and [IV] at Iloilo, Panay. Felt [III PIVS] at Manila and San Fernando, Luzon. Also felt at Angeles and Batangas. Felt [II PIVS] at Puerto Galera, Mindoro. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}3.04 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-2.75 $M_{r\theta}$-0.39 $M_{\theta\phi}$1.36 $M_{\phi r}$-0.07 Best double couple: NP1:ϕ_s328.00000°,δ46.00000°,λ79.00000°. NP2:ϕ_s164.00000° ,δ45.00000°,λ101.00000°. Principal axes: T 3.1000,Plg82.0000°,Azm162.0000° ; N 0.2600,Plg7.0000°,Azm335.0000°; P -3.3600,Plg0.0000°,Azm65.0000° $M_0$3.20000×10^{17}

MAN Event type fe. INTENSITY III - MANILA CITY; SAN FERNANDO PAMPANGA; INTENSITY II - PUERTO GALERA.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=209, per= 50. Moment Tensor Solution. s98,c166; s27,c29; Moment tensor: Scale 10^{17}Nm; M_{rr}2.52±.03 $M_{\theta\theta}$-1.23±.04; $M_{\phi\phi}$-1.29±.05; $M_{r\theta}$-0.46±.03; $M_{\theta\phi}$1.45±.03; $M_{\phi r}$-0.60±.03; Best double couple: NP1:ϕ_s300.00000°,δ46.00000°,λ67.00000°. NP2:ϕ_s151.00000°,δ48.00000°,λ112.00000°. Principal axes: T 2.7400,Plg74.0000°,Azm132.0000°; N -0.0300,Plg16.0000°,Azm316.0000° ; P -2.7100,Plg1.0000°,Azm226.0000° $M_0$2.70000×10^{17}

(221) Kuril Islands

ISC	**VIII**	**04 04 42 15.7–.08**	**49.86N–.02**	**156.36E–.02**	**84**	**5.5b**	**1760**	**1-158**
BGS	VIII	04 04 42 10.9–1.4	49.79N	155.33E	40–0	5.7b		**¶11154150**
BJI	VIII	04 04 42 11.6	49.84N	156.29E	69	5.6b,5.6b		
IDC	VIII	04 04 42 12.1–1.8	49.98N	156.32E	50–14	5.2,5.2		
SZGRF	VIII	04 04 42 12.8	50.23N	156.31E	33	6.0b,5.0s		
KRSC	VIII	04 04 42 13.1–1.2	49.92N	157.26E	5–5	6.0L,5.0s		
ISCJB	VIII	04 04 42 13.5–.08	49.80N–.02	156.46E–.02	82	5.5b,5.0s		
DJA	VIII	04 04 42 14	50.17N	157.62E	118	5.4b,5.0s		
NEIC	VIII	04 04 42 14.8–.48	49.85N	156.38E	77–4	5.8W,5.7W		
MOS	VIII	04 04 42 16.0–1.0	50.10N	156.27E	102	5.7b,4.9s		
GCMT	VIII	04 04 42 18.3–.10	49.77N	156.70E	90–1	5.7W,4.9s		

ISC Event type fe.

BGS Error ellipse: s-maj=162.9km s-min=508.6km az=-1.0.

IDC Error ellipse: s-maj=14.2km s-min=9.4km az=155.0.

SZGRF Kuril Islands, Russia.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.4km az=169.9.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.0km az=171.0. Moment Tensor Solution. s147 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.88 $M_{\theta\theta}$0.54 $M_{\phi\phi}$0.34 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.43 $M_{\phi r}$4.32 Best double couple: NP1:ϕ_s189.00000°,δ86.00000°,λ-85.00000°. NP2:ϕ_s314.00000° ,δ6.00000°,λ-145.00000°. Principal axes: T 4.1000,Plg41.0000°,Azm273.0000° ; N 0.6800,Plg5.0000°,Azm8.0000°; P -4.7800,Plg48.0000°,Azm104.0000° $M_0$4.50000×10^{17}
MOS Event type fe. Error ellipse: s-maj=7.9km s-min=5.4km az=75.0. Felt (V) at Severo-Kuril'sk; (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=236, per= 50. Moment Tensor Solution. s102,c218; s52,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54±.06 $M_{\theta\theta}$-0.16±.06; $M_{\phi\phi}$0.69±.06; $M_{r\theta}$0.71±.04; $M_{\theta\phi}$-0.56±.06; $M_{\phi r}$4.86±.04; Best double couple: NP1:ϕ_s300.00000°,δ8.00000°,λ-158.00000°. NP2:ϕ_s188.00000°,δ87.00000°,λ-82.00000°. Principal axes: T 4.9800,Plg41.0000°,Azm271.0000°; N 0.0100,Plg8.0000°,Azm7.0000° ; P -4.9900,Plg48.0000°,Azm106.0000° $M_0$5.00000×10^{17}

(280) Banda Sea

ISC	**VIII**	**04 20 45 15.8–.30**	**5.93S–.02**	**130.31E–.02**	**188–2**	**6.0b**	**604**	**1-165**
BJI	VIII	04 20 45 07.1	6.33S	130.66E	160	6.0b,5.8b		¶13390864
TEH	VIII	04 20 45 10.0	5.91S	130.28E	118	6.0b,5.8b		
BGS	VIII	04 20 45 13.9–1.3	5.92S	130.20E	175–0	6.1b,5.8b		
IGIL	VIII	04 20 45 13.3	5.90S	130.27E	158	6.1b,5.8b		
NEIC	VIII	04 20 45 14.0–.08	5.92S	130.20E	174	6.3W,6.1b		
MOS	VIII	04 20 45 13.2–.86	5.90S	130.24E	177	6.2b,5.5s		
ISCJB	VIII	04 20 45 14.6–.30	5.94S–.02	130.31E–.02	192–2	5.9b,5.5s		
CASC	VIII	04 20 45 15.7–3.3	5.92S	130.20E	174–0	6.1b,5.5s		
IDC	VIII	04 20 45 15.2–.41	5.84S	130.27E	183–3	5.6,5.6		
DJA	VIII	04 20 45 16.2–.20	6S–3.0	130E–2.0	184–3	6.9,6.5b		
GCMT	VIII	04 20 45 19.7–.10	5.93S	130.47E	174–0	6.3W,6.5b		

ISC Event type fe.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=48.0. Felt [III] at Saumlaki and Tual, Indonesia. Also felt at Biak and Sorong. Felt [II] at Darwin, Australia. Moment Tensor Solution. s36 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.59 $M_{\theta\theta}$0.89 $M_{\phi\phi}$0.70 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.41 $M_{\phi r}$-0.54 Best double couple: NP1:ϕ_s238.00000°,δ37.00000°,λ-76.00000°. NP2:ϕ_s41.00000° ,δ55.00000°,λ-100.00000°. Principal axes: T 1.2800,Plg9.0000°,Azm138.0000° ; N 0.4300,Plg8.0000°,Azm46.0000°; P -1.7100,Plg77.0000°,Azm274.0000° $M_0$1.50000×10^{18}
MOS Error ellipse: s-maj=9.6km s-min=6.5km az=110.6.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=144.3.
CASC Error ellipse: s-maj=345.3km s-min=108.7km az=-1.0.
IDC Error ellipse: s-maj=9.0km s-min=5.9km az=59.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=109, comp=261, per= 50. Moment Tensor Solution. s112,c274; s95,c155; Moment tensor: Scale 10^{18}Nm; M_{rr}-2.87±.01 $M_{\theta\theta}$1.66±.02; $M_{\phi\phi}$1.22±.02; $M_{r\theta}$-0.19±.02; $M_{\theta\phi}$1.59±.02; $M_{\phi r}$-0.38±.02; Best double couple: NP1:ϕ_s232.00000°,δ41.00000°,λ-85.00000°. NP2:ϕ_s46.00000°,δ49.00000°,λ-95.00000°. Principal axes: T 3.0700,Plg4.0000°,Azm139.0000°; N -0.1600,Plg3.0000°,Azm49.0000° ; P -2.9100,Plg85.0000°,Azm277.0000° $M_0$3.00000×10^{18}

(116) Central Peru

ISC	**VIII**	**06 22 03 11.8–.21**	**14.17S–.04**	**72.93W–.04**	**94**	**4.8b**	**538**	**4-171**
NEIC	VIII	06 22 03 08.8–.75	14.15S	72.92W	68–6	4.9b		¶11158594
ISCJB	VIII	06 22 03 10.0–.20	14.14S–.04	73.08W–.04	92	4.8b		
BJI	VIII	06 22 03 11.0	14.10S	72.90W	87	5.7s,5.4		
IDC	VIII	06 22 03 11.3–.61	14.12S	73.00W	91–4	4.5,4.5		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.6km az=45.0. Felt [II] at Andahuaylas and Chalhuanca.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.5km az=33.8.
IDC Error ellipse: s-maj=17.8km s-min=9.3km az=46.0.

(248) Philippine Islands region

ISC	**VIII**	**08 22 05 17.1–.17**	**21.64N–.01**	**121.44E–.02**	**67–1**	**5.1b**	**738**	**0-175**
NIED	VIII	08 22 05 00	21.70N	121.50E	68	5.2W		¶11160015
MOS	VIII	08 22 05 11.3–.96	21.64N	121.51E	33	5.4b,4.2s		
DJA	VIII	08 22 05 13	22.28N	121.62E	81	5.6W,4.2s		
TAP	VIII	08 22 05 14.8	21.60N	121.40E	76–0	5.7L,4.2s		
BJI	VIII	08 22 05 14.9	21.71N	121.49E	60	4.9b,4.8b		
ISCJB	VIII	08 22 05 15.6–.18	21.61N–.01	121.46E–.02	70–1	5.1b,4.8b		
NEIC	VIII	08 22 05 16.0–.52	21.57N	121.52E	63–4	5.1b,4.8b		
GCMT	VIII	08 22 05 16.7–.30	21.67N	121.34E	68–4	5.0W,4.8b		
IDC	VIII	08 22 05 17.3–1.3	21.62N	121.59E	75–9	4.8,4.7		
JMA	VIII	08 22 05 17.5–.20	21.73N	121.54E	122	5.4,4.7		
SZGRF	VIII	08 22 05 22.2	24.50N	122.50E	33	5.2b,4.7		
MAN	VIII	08 22 05 30	20.57N	121.12E	28	5.6b,5.0s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s251.00000°,δ76.00000°,λ-80.00000°. NP2:ϕ_s37.00000°,δ17.00000°,λ-123.00000°. $M_0$6.66000×10^{16}
MOS Error ellipse: s-maj=8.0km s-min=4.4km az=115.7.
TAP C.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=1.8km az=13.4.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=4.0km az=106.0.
GCMT Event type se. Data Used: G IU CN II IC. Moment Tensor Solution. s24,c31; s68,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}0.06±.16 $M_{\theta\theta}$1.88±.13; $M_{\phi\phi}$-1.94±.14; $M_{r\theta}$2.13±.07; $M_{\theta\phi}$0.22±.11; $M_{\phi r}$-1.84±.09; Best double couple: NP1:ϕ_s41.00000°,δ34.00000°,λ179.00000°. NP2:ϕ_s132.00000°,δ89.00000°,λ56.00000°. Principal axes: T 3.4300,Plg36.0000° ,Azm12.0000°; N -0.0500,Plg34.0000°,Azm132.0000°; P -3.3900,Plg35.0000° ,Azm251.0000° $M_0$3.40000×10^{16}
IDC Error ellipse: s-maj=15.3km s-min=11.1km az=65.0.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
SZGRF Taiwan region.

(248) Philippine Islands region

ISC	**VIII**	**09 18 48 01.3–.47**	**8.56N–.02**	**126.94E–.04**	**62–4**	**4.9b**	**319**	**1-150**
IDC	VIII	09 18 47 52.9–.53	8.51N	126.81E	0	4.7,4.7		¶11160947
MAN	VIII	09 18 47 54	8.68N	127.17E	1	5.6b,4.9s		
MOS	VIII	09 18 47 56.1–1.0	8.44N	126.74E	33	5.2b,4.9s		
ISCJB	VIII	09 18 47 59.2–.51	8.55N–.02	126.97E–.04	59–4	4.9b,4.6s		
BJI	VIII	09 18 47 59.1	8.53N	126.79E	58	5.2b,4.9s		
DJA	VIII	09 18 47 59	8.68N	127.00E	30	5.0b,4.9s		
NEIC	VIII	09 18 47 59.6–.98	8.42N	126.77E	48–9	4.9b,4.9s		

ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=12.1km az=77.0.
MOS Error ellipse: s-maj=13.5km s-min=5.2km az=119.6.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=168.4.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.1km az=72.0.

(184) Santa Cruz Islands

ISC	**VIII**	**10 12 44 04.7–1.6**	**10.64S–.09**	**166.29E–.05**	**75–15**	**4.5b**	**119**	**6-165**
IDC	VIII	10 12 43 53.1–1.2	10.76S	166.63E	0	4.6,4.5		¶11167602
ISCJB	VIII	10 12 44 03.1–1.9	10.63S–.09	166.23E–.05	74–17	4.5b,4.5		
NEIC	VIII	10 12 44 04.9–1.1	10.59S	166.22E	79–10	4.6b,4.5		
BJI	VIII	10 12 44 05.6	10.13S	166.29E	80	5.5s,5.1		

ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=21.8km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=8.8km az=2.6.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.6km az=162.0.

(184) Santa Cruz Islands

ISC	**VIII**	**12 05 26 01.5–.74**	**11.47S–.03**	**166.20E–.03**	**68–6**	**5.2b**	**327**	**6-170**
MOS	VIII	12 05 25 55.8–1.2	11.27S	166.11E	33	5.3s,5.3b		¶11164782
NEIC	VIII	12 05 25 57.7–.17	11.43S	166.23E	38	5.9W,5.8W		
ISCJB	VIII	12 05 25 58.5–.96	11.46S–.03	166.16E–.03	55–8	5.3s,5.3b		
NOU	VIII	12 05 25 58.2–1.6	11.22S	166.35E	30–0	4.8L,4.4		
DJA	VIII	12 05 26 01	11.63S	166.23E	66	6.0W,4.4		
GCMT	VIII	12 05 26 01.7–.10	11.49S	165.99E	47–0	5.8W,4.4		
IDC	VIII	12 05 26 01.1–2.8	11.40S	166.25E	69–24	5.1s,5.1		
BJI	VIII	12 05 26 04.1	10.64S	166.09E	78	5.8b,5.4s		

ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=8.3km az=73.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=148.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s100.00000°,δ60.00000° ,λ90.00000°. NP2:ϕ_s280.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000° ,Azm10.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm190.0000° Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}8.71 $M_{\theta\theta}$-2.85 $M_{\phi\phi}$-5.86 $M_{r\theta}$0.42 $M_{\theta\phi}$2.99 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s332.00000°,δ46.00000°,λ95.00000°. NP2:ϕ_s145.00000° ,δ45.00000°,λ85.00000°. Principal axes: T 8.7500,Plg86.0000°,Azm319.0000° ; N -1.0400,Plg3.0000°,Azm148.0000°; P -7.7000,Plg0.0000°,Azm58.0000° $M_0$8.30000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.6km az=169.1.
NOU Error ellipse: s-maj=16.1km s-min=171.0km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=206, per= 50. Moment Tensor Solution. s107,c225; s66,c82; Moment tensor: Scale 10^{17}Nm; M_{rr}6.08±.06 $M_{\theta\theta}$-0.29±.05; $M_{\phi\phi}$-5.79±.05; $M_{r\theta}$-0.09±.05; $M_{\theta\phi}$1.75±.04; $M_{\phi r}$0.46±.05; Best double couple: NP1:ϕ_s163.00000°,δ43.00000°,λ89.00000°. NP2:ϕ_s344.00000°,δ47.00000°,λ91.00000°. Principal axes: T 6.1000,Plg88.0000°,Azm266.0000°; N 0.2200,Plg0.0000°,Azm164.0000° ; P -6.3200,Plg2.0000°,Azm74.0000° $M_0$6.20000×10^{17}
IDC Error ellipse: s-maj=14.3km s-min=10.5km az=149.0.

(221) Kuril Islands

ISC	**VIII**	**14 11 10 37.6–.25**	**43.94N–.02**	**147.55E–.02**	**75–2**	**5.4b**	**1566**	**1-153**
NIED	VIII	14 11 10 00	43.70N	147.60E	74	5.4W		¶13391719
BJI	VIII	14 11 10 29.4	43.97N	147.74E	25	5.3b,5.1b		
DJA	VIII	14 11 10 32	43.90N	147.77E	27	5.6b,5.1b		
ISCJB	VIII	14 11 10 35.9–.28	43.89N–.02	147.59E–.02	76–2	5.4b,5.1b		
NEIC	VIII	14 11 10 35.7–.53	43.98N	147.55E	59–4	5.4b,5.3W		
MOS	VIII	14 11 10 35.9–1.4	43.94N	147.58E	83	5.7b,4.5s		
PDG	VIII	14 11 10 36.8	44.00N	147.50E	60	5.7b,4.5s		
BGS	VIII	14 11 10 36.9–1.3	44.25N	147.87E	60–0	5.5b,4.5s		
JMA	VIII	14 11 10 37.0–.20	43.66N	147.64E	63	5.4,4.5s		
IDC	VIII	14 11 10 37.7–.47	43.94N	147.60E	77–4	5.4,5.4		
SKHL	VIII	14 11 10 37.4–.60	43.85N	147.63E	77–9	6.0b,5.8		
GCMT	VIII	14 11 10 38.8–.10	43.93N	147.66E	74–1	5.4W,5.8		
SZGRF	VIII	14 11 10 44.5	45.39N	145.77E	33	5.8b,4.9s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s250.00000°,δ79.00000°,λ-114.00000°. NP2:ϕ_s137.00000°,δ27.00000°,λ-25.00000°. $M_0$1.53000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=1.9km az=169.5.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=167.0. Recorded [3 JMA] in eastern Hokkaido. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s65.00000°,δ89.00000°,λ111.00000°. NP2: ϕ_s156.00000°,δ21.00000°,λ2.00000°. Principal axes: T 1.0800,Plg41.0000°,Azm354.0000° ; N 0.2900,Plg21.0000°,Azm244.0000°; P -1.3700,Plg40.0000°,Azm135.0000° $M_0$1.20000×10^{17}
MOS Event type fe. Error ellipse: s-maj=7.7km s-min=6.7km az=105.6. Felt (IV) at Malokuril'skoe; (III-IV) at Kuril'sk; (III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
PDG Event type ke.
BGS Error ellipse: s-maj=130.3km s-min=358.5km az=-1.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=10.6km s-min=8.8km az=131.0.
SKHL Event type fe. Felt (IV) at Malokurilskoe, (III-IV) at Kurilsk, (III) at Yushno-Kurilsk.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s79,c149; s97,c177; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56±.03 $M_{\theta\theta}$1.18±.03; $M_{\phi\phi}$-0.62±.03; $M_{r\theta}$1.26±.02; $M_{\theta\phi}$-0.38±.03; $M_{\phi r}$0.62±.02; Best double couple: NP1:ϕ_s139.00000°,δ32.00000°,λ-21.00000°. NP2:ϕ_s247.00000°,δ79.00000°,λ-121.00000°. Principal axes: T 1.8400,Plg27.0000° ,Azm1.0000°; N -0.1400,Plg30.0000°,Azm254.0000°; P -1.7100,Plg47.0000°,Azm125.0000° $M_0$1.80000×10^{17}
SZGRF Hokkaido, Japan, region.

(127) Chile-Argentina border region

ISC	**VIII**	**21 09 32 58.5–.19**	**25.17S–.04**	**68.61W–.04**	**109**	**5.3b**	**688**	**2-176**
GUC	VIII	21 09 32 56.5–.69	25.03S	68.79W	120–0	5.5L		¶11180596
ISCJB	VIII	21 09 32 56.9–.18	25.09S–.04	68.67W–.04	107	5.3b		
IDC	VIII	21 09 32 57.2–.38	25.32S	68.85W	103–3	4.9,4.8		
MOS	VIII	21 09 32 57.9–1.2	24.99S	68.67W	114	5.3b,4.8		
NEIC	VIII	21 09 32 57.6–.15	25.25S	68.70W	107	5.4W,5.3b		
GCMT	VIII	21 09 33 00.9–.20	25.29S	69.13W	118–1	5.3W,5.3b		
DJA	VIII	21 09 33 02	25.10S	68.62W	126	5.5b,5.3b		

ISC Event type fe.
GUC Error ellipse: s-maj=6.5km s-min=6.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.0km az=38.3.
IDC Error ellipse: s-maj=16.3km s-min=10.9km az=71.0.
MOS Error ellipse: s-maj=12.8km s-min=6.7km az=107.7.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=3.9km az=53.0. Felt [IV] at Diego de Almagro and El Salvador; [III] at Chanaral and Taltal; [II] at Copiapo. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.33 $M_{\theta\theta}$0.20 $M_{\phi\phi}$1.13 $M_{r\theta}$0.21 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.59 Best double couple: NP1:ϕ_s176.00000°,δ32.00000°,λ-83.00000°. NP2:ϕ_s347.00000° ,δ58.00000°,λ-95.00000°. Principal axes: T 1.2900,Plg13.0000°,Azm80.0000° ; N 0.1900,Plg3.0000°,Azm349.0000°; P -1.4800,Plg76.0000°,Azm243.0000° $M_0$1.40000×10^{17}
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s64,c93; s85,c136; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.92±.02 $M_{\theta\theta}$-0.18±.02; $M_{\phi\phi}$1.10±.02; $M_{r\theta}$0.06±.02; $M_{\theta\phi}$-0.25±.02; $M_{\phi r}$-0.23±.02; Best double couple: NP1:ϕ_s170.00000°,δ39.00000°,λ-89.00000°. NP2:ϕ_s348.00000°,δ51.00000°,λ-91.00000°. Principal axes: T 1.1700,Plg6.0000° ,Azm79.0000°; N -0.2300,Plg1.0000°,Azm349.0000°; P -0.9500,Plg83.0000°,Azm252.0000° $M_0$1.10000×10^{17}

(116) Central Peru

ISC	**VIII**	**22 21 03 26.3–.16**	**8.35S–.03**	**74.27W–.02**	**160**	**5.1b**	**983**	**4-168**
SZGRF	VIII	22 21 02 53.8	12.29S	75.48W	33	5.6b		¶13392350
BGS	VIII	22 21 03 22.8–1.6	8.62S	74.36W	149–0	5.3b		
NEIC	VIII	22 21 03 24.8–.54	8.36S	74.27W	149–4	5.2b		
ISCJB	VIII	22 21 03 24.4–.16	8.33S–.03	74.38W–.02	158	5.1b		
IDC	VIII	22 21 03 25.2–.37	8.31S	74.27W	154–2	4.8,4.8		
BJI	VIII	22 21 03 26.4	8.37S	74.92W	168	5.3b,4.8		
MOS	VIII	22 21 03 26.4–.74	8.00S	74.31W	162	5.3b,4.8		
GCMT	VIII	22 21 03 26.5–.20	8.37S	74.36W	158–1	5.2W,4.8		

ISC Event type fe.
SZGRF Central Peru.
BGS Error ellipse: s-maj=692.8km s-min=239.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=217.0. Felt [III] at Pucallpa.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.4km az=25.2.
IDC Error ellipse: s-maj=10.6km s-min=7.3km az=53.0.
MOS Error ellipse: s-maj=7.7km s-min=5.2km az=75.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c72; s80,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}2.04±.16 $M_{\theta\theta}$0.51±.18; $M_{\phi\phi}$-2.55±.21; $M_{r\theta}$2.48±.11; $M_{\theta\phi}$1.03±.20; $M_{\phi r}$-6.32±.14; Best double couple: NP1:ϕ_s351.00000°,δ10.00000°,λ103.00000°. NP2:ϕ_s159.00000°,δ80.00000°,λ88.00000°. Principal axes: T 6.8200,Plg55.0000° ,Azm66.0000°; N 0.8000,Plg2.0000°,Azm159.0000°; P -7.6200,Plg35.0000°,Azm251.0000° $M_0$7.20000×10^{16}

(221) Kuril Islands

ISC	**VIII**	**25 04 15 52.5–.36**	**46.80N–.04**	**150.44E–.03**	**157–4**	**4.4b**	**632**	**2-150**
BJI	VIII	25 04 15 48.7	46.80N	150.89E	155	4.8b,4.8b		¶11227280
SKHL	VIII	25 04 15 50.7–1.4	46.57N	150.72E	181–8	6.1b,5.1s		
ISCJB	VIII	25 04 15 51.0–.38	46.74N–.04	150.52E–.03	160–4	4.4b,5.1s		
MOS	VIII	25 04 15 52.1–1.0	46.82N	150.49E	171	4.4b,5.1s		
IDC	VIII	25 04 15 55.0–.87	46.89N	150.45E	182–7	4.1,4.1		
JMA	VIII	25 04 15 55.0–.60	45.81N	150.88E	171	4.7,4.1		
NEIC	VIII	25 04 15 57.0–1.1	46.92N	150.41E	198–11	4.4b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.1km az=161.7.
MOS Error ellipse: s-maj=8.9km s-min=6.0km az=84.5.
IDC Error ellipse: s-maj=13.4km s-min=8.3km az=153.0.
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.4km az=171.0.

(112) Peru-Brazil border region

ISC	**VIII**	**26 21 00 36.7–.10**	**7.66S–.02**	**74.37W–.02**	**154**	**5.8b**	**1597**	**4-177**
BGS	VIII	26 21 00 32.5–1.4	8.45S	74.46W	154–0	5.6b		¶11208051
ISCJB	VIII	26 21 00 34.9–.10	7.64S–.02	74.47W–.02	152	5.8b		
BJI	VIII	26 21 00 35.6	7.60S	74.40W	154	6.2b		
MOS	VIII	26 21 00 35.3–.91	7.51S	74.50W	151	5.8b,5.4s		
NEIC	VIII	26 21 00 36.6–.10	7.64S	74.38W	154	6.4W,6.4W		
IDC	VIII	26 21 00 37.0–.27	7.59S	74.39W	157–2	5.6,5.6		
SZGRF	VIII	26 21 00 37.0	8.97S	72.38W	140	5.6,5.6		
DJA	VIII	26 21 00 38	7.92S	74.32W	149	6.5b,5.6		
GCMT	VIII	26 21 00 40.2–.10	7.76S	74.49W	158–0	6.4W,5.6		

ISC Event type fe.
BGS Error ellipse: s-maj=405.3km s-min=181.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=30.8.
MOS Error ellipse: s-maj=6.0km s-min=4.0km az=72.4.

NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=38.0. Felt [IV] at Pucallpa and [II] at Lima. Also felt at Bagua Grande, Banos, Bellavista, Campoverde, Chachapoyas, Chimbote, Contamana, Huancayo, Huanuco, Iquitos, Moyobamba, Santiago de Chuco, Saposoa, Soritor, Tarapoto, Tarma, Tingo Maria, Tocache, Trujillo and Yurimaguas. Felt at Ambato, Banos, Eloy Alfaro, Guayaquil and Quito, Ecuador. Also felt at Cruzeiro do Sul, Eirunepe, Tabatinga and Tarauaca, Brazil. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s5.00000°,δ45.00000°,λ-90.00000°. NP2: ϕ_s185.00000°,δ45.00000°,λ-90.00000°. Principal axes: T Plg0.0000°,Azm95.0000° ; N Plg0.0000°,Azm0.0000°; P Plg90.0000°,Azm0.0000° Moment Tensor Solution. s172 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.66 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$3.95 $M_{r\theta}$1.17 $M_{\theta\phi}$0.30 $M_{\phi r}$-1.64 Best double couple: NP1:ϕ_s201.00000°,δ36.00000°,λ-62.00000°. NP2:ϕ_s347.00000° ,δ59.00000°,λ-109.00000°. Principal axes: T 4.2900,Plg11.0000°,Azm90.0000° ; N 0.0700,Plg16.0000°,Azm357.0000°; P -4.3600,Plg69.0000°,Azm214.0000° M_o4.30000×10^{18} Moment Tensor Solution. M_o4.00000×10^{18}

IDC Error ellipse: s-maj=8.8km s-min=5.3km az=79.0.

SZGRF Peru-Brazil border region.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=274, per= 50. Moment Tensor Solution. s116,c283; s87,c170; Moment tensor: Scale 10^{18}Nm; M_{rr}-4.07±.02 $M_{\theta\theta}$-0.34±.03; $M_{\phi\phi}$4.41±.03; $M_{r\theta}$1.59±.02; $M_{\theta\phi}$0.02±.03; $M_{\phi r}$-1.44±.02; Best double couple: NP1:ϕ_s198.00000°,δ39.00000°,λ-60.00000°. NP2:ϕ_s341.00000°,δ57.00000°,λ-112.00000°. Principal axes: T 4.6600,Plg10.0000°,Azm87.0000°; N 0.1900,Plg18.0000°,Azm354.0000° ; P -4.8600,Plg69.0000°,Azm204.0000° M_o4.80000×10^{18}

(207) Eastern New Guinea region

ISC	**VIII**	**30 06 54 07.2–.57**	**6.14S–.02**	**147.37E–.02**	**68–5**	**6.1b**	**675**	**3-168**
BJI	VIII	30 06 54 02.7	6.19S	147.91E	75	6.3b,6.1s		¶13392935
MOS	VIII	30 06 54 02.0–1.2	5.99S	147.25E	33	6.3b,5.9s		
ISCJB	VIII	30 06 54 03.6–.61	6.13S–.02	147.33E–.02	51–5	6.2b,5.9s		
DJA	VIII	30 06 54 04	6.12S	147.79E	44	6.8W,5.9s		
IDC	VIII	30 06 54 06.0–.87	6.12S	147.27E	56–6	5.8,5.8		
TEH	VIII	30 06 54 06.0	6.19S	147.26E	56	5.8,5.8		
NEIC	VIII	30 06 54 07.6–.10	6.15S	147.26E	75	6.3W,6.3W		
GCMT	VIII	30 06 54 14.2–.10	6.33S	147.49E	88–0	6.4W,6.3W		

ISC Event type fe.

MOS Error ellipse: s-maj=7.4km s-min=5.0km az=94.6.

ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.0km az=15.0.

IDC Error ellipse: s-maj=10.2km s-min=7.5km az=82.0.

NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=4.1km az=87.0. Felt at Goroka, Lae, Madang, Mount Hagen and Port Moresby. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s95 Moment tensor: Scale 10^{18}Nm; M_{rr}1.15 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-2.32 $M_{r\theta}$2.24 $M_{\theta\phi}$-1.19 $M_{\phi r}$0.06 Best double couple: NP1:ϕ_s56.00000°,δ72.00000°,λ137.00000°. NP2:ϕ_s162.00000° ,δ50.00000°,λ24.00000°. Principal axes: T 3.5100,Plg42.0000°,Azm10.0000° ; N -0.6500,Plg44.0000°,Azm217.0000°; P -2.8600,Plg13.0000°,Azm113.0000° M_o3.20000×10^{18} Moment Tensor Solution. M_o2.90000×10^{18}

GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=117, comp=288, per= 50. Moment Tensor Solution. s117,c294; s91,c155; Moment tensor: Scale 10^{18}Nm; M_{rr}0.59±.03 $M_{\theta\theta}$3.18±.03; $M_{\phi\phi}$-3.77±.03; $M_{r\theta}$2.87±.02; $M_{\theta\phi}$-2.24±.02; $M_{\phi r}$0.26±.02; Best double couple: NP1:ϕ_s156.00000°,δ59.00000°,λ13.00000°. NP2:ϕ_s59.00000°,δ79.00000°,λ148.00000°. Principal axes: T 5.3800,Plg30.0000°,Azm13.0000°; N -0.6900,Plg57.0000°,Azm222.0000° ; P -4.6800,Plg13.0000°,Azm111.0000° M_o5.00000×10^{18}

(159) North Island

ISC	**IX**	**01 01 21 49.9–.16**	**39.18S–.02**	**175.89E–.03**	**92–1**	**5.2b**	**295**	**0-179**
BJI	IX	01 01 21 47.8	39.10S	175.90E	50	5.5b,5.4b		¶13393097
ISCJB	IX	01 01 21 48.9–.16	39.17S–.02	175.87E–.03	99–1	5.2b,5.4b		
WEL	IX	01 01 21 50.9–.10	39.11S	175.89E	85–1	5.8L,5.4b		
NEIC	IX	01 01 21 50.9	39.11S	175.89E	51	5.8L,5.2b		
IDC	IX	01 01 21 51.4–.89	38.89S	175.95E	107–9	4.8,4.7		
GCMT	IX	01 01 21 52.5–.30	39.14S	175.88E	96–2	5.2W,4.7		
DJA	IX	01 01 22 07	39.30S	175.06E	214	5.2b,4.7		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=22.7.

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0. Felt between Auckland, Otago and Gisborne, maximum reported intensity MM 5.

NEIC Event type fe. Felt [IV] at Hastings, Havelock North, Napier, Palmerston North, Taradale, Taupo, Wanganui and Wellington. Felt throughout the central part of the North Island and in parts of the South Island. After WEL.

IDC Error ellipse: s-maj=16.7km s-min=13.5km az=32.0.

GCMT Event type se. Data Used: IU II CN IC G. Surface waves: sta= 63, comp= 91, per= 50. Moment Tensor Solution. s38,c55; s1,c1; Moment tensor: Scale 10^{16}Nm; M_{rr}0.19±.24 $M_{\theta\theta}$7.64±.26; $M_{\phi\phi}$-7.83±.24; $M_{r\theta}$2.56±.18; $M_{\theta\phi}$-0.37±.23; $M_{\phi r}$-2.49±.17; Best double couple: NP1:ϕ_s46.00000°,δ65.00000°,λ179.00000°. NP2:ϕ_s137.00000°,δ89.00000°,λ25.00000°. Principal axes: T 8.5100,Plg18.0000°,Azm4.0000°; N 0.0300,Plg65.0000°,Azm140.0000° ; P -8.5500,Plg16.0000°,Azm269.0000° M_o8.50000×10^{16}

(171) South of Fiji Islands

ISC	**IX**	**01 04 00 39.5–.12**	**25.46S–.04**	**177.68W–.02**	**170**	**5.7b**	**961**	**9-170**
MOS	IX	01 04 00 34.5–.87	25.31S	177.61W	138	5.7b,5.5s		¶13393103
ISCJB	IX	01 04 00 37.8–.12	25.46S–.04	177.73W–.02	168	5.7b,5.5s		
IDC	IX	01 04 00 37.0–.87	25.34S	177.62W	149–6	5.5,5.5		
DJA	IX	01 04 00 37	25.51S	177.46W	161	6.1W,5.5		
BJI	IX	01 04 00 38.1	25.12S	177.76W	162	6.0b,5.7b		
NEIC	IX	01 04 00 39.4–.09	25.39S	177.64W	171	6.0W,6.0W		
GCMT	IX	01 04 00 40.8–.10	25.51S	177.25W	172–0	6.0W,6.0W		

ISC Event type se.

MOS Error ellipse: s-maj=10.7km s-min=9.6km az=168.8.

ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.5km az=163.7.

IDC Error ellipse: s-maj=9.7km s-min=8.5km az=32.0.

NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=159.0. Moment Tensor Solution. s53 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s130.00000°,δ14.00000°,λ177.00000°. NP2:ϕ_s223.00000° ,δ89.00000°,λ76.00000°. Principal axes: T 1.1000,Plg44.0000°,Azm119.0000° ; N 0.2700,Plg14.0000°,Azm223.0000°; P -1.3700,Plg42.0000°,Azm326.0000° M_o1.30000×10^{18}

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=118, comp=259, per= 50. Moment Tensor Solution. s109,c249; s81,c114; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s109.00000° ,δ15.00000°,λ159.00000°. NP2:ϕ_s220.00000°,δ85.00000°,λ76.00000°. Principal axes: T 1.0800,Plg49.0000°,Azm115.0000°; N 0.2500,Plg14.0000°,Azm221.0000° ; P -1.3300,Plg38.0000°,Azm323.0000° M_o1.20000×10^{18}

(263) Talaud Islands

ISC	**IX**	**01 17 19 11.9–.12**	**4.52N–.02**	**126.16E–.02**	**112**	**5.6b**	**614**	**2-167**
MOS	IX	01 17 19 10.3–1.1	4.63N	126.05E	103	5.6b,4.5s		¶13393148
ISCJB	IX	01 17 19 10.2–.12	4.54N–.02	126.16E–.02	109	5.6b,4.5s		
BJI	IX	01 17 19 10.0	4.35N	126.16E	123	5.4b,5.3b		
IDC	IX	01 17 19 11.7–.53	4.55N	126.08E	106–4	5.2,5.2		
NEIC	IX	01 17 19 11.7–.12	4.54N	126.04E	109	5.7b,5.5W		
GCMT	IX	01 17 19 12.3–.10	4.59N	126.17E	114–1	5.6W,5.5W		
SZGRF	IX	01 17 19 12.6	4.60N	126.10E	114	5.6W,5.5W		
TEH	IX	01 17 19 13.0	4.57N	126.15E	122	5.6W,5.5W		
MAN	IX	01 17 19 13	4.53N	126.03E	102	6.0b,5.6s		
DJA	IX	01 17 19 13	4.52N	126.23E	124	5.9W,5.6s		

ISC Event type fe.

MOS Error ellipse: s-maj=8.0km s-min=4.7km az=108.6.

ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=4.0.

IDC Error ellipse: s-maj=11.8km s-min=8.7km az=70.0.

NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.5km az=65.0. Felt [II] on Pulau Sangihe. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.11 $M_{\theta\theta}$0.13 $M_{\phi\phi}$0.97 $M_{r\theta}$-0.75 $M_{\theta\phi}$-0.21 $M_{\phi r}$2.09 Best double couple: NP1:ϕ_s161.00000°,δ77.00000°,λ-92.00000°. NP2:ϕ_s351.00000°,δ13.00000°,λ-80.00000°. Principal axes: T 2.4200,Plg32.0000° ,Azm252.0000°; N 0.0900,Plg2.0000°,Azm161.0000°; P -2.5100,Plg57.0000°,Azm67.0000° M_o2.50000×10^{17}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=199, per= 50. Moment Tensor Solution. s100,c184; s19,c19; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.78±.04 $M_{\theta\theta}$-0.47±.04; $M_{\phi\phi}$1.25±.04; $M_{r\theta}$-1.15±.02; $M_{\theta\phi}$-0.36±.04; $M_{\phi r}$2.22±.03; Best double couple: NP1:ϕ_s17.00000°,δ15.00000°,λ-46.00000°. NP2:ϕ_s152.00000°,δ79.00000°,λ-100.00000°. Principal axes: T 2.9400,Plg34.0000°,Azm251.0000°; N -0.4100,Plg10.0000°,Azm154.0000° ; P -2.5200,Plg54.0000°,Azm49.0000° M_o2.70000×10^{17}

SZGRF Talaud Islands, Indonesia.

(184) Santa Cruz Islands

ISC	**IX**	**04 09 37 04.0–.09**	**12.21S–.02**	**167.07E–.02**	**272**	**5.4b**	**850**	**8-170**
IDC	IX	04 09 37 01.9–.48	12.17S	167.08E	255–4	5.1,5.1		¶13393405
MOS	IX	04 09 37 02.4–1.2	11.99S	167.08E	261	5.6b,4.3s		
BJI	IX	04 09 37 02.8	11.88S	167.01E	264	5.2b,5.2b		
ISCJB	IX	04 09 37 02.4–.09	12.26S–.02	167.03E–.02	270	5.4b,5.2b		
NEIC	IX	04 09 37 04.0–.11	12.14S	167.10E	272	5.7W,5.6W		
GCMT	IX	04 09 37 05.6–.10	12.17S	167.04E	261–0	5.7W,5.6W		

ISC Event type se.

IDC Error ellipse: s-maj=7.9km s-min=6.9km az=121.0.

MOS Error ellipse: s-maj=7.6km s-min=6.7km az=74.8.

ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.6km az=44.2.

NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.5km az=157.0. Moment Tensor Solution. s51 Moment tensor: Scale 10^{17}Nm; M_{rr}4.27 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-4.08 $M_{r\theta}$1.19 $M_{\theta\phi}$-0.43 $M_{\phi r}$-1.54 Best double couple: NP1:ϕ_s20.00000°,δ37.00000°,λ114.00000°. NP2:ϕ_s171.00000° ,δ56.00000°,λ73.00000°. Principal axes: T 4.8500,Plg72.0000°,Azm36.0000° ; N -0.4900,Plg14.0000°,Azm180.0000°; P -4.3700,Plg9.0000°,Azm273.0000° M_o4.60000×10^{17}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=213, per= 50. Moment Tensor Solution. s99,c193; s44,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}2.80±.04 $M_{\theta\theta}$-0.19±.04; $M_{\phi\phi}$-2.62±.04; $M_{r\theta}$1.62±.05; $M_{\theta\phi}$-1.25±.04; $M_{\phi r}$-1.73±.04; Best double couple: NP1:ϕ_s47.00000°,δ42.00000°,λ134.00000°. NP2:ϕ_s174.00000°,δ62.00000°,λ58.00000°. Principal axes: T 4.1600,Plg60.0000°,Azm36.0000°; N -0.8200,Plg28.0000°,Azm190.0000° ; P -3.3400,Plg11.0000°,Azm286.0000° M_o3.80000×10^{17}

(710) Pakistan

ISC	**IX**	**05 04 57 52.7–.08**	**36.52N–.01**	**71.29E–.01**	**231**	**5.3b**	**1442**	**3-150**
BGS	IX	05 04 57 30.4–1.5	35.73N	72.06E	170–0	5.5b		¶11232747
SZGRF	IX	05 04 57 44.8	35.91N	72.27E	228	5.9b		
MOS	IX	05 04 57 51.0–.94	36.58N	71.24E	222	5.5b		
IGIL	IX	05 04 57 51.7	36.56N	71.22E	219	5.3b		
BJI	IX	05 04 57 51.4	36.67N	71.26E	226	5.3b,5.0b		
ISCJB	IX	05 04 57 51.0–.08	36.49N–.01	71.24E–.01	229	5.3b,5.0b		
IDC	IX	05 04 57 52.3–.34	36.48N	71.30E	236–2	5.0b,5.0		
NEIC	IX	05 04 57 52.6–.12	36.54N	71.29E	230	5.3b,5.3W		
GCMT	IX	05 04 57 53.2–.10	36.52N	71.12E	225–1	5.4W,5.3W		
DJA	IX	05 04 57 54	36.25N	71.22E	230	5.3b,5.3W		
NNC	IX	05 04 57 58.4–3.0	37.13N	71.26E	233–23	6.1,4.8b		

ISC Event type fe.

BGS Error ellipse: s-maj=300.1km s-min=359.8km az=-1.0.

SZGRF Pakistan.

MOS Error ellipse: s-maj=6.5km s-min=4.3km az=121.5.

ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.4km az=19.0.

IDC Error ellipse: s-maj=6.9km s-min=5.4km az=171.0.

NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=184.0. Felt at Jalalabad and Kabul. Also felt at Khorugh, Tajikistan and at Abbotabad, Chitral, Islamabad, Lahore, Malakand, Mingora and Muzzafarabad, Pakistan. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s26.00000°,δ74.00000°,λ102.00000°. NP2:ϕ_s168.00000° ,δ20.00000°,λ53.00000°. Principal axes: T 1.2000,Plg58.0000°,Azm313.0000° ; N -0.3300,Plg11.0000°,Azm202.0000°; P -0.8700,Plg28.0000°,Azm106.0000° M_o1.10000×10^{17}

GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s70,c100; s95,c173; Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.02 $M_{\theta\theta}$-0.40±.03; $M_{\phi\phi}$-0.84±.03; $M_{r\theta}$0.81±.02; $M_{\theta\phi}$-0.55±.02; $M_{\phi r}$0.67±.03; Best double couple: NP1:ϕ_s205.00000°,δ26.00000°,λ72.00000°. NP2:ϕ_s44.00000°,δ65.00000°,λ98.00000°. Principal axes: T 1.6500,Plg68.0000° ,Azm331.0000°; N -0.0700,Plg8.0000°,Azm221.0000°; P -1.5800,Plg20.0000° ,Azm128.0000° M_o1.60000×10^{17}

NNC Error ellipse: s-maj=26.2km s-min=18.1km az=18.0.

(184) Santa Cruz Islands

ISC	**IX**	**05 12 35 44.4–.12**	**13.26S–.02**	**166.83E–.03**	**148**	**5.1b**	**345**	**8-170**
LDG	IX	05 12 35 39.8–.17	12.96S	167.18E	120–0	5.6b,4.5s		¶13393493
NOU	IX	05 12 35 40.0–.84	12.90S	166.83E	30–0	4.5L,4.2		
BJI	IX	05 12 35 41.3	12.85S	166.90E	123	5.5b,5.3b		
ISCJB	IX	05 12 35 42.8–.13	13.23S–.02	166.76E–.03	146	5.1b,5.3b		
IDC	IX	05 12 35 43.1–.61	13.30S	166.93E	141–4	4.8,4.8		
NEIC	IX	05 12 35 43.5–.15	13.27S	166.97E	147	5.6W,5.3b		
MOS	IX	05 12 35 45.2–1.2	13.17S	166.84E	165	5.2b,4.6s		
GCMT	IX	05 12 35 46.2–.10	13.24S	166.83E	155–0	5.6W,4.6s		
TEH	IX	05 12 35 48.0	13.27S	166.81E	173	5.6W,4.6s		

ISC Event type ke.

LDG Event type ke. Error ellipse: s-maj=24.5km s-min=7.5km az=88.0.

NOU Error ellipse: s-maj=6.7km s-min=90.0km az=-1.0.

ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=23.6.

IDC Error ellipse: s-maj=10.4km s-min=9.1km az=144.0.

NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.5km az=140.0. Moment Tensor Solution. s50 Moment tensor: Scale 10^{17}Nm; M_{rr}3.21 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-2.77 $M_{r\theta}$-0.39 $M_{\theta\phi}$-0.62 $M_{\phi r}$-0.49 Best double couple: NP1:ϕ_s10.00000°,δ40.00000°,λ84.00000°. NP2:ϕ_s198.00000° ,δ50.00000°,λ95.00000°. Principal axes: T 3.2800,Plg83.0000°,Azm142.0000° ; N -0.3100,Plg4.0000°,Azm14.0000°; P -2.9800,Plg5.0000°,Azm284.0000° M_o3.10000×10^{17}

MOS Error ellipse: s-maj=8.7km s-min=7.4km az=111.2.

GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=102, comp=210, per= 50. Moment Tensor Solution. s98,c167; s26,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}2.65±.03 $M_{\theta\theta}$-0.46±.04; $M_{\phi\phi}$-2.19±.04; $M_{r\theta}$-0.23±.03; $M_{\theta\phi}$-0.48±.05; $M_{\phi r}$-1.27±.03; Best double couple: NP1:ϕ_s16.00000°,δ31.00000°,λ93.00000°. NP2:ϕ_s193.00000°,δ59.00000°,λ88.00000°. Principal axes: T 2.9700,Plg76.0000°,Azm98.0000°; N -0.3400,Plg1.0000°,Azm193.0000° ; P -2.6300,Plg14.0000°,Azm284.0000° M_o2.80000×10^{17}

(718) Hindu Kush region

ISC	**IX**	**06 05 47 40.0–.07**	**36.45N–.01**	**70.92E–.01**	**192**	**5.5b**	**1852**	**2-151**
DJA	IX	06 05 47 21	36.66N	71.44E	10	6.7W		¶13393558
NNC	IX	06 05 47 34.3–8.6	36.62N	69.91E	108–111	6.9,6.2b		
TEH	IX	06 05 47 38.0	36.56N	71.01E	174	6.9,6.2b		
ISCJB	IX	06 05 47 38.4–.07	36.45N–.01	70.89E–.01	190	5.7b,6.2b		
BJI	IX	06 05 47 38.6	36.65N	70.85E	192	5.8b,5.6b		
NEIC	IX	06 05 47 39.9–.11	36.49N	70.93E	192	6.3,5.8W		
SZGRF	IX	06 05 47 39.2	36.48N	71.10E	191	5.9b,5.8W		
IDC	IX	06 05 47 39.8–.36	36.49N	71.00E	196–3	5.4,5.4		
MOS	IX	06 05 47 39.0–.97	36.57N	70.96E	196	5.6b,4.9s		
BGS	IX	06 05 47 41.0–1.7	36.57N	70.57E	190–0	5.5b,4.9s		
GCMT	IX	06 05 47 41.1–.10	36.49N	70.78E	183–0	5.8W,4.9s		

ISC Event type se.

NNC Error ellipse: s-maj=59.5km s-min=46.3km az=19.0.

ISCJB Event type se. Error ellipse: s-maj=1.7km s-min=1.2km az=21.5.

NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=182.0. Felt [IV] at Jalalabad and [III] at Bagrami, Charikar and Kabul. Also felt at Baghran, Mahmud-e Raqi, Nuristan and Sarawbi. Felt [IV] at Islamabad, Pakistan. Also felt at Abbottabad, Chitral, Lahore, Peshawar, Rawalpindi, Sialkot and Topi. Felt [III] at Tashkent, Uzbekistan. Also felt at Chandigarh, India; Doda, Punch and Rajouri, Kashmir; Dushanbe, Tajikistan. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000°,δ60.00000° ,λ90.00000°. NP2:ϕ_s55.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000° ,Azm145.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm325.0000° Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}3.52 $M_{\theta\theta}$-2.76 $M_{\phi\phi}$-0.76 $M_{r\theta}$-4.10 $M_{\theta\phi}$-0.08 $M_{\phi r}$-1.76 Best double couple: NP1:ϕ_s92.00000°,δ19.00000°,λ110.00000°. NP2:ϕ_s251.00000° ,δ73.00000°,λ83.00000°. Principal axes: T 5.9000,Plg61.0000°,Azm151.0000° ; N -0.9300,Plg6.0000°,Azm253.0000°; P -4.9700,Plg27.0000°,Azm346.0000° M_o5.50000×10^{17}

SZGRF Afghanistan-Tajikistan border region.

IDC Error ellipse: s-maj=7.6km s-min=5.5km az=177.0.

MOS Error ellipse: s-maj=5.1km s-min=2.7km az=131.5.

BGS Error ellipse: s-maj=306.4km s-min=378.5km az=-1.0.

GCMT Event type se. Data Used: II IU IC CN. Surface waves: sta=104, comp=245, per= 50. Moment Tensor Solution. s86,c174; s58,c66; Moment tensor: Scale 10^{17}Nm; M_{rr}4.25±.07 $M_{\theta\theta}$-3.84±.08; $M_{\phi\phi}$-0.41±.08; $M_{r\theta}$-5.30±.06; $M_{\theta\phi}$-0.76±.08; $M_{\phi r}$-2.14±.06; Best double couple: NP1:ϕ_s85.00000°,δ18.00000°,λ104.00000°. NP2:ϕ_s250.00000°,δ72.00000°,λ85.00000°. Principal axes: T 7.2100,Plg63.0000°,Azm153.0000°; N -0.3300,Plg4.0000°,Azm251.0000° ; P -6.8800,Plg27.0000°,Azm344.0000° M_o7.10000×10^{17}

(183) Santa Cruz Islands region

ISC	**IX**	**08 18 52 09.0–.07**	**13.52S–.02**	**166.99E–.02**	**125**	**6.5b**	**1026**	**8-170**
DJA	IX	08 18 52 00	13.69S	167.86E	102	7.5W		¶12951941
SZGRF	IX	08 18 52 03.9	11.86S	168.16E	33	6.7b		
NOU	IX	08 18 52 05.2–1.2	13.18S	167.50E	30–0	6.7b		
NEIC	IX	08 18 52 07.0–.07	13.50S	166.97E	110	6.9W,6.9W		
ISCJB	IX	08 18 52 07.3–.07	13.53S–.02	166.93E–.02	123	6.5b,6.9W		
MOS	IX	08 18 52 07.7–.76	13.49S	166.93E	127	6.5s,6.5b		

IDC IX 08 18 52 08.1–.45 13.54S 166.96E 116–3 6.4s,6.4
TEH IX 08 18 52 08.0 13.51S 166.97E 122 6.4s,6.4
IGIL IX 08 18 52 09.2 13.51S 166.97E 122 6.7s,6.4
BJI IX 08 18 52 09.5 13.03S 167.01E 129 7.2b,6.7b
GCMT IX 08 18 52 14.4–.00 13.37S 166.75E 125–0 6.9W,6.7b
ISC Event type fe.
SZGRF Santa Cruz Islands region.
NOU Error ellipse: s-maj=11.7km s-min=87.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=152.0. Felt at Honiara, Solomon Islands. Two events about 6 seconds apart. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s180.00000° ,δ45.00000°,λ90.00000°. NP2:ϕ_s0.00000°,δ45.00000°,λ90.00000°. Principal axes: T Plg90.0000°,Azm0.0000°; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm90.0000° Moment Tensor Solution. s95 Moment tensor: Scale 10^{19}Nm; M_{rr}3.25 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-2.93 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.02 $M_{\phi r}$0.01 Best double couple: NP1:ϕ_s1.00000°,δ45.00000°,λ91.00000°. NP2: ϕ_s180.00000°,δ45.00000°,λ89.00000°. Principal axes: T 3.2500,Plg89.0000°,Azm353.0000° ; N -0.3200,Plg0.0000°,Azm180.0000°; P -2.9300,Plg0.0000°,Azm90.0000° $M_0$3.10000×10^{19} Moment Tensor Solution. $M_0$3.50000×10^{19}
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.1km az=42.8.
MOS Error ellipse: s-maj=7.0km s-min=6.4km az=137.2.
IDC Error ellipse: s-maj=8.8km s-min=8.5km az=36.0.
GCMT Event type se. Data Used: II IU IC G. LP body wave period 50 sec. Mantle waves from 107 sta. Surface waves: sta=110, comp=284, per= 50. Moment Tensor Solution. s108,c280; s99,c249; Moment tensor: Scale 10^{19}Nm; M_{rr}3.21±.01 $M_{\theta\theta}$-0.42±.01; $M_{\phi\phi}$-2.79±.01; $M_{r\theta}$-0.16±.01; $M_{\theta\phi}$-0.10±.01; $M_{\phi r}$-0.59±.01; Best double couple: NP1:ϕ_s0.00000°,δ39.00000° ,λ87.00000°. NP2:ϕ_s185.00000°,δ51.00000°,λ93.00000°. Principal axes: T 3.2700,Plg84.0000°,Azm112.0000°; N -0.4200,Plg2.0000°,Azm3.0000° ; P -2.8500,Plg6.0000°,Azm273.0000° $M_0$3.10000×10^{19}

(184) Santa Cruz Islands

ISC	**IX**	**09 23 18 27.2–.10**	**11.82S–.02**	**166.51E–.02**	**103**	**5.5b**	**538**	**7-170**
NOU	IX	09 23 18 20.8–1.2	11.33S	166.73E	30–0	5.5L,4.6		**¶12951957**
ISCJB	IX	09 23 18 25.5–.10	11.83S–.02	166.47E–.02	101	5.5b,4.6		
NEIC	IX	09 23 18 26.3–.13	11.80S	166.51E	99	5.6W,5.5W		
IDC	IX	09 23 18 26.4–.49	11.78S	166.55E	101–4	5.0,5.0		
MOS	IX	09 23 18 27.5–1.2	11.64S	166.42E	116	5.4b,5.0s		
BJI	IX	09 23 18 27.5	11.26S	166.54E	107	5.5b,5.4b		
DJA	IX	09 23 18 29	12.03S	166.71E	133	6.0W,5.4b		
GCMT	IX	09 23 18 29.5–.10	11.78S	166.35E	108–0	5.6W,5.4b		

ISC Event type se.
NOU Error ellipse: s-maj=11.5km s-min=126.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.5km az=160.5.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=153.0. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}2.35 $M_{\theta\theta}$-2.52 $M_{\phi\phi}$0.17 $M_{r\theta}$1.80 $M_{\theta\phi}$-1.15 $M_{\phi r}$-0.67 Best double couple: NP1:ϕ_s226.00000°,δ36.00000°,λ49.00000°. NP2:ϕ_s93.00000° ,δ64.00000°,λ115.00000°. Principal axes: T 3.2700,Plg62.0000°,Azm43.0000° ; N 0.0700,Plg22.0000°,Azm261.0000°; P -3.3500,Plg15.0000°,Azm164.0000° $M_0$3.30000×10^{17}
IDC Error ellipse: s-maj=11.4km s-min=9.3km az=157.0.
MOS Error ellipse: s-maj=7.7km s-min=7.5km az=92.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=214, per= 50. Moment Tensor Solution. s96,c183; s23,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}2.00±.04 $M_{\theta\theta}$-2.63±.04; $M_{\phi\phi}$0.63±.04; $M_{r\theta}$1.93±.03; $M_{\theta\phi}$-1.44±.04; $M_{\phi r}$-0.80±.03; Best double couple: NP1:ϕ_s218.00000°,δ39.00000°,λ37.00000°. NP2:ϕ_s98.00000°,δ68.00000°,λ123.00000°. Principal axes: T 3.3100,Plg55.0000°,Azm50.0000°; N 0.3000,Plg30.0000°,Azm264.0000° ; P -3.6200,Plg16.0000°,Azm164.0000° $M_0$3.50000×10^{17}

(224) Hokkaido region

ISC	**IX**	**10 16 35 18.9–.40**	**43.09N–.04**	**144.77E–.04**	**79–3**	**3.9b**	**68**	**0-72**
SKHL	IX	10 16 35 17.9–1.3	43.00N	144.60E	82–4	5.7,5.5b		**¶11909971**
ISCJB	IX	10 16 35 17.8–.40	43.09N–.04	144.77E–.04	86–2	3.9b,5.5b		
JMA	IX	10 16 35 18.7–.10	43.09N	144.78E	77–1	4.0,5.5b		
MOS	IX	10 16 35 19.6–1.2	43.15N	144.57E	103	4.0b,5.5b		
NEIC	IX	10 16 35 20.2–.78	43.10N	144.69E	92–6	4.4b,5.5b		
IDC	IX	10 16 35 20.2–2.2	43.11N	144.68E	93–17	3.7,3.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.8km az=148.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=18.2km s-min=11.3km az=109.2.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.0km az=94.0.
IDC Error ellipse: s-maj=22.0km s-min=16.3km az=82.0.

(267) Halmahera

ISC	**IX**	**11 00 00 02.7–.10**	**1.89N–.01**	**127.45E–.02**	**97**	**6.3b**	**916**	**1-166**
SZGRF	IX	10 23 59 30.4	0.53N	128.38E	100	6.3b		**¶12952001**
BJI	IX	10 23 59 57.5	1.52N	127.69E	94	6.8b,6.3b		
ISCJB	IX	11 00 00 00.9–.10	1.89N–.01	127.47E–.02	95	6.3b,6.3b		
MOS	IX	11 00 00 02.9–.92	1.90N	127.40E	115	7.3s,6.3b		
NEIC	IX	11 00 00 02.7–.09	1.89N	127.36E	96	6.6W,6.5W		
IDC	IX	11 00 00 04.4–.41	1.92N	127.44E	114–3	5.8s,5.8		
DJA	IX	11 00 00 05	1.95N	127.41E	114	7.0W,5.8		
GCMT	IX	11 00 00 06.8–.10	1.91N	127.34E	120–0	6.6W,5.8		

ISC Event type fe.
SZGRF Halmahera, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=0.1.
MOS Error ellipse: s-maj=7.2km s-min=4.4km az=116.4. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s344.00000°,δ43.00000°,λ22.00000°. NP2: ϕ_s237.00000°,δ75.00000°,λ131.00000°. Principal axes: T Plg44.0000°,Azm188.0000° ; N Plg39.0000°,Azm45.0000°; P Plg20.0000°,Azm298.0000°
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=3.3km az=58.0. Felt [V] at Galela and Loloda. Felt [IV] at Bitung and on Ternate; [III] at Gorontalo and Manado, Sulawesi. Felt [III PIVS] at Davao and Tagum; [II PIVS] at General Santos and Zamboanga, Philippines. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s230.00000°,δ75.00000°,λ90.00000°. NP2:ϕ_s50.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm140.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000° ,Azm320.0000° Moment Tensor Solution. s88 Moment tensor: Scale 10^{18}Nm; M_{rr}3.24 $M_{\theta\theta}$1.46 $M_{\phi\phi}$-4.70 $M_{r\theta}$-5.38 $M_{\theta\phi}$-1.30 $M_{\phi r}$-4.10 Best double couple: NP1:ϕ_s342.00000° ,δ26.00000°,λ29.00000°. NP2:ϕ_s225.00000°,δ77.00000°,λ113.00000°. Principal axes: T 8.2500,Plg51.0000°,Azm162.0000°; N -0.4100,Plg22.0000°,Azm39.0000° ; P -7.8400,Plg28.0000°,Azm296.0000° $M_0$8.10000×10^{18}
IDC Error ellipse: s-maj=11.6km s-min=6.0km az=69.0.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Surface waves: sta=117, comp=265, per= 50. Moment Tensor Solution. s120,c299; s90,c167; Moment tensor: Scale 10^{18}Nm; M_{rr}2.87±.07 $M_{\theta\theta}$2.50±.07; $M_{\phi\phi}$-5.37±.08; $M_{r\theta}$-6.98±.05; $M_{\theta\phi}$-1.66±.08; $M_{\phi r}$-4.03±.06; Best double couple: NP1:ϕ_s338.00000°,δ29.00000°,λ20.00000°. NP2:ϕ_s231.00000°,δ81.00000°,λ117.00000°. Principal axes: T 9.8800,Plg47.0000° ,Azm170.0000°; N -0.9200,Plg27.0000°,Azm46.0000°; P -8.9600,Plg30.0000° ,Azm299.0000° $M_0$9.40000×10^{18}

(266) Northern Molucca Sea

ISC	**IX**	**12 07 47 35.5–1.3**	**1.6N–.10**	**127.3E–.20**	**219–11**	**3.9b**	**12**	**1-87**
IDC	IX	12 07 47 32.0–9.8	1.68N	127.27E	182–94	3.7,3.6b		**¶11910096**
ISCJB	IX	12 07 47 34.6–1.2	1.6N–.10	127.2E–.10	226–10	3.9b,3.6b		
DJA	IX	12 07 47 46	0.66N	126.17E	10	5.6b,3.6b		

IDC Error ellipse: s-maj=70.0km s-min=19.6km az=62.0.
ISCJB Error ellipse: s-maj=23.2km s-min=20.5km az=174.5.

(189) Southeast of Loyalty Islands

ISC	**IX**	**12 16 44 31.7–.17**	**21.70S–.03**	**170.39E–.03**	**121**	**5.5b**	**286**	**3-164**
SZGRF	IX	12 16 44 21.3	21.09S	171.67E	33	5.5b		**¶11265538**
ISCJB	IX	12 16 44 29.9–.18	21.68S–.03	170.37E–.03	119	5.5b		
NEIC	IX	12 16 44 30.8–.17	21.68S	170.47E	116	5.8W,5.4b		
NOU	IX	12 16 44 31.2–1.2	20.22S	169.99E	10–0	5.0L,3.2		
IDC	IX	12 16 44 31.6–.63	21.68S	170.51E	122–5	5.0,5.0		
BGS	IX	12 16 44 32.2–4.8	21.68S	170.47E	116–0	5.4b,5.0		
MOS	IX	12 16 44 32.4–1.2	21.60S	170.45E	136	5.3b,4.9s		
BJI	IX	12 16 44 33.4	20.87S	170.42E	122	5.4b,5.1b		
GCMT	IX	12 16 44 34.9–.10	21.73S	170.24E	115–0	5.8W,5.1b		
DJA	IX	12 16 44 48	22.03S	169.96E	263	5.5W,5.1b		

ISC Event type se.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.5km az=178.5.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=5.1km az=152.0. Moment Tensor Solution. s39 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$0.07 $M_{r\theta}$4.26 $M_{\theta\phi}$3.46 $M_{\phi r}$0.68 Best double couple: NP1:ϕ_s89.00000°,δ83.00000°,λ51.00000°. NP2:ϕ_s350.00000° ,δ39.00000°,λ168.00000°. Principal axes: T 5.7400,Plg39.0000°,Azm323.0000° ; N -0.2000,Plg38.0000°,Azm94.0000°; P -5.5400,Plg27.0000°,Azm208.0000° $M_0$5.60000×10^{17}
NOU Error ellipse: s-maj=52.1km s-min=35.9km az=-1.0.
IDC Error ellipse: s-maj=11.5km s-min=10.9km az=128.0.
BGS Error ellipse: s-maj=210.3km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=11.6km s-min=8.3km az=131.3.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=245, per= 50. Moment Tensor Solution. s105,c226; s66,c83; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.06 $M_{\theta\theta}$0.74±.07; $M_{\phi\phi}$-0.68±.07; $M_{r\theta}$4.25±.04; $M_{\theta\phi}$5.54±.06; $M_{\phi r}$0.30±.04; Best double couple: NP1:ϕ_s2.00000°,δ53.00000°,λ178.00000°. NP2:ϕ_s93.00000°,δ89.00000°,λ37.00000°. Principal axes: T 7.3000,Plg26.0000°,Azm324.0000°; N -0.5800,Plg53.0000°,Azm95.0000° ; P -6.7200,Plg24.0000°,Azm222.0000° $M_0$7.00000×10^{17}

(280) Banda Sea

ISC	**IX**	**13 00 04 05.9–.41**	**3.78S–.02**	**128.99E–.02**	**113–3**	**5.3b**	**444**	**1-162**
BJI	IX	13 00 03 59.0	4.33S	129.29E	110	5.6b,5.2b		**¶12952032**
NEIC	IX	13 00 04 04.2–.72	3.78S	128.96E	95–6	5.6W,5.5b		
ISCJB	IX	13 00 04 04.2–.43	3.79S–.02	128.99E–.02	113–4	5.3b,5.5b		
IDC	IX	13 00 04 05.4–.45	3.83S	128.85E	108–3	5.1,5.1		
MOS	IX	13 00 04 05.3–1.4	3.67S	128.86E	115	5.3b,4.6s		
DJA	IX	13 00 04 06	3.69S	129.06E	113	5.9W,4.6s		
TEH	IX	13 00 04 06.0	3.81S	128.94E	115	5.9W,4.6s		
GCMT	IX	13 00 04 07.0–.10	3.67S	128.95E	109–1	5.6W,4.6s		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=57.0. Felt [IV] at Amahai and Tehoru.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=139.8.
IDC Error ellipse: s-maj=9.8km s-min=5.5km az=66.0.
MOS Error ellipse: s-maj=9.6km s-min=5.6km az=110.8.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=223, per= 50. Moment Tensor Solution. s89,c157; s27,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}1.04±.04 $M_{\theta\theta}$2.08±.04; $M_{\phi\phi}$-3.12±.04; $M_{r\theta}$-1.30±.03; $M_{\theta\phi}$0.85±.04; $M_{\phi r}$-1.02±.03; Best double couple: NP1:ϕ_s311.00000°,δ57.00000°,λ18.00000°. NP2:ϕ_s211.00000°,δ75.00000°,λ146.00000°. Principal axes: T 3.2200,Plg35.0000°,Azm166.0000°; N 0.1900,Plg53.0000°,Azm9.0000° ; P -3.4100,Plg11.0000°,Azm264.0000° $M_0$3.30000×10^{17}

(103) Colombia

ISC	**IX**	**13 09 32 02.1–.14**	**4.84N–.02**	**75.48W–.02**	**134**	**5.7b**	**1020**	**1-180**
BJI	IX	13 09 31 58.2	5.51N	75.39W	112	5.7b		**¶13394259**
BGS	IX	13 09 31 58.5–1.4	4.59N	75.82W	133–0	5.3b		
MOS	IX	13 09 31 58.3–.88	4.85N	75.56W	114	5.8b		
ISCJB	IX	13 09 32 00.5–.14	4.89N–.02	75.50W–.02	132	5.7b		
IDC	IX	13 09 32 01.7–.41	4.82N	75.59W	139–3	5.6,5.5		
NEIC	IX	13 09 32 01.5–.13	4.79N	75.52W	133	5.9b,5.7W		
GCMT	IX	13 09 32 06.1–.10	4.94N	75.48W	140–0	5.7W,5.7W		
SZGRF	IX	13 09 32 09.5	5.41N	74.11W	136	5.9b,5.7W		
CASC	IX	13 09 32 12.4–2.4	6.38N	75.71W	133–0	5.9b,5.0		

ISC Event type fe.
BGS Error ellipse: s-maj=301.4km s-min=232.7km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=92.7.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=13.8.
IDC Error ellipse: s-maj=10.5km s-min=8.4km az=25.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=201.0. Felt [V] at Armenia, [IV] at Pereira and [III] at Bogota, Cali, Envigado and Medellin. Also felt at Anserma, Ayapel, Barrancabermeja, Chia, Dos Quebradas, Manizales, Monteria, Palmira, Penol, Puerto Boyaca, Quibdo and Sincelejo. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s70 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$1.22 $M_{r\theta}$-4.16 $M_{\theta\phi}$0.61 $M_{\phi r}$-1.55 Best double couple: NP1:ϕ_s178.00000°,δ13.00000°,λ-157.00000°. NP2:ϕ_s66.00000° ,δ85.00000°,λ-78.00000°. Principal axes: T 4.3100,Plg38.0000°,Azm145.0000° ; N 0.5800,Plg11.0000°,Azm245.0000°; P -4.8800,Plg48.0000°,Azm349.0000° $M_0$4.60000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=109, comp=239, per= 50. Moment Tensor Solution. s105,c208; s43,c46; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.35±.05 $M_{\theta\theta}$0.87±.06; $M_{\phi\phi}$1.49±.06; $M_{r\theta}$-3.94±.04; $M_{\theta\phi}$0.23±.06; $M_{\phi r}$-1.00±.05; Best double couple: NP1:ϕ_s227.00000°,δ13.00000°,λ-115.00000°. NP2:ϕ_s72.00000°,δ79.00000°,λ-85.00000°. Principal axes: T 3.7700,Plg33.0000°,Azm158.0000°; N 1.3100,Plg5.0000°,Azm251.0000° ; P -5.0700,Plg56.0000°,Azm349.0000° $M_0$4.40000×10^{17}
SZGRF Colombia.
CASC Error ellipse: s-maj=99.9km s-min=26.0km az=-1.0.

(171) South of Fiji Islands

ISC	**IX**	**14 20 18 51.7–1.2**	**23.73S–.04**	**177.32W–.04**	**183–10**	**5.1b**	**238**	**7-177**
ISCJB	IX	14 20 18 47.1–1.4	23.69S–.05	177.38W–.04	154–13	5.1b		**¶11277551**
MOS	IX	14 20 18 48.2–1.1	23.48S	177.37W	155	5.1b		
IDC	IX	14 20 18 48.7–1.4	23.55S	177.30W	154–10	4.7,4.7		
BJI	IX	14 20 18 52.2	23.24S	176.88W	200	5.2b,5.0b		
SZGRF	IX	14 20 18 52.7	23.26S	173.85W	188	5.2b,5.0b		
GCMT	IX	14 20 18 53.5–.10	23.73S	176.87W	190–0	5.5W,5.0b		
NEIC	IX	14 20 18 53.6–.91	23.61S	177.33W	199–7	4.9b,5.0b		
BGS	IX	14 20 18 56.2–4.8	23.61S	177.33W	199–0	4.9b,5.0b		
DJA	IX	14 20 19 05	23.76S	177.72W	292	5.5b,5.0b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.9km az=150.8.
MOS Error ellipse: s-maj=11.1km s-min=10.2km az=25.3.
IDC Error ellipse: s-maj=13.2km s-min=11.7km az=150.0.
SZGRF Tonga Islands region.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 100 sta. Moment Tensor Solution. s89,c159; s99,c191; Moment tensor: Scale 10^{17}Nm; M_{rr}0.61±.02 $M_{\theta\theta}$-1.90±.03; $M_{\phi\phi}$1.28±.03; $M_{r\theta}$0.31±.02; $M_{\theta\phi}$0.40±.03; $M_{\phi r}$0.85±.02; Best double couple: NP1:ϕ_s317.00000° ,δ63.00000°,λ158.00000°. NP2:ϕ_s57.00000°,δ70.00000°,λ29.00000°. Principal axes: T 1.9300,Plg34.0000°,Azm279.0000°; N 0.0400,Plg55.0000°,Azm88.0000° ; P -1.9700,Plg5.0000°,Azm186.0000° $M_0$2.00000×10^{17}
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.7km az=146.0.
BGS Error ellipse: s-maj=557.0km s-min=999.9km az=-1.0.

(218) Near east coast of Kamchatka Peninsula

ISC	**IX**	**18 11 58 51.2–.07**	**51.95N–.02**	**158.29E–.02**	**67**	**5.6b**	**1901**	**1-156**
MOS	IX	18 11 58 46.2–1.0	51.90N	158.31E	43	5.9b,5.6s		**¶13394602**
BJI	IX	18 11 58 47.8	52.00N	158.47E	70	5.6s,5.6b		
NEIC	IX	18 11 58 47.5–.10	51.94N	158.36E	35	5.9W,5.8b		
IDC	IX	18 11 58 48.6–1.2	51.98N	158.29E	47–10	5.4,5.4		
KRSC	IX	18 11 58 49.5–1.7	51.82N	158.88E	37–36	5.6L,5.4		
ISCJB	IX	18 11 58 49.0–.07	51.87N–.02	158.39E–.02	65	5.6b,5.4		
BGS	IX	18 11 58 50.8–1.4	51.80N	157.92E	66–0	5.8b,5.4		
GCMT	IX	18 11 58 53.0–.10	51.78N	158.86E	58–0	5.8W,5.4		
DJA	IX	18 11 58 56	52.01N	158.58E	122	5.8W,5.4		
SZGRF	IX	18 11 58 57.4	52.95N	156.16E	33	5.9b,5.6s		

ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=89.4. Felt (III-IV) at Petropavlovsk-Kamchatskiy, (III) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=1.8km az=171.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ60.00000° ,λ90.00000°. NP2:ϕ_s210.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000° ,Azm300.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm120.0000° Moment Tensor Solution. s139 Moment tensor: Scale 10^{17}Nm; M_{rr}7.63 $M_{\theta\theta}$-3.10 $M_{\phi\phi}$-4.53 $M_{r\theta}$0.77 $M_{\theta\phi}$-3.67 $M_{\phi r}$1.26 Best double couple: NP1:ϕ_s38.00000°,δ50.00000°,λ88.00000°. NP2:ϕ_s221.00000° ,δ40.00000°,λ92.00000°. Principal axes: T 7.7700,Plg84.0000°,Azm293.0000° ; N -0.0800,Plg1.0000°,Azm39.0000°; P -7.6900,Plg5.0000°,Azm129.0000° $M_0$7.70000×10^{17}
IDC Error ellipse: s-maj=13.0km s-min=8.3km az=143.0.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.4km az=165.9.
BGS Error ellipse: s-maj=158.6km s-min=496.8km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=249, per= 50. Moment Tensor Solution. s109,c244; s64,c84; Moment tensor: Scale 10^{17}Nm; M_{rr}6.59±.07 $M_{\theta\theta}$-1.26±.06; $M_{\phi\phi}$-5.32±.06; $M_{r\theta}$1.57±.05; $M_{\theta\phi}$-3.34±.05; $M_{\phi r}$2.08±.05; Best double couple: NP1:ϕ_s206.00000°,δ35.00000°,λ85.00000°. NP2:ϕ_s32.00000°,δ55.00000°,λ94.00000°. Principal axes: T 7.0800,Plg79.0000°,Azm316.0000°; N 0.6000,Plg3.0000°,Azm210.0000° ; P -7.6700,Plg10.0000°,Azm120.0000° $M_0$7.40000×10^{17}
SZGRF Kamchatka Peninsula, Russia.

(715) Tajikistan

ISC	**IX**	**20 02 54 37.1–.11**	**38.25N–.02**	**73.41E–.02**	**147**	**5.3b**	**1040**	**2-152**
MOS	IX	20 02 54 34.9–.95	38.36N	73.46E	138	5.4b,4.0s		**¶13394754**

DJA	IX	20 02 54 35	38.16N	73.64E	132	5.0b,4.0s			
BJI	IX	20 02 54 35.5	38.49N	73.51E	130	4.8b,4.7b			
ISCJB	IX	20 02 54 35.4–.10	38.23N–.02	73.37E–.02	145	5.3b,4.7b			
NEIC	IX	20 02 54 37.0–.14	38.31N	73.46E	146	5.4b,4.7b			
IDC	IX	20 02 54 36.4–.48	38.20N	73.48E	144–4	4.9,4.9			
BGS	IX	20 02 54 38.3–1.4	38.30N	73.14E	150–0	5.4b,4.9			
GCMT	IX	20 02 54 38.6–.20	38.30N	73.23E	146–1	5.3W,4.9			
SZGRF	IX	20 02 54 39.7	37.29N	73.11E	180	5.8b,4.9			
NNC	IX	20 02 54 44.5–2.9	39.12N	73.43E	205–26	5.7,4.5b			
ISC		Event type se.							
MOS		Error ellipse: s-maj=5.4km s-min=3.0km az=124.1.							
ISCJB		Event type se. Error ellipse: s-maj=2.5km s-min=2.0km az=17.7.							
NEIC		Event type se. Error ellipse: s-maj=3.6km s-min=2.4km az=178.0.							
IDC		Error ellipse: s-maj=9.6km s-min=7.9km az=9.0.							
BGS		Error ellipse: s-maj=315.7km s-min=445.4km az=-1.0.							
GCMT		Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s57,c82; s88,c180; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.17±.16 $M_{\theta\theta}$2.85±.18; $M_{\phi\phi}$0.32±.17; $M_{r\theta}$-5.35±.13; $M_{\theta\phi}$-6.90±.15; $M_{\phi r}$-3.37±.13; Best double couple: NP1:ϕ_s347.00000°,δ54.00000°,λ-23.00000°. NP2:ϕ_s91.00000°,δ72.00000°,λ-141.00000°. Principal axes: T 9.0000,Plg11.0000° ,Azm215.0000°; N 1.5000,Plg48.0000°,Azm112.0000°; P -10.5000,Plg40.0000° ,Azm315.0000° $M_0$9.70000×10^{16}							
SZGRF		Tajikistan.							
NNC		Error ellipse: s-maj=30.6km s-min=12.3km az=3.0.							
		(718) Hindu Kush region							
ISC	**IX**	**24 17 59 33.4–.09**	**36.09N–.02**	**71.28E–.02**	**100**	**5.1b**	**964**	**2-150**	
BGS	IX	24 17 59 08.3–1.7	34.12N	74.68E	100–0	5.0b			**¶13395119**
NNC	IX	24 17 59 28.6–6.1	36.44N	70.31E	0	6.0,5.7b			
MOS	IX	24 17 59 31.9–1.4	36.20N	71.34E	97	5.2b,4.0s			
ISCJB	IX	24 17 59 31.6–.09	36.10N–.02	71.29E–.02	98	5.1b,4.0s			
BJI	IX	24 17 59 32.3	36.32N	71.33E	86	5.2b,5.0b			
TEH	IX	24 17 59 33.0	36.24N	71.17E	92	5.2b,5.0b			
NEIC	IX	24 17 59 33.5–.19	36.15N	71.25E	100	5.2b,5.0b			
SZGRF	IX	24 17 59 33.5	35.85N	71.39E	136	5.3b,5.0b			
IDC	IX	24 17 59 33.6–.38	36.13N	71.19E	104–3	4.7,4.7			
DJA	IX	24 17 59 35	36.12N	71.13E	95	5.6b,4.7			
GCMT	IX	24 17 59 35.8–.20	36.10N	71.12E	107–1	5.2W,4.7			
ISC		Event type fe.							
BGS		Error ellipse: s-maj=673.8km s-min=783.6km az=-1.0.							
NNC		Error ellipse: s-maj=59.1km s-min=43.0km az=32.0.							
MOS		Error ellipse: s-maj=5.6km s-min=3.1km az=128.9.							
ISCJB		Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=26.9.							
NEIC		Event type fe. Error ellipse: s-maj=5.3km s-min=3.8km az=187.0. Felt at Islamabad, Pakistan.							
SZGRF		Pakistan.							
IDC		Error ellipse: s-maj=10.5km s-min=6.7km az=17.0.							
GCMT		Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c110; s86,c166; Moment tensor: Scale 10^{16}Nm; M_{rr}5.42±.17 $M_{\theta\theta}$-0.20±.18; $M_{\phi\phi}$-5.22±.19; $M_{r\theta}$-3.31±.13; $M_{\theta\phi}$-4.18±.17; $M_{\phi r}$4.03±.14; Best double couple: NP1:ϕ_s238.00000°,δ46.00000°,λ141.00000°. NP2:ϕ_s358.00000°,δ63.00000°,λ51.00000°. Principal axes: T 9.0600,Plg54.0000° ,Azm219.0000°; N -1.1600,Plg34.0000°,Azm18.0000°; P -7.9100,Plg10.0000° ,Azm115.0000° $M_0$8.50000×10^{16}							
		(280) Banda Sea							
ISC	**IX**	**26 23 10 04.7–.21**	**5.63S–.03**	**130.88E–.03**	**111**	**5.4b**	**288**	**1-163**	
BJI	IX	26 23 10 01.5	5.84S	131.07E	118	5.5b,5.3b			**¶11310469**
GCMT	IX	26 23 10 02.3–.30	5.58S	130.60E	81–2	5.1W,5.3b			
ISCJB	IX	26 23 10 02.8–.20	5.62S–.03	130.88E–.03	109	5.4b,5.3b			
MOS	IX	26 23 10 03.1–1.0	5.50S	130.81E	99	5.5b,5.3b			
IDC	IX	26 23 10 04.3–.53	5.66S	130.85E	104–4	5.0,5.0b			
NEIC	IX	26 23 10 04.7–.11	5.69S	130.72E	110	5.4b,5.0b			
DJA	IX	26 23 10 05	5.34S	130.97E	110	5.5b,5.0b			
ISC		Event type se.							
GCMT		Event type se. Data Used: IU II IC CN G. Moment Tensor Solution. s34,c45; s75,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}1.30±.16 $M_{\theta\theta}$-3.41±.14; $M_{\phi\phi}$2.11±.17; $M_{r\theta}$1.11±.11; $M_{\theta\phi}$3.65±.15; $M_{\phi r}$1.38±.12; Best double couple: NP1:ϕ_s338.00000°,δ69.00000°,λ163.00000°. NP2:ϕ_s75.00000°,δ74.00000°,λ22.00000°. Principal axes: T 4.7900,Plg26.0000° ,Azm298.0000°; N 0.4600,Plg63.0000°,Azm109.0000°; P -5.2500,Plg3.0000°,Azm206.0000° $M_0$5.00000×10^{16}							
ISCJB		Event type se. Error ellipse: s-maj=4.4km s-min=3.7km az=26.2.							
MOS		Error ellipse: s-maj=12.9km s-min=6.3km az=116.6.							
IDC		Error ellipse: s-maj=18.0km s-min=9.3km az=79.0.							
NEIC		Event type se. Error ellipse: s-maj=5.8km s-min=3.6km az=53.0.							
		(250) Mindoro							
ISC	**IX**	**27 03 04 59.6–.29**	**13.45N–.01**	**120.55E–.02**	**70–2**	**5.5b**	**910**	**1-171**	
SZGRF	IX	27 03 04 50.3	12.51N	121.51E	33	5.9b			**¶11310631**
NEIC	IX	27 03 04 51.7–.12	13.47N	120.58E	10	5.6b			
MOS	IX	27 03 04 53.9–.81	13.49N	120.58E	33	5.8b,5.7s			
MAN	IX	27 03 04 54	13.33N	120.32E	73	5.3s,5.7s			
IDC	IX	27 03 04 55.4–1.7	13.48N	120.51E	34–13	5.3L,5.1b			
GCMT	IX	27 03 04 56.7–.10	13.50N	120.40E	17–0	5.7W,5.1b			
ISCJB	IX	27 03 04 57.6–.32	13.46N–.01	120.54E–.02	65–3	5.5b,5.1b			
BJI	IX	27 03 04 58.1	13.44N	120.62E	78	5.9s,5.6b			
TEH	IX	27 03 05 01.0	13.39N	120.49E	82	5.9s,5.6b			
DJA	IX	27 03 05 07	13.43N	120.52E	149	5.7W,5.6b			
ISC		Event type fe.							
SZGRF		Mindoro, Philippine Islands.							
NEIC		Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=50.0. Felt [V PIVS] at Calapan and Naujan. Felt [IV PIVS] at Apalit, Las Pinas and Manila; [III PIVS] at Batangas and Quezon City; [II PIVS] at Makati, Luzon.							
MOS		Error ellipse: s-maj=7.5km s-min=3.8km az=120.8.							
MAN		Event type fe. INTENSITY V - CALAPAN CITY; NAUJAN; INTENSITY IV - APALIT; MANILA; LAS PINAS; INTENSITY III - QUEZON CITY; BATANGAS CITY; INTENSITY II - MAKATI CITY.							
IDC		Error ellipse: s-maj=13.9km s-min=8.6km az=72.0.							
GCMT		Event type se. Data Used: II IU IC G CN. Surface waves: sta=104, comp=212, per= 50. Moment Tensor Solution. s88,c173; s23,c23; Moment tensor: Scale 10^{17}Nm; M_{rr}-4.49±.08 $M_{\theta\theta}$2.32±.07; $M_{\phi\phi}$2.17±.08; $M_{r\theta}$0.59±.19; $M_{\theta\phi}$2.21±.06; $M_{\phi r}$1.68±.20; Best double couple: NP1: ϕ_s55.00000°,δ36.00000°,λ-75.00000°. NP2:ϕ_s217.00000°,δ55.00000°,λ-101.00000°. Principal axes: T 4.7300,Plg10.0000°,Azm314.0000°; N 0.1600,Plg9.0000°,Azm223.0000° ; P -4.8900,Plg77.0000°,Azm92.0000° $M_0$4.80000×10^{17}							
ISCJB		Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=178.7.							
		(250) Mindoro							
ISC	**IX**	**27 03 09 13.5–.27**	**13.46N–.02**	**120.51E–.02**	**78–2**	**5.5b**	**838**	**1-171**	
SZGRF	IX	27 03 09 00.6	12.11N	121.82E	33	6.0s,5.8b			**¶13395292**
NEIC	IX	27 03 09 04.8–.13	13.48N	120.55E	11	5.9W,5.8W			
MOS	IX	27 03 09 06.7–1.1	13.51N	120.61E	33	5.9b,5.5s			
IDC	IX	27 03 09 08.1–1.6	13.50N	120.55E	33–11	5.1b,5.1			
MAN	IX	27 03 09 08	13.32N	120.08E	86	6.5s,6.4b			
GCMT	IX	27 03 09 09.6–.10	13.56N	120.46E	12	5.9W,6.4b			
BJI	IX	27 03 09 09.7	13.22N	120.70E	80	6.2b,5.8s			
ISCJB	IX	27 03 09 11.2–.31	13.45N–.02	120.50E–.02	70–3	5.5b,5.8s			
TEH	IX	27 03 09 14.0	13.40N	120.48E	77	5.5b,5.8s			
DJA	IX	27 03 09 15	13.69N	120.51E	96	5.6b,5.8s			
ISC		Event type fe.							
SZGRF		Mindoro, Philippine Islands.							
NEIC		Event type fe. Error ellipse: s-maj=4.8km s-min=3.7km az=50.0. Felt [V PIVS] at Calapan, Naujan, Sablayan and on Lubang Island; [IV PIVS] at Puerto Galera; [II PIVS] at Navotas. Also felt at Taytay. Felt [IV PIVS] at Apalit and [III PIVS] at Manila, Molino and Quezon City, Luzon. Felt [IV] at Batangas. Also felt at Bacoor, Binan, Bocaue, Malolos, Olongapo, San Fernando and Tagaytay. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.							
MOS		Error ellipse: s-maj=11.5km s-min=7.3km az=112.3.							
IDC		Error ellipse: s-maj=12.6km s-min=7.7km az=63.0.							
MAN		Event type fe. INTENSITY V - CALAPAN CITY; NAUJAN; LOOC; SABLAYAN.							
GCMT		Event type se. Data Used: II IU G CN IC. Surface waves: sta=118, comp=266, per= 50. Moment Tensor Solution. s95,c196; s85,c118; Moment tensor: Scale 10^{17}Nm; M_{rr}-8.21±.08 $M_{\theta\theta}$3.34±.07; $M_{\phi\phi}$4.87±.07; $M_{r\theta}$2.94±.20; $M_{\theta\phi}$4.10±.05; $M_{\phi r}$1.63±.19; Best double couple: NP1: ϕ_s32.00000°,δ35.00000°,λ-103.00000°. NP2:ϕ_s228.00000°,δ56.00000°,λ-81.00000°. Principal axes: T 8.8600,Plg10.0000°,Azm311.0000°; N 0.0900,Plg7.0000°,Azm43.0000° ; P -8.9500,Plg77.0000°,Azm167.0000° $M_0$8.90000×10^{17}							
ISCJB		Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=173.2.							
		(263) Talaud Islands							
ISC	**X**	**04 18 52 45.1–.53**	**4.72N–.03**	**127.52E–.05**	**90–4**	**4.5b**	**179**	**2-123**	
MAN	X	04 18 52 35	4.16N	127.41E	3	5.6b,5.0s			**¶11328061**
MOS	X	04 18 52 38.0–.74	4.75N	127.58E	44	4.8b,5.0s			
ISCJB	X	04 18 52 43.6–.57	4.72N–.03	127.52E–.05	95–5	4.5b,5.0s			
NEIC	X	04 18 52 44.2–1.0	4.69N	127.53E	87–9	4.6b,5.0s			
BJI	X	04 18 52 44.5	4.48N	127.82E	124	4.8b,4.7b			
IDC	X	04 18 52 44.2–1.8	4.69N	127.51E	87–15	4.2,4.2			
DJA	X	04 18 52 46.8–2.8	5N–8.0	127E–5.0	33–40	5.4b,5.2			
ISC		Event type se.							
ISCJB		Event type se.							
NEIC		Event type se.							
		(267) Halmahera							
ISC	**X**	**10 18 21 39.2–.34**	**1.82N–.02**	**127.42E–.03**	**107–3**	**4.9b**	**314**	**1-159**	
MOS	X	10 18 21 30.9–.92	1.89N	127.38E	46	5.1b			**¶11344608**
ISCJB	X	10 18 21 38.1–.37	1.84N–.02	127.41E–.03	114–3	4.9b			
NEIC	X	10 18 21 38.8–.71	1.80N	127.40E	108–6	4.9b			
IDC	X	10 18 21 39.1–1.3	1.78N	127.38E	111–10	4.4,4.4			
DJA	X	10 18 21 42.9–.30	2N–3.0	127E–2.0	94–4	5.5b,5.4			
ISC		Event type se.							
ISCJB		Event type se.							
NEIC		Event type se.							
		(71) Near coast of Guatemala							
ISC	**X**	**16 19 41 33.1–.24**	**14.54N–.02**	**92.33W–.02**	**83–2**	**5.8b**	**1564**	**0-171**	
IDC	X	16 19 41 22.2–.36	14.56N	92.31W	0	6.5s,6.5			**¶13397283**
BGS	X	16 19 41 22.6–1.6	13.59N	91.77W	25–0	6.5s,5.5b			
BJI	X	16 19 41 23.1	14.40N	92.40W	24	6.8s,6.7b			
NEIC	X	16 19 41 25.7–.15	14.42N	92.36W	24	6.7W,6.6W			
CASC	X	16 19 41 25.9–2.3	14.38N	92.84W	24–22	6.1b,5.6			
MEX	X	16 19 41 25.0–.70	14.05N	92.86W	23–16	6.6,5.6			
MOS	X	16 19 41 26.0–.89	14.50N	92.40W	33	6.6s,6.1b			
GCMT	X	16 19 41 31.3–.10	14.28N	92.90W	30–0	6.7W,6.1b			
ISCJB	X	16 19 41 31.2–.26	14.51N–.02	92.38W–.02	82–2	5.8b,6.1b			
ISC		Event type fe.							
NEIC		Event type fe. Felt [IV] at Antigua Guatemala, Guatemala, Mixco and Quetzaltenango; [III] at Panajachel, Guatemala. Also felt at Ayutla, Chichicastenango, Coatepeque, Cuidad Vieja, Huehuetenango, Mazatenango, Retalhuleu, Salcaja, San Marcos la Laguna, San Pedro la Laguna, Santa Catarina Pinula and Villa Nueva. Felt [III] at San Salvador, El Salvador. Also felt at Antiguo Cuscatlan and Ilopango. Felt [II] at Mexico and San Cristobal de las Casas, Mexico. Also felt at Tapachula and Tuxtla Gutierrez. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s130.00000°,δ70.00000° ,λ90.00000°. NP2:ϕ_s310.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000° ,Azm40.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm220.0000° Moment Tensor Solution. s164 Moment tensor: Scale 10^{18}Nm; M_{rr}5.34 $M_{\theta\theta}$-3.67 $M_{\phi\phi}$-1.67 $M_{r\theta}$1.90 $M_{\theta\phi}$1.91 $M_{\phi r}$-1.59 Best double couple: NP1:ϕ_s298.00000°,δ32.00000°,λ84.00000°. NP2:ϕ_s125.00000° ,δ58.00000°,λ93.00000°. Principal axes: T 5.9200,Plg76.0000°,Azm45.0000° ; N -0.5300,Plg2.0000°,Azm302.0000°; P -5.3900,Plg12.0000°,Azm212.0000° $M_0$5.70000×10^{18} Moment Tensor Solution. $M_0$1.70000×10^{19}							
GCMT		Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 106 sta. Surface waves: sta=115, comp=273, per= 50. Moment Tensor Solution. s121,c316; s99,c219; Moment tensor: Scale 10^{19}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s289.00000°,δ26.00000°,λ74.00000°. NP2:ϕ_s127.00000° ,δ65.00000°,λ98.00000°. Principal axes: T 1.1600,Plg69.0000°,Azm53.0000° ; N 0.0500,Plg7.0000°,Azm304.0000°; P -1.2100,Plg20.0000°,Azm212.0000° $M_0$1.20000×10^{19}							
ISCJB		Event type fe.							
		(207) Eastern New Guinea region							
ISC	**X**	**18 00 54 40.9–.11**	**6.96S–.02**	**147.29E–.02**	**84**	**5.7b**	**622**	**2-167**	
MOS	X	18 00 54 36.0–1.1	6.86S	147.23E	55	5.9b,4.8s			**¶13397379**
BJI	X	18 00 54 38.8	6.50S	147.64E	79	5.7b,5.7b			
ISCJB	X	18 00 54 39.3–.11	6.94S–.02	147.24E–.02	82	5.7b,5.7b			
NEIC	X	18 00 54 39.6–.08	6.95S	147.27E	77	5.8b,5.7W			
IDC	X	18 00 54 40.4–.49	6.95S	147.25E	82–4	5.3,5.3			
TEH	X	18 00 54 41.0	6.95S	147.25E	87	5.3,5.3			
GCMT	X	18 00 54 43.7–.10	7.07S	147.26E	78–0	5.7W,5.3			
DJA	X	18 00 54 43	7.08S	147.39E	108	5.9W,5.3			
BGS	X	18 00 54 44.0–1.9	3.08S	150.65E	77–0	5.8b,5.3			
ISC		Event type fe.							
MOS		Error ellipse: s-maj=11.4km s-min=7.7km az=90.6.							
ISCJB		Event type fe. Error ellipse: s-maj=3.0km s-min=2.7km az=1.2.							
NEIC		Event type fe. Error ellipse: s-maj=3.2km s-min=3.0km az=106.0. Felt at Lae. Moment Tensor Solution. s50 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.95 $M_{\theta\theta}$3.29 $M_{\phi\phi}$-0.34 $M_{r\theta}$-1.70 $M_{\theta\phi}$-0.20 $M_{\phi r}$0.95 Best double couple: NP1:ϕ_s107.00000°,δ61.00000°,λ-75.00000°. NP2: ϕ_s258.00000°,δ32.00000°,λ-115.00000°. Principal axes: T 3.7700,Plg14.0000° ,Azm186.0000°; N -0.1500,Plg12.0000°,Azm279.0000°; P -3.6200,Plg70.0000° ,Azm49.0000° $M_0$3.70000×10^{17}							
IDC		Error ellipse: s-maj=10.1km s-min=6.2km az=86.0.							
GCMT		Event type se. Data Used: II IU CN IC G. Surface waves: sta=107, comp=231, per= 50. Moment Tensor Solution. s101,c218; s51,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.95±.04 $M_{\theta\theta}$3.64±.03; $M_{\phi\phi}$-0.69±.04; $M_{r\theta}$-1.81±.03; $M_{\theta\phi}$-1.19±.03; $M_{\phi r}$0.80±.03; Best double couple: NP1:ϕ_s276.00000°,δ31.00000°,λ-103.00000°. NP2:ϕ_s111.00000°,δ60.00000°,λ-82.00000°. Principal axes: T 4.4600,Plg15.0000°,Azm195.0000°; N -0.9600,Plg7.0000°,Azm287.0000° ; P -3.5000,Plg74.0000°,Azm41.0000° $M_0$4.00000×10^{17}							
BGS		Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.							
		(276) Sunda Strait							
ISC	**X**	**18 18 41 31.9–.34**	**6.17S–.03**	**104.69E–.03**	**74–2**	**5.0b**	**401**	**1-173**	
MOS	X	18 18 41 26.1–1.1	5.84S	104.90E	33	5.4b			**¶11359830**
ISCJB	X	18 18 41 30.5–.37	6.17S–.03	104.68E–.03	77–3	5.0b			
DJA	X	18 18 41 31.4–.30	6S–3.0	105E–2.0	50–3	5.5b,5.3			
NEIC	X	18 18 41 32.1–.20	6.06S	104.75E	78	5.1b,5.3			
IDC	X	18 18 41 32.3–.62	5.98S	104.88E	76–4	4.6,4.6			
ISC		Event type se.							
MOS		Error ellipse: s-maj=11.0km s-min=5.9km az=118.8.							
ISCJB		Event type se. Error ellipse: s-maj=6.1km s-min=3.0km az=36.5.							
NEIC		Event type se. Error ellipse: s-maj=7.2km s-min=4.6km az=223.0.							
IDC		Error ellipse: s-maj=15.2km s-min=7.6km az=45.0.							
		(265) Minahassa Peninsula, Sulawesi							
ISC	**X**	**20 04 54 20.4–.10**	**0.14N–.01**	**120.70E–.01**	**103**	**6.0b**	**860**	**2-165**	
BJI	X	20 04 54 12.5	0.65S	120.97E	100	5.8b,5.8b			**¶13397565**
ISCJB	X	20 04 54 18.6–.10	0.16N–.01	120.72E–.02	101	6.0b,5.8b			
MOS	X	20 04 54 19.3–1.1	0.15N	120.75E	106	6.2b,5.8b			
NEIC	X	20 04 54 19.2–.11	0.11N	120.68E	96	6.2,6.1b			
IDC	X	20 04 54 20.6–.38	0.12N	120.69E	108–2	5.6,5.6			
GCMT	X	20 04 54 21.4–.10	0.21N	120.67E	108–0	5.9W,5.6			
TEH	X	20 04 54 21.0	0.10N	120.69E	105	5.9W,5.6			
DJA	X	20 04 54 22.1–.20	0N–2.0	121E–1.0	112–3	6.6b,6.4			
ISC		Event type fe.							
ISCJB		Event type fe.							
NEIC		Event type fe. Felt [V] at Tolitoli, [IV] at Poso, [III] at Gorontalo and [II] at Palu. Also felt at Palopo. Felt [II PIVS] at Zamboanga, Philippines. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s195.00000°,δ65.00000° ,λ110.00000°. NP2:ϕ_s334.00000°,δ32.00000°,λ54.00000°. Principal axes: T Plg64.0000° ,Azm139.0000°; N Plg0.0000°,Azm0.0000°; P Plg18.0000°,Azm270.0000° Moment Tensor Solution. s97 Moment tensor: Scale 10^{17}Nm; M_{rr}3.92 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-3.62 $M_{r\theta}$-2.99 $M_{\theta\phi}$2.06 $M_{\phi r}$-4.36 Best double couple: NP1:ϕ_s313.00000°,δ33.00000°,λ36.00000°. NP2:ϕ_s192.00000° ,δ72.00000°,λ118.00000°. Principal axes: T 7.5500,Plg54.0000°,Azm136.0000° ; N -1.8400,Plg26.0000°,Azm2.0000°; P -5.7100,Plg21.0000°,Azm261.0000° $M_0$6.80000×10^{17}							
GCMT		Event type se. Data Used: II IU CN IC G. Surface waves: sta=121, comp=270, per= 50. Moment Tensor Solution. s113,c257; s60,c73; Moment tensor: Scale 10^{17}Nm; M_{rr}4.44±.06 $M_{\theta\theta}$0.05±.07; $M_{\phi\phi}$-4.49±.08; $M_{r\theta}$-3.78±.04; $M_{\theta\phi}$2.34±.06; $M_{\phi r}$-4.72±.05; Best double couple: NP1:ϕ_s314.00000°,δ35.00000°,λ35.00000°. NP2:ϕ_s194.00000°,δ71.00000°,λ120.00000°. Principal axes: T 8.7100,Plg54.0000°,Azm141.0000°; N -2.1000,Plg28.0000°,Azm4.0000° ; P -6.6100,Plg21.0000°,Azm262.0000° $M_0$7.70000×10^{17}							
		(280) Banda Sea							
ISC	**X**	**21 13 00 48.7–.16**	**7.61S–.02**	**127.70E–.02**	**140**	**5.3b**	**440**	**4-163**	
BJI	X	21 13 00 40.3	8.42S	128.26E	148	5.3b,5.2b			**¶11360732**
ISCJB	X	21 13 00 46.7–.15	7.59S–.02	127.71E–.02	138	5.3b,5.2b			
NEIC	X	21 13 00 48.0–.12	7.47S	127.73E	135	5.5b,5.5W			
MOS	X	21 13 00 48.9–.88	7.26S	127.75E	145	5.3b,4.6s			

GCMT	X	21 13 00 51.3–.10	7.67S	127.72E	152–0	5.6W,4.6s	
IDC	X	21 13 00 51.7–.79	7.49S	127.65E	165–6	5.0,5.0	
DJA	X	21 13 00 51.0–.20	8S–2.0	128E–2.0	161–3	5.8b,5.8	

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Darwin, Australia. Felt at Dili, Timor-Leste. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-1.57 $M_{\phi\phi}$0.33 $M_{r\theta}$-1.57 $M_{\theta\phi}$0.70 $M_{\phi r}$0.49 Best double couple: NP1:ϕ_s288.00000°,δ69.00000°,λ89.00000°. NP2:ϕ_s199.00000°,δ21.00000°,λ92.00000°. Principal axes: T 1.9600,Plg66.0000°,Azm196.0000° ; N 0.5600,Plg0.0000°,Azm287.0000°; P -2.5200,Plg23.0000°,Azm17.0000° M_o2.30000×10^{17}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=117, comp=242, per= 50. Moment Tensor Solution. s99,c186; s46,c48; Moment tensor: Scale 10^{17}Nm; M_{rr}2.38±.04 $M_{\theta\theta}$-2.43±.04; $M_{\phi\phi}$0.06±.04; $M_{r\theta}$-1.99±.03; $M_{\theta\phi}$-0.32±.04; $M_{\phi r}$0.84±.03; Best double couple: NP1:ϕ_s66.00000°,δ28.00000°,λ58.00000°. NP2:ϕ_s281.00000°,δ66.00000°,λ106.00000°. Principal axes: T 3.3400,Plg65.0000°,Azm219.0000°; N -0.1900,Plg14.0000°,Azm95.0000° ; P -3.1500,Plg20.0000°,Azm360.0000° M_o3.20000×10^{17}

(173) Tonga Islands

ISC	**X**	**22 12 55 57.8–.07**	**18.47S–.02**	**175.40W–.02**	**235**	**6.0b**	**1139**	**6-176**
MOS	X	22 12 55 51.8–.72	18.29S	175.40W	190	6.0b,5.5s		**¶11360973**
ISCJB	X	22 12 55 56.3–.07	18.42S–.02	175.44W–.02	233	6.0b,5.5s		
BJI	X	22 12 55 57.5	17.86S	175.13W	234	6.3b,6.0b		
IDC	X	22 12 55 57.8–.56	18.53S	175.53W	233–4	5.7,5.7		
NEIC	X	22 12 55 57.4–.09	18.41S	175.35W	233	6.3W,6.3W		
SZGRF	X	22 12 55 58.1	18.73S	175.16W	238	6.3W,6.3W		
GCMT	X	22 12 56 03.2–.10	18.40S	174.98W	244–0	6.4W,6.3W		
DJA	X	22 12 56 08	18.55S	175.78W	320	6.7W,6.3W		

ISC Event type fe.
MOS Error ellipse: s-maj=7.5km s-min=5.8km az=53.4.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.6km az=43.8.
IDC Error ellipse: s-maj=9.9km s-min=7.0km az=127.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=148.0. Felt at Neiafu, Nuku'alofa and Tofoa. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s30.00000°,δ65.00000°,λ-90.00000°. NP2:ϕ_s210.00000°,δ25.00000°,λ-90.00000°. Principal axes: T Plg20.0000°,Azm120.0000°; N Plg0.0000°,Azm0.0000°; P Plg70.0000° ,Azm300.0000° Moment Tensor Solution. s113 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.24 $M_{\theta\theta}$1.14 $M_{\phi\phi}$1.11 $M_{r\theta}$-1.43 $M_{\theta\phi}$1.28 $M_{\phi r}$-2.96 Best double couple: NP1:ϕ_s241.00000° ,δ20.00000°,λ-60.00000°. NP2:ϕ_s30.00000°,δ73.00000°,λ-100.00000°. Principal axes: T 4.0100,Plg27.0000°,Azm127.0000°; N 0.0400,Plg9.0000°,Azm32.0000° ; P -4.0400,Plg60.0000°,Azm284.0000° M_o4.00000×10^{18} Moment Tensor Solution. M_o4.50000×10^{18}

SZGRF Tonga Islands.
GCMT Event type se. Data Used: II IU IC G CN. Mantle waves from 103 sta. Surface waves: sta=119, comp=300, per= 50. Moment Tensor Solution. s115,c300; s99,c196; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.77±.02 $M_{\theta\theta}$1.07±.02; $M_{\phi\phi}$0.70±.02; $M_{r\theta}$-1.70±.02; $M_{\theta\phi}$1.28±.02; $M_{\phi r}$-3.51±.02; Best double couple: NP1:ϕ_s252.00000°,δ17.00000°,λ-48.00000°. NP2:ϕ_s28.00000°,δ78.00000°,λ-102.00000°. Principal axes: T 4.4300,Plg32.0000° ,Azm128.0000°; N -0.0900,Plg11.0000°,Azm31.0000°; P -4.3400,Plg56.0000° ,Azm284.0000° M_o4.40000×10^{18}

(259) Mindanao

ISC	**X**	**22 17 12 44.8–.36**	**15.15N–.03**	**122.07E–.06**	**69–4**	**4.4b**	**78**	**0-87**
IDC	X	22 17 12 36.4–.64	15.16N	122.63E	0	4.5,4.3		**¶12070815**
NEIC	X	22 17 12 42.8–1.5	15.08N	122.42E	50–14	4.7b,4.3		
ISCJB	X	22 17 12 43.7–.37	15.14N–.03	122.11E–.06	78–4	4.4b,4.3		
MAN	X	22 17 12 44	9.38N	126.46E	1	5.5b,4.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=25.3km s-min=12.7km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=8.9km az=74.0. Felt [II PIVS] at Baler, Guinayangan, Makati and Quezon City, Luzon.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.3km az=163.9.
MAN Event type fe. INTENSITY II - QUEZON CITY MAKATI CITY; GUINAYANGAN QUEZON; BALER AURORA.

(259) Mindanao

ISC	**X**	**23 09 21 14.6–.12**	**6.01N–.01**	**125.95E–.02**	**130**	**5.8b**	**794**	**1-163**
BJI	X	23 09 21 11.9	5.85N	125.88E	127	5.7b,5.6b		**¶13397878**
ISCJB	X	23 09 21 12.9–.11	6.02N–.02	125.94E–.02	128	5.8b,5.6b		
MAN	X	23 09 21 12	5.70N	125.92E	107	5.8b,5.3s		
TEH	X	23 09 21 14.0	5.98N	125.86E	124	5.8b,5.3s		
IDC	X	23 09 21 14.6–.46	5.95N	125.78E	127–3	5.4,5.4		
MOS	X	23 09 21 15.1–1.0	6.08N	125.58E	138	5.8b,4.6s		
NEIC	X	23 09 21 15.1–.57	5.96N	125.78E	130–5	5.8b,5.6W		
DJA	X	23 09 21 15	6.06N	126.06E	130	5.9W,5.6W		
GCMT	X	23 09 21 17.0–.10	5.94N	125.98E	127–0	5.7W,5.6W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=175.2.
MAN Event type fe. INTENSITY III - GENERAL SANTOS CITY; INTENSITY II - KIDAPAWAN CITY.
IDC Error ellipse: s-maj=11.6km s-min=7.0km az=75.0.
MOS Error ellipse: s-maj=8.7km s-min=4.5km az=114.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.3km az=70.0. Felt [III PIVS] at Davao, General Santos and Kidapawan; [II PIVS] at Compostela, Manay and San Francisco. Also felt at Digos. Felt [III] at Naha, Indonesia. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}2.26 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-2.61 $M_{r\theta}$1.09 $M_{\theta\phi}$0.91 $M_{\phi r}$2.19 Best double couple: NP1: ϕ_s11.00000°,δ68.00000°,λ115.00000°. NP2:ϕ_s139.00000°,δ33.00000°,λ43.00000°. Principal axes: T 3.6500,Plg58.0000°,Azm317.0000°; N -0.1400,Plg23.0000°,Azm181.0000° ; P -3.5100,Plg19.0000°,Azm82.0000° M_o3.60000×10^{17}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=236, per= 50. Moment Tensor Solution. s106,c209; s26,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}2.32±.05 $M_{\theta\theta}$0.68±.05; $M_{\phi\phi}$-2.99±.06; $M_{r\theta}$1.39±.04; $M_{\theta\phi}$0.21±.05; $M_{\phi r}$2.89±.04; Best double couple: NP1:ϕ_s152.00000°,δ26.00000°,λ46.00000°. NP2:ϕ_s19.00000°,δ72.00000°,λ109.00000°. Principal axes: T 4.1300,Plg59.0000°,Azm316.0000°; N 0.1700,Plg18.0000°,Azm193.0000° ; P -4.2900,Plg24.0000°,Azm95.0000° M_o4.20000×10^{17}

(177) Kermadec Islands region

ISC	**X**	**24 00 26 09.8–.71**	**26.61S–.03**	**177.56W–.04**	**130–6**	**4.9b**	**375**	**3-169**
DJA	X	24 00 25 53	27.99S	177.11W	20	5.6b		**¶13397935**
BJI	X	24 00 26 06.0	26.12S	176.68W	125	5.7b,5.2b		
ISCJB	X	24 00 26 10.0–.74	26.60S–.02	177.62W–.04	144–7	4.8b,5.2b		
MOS	X	24 00 26 09.5–1.1	26.11S	177.57W	131	5.1b,5.2b		
NEIC	X	24 00 26 10.0–.86	26.58S	177.43W	140–7	5.0b,5.2b		
IDC	X	24 00 26 16.8–.81	26.16S	177.67W	187–7	4.5,4.5		
GCMT	X	24 00 26 17.1–.30	26.11S	177.30W	195–2	5.2W,4.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=27.3.
MOS Error ellipse: s-maj=13.5km s-min=11.6km az=3.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.3km az=143.0.
IDC Error ellipse: s-maj=12.4km s-min=10.2km az=163.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s42,c52; s81,c131; Moment tensor: Scale 10^{16}Nm; M_{rr}3.53±.22 $M_{\theta\theta}$-7.07±.22; $M_{\phi\phi}$3.54±.22; $M_{r\theta}$2.74±.21; $M_{\theta\phi}$1.18±.20; $M_{\phi r}$4.60±.18; Best double couple: NP1:ϕ_s311.00000°,δ48.00000°,λ153.00000°. NP2:ϕ_s59.00000°,δ70.00000°,λ45.00000°. Principal axes: T 8.6300,Plg45.0000° ,Azm284.0000°; N -0.8900,Plg42.0000°,Azm78.0000°; P -7.7400,Plg14.0000° ,Azm180.0000° M_o8.20000×10^{16}

(710) Pakistan

ISC	**X**	**26 01 28 56.6–.08**	**36.48N–.01**	**70.68E–.01**	**211**	**5.3b**	**1503**	**2-150**
SZGRF	X	26 01 28 24.7	34.54N	71.89E	33	6.1b,4.5s		**¶12071117**
BGS	X	26 01 28 53.3–1.8	35.79N	70.39E	210–999	5.3b,4.5s		
ISCJB	X	26 01 28 54.9–.07	36.45N–.01	70.65E–.01	209	5.3b,4.5s		
MOS	X	26 01 28 54.1–.96	36.49N	70.70E	204	5.3b,4.5s		
DJA	X	26 01 28 55	36.53N	70.70E	188	5.5W,4.5s		
TEH	X	26 01 28 56.0	36.53N	70.67E	208	5.5W,4.5s		
IDC	X	26 01 28 56.4–.45	36.46N	70.74E	214–3	5.1,5.0		
NEIC	X	26 01 28 56.1–.11	36.49N	70.68E	210	5.7W,5.5b		
BJI	X	26 01 28 57.3	36.59N	71.13E	215	5.4b,5.2b		
GCMT	X	26 01 28 58.2–.10	36.44N	70.46E	200–0	5.7W,5.2b		
NNC	X	26 01 29 01.2–3.4	37.05N	70.63E	221–29	6.2,5.1b		

ISC Event type fe.
SZGRF Pakistan.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=17.9.
MOS Error ellipse: s-maj=4.5km s-min=2.7km az=125.1.
IDC Error ellipse: s-maj=7.5km s-min=5.9km az=179.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=197.0. Felt [III] at Charikar and Kabul. Also felt at Bagrami, Feyzabad, Jurm, Paghman and Kandahar. Felt at Islamabad and Sargodha, Pakistan. Felt at Khorugh, Tajikistan. Moment Tensor Solution. s59 Moment tensor: Scale 10^{17}Nm; M_{rr}2.76 $M_{\theta\theta}$-1.99 $M_{\phi\phi}$-0.77 $M_{r\theta}$3.48 $M_{\theta\phi}$0.88 $M_{\phi r}$-0.16 Best double couple: NP1:ϕ_s308.00000°,δ20.00000°,λ118.00000°. NP2:ϕ_s99.00000° ,δ72.00000°,λ80.00000°. Principal axes: T 4.6100,Plg61.0000°,Azm353.0000° ; N -0.5600,Plg9.0000°,Azm101.0000°; P -4.0500,Plg26.0000°,Azm196.0000° M_o4.40000×10^{17}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=233, per= 50. Moment Tensor Solution. s99,c198; s48,c55; Moment tensor: Scale 10^{17}Nm; M_{rr}2.82±.05 $M_{\theta\theta}$-2.94±.06; $M_{\phi\phi}$0.12±.06; $M_{r\theta}$4.09±.05; $M_{\theta\phi}$0.28±.06; $M_{\phi r}$-0.50±.05; Best double couple: NP1:ϕ_s273.00000°,δ18.00000°,λ87.00000°. NP2:ϕ_s97.00000°,δ72.00000°,λ91.00000°. Principal axes: T 4.9600,Plg63.0000°,Azm8.0000°; N 0.1500,Plg1.0000°,Azm276.0000° ; P -5.1100,Plg27.0000°,Azm186.0000° M_o5.00000×10^{17}

NNC Error ellipse: s-maj=32.1km s-min=19.1km az=20.0.

(268) Sulawesi

ISC	**X**	**26 09 08 36.4–.13**	**0.18S–.02**	**123.06E–.02**	**97**	**5.4b**	**514**	**1-164**
BJI	X	26 09 08 26.4	1.01S	123.66E	90	5.6b,5.5b		**¶13398101**
NEIC	X	26 09 08 34.7–.13	0.14S	123.02E	81	5.6W,5.5b		
ISCJB	X	26 09 08 34.7–.13	0.17S–.02	123.07E–.02	95	5.4b,5.5b		
IDC	X	26 09 08 35.5–.48	0.16S	122.98E	91–3	5.0,5.0		
TEH	X	26 09 08 36.0	0.26S	123.06E	92	5.0,5.0		
MOS	X	26 09 08 36.5–1.5	0.07S	122.95E	108	5.5b,4.5s		
GCMT	X	26 09 08 37.4–.10	0.18S	123.16E	74–0	5.6W,4.5s		
DJA	X	26 09 08 37.7–.20	0S–2.0	123E–1.0	72–3	6.3,6.2b		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Gorontalo and Luwuk; [II] at Poso. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}2.02 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.84 $M_{\theta\phi}$-1.18 $M_{\phi r}$-0.07 Best double couple: NP1:ϕ_s220.00000°,δ39.00000°,λ66.00000°. NP2:ϕ_s70.00000° ,δ55.00000°,λ108.00000°. Principal axes: T 2.2500,Plg73.0000°,Azm27.0000° ; N 0.1200,Plg14.0000°,Azm239.0000°; P -2.3700,Plg8.0000°,Azm147.0000° M_o2.30000×10^{17}

ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=212, per= 50. Moment Tensor Solution. s87,c159; s26,c27; Moment tensor: Scale 10^{17}Nm; M_{rr}1.68±.04 $M_{\theta\theta}$-1.81±.04; $M_{\phi\phi}$0.13±.04; $M_{r\theta}$1.45±.03; $M_{\theta\phi}$-1.72±.03; $M_{\phi r}$-0.50±.03; Best double couple: NP1:ϕ_s207.00000°,δ44.00000°,λ36.00000°. NP2:ϕ_s90.00000°,δ66.00000°,λ128.00000°. Principal axes: T 2.7100,Plg53.0000°,Azm46.0000°; N 0.3300,Plg34.0000°,Azm252.0000° ; P -3.0400,Plg13.0000°,Azm153.0000° M_o2.90000×10^{17}

(277) Jawa

ISC	**X**	**26 21 12 11.1–.38**	**7.63S–.03**	**107.25E–.03**	**84–3**	**4.7b**	**290**	**1-156**
MOS	X	26 21 12 04.4–1.3	7.39S	107.32E	33	5.1b		**¶11362769**
BJI	X	26 21 12 05.6	7.60S	107.30E	73	5.3b,4.9s		
NEIC	X	26 21 12 06.3–.81	7.54S	107.23E	38–7	4.9b,4.9s		
IDC	X	26 21 12 07.7–2.0	7.37S	107.39E	48–18	4.5,4.5		
DJA	X	26 21 12 09.7–.30	8S–3.0	107E–2.0	48–5	5.5b,5.3		
ISCJB	X	26 21 12 09.9–.39	7.63S–.03	107.28E–.03	88–3	4.7b,5.3		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Pangandaran, [III] at Pelabuhanratu and [II] at Sukabumi.
ISCJB Event type fe.

(263) Talaud Islands

ISC	**X**	**29 19 54 41.6–.41**	**4.16N–.02**	**126.76E–.04**	**65–3**	**4.7b**	**318**	**1-161**
IDC	X	29 19 54 32.9–.46	4.10N	126.53E	0	4.6,4.6		**¶11378640**
BJI	X	29 19 54 35.5	3.87N	126.45E	37	5.0b,4.7s		
MOS	X	29 19 54 36.5–1.2	4.13N	126.54E	33	5.0b,4.5s		
NEIC	X	29 19 54 38.4–.24	4.15N	126.64E	35	5.0b,4.5s		
ISCJB	X	29 19 54 39.4–.47	4.18N–.02	126.79E–.04	61–4	4.8b,4.5s		
GCMT	X	29 19 54 40.6–.20	4.30N	126.80E	22–0	5.2W,4.5s		
DJA	X	29 19 54 42.4–.90	4N–4.0	127E–4.0	21–8	5.5b,5.4		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c107; s70,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}5.26±.20 $M_{\theta\theta}$-1.09±.12; $M_{\phi\phi}$-4.17±.17; $M_{r\theta}$-1.88±.24; $M_{\theta\phi}$-4.30±.12; $M_{\phi r}$3.12±.26; Best double couple: NP1:ϕ_s243.00000°,δ46.00000°,λ135.00000°. NP2:ϕ_s8.00000°,δ59.00000°,λ54.00000°. Principal axes: T 7.4300,Plg58.0000° ,Azm225.0000°; N -0.0500,Plg31.0000°,Azm28.0000°; P -7.3900,Plg7.0000°,Azm123.0000° M_o7.40000×10^{16}

(266) Northern Molucca Sea

ISC	**X**	**30 22 38 13.8–.28**	**1.47N–.02**	**126.98E–.02**	**109–2**	**5.0b**	**388**	**1-159**
BJI	X	30 22 38 06.7	0.94N	127.15E	96	5.0b,4.9b		**¶11379129**
MOS	X	30 22 38 10.6–.98	1.42N	126.85E	95	5.1b,4.9b		
NEIC	X	30 22 38 11.8–.75	1.43N	126.97E	93–7	5.1b,4.9b		
ISCJB	X	30 22 38 12.6–.30	1.50N–.02	126.98E–.02	113–2	5.0b,4.9b		
IDC	X	30 22 38 12.4–1.1	1.41N	126.94E	98–9	4.5,4.5		
DJA	X	30 22 38 15.2–.20	1N–2.0	127E–2.0	93–3	5.7b,5.4		

ISC Event type fe.
NEIC Event type fe. Felt [II] on Ternate, Indonesia.
ISCJB Event type fe.

(186) Vanuatu Islands

ISC	**XI**	**04 18 35 46.6–.08**	**17.13S–.02**	**168.45E–.02**	**211**	**5.5b**	**870**	**5-175**
NOU	XI	04 18 35 36.4–.99	16.30S	168.74E	30–0	4.3L,3.7		**¶11392454**
MOS	XI	04 18 35 44.3–1.0	17.10S	168.54E	201	5.7b,5.4s		
NEIC	XI	04 18 35 45.3–.10	17.14S	168.46E	206	6.3W,6.2W		
ISCJB	XI	04 18 35 45.1–.08	17.11S–.02	168.40E–.02	209	5.5b,6.2W		
LDG	XI	04 18 35 45.0–.14	16.90S	168.20E	190–0	5.5b,5.3s		
IDC	XI	04 18 35 45.2–.60	17.12S	168.45E	203–4	5.3s,5.3		
BJI	XI	04 18 35 46.7	16.58S	168.42E	206	5.8b,5.5b		
GCMT	XI	04 18 35 53.2–.10	17.03S	168.31E	232–0	6.3W,5.5b		
DJA	XI	04 18 36 05	17.20S	167.13E	316	5.6b,5.5b		

ISC Event type ke.
NOU Error ellipse: s-maj=22.1km s-min=71.5km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=6.7km az=90.8.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.6km az=159.0. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s115.00000°,δ65.00000° ,λ155.00000°. NP2:ϕ_s216.00000°,δ67.00000°,λ27.00000°. Principal axes: T Plg35.0000° ,Azm76.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000°,Azm345.0000° Moment Tensor Solution. s70 Moment tensor: Scale 10^{18}Nm; M_{rr}1.48 $M_{\theta\theta}$-2.31 $M_{\phi\phi}$0.84 $M_{r\theta}$0.23 $M_{\theta\phi}$-1.52 $M_{\phi r}$-0.75 Best double couple: NP1:ϕ_s213.00000°,δ60.00000°,λ36.00000°. NP2:ϕ_s103.00000° ,δ59.00000°,λ145.00000°. Principal axes: T 2.2500,Plg45.0000°,Azm68.0000° ; N 0.6800,Plg44.0000°,Azm246.0000°; P -2.9300,Plg0.0000°,Azm337.0000° M_o2.60000×10^{18} Moment Tensor Solution. M_o2.10000×10^{18}

ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=144.8.
LDG Event type ke. Error ellipse: s-maj=17.2km s-min=4.3km az=99.0.
IDC Error ellipse: s-maj=8.8km s-min=7.7km az=40.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 104 sta. Surface waves: sta=125, comp=312, per= 50. Moment Tensor Solution. s121,c292; s99,c188; Moment tensor: Scale 10^{18}Nm; M_{rr}1.69±.02 $M_{\theta\theta}$-3.66±.02; $M_{\phi\phi}$1.98±.02; $M_{r\theta}$0.34±.02; $M_{\theta\phi}$-2.16±.02; $M_{\phi r}$-1.44±.02; Best double couple: NP1:ϕ_s111.00000°,δ65.00000°,λ154.00000°. NP2:ϕ_s212.00000°,δ67.00000°,λ28.00000°. Principal axes: T 3.7600,Plg35.0000° ,Azm72.0000°; N 0.6400,Plg55.0000°,Azm249.0000°; P -4.4000,Plg1.0000°,Azm341.0000° M_o4.10000×10^{18}

(263) Talaud Islands

ISC	**XI**	**07 07 39 37.6–.39**	**4.66N–.03**	**125.99E–.06**	**167–4**	**4.4b**	**61**	**1-122**
ISCJB	XI	07 07 39 36.6–.39	4.66N–.03	126.01E–.06	173–4	4.4b		**¶12072642**
MAN	XI	07 07 39 37	4.79N	125.76E	191	4.8b,3.8s		
NEIC	XI	07 07 39 38.0–.98	4.71N	125.95E	178–10	4.9b,3.8s		
IDC	XI	07 07 39 38.0–.95	4.71N	125.96E	177–10	5.5s,5.5		
DJA	XI	07 07 39 38	4.61N	126.08E	146	4.9b,5.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.7km az=175.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.6km az=77.0.
IDC Error ellipse: s-maj=25.1km s-min=10.8km az=79.0.

(173) Tonga Islands

ISC	**XI**	**08 07 50 01.5–.09**	**15.27S–.03**	**174.29W–.02**	**141**	**5.4b**	**927**	**8-176**
ISCJB	XI	08 07 49 59.7–.09	15.27S–.03	174.31W–.02	139	5.4b		**¶11396811**
NEIC	XI	08 07 49 59.0–.11	15.22S	174.23W	121	6.0W,5.9W		
IDC	XI	08 07 50 00.9–.56	15.20S	174.26W	137–5	5.1,5.1		
DJA	XI	08 07 50 00	15.23S	174.22W	128	6.0W,5.1		

MOS	XI	08 07 50 00.9–.65	15.34S	174.15W	162	5.5b,5.2s	
BJI	XI	08 07 50 00.5	14.78S	174.18W	139	5.6b,5.4b	
GCMT	XI	08 07 50 04.5–.10	15.07S	173.94W	132–0	6.0W,5.4b	

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.2km az=150.2.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.2km az=148.0. Felt at Apia, Samoa. Moment Tensor Solution. s110 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s223.00000°,δ11.00000°,λ-98.00000°. NP2:ϕ_s51.00000°,δ79.00000°,λ-88.00000°. Principal axes: T 1.0500,Plg33.0000° ,Azm139.0000°; N 0.0500,Plg1.0000°,Azm230.0000°; P -1.1000,Plg56.0000°,Azm323.0000° M_o1.10000×10^{18}
IDC Error ellipse: s-maj=11.3km s-min=9.6km az=115.0.
MOS Error ellipse: s-maj=17.3km s-min=11.3km az=1.6.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=119, comp=285, per= 50. Moment Tensor Solution. s112,c268; s81,c105; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s313.00000° ,δ31.00000°,λ-17.00000°. NP2:ϕ_s58.00000°,δ81.00000°,λ-120.00000°. Principal axes: T 1.0000,Plg30.0000°,Azm172.0000°; N 0.2900,Plg30.0000°,Azm63.0000° ; P -1.2800,Plg45.0000°,Azm297.0000° M_o1.10000×10^{18}

(173) Tonga Islands

ISC	**XI**	**08 09 15 51.9–.11**	**15.30S–.03**	**174.23W–.02**	**139**	**5.2b**	**831**	**8-176**
MOS	XI	08 09 15 46.5–.99	15.09S	174.25W	100	5.4b,4.7s		¶11396817
BJI	XI	08 09 15 48.7	15.26S	173.39W	149	5.3b,5.1b		
DJA	XI	08 09 15 49	15.18S	174.22W	111	5.7b,5.1b		
IDC	XI	08 09 15 49.8–1.7	15.19S	174.28W	119–14	5.0,5.0		
ISCJB	XI	08 09 15 50.1–.11	15.30S–.03	174.26W–.02	137	5.2b,5.0		
NEIC	XI	08 09 15 51.9–.11	15.22S	174.21W	140	5.3b,5.0		
GCMT	XI	08 09 15 54.5–.20	15.04S	173.93W	138–1	5.5W,5.0		

ISC Event type se.
MOS Error ellipse: s-maj=9.4km s-min=6.6km az=137.9.
IDC Error ellipse: s-maj=11.0km s-min=7.5km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.6km az=152.1.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.0km az=145.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=197, per= 50. Moment Tensor Solution. s84,c124; s24,c25; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.78±.05 $M_{\theta\theta}$1.77±.06; $M_{\phi\phi}$-0.99±.06; $M_{r\theta}$0.35±.04; $M_{\theta\phi}$-0.26±.06; $M_{\phi r}$-2.10±.04; Best double couple: NP1:ϕ_s65.00000°,δ42.00000°,λ-159.00000°. NP2:ϕ_s320.00000°,δ76.00000°,λ-49.00000°. Principal axes: T 2.0100,Plg21.0000°,Azm20.0000°; N 0.9800,Plg39.0000°,Azm128.0000° ; P -2.9900,Plg44.0000°,Azm269.0000° M_o2.50000×10^{17}

(280) Banda Sea

ISC	**XI**	**09 10 38 54.1–.46**	**7.26S–.03**	**129.51E–.03**	**136–4**	**5.2b**	**367**	**3-161**
BJI	XI	09 10 38 40.6	7.76S	129.81E	74	5.4b,5.4b		¶11406522
NEIC	XI	09 10 38 50.4–.78	7.20S	129.38E	98–6	5.3b,5.4b		
MOS	XI	09 10 38 51.1–1.1	7.02S	129.45E	110	5.5b,5.4b		
GCMT	XI	09 10 38 52.4–.20	7.36S	129.46E	114–1	5.2W,5.4b		
IDC	XI	09 10 38 52.1–1.3	7.18S	129.43E	110–10	5.0,5.0b		
DJA	XI	09 10 38 53.0–.40	7S–3.0	130E–2.0	96–11	5.9b,5.8		
ISCJB	XI	09 10 38 53.6–.49	7.23S–.03	129.48E–.03	146–4	5.2b,5.8		

ISC Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c72; s90,c141; Moment tensor: Scale 10^{16}Nm; M_{rr}6.02±.13 $M_{\theta\theta}$-4.17±.17; $M_{\phi\phi}$-1.85±.18; $M_{r\theta}$2.20±.13; $M_{\theta\phi}$-3.40±.15; $M_{\phi r}$0.16±.14; Best double couple: NP1:ϕ_s223.00000°,δ38.00000°,λ73.00000°. NP2:ϕ_s65.00000°,δ54.00000°,λ103.00000°. Principal axes: T 6.5100,Plg76.0000° ,Azm18.0000°; N 0.3700,Plg11.0000°,Azm237.0000°; P -6.8800,Plg8.0000°,Azm146.0000° M_o6.70000×10^{16}
ISCJB Event type se.

(274) Southern Sumatera

ISC	**XI**	**10 08 58 50.1–.26**	**0.33S–.02**	**99.97E–.02**	**121–2**	**5.4b**	**705**	**1-160**
SZGRF	XI	10 08 58 23.8	3.57S	101.28E	33	5.7b		¶13399737
BJI	XI	10 08 58 35.4	0.81S	100.17E	39	5.3b,5.2b		
TEH	XI	10 08 58 41.0	0.25S	100.01E	35	5.3b,5.2b		
DJA	XI	10 08 58 49.7–.20	0S–3.0	100E–3.0	106–3	5.7b,5.5		
ISCJB	XI	10 08 58 49.1–.26	0.28S–.02	100.01E–.03	127–2	5.3b,5.5		
MOS	XI	10 08 58 49.3–.96	0.11S	100.17E	125	5.5b,5.5		
IDC	XI	10 08 58 50.4–1.1	0.26S	100.13E	126–9	4.9,4.9		
NEIC	XI	10 08 58 50.5–.73	0.26S	100.14E	126–6	5.3b,4.9		
GCMT	XI	10 08 58 51.4–.30	0.28S	100.23E	128–2	5.1W,4.9		

ISC Event type fe.
SZGRF Southern Sumatera, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.7km az=136.8.
MOS Error ellipse: s-maj=9.5km s-min=4.3km az=117.4.
IDC Error ellipse: s-maj=12.2km s-min=6.6km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.0km az=48.0. Felt [III] at Padang and [II] at Padangpanjang.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c40; s62,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}2.39±.19 $M_{\theta\theta}$-3.20±.23; $M_{\phi\phi}$0.82±.27; $M_{r\theta}$2.09±.15; $M_{\theta\phi}$-4.89±.21; $M_{\phi r}$0.22±.18; Best double couple: NP1:ϕ_s192.00000°,δ62.00000°,λ12.00000°. NP2:ϕ_s97.00000°,δ79.00000°,λ152.00000°. Principal axes: T 4.6100,Plg27.0000° ,Azm51.0000°; N 2.2600,Plg60.0000°,Azm258.0000°; P -6.8500,Plg11.0000°,Azm147.0000° M_o5.70000×10^{16}

(177) Kermadec Islands region

ISC	**XI**	**10 09 52 01.4–.41**	**32.06S–.03**	**179.31W–.04**	**113–4**	**5.0b**	**435**	**3-172**
BJI	XI	10 09 51 59.1	31.13S	178.36W	107	5.5b,5.3b		¶13399740
ISCJB	XI	10 09 52 00.0–.46	32.06S–.03	179.37W–.04	113–4	5.0b,5.3b		
DJA	XI	10 09 52 00	32.43S	178.40W	153	5.0b,5.3b		
NEIC	XI	10 09 52 02.5–.85	31.98S	179.30W	130–7	5.2b,5.3b		
MOS	XI	10 09 52 03.1–.96	31.74S	179.38W	139	5.3b,5.3b		
GCMT	XI	10 09 52 07.5–.30	31.61S	179.21W	151–2	5.1W,5.3b		
IDC	XI	10 09 52 07.1–.88	31.68S	179.41W	166–7	4.5,4.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.0km az=34.3.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.4km az=142.0.
MOS Error ellipse: s-maj=13.2km s-min=10.7km az=68.9.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s35,c39; s69,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.75±.17 $M_{\theta\theta}$-2.07±.20; $M_{\phi\phi}$4.82±.17; $M_{r\theta}$-2.99±.15; $M_{\theta\phi}$2.53±.17; $M_{\phi r}$1.03±.15; Best double couple: NP1:ϕ_s54.00000°,δ60.00000°,λ-34.00000°. NP2:ϕ_s163.00000°,δ61.00000°,λ-145.00000°. Principal axes: T 5.6500,Plg0.0000° ,Azm288.0000°; N 0.3400,Plg46.0000°,Azm198.0000°; P -5.9900,Plg44.0000°,Azm18.0000° M_o5.80000×10^{16}
IDC Error ellipse: s-maj=12.1km s-min=10.0km az=7.0.

(224) Hokkaido region

ISC	**XI**	**10 11 05 08.4–.24**	**45.14N–.03**	**145.42E–.04**	**239–2**	**4.5b**	**380**	**1-151**
NIED	XI	10 11 05 00	44.90N	145.50E	260	4.5W		¶13399744
MOS	XI	10 11 05 05.1–.77	45.48N	145.21E	203	4.6b		
BJI	XI	10 11 05 07.9	45.25N	145.25E	241	4.8b,4.8b		
ISCJB	XI	10 11 05 07.6–.24	45.14N–.04	145.39E–.04	244–2	4.5b,4.8b		
NEIC	XI	10 11 05 08.8–.44	45.19N	145.34E	241–4	4.7b,4.5W		
IDC	XI	10 11 05 09.0–.49	45.18N	145.27E	244–4	4.1,4.1		
JMA	XI	10 11 05 09.1–.30	44.88N	145.46E	246–3	4.5,4.1		
SKHL	XI	10 11 05 09.4–.60	45.09N	145.21E	206–5	6.4b,6.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s43.00000°,δ86.00000°,λ-119.00000°. NP2:ϕ_s305.00000°,δ30.00000°,λ-8.00000°. M_o6.06000×10^{15}
MOS Error ellipse: s-maj=9.9km s-min=5.7km az=115.8.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.7km az=150.8.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.6km az=141.0. Moment Tensor Solution. M_o6.10000×10^{15}
IDC Error ellipse: s-maj=9.6km s-min=7.3km az=143.0.
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.

(296) Myanmar

ISC	**XI**	**10 20 55 05.3–.14**	**23.00N–.03**	**94.36E–.03**	**110**	**4.8b**	**513**	**3-162**
SZGRF	XI	10 20 54 51.5	21.67N	96.82E	108	5.5b		¶13399780
BJI	XI	10 20 54 55.1	22.78N	94.23E	34	5.0b,4.9L		
DJA	XI	10 20 55 00	23.01N	94.19E	60	5.2b,4.9L		
MOS	XI	10 20 55 01.1–.87	23.05N	94.50E	89	4.8b,4.9L		
ISCJB	XI	10 20 55 03.2–.14	23.02N–.03	94.37E–.03	108	4.8b,4.9L		
NEIC	XI	10 20 55 04.5–.14	23.02N	94.57E	108	4.7b,4.9L		
IDC	XI	10 20 55 04.7–.41	23.02N	94.56E	108–3	4.5,4.4		
LDG	XI	10 20 55 06.7–.29	23.16N	93.74E	109–0	4.6b,2.9s		

ISC Event type ke.
SZGRF Myanmar.
MOS Error ellipse: s-maj=12.1km s-min=4.0km az=126.5.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.6km az=43.1.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.3km az=52.0.
IDC Error ellipse: s-maj=11.7km s-min=7.6km az=53.0.
LDG Event type ke. Error ellipse: s-maj=14.0km s-min=9.1km az=119.0.

(274) Southern Sumatera

ISC	**XI**	**11 01 46 13.1–.19**	**4.23S–.03**	**102.10E–.02**	**68**	**4.8b**	**346**	**1-150**
MOS	XI	11 01 46 08.0–1.1	4.07S	102.28E	40	5.1b		¶11433888
BJI	XI	11 01 46 11.9	4.20S	102.20E	79	5.1b,4.9b		
ISCJB	XI	11 01 46 11.2–.19	4.23S–.03	102.07E–.02	66	4.8b,4.9b		
IDC	XI	11 01 46 12.5–.36	4.03S	102.32E	68–3	4.5,4.4		
NEIC	XI	11 01 46 12.5–.19	4.15S	102.19E	66	5.0b,4.4		
DJA	XI	11 01 46 13.8–.30	4S–3.0	102E–2.0	60–3	5.7b,5.4		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Bengkulu and Kapahiang and [II] at Mukomuko.

(153) South Sandwich Islands region

ISC	**XI**	**13 15 10 16.6–.26**	**56.07S–.05**	**27.20W–.08**	**87**	**5.3b**	**110**	**19-176**
MOS	XI	13 15 10 10.8–1.7	56.12S	27.30W	52	5.7b,4.9s		¶11451615
DJA	XI	13 15 10 10	55.94S	26.97W	10	5.5b,4.9s		
ISCJB	XI	13 15 10 14.7–.26	55.96S–.05	27.20W–.08	85	5.3b,4.9s		
IDC	XI	13 15 10 15.8–.68	56.00S	27.08W	84–5	5.0,5.0		
NEIC	XI	13 15 10 15.9–.18	55.96S	27.23W	87	5.6W,5.6W		
BJI	XI	13 15 10 15.0	56.00S	27.30W	88	5.6s,5.3b		
GCMT	XI	13 15 10 18.2–.10	56.05S	26.93W	74–0	5.6W,5.3b		

ISC Event type se.
MOS Error ellipse: s-maj=19.2km s-min=11.4km az=96.2.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.4km az=20.0.
IDC Error ellipse: s-maj=12.1km s-min=9.7km az=65.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.3km az=201.0. Moment Tensor Solution. s36 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.29 $M_{\theta\theta}$1.19 $M_{\phi\phi}$1.10 $M_{r\theta}$-1.89 $M_{\theta\phi}$1.47 $M_{\phi r}$0.45 Best double couple: NP1:ϕ_s74.00000°,δ63.00000°,λ-61.00000°. NP2:ϕ_s203.00000° ,δ39.00000°,λ-134.00000°. Principal axes: T 2.8700,Plg13.0000°,Azm142.0000° ; N 0.4900,Plg25.0000°,Azm239.0000°; P -3.3600,Plg60.0000°,Azm27.0000° M_o3.10000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=104, comp=209, per= 50. Moment Tensor Solution. s104,c204; s30,c30; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.07±.03 $M_{\theta\theta}$2.07±.04; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$-1.58±.03; $M_{\theta\phi}$1.35±.03; $M_{\phi r}$0.40±.03; Best double couple: NP1:ϕ_s219.00000°,δ37.00000°,λ-132.00000°. NP2:ϕ_s87.00000°,δ63.00000°,λ-64.00000°. Principal axes: T 3.0600,Plg14.0000°,Azm158.0000°; N -0.2000,Plg23.0000°,Azm254.0000° ; P -2.8500,Plg62.0000°,Azm39.0000° M_o3.00000×10^{17}

(189) Southeast of Loyalty Islands

ISC	**XI**	**14 22 53 00.6–.60**	**21.63S–.04**	**170.57E–.04**	**152–4**	**5.4b**	**234**	**3-166**
SZGRF	XI	14 22 52 38.1	22.22S	172.39E	198	5.4b		¶12923036
DJA	XI	14 22 52 44	21.61S	170.88E	10	5.8b		
NOU	XI	14 22 52 54.9–1.3	20.50S	170.75E	10–0	4.0L,3.6		
ISCJB	XI	14 22 52 59.8–.65	21.63S–.04	170.54E–.04	159–5	5.4b,3.6		
MOS	XI	14 22 53 00.8–1.3	21.60S	170.47E	161	5.2b,4.1s		
IDC	XI	14 22 53 00.3–.82	21.63S	170.63E	154–6	5.2,5.2		
NEIC	XI	14 22 53 00.9–.18	21.63S	170.56E	157	5.5b,5.2		
BJI	XI	14 22 53 00.8	21.60S	170.50E	164	5.2b,5.1b		
LDG	XI	14 22 53 00.0–.24	21.02S	170.50E	140–0	5.6b,4.1s		
BGS	XI	14 22 53 02.8–4.5	21.63S	170.56E	157–0	5.5b,4.1s		
GCMT	XI	14 22 53 02.5–.10	21.62S	170.55E	149–1	5.3W,4.1s		

ISC Event type ke.
SZGRF Southeast of Loyalty Islands.
NOU Error ellipse: s-maj=65.9km s-min=31.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.6km az=156.9.
MOS Error ellipse: s-maj=10.7km s-min=8.8km az=37.0.
IDC Error ellipse: s-maj=11.8km s-min=10.3km az=130.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.8km az=121.0.
LDG Event type ke. Error ellipse: s-maj=23.4km s-min=4.6km az=155.0.
BGS Error ellipse: s-maj=302.7km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 97, comp=174, per= 50. Moment Tensor Solution. s83,c129; s11,c11; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s96.00000°,δ53.00000° ,λ13.00000°. NP2:ϕ_s358.00000°,δ80.00000°,λ142.00000°. Principal axes: T 1.2900,Plg34.0000°,Azm310.0000°; N -0.1400,Plg51.0000°,Azm165.0000° ; P -1.1500,Plg17.0000°,Azm52.0000° M_o1.20000×10^{17}

(73) El Salvador

ISC	**XI**	**15 23 03 19.3–.13**	**13.14N–.02**	**88.81W–.02**	**72**	**5.2b**	**746**	**0-174**
MEX	XI	15 23 03 14.3–.38	12.20N	89.10W	65–51	5.0		¶13400293
BJI	XI	15 23 03 16.5	13.00N	88.90W	49	5.9s,5.8		
NEIC	XI	15 23 03 16.6–.22	13.05N	88.75W	48	6.0,5.7W		
ISCJB	XI	15 23 03 17.4–.13	13.13N–.02	88.82W–.02	70	5.2b,5.7W		
CASC	XI	15 23 03 18.7–2.3	12.99N	89.03W	43–24	5.5L,5.4b		
IDC	XI	15 23 03 20.1–.55	13.32N	88.53W	74–3	5.2s,5.2		
GCMT	XI	15 23 03 20.7–.10	12.97N	89.08W	64–1	5.8W,5.2		
MOS	XI	15 23 03 21.4–1.1	13.32N	88.61W	99	5.3s,5.2b		
SZGRF	XI	15 23 03 26.6	13.86N	85.41W	33	4.9b,5.2b		

ISC Event type fe.
MEX Error ellipse: s-maj=19.6km s-min=19.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.9km az=40.0. Felt [VI] at La Libertad and San Salvador; [V] at Antiguo Cuscatlan and Nueva San Salvador; [IV] at Mejicanos. Also felt at Ayutuxtepeque, Chinameca, Colon, Delgado, Ilopango, Quezaltepeque, San Marcos, Sensuntepeque, Soyapango and Zacatecoluca. Felt [III] at Tegucigalpa, Honduras. Also felt at San Pedro Sula. Felt [II] at Managua, Nicaragua. Felt at Antigua Guatemala, Guatemala and Panajachel, Guatemala. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s114 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.20 $M_{\theta\theta}$0.17 $M_{\phi\phi}$1.03 $M_{r\theta}$4.18 $M_{\theta\phi}$-0.59 $M_{\phi r}$-2.84 Best double couple: NP1:ϕ_s173.00000°,δ9.00000°,λ-43.00000°. NP2:ϕ_s305.00000° ,δ84.00000°,λ-97.00000°. Principal axes: T 5.1200,Plg38.0000°,Azm41.0000° ; N 0.1900,Plg6.0000°,Azm306.0000°; P -5.3000,Plg50.0000°,Azm207.0000° M_o5.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=1.8km az=35.0.
CASC Error ellipse: s-maj=6.2km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=13.4km s-min=7.6km az=67.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=228, per= 50. Moment Tensor Solution. s108,c240; s30,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}0.19±.06 $M_{\theta\theta}$-1.15±.06; $M_{\phi\phi}$0.97±.07; $M_{r\theta}$5.24±.06; $M_{\theta\phi}$0.94±.05; $M_{\phi r}$-3.52±.06; Best double couple: NP1:ϕ_s245.00000°,δ7.00000°,λ30.00000°. NP2:ϕ_s125.00000°,δ87.00000°,λ96.00000°. Principal axes: T 5.8100,Plg48.0000°,Azm42.0000°; N 1.1700,Plg6.0000°,Azm305.0000° ; P -6.9800,Plg41.0000°,Azm210.0000° M_o6.40000×10^{17}
MOS Error ellipse: s-maj=6.9km s-min=4.3km az=98.2.
SZGRF Nicaragua.

(202) New Guinea

ISC	**XI**	**19 00 54 45.0–.57**	**5.06S–.03**	**143.66E–.03**	**105–5**	**5.2b**	**288**	**4-149**
BJI	XI	19 00 54 42.7	4.96S	144.17E	116	5.3b,5.2b		¶11458352
ISCJB	XI	19 00 54 43.2–.60	5.05S–.03	143.65E–.03	104–5	5.2b,5.2b		
MOS	XI	19 00 54 43.4–1.0	5.00S	143.60E	105	5.0b,5.2b		
IDC	XI	19 00 54 44.6–1.7	5.04S	143.65E	103–16	4.9,4.9		
NEIC	XI	19 00 54 45.9–.13	5.03S	143.60E	115	5.0b,4.9		
DJA	XI	19 00 54 47	5.10S	143.53E	117	5.5b,4.9		
GCMT	XI	19 00 54 48.4–.10	4.95S	143.39E	111–1	5.4W,4.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.3km az=156.8.
MOS Error ellipse: s-maj=10.2km s-min=6.1km az=106.0.
IDC Error ellipse: s-maj=15.1km s-min=10.2km az=96.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.1km az=80.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c130; s96,c183; Moment tensor: Scale 10^{17}Nm; M_{rr}0.29±.02 $M_{\theta\theta}$-1.11±.02; $M_{\phi\phi}$0.82±.03; $M_{r\theta}$-0.31±.02; $M_{\theta\phi}$-0.70±.02; $M_{\phi r}$0.67±.02; Best double couple: NP1:ϕ_s32.00000°,δ66.00000°,λ21.00000°. NP2:ϕ_s293.00000°,δ71.00000°,λ154.00000°. Principal axes: T 1.5000,Plg31.0000° ,Azm251.0000°; N -0.1500,Plg58.0000°,Azm79.0000°; P -1.3400,Plg4.0000°,Azm343.0000° M_o1.40000×10^{17}

(112) Peru-Brazil border region

ISC	**XI**	**19 07 49 53.8–.16**	**7.81S–.03**	**74.38W–.02**	**151**	**5.1b**	**982**	**4-168**
ISCJB	XI	19 07 49 52.0–.15	7.76S–.03	74.47W–.02	150	5.1b		¶11458363
MOS	XI	19 07 49 51.9–.91	7.66S	74.50W	145	5.3b		
NEIC	XI	19 07 49 53.4–.13	7.80S	74.43W	150	5.3b		

BJI XI 19 07 49 53.5 7.80S 74.40W 144 5.6b
IDC XI 19 07 49 53.6–.41 7.75S 74.35W 151–3 5.0,5.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.7km az=28.6.
MOS Error ellipse: s-maj=8.6km s-min=5.0km az=103.8.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=46.0. Felt [III] at Pucallpa and [II] at Contamana.
IDC Error ellipse: s-maj=13.2km s-min=8.7km az=65.0.

(193) Bougainville - Solomon Islands region

ISC	**XI**	**21 07 05 35.9–.08**	**8.94S–.02**	**159.54E–.02**	**123**	**6.0b**	**1004**	**1-173**
BJI	XI	21 07 05 30.3	8.85S	160.02E	108	6.1b,5.9b		**¶11473150**
NOU	XI	21 07 05 31.5–2.4	9.69S	158.03E	16–999	6.1b,5.9b		
MOS	XI	21 07 05 33.4–.87	8.79S	159.51E	110	6.0b,5.1s		
NEIC	XI	21 07 05 34.9–.10	8.95S	159.55E	118	6.3,6.1W		
ISCJB	XI	21 07 05 34.2–.08	8.95S–.02	159.49E–.02	122	6.0b,6.1W		
IDC	XI	21 07 05 34.9–.36	8.94S	159.64E	119–3	5.5,5.5		
GCMT	XI	21 07 05 36.6–.10	8.97S	159.73E	126–0	6.0W,5.5		
DJA	XI	21 07 05 42	8.93S	159.65E	193	5.9W,5.5		

ISC Event type fe.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.3km s-min=5.6km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=3.4km az=149.0. Felt [IV] at Honiara. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s315.00000°,δ55.00000°,λ90.00000°. NP2:ϕ_s135.00000°,δ35.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm225.0000°; N Plg0.0000°,Azm0.0000°; P Plg10.0000° ,Azm45.0000° Moment Tensor Solution. s73 Moment tensor: Scale 10^{18}Nm; M_{rr}1.49 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-0.84 $M_{r\theta}$-0.53 $M_{\theta\phi}$0.41 $M_{\phi r}$0.10 Best double couple: NP1:ϕ_s310.00000° ,δ55.00000°,λ78.00000°. NP2:ϕ_s150.00000°,δ37.00000°,λ106.00000°. Principal axes: T 1.6100,Plg76.0000°,Azm180.0000°; N -0.3800,Plg9.0000°,Azm316.0000° ; P -1.2300,Plg8.0000°,Azm48.0000° M_o1.50000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=176.5.
IDC Error ellipse: s-maj=9.0km s-min=7.6km az=73.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=126, comp=288, per= 50. Moment Tensor Solution. s117,c256; s75,c92; Moment tensor: Scale 10^{18}Nm; M_{rr}1.01±.01 $M_{\theta\theta}$-0.44±.01; $M_{\phi\phi}$-0.57±.01; $M_{r\theta}$-0.70±.01; $M_{\theta\phi}$0.61±.01; $M_{\phi r}$0.04±.01; Best double couple: NP1:ϕ_s158.00000°,δ36.00000°,λ126.00000°. NP2:ϕ_s296.00000°,δ61.00000°,λ67.00000°. Principal axes: T 1.3100,Plg65.0000°,Azm165.0000°; N -0.0800,Plg20.0000°,Azm308.0000° ; P -1.2400,Plg14.0000°,Azm43.0000° M_o1.30000×10^{18}

(221) Kuril Islands

ISC	**XI**	**21 08 32 54.0–.87**	**43.95N–.09**	**147.3E–.10**	**80–8**	**4.0b**	**45**	**1-82**
NIED	XI	21 08 32 00	43.90N	147.20E	130	5.1W		**¶11750972**
MOS	XI	21 08 32 47.6–1.1	43.48N	147.85E	46	4.4b		
ISCJB	XI	21 08 32 53.0–.84	43.95N–.09	147.3E–.10	88–8	4.0b		
SKHL	XI	21 08 32 54.6–.60	43.84N	147.42E	50–10	5.6b		
JMA	XI	21 08 32 54.8–.20	43.88N	147.20E	83–4	3.9		
IDC	XI	21 08 32 57.9–3.6	44.16N	146.93E	120–40	4.3s,4.3		

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s63.00000°,δ89.00000°,λ48.00000°. NP2:ϕ_s332.00000°,δ42.00000°,λ179.00000°. M_o4.79000×10^{16}
MOS Error ellipse: s-maj=29.0km s-min=23.0km az=92.5.
ISCJB Error ellipse: s-maj=18.2km s-min=6.2km az=138.4.
JMA Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=58.9km s-min=38.3km az=179.0.

(221) Kuril Islands

ISC	**XI**	**21 12 30 18.1–.44**	**49.36N–.06**	**153.91E–.08**	**137–4**	**4.3b**	**153**	**2-148**
SKHL	XI	21 12 30 12.5–2.5	48.31N	155.71E	140–9	6.1s,5.2b		**¶11528397**
MOS	XI	21 12 30 16.4–1.1	49.44N	153.89E	138	4.1b,5.2b		
ISCJB	XI	21 12 30 17.0–.46	49.36N–.06	153.92E–.08	144–4	4.3b,5.2b		
KRSC	XI	21 12 30 16.6–2.2	48.92N	155.37E	183–83	4.8L,5.2b		
IDC	XI	21 12 30 19.6–.73	49.40N	153.86E	150–6	3.9,3.9		
NEIC	XI	21 12 30 20.1–.78	49.42N	153.90E	154–7	4.5b,3.9		

ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=6.5km az=62.8.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=4.5km az=138.6.
KRSC Event type se.
IDC Error ellipse: s-maj=13.1km s-min=7.6km az=147.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.4km az=151.0.

(181) Fiji Islands region

ISC	**XI**	**23 07 53 46.0–.14**	**20.30S–.03**	**175.57W–.03**	**174**	**5.1b**	**365**	**7-177**
MOS	XI	23 07 53 41.8–.78	20.08S	175.65W	143	5.2b		**¶11473255**
BJI	XI	23 07 53 44.5	19.93S	175.48W	170	5.2b,5.1b		
ISCJB	XI	23 07 53 44.4–.14	20.26S–.03	175.63W–.03	172	5.1b,5.1b		
BGS	XI	23 07 53 45.6–5.1	20.26S	175.57W	170–0	5.1b,5.1b		
NEIC	XI	23 07 53 45.4–.14	20.26S	175.57W	170	5.1b,5.1b		
IDC	XI	23 07 53 46.1–.56	20.13S	175.63W	173–4	4.9,4.9		
GCMT	XI	23 07 53 48.9–.10	20.23S	175.12W	184–0	5.5W,4.9		
DJA	XI	23 07 54 04	20.58S	176.54W	293	5.7b,4.9		

ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=8.1km az=136.8.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.1km az=34.1.
BGS Error ellipse: s-maj=583.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=144.0.
IDC Error ellipse: s-maj=10.5km s-min=8.2km az=146.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 111 sta. Moment Tensor Solution. s91,c158; s99,c208; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.17±.02 $M_{\theta\theta}$1.38±.03; $M_{\phi\phi}$-0.20±.03; $M_{r\theta}$1.07±.02; $M_{\theta\phi}$0.67±.03; $M_{\phi r}$-0.92±.02; Best double couple: NP1:ϕ_s42.00000° ,δ40.00000°,λ-145.00000°. NP2:ϕ_s283.00000°,δ68.00000°,λ-56.00000°. Principal axes: T 1.8300,Plg16.0000°,Azm349.0000°; N 0.3500,Plg31.0000°,Azm89.0000° ; P -2.1700,Plg54.0000°,Azm236.0000° M_o2.00000×10^{17}

(192) New Britain region

ISC	**XI**	**23 11 57 48.6–.68**	**4.70S–.03**	**153.10E–.03**	**76–6**	**5.2b**	**328**	**8-158**
MOS	XI	23 11 57 43.6–1.1	4.48S	152.96E	46	5.5b		**¶11473276**
ISCJB	XI	23 11 57 44.5–.76	4.62S–.03	153.11E–.03	53–6	5.3b,4.5s		
IDC	XI	23 11 57 46.1–1.7	4.67S	152.96E	52–14	4.8,4.8b		
BJI	XI	23 11 57 46.4	4.43S	153.36E	74	5.3b,5.3b		
NEIC	XI	23 11 57 48.4–.92	4.64S	153.05E	74–8	5.2b,5.3b		
GCMT	XI	23 11 57 49.4–.10	4.88S	153.00E	56–0	5.3W,5.3b		
DJA	XI	23 11 57 51	4.82S	153.17E	97	5.4b,5.3b		

ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=6.3km az=98.9.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=5.1km az=26.4.
IDC Error ellipse: s-maj=14.7km s-min=9.2km az=102.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=83.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s90,c154; s89,c166; Moment tensor: Scale 10^{17}Nm; M_{rr}1.11±.02 $M_{\theta\theta}$-1.17±.02; $M_{\phi\phi}$0.06±.02; $M_{r\theta}$0.46±.02; $M_{\theta\phi}$-0.01±.02; $M_{\phi r}$0.01±.01; Best double couple: NP1:ϕ_s270.00000°,δ34.00000°,λ90.00000°. NP2:ϕ_s89.00000°,δ56.00000°,λ90.00000°. Principal axes: T 1.2000,Plg79.0000° ,Azm358.0000°; N 0.0600,Plg0.0000°,Azm89.0000°; P -1.2600,Plg11.0000°,Azm179.0000° M_o1.20000×10^{17}

(117) Southern Peru

ISC	**XI**	**27 03 04 57.5–.20**	**15.88S–.03**	**73.43W–.05**	**77**	**5.0b**	**233**	**4-172**
MOS	XI	27 03 04 51.4–.90	15.76S	73.48W	33	5.3b		**¶11479741**
ISCJB	XI	27 03 04 55.5–.20	15.87S–.03	73.51W–.05	75	5.0b		
BJI	XI	27 03 04 57.4	15.90S	73.50W	75	5.5s,5.3b		
NEIC	XI	27 03 04 57.3–.18	15.87S	73.45W	75	5.1b,5.3b		
IDC	XI	27 03 04 57.2–.37	15.83S	73.43W	74–2	4.8,4.7		
LDG	XI	27 03 04 58.4–.50	15.53S	73.05W	79–0	5.1b,4.0s		
GCMT	XI	27 03 05 00.6–.30	15.94S	73.49W	80–2	5.0W,4.0s		

ISC Event type fe.
MOS Error ellipse: s-maj=14.2km s-min=7.5km az=105.7.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=3.7km az=151.1.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.2km az=68.0. Felt [IV] at Chala and [II] at Coracora. Also felt at Arequipa and Camana.
IDC Error ellipse: s-maj=14.2km s-min=9.0km az=56.0.
LDG Event type ke. Error ellipse: s-maj=30.6km s-min=11.7km az=45.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s54,c70; s73,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}3.20±.18 $M_{\theta\theta}$-4.77±.14; $M_{\phi\phi}$1.57±.19; $M_{r\theta}$-1.80±.11; $M_{\theta\phi}$-1.27±.18; $M_{\phi r}$0.61±.13; Best double couple: NP1:ϕ_s54.00000°,δ39.00000°,λ52.00000°. NP2:ϕ_s279.00000°,δ60.00000°,λ117.00000°. Principal axes: T 3.9200,Plg64.0000° ,Azm237.0000°; N 1.4200,Plg23.0000°,Azm85.0000°; P -5.3400,Plg11.0000°,Azm351.0000° M_o4.60000×10^{16}

(250) Mindoro

ISC	**XI**	**28 11 03 56.1–.41**	**13.40N–.03**	**120.58E–.04**	**76–4**	**4.9b**	**242**	**0-120**
BJI	XI	28 11 03 49.2	12.97N	120.91E	59	5.0b,4.8b		**¶11480323**
MOS	XI	28 11 03 49.5–.82	13.49N	120.73E	33	5.2b,4.8b		
MAN	XI	28 11 03 52	13.37N	120.22E	44	5.5b,4.8s		
NEIC	XI	28 11 03 55.0–.75	13.39N	120.56E	68–7	5.0b,4.8s		
ISCJB	XI	28 11 03 54.9–.45	13.38N–.03	120.57E–.04	80–4	4.9b,4.8s		
IDC	XI	28 11 03 55.2–.94	13.38N	120.52E	70–8	4.5,4.4		
DJA	XI	28 11 04 08	13.39N	120.50E	190	4.9b,4.4		

ISC Event type fe.
MOS Error ellipse: s-maj=16.6km s-min=5.9km az=120.1.
MAN Event type fe. INTENSITY IV - PALUAN OCCIDENTAL MINDORO; INTENSITY II- MANILA; PUERTO GALERA ORIENTAL MINDORO.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=5.4km az=67.0. Felt [IV PIVS] at Paluan and [II PIVS] at Puerto Galera. Also felt [II PIVS] at Manila, Quezon City and San Nicolas, Luzon.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.1km az=157.9.
IDC Error ellipse: s-maj=17.2km s-min=10.8km az=70.0.

(216) Mariana Islands

ISC	**XII**	**02 12 31 43.7–.07**	**19.16N–.02**	**145.73E–.01**	**131**	**5.6b**	**1233**	**6-158**
BJI	XII	02 12 31 36.6	19.00N	146.31E	121	5.3b,5.1b		**¶13813724**
MOS	XII	02 12 31 41.3–.99	19.14N	145.63E	131	5.6b,5.1s		
ISCJB	XII	02 12 31 42.1–.07	19.14N–.02	145.69E–.02	129	5.6b,5.1s		
NEIC	XII	02 12 31 43.9–.10	19.11N	145.75E	137	5.9b,5.9W		
IDC	XII	02 12 31 44.6–.75	19.12N	145.79E	148–5	5.1,5.1		
GCMT	XII	02 12 31 44.9–.10	19.17N	145.99E	119–0	5.9W,5.1		
DJA	XII	02 12 31 46	19.03N	145.90E	158	5.7W,5.1		
SZGRF	XII	02 12 31 51.4	20.86N	146.68E	33	5.3b,5.1		

ISC Event type se.
MOS Error ellipse: s-maj=6.7km s-min=4.3km az=102.9.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=1.9km az=153.3.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.8km az=155.0. Moment Tensor Solution. s74 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97 $M_{\theta\theta}$4.64 $M_{\phi\phi}$-3.66 $M_{r\theta}$-5.96 $M_{\theta\phi}$1.42 $M_{\phi r}$4.25 Best double couple: NP1:ϕ_s123.00000°,δ86.00000°,λ-59.00000°. NP2:ϕ_s219.00000° ,δ31.00000°,λ-173.00000°. Principal axes: T 8.5300,Plg34.0000°,Azm186.0000° ; N 0.1000,Plg30.0000°,Azm300.0000°; P -8.6200,Plg40.0000°,Azm61.0000° M_o8.60000×10^{17}
IDC Error ellipse: s-maj=8.7km s-min=4.7km az=92.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=114, comp=262, per= 50. Moment Tensor Solution. s109,c227; s68,c89; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s220.00000° ,δ39.00000°,λ-171.00000°. NP2:ϕ_s123.00000°,δ84.00000°,λ-52.00000°. Principal axes: T 1.0200,Plg29.0000°,Azm183.0000°; N -0.0300,Plg38.0000°,Azm298.0000° ; P -0.9900,Plg38.0000°,Azm67.0000° M_o1.00000×10^{18}
SZGRF Mariana Islands region.

(127) Chile-Argentina border region

ISC	**XII**	**04 16 47 10.6–.14**	**21.35S–.03**	**68.25W–.04**	**117**	**5.4b**	**823**	**1-177**
LDG	XII	04 16 46 55.2–.37	21.05S	68.87W	10–0	5.2b,4.3s		**¶11492047**
DJA	XII	04 16 47 06	23.08S	67.56W	10	5.5b,4.3s		
GUC	XII	04 16 47 08.2–.84	21.50S	68.63W	122–5	5.3L,4.3s		
ISCJB	XII	04 16 47 08.8–.13	21.33S–.03	68.38W–.03	115	5.4b,4.3s		
MOS	XII	04 16 47 08.7–1.1	21.13S	68.41W	108	5.5b,4.6s		
IDC	XII	04 16 47 08.9–1.5	21.44S	68.28W	107–12	5.1,5.1		
NEIC	XII	04 16 47 09.6–.15	21.39S	68.29W	115	5.5b,5.5W		
BJI	XII	04 16 47 10.6	20.58S	67.61W	110	5.4b,5.5W		
GCMT	XII	04 16 47 15.8–.20	21.62S	68.64W	129–1	5.5W,5.5W		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=49.0km s-min=16.9km az=150.0.
GUC Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=145.7.
MOS Error ellipse: s-maj=11.3km s-min=6.2km az=109.8.
IDC Error ellipse: s-maj=14.2km s-min=11.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.1km az=59.0. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.22 $M_{\theta\theta}$1.16 $M_{\phi\phi}$0.06 $M_{r\theta}$-0.56 $M_{\theta\phi}$0.21 $M_{\phi r}$-1.42 Best double couple: NP1:ϕ_s274.00000°,δ28.00000°,λ-41.00000°. NP2:ϕ_s41.00000° ,δ72.00000°,λ-112.00000°. Principal axes: T 1.5800,Plg23.0000°,Azm148.0000° ; N 0.5900,Plg20.0000°,Azm48.0000°; P -2.1800,Plg57.0000°,Azm281.0000° M_o1.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=188, per= 50. Moment Tensor Solution. s97,c157; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.82±.04 $M_{\theta\theta}$2.07±.04; $M_{\phi\phi}$-0.25±.05; $M_{r\theta}$-0.19±.03; $M_{\theta\phi}$0.69±.04; $M_{\phi r}$-1.35±.03; Best double couple: NP1:ϕ_s281.00000°,δ44.00000°,λ-46.00000°. NP2:ϕ_s47.00000°,δ60.00000°,λ-124.00000°. Principal axes: T 2.3400,Plg8.0000°,Azm161.0000°; N 0.2600,Plg29.0000°,Azm66.0000° ; P -2.6000,Plg59.0000°,Azm265.0000° M_o2.50000×10^{17}

(221) Kuril Islands

ISC	**XII**	**07 23 11 29.5–.43**	**47.74N–.04**	**152.85E–.05**	**114–4**	**4.6b**	**323**	**4-148**
SKHL	XII	07 23 11 24.3–.60	46.94N	153.97E	108–13	6.1s,5.5b		**¶13402200**
BJI	XII	07 23 11 28.0	47.64N	153.08E	131	4.9b,4.7b		
ISCJB	XII	07 23 11 28.1–.48	47.71N–.04	152.86E–.05	117–4	4.6b,4.7b		
MOS	XII	07 23 11 29.2–.95	47.78N	152.81E	124	4.6b,4.7b		
NEIC	XII	07 23 11 30.9–.63	47.82N	152.82E	126–5	4.7b,4.7b		
IDC	XII	07 23 11 30.7–1.9	47.89N	152.74E	122–16	4.1,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.0km az=145.7.
MOS Error ellipse: s-maj=8.1km s-min=6.1km az=85.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.8km az=154.0.
IDC Error ellipse: s-maj=12.9km s-min=9.0km az=158.0.

(207) Eastern New Guinea region

ISC	**XII**	**09 03 06 57.3–.65**	**6.06S–.03**	**145.82E–.04**	**113–6**	**5.4b**	**327**	**4-151**
IDC	XII	09 03 06 53.9–1.4	6.01S	145.80E	83–11	5.0,5.0		**¶12076459**
ISCJB	XII	09 03 06 54.5–.71	6.00S–.03	145.87E–.04	104–6	5.4b,5.0		
BJI	XII	09 03 06 55.9	5.65S	146.22E	114	5.5b,5.4b		
MOS	XII	09 03 06 55.4–1.1	5.95S	145.68E	101	5.4b,4.2s		
NEIC	XII	09 03 06 57.0–.71	6.02S	145.80E	110–6	5.4b,4.2s		
DJA	XII	09 03 06 58	6.08S	145.86E	121	5.3b,4.2s		
GCMT	XII	09 03 06 59.9–.20	6.09S	145.72E	128–4	5.0W,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=9.5km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.5km az=177.6.
MOS Error ellipse: s-maj=10.2km s-min=5.7km az=106.8.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.1km az=73.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s25,c27; s77,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.62±.18 $M_{\theta\theta}$1.40±.20; $M_{\phi\phi}$0.21±.22; $M_{r\theta}$-3.35±.11; $M_{\theta\phi}$-2.50±.15; $M_{\phi r}$0.05±.14; Best double couple: NP1:ϕ_s345.00000°,δ34.00000°,λ-24.00000°. NP2:ϕ_s95.00000°,δ77.00000°,λ-122.00000°. Principal axes: T 4.6400,Plg25.0000° ,Azm210.0000°; N -0.4200,Plg31.0000°,Azm103.0000°; P -4.2300,Plg48.0000° ,Azm331.0000° M_o4.40000×10^{16}

(197) Near north coast of Irian Jaya

ISC	**XII**	**09 15 31 52.4–.46**	**2.80S–.02**	**139.36E–.03**	**62–4**	**5.5b**	**463**	**1-159**
BJI	XII	09 15 31 43.2	3.38S	139.78E	47	5.4b,5.1s		**¶12076560**
MOS	XII	09 15 31 46.9–1.1	2.81S	139.28E	32	5.6b,4.9s		
ISCJB	XII	09 15 31 49.6–.46	2.79S–.02	139.39E–.02	54–4	5.5b,5.2s		
NEIC	XII	09 15 31 50.2–.17	2.81S	139.32E	45	5.6b,5.6W		
DJA	XII	09 15 31 51.7–.20	3S–3.0	139E–2.0	51–3	6.0b,5.8		
GCMT	XII	09 15 31 53.2–.10	2.82S	139.39E	23	5.7W,5.8		
IDC	XII	09 15 31 55.5–3.5	2.92S	139.07E	89–31	5.0,4.9s		

ISC Event type fe.
MOS Error ellipse: s-maj=10.0km s-min=5.4km az=110.5.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=40.2.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.9km az=66.0. Felt [IV] at Genyem, Jayapura and Sentani; [III] at Sarmi. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$1.33 $M_{r\theta}$-1.64 $M_{\theta\phi}$0.42 $M_{\phi r}$2.37 Best double couple: NP1: ϕ_s146.00000°,δ89.00000°,λ-115.00000°. NP2:ϕ_s53.00000°,δ25.00000°,λ-4.00000°. Principal axes: T 3.1800,Plg38.0000°,Azm258.0000°; N -0.0100,Plg24.0000°,Azm146.0000° ; P -3.1700,Plg41.0000°,Azm32.0000° M_o3.20000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=204, per= 50. Moment Tensor Solution. s82,c148; s1,c1; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.30±.04 $M_{\theta\theta}$-0.65±.03; $M_{\phi\phi}$0.95±.03; $M_{r\theta}$-3.04±.05; $M_{\theta\phi}$0.06±.02; $M_{\phi r}$3.72±.06; Best double couple: NP1:ϕ_s41.00000°,δ9.00000°,λ-10.00000°. NP2:ϕ_s141.00000°,δ88.00000°,λ-99.00000°. Principal axes: T 4.8600,Plg43.0000°,Azm240.0000°; N 0.0400,Plg9.0000°,Azm141.0000° ; P -4.9000,Plg46.0000°,Azm42.0000° M_o4.90000×10^{17}
IDC Error ellipse: s-maj=15.7km s-min=8.1km az=84.0.

(186) Vanuatu Islands

ISC	**XII**	**09 17 28 59.5–.09**	**15.98S–.02**	**168.18E–.02**	**227**	**5.4b**	**646**	**6-169**
NOU	XII	09 17 28 48.3–.63	14.98S	167.11E	30–0	4.6L,4.1		¶13813771
ISCJB	XII	09 17 28 57.9–.09	15.98S–.02	168.14E–.02	225	5.4b,4.1		
NEIC	XII	09 17 28 58.6–.14	15.93S	168.17E	224	6.0W,5.9W		
MOS	XII	09 17 28 58.6–1.4	15.92S	168.20E	230	5.6b,5.0s		
LDG	XII	09 17 28 58.4–.16	15.80S	167.62E	210–0	5.3b,4.9s		
BJI	XII	09 17 28 59.6	15.30S	168.16E	223	5.6b,5.4b		
IDC	XII	09 17 28 59.3–.32	15.92S	168.22E	229–2	5.0,5.0		
DJA	XII	09 17 29 00	16.09S	168.22E	232	5.4b,5.0		
GCMT	XII	09 17 29 01.9–.10	15.98S	168.04E	237–0	6.1W,5.0		

ISC Event type ke.
NOU Error ellipse: s-maj=6.5km s-min=54.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=139.3.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=149.0. Moment Tensor Solution. s41 Moment tensor: Scale 10^{18}Nm; M_{rr}0.56 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.05 $M_{r\theta}$-1.03 $M_{\theta\phi}$0.34 $M_{\phi r}$-0.45 Best double couple: NP1:ϕ_s139.00000°,δ25.00000°,λ150.00000°. NP2:ϕ_s256.00000°,δ78.00000°,λ68.00000°. Principal axes: T 1.4000,Plg52.0000°,Azm140.0000° ; N -0.1800,Plg21.0000°,Azm261.0000°; P -1.2100,Plg29.0000°,Azm3.0000° $M_0$1.30000×10^{18}
MOS Error ellipse: s-maj=7.4km s-min=7.1km az=146.2.
LDG Event type ke. Error ellipse: s-maj=22.7km s-min=6.5km az=91.0.
IDC Error ellipse: s-maj=9.1km s-min=7.2km az=165.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=121, comp=288, per= 50. Moment Tension Solution. s112,c267; s78,c116; Moment tensor: Scale 10^{18}Nm; M_{rr}0.56±.01 $M_{\theta\theta}$-0.80±.01; $M_{\phi\phi}$0.24±.01; $M_{r\theta}$-1.01±.01; $M_{\theta\phi}$0.60±.01; $M_{\phi r}$-0.46±.01; Best double couple: NP1:ϕ_s148.00000°,δ36.00000°,λ156.00000°. NP2:ϕ_s258.00000°,δ76.00000°,λ57.00000°. Principal axes: T 1.4900,Plg48.0000°,Azm133.0000°; N -0.0800,Plg32.0000°,Azm267.0000° ; P -1.4100,Plg24.0000°,Azm13.0000° $M_0$1.50000×10^{18}

(184) Santa Cruz Islands

ISC	**XII**	**10 13 15 36.7–.09**	**12.37S–.02**	**166.54E–.02**	**65**	**5.8b**	**665**	**7-170**
NOU	XII	10 13 15 29.9–.75	11.83S	167.43E	30–0	4.9L,4.6		¶13402397
IDC	XII	10 13 15 32.9–1.2	12.38S	166.64E	37–8	5.4,5.4		
MOS	XII	10 13 15 34.1–1.3	12.30S	166.49E	54	5.8b,5.6s		
ISCJB	XII	10 13 15 34.7–.09	12.39S–.02	166.49E–.02	62	5.9b,5.6s		
NEIC	XII	10 13 15 34.4–.12	12.34S	166.57E	51	6.0W,5.9W		
BJI	XII	10 13 15 35.2	11.96S	166.68E	62	6.0b,5.9b		
GCMT	XII	10 13 15 39.2–.10	12.33S	166.32E	67–0	6.0W,5.9b		
DJA	XII	10 13 15 40	12.41S	166.48E	85	6.3W,5.9b		

ISC Event type se.
NOU Error ellipse: s-maj=16.0km s-min=113.5km az=-1.0.
IDC Error ellipse: s-maj=9.9km s-min=9.4km az=151.0.
MOS Error ellipse: s-maj=7.1km s-min=6.6km az=94.6.
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=2.5km az=144.4.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.6km az=130.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s76 Moment tensor: Scale 10^{18}Nm; M_{rr}1.18 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$-0.02 $M_{r\theta}$-0.54 $M_{\theta\phi}$0.10 $M_{\phi r}$-0.13 Best double couple: NP1:ϕ_s102.00000°,δ33.00000°,λ103.00000°. NP2:ϕ_s267.00000°,δ58.00000°,λ82.00000°. Principal axes: T 1.3200,Plg75.0000°,Azm152.0000° ; N -0.0300,Plg7.0000°,Azm271.0000°; P -1.2800,Plg12.0000°,Azm3.0000° $M_0$1.30000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=118, comp=265, per= 50. Moment Tensor Solution. s118,c269; s77,c97; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s125.00000° ,δ32.00000°,λ118.00000°. NP2:ϕ_s273.00000°,δ62.00000°,λ74.00000°. Principal axes: T 1.1900,Plg68.0000°,Azm150.0000°; N 0.0200,Plg14.0000°,Azm280.0000° ; P -1.2100,Plg16.0000°,Azm14.0000° $M_0$1.20000×10^{18}

(269) Southern Molucca Sea

ISC	**XII**	**11 21 40 53.0–.10**	**0.10N–.02**	**123.57E–.02**	**141**	**6.0b**	**815**	**1-169**
BJI	XII	11 21 40 44.5	0.56S	124.04E	132	6.1b,6.1b		¶13813802
NEIC	XII	11 21 40 51.9–.09	0.06N	123.43E	129	6.1b,5.9W		
ISCJB	XII	11 21 40 51.2–.10	0.12N–.02	123.60E–.02	139	6.0b,5.9W		
BGS	XII	11 21 40 51.4–2.5	0.38S	123.41E	133–0	6.1b,5.9W		
MOS	XII	11 21 40 52.2–.94	0.08N	123.44E	149	6.2b,5.0s		
IDC	XII	11 21 40 52.7–.59	0.13N	123.43E	136–4	5.7,5.7b		
DJA	XII	11 21 40 54.2–.20	0N–2.0	124E–1.0	133–2	6.6,6.3b		
GCMT	XII	11 21 40 54.0–.10	0.00N	123.64E	135–0	5.9W,6.3b		
SZGRF	XII	11 21 41 12.6	4.66N	117.61E	33	5.8b,5.1s		

ISC Event type se.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.1km az=64.0. Felt [IV] at Luwuk and [III] at Gorontalo. Also felt at Kotamobagu. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}1.87 $M_{\theta\theta}$-2.69 $M_{\phi\phi}$0.82 $M_{r\theta}$7.57 $M_{\theta\phi}$1.59 $M_{\phi r}$1.69 Best double couple: NP1:ϕ_s79.00000°,δ83.00000°,λ75.00000°. NP2:ϕ_s325.00000°,δ17.00000°,λ155.00000°. Principal axes: T 8.2200,Plg49.0000°,Azm332.0000° ; N 0.1100,Plg14.0000°,Azm80.0000°; P -8.3200,Plg36.0000°,Azm182.0000° $M_0$8.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.2km az=168.3.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.9km s-min=4.2km az=115.7.
IDC Error ellipse: s-maj=11.6km s-min=7.0km az=71.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=118, comp=279, per= 50. Moment Tensor Solution. s112,c259; s76,c91; Moment tensor: Scale 10^{17}Nm; M_{rr}3.33±.07 $M_{\theta\theta}$-3.11±.08; $M_{\phi\phi}$-0.22±.08; $M_{r\theta}$8.23±.05; $M_{\theta\phi}$2.12±.07; $M_{\phi r}$1.05±.06; Best double couple: NP1:ϕ_s323.00000°,δ18.00000°,λ144.00000°. NP2:ϕ_s87.00000°,δ80.00000°,λ75.00000°. Principal axes: T 9.3900,Plg53.0000°,Azm339.0000°; N -0.5100,Plg15.0000°,Azm90.0000° ; P -8.8900,Plg33.0000°,Azm189.0000° $M_0$9.10000×10^{17}
SZGRF Borneo.

(390) Southern Italy

ISC	**XII**	**17 21 57 45.2–.08**	**39.241N–.01**	**15.461E–.01**	**259–0**	**5.2b**	**3220**	**1-155**
BGS	XII	17 21 57 31.7–2.0	38.07N	15.71E	227–0	4.8b		¶13403072
SZGRF	XII	17 21 57 35.0	38.39N	15.50E	226	4.9b		
BJI	XII	17 21 57 42.5	39.52N	15.35E	254	4.9b,4.7b		
ROM	XII	17 21 57 42.8–.17	39.17N	15.59E	269–2	5.1L,4.7b		
PDG	XII	17 21 57 43.0–1.2	39.25N	15.59E	265–3	5.0,4.9L		
ISCJB	XII	17 21 57 44.4–.08	39.240N–.01	15.491E–.01	262–0	5.2b,4.9L		
PDA	XII	17 21 57 44.9	39.27N	15.49E	257	5.3W,4.9L		
CSEM	XII	17 21 57 44.9–.05	39.26N	15.48E	260–0	5.6L,5.5b		
NEIC	XII	17 21 57 44.8–.08	39.21N	15.44E	257	5.5b,5.3W		
MOS	XII	17 21 57 44.0–.87	39.21N	15.44E	261	5.3b,4.4s		
CRAAG	XII	17 21 57 44.7	39.20N	15.40E		5.3W,4.4s		
BEO	XII	17 21 57 45.7–.70	39.48N	15.43E	0–0	4.8L,4.4s		
TEH	XII	17 21 57 45.0	39.29N	15.49E	261	4.8L,4.4s		
LDG	XII	17 21 57 45.2–.20	39.40N	15.44E	280–0	5.4b,3.8s		
IDC	XII	17 21 57 46.3–.75	39.29N	15.39E	275–7	4.9,4.9		
GCMT	XII	17 21 57 47.2–.20	39.21N	15.50E	266–1	5.2W,4.9		
DJA	XII	17 21 57 51	39.21N	15.71E	310	4.8b,4.9		

ISC Event type ke.
BGS Error ellipse: s-maj=85.5km s-min=53.2km az=-1.0.
SZGRF Sicily, Italy.
ROM Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=102.0.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.9km az=0.0.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.0km az=10.7.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=15.0.
NEIC Event type fe. Error ellipse: s-maj=1.8km s-min=1.1km az=16.0. Felt [IV] at Gioia Tauro; [III] at Cittanova, Messina, Reggio de Calabria and Villa San Giovanni. Also felt at Amantea, Avellino, Bari, Cosenza, Palmi, Potenza, Taranto, Taurianova and Vibo Valentia.
MOS Error ellipse: s-maj=2.9km s-min=2.2km az=91.1.
LDG Event type ke. Error ellipse: s-maj=9.6km s-min=5.4km az=35.0.
IDC Error ellipse: s-maj=7.4km s-min=5.3km az=117.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s67,c94; s90,c149; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.29±.16 $M_{\theta\theta}$-0.64±.17; $M_{\phi\phi}$6.93±.17; $M_{r\theta}$-2.16±.17; $M_{\theta\phi}$-1.93±.16; $M_{\phi r}$-5.68±.18; Best double couple: NP1:ϕ_s145.00000°,δ31.00000° ,λ-129.00000°. NP2:ϕ_s8.00000°,δ67.00000°,λ-70.00000°. Principal axes: T 9.1500,Plg19.0000°,Azm83.0000°; N 0.0900,Plg19.0000°,Azm180.0000° ; P -9.2500,Plg63.0000°,Azm311.0000° $M_0$9.20000×10^{16}

(266) Northern Molucca Sea

ISC	**XII**	**18 15 50 17.2–.27**	**2.36N–.02**	**127.20E–.02**	**102–2**	**5.3b**	**581**	**2-168**
BJI	XII	18 15 50 13.2	1.99N	127.29E	107	5.3b,5.2b		¶12078065
ISCJB	XII	18 15 50 16.0–.29	2.37N–.02	127.20E–.02	104–2	5.3b,5.2b		
NEIC	XII	18 15 50 15.3–.68	2.30N	127.17E	87–6	5.6b,5.2W		
MOS	XII	18 15 50 15.2–1.1	2.36N	127.11E	96	5.4b,4.1s		
IDC	XII	18 15 50 16.9–1.1	2.30N	127.14E	99–9	4.9,4.9		
DJA	XII	18 15 50 18.5–.30	2N–2.0	127E–2.0	92–3	5.8,5.6b		
GCMT	XII	18 15 50 18.2–.10	2.38N	127.07E	106–1	5.3W,5.6b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.5km az=171.5.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.3km az=69.0.
MOS Error ellipse: s-maj=9.8km s-min=4.7km az=113.2.
IDC Error ellipse: s-maj=11.5km s-min=6.7km az=76.0.
GCMT Event type se. Data Used: II IC G IU CN. Surface waves: sta=101, comp=177, per= 50. Moment Tensor Solution. s77,c113; s2,c2; Moment tensor: Scale 10^{17}Nm; M_{rr}0.73±.02 $M_{\theta\theta}$0.34±.02; $M_{\phi\phi}$-1.07±.02; $M_{r\theta}$-0.46±.01; $M_{\theta\phi}$-0.36±.02; $M_{\phi r}$-0.03±.02; Best double couple: NP1:ϕ_s343.00000°,δ51.00000°,λ42.00000°. NP2:ϕ_s223.00000°,δ58.00000°,λ132.00000°. Principal axes: T 1.0500,Plg55.0000°,Azm189.0000°; N 0.1200,Plg35.0000°,Azm18.0000° ; P -1.1700,Plg4.0000°,Azm285.0000° $M_0$1.10000×10^{17}

(266) Northern Molucca Sea

ISC	**XII**	**19 08 06 14.1–.40**	**1.23N–.02**	**126.90E–.03**	**82–3**	**4.9b**	**300**	**1-163**
BJI	XII	19 08 06 03.7	0.55N	127.37E	57	5.2b,4.8s		¶11513609
MOS	XII	19 08 06 07.2–.88	1.30N	126.87E	33	5.2b,4.8s		
IDC	XII	19 08 06 11.5–.50	1.24N	126.84E	57–3	4.5,4.5		
ISCJB	XII	19 08 06 12.8–.43	1.25N–.02	126.89E–.03	85–4	4.9b,4.5		
NEIC	XII	19 08 06 13.0–.91	1.23N	126.84E	73–8	5.0b,4.5		
GCMT	XII	19 08 06 14.0–.20	1.46N	126.74E	73–2	5.2W,4.5		
DJA	XII	19 08 06 15.5–.40	1N–4.0	127E–3.0	84–4	5.6b,5.5		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s43,c53; s65,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.38±.25 $M_{\theta\theta}$4.13±.19; $M_{\phi\phi}$-0.75±.25; $M_{r\theta}$1.54±.14; $M_{\theta\phi}$4.24±.19; $M_{\phi r}$-3.15±.17; Best double couple: NP1:ϕ_s275.00000°,δ58.00000°,λ-35.00000°. NP2:ϕ_s25.00000°,δ61.00000°,λ-143.00000°. Principal axes: T 6.5900,Plg2.0000° ,Azm149.0000°; N 0.2000,Plg44.0000°,Azm58.0000°; P -6.7900,Plg46.0000°,Azm241.0000° $M_0$6.70000×10^{16}

(259) Mindanao

ISC	**XII**	**20 13 50 03.0–.48**	**8.87N–.02**	**126.58E–.04**	**75–4**	**4.8b**	**280**	**1-164**
MOS	XII	20 13 49 56.7–1.2	8.91N	126.48E	33	5.2b		¶11514971
MAN	XII	20 13 49 58	8.91N	126.87E	54	5.5b,4.9s		
ISCJB	XII	20 13 50 01.0–.53	8.87N–.02	126.62E–.04	75–4	4.8b,4.9s		
IDC	XII	20 13 50 00.4–1.8	8.87N	126.51E	48–16	4.5,4.4		
BJI	XII	20 13 50 01.1	8.85N	126.54E	77	5.1b,4.9b		
NEIC	XII	20 13 50 02.6–.78	8.87N	126.54E	71–7	5.0b,4.9b		
DJA	XII	20 13 50 07	8.60N	126.57E	15	4.9b,4.9b		

ISC Event type fe.
MOS Error ellipse: s-maj=13.7km s-min=5.9km az=115.7.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.8km az=169.4.
IDC Error ellipse: s-maj=18.9km s-min=10.1km az=80.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.4km az=75.0. Felt at Butuan and Cagayan.

(259) Mindanao

ISC	**XII**	**20 15 43 08.4–.15**	**8.93N–.02**	**126.62E–.02**	**70**	**5.1b**	**503**	**2-170**
IDC	XII	20 15 42 58.7–.34	8.88N	126.52E	0	5.0s,5.0		¶11527746
MOS	XII	20 15 43 02.3–1.1	8.86N	126.53E	33	5.5b,5.1s		
MAN	XII	20 15 43 03	8.94N	126.93E	83	5.8b,5.3s		
ISCJB	XII	20 15 43 06.5–.15	8.93N–.02	126.64E–.03	68	5.1b,5.3s		
BJI	XII	20 15 43 06.2	8.93N	126.61E	73	5.4b,5.2s		
GCMT	XII	20 15 43 06.7–.10	8.89N	126.84E	21–0	5.6W,5.2s		
NEIC	XII	20 15 43 08.1–.82	8.84N	126.53E	69–7	5.2b,5.2s		
DJA	XII	20 15 43 09	8.79N	127.08E	28	5.4W,5.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=9.0km az=66.0.
MOS Error ellipse: s-maj=11.9km s-min=5.0km az=117.9.
MAN Event type fe. INTENSITY II - BISLIG CITY.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=175.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 108 sta. Moment Tensor Solution. s94,c167; s99,c202; Moment tensor: Scale 10^{17}Nm; M_{rr}2.13±.04 $M_{\theta\theta}$0.34±.03; $M_{\phi\phi}$-2.48±.03; $M_{r\theta}$0.44±.06; $M_{\theta\phi}$0.12±.02; $M_{\phi r}$2.25±.09; Best double couple: NP1: ϕ_s165.00000°,δ24.00000°,λ69.00000°. NP2:ϕ_s8.00000°,δ68.00000°,λ99.00000°. Principal axes: T 3.1200,Plg66.0000°,Azm294.0000°; N 0.2700,Plg8.0000°,Azm184.0000° ; P -3.4000,Plg22.0000°,Azm91.0000° $M_0$3.30000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=3.8km az=70.0. Felt [I PIVS] at Bislig.

(196) Irian Jaya region

ISC	**XII**	**21 04 46 03.7–.81**	**0.43S–.05**	**132.41E–.05**	**67–8**	**4.5b**	**99**	**2-154**
IDC	XII	21 04 45 54.9–.58	0.35S	132.32E	0	4.5,4.4		¶11517257
ISCJB	XII	21 04 46 01.9–.90	0.40S–.05	132.40E–.04	67–8	4.5b,4.4		
DJA	XII	21 04 46 02.3–.50	1S–5.0	132E–4.0	10–0	5.6b,5.1		
NEIC	XII	21 04 46 04.0–1.6	0.40S	132.35E	72–16	4.5b,5.1		
BJI	XII	21 04 46 04.7	0.40S	132.40E	78	5.1b,4.9s		

ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=10.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.0km az=42.1.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.0km az=55.0.

(248) Philippine Islands region

ISC	**XII**	**23 13 11 55.6–.43**	**8.87N–.02**	**126.89E–.03**	**66–3**	**4.8b**	**321**	**1-145**
MOS	XII	23 13 11 50.0–1.0	8.74N	126.66E	33	5.1b		¶11518363
MAN	XII	23 13 11 51	8.94N	127.12E	52	5.5b,4.9s		
ISCJB	XII	23 13 11 53.7–.48	8.90N–.02	126.94E–.03	65–4	4.8b,4.9s		
DJA	XII	23 13 11 53	9.25N	127.21E	53	5.0b,4.9s		
IDC	XII	23 13 11 54.9–1.9	8.82N	126.81E	59–17	4.4,4.4		
BJI	XII	23 13 11 54.1	8.74N	126.79E	74	5.2b,4.8b		
NEIC	XII	23 13 11 56.4–.87	8.77N	126.73E	75–8	5.1b,4.8b		

ISC Event type se.
MOS Error ellipse: s-maj=12.4km s-min=5.8km az=114.8.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.4km az=154.7.
IDC Error ellipse: s-maj=18.5km s-min=8.7km az=71.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.0km az=60.0.

(267) Halmahera

ISC	**XII**	**23 17 51 47.7–.34**	**2.43N–.02**	**128.78E–.02**	**66–3**	**5.3b**	**524**	**2-166**
MOS	XII	23 17 51 42.4–.90	2.50N	128.63E	33	5.6b,4.3s		¶11518370
BJI	XII	23 17 51 44.9	2.24N	128.98E	77	5.3b,5.3b		
IDC	XII	23 17 51 44.5–1.6	2.45N	128.61E	37–12	5.1,5.1b		
ISCJB	XII	23 17 51 45.4–.41	2.44N–.02	128.79E–.02	61–3	5.5b,5.1b		
GCMT	XII	23 17 51 46.2–.20	2.59N	128.72E	27–0	5.2W,5.1b		
NEIC	XII	23 17 51 48.2–.77	2.41N	128.68E	72–7	5.5b,5.1b		
DJA	XII	23 17 51 48	2.34N	128.72E	49	5.3W,5.1b		

ISC Event type se.
MOS Error ellipse: s-maj=8.6km s-min=4.7km az=112.3.
IDC Error ellipse: s-maj=11.9km s-min=7.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.0km az=157.5.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s49,c66; s72,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.63±.24 $M_{\theta\theta}$-1.27±.17; $M_{\phi\phi}$6.90±.18; $M_{r\theta}$1.75±.38; $M_{\theta\phi}$-1.91±.14; $M_{\phi r}$3.18±.34; Best double couple: NP1:ϕ_s324.00000°,δ38.00000°,λ-127.00000°. NP2:ϕ_s189.00000°,δ60.00000°,λ-64.00000°. Principal axes: T 7.9000,Plg12.0000° ,Azm260.0000°; N -0.7100,Plg22.0000°,Azm355.0000°; P -7.1900,Plg65.0000° ,Azm144.0000° $M_0$7.50000×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.4km az=64.0.

(259) Mindanao

ISC	**XII**	**24 23 56 54.1–.44**	**8.48N–.02**	**126.51E–.04**	**84–4**	**4.8b**	**271**	**2-164**
IDC	XII	24 23 56 49.4–1.4	8.58N	126.63E	44–12	4.6,4.6		¶11518766
MAN	XII	24 23 56 49	8.44N	126.74E	108	5.6b,4.9s		
ISCJB	XII	24 23 56 52.7–.47	8.49N–.02	126.54E–.04	88–4	4.8b,4.9s		
MOS	XII	24 23 56 52.3–1.2	8.57N	126.46E	81	5.0b,4.9s		
NEIC	XII	24 23 56 54.8–.92	8.41N	126.44E	91–8	5.0b,4.9s		
DJA	XII	24 23 56 54	8.16N	126.65E	10	5.1b,4.9s		
BJI	XII	24 23 56 58.2	9.13N	126.27E	88	4.9b,4.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.2km s-min=9.1km az=75.0.
MAN Event type fe. INTENSITY II - BISLIG CITY; BUTUAN CITY.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.4km az=159.9.
MOS Error ellipse: s-maj=12.8km s-min=6.3km az=118.8.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=5.2km az=69.0. Felt [II PIVS] at Bislig and Butuan. Also felt at Davao.

(259) Mindanao

ISC	**XII**	**25 03 20 29.6–.09**	**5.78N–.01**	**125.52E–.02**	**209**	**5.9b**	**1051**	**1-171**

BJI	XII	25 03 20 25.6	5.50N	125.68E	207	6.2b,6.0b		¶13814040
ISCJB	XII	25 03 20 27.8–.09	5.77N–.01	125.52E–.02	207	5.9b,6.0b		
NEIC	XII	25 03 20 29.4–.11	5.75N	125.38E	206	6.3W,6.3W		
IDC	XII	25 03 20 29.5–.30	5.72N	125.46E	206–2	5.6,5.6		
MAN	XII	25 03 20 29	5.72N	125.63E	196	6.4b,6.3s		
DJA	XII	25 03 20 30	5.74N	125.66E	211	6.4W,6.3s		
GCMT	XII	25 03 20 30.2–.10	5.74N	125.66E	198–0	6.3W,6.3s		
MOS	XII	25 03 20 30.4–.86	5.72N	125.46E	233	6.0b,6.3s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=169.2.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.4km az=64.0. Felt [V PIVS] at General Santos; [IV PIVS] at Banga, Davao, Koronadal, Malita, Surallah and Tagum; [III PIVS] at Alabel, Bislig, Cotabato, Digos, Kidapawan, Makilala and Matalam; [II PIVS] at Kabacan, Nabunturan, Perez, Pikit and Tarragona. Also felt at Mati and Santa Cruz. Felt [III] on Pulau Ternate and at Naha and Tahuna, Pulau Sangihe, Indonesia. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s5.00000°,δ70.00000°,λ90.00000°. NP2:ϕ_s185.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm275.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm95.0000° Moment Tensor Solution. s88 Moment tensor: Scale 10^{18}Nm; M_{rr}1.66 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.71 $M_{r\theta}$-0.21 $M_{\theta\phi}$-0.19 $M_{\phi r}$2.52 Best double couple: NP1:ϕ_s357.00000°,δ73.00000°,λ84.00000°. NP2:ϕ_s196.00000° ,δ18.00000°,λ108.00000°. Principal axes: T 3.0300,Plg61.0000°,Azm258.0000° ; N 0.0200,Plg5.0000°,Azm358.0000°; P -3.0600,Plg28.0000°,Azm91.0000° M_o3.00000×10^{18}
IDC Error ellipse: s-maj=6.6km s-min=4.0km az=69.0.
MAN Event type fe. Intensity V - General Santos City Intensity IV - Davao City; Marbel City(Koronadal City); Banga.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 106 sta. Surface waves: sta=127, comp=312, per= 50. Moment Tensor Solution. s122,c309; s99,c181; Moment tensor: Scale 10^{18}Nm; M_{rr}1.45±.02 $M_{\theta\theta}$-0.33±.02; $M_{\phi\phi}$-1.12±.02; $M_{r\theta}$-0.38±.01; $M_{\theta\phi}$-0.71±.02; $M_{\phi r}$3.12±.02; Best double couple: NP1:ϕ_s228.00000°,δ17.00000°,λ139.00000°. NP2:ϕ_s358.00000°,δ79.00000°,λ77.00000°. Principal axes: T 3.6700,Plg54.0000° ,Azm252.0000°; N -0.4000,Plg13.0000°,Azm1.0000°; P -3.2600,Plg33.0000°,Azm99.0000° M_o3.50000×10^{18}
MOS Error ellipse: s-maj=10.8km s-min=6.2km az=106.5.

(125) Southern Bolivia

ISC	**XII**	**27 12 56 43.7–.51**	**21.48S–.04**	**66.65W–.05**	**205–4**	**4.5b**	**141 2-172**	
ISCJB	XII	27 12 56 42.8–.52	21.47S–.04	66.69W–.05	212–4	4.5b		¶11519519
BJI	XII	27 12 56 42.2	21.50S	66.40W	199	5.5b		
IDC	XII	27 12 56 45.6–.67	21.41S	66.67W	224–5	4.3,4.3		
NEIC	XII	27 12 56 45.6–.27	21.53S	66.61W	230	4.6b,4.3		
GUC	XII	27 12 56 45.0–.48	21.36S	67.29W	249–22	4.6b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=176.2.
IDC Error ellipse: s-maj=14.2km s-min=8.9km az=51.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=75.0.
GUC Error ellipse: s-maj=5.0km s-min=22.4km az=-1.0.

(710) Pakistan

ISC	**XII**	**29 03 37 42.1–.07**	**36.41N–.01**	**71.09E–.01**	**159**	**5.8b**	**1589 3-171**	
SZGRF	XII	29 03 37 08.2	34.50N	73.50E	158	6.4b		¶13814087
BGS	XII	29 03 37 17.9–1.7	33.88N	73.34E	150–0	6.0b		
BJI	XII	29 03 37 40.5	36.67N	71.11E	147	5.7b,5.5b		
ISCJB	XII	29 03 37 40.5–.07	36.41N–.01	71.06E–.01	157	5.8b,5.5b		
MOS	XII	29 03 37 40.7–.87	36.52N	71.07E	155	6.0b,5.5b		
NEIC	XII	29 03 37 41.0–.11	36.39N	71.08E	151	6.0,5.9b		
TEH	XII	29 03 37 41.0	36.59N	71.06E	141	6.0,5.9b		
IDC	XII	29 03 37 42.3–.36	36.40N	71.10E	163–2	5.5,5.5		
DJA	XII	29 03 37 43	36.54N	71.16E	165	6.0W,5.5		
GCMT	XII	29 03 37 43.1–.10	36.48N	70.91E	155–0	5.8W,5.5		
NNC	XII	29 03 37 44.5–7.7	36.85N	70.91E	158–84	6.7,5.7b		

ISC Event type se.
SZGRF Pakistan.
BGS Error ellipse: s-maj=401.1km s-min=444.6km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=1.9km s-min=1.3km az=18.1.
MOS Error ellipse: s-maj=5.1km s-min=3.0km az=131.5.
NEIC Event type de. Error ellipse: s-maj=3.8km s-min=2.3km az=23.0. Some buildings damaged slightly in the Mansehra and Shangla areas, Pakistan. Felt at Abbottabad, Chitral, Hazara, Islamabad, Lahore and Rawalpindi. Felt [II] at Bagrami and Kabul, Afghanistan. Also felt at Asadabad, Charikar, Gardiz, Mazar-e Sharif and Konduz. Felt [III] at Dushanbe, Tajikistan. Also felt at Khorugh. Felt at Gilgit, Muzaffarabad and in the Kashmir Valley, Kashmir and at Tashkent, Uzbekistan. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s270.00000°,δ50.00000°,λ90.00000°. NP2:ϕ_s90.00000°,δ40.00000°,λ90.00000°. Principal axes: T Plg85.0000°,Azm180.0000°; N Plg0.0000°,Azm0.0000°; P Plg5.0000° ,Azm360.0000° Moment Tensor Solution. s78 Moment tensor: Scale 10^{17}Nm; M_{rr}4.74 $M_{\theta\theta}$-5.41 $M_{\phi\phi}$0.67 $M_{r\theta}$-2.97 $M_{\theta\phi}$-0.43 $M_{\phi r}$0.38 Best double couple: NP1:ϕ_s272.00000° ,δ60.00000°,λ97.00000°. NP2:ϕ_s79.00000°,δ30.00000°,λ79.00000°. Principal axes: T 5.5900,Plg73.0000°,Azm200.0000°; N 0.6400,Plg6.0000°,Azm88.0000° ; P -6.2300,Plg15.0000°,Azm357.0000° M_o5.90000×10^{17}
IDC Error ellipse: s-maj=8.3km s-min=6.6km az=7.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=268, per= 50. Moment Tensor Solution. s111,c217; s37,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}5.52±.05 $M_{\theta\theta}$-5.84±.07; $M_{\phi\phi}$0.32±.07; $M_{r\theta}$-3.45±.06; $M_{\theta\phi}$-0.10±.07; $M_{\phi r}$-0.31±.05; Best double couple: NP1:ϕ_s92.00000°,δ29.00000°,λ94.00000°. NP2:ϕ_s267.00000°,δ61.00000°,λ88.00000°. Principal axes: T 6.5000,Plg74.0000°,Azm171.0000°; N 0.3100,Plg2.0000°,Azm268.0000° ; P -6.8100,Plg16.0000°,Azm358.0000° M_o6.70000×10^{17}
NNC Error ellipse: s-maj=65.4km s-min=36.6km az=4.0.

(259) Mindanao

ISC	**XII**	**30 03 20 56.0–.27**	**5.44N–.02**	**125.81E–.03**	**134–2**	**5.0b**	**414 2-170**	
BJI	XII	30 03 20 50.1	4.93N	125.89E	133	5.0b,4.9b		¶13404381
MAN	XII	30 03 20 54	5.33N	125.67E	112	5.6b,5.0s		
ISCJB	XII	30 03 20 54.9–.28	5.45N–.02	125.81E–.03	139–2	5.0b,5.0s		
GCMT	XII	30 03 20 55.9–.20	5.37N	125.80E	137–1	5.1W,5.0s		
IDC	XII	30 03 20 55.6–.86	5.42N	125.52E	134–7	4.8,4.8		
NEIC	XII	30 03 20 56.6–.67	5.42N	125.71E	141–6	5.2b,4.8		
MOS	XII	30 03 20 56.1–1.3	5.40N	125.63E	152	5.1b,4.8		
DJA	XII	30 03 20 56.4–.30	5N–3.0	126E–2.0	125–3	5.9,5.7b		

ISC Event type fe.
MAN Event type fe. INTENSITY II - BANGA SOUTH COTABATO; TACURONG SULTAN KUDARAT; INTENSITY I - GENERAL SANTOS CITY.
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c65; s87,c132; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.78±.16 $M_{\theta\theta}$1.27±.24; $M_{\phi\phi}$2.51±.29; $M_{r\theta}$2.82±.13; $M_{\theta\phi}$1.97±.18; $M_{\phi r}$3.21±.16; Best double couple: NP1:ϕ_s32.00000°,δ21.00000°,λ-97.00000°. NP2:ϕ_s220.00000°,δ69.00000°,λ-87.00000°. Principal axes: T 5.8400,Plg24.0000° ,Azm308.0000°; N -0.1600,Plg3.0000°,Azm39.0000°; P -5.6900,Plg66.0000°,Azm135.0000° M_o5.80000×10^{16}
NEIC Event type fe. Felt [II PIVS] at Banga, Malita and Tacurong; [I PIVS] at Davao, General Santos, Koronadal and Matan-ao.

(291) South of Sumbawa

ISC	**XII**	**30 18 09 27.1–.35**	**10.40S–.03**	**118.51E–.02**	**76–3**	**5.1b**	**243 2-153**	
BJI	XII	30 18 09 16.7	11.10S	118.94E	60	5.1b,5.1b		¶11524537
NEIC	XII	30 18 09 24.8–.95	10.25S	118.46E	49–9	5.2b,5.1b		
IDC	XII	30 18 09 24.2–.85	10.13S	118.44E	36–6	4.9L,4.8b		
ISCJB	XII	30 18 09 25.4–.40	10.41S–.03	118.49E–.02	78–3	5.1b,4.8b		
DJA	XII	30 18 09 26.8–.30	10S–3.0	118E–1.0	49–4	5.9,5.7b		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Waingapu.
ISCJB Event type fe.

(263) Talaud Islands

ISC	**XII**	**31 11 39 57.7–.42**	**4.92N–.02**	**127.43E–.03**	**76–3**	**5.3b**	**461 2-169**	
MOS	XII	31 11 39 51.5–.98	4.99N	127.45E	33	5.7b,4.5s		¶11525180
BJI	XII	31 11 39 51.5	4.41N	127.59E	77	5.3b,5.1b		
MAN	XII	31 11 39 52	4.76N	127.33E	16	5.8b,5.3s		
NEIC	XII	31 11 39 53.5–.13	4.92N	127.44E	39	5.5b,5.4W		
ISCJB	XII	31 11 39 55.5–.47	4.93N–.02	127.46E–.03	71–3	5.3b,5.4W		
GCMT	XII	31 11 39 56.7–.10	5.02N	127.33E	61–1	5.4W,5.4W		
IDC	XII	31 11 39 57.5–1.1	4.89N	127.35E	74–9	4.9,4.9		
DJA	XII	31 11 39 59	4.96N	127.40E	79	5.4b,4.9		

ISC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=4.6km az=115.6.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.3km az=67.0. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}1.08 $M_{\theta\theta}$0.32 $M_{\phi\phi}$-1.40 $M_{r\theta}$-0.42 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.75 Best double couple: NP1:ϕ_s311.00000°,δ42.00000°,λ41.00000°. NP2:ϕ_s188.00000° ,δ64.00000°,λ125.00000°. Principal axes: T 1.5900,Plg56.0000°,Azm144.0000° ; N 0.1900,Plg30.0000°,Azm351.0000°; P -1.7700,Plg12.0000°,Azm253.0000° M_o1.70000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=159.8.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s80,c119; s95,c176; Moment tensor: Scale 10^{17}Nm; M_{rr}0.91±.02 $M_{\theta\theta}$0.44±.02; $M_{\phi\phi}$-1.36±.02; $M_{r\theta}$-0.41±.02; $M_{\theta\phi}$0.75±.02; $M_{\phi r}$-0.10±.02; Best double couple: NP1:ϕ_s192.00000°,δ55.00000°,λ139.00000°. NP2:ϕ_s308.00000°,δ57.00000°,λ42.00000°. Principal axes: T 1.2500,Plg52.0000° ,Azm161.0000°; N 0.3800,Plg38.0000°,Azm339.0000°; P -1.6300,Plg1.0000°,Azm70.0000° M_o1.40000×10^{17}
IDC Error ellipse: s-maj=14.6km s-min=6.9km az=79.0.

(171) South of Fiji Islands

ISC	**XII**	**31 14 02 26.8–.10**	**25.92S–.03**	**177.62W–.04**	**159**	**5.2b**	**658 3-176**	
SZGRF	XII	31 14 02 00.3	29.50S	176.50W	33	5.2b		¶13404483
DJA	XII	31 14 02 19	25.35S	177.58W	68	5.6b		
MOS	XII	31 14 02 22.7–.76	25.13S	177.62W	116	5.4b		
BJI	XII	31 14 02 25.8	25.02S	176.96W	157	5.3b,5.3b		
ISCJB	XII	31 14 02 25.5–.10	25.83S–.02	177.66W–.03	157	5.2b,5.3b		
IDC	XII	31 14 02 26.4–2.0	25.29S	177.59W	143–17	5.1,5.1		
NEIC	XII	31 14 02 27.4–.10	25.38S	177.61W	155	5.3b,5.3W		
GCMT	XII	31 14 02 28.9–.20	25.33S	177.20W	159–1	5.3W,5.3W		
BGS	XII	31 14 02 30.4–3.4	25.38S	177.61W	155–0	5.3b,5.3W		

ISC Event type se.
SZGRF Kermadec Islands region.
MOS Error ellipse: s-maj=9.5km s-min=7.8km az=76.3.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=2.3km az=30.8.
IDC Error ellipse: s-maj=11.7km s-min=11.2km az=78.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.4km az=143.0. Moment Tensor Solution. s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s202.00000°,δ23.00000°,λ-104.00000°. NP2:ϕ_s37.00000° ,δ68.00000°,λ-84.00000°. Principal axes: T 1.3000,Plg22.0000°,Azm122.0000° ; N -0.1100,Plg5.0000°,Azm215.0000°; P -1.1900,Plg66.0000°,Azm318.0000° M_o1.20000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c111; s97,c175; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s167.00000°,δ34.00000°,λ-125.00000°. NP2:ϕ_s26.00000° ,δ63.00000°,λ-69.00000°. Principal axes: T 1.1500,Plg15.0000°,Azm101.0000° ; N 0.0300,Plg18.0000°,Azm196.0000°; P -1.1800,Plg66.0000°,Azm334.0000° M_o1.20000×10^{17}
BGS Error ellipse: s-maj=320.2km s-min=999.9km az=-1.0.

MAJOR DEEP FOCUS EARTHQUAKES
h>300km,M>=5

(171) South of Fiji Islands

ISC	**VII**	**03 03 02 36.0–.35**	**23.51S–.02**	**179.74W–.02**	**562–4**	**5.6b**	**931 6-175**	
MOS	VII	03 03 02 33.8–1.0	23.20S	179.73W	538	5.9b,5.0s		¶13379235
BJI	VII	03 03 02 34.7	23.02S	179.48W	554	5.7b,5.5b		
ISCJB	VII	03 03 02 34.2–.38	23.42S–.02	179.78W–.02	551–4	5.6b,5.5b		
SZGRF	VII	03 03 02 35.9	23.08S	179.06W	560	5.6b,5.5b		
IDC	VII	03 03 02 37.4–.35	23.35S	179.79W	575–3	5.3,5.3		
NEIC	VII	03 03 02 37.6–.09	23.37S	179.78W	581	6.2W,6.2W		
DJA	VII	03 03 02 37	23.50S	179.31W	650	5.8W,6.2W		
GCMT	VII	03 03 02 41.3–.10	23.41S	179.69W	590–0	6.2W,6.2W		

ISC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=7.3km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=144.9.
SZGRF South of Fiji Islands.
IDC Error ellipse: s-maj=7.2km s-min=7.1km az=128.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.5km az=151.0. Moment Tensor Solution. s60 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02 $M_{\theta\theta}$1.96 $M_{\phi\phi}$-0.94 $M_{r\theta}$1.72 $M_{\theta\phi}$0.04 $M_{\phi r}$0.39 Best double couple: NP1:ϕ_s253.00000°,δ72.00000°,λ-107.00000°. NP2:ϕ_s117.00000° ,δ25.00000°,λ-49.00000°. Principal axes: T 2.7600,Plg24.0000°,Azm356.0000° ; N -0.8300,Plg16.0000°,Azm258.0000°; P -1.9200,Plg59.0000°,Azm139.0000° M_o2.40000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s112,c285; s85,c128; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.27±.02 $M_{\theta\theta}$2.79±.02; $M_{\phi\phi}$-1.52±.03; $M_{r\theta}$1.60±.02; $M_{\theta\phi}$-0.38±.02; $M_{\phi r}$0.48±.02; Best double couple: NP1:ϕ_s134.00000°,δ41.00000°,λ-27.00000°. NP2:ϕ_s245.00000°,δ73.00000°,λ-128.00000°. Principal axes: T 3.3500,Plg19.0000° ,Azm3.0000°; N -1.0900,Plg36.0000°,Azm258.0000°; P -2.2700,Plg48.0000°,Azm115.0000° M_o2.80000×10^{18}

(171) South of Fiji Islands

ISC	**VII**	**05 00 46 12.2–.78**	**23.92S–.06**	**179.79W–.04**	**476–9**	**4.6b**	**291 6-175**	
BJI	VII	05 00 46 10.9	23.90S	179.80W	472	4.6b,4.6b		¶11009324
IDC	VII	05 00 46 11.9–1.2	23.86S	179.74W	474–13	4.3,4.2		
ISCJB	VII	05 00 46 11.0–.74	23.85S–.05	179.85W–.04	472–8	4.6b,4.2		
NEIC	VII	05 00 46 13.5–.63	23.92S	179.82W	492–7	4.7b,4.2		
BGS	VII	05 00 46 15.9–2.7	23.92S	179.82W	492–0	4.7b,4.2		
DJA	VII	05 00 46 29	23.95S	179.37E	650	5.1b,4.2		

ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=11.3km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.9km az=155.8.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.9km az=149.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(663) Sea of Okhotsk

ISC	**VII**	**05 02 12 06.1–.06**	**53.95N–.01**	**152.86E–.02**	**646**	**6.6b**	**2492 3-161**	
BGS	VII	05 02 12 00.7–1.1	53.52N	154.96E	633–0	6.7s,6.5b		¶12951048
KRSC	VII	05 02 12 01.1–.60	54.12N	152.20E	594–18	6.4L,6.5b		
SZGRF	VII	05 02 12 02.3	53.73N	153.93E	635	7.5b,6.5b		
MOS	VII	05 02 12 02.3–.88	53.92N	152.90E	615	6.9b,6.5s		
BJI	VII	05 02 12 03.3	53.83N	152.95E	636	7.4b,6.7b		
IDC	VII	05 02 12 04.0–.75	53.91N	153.03E	627–9	5.9b,5.9		
NEIC	VII	05 02 12 04.5–.24	53.88N	152.89E	633–3	7.7W,7.7W		
ISCJB	VII	05 02 12 04.5–.06	53.91N–.01	152.92E–.02	644	6.6b,7.7W		
DJA	VII	05 02 12 05	54.10N	153.05E	650	7.2W,7.7W		
GCMT	VII	05 02 12 14.2–.10	54.12N	153.37E	611–1	7.7W,7.7W		

ISC Event type fe.
BGS Error ellipse: s-maj=114.5km s-min=294.6km az=-1.0.
KRSC Event type se.
SZGRF Sea of Okhotsk.
MOS Event type fe. Error ellipse: s-maj=7.5km s-min=4.6km az=97.1. Fault plane solution: P-wave C42, D307 . Felt (III-IV) at Petropavlovsk-Kamchatskiy, (III) at Severo-Kuril'sk, (II-III) at Yuzhno-Sakhalinsk, Kholmsk, Khabarovsk, Komsomol'sk-na-Amure, Uglegorsk, Shakhtersk, (II) at Okha. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s154.00000°,δ52.00000°,λ-128.00000°. NP2:ϕ_s26.00000°,δ52.00000°,λ-52.00000°. Principal axes: T Plg0.0000°,Azm90.0000°; N Plg29.0000°,Azm180.0000°; P Plg61.0000° ,Azm360.0000°
IDC Error ellipse: s-maj=7.2km s-min=5.9km az=136.0.
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=182.0. Felt at Klyuchi, Petropavlovsk- Kamchatskiy and Yuzhno-Sakhalinsk, Russia. Recorded [2 JMA] in eastern and northern Hokkaido, Japan. Also recorded [2 JMA] in Miyagi and [1 JMA] in Akita, Aomori, Iwate and Yamagata, Honshu. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s23.00000°,δ60.00000°,λ-45.00000°. NP2: ϕ_s140.00000°,δ52.00000°,λ-141.00000°. Principal axes: T Plg5.0000°,Azm83.0000° ; N Plg0.0000°,Azm0.0000°; P Plg52.0000°,Azm347.0000° Moment Tensor Solution. s134 Moment tensor: Scale 10^{20}Nm; M_{rr}-3.33 $M_{\theta\theta}$4.03 $M_{r\theta}$-2.13 $M_{\theta\phi}$-0.16 $M_{\phi r}$-0.16 Best double couple: NP1:ϕ_s152.00000°,δ51.00000°,λ-129.00000°. NP2:ϕ_s24.00000° ,δ53.00000°,λ-52.00000°. Principal axes: T 4.0400,Plg0.0000°,Azm88.0000° ; N 0.4900,Plg29.0000°,Azm178.0000°; P -4.5200,Plg60.0000°,Azm356.0000° M_o4.30000×10^{20} Moment Tensor Solution. M_o2.00000×10^{20}
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.2km az=169.9.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 119 sta. Moment Tensor Solution. s121,c339; s99,c313; Moment tensor: Scale 10^{20}Nm; M_{rr}-3.26±.02 $M_{\theta\theta}$-0.77±.02; $M_{\phi\phi}$4.03±.02; $M_{r\theta}$-2.18±.01; $M_{\theta\phi}$-0.85±.02; $M_{\phi r}$-1.00±.02; Best double couple: NP1:ϕ_s143.00000°,δ48.00000° ,λ-134.00000°. NP2:ϕ_s18.00000°,δ58.00000°,λ-52.00000°. Principal axes: T 4.2400,Plg5.0000°,Azm83.0000°; N 0.4800,Plg31.0000°,Azm176.0000° ; P -4.7200,Plg58.0000°,Azm344.0000° M_o4.50000×10^{20}

(663) Sea of Okhotsk

ISC	**VII**	**05 02 30 55.8–.16**	**54.09N–.03**	**153.93E–.03**	**486–1**	**5.0b**	**581**	**2-158**
BJI	VII	05 02 30 50.7	53.86N	154.77E	480	5.7b,5.4b		¶11009331
KRSC	VII	05 02 30 50.1–1.7	53.65N	155.21E	576–45	5.7L,5.4b		
IDC	VII	05 02 30 55.8–.90	54.12N	153.96E	488–10	4.6,4.6		
ISCJB	VII	05 02 30 55.1–.16	54.08N–.03	153.96E–.03	492–1	5.0b,4.6		
MOS	VII	05 02 30 55.0–.86	54.05N	154.12E	498	5.1b,4.6		
NEIC	VII	05 02 30 56.1–.32	54.08N	153.99E	495–3	5.0b,4.6		

ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=9.2km s-min=7.0km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.7km az=160.9.
MOS Error ellipse: s-maj=8.9km s-min=4.5km az=99.4.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.4km az=163.0.

(181) Fiji Islands region

ISC	**VII**	**06 13 23 07.7–.79**	**17.77S–.07**	**178.49W–.04**	**548–9**	**4.5b**	**350**	**8-175**
SZGRF	VII	06 13 22 08.9	17.81S	177.72W	33	4.5b		¶11086384
DJA	VII	06 13 22 49	18.09S	177.49W	411	5.2b		
ISCJB	VII	06 13 23 05.7–.74	17.75S–.07	178.54W–.04	537–8	4.5b		
MOS	VII	06 13 23 06.5–1.1	17.56S	178.56W	538	4.6b		
IDC	VII	06 13 23 07.8–1.1	17.83S	178.44W	555–12	4.1,4.1		
NEIC	VII	06 13 23 07.8–.63	17.78S	178.47W	556–7	4.4b,4.1		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=4.4km az=164.5.
MOS Error ellipse: s-maj=13.4km s-min=10.0km az=158.1.
IDC Error ellipse: s-maj=13.8km s-min=9.0km az=151.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.3km az=155.0.

(173) Tonga Islands

ISC	**VII**	**12 07 39 09.9–.82**	**19.14S–.09**	**177.45W–.09**	**548–11**	**4.5b**	**58**	**8-154**
DJA	VII	12 07 38 05	19.75S	173.67W	105	5.5b		¶11133614
SZGRF	VII	12 07 38 06.9	20.64S	176.28W	33	5.5b		
ISCJB	VII	12 07 39 09.4–.82	19.18S–.09	177.49W–.09	556–12	4.5b		
IDC	VII	12 07 39 10.1–1.4	19.17S	177.39W	556–16	4.0,3.9		
BJI	VII	12 07 39 11.5	18.68S	177.32W	566	4.6b,4.5b		
NEIC	VII	12 07 39 11.0–.82	19.03S	177.49W	566–9	4.3b,4.5b		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=9.2km az=140.2.
IDC Error ellipse: s-maj=23.9km s-min=11.4km az=145.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=7.2km az=149.0.

(220) Northwest of Kuril Islands

ISC	**VII**	**14 07 17 41.3–.26**	**48.09N–.04**	**150.14E–.03**	**313–3**	**4.1b**	**502**	**3-150**
NIED	VII	14 07 17 00	47.10N	150.80E	340	4.9W		¶11121244
ISCJB	VII	14 07 17 40.5–.27	48.14N–.04	150.11E–.04	319–3	4.0b		
IDC	VII	14 07 17 41.7–1.4	48.26N	150.10E	319–14	3.9,3.8		
BJI	VII	14 07 17 41.4	48.12N	149.93E	321	4.5b,4.3b		
MOS	VII	14 07 17 41.0–.82	48.24N	150.06E	327	3.9b,4.3b		
NEIC	VII	14 07 17 43.0–.71	48.23N	150.02E	331–8	4.0b,4.3b		
SKHL	VII	14 07 17 42.5–2.2	48.12N	150.09E	277–6	5.3b,5.0s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s246.00000°,δ89.00000°,λ116.00000°. NP2:ϕ_s339.00000°,δ26.00000°,λ3.00000°. M_o2.15000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.2km az=158.8.
IDC Error ellipse: s-maj=11.3km s-min=8.1km az=138.0.
MOS Error ellipse: s-maj=10.6km s-min=7.4km az=67.7.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.4km az=162.0.

(173) Tonga Islands

ISC	**VII**	**15 10 33 20.9–.71**	**17.20S–.05**	**177.27W–.04**	**364–6**	**4.7b**	**180**	**5-154**
DJA	VII	15 10 32 22	17.80S	173.62W	29	5.6b		¶11126419
ISCJB	VII	15 10 33 19.8–.63	17.18S–.05	177.31W–.04	365–6	4.7b		
NEIC	VII	15 10 33 20.4–.90	17.15S	177.24W	363–8	4.7b		
IDC	VII	15 10 33 21.5–1.4	17.26S	177.21W	377–13	4.4,4.4		
SZGRF	VII	15 10 33 26.2	16.63S	177.19W	33	4.4,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.9km az=154.5.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.6km az=145.0.
IDC Error ellipse: s-maj=16.0km s-min=9.7km az=144.0.
SZGRF Fiji Islands region.

(181) Fiji Islands region

ISC	**VII**	**19 22 34 16.5–.68**	**20.12S–.05**	**178.48W–.04**	**571–8**	**4.7b**	**446**	**4-160**
SZGRF	VII	19 22 34 09.8	20.33S	177.92W	516	4.7b		¶11133696
ISCJB	VII	19 22 34 15.7–.67	20.13S–.05	178.52W–.04	575–8	4.7b		
NEIC	VII	19 22 34 16.8–.64	20.09S	178.48W	576–7	4.7b		
IDC	VII	19 22 34 17.2–1.0	20.12S	178.38W	584–10	4.3,4.3		
DJA	VII	19 22 34 18	20.06S	178.79W	572	5.0b,4.3		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.9km az=162.7.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.4km az=140.0.
IDC Error ellipse: s-maj=12.8km s-min=9.5km az=130.0.

(181) Fiji Islands region

ISC	**VII**	**19 22 39 52.6–.07**	**17.40S–.02**	**177.28W–.02**	**389**	**5.9b**	**1087**	**4-167**
NOU	VII	19 22 39 04.3–.59	7.42S	177.34E	0–999	5.9b		¶12951442
SZGRF	VII	19 22 39 09.5	18.41S	177.48W	382	5.9b		
BGS	VII	19 22 39 49.6–8.2	17.34S	177.31W	391–0	5.9b		
BJI	VII	19 22 39 50.5	17.08S	176.96W	384	5.9b,5.8b		
MOS	VII	19 22 39 50.8–.94	17.33S	177.33W	384	6.0b,5.4s		
ISCJB	VII	19 22 39 51.1–.07	17.40S–.02	177.31W–.02	387	5.9b,5.4s		
DJA	VII	19 22 39 51	17.47S	177.11W	393	6.1W,5.4s		
NEIC	VII	19 22 39 52.7–.06	17.34S	177.31W	391	6.4W,6.3W		
IDC	VII	19 22 39 52.7–.33	17.30S	177.31W	387–2	5.6,5.6		
GCMT	VII	19 22 39 56.8–.10	17.22S	177.05W	395–0	6.4W,5.6		

ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Fiji Islands region.
BGS Error ellipse: s-maj=235.1km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=8.5km s-min=6.3km az=67.8.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=1.8km az=140.5.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.4km az=128.0. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ65.00000° ,λ-80.00000°. NP2:ϕ_s292.00000°,δ27.00000°,λ-110.00000°. Principal axes: T Plg19.0000° ,Azm218.0000°; N Plg0.0000°,Azm0.0000°; P Plg68.0000°,Azm65.0000° Moment Tensor Solution. s98 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.69 $M_{\theta\theta}$2.26 $M_{\phi\phi}$0.43 $M_{r\theta}$-0.95 $M_{\theta\phi}$-1.09 $M_{\phi r}$1.85 Best double couple: NP1:ϕ_s135.00000°,δ64.00000°,λ-71.00000°. NP2:ϕ_s278.00000° ,δ32.00000°,λ-123.00000°. Principal axes: T 3.2600,Plg16.0000°,Azm211.0000° ; N 0.3100,Plg16.0000°,Azm306.0000°; P -3.5800,Plg65.0000°,Azm79.0000° M_o3.40000×10^{18}
IDC Error ellipse: s-maj=7.5km s-min=6.6km az=163.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 106 sta. Moment Tensor Solution. s115,c306; s99,c194; Moment tensor: Scale 10^{18}Nm; M_{rr}-3.50±.02 $M_{\theta\theta}$3.72±.04; $M_{\phi\phi}$-0.22±.04; $M_{r\theta}$-0.77±.03; $M_{\theta\phi}$-3.19±.04; $M_{\phi r}$2.02±.03; Best double couple: NP1: ϕ_s271.00000°,δ42.00000°,λ-134.00000°. NP2:ϕ_s143.00000°,δ61.00000°,λ-58.00000°. Principal axes: T 5.8000,Plg10.0000°,Azm211.0000°; N -1.2700,Plg28.0000°,Azm307.0000° ; P -4.5300,Plg60.0000°,Azm102.0000° M_o5.20000×10^{18}

(212) Bonin Islands region

ISC	**VII**	**20 21 30 30.2–.08**	**27.77N–.02**	**139.71E–.02**	**485**	**5.2b**	**1126**	**2-165**
NIED	VII	20 21 30 00	27.80N	140.00E	480	5.7W		¶11134010
BJI	VII	20 21 30 26.7	27.60N	139.91E	485	5.5b,5.4b		
IDC	VII	20 21 30 29.5–.35	27.80N	139.74E	483–3	4.8,4.8		
JMA	VII	20 21 30 29.8–.20	27.83N	140.00E	492–4	6.4,4.8		
MOS	VII	20 21 30 29.8–.89	27.75N	139.67E	500	5.2b,4.9s		
ISCJB	VII	20 21 30 29.2–.08	27.78N–.02	139.70E–.02	483	5.2b,4.9s		
NEIC	VII	20 21 30 29.6–.09	27.77N	139.62E	481	5.8W,5.7W		
GCMT	VII	20 21 30 31.8–.20	27.81N	139.60E	486–1	5.8W,5.7W		
DJA	VII	20 21 30 38	27.86N	140.02E	650	5.3b,5.7W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s305.00000°,δ71.00000°,λ-68.00000°. NP2:ϕ_s74.00000°,δ28.00000°,λ-138.00000°. M_o4.02000×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=5.0km az=87.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
MOS Error ellipse: s-maj=10.0km s-min=5.9km az=98.5.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=152.7.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=152.0. Recorded [1 JMA] in the Chichijima-retto and Hahajima-retto. Moment Tensor Solution. s43 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.70 $M_{\theta\theta}$3.36 $M_{\phi\phi}$-1.66 $M_{r\theta}$2.19 $M_{\theta\phi}$-0.97 $M_{\phi r}$-4.50 Best double couple: NP1: ϕ_s323.00000°,δ81.00000°,λ-61.00000°. NP2:ϕ_s68.00000°,δ30.00000°,λ-162.00000°. Principal axes: T 5.3800,Plg30.0000°,Azm29.0000°; N 0.8900,Plg28.0000°,Azm137.0000° ; P -6.2600,Plg46.0000°,Azm262.0000° M_o5.90000×10^{17} Moment Tensor Solution. M_o4.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s86,c175; s56,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.20±.09 $M_{\theta\theta}$3.72±.13; $M_{\phi\phi}$-0.51±.15; $M_{r\theta}$3.84±.14; $M_{\theta\phi}$-1.04±.13; $M_{\phi r}$-4.54±.12; Best double couple: NP1:ϕ_s79.00000°,δ22.00000°,λ-142.00000°. NP2:ϕ_s313.00000°,δ76.00000°,λ-72.00000°. Principal axes: T 6.7200,Plg29.0000° ,Azm28.0000°; N 0.4800,Plg17.0000°,Azm129.0000°; P -7.2000,Plg55.0000°,Azm245.0000° M_o7.00000×10^{17}

(181) Fiji Islands region

ISC	**VII**	**25 05 01 30.2–.79**	**18.09S–.06**	**179.06W–.04**	**627–10**	**4.5b**	**419**	**3-175**
DJA	VII	25 05 01 05	18.35S	177.02W	485	5.2b		¶11812572
MOS	VII	25 05 01 28.6–1.4	17.92S	179.04W	621	4.5b		
IDC	VII	25 05 01 28.1–1.0	18.12S	178.93W	611–11	4.2,4.0		
ISCJB	VII	25 05 01 29.1–.79	18.12S–.06	179.10W–.04	632–10	4.5b,4.0		
NEIC	VII	25 05 01 30.2–.61	18.09S	179.03W	636–7	4.5b,4.0		

ISC Event type se.
MOS Error ellipse: s-maj=12.4km s-min=10.0km az=156.5.
IDC Error ellipse: s-maj=15.3km s-min=9.0km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.2km az=159.6.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=148.0.

(280) Banda Sea

ISC	**VII**	**27 19 30 51.5–.33**	**7.46S–.02**	**126.50E–.03**	**322–3**	**4.8b**	**270**	**4-159**
MOS	VII	27 19 30 46.0–1.1	7.28S	126.46E	275	4.9b		¶11153833
BJI	VII	27 19 30 48.6	7.40S	126.75E	318	4.7b,4.6b		
NEIC	VII	27 19 30 50.8–.57	7.36S	126.49E	314–5	4.9b,4.6b		
ISCJB	VII	27 19 30 50.2–.32	7.46S–.02	126.47E–.03	325–3	4.8b,4.6b		
IDC	VII	27 19 30 51.2–1.3	7.38S	126.49E	318–12	4.7,4.6b		
DJA	VII	27 19 30 51	7.55S	126.48E	288	5.5b,4.6b		
GCMT	VII	27 19 30 53.3–.50	7.33S	126.45E	328–3	5.2W,4.6b		

ISC Event type se.
MOS Error ellipse: s-maj=10.7km s-min=6.2km az=112.3.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.1km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=151.6.
IDC Error ellipse: s-maj=13.4km s-min=6.7km az=65.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s39,c55; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35±.35 $M_{\theta\theta}$4.78±.47; $M_{\phi\phi}$-3.43±.61; $M_{r\theta}$-1.58±.50; $M_{\theta\phi}$4.63±.47; $M_{\phi r}$1.53±.52; Best double couple: NP1:ϕ_s203.00000°,δ70.00000°,λ-168.00000°. NP2: ϕ_s109.00000°,δ79.00000°,λ-20.00000°. Principal axes: T 6.9500,Plg6.0000°,Azm157.0000° ; N -0.5900,Plg67.0000°,Azm261.0000°; P -6.3600,Plg22.0000°,Azm64.0000° M_o6.70000×10^{16}

(181) Fiji Islands region

ISC	**VII**	**30 12 59 16.3–.60**	**21.89S–.06**	**179.62W–.04**	**603–6**	**4.7b**	**538**	**5-171**
DJA	VII	30 12 58 19	21.70S	176.02W	213	5.5b		¶11153983
MOS	VII	30 12 59 12.5–1.0	21.67S	179.65W	569	4.8b		
BJI	VII	30 12 59 13.9	21.90S	179.60W	590	4.7b,4.6b		
IDC	VII	30 12 59 13.4–1.1	21.94S	179.38W	577–11	4.3,4.2		
NEIC	VII	30 12 59 16.0–.59	21.95S	179.61W	606–6	5.1b,4.2		
SZGRF	VII	30 12 59 15.4	21.71S	178.34W	600	5.1b,4.2		
ISCJB	VII	30 12 59 15.5–.58	21.96S–.06	179.64W–.04	611–7	4.7b,4.2		
BGS	VII	30 12 59 18.2–5.5	21.95S	179.61W	606–0	5.1b,4.2		

ISC Event type se.
MOS Error ellipse: s-maj=12.4km s-min=9.4km az=53.4.
IDC Error ellipse: s-maj=14.9km s-min=10.9km az=127.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.4km az=143.0.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.6km az=155.8.
BGS Error ellipse: s-maj=351.3km s-min=999.9km az=-1.0.

(177) Kermadec Islands region

ISC	**VIII**	**07 10 24 46.2–.50**	**30.33S–.04**	**179.95W–.05**	**436–6**	**4.5b**	**375**	**7-171**
ISCJB	VIII	07 10 24 45.1–.52	30.34S–.04	179.98E–.05	437–6	4.5b		¶11165599
NEIC	VIII	07 10 24 46.5–.66	30.30S	179.99E	448–8	4.7b		
BJI	VIII	07 10 24 46.6	29.87S	179.83E	430	5.1b,4.9b		
IDC	VIII	07 10 24 46.2–1.1	30.02S	179.92E	442–10	4.1,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.7km az=146.1.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.7km az=145.0.
IDC Error ellipse: s-maj=12.6km s-min=9.4km az=155.0.

(181) Fiji Islands region

ISC	**VIII**	**08 07 58 51.8–.60**	**17.84S–.06**	**178.08W–.05**	**606–7**	**4.4b**	**472**	**4-175**
SZGRF	VIII	08 07 57 43.2	19.60S	178.16W	33	4.4b		¶11159988
ISCJB	VIII	08 07 58 51.7–.57	17.86S–.06	178.12W–.05	622–7	4.4b		
BJI	VIII	08 07 58 51.2	17.83S	177.83W	624	5.2b,4.5b		
IDC	VIII	08 07 58 51.2–1.1	17.99S	177.96W	608–14	4.0,4.0		
NEIC	VIII	08 07 58 52.4–.51	17.83S	178.08W	616–6	4.5b,4.0		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=4.9km az=151.9.
IDC Error ellipse: s-maj=13.6km s-min=7.8km az=138.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=4.8km az=142.0.

(181) Fiji Islands region

ISC	**VIII**	**11 21 30 04.4–.61**	**20.56S–.05**	**177.97W–.05**	**550–6**	**4.6b**	**99**	**5-173**
SZGRF	VIII	11 21 29 06.5	20.38S	177.58W	33	4.6b		¶11163374
DJA	VIII	11 21 29 50	20.37S	177.37W	421	5.2b		
IDC	VIII	11 21 30 02.9–1.4	20.52S	177.94W	533–16	4.2,4.2		
NEIC	VIII	11 21 30 03.9–.23	20.44S	178.03W	544	4.6b,4.2		
ISCJB	VIII	11 21 30 04.3–.62	20.63S–.05	178.03W–.06	562–7	4.6b,4.2		

ISC Event type se.
SZGRF Fiji Islands region.
NEIC Event type se.
ISCJB Event type se.

(171) South of Fiji Islands

ISC	**VIII**	**18 09 53 29.3–.45**	**19.77S–.03**	**179.92E–.03**	**526–5**	**5.1b**	**706**	**3-173**
MOS	VIII	18 09 53 27.6–.87	19.41S	179.89E	507	5.2b		¶11169842
NEIC	VIII	18 09 53 28.9–.52	19.74S	180.00W	528–5	5.2b		
BGS	VIII	18 09 53 28.8–6.6	19.74S	180.00E	528–0	5.2b		
DJA	VIII	18 09 53 28	19.77S	179.97W	518	5.2b		
ISCJB	VIII	18 09 53 28.5–.46	19.79S–.03	179.88E–.03	529–5	5.1b		
BJI	VIII	18 09 53 28.3	19.27S	179.81W	518	5.2b,4.9b		
IDC	VIII	18 09 53 30.9–1.6	19.67S	179.89E	542–16	4.8,4.8		
GCMT	VIII	18 09 53 33.2–.40	19.34S	179.92E	538–2	5.3W,4.8		
SZGRF	VIII	18 09 54 22.9	19.75S	179.05W	561	5.3W,4.8		

ISC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=8.8km az=83.7.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.0km az=111.0.
BGS Error ellipse: s-maj=236.1km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=39.9.
IDC Error ellipse: s-maj=11.1km s-min=9.0km az=134.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c79; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56±.04 $M_{\theta\theta}$0.25±.06; $M_{\phi\phi}$0.31±.06; $M_{r\theta}$-1.17±.06; $M_{\theta\phi}$-0.22±.06; $M_{\phi r}$-0.10±.06; Best double couple: NP1:ϕ_s320.00000°,δ15.00000°,λ-42.00000°. NP2: ϕ_s91.00000°,δ80.00000°,λ-101.00000°. Principal axes: T 1.1000,Plg34.0000°,Azm191.0000° ; N 0.3200,Plg11.0000°,Azm93.0000°; P -1.4200,Plg54.0000°,Azm348.0000° M_o1.30000×10^{17}
SZGRF Fiji Islands region.

(280) Banda Sea

ISC	**VIII**	**23 04 47 18.6–.24**	**4.67S–.02**	**125.82E–.03**	**436–2**	**4.6b**	**231**	**2-158**
BJI	VIII	23 04 47 11.8	5.27S	126.15E	435	4.5b,4.4b		¶11184426
ISCJB	VIII	23 04 47 17.9–.24	4.68S–.02	125.81E–.03	443–2	4.6b,4.4b		
MOS	VIII	23 04 47 17.2–.94	4.56S	125.82E	429	4.6b,4.4b		
NEIC	VIII	23 04 47 18.5–.53	4.64S	125.79E	436–5	4.6b,4.4b		
IDC	VIII	23 04 47 18.6–.65	4.66S	125.78E	434–6	4.2,4.2		
TEH	VIII	23 04 47 18.0	4.66S	125.79E	432	4.2,4.2		
DJA	VIII	23 04 47 18	4.68S	125.84E	439	5.1b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.6km az=147.1.
MOS Error ellipse: s-maj=14.4km s-min=6.9km az=122.7.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=51.0.
IDC Error ellipse: s-maj=12.7km s-min=6.0km az=58.0.

(171) South of Fiji Islands

ISC	**VIII**	**26 08 23 03.3–.93**	**25.44S–.05**	**179.53E–.06**	**485–11**	**4.3b**	**283**	**8-166**
BJI	VIII	26 08 23 01.1	25.32S	179.65E	476	5.0b,4.7b		¶13392636
ISCJB	VIII	26 08 23 02.4–1.0	25.38S–.04	179.49E–.06	483–12	4.3b,4.7b		
NEIC	VIII	26 08 23 02.3–.90	25.29S	179.60E	476–10	4.4b,4.7b		
IDC	VIII	26 08 23 05.4–1.3	25.29S	179.44E	511–13	3.9,3.9		
BGS	VIII	26 08 23 05.7–2.7	25.29S	179.60E	476–0	4.4b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.5km az=14.1.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.4km az=144.0.
IDC Error ellipse: s-maj=13.8km s-min=10.5km az=164.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(265) Minahassa Peninsula, Sulawesi

ISC	**VIII**	**29 10 20 55.3–.16**	**0.93N–.02**	**121.05E–.02**	**567–2**	**4.8b**	**408**	**0-164**
BJI	VIII	29 10 20 51.4	0.65N	121.22E	566	5.0b,4.7b		¶13392891
ISCJB	VIII	29 10 20 54.6–.17	0.95N–.02	121.06E–.02	575–2	4.8b,4.7b		
MOS	VIII	29 10 20 55.6–1.2	1.13N	121.05E	578	4.8b,4.7b		
NEIC	VIII	29 10 20 55.5–.39	1.02N	121.02E	567–4	4.9b,4.7b		
IDC	VIII	29 10 20 56.2–.73	1.00N	121.11E	580–8	4.3,4.2b		
DJA	VIII	29 10 20 56	0.83N	121.00E	551	5.3W,4.2b		
GCMT	VIII	29 10 20 57.3–.30	1.03N	121.20E	560–2	5.2W,4.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.9km az=178.2.
MOS Error ellipse: s-maj=9.8km s-min=5.8km az=114.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.5km az=64.0.
IDC Error ellipse: s-maj=9.8km s-min=4.7km az=68.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tension Solution. s64,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}7.17±.35 $M_{\theta\theta}$-7.63±.46; $M_{\phi\phi}$0.47±.63; $M_{r\theta}$0.15±.58; $M_{\theta\phi}$0.41±.50; $M_{\phi r}$-4.11±.59; Best double couple: NP1:ϕ_s250.00000°,δ49.00000°,λ55.00000°. NP2: ϕ_s116.00000°,δ52.00000°,λ123.00000°. Principal axes: T 9.1200,Plg65.0000°,Azm90.0000° ; N -1.4600,Plg25.0000°,Azm274.0000°; P -7.6600,Plg2.0000°,Azm184.0000° $M_0$8.40000×10^{16}

(171) South of Fiji Islands

ISC	**IX**	**01 06 14 26.4–.85**	**23.39S–.06**	**179.93W–.04**	**546–10**	**4.7b**	**337**	**6-170**
DJA	IX	01 06 14 17	23.27S	179.07W	517	5.0b		¶11227347
ISCJB	IX	01 06 14 26.0–.83	23.41S–.05	179.97W–.04	555–10	4.7b		
NEIC	IX	01 06 14 26.7–.75	23.37S	179.89W	553–8	4.8b		
IDC	IX	01 06 14 28.0–.62	23.29S	179.95W	566–7	4.2,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=156.9.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.9km az=142.0.
IDC Error ellipse: s-maj=12.0km s-min=8.9km az=153.0.

(211) Southeast of Honshu

ISC	**IX**	**01 20 53 28.3–.24**	**29.84N–.02**	**139.29E–.02**	**372–2**	**5.0b**	**1269**	**3-165**
SZGRF	IX	01 20 52 49.9	30.04N	140.23E	33	5.4b		¶13393162
NIED	IX	01 20 53 00	29.70N	139.90E	360	5.1W		
BGS	IX	01 20 53 21.9–1.6	28.61N	137.89E	350–0	4.9b		
BJI	IX	01 20 53 24.6	29.72N	139.34E	352	5.3b,4.8b		
JMA	IX	01 20 53 25.5–.20	29.74N	139.87E	375–3	5.4,4.8b		
IDC	IX	01 20 53 25.7–.47	29.70N	139.47E	355–4	4.7,4.7		
MOS	IX	01 20 53 25.9–.78	29.81N	139.30E	363	5.2b,4.7		
NEIC	IX	01 20 53 25.3–.14	29.73N	139.33E	349	5.0b,5.0W		
ISCJB	IX	01 20 53 26.4–.25	29.79N–.02	139.26E–.02	365–2	5.0b,5.0W		
TEH	IX	01 20 53 27.0	29.83N	139.49E	368	5.0b,5.0W		
DJA	IX	01 20 53 29	29.67N	139.37E	394	5.0b,5.0W		

ISC Event type se.
SZGRF Southeast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s323.00000°,δ59.00000°,λ-42.00000°. NP2:ϕ_s79.00000°,δ55.00000°,λ-140.00000°. $M_0$4.73000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=6.1km az=77.0.
MOS Error ellipse: s-maj=8.5km s-min=3.9km az=112.7.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.4km az=158.0. Moment Tensor Solution. $M_0$4.70000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.2km az=155.2.

(131) Tucuman Province

ISC	**IX**	**03 11 25 14.6–.11**	**26.83S–.02**	**63.19W–.02**	**571**	**5.9b**	**1290**	**6-178**
DJA	IX	03 11 24 11	26.14S	64.20W	15	6.9b		¶12951880
SZGRF	IX	03 11 24 58.5	28.07S	64.38W	576	6.9b		
IGIL	IX	03 11 25 13.0	26.57S	63.18W	547	5.3s		
BJI	IX	03 11 25 13.5	26.22S	63.79W	566	6.0b		
ISCJB	IX	03 11 25 13.6–.10	26.77S–.02	63.21W–.02	569	5.9b		
IDC	IX	03 11 25 15.0–.28	26.67S	63.29W	575–2	5.5,5.5		
NEIC	IX	03 11 25 14.4–.10	26.74S	63.23W	570	6.3W,6.3W		
MOS	IX	03 11 25 14.2–.78	26.71S	63.29W	576	6.1b,5.1s		
LDG	IX	03 11 25 14.8–.53	26.31S	63.34W	570–0	6.0b,4.9s		
GCMT	IX	03 11 25 17.6–.10	26.85S	63.30W	571–0	6.3W,4.9s		
BGS	IX	03 11 25 22.8–1.3	25.06S	61.88W	570–0	5.4b,4.9s		

ISC Event type fe.
SZGRF Santiago del Estero Province, Argentina.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=169.1.
IDC Error ellipse: s-maj=7.5km s-min=5.2km az=61.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=27.0. Felt [III] at Catamarca, Cordoba, La Rioja, Mendoza, San Juan, San Miguel de Tucuman and Santiago del Estero. Also felt at Calama and Copiapo, Chile. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s150.00000°,δ70.00000°,λ-90.00000°. NP2: ϕ_s330.00000°,δ20.00000°,λ-90.00000°. Principal axes: T Plg25.0000°,Azm240.0000° ; N Plg0.0000°,Azm0.0000°; P Plg65.0000°,Azm60.0000° Moment Tensor Solution. s78 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.48 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$2.16 $M_{r\theta}$-1.84 $M_{\theta\phi}$-0.24 $M_{\phi r}$2.45 Best double couple: NP1:ϕ_s147.00000°,δ77.00000°,λ-110.00000°. NP2:ϕ_s25.00000° ,δ23.00000°,λ-35.00000°. Principal axes: T 3.6700,Plg29.0000°,Azm253.0000° ; N -0.0900,Plg18.0000°,Azm152.0000°; P -3.5700,Plg54.0000°,Azm33.0000° $M_0$3.60000×10^{18}
MOS Error ellipse: s-maj=8.0km s-min=5.1km az=77.8.
LDG Event type ke. Error ellipse: s-maj=35.7km s-min=21.6km az=64.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s110,c241; s85,c122; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.31±.02 $M_{\theta\theta}$-0.54±.03; $M_{\phi\phi}$1.85±.03; $M_{r\theta}$-1.60±.03; $M_{\theta\phi}$-0.09±.02; $M_{\phi r}$2.39±.02; Best double couple: NP1:ϕ_s26.00000°,δ21.00000°,λ-36.00000°. NP2:ϕ_s150.00000°,δ78.00000°,λ-108.00000°. Principal axes: T 3.3300,Plg30.0000° ,Azm255.0000°; N -0.0300,Plg17.0000°,Azm154.0000°; P -3.3000,Plg54.0000° ,Azm39.0000° $M_0$3.30000×10^{18}
BGS Error ellipse: s-maj=981.3km s-min=435.2km az=-1.0.

(211) Southeast of Honshu

ISC	**IX**	**05 15 12 03.7–.13**	**32.67N–.02**	**137.05E–.01**	**411–1**	**5.2b**	**1598**	**1-162**
SZGRF	IX	05 15 11 54.9	31.92N	138.93E	400	5.8b		¶13393502
NIED	IX	05 15 12 00	32.70N	137.30E	420	5.3W		
BJI	IX	05 15 12 01.6	32.65N	136.98E	398	5.6b,5.1b		
MOS	IX	05 15 12 02.1–.90	32.67N	137.11E	409	5.3b,4.3s		
JMA	IX	05 15 12 02.6–.30	32.68N	137.30E	419–3	5.6,4.3s		
ISCJB	IX	05 15 12 02.8–.13	32.63N–.02	137.02E–.01	413–1	5.2b,4.3s		
TEH	IX	05 15 12 02.0	32.63N	137.07E	399	5.2b,4.3s		
IDC	IX	05 15 12 03.0–.41	32.67N	137.16E	409–3	5.0,5.0		
NEIC	IX	05 15 12 03.2–.10	32.63N	137.05E	410	5.3W,5.3W		
GCMT	IX	05 15 12 05.3–.30	32.68N	137.09E	412–1	5.3W,5.3W		
BGS	IX	05 15 12 08.4–1.7	33.12N	134.23E	400–999	5.0b,5.3W		
DJA	IX	05 15 12 24	31.95N	136.75E	650	5.4W,5.3W		

ISC Event type fe.
SZGRF Southeast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ66.00000°,λ-49.00000°. NP2:ϕ_s82.00000°,δ47.00000°,λ-146.00000°. $M_0$9.56000×10^{16}
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=108.1.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s94.00000°,δ46.00000°,λ-150.00000°. NP2: ϕ_s342.00000°,δ69.00000°,λ-48.00000°. Principal axes: T Plg14.0000°,Azm43.0000° ; N Plg39.0000°,Azm144.0000°; P Plg48.0000°,Azm297.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=150.7.
IDC Error ellipse: s-maj=7.6km s-min=5.8km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=152.0. Felt at Tokyo, Honshu. Recorded [2 JMA] in Fukushima, Gumma, Ibaraki, Miyagi, Saitama and Tochigi; [1 JMA] in Chiba, Iwate, Kanagawa, Nagano and Tokyo. Moment Tensor Solution. s17 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s74.00000°,δ48.00000°,λ-152.00000°. NP2:ϕ_s324.00000°,δ70.00000°,λ-46.00000°. Principal axes: T 0.9700,Plg13.0000°,Azm23.0000°; N 0.1700,Plg40.0000°,Azm125.0000° ; P -1.1300,Plg46.0000°,Azm279.0000° $M_0$1.10000×10^{17} Moment Tensor Solution. $M_9$6.60000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s70,c112; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s78.00000°,δ48.00000°,λ-146.00000°. NP2:ϕ_s324.00000° ,δ66.00000°,λ-48.00000°. Principal axes: T 1.1500,Plg11.0000°,Azm25.0000° ; N 0.0700,Plg38.0000°,Azm124.0000°; P -1.2200,Plg50.0000°,Azm282.0000° $M_0$1.20000×10^{17}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(212) Bonin Islands region

ISC	**IX**	**06 11 38 56.7–.11**	**28.26N–.02**	**138.96E–.02**	**518**	**4.7b**	**673**	**3-165**
NIED	IX	06 11 38 00	28.30N	139.20E	540	4.9W		¶13393578
ISCJB	IX	06 11 38 55.6–.11	28.25N–.02	138.95E–.02	516	4.7b		
JMA	IX	06 11 38 55.4–.20	28.28N	139.23E	536–4	5.0		
BJI	IX	06 11 38 56.1	28.25N	138.99E	539	5.2b,4.8b		
NEIC	IX	06 11 38 56.2–.13	28.28N	138.91E	515	4.8W,4.8b		
MOS	IX	06 11 38 56.7–.97	28.35N	138.90E	534	4.9b,4.8b		
IDC	IX	06 11 38 57.6–.42	28.30N	138.94E	533–4	4.2,4.2		
DJA	IX	06 11 39 06	27.99N	138.87E	650	5.1b,4.2		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ63.00000°,λ-87.00000°. NP2:ϕ_s83.00000°,δ27.00000°,λ-95.00000°. $M_0$2.34000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=2.1km az=135.5.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.2km az=135.0. Moment Tensor Solution. $M_0$2.30000×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=5.1km az=102.8.
IDC Error ellipse: s-maj=8.9km s-min=6.2km az=94.0.

(182) Fiji Islands

ISC	**IX**	**08 19 51 44.9–.52**	**17.66S–.04**	**179.58E–.03**	**602–6**	**5.1b**	**587**	**1-175**
DJA	IX	08 19 50 25	18.49S	175.81W	50	6.3W		¶11245873
SZGRF	IX	08 19 50 35.7	19.53S	179.47W	33	6.3W		
ISCJB	IX	08 19 51 43.5–.65	17.68S–.05	179.57E–.03	601–8	5.1b		
MOS	IX	08 19 51 43.8–1.2	17.54S	179.65E	602	5.3b		
IDC	IX	08 19 51 44.1–.90	17.65S	179.62E	597–10	4.6,4.6		
NEIC	IX	08 19 51 44.7–.46	17.58S	179.61E	606–5	5.2b,4.6		
BJI	IX	08 19 51 45.9	16.98S	179.67E	605	5.4b,4.7b		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.3km az=156.1.
MOS Error ellipse: s-maj=11.5km s-min=9.2km az=45.1.
IDC Error ellipse: s-maj=10.9km s-min=7.6km az=147.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.1km az=145.0.

(181) Fiji Islands region

ISC	**IX**	**09 11 04 12.5–.79**	**17.69S–.08**	**178.30W–.07**	**541–9**	**4.4b**	**50**	**3-175**
SZGRF	IX	09 11 03 14.0	18.38S	178.98W	33	4.4b		¶11783434
ISCJB	IX	09 11 04 10.2–.78	17.66S–.08	178.30W–.07	526–10	4.4b		
BJI	IX	09 11 04 11.0	17.64S	177.77W	552	4.8b,4.7b		
IDC	IX	09 11 04 12.6–.67	17.65S	178.48W	537–8	3.9,3.9		
NEIC	IX	09 11 04 12.1–.64	17.67S	178.32W	534–7	5.2b,3.9		

ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.3km az=141.8.
IDC Error ellipse: s-maj=12.9km s-min=9.0km az=134.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.1km az=147.0.

(171) South of Fiji Islands

ISC	**IX**	**11 21 04 43.1–.51**	**21.89S–.04**	**178.95W–.04**	**579–6**	**4.8b**	**303**	**5-168**
SZGRF	IX	11 21 03 38.6	22.96S	178.01W	33	4.8b		¶11265512
BJI	IX	11 21 04 40.0	21.80S	178.90W	566	4.7b,4.6b		
ISCJB	IX	11 21 04 41.8–.62	21.85S–.04	178.99W–.04	576–8	4.8b,4.6b		
MOS	IX	11 21 04 42.4–2.9	21.35S	179.07W	546	4.7b,4.6b		
NEIC	IX	11 21 04 42.1–.48	21.77S	178.93W	566–5	4.8b,4.6b		
IDC	IX	11 21 04 44.0–.43	21.86S	178.95W	585–4	4.4,4.4		
BGS	IX	11 21 04 43.4–4.5	21.77S	178.93W	566–0	4.8b,4.4		
GCMT	IX	11 21 04 45.6–.30	21.81S	178.84W	587–3	5.4W,4.4		
DJA	IX	11 21 04 52	22.02S	179.67W	650	5.1b,4.4		

ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.6km az=151.9.
MOS Error ellipse: s-maj=10.0km s-min=9.0km az=48.6.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=143.0.
IDC Error ellipse: s-maj=9.4km s-min=7.4km az=147.0.
BGS Error ellipse: s-maj=392.2km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}0.28±.04 $M_{\theta\theta}$1.16±.06; $M_{\phi\phi}$-1.43±.05; $M_{r\theta}$0.44±.06; $M_{\theta\phi}$-0.17±.06; $M_{\phi r}$-0.34±.07; Best double couple: NP1:ϕ_s47.00000°,δ66.00000°,λ170.00000°. NP2: ϕ_s141.00000°,δ81.00000°,λ24.00000°. Principal axes: T 1.3700,Plg23.0000°,Azm6.0000° ; N 0.1300,Plg64.0000°,Azm160.0000°; P -1.5000,Plg10.0000°,Azm272.0000° $M_0$1.40000×10^{17}

(181) Fiji Islands region

ISC	**IX**	**13 19 19 14.4–.83**	**20.32S–.04**	**177.80W–.04**	**389–8**	**4.6b**	**328**	**5-165**
SZGRF	IX	13 19 18 29.8	21.08S	177.07W	33	4.6b		¶11277513
MOS	IX	13 19 19 10.6–2.4	19.66S	177.98W	332	4.8b		
NEIC	IX	13 19 19 13.2–.15	20.24S	177.78W	382	4.7b		
ISCJB	IX	13 19 19 13.4–.86	20.30S–.04	177.86W–.04	391–9	4.6b		
IDC	IX	13 19 19 14.3–.83	20.29S	177.83W	391–8	4.4,4.4		
DJA	IX	13 19 19 25	20.52S	178.28W	493	5.1b,4.4		

ISC Event type se.
SZGRF Fiji Islands region.
MOS Error ellipse: s-maj=9.7km s-min=7.7km az=131.7.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.0km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.7km az=144.0.
IDC Error ellipse: s-maj=13.3km s-min=8.5km az=126.0.

(181) Fiji Islands region

ISC	**IX**	**15 02 31 36.8–.64**	**20.10S–.05**	**177.79W–.04**	**503–7**	**4.5b**	**412**	**5-173**
SZGRF	IX	15 02 30 39.7	21.10S	176.48W	33	4.5b		¶12922604
BGS	IX	15 02 31 33.1–5.1	20.07S	177.69W	476–0	4.5b		
NEIC	IX	15 02 31 33.9–.15	20.07S	177.69W	476	4.5b		
BJI	IX	15 02 31 34.8	20.10S	177.70W	499	4.7b,4.6b		
IDC	IX	15 02 31 34.9–.68	20.02S	177.73W	485–6	4.2,4.2		
MOS	IX	15 02 31 35.1–1.5	19.90S	177.71W	490	4.6b,4.2		
ISCJB	IX	15 02 31 36.3–.65	20.13S–.05	177.83W–.04	510–7	4.5b,4.2		
DJA	IX	15 02 31 43	20.39S	178.31W	550	5.0b,4.2		

ISC Event type se.
SZGRF Fiji Islands region.
BGS Error ellipse: s-maj=382.1km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=138.0.
IDC Error ellipse: s-maj=12.0km s-min=9.2km az=143.0.
MOS Error ellipse: s-maj=12.1km s-min=10.2km az=59.9.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.8km az=145.9.

(663) Sea of Okhotsk

ISC	**IX**	**18 09 30 00.6–.07**	**46.09N–.01**	**143.49E–.02**	**334**	**5.1b**	**1447**	**1-155**
NIED	IX	18 09 29 00	45.90N	143.60E	360	5.4W		¶13394587
DJA	IX	18 09 29 45	46.51N	144.56E	200	5.2b		
BJI	IX	18 09 29 58.4	46.21N	143.59E	330	5.3b,4.8b		
MOS	IX	18 09 29 58.6–.94	46.13N	143.55E	328	5.1b,4.0s		
JMA	IX	18 09 29 58.6–.30	45.94N	143.64E	348–2	5.4,4.0s		
SKHL	IX	18 09 29 59.4–.60	46.00N	143.60E	325–6	6.3,6.0		
ISCJB	IX	18 09 29 59.2–.07	46.11N–.01	143.51E–.02	332	5.1b,6.0		
SZGRF	IX	18 09 30 00.4	46.65N	145.18E	340	5.2b,6.0		
IDC	IX	18 09 30 00.1–.34	46.19N	143.60E	332–3	4.9,4.9		
NEIC	IX	18 09 30 00.3–.09	46.16N	143.56E	332	5.2b,4.9		
GCMT	IX	18 09 30 03.2–.30	46.18N	143.49E	344–1	5.4W,4.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s83.00000°,δ77.00000°,λ164.00000°. NP2:ϕ_s177.00000°,δ75.00000°,λ13.00000°. $M_0$1.43000×10^{17}
MOS Error ellipse: s-maj=5.8km s-min=3.5km az=100.9.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=150.3.
SZGRF Sea of Okhotsk.
IDC Error ellipse: s-maj=6.7km s-min=5.6km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=160.0. Recorded [2 JMA] in southwestern Hokkaido, Japan. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c109; Moment tensor: Scale 10^{17}Nm; M_{rr}0.05±.03 $M_{\theta\theta}$0.32±.04; $M_{\phi\phi}$-0.37±.05; $M_{r\theta}$0.31±.04; $M_{\theta\phi}$-1.29±.04; $M_{\phi r}$-0.20±.04; Best double couple: NP1:ϕ_s174.00000°,δ78.00000°,λ10.00000°. NP2:ϕ_s82.00000°,δ80.00000°,λ168.00000°. Principal axes: T 1.4100,Plg15.0000° ,Azm37.0000°; N -0.0500,Plg75.0000°,Azm223.0000°; P -1.3600,Plg1.0000°,Azm128.0000° $M_0$1.40000×10^{17}

(211) Southeast of Honshu

ISC	**IX**	**18 13 29 30.0–.18**	**34.98N–.03**	**136.77E–.03**	**328–1**	**4.5b**	**316**	**0-158**
SZGRF	IX	18 13 28 45.3	33.50N	140.02E	33	5.0b		**¶13394605**
NIED	IX	18 13 29 00	35.00N	136.80E	340	4.7W		
BJI	IX	18 13 29 27.8	34.98N	136.78E	330	4.8b,4.7b		
MOS	IX	18 13 29 28.5–.99	34.99N	136.70E	323	4.6b,4.7b		
ISCJB	IX	18 13 29 29.1–.18	34.95N–.03	136.77E–.03	334–1	4.5b,4.7b		
NEIC	IX	18 13 29 29.5–.40	34.92N	136.73E	324–3	4.7b,4.7W		
JMA	IX	18 13 29 29.7–.20	35.01N	136.77E	334–2	4.1,4.7W		
IDC	IX	18 13 29 30.0–.53	34.90N	136.69E	326–5	4.1b,4.1		
DJA	IX	18 13 29 32	35.06N	136.84E	357	4.7b,4.1		

ISC Event type fe.
SZGRF Southeast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ85.00000°,λ-154.00000°. NP2:ϕ_s319.00000°,δ64.00000°,λ-6.00000°. $M_0$1.26000×10^{16}
MOS Error ellipse: s-maj=9.6km s-min=5.2km az=114.5.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=140.5.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.7km az=84.0. Moment Tensor Solution. $M_0$1.30000×10^{16}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s313.00000°,δ58.00000°,λ-5.00000°. NP2: ϕ_s46.00000°,δ86.00000°,λ-148.00000°. Principal axes: T Plg19.0000°,Azm175.0000° ; N Plg58.0000°,Azm52.0000°; P Plg25.0000°,Azm274.0000°
IDC Error ellipse: s-maj=10.8km s-min=6.0km az=72.0.

(177) Kermadec Islands region

ISC	**IX**	**21 18 50 18.1–.41**	**31.70S–.03**	**179.92E–.03**	**347–4**	**5.1b**	**520**	**6-176**
NOU	IX	21 18 49 22.9–.47	39.03S	175.55E	30–0	5.1b		**¶11282370**
ISCJB	IX	21 18 50 16.8–.43	31.56S–.03	179.88E–.03	344–4	5.1b		
MOS	IX	21 18 50 16.4–.88	31.26S	179.98W	334	5.4b		
BJI	IX	21 18 50 17.3	31.40S	180.00E	348	5.0b,4.9b		
IDC	IX	21 18 50 18.9–1.1	31.24S	179.91W	350–10	4.8,4.8		
GCMT	IX	21 18 50 20.4–.30	31.35S	179.92W	351–1	5.3W,4.8		
NEIC	IX	21 18 50 21.4–.80	31.38S	179.97E	378–7	5.2b,4.8		
DJA	IX	21 18 50 36	31.73S	178.97E	516	5.0b,4.8		

ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.6km az=142.1.
MOS Error ellipse: s-maj=11.4km s-min=8.8km az=74.1.
IDC Error ellipse: s-maj=9.3km s-min=7.9km az=162.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c114; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s174.00000°,δ27.00000°,λ-152.00000°. NP2:ϕ_s59.00000° ,δ78.00000°,λ-66.00000°. Principal axes: T 1.1400,Plg29.0000°,Azm130.0000° ; N 0.0500,Plg23.0000°,Azm234.0000°; P -1.1900,Plg51.0000°,Azm356.0000° $M_0$1.20000×10^{17}
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=145.0.

(171) South of Fiji Islands

ISC	**IX**	**22 20 21 00.4–.72**	**23.64S–.04**	**179.87W–.07**	**546–8**	**5.0b**	**171**	**6-169**
SZGRF	IX	22 20 20 53.9	23.73S	178.72W	33	5.0b		**¶13394979**
BJI	IX	22 20 20 59.4	23.20S	179.49W	545	5.0b,4.8b		
ISCJB	IX	22 20 21 00.5–.75	23.50S–.04	179.99W–.07	554–9	5.0b,4.8b		
NEIC	IX	22 20 21 00.3–.25	23.43S	179.74W	545	5.3b,4.8b		
DJA	IX	22 20 21 00	23.56S	179.44W	580	5.1b,4.8b		
IDC	IX	22 20 21 01.6–.55	23.41S	179.91W	551–6	4.3,4.3		
GCMT	IX	22 20 21 03.2–.60	23.41S	179.93W	546–4	5.2W,4.3		
BGS	IX	22 20 21 03.2–3.8	23.43S	179.43W	545–0	5.3b,4.3		
MOS	IX	22 20 21 06.0–1.2	23.27S	179.44E	563	5.1b,4.3		

ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.5km az=172.6.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.4km az=106.0.
IDC Error ellipse: s-maj=10.9km s-min=8.9km az=155.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s45,c50; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.30±.36 $M_{\theta\theta}$3.29±.65; $M_{\phi\phi}$2.01±.66; $M_{r\theta}$4.53±.70; $M_{\theta\phi}$-2.09±.51; $M_{\phi r}$-1.03±.74; Best double couple: NP1:ϕ_s137.00000°,δ26.00000°,λ-67.00000°. NP2: ϕ_s292.00000°,δ66.00000°,λ-101.00000°. Principal axes: T 6.4600,Plg21.0000°,Azm30.0000° ; N 0.7900,Plg10.0000°,Azm296.0000°; P -7.2500,Plg67.0000°,Azm182.0000° $M_0$6.90000×10^{16}
BGS Error ellipse: s-maj=293.7km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=17.7km s-min=11.9km az=41.2.

(181) Fiji Islands region

ISC	**IX**	**26 05 48 52.2–.12**	**17.70S–.04**	**178.23W–.03**	**568**	**4.9b**	**451**	**4-175**
BJI	IX	26 05 48 49.3	17.46S	177.77W	558	4.9b,4.8b		**¶11310445**
ISCJB	IX	26 05 48 50.8–.12	17.74S–.04	178.25W–.03	566	4.9b,4.8b		
NEIC	IX	26 05 48 51.9–.12	17.66S	178.20W	571	4.8b,4.8b		
BGS	IX	26 05 48 51.1–7.9	17.66S	178.20W	571–0	4.8b,4.8b		
IDC	IX	26 05 48 52.2–.45	17.72S	178.22W	572–5	4.5,4.5		
SZGRF	IX	26 05 48 53.2	18.46S	178.51W	596	4.5,4.5		
DJA	IX	26 05 48 53	17.82S	178.20W	590	5.4b,4.5		
GCMT	IX	26 05 48 57.1–.60	17.58S	178.21W	596–3	5.3W,4.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.7km az=154.6.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=144.0.
BGS Error ellipse: s-maj=770.4km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=7.3km az=144.0.
SZGRF Fiji Islands region.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s49,c68; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s263.00000°,δ45.00000°,λ-13.00000°. NP2:ϕ_s2.00000°,δ81.00000°,λ-135.00000°. Principal axes: T 1.2800,Plg23.0000°,Azm125.0000°; N -0.5000,Plg44.0000°,Azm11.0000° ; P -0.7900,Plg38.0000°,Azm233.0000° $M_0$1.00000×10^{17}

(280) Banda Sea

ISC	**IX**	**29 16 56 08.2–.34**	**4.63S–.04**	**125.53E–.05**	**448–4**	**4.4b**	**87**	**2-155**
BJI	IX	29 16 56 04.6	4.84S	125.71E	455	5.1b,4.4b		**¶11911364**
ISCJB	IX	29 16 56 07.4–.33	4.60S–.04	125.50E–.04	454–3	4.4b,4.4b		
IDC	IX	29 16 56 07.7–1.2	4.62S	125.52E	440–12	3.8b,3.8		
NEIC	IX	29 16 56 08.9–.67	4.64S	125.49E	459–9	4.6b,3.8		
DJA	IX	29 16 56 10	4.82S	125.51E	400	4.8b,3.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.3km az=150.6.
IDC Error ellipse: s-maj=18.6km s-min=8.2km az=73.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.7km az=53.0.

(181) Fiji Islands region

ISC	**X**	**01 06 19 46.5–.68**	**17.66S–.05**	**178.75W–.03**	**545–8**	**4.7b**	**743**	**3-175**
SZGRF	X	01 06 18 46.8	18.22S	177.29W	33	4.7b		**¶11653183**
BJI	X	01 06 19 41.5	18.29S	177.70W	567	4.8b,4.8b		
MOS	X	01 06 19 45.3–1.2	17.52S	178.72W	536	4.9b,4.8b		
IDC	X	01 06 19 47.1–.61	17.80S	178.69W	559–7	4.3b,4.3		
NEIC	X	01 06 19 47.6–.47	17.75S	178.70W	567–5	4.7b,4.3		
ISCJB	X	01 06 19 47.1–.78	17.65S–.05	178.81W–.03	566–9	4.7b,4.3		
BGS	X	01 06 19 47.5–6.7	17.75S	178.70W	567–0	4.7b,4.3		
DJA	X	01 06 19 52	17.93S	178.97W	609	5.1b,4.3		

ISC Event type se.
SZGRF Fiji Islands region.
MOS Error ellipse: s-maj=9.8km s-min=7.3km az=49.6.
IDC Error ellipse: s-maj=11.3km s-min=7.2km az=148.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.9km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.4km az=160.6.
BGS Error ellipse: s-maj=476.2km s-min=999.9km az=-1.0.

(211) Southeast of Honshu

ISC	**X**	**01 09 38 11.7–.07**	**30.16N–.01**	**138.80E–.01**	**404**	**5.2b**	**1691**	**3-165**
SZGRF	X	01 09 37 25.2	30.35N	138.94E	33	5.7b		**¶13395598**
NIED	X	01 09 38 00	30.10N	139.30E	400	5.7W		
JMA	X	01 09 38 09.5–.20	30.13N	139.30E	415–3	5.6		
DJA	X	01 09 38 10	30.08N	138.67E	392	5.5W		
MOS	X	01 09 38 10.5–.88	30.17N	138.81E	406	5.4b,4.7s		
ISCJB	X	01 09 38 10.4–.07	30.16N–.01	138.76E–.01	402	5.2b,4.7s		
BJI	X	01 09 38 10.0	30.10N	138.74E	399	5.6b,5.3b		
IDC	X	01 09 38 11.2–.41	30.13N	138.83E	403–4	5.0,5.0		
NEIC	X	01 09 38 12.3–.37	30.17N	138.78E	414–4	5.7W,5.7W		
GCMT	X	01 09 38 13.8–.10	30.21N	138.88E	394–0	5.7W,5.7W		
BGS	X	01 09 38 17.6–1.8	31.04N	137.69E	414–0	5.0b,5.7W		

ISC Event type fe.
SZGRF Southeast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ65.00000°,λ-59.00000°. NP2:ϕ_s84.00000°,δ40.00000°,λ-138.00000°. $M_0$3.79000×10^{17}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=109.9.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=148.1.
IDC Error ellipse: s-maj=7.1km s-min=5.2km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.4km az=154.0. Recorded [1 JMA] in Chiba, Fukushima, Tochigi and Tokyo, Honshu. Also recorded [1 JMA] in the Chichijima-retto. Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.23 $M_{\theta\theta}$2.21 $M_{\phi\phi}$0.02 $M_{r\theta}$0.32 $M_{\theta\phi}$-1.23 $M_{\phi r}$-3.55 Best double couple: NP1:ϕ_s93.00000° ,δ30.00000°,λ-148.00000°. NP2:ϕ_s335.00000°,δ74.00000°,λ-63.00000°. Principal axes: T 3.6300,Plg24.0000°,Azm44.0000°; N 1.2300,Plg25.0000°,Azm147.0000° ; P -4.8600,Plg52.0000°,Azm276.0000° $M_0$4.40000×10^{17} Moment Tensor Solution. $M_0$3.80000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s102,c212; s66,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.90±.05 $M_{\theta\theta}$3.00±.08; $M_{\phi\phi}$-0.10±.09; $M_{r\theta}$0.94±.07; $M_{\theta\phi}$-2.18±.08; $M_{\phi r}$-3.54±.07; Best double couple: NP1:ϕ_s89.00000°,δ35.00000°,λ-144.00000°. NP2:ϕ_s328.00000°,δ70.00000°,λ-60.00000°. Principal axes: T 5.0200,Plg20.0000° ,Azm36.0000°; N 0.3100,Plg28.0000°,Azm137.0000°; P -5.3300,Plg55.0000°,Azm276.0000° $M_0$5.20000×10^{17}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(259) Mindanao

ISC	**X**	**02 01 25 44.6–.20**	**8.47N–.02**	**124.70E–.03**	**390–2**	**4.6b**	**342**	**1-165**
BJI	X	02 01 25 41.4	8.30N	124.84E	388	4.7b,4.5b		**¶13395666**
ISCJB	X	02 01 25 43.6–.20	8.46N–.02	124.69E–.03	396–2	4.6b,4.5b		
MOS	X	02 01 25 44.9–.86	8.44N	124.62E	412	4.6b,4.5b		
NEIC	X	02 01 25 44.5–.43	8.44N	124.66E	393–4	4.7b,4.5b		
IDC	X	02 01 25 44.7–.75	8.38N	124.62E	396–7	4.2,4.2		
TEH	X	02 01 25 44.0	8.50N	124.66E	383	4.2,4.2		
DJA	X	02 01 25 44	8.57N	124.71E	391	4.9b,4.2		
MAN	X	02 01 25 45	8.46N	124.64E	376	5.1b,4.2s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.5km az=166.3.
MOS Error ellipse: s-maj=10.8km s-min=5.5km az=116.4.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=65.0.
IDC Error ellipse: s-maj=12.0km s-min=6.6km az=73.0.

(280) Banda Sea

ISC	**X**	**07 14 18 23.9–.34**	**5.59S–.03**	**128.68E–.03**	**338–4**	**4.5b**	**189**	**2-153**
BJI	X	07 14 18 21.8	5.55S	128.90E	340	4.5b,4.3b		**¶11331896**
ISCJB	X	07 14 18 22.9–.34	5.59S–.03	128.69E–.03	345–4	4.5b,4.3b		
NEIC	X	07 14 18 23.9–.95	5.55S	128.65E	337–10	4.5b,4.3b		
IDC	X	07 14 18 23.6–1.1	5.56S	128.65E	331–10	4.4,4.4		
DJA	X	07 14 18 24.1–.20	6S–3.0	129E–2.0	339–4	5.5b,5.2		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

(275) Java Sea

ISC	**X**	**11 19 57 29.5–.14**	**5.69S–.03**	**110.09E–.02**	**543–1**	**4.9b**	**462**	**1-158**
NEIC	X	11 19 57 28.5–.17	5.61S	110.12E	533	4.9b		**¶11345030**
ISCJB	X	11 19 57 28.8–.15	5.70S–.03	110.07E–.02	549–2	4.9b		
MOS	X	11 19 57 29.5–.90	5.49S	110.23E	557	5.0b		
DJA	X	11 19 57 29.4–.10	6S–3.0	110E–2.0	546–3	5.4b,5.3		
IDC	X	11 19 57 29.3–.54	5.55S	110.15E	535–5	4.2b,4.2		
GCMT	X	11 19 57 32.3–.50	5.51S	110.32E	550–3	5.2W,4.2		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.9km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=25.2.
MOS Error ellipse: s-maj=11.3km s-min=5.9km az=118.8.
IDC Error ellipse: s-maj=10.0km s-min=6.3km az=66.0.
GCMT Event type se. Data Used: IU IC II G. Moment Tensor Solution. s42,c50; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.79±.44 $M_{\theta\theta}$1.40±.60; $M_{\phi\phi}$4.39±.80; $M_{r\theta}$-3.21±.83; $M_{\theta\phi}$-5.29±.66; $M_{\phi r}$1.34±.71; Best double couple: NP1:ϕ_s345.00000°,δ38.00000°,λ-56.00000°. NP2: ϕ_s124.00000°,δ60.00000°,λ-114.00000°. Principal axes: T 9.0100,Plg12.0000° ,Azm231.0000°; N -1.9500,Plg20.0000°,Azm137.0000°; P -7.0600,Plg66.0000° ,Azm349.0000° $M_0$8.00000×10^{16}

(181) Fiji Islands region

ISC	**X**	**12 00 39 53.0–.79**	**20.18S–.06**	**178.31W–.04**	**572–10**	**4.7b**	**304**	**9-173**
BJI	X	12 00 39 50.0	19.69S	177.98W	549	4.8b,4.7b		**¶11346044**
ISCJB	X	12 00 39 52.1–.85	20.18S–.06	178.35W–.04	574–11	4.7b,4.7b		
IDC	X	12 00 39 53.5–.61	20.13S	178.28W	583–6	4.2,4.1		
NEIC	X	12 00 39 53.2–.76	20.17S	178.26W	580–9	4.7b,4.1		
BGS	X	12 00 39 54.0–5.0	20.17S	178.17W	580–0	4.7b,4.1		
DJA	X	12 00 39 56	20.51S	178.77W	577	5.1b,4.1		
SZGRF	X	12 00 39 56.5	20.06S	177.75W	612	5.1b,4.1		
GCMT	X	12 00 39 57.4–.50	20.13S	178.13W	596–3	5.3W,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.8km az=162.9.
IDC Error ellipse: s-maj=11.8km s-min=9.5km az=126.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.7km az=143.0.
BGS Error ellipse: s-maj=330.4km s-min=999.9km az=-1.0.
SZGRF Fiji Islands region.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s44,c54; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s341.00000°,δ23.00000°,λ4.00000°. NP2:ϕ_s247.00000°,δ88.00000°,λ113.00000°. Principal axes: T 1.0600,Plg42.0000°,Azm179.0000°; N 0.2700,Plg23.0000°,Azm66.0000° ; P -1.3300,Plg39.0000°,Azm316.0000° $M_0$1.20000×10^{17}

(125) Southern Bolivia

ISC	**X**	**12 20 55 41.9–.12**	**20.18S–.03**	**64.98W–.02**	**358**	**6.0b**	**1178**	**4-175**
GUC	X	12 20 55 39.0–.76	20.47S	66.14W	394–10	5.8b		**¶11346104**
LDG	X	12 20 55 39.8–.28	19.94S	65.26W	345–0	5.9b,5.0s		
MOS	X	12 20 55 39.7–.76	20.13S	65.07W	348	6.2b,5.0s		
ISCJB	X	12 20 55 40.5–.12	20.15S–.02	65.03W–.02	356	6.0b,5.0s		
BJI	X	12 20 55 40.9	19.25S	64.37W	346	5.8b,5.0s		
IDC	X	12 20 55 40.5–.50	20.28S	65.14W	343–4	5.7,5.7		
NEIC	X	12 20 55 41.5–.11	20.12S	64.97W	353	6.2W,6.1W		
DJA	X	12 20 55 41	19.96S	64.02W	300	6.1W,6.1W		
IGIL	X	12 20 55 43.5	20.02S	64.94W	356	5.4s,5.4b		
GCMT	X	12 20 55 44.6–.10	20.30S	65.23W	362–0	6.2W,5.4b		
SZGRF	X	12 20 55 47.2	19.05S	64.85W	362	6.2W,5.4b		
BGS	X	12 20 55 52.3–1.3	18.80S	63.78W	350–0	5.6b,5.4b		

ISC Event type fe.
GUC Error ellipse: s-maj=4.9km s-min=9.8km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=29.6km s-min=12.4km az=103.0.
MOS Error ellipse: s-maj=6.7km s-min=4.5km az=72.2.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=32.4.
IDC Error ellipse: s-maj=8.4km s-min=6.6km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=204.0. Felt at La Paz. Felt [III] at Alto Hospicio and Pozo Almonte; [II] at Arica, Camina, Codpa, Cuya, Huara, Iquique and Putre, Chile. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s175.00000°,δ83.00000°,λ90.00000°. NP2:ϕ_s355.00000°,δ7.00000°,λ90.00000°. Principal axes: T Plg52.0000°,Azm85.0000°; N Plg0.0000°,Azm0.0000°; P Plg38.0000°

,Azm265.0000° Moment Tensor Solution. s112 Moment tensor: Scale 10^{18}Nm; M_{rr}0.04 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$0.33 $M_{r\theta}$0.44 $M_{\theta\phi}$0.43 $M_{\phi r}$-2.26 Best double couple: NP1:ϕ_s256.00000° ,δ13.00000°,λ-2.00000°. NP2:ϕ_s348.00000°,δ90.00000°,λ-103.00000°. Principal axes: T 2.4500,Plg43.0000°,Azm90.0000°; N -0.1800,Plg13.0000°,Azm347.0000° ; P -2.2800,Plg43.0000°,Azm244.0000° M_o2.40000×10^{18}

GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s117,c267; s92,c142; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.02±.01 $M_{\theta\theta}$-0.33±.02; $M_{\phi\phi}$0.35±.02; $M_{r\theta}$0.39±.02; $M_{\theta\phi}$0.62±.02; $M_{\phi r}$-2.13±.02; Best double couple: NP1:ϕ_s257.00000°,δ18.00000°,λ-2.00000°. NP2:ϕ_s349.00000°,δ89.00000°,λ-108.00000°. Principal axes: T 2.3200,Plg42.0000° ,Azm96.0000°; N -0.0900,Plg18.0000°,Azm349.0000°; P -2.2300,Plg43.0000° ,Azm242.0000° M_o2.30000×10^{18}

SZGRF Southern Bolivia.

BGS Error ellipse: s-maj=482.1km s-min=230.5km az=-1.0.

(262) Celebes Sea

ISC	**X**	**14 01 04 26.1–.18**	**5.49N–.02**	**124.10E–.03**	**499–2**	**5.2b**	**506**	**2-164**
BJI	X	14 01 04 18.9	4.96N	124.38E	478	5.1b,4.8b		**¶13396977**
MAN	X	14 01 04 23	5.33N	123.75E	498	5.7b,5.2s		
TEH	X	14 01 04 24.0	5.54N	124.19E	481	5.7b,5.2s		
NEIC	X	14 01 04 26.0–.39	5.50N	124.11E	500–5	5.3b,5.2s		
ISCJB	X	14 01 04 25.2–.19	5.49N–.02	124.10E–.03	502–2	5.2b,5.2s		
DJA	X	14 01 04 25	5.56N	124.09E	505	5.3W,5.2s		
IDC	X	14 01 04 25.7–.50	5.44N	124.08E	498–5	4.5,4.4b		
MOS	X	14 01 04 26.1–.89	5.54N	124.12E	515	5.2b,4.4b		

ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.5km az=59.0.

ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=172.7.

IDC Error ellipse: s-maj=11.2km s-min=6.3km az=70.0.

MOS Error ellipse: s-maj=11.7km s-min=5.3km az=123.1.

(181) Fiji Islands region

ISC	**X**	**14 16 52 53.2–.73**	**21.62S–.03**	**178.16W–.03**	**407–7**	**5.1b**	**776**	**5-176**
ISCJB	X	14 16 52 50.4–1.0	21.53S–.03	178.22W–.03	389–10	5.1b		**¶11348189**
BJI	X	14 16 52 51.8	21.08S	177.78W	400	5.1b,5.1b		
SZGRF	X	14 16 52 51.7	22.23S	177.53W	414	5.1b,5.1b		
DJA	X	14 16 52 52	21.64S	178.00W	421	5.3b,5.1b		
BGS	X	14 16 52 53.3–4.6	21.56S	178.13W	410–0	5.0b,5.1b		
IDC	X	14 16 52 53.8–.52	21.59S	178.05W	416–5	4.6b,4.6		
NEIC	X	14 16 52 53.0–.13	21.56S	178.13W	410	5.0b,4.6		
MOS	X	14 16 52 54.8–.95	21.41S	178.25W	428	5.1b,4.6		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=156.4.

SZGRF South of Fiji Islands.

BGS Error ellipse: s-maj=316.3km s-min=999.9km az=-1.0.

IDC Error ellipse: s-maj=10.1km s-min=9.0km az=133.0.

NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=148.0.

MOS Error ellipse: s-maj=9.8km s-min=8.7km az=71.7.

(220) Northwest of Kuril Islands

ISC	**X**	**18 08 09 49.5–.20**	**47.34N–.03**	**145.81E–.04**	**408–2**	**4.4b**	**469**	**2-153**
SZGRF	X	18 08 09 09.3	47.51N	147.01E	33	5.0b		**¶13397396**
SKHL	X	18 08 09 48.7–1.6	47.10N	145.60E	426–30	5.3,5.2		
MOS	X	18 08 09 48.4–.90	47.41N	145.73E	407	4.4b,5.2		
BJI	X	18 08 09 48.6	47.40N	145.66E	406	4.9b,4.5b		
ISCJB	X	18 08 09 48.9–.21	47.30N–.03	145.81E–.04	417–2	4.4b,4.5b		
IDC	X	18 08 09 49.9–1.1	47.44N	145.75E	410–11	3.9,3.9		
JMA	X	18 08 09 49.3–.30	46.92N	145.89E	450	4.3,3.9		
NEIC	X	18 08 09 50.2–.32	47.41N	145.75E	414–4	4.4b,3.9		

ISC Event type se.

SZGRF Northwest of Kuril Islands, Russia.

MOS Error ellipse: s-maj=8.9km s-min=4.9km az=107.4.

ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.9km az=39.6.

IDC Error ellipse: s-maj=9.9km s-min=7.5km az=151.0.

JMA Error ellipse: s-maj=4.4km s-min=3.8km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=148.0.

(660) Sea of Japan

ISC	**X**	**22 16 18 35.4–.14**	**42.02N–.02**	**131.30E–.02**	**539–2**	**4.8b**	**1246**	**1-164**
SZGRF	X	22 16 17 28.5	40.39N	133.92E	33	5.3b		**¶13397804**
NIED	X	22 16 18 00	42.00N	131.80E	640	5.1W		
JMA	X	22 16 18 34.8–.20	41.95N	131.79E	615	5.0		
ISCJB	X	22 16 18 34.4–.16	42.02N–.02	131.25E–.02	539–2	4.8b		
MOS	X	22 16 18 35.3–.88	42.02N	131.37E	558	4.8b		
IDC	X	22 16 18 36.7–.78	41.94N	131.32E	565–9	4.4,4.4		
TEH	X	22 16 18 36.0	42.03N	131.32E	548	4.4,4.4		
NEIC	X	22 16 18 36.4–.27	41.99N	131.32E	559–3	5.0W,4.8b		
SKHL	X	22 16 18 36.0–.90	41.98N	131.45E	558–7	5.4s,5.1b		
BJI	X	22 16 18 37.2	41.89N	131.02E	536	5.3b,4.8b		

ISC Event type se.

SZGRF Sea of Japan.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ79.00000°,λ79.00000°. NP2:ϕ_s68.00000°,δ15.00000°,λ134.00000°. M_o4.32000×10^{16}

JMA Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0.

ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.1km az=170.7.

MOS Error ellipse: s-maj=7.0km s-min=4.1km az=116.7.

IDC Error ellipse: s-maj=7.7km s-min=6.9km az=16.0.

NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.8km az=168.0. Moment Tensor Solution. M_o4.30000×10^{16}

(171) South of Fiji Islands

ISC	**X**	**22 17 03 48.6–.52**	**24.71S–.02**	**178.96W–.02**	**377–5**	**5.2b**	**577**	**5-168**
ISCJB	X	22 17 03 47.1–.63	24.63S–.02	179.01W–.03	373–6	5.2b		**¶13397810**
MOS	X	22 17 03 47.5–1.0	24.50S	178.92W	374	4.9b		
NEIC	X	22 17 03 49.0–.15	24.66S	178.89W	385	5.0b		
BJI	X	22 17 03 48.6	24.02S	178.73W	380	5.1b,4.9b		
IDC	X	22 17 03 49.7–.57	24.45S	178.97W	383–5	4.8b,4.8		
DJA	X	22 17 03 50	24.57S	178.82W	419	5.5W,4.8		
BGS	X	22 17 03 52.4–2.9	24.66S	178.89W	385–0	5.0b,4.8		
GCMT	X	22 17 03 53.7–.40	24.38S	178.87W	382–2	5.4W,4.8		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=41.0.

MOS Error ellipse: s-maj=9.6km s-min=8.8km az=160.4.

NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=158.0.

IDC Error ellipse: s-maj=11.1km s-min=7.3km az=174.0.

BGS Error ellipse: s-maj=388.7km s-min=999.9km az=-1.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c83; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39±.06 $M_{\theta\theta}$0.24±.10; $M_{\phi\phi}$0.15±.09; $M_{r\theta}$-0.23±.08; $M_{\theta\phi}$0.27±.08; $M_{\phi r}$-1.63±.06; Best double couple: NP1:ϕ_s249.00000°,δ11.00000°,λ-31.00000°. NP2: ϕ_s10.00000°,δ84.00000°,λ-99.00000°. Principal axes: T 1.6200,Plg39.0000°,Azm109.0000° ; N 0.1500,Plg9.0000°,Azm11.0000°; P -1.7700,Plg50.0000°,Azm270.0000° M_o1.70000×10^{17}

(171) South of Fiji Islands

ISC	**X**	**28 15 56 07.4–.59**	**23.99S–.04**	**179.96W–.03**	**513–7**	**4.8b**	**585**	**6-169**
IDC	X	28 15 56 06.6–1.0	23.83S	179.88W	506–10	4.5,4.5		**¶13398385**
MOS	X	28 15 56 06.3–2.0	23.71S	179.93W	502	5.0b,4.5		
ISCJB	X	28 15 56 06.7–.64	23.95S–.04	179.99E–.03	515–7	4.8b,4.5		
BJI	X	28 15 56 06.9	23.59S	179.56W	524	5.0b,5.0b		
NEIC	X	28 15 56 07.7–.48	23.90S	179.93W	521–5	4.9b,5.0b		
BGS	X	28 15 56 11.4–3.1	23.90S	179.93W	521–0	4.9b,5.0b		

ISC Event type se.

IDC Error ellipse: s-maj=10.5km s-min=8.7km az=170.0.

MOS Error ellipse: s-maj=9.8km s-min=8.7km az=152.6.

ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=161.7.

NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=170.0.

BGS Error ellipse: s-maj=412.0km s-min=999.9km az=-1.0.

(259) Mindanao

ISC	**X**	**30 05 47 34.6–.22**	**6.76N–.03**	**123.77E–.04**	**586–3**	**4.4b**	**177**	**1-165**
BJI	X	30 05 47 23.9	5.73N	124.20E	568	4.7b,4.6b		**¶11379105**
DJA	X	30 05 47 32	7.06N	124.03E	602	4.9b,4.6b		
ISCJB	X	30 05 47 33.9–.22	6.76N–.03	123.77E–.04	594–3	4.4b,4.6b		
NEIC	X	30 05 47 34.3–.41	6.75N	123.74E	584–5	4.6b,4.6b		
IDC	X	30 05 47 34.5–.47	6.70N	123.74E	589–5	3.7,3.6b		
MAN	X	30 05 47 37	7.05N	123.80E	551	5.3b,4.6s		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=0.5.

NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.0km az=73.0.

IDC Error ellipse: s-maj=12.0km s-min=5.2km az=73.0.

(212) Bonin Islands region

ISC	**X**	**31 06 58 04.7–.26**	**28.34N–.03**	**138.54E–.02**	**528–2**	**4.4b**	**625**	**3-153**
BJI	X	31 06 58 00.6	28.18N	138.87E	528	5.2b,4.7b		**¶11380394**
NIED	X	31 06 58 00	28.30N	138.90E	540	4.9W,4.7b		
JMA	X	31 06 58 01.5–.10	28.29N	138.94E	566	5.2,4.7b		
ISCJB	X	31 06 58 03.6–.25	28.34N–.03	138.53E–.02	526–2	4.4b,4.7b		
MOS	X	31 06 58 03.8–1.0	28.36N	138.56E	539	4.5b,4.7b		
NEIC	X	31 06 58 04.2–.41	28.34N	138.56E	527–5	4.9W,4.5b		
IDC	X	31 06 58 04.4–.62	28.37N	138.50E	535–7	4.0,4.0		
DJA	X	31 06 58 06	28.30N	138.48E	553	4.7b,4.0		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s312.00000°,δ82.00000°,λ-24.00000°. NP2:ϕ_s45.00000°,δ66.00000°,λ-171.00000°. M_o2.98000×10^{16}

JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.

ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=158.2.

MOS Error ellipse: s-maj=8.9km s-min=5.6km az=101.6.

NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=132.0. Moment Tensor Solution. M_o3.00000×10^{16}

IDC Error ellipse: s-maj=8.4km s-min=6.1km az=90.0.

(262) Celebes Sea

ISC	**XI**	**02 21 59 16.2–.21**	**2.93N–.03**	**121.80E–.04**	**601–3**	**4.6b**	**191**	**2-118**
ISCJB	XI	02 21 59 15.4–.22	2.92N–.04	121.80E–.04	613–3	4.6b		**¶12072036**
MOS	XI	02 21 59 15.7–.76	2.94N	121.83E	622	4.4b		
IDC	XI	02 21 59 16.5–.77	2.91N	121.79E	607–9	3.7,3.7		
NEIC	XI	02 21 59 16.3–.42	2.90N	121.76E	607–6	5.0b,3.7		
DJA	XI	02 21 59 16	3.06N	121.83E	588	4.4b,3.7		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.3km az=138.7.

MOS Error ellipse: s-maj=19.5km s-min=8.2km az=124.0.

IDC Error ellipse: s-maj=14.3km s-min=6.6km az=64.0.

NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.3km az=57.0.

(181) Fiji Islands region

ISC	**XI**	**03 19 36 21.9–.11**	**16.36S–.03**	**176.36W–.03**	**372**	**5.1b**	**685**	**6-176**
SZGRF	XI	03 19 35 38.3	16.07S	175.04W	33	5.1b		**¶11391131**
BGS	XI	03 19 36 14.5–4.8	16.30S	176.33W	371–0	5.1b		
ISCJB	XI	03 19 36 20.4–.12	16.36S–.03	176.38W–.03	370	5.1b		
DJA	XI	03 19 36 20	16.26S	176.28W	353	5.2b		
BJI	XI	03 19 36 20.6	15.86S	175.87W	374	5.6b,5.4b		
NEIC	XI	03 19 36 21.4–.12	16.30S	176.33W	370	5.1b,5.4b		
MOS	XI	03 19 36 22.9–1.3	16.09S	176.44W	383	5.2b,5.4b		
IDC	XI	03 19 36 22.2–.66	16.27S	176.44W	373–6	4.8,4.8		
GCMT	XI	03 19 36 26.6–.40	15.98S	176.25W	390	5.6W,4.8		

ISC Event type se.

SZGRF Tonga Islands.

BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.6km az=153.0.

NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=153.0.

MOS Error ellipse: s-maj=8.7km s-min=8.0km az=59.7.

IDC Error ellipse: s-maj=12.1km s-min=8.0km az=145.0.

GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s42,c56; Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.10 $M_{\theta\theta}$-0.69±.19; $M_{\phi\phi}$-0.55±.16; $M_{r\theta}$0.81±.13; $M_{\theta\phi}$2.58±.13; $M_{\phi r}$0.01±.15; Best double couple: NP1:ϕ_s356.00000°,δ64.00000°,λ163.00000°. NP2: ϕ_s94.00000°,δ75.00000°,λ27.00000°. Principal axes: T 2.2900,Plg30.0000°,Azm318.0000° ; N 0.9900,Plg59.0000°,Azm121.0000°; P -3.2800,Plg7.0000°,Azm223.0000° M_o2.80000×10^{17}

(177) Kermadec Islands region

ISC	**XI**	**05 01 09 24.6–.43**	**31.36S–.04**	**179.52E–.06**	**452–5**	**4.6b**	**138**	**3-171**
ISCJB	XI	05 01 09 23.5–.45	31.38S–.04	179.49E–.06	452–5	4.6b		**¶13399268**
BJI	XI	05 01 09 23.6	31.21S	179.63E	455	5.2b,5.0b		
NEIC	XI	05 01 09 24.4–.45	31.23S	179.50E	452–5	4.7b,5.0b		
IDC	XI	05 01 09 26.4–.54	31.18S	179.38E	464–5	4.2,4.2		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.2km az=22.5.

NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.0km az=146.0.

IDC Error ellipse: s-maj=13.3km s-min=10.7km az=173.0.

(171) South of Fiji Islands

ISC	**XI**	**07 08 43 18.0–.70**	**24.15S–.04**	**178.65E–.03**	**548–8**	**4.9b**	**644**	**6-169**
IDC	XI	07 08 43 15.7–.69	24.11S	178.84E	527–6	4.4,4.4		**¶13399484**
NEIC	XI	07 08 43 15.8–.12	24.09S	178.72E	527	4.9b,4.4		
MOS	XI	07 08 43 16.5–.86	24.03S	178.68E	539	5.1b,4.4		
BJI	XI	07 08 43 17.7	24.10S	178.70E	547	4.9b,4.6b		
ISCJB	XI	07 08 43 17.7–.71	24.18S–.04	178.59E–.03	557–9	4.9b,4.6b		
DJA	XI	07 08 43 17	24.17S	178.73E	557	5.2b,4.6b		
BGS	XI	07 08 43 18.8–3.5	24.09S	178.72E	527–0	4.9b,4.6b		
SZGRF	XI	07 08 43 19.4	24.11S	179.59E	571	4.9b,4.6b		

ISC Event type se.

IDC Error ellipse: s-maj=10.1km s-min=8.9km az=105.0.

NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.7km az=144.0.

MOS Error ellipse: s-maj=12.2km s-min=9.4km az=49.8.

ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=168.4.

BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

SZGRF South of Fiji Islands.

(181) Fiji Islands region

ISC	**XI**	**07 17 23 53.3–.78**	**19.42S–.07**	**177.53W–.08**	**588–7**	**4.3b**	**80**	**5-174**
ISCJB	XI	07 17 23 52.9–.76	19.46S–.06	177.56W–.08	596–8	4.3b		**¶11396610**
NEIC	XI	07 17 23 53.6–1.2	19.26S	177.58W	591–12	4.4b		
BJI	XI	07 17 23 54.8	18.89S	177.77W	600	5.1b,4.5b		
IDC	XI	07 17 23 54.7–1.9	19.45S	177.57W	604–21	3.9,3.8		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.8km az=30.9.

NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.4km az=139.0.

IDC Error ellipse: s-maj=15.3km s-min=10.1km az=146.0.

(220) Northwest of Kuril Islands

ISC	**XI**	**09 10 50 51.3–.28**	**46.81N–.04**	**146.98E–.04**	**324–4**	**4.0b**	**357**	**3-152**
NIED	XI	09 10 50 00	46.30N	147.50E	400	4.3W		**¶13399649**
MOS	XI	09 10 50 49.6–1.1	46.92N	146.98E	320	4.0b		
BJI	XI	09 10 50 49.6	47.00N	147.02E	324	4.6b,4.4b		
ISCJB	XI	09 10 50 50.4–.29	46.85N–.04	146.93E–.04	330–4	4.0b,4.4b		
JMA	XI	09 10 50 51.0–.60	46.32N	147.51E	352	4.1,4.4b		
SKHL	XI	09 10 50 50.6–.50	46.63N	146.96E	328–26	5.0b,5.0s		
IDC	XI	09 10 50 51.6–.91	46.90N	146.90E	331–9	3.8,3.7		
NEIC	XI	09 10 50 51.6–.51	46.87N	146.96E	327–6	4.2b,3.7		

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ82.00000°,λ84.00000°. NP2:ϕ_s17.00000°,δ10.00000°,λ127.00000°. M_o3.16000×10^{15}

MOS Error ellipse: s-maj=10.1km s-min=7.1km az=73.3.

ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.3km az=163.3.

JMA Error ellipse: s-maj=4.4km s-min=6.1km az=-1.0.

IDC Error ellipse: s-maj=11.6km s-min=7.8km az=145.0.

NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.3km az=158.0.

(181) Fiji Islands region

ISC	**XI**	**13 10 31 37.4–.78**	**21.91S–.04**	**178.15W–.03**	**395–8**	**4.9b**	**633**	**5-171**
ISCJB	XI	13 10 31 34.9–1.1	21.83S–.04	178.20W–.03	380–11	4.9b		**¶11451609**
MOS	XI	13 10 31 37.9–1.0	21.78S	178.22W	411	5.0b		
NEIC	XI	13 10 31 37.3–.19	21.80S	178.15W	393	5.0b		
IDC	XI	13 10 31 38.0–.46	21.76S	178.14W	403–4	4.5,4.5		
BGS	XI	13 10 31 38.0–4.6	21.80S	178.15W	393–0	5.0b,4.5		
BJI	XI	13 10 31 38.0	21.11S	178.58W	380	5.0b,4.7b		
GCMT	XI	13 10 31 39.8–.50	21.94S	177.86W	403–2	5.3W,4.7b		
DJA	XI	13 10 31 53	21.36S	176.65E	233	5.3b,4.7b		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=157.1.

MOS Error ellipse: s-maj=10.9km s-min=9.2km az=50.1.

NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.0km az=152.0.

IDC Error ellipse: s-maj=11.1km s-min=8.8km az=139.0.

BGS Error ellipse: s-maj=450.9km s-min=999.9km az=-1.0.

GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s57,c73; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.61±.37 $M_{\theta\theta}$1.40±.64; $M_{\phi\phi}$6.21±.64; $M_{r\theta}$-4.82±.69; $M_{\theta\phi}$3.73±.52; $M_{\phi r}$-3.22±.71; Best double couple: NP1:ϕ_s193.00000°,δ30.00000°,λ-118.00000°. NP2: ϕ_s44.00000°,δ63.00000°,λ-75.00000°. Principal axes: T 9.8200,Plg17.0000°,Azm123.0000° ; N 0.0300,Plg14.0000°,Azm217.0000°; P -9.8500,Plg68.0000°,Azm344.0000°

$M_0$9.80000×10^{16}

(280) Banda Sea

ISC	**XI**	**17 06 01 00.5–.27**	**5.73S–.02**	**128.83E–.02**	**325–2**	**5.3b**	**482**	**2-161**
MOS	XI	17 06 00 55.4–1.1	5.64S	128.76E	283	5.4b		**¶11456708**
BJI	XI	17 06 00 57.0	5.69S	129.01E	311	5.2b,4.9b		
NEIC	XI	17 06 00 58.9–.53	5.66S	128.80E	306–5	5.3b,4.9b		
ISCJB	XI	17 06 00 59.2–.25	5.72S–.02	128.83E–.02	327–2	5.3b,4.9b		
IDC	XI	17 06 01 00.4–.82	5.72S	128.80E	322–7	5.0b,5.0		
DJA	XI	17 06 01 00.1–.10	6S–2.0	129E–1.0	314–2	5.8b,5.8		
GCMT	XI	17 06 01 00.7–.30	5.65S	128.80E	315–1	5.6W,5.8		

ISC Event type fe.
MOS Error ellipse: s-maj=9.4km s-min=5.3km az=108.5.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.1km az=64.0. Felt at Darwin, Australia.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=3.1km az=144.4.
IDC Error ellipse: s-maj=9.9km s-min=5.4km az=76.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c109;
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.06 $M_{\theta\theta}$0.79±.10; $M_{\phi\phi}$0.23±.09; $M_{r\theta}$-1.55±.10; $M_{\theta\phi}$-0.24±.09; $M_{\phi r}$1.97±.08; Best double couple: NP1:ϕ_s283.00000°,δ12.00000°,λ-126.00000°. NP2:ϕ_s139.00000°,δ80.00000°,λ-83.00000°. Principal axes: T 2.5100,Plg35.0000° ,Azm223.0000°; N 0.3200,Plg7.0000°,Azm318.0000°; P -2.8300,Plg54.0000°,Azm58.0000°
$M_0$2.70000×10^{17}

(262) Celebes Sea

ISC	**XI**	**18 05 46 56.0–.20**	**4.80N–.02**	**124.93E–.03**	**320–2**	**4.6b**	**358**	**1-163**
BJI	XI	18 05 46 52.5	4.59N	125.06E	322	4.9b,4.7b		**¶11457632**
MAN	XI	18 05 46 54	4.61N	124.84E	314	5.5b,4.8s		
ISCJB	XI	18 05 46 55.0–.20	4.79N–.02	124.92E–.03	326–2	4.6b,4.8s		
MOS	XI	18 05 46 55.8–1.1	4.79N	124.75E	336	4.7b,4.8s		
NEIC	XI	18 05 46 55.9–.61	4.79N	124.80E	321–6	4.8b,4.8s		
IDC	XI	18 05 46 56.3–.84	4.75N	124.82E	327–7	4.4,4.4		
GCMT	XI	18 05 46 57.2–.40	4.79N	124.78E	333–2	5.3W,4.4		
DJA	XI	18 05 46 57.6–.30	5N–3.0	125E–3.0	293–3	5.7,5.5b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s44,c62; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s139.00000°,δ49.00000°,λ175.00000°. NP2:ϕ_s232.00000°,δ86.00000°,λ41.00000°. Principal axes: T 1.1500,Plg31.0000°,Azm104.0000°; N -0.1000,Plg49.0000°,Azm237.0000° ; P -1.0500,Plg25.0000°,Azm358.0000° $M_0$1.10000×10^{17}

(181) Fiji Islands region

ISC	**XI**	**19 03 36 14.9–.54**	**21.03S–.05**	**179.25W–.04**	**647–6**	**4.5b**	**374**	**4-175**
BGS	XI	19 03 35 55.8–2.3	23.85S	179.99W	503–0	4.0b		**¶11458358**
ISCJB	XI	19 03 36 13.8–.51	21.15S–.04	179.26W–.04	655–6	4.5b		
NEIC	XI	19 03 36 13.9–.64	20.93S	179.11W	645–7	4.5b		
IDC	XI	19 03 36 13.3–1.2	20.92S	179.09W	632–13	4.1,4.1		
MOS	XI	19 03 36 14.5–2.5	20.61S	179.40W	627	4.7b,4.1		
BJI	XI	19 03 36 14.0	20.51S	178.63W	660	4.8b,4.7b		
DJA	XI	19 03 36 17	21.14S	179.61W	650	5.0b,4.7b		

ISC Event type se.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.6km az=146.3.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.6km az=134.0.
IDC Error ellipse: s-maj=13.3km s-min=10.6km az=128.0.
MOS Error ellipse: s-maj=12.2km s-min=11.6km az=4.5.

(171) South of Fiji Islands

ISC	**XI**	**19 20 38 59.0–.09**	**22.36S–.03**	**179.65W–.02**	**598**	**5.2b**	**823**	**5-175**
SZGRF	XI	19 20 37 48.0	23.21S	178.09W	596	5.2b		**¶13400633**
DJA	XI	19 20 38 55	22.18S	179.62W	560	5.5b		
IDC	XI	19 20 38 57.0–.89	22.16S	179.62W	574–9	4.6b,4.6		
ISCJB	XI	19 20 38 57.6–.09	22.35S–.02	179.68W–.02	596	5.2b,4.6		
MOS	XI	19 20 38 57.6–1.2	22.13S	179.72W	588	5.1b,4.6		
NEIC	XI	19 20 38 58.8–.13	22.17S	179.72W	596	5.8W,5.7W		
BGS	XI	19 20 39 01.9–4.5	22.17S	179.72W	596–0	5.2b,5.7W		
BJI	XI	19 20 39 01.1	21.41S	179.89W	596	5.3b,5.1b		
GCMT	XI	19 20 39 01.9–.10	22.20S	179.30W	604–1	5.8W,5.1b		

ISC Event type se.
SZGRF South of Fiji Islands.
IDC Error ellipse: s-maj=9.1km s-min=8.4km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.2km az=144.9.
MOS Error ellipse: s-maj=9.6km s-min=8.0km az=56.4.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.7km az=152.0. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}2.43 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-2.06 $M_{r\theta}$-1.30 $M_{\theta\phi}$-1.22 $M_{\phi r}$-4.71 Best double couple: NP1:ϕ_s40.00000°,δ15.00000°,λ113.00000°. NP2:ϕ_s197.00000° ,δ76.00000°,λ84.00000°. Principal axes: T 5.4400,Plg58.0000°,Azm98.0000° ; N 0.1600,Plg5.0000°,Azm198.0000°; P -5.6000,Plg31.0000°,Azm291.0000°
$M_0$5.50000×10^{17}
BGS Error ellipse: s-maj=461.7km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s97,c200; s55,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}3.56±.06 $M_{\theta\theta}$-0.86±.10; $M_{\phi\phi}$-2.71±.11; $M_{r\theta}$-1.56±.11; $M_{\theta\phi}$-2.60±.09; $M_{\phi r}$-5.36±.09; Best double couple: NP1:ϕ_s56.00000°,δ21.00000°,λ125.00000°. NP2:ϕ_s199.00000°,δ73.00000°,λ78.00000°. Principal axes: T 6.6400,Plg60.0000° ,Azm91.0000°; N 0.5800,Plg12.0000°,Azm203.0000°; P -7.2300,Plg27.0000°,Azm299.0000°
$M_0$6.90000×10^{17}

(217) Kamchatka Peninsula

ISC	**XI**	**24 09 03 00.0–.06**	**54.22N–.01**	**154.29E–.02**	**505**	**6.5b**	**2432**	**2-162**
BGS	XI	24 09 02 51.4–1.4	53.47N	157.72E	490–0	6.2b		**¶13401002**
KRSC	XI	24 09 02 53.7–.80	53.83N	155.26E	567–56	6.3L		
IDC	XI	24 09 02 56.0–.44	54.21N	154.38E	456–4	5.7b,5.7		
SZGRF	XI	24 09 02 56.7	53.20N	154.03E	531	6.7b,5.7		
MOS	XI	24 09 02 58.2–1.0	54.11N	154.53E	508	6.5b,6.2s		
NEIC	XI	24 09 02 58.8–.26	54.20N	154.32E	492–3	7.3W,7.3W		
ISCJB	XI	24 09 02 58.7–.06	54.20N–.01	154.36E–.02	503	6.5b,7.3W		
BJI	XI	24 09 02 58.0	54.03N	154.54E	509	7.1b,6.6b		
TEH	XI	24 09 02 58.0	54.18N	154.31E	488	7.1b,6.6b		
DJA	XI	24 09 03 04	54.20N	154.31E	562	6.8W,6.6b		
GCMT	XI	24 09 03 09.5–.10	54.27N	154.71E	502–1	7.3W,6.6b		

ISC Event type fe.
BGS Error ellipse: s-maj=159.4km s-min=416.8km az=-1.0.
KRSC Event type se.
IDC Error ellipse: s-maj=5.5km s-min=4.2km az=127.0.
SZGRF Sea of Okhotsk.
MOS Event type fe. Error ellipse: s-maj=7.5km s-min=5.3km az=78.7. Fault plane solution: P-wave C81, D897 . Felt (IV) at Petropavlovsk-Kamchatskiy, Magadan; (II-III) at Severo-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s242.00000° ,δ7.00000°,λ-61.00000°. NP2:ϕ_s33.00000°,δ84.00000°,λ-94.00000°. Principal axes: T Plg38.0000°,Azm126.0000°; N Plg4.0000°,Azm34.0000°; P Plg51.0000°,Azm299.0000°
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=160.0. Felt at Petropavlovsk-Kamchatskiy. Recorded [1 JMA] in eastern and southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Complex earthquake observed on broadband displacement seismograms. A small event is followed by at least two larger events about 6 and 10 seconds later. Focal mechanism and depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s35.00000°,δ80.00000°,λ-105.00000°. NP2:ϕ_s272.00000°,δ18.00000°,λ-34.00000°. Principal axes: T Plg33.0000°,Azm138.0000°; N Plg0.0000°,Azm0.0000°; P Plg53.0000° ,Azm287.0000° Moment Tensor Solution. s174 Moment tensor: Scale 10^{20}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s271.00000° ,δ17.00000°,λ-34.00000°. NP2:ϕ_s34.00000°,δ81.00000°,λ-104.00000°. Principal axes: T 1.0200,Plg34.0000°,Azm135.0000°; N 0.1100,Plg13.0000°,Azm36.0000° ; P -1.1300,Plg52.0000°,Azm287.0000° $M_0$1.10000×10^{20} Moment Tensor Solution.
$M_0$8.00000×10^{19}
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.2km az=168.3.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 120 sta. Moment Tensor Solution. s122,c344; s99,c295; Moment tensor: Scale 10^{20}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s276.00000°,δ19.00000°,λ-29.00000°. NP2:ϕ_s34.00000° ,δ81.00000°,λ-106.00000°. Principal axes: T 1.0400,Plg34.0000°,Azm138.0000° ; N 0.1600,Plg16.0000°,Azm36.0000°; P -1.1900,Plg51.0000°,Azm285.0000°
$M_0$1.10000×10^{20}

(280) Banda Sea

ISC	**XI**	**27 20 43 46.9–.25**	**7.26S–.03**	**126.55E–.03**	**445–3**	**4.5b**	**149**	**4-146**
ISCJB	XI	27 20 43 46.2–.25	7.22S–.03	126.57E–.03	456–3	4.6b		**¶11479767**
DJA	XI	27 20 43 46.4–.20	7S–2.0	127E–2.0	440–3	5.2b,5.1		
NEIC	XI	27 20 43 46.4–.68	7.20S	126.56E	440–9	4.5b,5.1		
IDC	XI	27 20 43 47.2–1.6	7.20S	126.57E	445–20	4.2,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.0km az=40.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.5km az=64.0.
IDC Error ellipse: s-maj=22.1km s-min=7.8km az=68.0.

(181) Fiji Islands region

ISC	**XI**	**29 05 59 15.6–.10**	**18.84S–.02**	**177.64W–.02**	**377**	**5.7b**	**557**	**4-175**
BJI	XI	29 05 59 12.9	18.31S	177.32W	356	5.5b,5.4b		**¶11482916**
DJA	XI	29 05 59 14	18.81S	177.52W	377	6.0W,5.4b		
ISCJB	XI	29 05 59 14.3–.10	18.79S–.02	177.69W–.02	375	5.7b,5.4b		
BGS	XI	29 05 59 14.7–7.2	18.70S	177.72W	386–0	5.7b,5.4b		
MOS	XI	29 05 59 14.9–1.2	18.74S	177.61W	386	5.9b,5.4b		
IDC	XI	29 05 59 15.0–.62	18.82S	177.61W	373–5	5.3b,5.3		
NEIC	XI	29 05 59 16.6–.11	18.70S	177.72W	386	5.9W,5.9W		
SZGRF	XI	29 05 59 17.7	18.41S	177.20W	384	5.9W,5.9W		
GCMT	XI	29 05 59 19.6–.10	18.72S	177.52W	397–0	6.0W,5.9W		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.3km az=32.5.
BGS Error ellipse: s-maj=437.6km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=11.6km s-min=9.8km az=152.9.
IDC Error ellipse: s-maj=8.7km s-min=7.9km az=117.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.9km az=146.0. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}2.89 $M_{\theta\theta}$-5.39 $M_{\phi\phi}$2.50 $M_{r\theta}$-5.90 $M_{\theta\phi}$-2.56 $M_{\phi r}$4.06 Best double couple: NP1:ϕ_s293.00000°,δ79.00000°,λ123.00000°. NP2:ϕ_s39.00000° ,δ34.00000°,λ20.00000°. Principal axes: T 9.3200,Plg46.0000°,Azm235.0000° ; N -0.8400,Plg31.0000°,Azm105.0000°; P -8.4700,Plg26.0000°,Azm357.0000°
$M_0$8.90000×10^{17}
SZGRF Fiji Islands region.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s113,c247; s84,c118; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s30.00000°,δ42.00000°,λ17.00000°. NP2:ϕ_s288.00000° ,δ79.00000°,λ131.00000°. Principal axes: T 1.2000,Plg41.0000°,Azm236.0000° ; N -0.0900,Plg40.0000°,Azm98.0000°; P -1.1100,Plg23.0000°,Azm348.0000°
$M_0$1.20000×10^{18}

(181) Fiji Islands region

ISC	**XI**	**30 07 54 38.3–.85**	**20.97S–.06**	**178.85W–.06**	**614–10**	**4.4b**	**104**	**4-172**
ISCJB	XI	30 07 54 37.1–.82	21.01S–.06	178.87W–.06	616–10	4.4b		**¶11482972**
NEIC	XI	30 07 54 38.7–.65	20.83S	178.89W	619–7	4.4b		
IDC	XI	30 07 54 39.4–1.8	20.91S	178.86W	629–22	3.9,3.8		
BGS	XI	30 07 54 39.4–4.4	20.83S	178.89W	619–0	4.4b,3.8		
BJI	XI	30 07 54 40.3	20.03S	179.05W	615	5.0b,4.7b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=7.5km az=142.6.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.7km az=148.0.
IDC Error ellipse: s-maj=18.6km s-min=9.9km az=159.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(181) Fiji Islands region

ISC	**XII**	**04 17 32 04.3–.90**	**19.85S–.07**	**178.27W–.07**	**621–10**	**4.6b**	**132**	**4-160**
SZGRF	XII	04 17 30 55.1	21.50S	178.01W	33	4.6b		**¶12075763**
DJA	XII	04 17 31 38	19.67S	176.73W	415	4.7b		
BJI	XII	04 17 32 00.3	19.31S	177.42W	604	5.2b,4.7b		
IDC	XII	04 17 32 02.3–1.1	19.87S	178.20W	601–11	4.2,4.1		
MOS	XII	04 17 32 03.1–1.9	18.89S	178.98W	552	4.8b,4.1		
NEIC	XII	04 17 32 03.2–.66	19.77S	178.26W	610–7	4.5b,4.1		
ISCJB	XII	04 17 32 03.8–.87	19.86S–.07	178.35W–.07	632–10	4.6b,4.1		

ISC Event type se.
SZGRF Fiji Islands region.
NEIC Event type se.
ISCJB Event type se.

(262) Celebes Sea

ISC	**XII**	**04 23 13 32.9–.16**	**3.52N–.02**	**122.52E–.03**	**592–2**	**4.9b**	**396**	**3-157**
BJI	XII	04 23 13 26.8	2.98N	122.77E	590	4.9b,4.9b		**¶11492054**
MOS	XII	04 23 13 32.5–.94	3.58N	122.55E	608	4.7b,4.9b		
ISCJB	XII	04 23 13 32.2–.16	3.56N–.02	122.54E–.03	602–2	4.9b,4.9b		
IDC	XII	04 23 13 33.3–.66	3.60N	122.58E	600–7	4.1b,4.1		
DJA	XII	04 23 13 33.2–.20	4N–3.0	122E–2.0	588–2	5.5,5.3b		
NEIC	XII	04 23 13 33.1–.35	3.53N	122.51E	599–4	5.0b,5.3b		

ISC Event type se.
MOS Error ellipse: s-maj=13.5km s-min=6.2km az=119.7.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.4km az=166.5.
IDC Error ellipse: s-maj=10.1km s-min=5.8km az=69.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.3km az=55.0.

(280) Banda Sea

ISC	**XII**	**06 10 55 27.3–.09**	**7.47S–.01**	**124.70E–.01**	**406**	**6.0b**	**873**	**3-171**
BJI	XII	06 10 55 20.7	7.88S	125.19E	403	5.9b,5.8b		**¶13402074**
ISCJB	XII	06 10 55 25.7–.09	7.45S–.01	124.76E–.01	405	6.0b,5.8b		
NEIC	XII	06 10 55 26.4–.08	7.39S	124.75E	398	6.4W,6.4W		
IDC	XII	06 10 55 27.7–.38	7.33S	124.85E	410–3	5.7b,5.7		
BGS	XII	06 10 55 27.0–1.9	7.40S	124.74E	405–0	6.1b,5.7		
TEH	XII	06 10 55 27.0	7.38S	124.74E	408	6.1b,5.7		
MOS	XII	06 10 55 27.0–1.1	7.33S	124.76E	408	6.1b,5.5s		
DJA	XII	06 10 55 27.0–.10	8S–2.0	125E–1.0	415–2	6.8,6.8		
GCMT	XII	06 10 55 31.5–.10	7.44S	124.84E	407–0	6.4W,6.8		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.6km az=39.4.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=54.0. Felt [II] at Atambua and Dili, Timor-Leste. Also felt on Alor, Indonesia. Depth from broadband displacement seismograms. Energy computed from CMT mechanism.
IDC Error ellipse: s-maj=7.2km s-min=4.5km az=64.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.9km s-min=4.8km az=115.6.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 108 sta. Moment Tensor Solution. s122,c304; s99,c211; Moment tensor: Scale 10^{18}Nm; M_{rr}-4.83±.03 $M_{\theta\theta}$3.50±.04; $M_{\phi\phi}$1.33±.04; $M_{r\theta}$-0.92±.04; $M_{\theta\phi}$0.12±.04; $M_{\phi r}$3.79±.03; Best double couple: NP1: ϕ_s266.00000°,δ35.00000°,λ-128.00000°. NP2:ϕ_s129.00000°,δ63.00000°,λ-67.00000°. Principal axes: T 3.7200,Plg15.0000°,Azm202.0000°; N 2.9900,Plg20.0000°,Azm298.0000° ; P -6.7100,Plg64.0000°,Azm79.0000° $M_0$5.20000×10^{18}

(221) Kuril Islands

ISC	**XII**	**07 15 31 23.9–.20**	**51.49N–.02**	**151.75E–.03**	**442–2**	**4.8b**	**939**	**3-158**
SZGRF	XII	07 15 30 30.1	50.52N	153.47E	33	5.5b		**¶13402154**
DJA	XII	07 15 31 20	51.62N	152.13E	428	5.1b		
KRSC	XII	07 15 31 20.2–.00	50.91N	152.64E	496–16	5.4L		
MOS	XII	07 15 31 22.9–.80	51.48N	151.82E	447	5.1b		
ISCJB	XII	07 15 31 23.0–.20	51.48N–.02	151.80E–.03	447–2	4.8b		
SKHL	XII	07 15 31 22.2–2.0	51.29N	152.15E	476–20	6.3b,6.1s		
BJI	XII	07 15 31 22.9	51.37N	151.86E	456	4.9b,4.7b		
NEIC	XII	07 15 31 23.8–.10	51.48N	151.76E	443	4.8b,4.7b		
BGS	XII	07 15 31 23.2–1.5	51.56N	152.49E	443–0	4.8b,4.7b		
IDC	XII	07 15 31 24.4–.46	51.49N	151.79E	451–4	4.5b,4.5		

ISC Event type se.
SZGRF Kuril Islands, Russia.
KRSC Event type se.
MOS Error ellipse: s-maj=6.5km s-min=3.9km az=96.7.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=154.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.0km az=161.0.
BGS Error ellipse: s-maj=293.1km s-min=787.5km az=-1.0.
IDC Error ellipse: s-maj=7.0km s-min=5.6km az=143.0.

(173) Tonga Islands

ISC	**XII**	**09 18 51 15.1–.10**	**21.00S–.03**	**178.87W–.03**	**599**	**5.0b**	**655**	**4-176**
DJA	XII	09 18 49 58	20.50S	175.31W	10	5.8b		**¶13402353**
ISCJB	XII	09 18 51 13.7–.10	20.99S–.03	178.88W–.03	597	5.0b		
NEIC	XII	09 18 51 14.3–.51	20.89S	178.86W	597–5	5.1b		
MOS	XII	09 18 51 14.7–1.4	20.73S	178.89W	603	5.2b		
BGS	XII	09 18 51 15.1–3.3	20.89S	178.86W	597–0	5.1b		
GCMT	XII	09 18 51 15.9–.30	20.89S	178.62W	607–2	5.7W		
IDC	XII	09 18 51 16.4–.66	20.84S	178.85W	615–7	4.5b,4.5		
BJI	XII	09 18 51 16.0	19.96S	178.86W	592	5.1b,4.9b		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.6km az=42.5.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.8km az=140.0.
MOS Error ellipse: s-maj=9.4km s-min=8.2km az=56.8.
BGS Error ellipse: s-maj=258.2km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c130; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.20±.10 $M_{\theta\theta}$2.35±.17; $M_{\phi\phi}$0.86±.19; $M_{r\theta}$-3.07±.19; $M_{\theta\phi}$-0.62±.16; $M_{\phi r}$-1.51±.18; Best double couple: NP1:ϕ_s296.00000°,δ24.00000°,λ-55.00000°. NP2:ϕ_s78.00000°,δ70.00000°,λ-105.00000°. Principal axes: T 3.7100,Plg24.0000° ,Azm179.0000°; N 1.3100,Plg14.0000°,Azm83.0000°; P -5.0200,Plg62.0000°,Azm326.0000° M_o4.40000×10^{17}
IDC Error ellipse: s-maj=11.2km s-min=8.1km az=147.0.

(181) Fiji Islands region

ISC	**XII**	**09 20 08 49.5–.12**	**20.24S–.04**	**178.70W–.03**	**614**	**5.0b**	**710**	**4-175**
BJI	XII	09 20 08 46.7	19.99S	177.96W	618	5.1b,4.9b		**¶13402356**
NEIC	XII	09 20 08 47.9–.15	20.24S	178.66W	606	5.1b,4.9b		
IDC	XII	09 20 08 48.9–.51	20.23S	178.62W	616–5	4.6,4.6		
BGS	XII	09 20 08 48.9–6.0	20.24S	178.66W	606–0	5.1b,4.6		
ISCJB	XII	09 20 08 48.0–.12	20.25S–.04	178.74W–.03	613	5.0b,4.6		
MOS	XII	09 20 08 49.2–.98	20.05S	178.72W	622	5.1b,4.6		
GCMT	XII	09 20 08 52.5–.70	19.92S	178.45W	623–4	5.4W,4.6		
DJA	XII	09 20 08 58	20.40S	179.75W	650	5.1b,4.6		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.6km az=147.0.
IDC Error ellipse: s-maj=10.0km s-min=8.7km az=144.0.
BGS Error ellipse: s-maj=421.0km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.6km az=156.5.
MOS Error ellipse: s-maj=10.0km s-min=7.9km az=65.1.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s38,c50; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.07 $M_{\theta\theta}$-0.48±.11; $M_{\phi\phi}$0.56±.09; $M_{r\theta}$-1.19±.10; $M_{\theta\phi}$0.83±.10; $M_{\phi r}$-0.52±.11; Best double couple: NP1:ϕ_s163.00000°,δ37.00000°,λ-177.00000°. NP2: ϕ_s71.00000°,δ88.00000°,λ-53.00000°. Principal axes: T 1.7100,Plg33.0000°,Azm130.0000° ; N -0.1700,Plg37.0000°,Azm249.0000°; P -1.5400,Plg36.0000°,Azm12.0000° M_o1.60000×10^{17}

(181) Fiji Islands region

ISC	**XII**	**17 10 55 59.9–.08**	**17.86S–.02**	**178.37W–.02**	**532**	**5.3b**	**979**	**3-175**
ISCJB	XII	17 10 55 58.8–.08	17.86S–.02	178.40W–.02	530	5.3b		**¶12077906**
BJI	XII	17 10 55 58.7	17.33S	178.05W	521	5.7b,5.6b		
DJA	XII	17 10 55 58	17.88S	178.40W	518	5.8b,5.6b		
NEIC	XII	17 10 55 59.7–.09	17.74S	178.37W	530	5.8W,5.8W		
IDC	XII	17 10 55 59.6–.50	17.78S	178.46W	525–5	5.0,5.0		
NOU	XII	17 10 55 59.5–.45	11.10S	174.48E	30–0	5.0,5.0		
MOS	XII	17 10 55 59.6–1.0	17.63S	178.41W	530	5.3b,4.2s		
SZGRF	XII	17 10 56 00.0	18.49S	178.24W	545	5.3b,4.2s		
GCMT	XII	17 10 56 02.6–.10	17.77S	178.30W	548–0	5.8W,4.2s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.1km az=149.4.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.0km az=145.0. Moment Tensor Solution. s56 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.44 $M_{\theta\theta}$3.75 $M_{\phi\phi}$-1.31 $M_{r\theta}$-3.71 $M_{\theta\phi}$1.66 $M_{\phi r}$-4.81 Best double couple: NP1:ϕ_s287.00000°,δ25.00000°,λ-27.00000°. NP2:ϕ_s42.00000° ,δ79.00000°,λ-113.00000°. Principal axes: T 7.2000,Plg30.0000°,Azm150.0000° ; N -0.1800,Plg22.0000°,Azm46.0000°; P -7.0100,Plg51.0000°,Azm286.0000° M_o7.10000×10^{17}
IDC Error ellipse: s-maj=9.0km s-min=6.7km az=160.0.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.5km s-min=6.9km az=56.7.
SZGRF Fiji Islands region.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s103,c208; s58,c62; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.76±.05 $M_{\theta\theta}$3.48±.08; $M_{\phi\phi}$-0.72±.09; $M_{r\theta}$-3.06±.08; $M_{\theta\phi}$1.39±.08; $M_{\phi r}$-4.54±.08; Best double couple: NP1:ϕ_s281.00000°,δ25.00000°,λ-33.00000°. NP2:ϕ_s41.00000°,δ77.00000°,λ-111.00000°. Principal axes: T 6.3100,Plg29.0000° ,Azm148.0000°; N 0.3400,Plg21.0000°,Azm46.0000°; P -6.6400,Plg53.0000°,Azm286.0000° M_o6.50000×10^{17}

(171) South of Fiji Islands

ISC	**XII**	**18 20 57 39.6–.48**	**23.69S–.02**	**179.98E–.02**	**546–5**	**5.3b**	**766**	**6-169**
DJA	XII	18 20 57 06	23.79S	178.02W	306	6.0b		**¶13403171**
MOS	XII	18 20 57 38.3–2.0	23.36S	179.98W	528	5.3b		
ISCJB	XII	18 20 57 38.2–.51	23.59S–.02	179.93E–.02	538–6	5.3b		
BJI	XII	18 20 57 38.5	23.50S	180.00E	543	5.4b,5.3b		
IDC	XII	18 20 57 39.2–.39	23.49S	179.99W	537–3	4.9b,4.9		
NEIC	XII	18 20 57 39.5–.11	23.50S	180.00W	543	5.4W,5.3b		
SZGRF	XII	18 20 57 40.7	23.41S	179.36W	558	5.4W,5.3b		
GCMT	XII	18 20 57 40.7–.60	23.84S	179.65W	562–2	5.6W,5.3b		

ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=7.7km az=65.1.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.0km az=140.4.
IDC Error ellipse: s-maj=7.7km s-min=6.4km az=3.0.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.3km az=153.0. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.44 $M_{\theta\theta}$0.49 $M_{\phi\phi}$-0.05 $M_{r\theta}$-0.77 $M_{\theta\phi}$-0.64 $M_{\phi r}$-1.39 Best double couple: NP1:ϕ_s113.00000°,δ14.00000°,λ-174.00000°. NP2:ϕ_s17.00000° ,δ89.00000°,λ-76.00000°. Principal axes: T 1.1600,Plg42.0000°,Azm94.0000° ; N 0.8900,Plg13.0000°,Azm197.0000°; P -2.0400,Plg44.0000°,Azm301.0000° M_o1.80000×10^{17}
SZGRF South of Fiji Islands.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c85; Moment tensor: Scale 10^{17}Nm; M_{rr}0.48±.06 $M_{\theta\theta}$-1.21±.10; $M_{\phi\phi}$0.74±.09; $M_{r\theta}$-1.18±.10; $M_{\theta\phi}$-1.21±.08; $M_{\phi r}$-1.81±.09; Best double couple: NP1:ϕ_s109.00000°,δ33.00000°,λ168.00000°. NP2: ϕ_s209.00000°,δ83.00000°,λ57.00000°. Principal axes: T 2.4200,Plg42.0000°,Azm88.0000° ; N 0.4800,Plg33.0000°,Azm213.0000°; P -2.9000,Plg31.0000°,Azm325.0000° M_o2.70000×10^{17}

(224) Hokkaido region

ISC	**XII**	**21 05 02 36.6–.15**	**45.87N–.02**	**142.54E–.03**	**326–1**	**4.4b**	**504**	**1-151**
NIED	XII	21 05 02 00	45.80N	142.60E	340	4.5W		**¶13403550**
ISCJB	XII	21 05 02 35.9–.15	45.86N–.02	142.52E–.03	332–1	4.4b		
BJI	XII	21 05 02 35.3	45.99N	142.51E	328	4.7b,4.7b		
MOS	XII	21 05 02 35.7–.93	45.94N	142.41E	325	4.6b,4.7b		
NEIC	XII	21 05 02 36.6–.31	45.91N	142.51E	326–3	4.7b,4.5W		
JMA	XII	21 05 02 36.3–.20	45.77N	142.58E	337–2	4.5,4.5W		
IDC	XII	21 05 02 36.6–.43	45.95N	142.44E	323–4	4.0,4.0		
SKHL	XII	21 05 02 37.9–.40	45.90N	142.70E	316–2	5.1,5.0b		
TEH	XII	21 05 02 37.0	45.89N	142.54E	328	5.1,5.0b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s49.00000°,δ64.00000°,λ-147.00000°. NP2:ϕ_s304.00000°,δ61.00000°,λ-30.00000°. M_o7.50000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.5km az=30.8.
MOS Error ellipse: s-maj=8.2km s-min=5.0km az=109.9.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.4km az=143.0. Moment Tensor Solution. M_o7.50000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=8.6km s-min=7.0km az=138.0.

(171) South of Fiji Islands

ISC	**XII**	**21 14 36 32.8–.81**	**22.55S–.04**	**179.52W–.07**	**580–10**	**4.3b**	**101**	**5-171**
ISCJB	XII	21 14 36 30.7–.79	22.48S–.04	179.53W–.07	566–10	4.2b		**¶11517282**
IDC	XII	21 14 36 31.0–1.3	22.35S	179.50W	558–13	3.9,3.8		
BJI	XII	21 14 36 31.8	22.30S	179.70W	591	5.1b,4.4b		
NEIC	XII	21 14 36 33.9–.71	22.34S	179.65W	592–8	4.5b,4.4b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=8.3.
IDC Error ellipse: s-maj=14.2km s-min=11.1km az=128.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.1km az=128.0.

(181) Fiji Islands region

ISC	**XII**	**21 15 51 06.8–.75**	**20.32S–.05**	**177.82W–.06**	**552–8**	**4.7b**	**152**	**5-173**
ISCJB	XII	21 15 51 06.3–.77	20.38S–.04	177.86W–.06	560–9	4.7b		**¶11517287**
DJA	XII	21 15 51 06	20.16S	177.87W	543	5.0b		
BJI	XII	21 15 51 06.0	20.23S	176.87W	590	5.0b,4.6b		
NEIC	XII	21 15 51 06.4–.61	20.26S	177.78W	551–7	4.7b,4.6b		
IDC	XII	21 15 51 07.8–1.5	20.44S	177.79W	568–16	4.2,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.7km az=10.2.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.8km az=137.0.
IDC Error ellipse: s-maj=12.5km s-min=8.8km az=136.0.

(171) South of Fiji Islands

ISC	**XII**	**22 05 36 45.8–.60**	**23.52S–.04**	**179.98W–.04**	**526–6**	**4.8b**	**198**	**6-170**
BJI	XII	22 05 36 44.9	23.50S	179.90W	523	5.0b,4.6b		**¶11517514**
ISCJB	XII	22 05 36 45.2–.68	23.50S–.04	179.97E–.04	530–8	4.8b,4.6b		
IDC	XII	22 05 36 45.1–1.1	23.41S	179.86W	518–10	4.4,4.3b		
NEIC	XII	22 05 36 45.8–.60	23.46S	179.93W	525–7	4.7b,4.3b		
DJA	XII	22 05 37 00	23.50S	178.80E	626	5.2b,4.3b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.2km az=157.9.
IDC Error ellipse: s-maj=11.3km s-min=10.8km az=114.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.0km az=140.0.

(280) Banda Sea

ISC	**XII**	**23 13 28 42.0–.36**	**6.77S–.03**	**128.19E–.05**	**317–4**	**4.6b**	**124**	**3-152**
ISCJB	XII	23 13 28 40.9–.35	6.77S–.03	128.22E–.05	324–4	4.5b		**¶11518364**
IDC	XII	23 13 28 41.5–1.3	6.77S	128.17E	311–12	4.3,4.3		
DJA	XII	23 13 28 42	6.88S	128.25E	268	5.1b,4.3		
NEIC	XII	23 13 28 42.3–.67	6.79S	128.12E	322–7	4.6b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.4km az=165.2.
IDC Error ellipse: s-maj=15.5km s-min=7.7km az=77.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.9km az=56.0.

(259) Mindanao

ISC	**XII**	**25 18 12 07.3–.14**	**5.35N–.01**	**124.30E–.02**	**431–1**	**5.5b**	**746**	**1-172**
SZGRF	XII	25 18 11 36.5	7.73N	122.55E	33	5.9b		**¶13403989**
BJI	XII	25 18 12 02.3	4.84N	124.55E	434	5.3b,4.9b		
MOS	XII	25 18 12 05.8–.88	5.35N	124.22E	425	5.6b,4.9b		
MAN	XII	25 18 12 05	5.23N	124.41E	433	5.9b,5.4s		
DJA	XII	25 18 12 06	5.40N	124.32E	434	5.4W,5.4s		
ISCJB	XII	25 18 12 06.3–.15	5.33N–.01	124.31E–.02	435–1	5.5b,5.4s		
GCMT	XII	25 18 12 07.5–.30	5.39N	124.27E	421–2	5.4W,5.4s		
IDC	XII	25 18 12 07.5–.45	5.28N	124.27E	430–4	5.0b,5.0		
NEIC	XII	25 18 12 07.4–.37	5.32N	124.26E	432–4	5.6b,5.0		

ISC Event type se.
SZGRF Mindanao, Philippine Islands.
MOS Error ellipse: s-maj=8.9km s-min=4.3km az=120.4.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=178.8.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s65,c95; s14,c14; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.35±.04 $M_{\theta\theta}$0.05±.06; $M_{\phi\phi}$0.30±.06; $M_{r\theta}$0.06±.07; $M_{\theta\phi}$0.42±.05; $M_{\phi r}$-1.33±.05; Best double couple: NP1:ϕ_s249.00000°,δ18.00000°,λ-23.00000°. NP2:ϕ_s1.00000°,δ83.00000°,λ-107.00000°. Principal axes: T 1.4100,Plg36.0000° ,Azm105.0000°; N 0.0500,Plg17.0000°,Azm3.0000°; P -1.4600,Plg49.0000°,Azm252.0000° M_o1.40000×10^{17}
IDC Error ellipse: s-maj=9.1km s-min=5.6km az=67.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.3km az=61.0.

(181) Fiji Islands region

ISC	**XII**	**26 21 48 41.6–.67**	**17.65S–.07**	**179.00W–.08**	**535–6**	**4.3b**	**80**	**3-175**
IDC	XII	26 21 48 40.0–1.6	17.64S	178.93W	515–16	3.8,3.8		**¶11523417**
ISCJB	XII	26 21 48 41.3–.64	17.68S–.07	179.05W–.07	545–6	4.3b,3.8		
NEIC	XII	26 21 48 41.5–.62	17.63S	178.96W	538–6	4.5b,3.8		
BJI	XII	26 21 48 41.8	17.60S	178.80W	543	5.1b,4.7b		

ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=12.2km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=8.9km az=139.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.4km az=134.0.

FELT AND DAMAGING EARTHQUAKES

(116) Central Peru

ISC	**VII**	**01 00 17 32.8–1.6**	**10.36S–.03**	**75.50W–.02**	**28–11**	**5.3b,5.0s**	**965**	**2-171**
IDC	VII	01 00 17 28.3–.38	10.31S	75.55W	0	5.2,5.2		**¶13378991**
ISCJB	VII	01 00 17 31.0–.14	10.29S–.03	75.60W–.02	27	5.3b,5.0s		
GCMT	VII	01 00 17 30.9–.10	10.38S	75.42W	12	5.4W,5.0s		
MOS	VII	01 00 17 32.1–1.0	10.29S	75.57W	33	5.5b,5.0s		
NEIC	VII	01 00 17 33.2–1.4	10.37S	75.51W	33–9	5.4b,5.3L		

ISC Event type de.
IDC Error ellipse: s-maj=13.9km s-min=9.9km az=82.0.
ISCJB Event type de. Error ellipse: s-maj=4.2km s-min=2.8km az=36.4.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 95, comp=190, per= 50. Moment Tensor Solution. s65,c109; s15,c16; Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.02 $M_{\theta\theta}$-0.19±.02; $M_{\phi\phi}$-1.37±.02; $M_{r\theta}$0.24±.06; $M_{\theta\phi}$0.61±.02; $M_{\phi r}$0.64±.06; Best double couple: NP1:ϕ_s142.00000°,δ38.00000°,λ66.00000°. NP2:ϕ_s352.00000°,δ56.00000°,λ108.00000°. Principal axes: T 1.7600,Plg73.0000°,Azm309.0000°; N -0.0600,Plg15.0000°,Azm162.0000° ; P -1.7100,Plg9.0000°,Azm69.0000° M_o1.70000×10^{17}
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=95.8.
NEIC Event type de. Error ellipse: s-maj=4.5km s-min=3.0km az=225.0. Forty-five people injured in Oxapampa. About 60 houses destroyed and 25 damaged in Huancabamba. Landslides destroyed roads between Huancabamba and Pozuzo. Felt [VI] at Espiritu Pata, Huancabamba, Jatunpata, Lanturache, Tingo and Torrebamba; [III] at Chotabanda, Oxapampa, Palcazu and Pozuzo; [II] at Puerto Bermudez and Villa Rica.

(116) Central Peru

ISC	**VII**	**01 01 04 18.9–2.3**	**10.34S–.05**	**75.40W–.06**	**24–17**	**4.5b,3.6s**	**252**	**2-165**
IDC	VII	01 01 04 14.9–.60	10.33S	75.49W	0	4.3,4.2		**¶11006800**
BJI	VII	01 01 04 15.0	9.88S	75.45W	28	5.1s,5.0b		
ISCJB	VII	01 01 04 16.6–2.2	10.29S–.05	75.38W–.06	24–16	4.5b,3.6s		
NEIC	VII	01 01 04 18.7–2.3	10.34S	75.39W	28–17	4.7b,4.4L		

ISC Event type fe.
IDC Error ellipse: s-maj=14.8km s-min=12.3km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=8.0km az=162.3.
NEIC Event type fe. Error ellipse: s-maj=13.1km s-min=7.4km az=60.0. Felt [II] at Pozuzo.

(274) Southern Sumatera

ISC	**VII**	**01 02 32 24.8–.42**	**0.91S–.04**	**100.04E–.05**	**81–4**	**4.0b**	**37**	**0-145**
NEIC	VII	01 02 32 19.6–.74	0.96S	100.23E	35	4.2b		**¶11799127**
ISCJB	VII	01 02 32 23.7–.41	0.91S–.04	100.04E–.05	89–3	4.0b		
IDC	VII	01 02 32 23.8–1.0	0.75S	100.41E	68–6	3.8,3.7b		
DJA	VII	01 02 32 26	0.93S	100.01E	39	4.0,3.7b		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=38.4km s-min=11.0km az=60.0. Felt [II] at Padang.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=6.8km az=144.9.
IDC Error ellipse: s-maj=48.5km s-min=14.8km az=58.0.

(227) Eastern Honshu

ISC	**VII**	**01 02 36 57.6–.42**	**39.14N–.03**	**140.96E–.04**	**10**	**3.7b**	**27**	**0-146**
NIED	VII	01 02 36 00	39.20N	141.00E	5	3.7W		**¶11746815**
ISCJB	VII	01 02 36 56.7–.42	39.13N–.03	140.95E–.04	10	3.7b		
NEIC	VII	01 02 36 56.9	39.16N	140.95E	10	3.9		
JMA	VII	01 02 36 56.9	39.16N	140.95E	10	3.6		
IDC	VII	01 02 37 01.9–4.1	39.07N	140.67E	35–33	3.7,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ47.00000°,λ94.00000°. NP2:ϕ_s184.00000°,δ43.00000°,λ86.00000°. M_o3.80000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=141.5.
NEIC Event type se. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s247.00000°,δ43.00000°,λ-157.00000°. NP2:ϕ_s139.00000°,δ74.00000°,λ-49.00000°. Principal axes: T Plg19.0000°,Azm200.0000°; N Plg39.0000°,Azm306.0000°; P Plg45.0000° ,Azm90.0000°
IDC Error ellipse: s-maj=33.2km s-min=17.6km az=107.0.

(19) Southeastern Alaska

ISC	**VII**	**01 02 48 43.6–.23**	**58.79N–.02**	**137.51W–.04**	**10**	**4.0b**	**109**	**1-90**
BJI	VII	01 02 48 37.9	58.70N	137.40W	11	4.8b,4.6s		**¶11479791**
ISCJB	VII	01 02 48 41.5–.23	58.73N–.02	137.63W–.04	10	4.0b,4.6s		
PGC	VII	01 02 48 42.9–.10	58.73N	137.45W	1	4.3L,4.3L		
IDC	VII	01 02 48 42.1–.81	58.74N	137.51W	0	4.0,3.9		
NEIC	VII	01 02 48 42.9	58.73N	137.45W	1	4.5L,4.3W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.4km az=28.3.
PGC Event type ke. 132km Ese of Yakutat, Ak Southeastern Alaska.
IDC Error ellipse: s-maj=17.2km s-min=10.3km az=21.0.
NEIC Event type fe. Felt at Gustavus and Haines. After PGC. Moment Tensor Solution. M_o4.10000×10^{15} Moment Tensor Solution. M_o2.90000×10^{15}

(228) Near east coast of eastern Honshu

ISC	**VII**	**01 05 39 28.4–2.0**	**36.42N–.09**	**141.2E–.10**	**28–8**		**12**	**1-2**
NIED	VII	01 05 39 00	36.50N	141.10E	35	3.6W		**¶11746816**
JMA	VII	01 05 39 28.9–.10	36.44N	141.11E	46–1	3.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ70.00000°,λ88.00000°. NP2:ϕ_s223.00000°,δ20.00000°,λ96.00000°. M_o2.97000×10^{14}
JMA Event type fe.

(227) Eastern Honshu

ISC	**VII**	**01 11 17 50.1–.47**	**38.96N–.02**	**140.60E–.02**	**0–3**	**4.5b,3.8s**	**396**	**0-146**
NIED	VII	01 11 17 00	39.00N	140.70E	5	4.1W,3.8s		**¶13379033**
BJI	VII	01 11 17 46.7	38.98N	141.01E	10	4.7b,4.5b		
ISCJB	VII	01 11 17 49.1–.46	38.99N–.02	140.57E–.02	3–3	4.4b,3.8s		
JMA	VII	01 11 17 49.5–.10	38.96N	140.66E	2–1	4.3,3.8s		
IDC	VII	01 11 17 49.4–.57	38.96N	140.55E	0	4.4,4.3		
NEIC	VII	01 11 17 52.7–2.5	38.98N	140.49E	18–15	4.5b,4.1W		
MOS	VII	01 11 17 53.6–1.0	39.02N	140.46E	38	4.5b,4.1W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s170.00000°,δ83.00000°,λ-9.00000°. NP2:ϕ_s261.00000°,δ81.00000°,λ-173.00000°. M_o1.60000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=156.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s168.00000°,δ65.00000°,λ-20.00000°. NP2:ϕ_s267.00000°,δ72.00000°,λ-153.00000°. Principal axes: T Plg5.0000°,Azm36.0000°; N Plg59.0000°,Azm298.0000°; P Plg31.0000° ,Azm129.0000°
IDC Error ellipse: s-maj=17.3km s-min=12.8km az=123.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.5km az=157.0. Recorded [3 JMA] in Miyagi and [2 JMA] in Akita and Yamagata. Moment Tensor Solution. M_o1.60000×10^{15}
MOS Error ellipse: s-maj=10.5km s-min=6.7km az=83.4.

(460) Wyoming

ISC	**VII**	**01 18 10 24.2–.43**	**43.78N–.04**	**105.26W–.05**	**0**		**40**	**1-20**
ISCJB	VII	01 18 10 22.5–.44	43.79N–.04	105.27W–.05	0			**¶11799190**
IDC	VII	01 18 10 23.4–1.6	43.60N	105.33W	0	3.7,3.4L		
NEIC	VII	01 18 10 24.1–.37	43.77N	105.27W	0	3.2L,3.4L		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.8km s-min=5.4km az=143.7.
IDC Error ellipse: s-maj=41.8km s-min=9.7km az=151.0.
NEIC Event type fm. Error ellipse: s-maj=5.0km s-min=4.7km az=158.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(715) Tajikistan

ISC	**VII**	**01 23 50 58.8–1.2**	**38.21N–.04**	**68.66E–.06**	**23–11**	**3.6b**	**73**	**4-45**
IDC	VII	01 23 50 45.4–5.0	37.02N	69.15E	0	3.8,3.8		**¶11325465**
MOS	VII	01 23 50 58.7–1.9	38.23N	68.89E	33	4.1b,3.8		
NNC	VII	01 23 50 59.9–4.5	38.47N	68.79E	9–18	4.2b,4.0		
NEIC	VII	01 23 51 03.9–.85	38.54N	68.92E	49–12	3.7b,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=78.5km s-min=22.8km az=166.0.
MOS Error ellipse: s-maj=14.7km s-min=8.1km az=75.7.
NNC Error ellipse: s-maj=28.8km s-min=15.7km az=28.0.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=7.7km az=106.0. Felt at Dushanbe.

(266) Northern Molucca Sea

ISC	**VII**	**02 03 54 54.6–.59**	**1.23N–.04**	**126.65E–.05**	**81–5**	**4.6b**	**128**	**1-148**
MOS	VII	02 03 54 47.6–1.0	1.28N	126.50E	33	5.0b		**¶11006849**
BJI	VII	02 03 54 48.2	1.20N	126.76E	43	4.8b,4.7b		
NEIC	VII	02 03 54 49.6–.23	1.31N	126.61E	35	4.9b,4.7b		
ISCJB	VII	02 03 54 53.5–.58	1.26N–.03	126.59E–.04	86–5	4.6b,4.7b		
IDC	VII	02 03 54 54.1–2.4	1.13N	126.52E	80–21	4.2,4.2		
DJA	VII	02 03 54 56	1.18N	126.58E	47	5.2b,4.2		

ISC Event type fe.
MOS Error ellipse: s-maj=19.7km s-min=7.8km az=115.3.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=4.7km az=72.0. Felt [III] on Ternate, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.1km az=155.3.
IDC Error ellipse: s-maj=19.4km s-min=8.2km az=77.0.

(159) North Island

WEL	**VII**	**02 05 19 39.2–.17**	**40.00S**	**176.80E**	**48–1**	**3.9L**		
NEIC	VII	02 05 19 39.8	39.96S	176.77E	44	3.9L		**¶11207175**

WEL Event type fe. Error ellipse: s-maj=1.6km s-min=1.1km az=90.0. Felt in the Hawke''s Bay region, maximum reported intensity MM 4.
NEIC Event type se. After WEL.

(710) Pakistan

ISC	**VII**	**02 08 08 38.3–.60**	**33.66N–.04**	**71.64E–.06**	**53–12**	**3.7b,2.8s**	**50**	**2-47**
IDC	VII	02 08 08 34.7–6.8	33.81N	71.52E	0	3.8,3.8b		**¶13379154**
ISCJB	VII	02 08 08 37.4–.81	33.59N–.04	71.58E–.06	71–13	3.6b,3.8b		
NNC	VII	02 08 08 37.3–7.1	33.97N	70.90E	0	3.9b,3.8b		
NEIC	VII	02 08 08 38.1–1.1	33.53N	71.68E	53–12	3.7b,3.8b		
NDI	VII	02 08 08 44.5–3.2	33.19N	71.64E	53–0	3.7b,3.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=118.9km s-min=30.2km az=148.0.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=6.4km az=157.0.
NNC Error ellipse: s-maj=106.6km s-min=74.2km az=84.0.
NEIC Event type fe. Error ellipse: s-maj=19.1km s-min=9.3km az=128.0. Felt at Peshawar.
NDI Error ellipse: s-maj=24.3km s-min=41.6km az=-1.0.

(374) Jordan - Syria region

ISC	**VII**	**02 09 29 15.6–.81**	**33.45N–.03**	**35.58E–.05**	**14–4**		**40**	**0-2**
NSSC	VII	02 09 29 15	33.43N	35.57E	11–3			**¶11799253**
ISCJB	VII	02 09 29 15.4–.80	33.47N–.03	35.59E–.05	13–5			
NEIC	VII	02 09 29 15.7	33.43N	35.56E	20	3.1L,2.9L		
CSEM	VII	02 09 29 15.1–.24	33.45N	35.56E	12	1.5,2.9L		
GRAL	VII	02 09 29 16.4–.39	33.43N	35.61E	0–71	3.0,2.9L		

ISC Event type fe.
NSSC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=5.1km az=152.4.
NEIC Event type fe. Felt at Srifa, Lebanon. After GRAL.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=56.0.
GRAL Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.

(227) Eastern Honshu

ISC	**VII**	**02 15 50 24.5–.55**	**39.08N–.03**	**140.98E–.05**	**10**	**3.7b**	**18**	**0-63**
ISCJB	VII	02 15 50 24.0–.52	39.09N–.03	141.01E–.05	10	3.7b		**¶12697945**
IDC	VII	02 15 50 23.3–1.8	38.89N	141.38E	0	3.5b,3.5		
JMA	VII	02 15 50 24.1	39.10N	140.95E	9–1	3.3,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.6km az=11.6.
IDC Error ellipse: s-maj=46.0km s-min=31.5km az=106.0.
JMA Event type fe.

(383) Northwestern Balkan Peninsula

ISC	**VII**	**02 15 54 21.3–.29**	**46.46N–.01**	**16.28E–.02**	**11–2**		**179**	**0-5**
PRU	VII	02 15 54 20.9	46.46N	16.22E	2			**¶11341945**
ISCJB	VII	02 15 54 20.1–.29	46.48N–.01	16.30E–.02	10–2			
NEIC	VII	02 15 54 21.6–.46	46.46N	16.21E	10	2.5L		
CSEM	VII	02 15 54 21.1–.12	46.48N	16.26E	8	3.4L		
BEO	VII	02 15 54 21.3–.75	46.56N	16.55E	1–0	2.8L		
LJU	VII	02 15 54 21.3	46.48N	16.19E	10	2.5L		
VIE	VII	02 15 54 22.1–1.0	46.47N	16.20E	6–5	3.1L,2.5b		
IPEC	VII	02 15 54 23.3–.21	46.54N	16.20E	21–1	2.6L,2.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.3km az=35.5.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=142.0. Felt at Ormoz.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=136.0.
VIE Error ellipse: s-maj=6.7km s-min=4.3km az=89.0. 21 km NNW of Varazdin .
IPEC Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=154.0.

(364) Greece

ISC	**VII**	**02 16 18 52.8–.24**	**38.34N–.01**	**21.79E–.02**	**7–2**	**4.0b,3.0s**	**451**	**0-78**
IDC	VII	02 16 18 50.7–.80	38.39N	21.75E	0	4.0,4.0b		**¶13379197**
ISCJB	VII	02 16 18 51.8–.23	38.35N–.01	21.75E–.02	11–2	4.0b,3.0s		
THE	VII	02 16 18 52.5	38.36N	21.76E	8–0	4.2L,3.0s		
NEIC	VII	02 16 18 52.1	38.34N	21.78E	13	4.0b,3.8L		
ATH	VII	02 16 18 52.1	38.34N	21.78E	13–1	3.7L,3.6		
CSEM	VII	02 16 18 52.4–.12	38.32N	21.80E	8	4.0b,3.6		
PDG	VII	02 16 18 52.3–.62	38.35N	21.77E	8–1	3.8L,3.6		
MOS	VII	02 16 18 54.5–1.1	38.37N	21.82E	33	4.2b,3.6		

ISC Event type fe.
IDC Error ellipse: s-maj=16.5km s-min=14.1km az=123.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=24.9.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=162.0.
NEIC Event type fe. Felt at Patrai and Rion. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=36.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.1km az=0.0.
MOS Error ellipse: s-maj=6.9km s-min=3.9km az=95.0.

(273) Southwest of Sumatera

ISC	**VII**	**02 16 36 34.0–.94**	**6.06S–.06**	**104.01E–.06**	**54–8**	**4.1b**	**48**	**1-145**
IDC	VII	02 16 36 26.6–1.2	6.01S	103.91E	0	4.0,3.9b		**¶11799278**
NEIC	VII	02 16 36 31.7–.71	6.04S	103.96E	35	4.3b,3.9b		
ISCJB	VII	02 16 36 32.6–.98	6.08S–.06	103.99E–.06	60–8	4.1b,3.9b		
DJA	VII	02 16 36 32	6.02S	104.13E	5	4.6,3.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=61.9km s-min=15.3km az=53.0.
NEIC Event type fe. Error ellipse: s-maj=36.6km s-min=7.0km az=51.0. Felt [II] at Krui and Liwa.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=5.4km az=137.4.

(123) Northern Chile

ISC	**VII**	**02 17 11 16.7–.39**	**18.91S–.04**	**69.31W–.04**	**99–4**	**4.4b**	**351**	**0-172**
ISCJB	VII	02 17 11 15.0–.43	18.83S–.04	69.33W–.04	98–4	4.4b		**¶11006860**
NEIC	VII	02 17 11 16.2–.32	19.02S	69.39W	105	4.5b		
BJI	VII	02 17 11 17.2	19.00S	69.40W	104	4.8b		
IDC	VII	02 17 11 17.7–.57	18.84S	69.30W	111–4	4.2,4.2		
GUC	VII	02 17 11 17.5–.41	19.03S	69.50W	104–2	4.8L,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=6.3km az=40.3.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=6.9km az=46.0. Felt [II] at Arica, Camina, Huara, Pozo Almonte and Putre.
IDC Error ellipse: s-maj=16.3km s-min=12.0km az=47.0.
GUC Error ellipse: s-maj=2.3km s-min=4.5km az=-1.0.

(244) Taiwan

ISC	**VII**	**03 00 05 38.4–.20**	**23.17N–.01**	**120.67E–.02**	**16–1**	**3.7b**	**139**	**0-84**
IDC	VII	03 00 05 34.2–.77	23.12N	120.88E	0	3.9,3.8		**¶13075609**
BJI	VII	03 00 05 37.0	23.20N	120.70E	15	4.0L,3.8		
TAP	VII	03 00 05 37.4	23.19N	120.67E	15–0	4.3L,3.8		
NEIC	VII	03 00 05 37.9	23.19N	120.71E	6	4.5L,3.8		
ISCJB	VII	03 00 05 38.3–.21	23.16N–.01	120.65E–.02	20–2	3.7b,3.8		

ISC Event type fe.
TAP B.
NEIC Event type fe. Recorded [4 TAP] in Chia-i and Kao-hsiung; [1 TAP] in Hua-lien, P'ing-tung, T'ai-nan and T'ai-tung. After TAP.
ISCJB Event type fe.

(224) Hokkaido region

ISC	**VII**	**03 01 00 06.1–.31**	**42.29N–.03**	**142.98E–.05**	**62–2**	**4.3b**	**95**	**0-86**
NIED	VII	03 01 00 00	42.30N	143.00E	59	4.2W		**¶11479823**
ISCJB	VII	03 01 00 04.9–.31	42.27N–.03	142.97E–.05	67–2	4.2b		
MOS	VII	03 01 00 04.8–1.1	42.26N	142.90E	69	4.4b		
BJI	VII	03 01 00 04.3	42.61N	143.45E	82	4.7b,4.5b		
JMA	VII	03 01 00 06.6–.10	42.33N	143.01E	51–1	4.0,4.5b		
NEIC	VII	03 01 00 06.6	42.33N	143.01E	51	4.5b,4.2W		
IDC	VII	03 01 00 07.5–1.9	42.32N	142.88E	73–14	3.9,3.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ73.00000°,λ83.00000°. NP2:ϕ_s224.00000°,δ18.00000°,λ111.00000°. M_o2.22000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.7km az=35.3.
MOS Error ellipse: s-maj=11.7km s-min=7.8km az=97.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type fe. Recorded [2 JMA] in southern Hokkaido. After JMA. Moment Tensor Solution. M_o2.20000×10^{15}
IDC Error ellipse: s-maj=18.7km s-min=13.2km az=117.0.

(248) Philippine Islands region

ISC	**VII**	**03 01 38 43.3–1.6**	**15.40N–.03**	**123.05E–.06**	**26–12**	**4.2b,3.3s**	**60**	**1-90**
ISCJB	VII	03 01 38 43.4–.61	15.39N–.03	123.00E–.06	43–6	4.2b,3.3s		¶11479824
BJI	VII	03 01 38 43.4	15.38N	123.44E	42	4.5b,4.2b		
MAN	VII	03 01 38 43	15.43N	122.85E	21	4.9b,3.9s		
IDC	VII	03 01 38 45.2–.68	15.36N	123.14E	44–5	4.7L,4.0		
NEIC	VII	03 01 38 45.3–1.8	15.32N	123.05E	44–17	4.4b,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.0km az=170.3.
MAN Event type fe. INTENSITY II - BALER AURORA.
IDC Error ellipse: s-maj=14.4km s-min=9.5km az=124.0.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=7.5km az=67.0. Felt [II PIVS] at Baler, Luzon.

(98) Trinidad

ISC	**VII**	**03 06 34 55.4–.09**	**10.37N–.01**	**60.472W–.01**	**45**	**5.6b,5.4s**	**1774**	**1-175**
BGS	VII	03 06 34 37.8–1.4	8.68N	62.27W	33–0	5.4s,5.4b		¶12951001
CASC	VII	03 06 34 46.2–4.0	9.89N	59.59W	35–999	5.7b,5.4b		
MOS	VII	03 06 34 51.8–.83	10.34N	60.44W	33	5.7b,5.3s		
LDG	VII	03 06 34 52.3–.35	10.38N	60.68W	46–0	5.6b,5.1s		
FUNV	VII	03 06 34 53.1	10.34N	60.20W	42	5.3W,5.1s		
NEIC	VII	03 06 34 53.7–.84	10.28N	60.44W	34–5	5.8W,5.7b		
ISCJB	VII	03 06 34 53.1–.09	10.37N–.01	60.492W–.01	43	5.6b,5.4s		
IDC	VII	03 06 34 54.9–.31	10.27N	60.53W	42–2	5.3s,5.3		
BJI	VII	03 06 34 54.0	11.26N	60.69W	33	5.7s,5.5b		
TRN	VII	03 06 34 54.6	10.50N	60.34W	26	5.6,5.5b		
GCMT	VII	03 06 34 56.6–.20	10.26N	60.28W	13–0	5.7W,5.5b		
SZGRF	VII	03 06 34 58.4	10.47N	59.65W	43	6.0b,5.5s		

ISC Event type fe.
BGS Error ellipse: s-maj=388.8km s-min=219.0km az=-1.0.
CASC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=4.8km s-min=3.5km az=55.1.
LDG Event type ke. Error ellipse: s-maj=18.3km s-min=10.1km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=176.0. Felt at Arouca and Galeota. Also felt on offshore platforms east of Trinidad. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s215.00000°,δ70.00000°,λ-90.00000°. NP2:ϕ_s35.00000°,δ20.00000°,λ-90.00000°. Principal axes: T Plg25.0000°,Azm305.0000°; N Plg0.0000°,Azm0.0000°; P Plg65.0000°,Azm125.0000° Moment Tensor Solution. s97 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.77 $M_{\theta\theta}$1.17 $M_{\phi\phi}$0.60 $M_{r\theta}$0.91 $M_{\theta\phi}$0.82 $M_{\phi r}$0.84 Best double couple: NP1:ϕ_s230.00000°,δ63.00000°,λ-94.00000°. NP2:ϕ_s59.00000°,δ28.00000°,λ-83.00000°. Principal axes: T 2.1400,Plg17.0000°,Azm323.0000°; N 0.0200,Plg3.0000°,Azm232.0000°; P -2.1700,Plg72.0000°,Azm131.0000° M_o2.10000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=7.1.
IDC Error ellipse: s-maj=10.5km s-min=8.8km az=139.0.
TRN Event type fe. Felt offshore East Trinidad, IV.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 91, comp=184, per= 50. Moment Tensor Solution. s97,c166; s43,c53; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.55±.07 $M_{\theta\theta}$3.10±.06; $M_{\phi\phi}$0.45±.07; $M_{r\theta}$-0.84±.14; $M_{\theta\phi}$1.97±.05; $M_{\phi r}$1.79±.16; Best double couple: NP1:ϕ_s86.00000°,δ50.00000°,λ-54.00000°. NP2:ϕ_s218.00000°,δ52.00000°,λ-125.00000°. Principal axes: T 4.1500,Plg1.0000°,Azm332.0000°; N 0.3900,Plg27.0000°,Azm241.0000°; P -4.5400,Plg63.0000°,Azm63.0000° M_o4.40000×10^{17}
SZGRF North Atlantic Ocean.

(227) Eastern Honshu

ISC	**VII**	**03 12 30 23.9–.49**	**39.03N–.03**	**140.89E–.04**	**4–5**	**3.5b**	**24**	**0-63**
IDC	VII	03 12 30 22.2–1.5	38.96N	141.04E	0	3.4b,3.4		¶12697974
ISCJB	VII	03 12 30 23.3–.49	39.04N–.03	140.90E–.04	10–5	3.5b,3.4		
JMA	VII	03 12 30 23.5	39.04N	140.86E	10–1	3.3,3.4		

ISC Event type fe.
IDC Error ellipse: s-maj=33.7km s-min=24.0km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.7km az=7.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s231.00000°,δ45.00000°,λ111.00000°. NP2:ϕ_s22.00000°,δ49.00000°,λ70.00000°. Principal axes: T Plg75.0000°,Azm222.0000°; N Plg15.0000°,Azm35.0000°; P Plg2.0000°,Azm126.0000°

(135) Near coast of central Chile

GUC	**VII**	**03 15 19 39.2–.55**	**32.56S**	**71.48W**	**30–2**	**4.0,3.6L**		
NEIC	VII	03 15 19 39.2	32.56S	71.48W	30	3.6L,3.6L		¶12950977

GUC Error ellipse: s-maj=1.7km s-min=2.4km az=-1.0.
NEIC Event type fe. Felt [II] at La Ligua, Llaillay, Papudo, Puchuncavi, Quintero and Zapallar. After GUC.

(243) Taiwan region

ISC	**VII**	**03 16 14 34.1–.24**	**22.86N–.02**	**121.50E–.02**	**40–4**	**3.8b,3.4s**	**164**	**0-80**
NIED	VII	03 16 14 00	22.90N	121.60E	38	4.1W,3.4s		¶11008899
IDC	VII	03 16 14 27.8–.94	22.83N	121.42E	0	3.8,3.7		
BJI	VII	03 16 14 30.6	22.78N	121.40E	19	4.3b,4.3b		
ISCJB	VII	03 16 14 33.2–.24	22.86N–.02	121.53E–.02	47–3	3.8b,3.4s		
NEIC	VII	03 16 14 33.0–1.0	22.83N	121.45E	35–9	4.7L,4.2b		
TAP	VII	03 16 14 33.7	22.91N	121.45E	39–0	4.5L,4.2b		
JMA	VII	03 16 14 35.0–.20	22.91N	121.60E	89	4.0,4.2b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ84.00000°,λ-163.00000°. NP2:ϕ_s297.00000°,δ73.00000°,λ-6.00000°. M_o1.35000×10^{15}
IDC Error ellipse: s-maj=26.3km s-min=19.5km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=43.8.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=8.5km az=129.0. Recorded [3 TAP] in T'ai-tung and [2 TAP] in Hua-lien.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

(460) Wyoming

ISC	**VII**	**03 18 04 05.3–.43**	**43.73N–.04**	**105.25W–.05**	**0**		**37**	**1-61**
ISCJB	VII	03 18 04 03.6–.45	43.74N–.04	105.27W–.05	0			¶11810534
IDC	VII	03 18 04 03.2–1.9	43.50N	105.35W	0	4.5b,4.2		
NEIC	VII	03 18 04 05.3–.32	43.72N	105.26W	0	3.2L,4.2		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.9km s-min=5.5km az=44.1.
IDC Error ellipse: s-maj=49.9km s-min=8.3km az=152.0.
NEIC Event type fm. Error ellipse: s-maj=4.4km s-min=4.1km az=138.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

ISC	**VII**	**03 19 12 01.9–.32**	**35.50N–.03**	**140.97E–.05**	**35**	**4.2b,3.6s**	**91**	**0-148**
BJI	VII	03 19 11 57.7	35.66N	141.47E	34	4.7b,4.3b		¶13379314
IDC	VII	03 19 11 57.1–.54	35.47N	140.78E	0	4.3,4.2		
ISCJB	VII	03 19 11 59.6–.34	35.50N–.03	141.13E–.05	33	4.2b,3.6s		
MOS	VII	03 19 11 59.8–1.9	35.62N	140.99E	33	4.4b,3.6s		
NIED	VII	03 19 12 00	35.50N	140.90E	47	4.4W,3.6s		
NEIC	VII	03 19 12 02.3–3.8	35.47N	140.72E	35–26	4.5b,4.4W		
JMA	VII	03 19 12 02.2–.10	35.52N	140.94E	41–1	3.9,4.4W		

ISC Event type fe.
IDC Error ellipse: s-maj=16.8km s-min=12.1km az=92.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.7km az=15.1.
MOS Error ellipse: s-maj=12.5km s-min=7.3km az=98.9.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s135.00000°,δ75.00000°,λ-84.00000°. NP2:ϕ_s292.00000°,δ16.00000°,λ-112.00000°. M_o5.10000×10^{15}
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.3km az=101.0. Moment Tensor Solution. M_o5.10000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s274.00000°,δ13.00000°,λ-145.00000°. NP2:ϕ_s150.00000°,δ83.00000°,λ-80.00000°. Principal axes: T Plg37.0000°,Azm231.0000°; N Plg10.0000°,Azm329.0000°; P Plg51.0000°,Azm72.0000°

(135) Near coast of central Chile

ISC	**VII**	**03 23 04 50.5–.47**	**32.41S–.03**	**71.41W–.06**	**51–5**	**4.1b**	**61**	**1-155**
ISCJB	VII	03 23 04 49.5–.44	32.40S–.03	71.41W–.06	59–5	4.1b		¶11810563
IDC	VII	03 23 04 49.4–.85	32.37S	71.37W	47–6	3.8b,3.8		
GUC	VII	03 23 04 50.8–.62	32.48S	71.39W	42–1	4.0L,4.0		
NEIC	VII	03 23 04 50.8	32.48S	71.39W	42	4.3b,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.9km az=177.5.
IDC Error ellipse: s-maj=37.7km s-min=21.3km az=70.0.
GUC Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0.
NEIC Event type fe. Felt [III] at La Ligua and Papudo; [II] at La Calera and Puchuncavi. After GUC.

(348) Northern and central Iran

ISC	**VII**	**03 23 10 03.0–.39**	**35.59N–.01**	**58.76E–.01**	**18–2**	**5.0b,4.6s**	**1323**	**1-140**
IDC	VII	03 23 09 59.8–.38	35.51N	58.76E	0	4.9,4.9		¶13379325
SZGRF	VII	03 23 10 00.7	34.15N	58.28E	33	4.7b,4.3s		
CSEM	VII	03 23 10 01.6–.08	35.61N	58.77E	10	5.1W,5.0b		
ISCJB	VII	03 23 10 01.7–.39	35.54N–.02	58.73E–.01	24–2	5.0b,4.6s		
TEH	VII	03 23 10 01.9	35.54N	58.76E	4	5.0b,4.6s		
GCMT	VII	03 23 10 02.7–.20	35.50N	58.60E	12–0	5.2W,4.6s		
NEIC	VII	03 23 10 02.0	35.50N	58.80E	10	5.2,5.0W		
MOS	VII	03 23 10 03.2–.93	35.56N	58.70E	33	5.1b,4.3s		
THR	VII	03 23 10 06.2–.36	35.51N	58.51E	46–6	4.8L,4.3s		
NNC	VII	03 23 10 09.4–3.1	36.03N	59.75E	0	5.0b,4.3s		
BJI	VII	03 23 10 09.2	35.86N	59.39E	40	5.2b,5.1s		
DJA	VII	03 23 10 11	35.47N	58.82E	75	5.0b,5.1s		

ISC Event type de.
IDC Error ellipse: s-maj=11.3km s-min=9.0km az=1.0.
SZGRF Northern and central Iran.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=152.0.
ISCJB Event type de. Error ellipse: s-maj=2.7km s-min=1.8km az=175.9.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s61,c89; s83,c146; Moment tensor: Scale 10^{16}Nm; M_{rr}6.08±.17 $M_{\theta\theta}$-4.65±.13; $M_{\phi\phi}$-1.43±.11; $M_{r\theta}$1.07±.31; $M_{\theta\phi}$3.64±.10; $M_{\phi r}$0.08±.32; Best double couple: NP1:ϕ_s310.00000°,δ42.00000°,λ101.00000°. NP2:ϕ_s116.00000°,δ49.00000°,λ81.00000°. Principal axes: T 6.2200,Plg82.0000°,Azm331.0000°; N 0.8600,Plg7.0000°,Azm122.0000°; P -7.0800,Plg4.0000°,Azm213.0000° M_o6.70000×10^{16}
NEIC Event type de. Several houses collapsed at Katkan. After TEH. Moment Tensor Solution. s21 Moment tensor: Scale 10^{16}Nm; M_{rr}4.33 $M_{\theta\theta}$-1.67 $M_{\phi\phi}$-2.65 $M_{r\theta}$-1.09 $M_{\theta\phi}$2.04 $M_{\phi r}$1.12 Best double couple: NP1:ϕ_s320.00000°,δ55.00000°,λ88.00000°. NP2:ϕ_s144.00000°,δ35.00000°,λ93.00000°. Principal axes: T 4.6100,Plg79.0000°,Azm220.0000°; N -0.0700,Plg1.0000°,Azm321.0000°; P -4.5300,Plg9.0000°,Azm51.0000° M_o4.60000×10^{16}
MOS Error ellipse: s-maj=5.4km s-min=3.1km az=131.7.
THR Error ellipse: s-maj=2.8km s-min=5.0km az=-1.0.
NNC Error ellipse: s-maj=31.4km s-min=25.8km az=103.0.

(107) Ecuador

ISC	**VII**	**04 06 02 49.8–.18**	**1.49S–.03**	**77.59W–.03**	**192**	**4.8b**	**783**	**1-163**
IGQ	VII	04 06 02 46.3	1.48S	77.84W	211–2	4.8b,4.7s		¶13388132
MOS	VII	04 06 02 46.7–.88	1.32S	77.59W	174	5.0b,4.7s		
ISCJB	VII	04 06 02 47.9–.18	1.48S–.03	77.61W–.03	190	4.9b,4.7s		
IDC	VII	04 06 02 48.9–.57	1.43S	77.67W	183–5	4.5,4.4		
NEIC	VII	04 06 02 49.5–.17	1.42S	77.58W	190	4.9b,4.7		
GCMT	VII	04 06 02 50.6–.20	1.58S	77.91W	193–1	5.2W,4.7		

ISC Event type fe.
IGQ Error ellipse: s-maj=2.7km s-min=1.5km az=10.3.
MOS Error ellipse: s-maj=12.3km s-min=5.3km az=111.9.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.4km az=153.5.
IDC Error ellipse: s-maj=14.2km s-min=6.9km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=58.0. Felt at Bahia de Caraquez and Cuenca.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s62,c86; s85,c134; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.16±.14 $M_{\theta\theta}$2.28±.17; $M_{\phi\phi}$3.88±.21; $M_{r\theta}$1.33±.14; $M_{\theta\phi}$-4.78±.17; $M_{\phi r}$-4.35±.18; Best double couple: NP1:ϕ_s122.00000°,δ32.00000°,λ-119.00000°. NP2:ϕ_s335.00000°,δ62.00000°,λ-73.00000°. Principal axes: T 9.0900,Plg16.0000°,Azm52.0000°; N -1.2900,Plg15.0000°,Azm147.0000°; P -7.8000,Plg68.0000°,Azm278.0000° M_o8.50000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**VII**	**04 06 21 52.5–.81**	**40.36N–.04**	**142.01E–.10**	**52–6**	**3.8b**	**20**	**0-73**
NIED	VII	04 06 21 00	40.40N	142.10E	59	3.6W		¶11746866
ISCJB	VII	04 06 21 51.4–.82	40.37N–.04	142.03E–.10	57–6	3.8b		
JMA	VII	04 06 21 51.9–.10	40.36N	142.08E	50–1	3.6		
IDC	VII	04 06 21 52.4–1.6	40.79N	140.94E	0	3.8b,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s270.00000°,δ83.00000°,λ-151.00000°. NP2:ϕ_s176.00000°,δ61.00000°,λ-8.00000°. M_o2.79000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=7.3km az=8.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=33.8km s-min=24.8km az=143.0.

(254) Panay

ISC	**VII**	**04 09 00 55.7–.87**	**10.95N–.04**	**122.08E–.04**	**0–7**	**3.5b**	**23**	**1-49**
MAN	VII	04 09 00 55	10.94N	122.09E	1	4.6b,3.4L		¶12698001
ISCJB	VII	04 09 00 56.4–.82	10.91N–.05	122.10E–.04	16–9	3.5b,3.4L		
IDC	VII	04 09 01 01.0–3.9	10.49N	121.90E	59–38	4.4L,3.5		

ISC Event type fe.
MAN Event type fe. INTENSITY II - ILOILO CITY.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.8km az=31.5.
IDC Error ellipse: s-maj=58.5km s-min=18.1km az=62.0.

(460) Wyoming

ISC	**VII**	**04 20 08 21.8–.35**	**43.81N–.03**	**105.20W–.04**	**0**	**3.9b**	**59**	**1-90**
ISCJB	VII	04 20 08 20.1–.38	43.80N–.03	105.22W–.05	0	3.9b		¶11810641
IDC	VII	04 20 08 20.8–2.0	43.71N	105.33W	0	3.8b,3.8		
NEIC	VII	04 20 08 21.8–.29	43.80N	105.21W	0	3.3L,3.8		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.0km s-min=4.5km az=26.1.
IDC Error ellipse: s-maj=55.9km s-min=7.9km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=4.0km s-min=3.5km az=128.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(663) Sea of Okhotsk

ISC	**VII**	**05 02 12 06.1–.06**	**53.95N–.01**	**152.86E–.02**	**646**	**6.6b**	**2492**	**3-161**
BGS	VII	05 02 12 00.7–1.1	53.52N	154.96E	633–0	6.7s,6.5b		¶12951048
KRSC	VII	05 02 12 01.1–.60	54.12N	152.20E	594–18	6.4L,6.5b		
SZGRF	VII	05 02 12 02.3	53.73N	153.93E	635	7.5b,6.5b		
MOS	VII	05 02 12 02.3–.88	53.92N	152.90E	615	6.9b,6.5s		
BJI	VII	05 02 12 03.3	53.83N	152.95E	636	7.4b,6.7b		
IDC	VII	05 02 12 04.0–.75	53.91N	153.03E	627–9	5.9b,5.9		
NEIC	VII	05 02 12 04.5–.24	53.88N	152.89E	633–3	7.7W,7.7W		
ISCJB	VII	05 02 12 04.5–.06	53.91N–.01	152.92E–.02	644	6.6b,7.7W		
DJA	VII	05 02 12 05	54.10N	153.05E	650	7.2W,7.7W		
GCMT	VII	05 02 12 14.2–.10	54.12N	153.37E	611–1	7.7W,7.7W		

ISC Event type fe.
BGS Error ellipse: s-maj=114.5km s-min=294.6km az=-1.0.
KRSC Event type se.
SZGRF Sea of Okhotsk.
MOS Event type fe. Error ellipse: s-maj=7.5km s-min=4.6km az=97.1. Fault plane solution: P-wave C42, D307 . Felt (III-IV) at Petropavlovsk-Kamchatskiy, (III) at Severo-Kuril'sk, (II-III) at Yuzhno-Sakhalinsk, Kholmsk, Khabarovsk, Komsomol'sk-na-Amure, Uglegorsk, Shakhtersk, (II) at Okha. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s154.00000°,δ52.00000°,λ-128.00000°. NP2:ϕ_s26.00000°,δ52.00000°,λ-52.00000°. Principal axes: T Plg0.0000°,Azm90.0000°; N Plg29.0000°,Azm180.0000°; P Plg61.0000°,Azm360.0000°
IDC Error ellipse: s-maj=7.2km s-min=5.9km az=136.0.
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=182.0. Felt at Klyuchi, Petropavlovsk- Kamchatskiy and Yuzhno-Sakhalinsk, Russia. Recorded [2 JMA] in eastern and northern Hokkaido, Japan. Also recorded [2 JMA] in Miyagi and [1 JMA] in Akita, Aomori, Iwate and Yamagata, Honshu. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s23.00000°,δ60.00000°,λ-45.00000°. NP2: ϕ_s140.00000°,δ52.00000°,λ-141.00000°. Principal axes: T Plg5.0000°,Azm83.0000°; N Plg0.0000°,Azm0.0000°; P Plg52.0000°,Azm347.0000° Moment Tensor Solution. s134 Moment tensor: Scale 10^{20}Nm; M_{rr}-3.33 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$4.03 $M_{r\theta}$-2.13 $M_{\theta\phi}$-0.16 $M_{\phi r}$-0.16 Best double couple: NP1:ϕ_s152.00000°,δ51.00000°,λ-129.00000°. NP2:ϕ_s24.00000°,δ53.00000°,λ-52.00000°. Principal axes: T 4.0400,Plg0.0000°,Azm88.0000°; N 0.4900,Plg29.0000°,Azm178.0000°; P -4.5200,Plg60.0000°,Azm356.0000° M_o4.30000×10^{20} Moment Tensor Solution. M_o2.00000×10^{20}

ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.2km az=169.9.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 119 sta. Moment Tensor Solution. s121,c339; s99,c313; Moment tensor: Scale 10^{20}Nm; M_{rr}-3.26±.02 $M_{\theta\theta}$-0.77±.02; $M_{\phi\phi}$4.03±.02; $M_{r\theta}$-2.18±.01; $M_{\theta\phi}$-0.85±.02; $M_{\phi r}$-1.00±.02; Best double couple: NP1:ϕ_s143.00000°,δ48.00000° ,λ-134.00000°. NP2:ϕ_s18.00000°,δ58.00000°,λ-52.00000°. Principal axes: T 4.2400,Plg5.0000°,Azm83.0000°; N 0.4800,Plg31.0000°,Azm176.0000° ; P -4.7200,Plg58.0000°,Azm344.0000° $M_0$4.50000×10^{20}

(227) Eastern Honshu

ISC	**VII**	**05 04 14 36.7–.46**	**39.12N–.03**	**140.97E–.04**	**10–3**	**3.8b**	**39**	**0-146**
IDC	VII	05 04 14 34.8–.69	39.15N	140.94E	0	4.0,3.8b		¶11810673
ISCJB	VII	05 04 14 36.4–.45	39.13N–.03	140.99E–.04	19–4	3.8b,3.8b		
JMA	VII	05 04 14 36.6	39.11N	140.95E	9–1	4.0,3.8b		
NEIC	VII	05 04 14 40.1–.94	39.13N	140.92E	36–9	4.1b,3.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=21.1km s-min=14.3km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.5km az=19.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s35.00000°,δ42.00000°,λ70.00000°. NP2:ϕ_s241.00000°,δ51.00000°,λ107.00000°. Principal axes: T Plg76.0000°,Azm208.0000°; N Plg13.0000°,Azm50.0000°; P Plg5.0000° ,Azm319.0000°
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=8.4km az=120.0. Recorded [2 JMA] in Akita and Iwate; [1 JMA] in Miyagi.

(227) Eastern Honshu

ISC	**VII**	**05 05 21 46.1–.46**	**39.07N–.03**	**140.96E–.04**	**8–3**	**4.1b**	**37**	**0-146**
IDC	VII	05 05 21 44.4–1.0	39.06N	140.95E	0	4.1,4.0b		¶11810676
ISCJB	VII	05 05 21 45.7–.45	39.08N–.03	141.00E–.04	19–4	4.1b,4.0b		
NEIC	VII	05 05 21 46.0	39.07N	140.95E	9	4.3b,4.0b		
JMA	VII	05 05 21 45.9	39.07N	140.95E	9–1	4.0,4.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=29.8km s-min=16.8km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.8km az=9.2.
NEIC Event type fe. Recorded [3 JMA] in Iwate and [2 JMA] in Akita and Miyagi. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s262.00000°,δ33.00000°,λ124.00000°. NP2:ϕ_s44.00000°,δ63.00000°,λ70.00000°. Principal axes: T Plg66.0000°,Azm278.0000°; N Plg17.0000°,Azm53.0000°; P Plg16.0000° ,Azm148.0000°

(228) Near east coast of eastern Honshu

ISC	**VII**	**05 07 49 03.8–.09**	**36.67N–.02**	**140.80E–.02**	**51**	**5.3b,4.5s**	**1201**	**0-161**
BJI	VII	05 07 48 59.2	36.72N	141.08E	51	5.1b,5.0b		¶13388236
NIED	VII	05 07 49 00	36.70N	141.00E	53	5.1W,5.0b		
NEIC	VII	05 07 49 02.6	36.64N	140.95E	50	5.2b,5.1W		
MOS	VII	05 07 49 02.9–.76	36.99N	140.74E	45	5.5b,4.4s		
JMA	VII	05 07 49 02.5	36.64N	140.95E	50–1	5.2,4.4s		
ISCJB	VII	05 07 49 02.0–.09	36.65N–.02	140.82E–.02	49	5.3b,4.5s		
IDC	VII	05 07 49 03.3–.57	36.63N	140.96E	51–5	5.0,5.0		
SZGRF	VII	05 07 49 05.8	37.50N	141.50E	51	5.6b,5.0		
BGS	VII	05 07 49 05.8–1.4	36.91N	138.55E	33–0	5.3b,5.0		
DJA	VII	05 07 49 27	36.73N	140.69E	287	5.4W,5.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ77.00000°,λ95.00000°. NP2:ϕ_s216.00000°,δ14.00000°,λ69.00000°. $M_0$5.25000×10^{16}
NEIC Event type fe. Felt at Tokyo. Recorded [5L JMA] in Ibaraki; [4 JMA] in Tochigi; [3 JMA] in Fukushima and Gumma; [2 JMA] in Chiba, Miyagi, Saitama and Tokyo; [1 JMA] in Aomori, Iwate, Kanagawa, Nagano, Niigata, Shizouka, Yamagata and Yamanashi. After JMA. Moment Tensor Solution. $M_0$5.30000×10^{16}
MOS Error ellipse: s-maj=6.7km s-min=3.9km az=105.6.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s240.00000° ,δ31.00000°,λ131.00000°. NP2:ϕ_s15.00000°,δ67.00000°,λ68.00000°. Principal axes: T Plg62.0000°,Azm251.0000°; N Plg20.0000°,Azm24.0000°; P Plg19.0000°,Azm121.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=157.3.
IDC Error ellipse: s-maj=8.7km s-min=7.6km az=154.0.
SZGRF Near east coast of eastern Honshu, Japan.
BGS Error ellipse: s-maj=247.0km s-min=579.0km az=-1.0.

(221) Kuril Islands

ISC	**VII**	**05 10 34 55.7–.65**	**43.32N–.05**	**146.91E–.06**	**61–5**	**4.3b**	**84**	**1-83**
ISCJB	VII	05 10 34 54.3–.70	43.29N–.05	146.92E–.06	68–5	4.2b		¶11341984
MOS	VII	05 10 34 54.0–.88	43.32N	147.03E	69	4.8b		
JMA	VII	05 10 34 55.8–.20	43.25N	146.84E	59–2	4.5		
SKHL	VII	05 10 34 55.0–.70	43.25N	147.05E	56–16	5.5b		
BJI	VII	05 10 34 56.4	43.03N	146.61E	62	5.0b,4.6b		
NEIC	VII	05 10 34 57.4–.45	43.33N	146.94E	81	4.3b,4.6b		
IDC	VII	05 10 34 57.5–.81	43.32N	146.93E	81–8	4.0,3.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.2km az=137.4.
MOS Error ellipse: s-maj=13.1km s-min=8.6km az=101.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=7.6km az=138.0. Recorded [1 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=15.1km s-min=14.2km az=31.0.

(117) Southern Peru

ISC	**VII**	**05 13 28 06.7–1.1**	**15.56S–.09**	**72.9W–.10**	**98–11**	**4.3b**	**33**	**5-170**
ISCJB	VII	05 13 28 05.4–1.3	15.53S–.09	72.9W–.10	104–12	4.3b		¶11009344
NEIC	VII	05 13 28 07.1–1.0	15.59S	73.09W	102–9	4.6b		
IDC	VII	05 13 28 08.1–1.8	15.65S	73.14W	110–16	3.9,3.8		
BJI	VII	05 13 28 11.0	15.60S	73.10W	102	4.7b,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=21.5km s-min=9.1km az=140.9.
NEIC Event type fe. Error ellipse: s-maj=15.1km s-min=8.1km az=54.0. Felt [II] at Caraveli and Pausa.
IDC Error ellipse: s-maj=29.6km s-min=12.8km az=52.0.

(460) Wyoming

ISC	**VII**	**05 14 35 32.7–.38**	**44.12N–.04**	**105.29W–.05**	**0**		**50**	**1-89**
ISCJB	VII	05 14 35 30.9–.42	44.13N–.04	105.31W–.05	0			¶11810710
NEIC	VII	05 14 35 32.6–.41	44.11N	105.28W	0	3.1L		
IDC	VII	05 14 35 32.8–1.0	44.47N	105.92W	0	3.8b,3.7		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.7km s-min=5.2km az=6.4.
NEIC Event type fm. Error ellipse: s-maj=6.1km s-min=5.2km az=164.0. 25 km [15 miles] SE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=28.2km s-min=8.8km az=144.0.

(315) India-Bangladesh border region

ISC	**VII**	**05 16 55 54.3–.31**	**24.40N–.03**	**88.47E–.03**	**35**	**4.0b**	**78**	**2-65**
BJI	VII	05 16 55 49.4	24.25N	88.53E	30	4.4b,4.2b		¶13388268
IDC	VII	05 16 55 49.7–1.1	24.40N	88.33E	0	4.0,3.9b		
ISCJB	VII	05 16 55 52.0–.34	24.36N–.03	88.43E–.03	33	4.0b,3.9b		
DMN	VII	05 16 55 52.8–.64	24.39N	88.55E	10–0	4.8L,3.9b		
NEIC	VII	05 16 55 54.3–.35	24.39N	88.48E	35	4.2b,3.9b		
NDI	VII	05 16 55 55.2–5.4	24.41N	88.47E	39–186	4.2b,4.1L		

ISC Event type fe.
IDC Error ellipse: s-maj=39.4km s-min=16.5km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.9km az=140.2.
DMN Event type ke. Error ellipse: s-maj=14.5km s-min=12.0km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=5.9km az=55.0. Felt at Chapainawabganj, Naogaon, Natore and Rajshahi, Bangladesh. Also felt at Birbhum, Burdwan, Malda and Murshidabad, India.
NDI Error ellipse: s-maj=10.7km s-min=10.2km az=-1.0.

(136) Central Chile

ISC	**VII**	**05 17 42 33.7–.63**	**28.17S–.04**	**70.5W–.10**	**68–9**	**4.2b**	**31**	**1-152**
IDC	VII	05 17 42 31.8–.88	27.81S	70.73W	61–5	4.2b,3.9		¶11810718
GUC	VII	05 17 42 33.2–.66	28.18S	70.49W	70–7	4.5L,4.3		
NEIC	VII	05 17 42 33.2	28.18S	70.49W	70	4.3,4.3		

ISC Event type fe.
IDC Error ellipse: s-maj=31.1km s-min=14.0km az=68.0.
GUC Error ellipse: s-maj=3.6km s-min=31.6km az=-1.0.
NEIC Event type fe. Felt [III] at Copiapo. After GUC.

(460) Wyoming

ISC	**VII**	**05 18 04 28.9–.34**	**43.82N–.03**	**105.20W–.04**	**0**	**4.0b**	**80**	**1-90**
ISCJB	VII	05 18 04 26.9–.38	43.85N–.03	105.18W–.05	0	4.0b		¶11810720
NEIC	VII	05 18 04 28.7–.31	43.82N	105.19W	0	3.5L		
IDC	VII	05 18 04 29.6–.88	44.16N	105.74W	0	3.9,3.9b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=3.5km az=20.0.
NEIC Event type fm. Error ellipse: s-maj=4.3km s-min=4.0km az=129.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.9km s-min=8.4km az=145.0.

(221) Kuril Islands

ISC	**VII**	**06 01 00 09.1–.08**	**45.33N–.02**	**151.16E–.02**	**23**	**5.5b,5.5s**	**1747**	**2-154**
NIED	VII	06 01 00 00	45.30N	151.50E	17	5.7W,5.5s		¶12951080
BGS	VII	06 01 00 04.3–1.4	45.13N	152.78E	10–0	5.7b,5.4s		
JMA	VII	06 01 00 06.1–.70	45.34N	151.53E	30	5.7,5.4s		
ISCJB	VII	06 01 00 06.8–.08	45.23N–.02	151.22E–.01	22	5.5b,5.5s		
BJI	VII	06 01 00 07.0	45.33N	150.95E	18	5.6s,5.6b		
SKHL	VII	06 01 00 07.5–1.8	45.15N	151.50E	46–15	6.3s,6.1b		
NEIC	VII	06 01 00 08.8–.11	45.35N	151.04E	22	5.7W,5.6W		
DJA	VII	06 01 00 08	45.33N	151.41E	23	5.9W,5.6W		
MOS	VII	06 01 00 09.3–.97	45.36N	151.10E	36	5.8b,5.5s		
IDC	VII	06 01 00 11.6–.38	45.41N	151.04E	43–3	5.4,5.4s		
GCMT	VII	06 01 00 13.9–.10	45.29N	151.39E	22–0	5.7W,5.4s		
SZGRF	VII	06 01 00 19.9	46.54N	150.28E	33	6.0b,5.9s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ49.00000°,λ72.00000°. NP2:ϕ_s234.00000°,δ45.00000°,λ110.00000°. $M_0$3.95000×10^{17}
BGS Error ellipse: s-maj=184.8km s-min=587.1km az=-1.0.
JMA Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.3km az=163.7.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.2km az=164.0. Moment Tensor Solution. s88 Moment tensor: Scale 10^{17}Nm; M_{rr}1.91 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-1.64 $M_{r\theta}$1.50 $M_{\theta\phi}$-0.05 $M_{\phi r}$1.94 Best double couple: NP1:ϕ_s29.00000°,δ73.00000°,λ102.00000°. NP2:ϕ_s172.00000° ,δ21.00000°,λ55.00000°. Principal axes: T 3.2900,Plg60.0000°,Azm316.0000° ; N -0.5900,Plg11.0000°,Azm205.0000°; P -2.7000,Plg26.0000°,Azm109.0000° $M_0$3.00000×10^{17}
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=100.9. Felt (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
IDC Error ellipse: s-maj=12.8km s-min=10.0km az=130.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=227, per= 50. Moment Tensor Solution. s95,c188; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}3.70±.06 $M_{\theta\theta}$-1.71±.04; $M_{\phi\phi}$-2.00±.04; $M_{r\theta}$1.23±.08; $M_{\theta\phi}$-2.37±.03; $M_{\phi r}$2.32±.08; Best double couple: NP1:ϕ_s234.00000°,δ30.00000°,λ107.00000°. NP2:ϕ_s34.00000°,δ62.00000°,λ80.00000°. Principal axes: T 4.5500,Plg71.0000°,Azm282.0000°; N 0.4200,Plg8.0000°,Azm39.0000° ; P -4.9800,Plg16.0000°,Azm131.0000° $M_0$4.80000×10^{17}
SZGRF Kuril Islands, Russia.

(228) Near east coast of eastern Honshu

JMA	**VII**	**06 04 12 18.0–.10**	**36.64N**	**140.95E**	**49–1**	**3.8**		
								¶13503978

JMA Event type fe.

(221) Kuril Islands

ISC	**VII**	**06 09 08 24.7–.08**	**45.29N–.02**	**151.11E–.01**	**45**	**5.8b,5.5s**	**2013**	**2-155**
NIED	VII	06 09 08 00	45.40N	151.30E	14	5.7W,5.5s		¶12951070
BJI	VII	06 09 08 18.5	45.35N	150.94E	10	6.0b,5.9b		
SKHL	VII	06 09 08 19.5–2.6	44.97N	151.54E	55–24	6.5b,6.3s		
JMA	VII	06 09 08 20.5–.50	45.40N	151.29E	30	6.1,6.3s		
BGS	VII	06 09 08 21.5–1.1	45.63N	151.34E	10–0	6.1b,5.4s		
NEIC	VII	06 09 08 21.3–.11	45.39N	150.97E	17	5.8b,5.7W		
SZGRF	VII	06 09 08 21.9	45.16N	151.25E	33	6.4b,6.0s		
ISCJB	VII	06 09 08 22.6–.08	45.22N–.02	151.16E–.01	43	5.8b,5.5s		
MOS	VII	06 09 08 22.7–1.0	45.38N	151.02E	40	6.0b,5.6s		
IDC	VII	06 09 08 24.5–.41	45.44N	151.06E	41–3	5.6,5.6s		
GCMT	VII	06 09 08 26.9–.10	45.28N	151.26E	24–0	5.7W,5.6s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ58.00000°,λ73.00000°. NP2:ϕ_s241.00000°,δ36.00000°,λ115.00000°. $M_0$4.09000×10^{17}
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
BGS Error ellipse: s-maj=125.4km s-min=330.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.1km az=162.0. Recorded [1 JMA] in southeastern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s35.00000°,δ70.00000°,λ80.00000°. NP2: ϕ_s242.00000°,δ22.00000°,λ116.00000°. Principal axes: T Plg64.0000°,Azm289.0000° ; N Plg0.0000°,Azm0.0000°; P Plg24.0000°,Azm133.0000°
SZGRF Kuril Islands, Russia.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.3km az=163.7.
MOS Error ellipse: s-maj=6.0km s-min=3.9km az=99.6.
IDC Error ellipse: s-maj=13.4km s-min=10.0km az=126.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=227, per= 50. Moment Tensor Solution. s93,c188; s16,c17; Moment tensor: Scale 10^{17}Nm; M_{rr}3.63±.07 $M_{\theta\theta}$-1.90±.05; $M_{\phi\phi}$-1.73±.05; $M_{r\theta}$1.36±.08; $M_{\theta\phi}$-2.34±.04; $M_{\phi r}$2.62±.09; Best double couple: NP1:ϕ_s240.00000°,δ28.00000°,λ113.00000°. NP2:ϕ_s34.00000°,δ64.00000°,λ78.00000°. Principal axes: T 4.7200,Plg69.0000°,Azm281.0000°; N 0.3500,Plg11.0000°,Azm39.0000° ; P -5.0700,Plg18.0000°,Azm133.0000° $M_0$4.90000×10^{17}

(248) Philippine Islands region

ISC	**VII**	**06 12 01 32.5–.11**	**15.40N–.01**	**122.43E–.02**	**28**	**5.3b,5.0s**	**706**	**1-170**
IDC	VII	06 12 01 27.3–.36	15.31N	122.52E	0	5.2L,5.0b		¶13388333
MAN	VII	06 12 01 29	15.40N	122.38E	1	5.8b,5.4s		
ISCJB	VII	06 12 01 30.7–.11	15.41N–.01	122.45E–.02	26	5.3b,5.0s		
BJI	VII	06 12 01 30.0	15.37N	122.49E	23	5.3s,5.2b		
SZGRF	VII	06 12 01 31.3	15.54N	123.05E	28	5.3b,5.3s		
MOS	VII	06 12 01 31.4–1.1	15.38N	122.46E	33	5.5b,5.0s		
NEIC	VII	06 12 01 31.7–.13	15.29N	122.42E	26	5.4b,5.0s		
GCMT	VII	06 12 01 32.4–.10	15.38N	122.47E	17–0	5.4W,5.0s		
DJA	VII	06 12 01 43	15.32N	122.49E	140	5.4W,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=12.4km s-min=9.1km az=80.0.
MAN Event type fe. INTENSITY IV - BALER AURORA; DAET CAMARINES; LABO CAMARINES NORTE; GABALDON NUEVA ECIJA; PLARIDEL BULACAN; POLILIO ISLAND; MANILA; INTENSITY III - QUEZON CITY; MAKATI CITY; TAGUIG CITY; PARANAQUE; PASIG CITY; INFANTA QUEZON; TARLAC CITY; DINGALAN AURORA.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=175.0.
SZGRF Philippine Islands region.
MOS Error ellipse: s-maj=7.5km s-min=4.6km az=116.1.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.5km az=85.0. Felt [IV PIVS] at Baler, Daet, Gabaldon, Labo, Manila and Plaridel; [III PIVS] at Infanta, Makati, Paranaque, Pasay, Pasig, Quezon City, Taguig and Tarlac; [II PIVS] at Angeles, Baguio, Cabanatuan, Cainta, Clark Field, Guinayangan, Munoz, Rodriguez, San Jose del Monte and Talavera; [I PIVS] at Gapan, Luzon.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves from 100 sta. Moment Tensor Solution. s62,c90; s99,c191; Moment tensor: Scale 10^{17}Nm; M_{rr}0.73±.03 $M_{\theta\theta}$0.61±.02; $M_{\phi\phi}$-1.33±.03; $M_{r\theta}$-0.48±.06; $M_{\theta\phi}$0.56±.02; $M_{\phi r}$0.93±.07; Best double couple: NP1: ϕ_s197.00000°,δ31.00000°,λ138.00000°. NP2:ϕ_s325.00000°,δ70.00000°,λ66.00000°. Principal axes: T 1.2200,Plg58.0000°,Azm203.0000°; N 0.6600,Plg22.0000°,Azm334.0000° ; P -1.8800,Plg21.0000°,Azm73.0000° $M_0$1.60000×10^{17}

(248) Philippine Islands region

ISC	**VII**	**06 12 46 56.9–.16**	**15.38N–.02**	**122.49E–.03**	**28**	**5.0b,4.0s**	**400**	**1-170**
IDC	VII	06 12 46 51.7–.41	15.26N	122.54E	0	4.8,4.8		¶13388335
ISCJB	VII	06 12 46 54.8–.17	15.36N–.02	122.52E–.03	27	5.0b,4.0s		
BJI	VII	06 12 46 54.8	15.25N	122.48E	29	4.9b,4.6b		
NEIC	VII	06 12 46 56.0–.15	15.25N	122.49E	27	5.1b,4.6b		
MAN	VII	06 12 46 56	15.41N	122.39E	15	5.7b,5.2s		
SZGRF	VII	06 12 46 56.1	15.41N	123.09E	33	5.0b,5.2s		
GCMT	VII	06 12 46 56.5–.40	15.41N	122.67E	31–1	5.0W,5.2s		
MOS	VII	06 12 46 56.9–.84	15.56N	122.46E	33	5.3b,5.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.0km s-min=9.8km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=168.5.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=79.0. Felt [III PIVS] at Labo and [I PIVS] at Dingalan and Quezon City, Luzon. Felt [III] at Manila. Also felt at Angeles, Antipolo, Cabanatuan, Cainta and San Pedro.
MAN Event type fe. INTENSITY III - CAMARINES NORTE; GABALDON NUEVA ECIJA; INTENSITY II - DINGALAN AURORA; INTENSITY I - QUEZON CITY.
SZGRF Philippine Islands region.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s25,c29; s57,c74; Moment tensor: Scale 10^{16}Nm; M_{rr}3.95±.31 $M_{\theta\theta}$-0.49±.17; $M_{\phi\phi}$-3.46±.18; $M_{r\theta}$0.09±.22; $M_{\theta\phi}$0.39±.09; $M_{\phi r}$1.66±.18; Best double couple: NP1:ϕ_s169.00000°,δ33.00000°,λ84.00000°.

NP2:ϕ_s356.00000°,δ57.00000°,λ94.00000°. Principal axes: T 4.3100,Plg78.0000° ,Azm280.0000°; N -0.4500,Plg3.0000°,Azm174.0000°; P -3.8600,Plg12.0000°,Azm84.0000° $M_0$4.10000×10^{16}

MOS Error ellipse: s-maj=9.7km s-min=5.5km az=121.6.

(212) Bonin Islands region

ISC	**VII**	**06 17 05 21.3–.10**	**27.88N–.02**	**142.22E–.02**	**56**	**5.0b,4.1s**	**720**	**1-150**
NIED	VII	06 17 05 00	27.80N	142.30E	32	4.9W,4.1s		**¶13388357**
MOS	VII	06 17 05 16.5–1.1	27.82N	142.24E	30	5.3b,4.1s		
BJI	VII	06 17 05 18.1	27.75N	142.31E	56	4.8b,4.7b		
SZGRF	VII	06 17 05 18.8	27.95N	142.56E	55	4.8b,4.7b		
ISCJB	VII	06 17 05 19.7–.10	27.90N–.02	142.20E–.02	54	5.0b,4.1s		
IDC	VII	06 17 05 20.7–.49	27.75N	142.22E	56–4	4.8,4.7		
NEIC	VII	06 17 05 20.4–.88	27.76N	142.25E	52–7	5.0b,4.9W		
JMA	VII	06 17 05 21.0–.10	27.75N	141.73E	50	5.7,4.9W		
GCMT	VII	06 17 05 23.6–.20	27.81N	142.40E	51–2	5.1W,4.9W		
DJA	VII	06 17 05 28	27.86N	142.03E	109	5.5W,4.9W		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s168.00000°,δ85.00000°,λ7.00000°. NP2:ϕ_s78.00000°,δ83.00000°,λ175.00000°. $M_0$2.82000×10^{16}

MOS Error ellipse: s-maj=8.8km s-min=4.8km az=104.4.

SZGRF Bonin Islands, Japan, region.

ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.3km az=168.5.

IDC Error ellipse: s-maj=14.0km s-min=6.3km az=87.0.

NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.2km az=142.0. Recorded [2 JMA] in the Chichijima-retto and [1 JMA] in the Hahajima-retto. Moment Tensor Solution. $M_0$2.80000×10^{16}

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s44,c67; s86,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}0.48±.19 $M_{\theta\theta}$2.32±.15; $M_{\phi\phi}$-2.80±.15; $M_{r\theta}$-1.21±.13; $M_{\theta\phi}$-3.20±.10; $M_{\phi r}$3.13±.14; Best double couple: NP1:ϕ_s249.00000°,δ51.00000°,λ175.00000°. NP2:ϕ_s342.00000°,δ86.00000°,λ40.00000°. Principal axes: T 5.2700,Plg30.0000° ,Azm214.0000°; N 0.0900,Plg50.0000°,Azm347.0000°; P -5.3600,Plg24.0000° ,Azm109.0000° $M_0$5.30000×10^{16}

(39) Central California

ISC	**VII**	**06 20 25 54.0–1.0**	**35.65N–.03**	**120.68W–.05**	**12–6**		**36**	**1-4**
ISCJB	VII	06 20 25 53.2–.99	35.65N–.03	120.70W–.05	8–6			**¶11810823**
NEIC	VII	06 20 25 54.5	35.64N	120.76W	6	3.7W		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.9km az=145.6.

NEIC Event type fe. Felt at Paso Robles. After NCEDC. Moment Tensor Solution. $M_0$4.00000×10^{14}

(159) North Island

WEL	**VII**	**06 21 04 39.9–.08**	**39.59S**	**176.97E**	**30–0**	**3.7L**		
								¶11207286

WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.8km az=90.0. Felt in the Hawke"s Bay region, maximum reported intensity MM 4.

(108) Off coast of northern Peru

ISC	**VII**	**06 23 16 06.2–1.8**	**9.04S–.07**	**79.2W–.20**	**75–17**	**4.0b**	**26**	**2-136**
ISCJB	VII	06 23 16 02.6–2.1	9.04S–.07	79.3W–.20	56–21	4.1b,2.9s		**¶11109373**
NEIC	VII	06 23 16 02.0	9.24S	79.46W	55	4.3b,2.9s		
IDC	VII	06 23 16 04.7–3.3	9.21S	79.44W	47–34	4.0,4.0L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=30.0km s-min=8.7km az=164.8.

NEIC Event type fe. Felt [II] at Chimbote. After LIM.

IDC Error ellipse: s-maj=43.2km s-min=8.7km az=78.0.

(162) South Island

WEL	**VII**	**06 23 58 29.6–.09**	**43.11S**	**170.93E**	**5**	**3.9L**		
NEIC	VII	06 23 58 29.7	43.11S	170.93E	6	3.9L		**¶11207292**

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0. Felt from West Coast to Canterbury, maximum reported intensity MM 4.

NEIC Event type se. After WEL.

(224) Hokkaido region

ISC	**VII**	**07 05 49 10.8–1.2**	**43.07N–.07**	**145.71E–.07**	**88–9**		**22**	**0-3**
ISCJB	VII	07 05 49 10.2–1.2	43.07N–.07	145.72E–.07	91–9			**¶13504334**
JMA	VII	07 05 49 11.7–.10	43.08N	145.65E	86–1	3.8		
SKHL	VII	07 05 49 12.0–.40	43.05N	145.82E	77–8	4.9b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=13.5km s-min=6.4km az=147.5.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(227) Eastern Honshu

ISC	**VII**	**07 06 14 17.3–.51**	**39.03N–.03**	**140.91E–.04**	**2–5**	**3.6b**	**26**	**0-146**
NIED	VII	07 06 14 00	39.00N	140.90E	5	3.8W		**¶11746911**
IDC	VII	07 06 14 13.8–1.5	39.30N	140.96E	0	3.8,3.6b		
ISCJB	VII	07 06 14 16.7–.51	39.04N–.03	140.92E–.04	12–5	3.6b,3.6b		
NEIC	VII	07 06 14 17.1	39.04N	140.89E	10	4.2,3.6b		
JMA	VII	07 06 14 17.0	39.04N	140.89E	10–1	4.0,3.6b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ68.00000°,λ47.00000°. NP2:ϕ_s88.00000°,δ47.00000°,λ150.00000°. $M_0$6.03000×10^{14}

IDC Error ellipse: s-maj=30.1km s-min=27.9km az=120.0.

ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.9km az=14.7.

NEIC Event type fe. Recorded [2 JMA] in Akita, Iwate and Miyagi. After JMA.

JMA Event type fe.

(277) Jawa

ISC	**VII**	**07 06 34 37.1–.54**	**8.15S–.06**	**107.89E–.04**	**74–5**	**4.3b**	**69**	**1-155**
IDC	VII	07 06 34 27.5–.68	7.99S	107.75E	0	4.5,4.4		**¶11103520**
NEIC	VII	07 06 34 32.6–.37	7.98S	107.81E	35	4.6b,4.4		
DJA	VII	07 06 34 34	8.38S	107.84E	18	5.1,4.4		
ISCJB	VII	07 06 34 35.7–.57	8.12S–.07	107.90E–.04	78–5	4.3b,4.4		

ISC Event type fe.

NEIC Event type fe. Felt [II] at Pangandaran.

ISCJB Event type fe.

(227) Eastern Honshu

ISC	**VII**	**07 18 45 19.3–.49**	**38.76N–.03**	**140.80E–.03**	**2–6**	**3.5b**	**24**	**0-62**
ISCJB	VII	07 18 45 18.9–.54	38.76N–.03	140.81E–.04	12–4	3.5b		**¶12698069**
JMA	VII	07 18 45 19.3	38.77N	140.78E	4–1	3.2		
IDC	VII	07 18 45 19.0–2.6	38.54N	141.00E	0	3.6,3.4b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.5km az=146.1.

JMA Event type fe.

IDC Error ellipse: s-maj=50.4km s-min=23.3km az=160.0.

(227) Eastern Honshu

ISC	**VII**	**07 20 22 29.5–.48**	**38.87N–.03**	**140.79E–.03**	**3–5**	**3.7b**	**31**	**0-63**
NIED	VII	07 20 22 00	38.90N	140.80E	5	3.5W		**¶11746927**
IDC	VII	07 20 22 27.0–2.0	38.98N	141.08E	0	3.5b,3.5		
NEIC	VII	07 20 22 28.7–1.1	38.98N	141.00E	10	4.1b,3.5		
ISCJB	VII	07 20 22 29.1–.58	38.87N–.03	140.80E–.04	12–4	3.7b,3.5		
JMA	VII	07 20 22 29.4	38.87N	140.78E	4–1	3.5,3.5		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ61.00000°,λ136.00000°. NP2:ϕ_s336.00000°,δ53.00000°,λ38.00000°. $M_0$2.24000×10^{14}

IDC Error ellipse: s-maj=36.9km s-min=30.0km az=97.0.

NEIC Event type se. Error ellipse: s-maj=26.0km s-min=12.5km az=91.0.

ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.5km az=151.5.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s147.00000°,δ71.00000°,λ11.00000°. NP2:ϕ_s53.00000°,δ80.00000°,λ161.00000°. Principal axes: T Plg21.0000°,Azm9.0000°; N Plg68.0000°,Azm206.0000°; P Plg6.0000° ,Azm101.0000°

(7) Andreanof Islands

ISC	**VII**	**07 22 43 51.4–.10**	**51.96N–.02**	**177.06W–.02**	**70**	**5.1b**	**1109**	**1-161**
MOS	VII	07 22 43 45.7–.92	52.01N	177.02W	33	5.3b,4.3s		**¶13388447**
DJA	VII	07 22 43 46	52.16N	175.34W	77	5.4b,4.3s		
BJI	VII	07 22 43 48.5	52.41N	177.05W	60	5.4b,5.2b		
ISCJB	VII	07 22 43 49.5–.10	51.94N–.03	177.04W–.02	68	5.1b,5.2b		
NEIC	VII	07 22 43 50.8–.13	51.94N	177.06W	67	5.3b,5.2W		
GCMT	VII	07 22 43 51.8–.10	51.77N	176.95W	69–2	5.3W,5.2W		
IDC	VII	07 22 43 51.3–.36	51.96N	176.94W	72–2	4.8,4.8		
SZGRF	VII	07 22 44 01.6	53.75N	177.72W	79	5.0b,4.8		

ISC Event type fe.

MOS Error ellipse: s-maj=7.0km s-min=4.5km az=89.4.

ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.5km az=2.9.

NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.1km az=180.0. Felt on Adak. Moment Tensor Solution. s20 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.36 $M_{\theta\theta}$2.74 $M_{\phi\phi}$0.62 $M_{r\theta}$-8.08 $M_{\theta\phi}$-1.90 $M_{\phi r}$-2.06 Best double couple: NP1:ϕ_s319.00000°,δ17.00000°,λ-34.00000°. NP2: ϕ_s82.00000°,δ81.00000°,λ-104.00000°. Principal axes: T 8.3500,Plg34.0000°,Azm183.0000° ; N 1.3400,Plg14.0000°,Azm83.0000°; P -9.6900,Plg52.0000°,Azm334.0000° $M_0$9.10000×10^{16}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s76,c123; s99,c183; Moment tensor: Scale 10^{17}Nm; M_{rr}0.20±.02 $M_{\theta\theta}$-0.11±.03; $M_{\phi\phi}$-0.09±.02; $M_{r\theta}$-1.00±.02; $M_{\theta\phi}$-0.30±.02; $M_{\phi r}$-0.10±.02; Best double couple: NP1: ϕ_s10.00000°,δ17.00000°,λ19.00000°. NP2:ϕ_s262.00000°,δ85.00000°,λ106.00000°. Principal axes: T 1.0700,Plg48.0000°,Azm189.0000°; N -0.0100,Plg16.0000°,Azm81.0000° ; P -1.0600,Plg38.0000°,Azm338.0000° $M_0$1.10000×10^{17}

IDC Error ellipse: s-maj=11.0km s-min=7.5km az=166.0.

SZGRF Andreanof Islands, Aleutian Islands, United States.

(139) Mendoza Province

GUC	**VII**	**07 23 17 02.5–.78**	**32.95S**	**69.06W**	**10–4**	**3.8,3.2L**		
NEIC	VII	07 23 17 02.5	32.95S	69.06W	10	3.2L,3.2L		**¶12951101**

GUC Error ellipse: s-maj=2.7km s-min=3.9km az=-1.0.

NEIC Event type fe. Felt [III] at Mendoza. After GUC.

(144) Southern Chile

GUC	**VII**	**07 23 57 10.0–.30**	**42.06S**	**72.50W**	**8–1**	**3.5L**		
NEIC	VII	07 23 57 10.0	42.06S	72.50W	8	4.0b,3.5L		**¶12951100**

GUC Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0.

NEIC Event type fe. Felt [III] at Hornopiren. After GUC.

(248) Philippine Islands region

ISC	**VII**	**08 01 41 55.7–.17**	**15.40N–.02**	**122.45E–.03**	**31**	**4.9b,4.5s**	**322**	**1-169**
BJI	VII	08 01 41 51.6	15.22N	122.48E	21	4.9s,4.8b		**¶13388457**
MAN	VII	08 01 41 52	15.43N	122.41E	3	5.8b,5.4s		
NEIC	VII	08 01 41 53.3–2.0	15.33N	122.49E	18–12	4.9b,5.4s		
MOS	VII	08 01 41 53.8–1.1	15.28N	122.49E	33	5.2b,4.7s		
ISCJB	VII	08 01 41 53.7–.18	15.40N–.02	122.48E–.03	29	4.9b,4.5s		
IDC	VII	08 01 41 55.4–.60	15.31N	122.49E	33–4	4.6,4.5		
TEH	VII	08 01 41 56.0	15.38N	122.50E	35	4.6,4.5		
GCMT	VII	08 01 41 56.1–.20	15.39N	122.45E	18–1	5.1W,4.5		

ISC Event type fe.

MAN Event type fe. INTENSITY IV - BALER AURORA; QUEZON CITY; MANILA CITY; GABALDON.

NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.5km az=83.0. Felt [IV PIVS] at Baler, Gabaldon, Manila and Quezon City; [III PIVS] at Baguio, Dingalan, La Trinidad, Makati, Pasig and Taguig; [II PIVS] at Carmona and Lucban, Luzon.

MOS Error ellipse: s-maj=10.8km s-min=5.5km az=120.1.

ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.9km az=175.1.

IDC Error ellipse: s-maj=13.6km s-min=9.8km az=86.0.

GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s44,c52; s90,c156; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.38±.14 $M_{\theta\theta}$3.09±.12; $M_{\phi\phi}$-2.71±.12; $M_{r\theta}$-1.45±.28; $M_{\theta\phi}$3.48±.09; $M_{\phi r}$4.10±.43; Best double couple: NP1:ϕ_s104.00000°,δ61.00000°,λ-19.00000°. NP2:ϕ_s203.00000°,δ73.00000°,λ-150.00000°. Principal axes: T 4.7800,Plg8.0000° ,Azm331.0000°; N 2.3500,Plg56.0000°,Azm229.0000°; P -7.1200,Plg33.0000°,Azm66.0000° $M_0$6.00000×10^{16}

(238) Ryukyu Islands

ISC	**VII**	**08 07 42 11.9–.06**	**27.56N–.01**	**128.37E–.01**	**50**	**6.0b,5.6s**	**1840**	**1-175**
NIED	VII	08 07 42 00	27.50N	128.50E	53	6.0W,5.6s		**¶13388476**
BJI	VII	08 07 42 04.0	27.18N	128.95E	43	5.9b,5.7s		
MOS	VII	08 07 42 08.0–1.0	27.57N	128.43E	33	6.2b,5.9s		
JMA	VII	08 07 42 10.5–.10	27.47N	128.55E	45–2	6.1,5.9s		
ISCJB	VII	08 07 42 10.3–.06	27.55N–.01	128.34E–.01	48	6.0b,5.6s		
IDC	VII	08 07 42 10.9–.41	27.55N	128.37E	46–3	5.6b,5.5		
NEIC	VII	08 07 42 10.7–.10	27.53N	128.33E	43	6.0b,6.0W		
SZGRF	VII	08 07 42 11.5	27.53N	128.88E	58	6.4b,6.3s		
TEH	VII	08 07 42 12.0	27.52N	128.39E	49	6.4b,6.3s		
DJA	VII	08 07 42 12	27.72N	128.58E	68	6.4W,6.3s		
GCMT	VII	08 07 42 13.5–.10	27.31N	128.65E	51–0	6.0W,6.3s		
BGS	VII	08 07 42 14.7–1.4	28.24N	127.17E	40–0	5.8s,5.5b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ80.00000°,λ85.00000°. NP2:ϕ_s248.00000°,δ11.00000°,λ116.00000°. $M_0$1.05000×10^{18}

MOS Error ellipse: s-maj=6.6km s-min=3.7km az=113.2.

JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=139.6.

IDC Error ellipse: s-maj=11.5km s-min=9.5km az=86.0.

NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=162.0. Felt [V] at Ishikawa; [IV] at Chatan, Ginowan, Gushikawa and Okinawa; [III] at Nago, Naha and Yomitan. Also felt at Itoman, Nishihara and Urasoe. Recorded [5L JMA] on Yoron-jima; [4 JMA] on Okinawa and Okino-erabu-shima; [3 JMA] on Tokuno-shima; [2 JMA] on Amami-oshima and Kikaiga-shima; [1 JMA] on Kume-jima and Nakano-shima. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s94 Moment tensor: Scale 10^{18}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.47 $M_{\theta\phi}$-0.63 $M_{\phi r}$0.51 Best double couple: NP1:ϕ_s43.00000°,δ61.00000°,λ89.00000°. NP2: ϕ_s224.00000°,δ29.00000°,λ91.00000°. Principal axes: T 1.2600,Plg73.0000°,Azm311.0000° ; N 0.1000,Plg0.0000°,Azm43.0000°; P -1.3600,Plg16.0000°,Azm133.0000° $M_0$1.30000×10^{18} Moment Tensor Solution. $M_0$1.10000×10^{18}

SZGRF Ryukyu Islands, Japan.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=122, comp=266, per= 50. Moment Tensor Solution. s114,c256; s78,c114; Moment tensor: Scale 10^{18}Nm; M_{rr}1.05±.01 $M_{\theta\theta}$-0.40±.01; $M_{\phi\phi}$-0.65±.01; $M_{r\theta}$0.32±.01; $M_{\theta\phi}$-0.56±.01; $M_{\phi r}$0.33±.01; Best double couple: NP1:ϕ_s216.00000°,δ34.00000°,λ86.00000°. NP2:ϕ_s41.00000°,δ57.00000°,λ92.00000°. Principal axes: T 1.1500,Plg78.0000°,Azm319.0000°; N 0.0500,Plg2.0000°,Azm219.0000° ; P -1.1900,Plg12.0000°,Azm129.0000° $M_0$1.20000×10^{18}

BGS Error ellipse: s-maj=226.3km s-min=439.5km az=-1.0.

(117) Southern Peru

ISC	**VII**	**08 09 13 07.6–.13**	**15.99S–.03**	**71.75W–.02**	**123**	**5.8b**	**1271**	**1-177**
BGS	VII	08 09 12 54.7–1.7	18.50S	72.83W	123–0	5.6b		**¶12951128**
DJA	VII	08 09 12 55	16.19S	71.82W	10	6.1b		
MOS	VII	08 09 13 04.6–.97	15.80S	71.84W	102	6.0b,5.4s		
ISCJB	VII	08 09 13 06.0–.13	15.91S–.03	71.84W–.02	121	5.8b,5.4s		
GUC	VII	08 09 13 06.1–.74	16.57S	72.26W	80–0	6.0b,5.7s		
NEIC	VII	08 09 13 07.5–.12	15.99S	71.75W	123	6.3,6.2W		
IDC	VII	08 09 13 07.4–.36	16.02S	71.77W	123–2	5.4,5.4		
LDG	VII	08 09 13 08.0–.43	15.70S	71.41W	117–0	5.8b,5.2s		
GCMT	VII	08 09 13 10.0–.10	16.26S	72.00W	126–0	6.2W,5.2s		

ISC Event type de.

BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

MOS Error ellipse: s-maj=6.9km s-min=4.6km az=81.4.

ISCJB Event type de. Error ellipse: s-maj=3.9km s-min=2.3km az=24.8.

GUC Error ellipse: s-maj=5.5km s-min=6.9km az=-1.0.

NEIC Event type de. Error ellipse: s-maj=3.6km s-min=2.9km az=46.0. One person killed and several buildings damaged [V] at Arequipa. Felt [V] at Aplao and Sihuas; [IV] at Chivay, Chuquibamba and Pampacolca. Felt at Ilo. Also felt [IV] at Arica and Putre; [III] at Alcerreca and Tacora; [II] at Alto Hospicio, Camina, Huara, Iquique, Pica and Pozo Almonte, Chile. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s285.00000°,δ75.00000°,λ-105.00000°. NP2:ϕ_s151.00000°,δ21.00000°,λ-46.00000°. Principal axes: T Plg28.0000°,Azm27.0000°; N Plg0.0000°,Azm0.0000°; P Plg57.0000° ,Azm175.0000° Moment Tensor Solution. s94 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.75 $M_{\theta\theta}$0.49 $M_{\phi\phi}$0.27 $M_{r\theta}$1.53 $M_{\theta\phi}$-1.12 $M_{\phi r}$-0.81 Best double couple: NP1:ϕ_s164.00000° ,δ22.00000°,λ-43.00000°. NP2:ϕ_s295.00000°,δ75.00000°,λ-106.00000°. Principal axes: T 2.4100,Plg28.0000°,Azm38.0000°; N -0.6200,Plg15.0000°,Azm299.0000° ; P -1.7900,Plg56.0000°,Azm183.0000° $M_0$2.20000×10^{18}

IDC Error ellipse: s-maj=12.1km s-min=7.9km az=74.0.

LDG Event type ke. Error ellipse: s-maj=25.8km s-min=11.4km az=52.0.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=115, comp=273, per= 50. Moment Tensor Solution. s117,c265; s79,c109; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.08±.02 $M_{\theta\theta}$0.37±.02; $M_{\phi\phi}$0.72±.02; $M_{r\theta}$1.51±.02; $M_{\theta\phi}$-1.93±.02; $M_{\phi r}$-0.35±.02; Best double couple: NP1:ϕ_s177.00000°,δ44.00000°,λ-23.00000°. NP2:ϕ_s284.00000°,δ74.00000°,λ-132.00000°. Principal axes: T 2.9100,Plg19.0000°,Azm44.0000°; N -0.6200,Plg40.0000°,Azm297.0000° ; P -2.2900,Plg44.0000°,Azm153.0000° $M_0$2.60000×10^{18}

(248) Philippine Islands region

ISC	**VII**	**08 11 06 26.8–.51**	**15.34N–.03**	**122.43E–.05**	**46–6**	**4.6b,4.2s**	**70**	**1-87**
IDC	VII	08 11 06 20.1–.58	15.23N	122.44E	0	4.5,4.4		**¶11479901**
MAN	VII	08 11 06 22	15.40N	122.40E	2	5.0b,4.0s		
ISCJB	VII	08 11 06 25.7–.51	15.32N–.03	122.42E–.05	53–5	4.6b,4.2s		
NEIC	VII	08 11 06 26.6–1.5	15.25N	122.55E	46–14	4.9b,4.2s		
BJI	VII	08 11 06 28.3	15.26N	122.03E	33	4.5b,4.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=30.3km s-min=11.3km az=78.0.
MAN Event type fe. INTENSITY III - QUEZON CITY.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.3km az=164.4.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=5.4km az=73.0. Felt [III PIVS] at Quezon City, Luzon.

(460) Wyoming

ISC	**VII**	**08 18 03 02.9–.41**	**43.74N–.05**	**105.22W–.05**	**0**		**36**	**1-61**
ISCJB	VII	08 18 03 01.0–.45	43.75N–.05	105.21W–.05	0			**¶11811000**
NEIC	VII	08 18 03 02.8–.37	43.74N	105.22W	0	3.1L		
IDC	VII	08 18 03 04.4–1.5	44.17N	105.84W	0	3.9,3.8b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=6.8km s-min=5.2km az=156.1.
NEIC Event type fm. Error ellipse: s-maj=6.3km s-min=4.3km az=157.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=56.2km s-min=8.0km az=145.0.

(138) La Rioja Province

ISC	**VII**	**08 18 24 04.3–.64**	**30.42S–.05**	**66.96W–.06**	**40–12**	**4.0b**	**21**	**2-151**
ISCJB	VII	08 18 24 01.9–.84	30.41S–.06	66.89W–.06	36–14	4.0b		**¶11811003**
NEIC	VII	08 18 24 04.2–.58	30.43S	66.94W	41–7	4.0		
IDC	VII	08 18 24 04.5–.75	30.43S	66.95W	40–7	4.1L,3.8b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=7.7km az=146.8.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=7.2km az=121.0. Felt [III] in Valle Fertil.
IDC Error ellipse: s-maj=28.8km s-min=6.6km az=133.0.

(116) Central Peru

ISC	**VII**	**09 03 25 32.4–.98**	**11.96S–.08**	**75.2W–.10**	**57–11**	**4.0b**	**22**	**2-147**
IDC	VII	09 03 25 24.6–.88	11.81S	75.03W	0	4.0,3.9		**¶11811048**
ISCJB	VII	09 03 25 30.3–1.1	11.93S–.08	75.1W–.10	60–12	4.0b,3.9		
NEIC	VII	09 03 25 31.4–.89	11.92S	75.19W	46–9	4.1b,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=20.8km s-min=15.5km az=4.0.
ISCJB Event type fe. Error ellipse: s-maj=19.9km s-min=9.8km az=149.6.
NEIC Event type fe. Error ellipse: s-maj=14.0km s-min=7.4km az=64.0. Felt [II] at Concepcion and Jauja.

(116) Central Peru

ISC	**VII**	**09 07 01 46.4–3.2**	**10.34S–.04**	**75.35W–.06**	**18–19**	**4.6b,3.9s**	**374**	**2-165**
ISCJB	VII	09 07 01 43.6–3.0	10.27S–.04	75.40W–.06	12–19	4.6b,3.9s		**¶11108418**
IDC	VII	09 07 01 43.2–.56	10.30S	75.42W	0	4.5,4.4b		
NEIC	VII	09 07 01 45.6–2.1	10.31S	75.37W	15–13	4.7b,4.3L		
BJI	VII	09 07 01 46.6	10.30S	75.40W	15	5.1b,5.0s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=6.9km az=164.8.
IDC Error ellipse: s-maj=17.2km s-min=12.3km az=101.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=4.3km az=59.0. Felt [II] at Huancabamba.

(161) Off west coast of South Island

WEL	**VII**	**09 10 03 08.7–.35**	**45.68S**	**166.74E**	**12**	**3.9L**		
NEIC	VII	09 10 03 08.4	45.65S	166.72E	12	3.9L		**¶11207339**

WEL Event type fe. Error ellipse: s-maj=4.0km s-min=1.8km az=90.0. Felt in the Otago region, maximum reported intensity MM 3.
NEIC Event type se. After WEL.

(277) Jawa

ISC	**VII**	**09 11 32 08.0–.39**	**8.79S–.05**	**112.46E–.02**	**88–3**	**4.5b**	**106**	**1-155**
IDC	VII	09 11 31 57.1–.66	8.58S	112.38E	0	4.5,4.4		**¶11108424**
BJI	VII	09 11 31 59.4	8.90S	112.20E	35	4.9b,4.8b		
MOS	VII	09 11 32 00.9–.81	8.44S	112.49E	33	4.8b,4.8b		
NEIC	VII	09 11 32 01.4–.35	8.86S	112.19E	35	4.6b,4.8b		
ISCJB	VII	09 11 32 07.0–.40	8.78S–.05	112.47E–.02	95–3	4.5b,4.8b		
DJA	VII	09 11 32 07	8.90S	112.50E	27	4.9b,4.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=28.6km s-min=14.1km az=56.0.
MOS Error ellipse: s-maj=23.9km s-min=11.1km az=121.4.
NEIC Event type fe. Error ellipse: s-maj=15.1km s-min=5.7km az=56.0. Felt [II] at Karangkates, Lumajang and Turen.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=3.5km az=12.6.

(227) Eastern Honshu

ISC	**VII**	**09 12 27 28.7–.25**	**35.97N–.04**	**138.92E–.04**	**135–2**	**4.0b**	**80**	**0-153**
NIED	VII	09 12 27 00	36.00N	138.90E	145	4.4W		**¶13388568**
ISCJB	VII	09 12 27 27.6–.25	35.96N–.04	138.91E–.04	138–2	4.0b		
JMA	VII	09 12 27 28.6–.10	35.95N	138.97E	135–1	4.2		
IDC	VII	09 12 27 28.1–.45	35.91N	138.80E	132–3	4.0,3.9		
NEIC	VII	09 12 27 28.7	35.95N	138.97E	135	4.2b,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ71.00000°,λ-55.00000°. NP2:ϕ_s250.00000°,δ39.00000°,λ-149.00000°. M_o4.05000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=5.1km az=43.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s246.00000°,δ41.00000°,λ-131.00000°. NP2: ϕ_s115.00000°,δ61.00000°,λ-60.00000°. Principal axes: T Plg11.0000°,Azm184.0000° ; N Plg25.0000°,Azm279.0000°; P Plg62.0000°,Azm73.0000°
IDC Error ellipse: s-maj=15.8km s-min=7.9km az=66.0.
NEIC Event type fe. Recorded [1 JMA] in Gumma, Ibaraki, Kanagawa, Nagano, Saitama and Tochigi. After JMA.

(277) Jawa

ISC	**VII**	**09 15 36 52.5–.49**	**8.73S–.08**	**112.52E–.03**	**83–4**	**3.7b**	**48**	**1-87**
IDC	VII	09 15 36 41.8–1.1	8.78S	112.15E	0	3.9,3.8L		**¶11811092**
NEIC	VII	09 15 36 47.2–.74	8.68S	112.33E	35	4.3b,3.8L		
ISCJB	VII	09 15 36 51.6–.48	8.69S–.08	112.52E–.03	92–4	3.7b,3.8L		
DJA	VII	09 15 36 51	8.97S	112.51E	46	4.3,3.8L		

ISC Event type fe.
IDC Error ellipse: s-maj=57.7km s-min=16.3km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=47.5km s-min=7.6km az=48.0. Felt [II] at Blitar.
ISCJB Event type fe. Error ellipse: s-maj=13.5km s-min=3.7km az=10.3.

(122) Near coast of northern Chile

ISC	**VII**	**09 19 58 40.7–.50**	**23.05S–.03**	**70.10W–.06**	**46–5**	**4.5b,3.8s**	**73**	**0-176**
ISCJB	VII	09 19 58 39.0–.55	23.01S–.04	70.03W–.06	47–5	4.5b,3.8s		**¶11108438**
NEIC	VII	09 19 58 40.3–.71	23.07S	70.11W	44–7	4.6b,3.8s		
GUC	VII	09 19 58 40.8–.67	22.95S	70.10W	35–14	4.8L,3.8s		
IDC	VII	09 19 58 40.4–.55	23.01S	70.08W	42–4	4.4L,4.3		
BJI	VII	09 19 58 42.3	23.10S	70.10W	44	5.6s,5.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.8km az=11.1.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=6.5km az=81.0. Felt [III] at Mejillones and Tocopilla; [II] at Maria Elena.
GUC Error ellipse: s-maj=3.5km s-min=30.1km az=-1.0.
IDC Error ellipse: s-maj=18.9km s-min=13.8km az=60.0.

(274) Southern Sumatera

ISC	**VII**	**09 22 17 42.8–.33**	**1.89S–.03**	**100.99E–.03**	**65–3**	**5.2b**	**525**	**1-159**
BJI	VII	09 22 17 32.9	2.74S	100.70E	53	5.3s,5.1		**¶11108443**
DJA	VII	09 22 17 36	2.11S	100.55E	5	5.5W,5.1		
MOS	VII	09 22 17 37.5–1.6	1.78S	101.22E	33	5.4b,4.8s		
IDC	VII	09 22 17 39.0–1.5	1.97S	100.97E	41–12	4.8,4.8s		
GCMT	VII	09 22 17 39.5–.20	2.06S	100.61E	13–0	5.3W,4.8s		
ISCJB	VII	09 22 17 40.5–.36	1.92S–.03	100.95E–.03	61–3	5.2b,4.8s		
NEIC	VII	09 22 17 41.1–1.2	1.83S	101.14E	54–10	5.2b,4.8s		
SZGRF	VII	09 22 17 44.7	1.50S	100.50E	33	5.2b,5.1s		

ISC Event type fe.
MOS Error ellipse: s-maj=10.2km s-min=4.7km az=118.6.
IDC Error ellipse: s-maj=15.7km s-min=8.3km az=51.0.
GCMT Event type se. Data Used: ll IU IC G CN. Moment Tensor Solution. s60,c92; s92,c170; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s118.00000°,δ66.00000°,λ-10.00000°. NP2:ϕ_s212.00000° ,δ81.00000°,λ-155.00000°. Principal axes: T 1.1400,Plg10.0000°,Azm343.0000° ; N -0.1400,Plg64.0000°,Azm232.0000°; P -1.0000,Plg24.0000°,Azm77.0000° M_o1.10000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.1km az=141.3.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.0km az=47.0. Felt [III] at Padang and Painan; [II] at Bengkulu, Kapahiang, Mukomuko and Padangpanjang. Also felt [II] on Nias.
SZGRF Southern Sumatera, Indonesia.

(265) Minahassa Peninsula, Sulawesi

ISC	**VII**	**10 02 49 49.2–.39**	**0.83N–.03**	**121.17E–.03**	**74–5**	**4.7b**	**93**	**1-128**
ISCJB	VII	10 02 49 47.8–.45	0.87N–.03	121.20E–.03	78–5	4.7b		**¶11109009**
BJI	VII	10 02 49 48.5	1.38N	121.33E	42	4.9b,4.7b		
IDC	VII	10 02 49 49.0–2.0	0.78N	121.19E	77–18	4.2,4.1		
NEIC	VII	10 02 49 48.5–.71	0.81N	121.17E	72–7	4.8b,4.1		
DJA	VII	10 02 49 48	1.00N	121.16E	25	5.3W,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=5.1km az=29.6.
IDC Error ellipse: s-maj=27.1km s-min=10.8km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=5.0km az=65.0. Felt [II] at Tolitoli.

(266) Northern Molucca Sea

ISC	**VII**	**10 06 29 52.3–.38**	**0.95N–.02**	**126.06E–.03**	**59–3**	**5.1b,4.0s**	**300**	**1-163**
IDC	VII	10 06 29 44.8–.38	0.94N	125.84E	0	5.4L,4.9b		**¶11109014**
BJI	VII	10 06 29 47.3	0.76N	125.95E	42	5.0b,5.0b		
MOS	VII	10 06 29 48.1–1.1	0.98N	125.84E	33	5.4b,5.0b		
NEIC	VII	10 06 29 49.9–.17	0.94N	125.96E	35	5.1b,5.0b		
ISCJB	VII	10 06 29 50.4–.43	0.97N–.03	126.06E–.03	58–4	5.1b,4.0s		
TEH	VII	10 06 29 50.0	0.91N	126.03E	35	5.1b,4.0s		
DJA	VII	10 06 29 52	1.06N	126.23E	51	5.2b,4.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.3km s-min=9.3km az=71.0.
MOS Error ellipse: s-maj=12.9km s-min=6.0km az=115.0.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.1km az=72.0. Felt [IV] at Bitung and [III] at Manado, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.8km az=141.0.

(366) Turkey

ISC	**VII**	**10 07 49 54.8–.25**	**39.994N–.01**	**27.71E–.01**	**8–1**	**4.3b,3.8s**	**864**	**0-98**
BJI	VII	10 07 49 52.2	40.00N	27.70E	13	4.9b,4.8s		**¶13388659**
ISCJB	VII	10 07 49 53.7–.24	40.006N–.01	27.70E–.01	10–1	4.3b,3.8s		
DDA	VII	10 07 49 53.5	40.00N	27.73E	27–1	4.7L,3.8s		
ATH	VII	10 07 49 53.1	40.00N	27.72E	22–2	4.5,4.4L		
ISK	VII	10 07 49 53.9	40.01N	27.72E	13	4.9L,4.4L		
IDC	VII	10 07 49 53.8–.69	40.05N	27.58E	0	4.2L,4.2b		
NEIC	VII	10 07 49 53.7	40.00N	27.70E	13	4.9L,4.4L		
SOF	VII	10 07 49 54.9	40.22N	27.57E	2	3.9,4.4L		
CSEM	VII	10 07 49 54.8–.06	40.00N	27.71E	10	4.4b,4.4L		
MOS	VII	10 07 49 54.0–1.2	40.05N	27.68E	10	4.5b,4.4L		
THE	VII	10 07 49 55.3	39.98N	27.66E	6–1	5.5L,4.4L		
BEO	VII	10 07 49 56.9–.75	40.36N	27.72E	0–0	4.6L,4.4L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=141.1.
ATH Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=14.5km s-min=11.4km az=18.0.
NEIC Event type fe. Felt at Bursa, Buyukcekmece and Istanbul. After ISK.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=46.0.
MOS Error ellipse: s-maj=4.0km s-min=2.7km az=110.8.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=69.0.

(390) Southern Italy

ISC	**VII**	**10 12 50 20.0–.29**	**38.97N–.02**	**16.22E–.03**	**12–3**		**112**	**0-5**
ISCJB	VII	10 12 50 19.3–.30	38.98N–.02	16.20E–.03	10–3			**¶12951186**
ROM	VII	10 12 50 19.6–.18	38.96N	16.24E	9–1	3.5L,3.1		
CSEM	VII	10 12 50 19.1–.19	39.01N	16.16E	10	3.5L,3.1		
NEIC	VII	10 12 50 19.6	38.96N	16.24E	9	3.5L,3.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.5km az=29.2.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=99.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.0km az=102.0. After ROM.
NEIC Event type fe. Felt at Cosenza and Lamezia Terme. After ROM.

(2) Southern Alaska

NEIC	**VII**	**10 17 14 36.0**	**61.55N**	**149.96W**	**41**	**3.6L,3.3L**		
								¶11132433

NEIC Event type fe. Felt at Eagle River. After AEIC.

(259) Mindanao

ISC	**VII**	**10 17 32 28.2–.56**	**6.47N–.02**	**124.67E–.02**	**29–4**	**5.3b,4.5s**	**473**	**0-164**
MAN	VII	10 17 32 21	6.31N	124.51E	1	5.7b,5.2s		**¶13388687**
ISCJB	VII	10 17 32 25.7–.51	6.44N–.02	124.65E–.02	24–3	5.3b,4.5s		
IDC	VII	10 17 32 25.4–2.4	6.51N	124.53E	11–14	4.9,4.9b		
GCMT	VII	10 17 32 26.5–.20	6.48N	124.66E	12	5.1W,4.9b		
MOS	VII	10 17 32 27.1–1.1	6.55N	124.59E	33	5.6b,4.6s		
BJI	VII	10 17 32 28.2	6.48N	124.64E	41	5.3b,5.2b		
TEH	VII	10 17 32 28.0	6.50N	124.61E	28	5.3b,5.2b		
NEIC	VII	10 17 32 29.2–.72	6.50N	124.63E	40–6	5.2b,4.7s		
DJA	VII	10 17 32 36	5.96N	124.52E	47	5.6W,4.7s		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - BANGA SOUTH COTABATO; INTENSITY III - PALIMBANG SULTAN KUDARAT; INTENSITY II - COTABATO GENERAL SANTOS CITY.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=0.2.
IDC Error ellipse: s-maj=13.1km s-min=10.2km az=82.0.
GCMT Event type se. Data Used: ll IU IC CN G. Moment Tensor Solution. s54,c73; s86,c148; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.54±.12 $M_{\theta\theta}$3.88±.09; $M_{\phi\phi}$-1.33±.13; $M_{r\theta}$0.81±.27; $M_{\theta\phi}$-4.16±.08; $M_{\phi r}$-1.72±.32; Best double couple: NP1:ϕ_s77.00000°,δ59.00000°,λ-161.00000°. NP2:ϕ_s337.00000°,δ74.00000°,λ-33.00000°. Principal axes: T 6.4500,Plg10.0000° ,Azm30.0000°; N -2.0500,Plg54.0000°,Azm134.0000°; P -4.3900,Plg34.0000° ,Azm293.0000° M_o5.40000×10^{16}
MOS Error ellipse: s-maj=10.5km s-min=5.3km az=114.2.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.1km az=70.0. Felt [IV PIVS] at Banga and Isulan; [III PIVS] at Palimbang; [II PIVS] at Cotabato and General Santos.

(236) Shikoku

ISC	**VII**	**10 19 21 56.7–.84**	**32.17N–.04**	**132.01E–.04**	**33–5**	**3.6b**	**31**	**0-84**
NIED	VII	10 19 21 00	32.20N	132.00E	32	4.0W		**¶11746960**
IDC	VII	10 19 21 51.1–.87	32.21N	131.92E	0	3.7,3.6		
ISCJB	VII	10 19 21 56.1–.50	32.20N–.04	132.02E–.05	53–5	3.6b,3.6		
JMA	VII	10 19 21 56.8–.10	32.16N	132.02E	30–2	4.1,3.6		
NEIC	VII	10 19 21 56.8	32.16N	132.02E	30	4.1,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s312.00000°,δ87.00000°,λ113.00000°. NP2:ϕ_s49.00000°,δ23.00000°,λ7.00000°. M_o9.81000×10^{14}
IDC Error ellipse: s-maj=24.9km s-min=17.8km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.4km az=143.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s353.00000°,δ14.00000°,λ-61.00000°. NP2: ϕ_s143.00000°,δ77.00000°,λ-97.00000°. Principal axes: T Plg32.0000°,Azm239.0000° ; N Plg7.0000°,Azm145.0000°; P Plg57.0000°,Azm44.0000°
NEIC Event type fe. Recorded [1 JMA] in Miyazaki and Oita. After JMA.

(573) Tanzania

ISC	**VII**	**10 23 55 01.2–.39**	**2.69S–.05**	**35.94E–.07**	**10**	**4.3b,3.6s**	**36**	**2-100**
BJI	VII	10 23 54 52.8	3.61S	35.32E	10	4.8b,4.8b		**¶11479945**
ISCJB	VII	10 23 54 59.2–.39	2.68S–.05	35.87E–.07	10	4.3b,3.6s		
IDC	VII	10 23 54 59.7–.67	2.67S	35.96E	0	4.3,4.2		
NEIC	VII	10 23 55 01.1–.35	2.65S	35.86E	10	4.4b,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=6.7km az=26.5.
IDC Error ellipse: s-maj=24.9km s-min=10.7km az=123.0.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=7.1km az=106.0. Felt at Ngorongoro.

(160) Off east coast of North Island

WEL	**VII**	**11 00 06 16.2–.18**	**38.35S**	**178.47E**	**27–1**	**3.8L**		
NEIC	VII	11 00 06 14.9	38.30S	178.60E	30	3.9L		**¶11207372**

WEL Event type fe. Error ellipse: s-maj=2.0km s-min=0.9km az=90.0. Felt from Bay of Plenty to Hawke''s Bay, maximum reported intensity MM 4.
NEIC Event type se. After WEL.

(718) Hindu Kush region

ISC	**VII**	**11 02 03 48.7–.27**	**35.39N–.02**	**69.59E–.02**	**41–2**	**4.9b,3.9s**	**618**	**1-148**
IDC	VII	11 02 03 42.5–.47	35.42N	69.61E	0	4.9,4.8		**¶11227047**
ISCJB	VII	11 02 03 44.7–.66	35.38N–.02	69.59E–.02	24–5	4.9b,3.9s		
MOS	VII	11 02 03 45.8–1.0	35.38N	69.62E	33	5.1b,3.9s		
GCMT	VII	11 02 03 45.7–.40	35.46N	69.41E	22–1	4.8W,3.9s		
NNC	VII	11 02 03 47.9–5.3	35.65N	68.55E	82–71	5.1b,5.0		
NEIC	VII	11 02 03 47.5–1.8	35.40N	69.58E	32–12	5.0b,5.0		
BJI	VII	11 02 03 47.1	35.61N	69.42E	45	5.1L,4.9b		
TEH	VII	11 02 03 51.0	35.92N	69.64E	35	5.1L,4.9b		
SZGRF	VII	11 02 03 55.1	36.71N	69.51E	33	4.6b,4.9b		

ISC Event type fe.

IDC Error ellipse: s-maj=12.0km s-min=10.6km az=166.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=15.8.
MOS Error ellipse: s-maj=5.7km s-min=3.6km az=125.6.
GCMT Event type se. Data Used: IC II IU CN G. Moment Tensor Solution. s27,c35; s55,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}1.41±.12 $M_{\theta\theta}$0.49±.09; $M_{\phi\phi}$-1.90±.08; $M_{r\theta}$0.04±.18; $M_{\theta\phi}$-0.50±.06; $M_{\phi r}$0.10±.12; Best double couple: NP1:ϕ_s190.00000°,δ43.00000°,λ88.00000°. NP2:ϕ_s13.00000°,δ47.00000°,λ92.00000°. Principal axes: T 1.4100,Plg88.0000° ,Azm321.0000°; N 0.5900,Plg1.0000°,Azm191.0000°; P -2.0000,Plg2.0000°,Azm101.0000° M_o1.70000×10^{16}
NNC Error ellipse: s-maj=45.1km s-min=34.0km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=188.0. Felt [II] at Bagrami. Also felt at Charikar and Kabul.
SZGRF Hindu Kush, Afghanistan, region.

(243) Taiwan region

ISC	**VII**	**11 03 07 48.7–.58**	**25.15N–.02**	**122.27E–.02**	**20–3**	**4.8b,4.0s**	**362**	**0-167**
NIED	VII	11 03 07 00	25.10N	121.90E	8	4.6W,4.0s		**¶11109045**
IDC	VII	11 03 07 44.9–.52	25.15N	122.33E	0	4.6,4.6b		
ISCJB	VII	11 03 07 47.9–.42	25.18N–.02	122.31E–.02	26–2	4.8b,4.0s		
MOS	VII	11 03 07 48.9–.99	25.20N	122.27E	33	5.0b,4.0s		
BJI	VII	11 03 07 48.7	25.31N	122.15E	19	5.0L,4.7b		
TAP	VII	11 03 07 48.2	25.13N	122.25E	16–0	4.7L,4.7b		
NEIC	VII	11 03 07 49.9–1.8	25.11N	122.27E	31–12	5.1L,4.8b		
SZGRF	VII	11 03 07 51.7	25.01N	121.97E	33	4.7b,4.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ75.00000°,λ-95.00000°. NP2:ϕ_s268.00000°,δ16.00000°,λ-71.00000°. M_o8.60000×10^{15}
IDC Error ellipse: s-maj=18.4km s-min=13.1km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=21.4.
MOS Error ellipse: s-maj=9.6km s-min=5.3km az=116.9.
TAP C.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=5.3km az=88.0. Recorded [2 TAP] in T'ai-pei and [1 TAP] in I-lan and T'ao-yuan.
SZGRF Taiwan.

(162) South Island

WEL	**VII**	**11 03 26 42.5–.12**	**42.59S**	**173.90E**	**5**	**3.7L**		
NEIC	VII	11 03 26 42.4	42.61S	173.91E	5	3.8L		**¶11207376**

WEL Event type fe. Error ellipse: s-maj=1.2km s-min=1.0km az=90.0. Felt from Nelson to Canterbury, maximum reported intensity MM 4.
NEIC Event type se. After WEL.

(45) California-Baja California border region

ISC	**VII**	**11 13 28 30.2–.29**	**32.67N–.02**	**116.01W–.02**	**13–2**		**66**	**0-4**
ISCJB	VII	11 13 28 30.1–.31	32.68N–.02	116.01W–.02	12–2			**¶11811268**
NEIC	VII	11 13 28 31.0	32.67N	116.04W	10	3.0L		
ECX	VII	11 13 28 31.4–.62	32.67N	116.03W	4–1	3.2L,3.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.8km az=141.5.
NEIC Event type fe. Felt at Ocotillo. After PAS.
ECX Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.

(248) Philippine Islands region

ISC	**VII**	**11 15 02 41.9–1.8**	**15.41N–.03**	**122.45E–.06**	**27–14**	**4.1b**	**39**	**1-87**
IDC	VII	11 15 02 36.0–.87	15.31N	122.78E	0	4.6L,4.2		**¶13388742**
MAN	VII	11 15 02 38	15.41N	122.48E	1	5.3b,4.4s		
ISCJB	VII	11 15 02 41.5–.61	15.41N–.03	122.47E–.06	39–7	4.1b,4.4s		
NEIC	VII	11 15 02 42.6–2.4	15.23N	122.63E	49–21	4.2b,4.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=26.8km s-min=16.4km az=73.0.
MAN Event type fe. INTENSITY I - MAKATI CITY.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.2km az=166.7.
NEIC Event type fe. Error ellipse: s-maj=22.4km s-min=8.4km az=61.0. Felt [I PIVS] at Makati, Luzon.

(99) Northern Colombia

ISC	**VII**	**11 18 22 10.2–1.6**	**7.41N–.05**	**73.17W–.03**	**33–15**	**3.9b**	**55**	**2-153**
IDC	VII	11 18 22 04.5–.81	7.57N	73.17W	0	4.3,4.2		**¶11811281**
FUNV	VII	11 18 22 05.4	7.15N	73.48W	20	4.4W,4.2		
ISCJB	VII	11 18 22 07.1–1.4	7.43N–.05	73.21W–.04	15–10	3.9b,4.2		
NEIC	VII	11 18 22 10.0–2.5	7.55N	73.13W	35–21	3.9b,4.2		

ISC Event type fe.
IDC Error ellipse: s-maj=28.5km s-min=14.0km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=6.1km az=166.6.
NEIC Event type fe. Error ellipse: s-maj=12.5km s-min=9.3km az=131.0. Felt at Bucaramanga.

(162) South Island

WEL	**VII**	**11 23 04 50.6–.21**	**45.38S**	**167.07E**	**68–1**	**3.7L**		
								¶11207394

WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.5km az=90.0. Felt in the Otago region, maximum reported intensity MM 4.

(227) Eastern Honshu

ISC	**VII**	**11 23 06 03.7–.46**	**39.17N–.02**	**140.82E–.04**	**2–3**	**4.2b,3.7s**	**88**	**0-146**
NIED	VII	11 23 06 00	39.20N	140.80E	5	4.2W,3.7s		**¶13388775**
NEIC	VII	11 23 06 03.7	39.17N	140.84E	8	4.4b,3.7s		
IDC	VII	11 23 06 03.8–.57	39.11N	140.52E	0	4.2,4.1		
JMA	VII	11 23 06 03.6	39.17N	140.84E	8–1	4.4,4.1		
ISCJB	VII	11 23 06 03.3–.47	39.17N–.02	140.83E–.04	11–3	4.2b,3.7s		
MOS	VII	11 23 06 06.9–1.1	39.17N	140.62E	33	4.7b,3.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s120.00000°,δ89.00000°,λ-4.00000°. NP2:ϕ_s210.00000°,δ86.00000°,λ-179.00000°. M_o2.52000×10^{15}
NEIC Event type fe. Recorded [2 JMA] in Akita, Iwate and Miyagi. After JMA.
IDC Error ellipse: s-maj=17.4km s-min=13.4km az=101.0.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.4km az=4.5.
MOS Error ellipse: s-maj=12.7km s-min=7.2km az=93.2.

(7) Andreanof Islands

ISC	**VII**	**12 00 01 27.0–.40**	**51.64N–.03**	**176.38W–.02**	**62–3**	**5.1b**	**982**	**0-156**
DJA	VII	12 00 01 16	51.72N	175.30W	5	5.5W		**¶11109376**
BJI	VII	12 00 01 20.8	51.78N	176.23W	36	5.4b,5.2b		
SZGRF	VII	12 00 01 20.8	50.79N	178.59W	33	4.7b,4.6s		
MOS	VII	12 00 01 21.9–.97	51.65N	176.37W	33	5.1b,4.6s		
NEIC	VII	12 00 01 22.7	51.36N	176.28W	21	5.4L,5.1b		
IDC	VII	12 00 01 23.6–1.6	51.66N	176.38W	35–11	5.0L,4.7		
GCMT	VII	12 00 01 24.5–.20	51.42N	176.18W	36–0	5.3W,4.7		
ISCJB	VII	12 00 01 24.8–.41	51.60N–.03	176.36W–.02	59–3	5.1b,4.7s		

ISC Event type fe.
SZGRF Andreanof Islands, Aleutian Islands, United States.
NEIC Event type fe. Felt on Adak. After AEIC.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s89,c151; s92,c164; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s253.00000°,δ26.00000°,λ109.00000°. NP2:ϕ_s52.00000° ,δ65.00000°,λ81.00000°. Principal axes: T 0.9800,Plg68.0000°,Azm304.0000° ; N 0.0700,Plg8.0000°,Azm56.0000°; P -1.0500,Plg20.0000°,Azm149.0000° M_o1.00000×10^{17}
ISCJB Event type fe.

(161) Off west coast of South Island

ISC	**VII**	**12 00 08 57.1–.33**	**45.72S–.05**	**167.22E–.05**	**112–3**	**5.0b**	**122**	**0-172**
ISCJB	VII	12 00 08 56.2–.33	45.70S–.05	167.24E–.05	118–3	5.0b		**¶11133613**
NEIC	VII	12 00 08 56.6	45.82S	166.79E	101	4.9b		
WEL	VII	12 00 08 56.8–.29	45.79S	166.80E	103–1	6.0L		
IDC	VII	12 00 08 57.0–2.1	45.65S	167.07E	109–18	4.8,4.6		
BJI	VII	12 00 08 58.1	45.32S	167.18E	118	5.5b,5.2b		
GCMT	VII	12 00 09 01.8–.30	45.56S	166.72E	112–3	5.1W,5.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.6km az=148.3.
NEIC Event type fe. Felt in the Fiordland-Otago-Southland area. After WEL.
WEL Event type fe. Error ellipse: s-maj=3.2km s-min=1.5km az=90.0. Felt from West Coast to Southland, and from Fiordland to Otago, maximum. reported intensity MM 5.
IDC Error ellipse: s-maj=22.5km s-min=16.1km az=180.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s32,c38; s64,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.20 $M_{\theta\theta}$3.77±.18; $M_{\phi\phi}$-3.10±.19; $M_{r\theta}$0.95±.15; $M_{\theta\phi}$-3.62±.18; $M_{\phi r}$-3.04±.15; Best double couple: NP1:ϕ_s70.00000°,δ57.00000°,λ-174.00000°. NP2:ϕ_s336.00000°,δ85.00000°,λ-33.00000°. Principal axes: T 6.0200,Plg19.0000° ,Azm28.0000°; N -0.1600,Plg57.0000°,Azm148.0000°; P -5.8700,Plg27.0000° ,Azm288.0000° M_o6.00000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**VII**	**12 03 03 16.2–.86**	**36.38N–.03**	**141.48E–.04**	**20–5**	**4.4b,3.5s**	**143**	**1-151**
NIED	VII	12 03 03 00	36.40N	141.40E	35	4.3W,3.5s		**¶13388815**
IDC	VII	12 03 03 13.1–.56	36.36N	141.41E	0	4.3L,4.3		
ISCJB	VII	12 03 03 15.3–.94	36.39N–.03	141.55E–.04	29–6	4.4b,3.5s		
BJI	VII	12 03 03 15.9	36.44N	141.30E	24	4.6b,4.5b		
MOS	VII	12 03 03 15.9–1.1	36.41N	141.51E	33	4.6b,4.5b		
JMA	VII	12 03 03 17.3–.10	36.39N	141.39E	48–3	4.2,4.5b		
NEIC	VII	12 03 03 17.4–2.1	36.37N	141.41E	29–14	4.5b,4.3W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ73.00000°,λ95.00000°. NP2:ϕ_s192.00000°,δ18.00000°,λ75.00000°. M_o3.53000×10^{15}
IDC Error ellipse: s-maj=15.2km s-min=13.3km az=99.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.4km az=10.0.
MOS Error ellipse: s-maj=11.3km s-min=7.0km az=113.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=6.1km az=138.0. Recorded [1 JMA] in Ibaraki and Tochigi. Moment Tensor Solution. M_o3.50000×10^{15}

(228) Near east coast of eastern Honshu

ISC	**VII**	**12 03 04 40.9–1.1**	**36.39N–.03**	**141.45E–.06**	**19–7**	**4.1b**	**44**	**1-79**
IDC	VII	12 03 04 37.8–1.3	36.50N	141.57E	0	4.2,4.2		**¶11811325**
NEIC	VII	12 03 04 39.5–.71	36.48N	141.49E	10	4.4b,4.2		
ISCJB	VII	12 03 04 41.1–.89	36.35N–.03	141.49E–.08	39–7	4.1b,4.2		
JMA	VII	12 03 04 42.1–.10	36.39N	141.38E	50–3	3.9,4.2		

ISC Event type fe.
IDC Error ellipse: s-maj=33.4km s-min=21.2km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=14.9km s-min=11.1km az=153.0. Recorded [1 JMA] in Ibaraki and Tochigi.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.6km az=1.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(25) Vancouver Island region

PGC	**VII**	**12 04 06 06.4–.21**	**48.87N**	**125.60W**	**32–0**	**3.1L**		
NEIC	VII	12 04 06 06.4	48.87N	125.60W	32	3.1L		**¶12951247**

PGC Event type ke. 10km Ssw of Ucluelet, Bc Vancouver Island Region.
NEIC Event type fe. Felt at Ucluelet. After PGC.

(244) Taiwan

ISC	**VII**	**12 05 18 31.4–.32**	**24.22N–.01**	**121.85E–.02**	**6–2**	**4.0s,4.0b**	**156**	**0-96**
NIED	VII	12 05 18 00	24.20N	121.50E	35	4.6W,4.0b		**¶13642325**
JMA	VII	12 05 18 28.5–.40	24.18N	121.53E	23	4.9,4.0b		
IDC	VII	12 05 18 28.5–.74	24.28N	122.04E	0	4.2,4.1b		
ISCJB	VII	12 05 18 30.8–.35	24.23N–.01	121.86E–.02	5–2	4.0s,4.0b		
TAP	VII	12 05 18 30.7	24.20N	121.81E	7–0	4.5L,4.0b		
NEIC	VII	12 05 18 30.2–.46	24.19N	121.88E	10	4.5L,4.3b		
BJI	VII	12 05 18 32.0	24.43N	121.75E	9	4.6s,4.6b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s62.00000°,δ90.00000°,λ86.00000°. NP2:ϕ_s331.00000°,δ4.00000°,λ179.00000°. M_o8.57000×10^{15}
JMA Error ellipse: s-maj=7.8km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=31.9km s-min=15.7km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=30.0.
TAP C.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=6.3km az=99.0. Felt at Pan-ch'iao. Recorded [4 TAP] in I-lan, [3 TAP] in Hua-lien and [1 TAP] in T'ai-pei.

(244) Taiwan

ISC	**VII**	**12 06 11 46.7–.30**	**24.21N–.01**	**121.85E–.02**	**9–1**	**4.5b,4.2s**	**223**	**0-96**
IDC	VII	12 06 11 44.1–.76	24.29N	122.05E	0	4.2,4.2		**¶13388893**
JMA	VII	12 06 11 45.4–.40	24.10N	121.59E	35	5.0,4.2		
ISCJB	VII	12 06 11 45.4–.34	24.21N–.01	121.90E–.02	7–2	4.5b,4.2s		
NEIC	VII	12 06 11 45.8–.32	24.19N	121.89E	10	4.6b,4.6L		
BJI	VII	12 06 11 46.4	24.35N	121.71E	7	4.6s,4.6L		
TAP	VII	12 06 11 46.0	24.19N	121.81E	6–0	4.5L,4.6L		
MOS	VII	12 06 11 47.1–.83	24.27N	122.03E	33	4.8b,4.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=26.0km s-min=16.9km az=62.0.
JMA Error ellipse: s-maj=6.7km s-min=4.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.8km az=26.1.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=5.4km az=128.0. Felt at Lo-tung. Recorded [4 TAP] in Hua-lien and I-lan, [2 TAP] in Nan-t'ou and [1 TAP] in T'ai-chung.
TAP C.
MOS Error ellipse: s-maj=12.8km s-min=7.2km az=116.1.

(224) Hokkaido region

ISC	**VII**	**12 09 24 30.0–.44**	**41.36N–.03**	**142.97E–.04**	**35–4**	**4.3b,3.8s**	**124**	**1-147**
NIED	VII	12 09 24 00	41.30N	143.00E	29	4.4W,3.8s		**¶11342160**
JMA	VII	12 09 24 27.5–.20	41.30N	142.96E	17–3	4.4,3.8s		
ISCJB	VII	12 09 24 28.4–.46	41.29N–.03	143.01E–.04	41–4	4.3b,3.8s		
MOS	VII	12 09 24 28.5–1.2	41.36N	142.92E	40	4.5b,3.8s		
BJI	VII	12 09 24 30.3	40.69N	142.69E	47	4.6b,4.6b		
NEIC	VII	12 09 24 30.1–.27	41.39N	142.87E	35	4.6b,4.4W		
IDC	VII	12 09 24 32.1–1.6	41.30N	142.83E	57–14	4.0,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ68.00000°,λ-80.00000°. NP2:ϕ_s214.00000°,δ24.00000°,λ-114.00000°. M_o4.59000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=37.2.
MOS Error ellipse: s-maj=13.2km s-min=6.8km az=91.5.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.2km az=135.0. Recorded [1 JMA] in southern Hokkaido. Moment Tensor Solution. M_o4.60000×10^{15}
IDC Error ellipse: s-maj=15.3km s-min=9.5km az=99.0.

(159) North Island

ISC	**VII**	**12 10 06 33.8–.51**	**38.30S–.03**	**176.93E–.05**	**95–4**	**3.4b**	**154**	**0-145**
ISCJB	VII	12 10 06 32.7–.54	38.30S–.03	176.95E–.05	105–5	3.4b		**¶11207410**
IDC	VII	12 10 06 32.5–1.9	38.56S	176.97E	81–10	3.4,3.3		
WEL	VII	12 10 06 35.2–.18	38.20S	176.91E	82–1	4.2L,3.3		
NEIC	VII	12 10 06 35.2	38.20S	176.91E	82	4.2L,3.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.2km az=170.7.
IDC Error ellipse: s-maj=58.5km s-min=17.8km az=120.0.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=90.0. Felt from Bay of Plenty to Hawke"s Bay, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Opotiki and Whakatane. After WEL.

(277) Jawa

ISC	**VII**	**12 10 34 10.7–.56**	**8.85S–.06**	**110.46E–.03**	**81–5**	**4.2b**	**76**	**1-148**
IDC	VII	12 10 34 00.0–.79	8.81S	110.33E	0	4.5L,4.4		**¶11109387**
NEIC	VII	12 10 34 01.3–.48	8.88S	110.33E	10	4.4b,4.4		
DJA	VII	12 10 34 07	9.07S	110.46E	10	5.1,4.4		
ISCJB	VII	12 10 34 09.4–.59	8.85S–.07	110.45E–.03	88–5	4.2b,4.4		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Bantul, Imogiri and Tulungagung.
ISCJB Event type fe.

(13) Kodiak Island region

ISC	**VII**	**12 16 56 05.0–.40**	**57.98N–.04**	**152.49W–.10**	**35–4**	**3.9b**	**50**	**0-151**
BJI	VII	12 16 56 01.9	57.94N	153.30W	15	4.7b,4.4b		**¶11133615**
IDC	VII	12 16 56 02.9–2.5	58.12N	152.64W	17–20	3.9,3.8b		
ISCJB	VII	12 16 56 03.5–.40	58.02N–.04	152.46W–.10	41–4	3.9b,3.8b		
NEIC	VII	12 16 56 05.1–.40	57.98N	152.48W	35	3.9L,3.7L		

ISC Event type fe.
IDC Error ellipse: s-maj=37.6km s-min=15.4km az=29.0.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=5.4km az=24.2.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=5.4km az=98.0. Felt [III] at Kodiak.

(162) South Island

WEL	**VII**	**12 17 20 33.7–.09**	**42.72S**	**172.83E**	**12**	**4.0L**		
NEIC	VII	12 17 20 33.7	42.74S	172.82E	13	4.1L		**¶11207417**

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0. Felt reported, maximum reported intensity MM 4.
NEIC Event type se. After WEL.

(224) Hokkaido region

ISC	**VII**	**12 18 17 04.3–.33**	**42.49N–.03**	**143.30E–.05**	**62–3**	**4.0b**	**73**	**0-86**
NIED	VII	12 18 17 00	42.50N	143.30E	56	4.0W		**¶13506481**
MOS	VII	12 18 17 02.4–.84	42.43N	143.29E	66	4.2b		
ISCJB	VII	12 18 17 03.0–.34	42.46N–.04	143.30E–.05	69–2	3.9b		
NEIC	VII	12 18 17 04.3–.57	42.46N	143.28E	64–5	4.1b		

IDC VII 12 18 17 04.9–1.9 42.46N 143.25E 69–15 3.8,3.7
JMA VII 12 18 17 05.0–.10 42.49N 143.28E 51–1 4.1,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s116.00000°,δ47.00000°,λ-76.00000°. NP2:ϕ_s276.00000°,δ45.00000°,λ-105.00000°. $M_0$9.79000×10^{14}
MOS Error ellipse: s-maj=15.5km s-min=9.3km az=85.9.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.4km az=136.6.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=6.9km az=103.0. Recorded [2 JMA] in southeastern Hokkaido.
IDC Error ellipse: s-maj=20.2km s-min=14.0km az=90.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(246) Southwestern Ryukyu Islands

ISC	**VII**	**12 19 36 45.9–.69**	**24.20N–.04**	**125.23E–.03**	**29–4**	**4.5b,3.9s**	**168**	**1-94**
NIED	VII	12 19 36 00	24.20N	125.20E	20	4.2W,3.9s		**¶11109399**
IDC	VII	12 19 36 41.5–.56	24.24N	125.12E	0	4.5,4.4		
BJI	VII	12 19 36 42.2	23.91N	125.67E	44	4.5b,4.3b		
MOS	VII	12 19 36 44.4–1.2	24.32N	125.30E	33	4.8b,4.3b		
ISCJB	VII	12 19 36 45.7–.43	24.22N–.03	125.22E–.03	45–3	4.5b,3.9s		
JMA	VII	12 19 36 46.3–.20	24.19N	125.17E	22	4.5,3.9s		
NEIC	VII	12 19 36 48.4–.89	24.20N	125.05E	48–8	4.5b,4.2s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ72.00000°,λ75.00000°. NP2:ϕ_s290.00000°,δ23.00000°,λ129.00000°. $M_0$2.41000×10^{15}
IDC Error ellipse: s-maj=24.8km s-min=12.6km az=70.0.
MOS Error ellipse: s-maj=11.7km s-min=6.4km az=113.7.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=150.7.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=7.6km az=96.0. Recorded [2 JMA] on Miyako-jima. Moment Tensor Solution. $M_0$2.40000×10^{15}

(14) Kenai Peninsula

ISC	**VII**	**12 21 06 39.2–.36**	**59.87N–.03**	**151.12W–.06**	**61–2**	**4.4b**	**214**	**0-150**
BJI	VII	12 21 06 34.9	59.90N	151.10W	50	4.9b,4.7b		**¶11109402**
MOS	VII	12 21 06 37.3–.82	60.41N	151.24W	33	4.7b,4.7b		
ISCJB	VII	12 21 06 37.9–.36	59.88N–.03	151.04W–.06	65–2	4.3b,4.7b		
SZGRF	VII	12 21 06 39.3	60.23N	151.46W	33	4.8b,4.7b		
IDC	VII	12 21 06 39.5–.55	60.03N	151.49W	59–3	3.9,3.9		
NEIC	VII	12 21 06 39.9	59.92N	151.14W	50	4.4b,4.1L		

ISC Event type fe.
MOS Error ellipse: s-maj=24.1km s-min=6.3km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.6km az=179.0.
SZGRF Kenai Peninsula, Alaska, United States.
IDC Error ellipse: s-maj=15.4km s-min=10.9km az=41.0.
NEIC Event type fe. Felt [III] at Homer. Also felt at Anchorage, Anchor Point, Kenai, Moose Pass, Ninilchik, Palmer, Seward and Sterling. After AEIC.

(706) Northern Sumatera

ISC	**VII**	**13 03 56 53.9–.81**	**0.79N–.04**	**99.78E–.04**	**2–5**	**4.0b**	**39**	**0-146**
IDC	VII	13 03 56 52.6–.93	0.69N	99.47E	0	3.9b,3.9		**¶11811432**
NEIC	VII	13 03 56 54.9–.63	0.76N	99.72E	10	4.3b,3.9		
DJA	VII	13 03 56 55	0.72N	99.64E	5	4.5,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=36.1km s-min=14.4km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=25.9km s-min=12.0km az=69.0. Felt [II] at Mandailing, Natal and Panyabungan.

(246) Southwestern Ryukyu Islands

ISC	**VII**	**13 08 45 02.6–.48**	**24.07N–.05**	**124.49E–.03**	**46–3**	**4.3b**	**89**	**0-94**
IDC	VII	13 08 44 56.6–.78	24.06N	124.34E	0	4.3,4.2		**¶11121211**
MOS	VII	13 08 44 59.7–.69	24.00N	124.18E	33	5.0b,4.2		
NIED	VII	13 08 45 00	24.00N	124.60E	32	4.1W,4.2		
ISCJB	VII	13 08 45 01.2–.52	23.99N–.05	124.50E–.03	52–3	4.3b,4.2		
JMA	VII	13 08 45 01.9–.20	24.03N	124.58E	36–5	4.4,4.2		
BJI	VII	13 08 45 02.7	23.88N	124.54E	82	4.3b,4.3b		
NEIC	VII	13 08 45 04.6–.89	24.02N	124.32E	62–8	4.4b,4.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=24.7km s-min=17.3km az=64.0.
MOS Error ellipse: s-maj=18.8km s-min=10.3km az=107.3.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ66.00000°,λ130.00000°. NP2:ϕ_s147.00000°,δ46.00000°,λ35.00000°. $M_0$1.69000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=3.8km az=155.3.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.5km s-min=9.1km az=148.0. Recorded [1 JMA] on Ishigaki-jima.

(718) Hindu Kush region

ISC	**VII**	**13 08 50 36.5–.74**	**35.28N–.02**	**69.61E–.02**	**16–5**	**4.6b,3.6s**	**297**	**1-148**
BJI	VII	13 08 50 28.3	35.24N	68.82E	10	4.8b,4.7b		**¶13389063**
IDC	VII	13 08 50 34.0–.50	35.33N	69.49E	0	4.6,4.5		
ISCJB	VII	13 08 50 35.2–.68	35.31N–.02	69.66E–.03	21–5	4.6b,3.6s		
NEIC	VII	13 08 50 35.7–.30	35.29N	69.56E	10	4.6b,3.6s		
SZGRF	VII	13 08 50 37.1	35.40N	70.73E	33	4.2b,3.6s		
MOS	VII	13 08 50 37.6–1.4	35.41N	69.65E	33	4.8b,3.6s		
NNC	VII	13 08 50 43.3–4.0	35.76N	69.19E	103–41	4.9,4.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=11.6km s-min=11.1km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.3km az=31.4.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=5.4km az=174.0. Felt [II] at Kabul.
SZGRF Hindu Kush, Afghanistan, region.
MOS Error ellipse: s-maj=6.5km s-min=4.5km az=111.2.
NNC Error ellipse: s-maj=29.7km s-min=26.7km az=17.0.

(186) Vanuatu Islands

ISC	**VII**	**13 12 02 18.9–1.3**	**18.30S–.07**	**168.14E–.07**	**46–12**	**4.2b,4.2s**	**47**	**4-154**
LDG	VII	13 12 02 11.0–.12	18.51S	169.42E	10–0	4.4b,4.2s		**¶11136609**
IDC	VII	13 12 02 11.5–.74	18.16S	168.26E	0	4.8L,4.3		
NOU	VII	13 12 02 16.6–.89	17.95S	167.74E	30–0	4.6L,3.1		
NEIC	VII	13 12 02 17.5–.45	18.09S	168.14E	35	4.4b,3.1		
ISCJB	VII	13 12 02 17.2–1.5	18.31S–.07	168.13E–.07	46–14	4.2b,4.2s		
GCMT	VII	13 12 02 20.0–.30	18.21S	168.12E	40–1	5.0W,4.2s		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=12.5km s-min=2.1km az=118.0.
IDC Error ellipse: s-maj=21.3km s-min=18.1km az=69.0.
NOU Error ellipse: s-maj=11.6km s-min=34.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=9.4km az=160.0. Felt at Port-Vila.
ISCJB Event type fe. Error ellipse: s-maj=13.9km s-min=9.1km az=140.9.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s35,c41; s64,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}2.75±.17 $M_{\theta\theta}$0.03±.12; $M_{\phi\phi}$-2.78±.11; $M_{r\theta}$0.44±.11; $M_{\theta\phi}$0.53±.11; $M_{\phi r}$-2.25±.11; Best double couple: NP1:ϕ_s350.00000°,δ25.00000°,λ91.00000°. NP2:ϕ_s169.00000°,δ65.00000°,λ90.00000°. Principal axes: T 3.5700,Plg70.0000° ,Azm78.0000°; N 0.1300,Plg0.0000°,Azm169.0000°; P -3.6900,Plg20.0000°,Azm260.0000° $M_0$3.60000×10^{16}

(541) Belgium

ISC	**VII**	**13 13 45 49.6–.24**	**50.57N–.01**	**4.54E–.02**	**11–1**		**439**	**0-11**
ISCJB	VII	13 13 45 47.8–.29	50.52N–.01	4.50E–.02	7–2			**¶11121215**
UCC	VII	13 13 45 49.9–.44	50.63N	4.58E	6–1	3.2L		
CSEM	VII	13 13 45 49.0–.13	50.61N	4.51E	5	3.9L		
LDG	VII	13 13 45 49.9–.11	50.63N	4.58E	4–0	3.8L,3.4		
NEIC	VII	13 13 45 49.9	50.63N	4.58E	4	3.8L,3.7L		
BNS	VII	13 13 45 51.5–.26	50.60N	4.66E	10	3.5L,3.7L		
BGR	VII	13 13 45 52.0–.55	50.67N	4.77E	10	3.4L,3.7L		
STR	VII	13 13 45 51.2–.31	50.62N	4.50E	5–0	3.7L,3.7L		
PRU	VII	13 13 45 56.3	50.43N	5.14E	0	3.7L,3.7L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=141.1.
UCC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=144.0.
LDG Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=99.0.
NEIC Event type fe. Felt at Court-Saint-Etienne, Lasne, Ottignies and Overijse. After LDG.
BNS Event type ke.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=101.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(243) Taiwan region

ISC	**VII**	**13 14 58 34.4–.09**	**21.11N–.01**	**121.09E–.02**	**18**	**6.3s,5.6b**	**977**	**1-175**
NIED	VII	13 14 58 00	21.00N	121.10E	11	6.2W,5.6b		**¶12951262**
JMA	VII	13 14 58 28.8–.50	20.97N	121.10E	0	6.1,5.6b		
IDC	VII	13 14 58 30.1–.37	20.94N	121.02E	0	6.0s,6.0		
BJI	VII	13 14 58 31.7	21.18N	120.98E	11	6.8L,6.6s		
ISCJB	VII	13 14 58 32.4–.09	21.07N–.01	121.11E–.02	17	6.3s,5.6b		
DJA	VII	13 14 58 33	21.12N	121.19E	11	6.4W,5.6b		
TEH	VII	13 14 58 33.0	21.03N	121.11E	10	6.4W,5.6b		
NEIC	VII	13 14 58 33.0–.16	21.01N	121.15E	14	6.8,6.3s		
MOS	VII	13 14 58 34.7–1.4	21.06N	121.17E	33	6.4s,5.8b		
GCMT	VII	13 14 58 36.9–.10	21.04N	121.05E	15–0	6.2W,5.8b		
TAP	VII	13 14 58 36.8	21.42N	121.19E	44–0	5.6L,5.8b		
SZGRF	VII	13 14 58 37.8	21.63N	121.86E	33	6.7s,5.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s253.00000°,δ82.00000°,λ-132.00000°. NP2:ϕ_s154.00000°,δ42.00000°,λ-12.00000°. $M_0$2.33000×10^{18}
JMA Error ellipse: s-maj=6.7km s-min=7.3km az=-1.0.
IDC Error ellipse: s-maj=13.6km s-min=9.9km az=82.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=10.5.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=4.1km az=83.0. Felt at Kao-hsiung and T'ai-nan. Felt [I PIVS] at Itbayat, Batan Islands. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s350.00000°,δ80.00000°,λ5.00000°. NP2:ϕ_s259.00000°,δ85.00000°,λ170.00000°. Principal axes: T Plg11.0000°,Azm214.0000° ; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm305.0000° Moment Tensor Solution. s83 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.44 $M_{\theta\theta}$0.19 $M_{\phi\phi}$0.25 $M_{r\theta}$0.68 $M_{\theta\phi}$-1.95 $M_{\phi r}$0.17 Best double couple: NP1:ϕ_s179.00000°,δ69.00000°,λ-10.00000°. NP2:ϕ_s273.00000° ,δ81.00000°,λ-159.00000°. Principal axes: T 2.2200,Plg7.0000°,Azm44.0000° ; N -0.2500,Plg66.0000°,Azm295.0000°; P -1.9700,Plg21.0000°,Azm137.0000° $M_0$2.10000×10^{18}
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=114.2.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=114, comp=261, per= 50. Moment Tensor Solution. s113,c263; s98,c160; Moment tensor: Scale 10^{18}Nm; M_{rr}0.29±.01 $M_{\theta\theta}$0.79±.01; $M_{\phi\phi}$-1.08±.02; $M_{r\theta}$-0.51±.03; $M_{\theta\phi}$-2.13±.01; $M_{\phi r}$0.35±.03; Best double couple: NP1:ϕ_s257.00000°,δ78.00000°,λ168.00000°. NP2:ϕ_s349.00000°,δ79.00000°,λ12.00000°. Principal axes: T 2.3600,Plg17.0000°,Azm213.0000°; N 0.1100,Plg73.0000°,Azm32.0000° ; P -2.4700,Plg0.0000°,Azm123.0000° $M_0$2.40000×10^{18}
TAP C.
SZGRF Taiwan region.

(662) Sakhalin Island

SKHL	**VII**	**13 15 47 11.0–.20**	**53.30N**	**142.83E**	**10–0**	**3.8b**		**¶13596698**

SKHL Event type fe. Felt (II) at Tungor.

(86) Jamaica region

JSN	**VII**	**14 01 06 59.6–1.1**	**18.02N**	**76.78W**	**11–3**	**3.9**		
NEIC	VII	14 01 06 59.4	18.03N	76.78W	16	3.9		**¶11126393**

JSN Error ellipse: s-maj=3.1km s-min=1.9km az=-1.0. Moment Tensor Solution. NP1: ϕ_s249.20000°,δ52.20000°,λ26.60000°.
NEIC Event type fe. Felt at Half Way Tree and Kingston. After JSN.

(259) Mindanao

ISC	**VII**	**14 03 33 31.5–.29**	**7.16N–.02**	**125.92E–.03**	**67–2**	**4.7b**	**184**	**0-164**
MOS	VII	14 03 33 25.7–1.1	7.22N	126.02E	33	5.2b		**¶13389143**
IDC	VII	14 03 33 29.1–.44	7.27N	126.11E	46–3	4.5,4.4		
MAN	VII	14 03 33 29	7.13N	125.96E	58	5.2b,4.1s		
NEIC	VII	14 03 33 30.6–.94	7.22N	126.00E	61–8	4.9b,4.1s		
ISCJB	VII	14 03 33 30.1–.30	7.16N–.02	125.94E–.03	70–2	4.7b,4.1s		
DJA	VII	14 03 33 33	7.11N	126.05E	39	5.3b,4.1s		

ISC Event type fe.
MOS Error ellipse: s-maj=18.3km s-min=8.3km az=109.1.
IDC Error ellipse: s-maj=10.4km s-min=7.8km az=128.0.
MAN Event type fe. INTENSITY III - COMPOSTELA VALLEY; INTENSITY II - DAVAO CITY; TAGUM CITY.
NEIC Event type fe. Error ellipse: s-maj=12.5km s-min=6.1km az=70.0. Felt [III PIVS] at Compostela and [II PIVS] at Davao and Tagum.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.3km az=158.0.

(545) Northern Italy

ISC	**VII**	**14 03 51 41.1–.19**	**45.634N–.01**	**10.49E–.01**	**10–1**	**3.5b**	**621**	**0-64**
ISCJB	VII	14 03 51 39.8–.19	45.65N–.01	10.48E–.01	9–1	3.5b		**¶11121235**
SZGRF	VII	14 03 51 40.2	45.39N	10.46E	10	3.9b		
NEIC	VII	14 03 51 40.0	45.68N	10.56E	2	3.7L,3.7L		
CSEM	VII	14 03 51 40.7–.06	45.63N	10.52E	8	4.0L,3.7L		
ROM	VII	14 03 51 40.8–.14	45.68N	10.53E	4–1	3.5L,3.1		
VIE	VII	14 03 51 41.1–.23	45.68N	10.53E	8–1	3.7L,3.3b		
ZUR	VII	14 03 51 41.1	45.65N	10.48E	2–1	3.6L,3.3b		
IDC	VII	14 03 51 41.8–3.4	45.68N	10.68E	13–17	3.6,3.4b		
LDG	VII	14 03 51 42.1–.12	45.62N	10.60E	10–0	3.7L,3.4b		
STR	VII	14 03 51 43.1–.30	45.64N	10.28E	5–0	3.7L,3.4b		
PRU	VII	14 03 51 43.2	45.69N	10.75E	5	3.7L,3.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=163.9.
SZGRF Northern Italy.
NEIC Event type fe. Felt [IV] at Lonato, Polpenazze del Garda and Salo; [III] at Brescia, Gardone Riviera, Gavardo and Rivoltella. Also felt at Verona. After ROM.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=168.0.
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=84.0.
VIE Error ellipse: s-maj=1.4km s-min=1.3km az=30.0. 56 km SSW of Pinzolo .
IDC Error ellipse: s-maj=25.2km s-min=17.5km az=179.0.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=161.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(706) Northern Sumatera

ISC	**VII**	**14 04 44 53.0–.11**	**2.20N–.02**	**96.54E–.02**	**34**	**5.5b,5.4s**	**768**	**1-174**
IDC	VII	14 04 44 47.4–.42	2.25N	96.44E	0	5.2,5.2s		**¶11121237**
ISCJB	VII	14 04 44 50.9–.12	2.20N–.02	96.55E–.02	32	5.5b,5.4s		
MOS	VII	14 04 44 51.6–1.1	2.31N	96.59E	33	5.7b,5.3s		
NEIC	VII	14 04 44 51.6–.14	2.18N	96.52E	24	5.5b,5.5s		
BJI	VII	14 04 44 51.2	2.04N	96.56E	51	5.8s,5.8b		
SZGRF	VII	14 04 44 52.5	2.36N	96.84E	36	5.4b,5.3s		
DJA	VII	14 04 44 53	2.13N	96.56E	28	5.7W,5.3s		
GCMT	VII	14 04 44 54.1–.20	1.83N	96.28E	29–0	5.6W,5.3s		
TEH	VII	14 04 52 00.0	2.27N	96.60E	49	5.6W,5.3s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=10.7km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=30.1.
MOS Error ellipse: s-maj=6.8km s-min=3.9km az=117.6.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=207.0. Felt [IV] at Sinabang. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s315.00000°,δ25.00000°,λ105.00000°. NP2:ϕ_s119.00000°,δ66.00000°,λ83.00000°. Principal axes: T Plg68.0000°,Azm15.0000°; N Plg0.0000°,Azm0.0000°; P Plg21.0000° ,Azm214.0000° Moment Tensor Solution. s81 Moment tensor: Scale 10^{17}Nm; M_{rr}1.51 $M_{\theta\theta}$-1.10 $M_{\phi\phi}$-0.41 $M_{r\theta}$1.48 $M_{\theta\phi}$1.06 $M_{\phi r}$-0.76 Best double couple: NP1:ϕ_s315.00000° ,δ23.00000°,λ105.00000°. NP2:ϕ_s119.00000°,δ67.00000°,λ84.00000°. Principal axes: T 2.2100,Plg66.0000°,Azm17.0000°; N 0.3300,Plg5.0000°,Azm121.0000° ; P -2.5400,Plg22.0000°,Azm213.0000° $M_0$2.40000×10^{17}
SZGRF Northern Sumatera, Indonesia.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c147; s94,c174; Moment tensor: Scale 10^{17}Nm; M_{rr}1.59±.05 $M_{\theta\theta}$-1.27±.03; $M_{\phi\phi}$-0.32±.04; $M_{r\theta}$1.83±.08; $M_{\theta\phi}$1.10±.03; $M_{\phi r}$-1.60±.09; Best double couple: NP1:ϕ_s293.00000°,δ19.00000°,λ74.00000°. NP2:ϕ_s130.00000°,δ72.00000°,λ95.00000°. Principal axes: T 2.8400,Plg63.0000° ,Azm49.0000°; N 0.3700,Plg5.0000°,Azm309.0000°; P -3.2100,Plg27.0000°,Azm216.0000° $M_0$3.00000×10^{17}

(115) Near coast of Peru

ISC	**VII**	**14 10 15 03.9–.85**	**12.09S–.08**	**77.38W–.09**	**53**	**3.9b**	**11**	**1-135**
ISCJB	VII	14 10 15 01.5–.84	12.10S–.08	77.49W–.08	51	3.9b		**¶11811549**
NEIC	VII	14 10 15 03.2–.74	12.16S	77.49W	51	4.0		
IDC	VII	14 10 15 04.3–2.0	11.82S	77.24W	52–7	3.8,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=8.7km az=135.4.
NEIC Event type fe. Error ellipse: s-maj=18.2km s-min=11.5km az=56.0. Felt [III] at Callao and [II] at Chosica, Huaral and Lima.
IDC Error ellipse: s-maj=89.8km s-min=30.0km az=43.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**14 10 41 09.7–1.0**	**35.87N–.05**	**141.03E–.08**	**23–6**	**3.5b**	**20**	**0-60**
NIED	VII	14 10 41 00	35.90N	141.00E	41	3.9W		**¶11747004**

IDC VII 14 10 41 05.4–1.7 35.89N 141.32E 0 3.6b,3.6
ISCJB VII 14 10 41 08.5–1.0 35.87N–.05 141.09E–.08 29–5 3.6b,3.6
JMA VII 14 10 41 10.4–.10 35.82N 140.94E 28–1 3.6,3.6
NEIC VII 14 10 41 10.4 35.82N 140.94E 28 3.6,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s99.00000°,δ55.00000°,λ98.00000°. NP2:ϕ_s266.00000°,δ36.00000°,λ79.00000°. $M_0$6.79000×10^{14}
IDC Error ellipse: s-maj=42.1km s-min=16.9km az=37.0.
ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=8.2km az=168.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.

(226) Near west coast of eastern Honshu

JMA VII 14 11 18 24.6–.10 40.04N 139.48E 16–1 3.7
NIED VII 14 11 18 00 40.00N 139.50E 8 3.4W **¶11747006**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ71.00000°,λ128.00000°. NP2:ϕ_s334.00000°,δ42.00000°,λ29.00000°. $M_0$1.40000×10^{14}

(227) Eastern Honshu

ISC VII 14 12 18 41.1–1.2 39.80N–.04 142.0E–.10 68–7 24 0-4
ISCJB VII 14 12 18 40.6–1.2 39.79N–.04 142.0E–.10 72–7 **¶13507184**
JMA VII 14 12 18 41.2 39.79N 141.96E 69–1 3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.2km s-min=6.0km az=177.2.
JMA Event type fe.

(227) Eastern Honshu

ISC VII 14 14 56 40.6–.43 39.13N–.02 140.91E–.03 9–3 4.3b,3.2s 102 0-146
NIED VII 14 14 56 00 39.10N 140.90E 5 4.1W,3.2s **¶13389193**
IDC VII 14 14 56 39.0–.58 39.10N 140.74E 0 4.2,4.1
BJI VII 14 14 56 39.4 38.85N 140.71E 8 4.6b,4.5b
NEIC VII 14 14 56 40.3 39.13N 140.90E 11 4.6b,4.1W
JMA VII 14 14 56 40.2 39.13N 140.90E 11–1 4.3,4.1W
ISCJB VII 14 14 56 40.1–.41 39.14N–.02 140.91E–.03 20–3 4.3b,3.2s
MOS VII 14 14 56 41.5–.97 39.10N 140.92E 33 4.5b,3.2s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ51.00000°,λ122.00000°. NP2:ϕ_s357.00000°,δ49.00000°,λ57.00000°. $M_0$1.75000×10^{15}
IDC Error ellipse: s-maj=17.7km s-min=13.5km az=104.0.
NEIC Event type fe. Recorded [3 JMA] in Miyagi; [2 JMA] in Akita and Iwate; [1 JMA] in Fukushima and Yamagata. After JMA. Moment Tensor Solution. $M_0$1.80000×10^{15}
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.3km az=27.8.
MOS Error ellipse: s-maj=11.3km s-min=6.9km az=85.4.

(159) North Island

WEL VII 14 14 56 49.3–.08 37.81S 176.84E 5 3.5L
¶11207474
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.

(88) Dominican Republic region

ISC VII 14 16 18 34.8–1.7 19.59N–.07 69.90W–.03 5–11 3.6b,3.0s 41 1-158
SSNC VII 14 16 18 31.7 23.30N 70.58W 25 4.5L,4.4 **¶11121255**
ISCJB VII 14 16 18 34.3–1.4 19.69N–.07 69.85W–.03 10–10 3.6b,3.0s
IDC VII 14 16 18 34.9–1.1 19.72N 69.77W 0 3.8,3.6
NEIC VII 14 16 18 35.2–3.7 19.58N 69.87W 6–27 4.2,3.6
RSPR VII 14 16 18 38.2 19.63N 69.86W 5–31 4.2,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=4.2km az=14.6.
IDC Error ellipse: s-maj=35.0km s-min=31.6km az=20.0.
NEIC Event type fe. Error ellipse: s-maj=17.5km s-min=6.5km az=198.0. Felt at Nagua.
RSPR Event type ke.

(28) Washington-Oregon border region

ISC VII 14 18 45 55.1–.35 45.15N–.01 120.93W–.02 15–3 4.9b,4.0s 239 0-100
IDC VII 14 18 45 51.6–1.7 45.34N 121.17W 0 3.8,3.5 **¶11121257**
BJI VII 14 18 45 52.0 44.77N 121.51W 22 5.0b,4.9b
ISCJB VII 14 18 45 53.7–.14 45.13N–.01 120.84W–.02 10 4.9b,4.0s
NEIC VII 14 18 45 55.0 45.13N 120.95W 21 4.2,3.8b
PNSN VII 14 18 45 55.2 45.13N 120.95W 17 4.2,3.8b
ISC Event type fe.
IDC Error ellipse: s-maj=17.8km s-min=10.4km az=143.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.6km az=6.6.
NEIC Event type fe. Felt [III] at Bend and Prineville. Felt at Antelope, Redmond, Terrebonne, The Dalles and Wasco. Also felt at Centerville, Washington. After SEA. Moment Tensor Solution. $M_0$7.20000×10^{14}
PNSN Moment Tensor Solution. NP1:ϕ_s165.00000°,δ60.00000° NP2:ϕ_s255.00000°,δ90.00000° Principal axes: T Plg21.0000°,Azm124.0000°; P Plg21.0000°,Azm26.0000°

(116) Central Peru

ISC VII 14 22 37 03.2–.37 10.16S–.06 75.03W–.06 10 4.6b,3.6s 323 3-170
NEIC VII 14 22 36 58.5–.49 10.67S 74.58W 10 4.7b,4.1L **¶11133958**
ISCJB VII 14 22 37 01.5–.36 10.12S–.05 75.11W–.06 10 4.6b,3.6s
IDC VII 14 22 37 01.5–.55 10.23S 75.39W 0 4.4,4.3b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=9.7km az=88.0. Felt [III] at Huancabamba and [II] at Oxapampa and Pozuzo.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=7.3km az=157.5.
IDC Error ellipse: s-maj=15.5km s-min=12.1km az=89.0.

(369) Dodecanese Islands

ISC VII 15 03 26 36.5–.07 35.923N–.01 27.804E–.01 65 6.3b 3699 0-167
BGS VII 15 03 26 21.3–1.8 34.83N 28.80E 52–0 6.3b,5.8s **¶13389231**
SZGRF VII 15 03 26 31.9 35.96N 28.27E 33 6.7b,5.8s
NIC VII 15 03 26 32.7–.20 35.69N 27.85E 65 5.9L,5.9b
PDG VII 15 03 26 33.0–.57 35.86N 27.90E 20–2 6.5,6.3L
BJI VII 15 03 26 33.0 36.23N 27.49E 56 6.1s,6.0b
DJA VII 15 03 26 33 35.72N 27.97E 13 6.4W,6.0b
MOS VII 15 03 26 33.4–.96 35.77N 27.95E 76 6.6b,6.0s
ISK VII 15 03 26 33.7 35.80N 27.88E 32 6.4L,6.0s
NEIC VII 15 03 26 34.7–.13 35.80N 27.86E 52 6.8,6.5b
IDC VII 15 03 26 34.8–.73 36.05N 27.72E 44–5 6.0,6.0b
CSEM VII 15 03 26 34.3–.05 35.73N 27.86E 58 6.4W,6.4b
ISCJB VII 15 03 26 34.9–.07 35.918N–.01 27.827E–.01 63 6.4b,6.4b
ATH VII 15 03 26 34.5 35.85N 27.92E 56–1 6.2L,6.4b
PDA VII 15 03 26 35.9 36.03N 27.70E 52 6.4W,6.4b
SGS VII 15 03 26 35.8 35.78N 27.95E 56 6.4W,6.4b
THE VII 15 03 26 35.5 35.83N 28.03E 33–3 7.0L,6.4b
DDA VII 15 03 26 36.4 36.01N 27.97E 57–11 6.1L,6.4b
SFS VII 15 03 26 36.0 35.98N 27.79E 68 6.4L,6.4b
HLW VII 15 03 26 37.0 35.40N 28.09E 33–69 6.2L,4.3
GCMT VII 15 03 26 39.8–.10 35.67N 27.69E 42–0 6.4W,4.3
NSSC VII 15 03 26 54 35.78N 29.90E 40 6.4W,4.3
TEH VII 15 03 29 00.0 35.98N 27.79E 68 6.4W,4.3
ISC Event type de.
BGS Error ellipse: s-maj=341.7km s-min=284.8km az=-1.0.
SZGRF Eastern Mediterranean Sea.
NIC Event type fe. Felt earthquake; Maximum Intensity 3; DODECANESE ISLANDS, GREECE - Felt I=III MM at Paphos, Polis, Limassol and Nicosi.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=90.0.
MOS Error ellipse: s-maj=4.3km s-min=1.8km az=116.6.
NEIC Event type de. Error ellipse: s-maj=2.8km s-min=1.9km az=19.0. One person killed on Rhodes. Felt [VII] at Trianta, [VI] at Lardos, [V] at Rodos and [III] at Iraklion and Kos. Also felt at Afantou, Antimacheia, Ayios Nikolaos, Chania, Gazion, Ierapetra, Kallithea, Karpathos, Kissamos, Kolimvarion, Kremasti, Masari, Neapolis, Oia, Rethymnon, Soroni, Thira and on Simi. Felt [V] at Marmaris, [IV] at Alanya and Bodrum and [III] at Fethiye, Turkey. Also felt at Antalya, Aydin, Izmir, Kusadasi, Milas, Mugla, Soke and Urla. Felt [III] at Paphos and [II] at Limassol, Cyprus. Also felt at Kyrenia, Nicosia and Polis. Felt [III] at Alexandria, Al Jizah and Cairo, Egypt. Also felt at Al Maks, Az Zaqaziq, Damanhur, Fa'id and Tanta. Felt at Kefar Sava, Haifa and Ramat Gan, Israel; at Beirut, Lebanon; at Ramallah, West Bank and at Damascus, Syria. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s5.00000°,δ65.00000°,λ175.00000°. NP2: ϕ_s97.00000°,δ85.00000°,λ25.00000°. Principal axes: T Plg21.0000°,Azm324.0000° ; N Plg0.0000°,Azm0.0000°; P Plg14.0000°,Azm228.0000° Moment Tensor Solution. s149 Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-0.61 $M_{r\theta}$1.73 $M_{\theta\phi}$2.66 $M_{\phi r}$0.37 Best double couple: NP1:ϕ_s3.00000°,δ59.00000°,λ173.00000°. NP2:ϕ_s97.00000°,δ84.00000° ,λ31.00000°. Principal axes: T 3.4400,Plg25.0000°,Azm324.0000°; N -0.4400,Plg58.0000° ,Azm106.0000°; P -3.0000,Plg16.0000°,Azm226.0000° $M_0$3.20000×10^{18}
IDC Error ellipse: s-maj=7.4km s-min=6.6km az=142.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=22.0.
ISCJB Event type de. Error ellipse: s-maj=1.4km s-min=0.9km az=9.6.
ATH Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=105.0.
SFS Event type ke.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 106 sta. Surface waves: sta=116, comp=270, per= 50. Moment Tensor Solution. s107,c247; s99,c188; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.22±.03 $M_{\theta\theta}$-0.04±.03; $M_{\phi\phi}$1.26±.03; $M_{r\theta}$2.56±.04; $M_{\theta\phi}$3.96±.03; $M_{\phi r}$0.38±.04; Best double couple: NP1:ϕ_s357.00000°,δ55.00000°,λ-169.00000°. NP2:ϕ_s261.00000°,δ81.00000°,λ-36.00000°. Principal axes: T 5.2400,Plg18.0000° ,Azm314.0000°; N -0.8000,Plg53.0000°,Azm69.0000°; P -4.4400,Plg31.0000° ,Azm213.0000° $M_0$4.80000×10^{18}
NSSC Event type fe.

(226) Near west coast of eastern Honshu

JMA VII 15 05 41 55.8 37.15N 136.59E 10–1 3.9
¶13507492
JMA Event type fe.

(254) Panay

MAN VII 15 08 15 14 11.34N 122.86E 21 4.3b,3.2L
¶13728143
MAN Event type fe. INTENSITY I - MUNICIPALITY OF PRESIDENT ROXAS CAPIZ.

(307) Sichuan

ISC VII 15 09 26 21.6–.71 31.54N–.02 104.12E–.02 5–4 4.9b,4.1s 457 1-148
IDC VII 15 09 26 20.0–.51 31.54N 104.15E 0 4.8,4.7 **¶13389246**
ISCJB VII 15 09 26 20.7–.82 31.50N–.02 104.13E–.02 12–5 4.9b,4.1s
BJI VII 15 09 26 21.4 31.48N 104.27E 15 4.9L,4.8b
NEIC VII 15 09 26 22.2–.14 31.56N 104.12E 10 5.0b,4.3s
MOS VII 15 09 26 23.5–.97 31.53N 104.22E 33 5.1b,4.2s
DJA VII 15 09 26 28 30.41N 103.29E 27 5.5b,4.2s
SZGRF VII 15 09 26 36.4 32.76N 103.35E 33 5.3b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=17.2km s-min=11.8km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=35.1.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=41.0. Felt at Nanchong.
MOS Error ellipse: s-maj=6.9km s-min=4.3km az=113.8.
SZGRF Sichuan, China.

(227) Eastern Honshu

ISC VII 15 12 37 14.7–.41 35.51N–.03 138.99E–.05 24–3 3.9b 47 0-149
NIED VII 15 12 37 00 35.50N 139.00E 20 3.9W **¶11126422**
ISCJB VII 15 12 37 13.9–.39 35.50N–.03 139.03E–.05 32–3 3.9b
JMA VII 15 12 37 14.9 35.53N 138.98E 21–1 4.1
IDC VII 15 12 37 14.5–.53 35.51N 138.90E 24–3 3.8,3.8L
NEIC VII 15 12 37 14.9 35.53N 138.98E 21 4.3b,3.8L
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ73.00000°,λ68.00000°. NP2:ϕ_s257.00000°,δ28.00000°,λ141.00000°. $M_0$9.17000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=176.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s232.00000°,δ38.00000°,λ97.00000°. NP2:ϕ_s43.00000°,δ52.00000°,λ85.00000°. Principal axes: T Plg82.0000°,Azm284.0000°; N Plg4.0000°,Azm46.0000°; P Plg7.0000° ,Azm137.0000°
IDC Error ellipse: s-maj=18.3km s-min=8.8km az=70.0.
NEIC Event type fe. Felt in Akishima and at Atsugi and Sagamihara. After JMA.

(227) Eastern Honshu

ISC VII 15 13 23 06.6–.38 35.51N–.02 138.98E–.04 22–3 4.1b,3.5s 70 0-93
NIED VII 15 13 23 00 35.50N 139.00E 11 4.1W,3.5s **¶11126424**
MOS VII 15 13 23 05.4–1.1 35.42N 139.08E 33 4.8b,3.5s
ISCJB VII 15 13 23 06.0–.35 35.50N–.02 139.03E–.04 32–2 4.1b,3.5s
JMA VII 15 13 23 06.7–.10 35.53N 138.99E 21–1 4.3,3.5s
NEIC VII 15 13 23 06.6–.40 35.49N 138.95E 23 4.6b,4.1W
IDC VII 15 13 23 06.5–.52 35.52N 138.96E 21–3 4.2L,4.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ75.00000°,λ120.00000°. NP2:ϕ_s174.00000°,δ33.00000°,λ28.00000°. $M_0$1.57000×10^{15}
MOS Error ellipse: s-maj=14.5km s-min=7.9km az=102.7.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.6km az=178.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s186.00000°,δ39.00000°,λ32.00000°. NP2:ϕ_s70.00000°,δ70.00000°,λ124.00000°. Principal axes: T Plg52.0000°,Azm20.0000°; N Plg32.0000°,Azm237.0000°; P Plg18.0000° ,Azm135.0000°
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=8.3km az=87.0. Felt in Akishima, Ayase and at Tokyo. Recorded [3 JMA] in Kanagawa and Yamanashi; [2 JMA] in Shizuoka and Tokyo; [1 JMA] in Chiba, Gumma, Nagano and Saitama. Moment Tensor Solution. $M_0$1.60000×10^{15}
IDC Error ellipse: s-maj=16.0km s-min=8.2km az=72.0.

(460) Wyoming

ISC VII 15 18 04 23.9–.35 43.76N–.04 105.18W–.05 0 3.8b 56 1-90
ISCJB VII 15 18 04 22.2–.38 43.75N–.04 105.20W–.05 0 3.8b **¶11811673**
NEIC VII 15 18 04 23.8–.33 43.75N 105.18W 0 3.3L
IDC VII 15 18 04 25.1–.90 44.04N 105.78W 0 3.7b,3.7
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.7km s-min=4.5km az=136.3.
NEIC Event type fm. Error ellipse: s-maj=5.1km s-min=4.2km az=143.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.5km s-min=7.7km az=145.0.

(122) Near coast of northern Chile

ISC VII 15 19 17 44.5–.69 22.60S–.03 70.15W–.03 34–4 4.8b,4.1s 455 1-175
IDC VII 15 19 17 39.2–.48 22.44S 70.28W 0 4.7,4.7 **¶11126431**
ISCJB VII 15 19 17 40.8–.93 22.47S–.03 70.13W–.04 19–7 4.8b,4.1s
NEIC VII 15 19 17 42.8–1.5 22.54S 70.23W 25–10 4.9b,4.9L
LDG VII 15 19 17 42.4–.30 21.56S 70.14W 10–0 4.9b,4.0s
BJI VII 15 19 17 43.7 22.50S 70.20W 25 5.2s,5.0b
GUC VII 15 19 17 44.2–.56 22.59S 70.09W 25–4 4.9L,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=21.2km s-min=14.6km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=5.2km az=43.2.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.5km az=58.0. Felt [III] at Mejillones and Tocopilla; [II] at Maria Elena.
LDG Event type ke. Error ellipse: s-maj=26.5km s-min=9.3km az=171.0.
GUC Error ellipse: s-maj=1.7km s-min=5.1km az=-1.0.

(163) Cook Strait

WEL VII 16 01 42 59.6–.08 40.94S 174.65E 68–1 4.2L
NEIC VII 16 01 42 59.7 40.94S 174.65E 66 4.1L **¶11207531**
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0. Felt from Manawatu to Marlborough, maximum reported intensity MM 4.
NEIC Event type se. After WEL.

(238) Ryukyu Islands

ISC VII 16 02 12 16.5–.35 27.49N–.05 128.44E–.07 45–5 4.0b,3.6s 51 1-83
NIED VII 16 02 12 00 27.40N 128.50E 44 4.0W,3.6s **¶11747029**
ISCJB VII 16 02 12 15.6–.34 27.49N–.05 128.45E–.07 55–5 4.0b,3.6s
NEIC VII 16 02 12 15.0–6.2 27.51N 128.46E 34–42 4.2b,3.6s
JMA VII 16 02 12 16.5–.10 27.42N 128.53E 43–3 4.2,3.6s
IDC VII 16 02 12 21.5–4.0 27.51N 128.42E 94–36 3.7,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ67.00000°,λ90.00000°. NP2:ϕ_s223.00000°,δ23.00000°,λ91.00000°. $M_0$1.17000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=3.9km az=39.9.
NEIC Event type fe. Error ellipse: s-maj=19.7km s-min=9.8km az=69.0. Recorded [2 JMA] on Tokuno-shima and [1 JMA] on Okinawa and Okino-erabu-shima.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=30.9km s-min=17.0km az=73.0.

(267) Halmahera

ISC VII 16 07 05 57.5–3.5 1.86N–.06 128.86E–.06 5–23 4.5b,3.0s 32 2-60
IDC VII 16 07 05 56.7–.74 1.86N 128.87E 0 4.3,4.2 **¶11811721**
ISCJB VII 16 07 05 57.7–2.7 1.84N–.05 128.82E–.06 20–20 4.5b,3.0s
NEIC VII 16 07 05 57.9–.44 1.88N 128.85E 10 4.7b,3.0s
DJA VII 16 07 06 02 1.59N 128.56E 2 4.5,3.0s
ISC Event type fe.
IDC Error ellipse: s-maj=28.9km s-min=14.1km az=78.0.

ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=9.2km az=177.7.
NEIC Event type fe. Error ellipse: s-maj=16.9km s-min=6.9km az=73.0. Felt at Ternate.

(1) Central Alaska

ISC	**VII**	**16 10 11 59.5–.69**	**64.60N–.03**	**149.57W–.06**	**14–5**	**4.2b**	**62**	**1-69**
BJI	VII	16 10 11 57.4	64.20N	149.25W	30	5.0b,4.8b		**¶11126447**
ISCJB	VII	16 10 11 59.4–.64	64.62N–.03	149.56W–.07	28–5	4.2b,4.8b		
NEIC	VII	16 10 12 00.6	64.59N	149.53W	30	4.2L,3.9W		
IDC	VII	16 10 12 02.5–.86	64.82N	149.76W	25–6	3.8,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.6km az=151.1.
NEIC Event type fe. Felt [IV] at Nenana and [III] at Fairbanks. Also felt at Anderson and Palmer. After AEIC. Moment Tensor Solution. $M_0$9.90000×10^{14}
IDC Error ellipse: s-maj=15.7km s-min=13.0km az=67.0.

(249) Luzon

MAN	**VII**	**16 12 17 35**	**15.56N**	**121.24E**	**3**	**4.1b,2.9L**		
								¶13728152

MAN Event type fe. INTENSITY III - BARRIO ATATE PALAYAN CITY; INTENSITY II - BARRIO SINGALAT PALAYAN CITY; PANSOL LAGUNA.

(177) Kermadec Islands region

ISC	**VII**	**16 12 48 40.4–2.1**	**28.54S–.04**	**175.71W–.05**	**9–13**	**4.9b,4.5s**	**433**	**2-167**
ISCJB	VII	16 12 48 38.3–2.2	28.57S–.04	175.74W–.05	6–13	4.9b,4.5s		**¶11126451**
IDC	VII	16 12 48 39.6–.42	28.19S	175.73W	0	5.3L,4.8		
BJI	VII	16 12 48 40.9	27.81S	175.33W	13	5.5b,5.2s		
NEIC	VII	16 12 48 41.2–.14	28.22S	175.74W	10	4.9b,5.2s		
GCMT	VII	16 12 48 45.4–.20	28.08S	175.43W	17–0	5.1W,5.2s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.5km az=39.3.
IDC Error ellipse: s-maj=16.5km s-min=13.8km az=151.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.1km az=140.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s39,c53; s75,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.05±.24 $M_{\theta\theta}$-1.21±.18; $M_{\phi\phi}$5.27±.15; $M_{r\theta}$0.61±.52; $M_{\theta\phi}$1.16±.11; $M_{\phi r}$-0.34±.33; Best double couple: NP1:ϕ_s203.00000°,δ45.00000°,λ-71.00000°. NP2:ϕ_s357.00000°,δ48.00000°,λ-108.00000°. Principal axes: T 5.4800,Plg1.0000° ,Azm100.0000°; N -1.2600,Plg13.0000°,Azm9.0000°; P -4.2100,Plg77.0000°,Azm196.0000° $M_0$4.80000×10^{16}

(228) Near east coast of eastern Honshu

JMA	**VII**	**16 15 51 16.8–.10**	**36.69N**	**141.01E**	**47–1**	**3.6**		
								¶13508089

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s204.00000°,δ15.00000°,λ97.00000°. NP2:ϕ_s18.00000°,δ75.00000°,λ88.00000°. Principal axes: T Plg60.0000°,Azm285.0000°; N Plg2.0000°,Azm18.0000°; P Plg30.0000° ,Azm109.0000°

(460) Wyoming

ISC	**VII**	**16 18 09 26.3–.40**	**43.75N–.04**	**105.21W–.05**	**0**	**3.9b**	**49**	**1-85**
ISCJB	VII	16 18 09 24.5–.41	43.74N–.04	105.22W–.05	0	3.9b		**¶11811770**
NEIC	VII	16 18 09 26.3–.28	43.74N	105.22W	0	3.3L		
IDC	VII	16 18 09 26.1–1.8	43.72N	105.50W	0	3.8b,3.8		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.8km s-min=4.7km az=39.4.
NEIC Event type fm. Error ellipse: s-maj=4.1km s-min=3.3km az=132.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=54.6km s-min=7.5km az=149.0.

(238) Ryukyu Islands

ISC	**VII**	**16 18 58 27.7–.30**	**26.17N–.05**	**126.60E–.04**	**69–4**	**3.9b**	**51**	**0-79**
NIED	VII	16 18 58 00	26.20N	126.60E	62	3.9W		**¶11747039**
ISCJB	VII	16 18 58 26.8–.30	26.14N–.04	126.62E–.04	76–4	3.9b		
JMA	VII	16 18 58 27.4	26.18N	126.56E	64–1	3.7		
NEIC	VII	16 18 58 28.9–2.3	26.12N	126.55E	82–20	4.4b		
IDC	VII	16 18 58 30.9–4.2	26.12N	126.53E	99–39	3.7,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s156.00000°,δ67.00000°,λ-27.00000°. NP2:ϕ_s258.00000°,δ65.00000°,λ-154.00000°. $M_0$7.22000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=3.8km az=141.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=7.2km az=67.0.
IDC Error ellipse: s-maj=32.6km s-min=13.0km az=69.0.

(216) Mariana Islands

ISC	**VII**	**16 19 07 11.4–1.0**	**16.53N–.05**	**146.04E–.07**	**107–10**	**4.4b**	**55**	**3-147**
ISCJB	VII	16 19 07 10.3–1.1	16.53N–.05	146.03E–.07	113–10	4.4b		**¶11480018**
BJI	VII	16 19 07 11.6	16.50N	146.00E	121	4.7b,4.4b		
IDC	VII	16 19 07 11.8–1.6	16.52N	145.91E	113–16	4.1,4.0		
NEIC	VII	16 19 07 12.7–1.6	16.49N	146.02E	121–15	4.5b,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=8.8km az=174.5.
IDC Error ellipse: s-maj=17.7km s-min=10.4km az=86.0.
NEIC Event type fe. Error ellipse: s-maj=10.4km s-min=9.3km az=211.0. Felt on Saipan.

(378) Pyrenees

ISC	**VII**	**16 20 33 31.8–.18**	**43.219N–.01**	**0.41W–.01**	**4–1**		**1083**	**0-13**
ISCJB	VII	16 20 33 29.5–.24	43.27N–.01	0.47W–.01	1–2			**¶11163164**
CSEM	VII	16 20 33 32.3–.06	43.23N	0.38W	5	4.3L		
MDD	VII	16 20 33 33.3–.19	43.18N	0.38W	0	3.6		
STR	VII	16 20 33 33.7–.12	43.11N	0.37W	5–0	4.2L		
LDG	VII	16 20 33 34.2–.06	43.17N	0.38W	5–0	4.4L,3.8		
NEIC	VII	16 20 33 34.2	43.17N	0.38W	5	4.4L,4.3L		
INMG	VII	16 20 33 34.6–1.1	43.10N	0.42W	4–2	3.7,3.3L		
PRU	VII	16 20 33 58.0	42.84N	1.20E	96	3.7,3.3L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.7km az=33.5.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=142.0.
MDD Error ellipse: s-maj=2.1km s-min=1.4km az=0.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=133.0.
NEIC Event type fe. Felt at Pau, France. After LDG.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=27.0.

(706) Northern Sumatera

ISC	**VII**	**16 21 25 36.6–.89**	**5.10N–.05**	**94.78E–.07**	**67–9**	**4.4b**	**134**	**3-141**
BJI	VII	16 21 25 29.7	5.24N	94.68E	20	4.8b,4.6b		**¶11126458**
NEIC	VII	16 21 25 34.8–1.1	5.02N	94.66E	53–9	4.5b,4.6b		
ISCJB	VII	16 21 25 35.2–1.1	5.10N–.05	94.83E–.07	69–10	4.4b,4.6b		
IDC	VII	16 21 25 36.0–.89	5.23N	94.88E	58–7	4.2,4.1		
DJA	VII	16 21 26 03	4.12N	96.80E	34	4.5,4.1		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=6.1km az=48.0. Felt [III] at Banda Aceh.
ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=6.5km az=155.9.
IDC Error ellipse: s-maj=25.8km s-min=10.7km az=46.0.

(238) Ryukyu Islands

JMA	**VII**	**17 07 49 48.5–.20**	**28.20N**	**129.93E**	**24–2**	**3.7**		
NIED	VII	17 07 49 00	28.20N	129.90E	11	3.8W		**¶11747042**

JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s283.00000°,δ49.00000°,λ-117.00000°. NP2:ϕ_s140.00000°,δ48.00000°,λ-63.00000°. $M_0$4.84000×10^{14}

(248) Philippine Islands region

ISC	**VII**	**17 10 12 05.9–.25**	**11.14N–.02**	**126.33E–.04**	**52**	**4.8b,4.0s**	**173**	**2-165**
MAN	VII	17 10 11 59	11.38N	126.73E	43	5.3b,4.5s		**¶11132454**
MOS	VII	17 10 12 01.6–1.2	11.00N	126.22E	33	5.0b,4.5s		
ISCJB	VII	17 10 12 03.8–.25	11.16N–.02	126.38E–.03	50	4.8b,4.0s		
BJI	VII	17 10 12 04.3	11.00N	126.22E	55	4.9b,4.8b		
NEIC	VII	17 10 12 05.5–.29	11.08N	126.31E	51	4.7b,4.8b		
IDC	VII	17 10 12 05.3–.61	11.05N	126.20E	50–5	4.4,4.3		
DJA	VII	17 10 12 19	10.98N	126.38E	204	4.6b,4.3		

ISC Event type fe.
MAN Event type fe. INTENSITY II - TACLOBAN CITY.
MOS Error ellipse: s-maj=14.4km s-min=6.6km az=123.6.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.4km az=1.4.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=6.3km az=65.0. Felt [II PIVS] at Tacloban, Leyte.
IDC Error ellipse: s-maj=20.6km s-min=10.1km az=69.0.

(307) Sichuan

ISC	**VII**	**17 16 40 42.9–.12**	**31.64N–.02**	**104.21E–.02**	**17**	**4.9b,4.2s**	**514**	**1-163**
IDC	VII	17 16 40 40.0–.40	31.66N	104.29E	0	4.7,4.7		**¶13389448**
ISCJB	VII	17 16 40 40.7–.13	31.63N–.02	104.23E–.02	16	4.9b,4.2s		
NEIC	VII	17 16 40 42.6–.13	31.64N	104.20E	16	5.1b,4.4s		
BJI	VII	17 16 40 42.2	31.60N	104.32E	17	4.8b,4.7s		
MOS	VII	17 16 40 43.0–.77	31.64N	104.30E	33	5.1b,4.3s		
SZGRF	VII	17 16 40 45.3	31.54N	104.33E	16	5.4b,4.5s		

ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=10.0km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.7km az=12.9.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=204.0. Felt at Chengdu.
MOS Error ellipse: s-maj=6.8km s-min=3.9km az=117.9.
SZGRF Sichuan, China.

(230) Near south coast of eastern Honshu

ISC	**VII**	**17 19 05 00.8–.48**	**35.75N–.05**	**139.26E–.07**	**150–3**	**3.5b**	**33**	**0-59**
ISCJB	VII	17 19 04 59.6–.48	35.74N–.05	139.25E–.07	154–3	3.5b		**¶11747048**
NIED	VII	17 19 05 00	35.70N	139.30E	200	3.6W		
IDC	VII	17 19 05 00.0–1.2	35.75N	139.36E	146–6	3.3,3.2		
JMA	VII	17 19 05 01.7–.10	35.72N	139.25E	144–1	3.5,3.2		
NEIC	VII	17 19 05 01.6–1.9	35.51N	138.73E	143–30	3.9b,3.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=6.5km az=143.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ86.00000°,λ96.00000°. NP2:ϕ_s153.00000°,δ7.00000°,λ33.00000°. $M_0$3.04000×10^{14}
IDC Error ellipse: s-maj=33.7km s-min=7.3km az=67.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=193.4km s-min=14.4km az=63.0.

(274) Southern Sumatera

ISC	**VII**	**18 02 48 00.3–.65**	**1.29S–.06**	**100.53E–.09**	**102–5**	**4.3b**	**44**	**1-145**
ISCJB	VII	18 02 47 59.1–.68	1.29S–.06	100.52E–.09	108–5	4.3b		**¶11811897**
IDC	VII	18 02 48 00.5–2.6	1.16S	100.77E	105–22	3.7b,3.7		
NEIC	VII	18 02 48 01.1–1.2	1.21S	100.73E	112–10	4.5b,3.7		
DJA	VII	18 02 48 01	1.29S	100.54E	77	4.3,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=16.8km s-min=7.2km az=152.4.
IDC Error ellipse: s-maj=29.0km s-min=13.8km az=56.0.
NEIC Event type fe. Error ellipse: s-maj=17.7km s-min=8.2km az=57.0. Felt [III] at Painan.

(105) Near coast of Ecuador

ISC	**VII**	**18 05 41 55.9–.42**	**1.97S–.03**	**80.27W–.03**	**74–4**	**4.8b**	**583**	**1-164**
IGQ	VII	18 05 41 50.1	2.05S	80.59W	74–15	5.1b,5.0s		**¶11133625**
SZGRF	VII	18 05 41 50.8	2.63S	79.69W	42	4.9b,4.4s		
GCMT	VII	18 05 41 53.7–.30	1.98S	80.36W	48–1	5.0W,4.4s		
ISCJB	VII	18 05 41 54.5–.45	1.96S–.03	80.32W–.03	79–4	4.8b,4.4s		
IDC	VII	18 05 41 55.3–1.7	1.89S	80.28W	74–16	4.5,4.4		
NEIC	VII	18 05 41 55.5–.64	1.98S	80.28W	76–5	5.1,4.9b		

ISC Event type fe.
IGQ Error ellipse: s-maj=5.0km s-min=2.5km az=126.0.
SZGRF Near coast of Ecuador.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s51,c61; s61,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}4.27±.15 $M_{\theta\theta}$-1.56±.11; $M_{\phi\phi}$-2.71±.13; $M_{r\theta}$-1.47±.08; $M_{\theta\phi}$2.04±.08; $M_{\phi r}$1.38±.10; Best double couple: NP1:ϕ_s147.00000°,δ33.00000°,λ97.00000°. NP2:ϕ_s319.00000°,δ58.00000°,λ86.00000°. Principal axes: T 4.7300,Plg77.0000° ,Azm215.0000°; N -0.0400,Plg4.0000°,Azm321.0000°; P -4.7000,Plg13.0000°,Azm52.0000° $M_0$4.70000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.2km az=135.6.
IDC Error ellipse: s-maj=18.1km s-min=9.4km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.8km az=51.0. Felt at Ambato, Bahia de Caraquez and Guayaquil.

(89) Mona Passage

ISC	**VII**	**18 10 55 58.9–.39**	**18.11N–.06**	**68.22W–.03**	**81–4**	**3.6b**	**76**	**0-126**
BJI	VII	18 10 55 56.4	18.20N	68.20W	78	4.5s,4.5		**¶11133632**
ISCJB	VII	18 10 55 57.8–.41	18.06N–.06	68.21W–.03	91–4	3.6b,4.5		
IDC	VII	18 10 55 58.6–2.4	18.02N	68.18W	84–33	3.7,3.5		
NEIC	VII	18 10 55 59.4	18.22N	68.23W	78	4.1,3.5		
RSPR	VII	18 10 55 59.4	18.22N	68.23W	78–1	4.1,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=4.4km az=12.3.
IDC Error ellipse: s-maj=29.7km s-min=18.2km az=132.0.
NEIC Event type fe. Felt [III] at Mayaguez, Puerto Rico. After RSPR.
RSPR Event type ke.

(460) Wyoming

ISC	**VII**	**18 18 11 06.7–.33**	**43.74N–.03**	**105.19W–.05**	**0**	**4.0b**	**48**	**1-90**
ISCJB	VII	18 18 11 04.4–.37	43.74N–.03	105.15W–.05	0	4.0b		**¶11811949**
NEIC	VII	18 18 11 06.6–.30	43.72N	105.21W	0	3.2L		
IDC	VII	18 18 11 08.1–2.2	44.07N	105.85W	0	3.9b,3.9		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.7km s-min=4.4km az=33.0.
NEIC Event type fm. Error ellipse: s-maj=4.8km s-min=3.9km az=125.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=86.7km s-min=7.0km az=145.0.

(546) Austria

ISC	**VII**	**18 22 54 04.3–.18**	**47.502N–.01**	**13.75E–.01**	**3–1**	**3.6b**	**582**	**0-85**
ISCJB	VII	18 22 54 02.6–.20	47.513N–.01	13.72E–.01	1–1	3.7b		**¶11133648**
PRU	VII	18 22 54 03.9	47.47N	13.82E	0	3.7b		
STR	VII	18 22 54 03.7–.23	47.43N	13.90E	10–0	3.6L		
VIE	VII	18 22 54 03.4–.16	47.49N	13.74E	9–3	3.8L,2.9b		
CSEM	VII	18 22 54 04.2–.06	47.49N	13.78E	2	4.1L,2.9b		
IPEC	VII	18 22 54 04.4–.08	47.45N	13.84E	5–0	3.4L,2.9b		
IDC	VII	18 22 54 04.6–2.7	47.34N	14.16E	0	3.8,3.7b		
NEIC	VII	18 22 54 05.2–.20	47.46N	13.79E	10	4.1L,3.8L		
BGR	VII	18 22 54 05.5–.26	47.50N	13.78E	5	3.8L,3.8L		
LDG	VII	18 22 54 07.5–.09	47.45N	13.78E	10–0	3.6L,3.8L		
BNS	VII	18 22 54 11.0–.61	47.68N	13.49E	10	3.5L,3.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.4km az=171.5.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
VIE Event type fe. Error ellipse: s-maj=1.2km s-min=0.9km az=4.0. 9 km SSE of Obertraun . felt 5 ems98 at Ramsau am Dachstein / STYRIA.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.3km az=98.0.
IPEC Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=106.0.
IDC Error ellipse: s-maj=54.7km s-min=9.2km az=149.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.4km az=185.0.
BGR Event type fe. Error ellipse: s-maj=4.4km s-min=3.3km az=92.0. Felt in Ennstal and Salzkammergut.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=32.0.
BNS Event type ke.

(229) Off east coast of Honshu

ISC	**VII**	**19 02 39 29.7–.06**	**37.54N–.01**	**142.26E–.01**	**28**	**7.2s,6.2b**	**2211**	**1-164**
NIED	VII	19 02 39 00	37.50N	142.30E	35	6.9W,6.2b		**¶13389545**
IDC	VII	19 02 39 24.9–.34	37.52N	142.28E	0	7.0s,7.0		
ISCJB	VII	19 02 39 27.7–.06	37.49N–.01	142.28E–.01	27	7.2s,6.2b		
NEIC	VII	19 02 39 28.7–.09	37.55N	142.21E	22	7.0s,7.0W		
BJI	VII	19 02 39 28.4	37.56N	141.91E	22	7.2s,7.2		
BGS	VII	19 02 39 28.4–1.5	37.87N	141.91E	20–0	7.4s,6.0b		
JMA	VII	19 02 39 28.6–.20	37.52N	142.26E	32–4	6.9,6.0b		
MOS	VII	19 02 39 29.2–.90	37.64N	142.24E	33	7.3s,6.4b		
DJA	VII	19 02 39 34	37.47N	142.13E	58	7.1W,6.4b		
SZGRF	VII	19 02 39 34.2	38.70N	142.66E	33	7.6s,6.4b		
GCMT	VII	19 02 39 34.8–.00	37.47N	142.42E	22–0	6.9W,6.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ72.00000°,λ80.00000°. NP2:ϕ_s234.00000°,δ20.00000°,λ119.00000°. $M_0$2.39000×10^{19}
IDC Error ellipse: s-maj=12.8km s-min=9.6km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=162.8.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=172.0. Felt [III] at Misawa, Tokyo and Yokohama; [II] at Yamato. Felt as far west as Niigata and as far south as Mishima. A small tsunami was observed along the coast of Fukushima and Miyagi. Recorded [4 JMA] in Fukushima, Iwate, Miyagi and Tochigi; [3 JMA] in Akita, Aomori, Chiba, Gumma, Ibaraki, Kanagawa, Nagano, Niigata, Saitama, Tokyo, Yamagata and Yamanashi; [2 JMA] in Aichi and Shizuoka; [1 JMA] in Gifu, Ishikawa and Shiga. Also recorded [2 JMA] in southern Hokkaido and [1 JMA] on Nii-jima. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ80.00000°,λ90.00000°. NP2: ϕ_s205.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm295.0000° ; N Plg0.0000°,Azm0.0000°; P Plg38.0000°,Azm120.0000° Moment Tensor Solution. s194

Moment tensor: Scale 10^{19}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-0.79 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.14 $M_{\phi r}$1.79 Best double couple: NP1:ϕ_s23.00000°,δ77.00000°,λ92.00000°. NP2:ϕ_s191.00000° ,δ13.00000°,λ79.00000°. Principal axes: T 2.2900,Plg57.0000°,Azm295.0000° ; N -0.2500,Plg2.0000°,Azm201.0000°; P -2.0400,Plg32.0000°,Azm110.0000° M_o2.20000×10^{19} Moment Tensor Solution. M_o2.40000×10^{19} Moment Tensor Solution. M_o2.90000×10^{19}

BGS Error ellipse: s-maj=149.1km s-min=393.9km az=-1.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

MOS Error ellipse: s-maj=6.0km s-min=3.7km az=108.2. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s194.00000°,δ21.00000°,λ63.00000°. NP2: ϕ_s42.00000°,δ71.00000°,λ100.00000°. Principal axes: T Plg63.0000°,Azm327.0000° ; N Plg9.0000°,Azm219.0000°; P Plg25.0000°,Azm124.0000° M_o7.80000×10^{19}

SZGRF Near east coast of eastern Honshu, Japan.

GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 105 sta. Surface waves: sta=120, comp=312, per= 50. Moment Tensor Solution. s113,c302; s99,c244; Moment tensor: Scale 10^{19}Nm; M_{rr}1.53±.01 $M_{\theta\theta}$-0.17±.01; $M_{\phi\phi}$-1.35±.01; $M_{r\theta}$0.96±.02; $M_{\theta\phi}$-0.54 $M_{\phi r}$2.31±.03; Best double couple: NP1:ϕ_s200.00000°,δ16.00000° ,λ88.00000°. NP2:ϕ_s22.00000°,δ74.00000°,λ91.00000°. Principal axes: T 2.9300,Plg61.0000°,Azm293.0000°; N 0.0300,Plg1.0000°,Azm202.0000° ; P -2.9500,Plg29.0000°,Azm112.0000° M_o2.90000×10^{19}

(229) Off east coast of Honshu

ISC	**VII**	**19 02 47 29.5–.12**	**37.56N–.03**	**142.43E–.02**	**30**	**6.0s,5.3b**	**773**	**1-154**
IDC	VII	19 02 47 24.4–.38	37.49N	142.51E	0	5.1,5.1		**¶13389548**
BJI	VII	19 02 47 24.6	37.71N	142.76E	25	5.7b,5.4b		
JMA	VII	19 02 47 25.6–.30	37.50N	142.63E	19–5	5.5,5.4b		
ISCJB	VII	19 02 47 27.6–.12	37.53N–.03	142.45E–.02	28	6.0s,5.3b		
MOS	VII	19 02 47 28.3–1.1	37.69N	142.50E	33	5.6b,5.3b		
NEIC	VII	19 02 47 29.4–1.3	37.56N	142.40E	31–8	5.3b,5.3b		

ISC Event type fe.

IDC Error ellipse: s-maj=13.5km s-min=9.6km az=101.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=169.4.

MOS Error ellipse: s-maj=9.5km s-min=6.6km az=98.2.

NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=148.0. Recorded [2 JMA] in Miyagi and [1 JMA] in Fukushima, Ibaraki, Iwate and Yamagata.

(227) Eastern Honshu

ISC	**VII**	**19 04 09 33.0–.47**	**39.10N–.03**	**140.86E–.04**	**12–3**	**3.9b**	**42**	**0-150**
IDC	VII	19 04 09 31.3–.66	39.16N	140.81E	0	3.9,3.8		**¶11812015**
ISCJB	VII	19 04 09 32.5–.46	39.12N–.03	140.88E–.04	21–4	3.9b,3.8		
JMA	VII	19 04 09 32.9	39.11N	140.85E	12–1	4.2,3.8		
NEIC	VII	19 04 09 32.9–.35	39.21N	140.83E	10	4.3b,3.8		

ISC Event type fe.

IDC Error ellipse: s-maj=20.5km s-min=12.9km az=115.0.

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=5.1km az=172.2.

JMA Event type fe.

NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=7.0km az=111.0. Recorded [2 JMA] in Akita and Iwate; [1 JMA] in Miyagi.

(236) Shikoku

JMA	**VII**	**19 10 42 37.2**	**33.77N**	**134.79E**	**40–1**	**3.9**		**¶13509114**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s55.00000°,δ67.00000°,λ8.00000°. NP2:ϕ_s321.00000°,δ83.00000°,λ156.00000°. Principal axes: T Plg22.0000°,Azm276.0000°; N Plg65.0000°,Azm125.0000°; P Plg11.0000° ,Azm10.0000°

(116) Central Peru

ISC	**VII**	**19 10 49 03.8–.93**	**10.13S–.05**	**75.23W–.06**	**47–9**	**4.7b**	**393**	**2-170**
IDC	VII	19 10 48 57.1–.50	10.19S	75.44W	0	4.5,4.4		**¶11153492**
NEIC	VII	19 10 49 00.8–1.8	10.22S	75.40W	24–13	4.8b,4.4		
ISCJB	VII	19 10 49 02.0–1.2	10.10S–.05	75.26W–.06	49–10	4.7b,4.4		
BJI	VII	19 10 49 02.7	10.20S	75.40W	23	4.9b,4.4		

ISC Event type fe.

IDC Error ellipse: s-maj=15.7km s-min=12.1km az=78.0.

NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=5.0km az=57.0. Felt [II] at Huancabamba and Oxapampa.

ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=7.3km az=143.5.

(224) Hokkaido region

ISC	**VII**	**19 14 24 02.3–.36**	**41.62N–.03**	**142.05E–.04**	**55–5**	**3.7b**	**41**	**1-65**
NIED	VII	19 14 24 00	41.60N	142.00E	44	3.8W		**¶11747065**
ISCJB	VII	19 14 24 01.2–.36	41.61N–.03	142.05E–.04	62–4	3.7b		
NEIC	VII	19 14 24 01.5	41.60N	142.04E	65	3.8b		
JMA	VII	19 14 24 01.4–.10	41.60N	142.04E	65–3	3.7		
IDC	VII	19 14 24 04.4–2.2	41.72N	142.03E	75–16	3.6,3.5b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ78.00000°,λ-159.00000°. NP2:ϕ_s41.00000°,δ70.00000°,λ-12.00000°. M_o4.92000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=3.8km az=41.0.

NEIC Event type fe. Recorded [1 JMA] in southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. After JMA.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

IDC Error ellipse: s-maj=31.9km s-min=13.8km az=122.0.

(227) Eastern Honshu

ISC	**VII**	**19 18 59 00.2–.56**	**39.09N–.03**	**140.87E–.04**	**4–5**	**3.6b**	**24**	**0-67**
NIED	VII	19 18 58 00	39.10N	140.80E	17	3.4W		**¶12698329**
ISCJB	VII	19 18 58 59.5–.56	39.10N–.03	140.85E–.04	13–4	3.6b		
JMA	VII	19 18 59 59.8	39.10N	140.84E	12–1	3.9		
IDC	VII	19 18 59 04.8–5.8	39.24N	140.56E	33–47	3.4b,3.4		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ77.00000°,λ81.00000°. NP2:ϕ_s245.00000°,δ16.00000°,λ123.00000°. M_o1.64000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=5.0km az=139.1.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s228.00000°,δ9.00000°,λ126.00000°. NP2:ϕ_s12.00000°,δ82.00000°,λ85.00000°. Principal axes: T Plg52.0000°,Azm276.0000°; N Plg5.0000°,Azm13.0000°; P Plg37.0000° ,Azm107.0000°

IDC Error ellipse: s-maj=34.6km s-min=19.8km az=104.0.

(273) Southwest of Sumatera

ISC	**VII**	**19 23 19 57.8–.96**	**0.45S–.03**	**96.97E–.02**	**28–6**	**5.2b,4.7s**	**461**	**2-158**
IDC	VII	19 23 19 53.3–.36	0.42S	96.91E	0	5.2L,5.0		**¶11133699**
BJI	VII	19 23 19 53.0	0.98S	96.91E	37	5.4b,5.3b		
ISCJB	VII	19 23 19 54.2–.91	0.44S–.03	96.95E–.02	15–6	5.2b,4.7s		
MOS	VII	19 23 19 56.8–.95	0.39S	96.97E	33	5.3b,4.7s		
DJA	VII	19 23 19 57.7–1.2	0S–3.0	97E–3.0	14–8	5.8b,5.7		
NEIC	VII	19 23 19 58.5–.13	0.44S	96.95E	35	5.2b,5.7		
SZGRF	VII	19 23 19 58.0	0.84S	96.43E	20	4.9b,5.7		
TEH	VII	19 23 19 59.0	0.41S	96.96E	35	4.9b,5.7		

ISC Event type fe.

IDC Error ellipse: s-maj=12.0km s-min=9.5km az=56.0.

ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.7km az=30.8.

MOS Error ellipse: s-maj=8.0km s-min=4.7km az=113.8.

NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.5km az=216.0. Felt [III] at Gunungsitoli, Nias.

SZGRF Southwest of Sumatera, Indonesia.

(546) Austria

ISC	**VII**	**19 23 30 07.1–.21**	**47.09N–.01**	**10.15E–.01**	**7–2**		**269**	**0-5**
ISCJB	VII	19 23 30 06.1–.24	47.10N–.01	10.15E–.02	5–2			**¶11163196**
NEIC	VII	19 23 30 07.4	47.10N	10.18E	3	2.6L,2.6L		
ZUR	VII	19 23 30 07.3	47.11N	10.18E	3–1	2.5L,2.6L		
VIE	VII	19 23 30 07.1–.08	47.11N	10.19E	8–1	2.5L,1.5b		
CSEM	VII	19 23 30 07.2–.07	47.09N	10.18E	10	2.8L,1.5b		
PRU	VII	19 23 30 08.8	47.23N	10.18E	8	2.8L,1.5b		
ROM	VII	19 23 30 08.8–.38	47.02N	10.12E	10–0	2.7,1.8L		
BGR	VII	19 23 30 09.4–.52	47.18N	10.17E	10	2.3L,1.8L		
LDG	VII	19 23 30 09.1–.11	47.07N	10.14E	10–0	2.6L,1.8L		
STR	VII	19 23 30 11.4–.35	47.12N	9.94E	10–0	2.6L,1.8L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=16.0.

NEIC Event type se. After ZUR.

VIE Event type fe. Error ellipse: s-maj=0.6km s-min=0.5km az=173.0. 3 km SSW of Sankt Christoph am Arlberg . felt 4 ems98 at Sankt Anton am Arlberg / TYROL.

CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=10.0.

ROM Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=167.0.

BGR Event type fe. Error ellipse: s-maj=11.1km s-min=4.4km az=12.0. Felt in St. Anton.

LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=104.0.

STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(57) Michoacan

ISC	**VII**	**20 00 02 24.8–.49**	**18.68N–.04**	**102.73W–.03**	**96–3**	**4.3b**	**336**	**1-130**
BJI	VII	20 00 02 21.0	18.80N	102.90W	64	5.1b		**¶11153512**
MEX	VII	20 00 02 22.6–.38	18.57N	102.91W	70–7	4.5		
IDC	VII	20 00 02 22.0–.65	18.79N	102.63W	62–4	4.1,4.1		
NEIC	VII	20 00 02 22.0	18.76N	102.95W	65	4.4b,4.4		
ISCJB	VII	20 00 02 23.5–.52	18.68N–.04	102.72W–.03	97–4	4.3b,4.4		

ISC Event type fe.

NEIC Event type fe. Felt at Zihuatanejo. After MEX.

ISCJB Event type fe.

(159) North Island

WEL	**VII**	**20 02 21 58.4–.32**	**37.95S**	**176.07E**	**170–2**	**3.6L**		
NEIC	VII	20 02 21 58.4	37.94S	176.07E	169	3.7		**¶11207621**

WEL Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=90.0. Felt from Auckland to Coromandel, maximum reported intensity MM 4.

NEIC Event type se. After WEL.

(78) Costa Rica

ISC	**VII**	**20 02 34 11.9–.25**	**10.69N–.03**	**85.75W–.03**	**54–2**	**4.6b,4.2s**	**398**	**0-151**
ISCJB	VII	20 02 34 10.6–.24	10.65N–.03	85.78W–.03	61–2	4.6b,4.2s		**¶11153514**
IDC	VII	20 02 34 10.4–.45	10.92N	85.60W	35–3	4.4,4.3		
CASC	VII	20 02 34 11.5–2.0	10.61N	85.82W	32–3	4.7b,4.6L		
NEIC	VII	20 02 34 12.9–.41	10.67N	85.78W	63–4	4.8,4.7b		
GCMT	VII	20 02 34 13.5–.50	10.53N	85.93W	40–0	5.1W,4.7b		

ISC Event type de.

ISCJB Event type de. Error ellipse: s-maj=6.3km s-min=3.0km az=43.3.

IDC Error ellipse: s-maj=19.7km s-min=6.5km az=60.0.

CASC Error ellipse: s-maj=3.0km s-min=3.1km az=-1.0.

NEIC Event type de. Error ellipse: s-maj=7.5km s-min=3.9km az=224.0. Minor damage at Nicoya. Felt at Liberia and Santa Cruz.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c43; s56,c73; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.70±.37 $M_{\theta\theta}$3.85±.23; $M_{\phi\phi}$1.85±.28; $M_{r\theta}$1.56±.15; $M_{\theta\phi}$-1.96±.13; $M_{\phi r}$1.36±.22; Best double couple: NP1:ϕ_s136.00000°,δ44.00000°,λ-67.00000°. NP2:ϕ_s285.00000°,δ51.00000°,λ-111.00000°. Principal axes: T 5.0900,Plg4.0000° ,Azm30.0000°; N 1.2100,Plg16.0000°,Azm299.0000°; P -6.3000,Plg74.0000°,Azm132.0000° M_o5.70000×10^{16}

(224) Hokkaido region

ISC	**VII**	**20 05 33 16.8–.88**	**41.82N–.04**	**144.06E–.05**	**31–5**	**4.5b,4.2s**	**192**	**1-115**
NIED	VII	20 05 33 00	41.70N	144.20E	26	4.7W,4.2s		**¶13389621**
IDC	VII	20 05 33 12.4–.80	41.87N	144.00E	0	4.3,4.2b		
BJI	VII	20 05 33 13.2	41.83N	144.23E	31	4.9b,4.7b		
ISCJB	VII	20 05 33 14.5–1.0	41.78N–.04	144.09E–.05	28–6	4.5b,4.2s		
NEIC	VII	20 05 33 14.8	41.71N	144.23E	31	4.7b,4.7W		
JMA	VII	20 05 33 14.7–.30	41.71N	144.23E	31–3	4.8,4.7W		
MOS	VII	20 05 33 15.4–.93	41.82N	144.04E	33	4.8b,4.7W		
SZGRF	VII	20 05 33 21.0	42.99N	145.48E	33	4.6b,4.7W		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ90.00000°,λ1.00000°. NP2: ϕ_s274.00000°,δ89.00000°,λ180.00000°. M_o1.24000×10^{16}

IDC Error ellipse: s-maj=20.7km s-min=14.9km az=149.0.

ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.0km az=43.4.

NEIC Event type fe. Recorded [1 JMA] in southeastern Hokkaido. After JMA. Moment Tensor Solution. M_o1.20000×10^{16}

JMA Event type fe. Error ellipse: s-maj=4.4km s-min=0.8km az=-1.0.

MOS Error ellipse: s-maj=8.8km s-min=5.6km az=107.5.

SZGRF Hokkaido, Japan, region.

(248) Philippine Islands region

ISC	**VII**	**20 05 44 57.6–.83**	**20.54N–.08**	**122.6E–.20**	**35**	**3.6b**	**20**	**3-76**
NEIC	VII	20 05 44 54.2–.87	20.54N	122.60E	10	3.6b		**¶11812139**
ISCJB	VII	20 05 44 55.5–.83	20.56N–.08	122.7E–.20	33	3.6b		
IDC	VII	20 05 45 01.2–7.5	20.27N	122.29E	51–73	3.5,3.4b		
MAN	VII	20 06 44 52	20.58N	121.72E	1	4.8b,3.7s		

ISC Event type fe.

NEIC Event type fe. Error ellipse: s-maj=28.2km s-min=10.6km az=73.0. Felt [IV PIVS] at Basco and [III PIVS] at Mahatao.

ISCJB Event type fe. Error ellipse: s-maj=24.5km s-min=7.2km az=158.7.

IDC Error ellipse: s-maj=39.0km s-min=24.5km az=75.0.

MAN Event type fe. INTENSITY IV - BASCO BATANES INTENSITY III - MAHATAO BATANES.

(277) Jawa

ISC	**VII**	**20 06 11 08.8–.29**	**8.72S–.03**	**111.27E–.02**	**89–2**	**5.3b**	**506**	**1-173**
IDC	VII	20 06 10 57.8–.38	8.65S	111.24E	0	5.1,5.1b		**¶13389627**
TEH	VII	20 06 11 03.0	8.67S	111.25E	35	5.1,5.1b		
MOS	VII	20 06 11 04.2–1.1	8.41S	111.30E	52	5.6b,4.6s		
DJA	VII	20 06 11 07.6–.20	9S–3.0	111E–1.0	53–3	6.0b,6.0		
ISCJB	VII	20 06 11 07.3–.30	8.71S–.03	111.26E–.02	90–2	5.3b,6.0		
BJI	VII	20 06 11 08.2	8.60S	111.20E	83	5.3b,5.2b		
NEIC	VII	20 06 11 08.2–.98	8.64S	111.23E	78–8	5.3b,5.2b		
GCMT	VII	20 06 11 09.4–.20	9.25S	111.42E	71–1	5.3W,5.2b		

ISC Event type fe.

IDC Error ellipse: s-maj=15.6km s-min=11.4km az=74.0.

MOS Error ellipse: s-maj=8.6km s-min=5.0km az=113.5.

ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=12.0.

NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.8km az=221.0. Felt [IV] at Bantul, Pacitan, Tulungagung and Wonogiri; [III] at Karangkates, Klaten, Sawahan, Trenggalek and Yogyakarta.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s76,c129; s87,c160; Moment tensor: Scale 10^{17}Nm; M_{rr}0.75±.03 $M_{\theta\theta}$-1.21±.02; $M_{\phi\phi}$0.46±.03; $M_{r\theta}$0.52±.02; $M_{\theta\phi}$0.32±.02; $M_{\phi r}$-0.55±.02; Best double couple: NP1:ϕ_s248.00000°,δ39.00000°,λ37.00000°. NP2:ϕ_s128.00000°,δ68.00000°,λ123.00000°. Principal axes: T 1.1900,Plg55.0000° ,Azm80.0000°; N 0.2500,Plg30.0000°,Azm294.0000°; P -1.4500,Plg16.0000°,Azm194.0000° M_o1.30000×10^{17}

(248) Philippine Islands region

IDC	**VII**	**20 07 00 30.3–2.2**	**20.22N**	**122.04E**	**0**	**3.5,3.4b**		
MAN	VII	20 07 00 30	20.58N	121.97E	15	4.2b,3.0L		**¶12698344**

IDC Error ellipse: s-maj=194.1km s-min=28.9km az=67.0.

MAN Event type fe. INTENSITY II - BASCO BATANES.

(248) Philippine Islands region

MAN	**VII**	**20 07 15 00**	**20.26N**	**121.90E**	**1**	**4.3b,3.1L**		**¶13728188**

MAN Event type fe. INTENSITY II - BASCO BATANES.

(105) Near coast of Ecuador

ISC	**VII**	**20 10 20 26.6–.71**	**2.29S–.04**	**80.14W–.06**	**53–8**	**4.0b**	**68**	**1-138**
IGQ	VII	20 10 20 24.3	2.15S	80.00W	10–2	4.6b,4.4s		**¶11812164**
ISCJB	VII	20 10 20 25.5–.75	2.29S–.05	80.17W–.05	60–8	4.0b,4.4s		
NEIC	VII	20 10 20 26.8–1.3	2.26S	80.10W	57–15	4.3,4.1b		
IDC	VII	20 10 20 27.4–3.7	2.26S	80.08W	67–41	4.0L,3.8		

ISC Event type fe.

IGQ Error ellipse: s-maj=5.9km s-min=1.3km az=107.6.

ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=7.4km az=150.5.

NEIC Event type fe. Error ellipse: s-maj=15.9km s-min=8.2km az=72.0. Felt at Guayaquil.

IDC Error ellipse: s-maj=39.4km s-min=23.7km az=49.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**20 14 16 26.0–.31**	**36.20N–.03**	**141.86E–.04**	**35**	**4.5b,3.8s**	**140**	**1-147**
NIED	VII	20 14 16 00	36.20N	141.90E	26	4.3W,3.8s		**¶13389661**
BJI	VII	20 14 16 19.3	36.35N	142.05E	10	4.8b,4.7b		
NEIC	VII	20 14 16 22.4–3.4	36.18N	141.85E	10–20	4.9b,4.3W		
ISCJB	VII	20 14 16 23.9–.31	36.23N–.03	141.92E–.04	33	4.5b,3.8s		
JMA	VII	20 14 16 23.4–.20	36.21N	141.89E	58–5	4.6,3.8s		
IDC	VII	20 14 16 26.0–5.0	36.14N	141.77E	33–37	4.4L,4.2		
MOS	VII	20 14 16 26.5–.84	36.58N	141.71E	33	4.9b,4.2		
SZGRF	VII	20 14 16 31.6	38.78N	145.55E	33	5.2b,4.2		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ60.00000°,λ86.00000°. NP2:ϕ_s203.00000°,δ30.00000°,λ98.00000°. M_o3.02000×10^{15}

NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=6.2km az=142.0. Recorded [1 JMA] in Fukushima, Ibaraki and Tochigi. Moment Tensor Solution. M_o3.00000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.0km az=24.7.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

IDC Error ellipse: s-maj=17.4km s-min=14.9km az=115.0.

MOS Error ellipse: s-maj=10.6km s-min=6.8km az=117.6.
SZGRF Off east coast of Honshu, Japan.

(163) Cook Strait

WEL	**VII**	**20 14 23 30.6–.08**	**41.32S**	**174.17E**	**42–1**	**3.5L**		**¶11207632**

WEL Event type fe. Error ellipse: s-maj=1.2km s-min=1.1km az=0.0. Felt from Nelson to Wellington, maximum reported intensity MM 4.

(92) Leeward Islands

ISC	**VII**	**20 16 31 35.8–.42**	**16.30N–.03**	**61.73W–.05**	**11–3**		**60**	**0-5**
TRN	VII	20 16 31 33.1	16.34N	61.77W	17	3.7		**¶11134000**
ISCJB	VII	20 16 31 35.3–.51	16.30N–.03	61.77W–.05	8–4	3.7		
NEIC	VII	20 16 31 35.1	16.39N	61.55W	35	3.7		
RSPR	VII	20 16 31 37.0	16.00N	61.82W	48–28	4.0		

ISC Event type fe.
TRN Event type fe. Felt II, Guadeloupe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=2.8km az=152.3.
NEIC Event type se. After TRN.
RSPR Event type ke.

(159) North Island

WEL	**VII**	**20 19 29 18.4–.12**	**40.11S**	**175.04E**	**67–2**	**4.1L**		
NEIC	VII	20 19 29 18.4	40.11S	175.04E	68	4.1L		**¶11207640**

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.5km az=90.0. Felt between King Country, Wellington and Hawke"s Bay, maximum reported. intensity MM 4.
NEIC Event type se. After WEL.

(212) Bonin Islands region

ISC	**VII**	**20 21 30 30.2–.08**	**27.77N–.02**	**139.71E–.02**	**485**	**5.2b**	**1126**	**2-165**
NIED	VII	20 21 30 00	27.80N	140.00E	480	5.7W		**¶11134010**
BJI	VII	20 21 30 26.7	27.60N	139.91E	485	5.5b,5.4b		
IDC	VII	20 21 30 29.5–.35	27.80N	139.74E	483–3	4.8,4.8		
JMA	VII	20 21 30 29.8–.20	27.83N	140.00E	492–4	6.4,4.8		
MOS	VII	20 21 30 29.8–.89	27.75N	139.67E	500	5.2b,4.9s		
ISCJB	VII	20 21 30 29.2–.08	27.78N–.02	139.70E–.02	483	5.2b,4.9s		
NEIC	VII	20 21 30 29.6–.09	27.77N	139.62E	481	5.8W,5.7W		
GCMT	VII	20 21 30 31.8–.20	27.81N	139.60E	486–1	5.8W,5.7W		
DJA	VII	20 21 30 38	27.86N	140.02E	650	5.3b,5.7W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s305.00000°,δ71.00000°,λ-68.00000°. NP2:ϕ_s74.00000°,δ28.00000°,λ-138.00000°. $M_0$4.02000×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=5.0km az=87.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
MOS Error ellipse: s-maj=10.0km s-min=5.9km az=98.5.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=152.7.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=152.0. Recorded [1 JMA] in the Chichijima-retto and Hahajima-retto. Moment Tensor Solution. s43 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.70 $M_{t\theta}$3.36 $M_{\phi\phi}$-1.66 $M_{r\theta}$2.19 $M_{\theta\phi}$-0.97 $M_{\theta r}$-4.50 Best double couple: NP1: ϕ_s323.00000°,δ81.00000°,λ-61.00000°. NP2:ϕ_s68.00000°,δ30.00000°,λ-162.00000°. Principal axes: T 5.3800,Plg30.0000°,Azm29.0000°; N 0.8900,Plg28.0000°,Azm137.0000° ; P -6.2600,Plg46.0000°,Azm262.0000° $M_0$5.90000×10^{17} Moment Tensor Solution. $M_0$4.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s86,c175; s56,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.20±.09 $M_{t\theta}$3.72±.13; $M_{\phi\phi}$-0.51±.15; $M_{r\theta}$3.84±.14; $M_{\theta\phi}$-1.04±.13; $M_{\theta r}$-4.54±.12; Best double couple: NP1:ϕ_s79.00000°,δ22.00000°,λ-142.00000°. NP2:ϕ_s313.00000°,δ76.00000°,λ-72.00000°. Principal axes: T 6.7200,Plg29.0000° ,Azm28.0000°; N 0.4800,Plg17.0000°,Azm129.0000°; P -7.2000,Plg55.0000°,Azm245.0000° $M_0$7.00000×10^{17}

(377) Spain

ISC	**VII**	**21 02 30 02.9–.33**	**39.06N–.01**	**0.56W–.02**	**8–2**		**777**	**0-10**
ISCJB	VII	21 02 30 00.8–.33	39.11N–.01	0.60W–.02	5–2			**¶11163209**
CSEM	VII	21 02 30 02.3–.11	39.02N	0.51W	5	3.9L		
INMG	VII	21 02 30 02.8–1.5	39.02N	0.51W	1–3	3.8,3.6L		
MDD	VII	21 02 30 03.2–.21	39.01N	0.43W	0	3.7,3.6L		
NEIC	VII	21 02 30 03.5	39.01N	0.43W	0	4.0L,3.6L		
LDG	VII	21 02 30 03.9–.09	38.98N	0.42W	2–0	3.6L,3.6L		
STR	VII	21 02 30 11.2–.38	39.56N	0.30W	10–0	3.6L,3.6L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.6km az=138.1.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=137.0.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=111.0.
MDD Event type fe. Error ellipse: s-maj=2.5km s-min=2.0km az=108.0. EMS: IV XATIVA BARXETA CANALS. IV LLOCNOU D'EN FENOLLET.
NEIC Event type fe. Felt at Canals and Xativa. After MDD.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.3km az=132.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(137) San Juan Province

ISC	**VII**	**21 03 08 22.4–.45**	**31.53S–.03**	**69.08W–.05**	**94–4**	**4.7b**	**526**	**1-174**
MOS	VII	21 03 08 18.3–.84	31.45S	69.14W	71	5.0b		**¶11134016**
ISCJB	VII	21 03 08 21.0–.49	31.51S–.03	69.04W–.05	96–4	4.7b		
NEIC	VII	21 03 08 23.4	31.57S	69.40W	120	4.7b,4.7		
IDC	VII	21 03 08 23.6–.61	31.55S	69.19W	110–4	4.6,4.5		
GUC	VII	21 03 08 23.4–.75	31.57S	69.40W	120–0	4.7L,4.7		

ISC Event type fe.
MOS Error ellipse: s-maj=17.6km s-min=9.2km az=105.9.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.7km az=161.1.
NEIC Event type fe. Felt [III] at San Juan. After GUC.
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=52.0.
GUC Error ellipse: s-maj=2.4km s-min=5.7km az=-1.0.

(78) Costa Rica

ISC	**VII**	**21 03 10 31.1–.29**	**10.64N–.03**	**85.75W–.03**	**51–3**	**4.1b,3.8s**	**127**	**0-140**
ISCJB	VII	21 03 10 30.1–.30	10.62N–.03	85.78W–.03	55–2	4.1b,3.8s		**¶11812233**
CASC	VII	21 03 10 30.9–1.4	10.64N	85.83W	29–3	4.2b,3.9L		
NEIC	VII	21 03 10 32.0–.95	10.64N	85.68W	65–9	4.5,4.2b		
IDC	VII	21 03 10 32.1–.67	10.71N	85.55W	70–6	4.1,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.1km az=44.8.
CASC Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=16.9km s-min=7.7km az=219.0. Felt in Guanacaste.
IDC Error ellipse: s-maj=27.4km s-min=9.3km az=43.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**21 04 50 11.5–1.1**	**37.30N–.03**	**141.75E–.06**	**24–7**	**3.8b**	**39**	**1-90**
NIED	VII	21 04 50 00	37.30N	141.70E	41	3.8W		**¶11747090**
IDC	VII	21 04 50 07.7–.91	37.29N	141.79E	0	3.9,3.8		
ISCJB	VII	21 04 50 10.9–.84	37.29N–.03	141.81E–.06	35–8	3.8b,3.8		
JMA	VII	21 04 50 12.3–.10	37.32N	141.72E	43–3	4.2,3.8		
NEIC	VII	21 04 50 13.2–.66	37.35N	141.79E	35	4.4b,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s71.00000°,δ70.00000°,λ110.00000°. NP2:ϕ_s204.00000°,δ28.00000°,λ47.00000°. $M_0$5.93000×10^{14}
IDC Error ellipse: s-maj=22.3km s-min=18.1km az=122.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.2km az=20.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=15.6km s-min=9.3km az=146.0. Recorded [2 JMA] in Fukushima.

(228) Near east coast of eastern Honshu

ISC	**VII**	**21 04 52 15.6–1.8**	**37.32N–.06**	**141.7E–.10**	**28–8**		**18**	**1-3**
NIED	VII	21 04 52 00	37.30N	141.70E	47	3.5W		**¶11747091**
JMA	VII	21 04 52 15.7–.20	37.32N	141.72E	42–3	3.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s80.00000°,δ66.00000°,λ117.00000°. NP2:ϕ_s208.00000°,δ35.00000°,λ44.00000°. $M_0$2.12000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(259) Mindanao

MAN	**VII**	**21 06 09 18**	**9.77N**	**125.42E**	**32**	**4.8b,3.7s**		**¶13728199**

MAN Event type fe. INTENSITY III - SURIGAO CITY.

(229) Off east coast of Honshu

ISC	**VII**	**21 09 01 05.0–.89**	**37.76N–.02**	**142.66E–.03**	**15–5**	**5.0b,4.8s**	**415**	**1-145**
NIED	VII	21 09 01 00	37.80N	142.70E	26	5.0W,4.8s		**¶11134019**
BJI	VII	21 09 01 01.9	37.67N	142.65E	16	5.1b,5.0b		
IDC	VII	21 09 01 02.6–.47	37.77N	142.58E	0	4.6b,4.6		
ISCJB	VII	21 09 01 02.6–.76	37.74N–.02	142.73E–.02	11–4	5.0b,4.8s		
JMA	VII	21 09 01 03.0–.20	37.72N	142.84E	28–3	5.2,4.8s		
MOS	VII	21 09 01 04.0–.93	38.02N	142.49E	11	5.2b,5.0s		
NEIC	VII	21 09 01 04.6–.18	37.82N	142.56E	10	5.1b,5.0W		
GCMT	VII	21 09 01 09.3–.30	37.79N	142.91E	38–1	5.0W,5.0W		
SZGRF	VII	21 09 01 15.4	39.81N	143.07E	33	5.1b,5.1s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ69.00000°,λ89.00000°. NP2:ϕ_s199.00000°,δ21.00000°,λ93.00000°. $M_0$3.97000×10^{16}
IDC Error ellipse: s-maj=14.0km s-min=11.0km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=156.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=4.5km az=108.8.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.5km az=143.0. Recorded [2 JMA] in Fukushima, Iwate and Miyagi; [1 JMA] in Akita, Aomori, Tochigi and Yamagata. Moment Tensor Solution. $M_0$4.00000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c41; s72,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}3.63±.22 $M_{\theta\theta}$-0.62±.13; $M_{\phi\phi}$-3.01±.13; $M_{r\theta}$1.17±.11; $M_{\theta\phi}$-1.20±.07; $M_{\theta r}$2.73±.11; Best double couple: NP1:ϕ_s202.00000°,δ25.00000°,λ89.00000°. NP2:ϕ_s23.00000°,δ65.00000°,λ90.00000°. Principal axes: T 4.7000,Plg70.0000° ,Azm294.0000°; N -0.1200,Plg0.0000°,Azm203.0000°; P -4.5800,Plg20.0000° ,Azm113.0000° $M_0$4.60000×10^{16}
SZGRF Off east coast of Honshu, Japan.

(229) Off east coast of Honshu

ISC	**VII**	**21 11 30 30.7–.07**	**37.21N–.01**	**142.08E–.01**	**30**	**5.8s,5.8b**	**1754**	**1-161**
NIED	VII	21 11 30 00	37.10N	142.30E	29	5.8W,5.8b		**¶11812258**
IDC	VII	21 11 30 25.7–.33	37.18N	142.09E	0	5.6,5.6s		
JMA	VII	21 11 30 26.6–.20	37.14N	142.34E	27–4	6.1,5.6s		
MOS	VII	21 11 30 27.0–.77	37.33N	142.10E	14	6.0b,5.9s		
ISCJB	VII	21 11 30 28.7–.07	37.18N–.01	142.10E–.01	28	5.8s,5.8b		
BJI	VII	21 11 30 29.1	37.19N	141.67E	22	6.1b,6.0s		
NEIC	VII	21 11 30 29.3–.09	37.19N	142.05E	22	6.0W,5.9		
SZGRF	VII	21 11 30 30.8	37.85N	143.37E	33	6.1b,6.1s		
GCMT	VII	21 11 30 34.1–.10	37.16N	142.30E	30–0	5.9W,6.1s		
BGS	VII	21 11 30 35.4–1.5	37.38N	141.36E	22–0	6.0s,5.9b		
DJA	VII	21 11 30 56	37.09N	141.34E	242	5.7W,5.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ67.00000°,λ87.00000°. NP2:ϕ_s208.00000°,δ23.00000°,λ97.00000°. $M_0$6.51000×10^{17}
IDC Error ellipse: s-maj=12.2km s-min=8.2km az=111.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=106.1.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.4km az=162.8.
NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=158.0. Felt [IV] at Misawa and [III] at Tokyo. Also felt at Daigo, Hamura, Kamakura, Morioka, Musashino, Narita, Niigata, Tsukuba, Urawa and Yokosuka. Recorded [4 JMA] in Fukushima and Miyagi; [3 JMA] in Ibaraki, Iwate, Niigata, Saitama, Tochigi and Yamagata; [2 JMA] in Akita, Aomori, Chiba, Gumma, Kanagawa, Nagano, Shizuoka, Tokyo and Yamanashi; [1 JMA] in Gifu. Also recorded [1 JMA] in southern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s205.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm295.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm115.0000° Moment Tensor Solution. s135 Moment tensor: Scale 10^{17}Nm; M_{rr}3.23 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-3.43 $M_{r\theta}$1.84 $M_{\theta\phi}$-0.14 $M_{\theta r}$4.07 Best double couple: NP1:ϕ_s20.00000°,δ72.00000°,λ101.00000°. NP2:ϕ_s166.00000° ,δ21.00000°,λ58.00000°. Principal axes: T 5.6400,Plg61.0000°,Azm306.0000° ; N -0.1200,Plg10.0000°,Azm196.0000°; P -5.5100,Plg26.0000°,Azm100.0000° $M_0$5.60000×10^{17} Moment Tensor Solution. $M_0$6.50000×10^{17}
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=110, comp=253, per= 50. Moment Tensor Solution. s91,c207; s70,c91; Moment tensor: Scale 10^{17}Nm; M_{rr}5.34±.07 $M_{\theta\theta}$-0.49±.05; $M_{\phi\phi}$-4.84±.05; $M_{r\theta}$3.31±.10; $M_{\theta\phi}$-2.58±.04; $M_{\theta r}$6.67±.13; Best double couple: NP1:ϕ_s203.00000°,δ19.00000°,λ87.00000°. NP2:ϕ_s26.00000°,δ71.00000°,λ91.00000°. Principal axes: T 9.0200,Plg64.0000°,Azm298.0000°; N 0.7100,Plg1.0000°,Azm206.0000° ; P -9.7200,Plg26.0000°,Azm115.0000° $M_0$9.40000×10^{17}
BGS Error ellipse: s-maj=250.5km s-min=614.7km az=-1.0.

(236) Shikoku

ISC	**VII**	**21 15 26 15.4–1.6**	**33.0N–.10**	**133.77E–.07**	**28–8**		**11**	**1-1**
NIED	VII	21 15 26 00	33.00N	133.80E	5	3.3W		**¶11747107**
ISCJB	VII	21 15 26 15.4–1.6	33.0N–.10	133.78E–.07	29–7	3.3W		
JMA	VII	21 15 26 16.3	32.99N	133.77E	30–2	3.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s141.00000°,δ72.00000°,λ-146.00000°. NP2:ϕ_s39.00000°,δ58.00000°,λ-22.00000°. $M_0$1.02000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=18.6km s-min=7.5km az=161.2.
JMA Event type fe.

(229) Off east coast of Honshu

ISC	**VII**	**21 17 22 55.5–.98**	**37.20N–.03**	**142.27E–.04**	**4–5**	**4.2b,3.6s**	**112**	**1-89**
NIED	VII	21 17 22 00	37.20N	142.30E	32	4.2W,3.6s		**¶13510187**
ISCJB	VII	21 17 22 54.7–1.0	37.16N–.03	142.36E–.04	15–6	4.2b,3.6s		
JMA	VII	21 17 22 56.0–.20	37.16N	142.33E	29–4	4.6,3.6s		
MOS	VII	21 17 22 57.6–1.1	37.32N	142.22E	27	4.5b,3.6s		
NEIC	VII	21 17 22 59.3–2.6	37.30N	142.15E	26–18	4.5b,4.2W		
IDC	VII	21 17 23 00.7–3.0	37.21N	142.14E	38–25	4.0,3.9L		
BJI	VII	21 17 23 01.6	37.50N	141.54E	25	4.7b,4.6b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ65.00000°,λ94.00000°. NP2:ϕ_s188.00000°,δ26.00000°,λ81.00000°. $M_0$2.29000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=5.0km az=21.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=10.5km s-min=6.8km az=107.6.
NEIC Event type fe. Error ellipse: s-maj=12.7km s-min=7.8km az=144.0. Recorded [1 JMA] in Fukushima and Miyagi. Moment Tensor Solution. $M_0$2.30000×10^{15}
IDC Error ellipse: s-maj=19.0km s-min=16.9km az=125.0.

(460) Wyoming

ISC	**VII**	**21 18 12 25.8–.36**	**43.81N–.03**	**105.26W–.05**	**0**	**4.0b**	**64**	**1-90**
IDC	VII	21 18 12 23.3–.82	43.42N	105.25W	0	4.0b,3.9		**¶11812292**
ISCJB	VII	21 18 12 24.0–.37	43.81N–.03	105.28W–.05	0	4.0b,3.9		
NEIC	VII	21 18 12 25.8–.29	43.81N	105.27W	0	3.4L,3.9		

ISC Event type fm.
IDC Error ellipse: s-maj=18.2km s-min=8.1km az=152.0.
ISCJB Event type fm. Error ellipse: s-maj=5.0km s-min=4.2km az=19.0.
NEIC Event type fm. Error ellipse: s-maj=4.1km s-min=3.4km az=115.0. 55 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(137) San Juan Province

GUC	**VII**	**21 18 48 01.8–.92**	**31.20S**	**69.00W**	**140–0**	**4.1L,3.9**		
NEIC	VII	21 18 48 01.8	31.20S	69.00W	140	4.0b,3.9		**¶12951535**

GUC Error ellipse: s-maj=6.0km s-min=7.6km az=-1.0.
NEIC Event type fe. Felt [II] at San Juan. After GUC.

(221) Kuril Islands

ISC	**VII**	**21 19 58 27.6–.88**	**43.16N–.07**	**146.14E–.07**	**50–6**	**3.6b**	**34**	**0-84**
NIED	VII	21 19 58 00	43.10N	146.10E	47	3.7W		**¶11747112**
ISCJB	VII	21 19 58 26.5–.89	43.13N–.07	146.15E–.07	56–6	3.6b		
JMA	VII	21 19 58 27.6–.10	43.15N	146.09E	48–1	3.8		
MOS	VII	21 19 58 28.1–1.5	43.16N	146.07E	75	4.1b		
IDC	VII	21 19 58 29.4–2.7	42.96N	146.16E	79–21	3.6,3.4		
NEIC	VII	21 19 58 30.3–1.1	42.99N	146.15E	86–12	3.8,3.4		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s74.00000°,δ68.00000°,λ111.00000°. NP2:ϕ_s208.00000°,δ30.00000°,λ48.00000°. $M_0$4.21000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=6.6km az=150.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=19.1km s-min=13.5km az=63.0.
IDC Error ellipse: s-maj=32.2km s-min=18.6km az=2.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=10.9km az=149.0.

(159) North Island

WEL	**VII**	**21 20 03 00.2–.10**	**39.85S**	**176.98E**	**39–1**	**4.2L**		**¶11207679**

WEL Event type fe. Error ellipse: s-maj=1.7km s-min=0.9km az=90.0. Felt reported, maximum reported intensity MM 5.

(228) Near east coast of eastern Honshu

ISC	**VII**	**21 20 31 50.7–1.1**	**36.20N–.03**	**141.84E–.04**	**16–6**	**4.6b,3.9s**	**159**	**1-147**
NIED	VII	21 20 31 00	36.20N	141.80E	26	4.4W,3.9s		**¶13510267**

MOS VII 21 20 31 49.1–1.2 36.23N 141.88E 20 4.9b,3.9s
ISCJB VII 21 20 31 50.8–1.3 36.18N–.03 141.87E–.04 30–8 4.6b,3.9s
BJI VII 21 20 31 51.5 36.34N 141.72E 29 4.8b,4.7b
JMA VII 21 20 31 51.0–.20 36.21N 141.84E 62–4 4.5,4.7b
IDC VII 21 20 31 53.3–.67 36.15N 141.74E 33–4 4.4L,4.3
NEIC VII 21 20 31 54.0–1.0 36.13N 141.74E 40–8 4.8b,4.3W
SZGRF VII 21 20 31 56.7 36.34N 141.20E 33 4.7b,4.3W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ63.00000°,λ89.00000°. NP2:ϕ_s200.00000°,δ27.00000°,λ92.00000°. $M_0$3.95000×10^{15}
MOS Error ellipse: s-maj=10.7km s-min=6.5km az=114.1.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.8km az=28.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=14.1km s-min=13.2km az=117.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.5km az=80.0. Recorded [1 JMA] in Fukushima, Ibaraki, Saitama and Tochigi. Moment Tensor Solution. $M_0$4.00000×10^{15}
SZGRF Near east coast of eastern Honshu, Japan.

(91) Virgin Islands

ISC VII 21 21 36 19.1–1.2 18.94N–.05 64.30W–.02 28–9 3.7b 54 1-74
IDC VII 21 21 36 14.8–1.0 19.03N 64.26W 0 4.0,3.8 **¶11134037**
ISCJB VII 21 21 36 18.6–.74 18.96N–.07 64.29W–.02 41–10 3.7b,3.8
RSPR VII 21 21 36 20.8 18.91N 64.31W 14–5 3.6,3.8
NEIC VII 21 21 36 20.8 18.91N 64.31W 14 3.6,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=28.0km s-min=21.0km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=3.8km az=5.5.
RSPR Event type ke.
NEIC Event type fe. Felt at East End, Tortola. After RSPR.

(160) Off east coast of North Island

WEL VII 22 00 49 17.4–.30 37.62S 177.13E 5 3.7L
NEIC VII 22 00 49 17.2 37.62S 177.13E 3 3.7L **¶11207685**
WEL Event type fe. Error ellipse: s-maj=2.5km s-min=2.0km az=0.0. Felt from Bay of Plenty to Hawke''s Bay, maximum reported intensity MM 4.
NEIC Event type se. After WEL.

(377) Spain

ISC VII 22 02 31 04.6–.36 37.90N–.02 1.51W–.02 12–2 592 0-11
ISCJB VII 22 02 31 03.8–.37 37.99N–.02 1.62W–.02 9–2 **¶11163214**
MDD VII 22 02 31 04.9–.18 37.84N 1.44W 5–2 3.1
CSEM VII 22 02 31 04.1–.14 37.87N 1.51W 8 3.5L
INMG VII 22 02 31 04.8–1.0 37.85N 1.43W 8–1 3.0L
NEIC VII 22 02 31 05.0 37.82N 1.40W 11 3.1L,3.0
LDG VII 22 02 31 05.1–.11 37.83N 1.44W 2–0 3.1L,3.0
SFS VII 22 02 31 05.0 37.81N 1.39W 11 3.0L,3.0
IGIL VII 22 02 31 05.1 37.82N 1.40W 11 3.2L,3.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.0km az=149.5.
MDD Event type fe. Error ellipse: s-maj=2.8km s-min=1.8km az=168.0. EMS: II TOTANA.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=148.0.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=126.0.
NEIC Event type fe. Felt at Totana. After MDD.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=143.0.
SFS Event type ke.

(229) Off east coast of Honshu

ISC VII 22 08 46 51.2–.09 37.76N–.02 142.27E–.02 30 5.3b,5.2s 1138 1-160
NIED VII 22 08 46 00 37.70N 142.40E 26 5.2W,5.2s **¶11136693**
BJI VII 22 08 46 45.2 37.61N 142.19E 6 5.4b,5.3s
IDC VII 22 08 46 45.7–.49 37.66N 142.44E 0 5.1,5.1
NEIC VII 22 08 46 47.9–.11 37.73N 142.31E 10 5.2b,5.2W
JMA VII 22 08 46 48.5–.10 37.69N 142.37E 30–3 5.5,5.2W
ISCJB VII 22 08 46 49.3–.09 37.76N–.02 142.28E–.01 28 5.3b,5.2s
PDG VII 22 08 46 49.4 37.80N 142.30E 30 5.5b,5.2s
MOS VII 22 08 46 50.0–.84 37.97N 142.26E 28 5.5b,5.2s
GCMT VII 22 08 46 51.9–.20 37.77N 142.33E 12 5.4W,5.2s
DJA VII 22 08 47 00 38.66N 142.91E 117 5.3b,5.2s
SZGRF VII 22 08 47 10.2 39.00N 139.56E 33 5.6b,5.3s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ80.00000°,λ89.00000°. NP2:ϕ_s209.00000°,δ10.00000°,λ95.00000°. $M_0$8.22000×10^{16}
IDC Error ellipse: s-maj=13.7km s-min=12.2km az=117.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.2km az=156.0. Recorded [3 JMA] in Fukushima and Miyagi; [2 JMA] in Akita, Iwate, Tochigi and Yamagata; [1 JMA] in Aomori, Gumma and Ibaraki. Moment Tensor Solution. $M_0$8.20000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.6km az=169.2.
PDG Event type ke.
MOS Error ellipse: s-maj=6.2km s-min=3.9km az=100.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s51,c71; s88,c144; Moment tensor: Scale 10^{17}Nm; M_{rr}0.06±.01 $M_{\theta\theta}$-0.01±.01; $M_{\phi\phi}$-0.05±.01; $M_{r\theta}$0.51±.02; $M_{\theta\phi}$-0.08±.01; $M_{\phi r}$1.25±.02; Best double couple: NP1:ϕ_s248.00000°,δ3.00000°,λ136.00000°. NP2:ϕ_s22.00000°,δ88.00000°,λ88.00000°. Principal axes: T 1.3300,Plg47.0000° ,Azm290.0000°; N 0.0400,Plg2.0000°,Azm22.0000°; P -1.3700,Plg43.0000°,Azm114.0000° $M_0$1.40000×10^{17}
SZGRF Near west coast of eastern Honshu, Japan.

(159) North Island

WEL VII 22 09 36 31.4–.28 39.63S 174.34E 208–2 4.9L
NEIC VII 22 09 36 31.6 39.64S 174.36E 207 4.9 **¶11207690**
WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.1km az=90.0. Felt from Wanganui to Marlborough, and from Nelson to Manawatu, maximum. reported intensity MM 4.
NEIC Event type fe. Felt at Marton and Wanganui. After WEL.

(706) Northern Sumatera

ISC VII 22 12 27 56.3–.69 1.34N–.04 97.19E–.06 41–6 4.7b,3.9s 121 0-145
IDC VII 22 12 27 49.8–.75 1.26N 97.11E 0 4.4,4.4b **¶11227124**
BJI VII 22 12 27 53.3 1.30N 97.41E 33 4.8b,4.8b
MOS VII 22 12 27 53.1–.91 1.31N 97.17E 35 4.9b,4.8b
DJA VII 22 12 27 53 1.37N 97.05E 18 4.6,4.8b
ISCJB VII 22 12 27 55.0–.67 1.34N–.04 97.21E–.06 49–5 4.7b,3.9s
NEIC VII 22 12 27 55.3–.39 1.29N 97.27E 35 4.9b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=17.5km s-min=15.9km az=49.0.
MOS Error ellipse: s-maj=12.9km s-min=6.6km az=96.1.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.4km az=149.4.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=6.4km az=50.0. Felt [III] in Nias.

(89) Mona Passage

ISC VII 22 13 29 27.1–.39 18.58N–.07 68.36W–.03 132–4 3.5b 54 0-159
ISCJB VII 22 13 29 25.9–.38 18.57N–.07 68.37W–.03 136–4 3.5b **¶11136698**
IDC VII 22 13 29 26.5–1.9 18.38N 68.33W 135–30 3.7,3.5
NEIC VII 22 13 29 27.7 18.64N 68.34W 127 4.1,3.5
RSPR VII 22 13 29 27.7 18.64N 68.34W 127–2 4.1,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.3km s-min=4.0km az=13.0.
IDC Error ellipse: s-maj=37.1km s-min=27.2km az=150.0.
NEIC Event type fe. Felt [III] at Aguada, Puerto Rico. After RSPR.
RSPR Event type ke.

(244) Taiwan

ISC VII 22 14 03 35.9–.23 24.21N–.01 121.80E–.02 10 116 0-3
NEIC VII 22 14 03 32.5–2.5 24.12N 121.98E 10 **¶13643031**
JMA VII 22 14 03 34.8–.50 24.01N 121.62E 42 3.3
ISCJB VII 22 14 03 35.6–.24 24.21N–.01 121.81E–.02 10 3.3
TAP VII 22 14 03 35.0 24.19N 121.78E 10–0 3.9L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=28.6km s-min=10.8km az=87.0. Recorded [3 TAP] in Hua-lien and I-lan; [1 TAP] in Nan-t'ou.
JMA Error ellipse: s-maj=6.7km s-min=4.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=24.6.
TAP B.

(274) Southern Sumatera

ISC VII 22 14 24 22.4–.80 3.12S–.06 101.08E–.08 65–7 4.1b 34 1-145
IDC VII 22 14 24 13.5–1.8 3.20S 101.01E 0 4.0,4.0 **¶11812362**
NEIC VII 22 14 24 18.2–.87 3.35S 100.93E 35 4.4b,4.0
ISCJB VII 22 14 24 21.0–.84 3.13S–.06 101.06E–.08 73–7 4.1b,4.0
DJA VII 22 14 24 21 3.13S 101.09E 21 4.1,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=70.9km s-min=18.7km az=59.0.
NEIC Event type fe. Error ellipse: s-maj=36.9km s-min=9.7km az=59.0. Felt [II] at Ipuh, Sumatra.
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=4.8km az=141.9.

(228) Near east coast of eastern Honshu

ISC VII 22 19 16 59.4–.35 34.34N–.03 140.05E–.03 35 3.8b,3.7s 46 1-93
NIED VII 22 19 16 00 34.40N 140.10E 8 4.3W,3.7s **¶11747128**
IDC VII 22 19 16 55.0–.70 34.31N 140.05E 0 3.9,3.9L
ISCJB VII 22 19 16 58.5–.35 34.35N–.03 140.06E–.03 33 3.8b,3.7s
JMA VII 22 19 16 58.5–.10 34.36N 140.05E 24–1 4.4,3.7s
NEIC VII 22 19 17 00.5–1.7 34.34N 140.02E 37–12 4.3b,3.7s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s89.00000°,δ87.00000°,λ-163.00000°. NP2:ϕ_s358.00000°,δ74.00000°,λ-3.00000°. $M_0$3.37000×10^{15}
IDC Error ellipse: s-maj=23.1km s-min=12.8km az=87.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.7km az=44.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=15.6km s-min=12.9km az=171.0. Recorded [2 JMA] on O-Shima and [1 JMA] on Hachijo-shima, Kozu-shima, Miyake-jima and Nii-jima. Also recorded [1 JMA] in Chiba and Shizuoka.

(377) Spain

ISC VII 22 22 36 31.7–.26 41.93N–.01 2.57E–.01 12–1 909 0-13
CSEM VII 22 22 36 30.9–.10 41.91N 2.60E 5 4.4L **¶11163219**
MDD VII 22 22 36 32.3–.19 41.86N 2.61E 6–2 4.0
MRB VII 22 22 36 32.4 41.86N 2.59E 4–12 3.8L
INMG VII 22 22 36 32.3–1.2 41.86N 2.56E 11–2 3.6L
LDG VII 22 22 36 32.8–.07 41.88N 2.59E 4–0 4.3L,3.8
STR VII 22 22 36 35.0–.42 42.08N 2.52E 5–0 4.1L,3.8
NEIC VII 22 22 36 35.0 42.08N 2.52E 5 4.3L,4.1L
ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=139.0.
MDD Event type fe. Error ellipse: s-maj=2.2km s-min=1.4km az=127.0. EMS: IV INTENSIDAD MAXIMA.
MRB Event type ke. Error ellipse: s-maj=0.4km s-min=0.2km az=327.0.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=117.0.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=135.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type se. After STR.

(337) Eastern Caucasus

ISC VII 23 03 15 27.9–.51 43.05N–.03 47.73E–.03 10 115 0-14
ISCJB VII 23 03 15 26.6–.57 43.06N–.03 47.79E–.04 10 **¶11360875**
MOS VII 23 03 15 28.4–1.1 42.99N 47.68E 11 4.4b
CSEM VII 23 03 15 28.4–.37 43.02N 47.72E 2 4.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.2km az=138.4.
MOS Event type fe. Error ellipse: s-maj=8.5km s-min=6.4km az=11.9. Felt (III) at Makhachkala. Moment Tensor Solution.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.2km az=53.0.

(545) Northern Italy

ISC VII 23 03 22 26.2–.20 44.90N–.01 11.14E–.01 15–1 439 0-7
NEIC VII 23 03 22 25.0 44.89N 11.20E 2 3.8L,3.4L **¶11153588**
ROM VII 23 03 22 25.0–.11 44.89N 11.19E 2–0 3.3,3.2L
CSEM VII 23 03 22 25.1–.08 44.90N 11.18E 5 3.5L,3.2L
ISCJB VII 23 03 22 25.1–.20 44.93N–.01 11.12E–.01 14–1 3.5L,3.2L
SZGRF VII 23 03 22 26.3 44.75N 11.23E 10 3.5b,3.2L
VIE VII 23 03 22 26.2–.30 44.87N 11.27E 11–1 3.4L,3.1b
LDG VII 23 03 22 27.7–.08 44.85N 11.19E 10–0 3.4L,3.1b
PRU VII 23 03 22 28.0 45.02N 11.43E 0 3.4L,3.1b
STR VII 23 03 22 28.8–.53 44.94N 10.82E 10–0 3.4L,3.1b
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Medolla, Mirandola and San Felice sul Panaro; [III] at Finale Emilia. Also felt at Bologna. After ROM.
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=126.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=140.2.
SZGRF Northern Italy.
VIE Error ellipse: s-maj=2.1km s-min=1.5km az=172.0. 41 km N of Bologna .
LDG Event type ke.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(227) Eastern Honshu

ISC VII 23 03 54 24.4–.43 39.01N–.02 140.87E–.04 9–3 4.0b,3.7s 54 0-146
NIED VII 23 03 54 00 39.00N 140.90E 5 3.9W,3.7s **¶13389873**
IDC VII 23 03 54 23.1–.73 39.07N 140.82E 0 4.1,4.0b
ISCJB VII 23 03 54 24.3–.40 39.01N–.03 140.92E–.04 20–3 4.0b,3.7s
JMA VII 23 03 54 24.3 39.00N 140.86E 10–1 4.2,3.7s
NEIC VII 23 03 54 24.4 39.00N 140.86E 10 4.3b,3.7s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ62.00000°,λ95.00000°. NP2:ϕ_s190.00000°,δ28.00000°,λ81.00000°. $M_0$9.25000×10^{14}
IDC Error ellipse: s-maj=21.2km s-min=13.1km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.9km az=23.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s214.00000°,δ38.00000°,λ112.00000°. NP2:ϕ_s8.00000°,δ55.00000°,λ74.00000°. Principal axes: T Plg74.0000°,Azm233.0000°; N Plg13.0000°,Azm17.0000°; P Plg9.0000° ,Azm109.0000°
NEIC Event type fe. Recorded [2 JMA] in Iwate and [1 JMA] in Akita and Miyagi. After JMA.

(19) Southeastern Alaska

PGC VII 23 05 06 36.2–6.6 58.28N 133.52W 1 3.2L
NEIC VII 23 05 06 36.0 58.28N 133.52W 1 3.2L,2.8L **¶12951610**
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=-1.0. 52km east of Juneau, Ak Southeastern Alaska.
NEIC Event type fe. Felt at Juneau. After PGC.

(78) Costa Rica

ISC VII 23 05 54 59.2–.28 10.68N–.03 85.79W–.03 49–2 4.3b,3.7s 142 0-151
NEIC VII 23 05 54 56.2 10.62N 85.97W 32 4.8,4.4b **¶11153598**
IDC VII 23 05 54 57.9–1.3 11.00N 85.47W 35–10 4.2,4.1
ISCJB VII 23 05 54 58.1–.29 10.66N–.03 85.81W–.03 55–2 4.3b,3.7s
CASC VII 23 05 54 58.6–1.7 10.65N 85.86W 26–4 4.4b,4.1L
ISC Event type fe.
NEIC Event type fe. Felt in Guanacaste. After HDC.
IDC Error ellipse: s-maj=25.8km s-min=10.3km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=2.8km az=138.3.
CASC Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0.

(387) Western Mediterranean Sea

ISC VII 23 09 23 33.7–.41 37.16N–.03 3.63E–.03 10 247 1-9
CRAAG VII 23 09 23 29.9 36.98N 3.69E 3.1L **¶11163232**
NEIC VII 23 09 23 29.8–2.5 36.86N 3.87E 10 4.3
MDD VII 23 09 23 32.2–.47 37.03N 3.71E 0 4.1b
ISCJB VII 23 09 23 32.2–.41 37.22N–.03 3.65E–.03 10 4.1b
CSEM VII 23 09 23 34.1–.29 37.19N 3.70E 10 3.1L
LDG VII 23 09 23 36.3–.20 37.23N 3.41E 20–0 3.2L
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=11.7km az=167.0.
MDD Event type fe. Error ellipse: s-maj=6.5km s-min=5.0km az=31.0. EMS: IV INTENSIDAD MAXIMA-CRAAG.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.8km az=40.6.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=6.4km az=45.0.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.2km az=162.0.

(263) Talaud Islands

ISC VII 23 09 55 09.6–.28 3.91N–.02 126.16E–.03 106–2 4.9b 242 1-161
BJI VII 23 09 55 07.4 3.90N 126.21E 104 5.0b,4.9b **¶11153606**
NEIC VII 23 09 55 08.9–.24 3.92N 126.08E 102 5.1b,4.9b
IDC VII 23 09 55 08.6–.53 3.94N 126.03E 98–4 4.5,4.4
ISCJB VII 23 09 55 08.3–.30 3.91N–.02 126.17E–.03 108–3 4.9b,4.4
MOS VII 23 09 55 08.3–1.1 3.92N 126.06E 113 5.0b,4.4
GCMT VII 23 09 55 10.1–.30 3.99N 126.20E 92–3 5.1W,4.4
DJA VII 23 09 55 11 3.80N 126.19E 102 5.1b,4.4
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=5.3km az=70.0. Felt [III] in Sangihe-Talaud.
IDC Error ellipse: s-maj=15.5km s-min=6.9km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.9km az=168.7.

MOS Error ellipse: s-maj=14.5km s-min=6.8km az=112.5.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s31,c34; s58,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}1.09±.20 $M_{\theta\theta}$4.79±.19; $M_{\phi\phi}$-5.88±.25; $M_{r\theta}$1.22±.12; $M_{\theta\phi}$-3.15±.25; $M_{\phi r}$2.29±.19; Best double couple: NP1:ϕ_s149.00000°,δ73.00000°,λ-6.00000°. NP2:ϕ_s241.00000°,δ84.00000°,λ-163.00000°. Principal axes: T 5.7300,Plg8.0000° ,Azm14.0000°; N 1.7600,Plg72.0000°,Azm259.0000°; P -7.4900,Plg16.0000°,Azm106.0000° M_o6.60000×10^{16}

(265) Minahassa Peninsula, Sulawesi

ISC	**VII**	**23 12 01 14.2–.40**	**0.03S–.04**	**123.41E–.04**	**152–4**	**4.6b**	**119**	**1-160**
MOS	VII	23 12 01 01.0–1.8	0.15N	123.32E	42	5.0b		¶11480097
IDC	VII	23 12 01 11.7–3.9	0.04N	123.31E	131–36	4.1,4.0		
ISCJB	VII	23 12 01 13.3–.40	0.02S–.04	123.39E–.04	158–4	4.6b,4.0		
DJA	VII	23 12 01 14	0.03S	123.32E	129	4.8,4.0		
NEIC	VII	23 12 01 15.9–1.3	0.01N	123.49E	174–13	4.8b,4.0		

ISC Event type fe.
MOS Error ellipse: s-maj=17.3km s-min=7.7km az=117.0.
IDC Error ellipse: s-maj=24.3km s-min=10.8km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=5.6km az=154.0.
NEIC Event type fe. Error ellipse: s-maj=10.8km s-min=5.6km az=59.0. Felt [III] at Gorontalo.

(227) Eastern Honshu

ISC	**VII**	**23 15 26 20.7–.06**	**39.80N–.01**	**141.50E–.01**	**113**	**6.5b**	**2372**	**0-164**
NIED	VII	23 15 26 00	39.70N	141.70E	104	6.8W		¶13389912
BGS	VII	23 15 26 05.4–1.5	38.84N	142.57E	33–0	6.4b,6.1s		
MOS	VII	23 15 26 17.8–.91	39.83N	141.53E	101	6.6b,6.4s		
BJI	VII	23 15 26 17.2	39.70N	141.46E	107	7.0b,6.5b		
JMA	VII	23 15 26 19.6–.10	39.73N	141.64E	108–1	6.8,6.5b		
ISCJB	VII	23 15 26 19.1–.06	39.77N–.01	141.52E–.01	111	6.5b,6.5b		
IDC	VII	23 15 26 19.1–.90	39.81N	141.57E	100–6	6.2s,6.2		
SZGRF	VII	23 15 26 19.0	40.35N	143.59E	115	6.7b,6.2		
NEIC	VII	23 15 26 19.9–.09	39.80N	141.46E	108	7.0,6.8W		
DJA	VII	23 15 26 24	39.68N	141.34E	120	7.3W,6.8W		
GCMT	VII	23 15 26 24.1–.10	39.73N	141.51E	99–0	6.8W,6.8W		

ISC Event type de.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ71.00000°,λ-93.00000°. NP2:ϕ_s7.00000°,δ19.00000°,λ-82.00000°. M_o1.72000×10^{19}
BGS Error ellipse: s-maj=140.4km s-min=341.6km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=105.6. Felt (IV) at Malokuril'skoe; (III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s83.00000°,δ27.00000°,λ-53.00000°. NP2: ϕ_s222.00000°,δ69.00000°,λ-107.00000°. Principal axes: T Plg22.0000°,Azm325.0000° ; N Plg16.0000°,Azm228.0000°; P Plg62.0000°,Azm106.0000°
ISCJB Event type de. Error ellipse: s-maj=1.7km s-min=1.3km az=144.7.
IDC Error ellipse: s-maj=8.2km s-min=6.2km az=81.0.
SZGRF Off east coast of Honshu, Japan.
NEIC Event type de. Error ellipse: s-maj=2.9km s-min=2.3km az=170.0. One person killed, about 200 injured, 90 buildings damaged, landslides occurred, roads closed, train service and power disrupted in northern Honshu. Felt [VII] at Misawa; [IV] at Ayase and Tsukuba; [III] at Narita, Ome, Tokyo, Yokohama and Yokosuka. Also felt [III] at Sapporo, Hokkaido. Felt widely in southwestern Hokkaido and in Honshu as far south as the Tokyo area. Recorded [6U JMA] in Iwate; [6L JMA] in Aomori; [5U JMA] in Miyagi; [4 JMA] in Akita, Fukushima, Ibaraki and Yamagata; [3 JMA] in Chiba, Gumma, Kanagawa, Niigata, Saitama, Tochigi and Tokyo; [2 JMA] in Ishikawa, Nagano, Shizuoka and Yamanashi; [1 JMA] in Aichi, Fukui and Shiga. Also recorded [4 JMA] in eastern and southern Hokkaido; [2 JMA] on Hachijo-jima, Miyake-jima and O-shima; [1 JMA] on Aogo-shima, Kozu-shima and Mikura-jima. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000° ,δ70.00000°,λ-90.00000°. NP2:ϕ_s55.00000°,δ20.00000°,λ-90.00000°. Principal axes: T Plg25.0000°,Azm325.0000°; N Plg0.0000°,Azm0.0000°; P Plg58.0000°,Azm107.0000° Moment Tensor Solution. s184 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.09 $M_{\theta\theta}$0.47 $M_{\phi\phi}$0.62 $M_{r\theta}$-0.27 $M_{\theta\phi}$0.06 $M_{\phi r}$1.72 Best double couple: NP1:ϕ_s173.00000°,δ77.00000°,λ-92.00000°. NP2:ϕ_s3.00000°,δ13.00000°,λ-79.00000°. Principal axes: T 1.6900,Plg31.0000° ,Azm264.0000°; N 0.4900,Plg2.0000°,Azm173.0000°; P -2.1800,Plg57.0000°,Azm79.0000° M_o2.00000×10^{19} Moment Tensor Solution. M_o1.70000×10^{19} Moment Tensor Solution. M_o9.80000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 103 sta. Surface waves: sta=116, comp=304, per= 50. Moment Tensor Solution. s113,c299; s99,c234; Moment tensor: Scale 10^{19}Nm; M_{rr}-1.35±.01 $M_{\theta\theta}$0.49±.01; $M_{\phi\phi}$0.86±.01; $M_{r\theta}$-0.18±.01; $M_{\theta\phi}$0.13±.01; $M_{\phi r}$1.57±.01; Best double couple: NP1:ϕ_s14.00000°,δ18.00000° ,λ-75.00000°. NP2:ϕ_s178.00000°,δ73.00000°,λ-95.00000°. Principal axes: T 1.6700,Plg27.0000°,Azm272.0000°; N 0.5100,Plg5.0000°,Azm179.0000° ; P -2.1800,Plg62.0000°,Azm80.0000° M_o1.90000×10^{19}

(265) Minahassa Peninsula, Sulawesi

ISC	**VII**	**23 18 02 17.4–.50**	**1.58N–.03**	**121.11E–.06**	**62–7**	**4.3b**	**49**	**1-87**
BJI	VII	23 18 02 12.4	1.30N	120.90E	24	4.8b,4.5b		¶11480101
NEIC	VII	23 18 02 13.4–6.9	1.31N	120.87E	24–51	4.9b,4.5b		
ISCJB	VII	23 18 02 15.8–.56	1.61N–.03	121.10E–.06	63–7	4.3b,4.5b		
DJA	VII	23 18 02 16	1.70N	120.98E	63	4.6b,4.5b		
IDC	VII	23 18 02 16.4–5.8	1.27N	120.78E	49–61	4.0L,3.9		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=19.4km s-min=7.4km az=50.0. Felt [III] at Tolitoli.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.4km az=179.8.
IDC Error ellipse: s-maj=27.6km s-min=15.2km az=64.0.

(224) Hokkaido region

ISC	**VII**	**23 18 04 44.3–.33**	**41.58N–.03**	**142.06E–.05**	**59–4**	**3.9b**	**72**	**1-87**
BJI	VII	23 18 04 35.2	40.60N	142.73E	62	5.0b,4.2b		¶11480102
JMA	VII	23 18 04 43.6–.10	41.57N	142.06E	64–3	3.6,4.2b		
ISCJB	VII	23 18 04 43.3–.32	41.58N–.03	142.07E–.05	67–4	3.8b,4.2b		
MOS	VII	23 18 04 43.9–1.2	41.64N	142.18E	77	4.3b,4.2b		
NEIC	VII	23 18 04 44.5–.78	41.62N	142.10E	63–9	4.3b,4.2b		
IDC	VII	23 18 04 46.4–.76	41.68N	142.11E	77–6	3.8,3.7b		

ISC Event type fe.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s155.00000°,δ13.00000°,λ50.00000°. NP2: ϕ_s16.00000°,δ80.00000°,λ98.00000°. Principal axes: T Plg54.0000°,Azm296.0000° ; N Plg8.0000°,Azm195.0000°; P Plg35.0000°,Azm99.0000°
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.6km az=38.1.
MOS Error ellipse: s-maj=14.7km s-min=8.9km az=75.3.
NEIC Event type fe. Error ellipse: s-maj=14.1km s-min=8.2km az=145.0. Recorded [1 JMA] in Aomori, Honshu.
IDC Error ellipse: s-maj=17.0km s-min=9.2km az=110.0.

(307) Sichuan

ISC	**VII**	**23 19 54 45.0–.53**	**32.83N–.01**	**105.54E–.02**	**6–3**	**5.6b,5.2s**	**1186**	**2-175**
BGS	VII	23 19 54 26.6–1.4	31.77N	106.52E	10–0	5.5b,5.3s		¶12951595
BJI	VII	23 19 54 42.9	32.72N	105.63E	10	5.8b,5.7s		
ISCJB	VII	23 19 54 43.8–.08	32.83N–.01	105.54E–.02	10	5.6b,5.2s		
IDC	VII	23 19 54 43.4–.36	32.78N	105.60E	0	5.4,5.4b		
NEIC	VII	23 19 54 44.2–.10	32.75N	105.50E	4	5.8b,5.7		
TEH	VII	23 19 54 45.0	32.78N	105.55E	10	5.8b,5.7		
MOS	VII	23 19 54 45.2–.83	32.78N	105.60E	23	5.9b,5.1s		
GCMT	VII	23 19 54 47.2–.20	32.71N	105.61E	12	5.5W,5.1s		
SZGRF	VII	23 19 54 47.9	32.60N	105.87E	33	6.0b,5.4s		
DJA	VII	23 19 54 49	32.76N	105.32E	19	5.9W,5.4s		

ISC Event type de.
BGS Error ellipse: s-maj=269.2km s-min=383.6km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.1km s-min=1.8km az=39.0.
IDC Error ellipse: s-maj=13.2km s-min=8.9km az=47.0.
NEIC Event type de. Error ellipse: s-maj=3.1km s-min=2.4km az=192.0. Casualties and damage are included with the event on July 24 at 07:09 UTC. Felt [IV] at Baoji and Hanzhong; [III] at Xi'an. Felt at Ankang, Chengdu, Deyang, Guangyuan, Leshan, Mianyang and Nanchong. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
MOS Error ellipse: s-maj=5.8km s-min=3.3km az=120.9.
GCMT Event type se. Data Used: II IU G IC CN. Surface waves: sta= 85, comp=171, per= 50. Moment Tensor Solution. s34,c38; s7,c7; Moment tensor: Scale 10^{17}Nm; M_{rr}1.90±.04 $M_{\theta\theta}$-0.12±.03; $M_{\phi\phi}$-1.79±.03; $M_{r\theta}$0.70±.15; $M_{\theta\phi}$0.18±.03; $M_{\phi r}$-0.17±.11; Best double couple: NP1:ϕ_s10.00000°,δ44.00000°,λ115.00000°. NP2:ϕ_s157.00000°,δ51.00000°,λ68.00000°. Principal axes: T 2.1200,Plg73.0000°,Azm5.0000°; N -0.3000,Plg17.0000°,Azm171.0000° ; P -1.8300,Plg4.0000°,Azm262.0000° M_o2.00000×10^{17}
SZGRF Sichuan, China.

(221) Kuril Islands

ISC	**VII**	**24 01 43 18.4–.08**	**50.93N–.02**	**157.51E–.02**	**45**	**6.0s,5.8b**	**1978**	**1-159**
BJI	VII	24 01 43 13.5	50.87N	157.78E	33	6.1s,6.0b		¶11153647
ISCJB	VII	24 01 43 15.6–.08	50.84N–.02	157.59E–.02	39	6.0s,5.8b		
NEIC	VII	24 01 43 16.1–.10	50.97N	157.58E	27	6.2W,6.1W		
BGS	VII	24 01 43 16.2–1.2	51.12N	157.59E	20–0	5.9s,5.9b		
MOS	VII	24 01 43 16.6–.96	50.84N	157.59E	49	6.1s,6.1b		
KRSC	VII	24 01 43 17.6–1.5	50.80N	158.30E	36–35	6.3L,6.1b		
SZGRF	VII	24 01 43 19.7	50.52N	158.07E	84	6.1b,6.1b		
IDC	VII	24 01 43 19.7–2.2	50.97N	157.54E	61–19	5.9,5.8s		
GCMT	VII	24 01 43 22.7–.10	50.71N	158.15E	42–0	6.2W,5.8s		
DJA	VII	24 01 43 24	51.04N	157.80E	103	6.0W,5.8s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.4km az=169.6.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=1.7km az=170.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ60.00000° ,λ100.00000°. NP2:ϕ_s206.00000°,δ31.00000°,λ73.00000°. Principal axes: T Plg73.0000° ,Azm340.0000°; N Plg0.0000°,Azm0.0000°; P Plg14.0000°,Azm128.0000° Moment Tensor Solution. s177 Moment tensor: Scale 10^{18}Nm; M_{rr}1.58 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$-0.99 $M_{r\theta}$0.56 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.25 Best double couple: NP1:ϕ_s47.00000°,δ55.00000°,λ101.00000°. NP2:ϕ_s208.00000° ,δ36.00000°,λ75.00000°. Principal axes: T 1.7200,Plg76.0000°,Azm352.0000° ; N -0.1100,Plg8.0000°,Azm220.0000°; P -1.6100,Plg9.0000°,Azm129.0000° M_o1.70000×10^{18} Moment Tensor Solution. M_o2.90000×10^{18}
BGS Error ellipse: s-maj=140.4km s-min=366.0km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=5.9km s-min=3.1km az=90.8. Felt (III-IV) at Severo-Kuril'sk; (III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
SZGRF East of Kuril Islands, Russia.
IDC Error ellipse: s-maj=12.6km s-min=8.5km az=149.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=277, per= 50. Moment Tensor Solution. s109,c276; s85,c146; Moment tensor: Scale 10^{18}Nm; M_{rr}2.25±.01 $M_{\theta\theta}$-0.85±.01; $M_{\phi\phi}$-1.39±.01; $M_{r\theta}$0.86±.01; $M_{\theta\phi}$-1.34±.01; $M_{\phi r}$0.60±.01; Best double couple: NP1:ϕ_s212.00000°,δ34.00000°,λ78.00000°. NP2:ϕ_s46.00000°,δ57.00000°,λ98.00000°. Principal axes: T 2.4900,Plg77.0000°,Azm341.0000°; N 0.2100,Plg7.0000°,Azm222.0000° ; P -2.7000,Plg12.0000°,Azm130.0000° M_o2.60000×10^{18}

(116) Central Peru

ISC	**VII**	**24 02 21 34.5–1.5**	**14.2S–.30**	**71.4W–.20**	**55–17**	**4.3b**	**16**	**4-146**
IDC	VII	24 02 21 28.4–.96	13.74S	71.09W	0	4.4,4.3b		¶11812497
ISCJB	VII	24 02 21 34.2–1.9	14.2S–.30	71.3W–.20	68–20	4.1b,4.3b		
NEIC	VII	24 02 21 34.6–1.0	14.18S	71.34W	55–10	4.0b,4.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=50.3km s-min=14.1km az=40.0.
ISCJB Event type fe. Error ellipse: s-maj=62.3km s-min=17.3km az=35.6.
NEIC Event type fe. Error ellipse: s-maj=28.9km s-min=9.6km az=215.0. Felt [III] at Yanaoca and [II] at Cusco.

(227) Eastern Honshu

ISC	**VII**	**24 02 27 53.7–.18**	**39.66N–.02**	**141.46E–.03**	**109**	**4.7b**	**342**	**0-145**
NIED	VII	24 02 27 00	39.60N	141.50E	110	5.1W		¶13389952
BJI	VII	24 02 27 51.1	39.61N	141.56E	117	5.6b,4.9b		
ISCJB	VII	24 02 27 52.5–.18	39.71N–.02	141.41E–.03	107	4.7b,4.9b		
IDC	VII	24 02 27 52.9–1.6	39.65N	141.49E	108–13	4.1s,4.1		
SZGRF	VII	24 02 27 52.7	39.85N	142.63E	104	4.9b,4.1		
MOS	VII	24 02 27 52.6–1.0	39.81N	141.31E	105	4.9b,4.1		
JMA	VII	24 02 27 53.9–.10	39.62N	141.52E	112–1	4.8,4.1		
NEIC	VII	24 02 27 54.0	39.62N	141.52E	112	5.1W,4.9b		
GCMT	VII	24 02 27 56.0–.40	39.80N	141.45E	130–6	5.2W,4.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ85.00000°,λ-92.00000°. NP2:ϕ_s49.00000°,δ5.00000°,λ-63.00000°. M_o5.37000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=31.2.
IDC Error ellipse: s-maj=13.0km s-min=9.6km az=142.0.
SZGRF Near east coast of eastern Honshu, Japan.
MOS Error ellipse: s-maj=7.6km s-min=4.5km az=106.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s321.00000°,δ10.00000°,λ-158.00000°. NP2: ϕ_s209.00000°,δ86.00000°,λ-81.00000°. Principal axes: T Plg41.0000°,Azm291.0000° ; N Plg9.0000°,Azm29.0000°; P Plg48.0000°,Azm129.0000°
NEIC Event type fe. Recorded [3 JMA] in Aomori and Iwate; [2 JMA] in Miyagi; [1 JMA] in Akita and Fukushima. Also recorded [2 JMA] in southwestern Hokkaido. After JMA. Moment Tensor Solution. M_o5.40000×10^{16}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s13,c13; s67,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.85±.44 $M_{\theta\theta}$2.07±.50; $M_{\phi\phi}$-0.22±.56; $M_{r\theta}$1.90±.27; $M_{\theta\phi}$2.94±.47; $M_{\phi r}$6.32±.30; Best double couple: NP1:ϕ_s92.00000°,δ25.00000°,λ-19.00000°. NP2:ϕ_s200.00000°,δ82.00000°,λ-114.00000°. Principal axes: T 7.5400,Plg33.0000° ,Azm310.0000°; N -0.1000,Plg23.0000°,Azm203.0000°; P -7.4400,Plg48.0000° ,Azm85.0000° M_o7.50000×10^{16}

(544) Switzerland

ISC	**VII**	**24 04 14 07.0–.20**	**46.04N–.01**	**6.83E–.02**	**11–2**		**177**	**0-8**
ISCJB	VII	24 04 14 06.0–.22	46.05N–.01	6.73E–.02	10			¶11163242
CSEM	VII	24 04 14 07.0–.10	46.04N	6.84E	10	3.3L		
ROM	VII	24 04 14 07.8–.17	46.02N	6.95E	7–2	2.5L		
NEIC	VII	24 04 14 07.6	46.04N	6.89E	2	3.3L,3.0L		
LDG	VII	24 04 14 07.6–.04	46.04N	6.89E	2–0	3.3L,3.1		
STR	VII	24 04 14 08.2–.26	46.04N	6.92E	5–0	3.0L,3.1		
ZUR	VII	24 04 14 08.3	46.04N	6.92E	5–1	2.6L,3.1		
PRU	VII	24 04 14 10.8	46.13N	7.03E	0	2.6L,3.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.7km az=179.6.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=100.0.
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=68.0.
NEIC Event type fe. Felt in the Chamonix area. After LDG.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=88.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(226) Near west coast of eastern Honshu

JMA	**VII**	**24 06 01 52.3**	**37.40N**	**138.99E**	**9–1**	**3.8**		
NIED	VII	24 06 01 00	37.40N	139.00E	5	3.7W		¶11153662

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s28.00000°,δ23.00000°,λ102.00000°. NP2:ϕ_s195.00000°,δ67.00000°,λ85.00000°. Principal axes: T Plg67.0000°,Azm96.0000°; N Plg5.0000°,Azm197.0000°; P Plg22.0000° ,Azm289.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ63.00000°,λ82.00000°. NP2:ϕ_s24.00000°,δ28.00000°,λ106.00000°. M_o4.00000×10^{14}

(307) Sichuan

ISC	**VII**	**24 07 09 29.3–.57**	**32.81N–.01**	**105.57E–.01**	**3–3**	**5.5b,5.4s**	**1381**	**2-175**
TEH	VII	24 07 06 09.0	32.81N	105.60E	10	5.5b,5.4s		¶13389968
BGS	VII	24 07 09 27.3–1.4	32.31N	105.56E	10–0	5.6s,5.3b		
BJI	VII	24 07 09 27.7	32.76N	105.61E	10	6.0s,5.7L		
ISCJB	VII	24 07 09 28.6–.08	32.77N–.01	105.50E–.01	10	5.5b,5.4s		
IDC	VII	24 07 09 28.4–.43	32.81N	105.67E	0	5.5,5.5		
SZGRF	VII	24 07 09 29.7	32.15N	105.74E	33	5.9b,5.6s		
MOS	VII	24 07 09 29.8–.87	32.80N	105.60E	21	5.7b,5.3s		
NEIC	VII	24 07 09 30.1–.11	32.75N	105.54E	10	5.7W,5.6b		
GCMT	VII	24 07 09 31.8–.10	32.82N	105.55E	13–0	5.6W,5.6b		
DJA	VII	24 07 09 33	32.73N	105.49E	10	5.9W,5.6b		

ISC Event type de.
BGS Error ellipse: s-maj=286.0km s-min=427.0km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.0km s-min=1.8km az=17.4.
IDC Error ellipse: s-maj=13.8km s-min=10.9km az=35.0.
SZGRF Sichuan, China.
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=120.5.
NEIC Event type de. Error ellipse: s-maj=3.4km s-min=2.6km az=193.0. One person killed, 17 injured and 1,200 houses destroyed in Sichuan. Felt [IV] at Chengdu and [II] at Xi'an. Also felt at Baoji, Beidao, Chongqing, Deyang, Hanzhong, Mianyang, Nanchong, Xianyang and Yanliang.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=100, comp=196, per= 50. Moment Tensor Solution. s76,c127; s31,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}1.31±.04 $M_{\theta\theta}$1.01±.04; $M_{\phi\phi}$-2.31±.04; $M_{r\theta}$0.18±.09; $M_{\theta\phi}$2.20±.03; $M_{\phi r}$0.31±.09; Best double couple: NP1:ϕ_s110.00000°,δ75.00000°,λ12.00000°. NP2:ϕ_s17.00000°,δ79.00000°,λ165.00000°. Principal axes: T 2.2100,Plg19.0000°,Azm333.0000°; N 1.2200,Plg71.0000°,Azm161.0000° ; P -3.4100,Plg2.0000°,Azm64.0000° M_o2.80000×10^{17}

(243) Taiwan region

ISC	**VII**	**24 12 54 26.9–.13**	**25.03N–.02**	**122.97E–.02**	**156–1**	**4.7b**	**416**	**1-166**
NIED	VII	24 12 54 00	25.00N	123.00E	150	4.5W		**¶11153675**
SZGRF	VII	24 12 54 14.4	25.67N	123.41E	33	4.8b		
ISCJB	VII	24 12 54 25.8–.13	25.03N–.02	122.96E–.01	161–1	4.7b		
MOS	VII	24 12 54 26.7–.79	25.16N	123.02E	169	4.8b		
NEIC	VII	24 12 54 27.5–.39	25.06N	122.88E	162–3	4.7b		
IDC	VII	24 12 54 27.5–1.8	25.14N	123.01E	161–15	4.2b,4.2		
TAP	VII	24 12 54 27.3	25.00N	122.98E	157–0	5.3L,4.2		
BJI	VII	24 12 54 27.6	24.98N	122.92E	186	4.8b,4.7b		
JMA	VII	24 12 54 28.6–.20	25.02N	122.98E	144–3	4.7,4.7b		
DJA	VII	24 12 55 10	24.05N	122.33E	619	4.9b,4.7b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s91.00000°,δ88.00000°,λ76.00000°. NP2:ϕ_s352.00000°,δ14.00000°,λ170.00000°. $M_0$5.98000×10^{15}

SZGRF Northeast of Taiwan.

ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=159.7.

MOS Error ellipse: s-maj=10.3km s-min=5.8km az=110.6.

NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=5.2km az=112.0. Recorded [1 JMA] in the Yaeyama-retto, Ryukyu Islands.

IDC Error ellipse: s-maj=12.6km s-min=11.0km az=50.0.

TAP C.

JMA Event type fe. Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.

(274) Southern Sumatera

ISC	**VII**	**24 13 21 49.6–.49**	**3.55S–.04**	**101.51E–.04**	**68–4**	**4.8b**	**158**	**1-146**
BJI	VII	24 13 21 47.7	3.76S	101.68E	90	5.0b,4.9b		**¶11153676**
ISCJB	VII	24 13 21 48.2–.52	3.53S–.04	101.51E–.04	71–4	4.8b,4.9b		
MOS	VII	24 13 21 49.1–1.1	3.28S	101.76E	72	5.1b,4.9b		
DJA	VII	24 13 21 50	3.55S	101.48E	47	4.9,4.9b		
NEIC	VII	24 13 21 50.5–1.1	3.45S	101.66E	75–8	5.1b,4.9b		
IDC	VII	24 13 21 51.2–2.9	3.35S	101.77E	78–24	4.4,4.4		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.4km az=42.8.

MOS Error ellipse: s-maj=17.7km s-min=7.4km az=108.5.

NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=4.9km az=46.0. Felt [II] at Argamakmur, Bengkulu and Lais.

IDC Error ellipse: s-maj=22.3km s-min=11.5km az=48.0.

(160) Off east coast of North Island

WEL	**VII**	**24 14 21 35.3–.11**	**39.26S**	**177.16E**	**29–0**	**4.5L**		
NEIC	VII	24 14 21 35.1	39.30S	177.19E	38	4.5L		**¶11207745**

WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.8km az=90.0. Felt in the Hawke"s Bay region, maximum reported intensity MM 5.

NEIC Event type fe. Felt [IV] at Napier, Napier South, Onekawa and Taradale. After WEL.

(227) Eastern Honshu

ISC	**VII**	**24 20 48 00.8–.49**	**38.98N–.03**	**140.82E–.04**	**5–4**	**3.7b**	**34**	**0-77**
ISCJB	VII	24 20 48 00.5–.71	38.98N–.03	140.83E–.05	15–5	3.7b		**¶11747142**
JMA	VII	24 20 48 00.6	38.98N	140.82E	8–1	3.9		
NIED	VII	24 20 48 00	39.00N	140.80E	5	3.9W		
NEIC	VII	24 20 48 05.5–.95	38.89N	140.80E	47–10	4.0b		
IDC	VII	24 20 48 06.3–2.3	38.93N	140.76E	52–24	3.6,3.5		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.4km az=12.5.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s339.00000°,δ49.00000°,λ10.00000°. NP2:ϕ_s243.00000°,δ83.00000°,λ138.00000°. Principal axes: T Plg34.0000°,Azm192.0000°; N Plg48.0000°,Azm54.0000°; P Plg22.0000° ,Azm298.0000°

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s227.00000°,δ59.00000°,λ126.00000°. NP2:ϕ_s353.00000°,δ46.00000°,λ46.00000°. $M_0$8.33000×10^{14}

NEIC Event type se. Error ellipse: s-maj=20.2km s-min=9.2km az=124.0.

IDC Error ellipse: s-maj=31.4km s-min=16.6km az=99.0.

(6) Rat Islands

ISC	**VII**	**25 00 29 25.6–.08**	**51.24N–.02**	**178.95E–.01**	**41**	**5.7b,5.5s**	**2008**	**0-160**
BJI	VII	25 00 29 20.5	51.25N	179.03E	23	6.0b,6.0b		**¶13390023**
BGS	VII	25 00 29 21.1–1.2	50.94N	178.58E	20–0	5.7b,5.3s		
NEIC	VII	25 00 29 23.0–.11	51.28N	178.98E	21	6.0,5.9W		
MOS	VII	25 00 29 22.0–.86	51.28N	179.07E	25	5.9b,5.4s		
ISCJB	VII	25 00 29 23.7–.09	51.16N–.02	178.98E–.01	40	5.7b,5.5s		
IDC	VII	25 00 29 24.7–1.4	51.38N	179.09E	31–8	5.5,5.5		
GCMT	VII	25 00 29 26.6–.10	51.12N	178.95E	22–0	5.9W,5.5		
SZGRF	VII	25 00 29 29.7	51.78N	177.39E	33	5.6s,5.5b		
DJA	VII	25 00 29 50	51.05N	178.98E	276	5.7W,5.5b		

ISC Event type fe.

BGS Error ellipse: s-maj=101.5km s-min=312.2km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=1.8km az=181.0. Felt on Adak. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s155 Moment tensor: Scale 10^{17}Nm; M_{rr}3.53 $M_{\theta\theta}$-3.68 $M_{\phi\phi}$0.14 $M_{r\theta}$2.75 $M_{\theta\phi}$-0.51 $M_{\phi r}$1.73 Best double couple: NP1:ϕ_s67.00000° ,δ66.00000°,λ76.00000°. NP2:ϕ_s278.00000°,δ27.00000°,λ118.00000°. Principal axes: T 4.9300,Plg65.0000°,Azm312.0000°; N -0.1000,Plg12.0000°,Azm72.0000° ; P -4.8300,Plg20.0000°,Azm166.0000° $M_0$4.90000×10^{17}

MOS Error ellipse: s-maj=6.0km s-min=3.6km az=96.3.

ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.2km az=1.6.

IDC Error ellipse: s-maj=15.5km s-min=9.1km az=161.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=257, per= 50. Moment Tensor Solution. s106,c237; s69,c87; Moment tensor: Scale 10^{17}Nm; M_{rr}5.72±.06 $M_{\theta\theta}$-5.97±.05; $M_{\phi\phi}$0.25±.04; $M_{r\theta}$4.61±.10; $M_{\theta\phi}$-1.24±.04; $M_{\phi r}$1.90±.09; Best double couple: NP1:ϕ_s268.00000°,δ26.00000°,λ105.00000°. NP2:ϕ_s71.00000°,δ65.00000°,λ83.00000°. Principal axes: T 7.5900,Plg69.0000°,Azm328.0000°; N 0.3800,Plg6.0000°,Azm74.0000° ; P -7.9700,Plg20.0000°,Azm167.0000° $M_0$7.80000×10^{17}

SZGRF Rat Islands, Aleutian Islands, United States.

(228) Near east coast of eastern Honshu

ISC	**VII**	**25 08 59 25.1–.60**	**39.62N–.03**	**142.09E–.08**	**49–5**	**3.7b**	**46**	**0-67**
NIED	VII	25 08 59 00	39.60N	142.10E	62	3.9W		**¶11747145**
ISCJB	VII	25 08 59 23.9–.61	39.63N–.03	142.13E–.08	56–4	3.7b		
JMA	VII	25 08 59 24.9	39.63N	142.11E	48–1	3.7		
MOS	VII	25 08 59 24.7–.72	39.65N	142.18E	74	4.1b		
IDC	VII	25 08 59 24.8–1.5	39.65N	142.07E	49–8	3.6,3.6		
NEIC	VII	25 08 59 24.9	39.63N	142.11E	48	3.9,3.6		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ86.00000°,λ-120.00000°. NP2:ϕ_s114.00000°,δ30.00000°,λ-8.00000°. $M_0$7.16000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.3km az=6.9.

JMA Event type fe.

MOS Error ellipse: s-maj=23.6km s-min=12.1km az=75.6.

IDC Error ellipse: s-maj=39.8km s-min=17.3km az=79.0.

NEIC Event type fe. Recorded [2 JMA] in Iwate and [1 JMA] in Aomori. After JMA.

(122) Near coast of northern Chile

ISC	**VII**	**25 11 09 24.1–.38**	**26.69S–.04**	**70.63W–.09**	**35**	**4.1b**	**37**	**2-151**
IDC	VII	25 11 09 18.0–.78	26.78S	70.85W	0	4.1,4.1b		**¶11812585**
GUC	VII	25 11 09 19.8–.50	26.65S	70.87W	47–999	4.7L,4.1b		
ISCJB	VII	25 11 09 21.7–.37	26.64S–.03	70.54W–.09	33	4.1b,4.1b		
NEIC	VII	25 11 09 23.5–.39	26.72S	70.64W	35	4.1b,4.1b		

ISC Event type fe.

IDC Error ellipse: s-maj=28.3km s-min=25.2km az=42.0.

GUC Error ellipse: s-maj=10.3km s-min=158.5km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.7km az=175.2.

NEIC Event type fe. Error ellipse: s-maj=13.7km s-min=7.8km az=85.0. Felt [III] at Caldera and Copiapo; [II] at Chanaral and Tierra Amarilla.

(136) Central Chile

ISC	**VII**	**25 12 13 08.5–1.7**	**28.20S–.02**	**70.95W–.06**	**27–12**	**5.0b,4.4s**	**593**	**1-177**
ISCJB	VII	25 12 13 03.5–1.6	28.14S–.03	70.94W–.06	15–12	5.0b,4.4s		**¶11153724**
IDC	VII	25 12 13 03.6–.61	28.31S	71.11W	0	4.6b,4.6		
NEIC	VII	25 12 13 07.8–1.0	28.18S	70.98W	23–7	5.1b,5.0L		
GUC	VII	25 12 13 08.3–.87	28.30S	71.32W	30–7	5.0L,5.0L		
MOS	VII	25 12 13 08.3–1.0	27.99S	70.94W	33	5.3b,5.0L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.4km az=175.3.

IDC Error ellipse: s-maj=26.2km s-min=17.1km az=55.0.

NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.0km az=73.0. Felt [IV] at Vallenar; [III] at Alto del Carmen, Caldera, Copiapo, Freirina, Huasco and Tierra Amarilla; [II] at La Higuera.

GUC Error ellipse: s-maj=2.5km s-min=10.5km az=-1.0.

MOS Error ellipse: s-maj=15.1km s-min=8.0km az=107.4.

(744) Mauritania

ISC	**VII**	**25 23 53 11.6–.25**	**20.44N–.03**	**17.13W–.04**	**10**	**4.4b,3.5s**	**557**	**7-153**
SZGRF	VII	25 23 52 52.2	17.23N	16.77W	24	4.4b,3.5s		**¶13390109**
ISCJB	VII	25 23 53 09.8–.25	20.44N–.03	17.10W–.04	10	4.4b,3.5s		
BJI	VII	25 23 53 09.3	20.40N	17.10W	10	5.2b,5.0s		
IDC	VII	25 23 53 09.6–.51	20.45N	17.10W	0	4.4,4.4		
MOS	VII	25 23 53 10.4–.84	20.44N	17.08W	15	4.6b,4.4		
NEIC	VII	25 23 53 11.3–.19	20.42N	17.12W	10	4.5b,4.4		
CSEM	VII	25 23 53 13.2–.10	20.43N	17.09W	21	4.5b,3.3s		

ISC Event type fe.

SZGRF Mauritania.

ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.5km az=29.5.

IDC Error ellipse: s-maj=17.2km s-min=14.0km az=125.0.

MOS Error ellipse: s-maj=10.1km s-min=3.6km az=62.8.

NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.6km az=120.0. Felt at Banc d'Arguin.

CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=121.0.

(228) Near east coast of eastern Honshu

ISC	**VII**	**26 01 07 41.1–.39**	**37.55N–.03**	**141.92E–.04**	**35**	**4.3b**	**83**	**1-146**
NIED	VII	26 01 07 00	37.60N	141.90E	41	4.1W		**¶13390115**
ISCJB	VII	26 01 07 39.2–.41	37.56N–.03	142.01E–.04	35	4.3b		
JMA	VII	26 01 07 40.2–.10	37.57N	141.91E	36–3	4.3		
MOS	VII	26 01 07 41.3–.86	37.63N	141.87E	52	4.7b		
IDC	VII	26 01 07 41.2–.88	37.55N	141.90E	35–6	4.0,3.9b		
BJI	VII	26 01 07 41.3	37.09N	141.65E	56	4.9b,4.7b		
NEIC	VII	26 01 07 42.4–.81	37.62N	141.89E	44–6	4.5b,4.1W		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ69.00000°,λ83.00000°. NP2:ϕ_s218.00000°,δ22.00000°,λ108.00000°. $M_0$1.62000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.0km az=136.6.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

MOS Error ellipse: s-maj=11.6km s-min=8.0km az=111.1.

IDC Error ellipse: s-maj=17.6km s-min=13.5km az=153.0.

NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=6.4km az=151.0. Recorded [1 JMA] in Fukushima and Miyagi. Moment Tensor Solution. $M_0$1.60000×10^{15}

(73) El Salvador

ISC	**VII**	**26 12 02 54.1–.33**	**13.43N–.05**	**89.40W–.04**	**67–2**	**4.2b**	**133**	**0-147**
ISCJB	VII	26 12 02 52.7–.36	13.38N–.05	89.43W–.04	74–2	4.2b		**¶11812651**
CASC	VII	26 12 02 53.3–1.9	13.24N	89.51W	34–4	4.4L,4.2b		
IDC	VII	26 12 02 54.3–2.2	13.48N	89.36W	82–20	3.9,3.8		
NEIC	VII	26 12 02 55.0–.90	13.36N	89.33W	92–8	4.4,4.2b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=3.2km az=34.5.

CASC Error ellipse: s-maj=4.7km s-min=3.6km az=-1.0.

IDC Error ellipse: s-maj=31.0km s-min=14.6km az=50.0.

NEIC Event type fe. Error ellipse: s-maj=13.3km s-min=7.7km az=47.0. Felt [II] at San Salvador.

(124) Chile-Bolivia border region

ISC	**VII**	**26 17 39 26.3–.42**	**21.55S–.03**	**68.16W–.03**	**101–3**	**4.7b**	**557**	**1-173**
ISCJB	VII	26 17 39 25.8–.43	21.54S–.03	68.23W–.04	111–3	4.7b		**¶11153783**
GUC	VII	26 17 39 27.5–.76	21.55S	68.59W	138–9	4.9L		
NEIC	VII	26 17 39 29.8–.20	21.56S	68.24W	137	4.7b		
LDG	VII	26 17 39 30.2–.28	20.88S	68.19W	130–0	4.8b		
IDC	VII	26 17 39 30.3–.70	21.39S	68.13W	135–5	4.6,4.6		
BJI	VII	26 17 39 31.8	21.60S	68.20W	136	5.0b,4.6		
MOS	VII	26 17 39 31.5–1.2	21.25S	68.29W	153	4.6b,4.6		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.9km az=42.5.

GUC Error ellipse: s-maj=2.9km s-min=10.4km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.7km az=224.0. Felt [II] at Maria Elena.

LDG Event type ke. Error ellipse: s-maj=17.6km s-min=9.4km az=11.0.

IDC Error ellipse: s-maj=17.8km s-min=12.7km az=54.0.

MOS Error ellipse: s-maj=12.3km s-min=7.1km az=97.5.

(163) Cook Strait

WEL	**VII**	**26 18 43 01.6–.09**	**40.33S**	**173.56E**	**5**	**4.3L**		
NEIC	VII	26 18 43 01.4	40.31S	173.55E	5	4.3L		**¶11207796**

WEL Event type fe. Error ellipse: s-maj=1.2km s-min=0.6km az=90.0. Felt from Taranaki to Nelson, maximum reported intensity MM 4.

NEIC Event type se. After WEL.

(316) Bangladesh

ISC	**VII**	**26 18 51 51.1–.92**	**24.74N–.02**	**90.51E–.02**	**18–5**	**4.8b,4.0s**	**628**	**1-158**
DMN	VII	26 18 51 38.6–.64	23.85N	90.70E	10–0	7.0b,4.0s		**¶11153787**
IDC	VII	26 18 51 48.9–.47	24.87N	90.52E	0	4.8L,4.7		
BJI	VII	26 18 51 49.9	24.96N	90.55E	19	4.8b,4.7L		
ISCJB	VII	26 18 51 49.4–.67	24.75N–.02	90.50E–.02	21–4	4.8b,4.0s		
LDG	VII	26 18 51 49.8–.19	24.90N	90.09E	10–0	4.9b,3.8s		
NEIC	VII	26 18 51 51.0–1.2	24.79N	90.54E	18–7	4.8b,4.1s		
MOS	VII	26 18 51 50.3–.84	24.75N	90.51E	27	5.0b,4.0s		
SZGRF	VII	26 18 51 57.8	24.73N	89.62E	33	5.2b,4.2s		
BGS	VII	26 18 52 19.4–1.7	25.69N	88.80E	33–0	4.7b,4.2s		

ISC Event type de.

DMN Event type ke. Error ellipse: s-maj=18.6km s-min=11.6km az=69.0.

IDC Error ellipse: s-maj=16.9km s-min=11.5km az=41.0.

ISCJB Event type de. Error ellipse: s-maj=4.1km s-min=2.8km az=2.4.

LDG Event type ke. Error ellipse: s-maj=9.4km s-min=7.2km az=179.0.

NEIC Event type de. Error ellipse: s-maj=4.7km s-min=2.8km az=213.0. At least 25 people injured at Dhaka. Felt [IV] at Dhaka. Felt at Maimansingh. Also felt at Agartala, India.

MOS Error ellipse: s-maj=7.4km s-min=3.4km az=127.7.

SZGRF Bangladesh.

BGS Error ellipse: s-maj=890.8km s-min=931.7km az=-1.0.

(244) Taiwan

ISC	**VII**	**26 20 15 11.4–.21**	**23.20N–.01**	**120.54E–.02**	**17–1**	**3.4b**	**123**	**0-48**
IDC	VII	26 20 15 07.8–1.1	22.95N	120.24E	0	3.6,3.5b		**¶11153791**
NEIC	VII	26 20 15 09.8–1.3	23.16N	120.53E	15–7	4.4L,3.5b		
TAP	VII	26 20 15 10.4	23.20N	120.55E	15–0	4.1L,3.5b		
ISCJB	VII	26 20 15 11.3–.22	23.20N–.01	120.53E–.02	20–2	3.4b,3.5b		

ISC Event type fe.

NEIC Event type fe. Recorded [3 TAP] in Chia-i; [2 TAP] in Kao-hsiung and T'ai-nan; [1 TAP] in Chang-hua and Yun-lin.

TAP B.

ISCJB Event type fe.

(227) Eastern Honshu

ISC	**VII**	**26 20 28 43.0–.52**	**39.14N–.03**	**140.94E–.04**	**2–5**	**3.5b**	**24**	**0-59**
NIED	VII	26 20 28 00	39.20N	140.90E	5	3.5W		**¶11747168**
ISCJB	VII	26 20 28 42.4–.49	39.15N–.03	140.93E–.03	11–4	3.5b		
JMA	VII	26 20 28 42.6	39.16N	140.93E	10–1	3.7		
IDC	VII	26 20 28 44.5–4.4	39.02N	141.01E	18–28	3.5,3.4b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s6.00000°,δ53.00000°,λ77.00000°. NP2: ϕ_s207.00000°,δ39.00000°,λ107.00000°. $M_0$2.05000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.5km az=14.0.

JMA Event type fe.

IDC Error ellipse: s-maj=31.7km s-min=20.3km az=120.0.

(244) Taiwan

ISC	**VII**	**26 20 51 22.8–.21**	**23.20N–.01**	**120.53E–.02**	**17–1**	**3.7b**	**136**	**0-84**
BJI	VII	26 20 51 16.8	23.11N	120.86E	17	4.1L,3.9		**¶11153792**
IDC	VII	26 20 51 19.1–.92	23.13N	120.57E	0	3.8,3.7		
TAP	VII	26 20 51 21.9	23.21N	120.55E	15–0	4.3L,3.7		
ISCJB	VII	26 20 51 22.6–.21	23.19N–.01	120.51E–.02	22–2	3.7b,3.7		
NEIC	VII	26 20 51 22.1–.69	23.20N	120.59E	17–4	4.4L,4.2b		

ISC Event type fe.

IDC Error ellipse: s-maj=33.7km s-min=20.1km az=65.0.

TAP B.

ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.2km az=7.9.

NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=6.8km az=107.0. Recorded [3 TAP] in Chia-i; [2 [TAP] in Chang-hua, Kao-hsiung, T'ai-nan and Yun-lin; [1 TAP] in T'ai-tung and P'eng-hu.

(662) Sakhalin Island

ISC	**VII**	**27 18 56 20.1–1.1**	**46.69N–.04**	**141.76E–.07**	**9–9**	**3.3b**	**27**	**1-84**
NIED	VII	27 18 56 00	46.70N	141.60E	5	3.7W		**¶11747177**
JMA	VII	27 18 56 17.8–.30	46.71N	141.64E	0	3.7		
ISCJB	VII	27 18 56 18.2–.97	46.76N–.04	141.65E–.07	9–8	3.3b		
IDC	VII	27 18 56 19.6–1.0	46.54N	142.34E	0	3.7,3.5		
SKHL	VII	27 18 56 19.2–.60	46.83N	141.61E	12–2	3.8b,3.5		

MOS VII 27 18 56 21.1–2.8 46.93N 141.97E 10 3.8b,3.5
NEIC VII 27 18 56 24.1–2.4 46.58N 142.32E 30–15 3.8b,3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ68.00000°,λ95.00000°. NP2:ϕ_s353.00000°,δ22.00000°,λ77.00000°. $M_0$4.36000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.5km az=153.6.
IDC Error ellipse: s-maj=35.2km s-min=24.7km az=149.0.
SKHL Event type fe. Felt (III-IV) at Kholmsk, (III) at Nevel'sk.
MOS Event type fe. Error ellipse: s-maj=29.6km s-min=25.5km az=98.8. Felt (III-IV) at Kholmsk; (III) at Nevel'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=17.6km az=165.0.

(274) Southern Sumatera

ISC	**VII**	**28 07 10 03.6–.37**	**1.10S–.03**	**99.74E–.03**	**74–3**	**5.0b**	**383**	**1-159**
BJI	VII	28 07 09 56.5	1.94S	99.84E	90	5.1b,4.9s		¶11153857
MOS	VII	28 07 09 59.8–.99	1.06S	99.82E	55	5.4b,4.4s		
ISCJB	VII	28 07 10 01.6–.37	1.13S–.03	99.69E–.03	72–3	5.0b,4.4s		
IDC	VII	28 07 10 02.0–1.3	1.05S	99.85E	63–10	4.6,4.6		
DJA	VII	28 07 10 02.5–.30	1S–3.0	100E–4.0	61–3	5.9b,5.8		
GCMT	VII	28 07 10 03.5–.20	1.07S	99.65E	71–1	5.3W,5.8		
NEIC	VII	28 07 10 04.6–.90	1.07S	99.79E	84–7	5.1b,5.8		
SZGRF	VII	28 07 10 04.5	0.48S	98.61E	33	5.3b,4.5s		
TEH	VII	28 07 10 05.0	1.10S	99.77E	95	5.3b,4.5s		

ISC Event type fe.
MOS Error ellipse: s-maj=9.9km s-min=4.9km az=117.3.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.4km az=137.0.
IDC Error ellipse: s-maj=15.5km s-min=8.4km az=62.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s67,c104; s77,c130; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s84.00000°,δ55.00000°,λ-175.00000°. NP2:ϕ_s351.00000°,δ86.00000°,λ-35.00000°. Principal axes: T 0.9600,Plg21.0000°,Azm43.0000°; N 0.1500,Plg54.0000°,Azm165.0000°; P -1.1100,Plg27.0000°,Azm302.0000° $M_0$1.00000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=4.2km az=48.0. Felt [IV] at Padang and [II] at Padangpanjang, Sumatra. Also felt at Bukittinggi and Pariaman.
SZGRF Southern Sumatera, Indonesia.

(227) Eastern Honshu

ISC	**VII**	**28 15 55 15.3–.43**	**38.95N–.03**	**140.91E–.04**	**8–3**	**3.8b**	**35**	**0-74**
NIED	VII	28 15 55 00	38.90N	140.90E	5	3.7W		¶11153872
ISCJB	VII	28 15 55 15.1–.41	38.96N–.03	140.95E–.04	20–4	3.8b		
JMA	VII	28 15 55 15.3	38.96N	140.91E	8–1	3.9		
IDC	VII	28 15 55 19.4–3.5	38.97N	140.87E	39–31	3.6,3.5b		
NEIC	VII	28 15 55 19.6–.77	38.96N	140.85E	41–8	4.0b,3.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s83.00000°,δ68.00000°,λ68.00000°. NP2:ϕ_s311.00000°,δ31.00000°,λ133.00000°. $M_0$3.85000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.2km az=31.3.
JMA Event type fe.
IDC Error ellipse: s-maj=26.3km s-min=19.8km az=100.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.3km az=127.0.

(116) Central Peru

ISC	**VII**	**28 18 18 40.4–.96**	**14.25S–.07**	**71.27W–.09**	**42–9**	**4.6b,3.4s**	**42**	**4-168**
ISCJB	VII	28 18 18 37.7–1.3	14.22S–.08	71.26W–.09	35–12	4.6b,3.4s		¶11153878
IDC	VII	28 18 18 39.8–3.1	14.24S	71.29W	35–25	4.2b,4.2		
NEIC	VII	28 18 18 40.9–.96	14.24S	71.30W	47–9	4.7b,4.2		
BJI	VII	28 18 18 41.9	14.20S	71.30W	47	5.0s,5.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.6km s-min=8.1km az=141.5.
IDC Error ellipse: s-maj=26.2km s-min=15.3km az=39.0.
NEIC Event type fe. Error ellipse: s-maj=14.4km s-min=7.1km az=51.0. Felt [II] at Sicuani.

(364) Greece

ISC	**VII**	**28 21 49 25.1–.29**	**40.71N–.01**	**21.88E–.01**	**5–2**	**3.7b**	**462**	**0-94**
IDC	VII	28 21 49 22.0–1.6	40.55N	21.75E	0	3.9,3.8		¶11163286
THE	VII	28 21 49 24.8	40.70N	21.89E	3–0	4.2L,3.8		
PDG	VII	28 21 49 24.5–.60	40.70N	21.90E	6–1	3.7L,3.8		
ISCJB	VII	28 21 49 24.1–.28	40.72N–.01	21.87E–.01	7–2	3.7b,3.8		
CSEM	VII	28 21 49 24.9–.07	40.70N	21.88E	5	3.6L,3.8		
SKO	VII	28 21 49 24.1	40.72N	21.85E	15	3.6L,3.2		
NEIC	VII	28 21 49 25.0	40.66N	21.90E	23	3.6L,3.2		
ATH	VII	28 21 49 25.0	40.66N	21.90E	23–0	3.7,3.6L		
SOF	VII	28 21 49 26.0	40.76N	22.07E	9	3.5,3.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=24.1km s-min=17.7km az=171.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=334.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=35.9.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=45.0.
NEIC Event type fe. Felt at Edessa and Veroia. After ATH.
ATH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.

(144) Southern Chile

ISC	**VII**	**29 06 03 06.9–3.2**	**42.8S–.10**	**74.2W–.10**	**34–24**	**3.7b**	**18**	**1-163**
IDC	VII	29 06 03 00.6–1.7	43.04S	74.32W	0	4.0,3.9		¶11812823
ISCJB	VII	29 06 03 05.7–2.4	42.8S–.10	74.2W–.20	42–18	3.7b,3.9		
GUC	VII	29 06 03 05.6–.56	42.66S	74.30W	28–10	4.2L,3.9		
NEIC	VII	29 06 03 05.6	42.66S	74.30W	28	4.2L,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=39.1km s-min=35.6km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=24.3km s-min=21.6km az=161.4.
GUC Error ellipse: s-maj=6.6km s-min=7.0km az=-1.0.
NEIC Event type fe. Felt [III] at Castro, Palena, Puerto Cardenas and Quellon. After GUC.

(227) Eastern Honshu

ISC	**VII**	**29 07 27 33.3–.42**	**39.06N–.02**	**140.80E–.03**	**8–2**	**4.5b,3.9s**	**157**	**0-146**
NIED	VII	29 07 27 00	39.10N	140.90E	20	4.0W,3.9s		¶13390360
IDC	VII	29 07 27 32.1–.75	39.13N	140.74E	0	4.2,4.2		
JMA	VII	29 07 27 32.9	39.06N	140.86E	10–1	4.3,4.2		
ISCJB	VII	29 07 27 32.6–.50	39.07N–.02	140.80E–.03	13–3	4.5b,3.9s		
NEIC	VII	29 07 27 33.0	39.06N	140.86E	10	4.7b,4.0W		
BJI	VII	29 07 27 34.6	38.84N	140.32E	9	4.8b,4.5b		
MOS	VII	29 07 27 36.6–.77	39.24N	140.49E	33	4.6b,4.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s328.00000°,δ62.00000°,λ73.00000°. NP2:ϕ_s182.00000°,δ32.00000°,λ119.00000°. $M_0$1.09000×10^{15}
IDC Error ellipse: s-maj=20.0km s-min=12.9km az=122.0.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.7km az=141.1.
NEIC Event type fe. Recorded [2 JMA] in Akita, Iwate and Miyagi. After JMA. Moment Tensor Solution. $M_0$1.10000×10^{15}
MOS Error ellipse: s-maj=10.0km s-min=6.5km az=90.6.

(227) Eastern Honshu

ISC	**VII**	**29 07 35 53.8–.52**	**39.09N–.02**	**140.69E–.02**	**6–3**	**4.7b,3.5s**	**481**	**0-146**
NIED	VII	29 07 35 00	39.10N	140.90E	5	4.4W,3.5s		¶14772277
BJI	VII	29 07 35 50.1	38.92N	140.95E	9	4.9b,4.7b		
ISCJB	VII	29 07 35 51.6–.61	39.16N–.03	140.66E–.02	1–3	4.8b,3.5s		
IDC	VII	29 07 35 52.1–.64	39.10N	140.82E	0	4.5,4.4		
NEIC	VII	29 07 35 53.1	39.06N	140.86E	10	4.8b,4.4W		
JMA	VII	29 07 35 53.0	39.06N	140.86E	10–1	4.6,4.4W		
MOS	VII	29 07 35 56.5–.83	39.25N	140.62E	33	5.0b,4.4W		
SZGRF	VII	29 07 36 06.3	40.89N	140.49E	33	4.7b,4.4W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s328.00000°,δ63.00000°,λ87.00000°. NP2:ϕ_s153.00000°,δ27.00000°,λ95.00000°. $M_0$4.41000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=158.8.
IDC Error ellipse: s-maj=17.3km s-min=11.9km az=124.0.
NEIC Event type fe. Recorded [3 JMA] in Akita and Iwate; [2 JMA] in Miyagi; [1 JMA] in Yamagata. After JMA. Moment Tensor Solution. $M_0$4.40000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s25.00000°,δ46.00000°,λ30.00000°. NP2:ϕ_s273.00000°,δ69.00000°,λ132.00000°. Principal axes: T Plg48.0000°,Azm228.0000°; N Plg39.0000°,Azm75.0000°; P Plg14.0000°,Azm334.0000°
MOS Error ellipse: s-maj=7.9km s-min=5.1km az=98.7.
SZGRF Eastern Honshu, Japan.

(221) Kuril Islands

ISC	**VII**	**29 16 19 56.0–.32**	**44.56N–.03**	**148.14E–.02**	**64–3**	**4.8b**	**659**	**1-153**
NIED	VII	29 16 19 00	44.10N	148.10E	41	4.4W		¶13390379
SZGRF	VII	29 16 19 42.5	43.55N	148.80E	33	4.8b		
DJA	VII	29 16 19 45	44.77N	149.48E	19	5.1b		
IDC	VII	29 16 19 47.1–.51	44.69N	148.21E	0	4.7,4.7		
MOS	VII	29 16 19 52.8–.81	44.49N	148.20E	55	5.0b,4.7		
JMA	VII	29 16 19 53.0–.30	44.11N	148.13E	0	4.6,4.7		
BJI	VII	29 16 19 53.0	44.51N	148.26E	61	4.9b,4.9b		
SKHL	VII	29 16 19 54.7–.60	44.51N	148.27E	61–1	5.2b,4.7s		
ISCJB	VII	29 16 19 54.1–.35	44.51N–.03	148.18E–.02	64–3	4.8b,4.7s		
NEIC	VII	29 16 19 54.8–.54	44.62N	148.16E	55–4	4.8b,4.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s353.00000°,δ83.00000°,λ65.00000°. NP2:ϕ_s249.00000°,δ26.00000°,λ164.00000°. $M_0$5.22000×10^{15}
SZGRF East of Kuril Islands, Russia.
IDC Error ellipse: s-maj=16.2km s-min=14.2km az=152.0.
MOS Error ellipse: s-maj=7.2km s-min=5.1km az=103.2.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.4km az=158.2.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.2km az=157.0. Recorded [1 JMA] in eastern Hokkaido.

(233) Near south coast of western Honshu

ISC	**VII**	**29 18 06 48.4–.59**	**34.08N–.04**	**135.46E–.05**	**61–5**	**2.9b**	**26**	**0-44**
IDC	VII	29 18 06 40.8–4.9	33.88N	135.36E	0	3.4L,3.4		¶12698485
ISCJB	VII	29 18 06 47.5–.60	34.08N–.04	135.46E–.05	67–4	2.9b,3.4		
JMA	VII	29 18 06 48.4–.10	34.06N	135.47E	63–1	3.3,3.4		

ISC Event type fe.
IDC Error ellipse: s-maj=86.3km s-min=19.0km az=153.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=6.0km az=150.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s67.00000°,δ59.00000°,λ176.00000°. NP2: ϕ_s159.00000°,δ87.00000°,λ31.00000°. Principal axes: T Plg24.0000°,Azm28.0000°; N Plg59.0000°,Azm165.0000°; P Plg19.0000°,Azm289.0000°

(43) Southern California

ISC	**VII**	**29 18 42 16.1–.11**	**33.83N–.01**	**117.87W–.01**	**16**	**5.3b,5.3s**	**1221**	**0-153**
BGS	VII	29 18 42 09.6–2.7	31.81N	115.73W	15–0	5.6s,5.2b		¶12951737
BJI	VII	29 18 42 11.6	33.97N	117.90W	3	5.7b,5.4s		
ECX	VII	29 18 42 13.0–.78	34.00N	117.82W	7–0	5.7L,5.5		
ISCJB	VII	29 18 42 14.6–.10	33.859N–.01	117.81W–.01	15	5.3b,5.3s		
NEIC	VII	29 18 42 15.7	33.95N	117.76W	15	5.5s,5.5b		
IDC	VII	29 18 42 16.0–.54	33.94N	117.82W	15–2	5.1s,5.1		
MOS	VII	29 18 42 15.0–.83	33.95N	117.85W	18	5.6b,5.4s		
SZGRF	VII	29 18 42 16.0	34.01N	118.75W	16	5.6s,5.3b		
DJA	VII	29 18 42 18	34.50N	118.29W	10	5.7b,5.3b		
GCMT	VII	29 18 42 19.5–.20	33.93N	117.84W	20	5.5W,5.3b		

ISC Event type de.
BGS Error ellipse: s-maj=915.4km s-min=999.9km az=-1.0.
ECX Error ellipse: s-maj=8.5km s-min=11.8km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=1.5km s-min=1.1km az=34.4.
NEIC Event type de. Three people injured at Brea and five people injured in the Wilshire District of Los Angeles. Minor damage to windows and brick walls at Los Angeles and Topanga. Felt [VI] at Anaheim, Artesia, Brea, Chino, Chino Hills, Covina, Diamond Bar, Fullerton, La Puente, Los Alamitos, Montclair, Pomona, Placentia, San Dimas, Walnut, West Covina, Whittier and Yorba Linda; [V] at Alhambra, Azusa, Baldwin Park, Bell, Bellflower, Buena Park, Canoga Park, Cerritos, Claremont, Corona, Cypress, Downey, El Monte, Garden Grove, Glendora, Hacienda Heights, Hawaiian Gardens, La Habra, Lakewood, La Mirada, La Palma, La Verne, Lynwood, Maywood, Mira Loma, Montrose, Mount Baldy, North Hollywood, Northridge, Norwalk, Ontario, Panorama City, Paramount, Pico Rivera, Rancho Cucamonga, Reseda, Rosemead, Rowland Heights, San Gabriel, Santa Fe Springs, Seal Beach, South El Monte, South Gate, South Pasadena, Stanton, Upland, Villa Park, Winnetka and Woodland Hills. Felt [IV] in much of the surrounding Los Angeles basin and in much of southern California. Felt [III] at Las Vegas and [II] at North Las Vegas and Pahrump, Nevada. Also felt at Henderson. Felt at Bullhead City, Flagstaff, Kingman, Mesa, Phoenix and Yuma, Arizona. Also felt at Tijuana, Baja California. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After PAS. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s295.00000°,δ67.00000°,λ110.00000°. NP2: ϕ_s72.00000°,δ30.00000°,λ51.00000°. Principal axes: T Plg63.0000°,Azm237.0000°; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm10.0000° Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s286.00000°,δ72.00000°,λ137.00000°. NP2:ϕ_s32.00000°,δ50.00000°,λ24.00000°. Principal axes: T 1.4000,Plg42.0000°,Azm240.0000°; N -0.1700,Plg44.0000°,Azm87.0000°; P -1.2200,Plg13.0000°,Azm343.0000° $M_0$1.30000×10^{17} Moment Tensor Solution. $M_0$1.50000×10^{17} Moment Tensor Solution. $M_0$1.30000×10^{17}
IDC Error ellipse: s-maj=15.2km s-min=8.3km az=52.0.
MOS Error ellipse: s-maj=5.1km s-min=3.3km az=73.3.
SZGRF Southern California, United States.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 94, comp=193, per= 50. Moment Tensor Solution. s73,c137; s18,c22; Moment tensor: Scale 10^{17}Nm; M_{rr}0.92±.03 $M_{\theta\theta}$-1.87±.03; $M_{\phi\phi}$0.95±.03; $M_{r\theta}$-0.49±.05; $M_{\theta\phi}$-0.51±.02; $M_{\phi r}$0.84±.05; Best double couple: NP1:ϕ_s44.00000°,δ55.00000°,λ29.00000°. NP2:ϕ_s296.00000°,δ67.00000°,λ141.00000°. Principal axes: T 1.9100,Plg43.0000°,Azm255.0000°; N 0.1000,Plg46.0000°,Azm90.0000°; P -2.0000,Plg7.0000°,Azm352.0000° $M_0$2.00000×10^{17}

(314) Southern India

ISC	**VII**	**29 19 10 56.6–.68**	**17.58N–.04**	**74.12E–.04**	**18–5**	**4.1b**	**80**	**0-133**
IDC	VII	29 19 10 50.3–1.8	17.17N	73.49E	0	3.9,3.8b		¶11153942
NDI	VII	29 19 10 53.2–2.3	17.38N	73.75E	8–9	4.5b,4.3L		
ISCJB	VII	29 19 10 55.7–.62	17.57N–.04	74.16E–.04	29–5	4.1b,4.3L		
BJI	VII	29 19 10 59.4	17.58N	73.74E	62	5.0b,4.2b		
NEIC	VII	29 19 10 59.6–.91	17.64N	74.17E	45	4.5b,4.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=43.2km s-min=21.5km az=46.0.
NDI Error ellipse: s-maj=10.7km s-min=9.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=6.1km az=175.0.
NEIC Event type fe. Error ellipse: s-maj=17.4km s-min=14.0km az=146.0. Felt [IV] at Pune and [III] at Mumbai. Felt at Kolhapur and in much of western Maharashtra.

(227) Eastern Honshu

ISC	**VII**	**29 23 15 53.3–.45**	**39.05N–.02**	**140.88E–.04**	**9–3**	**3.7b**	**40**	**0-74**
NIED	VII	29 23 15 00	39.10N	140.90E	5	3.6W		¶11747204
ISCJB	VII	29 23 15 52.8–.44	39.06N–.03	140.87E–.04	19–4	3.7b		
IDC	VII	29 23 15 52.2–.98	39.11N	140.79E	0	3.7,3.6b		
JMA	VII	29 23 15 53.2	39.05N	140.87E	9–1	3.5,3.6b		
NEIC	VII	29 23 15 55.2–2.3	39.10N	140.81E	21–16	4.1b,3.6b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s117.00000°,δ61.00000°,λ141.00000°. NP2:ϕ_s228.00000°,δ56.00000°,λ35.00000°. $M_0$2.52000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.3km az=18.0.
IDC Error ellipse: s-maj=27.1km s-min=13.7km az=120.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s65.00000°,δ36.00000°,λ55.00000°. NP2:ϕ_s285.00000°,δ61.00000°,λ113.00000°. Principal axes: T Plg66.0000°,Azm237.0000°; N Plg20.0000°,Azm94.0000°; P Plg13.0000°,Azm359.0000°
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.0km az=103.0.

(227) Eastern Honshu

ISC	**VII**	**30 01 15 01.7–.42**	**38.83N–.03**	**140.84E–.04**	**9–4**	**3.7b**	**39**	**0-79**
NIED	VII	30 01 15 00	38.80N	140.80E	5	3.5W		¶13390400
ISCJB	VII	30 01 15 01.7–.41	38.83N–.03	140.85E–.04	20–4	3.7b		
JMA	VII	30 01 15 02.0	38.83N	140.83E	5–1	3.6		
IDC	VII	30 01 15 02.4–2.2	39.35N	140.86E	0	3.7,3.6b		
NEIC	VII	30 01 15 02.0	38.83N	140.83E	5	4.2b,3.6b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ70.00000°,λ55.00000°. NP2:ϕ_s275.00000°,δ39.00000°,λ148.00000°. $M_0$1.78000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.4km az=35.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s266.00000°,δ41.00000°,λ142.00000°. NP2:ϕ_s27.00000°,δ66.00000°,λ55.00000°. Principal axes: T Plg55.0000°,Azm252.0000°; N Plg31.0000°,Azm42.0000°; P Plg14.0000°,Azm141.0000°
IDC Error ellipse: s-maj=50.1km s-min=27.4km az=141.0.
NEIC Event type se. After JMA.

(92) Leeward Islands
ISC VII 30 09 50 45.7–.00 16.60N–.04 61.12W–.07 22–5 62 0-5
ISCJB VII 30 09 50 44.9–.95 16.64N–.04 61.08W–.07 27–4 ¶12951764
TRN VII 30 09 50 45.5 16.51N 61.20W 26 3.7,3.6
NEIC VII 30 09 50 46.7 16.52N 61.19W 35 3.7,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=4.1km az=155.5.
TRN Event type fe. Felt II, III, Guadeloupe.
NEIC Event type se. After TRN.

(66) Near coast of Oaxaca
ISC VII 30 10 23 35.2–.19 16.30N–.03 95.71W–.02 43 5.2b,4.7s 1000 1-153
ISCJB VII 30 10 23 33.3–.19 16.31N–.03 95.75W–.02 41 5.2b,4.7s ¶11153972
SZGRF VII 30 10 23 33.4 16.02N 95.72W 33 5.2b,4.8s
MEX VII 30 10 23 33.8–.48 15.97N 96.10W 49–5 5.1,4.8s
IDC VII 30 10 23 33.5–.46 16.16N 95.86W 39–3 4.8,4.8
NEIC VII 30 10 23 33.9 15.98N 96.10W 50 5.3b,4.7s
MOS VII 30 10 23 33.9–.90 16.34N 95.78W 48 5.5b,4.6s
GCMT VII 30 10 23 35.0–.20 16.30N 96.04W 36–0 5.3W,4.6s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=1.9km az=28.8.
SZGRF Oaxaca, Mexico.
MEX Error ellipse: s-maj=4.5km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=15.2km s-min=10.5km az=79.0.
NEIC Event type fe. Felt at Huatulco and Oaxaca. After MEX.
MOS Error ellipse: s-maj=6.5km s-min=3.9km az=88.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s84,c135; s83,c147; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s347.00000°,δ39.00000°,λ-42.00000°. NP2:ϕ_s112.00000° ,δ65.00000°,λ-121.00000°. Principal axes: T 1.1800,Plg15.0000°,Azm224.0000° ; N -0.1400,Plg28.0000°,Azm126.0000°; P -1.0400,Plg58.0000°,Azm339.0000° $M_0$1.10000×10^{17}

(34) Off coast of northern California
ISC VII 30 13 39 33.9–.59 40.38N–.05 125.27W–.06 10 4.2b,3.5s 57 2-98
BJI VII 30 13 39 31.8 40.50N 125.20W 5 5.2b,5.2b ¶11153985
ISCJB VII 30 13 39 32.6–.58 40.41N–.04 125.20W–.06 10 4.2b,3.5s
NEIC VII 30 13 39 33.0 40.46N 125.20W 2 4.3W,4.2b
IDC VII 30 13 39 34.5–3.1 40.58N 125.07W 0 3.9,3.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=6.1km az=145.7.
NEIC Event type fe. Felt at Eureka. After NCEDC. Moment Tensor Solution. $M_0$3.00000×10^{15}
IDC Error ellipse: s-maj=69.1km s-min=18.3km az=42.0.

(162) South Island
WEL VII 30 20 05 27.0–.22 41.22S 173.86E 63–3 3.7L
NEIC VII 30 20 05 27.1 41.22S 173.86E 63 3.7L ¶11207867
WEL Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=0.0. Felt in the Marlborough region, maximum reported intensity MM 4.
NEIC Event type se. After WEL.

(37) Nevada
ISC VII 30 21 32 09.0–.32 39.39N–.01 116.80W–.02 3–2 175 0-6
ISCJB VII 30 21 32 09.4–.23 39.40N–.01 116.72W–.02 10 ¶11812964
NEIC VII 30 21 32 09.0 39.36N 116.83W 10 3.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=11.4.
NEIC Event type fe. Felt at Austin. After REN.

(122) Near coast of northern Chile
GUC VII 31 00 03 36.6–.96 19.54S 70.06W 27–3 4.2L
NEIC VII 31 00 03 36.6 19.54S 70.06W 27 4.2L,3.9b ¶12951791
GUC Error ellipse: s-maj=2.8km s-min=5.5km az=-1.0.
NEIC Event type fe. Felt [III] at Pisagua and [II] at Alto Hospicio, Iquique and Pozo Almonte. After GUC.

(29) Washington
ISC VII 31 05 02 43.0–.17 48.16N–.01 122.73W–.02 57–3 3.7b 251 0-68
IDC VII 31 05 02 37.8–.74 48.27N 122.31W 0 3.8,3.7b ¶11154021
ISCJB VII 31 05 02 41.5–.18 48.17N–.01 122.70W–.02 74–3 3.6b,3.7b
PGC VII 31 05 02 42.1–.03 48.12N 122.81W 66–0 3.4L,3.7b
PNSN VII 31 05 02 43.1 48.15N 122.75W 56 3.6,3.7b
NEIC VII 31 05 02 43.1 48.15N 122.75W 56 4.0b,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=22.4km s-min=9.5km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=137.8.
PGC Event type fe. 53km Ese of Victoria, Bc Washington Felt (I) at Victoria.
PNSN Moment Tensor Solution. NP1:ϕ_s105.00000°,δ35.00000° NP2:ϕ_s350.00000°,δ73.00000° Principal axes: T Plg22.0000°,Azm56.0000°; P Plg51.0000°,Azm296.0000°
NEIC Event type fe. Felt [IV] at Monroe; [III] at Arlington, Bellingham, Coupeville, Everett, Friday Harbor, Hansville, Mount Vernon, Mukilteo, Oak Harbor, Port Angeles, Port Ludlow, Port Townsend, Quilcene, Seattle, Sequim, Snohomish and Sultan; [II] at Camano Island, Kingston, Marysville, Poulsbo and Stanwood. Also felt at Auburn, Bellevue, Bothell, Bremerton, Carnation, Chimacum, Clinton, Concrete, Eastsound, Edmonds, Federal Way, Gold Bar, Granite Falls, Greenbank, Indianola, Kenmore, Lake Stevens, Langley, Morton, Nordland, North Bend, Olga, Olympia, Port Hadlock, Port Orchard, Redmond and Tacoma. Felt at Portland, Oregon. Felt [III] at Victoria, British Columbia. After SEA.

(228) Near east coast of eastern Honshu
ISC VII 31 05 31 52.4–1.3 39.20N–.04 142.40E–.07 19–6 3.6b 27 1-50
NIED VII 31 05 31 00 39.20N 142.40E 26 3.7W ¶11747223
ISCJB VII 31 05 31 52.1–1.3 39.15N–.04 142.40E–.09 26–6 3.6b
JMA VII 31 05 31 52.7–.10 39.17N 142.38E 31–1 3.8
NEIC VII 31 05 31 52.8 39.17N 142.38E 31 3.8
IDC VII 31 05 31 58.5–2.8 39.30N 142.06E 63–30 3.6L,3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s347.00000°,δ82.00000°,λ44.00000°. NP2:ϕ_s249.00000°,δ47.00000°,λ169.00000°. $M_0$3.86000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=5.7km az=16.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Recorded [1 JMA] in Iwate. After JMA.
IDC Error ellipse: s-maj=43.9km s-min=19.2km az=134.0.

(383) Northwestern Balkan Peninsula
ISC VII 31 05 44 39.6–.27 45.93N–.01 16.01E–.02 10–2 229 0-6
ISCJB VII 31 05 44 38.4–.30 45.92N–.02 16.03E–.02 8–2 ¶11342384
LJU VII 31 05 44 38.9 45.92N 15.98E 19 2.9L
CSEM VII 31 05 44 39.5–.12 45.92N 15.98E 8 3.6L
PRU VII 31 05 44 40.4 45.99N 16.03E 10 3.6L
VIE VII 31 05 44 40.4–.36 45.94N 15.88E 9–1 3.1L,2.7b
NEIC VII 31 05 44 41.1–.60 45.96N 15.84E 11–5 2.9L,2.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.3km az=16.6.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=13.0.
VIE Error ellipse: s-maj=2.3km s-min=1.2km az=129.0. 19 km NNW of Zagreb .
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=4.8km az=153.0. Felt at Velika Gorica.

(76) Off coast of central America
ISC VII 31 06 31 49.4–.19 12.74N–.03 88.20W–.03 57 5.1b,4.2s 639 1-157
IDC VII 31 06 31 47.4–.69 12.94N 87.75W 46–5 4.6,4.4 ¶11154023
ISCJB VII 31 06 31 47.5–.20 12.72N–.03 88.27W–.02 55 5.1b,4.2s
CASC VII 31 06 31 47.9–2.4 12.69N 88.31W 58–39 5.1b,4.8L
BJI VII 31 06 31 48.0 12.70N 88.20W 50 5.1b,5.0s
NEIC VII 31 06 31 49.0–.26 12.69N 88.20W 59 5.6,5.1b
GCMT VII 31 06 31 50.5–.40 12.60N 88.56W 48–1 4.9W,5.1b
MOS VII 31 06 31 50.2–1.1 12.77N 88.14W 84 5.0b,5.1b
ISC Event type fe.
IDC Error ellipse: s-maj=25.2km s-min=12.3km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.1km az=32.1.
CASC Error ellipse: s-maj=14.0km s-min=7.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=213.0. Felt [V] at San Salvador. Also felt at Antiguo Cuscatlan.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s37,c52; s40,c57; Moment tensor: Scale 10^{16}Nm; M_{rr}2.66±.17 $M_{\theta\theta}$-2.51±.12; $M_{\phi\phi}$-0.16±.14; $M_{r\theta}$0.94±.11; $M_{\theta\phi}$1.66±.10; $M_{\phi r}$-0.45±.13; Best double couple: NP1:ϕ_s298.00000°,δ36.00000°,λ91.00000°. NP2:ϕ_s117.00000°,δ54.00000°,λ89.00000°. Principal axes: T 2.8300,Plg80.0000° ,Azm22.0000°; N 0.7000,Plg1.0000°,Azm117.0000°; P -3.5400,Plg9.0000°,Azm207.0000° $M_0$3.20000×10^{16}
MOS Error ellipse: s-maj=13.1km s-min=5.1km az=110.2.

(173) Tonga Islands
ISC VII 31 08 28 14.8–.41 21.0S–.10 175.4W–.20 35 4.5b 28 8-172
IDC VII 31 08 28 09.1–.57 21.09S 175.34W 0 4.5,4.4 ¶11342385
NEIC VII 31 08 28 10.7–.24 20.98S 175.45W 10 4.7b,4.4
ISCJB VII 31 08 28 13.2–.39 20.95S–.09 175.5W–.20 33 4.5b,4.4
ISC Event type fe.
NEIC Event type fe. Felt at Nuku'alofa.
ISCJB Event type fe.

(244) Taiwan
ISC VII 31 21 01 54.6–.33 23.69N–.01 121.70E–.02 12–2 3.8b,3.2s 169 0-83
NIED VII 31 21 01 00 23.70N 121.50E 5 4.2W,3.2s ¶11747232
ISCJB VII 31 21 01 53.8–.40 23.67N–.01 121.74E–.02 9–2 3.8b,3.2s
JMA VII 31 21 01 53.9–.50 23.67N 121.50E 74 3.6,3.2s
TAP VII 31 21 01 54.9 23.73N 121.61E 9–0 4.3L,3.2s
NEIC VII 31 21 01 55.1 23.73N 121.56E 17 4.7L,4.0b
IDC VII 31 21 02 00.9–5.5 23.71N 121.74E 64–52 3.9L,3.6
BJI VII 31 21 02 03.2 24.15N 121.11E 17 4.4b,4.2s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ74.00000°,λ74.00000°. NP2:ϕ_s271.00000°,δ22.00000°,λ134.00000°. $M_0$2.21000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=31.8.
JMA Error ellipse: s-maj=5.6km s-min=4.1km az=-1.0.
TAP B.
NEIC Event type fe. Recorded [4 TAP] in Hua-lien and [1 TAP] in T'ai-tung. After TAP.
IDC Error ellipse: s-maj=23.3km s-min=22.8km az=20.0.

(385) Strait of Gibraltar
ISC VIII 01 07 21 38.9–.26 36.95N–.02 5.58W–.01 13–2 3.2b 444 0-74
IDC VIII 01 07 21 36.4–1.4 36.85N 5.57W 0 3.5,3.3L ¶11158515
ISCJB VIII 01 07 21 37.6–.27 36.99N–.02 5.59W–.01 10–2 3.2b,3.3L
LDG VIII 01 07 21 38.9–.18 36.91N 5.65W 2–0 3.4L,3.3L
CSEM VIII 01 07 21 38.6–.09 36.94N 5.59W 10 3.7L,3.3L
SFS VIII 01 07 21 39.0 36.86N 5.57W 15 1.8L,3.3L
NEIC VIII 01 07 21 39.7 36.92N 5.60W 4 3.2,3.3L
INMG VIII 01 07 21 39.6–1.2 36.93N 5.60W 6–2 3.0L,3.3L
IGIL VIII 01 07 21 39.7 36.90N 5.62W 11 3.0L,3.3L
MDD VIII 01 07 21 39.8–.17 36.90N 5.59W 11–0 3.1,3.3L
CNRM VIII 01 07 21 47.0 36.59N 5.24W 32 3.6,3.3L
ISC Event type fe.
IDC Error ellipse: s-maj=26.7km s-min=14.8km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=14.3.
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=3.2km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=13.0.
SFS Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=179.0.
MDD Event type fe. Error ellipse: s-maj=2.4km s-min=1.5km az=179.0. EMS: III PUERTO SERRANO. PRIMO.
CNRM Event type ke.

(307) Sichuan
ISC VIII 01 08 32 43.8–.51 32.08N–.01 104.73E–.01 10–3 5.8b,5.8s 1518 1-175
ISCJB VIII 01 08 32 40.5–.50 32.06N–.01 104.68E–.01 1–3 5.9b,5.8s ¶11154064
BJI VIII 01 08 32 41.6 32.02N 104.85E 14 6.2s,6.1b
IDC VIII 01 08 32 41.2–.37 32.06N 104.79E 0 5.6,5.5b
SZGRF VIII 01 08 32 43.7 31.90N 104.52E 33 6.6s,6.2b
NEIC VIII 01 08 32 43.6–.08 32.03N 104.72E 11 6.1,5.9b
IGIL VIII 01 08 32 43.9 32.04N 104.74E 10 6.0s,5.9b
MOS VIII 01 08 32 43.6–.87 31.93N 104.85E 33 6.1b,6.0s
DJA VIII 01 08 32 46 31.99N 104.61E 25 6.6W,6.0s
GCMT VIII 01 08 32 47.8–.10 32.04N 104.72E 21–0 5.7W,6.0s
BGS VIII 01 08 32 55.3–1.4 32.78N 101.69E 10–0 6.1s,5.5b
ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=2.0km az=22.8.
IDC Error ellipse: s-maj=13.0km s-min=9.7km az=48.0.
SZGRF Sichuan, China.
NEIC Event type de. Error ellipse: s-maj=2.5km s-min=1.8km az=204.0. At least 231 people injured, 540 houses destroyed and 2,450 houses damaged in Beichuan and Pingwu. Several landslides and rockfalls blocked roads in Pingwu. Cellular phone service interrupted in Beichuan. Felt [V] at Mianyang; [III] at Chengdu and Chongqing; [II] at Xi'an. Also felt at Ankang, Baoji, Daxian, Deyang, Fuling, Guangyuan, Hanzhong, Jiangyou, Lanzhou, Leshan, Luzhou, Nanchong, Nanlong, Tianshui, Ya'an, Yanliang and Yibin. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s225.00000°,δ75.00000° ,λ90.00000°. NP2:ϕ_s45.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000° ,Azm135.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm315.0000° Moment Tensor Solution. s70 Moment tensor: Scale 10^{17}Nm; M_{rr}3.15 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-3.20 $M_{r\theta}$-3.13 $M_{\theta\phi}$-0.64 $M_{\phi r}$-1.98 Best double couple: NP1:ϕ_s352.00000°,δ29.00000°,λ44.00000°. NP2:ϕ_s221.00000° ,δ70.00000°,λ112.00000°. Principal axes: T 5.3100,Plg58.0000°,Azm161.0000° ; N -0.9200,Plg20.0000°,Azm33.0000°; P -4.4000,Plg22.0000°,Azm294.0000° $M_0$4.90000×10^{17}
MOS Error ellipse: s-maj=7.5km s-min=5.4km az=96.1.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 94, comp=189, per= 50. Moment Tensor Solution. s86,c161; s37,c39; Moment tensor: Scale 10^{17}Nm; M_{rr}2.71±.05 $M_{\theta\theta}$0.44±.04; $M_{\phi\phi}$-3.15±.04; $M_{r\theta}$-1.76±.08; $M_{\theta\phi}$-1.03±.03; $M_{\phi r}$-2.04±.09; Best double couple: NP1:ϕ_s354.00000°,δ29.00000°,λ54.00000°. NP2:ϕ_s213.00000°,δ67.00000°,λ108.00000°. Principal axes: T 3.9400,Plg64.0000°,Azm153.0000°; N 0.3600,Plg16.0000°,Azm26.0000° ; P -4.3000,Plg20.0000°,Azm290.0000° $M_0$4.10000×10^{17}
BGS Error ellipse: s-maj=271.9km s-min=402.7km az=-1.0.

(250) Mindoro
ISC VIII 01 10 35 24.8–.10 13.65N–.01 120.76E–.02 135 5.3b 671 0-171
SZGRF VIII 01 10 35 19.6 13.58N 122.24E 132 5.6b ¶11154066
BJI VIII 01 10 35 20.9 13.36N 121.03E 140 5.2b,5.1b
MOS VIII 01 10 35 23.0–.97 13.63N 120.77E 134 5.3b,4.5s
ISCJB VIII 01 10 35 23.4–.10 13.66N–.01 120.75E–.02 133 5.3b,4.5s
IDC VIII 01 10 35 23.6–.34 13.55N 120.86E 133–2 4.9,4.9
NEIC VIII 01 10 35 24.3–.12 13.52N 120.76E 135 5.6W,5.5W
MAN VIII 01 10 35 24 13.60N 120.65E 117 5.7b,5.3s
GCMT VIII 01 10 35 24.8–.10 13.56N 120.77E 136–0 5.6W,5.3s
DJA VIII 01 10 35 29 13.60N 120.85E 182 5.6W,5.3s
ISC Event type fe.
SZGRF Luzon, Philippine Islands.
MOS Error ellipse: s-maj=8.0km s-min=4.4km az=119.6.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=167.3.
IDC Error ellipse: s-maj=9.7km s-min=7.8km az=72.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.5km az=71.0. Felt [V] at Bacolod, Negros and [IV] at Iloilo, Panay. Felt [III PIVS] at Manila and San Fernando, Luzon. Also felt at Angeles and Batangas. Felt [II PIVS] at Puerto Galera, Mindoro. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}3.04 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-2.75 $M_{r\theta}$-0.39 $M_{\theta\phi}$1.36 $M_{\phi r}$-0.07 Best double couple: NP1:ϕ_s328.00000°,δ46.00000°,λ79.00000°. NP2:ϕ_s164.00000° ,δ45.00000°,λ101.00000°. Principal axes: T 3.1000,Plg82.0000°,Azm162.0000° ; N 0.2600,Plg7.0000°,Azm335.0000°; P -3.3600,Plg0.0000°,Azm65.0000° $M_0$3.20000×10^{17}
MAN Event type fe. INTENSITY III - MANILA CITY; SAN FERNANDO PAMPANGA; INTENSITY II - PUERTO GALERA.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=209, per= 50. Moment Tensor Solution. s98,c166; s27,c29; Moment tensor: Scale 10^{17}Nm; M_{rr}2.52±.03 $M_{\theta\theta}$-1.23±.04; $M_{\phi\phi}$-1.29±.05; $M_{r\theta}$-0.46±.03; $M_{\theta\phi}$1.45±.03; $M_{\phi r}$-0.60±.03; Best double couple: NP1:ϕ_s300.00000°,δ46.00000°,λ67.00000°. NP2:ϕ_s151.00000°,δ48.00000°,λ112.00000°. Principal axes: T 2.7400,Plg74.0000°,Azm132.0000°; N -0.0300,Plg16.0000°,Azm316.0000° ; P -2.7100,Plg1.0000°,Azm226.0000° $M_0$2.70000×10^{17}

(227) Eastern Honshu
ISC VIII 01 12 02 41.5–.69 36.04N–.04 139.86E–.06 41–15 21 0-2
NIED VIII 01 12 02 00 36.10N 139.80E 53 3.5W ¶11747239
ISCJB VIII 01 12 02 41.0–.76 36.04N–.04 139.87E–.06 46–12 3.5W
JMA VIII 01 12 02 41.3–.10 36.08N 139.85E 46–1 3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ84.00000°,λ107.00000°. NP2:ϕ_s174.00000°,δ18.00000°,λ19.00000°. $M_0$1.91000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.4km az=21.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s218.00000°,δ18.00000°,λ85.00000°. NP2: ϕ_s43.00000°,δ72.00000°,λ92.00000°. Principal axes: T Plg63.0000°,Azm316.0000° ; N Plg2.0000°,Azm223.0000°; P Plg27.0000°,Azm132.0000°

(460) Wyoming

ISC	**VIII**	**01 18 06 17.9–.37**	**43.84N–.03**	**105.28W–.04**	**0**		**72**	**1-61**	
ISCJB	VIII	01 18 06 15.9–.39	43.83N–.03	105.25W–.05	0				**¶11907676**
NEIC	VIII	01 18 06 17.8–.38	43.84N	105.27W	0	3.4L			
IDC	VIII	01 18 06 18.9–1.1	44.10N	105.66W	0	4.2b,3.9			
ISC	Event type fm.								
ISCJB	Event type fm. Error ellipse: s-maj=5.0km s-min=4.5km az=23.7.								
NEIC	Event type fm. Error ellipse: s-maj=5.3km s-min=4.6km az=132.0. 50 km [30 miles] SSE of Gillette. Suspected Mining explosion.								
IDC	Error ellipse: s-maj=24.4km s-min=12.1km az=138.0.								
	(255) Cebu								
ISC	**VIII**	**01 18 14 11.0–.76**	**10.91N–.03**	**123.18E–.04**	**12–5**	**4.3b,3.8s**	**65**	**1-84**	
IDC	VIII	01 18 14 09.4–.83	10.74N	122.90E	0	4.4L,4.2			**¶11907677**
MAN	VIII	01 18 14 10	10.87N	123.09E	7	5.4b,4.6s			
ISCJB	VIII	01 18 14 11.2–.69	10.91N–.03	123.12E–.04	26–6	4.3b,3.8s			
NEIC	VIII	01 18 14 11.2–5.2	10.82N	122.98E	14–33	4.6b,3.8s			
DJA	VIII	01 18 14 39	9.50N	122.13E	39	4.7b,3.8s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=34.8km s-min=14.7km az=66.0.								
MAN	Event type fe. INTENSITY VI - SILAY CITY CADIZ CITY SAGAY CITY (NEGROS OCCIDENTAL); INTENSITY IV - BACOLOD CITY ILOILO CITY GUIMARAS ISLAND; INTENSITY III - MAMBUCAL NEGROS OCCIDENTAL; ROXAS CITY.								
ISCJB	Event type fe. Error ellipse: s-maj=7.5km s-min=4.0km az=155.3.								
NEIC	Event type fe. Error ellipse: s-maj=24.5km s-min=8.0km az=58.0. Felt [VI PIVS] at Cadiz, Sagay City and Silay; [IV PIVS] at Bacolod; [III PIVS] at Mambucal, Negros. Felt [IV PIVS] at Iloilo and [III PIVS] at Roxas City, Panay. Also felt [IV PIVS] on Guimaras Island.								
	(244) Taiwan								
ISC	**VIII**	**01 18 55 49.4–.19**	**24.04N–.01**	**121.59E–.01**	**25–1**	**4.8b,4.2s**	**387**	**0-149**	
NIED	VIII	01 18 55 00	24.00N	121.50E	29	4.5W,4.2s			**¶11154078**
IDC	VIII	01 18 55 44.9–.53	24.08N	121.77E	0	4.6,4.5			
BJI	VIII	01 18 55 47.6	24.20N	121.54E	11	4.8b,4.7L			
NEIC	VIII	01 18 55 47.2–.65	23.99N	121.70E	18–3	5.4L,4.9b			
MOS	VIII	01 18 55 47.9–1.0	24.03N	121.73E	33	5.0b,4.3s			
ISCJB	VIII	01 18 55 48.9–.23	24.04N–.01	121.61E–.01	32–1	4.8b,4.2s			
JMA	VIII	01 18 55 48.8–.20	23.99N	121.48E	63	4.7,4.2s			
TAP	VIII	01 18 55 49.3	24.05N	121.53E	21–0	5.1L,4.2s			
DJA	VIII	01 18 56 23	22.69N	121.56E	147	4.5b,4.2s			
ISC	Event type fe.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ79.00000°,λ33.00000°. NP2:ϕ_s68.00000°,δ57.00000°,λ167.00000°. $M_0$6.29000×10^{15}								
IDC	Error ellipse: s-maj=17.9km s-min=13.4km az=54.0.								
NEIC	Event type fe. Error ellipse: s-maj=5.4km s-min=4.2km az=106.0. Felt at Pan-ch'iao. Recorded [5 TAP] in Hua-lien; [4 TAP] in I-lan and Nan-t'ou; [2 TAP] in Chang-hua, Hsin-chu and Yun-lin; [1 TAP] in T'ai-pei, T'ai-tung and T'ao-yuan.								
MOS	Error ellipse: s-maj=9.3km s-min=5.4km az=116.1.								
ISCJB	Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=41.0.								
JMA	Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.								
TAP	B.								
	(228) Near east coast of eastern Honshu								
ISC	**VIII**	**01 19 47 20.2–.66**	**35.10N–.04**	**140.11E–.04**	**41–7**		**26**	**0-2**	
NIED	VIII	01 19 47 00	35.10N	140.10E	20	3.6W			**¶11747245**
ISCJB	VIII	01 19 47 19.8–.72	35.11N–.04	140.11E–.04	44–7	3.6W			
JMA	VIII	01 19 47 20.2–.20	35.15N	140.13E	35–2	3.9			
ISC	Event type fe.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ82.00000°,λ8.00000°. NP2:ϕ_s31.00000°,δ82.00000°,λ172.00000°. $M_0$3.26000×10^{14}								
ISCJB	Event type fe. Error ellipse: s-maj=7.7km s-min=5.0km az=27.4.								
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s31.00000°,δ74.00000°,λ173.00000°. NP2: ϕ_s123.00000°,δ84.00000°,λ16.00000°. Principal axes: T Plg16.0000°,Azm348.0000° ; N Plg72.0000°,Azm143.0000°; P Plg7.0000°,Azm256.0000°								
	(238) Ryukyu Islands								
ISC	**VIII**	**02 04 03 25.4–.12**	**29.29N–.02**	**130.38E–.02**	**37**	**5.2b,4.9s**	**775**	**1-140**	
NIED	VIII	02 04 03 00	29.30N	130.40E	35	5.2W,4.9s			**¶13390670**
SZGRF	VIII	02 04 03 18.4	29.40N	132.81E	32	5.4b,5.2s			
BGS	VIII	02 04 03 19.2–1.7	28.28N	130.44E	33–0	5.1b,5.0s			
IDC	VIII	02 04 03 21.3–2.7	29.38N	130.30E	9–16	5.0,5.0			
BJI	VIII	02 04 03 22.6	29.07N	130.70E	50	5.1b,5.0b			
ISCJB	VIII	02 04 03 23.6–.12	29.27N–.02	130.37E–.02	35	5.2b,4.9s			
MOS	VIII	02 04 03 24.6–.85	29.55N	130.21E	33	5.3b,5.2s			
JMA	VIII	02 04 03 25.2	29.30N	130.36E	63–2	5.1,5.2s			
NEIC	VIII	02 04 03 27.7–.62	29.36N	130.28E	55–5	5.2W,5.1b			
GCMT	VIII	02 04 03 27.9–.20	29.18N	130.67E	41–0	5.1W,5.1b			
DJA	VIII	02 04 03 28	29.59N	130.46E	65	5.1b,5.1b			
ISC	Event type fe.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ87.00000°,λ77.00000°. NP2:ϕ_s290.00000°,δ13.00000°,λ169.00000°. $M_0$7.37000×10^{16}								
SZGRF	Southeast of Shikoku, Japan.								
BGS	Error ellipse: s-maj=417.8km s-min=796.5km az=-1.0.								
IDC	Error ellipse: s-maj=16.2km s-min=12.4km az=67.0.								
ISCJB	Event type fe. Error ellipse: s-maj=2.8km s-min=2.1km az=146.2.								
MOS	Error ellipse: s-maj=7.7km s-min=4.3km az=115.5.								
JMA	Event type fe.								
NEIC	Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=160.0. Recorded [2 JMA] in the Tokara-retto and [1 JMA] on Amami-oshima and Yaku-shima. Moment Tensor Solution. $M_0$7.40000×10^{16}								
GCMT	Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s50,c80; s70,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}4.43±.19 $M_{\theta\theta}$-1.97±.13; $M_{\phi\phi}$-2.46±.15; $M_{r\theta}$2.11±.10; $M_{\theta\phi}$-2.19±.08; $M_{\phi r}$1.44±.10; Best double couple: NP1:ϕ_s215.00000°,δ31.00000°,λ78.00000°. NP2:ϕ_s49.00000°,δ60.00000°,λ97.00000°. Principal axes: T 5.1500,Plg74.0000° ,Azm336.0000°; N -0.0800,Plg6.0000°,Azm225.0000°; P -5.0700,Plg15.0000° ,Azm134.0000° $M_0$5.10000×10^{16}								
	(163) Cook Strait								
WEL	**VIII**	**02 07 48 19.9–.10**	**40.06S**	**174.97E**	**12**	**3.6L**			**¶11325618**
WEL	Event type fe. Error ellipse: s-maj=1.4km s-min=0.6km az=90.0. Felt in the Wanganui region, maximum reported intensity MM 4.								
	(358) Romania								
ISC	**VIII**	**02 09 03 58.7–.25**	**44.57N–.02**	**26.22E–.03**	**10**		**150**	**0-6**	
ISCJB	VIII	02 09 03 57.9–.26	44.55N–.02	26.18E–.03	10				**¶12099595**
SOF	VIII	02 09 03 57.2	44.61N	26.30E	10	3.1			
THE	VIII	02 09 03 57.5	44.74N	26.28E	21–5	3.5L			
CSEM	VIII	02 09 03 59.9–.16	44.59N	26.22E	24–1	3.5			
NEIC	VIII	02 09 04 00.4	44.60N	26.25E	28	3.4L			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=138.3.								
THE	Event type ke. Error ellipse: s-maj=7.3km s-min=1.2km az=33.0.								
CSEM	Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=127.0.								
NEIC	Event type fe. Felt at Bucharest. After BUC.								
	(228) Near east coast of eastern Honshu								
ISC	**VIII**	**02 15 50 34.6–.76**	**35.29N–.04**	**141.03E–.06**	**28–4**	**4.1b**	**47**	**0-148**	
NIED	VIII	02 15 50 00	35.30N	141.20E	23	4.2W			**¶11652764**
IDC	VIII	02 15 50 30.6–.98	35.30N	141.01E	0	4.1,3.9			
JMA	VIII	02 15 50 32.7–.10	35.33N	141.18E	37–2	4.4,3.9			
ISCJB	VIII	02 15 50 34.2–.79	35.31N–.04	141.05E–.07	38–6	4.1b,3.9			
BJI	VIII	02 15 50 34.2	35.31N	140.62E	19	4.6b,4.3b			
NEIC	VIII	02 15 50 37.1–2.4	35.33N	140.92E	47–17	4.6b,4.2W			
ISC	Event type fe.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ68.00000°,λ-54.00000°. NP2:ϕ_s329.00000°,δ42.00000°,λ-145.00000°. $M_0$2.64000×10^{15}								
IDC	Error ellipse: s-maj=27.0km s-min=18.7km az=164.0.								
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.								
ISCJB	Event type fe. Error ellipse: s-maj=10.4km s-min=6.9km az=18.3.								
NEIC	Event type fe. Error ellipse: s-maj=24.0km s-min=12.0km az=167.0. Recorded [1 JMA] in Chiba. Moment Tensor Solution. $M_0$2.60000×10^{15}								
	(365) Aegean Sea								
ISC	**VIII**	**03 00 39 16.6–.28**	**39.585N–.01**	**23.852E–.01**	**9–1**	**5.0b,4.9s**	**1803**	**0-131**	
BJI	VIII	03 00 39 10.3	39.55N	23.16E	5	5.4b,5.1s			**¶13390744**
ISCJB	VIII	03 00 39 14.9–.30	39.619N–.01	23.865E–.01	7–2	5.0b,4.9s			
IDC	VIII	03 00 39 15.5–.50	39.63N	23.80E	0	4.7,4.7			
ATH	VIII	03 00 39 16.1	39.59N	23.90E	30–1	5.3L,4.7			
PDG	VIII	03 00 39 16.2–.49	39.62N	23.88E	18–1	4.6,4.5L			
THE	VIII	03 00 39 16.5	39.58N	23.87E	10–1	4.9L,4.5L			
NEIC	VIII	03 00 39 16.9–.13	39.61N	23.85E	10	5.3W,5.3L			
CSEM	VIII	03 00 39 16.0–.05	39.60N	23.86E	5	5.3W,5.1b			
IGIL	VIII	03 00 39 17.9	39.59N	23.92E	5	5.5b,5.1b			
MOS	VIII	03 00 39 18.2–1.2	39.67N	23.82E	33	5.1b,4.7s			
GCMT	VIII	03 00 39 19.6–.20	39.54N	23.76E	12	5.3W,4.7s			
DDA	VIII	03 00 39 20.2	39.67N	24.48E	18–3	5.0L,4.7s			
BGS	VIII	03 00 39 26.3–1.8	40.80N	23.45E	10–0	5.0s,4.8b			
DJA	VIII	03 00 40 02	40.19N	23.54E	463	4.7b,4.8b			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=14.6.								
IDC	Error ellipse: s-maj=10.1km s-min=9.2km az=42.0.								
ATH	Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.								
PDG	Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.								
THE	Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=251.0.								
NEIC	Event type fe. Error ellipse: s-maj=2.2km s-min=2.1km az=154.0. 5.2 [THE]. Felt at Thessaloniki and Volos.								
CSEM	Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=21.0.								
MOS	Error ellipse: s-maj=3.2km s-min=2.1km az=100.6.								
GCMT	Event type se. Data Used: II IU IC CN G. Surface waves: sta= 93, comp=179, per= 50. Moment Tensor Solution. s51,c79; s9,c9; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.69±.15 $M_{\theta\theta}$6.50±.14; $M_{\phi\phi}$-0.81±.15; $M_{r\theta}$0.56±.36; $M_{\theta\phi}$-6.23±.12; $M_{\phi r}$3.84±.43; Best double couple: NP1:ϕ_s267.00000°,δ52.00000°,λ-143.00000°. NP2:ϕ_s152.00000°,δ61.00000°,λ-44.00000°. Principal axes: T 10.2000,Plg5.0000°,Azm211.0000°; N -1.4000,Plg39.0000°,Azm306.0000° ; P -8.8000,Plg50.0000°,Azm115.0000° $M_0$9.50000×10^{16}								
BGS	Error ellipse: s-maj=81.3km s-min=59.5km az=-1.0.								
	(365) Aegean Sea								
ISC	**VIII**	**03 00 52 54.4–.32**	**39.55N–.01**	**23.87E–.01**	**7–2**	**4.8s,4.3b**	**805**	**0-76**	
BJI	VIII	03 00 52 52.1	39.60N	23.90E	10	5.0s,5.0b			**¶13390745**
PDG	VIII	03 00 52 53.8–.57	39.54N	23.91E	11–1	4.1L,5.0b			
ISCJB	VIII	03 00 52 54.2–.29	39.58N–.01	23.88E–.01	18–3	4.8s,4.3b			
CSEM	VIII	03 00 52 54.7–.05	39.56N	23.88E	10	4.5b,4.3b			
NEIC	VIII	03 00 52 54.1	39.56N	23.90E	27	4.5L,4.4L			
ATH	VIII	03 00 52 54.1	39.56N	23.90E	27–1	4.4L,4.4L			
THE	VIII	03 00 52 55.2	39.58N	23.90E	2–1	4.5L,4.4L			
MOS	VIII	03 00 52 55.9–1.4	39.59N	23.76E	33	4.4b,4.4L			
IDC	VIII	03 00 52 56.4–4.8	39.45N	23.88E	20–32	3.9b,3.9			
DDA	VIII	03 00 53 03.3	39.55N	24.99E	18–4	3.6,3.9			
ISC	Event type fe.								
PDG	Event type ke. Error ellipse: s-maj=0.7km s-min=1.3km az=0.0.								
ISCJB	Event type fe. Error ellipse: s-maj=1.9km s-min=1.5km az=25.7.								
CSEM	Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=25.0.								
NEIC	Event type fe. Felt at Thessaloniki and Volos. After ATH.								
ATH	Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.								
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=336.0.								
MOS	Error ellipse: s-maj=4.8km s-min=3.1km az=109.0.								
IDC	Error ellipse: s-maj=13.8km s-min=11.3km az=1.0.								
	(212) Bonin Islands region								
ISC	**VIII**	**03 05 02 42.8–.73**	**26.41N–.04**	**141.92E–.06**	**39–6**	**4.2b**	**60**	**0-150**	
NIED	VIII	03 05 02 00	26.50N	141.90E	44	4.2W			**¶11652779**
BJI	VIII	03 05 02 34.5	26.02N	142.45E	25	4.5b,4.5b			
IDC	VIII	03 05 02 36.6–.55	26.44N	141.81E	0	4.3,4.2			
ISCJB	VIII	03 05 02 41.1–.88	26.45N–.04	141.77E–.06	39–7	4.2b,4.2			
NEIC	VIII	03 05 02 42.3–.33	26.44N	141.87E	35	4.3b,4.2			
JMA	VIII	03 05 02 42.2–.20	26.47N	141.78E	27	4.5,4.2			
ISC	Event type fe.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ54.00000°,λ105.00000°. NP2:ϕ_s360.00000°,δ38.00000°,λ71.00000°. $M_0$2.36000×10^{15}								
IDC	Error ellipse: s-maj=20.0km s-min=14.7km az=89.0.								
ISCJB	Event type fe. Error ellipse: s-maj=10.1km s-min=6.2km az=159.8.								
NEIC	Event type fe. Error ellipse: s-maj=10.6km s-min=9.0km az=139.0. Recorded [1 JMA] in the Chichijima-retto.								
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.								
	(19) Southeastern Alaska								
ISC	**VIII**	**03 09 44 28.0–.15**	**58.83N–.02**	**137.49W–.04**	**10**	**4.2b,3.7s**	**279**	**1-90**	
BJI	VIII	03 09 44 23.6	58.70N	137.40W	5	4.9b,4.6b			**¶11154127**
ISCJB	VIII	03 09 44 25.9–.15	58.78N–.02	137.59W–.04	10	4.2b,3.7s			
IDC	VIII	03 09 44 26.2–.55	58.80N	137.54W	0	4.2,4.1			
NEIC	VIII	03 09 44 27.6	58.72N	137.39W	1	4.6L,4.5W			
PGC	VIII	03 09 44 27.6–.06	58.72N	137.39W	1	4.5W,4.5L			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=4.0km s-min=2.0km az=40.9.								
IDC	Error ellipse: s-maj=11.9km s-min=7.4km az=42.0.								
NEIC	Event type fe. Felt [III] at Gustavus, Haines and Juneau. Also felt at Skagway. After PGC. Moment Tensor Solution. $M_0$6.60000×10^{15} Moment Tensor Solution. $M_0$4.80000×10^{15}								
PGC	Event type ke. 131km west of Haines, Ak Southeastern Alaska.								
	(224) Hokkaido region								
JMA	**VIII**	**03 11 55 46.9–.10**	**42.27N**	**139.11E**	**18–1**	**3.8**			
NIED	VIII	03 11 55 00	42.30N	139.10E	5	3.6W			**¶11747257**
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ54.00000°,λ77.00000°. NP2:ϕ_s190.00000°,δ38.00000°,λ107.00000°. $M_0$2.57000×10^{14}								
	(662) Sakhalin Island								
SKHL	**VIII**	**03 20 22 36.6–.70**	**47.41N**	**142.10E**	**10–0**	**3.9b**			**¶13808573**
SKHL	Event type fe. Felt (II-III) at Kostromskoye.								
	(286) Flores region								
ISC	**VIII**	**04 03 26 50.0–.93**	**8.23S–.03**	**120.28E–.04**	**32–6**	**5.0b,4.3s**	**180**	**1-154**	
BJI	VIII	04 03 26 40.8	9.17S	120.73E	39	5.1b,5.0b			**¶11154147**
ISCJB	VIII	04 03 26 46.6–.95	8.22S–.03	120.27E–.04	22–6	5.0b,4.3s			
MOS	VIII	04 03 26 47.9–1.1	8.12S	120.38E	33	5.1b,4.3s			
NEIC	VIII	04 03 26 50.4–.82	8.20S	120.31E	40–8	5.0b,4.3s			
GCMT	VIII	04 03 26 50.9–.20	8.06S	120.26E	26–0	5.1W,4.3s			
IDC	VIII	04 03 26 51.7–2.2	8.14S	120.26E	49–20	4.7,4.7			
DJA	VIII	04 03 26 51	8.22S	120.34E	36	5.1b,4.7			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=7.1km s-min=4.2km az=151.4.								
MOS	Error ellipse: s-maj=14.3km s-min=7.7km az=119.1.								
NEIC	Event type fe. Error ellipse: s-maj=9.0km s-min=4.8km az=57.0. Felt [III] at Ruteng, Flores and in western Sumbawa.								
GCMT	Event type se. Data Used: IU IC G CN II. Moment Tensor Solution. s47,c64; s72,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}3.86±.19 $M_{\theta\theta}$-4.67±.12; $M_{\phi\phi}$0.81±.15; $M_{r\theta}$-3.48±.24; $M_{\theta\phi}$-0.04±.12; $M_{\phi r}$-1.47±.40; Best double couple: NP1:ϕ_s108.00000°,δ28.00000°,λ121.00000°. NP2:ϕ_s254.00000°,δ66.00000°,λ75.00000°. Principal axes: T 5.5000,Plg65.0000° ,Azm138.0000°; N 0.4500,Plg14.0000°,Azm260.0000°; P -5.9500,Plg20.0000° ,Azm355.0000° $M_0$5.70000×10^{16}								
IDC	Error ellipse: s-maj=18.5km s-min=9.6km az=62.0.								
	(221) Kuril Islands								
ISC	**VIII**	**04 04 42 15.7–.08**	**49.86N–.02**	**156.36E–.02**	**84**	**5.5b**	**1760**	**1-158**	
BGS	VIII	04 04 42 10.9–1.4	49.79N	155.33E	40–0	5.7b			**¶11154150**
BJI	VIII	04 04 42 11.6	49.84N	156.29E	69	5.6b,5.6b			
IDC	VIII	04 04 42 12.1–1.8	49.98N	156.32E	50–14	5.2,5.2			
SZGRF	VIII	04 04 42 12.8	50.23N	156.31E	33	6.0b,5.0s			
KRSC	VIII	04 04 42 13.1–1.2	49.92N	157.26E	5–5	6.0L,5.0s			
ISCJB	VIII	04 04 42 13.5–.08	49.80N–.02	156.46E–.02	82	5.5b,5.0s			
DJA	VIII	04 04 42 14	50.17N	157.62E	118	5.4b,5.0s			
NEIC	VIII	04 04 42 14.8–.48	49.85N	156.38E	77–4	5.8W,5.7W			
MOS	VIII	04 04 42 16.0–1.0	50.10N	156.27E	102	5.7b,4.9s			
GCMT	VIII	04 04 42 18.3–.10	49.77N	156.70E	90–1	5.7W,4.9s			
ISC	Event type fe.								
BGS	Error ellipse: s-maj=162.9km s-min=508.6km az=-1.0.								
IDC	Error ellipse: s-maj=14.2km s-min=9.4km az=155.0.								
SZGRF	Kuril Islands, Russia.								
KRSC	Event type se.								
ISCJB	Event type fe. Error ellipse: s-maj=2.6km s-min=1.4km az=169.9.								
NEIC	Event type se. Error ellipse: s-maj=3.7km s-min=2.0km az=171.0. Moment Tensor Solution. s147 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.88 $M_{\theta\theta}$0.54 $M_{\phi\phi}$0.34 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.43 $M_{\phi r}$4.32 Best double couple: NP1:ϕ_s189.00000°,δ86.00000°,λ-85.00000°. NP2:ϕ_s314.00000° ,δ6.00000°,λ-145.00000°. Principal axes: T 4.1000,Plg41.0000°,Azm273.0000° ; N 0.6800,Plg5.0000°,Azm8.0000°; P -4.7800,Plg48.0000°,Azm104.0000° $M_0$4.50000×10^{17}								

MOS Event type fe. Error ellipse: s-maj=7.9km s-min=5.4km az=75.0. Felt (V) at Severo-Kuril'sk; (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=236, per= 50. Moment Tensor Solution. s102,c218; s52,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54±.06 $M_{\theta\theta}$-0.16±.06; $M_{\phi\phi}$0.69±.06; $M_{r\theta}$0.71±.04; $M_{\theta\phi}$-0.56±.06; $M_{\phi r}$4.86±.04; Best double couple: NP1:ϕ_s300.00000°,δ8.00000°,λ-158.00000°. NP2:ϕ_s188.00000°,δ87.00000°,λ-82.00000°. Principal axes: T 4.9800,Plg41.0000°,Azm271.0000°; N 0.0100,Plg8.0000°,Azm7.0000° ; P -4.9900,Plg48.0000°,Azm106.0000° $M_0$5.00000×10^{17}

(227) Eastern Honshu

ISC	**VIII**	**04 10 08 31.7–.45**	**38.87N–.02**	**140.88E–.03**	**4–5**	**3.6b**	**25**	**0-74**
NIED	VIII	04 10 08 00	38.90N	140.90E	5	3.6W		**¶11747271**
IDC	VIII	04 10 08 31.0–1.3	38.76N	141.16E	0	3.8,3.7		
ISCJB	VIII	04 10 08 31.2–.58	38.87N–.03	140.89E–.04	12–4	3.6b,3.7		
JMA	VIII	04 10 08 31.7	38.88N	140.87E	6–1	3.5,3.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ48.00000°,λ68.00000°. NP2:ϕ_s225.00000°,δ46.00000°,λ112.00000°. $M_0$2.79000×10^{14}
IDC Error ellipse: s-maj=48.4km s-min=22.3km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.1km az=32.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s345.00000°,δ45.00000°,λ23.00000°. NP2:ϕ_s238.00000°,δ74.00000°,λ133.00000°. Principal axes: T Plg44.0000°,Azm190.0000°; N Plg41.0000°,Azm44.0000°; P Plg18.0000° ,Azm298.0000°

(238) Ryukyu Islands

ISC	**VIII**	**04 10 25 56.3–.12**	**26.92N–.02**	**126.43E–.02**	**27**	**5.0s,4.9b**	**465**	**1-113**
NIED	VIII	04 10 25 00	27.00N	126.50E	8	5.2W,4.9b		**¶11154158**
JMA	VIII	04 10 25 51.3–.30	26.97N	126.54E	11–3	5.4,4.9b		
IDC	VIII	04 10 25 51.5–.53	26.87N	126.44E	0	4.8s,4.8		
ISCJB	VIII	04 10 25 54.5–.12	26.91N–.02	126.39E–.02	26	5.0s,4.9b		
BJI	VIII	04 10 25 54.6	27.06N	126.31E	20	5.3s,5.2L		
MOS	VIII	04 10 25 55.6–1.5	26.85N	126.10E	33	5.2b,4.8s		
GCMT	VIII	04 10 25 56.0–.10	26.91N	126.50E	13–0	5.3W,4.8s		
NEIC	VIII	04 10 25 58.0–.24	27.08N	126.17E	25	5.2W,5.1b		
DJA	VIII	04 10 26 33	26.94N	126.75E	489	4.7b,5.1b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ68.00000°,λ-156.00000°. NP2:ϕ_s271.00000°,δ68.00000°,λ-23.00000°. $M_0$8.18000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=12.6km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.5km az=141.2.
MOS Error ellipse: s-maj=9.0km s-min=5.4km az=104.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c107; s94,c174; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s4.00000°,δ73.00000°,λ-180.00000°. NP2:ϕ_s274.00000° ,δ90.00000°,λ-17.00000°. Principal axes: T 1.1000,Plg12.0000°,Azm320.0000° ; N -0.2100,Plg73.0000°,Azm93.0000°; P -0.9000,Plg12.0000°,Azm227.0000° $M_0$1.00000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.3km az=145.0. Recorded [2 JMA] on Kume-jima and Okinawa; [1 JMA] on Aguni-jima. Moment Tensor Solution. $M_0$8.20000×10^{16}

(238) Ryukyu Islands

JMA	**VIII**	**04 10 29 01.8–.20**	**26.94N**	**126.54E**	**11–3**	**4.6**		
								¶13515658

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

(224) Hokkaido region

ISC	**VIII**	**04 10 57 25.6–1.1**	**42.29N–.04**	**144.70E–.06**	**29–8**	**3.6b**	**47**	**1-85**
NIED	VIII	04 10 57 00	42.30N	144.70E	35	4.0W		**¶11747274**
IDC	VIII	04 10 57 21.4–1.3	42.21N	144.47E	0	3.9,3.8		
MOS	VIII	04 10 57 25.4–1.9	42.22N	144.71E	36	4.0b,3.8		
ISCJB	VIII	04 10 57 25.5–.80	42.29N–.05	144.71E–.07	45–7	3.6b,3.8		
NEIC	VIII	04 10 57 26.1	42.33N	144.69E	37	4.1,3.8		
JMA	VIII	04 10 57 26.1	42.33N	144.69E	37–1	4.1,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ74.00000°,λ76.00000°. NP2:ϕ_s219.00000°,δ21.00000°,λ132.00000°. $M_0$1.00000×10^{15}
IDC Error ellipse: s-maj=36.5km s-min=20.7km az=173.0.
MOS Error ellipse: s-maj=16.2km s-min=14.7km az=56.8.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=5.2km az=138.0.
NEIC Event type fe. Recorded [1 JMA] in eastern Hokkaido. After JMA.
JMA Event type fe.

(280) Banda Sea

ISC	**VIII**	**04 20 45 15.8–.30**	**5.93S–.02**	**130.31E–.02**	**188–2**	**6.0b**	**604**	**1-165**
BJI	VIII	04 20 45 07.1	6.33S	130.66E	160	6.0b,5.8b		**¶13390864**
TEH	VIII	04 20 45 10.0	5.91S	130.28E	118	6.0b,5.8b		
BGS	VIII	04 20 45 13.9–1.3	5.92S	130.20E	175–0	6.1b,5.8b		
IGIL	VIII	04 20 45 13.3	5.90S	130.27E	158	6.1b,5.8b		
NEIC	VIII	04 20 45 14.0–.08	5.92S	130.20E	174	6.3W,6.1b		
MOS	VIII	04 20 45 13.2–.86	5.90S	130.24E	177	6.2b,5.5s		
ISCJB	VIII	04 20 45 14.6–.30	5.94S–.02	130.31E–.02	192–2	5.9b,5.5s		
CASC	VIII	04 20 45 15.7–3.3	5.92S	130.20E	174–0	6.1b,5.5s		
IDC	VIII	04 20 45 15.2–.41	5.84S	130.27E	183–3	5.6,5.6		
DJA	VIII	04 20 45 16.2–.20	6S–3.0	130E–2.0	184–3	6.9,6.5b		
GCMT	VIII	04 20 45 19.7–.10	5.93S	130.47E	174–0	6.3W,6.5b		

ISC Event type fe.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=48.0. Felt [III] at Saumlaki and Tual, Indonesia. Also felt at Biak and Sorong. Felt [II] at Darwin, Australia. Moment Tensor Solution. s36 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.59 $M_{\theta\theta}$0.89 $M_{\phi\phi}$0.70 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.41 $M_{\phi r}$-0.54 Best double couple: NP1:ϕ_s238.00000°,δ37.00000°,λ-76.00000°. NP2:ϕ_s41.00000° ,δ55.00000°,λ-100.00000°. Principal axes: T 1.2800,Plg9.0000°,Azm138.0000° ; N 0.4300,Plg8.0000°,Azm46.0000°; P -1.7100,Plg77.0000°,Azm274.0000° $M_0$1.50000×10^{18}
MOS Error ellipse: s-maj=9.6km s-min=6.5km az=110.6.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=144.3.
CASC Error ellipse: s-maj=345.3km s-min=108.7km az=-1.0.
IDC Error ellipse: s-maj=9.0km s-min=5.9km az=59.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=109, comp=261, per= 50. Moment Tensor Solution. s112,c274; s95,c155; Moment tensor: Scale 10^{18}Nm; M_{rr}-2.87±.01 $M_{\theta\theta}$1.66±.02; $M_{\phi\phi}$1.22±.02; $M_{r\theta}$-0.19±.02; $M_{\theta\phi}$1.59±.02; $M_{\phi r}$-0.38±.02; Best double couple: NP1:ϕ_s232.00000°,δ41.00000°,λ-85.00000°. NP2:ϕ_s46.00000°,δ49.00000°,λ-95.00000°. Principal axes: T 3.0700,Plg4.0000°,Azm139.0000°; N -0.1600,Plg3.0000°,Azm49.0000° ; P -2.9100,Plg85.0000°,Azm277.0000° $M_0$3.00000×10^{18}

(238) Ryukyu Islands

ISC	**VIII**	**05 01 00 45.1–.71**	**26.92N–.02**	**126.60E–.02**	**10–4**	**4.9s,4.8b**	**373**	**1-163**
NIED	VIII	05 01 00 00	27.00N	126.50E	8	5.1W,4.8b		**¶11154175**
JMA	VIII	05 01 00 43.0–.20	26.98N	126.51E	14–3	5.2,4.8b		
IDC	VIII	05 01 00 43.8–.53	26.82N	126.29E	0	4.7s,4.7		
ISCJB	VIII	05 01 00 44.5–.95	26.94N–.02	126.53E–.02	14–6	4.9s,4.8b		
NEIC	VIII	05 01 00 46.6–.20	26.99N	126.48E	16	5.1W,5.0b		
MOS	VIII	05 01 00 47.4–1.1	26.91N	126.23E	33	5.1s,5.1b		
GCMT	VIII	05 01 00 47.4–.20	26.90N	126.49E	12	5.2W,5.1b		
BJI	VIII	05 01 00 48.9	27.01N	126.42E	43	5.2s,5.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s271.00000°,δ71.00000°,λ-32.00000°. NP2:ϕ_s12.00000°,δ60.00000°,λ-158.00000°. $M_0$5.83000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=19.1km s-min=13.1km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.9km az=11.1.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.3km az=139.0. Recorded [1 JMA] on Kume-jima. Moment Tensor Solution. $M_0$5.80000×10^{16}
MOS Error ellipse: s-maj=10.7km s-min=6.4km az=115.1.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s44,c62; s88,c159; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.46±.13 $M_{\theta\theta}$2.05±.12; $M_{\phi\phi}$-0.59±.13; $M_{r\theta}$2.36±.35; $M_{\theta\phi}$5.94±.10; $M_{\phi r}$-1.02±.36; Best double couple: NP1:ϕ_s9.00000°,δ66.00000°,λ-168.00000°. NP2:ϕ_s273.00000°,δ79.00000°,λ-24.00000°. Principal axes: T 6.9900,Plg9.0000° ,Azm323.0000°; N -0.5800,Plg63.0000°,Azm70.0000°; P -6.4200,Plg25.0000° ,Azm229.0000° $M_0$6.70000×10^{16}

(221) Kuril Islands

ISC	**VIII**	**05 02 00 01.4–.34**	**44.53N–.03**	**148.04E–.03**	**66–3**	**4.6b**	**599**	**1-153**
NIED	VIII	05 01 59 00	44.00N	148.10E	50	4.6W		**¶13390887**
BJI	VIII	05 01 59 58.5	44.46N	148.33E	72	4.8b,4.8b		
JMA	VIII	05 01 59 58.2–.30	44.03N	148.07E	0	4.9,4.8b		
MOS	VIII	05 01 59 58.5–.93	44.50N	148.07E	58	4.9b,4.8b		
SKHL	VIII	05 01 59 59.1–1.6	44.49N	148.30E	60–29	5.2b,3.8s		
ISCJB	VIII	05 01 59 59.8–.36	44.53N–.03	148.07E–.02	66–3	4.6b,3.8s		
IDC	VIII	05 02 00 00.7–2.7	44.56N	148.10E	61–23	4.4,4.4		
NEIC	VIII	05 02 00 01.6–.57	44.52N	148.01E	71–5	4.7b,4.4		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ75.00000°,λ92.00000°. NP2:ϕ_s204.00000°,δ15.00000°,λ82.00000°. $M_0$8.12000×10^{15}
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=8.0km s-min=5.0km az=101.7. Felt (III-IV) at Kuril'sk, Gornyi; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
SKHL Event type fe. Felt (III-IV) at Kurilsk, Gorny, (II) at Yushno-Kurilsk.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.6km az=162.2.
IDC Error ellipse: s-maj=15.4km s-min=11.7km az=152.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.4km az=161.0. Recorded [1 JMA] in eastern Hokkaido.

(246) Southwestern Ryukyu Islands

ISC	**VIII**	**05 05 39 23.9–.53**	**25.1N–.10**	**125.57E–.08**	**50–6**	**4.0b,3.2s**	**50**	**0-82**
NIED	VIII	05 05 39 00	25.00N	125.60E	50	4.1W,3.2s		**¶13516054**
ISCJB	VIII	05 05 39 22.8–.58	25.0N–.10	125.59E–.08	58–6	4.0b,3.2s		
JMA	VIII	05 05 39 23.4	25.01N	125.63E	53–1	4.2,3.2s		
NEIC	VIII	05 05 39 28.2–3.0	24.46N	125.29E	118–27	4.2b,3.2s		
IDC	VIII	05 05 39 39.9–4.9	25.71N	125.26E	159–46	3.5,3.4		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ83.00000°,λ100.00000°. NP2:ϕ_s179.00000°,δ12.00000°,λ37.00000°. $M_0$1.58000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=23.2km s-min=4.0km az=147.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=40.3km s-min=35.4km az=47.0. Recorded [1 JMA] on Miyako-jima.
IDC Error ellipse: s-maj=32.3km s-min=19.1km az=65.0.

(307) Sichuan

ISC	**VIII**	**05 09 49 18.4–.07**	**32.81N–.01**	**105.50E–.01**	**11**	**6.0s,5.8b**	**1478**	**2-175**
BJI	VIII	05 09 49 15.8	32.72N	105.61E	13	6.5s,6.3b		**¶12099692**
IDC	VIII	05 09 49 16.1–.37	32.84N	105.60E	0	5.9s,5.9		
ISCJB	VIII	05 09 49 16.6–.07	32.77N–.01	105.44E–.01	10	6.0s,5.8b		
NEIC	VIII	05 09 49 17.3–.11	32.76N	105.49E	6	6.1,6.0s		
MOS	VIII	05 09 49 18.6–.97	32.74N	105.62E	33	6.1b,6.0s		
IGIL	VIII	05 09 49 18.0	32.74N	105.51E	10	5.9s,6.0s		
TEH	VIII	05 09 49 18.0	32.81N	105.56E	10	5.9s,6.0s		
SZGRF	VIII	05 09 49 19.7	32.85N	105.06E	11	6.3b,6.2s		
GCMT	VIII	05 09 49 20.4–.10	32.69N	105.57E	12	6.0W,6.2s		
DJA	VIII	05 09 49 24	32.75N	105.50E	53	6.5W,6.2s		
BGS	VIII	05 09 49 45.5–1.6	35.08N	99.74E	10–0	6.1s,5.5b		

ISC Event type de.
IDC Error ellipse: s-maj=13.6km s-min=9.1km az=36.0.
ISCJB Event type de. Error ellipse: s-maj=1.9km s-min=1.7km az=32.4.
NEIC Event type de. Error ellipse: s-maj=3.6km s-min=2.5km az=24.0. Four people killed, 29 injured, and several buildings and roads damaged in the Qingchuan area. Felt [III] at Chengdu and Xi'an. Also felt at Beibei, Chongqing, Daxian, Guangyuan, Mianyang, Nanchong and Xianyang. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s15.00000°,δ55.00000°,λ150.00000°. NP2: ϕ_s123.00000°,δ66.00000°,λ39.00000°. Principal axes: T Plg44.0000°,Azm343.0000° ; N Plg0.0000°,Azm0.0000°; P Plg7.0000°,Azm247.0000°
MOS Error ellipse: s-maj=7.4km s-min=5.4km az=100.4.
SZGRF Sichuan, China.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=116, comp=279, per= 50. Moment Tensor Solution. s102,c217; s86,c115; Moment tensor: Scale 10^{18}Nm; M_{rr}1.09±.01 $M_{\theta\theta}$-0.13±.01; $M_{\phi\phi}$-0.97±.01; $M_{r\theta}$0.18±.02; $M_{\theta\phi}$0.37±.01; $M_{\phi r}$0.01±.02; Best double couple: NP1:ϕ_s348.00000°,δ44.00000°,λ103.00000°. NP2:ϕ_s151.00000°,δ47.00000°,λ78.00000°. Principal axes: T 1.1200,Plg81.0000°,Azm348.0000°; N -0.0100,Plg9.0000°,Azm159.0000° ; P -1.1100,Plg1.0000°,Azm249.0000° $M_0$1.10000×10^{18}
BGS Error ellipse: s-maj=328.1km s-min=530.4km az=-1.0.

(78) Costa Rica

ISC	**VIII**	**05 11 26 01.9–1.0**	**9.93N–.05**	**85.66W–.04**	**12–5**	**3.5b**	**43**	**0-151**
IDC	VIII	05 11 26 00.6–5.0	10.71N	84.88W	0	4.1,3.7b		**¶11907789**
ISCJB	VIII	05 11 26 01.2–.92	9.91N–.04	85.69W–.04	11–5	3.5b,3.7b		
NEIC	VIII	05 11 26 02.7–1.3	10.96N	84.64W	10	3.5b,3.7b		
CASC	VIII	05 11 26 02.9–2.1	9.97N	85.62W	9–6	3.6,3.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=260.4km s-min=59.5km az=35.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=5.8km az=139.6.
NEIC Event type fe. Error ellipse: s-maj=32.0km s-min=10.2km az=94.0. Felt at Nicoya.
CASC Error ellipse: s-maj=4.1km s-min=4.8km az=-1.0.

(233) Near south coast of western Honshu

ISC	**VIII**	**05 21 26 00.2–.32**	**34.87N–.02**	**135.44E–.02**	**12–2**	**3.9s,3.8b**	**55**	**0-80**
IDC	VIII	05 21 25 56.5–2.1	34.52N	135.50E	0	3.7,3.6b		**¶11154208**
ISCJB	VIII	05 21 26 00.2–.30	34.87N–.02	135.43E–.03	25–3	3.9s,3.8b		
NIED	VIII	05 21 26 00	34.90N	135.40E	14	3.8W,3.8b		
JMA	VIII	05 21 26 00.5	34.88N	135.45E	13–1	3.9,3.8b		
NEIC	VIII	05 21 26 02.5–3.6	34.85N	135.41E	28–27	4.2b,3.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=56.2km s-min=19.5km az=171.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.2km az=31.1.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ53.00000°,λ85.00000°. NP2:ϕ_s5.00000°,δ37.00000°,λ96.00000°. $M_0$4.99000×10^{14}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s353.00000°,δ33.00000°,λ64.00000°. NP2:ϕ_s202.00000°,δ61.00000°,λ106.00000°. Principal axes: T Plg70.0000°,Azm146.0000°; N Plg14.0000°,Azm14.0000°; P Plg14.0000° ,Azm281.0000°
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.2km az=220.0.

(377) Spain

ISC	**VIII**	**05 22 41 21.4–.31**	**38.16N–.01**	**0.88W–.02**	**8–1**		**811**	**0-11**
ISCJB	VIII	05 22 41 19.8–.33	38.27N–.02	0.99W–.02	0–1			**¶11158561**
SFS	VIII	05 22 41 21.0	38.04N	0.78W	7	3.4L		
CSEM	VIII	05 22 41 21.2–.15	38.14N	0.88W	5	3.8L		
NEIC	VIII	05 22 41 21.9	38.05N	0.78W	7	3.5L,3.4		
MDD	VIII	05 22 41 22.0–.36	38.05N	0.78W	7–2	3.4,3.4		
INMG	VIII	05 22 41 21.8–1.7	38.05N	0.77W	12–3	3.3L,3.4		
LDG	VIII	05 22 41 21.8–.13	38.03N	0.77W	2–0	3.4L,3.4		
STR	VIII	05 22 41 31.4–.34	38.71N	0.64W	10–0	3.5L,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.7km az=144.0.
SFS Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=1.9km az=142.0.
NEIC Event type fe. Felt [III] at Algorfa, Alicante, Almoradi, Elche, Guardamar del Segura, Orihuela, San Pedro del Pinatar, Santa Pola and Torrevieja. After MDD.
MDD Event type fe. Error ellipse: s-maj=3.9km s-min=2.0km az=133.0. EMS: III ALGORFA TORREVIEJA GUARDAMAR DEL. PRIMO SEGURA ALMORADA, ORIHUELA SANTA POLA ELCHE ALICANTE SAN PEDRO DEL PINATAR.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=1.9km az=133.0.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=1.4km az=140.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(235) Kyushu

ISC	**VIII**	**06 03 10 27.7–.47**	**32.29N–.07**	**131.21E–.07**	**86–4**	**3.8b**	**24**	**0-73**
NIED	VIII	06 03 10 00	32.30N	131.20E	77	3.8W		**¶11747298**
ISCJB	VIII	06 03 10 26.5–.47	32.30N–.07	131.26E–.06	92–4	3.8b		
NEIC	VIII	06 03 10 27.9–.67	32.29N	131.09E	87	3.7b		
JMA	VIII	06 03 10 28.1–.10	32.28N	131.15E	83–1	3.6		
IDC	VIII	06 03 10 29.3–3.1	32.32N	131.12E	101–28	3.6b,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s152.00000°,δ61.00000°,λ131.00000°. NP2:ϕ_s271.00000°,δ49.00000°,λ40.00000°. $M_0$5.54000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=8.0km az=151.1.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.1km az=171.0.
JMA Event type fe.
IDC Error ellipse: s-maj=25.5km s-min=20.6km az=39.0.

(159) North Island

WEL	**VIII**	**06 04 02 01.8–.11**	**37.80S**	**176.83E**	**5**	**3.9L**		
NEIC	VIII	06 04 02 01.0	37.73S	176.84E	5	3.9L		**¶11325698**

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.8km az=0.0. Felt from Bay of Plenty to Wellington, maximum reported intensity MM 5.
NEIC Event type fe. Felt at Kawerau and Matata. After WEL.

(718) Hindu Kush region

ISC	**VIII**	**06 08 26 51.4–.28**	**36.48N–.02**	**70.39E–.03**	**195–3**	**4.3b**	**206**	**2-149**
BJI	VIII	06 08 26 45.7	36.51N	69.76E	204	4.7b,4.5b		¶11158574
ISCJB	VIII	06 08 26 50.5–.28	36.47N–.02	70.39E–.03	202–3	4.3b,4.5b		
MOS	VIII	06 08 26 51.5–.98	36.51N	70.32E	207	4.6b,4.5b		
IDC	VIII	06 08 26 52.9–.64	36.51N	70.37E	211–4	4.0,3.9		
NEIC	VIII	06 08 26 52.3–.68	36.47N	70.40E	205–6	4.7b,3.9		
NNC	VIII	06 08 26 56.8–3.5	36.90N	70.40E	206–28	4.8,3.7b		
TEH	VIII	06 08 27 00.0	36.47N	70.53E	200	4.8,3.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=154.8.
MOS Error ellipse: s-maj=10.3km s-min=6.0km az=92.7.
IDC Error ellipse: s-maj=12.0km s-min=9.0km az=167.0.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=7.0km az=144.0. Felt at Islamabad, Pakistan.
NNC Error ellipse: s-maj=30.2km s-min=21.3km az=6.0.

(76) Off coast of central America

ISC	**VIII**	**06 08 51 23.8–.25**	**13.06N–.04**	**88.63W–.03**	**63–2**	**4.5b**	**451**	**1-148**
BJI	VIII	06 08 51 21.8	13.00N	88.60W	71	5.3b,4.6s		¶11158576
ISCJB	VIII	06 08 51 22.5–.27	13.01N–.04	88.66W–.03	71–2	4.5b,4.6s		
IDC	VIII	06 08 51 22.9–.65	13.17N	88.44W	64–5	4.3,4.1		
NEIC	VIII	06 08 51 23.3–.32	12.96N	88.57W	72	5.1,4.6b		
CASC	VIII	06 08 51 23.2–5.5	12.98N	88.68W	65–42	4.8L,4.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=2.5km az=32.7.
IDC Error ellipse: s-maj=23.4km s-min=9.0km az=48.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.1km az=28.0. Felt [III] at San Salvador.
CASC Error ellipse: s-maj=25.4km s-min=12.2km az=-1.0.

(160) Off east coast of North Island

WEL	**VIII**	**06 09 40 23.4–.19**	**38.86S**	**178.09E**	**29–1**	**3.7L**		
								¶11325708

WEL Event type fe. Error ellipse: s-maj=2.5km s-min=1.3km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.

(162) South Island

WEL	**VIII**	**06 12 38 15.9–.09**	**43.00S**	**171.45E**	**5**	**3.5L**		
								¶11325715

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=0.0. Felt in the West Coast region.

(227) Eastern Honshu

ISC	**VIII**	**06 13 16 41.8–.37**	**39.18N–.02**	**140.84E–.04**	**10**	**3.6b**	**33**	**0-74**
NIED	VIII	06 13 16 00	39.20N	140.80E	5	3.8W		¶11747304
ISCJB	VIII	06 13 16 41.0–.36	39.18N–.02	140.85E–.04	10	3.6b		
IDC	VIII	06 13 16 41.8–1.0	39.23N	140.45E	0	3.9L,3.7		
JMA	VIII	06 13 16 41.3	39.18N	140.83E	8–1	4.0,3.7		
NEIC	VIII	06 13 16 43.1–.69	39.21N	140.52E	10	4.0b,3.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ77.00000°,λ-159.00000°. NP2:ϕ_s126.00000°,δ70.00000°,λ-14.00000°. $M_0$6.16000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=7.5.
IDC Error ellipse: s-maj=28.1km s-min=22.0km az=87.0.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=11.3km az=128.0.

(249) Luzon

MAN	**VIII**	**06 20 39 07**	**14.12N**	**121.21E**	**3**	**4.6b,3.4L**		
								¶13728298

MAN Event type fe. INTENSITY III - LIPA BATANGAS; BINAN LAGUNA; LOS BANOS LAGUNA.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**06 21 12 53.0–.63**	**35.52N–.03**	**141.02E–.05**	**35–4**	**4.3b,3.6s**	**117**	**0-148**
NIED	VIII	06 21 12 00	35.50N	141.00E	35	4.5W,3.6s		¶13391024
IDC	VIII	06 21 12 48.8–.63	35.53N	140.81E	0	4.2,4.1		
MOS	VIII	06 21 12 51.0–1.2	35.54N	141.04E	33	4.5b,4.1		
JMA	VIII	06 21 12 52.7–.10	35.54N	141.02E	42–1	4.3,4.1		
ISCJB	VIII	06 21 12 52.5–.46	35.51N–.03	141.00E–.05	48–3	4.3b,3.6s		
BJI	VIII	06 21 12 53.3	35.66N	140.05E	6	4.5b,4.3b		
NEIC	VIII	06 21 12 53.3–1.2	35.49N	140.90E	36–10	4.5b,4.4W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s178.00000°,δ84.00000°,λ-78.00000°. NP2:ϕ_s295.00000°,δ13.00000°,λ-153.00000°. $M_0$5.74000×10^{15}
IDC Error ellipse: s-maj=19.4km s-min=14.4km az=97.0.
MOS Error ellipse: s-maj=11.3km s-min=7.3km az=116.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.7km az=175.1.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=6.4km az=110.0. Recorded [2 JMA] in Chiba and [1 JMA] in Ibaraki. Moment Tensor Solution. $M_0$5.70000×10^{15}

(116) Central Peru

ISC	**VIII**	**06 22 03 11.8–.21**	**14.17S–.04**	**72.93W–.04**	**94**	**4.8b**	**538**	**4-171**
NEIC	VIII	06 22 03 08.8–.75	14.15S	72.92W	68–6	4.9b		¶11158594
ISCJB	VIII	06 22 03 10.0–.20	14.14S–.04	73.08W–.04	92	4.8b		
BJI	VIII	06 22 03 11.0	14.10S	72.90W	87	5.7s,5.4		
IDC	VIII	06 22 03 11.3–.61	14.12S	73.00W	91–4	4.5,4.5		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.6km az=45.0. Felt [II] at Andahuaylas and Chalhuanca.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.5km az=33.8.
IDC Error ellipse: s-maj=17.8km s-min=9.3km az=46.0.

(285) Sumbawa region

ISC	**VIII**	**06 22 41 02.0–.14**	**8.15S–.02**	**117.77E–.02**	**14**	**5.6b,5.5s**	**508**	**2-168**
IDC	VIII	06 22 40 59.0–.36	8.07S	117.62E	0	5.9L,5.5s		¶13391027
BJI	VIII	06 22 40 59.7	8.10S	117.70E	10	5.7s,5.7b		
ISCJB	VIII	06 22 41 00.1–.14	8.18S–.02	117.74E–.02	13	5.6b,5.5s		
DJA	VIII	06 22 41 03	8.29S	117.73E	10	6.3W,5.5s		
NEIC	VIII	06 22 41 03.7–1.6	8.13S	117.67E	31–11	5.9W,5.8b		
MOS	VIII	06 22 41 03.1–1.6	8.10S	117.69E	33	5.7b,5.4s		
GCMT	VIII	06 22 41 06.5–.10	8.14S	117.73E	27–0	5.9W,5.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=16.5km s-min=8.4km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=19.2.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.1km az=55.0. Felt [VII] at Pekat; [IV] at Dompu and Sumbawa Besar; [III] at Bima. Felt [IV] at Denpasar, Bali and at Mataram, Lombok. Felt at Kuta, Bali. Moment Tensor Solution. s62 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$-4.89 $M_{\phi\phi}$4.54 $M_{r\theta}$-1.63 $M_{\theta\phi}$-1.11 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s130.00000°,δ78.00000°,λ-170.00000°. NP2:ϕ_s37.00000°,δ80.00000°,λ-13.00000°. Principal axes: T 4.6700,Plg1.0000°,Azm83.0000°; N 0.8100,Plg74.0000°,Azm179.0000° ; P -5.4900,Plg15.0000°,Azm353.0000° $M_0$5.10000×10^{17}
MOS Error ellipse: s-maj=8.2km s-min=5.7km az=115.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 93, comp=201, per= 50. Moment Tensor Solution. s82,c158; s62,c90; Moment tensor: Scale 10^{17}Nm; M_{rr}0.10±.08 $M_{\theta\theta}$-9.14±.08; $M_{\phi\phi}$9.05±.09; $M_{r\theta}$-2.94±.18; $M_{\theta\phi}$-1.93±.07; $M_{\phi r}$-0.85±.17; Best double couple: NP1:ϕ_s130.00000°,δ76.00000°,λ-171.00000°. NP2:ϕ_s38.00000°,δ81.00000°,λ-14.00000°. Principal axes: T 9.3000,Plg4.0000°,Azm85.0000°; N 0.9000,Plg73.0000°,Azm187.0000° ; P -10.2000,Plg16.0000°,Azm354.0000° $M_0$9.80000×10^{17}

(285) Sumbawa region

ISC	**VIII**	**06 23 07 05.2–1.4**	**8.20S–.03**	**117.74E–.03**	**27–10**	**4.7b**	**90**	**2-156**
BJI	VIII	06 23 06 57.4	8.56S	118.09E	9	4.9b,4.7b		¶11158602
IDC	VIII	06 23 07 00.7–.49	8.18S	117.70E	0	5.1L,4.7		
ISCJB	VIII	06 23 07 04.4–.56	8.17S–.03	117.76E–.03	36–5	4.7b,4.7		
NEIC	VIII	06 23 07 05.4–2.3	8.19S	117.73E	30–16	4.7b,4.7		
DJA	VIII	06 23 07 05	8.08S	117.60E	10	5.0,4.7		

ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=11.0km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.2km az=31.7.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=4.7km az=66.0. Felt [II] at Bima.

(127) Chile-Argentina border region

ISC	**VIII**	**07 00 18 05.5–.50**	**29.39S–.04**	**69.13W–.04**	**86–4**	**4.8b**	**548**	**1-175**
ISCJB	VIII	07 00 18 04.0–.57	29.37S–.04	69.10W–.04	87–5	4.8b		¶11165594
NEIC	VIII	07 00 18 06.1–.38	29.35S	69.18W	93–3	4.9b,4.4		
GUC	VIII	07 00 18 06.8–1.1	29.67S	69.17W	95–75	4.7L,4.4		
BJI	VIII	07 00 18 07.0	29.40S	69.20W	93	5.0b,4.4		
IDC	VIII	07 00 18 08.6–.51	29.46S	69.30W	117–4	4.6b,4.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=5.1km az=139.6.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.9km az=65.0. Felt [III] at Huaco, Jachal and Vinchina.
GUC Error ellipse: s-maj=8.2km s-min=29.4km az=-1.0.
IDC Error ellipse: s-maj=18.1km s-min=7.7km az=70.0.

(49) Gulf of California

ISC	**VIII**	**07 02 18 14.9–.29**	**26.72N–.03**	**110.94W–.03**	**10**	**5.0s,4.6b**	**210**	**1-158**
BJI	VIII	07 02 18 10.8	26.60N	111.00W	10	5.5b,5.2s		¶11159766
IDC	VIII	07 02 18 11.6–.94	26.78N	110.93W	0	4.9,4.8s		
ISCJB	VIII	07 02 18 12.7–.28	26.73N–.02	110.91W–.03	10	5.0s,4.6b		
NEIC	VIII	07 02 18 13.8–.44	26.64N	111.00W	10	5.3W,5.0s		
MEX	VIII	07 02 18 14.7–1.5	26.92N	111.05W	14–23	4.9,5.0s		
GCMT	VIII	07 02 18 16.4–.20	26.68N	111.12W	24–0	5.5W,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=21.8km s-min=14.8km az=43.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.2km az=136.7.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=3.8km az=220.0. Felt at Loreto and Mulege, Baja California Sur. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}0.10 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$0.91 $M_{r\theta}$-0.16 $M_{\theta\phi}$-0.02 $M_{\phi r}$-0.29 Best double couple: NP1:ϕ_s226.00000° ,δ83.00000°,λ19.00000°. NP2:ϕ_s133.00000°,δ71.00000°,λ173.00000°. Principal axes: T 1.0000,Plg18.0000°,Azm91.0000°; N 0.0300,Plg69.0000°,Azm243.0000° ; P -1.0400,Plg8.0000°,Azm358.0000° $M_0$1.00000×10^{17}
MEX Error ellipse: s-maj=13.2km s-min=9.1km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 82, comp=161, per= 50. Moment Tensor Solution. s67,c110; s19,c19; Moment tensor: Scale 10^{17}Nm; M_{rr}0.07±.03 $M_{\theta\theta}$-2.03±.03; $M_{\phi\phi}$1.96±.04; $M_{r\theta}$-0.10±.07; $M_{\theta\phi}$-0.54±.03; $M_{\phi r}$0.05±.07; Best double couple: NP1:ϕ_s37.00000°,δ87.00000°,λ0.00000°. NP2:ϕ_s127.00000°,δ90.00000°,λ-177.00000°. Principal axes: T 2.0400,Plg2.0000°,Azm262.0000°; N 0.0700,Plg87.0000°,Azm136.0000° ; P -2.1100,Plg3.0000°,Azm352.0000° $M_0$2.10000×10^{17}

(285) Sumbawa region

ISC	**VIII**	**07 03 46 21.8–.92**	**8.21S–.03**	**117.81E–.02**	**25–7**	**4.9b,3.9s**	**125**	**2-145**
IDC	VIII	07 03 46 17.9–.59	8.10S	117.76E	0	4.6,4.5		¶11159779
ISCJB	VIII	07 03 46 20.6–.90	8.17S–.03	117.80E–.02	30–7	4.9b,3.9s		
NEIC	VIII	07 03 46 22.7–2.0	8.17S	117.81E	33–15	5.0b,3.9s		
DJA	VIII	07 03 46 23	8.29S	117.59E	10	5.0b,3.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=24.2km s-min=11.5km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.7km az=6.0.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=4.5km az=56.0. Felt [III] at Pekat.

(9) Fox Islands

ISC	**VIII**	**07 07 27 41.8–.48**	**53.49N–.02**	**167.45W–.02**	**26–3**	**5.0b,4.5s**	**917**	**0-153**
IDC	VIII	07 07 27 39.2–2.5	53.46N	167.55W	10–14	4.6,4.6		¶13391060
ISCJB	VIII	07 07 27 40.8–.47	53.50N–.02	167.43W–.02	32–3	5.0b,4.5s		
BJI	VIII	07 07 27 40.7	53.89N	166.77W	45	5.0b,4.9s		
MOS	VIII	07 07 27 41.2–.99	53.53N	167.39W	33	5.2b,4.5s		
GCMT	VIII	07 07 27 41.7–.20	53.24N	167.28W	17–0	5.2W,4.5s		
NEIC	VIII	07 07 27 42.4–.69	53.49N	167.47W	32–4	5.3L,5.1b		
DJA	VIII	07 07 27 47	53.29N	169.00W	30	5.5b,5.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.8km s-min=9.9km az=177.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.2km az=4.5.
MOS Error ellipse: s-maj=7.3km s-min=5.3km az=78.1.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s63,c92; s82,c139; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.40±.20 $M_{\theta\theta}$-0.22±.16; $M_{\phi\phi}$6.62±.14; $M_{r\theta}$0.74±.41; $M_{\theta\phi}$1.31±.11; $M_{\phi r}$-0.17±.31; Best double couple: NP1:ϕ_s198.00000°,δ45.00000°,λ-80.00000°. NP2:ϕ_s3.00000°,δ46.00000°,λ-100.00000°. Principal axes: T 6.8600,Plg0.0000° ,Azm100.0000°; N -0.3700,Plg7.0000°,Azm10.0000°; P -6.5000,Plg83.0000°,Azm192.0000° $M_0$6.70000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=2.6km az=180.0. Felt at Dutch Harbor.

(307) Sichuan

ISC	**VIII**	**07 08 15 34.7–.68**	**32.11N–.02**	**104.63E–.02**	**9–4**	**5.1b,4.6s**	**720**	**1-163**
IDC	VIII	07 08 15 32.7–.45	32.11N	104.74E	0	5.0b,5.0		¶13391062
NEIC	VIII	07 08 15 34.8–.10	32.14N	104.64E	10	5.1b,5.0		
ISCJB	VIII	07 08 15 34.3–.12	32.08N–.02	104.57E–.02	17	5.1b,4.6s		
BJI	VIII	07 08 15 34.1	32.12N	104.73E	15	5.1L,5.0s		
SZGRF	VIII	07 08 15 35.2	32.00N	104.41E	33	5.4b,5.0s		
MOS	VIII	07 08 15 36.3–.84	32.11N	104.67E	33	5.4b,4.6s		
GCMT	VIII	07 08 15 38.7–.30	32.02N	104.75E	21–0	4.9W,4.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=12.0km az=46.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.4km az=208.0. Felt at Chengdu.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.4km az=175.5.
SZGRF Sichuan, China.
MOS Error ellipse: s-maj=6.5km s-min=3.6km az=118.6.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s31,c42; s56,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}3.21±.18 $M_{\theta\theta}$-2.00±.12; $M_{\phi\phi}$-1.21±.12; $M_{r\theta}$-0.15±.20; $M_{\theta\phi}$-1.57±.07; $M_{\phi r}$-0.10±.24; Best double couple: NP1:ϕ_s52.00000°,δ43.00000°,λ90.00000°. NP2:ϕ_s232.00000°,δ47.00000°,λ90.00000°. Principal axes: T 3.2200,Plg88.0000° ,Azm150.0000°; N 0.0100,Plg0.0000°,Azm52.0000°; P -3.2300,Plg2.0000°,Azm322.0000° $M_0$3.20000×10^{16}

(238) Ryukyu Islands

ISC	**VIII**	**07 13 15 59.4–.78**	**28.53N–.05**	**129.54E–.08**	**19–7**	**3.7b**	**29**	**0-78**
ISCJB	VIII	07 13 15 58.9–.54	28.52N–.05	129.55E–.07	27–6	3.7b		¶11907887
NEIC	VIII	07 13 15 59.1	28.52N	129.51E	21	4.0b		
JMA	VIII	07 13 15 59.1	28.52N	129.51E	21–1	4.0		
IDC	VIII	07 13 16 10.2–4.1	28.61N	129.62E	118–35	3.5,3.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=5.9km az=37.1.
NEIC Event type se. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=33.2km s-min=21.9km az=68.0.

(7) Andreanof Islands

ISC	**VIII**	**07 18 30 02.0–.64**	**52.25N–.02**	**175.60W–.02**	**2–3**	**5.5b,5.5s**	**1490**	**0-161**
BGS	VIII	07 18 29 53.2–1.7	51.49N	176.41W	13–0	5.5s,5.4b		¶13391089
BJI	VIII	07 18 30 00.2	52.64N	175.64W	6	5.9s,5.5b		
ISCJB	VIII	07 18 30 00.3–.59	52.22N–.02	175.57W–.02	2–3	5.5b,5.5s		
NEIC	VIII	07 18 30 03.1–.15	52.19N	175.65W	12	5.9L,5.9		
IDC	VIII	07 18 30 04.0–1.6	52.34N	175.75W	17–9	5.5,5.5		
DJA	VIII	07 18 30 04	52.41N	175.05W	10	6.1W,5.5		
MOS	VIII	07 18 30 04.6–1.2	52.30N	175.63W	33	5.8b,5.5s		
GCMT	VIII	07 18 30 08.9–.10	52.22N	175.63W	12	5.8W,5.5s		
SZGRF	VIII	07 18 30 10.7	52.87N	174.77W	33	5.8b,5.6s		

ISC Event type fe.
BGS Error ellipse: s-maj=202.7km s-min=676.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.9km az=3.8.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=187.0. Felt at Unalaska. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s75.00000°,δ70.00000°,λ-90.00000°. NP2:ϕ_s255.00000°,δ20.00000°,λ-90.00000°. Principal axes: T Plg25.0000°,Azm165.0000°; N Plg0.0000°,Azm0.0000°; P Plg65.0000° ,Azm345.0000° Moment Tensor Solution. s147 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.82 $M_{\theta\theta}$4.68 $M_{\phi\phi}$-0.86 $M_{r\theta}$1.45 $M_{\theta\phi}$-3.53 $M_{\phi r}$-0.67 Best double couple: NP1:ϕ_s117.00000° ,δ36.00000°,λ-88.00000°. NP2:ϕ_s295.00000°,δ54.00000°,λ-91.00000°. Principal axes: T 6.6400,Plg8.0000°,Azm25.0000°; N -2.5800,Plg1.0000°,Azm295.0000° ; P -4.0600,Plg81.0000°,Azm198.0000° $M_0$5.80000×10^{17}
IDC Error ellipse: s-maj=12.8km s-min=7.4km az=158.0.
MOS Error ellipse: s-maj=8.7km s-min=7.5km az=147.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 90, comp=182, per= 50. Moment Tensor Solution. s74,c135; s50,c67; Moment tensor: Scale 10^{17}Nm; M_{rr}-4.07±.08 $M_{\theta\theta}$6.42±.08; $M_{\phi\phi}$-2.34±.09; $M_{r\theta}$1.71±.22; $M_{\theta\phi}$-4.89±.08; $M_{\phi r}$-1.79±.25; Best double couple: NP1:ϕ_s75.00000°,δ53.00000°,λ-153.00000°. NP2:ϕ_s328.00000°,δ69.00000°,λ-41.00000°. Principal axes: T 9.0100,Plg10.0000°,Azm25.0000°; N -3.5800,Plg45.0000°,Azm125.0000° ; P -5.4200,Plg43.0000°,Azm285.0000° $M_0$7.20000×10^{17}
SZGRF Andreanof Islands, Aleutian Islands, United States.

(232) Western Honshu

ISC	**VIII**	**07 19 35 16.1–.37**	**35.43N–.03**	**135.86E–.02**	**9–3**	**3.4b**	**34**	**0-80**
NIED	VIII	07 19 35 00	35.40N	135.90E	14	3.8W		¶11159939
ISCJB	VIII	07 19 35 15.6–.52	35.42N–.03	135.88E–.03	11–4	3.4b		
IDC	VIII	07 19 35 15.3–1.1	35.45N	135.87E	0	3.7,3.6L		
JMA	VIII	07 19 35 16.2	35.42N	135.86E	15–1	4.2,3.6L		

NEIC VIII 07 19 35 18.3–6.4 35.67N 135.77E 21–46 4.2,3.6L
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ65.00000°,λ144.00000°. NP2:ϕ_s309.00000°,δ58.00000°,λ31.00000°. $M_0$6.01000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.4km az=158.0.
IDC Error ellipse: s-maj=23.3km s-min=13.9km az=167.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s178.00000°,δ38.00000°,λ148.00000°. NP2:ϕ_s295.00000°,δ71.00000°,λ57.00000°. Principal axes: T Plg52.0000°,Azm166.0000°; N Plg31.0000°,Azm307.0000°; P Plg19.0000° ,Azm49.0000°
NEIC Event type fe. Error ellipse: s-maj=24.5km s-min=22.2km az=144.0. Recorded [3 JMA] in Fukui and Shiga and [1 JMA] in Aichi, Gifu, Hyogo, Kyoto, Mie, Nara and Osaka.

(460) Wyoming

ISC	**VIII**	**07 20 13 39.4–.40**	**43.81N–.04**	**105.30W–.05**	**0**	**4.2b**	**50**	**1-90**
ISCJB	VIII	07 20 13 37.9–.43	43.77N–.04	105.31W–.05	0	4.2b		**¶11907926**
NEIC	VIII	07 20 13 39.4–.41	43.81N	105.32W	0	3.3L		
IDC	VIII	07 20 13 39.4–.97	43.86N	105.52W	0	4.1b,4.0		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.5km s-min=5.4km az=5.5.
NEIC Event type fm. Error ellipse: s-maj=5.5km s-min=5.2km az=186.0. 55 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.3km s-min=13.1km az=123.0.

(74) Near coast of Nicaragua

ISC	**VIII**	**07 23 41 28.3–.15**	**12.59N–.03**	**87.71W–.02**	**67**	**4.8b**	**607**	**1-148**
BJI	VIII	07 23 41 25.6	12.60N	87.70W	64	5.2s,5.2b		**¶11159965**
ISCJB	VIII	07 23 41 26.5–.15	12.58N–.03	87.76W–.02	65	4.8b,5.2b		
IDC	VIII	07 23 41 27.0–.68	12.78N	87.38W	64–5	4.5,4.4		
CASC	VIII	07 23 41 27.8–2.3	12.51N	87.80W	34–13	5.2L,4.9b		
NEIC	VIII	07 23 41 27.6–.25	12.57N	87.72W	65	5.6,4.9b		
GCMT	VIII	07 23 41 28.9–.20	12.47N	87.89W	72–3	5.1W,4.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=1.7km az=32.6.
IDC Error ellipse: s-maj=20.8km s-min=8.1km az=55.0.
CASC Error ellipse: s-maj=5.9km s-min=4.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.6km az=210.0. Felt at Managua. Felt [III] at San Salvador, El Salvador.
GCMT Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s33,c43; s74,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}2.56±.21 $M_{\theta\theta}$-1.72±.18; $M_{\phi\phi}$-0.84±.21; $M_{r\theta}$2.08±.10; $M_{\theta\phi}$2.19±.16; $M_{\phi r}$-3.80±.11; Best double couple: NP1:ϕ_s285.00000°,δ22.00000°,λ48.00000°. NP2:ϕ_s149.00000°,δ74.00000°,λ105.00000°. Principal axes: T 5.0800,Plg59.0000° ,Azm79.0000°; N 0.5200,Plg15.0000°,Azm324.0000°; P -5.5900,Plg27.0000°,Azm227.0000° $M_0$5.30000×10^{16}

(230) Near south coast of eastern Honshu

ISC	**VIII**	**08 03 57 09.7–.38**	**35.60N–.02**	**139.43E–.03**	**32–2**	**4.4b,4.0s**	**359**	**0-153**
NIED	VIII	08 03 57 00	35.70N	139.50E	38	4.6W,4.0s		**¶13391112**
MOS	VIII	08 03 57 07.7–1.1	35.67N	139.52E	33	4.6b,4.0s		
IDC	VIII	08 03 57 07.5–.59	35.55N	139.48E	26–3	4.3,4.3L		
ISCJB	VIII	08 03 57 09.2–.30	35.62N–.02	139.44E–.03	40–2	4.4b,4.0s		
JMA	VIII	08 03 57 09.1–.10	35.63N	139.54E	30–1	4.6,4.0s		
BJI	VIII	08 03 57 14.1	36.05N	139.51E	78	4.8b,4.7b		
NEIC	VIII	08 03 57 15.1–1.1	36.02N	139.35E	68–6	4.4b,4.7b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s70.00000°,δ85.00000°,λ83.00000°. NP2:ϕ_s302.00000°,δ8.00000°,λ142.00000°. $M_0$9.46000×10^{15}
MOS Error ellipse: s-maj=9.9km s-min=5.9km az=107.8.
IDC Error ellipse: s-maj=14.0km s-min=9.8km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=4.0km az=10.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s270.00000°,δ22.00000°,λ94.00000°. NP2: ϕ_s86.00000°,δ68.00000°,λ88.00000°. Principal axes: T Plg67.0000°,Azm353.0000° ; N Plg1.0000°,Azm86.0000°; P Plg23.0000°,Azm177.0000°
NEIC Event type fe. Error ellipse: s-maj=15.6km s-min=4.5km az=176.0. Felt at Tokyo. Recorded [4 JMA] in Kanagawa and Tokyo; [3 JMA] in Saitama; [2 JMA] in Chiba, Gumma, Ibaraki, Nagano, Shizuoka, Tochigi and Yamanashi.

(274) Southern Sumatera

ISC	**VIII**	**08 06 37 42.8–.14**	**4.05S–.02**	**100.96E–.02**	**31**	**5.5s,5.5b**	**552**	**2-176**
SZGRF	VIII	08 06 37 34.4	4.41S	103.33E	33	5.4b,5.3s		**¶11159985**
BJI	VIII	08 06 37 34.4	4.78S	100.98E	32	5.9s,5.9b		
IDC	VIII	08 06 37 37.3–.40	4.01S	101.09E	0	5.4,5.4s		
ISCJB	VIII	08 06 37 40.7–.15	4.05S–.02	100.97E–.02	29	5.5s,5.5b		
DJA	VIII	08 06 37 40	4.09S	100.86E	13	5.8W,5.5b		
NEIC	VIII	08 06 37 41.9–.15	3.94S	101.08E	23	5.8W,5.6W		
MOS	VIII	08 06 37 42.5–1.5	3.76S	101.08E	33	5.8b,5.4s		
GCMT	VIII	08 06 37 43.4–.10	4.29S	100.75E	16	5.8W,5.4s		

ISC Event type fe.
SZGRF Southern Sumatera, Indonesia.
IDC Error ellipse: s-maj=15.4km s-min=10.0km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=35.3.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.6km az=47.0. Felt [II] at Kapahiang. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s52 Moment tensor: Scale 10^{17}Nm; M_{rr}2.25 $M_{\theta\theta}$-2.09 $M_{\phi\phi}$-0.16 $M_{r\theta}$1.91 $M_{\theta\phi}$0.93 $M_{\phi r}$-0.79 Best double couple: NP1:ϕ_s291.00000° ,δ24.00000°,λ89.00000°. NP2:ϕ_s112.00000°,δ66.00000°,λ90.00000°. Principal axes: T 3.0300,Plg69.0000°,Azm22.0000°; N 0.2100,Plg0.0000°,Azm292.0000° ; P -3.2400,Plg20.0000°,Azm202.0000° $M_0$3.10000×10^{17}
MOS Error ellipse: s-maj=8.3km s-min=4.4km az=112.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 80, comp=126, per= 50. Moment Tensor Solution. s86,c152; s21,c21; Moment tensor: Scale 10^{17}Nm; M_{rr}1.78±.04 $M_{\theta\theta}$-0.93±.03; $M_{\phi\phi}$-0.85±.04; $M_{r\theta}$5.13±.11; $M_{\theta\phi}$0.97±.03; $M_{\phi r}$-3.36±.11; Best double couple: NP1:ϕ_s324.00000°,δ9.00000°,λ110.00000°. NP2:ϕ_s124.00000°,δ82.00000°,λ87.00000°. Principal axes: T 6.3900,Plg53.0000°,Azm30.0000°; N 0.0200,Plg3.0000°,Azm124.0000° ; P -6.4100,Plg37.0000°,Azm216.0000° $M_0$6.40000×10^{17}

(274) Southern Sumatera

ISC	**VIII**	**08 07 32 52.5–.22**	**3.99S–.03**	**100.88E–.03**	**30**	**5.2b,5.0s**	**291**	**2-150**
IDC	VIII	08 07 32 47.8–.54	3.89S	101.00E	0	4.8,4.8b		**¶11159986**
ISCJB	VIII	08 07 32 50.3–.22	3.99S–.03	100.85E–.03	28	5.2b,5.0s		
BJI	VIII	08 07 32 50.7	4.36S	100.92E	63	5.5b,5.4s		
DJA	VIII	08 07 32 50	4.10S	100.61E	21	5.4b,5.4s		
MOS	VIII	08 07 32 51.2–1.0	3.83S	101.01E	33	5.5b,5.2s		
NEIC	VIII	08 07 32 53.4–1.2	3.91S	100.99E	36–10	5.2b,5.2s		
GCMT	VIII	08 07 32 55.0–.20	4.32S	100.50E	31–1	5.3W,5.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.4km s-min=13.1km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.9km az=41.1.
MOS Error ellipse: s-maj=12.0km s-min=6.0km az=106.7.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=5.6km az=45.0. Felt [II] at Bengkulu, Sumatra.
GCMT Event type se. Data Used: IU IC II CN G. Moment Tensor Solution. s56,c82; s60,c89; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s327.00000°,δ23.00000°,λ101.00000°. NP2:ϕ_s135.00000° ,δ68.00000°,λ85.00000°. Principal axes: T 0.9600,Plg67.0000°,Azm36.0000° ; N 0.0800,Plg4.0000°,Azm136.0000°; P -1.0400,Plg23.0000°,Azm228.0000° $M_0$1.00000×10^{17}

(274) Southern Sumatera

ISC	**VIII**	**08 07 57 46.2–.45**	**4.68S–.04**	**102.73E–.04**	**70–3**	**4.8b**	**140**	**0-151**
IDC	VIII	08 07 57 37.4–.73	4.53S	102.69E	0	4.7b,4.7		**¶11159987**
MOS	VIII	08 07 57 39.1–1.1	4.52S	102.65E	22	5.0b,4.7		
BJI	VIII	08 07 57 40.2	4.60S	102.70E	35	5.2b,4.9b		
NEIC	VIII	08 07 57 42.6–.25	4.56S	102.70E	35	4.9b,4.9b		
ISCJB	VIII	08 07 57 44.8–.49	4.69S–.05	102.71E–.04	77–3	4.8b,4.9b		
DJA	VIII	08 07 57 46	4.63S	102.76E	50	5.0,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=28.7km s-min=13.1km az=49.0.
MOS Error ellipse: s-maj=13.9km s-min=7.5km az=110.4.
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=5.5km az=58.0. Felt [III] at Manna.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=3.7km az=40.8.

(76) Off coast of central America

ISC	**VIII**	**08 10 58 03.2–.29**	**12.96N–.04**	**88.62W–.03**	**59–2**	**4.3b,3.6s**	**264**	**1-148**
ISCJB	VIII	08 10 58 01.9–.30	12.92N–.04	88.65W–.03	67–2	4.3b,3.6s		**¶11159994**
CASC	VIII	08 10 58 02.5–2.5	12.87N	88.69W	44–47	4.4b,4.3		
BJI	VIII	08 10 58 03.4	12.90N	88.60W	85	4.8s,4.8b		
IDC	VIII	08 10 58 03.9–1.5	13.09N	88.49W	78–14	4.0,3.9		
NEIC	VIII	08 10 58 04.4–.96	12.87N	88.58W	85–8	4.5,4.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=2.6km az=36.9.
CASC Error ellipse: s-maj=9.7km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=25.9km s-min=9.1km az=50.0.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=6.3km az=47.0. Felt [II] at Usulutan.

(224) Hokkaido region

ISC	**VIII**	**08 15 53 12.5–.08**	**41.18N–.02**	**142.15E–.02**	**60**	**5.3b,4.9s**	**1160**	**1-161**
NIED	VIII	08 15 53 00	41.10N	142.30E	47	5.4W,4.9s		**¶11160007**
BJI	VIII	08 15 53 04.5	41.02N	142.62E	37	5.3b,5.2b		
NEIC	VIII	08 15 53 09.9–.12	41.17N	142.19E	39	5.4b,5.4W		
ISCJB	VIII	08 15 53 10.8–.08	41.19N–.02	142.16E–.02	58	5.3b,4.9s		
MOS	VIII	08 15 53 10.5–.79	41.27N	142.20E	60	5.6b,4.8s		
JMA	VIII	08 15 53 10.8–.10	41.14N	142.28E	51–3	5.4,4.8s		
GCMT	VIII	08 15 53 12.9–.10	41.17N	142.49E	56–0	5.4W,4.8s		
IDC	VIII	08 15 53 12.4–.56	41.25N	142.16E	62–4	4.8s,4.8		
SZGRF	VIII	08 15 53 13.9	42.20N	143.10E	33	5.4b,5.1s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ70.00000°,λ96.00000°. NP2:ϕ_s186.00000°,δ21.00000°,λ73.00000°. $M_0$1.30000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.5km az=161.0. Felt at Misawa, Honshu. Recorded [3 JMA] in southwestern Hokkaido. Also recorded [3 JMA] in Aomori and [2 JMA] in Iwate and [1 JMA] in Miyagi, Honshu. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-0.86 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.02 $M_{\phi r}$1.10 Best double couple: NP1: ϕ_s22.00000°,δ72.00000°,λ100.00000°. NP2:ϕ_s171.00000°,δ20.00000°,λ61.00000°. Principal axes: T 1.6600,Plg61.0000°,Azm307.0000°; N -0.2300,Plg9.0000°,Azm199.0000° ; P -1.4300,Plg26.0000°,Azm104.0000° $M_0$1.60000×10^{17} Moment Tensor Solution. $M_0$1.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=154.1.
MOS Error ellipse: s-maj=8.1km s-min=5.6km az=81.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s188.00000°,δ18.00000°,λ76.00000°. NP2: ϕ_s22.00000°,δ73.00000°,λ94.00000°. Principal axes: T Plg62.0000°,Azm299.0000° ; N Plg4.0000°,Azm201.0000°; P Plg28.0000°,Azm109.0000°
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 96, comp=199, per= 50. Moment Tensor Solution. s83,c161; s13,c15; Moment tensor: Scale 10^{17}Nm; M_{rr}1.39±.03 $M_{\theta\theta}$0.05±.03; $M_{\phi\phi}$-1.44±.03; $M_{r\theta}$0.45±.02; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$0.70±.02; Best double couple: NP1:ϕ_s184.00000°,δ32.00000°,λ73.00000°. NP2:ϕ_s24.00000°,δ60.00000°,λ100.00000°. Principal axes: T 1.6300,Plg73.0000°,Azm319.0000°; N 0.1100,Plg9.0000°,Azm198.0000° ; P -1.7400,Plg14.0000°,Azm106.0000° $M_0$1.70000×10^{17}
IDC Error ellipse: s-maj=10.4km s-min=8.9km az=101.0.
SZGRF Hokkaido, Japan, region.

(162) South Island

WEL	**VIII**	**08 17 43 30.2–.28**	**45.00S**	**167.52E**	**80–2**	**4.4L**		
NEIC	VIII	08 17 43 29.6	45.00S	167.47E	86	4.5L		**¶11325770**

WEL Event type fe. Error ellipse: s-maj=2.3km s-min=1.3km az=90.0. Felt from Canterbury to Southland, maximum reported intensity MM 5.
NEIC Event type se. After WEL.

(285) Sumbawa region

ISC	**VIII**	**08 20 40 43.4–.32**	**9.12S–.04**	**118.97E–.02**	**114–3**	**4.6b**	**154**	**1-154**
BJI	VIII	08 20 40 37.9	9.00S	119.00E	80	4.9b,4.8b		**¶11160011**
NEIC	VIII	08 20 40 41.7–.36	8.98S	119.00E	100	4.5b,4.8b		
ISCJB	VIII	08 20 40 42.1–.34	9.14S–.03	118.97E–.02	122–3	4.6b,4.8b		
IDC	VIII	08 20 40 42.3–.70	8.90S	118.96E	96–6	4.3,4.2		
DJA	VIII	08 20 40 43	9.23S	118.97E	80	5.0b,4.2		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=15.7km s-min=7.4km az=56.0. Felt [III] at Raba, Sumbawa.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.6km az=9.6.
IDC Error ellipse: s-maj=24.1km s-min=9.7km az=57.0.

(285) Sumbawa region

ISC	**VIII**	**09 00 01 59.2–.52**	**8.22S–.04**	**117.73E–.03**	**36–5**	**4.8b,4.0s**	**118**	**2-155**
IDC	VIII	09 00 01 53.4–.53	8.13S	117.66E	0	4.7,4.7b		**¶11160916**
ISCJB	VIII	09 00 01 55.1–1.2	8.16S–.04	117.75E–.04	20–8	4.8b,4.0s		
DJA	VIII	09 00 01 57	8.10S	117.80E	18	4.9b,4.0s		
NEIC	VIII	09 00 01 59.0–.95	8.17S	117.72E	39–9	4.8b,4.0s		
BJI	VIII	09 00 01 58.4	8.20S	117.70E	38	4.9b,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=24.6km s-min=10.9km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.6km az=36.1.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=5.4km az=59.0. Felt [II] at Sumbawa Besar.

(224) Hokkaido region

ISC	**VIII**	**09 00 54 36.6–.26**	**42.01N–.03**	**142.48E–.03**	**62–2**	**4.7b**	**397**	**0-148**
NIED	VIII	09 00 54 00	42.00N	142.50E	56	4.5W		**¶13391199**
MOS	VIII	09 00 54 34.9–.81	42.11N	142.40E	57	5.0b		
BJI	VIII	09 00 54 34.2	41.95N	142.42E	60	4.8b,4.8b		
JMA	VIII	09 00 54 35.7–.10	41.97N	142.54E	65–2	4.5,4.8b		
ISCJB	VIII	09 00 54 35.5–.26	42.00N–.03	142.46E–.03	67–1	4.6b,4.8b		
NEIC	VIII	09 00 54 36.1–.60	42.12N	142.41E	55–6	4.7b,4.4W		
IDC	VIII	09 00 54 37.5–.76	42.04N	142.53E	72–5	4.4,4.3		
SZGRF	VIII	09 00 54 41.0	43.05N	141.83E	33	4.8b,4.3		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ68.00000°,λ85.00000°. NP2:ϕ_s221.00000°,δ22.00000°,λ102.00000°. $M_0$5.72000×10^{15}
MOS Error ellipse: s-maj=8.4km s-min=4.5km az=110.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=147.1.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=3.7km az=166.0. Recorded [2 JMA] in southwestern Hokkaido. Also recorded [2 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$5.70000×10^{15}
IDC Error ellipse: s-maj=12.5km s-min=8.2km az=106.0.
SZGRF Hokkaido, Japan, region.

(139) Mendoza Province

ISC	**VIII**	**09 04 24 59.4–.59**	**33.42S–.06**	**68.21W–.04**	**10**	**3.5b**	**55**	**2-81**
ISCJB	VIII	09 04 24 58.0–.60	33.44S–.06	68.16W–.04	10	3.5b		**¶11907979**
NEIC	VIII	09 04 24 58.2–3.4	33.39S	68.22W	1–25	4.2,3.9b		
GUC	VIII	09 04 24 59.8–.73	33.51S	68.24W	22–4	4.2,4.1L		
IDC	VIII	09 04 25 00.1–1.3	33.32S	67.96W	0	4.0L,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.3km az=164.6.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=5.7km az=154.0. Felt [III] at Mendoza.
GUC Error ellipse: s-maj=6.7km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=34.0km s-min=13.7km az=89.0.

(238) Ryukyu Islands

ISC	**VIII**	**09 11 54 20.2–.60**	**26.50N–.02**	**128.58E–.02**	**27–4**	**5.0s,4.9b**	**414**	**0-107**
NIED	VIII	09 11 54 00	26.50N	128.90E	20	5.2W,4.9b		**¶11160937**
IDC	VIII	09 11 54 15.3–.63	26.65N	128.60E	0	4.7,4.7s		
BJI	VIII	09 11 54 16.3	26.35N	128.84E	35	5.1s,4.9b		
JMA	VIII	09 11 54 16.6–.20	26.49N	128.88E	17–2	5.2,4.9b		
ISCJB	VIII	09 11 54 17.8–.63	26.51N–.02	128.64E–.03	23–4	5.0s,4.9b		
NEIC	VIII	09 11 54 19.7–.96	26.49N	128.52E	25–6	5.1W,5.0b		
MOS	VIII	09 11 54 19.5–1.4	26.59N	128.60E	33	5.2s,5.1b		
GCMT	VIII	09 11 54 22.3–.20	26.44N	128.77E	25	5.2W,5.1b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ70.00000°,λ100.00000°. NP2:ϕ_s201.00000°,δ22.00000°,λ65.00000°. $M_0$5.98000×10^{16}
IDC Error ellipse: s-maj=18.3km s-min=15.8km az=52.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=139.4.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=5.7km az=159.0. Felt on Okinawa. Recorded [2 JMA] in the Iheya-retto and on Okinawa and Yoron-jima. Moment Tensor Solution. $M_0$6.00000×10^{16}
MOS Error ellipse: s-maj=8.7km s-min=4.9km az=112.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c70; s74,c128; Moment tensor: Scale 10^{16}Nm; M_{rr}3.39±.15 $M_{\theta\theta}$-1.30±.11; $M_{\phi\phi}$-2.10±.12; $M_{r\theta}$5.42±.24; $M_{\theta\phi}$-2.42±.08; $M_{\phi r}$5.18±.24; Best double couple: NP1:ϕ_s212.00000°,δ14.00000°,λ76.00000°. NP2:ϕ_s46.00000°,δ77.00000°,λ93.00000°. Principal axes: T 8.0400,Plg58.0000° ,Azm320.0000°; N 0.7100,Plg3.0000°,Azm225.0000°; P -8.7600,Plg32.0000°,Azm133.0000° $M_0$8.40000×10^{16}

(703) Andaman Islands region

ISC	**VIII**	**10 08 20 34.7–.56**	**11.02N–.02**	**91.83E–.01**	**29–4**	**6.1s,5.7b**	**1288**	**1-170**
BJI	VIII	10 08 20 29.4	10.99N	91.77E	11	6.3s,6.1		**¶13391318**
ISCJB	VIII	10 08 20 30.6–.57	11.05N–.02	91.84E–.02	13–3	6.1s,5.7b		
IDC	VIII	10 08 20 30.1–.35	11.05N	91.87E	0	5.9s,5.9		
TEH	VIII	10 08 20 32.0	11.07N	91.84E	10	5.9s,5.9		
SZGRF	VIII	10 08 20 33.0	10.69N	92.14E	33	6.1s,5.5b		
NEIC	VIII	10 08 20 33.4–.09	11.06N	91.81E	20	6.9,6.2W		
DJA	VIII	10 08 20 34	11.05N	91.93E	20	6.3W,6.2W		
MOS	VIII	10 08 20 34.8–.78	11.19N	91.96E	33	6.0s,5.9b		
GCMT	VIII	10 08 20 37.4–.10	10.96N	91.83E	16–0	6.1W,5.9b		
BGS	VIII	10 08 20 50.9–1.5	13.92N	89.27E	10–0	6.1s,5.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.1km az=26.9.
IDC Error ellipse: s-maj=12.1km s-min=10.3km az=48.0.
SZGRF Andaman Islands, India, region.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.6km az=25.0. Felt [IV] at Port Blair. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s135.00000°,δ85.00000°,λ-175.00000°. NP2:ϕ_s45.00000°,δ85.00000°,λ-5.00000°. Principal axes: T Plg0.0000°,Azm90.0000°; N Plg0.0000°,Azm0.0000°; P Plg7.0000° ,Azm360.0000° Moment Tensor Solution. s68 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.42 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$2.40 $M_{r\theta}$0.15 $M_{\theta\phi}$0.40 $M_{\phi r}$-0.13 Best double couple: NP1:ϕ_s230.00000° ,δ84.00000°,λ-2.00000°. NP2:ϕ_s320.00000°,δ88.00000°,λ-174.00000°. Principal axes: T 2.4400,Plg2.0000°,Azm95.0000°; N -0.4100,Plg83.0000°,Azm342.0000° ; P -2.0300,Plg5.0000°,Azm185.0000° M_o2.30000×10^{18}
MOS Error ellipse: s-maj=9.7km s-min=3.8km az=129.3.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=244, per= 50. Moment Tensor Solution. s109,c241; s86,c138; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.58±.01 $M_{\theta\theta}$-1.76±.01; $M_{\phi\phi}$2.34±.02; $M_{r\theta}$-0.32±.04; $M_{\theta\phi}$0.29±.01; $M_{\phi r}$0.25±.04; Best double couple: NP1:ϕ_s48.00000°,δ76.00000°,λ-7.00000°. NP2:ϕ_s140.00000°,δ83.00000°,λ-166.00000°. Principal axes: T 2.3800,Plg4.0000°,Azm274.0000°; N -0.5100,Plg75.0000°,Azm168.0000° ; P -1.8700,Plg15.0000°,Azm5.0000° M_o2.10000×10^{18}
BGS Error ellipse: s-maj=416.8km s-min=326.2km az=-1.0.

(218) Near east coast of Kamchatka Peninsula

ISC	**VIII**	**10 14 28 30.4–.45**	**51.48N–.06**	**157.21E–.10**	**111–3**	**3.8b**	**60**	**1-89**
ISCJB	VIII	10 14 28 29.3–.46	51.47N–.06	157.22E–.10	116–3	3.8b		**¶11652874**
MOS	VIII	10 14 28 29.3–.89	51.54N	157.12E	115	4.0b		
NEIC	VIII	10 14 28 30.2–.57	51.61N	157.16E	106	4.3b		
IDC	VIII	10 14 28 30.5–.97	51.66N	157.18E	108–7	3.8,3.7		
KRSC	VIII	10 14 28 31.3–.60	51.38N	157.67E	60–50	4.3L,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=4.6km az=43.3.
MOS Event type fe. Error ellipse: s-maj=17.2km s-min=8.6km az=68.9. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.1km az=154.0.
IDC Error ellipse: s-maj=20.3km s-min=12.2km az=160.0.
KRSC Event type se.

(99) Northern Colombia

ISC	**VIII**	**10 18 40 14.7–.32**	**6.79N–.03**	**72.87W–.03**	**166–3**	**4.5b**	**509**	**1-154**
ISCJB	VIII	10 18 40 13.8–.32	6.79N–.03	72.87W–.03	175–3	4.5b		**¶11813187**
NEIC	VIII	10 18 40 14.4–.43	6.74N	72.91W	166–4	4.6b		
IDC	VIII	10 18 40 15.1–1.1	6.72N	72.97W	170–10	4.2,4.0b		
FUNV	VIII	10 18 40 16.5	6.91N	73.01W	164	5.0W,4.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.4km az=158.1.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=4.1km az=64.0. Felt at Bogota.
IDC Error ellipse: s-maj=15.1km s-min=10.1km az=71.0.

(232) Western Honshu

JMA	**VIII**	**11 06 56 39.8**	**35.94N**	**136.35E**	**7–1**	**3.3**		**¶13518250**

JMA Event type fe.

(97) Near coast of Venezuela

ISC	**VIII**	**11 07 19 26.4–.10**	**10.47N–.02**	**64.18W–.01**	**10**	**5.0b,4.4s**	**1019**	**1-158**
LDG	VIII	11 07 19 23.6–.26	10.59N	64.29W	10–0	5.2b,4.2s		**¶11163352**
ISCJB	VIII	11 07 19 24.9–.10	10.53N–.02	64.21W–.01	10	5.0b,4.4s		
IDC	VIII	11 07 19 24.8–.38	10.43N	64.08W	0	4.8,4.8		
NEIC	VIII	11 07 19 26.4	10.51N	64.17W	13	5.2W,5.1b		
FUNV	VIII	11 07 19 26.4	10.52N	64.17W	14	5.2W,5.1b		
TRN	VIII	11 07 19 26.2	10.52N	64.23W	24	5.1,5.1b		
BJI	VIII	11 07 19 26.4	10.50N	64.20W	23	5.2b,5.0s		
GCMT	VIII	11 07 19 30.8–.20	10.61N	64.17W	15–1	5.2W,5.0s		
SZGRF	VIII	11 07 19 30.1	10.35N	64.33W	33	5.2b,5.0s		

ISC Event type de.
LDG Event type ke. Error ellipse: s-maj=23.7km s-min=5.7km az=110.0.
ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=1.4km az=174.7.
IDC Error ellipse: s-maj=11.8km s-min=6.6km az=144.0.
NEIC Event type de. About 50 buildings slightly damaged in eastern Venezuela. Felt at Cariaco, Cumana, El Morro de Barcelona, Puerto La Cruz and by people in tall buildings at Caracas. After CAR.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s52,c70; s84,c146; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.72±.15 $M_{\theta\theta}$0.23±.14; $M_{\phi\phi}$0.49±.16; $M_{r\theta}$0.82±.41; $M_{\theta\phi}$-6.72±.14; $M_{\phi r}$-2.54±.56; Best double couple: NP1:ϕ_s90.00000°,δ70.00000°,λ177.00000°. NP2:ϕ_s181.00000°,δ88.00000°,λ20.00000°. Principal axes: T 7.7600,Plg16.0000° ,Azm47.0000°; N -1.1400,Plg70.0000°,Azm187.0000°; P -6.6200,Plg12.0000° ,Azm313.0000° M_o7.20000×10^{16}
SZGRF Near coast of Venezuela.

(160) Off east coast of North Island

WEL	**VIII**	**12 01 40 45.2–.29**	**38.61S**	**178.43E**	**24–1**	**3.8L**		
NEIC	VIII	12 01 40 44.8	38.61S	178.47E	24	3.8L		**¶11325860**

WEL Event type fe. Error ellipse: s-maj=3.2km s-min=1.1km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Manutuke. After WEL.

(186) Vanuatu Islands

ISC	**VIII**	**12 02 10 18.4–2.6**	**17.7S–.10**	**168.0E–.20**	**38–23**	**4.2b,3.9s**	**18**	**5-149**
IDC	VIII	12 02 10 10.8–2.1	17.69S	168.29E	0	4.4,4.2		**¶11227193**
NOU	VIII	12 02 10 15.8–1.1	17.20S	166.88E	30–0	3.4L,3.3		
ISCJB	VIII	12 02 10 17.3–2.6	17.7S–.10	168.0E–.20	48–23	4.2b,3.9s		
NEIC	VIII	12 02 10 17.7–.63	17.59S	168.04E	35	4.5b,3.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=80.2km s-min=31.1km az=135.0.
NOU Error ellipse: s-maj=9.1km s-min=45.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=31.2km s-min=17.3km az=9.6.
NEIC Event type fe. Error ellipse: s-maj=25.9km s-min=13.6km az=119.0. Felt at Port-Vila.

(244) Taiwan

ISC	**VIII**	**12 03 28 11.9–.33**	**24.00N–.01**	**121.67E–.02**	**8–2**	**3.5b**	**118**	**0-49**
IDC	VIII	12 03 28 10.2–2.2	23.85N	121.67E	0	3.7,3.7		**¶11908102**
ISCJB	VIII	12 03 28 11.4–.37	24.00N–.01	121.67E–.02	4–2	3.5b,3.7		
NEIC	VIII	12 03 28 11.5	24.03N	121.59E	9	4.2L,3.7		
TAP	VIII	12 03 28 11.6	24.00N	121.61E	6–0	3.9L,3.7		

ISC Event type fe.
IDC Error ellipse: s-maj=169.8km s-min=26.7km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=1.7km az=18.9.
NEIC Event type fe. Recorded [4 TAP] in Hua-lien and [1 TAP] in I-lan and Nan-t'ou. After TAP.
TAP B.

(546) Austria

ISC	**VIII**	**12 17 25 46.1–.14**	**48.16N–.01**	**13.31E–.02**	**10**		**535**	**1-65**
ISCJB	VIII	12 17 25 45.3–.15	48.17N–.01	13.28E–.02	10			**¶11169814**
VIE	VIII	12 17 25 46.7–.36	48.22N	13.30E	10–0	3.7L,2.8b		
NEIC	VIII	12 17 25 46.3–.26	48.10N	13.28E	10	3.8L,3.4L		
ROM	VIII	12 17 25 47.9–.42	48.13N	13.31E	23–2	3.1,2.8L		
IPEC	VIII	12 17 25 47.8–.10	48.13N	13.20E	31–1	3.2L,2.8L		
CSEM	VIII	12 17 25 48.1–.16	48.15N	13.32E	26–1	3.5L,2.8L		
BGR	VIII	12 17 25 48.0–.24	48.12N	13.22E	10	3.4L,2.8L		
PRU	VIII	12 17 25 48.0	48.16N	13.38E	29	3.4L,2.8L		
LDG	VIII	12 17 25 49.5–.16	47.99N	13.31E	25–0	3.8L,2.8L		
STR	VIII	12 17 25 55.6–.44	48.24N	13.29E	10–0	3.4L,2.8L		
BNS	VIII	12 17 25 55.5–.36	48.49N	12.89E	15	3.5L,2.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.5km az=10.1.
VIE Event type fe. Error ellipse: s-maj=4.1km s-min=3.2km az=115.0. 14 km W of Ried im Innkreis . felt 4 ems98 in the region of Ried im Innkreis / UPPER AUSTRIA.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=3.3km az=179.0.
ROM Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=170.0.
IPEC Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=153.0.
BGR Event type fe. Error ellipse: s-maj=4.4km s-min=3.3km az=60.0. Felt.
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=2.2km az=25.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
BNS Event type ke.

(244) Taiwan

ISC	**VIII**	**12 19 23 31.4–.37**	**23.99N–.01**	**121.71E–.02**	**3–2**	**3.9b,3.7s**	**140**	**0-79**
NIED	VIII	12 19 23 00	24.30N	121.40E	5	4.7W,3.7s		**¶11230882**
ISCJB	VIII	12 19 23 30.5–.41	23.99N–.01	121.74E–.02	1–2	4.0b,3.7s		
IDC	VIII	12 19 23 30.8–1.1	24.01N	121.75E	0	3.8,3.7		
TAP	VIII	12 19 23 31.3	24.01N	121.63E	6–0	4.2L,3.7		
NEIC	VIII	12 19 23 31.8–.57	23.97N	121.67E	10	4.5L,4.2b		
BJI	VIII	12 19 23 33.6	23.94N	121.37E	15	4.6b,4.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ75.00000°,λ-78.00000°. NP2:ϕ_s55.00000°,δ19.00000°,λ-126.00000°. M_o1.11000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=1.9km az=21.2.
IDC Error ellipse: s-maj=25.3km s-min=22.6km az=72.0.
TAP B.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=6.3km az=106.0. Recorded [5 TAP] at Hua-lien and [2 TAP] in I-lan and Nan-t'ou.

(259) Mindanao

MAN	**VIII**	**12 23 06 24**	**5.88N**	**125.06E**	**22**	**4.5b,3.5s**		**¶13728334**

MAN Event type fe. INTENSITY II - GENERAL SANTOS CITY.

(135) Near coast of central Chile

ISC	**VIII**	**13 00 29 07.0–1.6**	**28.23S–.03**	**71.32W–.10**	**26–12**	**4.2b**	**44**	**1-152**
ISCJB	VIII	13 00 29 06.8–1.1	28.25S–.04	71.3W–.10	45–12	4.2b		**¶11908129**
NEIC	VIII	13 00 29 07.2	28.45S	71.40W	7	4.5L,4.4b		
GUC	VIII	13 00 29 07.2–.92	28.45S	71.40W	7–10	4.5L,4.5		
IDC	VIII	13 00 29 09.7–3.5	28.21S	71.21W	57–32	4.0L,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.0km s-min=7.1km az=7.7.
NEIC Event type fe. Felt at Copiapo. After GUC.
GUC Error ellipse: s-maj=10.0km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=44.4km s-min=15.6km az=76.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**13 01 45 10.2–.64**	**36.45N–.04**	**140.77E–.07**	**50–4**	**3.9b**	**35**	**0-91**
NIED	VIII	13 01 45 00	36.40N	140.70E	50	3.9W		**¶11747376**
ISCJB	VIII	13 01 45 09.1–.62	36.43N–.04	140.78E–.07	57–4	3.9b		
JMA	VIII	13 01 45 10.2–.10	36.43N	140.68E	52–1	3.8		
NEIC	VIII	13 01 45 11.3–1.8	36.42N	140.64E	61–14	4.2b		
IDC	VIII	13 01 45 11.6–2.8	36.41N	140.66E	63–26	3.7,3.6b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ68.00000°,λ104.00000°. NP2:ϕ_s178.00000°,δ26.00000°,λ60.00000°. M_o7.11000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=6.4km az=13.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s225.00000°,δ24.00000°,λ107.00000°. NP2:ϕ_s26.00000°,δ67.00000°,λ83.00000°. Principal axes: T Plg67.0000°,Azm283.0000°; N Plg7.0000°,Azm29.0000°; P Plg22.0000° ,Azm122.0000°
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=16.3km az=48.0.
IDC Error ellipse: s-maj=28.4km s-min=14.8km az=69.0.

(2) Southern Alaska

ISC	**VIII**	**13 02 35 17.2–.42**	**59.35N–.03**	**152.86W–.07**	**77–6**	**3.8b**	**61**	**1-68**
IDC	VIII	13 02 35 14.8–2.0	59.41N	153.29W	53–23	4.0L,3.7		**¶11908132**
ISCJB	VIII	13 02 35 15.9–.43	59.36N–.03	152.86W–.07	86–6	3.8b,3.7		
NEIC	VIII	13 02 35 18.3	59.33N	152.78W	77	4.0b,3.7		

ISC Event type fe.
IDC Error ellipse: s-maj=27.4km s-min=10.5km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=5.4km az=18.0.
NEIC Event type fe. Felt at Pedro Bay. After AEIC.

(266) Northern Molucca Sea

ISC	**VIII**	**13 07 13 44.1–.41**	**0.95N–.04**	**125.49E–.04**	**88–4**	**4.0b**	**44**	**1-124**
IDC	VIII	13 07 13 33.4–.57	1.02N	125.31E	0	4.2b,4.2		**¶11164821**
NEIC	VIII	13 07 13 34.8–.28	1.04N	125.31E	10	4.5b,4.2		
ISCJB	VIII	13 07 13 43.1–.42	0.94N–.04	125.47E–.04	93–4	4.0b,4.2		
DJA	VIII	13 07 13 44	0.81N	125.52E	24	5.0,4.2		

ISC Event type fe.
IDC Error ellipse: s-maj=35.3km s-min=13.7km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=6.0km az=66.0. Felt [III] at Bitung, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=6.1km az=33.6.

(159) North Island

WEL	**VIII**	**13 08 04 41.5–.09**	**37.80S**	**176.84E**	**5**	**3.8L**		
NEIC	VIII	13 08 04 41.1	37.80S	176.82E	2	3.8L		**¶11325892**

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 5.
NEIC Event type fe. Felt at Bay of Plenty. After WEL.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**13 12 18 57.6–.51**	**38.79N–.04**	**141.68E–.07**	**72–3**	**3.8b**	**41**	**0-89**
ISCJB	VIII	13 12 18 56.6–.52	38.78N–.04	141.67E–.07	78–3	3.8b		**¶11908157**
IDC	VIII	13 12 18 56.8–2.8	38.73N	141.50E	63–27	3.7,3.6L		
NEIC	VIII	13 12 18 57.8	38.78N	141.61E	73	4.5b,3.6L		
JMA	VIII	13 12 18 57.7	38.78N	141.61E	73–1	3.4,3.6L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=5.4km az=21.8.
IDC Error ellipse: s-maj=22.7km s-min=19.1km az=85.0.
NEIC Event type fe. Recorded [2 JMA] in Miyagi and [1 JMA] in Iwate. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s73.00000°,δ23.00000°,λ160.00000°. NP2:ϕ_s181.00000°,δ83.00000°,λ68.00000°. Principal axes: T Plg48.0000°,Azm68.0000°; N Plg21.0000°,Azm184.0000°; P Plg34.0000° ,Azm289.0000°

(232) Western Honshu

ISC	**VIII**	**13 12 52 09.6–.65**	**35.16N–.04**	**135.69E–.05**	**10**	**3.2b**	**12**	**0-55**
NIED	VIII	13 12 52 00	35.10N	135.70E	5	3.4W		**¶11164829**
ISCJB	VIII	13 12 52 08.2–.68	35.18N–.04	135.75E–.05	10	3.2b		
NEIC	VIII	13 12 52 09.6	35.15N	135.67E	6	3.1		
IDC	VIII	13 12 52 09.4–1.5	34.90N	135.91E	0	3.3,3.2b		
JMA	VIII	13 12 52 09.5	35.15N	135.67E	6–1	3.1,3.2b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ72.00000°,λ121.00000°. NP2:ϕ_s327.00000°,δ35.00000°,λ32.00000°. M_o1.21000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.8km az=141.4.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=29.5km s-min=16.4km az=136.0.
JMA Event type fe.

(88) Dominican Republic region

ISC	**VIII**	**13 23 03 08.9–.84**	**19.60N–.03**	**69.96W–.02**	**2–5**	**4.4b,3.5s**	**304**	**1-157**
IDC	VIII	13 23 03 06.7–.59	19.41N	70.02W	0	4.3,4.2		**¶11164839**
ISCJB	VIII	13 23 03 07.4–.81	19.61N–.03	69.97W–.02	3–5	4.4b,3.5s		
NEIC	VIII	13 23 03 09.7–.20	19.58N	69.97W	10	4.6b,4.1		
RSPR	VIII	13 23 03 13.8	19.55N	69.95W	5–7	4.1,4.1		
JSN	VIII	13 23 04 33.5–34	18.39N	77.26W	0–280	4.6,4.1		

ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=16.0km az=43.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=2.4km az=21.2.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.1km az=210.0. Felt at Santiago.
RSPR Event type ke.
JSN Error ellipse: s-maj=999.9km s-min=471.5km az=-1.0.

(372) Cyprus region

ISC	**VIII**	**14 06 25 16.3–.40**	**34.77N–.02**	**33.06E–.03**	**15–3**	**3.5b**	**140**	**0-41**
ISK	VIII	14 06 25 12.4	34.61N	33.04E	16	3.7L		**¶11255445**
IDC	VIII	14 06 25 13.5–1.2	34.73N	32.96E	0	3.7b,3.6		
ISCJB	VIII	14 06 25 14.5–.49	34.72N–.02	33.01E–.03	12–3	3.5b,3.6		
GII	VIII	14 06 25 15.5–.00	34.91N	33.14E	15–2	2.7,3.6		
NEIC	VIII	14 06 25 16.0	34.81N	33.11E	15	3.7L,3.6L		
NIC	VIII	14 06 25 16.0–.40	34.81N	33.11E	15	3.7W,3.6L		

CSEM VIII 14 06 25 16.1–.13 34.79N 33.04E 15 3.7W,3.6L
DDA VIII 14 06 25 18.3 35.12N 33.21E 3–4 3.5,3.6L
HLW VIII 14 06 25 25.5 34.21N 32.67E 36–48 3.5,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=25.9km s-min=16.4km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=157.7.
GII Event type ke.
NEIC Event type fe. Felt [III] at Limassol and Prastio. After NIC.
NIC Event type fe. Felt earthquake; Maximum Intensity 3; Felt I=III MM at Limassol,Germasogia and Prastio. Moment Tensor Solution. $M_0$3.10000×10^{14}
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=78.0.

(196) Irian Jaya region

ISC VIII 14 06 33 35.5–.92 4.46S–.05 136.89E–.08 41–10 4.7b,3.2s 53 3-148
IDC VIII 14 06 33 30.0–.72 4.16S 136.99E 0 4.6L,4.4 **¶11908198**
NEIC VIII 14 06 33 31.6–.40 4.28S 136.80E 10 4.4b,4.4
ISCJB VIII 14 06 33 32.9–.99 4.43S–.04 136.87E–.08 33–10 4.7b,3.2s
DJA VIII 14 06 33 36 4.30S 136.94E 73 5.2b,3.2s
ISC Event type fe.
IDC Error ellipse: s-maj=42.8km s-min=16.5km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=7.6km az=66.0. Felt [III] at Timuka.
ISCJB Event type fe. Error ellipse: s-maj=13.4km s-min=6.0km az=170.3.

(224) Hokkaido region

ISC VIII 14 09 04 41.3–.32 41.14N–.03 141.02E–.06 105–2 3.9b 50 0-73
ISCJB VIII 14 09 04 40.2–.33 41.14N–.03 141.01E–.06 111–2 3.9b **¶11908201**
MOS VIII 14 09 04 40.7–.84 41.09N 141.17E 128 4.3b
IDC VIII 14 09 04 41.7–2.0 41.06N 141.05E 118–19 3.6b,3.6
JMA VIII 14 09 04 41.2–.10 41.14N 141.04E 101–1 3.2,3.6
NEIC VIII 14 09 04 42.1–.75 41.11N 141.11E 120–9 4.2b,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.8km az=15.7.
MOS Error ellipse: s-maj=16.0km s-min=11.0km az=70.2.
IDC Error ellipse: s-maj=18.6km s-min=14.4km az=83.0.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.5km az=124.0.

(706) Northern Sumatera

ISC VIII 14 09 08 15.2–.91 0.79N–.04 99.81E–.05 14–6 3.9b,3.8s 30 0-143
IDC VIII 14 09 08 11.7–1.2 0.67N 99.61E 0 4.2L,3.9 **¶11908202**
ISCJB VIII 14 09 08 15.1–.69 0.83N–.04 99.77E–.06 25–6 3.9b,3.8s
DJA VIII 14 09 08 15 0.77N 99.82E 4 4.7,3.8s
NEIC VIII 14 09 08 17.1–.66 0.72N 99.76E 35 4.3b,3.8s
ISC Event type fe.
IDC Error ellipse: s-maj=48.1km s-min=19.7km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=5.3km az=154.3.
NEIC Event type fe. Error ellipse: s-maj=23.6km s-min=10.5km az=63.0. Felt [III] at Panyabungan and Pasaman.

(221) Kuril Islands

ISC VIII 14 11 10 37.6–.25 43.94N–.02 147.55E–.02 75–2 5.4b 1566 1-153
NIED VIII 14 11 10 00 43.70N 147.60E 74 5.4W **¶13391719**
BJI VIII 14 11 10 29.4 43.97N 147.74E 25 5.3b,5.1b
DJA VIII 14 11 10 32 43.90N 147.77E 27 5.6b,5.1b
ISCJB VIII 14 11 10 35.9–.28 43.89N–.02 147.59E–.02 76–2 5.4b,5.1b
NEIC VIII 14 11 10 35.7–.53 43.98N 147.55E 59–4 5.4b,5.3W
MOS VIII 14 11 10 35.9–1.4 43.94N 147.58E 83 5.7b,4.5s
PDG VIII 14 11 10 36.8 44.00N 147.50E 60 5.7b,4.5s
BGS VIII 14 11 10 36.9–1.3 44.25N 147.87E 60–0 5.5b,4.5s
JMA VIII 14 11 10 37.0–.20 43.66N 147.64E 63 5.4,4.5s
IDC VIII 14 11 10 37.7–.47 43.94N 147.60E 77–4 5.4,5.4
SKHL VIII 14 11 10 37.4–.60 43.85N 147.63E 77–9 6.0b,5.8
GCMT VIII 14 11 10 38.8–.10 43.93N 147.66E 74–1 5.4W,5.8
SZGRF VIII 14 11 10 44.5 45.39N 145.77E 33 5.8b,4.9s
ISC Event type fe.
NIED Moment Tension Solution. Best double couple: NP1:ϕ_s250.00000°,δ79.00000°,λ-114.00000°. NP2:ϕ_s137.00000°,δ27.00000°,λ-25.00000°. $M_0$1.53000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=1.9km az=169.5.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=167.0. Recorded [3 JMA] in eastern Hokkaido. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s65.00000°,δ89.00000°,λ111.00000°. NP2:ϕ_s156.00000°,δ21.00000°,λ2.00000°. Principal axes: T 1.0800,Plg41.0000°,Azm354.0000° ; N 0.2900,Plg21.0000°,Azm244.0000°; P -1.3700,Plg40.0000°,Azm135.0000° $M_0$1.20000×10^{17}
MOS Event type fe. Error ellipse: s-maj=7.7km s-min=6.7km az=105.6. Felt (IV) at Malokuril'skoe; (III-IV) at Kuril'sk; (III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
PDG Event type ke.
BGS Error ellipse: s-maj=130.3km s-min=358.5km az=-1.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=10.6km s-min=8.8km az=131.0.
SKHL Event type fe. Felt (IV) at Malokurilskoe, (III-IV) at Kurilsk, (III) at Yushno-Kurilsk.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s79,c149; s97,c177; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56±.03 $M_{\theta\theta}$1.18±.03; $M_{\phi\phi}$-0.62±.03; $M_{r\theta}$1.26±.02; $M_{\theta\phi}$-0.38±.03; $M_{\phi r}$0.62±.02; Best double couple: NP1:ϕ_s139.00000°,δ32.00000°,λ-21.00000°. NP2:ϕ_s247.00000°,δ79.00000°,λ-121.00000°. Principal axes: T 1.8400,Plg27.0000° ,Azm1.0000°; N -0.1400,Plg30.0000°,Azm254.0000°; P -1.7100,Plg47.0000°,Azm125.0000° $M_0$1.80000×10^{17}
SZGRF Hokkaido, Japan, region.

(307) Sichuan

ISC VIII 14 17 06 41.4–.66 30.99N–.02 103.42E–.02 19–4 4.5b,3.7s 198 0-121
IDC VIII 14 17 06 37.9–.57 30.93N 103.37E 0 4.4,4.4 **¶11265138**
ISCJB VIII 14 17 06 39.7–.72 30.91N–.03 103.41E–.03 23–5 4.5b,3.7s
BJI VIII 14 17 06 39.9 30.98N 103.50E 16 4.8L,4.6s
NEIC VIII 14 17 06 39.8–.23 30.97N 103.39E 10 4.6b,4.6s
MOS VIII 14 17 06 40.9–.83 30.91N 103.48E 33 4.8b,4.6s
ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=13.2km az=37.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.9km az=162.3.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=5.1km az=73.0. Felt at Chengdu.
MOS Error ellipse: s-maj=8.9km s-min=5.5km az=105.9.

(263) Talaud Islands

ISC VIII 14 21 26 38.7–.42 3.83N–.02 125.41E–.04 55–4 4.7b,3.4s 153 2-162
IDC VIII 14 21 26 31.1–.50 3.87N 125.44E 0 4.5,4.5L **¶11652933**
BJI VIII 14 21 26 34.6 3.80N 125.30E 35 4.9b,4.7b
ISCJB VIII 14 21 26 37.1–.47 3.81N–.02 125.35E–.04 57–4 4.7b,3.4s
DJA VIII 14 21 26 38 3.65N 125.35E 13 4.8b,3.4s
NEIC VIII 14 21 26 40.6–.81 3.79N 125.30E 76–8 4.7b,3.4s
ISC Event type fe.
IDC Error ellipse: s-maj=27.0km s-min=9.4km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.5km az=177.6.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.3km az=70.0. Felt [III] at Sangir.

(83) South of Panama

ISC VIII 14 22 55 52.6–.15 7.42N–.02 82.68W–.02 35 5.2b,4.8s 1044 1-175
IDC VIII 14 22 55 45.9–.52 7.37N 82.78W 0 5.1,5.1 **¶11227201**
MOS VIII 14 22 55 46.5–1.4 7.37N 82.72W 10 5.4b,4.7s
NEIC VIII 14 22 55 47.2–.18 7.29N 82.73W 6 5.4W,5.3b
BJI VIII 14 22 55 47.2 7.30N 82.70W 16 5.4b,5.3s
ISCJB VIII 14 22 55 50.8–.15 7.46N–.02 82.71W–.01 33 5.2b,4.8s
CASC VIII 14 22 55 51.0–2.3 7.48N 82.82W 27–12 5.3b,4.9
GCMT VIII 14 22 55 52.9–.10 7.26N 82.79W 22–0 5.5W,4.9
SZGRF VIII 14 22 56 01.1 8.42N 80.94W 33 5.3b,5.0s
JSN VIII 14 22 57 42.0–.59 14.71N 79.14W 15–0 5.3b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=21.9km s-min=11.6km az=70.0.
MOS Error ellipse: s-maj=10.4km s-min=5.2km az=118.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=2.7km az=203.0. Felt at Bocas del Toro, David and Volcan. Also felt at Curridabat, San Jose and San Miguel, Costa Rica. Moment Tensor Solution. s71 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41 $M_{\theta\theta}$-0.42 $M_{\phi\phi}$0.83 $M_{r\theta}$-0.28 $M_{\theta\phi}$1.30 $M_{\phi r}$-0.01 Best double couple: NP1:ϕ_s76.00000°,δ83.00000°,λ-13.00000°. NP2:ϕ_s168.00000°,δ77.00000°,λ-173.00000°. Principal axes: T 1.6600,Plg4.0000°,Azm122.0000° ; N -0.3600,Plg74.0000°,Azm228.0000°; P -1.3000,Plg14.0000°,Azm31.0000° $M_0$1.50000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.7km az=21.2.
CASC Error ellipse: s-maj=9.3km s-min=4.6km az=-1.0.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 99, comp=188, per= 50. Moment Tensor Solution. s77,c133; s35,c41; Moment tensor: Scale 10^{17}Nm; M_{rr}0.10±.04 $M_{\theta\theta}$-0.61±.03; $M_{\phi\phi}$0.52±.04; $M_{r\theta}$-0.05±.06; $M_{\theta\phi}$2.42±.03; $M_{\phi r}$-0.14±.07; Best double couple: NP1:ϕ_s263.00000°,δ87.00000°,λ2.00000°. NP2:ϕ_s173.00000°,δ88.00000°,λ177.00000°. Principal axes: T 2.4500,Plg3.0000°,Azm128.0000°; N 0.0900,Plg87.0000°,Azm325.0000° ; P -2.5300,Plg1.0000°,Azm218.0000° $M_0$2.50000×10^{17}
SZGRF Panama.
JSN Error ellipse: s-maj=158.9km s-min=6.8km az=-1.0.

(73) El Salvador

ISC VIII 15 08 30 02.8–.34 13.21N–.05 89.23W–.03 69–5 4.0b 77 0-148
IDC VIII 15 08 30 01.0–6.8 13.35N 89.03W 62–57 3.9,3.6b **¶11908240**
ISCJB VIII 15 08 30 01.5–.36 13.17N–.05 89.24W–.04 76–5 4.0b,3.6b
CASC VIII 15 08 30 02.8 13.15N 89.22W 49 4.5L,4.2b
NEIC VIII 15 08 30 02.7–1.3 13.14N 89.21W 80–10 4.7,4.2b
MEX VIII 15 08 30 06.4–.30 12.82N 89.74W 64–25 4.5,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=74.4km s-min=25.4km az=66.0.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=3.4km az=30.3.
NEIC Event type fe. Error ellipse: s-maj=17.3km s-min=12.1km az=185.0. Felt [III] at San Salvador.
MEX Error ellipse: s-maj=27.8km s-min=24.1km az=-1.0.

(377) Spain

ISC VIII 15 10 07 07.7–.33 37.82N–.02 1.61W–.02 6–2 445 0-10
ISCJB VIII 15 10 07 07.0–.28 37.88N–.02 1.68W–.02 10 **¶11227205**
CSEM VIII 15 10 07 07.3–.29 37.81N 1.64W 2 3.0L
MDD VIII 15 10 07 08.6–.26 37.77N 1.58W 0–3 3.3
NEIC VIII 15 10 07 08.7 37.77N 1.57W 0 3.1
INMG VIII 15 10 07 08.6–1.5 37.74N 1.58W 3–2 3.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=153.3.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=3.4km az=140.0.
MDD Event type fe. Error ellipse: s-maj=3.2km s-min=1.7km az=158.0. EMS: III TOTANA LORCA. PRIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=127.0.

(249) Luzon

ISC VIII 15 10 25 18.3–.11 13.10N–.01 124.35E–.02 15 5.7s,5.7b 900 1-174
BJI VIII 15 10 25 14.1 13.03N 124.46E 10 6.1b,6.0s **¶11165780**
IDC VIII 15 10 25 14.2–.40 12.90N 124.32E 0 5.5s,5.5
MAN VIII 15 10 25 16 13.04N 124.32E 7 6.1b,5.8s
NEIC VIII 15 10 25 16.5–.17 12.90N 124.32E 10 5.9W,5.9W
ISCJB VIII 15 10 25 16.4–.11 13.11N–.01 124.39E–.02 14 5.7s,5.7b
TEH VIII 15 10 25 17.0 12.90N 124.29E 10 5.7s,5.7b
GCMT VIII 15 10 25 19.0–.10 13.07N 124.37E 15 6.0W,5.7b
MOS VIII 15 10 25 21.0–1.0 13.45N 124.17E 33 5.9b,5.7s
DJA VIII 15 10 25 24 13.09N 124.60E 73 6.2W,5.7s
SZGRF VIII 15 10 25 27.1 14.30N 124.82E 33 6.2s,5.7b
ISC Event type de.
IDC Error ellipse: s-maj=12.5km s-min=9.9km az=44.0.
MAN Event type fe. INTENSITY VI - LEGASPI CITY; VIRAC CATANDUANES; INTENSITY V - SORSOGON CITY; IROSIN SORSOGON; INTENSITY IV - LIGNON HILL; INTENSITY III - NAGA CITY; BULAN SORSOGON; ROXAS CITY; MASBATE CITY; CATARMAN SAMAR; INTENSITY II - SILAY NEGROS OCCIDENTAL; TACLOBAN CITY; BORONGAN SAMAR.
NEIC Event type de. Error ellipse: s-maj=5.9km s-min=4.4km az=67.0. Minor damage at Legaspi, Luzon. Felt [VI PIVS] at Legaspi; [V PIVS] at Irosin and Sorsogon; [III PIVS] at Bulan and Naga; [II PIVS] at Guinayangan, Luzon. Also felt at Manila. Felt [VI PIVS] at Virac, Catanduanes. Felt [III PIVS] at Catarman and [II PIVS] at Borongan, Samar. Also felt [III PIVS] at Masbate, Masbate and at Roxas City, Panay. Felt [II PIVS] at Silay, Negros and at Tacloban, Leyte. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s14.00000°,δ82.00000° ,λ176.00000°. NP2:ϕ_s105.00000°,δ86.00000°,λ8.00000°. Principal axes: T 1.0500,Plg8.0000°,Azm329.0000°; N -0.1100,Plg80.0000°,Azm133.0000° ; P -0.9400,Plg2.0000°,Azm239.0000° $M_0$1.00000×10^{18}
ISCJB Event type de. Error ellipse: s-maj=2.8km s-min=1.8km az=177.8.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=255, per= 50. Moment Tensor Solution. s104,c225; s76,c113; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s202.00000° ,δ81.00000°,λ-173.00000°. NP2:ϕ_s111.00000°,δ83.00000°,λ-9.00000°. Principal axes: T 1.3300,Plg1.0000°,Azm156.0000°; N -0.2500,Plg79.0000°,Azm251.0000° ; P -1.0700,Plg11.0000°,Azm66.0000° $M_0$1.20000×10^{18}
MOS Error ellipse: s-maj=8.3km s-min=4.4km az=118.7.
SZGRF Luzon, Philippine Islands.

(244) Taiwan

ISC VIII 15 13 25 58.8–.41 23.99N–.01 121.66E–.03 4–5 84 0-2
NEIC VIII 15 13 25 58.2–1.9 23.97N 121.67E 2–17 3.6L **¶12099963**
TAP VIII 15 13 25 58.3 23.99N 121.60E 5–0 3.3L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=26.2km s-min=6.0km az=106.0. Recorded [4 TAP] at Hua-lien and [1 TAP] in I-lan and Nan-t'ou.
TAP B.

(251) Samar

ISC VIII 15 21 53 47.3–1.0 13.02N–.03 124.49E–.05 10–6 4.2b,3.5s 62 1-154
IDC VIII 15 21 53 44.9–.65 13.00N 124.57E 0 4.5L,4.1 **¶11652943**
BJI VIII 15 21 53 45.7 13.06N 124.54E 10 4.6b,4.3b
NEIC VIII 15 21 53 46.5–.32 12.90N 124.50E 10 4.5b,4.3b
MAN VIII 15 21 53 47 13.02N 124.30E 1 5.4b,4.5s
ISCJB VIII 15 21 53 48.2–.94 13.04N–.03 124.49E–.05 30–7 4.2b,3.5s
ISC Event type fe.
NEIC Event type fe. Felt [II PIVS] at Catarman. Also felt [II PIVS] at Virac, Catanduanes and at Legaspi, Luzon.
MAN Event type fe. INTENSITY II - LEGASPI CITY; CATARMAN SAMAR; VIRAC CATANDUANES.
ISCJB Event type fe.

(333) Tuva-Buryatia-Mongolia border region

ISC VIII 16 04 01 07.4–.54 52.26N–.01 98.17E–.02 3–3 5.5s,5.3b 1328 1-166
NNC VIII 16 04 01 05.7–2.7 52.72N 98.31E 0 5.3b,5.3b **¶13391853**
BJI VIII 16 04 01 05.6 52.25N 98.09E 12 6.0s,5.8
LDG VIII 16 04 01 05.1–.14 52.13N 98.17E 10–0 5.2b,5.2s
IDC VIII 16 04 01 05.7–.41 52.21N 98.27E 0 5.3s,5.3
ISCJB VIII 16 04 01 06.8–.07 52.23N–.01 98.09E–.02 10 5.5s,5.3b
MOS VIII 16 04 01 06.6–1.1 52.20N 98.23E 15 5.5s,5.5b
ASRS VIII 16 04 01 07.8–1.6 52.56N 98.21E 15 5.8s,5.5b
NEIC VIII 16 04 01 08.6–1.5 52.27N 98.21E 12–9 5.6W,5.4s
GCMT VIII 16 04 01 11.7–.10 52.16N 98.31E 28–0 5.7W,5.4s
BGS VIII 16 04 01 11.3–1.8 51.95N 96.76E 14–0 5.8s,5.3b
SZGRF VIII 16 04 01 14.0 51.98N 97.65E 33 5.7s,5.3b
DJA VIII 16 04 01 27 51.82N 97.26E 150 5.3b,5.3b
ISC Event type fe.
NNC Error ellipse: s-maj=34.4km s-min=24.6km az=12.0.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=73.0.
IDC Error ellipse: s-maj=12.1km s-min=8.8km az=13.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=16.9.
MOS Event type fe. Error ellipse: s-maj=6.2km s-min=4.0km az=38.0. Felt (VI) at Orlik; (V) at Mondy; (III-IV) at Irkutsk; (II-III) at Zakamensk, Angarsk, Zima, Tulun; (II) at Nizneudinsk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=181.0. Moment Tensor Solution. s111 Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$1.03 $M_{\phi\phi}$-1.97 $M_{r\theta}$-0.10 $M_{\theta\phi}$2.32 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s106.00000°,δ85.00000°,λ-1.00000°. NP2:ϕ_s196.00000° ,δ89.00000°,λ-175.00000°. Principal axes: T 2.2900,Plg2.0000°,Azm331.0000° ; N 0.9600,Plg85.0000°,Azm213.0000°; P -3.2500,Plg4.0000°,Azm61.0000° $M_0$2.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=118, comp=242, per= 50. Moment Tensor Solution. s82,c159; s37,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.05 $M_{\theta\theta}$1.74±.05; $M_{\phi\phi}$-2.62±.05; $M_{r\theta}$0.63±.11; $M_{\theta\phi}$4.09±.05; $M_{\phi r}$0.19±.10; Best double couple: NP1:ϕ_s14.00000°,δ81.00000°,λ174.00000°. NP2:ϕ_s105.00000°,δ84.00000°,λ9.00000°. Principal axes: T 4.3100,Plg10.0000°,Azm329.0000°; N 0.7600,Plg79.0000°,Azm140.0000° ; P -5.0800,Plg2.0000°,Azm239.0000° $M_0$4.70000×10^{17}
BGS Error ellipse: s-maj=282.9km s-min=731.6km az=-1.0.
SZGRF Tuva-Buryatia-Mongolia border region.

(333) Tuva-Buryatia-Mongolia border region

ISC VIII 16 04 06 42.5–1.0 52.33N–.03 98.34E–.04 9–6 5.0b,4.9s 258 1-148
BJI VIII 16 04 06 40.0 52.31N 98.16E 6 5.4s,5.3b **¶13391855**

ASRS	VIII	16 04 06 40.3–5.0	52.32N	98.17E	15	4.8s,5.3b	
IDC	VIII	16 04 06 40.3–.53	52.23N	98.49E	0	5.0,4.9	
ISCJB	VIII	16 04 06 40.7–1.1	52.31N–.03	98.29E–.04	9–6	5.0b,4.9s	
NEIC	VIII	16 04 06 42.0–.23	52.24N	98.29E	10	5.0b,4.9s	
MOS	VIII	16 04 06 41.3–1.0	52.22N	98.28E	17	5.2b,4.9s	

ISC Event type fe.
IDC Error ellipse: s-maj=14.3km s-min=10.8km az=17.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.7km az=21.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.0km az=186.0.
MOS Event type fe. Error ellipse: s-maj=9.0km s-min=6.7km az=113.0. Felt (IV) at Orlik; (III) at Mondy; (II) at Irkutsk. Moment Tensor Solution.

(45) California-Baja California border region

ISC	**VIII**	**16 04 31 49.7–.28**	**32.86N–.02**	**116.17W–.02**	**9–3**		**63**	**0-3**
ISCJB	VIII	16 04 31 49.8–.32	32.85N–.02	116.16W–.02	11–3			**¶12064677**
NEIC	VIII	16 04 31 50.8	32.83N	116.18W	12	2.9L		
ECX	VIII	16 04 31 51.2–.55	32.83N	116.17W	4–0	2.9,2.9L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.7km az=157.9.
NEIC Event type fe. Felt in the Ocotillo area. After PAS.
ECX Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**16 08 20 30.8–.30**	**40.52N–.03**	**141.50E–.05**	**83–2**	**4.5b**	**147**	**0-145**
NIED	VIII	16 08 20 00	40.50N	141.50E	80	4.2W		**¶11184370**
SZGRF	VIII	16 08 20 26.6	40.79N	142.21E	33	4.6b		
ISCJB	VIII	16 08 20 29.8–.32	40.52N–.03	141.48E–.05	89–2	4.5b		
IDC	VIII	16 08 20 29.4–1.6	40.41N	141.39E	74–14	4.5s,4.5		
JMA	VIII	16 08 20 30.5–.10	40.50N	141.53E	81–1	4.0,4.5		
MOS	VIII	16 08 20 30.0–.94	40.59N	141.33E	88	4.4b,4.5		
BJI	VIII	16 08 20 31.0	40.58N	141.62E	116	4.9b,4.9b		
NEIC	VIII	16 08 20 31.3–.74	40.50N	141.44E	89–6	4.6b,4.2W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ87.00000°,λ-96.00000°. NP2:ϕ_s258.00000°,δ7.00000°,λ-27.00000°. $M_0$2.31000×10^{15}
SZGRF Near east coast of eastern Honshu, Japan.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=19.0.
IDC Error ellipse: s-maj=14.7km s-min=10.1km az=104.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s151.00000°,δ19.00000°,λ-112.00000°. NP2: ϕ_s354.00000°,δ72.00000°,λ-83.00000°. Principal axes: T Plg27.0000°,Azm78.0000° ; N Plg7.0000°,Azm172.0000°; P Plg62.0000°,Azm275.0000°
MOS Error ellipse: s-maj=10.1km s-min=6.5km az=102.9.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=6.9km az=145.0. Recorded [2 JMA] in Aomori and Iwate. Moment Tensor Solution. $M_0$2.30000×10^{15}

(377) Spain

ISC	**VIII**	**16 10 21 20.3–.42**	**41.40N–.02**	**3.07E–.02**	**11–2**		**446**	**0-9**
ISCJB	VIII	16 10 21 18.4–.40	41.35N–.02	3.11E–.02	9–2			**¶11358988**
CSEM	VIII	16 10 21 19.5–.13	41.37N	3.06E	2	3.6L		
MDD	VIII	16 10 21 21.1–.52	41.40N	3.09E	6–3	3.7		
MRB	VIII	16 10 21 21.5	41.41N	3.07E	18–1	3.8L		
NEIC	VIII	16 10 21 21.5	41.41N	3.07E	8	3.8L,3.4		
INMG	VIII	16 10 21 21.5–1.1	41.33N	2.98E	0–0	3.1L,3.4		
STR	VIII	16 10 21 25.0–.38	41.66N	3.06E	10–0	3.8L,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=28.7.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=114.0.
MDD Error ellipse: s-maj=4.0km s-min=2.6km az=118.0. PRIMO.
MRB Event type ke.
NEIC Event type fe. Felt at Barcelona and Palafrugell. After MDD.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=2.1km az=71.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(333) Tuva-Buryatia-Mongolia border region

ISC	**VIII**	**16 14 29 38.3–1.2**	**52.22N–.05**	**98.27E–.04**	**9–8**	**3.6b**	**60**	**1-82**
IDC	VIII	16 14 29 36.7–.84	52.09N	98.12E	0	3.7b,3.7		**¶11652952**
MOS	VIII	16 14 29 36.9–1.2	52.19N	98.24E	13	4.6b,3.7		
NEIC	VIII	16 14 29 38.3–5.0	52.18N	98.19E	11–35	3.7b,3.7		
ASRS	VIII	16 14 29 38.1–2.4	52.22N	98.02E	15	3.8s,3.7		
ISCJB	VIII	16 14 29 38.5–.76	52.35N–.05	98.26E–.04	24–7	3.6b,3.7		
BJI	VIII	16 14 29 39.1	52.25N	97.82E	9	4.7L,4.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=24.6km s-min=13.7km az=8.0.
MOS Event type fe. Error ellipse: s-maj=12.3km s-min=8.9km az=177.8. Felt (II) at Orlik. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=9.7km az=189.0.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.3km az=3.2.

(249) Luzon

ISC	**VIII**	**16 20 43 50.1–.89**	**13.03N–.03**	**124.42E–.04**	**10–5**	**4.2b,3.4s**	**61**	**1-89**
IDC	VIII	16 20 43 47.6–.64	12.96N	124.54E	0	4.5L,4.1		**¶11652956**
ISCJB	VIII	16 20 43 49.8–.92	13.06N–.03	124.46E–.05	22–7	4.2b,3.4s		
NEIC	VIII	16 20 43 49.1–.48	12.91N	124.49E	10	4.5b,3.4s		
MAN	VIII	16 20 43 49	13.11N	124.36E	11	5.0b,4.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=30.7km s-min=13.7km az=66.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.9km az=174.1.
NEIC Event type fe. Error ellipse: s-maj=13.1km s-min=8.6km az=79.0. Felt [II PIVS] at Sorsogon, Luzon.
MAN Event type fe. INTENSITY II - SORSOGON CITY.

(249) Luzon

ISC	**VIII**	**17 04 12 33.7–.93**	**13.04N–.03**	**124.39E–.05**	**9–5**	**4.2b,3.8s**	**59**	**1-98**
BJI	VIII	17 04 12 31.6	12.98N	124.47E	12	4.7b,4.6b		**¶11652961**
IDC	VIII	17 04 12 31.8–.77	13.01N	124.37E	0	4.7L,4.2		
MAN	VIII	17 04 12 32	13.02N	124.30E	2	5.0b,4.0s		
NEIC	VIII	17 04 12 33.1–.32	13.00N	124.37E	10	4.5b,4.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=31.2km s-min=15.9km az=65.0.
MAN Event type fe. INTENSITY II - IROSIN SORSOGON; BOBON CATARMAN SAMAR.
NEIC Event type fe. Error ellipse: s-maj=13.3km s-min=6.1km az=61.0. Felt [II PIVS] at Bobon and Catarman. Also felt [II PIVS] at Irosin, Luzon.

(35) Near coast of northern California

ISC	**VIII**	**17 05 57 01.5–.98**	**41.17N–.02**	**124.24W–.05**	**31–6**	**4.5b,4.0s**	**204**	**0-152**
BJI	VIII	17 05 56 56.0	41.20N	124.20W	17	5.0b,4.9s		**¶11167617**
IDC	VIII	17 05 56 56.7–.69	41.14N	124.15W	0	4.3,4.2		
ISCJB	VIII	17 05 56 59.6–1.1	41.21N–.02	124.11W–.05	26–7	4.5b,4.0s		
NEIC	VIII	17 05 56 59.0	41.18N	124.20W	17	4.6b,4.6W		

ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=10.3km az=172.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.4km az=159.3.
NEIC Event type fe. Felt [IV] at Arcata, Bayside, Eureka, Orick and Trinidad; [III] at Blue Lake, Burnt Ranch, Crescent City, Ferndale, Fortuna, Klamath, Kneeland, McKinleyville and Willow Creek; [II] at Hoopa and Loleta. Also felt at Bridgeville, Carlotta, Hydesville, Orleans, Salyer, Samoa and Somes Bar. After NCEDC. Moment Tensor Solution. $M_0$1.00000×10^{16} Moment Tensor Solution. $M_0$7.60000×10^{15}

(249) Luzon

ISC	**VIII**	**17 06 28 59.4–.70**	**13.02N–.03**	**124.38E–.04**	**28–5**	**4.5b,3.9s**	**98**	**1-117**
IDC	VIII	17 06 28 54.6–.61	12.94N	124.37E	0	4.3,4.3		**¶11652964**
BJI	VIII	17 06 28 55.4	12.71N	124.44E	29	4.9b,4.6b		
MAN	VIII	17 06 28 56	13.03N	124.37E	11	4.9b,3.9s		
ISCJB	VIII	17 06 28 58.4–.58	13.05N–.03	124.39E–.04	33–4	4.5b,3.9s		
NEIC	VIII	17 06 28 59.7–.35	13.02N	124.33E	31	4.7b,3.9s		
DJA	VIII	17 06 29 07	13.19N	124.38E	65	4.8b,3.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=25.1km s-min=14.7km az=66.0.
MAN Event type fe. INTENSITY II - CABID-AN IROSIN SORSOGON; LEGASPI CITY.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.1km az=171.2.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=7.0km az=66.0. Felt [II PIVS] at Irosin and Legaspi, Luzon.

(224) Hokkaido region

JMA	**VIII**	**17 08 14 11.8–.10**	**42.89N**	**145.46E**	**44–1**	**3.7**		
NIED	VIII	17 08 14 00	42.90N	145.50E	41	3.6W		**¶11747427**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ69.00000°,λ86.00000°. NP2:ϕ_s230.00000°,δ21.00000°,λ101.00000°. $M_0$2.45000×10^{14}

(709) Southeastern Afghanistan

ISC	**VIII**	**17 14 02 32.3–.92**	**34.05N–.03**	**69.37E–.04**	**3–5**	**4.0b,3.2s**	**129**	**1-84**
ISCJB	VIII	17 14 02 32.2–.80	34.09N–.03	69.45E–.05	15–6	4.0b,3.2s		**¶13391936**
NNC	VIII	17 14 02 33.6–7.5	33.83N	69.23E	45–65	3.9b,3.2s		
IDC	VIII	17 14 02 33.1–.71	34.28N	69.53E	0	4.2,4.1		
NEIC	VIII	17 14 02 35.0–1.9	34.23N	69.43E	12–11	4.3b,4.1		
BJI	VIII	17 14 02 34.5	34.35N	69.37E	18	4.2b,4.1b		
MOS	VIII	17 14 02 36.5–.98	34.30N	69.42E	33	4.4b,4.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.3km az=143.3.
NNC Error ellipse: s-maj=58.8km s-min=23.3km az=33.0.
IDC Error ellipse: s-maj=17.4km s-min=16.3km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=8.7km az=149.0. Felt at Kabul.
MOS Error ellipse: s-maj=14.1km s-min=6.2km az=83.4.

(70) Guatemala

ISC	**VIII**	**17 14 25 10.8–.22**	**14.72N–.04**	**91.99W–.02**	**69–2**	**4.6b**	**463**	**0-148**
CASC	VIII	17 14 25 07.2–1.4	14.62N	92.22W	77–12	4.9,4.7b		**¶11167628**
IDC	VIII	17 14 25 07.4–.73	14.73N	91.77W	62–5	4.3,4.1		
BJI	VIII	17 14 25 07.0	14.50N	92.00W	64	5.1b,4.1		
NEIC	VIII	17 14 25 08.2–.32	14.55N	91.98W	64	4.9,4.7b		
MEX	VIII	17 14 25 09.8–.62	14.41N	92.22W	69–8	4.9,4.7b		
GCMT	VIII	17 14 25 09.2–.30	14.62N	92.05W	70–2	5.0W,4.7b		
ISCJB	VIII	17 14 25 09.2–.25	14.62N–.03	92.02W–.03	78–2	4.6b,4.7b		
SZGRF	VIII	17 14 25 25.0	14.05N	92.19W	33	4.9b,4.7b		

ISC Event type fe.
CASC Error ellipse: s-maj=8.7km s-min=6.9km az=-1.0.
IDC Error ellipse: s-maj=19.6km s-min=9.3km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.7km az=211.0. Felt at Mazatenango, Quetzaltenango, Panajachel, Retalhuleu, San Marcos, San Pedro la Laguna, Solola and Totonicapan.
MEX Error ellipse: s-maj=8.6km s-min=8.4km az=-1.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s52,c64; s85,c121; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.37±.14 $M_{\theta\theta}$0.89±.15; $M_{\phi\phi}$1.48±.17; $M_{r\theta}$2.57±.07; $M_{\theta\phi}$-0.66±.14; $M_{\phi r}$-2.25±.09; Best double couple: NP1:ϕ_s152.00000°,δ17.00000°,λ-73.00000°. NP2:ϕ_s314.00000°,δ74.00000°,λ-95.00000°. Principal axes: T 3.7500,Plg29.0000° ,Azm48.0000°; N 0.5400,Plg5.0000°,Azm315.0000°; P -4.2900,Plg61.0000°,Azm217.0000° $M_0$4.00000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=2.2km az=33.0.
SZGRF Near coast of Chiapas, Mexico.

(249) Luzon

ISC	**VIII**	**17 14 41 11.9–.48**	**13.02N–.03**	**124.31E–.04**	**47–4**	**4.8b,4.2s**	**235**	**1-168**
IDC	VIII	17 14 41 04.7–.53	12.95N	124.40E	0	4.5,4.4		**¶11908357**
MAN	VIII	17 14 41 06	13.05N	124.31E	10	5.0b,4.0s		
NEIC	VIII	17 14 41 06.8–.31	12.99N	124.30E	10	4.9b,4.0s		
GCMT	VIII	17 14 41 07.5–.30	13.09N	124.36E	12	4.7W,4.0s		
MOS	VIII	17 14 41 08.5–.94	13.04N	124.34E	33	5.1b,4.0s		
ISCJB	VIII	17 14 41 09.8–.51	13.06N–.02	124.34E–.04	43–4	4.8b,4.2s		
BJI	VIII	17 14 41 11.5	12.86N	124.28E	68	4.8b,4.7b		
DJA	VIII	17 14 41 13	13.26N	124.40E	45	5.0b,4.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.2km s-min=13.1km az=70.0.
MAN Event type fe. INTENSITY II - CABID-AN IROSIN SORSOGON.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=6.9km az=73.0. Felt [II PIVS] at Irosin, Luzon.
GCMT Event type se. Data Used: IC IU II G CN. Moment Tensor Solution. s14,c14; s60,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.76±.08 $M_{\theta\theta}$1.43±.05; $M_{\phi\phi}$-0.67±.07; $M_{r\theta}$0.00±.20; $M_{\theta\phi}$1.01±.05; $M_{\phi r}$0.31±.23; Best double couple: NP1:ϕ_s109.00000°,δ67.00000°,λ-21.00000°. NP2:ϕ_s208.00000°,δ71.00000°,λ-155.00000°. Principal axes: T 1.8400,Plg3.0000° ,Azm338.0000°; N -0.5900,Plg59.0000°,Azm243.0000°; P -1.2500,Plg31.0000° ,Azm69.0000° $M_0$1.60000×10^{16}
MOS Error ellipse: s-maj=13.5km s-min=6.6km az=122.4.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.9km az=162.1.

(71) Near coast of Guatemala

ISC	**VIII**	**17 17 17 26.9–1.0**	**13.78N–.04**	**91.84W–.02**	**7–6**	**4.6b,4.4s**	**363**	**1-146**
IDC	VIII	17 17 17 23.7–.91	13.81N	91.52W	0	4.6,4.4		**¶11167633**
ISCJB	VIII	17 17 17 24.9–.27	13.67N–.04	91.90W–.02	10	4.6b,4.4s		
CASC	VIII	17 17 17 27.4–1.5	13.51N	91.96W	57–49	4.6b,4.4		
NEIC	VIII	17 17 17 33.3–.94	13.89N	91.58W	69–8	4.7,4.6b		
MEX	VIII	17 17 17 34.0–1.5	13.88N	92.47W	14–785	4.3,4.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=32.3km s-min=15.0km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=2.1km az=23.9.
CASC Error ellipse: s-maj=11.1km s-min=6.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=4.8km az=48.0. Felt [II] at Sonsonate, El Salvador.
MEX Error ellipse: s-maj=663.8km s-min=71.3km az=-1.0.

(244) Taiwan

ISC	**VIII**	**17 17 37 56.5–.17**	**24.00N–.02**	**121.76E–.01**	**44–2**	**4.0b,3.3s**	**191**	**0-96**
NIED	VIII	17 17 37 00	24.10N	121.70E	44	4.1W,3.3s		**¶11167634**
IDC	VIII	17 17 37 49.1–.66	23.97N	121.81E	0	4.1,4.0b		
BJI	VIII	17 17 37 52.8	23.90N	121.86E	28	4.5b,4.2b		
ISCJB	VIII	17 17 37 55.6–.17	23.99N–.02	121.77E–.01	52–2	4.0b,3.3s		
NEIC	VIII	17 17 37 55.1–.66	23.96N	121.83E	40–5	4.1b,3.3s		
TAP	VIII	17 17 37 56.1	24.00N	121.70E	43–0	4.6L,3.3s		
JMA	VIII	17 17 37 56.4–.20	24.09N	121.75E	71	4.1,3.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ60.00000°,λ55.00000°. NP2:ϕ_s43.00000°,δ45.00000°,λ134.00000°. $M_0$1.60000×10^{15}
IDC Error ellipse: s-maj=22.3km s-min=15.2km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=144.1.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=5.8km az=99.0. Recorded [3 TAP] in Hua-lien and I-lan; [2 TAP] in Nan-t'ou and T'ai-chung; [1 TAP] in Chang-hua.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.

(460) Wyoming

ISC	**VIII**	**17 18 12 43.7–.37**	**43.76N–.04**	**105.21W–.05**	**0**	**3.7b**	**47**	**1-90**
ISCJB	VIII	17 18 12 42.0–.39	43.76N–.04	105.20W–.05	0	3.7b		**¶11908365**
NEIC	VIII	17 18 12 43.5–.29	43.74N	105.24W	0	3.3L		
IDC	VIII	17 18 12 43.5–.99	43.73N	105.40W	0	3.7,3.6b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.2km s-min=5.0km az=26.7.
NEIC Event type fm. Error ellipse: s-maj=3.9km s-min=3.8km az=173.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.2km s-min=13.1km az=138.0.

(546) Austria

ISC	**VIII**	**17 19 07 00.2–.29**	**47.27N–.01**	**14.36E–.03**	**10**		**96**	**1-4**
ISCJB	VIII	17 19 06 58.3–.31	47.31N–.01	14.36E–.03	10			**¶11308634**
CSEM	VIII	17 19 07 00.1–.10	47.27N	14.35E	2	2.8L		
IPEC	VIII	17 19 07 00.4–.15	47.21N	14.39E	8–1	1.6L		
VIE	VIII	17 19 07 00.1–.41	47.21N	14.36E	5–34	2.2L,1.4b		
BGR	VIII	17 19 07 00.8–.40	47.26N	14.39E	5	2.2L,1.4b		
PRU	VIII	17 19 07 02.5	47.34N	14.44E	0	2.2,1.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.8km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=90.0.
IPEC Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=165.0.
VIE Event type fe. Error ellipse: s-maj=1.8km s-min=1.3km az=16.0. 7 km W of Unzmarkt . felt 3 ems98 at Scheifling / STYRIA.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=26.0.

(251) Samar

ISC	**VIII**	**17 20 46 49.9–.31**	**13.06N–.02**	**124.39E–.03**	**39–2**	**5.2b,5.1s**	**485**	**1-167**
IDC	VIII	17 20 46 43.9–.40	13.01N	124.33E	0	4.9,4.9b		**¶11167639**
NEIC	VIII	17 20 46 45.6–.14	12.97N	124.30E	10	5.2b,4.9b		
ISCJB	VIII	17 20 46 46.7–.54	13.10N–.02	124.41E–.02	27–3	5.2b,5.1s		
MAN	VIII	17 20 46 46	13.08N	124.28E	13	5.7b,5.2s		
BJI	VIII	17 20 46 46.2	12.99N	124.43E	29	5.4s,5.3b		
DJA	VIII	17 20 46 48	13.31N	124.35E	10	5.4b,5.3b		
GCMT	VIII	17 20 46 48.0–.10	13.11N	124.34E	14–0	5.4W,5.3b		
MOS	VIII	17 20 46 49.4–.90	13.36N	124.23E	33	5.4b,5.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=10.1km az=71.0.

NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=66.0. Felt [IV PIVS] at Virac, Catanduanes. Felt [III PIVS] at Legaspi and Sorsogon, Luzon.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=170.2.
MAN Event type fe. INTENSITY IV - VIRAC CATANDUANES; INTENSITY III - SORSOGN CITY LEGASPI CITY; INTENSITY II - LIGNON HILL.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 104 sta. Moment Tensor Solution. s90,c161; s99,c207; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36±.03 $M_{\theta\theta}$1.38±.03; $M_{\phi\phi}$-1.02±.03; $M_{r\theta}$0.15±.05; $M_{\theta\phi}$1.39±.02; $M_{\phi r}$0.11±.05; Best double couple: NP1: ϕ_s110.00000°,δ86.00000°,λ2.00000°. NP2:ϕ_s20.00000°,δ88.00000°,λ176.00000°. Principal axes: T 2.0300,Plg4.0000°,Azm335.0000°; N -0.3800,Plg85.0000°,Azm176.0000° ; P -1.6600,Plg2.0000°,Azm65.0000° $M_0$1.80000×10^{17}
MOS Error ellipse: s-maj=9.2km s-min=5.0km az=118.6.

(287) Sumba region

ISC	**VIII**	**17 20 54 49.1–.38**	**9.27S–.03**	**119.06E–.03**	**98–3**	**4.8b**	**189**	**3-154**
MOS	VIII	17 20 54 40.3–.93	9.02S	119.18E	33	4.9b		¶11167641
IDC	VIII	17 20 54 45.2–1.6	9.11S	119.29E	62–14	4.9,4.7s		
ISCJB	VIII	17 20 54 47.9–.41	9.23S–.03	119.06E–.03	102–4	4.8b,4.7s		
NEIC	VIII	17 20 54 49.0–1.5	9.14S	119.15E	97–13	4.6b,4.7s		
DJA	VIII	17 20 54 48	9.47S	119.07E	52	5.4b,4.7s		
BJI	VIII	17 20 54 48.9	9.10S	119.20E	105	5.2b,4.8b		

ISC Event type fe.
MOS Error ellipse: s-maj=15.5km s-min=8.2km az=113.5.
IDC Error ellipse: s-maj=17.6km s-min=8.7km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.0km az=27.8.
NEIC Event type fe. Error ellipse: s-maj=13.1km s-min=7.0km az=64.0. Felt [III] at Waingapu. Also felt [III] at Dompu, Sumbawa.

(122) Near coast of northern Chile

ISC	**VIII**	**17 21 23 09.3–.48**	**21.08S–.02**	**70.32W–.06**	**47–5**	**4.8b**	**419**	**1-174**
ISCJB	VIII	17 21 23 08.6–.48	21.08S–.02	70.38W–.06	56–5	4.8b		¶11167642
IDC	VIII	17 21 23 09.6–.56	20.98S	70.31W	51–5	4.4,4.3		
NEIC	VIII	17 21 23 10.1	20.97S	70.34W	65	4.9b,4.3		
GUC	VIII	17 21 23 10.1–.38	20.97S	70.34W	65–7	4.8L,4.3		
BJI	VIII	17 21 23 11.1	21.00S	70.30W	64	5.3b,5.2s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=4.1km az=177.8.
IDC Error ellipse: s-maj=22.0km s-min=14.0km az=82.0.
NEIC Event type fe. Felt [II] at Iquique and Tocopilla. After GUC.
GUC Error ellipse: s-maj=2.2km s-min=5.4km az=-1.0.

(101) Venezuela

ISC	**VIII**	**17 23 58 33.7–.42**	**10.26N–.02**	**69.68W–.02**	**7–3**	**4.0b,3.4s**	**129**	**0-155**
ISCJB	VIII	17 23 58 32.9–.56	10.29N–.02	69.67W–.02	13–3	4.0b,3.4s		¶13827474
NEIC	VIII	17 23 58 33.6	10.24N	69.68W	5	4.6W,4.4b		
IDC	VIII	17 23 58 33.3–.62	10.50N	69.79W	0	4.1,4.1L		
FUNV	VIII	17 23 58 33.8	10.25N	69.69W	2	4.6W,4.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=3.0km az=139.1.
NEIC Event type fe. Felt at Barquisimeto. After CAR.
IDC Error ellipse: s-maj=17.2km s-min=15.4km az=36.0.

(107) Ecuador

ISC	**VIII**	**18 00 41 29.8–.31**	**1.13S–.02**	**78.24W–.05**	**10**	**4.5b**	**122**	**0-163**
IGQ	VIII	18 00 41 26.9	1.07S	78.17W	6–1	4.9b,4.8s		¶11652974
ISCJB	VIII	18 00 41 27.8–.30	1.11S–.02	78.14W–.04	10	4.5b,4.8s		
IDC	VIII	18 00 41 27.2–.69	0.96S	77.80W	0	4.9L,4.3		
NEIC	VIII	18 00 41 31.7–2.1	1.09S	77.79W	29–15	4.8,4.6b		
BJI	VIII	18 00 41 35.7	1.10S	77.80W	29	4.9b,4.6b		

ISC Event type fe.
IGQ Error ellipse: s-maj=1.0km s-min=0.4km az=12.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=2.7km az=15.2.
IDC Error ellipse: s-maj=30.5km s-min=16.0km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=10.5km s-min=5.8km az=64.0. Felt at Archidona, Banos, Cusua, Juive, Latacunga, Palora, Puyo and Tena.

(377) Spain

ISC	**VIII**	**18 05 02 28.7–.40**	**38.14N–.02**	**0.85W–.02**	**7–2**		**407**	**0-25**
ISCJB	VIII	18 05 02 27.5–.40	38.21N–.02	0.92W–.02	3–2			¶11358999
MDD	VIII	18 05 02 28.9–.40	38.07N	0.79W	0	2.6		
IDC	VIII	18 05 02 28.9–1.9	38.04N	0.85W	0	3.2b,3.1		
CSEM	VIII	18 05 02 28.5–.16	38.14N	0.85W	5	2.9L,3.1		
NEIC	VIII	18 05 02 29.4	38.09N	0.79W	1	2.7,3.1		
INMG	VIII	18 05 02 29.3–1.1	38.09N	0.78W	0–0	2.6L,3.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.3km az=142.3.
MDD Error ellipse: s-maj=4.7km s-min=2.4km az=136.0. PRIMO SENTIDO LEVEMENTE EN LAS LOCALIDADES DE ALMORFA Y ALMORAD(ALICANTE).
IDC Error ellipse: s-maj=35.9km s-min=15.9km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=138.0.
NEIC Event type fe. Felt at Callosa de Segura, San Javier and Torrevieja. After MDD.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=132.0.

(244) Taiwan

ISC	**VIII**	**18 12 32 56.2–.30**	**23.92N–.01**	**121.52E–.02**	**16–2**		**82**	**0-2**
NEIC	VIII	18 12 32 55.2–1.1	23.93N	121.53E	10	4.0L		¶12100036
ISCJB	VIII	18 12 32 56.1–.33	23.91N–.02	121.54E–.03	20–3	4.0L		
TAP	VIII	18 12 32 56.2	23.94N	121.46E	17–0	3.3L		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=21.4km s-min=7.4km az=110.0. Recorded [3 TAP] in Hua-lien and [1 TAP] in Nan-t'ou.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.2km az=23.9.
TAP B.

(2) Southern Alaska

ISC	**VIII**	**19 00 44 38.9–.28**	**61.57N–.03**	**150.67W–.05**	**70–3**	**4.1b**	**108**	**0-147**
BJI	VIII	19 00 44 35.6	61.60N	150.70W	59	4.7b,4.5s		¶11652991
ISCJB	VIII	19 00 44 37.8–.28	61.57N–.03	150.61W–.05	77–2	4.1b,4.5s		
NEIC	VIII	19 00 44 39.6	61.56N	150.67W	60	3.7L,4.5s		
IDC	VIII	19 00 44 39.3–.73	61.72N	150.82W	70–5	3.8,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=4.1km az=136.2.
NEIC Event type fe. Felt [III] at Talkeetna and [II] at Anchorage. Also felt at Wasilla and Willow. After AEIC.
IDC Error ellipse: s-maj=17.5km s-min=12.7km az=37.0.

(196) Irian Jaya region

ISC	**VIII**	**19 04 34 25.7–.27**	**3.53S–.03**	**135.60E–.04**	**41**	**4.8b,4.1s**	**165**	**2-150**
MOS	VIII	19 04 34 22.7–.71	3.48S	135.54E	33	4.9b,4.1s		¶11169860
ISCJB	VIII	19 04 34 23.5–.27	3.55S–.03	135.58E–.04	39	4.8b,4.1s		
BJI	VIII	19 04 34 23.8	3.94S	135.25E	51	5.2b,4.9b		
NEIC	VIII	19 04 34 23.9–3.0	3.48S	135.49E	26–22	4.8b,4.9b		
DJA	VIII	19 04 34 25	3.49S	135.54E	22	5.3b,4.9b		
IDC	VIII	19 04 34 25.2–.46	3.46S	135.43E	35–3	4.9L,4.4		

ISC Event type fe.
MOS Error ellipse: s-maj=16.2km s-min=8.2km az=117.9.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.6km az=169.1.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=7.8km az=52.0. Felt [V] at Nabire and [III] at Enarotali.
IDC Error ellipse: s-maj=19.6km s-min=11.6km az=69.0.

(221) Kuril Islands

ISC	**VIII**	**19 05 42 20.3–1.2**	**43.05N–.09**	**146.0E–.10**	**56–8**	**3.7b**	**18**	**0-69**
NIED	VIII	19 05 42 00	43.10N	146.00E	74	3.5W		¶11747444
IDC	VIII	19 05 42 14.5–4.8	43.49N	146.06E	0	4.0,3.8b		
ISCJB	VIII	19 05 42 19.4–1.2	43.06N–.09	146.0E–.10	63–7	3.7b,3.8b		
JMA	VIII	19 05 42 20.1–.10	43.06N	146.01E	59–1	3.7,3.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s78.00000°,δ67.00000°,λ99.00000°. NP2:ϕ_s236.00000°,δ25.00000°,λ70.00000°. $M_0$1.92000×10^{14}
IDC Error ellipse: s-maj=164.5km s-min=30.3km az=2.0.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=10.7km az=150.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(135) Near coast of central Chile

GUC	**VIII**	**19 11 31 51.0–.55**	**32.56S**	**71.63W**	**15–2**	**3.6,3.5L**		
NEIC	VIII	19 11 31 51.0	32.56S	71.63W	15	3.5L,3.5L		¶12100062

GUC Error ellipse: s-maj=1.0km s-min=2.4km az=-1.0.
NEIC Event type fe. Felt [III] at Puchuncavi and [II] at Papudo and Quintero. After GUC.

(297) Myanmar-China border region

ISC	**VIII**	**19 21 35 12.8–.12**	**25.04N–.02**	**97.87E–.02**	**10**	**5.0b,4.3s**	**627**	**4-155**
ISCJB	VIII	19 21 35 10.9–.12	25.05N–.02	97.87E–.02	10	5.0b,4.3s		¶13392144
IDC	VIII	19 21 35 10.8–.39	25.04N	97.90E	0	4.9,4.8		
BJI	VIII	19 21 35 12.4	25.09N	97.89E	15	5.0b,4.9s		
TEH	VIII	19 21 35 13.0	25.04N	97.92E	8	5.0b,4.9s		
MOS	VIII	19 21 35 14.1–.83	25.06N	97.90E	33	5.2b,4.3s		
GCMT	VIII	19 21 35 16.5–.20	25.09N	98.03E	19–0	5.0W,4.3s		
NEIC	VIII	19 21 35 17.2–.51	25.05N	97.92E	46–5	5.0b,4.3s		
SZGRF	VIII	19 21 35 19.8	25.36N	97.54E	33	5.4b,4.2s		
DJA	VIII	19 21 35 21	25.02N	97.91E	73	5.2b,4.2s		
PLV	VIII	19 21 35 25.9–4.1	24.88N	98.98E	10–255	4.2L,4.2s		

ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=3.1km s-min=2.2km az=12.4.
IDC Error ellipse: s-maj=14.5km s-min=9.5km az=61.0.
MOS Error ellipse: s-maj=7.3km s-min=3.7km az=121.7.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s32,c37; s61,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.36±.18 $M_{\theta\theta}$1.16±.11; $M_{\phi\phi}$2.20±.11; $M_{r\theta}$1.24±.28; $M_{\theta\phi}$2.34±.08; $M_{\phi r}$-0.01±.23; Best double couple: NP1:ϕ_s21.00000°,δ42.00000°,λ-117.00000°. NP2:ϕ_s235.00000°,δ53.00000°,λ-68.00000°. Principal axes: T 4.1600,Plg6.0000° ,Azm310.0000°; N -0.4100,Plg18.0000°,Azm42.0000°; P -3.7500,Plg71.0000° ,Azm202.0000° $M_0$4.00000×10^{16}
NEIC Event type de. Error ellipse: s-maj=3.5km s-min=2.9km az=208.0. Five rooms collapsed and 2,420 rooms, 23 large buildings and 10 roads damaged in Yingjiang, China. Also felt in the Kachin State border region, Myanmar.
SZGRF Myanmar-China border region.
PLV Error ellipse: s-maj=339.0km s-min=641.5km az=-1.0.

(115) Near coast of Peru

ISC	**VIII**	**20 01 38 05.1–1.2**	**13.42S–.09**	**76.2W–.10**	**42–12**	**3.9b**	**20**	**2-146**
ISCJB	VIII	20 01 38 04.6–1.2	13.44S–.09	76.3W–.10	57–11	3.9b		¶11908471
IDC	VIII	20 01 38 06.4–.79	13.38S	76.25W	54–6	3.9,3.7		
NEIC	VIII	20 01 38 06.2–.42	13.42S	76.26W	55	4.0b,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=24.1km s-min=8.9km az=146.1.
IDC Error ellipse: s-maj=29.8km s-min=7.2km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=7.9km az=53.0. Felt [III] at Chincha Alta, Pisco and San Vicente de Canete; [II] at Ica.

(1) Central Alaska

ISC	**VIII**	**20 04 39 06.7–.27**	**62.19N–.02**	**150.43W–.06**	**56–2**	**4.0b**	**241**	**1-146**
ISCJB	VIII	20 04 39 05.6–.27	62.20N–.02	150.43W–.06	63–2	4.0b		¶11813386
IDC	VIII	20 04 39 06.3–.68	62.32N	150.61W	69–5	3.9,3.8		
NEIC	VIII	20 04 39 07.3	62.13N	150.39W	57	4.2L,4.0L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.3km az=160.0.
IDC Error ellipse: s-maj=16.1km s-min=11.8km az=40.0.
NEIC Event type fe. Felt at Caswell and Talkeetna. After AEIC.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**20 05 28 02.8–1.1**	**38.95N–.03**	**142.52E–.05**	**13–6**	**4.0b**	**37**	**1-145**
NIED	VIII	20 05 28 00	38.90N	142.50E	35	4.2W		¶11747456
IDC	VIII	20 05 28 00.7–.88	38.79N	142.59E	0	4.0,3.9		
ISCJB	VIII	20 05 28 01.9–1.1	38.91N–.03	142.59E–.07	20–7	4.0b,3.9		
NEIC	VIII	20 05 28 03.4	38.95N	142.53E	30	4.2b,3.9		
JMA	VIII	20 05 28 03.4–.10	38.95N	142.53E	30–2	4.3,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s272.00000°,δ87.00000°,λ144.00000°. NP2:ϕ_s4.00000°,δ54.00000°,λ4.00000°. $M_0$2.01000×10^{15}
IDC Error ellipse: s-maj=26.3km s-min=18.4km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.3km az=19.2.
NEIC Event type fe. Recorded [1 JMA] in Iwate and Miyagi. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s188.00000°,δ28.00000°,λ-1.00000°. NP2: ϕ_s279.00000°,δ89.00000°,λ-118.00000°. Principal axes: T Plg38.0000°,Azm34.0000° ; N Plg28.0000°,Azm279.0000°; P Plg39.0000°,Azm163.0000°

(227) Eastern Honshu

ISC	**VIII**	**20 06 13 29.4–.32**	**36.07N–.03**	**139.77E–.03**	**46–3**	**4.6b,4.0s**	**384**	**0-156**
NIED	VIII	20 06 13 00	36.10N	139.90E	50	4.4W,4.0s		¶13392177
BJI	VIII	20 06 13 23.0	36.94N	140.27E	12	4.8b,4.6b		
MOS	VIII	20 06 13 24.9–1.2	36.00N	139.86E	33	4.9b,4.6b		
ISCJB	VIII	20 06 13 28.7–.32	36.12N–.03	139.74E–.03	52–2	4.6b,4.0s		
IDC	VIII	20 06 13 29.2–1.4	35.97N	139.77E	55–13	4.3,4.3		
JMA	VIII	20 06 13 29.0–.10	36.06N	139.90E	45–2	4.6,4.3		
NEIC	VIII	20 06 13 29.2–1.0	36.07N	139.74E	52–8	4.6b,4.4W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s49.00000°,δ71.00000°,λ84.00000°. NP2:ϕ_s247.00000°,δ20.00000°,λ107.00000°. $M_0$5.11000×10^{15}
MOS Error ellipse: s-maj=9.2km s-min=5.9km az=104.6.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=175.2.
IDC Error ellipse: s-maj=14.4km s-min=8.6km az=75.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s244.00000°,δ20.00000°,λ106.00000°. NP2: ϕ_s47.00000°,δ70.00000°,λ84.00000°. Principal axes: T Plg64.0000°,Azm308.0000° ; N Plg6.0000°,Azm49.0000°; P Plg25.0000°,Azm142.0000°
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=6.7km az=162.0. Recorded [4 JMA] in Ibaraki; [3 JMA] in Chiba, Saitama, Tochigi and Tokyo; [2 JMA] in Fukushima, Gumma and Kanagawa; [1 JMA] in Miyagi, Nagano, Shizuoka and Yamanashi. Also recorded [1 JMA] on Kozu-shima, Nii-jima, O-shima, Shikine-jima and To-shima. Moment Tensor Solution. $M_0$5.10000×10^{15}

(78) Costa Rica

ISC	**VIII**	**20 06 20 57.1–1.0**	**9.01N–.03**	**84.10W–.02**	**20–6**	**4.8s,4.7b**	**200**	**0-153**
IDC	VIII	20 06 20 53.6–.50	9.16N	84.08W	0	4.6,4.6s		¶13392179
CASC	VIII	20 06 20 55.9–1.5	8.97N	84.06W	8–0	4.9,4.8b		
ISCJB	VIII	20 06 20 56.7–.79	8.99N–.03	84.09W–.02	30–5	4.8s,4.7b		
BJI	VIII	20 06 20 56.2	9.00N	84.10W	20	5.3b,5.2s		
NEIC	VIII	20 06 20 57.2–.90	9.03N	84.08W	20–5	4.9b,4.7s		
SZGRF	VIII	20 06 21 00.1	8.96N	83.58W	33	5.0b,4.7s		
GCMT	VIII	20 06 21 03.1–.20	8.94N	83.99W	17–0	5.3W,4.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=20.4km s-min=10.9km az=57.0.
CASC Error ellipse: s-maj=3.5km s-min=3.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=25.1.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=3.9km az=211.0. Felt at Peninsula de Osa.
SZGRF Costa Rica.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c128; s90,c157; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s297.00000°,δ22.00000°,λ92.00000°. NP2:ϕ_s115.00000° ,δ68.00000°,λ89.00000°. Principal axes: T 1.0500,Plg67.0000°,Azm24.0000° ; N 0.0500,Plg1.0000°,Azm115.0000°; P -1.1000,Plg23.0000°,Azm206.0000° $M_0$1.10000×10^{17}

(249) Luzon

ISC	**VIII**	**20 13 18 06.5–.33**	**13.05N–.02**	**124.41E–.03**	**43–3**	**5.2b,4.8s**	**474**	**1-167**
IDC	VIII	20 13 17 59.6–.38	12.94N	124.38E	0	5.0,5.0		¶11180567
MAN	VIII	20 13 18 02	13.04N	124.35E	13	5.7b,5.2s		
BJI	VIII	20 13 18 03.2	12.89N	124.49E	44	5.3b,5.0s		
MOS	VIII	20 13 18 03.4–1.0	12.99N	124.36E	33	5.4b,4.8s		
ISCJB	VIII	20 13 18 04.0–.37	13.06N–.02	124.45E–.02	35–3	5.2b,4.8s		
GCMT	VIII	20 13 18 04.8–.10	13.11N	124.36E	22–1	5.3W,4.8s		
NEIC	VIII	20 13 18 05.2–.65	12.95N	124.32E	36–5	5.2b,5.0s		
TEH	VIII	20 13 18 06.0	12.91N	124.30E	35	5.2b,5.0s		
DJA	VIII	20 13 18 16	13.10N	124.38E	125	5.4W,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.1km s-min=10.2km az=69.0.
MAN Event type fe. INTENSITY V - CABID-AN SORSOGON CITY; INTENSITY IV - LEGASPI CITY; INTENSITY III - LIGNON HILL.
MOS Error ellipse: s-maj=8.7km s-min=4.8km az=116.7.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=171.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c102; s87,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.44±.17 $M_{\theta\theta}$3.74±.15; $M_{\phi\phi}$-3.31±.15; $M_{r\theta}$6.76±.44; $M_{\theta\phi}$6.24±.13; $M_{\phi r}$0.43±.25; Best double couple: NP1:ϕ_s11.00000°,δ48.00000°,λ178.00000°. NP2:ϕ_s102.00000°,δ89.00000°,λ42.00000°. Principal axes: T 10.8000,Plg29.0000° ,Azm335.0000°; N -2.3000,Plg48.0000°,Azm104.0000°; P -8.5000,Plg27.0000° ,Azm228.0000° $M_0$9.70000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.3km az=71.0. Felt [V PIVS] at Sorsogon and [IV PIVS] at Legaspi, Luzon.

(277) Jawa
ISC VIII 20 16 19 56.1–.37 8.56S–.05 110.91E–.02 95–3 4.4b 114 0-155
NEIC VIII 20 16 19 53.4–.25 8.32S 110.88E 67 4.6b **¶11180573**
ISCJB VIII 20 16 19 54.7–.38 8.56S–.05 110.90E–.02 98–3 4.4b
IDC VIII 20 16 19 54.2–.80 8.34S 110.85E 72–6 4.1,4.1
DJA VIII 20 16 19 55 8.79S 110.90E 39 5.3,4.1
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=5.6km az=46.0. Felt [IV] at Yogyakarta and [II] at Karangkates.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=2.8km az=12.8.
IDC Error ellipse: s-maj=17.6km s-min=11.3km az=54.0.

(456) Montana
ISC VIII 20 19 43 13.3–.15 46.207N–.01 111.33W–.01 10 191 0-27
NEIC VIII 20 19 43 12.0 46.20N 111.34W 10 3.6L **¶11207938**
IDC VIII 20 19 43 12.9–1.3 46.21N 111.09W 0 3.6,3.5L
ISCJB VIII 20 19 43 13.1–.15 46.207N–.01 111.36W–.01 10 3.6,3.5L
ISC Event type fe.
NEIC Event type fe. Felt in the Toston area. After BUT.
ISCJB Event type fe.

(228) Near east coast of eastern Honshu
ISC VIII 20 23 56 44.5–.94 37.76N–.03 141.87E–.09 42–7 3.9b 47 1-58
NIED VIII 20 23 56 00 37.80N 141.80E 41 3.7W **¶11747465**
IDC VIII 20 23 56 37.4–1.9 37.86N 142.24E 0 3.9b,3.9
ISCJB VIII 20 23 56 43.4–.91 37.74N–.03 141.88E–.09 52–6 3.9b,3.9
JMA VIII 20 23 56 44.2–.10 37.76N 141.83E 40–2 3.7,3.9
NEIC VIII 20 23 56 44.8–4.0 37.78N 141.93E 50–28 4.1b,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ70.00000°,λ81.00000°. NP2:ϕ_s224.00000°,δ22.00000°,λ112.00000°. $M_0$3.84000×10^{14}
IDC Error ellipse: s-maj=42.7km s-min=22.7km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.5km az=9.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=43.0km s-min=8.8km az=64.0. Recorded [1 JMA] in Fukushima.

(211) Southeast of Honshu
ISC VIII 21 02 28 48.7–.86 32.53N–.05 140.81E–.05 65–5 4.6b 113 1-149
NIED VIII 21 02 28 00 32.60N 140.90E 65 4.2W **¶13392230**
MOS VIII 21 02 28 42.6–1.1 32.36N 140.89E 33 4.7b
BJI VIII 21 02 28 44.7 32.59N 141.19E 74 4.6s,4.6b
ISCJB VIII 21 02 28 48.0–.87 32.56N–.05 140.78E–.05 76–5 4.6b,4.6b
IDC VIII 21 02 28 48.3–1.6 32.48N 140.74E 61–12 4.2,4.1
NEIC VIII 21 02 28 48.2–1.5 32.47N 140.75E 61–11 4.6b,4.2W
JMA VIII 21 02 28 49.0–.20 32.64N 140.87E 58 4.6,4.2W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ81.00000°,λ57.00000°. NP2:ϕ_s65.00000°,δ34.00000°,λ164.00000°. $M_0$2.45000×10^{15}
MOS Error ellipse: s-maj=16.0km s-min=7.5km az=114.8.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=6.5km az=144.1.
IDC Error ellipse: s-maj=18.6km s-min=14.3km az=83.0.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=10.3km az=174.0. Recorded [1 JMA] on Aoga-shima and Hachijo-jima. Moment Tensor Solution. $M_0$2.50000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

(232) Western Honshu
JMA VIII 21 08 47 57.7 35.01N 135.47E 14 3.6
NIED VIII 21 08 47 00 35.00N 135.50E 14 3.4W **¶11747467**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s309.00000°,δ75.00000°,λ-8.00000°. NP2:ϕ_s42.00000°,δ82.00000°,λ-165.00000°. Principal axes: T Plg5.0000°,Azm175.0000°; N Plg73.0000°,Azm68.0000°; P Plg16.0000° ,Azm266.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ82.00000°,λ151.00000°. NP2:ϕ_s315.00000°,δ61.00000°,λ9.00000°. $M_0$1.36000×10^{14}

(127) Chile-Argentina border region
ISC VIII 21 09 32 58.5–.19 25.17S–.04 68.61W–.04 109 5.3b 688 2-176
GUC VIII 21 09 32 56.5–.69 25.03S 68.79W 120–0 5.5L **¶11180596**
ISCJB VIII 21 09 32 56.9–.18 25.09S–.04 68.67W–.04 107 5.3b
IDC VIII 21 09 32 57.2–.38 25.32S 68.85W 103–3 4.9,4.8
MOS VIII 21 09 32 57.9–1.2 24.99S 68.67W 114 5.3b,4.8
NEIC VIII 21 09 32 57.6–.15 25.25S 68.70W 107 5.4W,5.3b
GCMT VIII 21 09 33 00.9–.20 25.29S 69.13W 118–1 5.3W,5.3b
DJA VIII 21 09 33 02 25.10S 68.62W 126 5.5b,5.3b
ISC Event type fe.
GUC Error ellipse: s-maj=6.5km s-min=6.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.0km az=38.3.
IDC Error ellipse: s-maj=16.3km s-min=10.9km az=71.0.
MOS Error ellipse: s-maj=12.8km s-min=6.7km az=107.7.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=3.9km az=53.0. Felt [IV] at Diego de Almagro and El Salvador; [III] at Chanaral and Taltal; [II] at Copiapo. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.33 $M_{\theta\theta}$0.20 $M_{\phi\phi}$1.13 $M_{r\theta}$0.21 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.59 Best double couple: NP1:ϕ_s176.00000°,δ32.00000°,λ-83.00000°. NP2:ϕ_s347.00000° ,δ58.00000°,λ-95.00000°. Principal axes: T 1.2900,Plg13.0000°,Azm80.0000° ; N 0.1900,Plg3.0000°,Azm349.0000°; P -1.4800,Plg76.0000°,Azm243.0000° $M_0$1.40000×10^{17}
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s64,c93; s85,c136; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.92±.02 $M_{\theta\theta}$-0.18±.02; $M_{\phi\phi}$1.10±.02; $M_{r\theta}$0.06±.02; $M_{\theta\phi}$-0.25±.02; $M_{\phi r}$-0.23±.02; Best double couple: NP1:ϕ_s170.00000°,δ39.00000°,λ-89.00000°. NP2:ϕ_s348.00000°,δ51.00000°,λ-91.00000°. Principal axes: T 1.1700,Plg6.0000° ,Azm79.0000°; N -0.2300,Plg1.0000°,Azm349.0000°; P -0.9500,Plg83.0000°,Azm252.0000° $M_0$1.10000×10^{17}

(297) Myanmar-China border region
ISC VIII 21 12 24 31.9–.10 25.21N–.02 97.72E–.02 10 5.8s,5.4b 978 3-169
BJI VIII 21 12 24 27.8 24.91N 97.79E 14 6.1s,5.8L **¶13392265**
NEIC VIII 21 12 24 30.9–.14 25.04N 97.70E 10 6.6,6.0W
ISCJB VIII 21 12 24 30.0–.11 25.20N–.02 97.69E–.02 10 5.8s,5.4b
IDC VIII 21 12 24 31.0–1.7 25.10N 98.06E 16–9 5.7L,5.6s
MOS VIII 21 12 24 31.7–1.1 25.01N 97.83E 33 5.7s,5.6b
GCMT VIII 21 12 24 35.7–.10 24.92N 97.99E 18–0 6.0W,5.6b
SZGRF VIII 21 12 24 35.6 24.70N 97.42E 33 5.9b,5.9s
DJA VIII 21 12 24 35 25.28N 97.95E 13 5.9W,5.9s
BGS VIII 21 12 24 36.3–2.3 26.19N 97.65E 10–0 5.9s,5.3b
CSEM VIII 21 12 24 48.0–99 33.00N 8.00E 1 5.9s,5.3b
ISC Event type de.
NEIC Event type de. Error ellipse: s-maj=4.6km s-min=3.0km az=23.0. Five people killed, 127 injured and severe damage at Yingjiang, China. Felt [II] at Bangkok, Thailand. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000° ,δ85.00000°,λ-10.00000°. NP2:ϕ_s326.00000°,δ80.00000°,λ-175.00000°. Principal axes: T Plg3.0000°,Azm281.0000°; N Plg0.0000°,Azm0.0000°; P Plg11.0000°,Azm190.0000° Moment Tensor Solution. s81 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s295.00000°,δ34.00000°,λ0.00000°. NP2:ϕ_s205.00000°,δ90.00000°,λ124.00000°. Principal axes: T 1.2400,Plg36.0000° ,Azm143.0000°; N -0.5500,Plg33.0000°,Azm24.0000°; P -0.6900,Plg35.0000° ,Azm265.0000° $M_0$1.10000×10^{18}
ISCJB Event type de. Error ellipse: s-maj=2.8km s-min=2.0km az=13.7.
IDC Error ellipse: s-maj=11.8km s-min=8.0km az=53.0.
MOS Error ellipse: s-maj=7.8km s-min=4.0km az=121.6.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=111, comp=254, per= 50. Moment Tensor Solution. s105,c200; s81,c128; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07±.01 $M_{\theta\theta}$0.36±.01; $M_{\phi\phi}$-0.28±.01; $M_{r\theta}$0.24±.02; $M_{\theta\phi}$1.25±.01; $M_{\phi r}$0.05±.02; Best double couple: NP1:ϕ_s7.00000°,δ80.00000°,λ178.00000°. NP2:ϕ_s97.00000°,δ88.00000°,λ10.00000°. Principal axes: T 1.3600,Plg9.0000°,Azm323.0000°; N -0.1000,Plg80.0000°,Azm111.0000° ; P -1.2600,Plg5.0000°,Azm232.0000° $M_0$1.30000×10^{18}
SZGRF Myanmar-China border region.
BGS Error ellipse: s-maj=724.6km s-min=962.9km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MOLD.

(76) Off coast of central America
ISC VIII 21 16 13 02.6–.34 12.93N–.04 88.95W–.03 45–3 4.3b,3.7s 253 1-148
ISCJB VIII 21 16 13 01.5–.38 12.90N–.04 88.97W–.03 55–3 4.3b,3.7s **¶11180603**
IDC VIII 21 16 13 01.4–2.5 13.13N 88.73W 41–19 4.2,4.0
MEX VIII 21 16 13 01.0–.77 12.31N 89.41W 33–999 4.7,4.0
CASC VIII 21 16 13 02.2–2.7 12.92N 88.97W 34–21 4.6L,4.5b
NEIC VIII 21 16 13 03.2–.76 12.90N 88.91W 66–7 4.8,4.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=3.0km az=36.6.
IDC Error ellipse: s-maj=29.8km s-min=18.0km az=41.0.
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CASC Error ellipse: s-maj=8.1km s-min=6.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=6.9km az=206.0. Felt [III] at San Salvador.

(265) Minahassa Peninsula, Sulawesi
ISC VIII 21 21 30 47.8–.15 0.36S–.02 119.66E–.02 53 5.0b,4.1s 258 1-162
BJI VIII 21 21 30 42.4 0.86S 119.88E 56 5.3b,5.0s **¶11180607**
MOS VIII 21 21 30 43.7–.99 0.25S 119.72E 33 5.2b,5.0s
ISCJB VIII 21 21 30 45.8–.15 0.35S–.02 119.66E–.02 51 5.0b,4.1s
DJA VIII 21 21 30 45 0.39S 119.64E 13 5.0b,4.1s
IDC VIII 21 21 30 47.4–.53 0.33S 119.68E 50–4 4.4,4.4
NEIC VIII 21 21 30 48.0–.99 0.29S 119.73E 57–9 5.0b,4.4
GCMT VIII 21 21 30 49.0–.30 0.09S 119.75E 30–0 5.0W,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=12.2km s-min=6.4km az=117.6.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=150.1.
IDC Error ellipse: s-maj=17.6km s-min=9.6km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=4.8km az=66.0. Felt [III] at Palu.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s40,c48; s56,c91; Moment tensor: Scale 10^{16}Nm; M_{rr}3.77±.21 $M_{\theta\theta}$-0.32±.13; $M_{\phi\phi}$-3.46±.17; $M_{r\theta}$-1.41±.22; $M_{\theta\phi}$-2.16±.09; $M_{\phi r}$1.15±.23; Best double couple: NP1:ϕ_s230.00000°,δ47.00000°,λ125.00000°. NP2:ϕ_s4.00000°,δ53.00000°,λ58.00000°. Principal axes: T 4.6100,Plg65.0000° ,Azm212.0000°; N -0.0400,Plg25.0000°,Azm25.0000°; P -4.5800,Plg3.0000°,Azm116.0000° $M_0$4.60000×10^{16}

(230) Near south coast of eastern Honshu
ISC VIII 22 00 25 50.6–.35 34.99N–.03 139.95E–.03 33–2 3.9b 51 0-59
NEIC VIII 22 00 25 47.2–4.1 34.90N 139.96E 8–26 4.3b **¶11908561**
ISCJB VIII 22 00 25 49.9–.33 35.00N–.04 139.96E–.04 43–3 3.9b
JMA VIII 22 00 25 50.9–.20 35.09N 139.98E 27–2 3.2
IDC VIII 22 00 25 51.5–3.2 34.96N 139.96E 35–27 3.6,3.5L
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.7km az=92.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.3km az=29.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=34.8km s-min=15.7km az=82.0.

(244) Taiwan
ISC VIII 22 02 55 58.3–.21 24.11N–.01 121.33E–.02 10–2 3.8b 103 0-59
NEIC VIII 22 02 55 56.7–.50 24.06N 121.32E 10 4.1L **¶11908571**
IDC VIII 22 02 55 56.4–1.6 23.77N 120.80E 0 3.9,3.8b
TAP VIII 22 02 55 57.3 24.11N 121.30E 5–0 4.0L,3.8b
ISCJB VIII 22 02 55 58.1–.24 24.11N–.01 121.32E–.02 5–2 3.8b,3.8b
ISC Event type fe.
NEIC Event type fe. Recorded [5 TAP] in Nan-t'ou, [3 TAP] in Hua-lien, [2 TAP] in T'ai-chung and [1 TAP] in I-lan.
TAP B.
ISCJB Event type fe.

(1) Central Alaska
NEIC VIII 22 04 24 25.8 64.64N 147.76W 19 3.5L,3.1L
¶12100146
NEIC Event type fe. Felt [III] at North Pole and [II] at Fairbanks. After AEIC.

(227) Eastern Honshu
ISC VIII 22 05 45 16.2–.56 39.13N–.03 140.95E–.04 4–7 3.3b 16 0-48
ISCJB VIII 22 05 45 15.5–.55 39.14N–.03 140.94E–.04 12–5 3.3b **¶13522815**
JMA VIII 22 05 45 15.8 39.13N 140.93E 9–1 3.2
IDC VIII 22 05 45 15.9–2.2 39.27N 140.88E 0 3.5,3.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.4km az=137.5.
JMA Event type fe.
IDC Error ellipse: s-maj=58.2km s-min=28.0km az=143.0.

(227) Eastern Honshu
ISC VIII 22 06 02 40.0–.47 39.12N–.03 140.93E–.04 7–3 4.4b,3.3s 88 0-146
NIED VIII 22 06 02 00 39.10N 140.90E 5 4.0W,3.3s **¶11184391**
ISCJB VIII 22 06 02 39.4–.56 39.15N–.03 140.95E–.04 14–3 4.4b,3.3s
JMA VIII 22 06 02 39.7 39.13N 140.93E 10–1 4.1,3.3s
NEIC VIII 22 06 02 39.7 39.14N 140.93E 10 4.5b,4.0W
BJI VIII 22 06 02 41.7 39.11N 140.43E 8 4.9b,4.7b
MOS VIII 22 06 02 42.1–1.2 39.13N 140.88E 33 4.6b,4.7b
IDC VIII 22 06 02 46.0–3.1 39.10N 140.81E 56–29 4.0,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ55.00000°,λ88.00000°. NP2:ϕ_s201.00000°,δ35.00000°,λ93.00000°. $M_0$1.32000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.2km az=179.2.
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Akita, Iwate and Miyagi. After JMA. Moment Tensor Solution. $M_0$1.30000×10^{15}
MOS Error ellipse: s-maj=13.1km s-min=7.9km az=83.4.
IDC Error ellipse: s-maj=17.8km s-min=16.3km az=101.0.

(716) Kyrgyzstan
ISC VIII 22 08 26 56.9–.96 41.41N–.02 69.17E–.03 0–6 4.3b 172 2-96
IDC VIII 22 08 26 55.5–.65 41.21N 69.28E 0 4.3,4.2L **¶13392314**
NNC VIII 22 08 26 57.7–1.4 41.47N 68.91E 0 5.3,4.8b
NEIC VIII 22 08 26 58.7–.51 41.44N 69.20E 10 4.4b,4.8b
MOS VIII 22 08 26 59.7–2.0 41.45N 69.27E 33 4.5b,4.8b
BJI VIII 22 08 27 04.4 41.49N 70.13E 10 5.0b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=11.3km s-min=8.3km az=180.0.
NNC Error ellipse: s-maj=12.5km s-min=8.2km az=158.0.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=7.8km az=170.0. Felt at Tashkent.
MOS Event type fe. Error ellipse: s-maj=8.3km s-min=5.5km az=90.8. Felt (II) at Chimkent. Moment Tensor Solution.

(228) Near east coast of eastern Honshu
ISC VIII 22 10 59 51.5–.21 36.50N–.02 140.44E–.02 61–1 5.4b 1349 0-162
NIED VIII 22 10 59 00 36.50N 140.70E 59 5.1W **¶13392325**
BJI VIII 22 10 59 43.2 36.31N 140.94E 41 5.4b,5.2b
MOS VIII 22 10 59 46.6–.79 36.52N 140.45E 33 5.7b,4.3s
SZGRF VIII 22 10 59 47.6 37.14N 141.70E 33 5.7b,4.8s
JMA VIII 22 10 59 50.1–.10 36.44N 140.62E 56–1 5.2,4.8s
ISCJB VIII 22 10 59 50.5–.21 36.48N–.02 140.44E–.02 65–1 5.3b,4.8s
NEIC VIII 22 10 59 50.1–.48 36.46N 140.40E 52–4 5.2b,5.1W
IDC VIII 22 10 59 51.9–1.1 36.43N 140.45E 70–9 5.0,5.0
BGS VIII 22 10 59 54.5–1.6 36.56N 137.60E 50–999 5.4b,5.0
GCMT VIII 22 10 59 54.5–.20 36.45N 140.72E 59–1 5.2W,5.0
DJA VIII 22 10 59 56 36.41N 140.32E 94 5.7b,5.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ67.00000°,λ86.00000°. NP2:ϕ_s207.00000°,δ23.00000°,λ99.00000°. $M_0$5.02000×10^{16}
MOS Error ellipse: s-maj=7.0km s-min=3.6km az=107.8.
SZGRF Near east coast of eastern Honshu, Japan.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s213.00000°,δ16.00000°,λ102.00000°. NP2:ϕ_s20.00000°,δ74.00000°,λ86.00000°. Principal axes: T Plg61.0000°,Azm285.0000°; N Plg3.0000°,Azm21.0000°; P Plg29.0000° ,Azm113.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=153.7.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.5km az=153.0. Moment Tensor Solution. $M_0$5.00000×10^{16}
IDC Error ellipse: s-maj=10.7km s-min=7.0km az=88.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s50,c71; s86,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}6.32±.23 $M_{\theta\theta}$-0.47±.17; $M_{\phi\phi}$-5.85±.16; $M_{r\theta}$0.61±.13; $M_{\theta\phi}$-2.21±.12; $M_{\phi r}$3.13±.12; Best double couple: NP1:ϕ_s204.00000°,δ32.00000°,λ97.00000°. NP2:ϕ_s16.00000°,δ58.00000°,λ86.00000°. Principal axes: T 7.0800,Plg76.0000° ,Azm272.0000°; N 0.2900,Plg4.0000°,Azm18.0000°; P -7.3700,Plg13.0000°,Azm109.0000° $M_0$7.20000×10^{16}

(80) Panama-Costa Rica border region
ISC VIII 22 11 04 55.5–.45 8.35N–.04 82.75W–.02 39–2 5.0b,4.5s 583 0-153
MOS VIII 22 11 04 50.8–1.3 8.59N 82.71W 10 5.2b,4.5s **¶11184403**
CASC VIII 22 11 04 52.1–2.6 8.26N 82.75W 17–8 5.0b,4.5
ISCJB VIII 22 11 04 54.1–.43 8.40N–.04 82.76W–.02 41–2 5.0b,4.5s
BJI VIII 22 11 04 55.5 8.30N 82.80W 44 5.4s,5.4b

NEIC VIII 22 11 04 56.5–.70 8.32N 82.80W 54–6 5.0b,5.4b
IDC VIII 22 11 04 56.9–2.8 8.33N 82.76W 63–25 4.4,4.3
GCMT VIII 22 11 04 57.5–.30 8.36N 82.75W 28–0 5.0W,4.3
ISC Event type fe.
MOS Error ellipse: s-maj=16.9km s-min=6.2km az=119.1.
CASC Error ellipse: s-maj=6.6km s-min=5.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.0km az=18.5.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.1km az=209.0. Felt at Dolega and Gualaca, Panama. Also felt at Coto Brus, Costa Rica.
IDC Error ellipse: s-maj=20.9km s-min=11.6km az=51.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s37,c46; s67,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}3.73±.20 $M_{\theta\theta}$-2.16±.13; $M_{\phi\phi}$-1.57±.16; $M_{r\theta}$0.22±.17; $M_{\theta\phi}$2.34±.08; $M_{\phi r}$0.76±.24; Best double couple: NP1:ϕ_s120.00000°,δ44.00000°,λ73.00000°. NP2:ϕ_s323.00000°,δ49.00000°,λ106.00000°. Principal axes: T 3.8900,Plg78.0000° ,Azm300.0000°; N 0.3400,Plg12.0000°,Azm132.0000°; P -4.2400,Plg2.0000°,Azm42.0000° M_o4.10000×10^{16}

(163) Cook Strait

WEL VIII 22 16 43 16.3–.14 40.09S 175.00E 21–2 3.5L ¶11326093

WEL Event type fe. Error ellipse: s-maj=1.5km s-min=0.7km az=90.0. Felt from Wanganui to Manawatu, maximum reported intensity MM 4.

(159) North Island

WEL VIII 22 16 48 01.8–.07 38.85S 175.97E 5 3.6L ¶11326094

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0. Felt in the Taupo region, maximum reported intensity MM 4.

(315) India-Bangladesh border region

ISC VIII 22 18 06 53.2–1.0 22.42N–.03 92.48E–.03 33–8 4.5b,3.7s 165 2-152
ISCJB VIII 22 18 06 50.1–1.0 22.41N–.03 92.47E–.03 25–8 4.5b,3.7s **¶13392343**
MOS VIII 22 18 06 50.9–1.7 22.44N 92.64E 33 4.7b,4.1s
BJI VIII 22 18 06 51.6 22.58N 92.63E 19 4.9b,4.8b
NEIC VIII 22 18 06 54.4–.19 22.45N 92.54E 47 4.7b,4.8b
IDC VIII 22 18 06 54.2–.52 22.46N 92.58E 44–4 4.1,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=33.8.
MOS Error ellipse: s-maj=32.7km s-min=9.8km az=121.5.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=3.9km az=46.0. Felt at Chittagong, Bangladesh.
IDC Error ellipse: s-maj=16.3km s-min=10.4km az=56.0.

(112) Peru-Brazil border region

ISC VIII 22 21 03 26.3–.16 8.35S–.03 74.27W–.02 160 5.1b 983 4-168
SZGRF VIII 22 21 02 53.8 12.29S 75.48W 33 5.6b **¶13392350**
BGS VIII 22 21 03 22.8–1.6 8.62S 74.36W 149–0 5.3b
NEIC VIII 22 21 03 24.8–.54 8.36S 74.27W 149–4 5.2b
ISCJB VIII 22 21 03 24.4–.16 8.33S–.03 74.38W–.02 158 5.1b
IDC VIII 22 21 03 25.2–.37 8.31S 74.27W 154–2 4.8,4.8
BJI VIII 22 21 03 26.4 8.37S 74.92W 168 5.3b,4.8
MOS VIII 22 21 03 26.4–.74 8.00S 74.31W 162 5.3b,4.8
GCMT VIII 22 21 03 26.5–.20 8.37S 74.36W 158–1 5.2W,4.8
ISC Event type fe.
SZGRF Central Peru.
BGS Error ellipse: s-maj=692.8km s-min=239.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=217.0. Felt [III] at Pucallpa.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.4km az=25.2.
IDC Error ellipse: s-maj=10.6km s-min=7.3km az=53.0.
MOS Error ellipse: s-maj=7.7km s-min=5.2km az=75.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c72; s80,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}2.04±.16 $M_{\theta\theta}$0.51±.18; $M_{\phi\phi}$-2.55±.21; $M_{r\theta}$2.48±.11; $M_{\theta\phi}$1.03±.20; $M_{\phi r}$-6.32±.14; Best double couple: NP1:ϕ_s351.00000°,δ10.00000°,λ103.00000°. NP2:ϕ_s159.00000°,δ80.00000°,λ88.00000°. Principal axes: T 6.8200,Plg55.0000° ,Azm66.0000°; N 0.8000,Plg2.0000°,Azm159.0000°; P -7.6200,Plg35.0000°,Azm251.0000° M_o7.20000×10^{16}

(460) Wyoming

ISC VIII 22 23 49 22.1–.33 43.68N–.02 105.35W–.03 0 3.9b 110 1-90
IDC VIII 22 23 49 22.3–2.3 44.08N 105.83W 0 3.9,3.8b **¶11908609**
NEIC VIII 22 23 49 22.1–.23 43.79N 105.23W 0 3.2L,3.8b
ISC Event type fm.
IDC Error ellipse: s-maj=82.1km s-min=8.8km az=146.0.
NEIC Event type fm. Error ellipse: s-maj=3.1km s-min=3.0km az=58.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(337) Eastern Caucasus

ISC VIII 23 07 29 30.6–.46 43.22N–.03 47.25E–.02 6–4 4.3b,3.2s 259 0-60
ISCJB VIII 23 07 29 29.7–.22 43.26N–.02 47.26E–.02 14 4.3b,3.2s **¶13392378**
IDC VIII 23 07 29 30.7–.79 42.98N 47.21E 15–5 4.1L,4.0b
MOS VIII 23 07 29 30.1–2.1 43.24N 47.45E 12 4.9b,4.0b
CSEM VIII 23 07 29 31.8–.18 43.17N 47.31E 14 4.3b,4.0b
NEIC VIII 23 07 29 32.4–.51 43.38N 47.31E 10 4.7b,4.0b
NNC VIII 23 07 29 44.2–4.5 43.85N 48.54E 0 4.1b,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.1km az=24.7.
IDC Error ellipse: s-maj=16.6km s-min=8.1km az=131.0.
MOS Event type fe. Error ellipse: s-maj=5.1km s-min=4.2km az=93.2. Felt (III) at Bogatyrevka, (II-III) at Makhachkala. Moment Tensor Solution.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.6km az=77.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.1km az=161.0.
NNC Error ellipse: s-maj=49.9km s-min=33.3km az=127.0.

(227) Eastern Honshu

ISC VIII 23 19 22 09.5–.47 38.99N–.03 140.89E–.04 10 3.7b 22 0-63
NIED VIII 23 19 22 00 39.00N 140.90E 5 3.5W **¶11747485**
ISCJB VIII 23 19 22 09.1–.46 38.99N–.03 140.92E–.04 10 3.7b
JMA VIII 23 19 22 09.4 38.99N 140.88E 5–1 3.5
IDC VIII 23 19 22 11.0–2.7 38.68N 141.08E 0 3.8,3.6b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ47.00000°,λ80.00000°. NP2:ϕ_s48.00000°,δ44.00000°,λ100.00000°. M_o1.82000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=35.4.
JMA Event type fe.
IDC Error ellipse: s-maj=54.5km s-min=25.6km az=155.0.

(233) Near south coast of western Honshu

ISC VIII 23 20 44 54.5–.41 33.65N–.04 135.15E–.03 38–4 4.0b,3.0s 52 0-77
IDC VIII 23 20 44 48.8–.79 33.66N 135.17E 0 4.0,3.9b **¶11207956**
BJI VIII 23 20 44 53.9 33.60N 135.30E 46 4.7b,4.2b
ISCJB VIII 23 20 44 53.5–.40 33.64N–.04 135.18E–.03 48–3 4.0b,3.0s
JMA VIII 23 20 44 54.5 33.67N 135.16E 45–1 4.3,3.0s
NEIC VIII 23 20 44 55.0–.98 33.63N 135.26E 46–9 4.3b,3.0s
NIED VIII 23 20 45 00 33.70N 135.20E 38 4.2W,3.0s
ISC Event type fe.
IDC Error ellipse: s-maj=21.8km s-min=17.8km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.1km az=168.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s145.00000°,δ40.00000°,λ-122.00000°. NP2:ϕ_s4.00000°,δ57.00000°,λ-66.00000°. Principal axes: T Plg9.0000°,Azm77.0000°; N Plg20.0000°,Azm170.0000°; P Plg68.0000° ,Azm324.0000°
NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=8.3km az=152.0. Recorded [3 JMA] in Wakayama and [1 JMA] in Nara. Recorded [2 JMA] in Tokushima and [1 JMA] in Kagawa, Shikoku.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ77.00000°,λ-56.00000°. NP2:ϕ_s122.00000°,δ36.00000°,λ-158.00000°. M_o1.90000×10^{15}

(545) Northern Italy

ISC VIII 23 21 36 07.5–.31 44.12N–.02 9.98E–.02 4–2 288 0-10
ROM VIII 23 21 36 06.4–.17 44.15N 10.03E 3–0 3.0L,2.8 **¶11227260**
NEIC VIII 23 21 36 07.0 44.21N 10.08E 7 3.4L,3.2L
CSEM VIII 23 21 36 07.3–.12 44.10N 9.98E 2 3.2L,3.2L
ISCJB VIII 23 21 36 07.1–.31 44.13N–.02 10.00E–.02 9–2 3.2L,3.2L
LDG VIII 23 21 36 09.3–.09 44.09N 10.18E 10–0 3.2L,2.8
STR VIII 23 21 36 09.1–.70 43.88N 9.79E 10–0 3.4L,2.8
VIE VIII 23 21 36 09.8–.47 44.17N 10.23E 9–4 3.1L,2.7b
PRU VIII 23 21 36 12.0 44.33N 10.39E 0 3.1L,2.7b
ISC Event type fe.
ROM Event type ke. Error ellipse: s-maj=3.1km s-min=1.6km az=25.0.
NEIC Event type fe. Felt at Bagnone and Fivizzano. After ROM.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=4.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=177.4.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=14.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
VIE Error ellipse: s-maj=6.9km s-min=3.2km az=1.0. 93 km WNW of Florence .

(235) Kyushu

ISC VIII 24 00 25 45.6–.63 30.44N–.04 131.12E–.05 38–4 4.4b,3.9s 102 0-94
NIED VIII 24 00 25 00 30.40N 131.30E 20 4.5W,3.9s **¶11184444**
IDC VIII 24 00 25 40.1–.57 30.44N 130.89E 0 4.4,4.3
MOS VIII 24 00 25 43.1–1.2 30.45N 131.05E 33 4.8b,4.3
JMA VIII 24 00 25 43.4–.10 30.40N 131.27E 26–1 4.5,4.3
ISCJB VIII 24 00 25 44.1–.67 30.41N–.05 131.12E–.05 44–4 4.4b,3.9s
NEIC VIII 24 00 25 45.5–.35 30.46N 131.01E 35 4.7b,4.5W
SZGRF VIII 24 00 25 45.5 29.97N 130.85E 33 4.7b,4.5W
BJI VIII 24 00 25 46.4 30.50N 131.00E 35 4.8b,4.7b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s245.00000°,δ88.00000°,λ-99.00000°. NP2:ϕ_s141.00000°,δ9.00000°,λ-15.00000°. M_o6.23000×10^{15}
IDC Error ellipse: s-maj=21.6km s-min=13.4km az=67.0.
MOS Error ellipse: s-maj=13.0km s-min=7.1km az=107.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=7.3km az=140.0.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=7.9km az=69.0. Recorded [2 JMA] in Kagoshima. Recorded [1 JMA] on Tanega-shima. Moment Tensor Solution. M_o6.20000×10^{15}
SZGRF Ryukyu Islands, Japan.

(207) Eastern New Guinea region

ISC VIII 24 02 03 43.1–7.3 10.34S–.09 150.3E–.10 20–45 4.3b,3.9s 35 3-149
BJI VIII 24 02 03 38.0 10.40S 150.50E 5 5.1b,4.8b **¶11653062**
IDC VIII 24 02 03 39.3–.87 10.38S 150.52E 0 4.5L,4.4
NEIC VIII 24 02 03 40.0–6.0 10.36S 150.47E 5–36 4.7b,4.4
ISC Event type fe.
IDC Error ellipse: s-maj=33.5km s-min=16.2km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=19.6km s-min=9.1km az=77.0. Felt at Alotau.

(14) Kenai Peninsula

ISC VIII 24 06 29 59.8–.37 60.40N–.03 151.93W–.07 86–4 3.8b 65 1-148
ISCJB VIII 24 06 29 58.5–.37 60.41N–.03 151.90W–.07 93–4 3.8b **¶11908679**
IDC VIII 24 06 29 58.8–1.2 60.48N 152.09W 72–12 3.7,3.6b
NEIC VIII 24 06 30 00.7 60.39N 151.96W 72 3.6,3.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=5.0km az=178.8.
IDC Error ellipse: s-maj=17.4km s-min=9.3km az=109.0.
NEIC Event type fe. Felt on the Kenai Peninsula. After AEIC.

(76) Off coast of central America

ISC VIII 24 08 59 59.6–.36 12.74N–.04 88.59W–.03 51–3 3.8b,3.1s 126 1-148
IDC VIII 24 08 59 51.7–1.1 13.19N 87.80W 0 4.1,3.9 **¶11908689**
ISCJB VIII 24 08 59 58.1–.39 12.69N–.04 88.62W–.03 57–3 3.8b,3.1s
CASC VIII 24 08 59 58.7–1.9 12.71N 88.63W 43–90 4.4,4.3L
NEIC VIII 24 09 00 01.3–1.2 12.84N 88.46W 79–8 4.2,4.1b
MEX VIII 24 09 00 06.2–2.1 11.03N 92.08W 20–999 4.6,4.1b
ISC Event type fe.
IDC Error ellipse: s-maj=57.9km s-min=20.5km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=2.9km az=37.5.
CASC Error ellipse: s-maj=11.2km s-min=6.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=14.3km s-min=11.3km az=190.0. Felt [II] at San Salvador.
MEX Error ellipse: s-maj=838.7km s-min=258.0km az=-1.0.

(224) Hokkaido region

ISC VIII 24 16 32 33.4–.31 41.80N–.03 141.23E–.05 103–2 3.9b 70 0-77
ISCJB VIII 24 16 32 32.3–.31 41.80N–.03 141.22E–.05 109–2 3.9b **¶13392494**
JMA VIII 24 16 32 33.9–.10 41.83N 141.27E 96–1 3.4
IDC VIII 24 16 32 34.0–1.3 41.82N 141.17E 107–12 3.7,3.6b
MOS VIII 24 16 32 34.0–1.1 41.86N 141.25E 130 4.1b,3.6b
BJI VIII 24 16 32 34.8 42.17N 141.35E 129 4.6b,4.5b
NEIC VIII 24 16 32 35.3–.75 41.86N 141.13E 118–7 3.7b,4.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.9km az=28.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=17.3km s-min=11.1km az=114.0.
MOS Error ellipse: s-maj=15.1km s-min=9.6km az=80.3.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.0km az=104.0.

(230) Near south coast of eastern Honshu

ISC VIII 24 21 56 16.9–.44 34.29N–.03 139.19E–.04 11–3 3.8b 40 0-93
IDC VIII 24 21 56 15.4–.96 34.19N 139.19E 0 3.9,3.6b **¶11207963**
ISCJB VIII 24 21 56 16.5–.42 34.26N–.03 139.20E–.04 21–3 3.8b,3.6b
JMA VIII 24 21 56 16.8 34.32N 139.17E 8–1 3.0,3.6b
NEIC VIII 24 21 56 20.0–.57 34.23N 139.17E 35 4.1b,3.6b
ISC Event type fe.
IDC Error ellipse: s-maj=34.7km s-min=16.2km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=5.0km az=150.6.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.5km az=100.0.

(232) Western Honshu

ISC VIII 24 22 06 58.7–.71 35.58N–.04 135.10E–.05 11–6 12 0-3
ISCJB VIII 24 22 06 58.3–.69 35.59N–.05 135.12E–.05 12–4 **¶11207964**
JMA VIII 24 22 06 59.1 35.58N 135.10E 9 3.2
NIED VIII 24 22 07 00 35.60N 135.10E 8 3.2W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=6.1km az=168.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s7.00000°,δ25.00000°,λ-21.00000°. NP2:ϕ_s115.00000°,δ81.00000°,λ-114.00000°. Principal axes: T Plg32.0000°,Azm225.0000°; N Plg24.0000°,Azm119.0000°; P Plg48.0000° ,Azm0.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s260.00000°,δ76.00000°,λ89.00000°. NP2:ϕ_s83.00000°,δ14.00000°,λ93.00000°. M_o7.69000×10^{13}

(256) Leyte

ISC VIII 25 02 43 08.9–.35 10.29N–.02 125.30E–.03 48–3 5.7s,5.5b 588 1-166
DJA VIII 25 02 43 04 10.75N 125.67E 30 5.5b,5.5b **¶13392533**
MAN VIII 25 02 43 05 10.24N 125.11E 5 6.1b,5.7s
MOS VIII 25 02 43 05.8–1.1 10.34N 125.23E 33 5.7b,5.6s
IDC VIII 25 02 43 05.7–2.0 10.36N 125.23E 21–12 5.6s,5.6
ISCJB VIII 25 02 43 06.3–.37 10.28N–.02 125.32E–.02 40–3 5.7s,5.5b
NEIC VIII 25 02 43 06.4–.16 10.31N 125.25E 27 5.8W,5.8W
BJI VIII 25 02 43 06.0 10.22N 125.47E 49 5.9s,5.7b
GCMT VIII 25 02 43 08.3–.10 10.30N 125.27E 12 5.8W,5.7b
TEH VIII 25 02 43 09.0 10.25N 125.28E 49 5.8W,5.7b
ISC Event type fe.
MAN Event type fe. INTENSITY VI - ST BERNARD S. LEYTE; INTENSITY V - HILONGOS; SOGOD S. LEYTE; INTENSITY IV - SURIGAO CITY.
MOS Error ellipse: s-maj=8.4km s-min=4.2km az=117.6.
IDC Error ellipse: s-maj=14.8km s-min=7.5km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=161.0.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.6km az=60.0. Felt [V PIVS] at Hilongos and Sogod; [IV PIVS] at Saint Bernard; [III PIVS] at Maasin and Tacloban. Also felt [IV PIVS] at Surigao and [II PIVS] at Butuan, Mindanao. Felt [II PIVS] at Cebu City, Cebu and on Camiguin Island. Felt at Talisay, Negros. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74 $M_{\theta\theta}$4.32 $M_{\phi\phi}$-5.07 $M_{r\theta}$0.44 $M_{\theta\phi}$-3.07 $M_{\phi r}$-0.72 Best double couple: NP1:ϕ_s152.00000°,δ88.00000°,λ9.00000°. NP2:ϕ_s61.00000°,δ81.00000°,λ178.00000°. Principal axes: T 5.3200,Plg7.0000°,Azm16.0000°; N 0.7000,Plg80.0000°,Azm165.0000° ; P -6.0300,Plg4.0000°,Azm286.0000° M_o5.70000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=119, comp=249, per= 50. Moment Tensor Solution. s105,c201; s80,c111; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.05 $M_{\theta\theta}$5.43±.05; $M_{\phi\phi}$-4.41±.06; $M_{r\theta}$0.07±.15; $M_{\theta\phi}$-4.99±.05; $M_{\phi r}$-1.67±.15; Best double couple: NP1:ϕ_s68.00000°,δ76.00000°,λ-173.00000°. NP2:ϕ_s337.00000°,δ83.00000°,λ-14.00000°. Principal axes: T 7.5800,Plg5.0000°,Azm23.0000°; N -0.6900,Plg75.0000°,Azm131.0000° ; P -6.8900,Plg15.0000°,Azm292.0000° M_o7.20000×10^{17}

(159) North Island

WEL VIII 25 03 32 24.4–.31 37.98S 176.47E 152–2 4.2L ¶11326150

WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.7km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.

(12) Alaska Peninsula

ISC VIII 25 04 32 42.2–.67 55.29N–.07 159.08W–.09 46–6 4.0b 50 1-85

BJI VIII 25 04 32 38.2 55.30N 159.20W 20 5.1b,4.7s ¶11653076
ISCJB VIII 25 04 32 40.7–.73 55.30N–.08 159.07W–.09 51–6 4.0b,4.7s
IDC VIII 25 04 32 41.4–.80 55.35N 159.27W 40–5 4.3L,3.9
NEIC VIII 25 04 32 42.3–.70 55.29N 159.18W 51–6 4.5L,4.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.4km s-min=5.4km az=150.6.
IDC Error ellipse: s-maj=25.4km s-min=12.1km az=13.0.
NEIC Event type fe. Error ellipse: s-maj=13.7km s-min=5.6km az=152.0. Felt at Chignik.

(111) Northern Peru

ISC VIII 25 09 06 43.1–1.1 7.66S–.06 77.7W–.10 45–11 4.2b,3.5s 30 1-146
IDC VIII 25 09 06 36.8–.62 7.60S 77.76W 0 4.2,4.2 ¶11908745
NEIC VIII 25 09 06 43.3–.99 7.65S 77.58W 52–10 4.3b,4.2
ISC Event type fe.
IDC Error ellipse: s-maj=21.2km s-min=8.3km az=40.0.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=6.4km az=72.0. Felt [II] at Huamachuco and Santiago de Chuco.

(227) Eastern Honshu

ISC VIII 25 10 35 00.3–.56 39.14N–.03 140.94E–.04 1–6 3.6b 22 0-59
IDC VIII 25 10 34 55.5–1.8 39.11N 141.61E 0 3.4b,3.4 ¶11908749
ISCJB VIII 25 10 34 59.8–.54 39.14N–.03 140.95E–.04 8–5 3.6b,3.4
NEIC VIII 25 10 35 00.0 39.15N 140.93E 10 3.2,3.4
JMA VIII 25 10 35 00.0 39.15N 140.93E 10–1 3.2,3.4
ISC Event type fe.
IDC Error ellipse: s-maj=38.5km s-min=23.3km az=97.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.7km az=175.9.
NEIC Event type se. After JMA.
JMA Event type fe.

(159) North Island

ISC VIII 25 11 25 19.8–.35 39.73S–.02 176.53E–.03 28–2 5.5b,5.0s 323 0-180
BJI VIII 25 11 25 15.5 39.62S 177.00E 16 5.6b,5.6b ¶11207983
IGIL VIII 25 11 25 18.0 39.69S 176.45E 10 5.5s,5.6b
WEL VIII 25 11 25 19.3–.08 39.72S 176.85E 32–0 5.9L,5.6b
MOS VIII 25 11 25 19.1–1.0 39.59S 176.43E 38 5.6b,5.1s
NEIC VIII 25 11 25 19.3 39.72S 176.85E 32 5.9L,5.5W
ISCJB VIII 25 11 25 19.6–.22 39.72S–.02 176.56E–.03 40–1 5.5b,5.0s
IDC VIII 25 11 25 20.4–.48 39.47S 176.53E 41–3 5.1,5.1
GCMT VIII 25 11 25 23.3–.10 39.67S 176.91E 26–0 5.4W,5.1
DJA VIII 25 11 25 33 39.63S 176.89E 168 5.4b,5.1
ISC Event type de.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.5km az=90.0. Felt between Waikato, Southland and Gisborne, maximum reported intensity MM. 8.
MOS Error ellipse: s-maj=16.1km s-min=11.4km az=119.4.
NEIC Event type de. Slight damage at Hastings and Napier. Felt [VI] at Hastings, Havelock North and Taradale. Felt in much of the North Island from Hamilton and Whakatane to Wellington. Also felt in parts of the South Island. After WEL.
ISCJB Event type de. Error ellipse: s-maj=3.8km s-min=3.0km az=14.1.
IDC Error ellipse: s-maj=13.5km s-min=10.3km az=15.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s77,c131; s89,c165; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.27±.03 $M_{\theta\theta}$-0.07±.02; $M_{\phi\phi}$1.34±.02; $M_{r\theta}$0.28±.05; $M_{\theta\phi}$0.65±.02; $M_{\phi r}$-0.64±.05; Best double couple: NP1:ϕ_s223.00000°,δ40.00000°,λ-56.00000°. NP2:ϕ_s1.00000°,δ58.00000°,λ-115.00000°. Principal axes: T 1.6800,Plg10.0000° ,Azm109.0000°; N -0.1300,Plg21.0000°,Azm15.0000°; P -1.5500,Plg67.0000° ,Azm222.0000° $M_0$1.60000×10^{17}

(227) Eastern Honshu

ISC VIII 25 11 57 43.7–.49 39.14N–.03 140.95E–.04 7–4 3.8b 30 0-146
NIED VIII 25 11 57 00 39.10N 140.90E 5 3.9W ¶11747501
ISCJB VIII 25 11 57 43.5–1.8 39.16N–.03 140.95E–.04 15–13 3.8b
NEIC VIII 25 11 57 43.4 39.15N 140.93E 10 3.9
JMA VIII 25 11 57 43.4 39.15N 140.93E 10–1 3.9
IDC VIII 25 11 57 49.0–2.3 39.12N 140.80E 50–22 3.8,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s209.00000°,δ52.00000°,λ98.00000°. NP2:ϕ_s16.00000°,δ38.00000°,λ80.00000°. $M_0$8.21000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.8km az=3.4.
NEIC Event type se. After JMA.
JMA Event type fe.
IDC Error ellipse: s-maj=21.0km s-min=16.2km az=109.0.

(306) Xizang

ISC VIII 25 13 22 01.5–.44 31.06N–.02 83.65E–.01 26–3 6.6s,6.0b 1469 3-158
BGS VIII 25 13 21 44.9–1.5 28.14N 83.43E 12–0 6.8s,5.9b ¶11207986
DMN VIII 25 13 21 50.1–.64 31.97N 83.33E 10–0 6.7L,5.9b
LDG VIII 25 13 21 55.9–.14 31.09N 83.46E 10–0 6.3s,6.1b
BJI VIII 25 13 21 56.7 30.92N 83.57E 13 6.9s,6.8
IDC VIII 25 13 21 56.8–.32 30.87N 83.58E 0 6.5,6.5s
NEIC VIII 25 13 21 58.8–.16 30.90N 83.52E 12 6.7W,6.6W
ISCJB VIII 25 13 21 59.6–.46 31.07N–.02 83.63E–.01 25–3 6.6s,6.0b
MOS VIII 25 13 21 59.9–1.1 30.91N 83.54E 33 6.5s,6.2b
SZGRF VIII 25 13 22 00.4 30.92N 83.93E 33 6.6s,6.2b
DJA VIII 25 13 22 01 30.81N 83.59E 8 6.8W,6.2b
NDI VIII 25 13 22 02.7–4.6 30.46N 83.50E 10–0 6.4b,6.2b
TEH VIII 25 13 22 03.0 30.90N 83.62E 35 6.4b,6.2b
GCMT VIII 25 13 22 08.5–.10 30.61N 83.51E 17–0 6.7W,6.2b
ISC Event type de.
BGS Error ellipse: s-maj=340.2km s-min=388.5km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=13.3km s-min=11.4km az=121.0.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=113.0.
IDC Error ellipse: s-maj=12.5km s-min=7.2km az=40.0.
NEIC Event type de. Error ellipse: s-maj=6.2km s-min=3.3km az=198.0. About 700 rooms damaged [VIII] in Zhongba County. Ten km of surface faulting with sandblows along 4.2 km of the fracture zone observed in the epicentral area. Felt strongly at Bahraich and Lucknow and [III] at Delhi, India. Felt in parts of Haryana, Himachal Pradesh, Uttar Pradesh and Uttarakhand. Also felt at Kathmandu, Nepalganj and in the Tarai region, Nepal. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000° ,δ30.00000°,λ-60.00000°. NP2:ϕ_s176.00000°,δ64.00000°,λ-106.00000°. Principal axes: T Plg18.0000°,Azm278.0000°; N Plg0.0000°,Azm0.0000°; P Plg67.0000°,Azm57.0000° Moment Tensor Solution. s57 Moment tensor: Scale 10^{18}Nm; M_{rr}-5.44 $M_{\theta\theta}$-4.27 $M_{\phi\phi}$9.71 $M_{r\theta}$-1.37 $M_{\theta\phi}$-0.08 $M_{\phi r}$0.68 Best double couple: NP1:ϕ_s29.00000°,δ51.00000°,λ-46.00000°. NP2:ϕ_s152.00000°,δ56.00000°,λ-131.00000°. Principal axes: T 9.7400,Plg2.0000° ,Azm269.0000°; N -3.3800,Plg33.0000°,Azm177.0000°; P -6.3600,Plg56.0000°,Azm3.0000° $M_0$8.60000×10^{18} Moment Tensor Solution. $M_0$2.50000×10^{19}
ISCJB Event type de. Error ellipse: s-maj=2.9km s-min=1.7km az=26.2.
MOS Error ellipse: s-maj=6.1km s-min=2.9km az=128.8.
SZGRF Xizang.
NDI Error ellipse: s-maj=21.9km s-min=18.0km az=-1.0.
GCMT Event type se. Data Used: II IU G CN IC. LP body wave period 50 sec. Surface waves: sta=117, comp=266, per= 50. Moment Tensor Solution. s109,c255; s99,c214; Moment tensor: Scale 10^{19}Nm; M_{rr}-1.02±.01 $M_{\theta\theta}$-0.38±.01; $M_{\phi\phi}$1.40±.01; $M_{r\theta}$-0.56±.02; $M_{\theta\phi}$0.11±.01; $M_{\phi r}$0.20±.02; Best double couple: NP1:ϕ_s30.00000°,δ48.00000°,λ-48.00000°. NP2:ϕ_s157.00000°,δ56.00000°,λ-127.00000°. Principal axes: T 1.4200,Plg4.0000° ,Azm272.0000°; N -0.0500,Plg30.0000°,Azm180.0000°; P -1.3600,Plg60.0000°,Azm9.0000° $M_0$1.40000×10^{19}

(256) Leyte

ISC VIII 25 18 42 45.7–.81 10.19N–.05 125.28E–.06 33–8 3.7b 34 0-61
IDC VIII 25 18 42 39.7–1.3 10.44N 125.72E 0 3.9,3.8 ¶11908797
NEIC VIII 25 18 42 40.8–.91 10.50N 125.92E 10 3.9,3.8
MAN VIII 25 18 42 43 10.19N 125.24E 13 4.9b,3.9s
ISCJB VIII 25 18 42 44.6–.54 10.21N–.04 125.27E–.05 44–7 3.7b,3.9s
ISC Event type fe.
NEIC Event type fe. Felt [II PIVS] at Libagon, San Juan and Saint Bernard.
MAN Event type fe. INTENSITY II - LIBAGON SAN JUAN AND ST BERNARD (SOUTHERN LEYTE.
ISCJB Event type fe.

(228) Near east coast of eastern Honshu

ISC VIII 25 23 39 38.1–.37 35.57N–.04 140.05E–.05 73–3 3.9b 49 0-79
NIED VIII 25 23 39 00 35.70N 140.10E 89 3.7W ¶11747507
ISCJB VIII 25 23 39 37.0–.38 35.56N–.04 140.06E–.05 80–3 3.9b
JMA VIII 25 23 39 37.6–.20 35.64N 140.06E 71–2 3.9
NEIC VIII 25 23 39 38.3–1.1 35.58N 140.07E 76–9 4.3b
IDC VIII 25 23 39 39.0–1.8 35.55N 140.04E 80–16 3.6,3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ73.00000°,λ102.00000°. NP2:ϕ_s146.00000°,δ21.00000°,λ56.00000°. $M_0$4.22000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=4.4km az=143.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.4km az=90.0.
IDC Error ellipse: s-maj=25.5km s-min=11.7km az=64.0.

(124) Chile-Bolivia border region

ISC VIII 26 00 20 20.6–1.1 20.38S–.05 68.7W–.10 118–10 4.4b 26 4-145
ISCJB VIII 26 00 20 18.0–1.3 20.41S–.05 68.8W–.10 111–13 4.4b ¶11908817
IDC VIII 26 00 20 20.5–2.6 20.43S 68.80W 118–21 4.2b,4.1
NEIC VIII 26 00 20 21.2–1.0 20.40S 68.69W 124–10 4.5b,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=21.9km s-min=8.5km az=0.3.
IDC Error ellipse: s-maj=33.8km s-min=20.2km az=85.0.
NEIC Event type fe. Error ellipse: s-maj=16.2km s-min=7.5km az=92.0. Felt at Iquique, Chile.

(276) Sunda Strait

ISC VIII 26 03 07 33.1–.11 6.35S–.02 104.42E–.02 49 5.7b,5.3s 919 1-178
NEIC VIII 26 03 07 29.5–1.4 6.34S 104.47E 22–9 5.7b,5.7W ¶11208020
MOS VIII 26 03 07 30.3–1.1 6.11S 104.52E 33 5.9b,5.3s
IDC VIII 26 03 07 31.2–1.3 6.21S 104.58E 33–9 5.3,5.3b
DJA VIII 26 03 07 31 6.56S 104.28E 26 6.2W,5.3b
ISCJB VIII 26 03 07 31.2–.11 6.35S–.02 104.42E–.02 47 5.7b,5.3s
GCMT VIII 26 03 07 34.7–.10 6.57S 104.49E 38–0 5.7W,5.3s
SZGRF VIII 26 03 07 50.7 2.86S 101.94E 33 5.5b,5.3s
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=220.0. Felt [IV] at Kotaagung and Tanjungkarang-Telukbetung, Sumatra. Felt [III] at Jakarta and [II] at Tasikmalaya, Java. Also felt at Bogor, Java. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.04 $M_{\theta\theta}$0.27 $M_{\phi\phi}$1.77 $M_{r\theta}$1.83 $M_{\theta\phi}$-1.15 $M_{\phi r}$1.37 Best double couple: NP1:ϕ_s184.00000° ,δ60.00000°,λ-50.00000°. NP2:ϕ_s305.00000°,δ48.00000°,λ-138.00000°. Principal axes: T 2.4400,Plg7.0000°,Azm247.0000°; N 1.1900,Plg33.0000°,Azm342.0000° ; P -3.6200,Plg55.0000°,Azm146.0000° $M_0$3.20000×10^{17}
MOS Error ellipse: s-maj=8.9km s-min=4.3km az=121.1.
IDC Error ellipse: s-maj=11.5km s-min=7.5km az=45.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=26.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=208, per= 50. Moment Tensor Solution. s99,c182; s21,c21; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.65±.05 $M_{\theta\theta}$-1.33±.04; $M_{\phi\phi}$2.98±.04; $M_{r\theta}$2.12±.06; $M_{\theta\phi}$-1.38±.03; $M_{\phi r}$2.00±.07; Best double couple: NP1:ϕ_s310.00000°,δ45.00000°,λ-155.00000°. NP2:ϕ_s202.00000°,δ73.00000°,λ-48.00000°. Principal axes: T 3.8000,Plg17.0000°,Azm262.0000°; N 0.6000,Plg40.0000°,Azm7.0000° ; P -4.4000,Plg45.0000°,Azm154.0000° $M_0$4.10000×10^{17}
SZGRF Southern Sumatera, Indonesia.

(228) Near east coast of eastern Honshu

ISC VIII 26 06 16 06.1–.34 36.99N–.03 140.49E–.05 113–2 4.2b 99 0-147
NIED VIII 26 06 16 00 37.00N 140.50E 89 4.0W ¶11653095
ISCJB VIII 26 06 16 04.9–.34 36.98N–.03 140.49E–.05 120–2 4.2b
BJI VIII 26 06 16 04.6 37.00N 140.50E 108 4.6b,4.5b
MOS VIII 26 06 16 05.0–.90 37.20N 140.43E 112 4.4b,4.5b
JMA VIII 26 06 16 06.6–.10 36.98N 140.48E 109–1 4.1,4.5b
IDC VIII 26 06 16 06.2–.58 37.01N 140.43E 113–4 3.9,3.9
NEIC VIII 26 06 16 06.7 36.98N 140.48E 109 4.7b,4.0W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ84.00000°,λ-93.00000°. NP2:ϕ_s70.00000°,δ6.00000°,λ-63.00000°. $M_0$1.19000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.7km az=34.2.
MOS Error ellipse: s-maj=11.5km s-min=7.9km az=106.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s88.00000°,δ15.00000°,λ-52.00000°. NP2: ϕ_s229.00000°,δ78.00000°,λ-100.00000°. Principal axes: T Plg32.0000°,Azm327.0000° ; N Plg9.0000°,Azm231.0000°; P Plg56.0000°,Azm127.0000°
IDC Error ellipse: s-maj=11.7km s-min=7.8km az=160.0.
NEIC Event type fe. Recorded [2 JMA] in Fukushima, Ibaraki, Miyagi, Saitama and Tochigi. After JMA. Moment Tensor Solution. $M_0$1.20000×10^{15}

(137) San Juan Province

GUC VIII 26 12 48 42.4–.75 31.54S 69.15W 150–16 3.8L,3.7
NEIC VIII 26 12 48 42.4 31.54S 69.15W 150 3.8b,3.7 ¶12100255
GUC Error ellipse: s-maj=1.8km s-min=14.4km az=-1.0.
NEIC Event type fe. Felt [II] at San Juan. After GUC.

(244) Taiwan

ISC VIII 26 17 48 00.7–.20 23.20N–.02 121.65E–.01 44–2 4.3b,3.5s 239 0-79
BJI VIII 26 17 47 53.3 22.92N 121.97E 30 4.5b,4.1L ¶11245823
IDC VIII 26 17 47 54.1–.60 23.07N 121.36E 0 4.2,4.1
MOS VIII 26 17 47 56.0–.80 23.29N 122.03E 33 4.7b,4.1
NEIC VIII 26 17 47 56.0–1.3 23.18N 121.92E 17–7 5.1L,4.4b
ISCJB VIII 26 17 47 59.8–.20 23.20N–.02 121.67E–.02 53–2 4.3b,3.5s
NIED VIII 26 17 48 00 23.30N 121.70E 44 4.4W,3.5s
TAP VIII 26 17 48 00.7 23.23N 121.58E 40–0 4.8L,3.5s
JMA VIII 26 17 48 01.7–.20 23.27N 121.72E 89 4.3,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=25.9km s-min=13.3km az=72.0.
MOS Error ellipse: s-maj=16.4km s-min=7.2km az=129.1.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=5.8km az=87.0. Recorded [3 TAP] in T'ai-tung; [2 TAP] in Hua-lien and T'ai-chung; [1 TAP] in Chang-hua, Chia-i, T'ai-nan and Yun-lin.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=144.2.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ78.00000°,λ102.00000°. NP2:ϕ_s151.00000°,δ17.00000°,λ44.00000°. $M_0$4.30000×10^{15}
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

(112) Peru-Brazil border region

ISC VIII 26 21 00 36.7–.10 7.66S–.02 74.37W–.02 154 5.8b 1597 4-177
BGS VIII 26 21 00 32.5–1.4 8.45S 74.46W 154–0 5.6b ¶11208051
ISCJB VIII 26 21 00 34.9–.10 7.64S–.02 74.47W–.02 152 5.8b
BJI VIII 26 21 00 35.6 7.60S 74.40W 154 6.2b
MOS VIII 26 21 00 35.3–.91 7.51S 74.50W 151 5.8b,5.4s
NEIC VIII 26 21 00 36.6–.10 7.64S 74.38W 154 6.4W,6.4W
IDC VIII 26 21 00 37.0–.27 7.59S 74.39W 157–2 5.6,5.6
SZGRF VIII 26 21 00 37.0 8.97S 72.38W 140 5.6,5.6
DJA VIII 26 21 00 38 7.92S 74.32W 149 6.5b,5.6
GCMT VIII 26 21 00 40.2–.10 7.76S 74.49W 158–0 6.4W,5.6
ISC Event type fe.
BGS Error ellipse: s-maj=405.3km s-min=181.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=30.8.
MOS Error ellipse: s-maj=6.0km s-min=4.0km az=72.4.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=38.0. Felt [IV] at Pucallpa and [II] at Lima. Also felt at Bagua Grande, Banos, Bellavista, Campoverde, Chachapoyas, Chimbote, Contamana, Huancayo, Huanuco, Iquitos, Moyobamba, Santiago de Chuco, Saposoa, Soritor, Tarapoto, Tarma, Tingo Maria, Tocache, Trujillo and Yurimaguas. Felt at Ambato, Banos, Eloy Alfaro, Guayaquil and Quito, Ecuador. Also felt at Cruzeiro do Sul, Eirunepe, Tabatinga and Tarauaca, Brazil. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s5.00000°,δ45.00000°,λ-90.00000°. NP2: ϕ_s185.00000°,δ45.00000°,λ-90.00000°. Principal axes: T Plg0.0000°,Azm95.0000° ; N Plg0.0000°,Azm0.0000°; P Plg90.0000°,Azm0.0000° Moment Tensor Solution. s172 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.66 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$3.95 $M_{r\theta}$1.17 $M_{\theta\phi}$0.30 $M_{\phi r}$-1.64 Best double couple: NP1:ϕ_s201.00000°,δ36.00000°,λ-62.00000°. NP2:ϕ_s347.00000° ,δ59.00000°,λ-109.00000°. Principal axes: T 4.2900,Plg11.0000°,Azm90.0000° ; N 0.0700,Plg16.0000°,Azm357.0000°; P -4.3600,Plg69.0000°,Azm214.0000° $M_0$4.30000×10^{18} Moment Tensor Solution. $M_0$4.00000×10^{18}
IDC Error ellipse: s-maj=8.8km s-min=5.3km az=79.0.
SZGRF Peru-Brazil border region.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=274, per= 50. Moment Tensor Solution. s116,c283; s87,c170; Moment tensor: Scale 10^{18}Nm; M_{rr}-4.07±.02 $M_{\theta\theta}$-0.34±.03; $M_{\phi\phi}$4.41±.03; $M_{r\theta}$1.59±.02; $M_{\theta\phi}$0.02±.03; $M_{\phi r}$-1.44±.02; Best double couple: NP1:ϕ_s198.00000°,δ39.00000°,λ-60.00000°. NP2:ϕ_s341.00000°,δ57.00000°,λ-112.00000°. Principal axes: T 4.6600,Plg10.0000°,Azm87.0000°; N 0.1900,Plg18.0000°,Azm354.0000° ; P -4.8600,Plg69.0000°,Azm204.0000° $M_0$4.80000×10^{18}

(266) Northern Molucca Sea

ISC VIII 26 23 08 42.7–1.3 1.16N–.05 127.05E–.06 16–9 3.9b 21 0-83
IDC VIII 26 23 08 40.9–2.8 1.01N 126.53E 0 3.5,3.4s ¶11908886
NEIC VIII 26 23 08 41.7–.41 1.14N 126.97E 10 4.3b,3.4s

ISCJB	VIII	26 23 08 42.3–1.2	1.20N–.06	127.09E–.06	26–9	3.9b,3.4s	
DJA	VIII	26 23 08 42	1.09N	126.99E	7	3.8,3.4s	

ISC Event type fe.
IDC Error ellipse: s-maj=290.2km s-min=27.8km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=8.3km az=86.0. Felt [II] on Ternate, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=8.2km az=138.3.

(224) Hokkaido region

ISC	**VIII**	**27 00 14 00.8–.34**	**41.56N–.03**	**142.07E–.05**	**62–3**	**4.1b**	**71**	**1-89**
MOS	VIII	27 00 13 59.6–.79	41.52N	142.13E	75	4.5b		**¶13392700**
ISCJB	VIII	27 00 13 59.7–.34	41.55N–.03	142.05E–.05	70–3	4.0b		
JMA	VIII	27 00 14 00.2–.10	41.56N	142.05E	65–3	3.8		
IDC	VIII	27 00 14 00.7–.76	41.52N	142.07E	63–6	3.9,3.8		
NIED	VIII	27 00 14 00	41.60N	142.10E	56	4.1W,3.8		
NEIC	VIII	27 00 14 01.4–.70	41.54N	142.05E	70–6	4.3b,3.8		

ISC Event type fe.
MOS Error ellipse: s-maj=13.7km s-min=9.5km az=80.7.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.7km az=30.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s148.00000°,δ15.00000°,λ30.00000°. NP2: ϕ_s29.00000°,δ82.00000°,λ103.00000°. Principal axes: T Plg51.0000°,Azm314.0000° ; N Plg13.0000°,Azm207.0000°; P Plg36.0000°,Azm107.0000°
IDC Error ellipse: s-maj=17.3km s-min=8.8km az=104.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ69.00000°,λ101.00000°. NP2:ϕ_s178.00000°,δ24.00000°,λ63.00000°. $M_0$1.44000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.9km az=129.0. Recorded [2 JMA] in Aomori, Honshu.

(327) Lake Baykal region

ISC	**VIII**	**27 01 35 31.6–.06**	**51.66N–.01**	**104.14E–.01**	**10**	**6.2s,5.7b**	**2088**	**0-168**
LDG	VIII	27 01 35 28.8–.11	51.72N	104.02E	10–0	6.1s,5.8b		**¶13392704**
BJI	VIII	27 01 35 29.8	51.66N	104.28E	15	6.4s,6.2		
SZGRF	VIII	27 01 35 29.6	52.28N	106.28E	33	7.0s,5.9b		
IDC	VIII	27 01 35 29.3–.32	51.66N	104.23E	0	6.1,6.1s		
ISCJB	VIII	27 01 35 30.0–.06	51.65N–.01	104.05E–.01	10	6.2s,5.7b		
MOS	VIII	27 01 35 30.4–.94	51.62N	104.20E	17	6.4s,5.9b		
BGS	VIII	27 01 35 30.7–1.6	51.09N	103.32E	15–0	6.7s,5.2b		
BYKL	VIII	27 01 35 31.4–.36	51.62N	104.06E	13–5	6.7s,5.2b		
NEIC	VIII	27 01 35 32.1–.08	51.61N	104.16E	16	6.2s,6.2W		
GCMT	VIII	27 01 35 38.6–.10	51.76N	104.02E	24–0	6.3W,6.2W		
ASRS	VIII	27 01 35 42.1–1.5	52.34N	103.37E	15	6.7,6.2W		
DJA	VIII	27 01 35 44	51.51N	103.58E	73	5.6b,6.2W		

ISC Event type de.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=91.0.
SZGRF Lake Baykal, Russia, region.
IDC Error ellipse: s-maj=9.6km s-min=8.0km az=27.0.
ISCJB Event type de. Error ellipse: s-maj=1.8km s-min=1.2km az=174.5.
MOS Event type fe. Error ellipse: s-maj=5.5km s-min=3.9km az=123.2. Fault plane solution: P-wave C37, D198 . Felt (VII-VIII) at Baykal'sk, Utulik, Slyudyanka, (VI-VII) at Arshan, Kultuk, Irkutsk, Listvyanka, (V-VI) at Bol.Goloustnoye, Kabansk, Selenga, Angarsk, Mondy, Yelantsy, (IV-V) at Shergino, Gusinoozersk, (IV) at Khuzhir, (III-IV) at Kyzyl, (III) at Bratsk, (II-III) at Abakan, (II) at Chita, Krasnoyarsk. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s33.00000°,δ36.00000°,λ-121.00000°. NP2: ϕ_s250.00000°,δ60.00000°,λ-69.00000°. Principal axes: T Plg12.0000°,Azm325.0000° ; N Plg18.0000°,Azm59.0000°; P Plg68.0000°,Azm202.0000° $M_0$3.30000×10^{18}
BGS Error ellipse: s-maj=277.7km s-min=803.7km az=-1.0.
BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 101.00 61.00 -55.00 82 0 IEC + 226.00 44.00 -136.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 167.00 10.00 263.00 30.00 61.00 58.00 IEC + 2.00 1.15 3.05 2.13 1.53 2.64 IEC. FELT I=VII-VIII MSK at Kultuk,Utulik, VII at Slyudyanka,Talaya,Bystraya, VI-VII at Baykalsk,Anchuk, VI at Listvyanka,Irkutsk,Angasolka,Tory.
NEIC Event type de. Error ellipse: s-maj=2.5km s-min=1.7km az=179.0. Slight damage [VII] and power outages at Irkutsk. Felt [VIII] at Baykal'sk; [VII] at Arshan, Kultuk, Listvyanka, Slyudyanka and Utulik; [VI] at Angarsk, Kabansk, Mondy, Selenga and Yelantsy; [V] at Gusinoozersk and Zakamensk; [IV] at Kyzyl; [III] at Abakan and Bratsk; [II] at Chita and Krasnoyarsk. Also felt at Novosibirsk, Tulun, Ulan-Ude and Usol'ye-Sibirskoye. Felt [III] at Ulaanbaator, Mongolia. Also felt at Darhan and Tosontsengel. Two events about 2.5 seconds apart. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s200.00000°,δ60.00000°,λ-140.00000°. NP2: ϕ_s87.00000°,δ56.00000°,λ-37.00000°. Principal axes: T Plg2.0000°,Azm323.0000° ; N Plg0.0000°,Azm0.0000°; P Plg48.0000°,Azm55.0000° Moment Tension Solution. s170 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.81 $M_{\theta\theta}$0.87 $M_{\phi\phi}$-0.06 $M_{r\theta}$-0.36 $M_{\theta\phi}$1.36 $M_{\phi r}$0.60 Best double couple: NP1:ϕ_s92.00000°,δ62.00000°,λ-30.00000°. NP2:ϕ_s197.00000° ,δ64.00000°,λ-148.00000°. Principal axes: T 1.8500,Plg1.0000°,Azm324.0000° ; N -0.2200,Plg49.0000°,Azm232.0000°; P -1.6200,Plg40.0000°,Azm55.0000° $M_0$1.70000×10^{18}
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=112, comp=285, per= 50. Moment Tension Solution. s107,c230; s87,c152; Moment tensor: Scale 10^{18}Nm; M_{rr}-2.02±.03 $M_{\theta\theta}$2.95±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$-1.18±.04; $M_{\theta\phi}$1.35±.02; $M_{\phi r}$1.26±.04; Best double couple: NP1:ϕ_s220.00000°,δ49.00000°,λ-143.00000°. NP2:ϕ_s104.00000°,δ63.00000°,λ-47.00000°. Principal axes: T 3.4900,Plg8.0000°,Azm165.0000°; N -0.1600,Plg37.0000°,Azm262.0000° ; P -3.3300,Plg51.0000°,Azm65.0000° $M_0$3.40000×10^{18}

(327) Lake Baykal region

ISC	**VIII**	**27 01 41 30.8–.37**	**51.61N–.03**	**104.09E–.03**	**10**	**5.2b**	**57**	**0-23**
ISCJB	VIII	27 01 41 29.0–.41	51.59N–.03	104.12E–.03	10	5.2b		**¶11222334**
MOS	VIII	27 01 41 31.0–1.8	51.57N	104.15E	12	5.1b		
NEIC	VIII	27 01 41 31.6–.68	51.60N	103.91E	10	4.9b		
BYKL	VIII	27 01 41 31.8–.31	51.61N	104.03E	11–8	4.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.6km az=166.7.
MOS Event type fe. Error ellipse: s-maj=14.5km s-min=11.1km az=85.0. Felt (V) at Irkutsk, (III) at Yelantsy. Moment Tension Solution.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=7.2km az=168.0. Felt [V] at Irkutsk.
BYKL Event type se. FELT I=V MSK at Irkutsk, III-IV at Gusinoozersk, Yelantsy.

(327) Lake Baykal region

ISC	**VIII**	**27 02 07 56.1–.25**	**51.61N–.02**	**103.99E–.03**	**10**	**4.0b**	**121**	**0-79**
ISCJB	VIII	27 02 07 54.6–.27	51.63N–.03	104.03E–.03	10	4.0b		**¶11653102**
IDC	VIII	27 02 07 54.5–.69	51.67N	104.12E	0	4.1,3.9b		
MOS	VIII	27 02 07 55.4–.93	51.66N	103.90E	14	4.6b,3.9b		
NEIC	VIII	27 02 07 56.7–.40	51.60N	103.94E	10	4.3b,3.9b		
BYKL	VIII	27 02 07 56.5–.22	51.65N	103.91E	16–3	4.3b,3.9b		
BJI	VIII	27 02 08 04.9	50.85N	103.86E	10	4.9s,4.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=160.8.
IDC Error ellipse: s-maj=18.8km s-min=12.6km az=59.0.
MOS Event type fe. Error ellipse: s-maj=10.4km s-min=7.2km az=70.6. Felt (III) at Irkutsk. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=7.1km az=198.0. Felt [III] at Irkutsk.
BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 36.00 44.00 -126.00 26 0 IEC + 261.00 56.00 -61.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 331.00 6.00 64.00 24.00 226.00 65.00 IEC + 0.0 0.0 0.0 0.0 0.0 0.0 IEC. FELT I=III MSK at Irkutsk, II at Yelantsy.

(327) Lake Baykal region

ISC	**VIII**	**27 03 29 13.5–.34**	**51.63N–.03**	**104.07E–.03**	**10**		**95**	**0-10**
ISCJB	VIII	27 03 29 12.5–.37	51.63N–.03	104.11E–.03	10			**¶12100277**
NEIC	VIII	27 03 29 13.9–.69	51.58N	104.17E	10			
MOS	VIII	27 03 29 14.4–1.4	51.63N	104.11E	17	4.6b		
BYKL	VIII	27 03 29 14.4–.22	51.61N	104.04E	17–3	4.6b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.5km az=159.8.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=6.0km az=159.0. Felt [II] at Irkutsk.
MOS Event type fe. Error ellipse: s-maj=16.3km s-min=9.5km az=63.3. Felt (II) at Irkutsk. Moment Tensor Solution.
BYKL Event type se. FELT I=II MSK at Irkutsk.

(221) Kuril Islands

ISC	**VIII**	**27 05 24 40.2–.30**	**46.75N–.02**	**152.49E–.02**	**54–2**	**5.5b,4.9s**	**1658**	**4-154**
NIED	VIII	27 05 24 00	46.60N	153.10E	38	5.3W,4.9s		**¶13392722**
BGS	VIII	27 05 24 30.2–1.7	45.14N	154.62E	65–0	5.3b,4.9s		
DJA	VIII	27 05 24 34	47.20N	153.59E	40	5.5b,4.9s		
JMA	VIII	27 05 24 35.0–.50	46.62N	153.07E	30	5.9,4.9s		
ISCJB	VIII	27 05 24 37.0–.36	46.68N–.02	152.54E–.02	43–3	5.5b,4.9s		
IDC	VIII	27 05 24 38.0–1.7	46.72N	152.52E	38–13	5.1,5.1		
BJI	VIII	27 05 24 38.8	46.76N	152.56E	69	5.7b,5.4b		
MOS	VIII	27 05 24 38.3–.95	46.70N	152.50E	55	5.8b,5.1s		
SKHL	VIII	27 05 24 38.1–.70	46.42N	152.87E	73–42	6.1,5.9b		
NEIC	VIII	27 05 24 41.1–.42	46.73N	152.48E	65–3	5.5b,5.3W		
GCMT	VIII	27 05 24 42.9–.10	46.69N	152.82E	50–0	5.4W,5.3W		
SZGRF	VIII	27 05 24 58.0	49.17N	148.66E	33	6.0b,5.0s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ58.00000°,λ46.00000°. NP2:ϕ_s230.00000°,δ53.00000°,λ138.00000°. $M_0$9.67000×10^{16}
BGS Error ellipse: s-maj=240.7km s-min=779.6km az=-1.0.
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=4.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=1.7km az=165.1.
IDC Error ellipse: s-maj=12.2km s-min=9.5km az=134.0.
MOS Error ellipse: s-maj=5.9km s-min=3.7km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=1.9km az=165.0. Recorded [1 JMA] in eastern Hokkaido. Moment Tensor Solution. s90 Moment tensor: Scale 10^{17}Nm; M_{rr}1.01 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.28 $M_{\phi r}$0.36 Best double couple: NP1:ϕ_s40.00000° ,δ59.00000°,λ91.00000°. NP2:ϕ_s219.00000°,δ31.00000°,λ89.00000°. Principal axes: T 1.1300,Plg75.0000°,Azm312.0000°; N -0.2200,Plg0.0000°,Azm219.0000° ; P -0.9000,Plg14.0000°,Azm129.0000° $M_0$1.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=101, comp=210, per= 50. Moment Tensor Solution. s87,c162; s12,c12; Moment tensor: Scale 10^{17}Nm; M_{rr}1.41±.03 $M_{\theta\theta}$-0.48±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$0.22±.02; $M_{\theta\phi}$-0.79±.02; $M_{\phi r}$0.69±.02; Best double couple: NP1:ϕ_s226.00000°,δ33.00000°,λ105.00000°. NP2:ϕ_s28.00000°,δ58.00000°,λ80.00000°. Principal axes: T 1.6000,Plg75.0000°,Azm271.0000°; N 0.0800,Plg8.0000°,Azm33.0000° ; P -1.6800,Plg13.0000°,Azm125.0000° $M_0$1.60000×10^{17}
SZGRF Northwest of Kuril Islands, Russia.

(574) Northwest of Madagascar

ISC	**VIII**	**27 06 46 20.7–.96**	**10.70S–.02**	**41.43E–.02**	**15–6**	**5.7b,5.5s**	**754**	**10-161**
BJI	VIII	27 06 46 17.3	10.38S	40.98E	13	5.7b,5.5s		**¶12100283**
IDC	VIII	27 06 46 17.6–.41	10.74S	41.35E	0	5.4,5.4		
ISCJB	VIII	27 06 46 18.0–.13	10.66S–.02	41.42E–.02	10	5.7b,5.5s		
LDG	VIII	27 06 46 18.5–.13	10.54S	41.40E	10–0	5.9b,5.1s		
MOS	VIII	27 06 46 19.0–.95	10.42S	41.51E	10	5.9b,5.2s		
NEIC	VIII	27 06 46 19.5–.13	10.75S	41.47E	10	5.9b,5.7W		
DJA	VIII	27 06 46 20	10.62S	41.31E	10	6.2W,5.7W		
GCMT	VIII	27 06 46 23.3–.10	10.57S	41.42E	29–0	5.7W,5.7W		

ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=8.6km az=120.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=41.5.
LDG Event type ke. Error ellipse: s-maj=12.9km s-min=5.7km az=57.0.
MOS Error ellipse: s-maj=8.4km s-min=3.4km az=105.8.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=53.0. Felt at Pemba, Mozambique. Moment Tensor Solution. s82 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32 $M_{\theta\theta}$0.47 $M_{\phi\phi}$0.85 $M_{r\theta}$0.43 $M_{\theta\phi}$-1.52 $M_{\phi r}$2.14 Best double couple: NP1:ϕ_s174.00000° ,δ74.00000°,λ-57.00000°. NP2:ϕ_s287.00000°,δ36.00000°,λ-152.00000°. Principal axes: T 2.7300,Plg21.0000°,Azm239.0000°; N 0.3100,Plg31.0000°,Azm344.0000° ; P -3.0500,Plg49.0000°,Azm121.0000° $M_0$2.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=220, per= 50. Moment Tensor Solution. s91,c169; s37,c40; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.56±.05 $M_{\theta\theta}$-0.32±.04; $M_{\phi\phi}$2.88±.05; $M_{r\theta}$1.00±.08; $M_{\theta\phi}$-2.19±.04; $M_{\phi r}$3.80±.11; Best double couple: NP1:ϕ_s302.00000°,δ33.00000°,λ-148.00000°. NP2:ϕ_s184.00000°,δ73.00000°,λ-62.00000°. Principal axes: T 5.2600,Plg23.0000°,Azm253.0000°; N 0.0100,Plg27.0000°,Azm355.0000° ; P -5.2700,Plg53.0000°,Azm128.0000° $M_0$5.30000×10^{17}

(248) Philippine Islands region

ISC	**VIII**	**27 13 44 40.8–.51**	**10.00N–.07**	**127.2E–.10**	**35**	**4.2b**	**26**	**3-146**
IDC	VIII	27 13 44 35.6–.76	10.02N	127.16E	0	4.7L,4.3		**¶11908924**
ISCJB	VIII	27 13 44 38.6–.51	10.01N–.07	127.2E–.10	33	4.2b,4.3		
NEIC	VIII	27 13 44 40.6–.42	10.00N	127.19E	35	4.8b,4.3		
MAN	VIII	27 13 44 41	10.15N	125.64E	13	4.7b,3.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=38.0km s-min=13.9km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=14.2km s-min=9.5km az=178.4.
NEIC Event type fe. Error ellipse: s-maj=13.4km s-min=9.1km az=76.0. Felt [IV PIVS] in Dinagat and [III PIVS] at Surigao, Mindanao.
MAN Event type fe. INTENSITY IV - DINAGAT PROVINCE; INTENSITY III - SURIGAO CITY.

(656) Southeastern Siberia

SKHL	**VIII**	**27 18 29 20.9–1.0**	**55.20N**	**124.06E**	**8–3**	**5.0b,3.8s**		**¶13828034**

SKHL Event type fe. Felt (II) at Khorogochi, Tynda.

(244) Taiwan

ISC	**VIII**	**27 20 34 13.3–.21**	**23.19N–.02**	**121.66E–.02**	**41–3**	**3.9b**	**183**	**0-79**
NIED	VIII	27 20 34 00	23.30N	121.70E	53	4.3W		**¶11245824**
IDC	VIII	27 20 34 06.5–.71	23.24N	121.82E	0	4.0b,4.0		
NEIC	VIII	27 20 34 12.2–.60	23.19N	121.73E	39–5	4.9L,4.3b		
ISCJB	VIII	27 20 34 12.4–.21	23.18N–.02	121.67E–.02	50–2	3.9b,4.3b		
TAP	VIII	27 20 34 13.3	23.23N	121.58E	40–0	4.7L,4.3b		
JMA	VIII	27 20 34 14.3–.20	23.26N	121.73E	90	4.2,4.3b		
BJI	VIII	27 20 34 18.5	23.48N	120.99E	38	4.3b,4.2s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ80.00000°,λ113.00000°. NP2:ϕ_s130.00000°,δ25.00000°,λ25.00000°. $M_0$3.43000×10^{15}
IDC Error ellipse: s-maj=26.6km s-min=14.6km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=5.8km az=130.0. Recorded [3 TAP] in T'ai-tung, [2 TAP] in Hua-lien and [1 TAP] in Chia-i, Kao-hsiung, T'ai-chung and Yun-lin.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=139.9.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

(346) Iran-Iraq border region

ISC	**VIII**	**27 21 52 39.3–.32**	**32.32N–.01**	**47.38E–.01**	**18–2**	**5.4s,5.3b**	**2133**	**1-171**
BJI	VIII	27 21 52 29.3	32.12N	46.49E	10	5.9s,5.6		**¶14877757**
ISCJB	VIII	27 21 52 35.8–.31	32.29N–.01	47.38E–.01	8–1	5.4s,5.3b		
NEIC	VIII	27 21 52 38.1–.16	32.31N	47.35E	10	5.7W,5.7W		
IDC	VIII	27 21 52 38.7–1.7	32.42N	47.39E	16–9	5.3s,5.3		
THR	VIII	27 21 52 39.9–.88	32.36N	47.36E	32–12	5.6L,5.3		
MOS	VIII	27 21 52 39.4–1.1	32.36N	47.35E	33	5.4b,5.1s		
CSEM	VIII	27 21 52 40.7–.06	32.32N	47.36E	29	5.7W,5.3b		
OMAN	VIII	27 21 52 40.3–3.1	32.16N	47.54E	17–0	5.7W,5.3b		
TEH	VIII	27 21 52 40.7	32.34N	47.33E	20	5.7W,5.3b		
GCMT	VIII	27 21 52 43.4–.10	32.23N	47.36E	12–0	5.8W,5.3b		
SGS	VIII	27 21 52 46.8	32.14N	47.72E	54	5.8W,5.3b		
SZGRF	VIII	27 21 52 48.7	33.12N	46.12E	33	5.2b,5.1s		
DJA	VIII	27 21 52 57	32.15N	47.99E	149	5.5b,5.1s		
BGS	VIII	27 21 53 15.2–1.9	35.55N	43.44E	10–0	5.1b,5.0s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=21.6.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.0km az=183.0. Felt [IV] at As Salimiyah; [III] at Al Farwaniyah and Hawalli; [II] at Kuwait, Kuwait. Felt at Abu Hulayfah, Al Fintas, Al Fuhayhil, Al Jabiriyah, Al Mahbulah and Salwa. Also felt at Al 'Amarah and Al Basrah, Iraq and at Ahvaz, Iran. Moment Tensor Solution. s39 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74 $M_{\theta\theta}$-3.10 $M_{\phi\phi}$2.36 $M_{r\theta}$0.07 $M_{\theta\phi}$2.82 $M_{\phi r}$-0.25 Best double couple: NP1:ϕ_s248.00000° ,δ86.00000°,λ2.00000°. NP2:ϕ_s158.00000°,δ88.00000°,λ176.00000°. Principal axes: T 3.5700,Plg4.0000°,Azm112.0000°; N 0.7300,Plg85.0000°,Azm317.0000° ; P -4.3000,Plg1.0000°,Azm203.0000° $M_0$4.00000×10^{17}
IDC Error ellipse: s-maj=9.6km s-min=9.1km az=5.0.
THR Error ellipse: s-maj=5.5km s-min=15.5km az=-1.0.
MOS Error ellipse: s-maj=5.2km s-min=2.5km az=129.4.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=10.0.
OMAN Error ellipse: s-maj=1.7km s-min=0.7km az=246.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=227, per= 50. Moment Tensor Solution. s97,c187; s50,c67; Moment tensor: Scale 10^{17}Nm; M_{rr}1.19±.05 $M_{\theta\theta}$-4.68±.06; $M_{\phi\phi}$3.48±.06; $M_{r\theta}$0.97±.16; $M_{\theta\phi}$4.03±.05; $M_{\phi r}$-0.43±.14; Best double couple: NP1:ϕ_s247.00000°,δ84.00000°,λ-5.00000°. NP2:ϕ_s338.00000°,δ85.00000°,λ-174.00000°. Principal axes: T 5.1400,Plg0.0000°,Azm112.0000°; N 1.3400,Plg82.0000°,Azm19.0000° ; P -6.4800,Plg8.0000°,Azm202.0000° $M_0$5.80000×10^{17}
SZGRF Iran-Iraq border region.
BGS Error ellipse: s-maj=457.7km s-min=482.6km az=-1.0.

(216) Mariana Islands

ISC	**VIII**	**28 08 17 34.5–.11**	**17.59N–.03**	**145.67E–.02**	**228**	**4.8b**	**470**	**4-157**
ISCJB	VIII	28 08 17 32.9–.11	17.59N–.02	145.63E–.02	226	4.8b		**¶11232347**
MOS	VIII	28 08 17 32.8–1.3	17.64N	145.59E	233	4.5b		
NEIC	VIII	28 08 17 33.2–.16	17.59N	145.67E	220	4.9b		
IDC	VIII	28 08 17 35.4–.58	17.60N	145.75E	247–5	4.5,4.4		
DJA	VIII	28 08 17 40	17.51N	145.77E	294	5.3b,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=143.5.
MOS Error ellipse: s-maj=11.0km s-min=6.8km az=88.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.2km az=116.0. Felt at Merizo, Guam.
IDC Error ellipse: s-maj=11.5km s-min=7.2km az=94.0.

(228) Near east coast of eastern Honshu

ISC	**VIII**	**28 08 31 41.2–.70**	**36.08N–.02**	**141.17E–.03**	**21–5**	**4.7b,3.8s**	**291**	**0-147**
NIED	VIII	28 08 31 00	36.10N	141.30E	20	4.4W,3.8s		**¶13392816**
IDC	VIII	28 08 31 37.0–.47	35.99N	141.25E	0	4.6,4.5L		
JMA	VIII	28 08 31 40.9–.10	36.03N	141.24E	40–2	4.6,4.5L		
ISCJB	VIII	28 08 31 41.8–.42	36.05N–.03	141.14E–.03	38–4	4.7b,3.8s		
NEIC	VIII	28 08 31 42.7–.28	36.08N	141.22E	35	4.8b,4.4W		
MOS	VIII	28 08 31 43.1–.81	36.52N	141.15E	33	5.0b,4.4W		
BJI	VIII	28 08 31 44.5	36.42N	140.82E	35	4.8b,4.7b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s36.00000°,δ77.00000°,λ115.00000°. NP2:ϕ_s152.00000°,δ28.00000°,λ29.00000°. $M_0$4.50000×10^{15}
IDC Error ellipse: s-maj=15.3km s-min=11.5km az=105.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=4.0km az=180.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.0km az=153.0. Recorded [1 JMA] in Chiba, Fukushima, Ibaraki and Tochigi. Moment Tensor Solution. $M_0$4.50000×10^{15}
MOS Error ellipse: s-maj=9.2km s-min=6.1km az=105.9.

(227) Eastern Honshu

ISC	**VIII**	**28 11 58 53.0–.57**	**39.06N–.03**	**140.95E–.05**	**2–5**	**3.3b**	**23**	**0-63**
IDC	VIII	28 11 58 51.8–1.2	39.02N	140.96E	0	3.5,3.4		**¶11909003**
ISCJB	VIII	28 11 58 52.4–.60	39.07N–.03	140.97E–.05	13–4	3.3b,3.4		
NEIC	VIII	28 11 58 52.7	39.04N	140.90E	7	3.2,3.4		
JMA	VIII	28 11 58 52.6	39.04N	140.90E	7–1	3.2,3.4		

ISC Event type fe.
IDC Error ellipse: s-maj=32.2km s-min=22.4km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.9km az=177.8.
NEIC Event type se. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s283.00000°,δ45.00000°,λ121.00000°. NP2:ϕ_s62.00000°,δ53.00000°,λ62.00000°. Principal axes: T Plg68.0000°,Azm271.0000°; N Plg22.0000°,Azm79.0000°; P Plg4.0000° ,Azm171.0000°

(25) Vancouver Island region

ISC	**VIII**	**28 12 37 33.2–.64**	**50.15N–.01**	**129.63W–.02**	**0–4**	**5.7s,5.2b**	**1217**	**1-161**
PGC	VIII	28 12 37 30.9–11	49.98N	130.01W	10	5.9W,4.8L		**¶11222409**
IDC	VIII	28 12 37 32.1–.47	50.06N	129.77W	0	5.5,5.5s		
MOS	VIII	28 12 37 33.8–1.1	50.05N	129.74W	18	5.7s,5.5b		
ISCJB	VIII	28 12 37 33.2–.11	50.14N–.01	129.55W–.02	10	5.7s,5.1b		
BJI	VIII	28 12 37 34.9	50.69N	130.59W	5	5.9s,5.7b		
GCMT	VIII	28 12 37 35.4–.10	49.77N	130.14W	12	5.9W,5.7b		
NEIC	VIII	28 12 37 35.1–.13	50.17N	129.63W	12	6.1,5.9W		

ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. 201km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=11.7km s-min=8.5km az=61.0.
MOS Error ellipse: s-maj=5.9km s-min=3.2km az=102.3.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.2km az=139.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=246, per= 50. Moment Tensor Solution. s102,c211; s73,c93; Moment tensor: Scale 10^{17}Nm; M_{rr}0.36±.06 $M_{\theta\theta}$-8.72±.06; $M_{\phi\phi}$8.37±.07; $M_{r\theta}$0.57±.17; $M_{\theta\phi}$-0.59±.06; $M_{\phi r}$0.98±.17; Best double couple: NP1:ϕ_s313.00000°,δ83.00000°,λ178.00000°. NP2:ϕ_s43.00000°,δ88.00000°,λ7.00000°. Principal axes: T 8.5000,Plg7.0000°,Azm268.0000°; N 0.2800,Plg82.0000°,Azm59.0000° ; P -8.7800,Plg4.0000°,Azm178.0000° $M_0$8.60000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=1.5km az=46.0. Felt at Vancouver. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s135.00000°,δ85.00000°,λ175.00000°. NP2:ϕ_s225.00000°,δ85.00000°,λ5.00000°. Principal axes: T Plg7.0000°,Azm90.0000°; N Plg0.0000°,Azm0.0000°; P Plg0.0000° ,Azm0.0000° Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}0.66 $M_{\theta\theta}$-5.56 $M_{\phi\phi}$4.90 $M_{r\theta}$-0.83 $M_{\theta\phi}$-0.97 $M_{\phi r}$-1.21 Best double couple: NP1:ϕ_s220.00000° ,δ86.00000°,λ16.00000°. NP2:ϕ_s129.00000°,δ74.00000°,λ176.00000°. Principal axes: T 5.2700,Plg13.0000°,Azm85.0000°; N 0.5200,Plg73.0000°,Azm233.0000° ; P -5.7900,Plg8.0000°,Azm353.0000° $M_0$5.50000×10^{17} Moment Tensor Solution. $M_0$7.50000×10^{17}

(249) Luzon

ISC	**VIII**	**28 12 38 45.5–.96**	**13.02N–.04**	**124.55E–.06**	**23–7**	**4.0b**	**27**	**1-78**
IDC	VIII	28 12 38 41.8–.86	12.90N	124.47E	0	4.9L,4.0		**¶11909007**
MAN	VIII	28 12 38 43	13.11N	124.66E	24	4.7b,3.7s		
ISCJB	VIII	28 12 38 45.1–.86	13.02N–.04	124.57E–.07	36–8	4.0b,3.7s		
NEIC	VIII	28 12 38 47.6–1.5	12.88N	124.42E	42–14	4.3b,3.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=29.5km s-min=16.3km az=63.0.
MAN Event type fe. INTENSITY II - CATARMAN NORTHERN SAMAR.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=6.1km az=157.8.
NEIC Event type fe. Error ellipse: s-maj=22.6km s-min=7.3km az=58.0. Felt [II PIVS] at Catarman.

(1) Central Alaska

ISC	**VIII**	**28 23 14 18.2–.25**	**62.12N–.02**	**149.65W–.05**	**46–4**	**3.9b,3.0s**	**93**	**0-146**
ISCJB	VIII	28 23 14 17.0–.25	62.14N–.02	149.62W–.05	56–3	3.9b,3.0s		**¶11909037**
IDC	VIII	28 23 14 17.4–.90	62.18N	149.83W	46–8	4.0L,3.9		
NEIC	VIII	28 23 14 18.6	62.12N	149.60W	43	4.3L,4.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.3km az=160.0.
IDC Error ellipse: s-maj=15.7km s-min=11.4km az=107.0.
NEIC Event type fe. Felt [III] at Talkeetna and [II] at Anchorage. Also felt at Palmer. After AEIC.

(277) Jawa

ISC	**VIII**	**29 01 46 43.6–.61**	**7.14S–.09**	**108.46E–.05**	**49–9**	**3.7b**	**19**	**1-59**
IDC	VIII	29 01 46 37.4–3.2	7.16S	108.41E	0	3.9,3.7b		**¶11909043**
ISCJB	VIII	29 01 46 42.7–.58	7.14S–.09	108.45E–.05	60–8	3.7b,3.7b		
DJA	VIII	29 01 46 42	7.07S	108.53E	14	4.0,3.7b		
NEIC	VIII	29 01 46 43.1–2.8	7.02S	108.61E	35	4.0,3.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=181.0km s-min=19.9km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=16.3km s-min=7.2km az=16.2.
NEIC Event type fe. Error ellipse: s-maj=160.0km s-min=14.3km az=51.0. Felt [II] at Ciamis.

(139) Mendoza Province

GUC	**VIII**	**29 08 26 20.6–.59**	**32.89S**	**69.18W**	**22–5**	**3.4,2.6L**		
NEIC	VIII	29 08 26 20.6	32.89S	69.18W	22	3.8,3.4		**¶12100342**

GUC Error ellipse: s-maj=2.3km s-min=2.9km az=-1.0.
NEIC Event type fe. Felt [III] at Mendoza. After GUC.

(73) El Salvador

ISC	**VIII**	**29 09 22 09.5–.36**	**13.05N–.05**	**89.07W–.03**	**62–5**	**3.8b**	**73**	**1-148**
CASC	VIII	29 09 22 07.0–3.0	12.92N	89.14W	13–0	4.6L,4.0		**¶11909067**
ISCJB	VIII	29 09 22 08.2–.39	13.00N–.05	89.09W–.04	67–5	3.7b,4.0		
IDC	VIII	29 09 22 08.4–.94	13.22N	88.82W	59–6	3.8,3.6		
NEIC	VIII	29 09 22 09.1–.66	13.01N	89.04W	61	4.5,4.0b		

ISC Event type fe.
CASC Error ellipse: s-maj=5.7km s-min=4.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=3.2km az=33.8.
IDC Error ellipse: s-maj=49.9km s-min=16.4km az=47.0.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=9.5km az=210.0. Felt [II] at San Salvador.

(224) Hokkaido region

ISC	**VIII**	**29 14 41 04.8–.20**	**42.95N–.02**	**143.95E–.03**	**94–1**	**4.5b**	**402**	**0-133**
NIED	VIII	29 14 41 00	42.90N	144.00E	95	4.3W		**¶13392903**
BJI	VIII	29 14 41 03.1	43.04N	144.06E	99	4.8b,4.6b		
MOS	VIII	29 14 41 03.1–1.0	42.97N	144.00E	102	4.7b,4.6b		
ISCJB	VIII	29 14 41 03.8–.20	42.96N–.03	143.94E–.03	99–1	4.5b,4.6b		
IDC	VIII	29 14 41 04.8–.55	42.94N	144.01E	100–4	4.2,4.2		
NEIC	VIII	29 14 41 04.4–.26	43.00N	144.00E	94	4.6b,4.3W		
JMA	VIII	29 14 41 04.4–.10	42.94N	144.04E	96–1	4.1,4.3W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ87.00000°,λ-56.00000°. NP2:ϕ_s43.00000°,δ34.00000°,λ-175.00000°. $M_0$3.60000×10^{15}
MOS Error ellipse: s-maj=8.9km s-min=5.8km az=81.8.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.7km az=156.3.
IDC Error ellipse: s-maj=9.2km s-min=6.9km az=61.0.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.6km az=140.0. Recorded [2 JMA] in southeastern Hokkaido and [1 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$3.60000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s42.00000°,δ36.00000°,λ-174.00000°. NP2: ϕ_s307.00000°,δ87.00000°,λ-54.00000°. Principal axes: T Plg32.0000°,Azm8.0000° ; N Plg36.0000°,Azm125.0000°; P Plg38.0000°,Azm249.0000°

(274) Southern Sumatera

ISC	**VIII**	**29 19 34 36.7–.19**	**3.56S–.03**	**101.52E–.02**	**56**	**4.9b,3.9s**	**322**	**1-145**
MOS	VIII	29 19 34 32.5–1.0	3.32S	101.80E	33	5.2b,3.9s		**¶11223896**
BJI	VIII	29 19 34 34.8	3.50S	101.60E	50	4.9b,4.8b		
ISCJB	VIII	29 19 34 34.7–.19	3.58S–.03	101.49E–.03	54	4.9b,3.9s		
NEIC	VIII	29 19 34 35.8–.22	3.50S	101.63E	50	4.9b,3.9s		
IDC	VIII	29 19 34 36.3–.63	3.43S	101.81E	53–5	4.5,4.5		
DJA	VIII	29 19 34 37	3.57S	101.51E	52	4.9b,4.5		

ISC Event type fe.
MOS Error ellipse: s-maj=11.0km s-min=5.4km az=113.5.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.4km az=40.8.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=5.0km az=55.0. Felt [III] at Bengkulu, Kapahiang and Lais.
IDC Error ellipse: s-maj=15.7km s-min=8.8km az=47.0.

(229) Off east coast of Honshu

ISC	**VIII**	**29 19 55 38.9–.95**	**37.73N–.03**	**142.34E–.03**	**30–6**	**4.5b,4.0s**	**217**	**1-146**
IDC	VIII	29 19 55 34.1–.60	37.69N	142.39E	0	4.4,4.4		**¶11909090**
ISCJB	VIII	29 19 55 36.5–.85	37.74N–.03	142.37E–.03	26–5	4.5b,4.0s		
BJI	VIII	29 19 55 37.0	37.70N	142.36E	36	4.8b,4.7b		
JMA	VIII	29 19 55 37.4–.20	37.72N	142.28E	29–3	4.6,4.7b		
MOS	VIII	29 19 55 38.3–.77	37.88N	142.23E	31	4.8b,4.1s		
NEIC	VIII	29 19 55 39.0–1.8	37.67N	142.34E	33–11	4.6b,4.3W		

ISC Event type fe.
IDC Error ellipse: s-maj=15.8km s-min=14.1km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.9km az=148.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=8.7km s-min=5.3km az=112.3.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.9km az=128.0. Recorded [2 JMA] in Miyagi and [1 JMA] in Fukushima and Iwate. Moment Tensor Solution. $M_0$3.90000×10^{15}

(229) Off east coast of Honshu

ISC	**VIII**	**29 20 04 45.1–1.4**	**37.76N–.03**	**142.34E–.04**	**12–8**	**4.3b,3.7s**	**128**	**1-146**
NIED	VIII	29 20 04 00	37.70N	142.30E	23	4.1W,3.7s		**¶13543435**
BJI	VIII	29 20 04 39.0	37.41N	143.18E	30	4.6b,4.6b		
IDC	VIII	29 20 04 42.9–.61	37.70N	142.41E	0	4.2,4.2		
JMA	VIII	29 20 04 45.8–.20	37.73N	142.32E	30–3	4.4,4.2		
MOS	VIII	29 20 04 45.7–.85	37.78N	142.39E	31	4.7b,4.2		
NEIC	VIII	29 20 04 47.6–2.1	37.77N	142.33E	30–14	4.4b,4.2		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ84.00000°,λ92.00000°. NP2:ϕ_s171.00000°,δ6.00000°,λ71.00000°. $M_0$1.67000×10^{15}
IDC Error ellipse: s-maj=15.8km s-min=13.6km az=132.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=10.3km s-min=7.1km az=111.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=5.7km az=140.0. Recorded [1 JMA] in Miyagi.

(193) Bougainville - Solomon Islands region

ISC	**VIII**	**30 02 01 19.9–.64**	**8.04S–.09**	**156.48E–.06**	**35**	**4.0b**	**17**	**4-127**
IDC	VIII	30 02 01 14.4–1.0	7.93S	156.47E	0	4.5L,4.3		**¶11909100**
ISCJB	VIII	30 02 01 17.9–.64	8.02S–.09	156.48E–.06	33	4.0b,4.3		
NEIC	VIII	30 02 01 19.9–.69	8.04S	156.50E	35	4.4b,4.3		

ISC Event type fe.
IDC Error ellipse: s-maj=26.5km s-min=22.5km az=144.0.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=8.5km az=10.3.
NEIC Event type fe. Error ellipse: s-maj=19.2km s-min=15.5km az=163.0. Felt at Gizo.

(207) Eastern New Guinea region

ISC	**VIII**	**30 06 54 07.2–.57**	**6.14S–.02**	**147.37E–.02**	**68–5**	**6.1b**	**675**	**3-168**
BJI	VIII	30 06 54 02.7	6.19S	147.91E	75	6.3b,6.1s		**¶13392935**
MOS	VIII	30 06 54 02.0–1.2	5.99S	147.25E	33	6.3b,5.9s		
ISCJB	VIII	30 06 54 03.6–.61	6.13S–.02	147.33E–.02	51–5	6.2b,5.9s		
DJA	VIII	30 06 54 04	6.12S	147.79E	44	6.8W,5.9s		
IDC	VIII	30 06 54 06.0–.87	6.12S	147.27E	56–6	5.8,5.8		
TEH	VIII	30 06 54 06.0	6.19S	147.26E	56	5.8,5.8		
NEIC	VIII	30 06 54 07.6–.10	6.15S	147.26E	75	6.3W,6.3W		
GCMT	VIII	30 06 54 14.2–.10	6.33S	147.49E	88–0	6.4W,6.3W		

ISC Event type fe.
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=94.6.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.0km az=15.0.
IDC Error ellipse: s-maj=10.2km s-min=7.5km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=4.1km az=87.0. Felt at Goroka, Lae, Madang, Mount Hagen and Port Moresby. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s95 Moment tensor: Scale 10^{18}Nm; M_{rr}1.15 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-2.32 $M_{r\theta}$2.24 $M_{\theta\phi}$-1.19 $M_{\phi r}$0.06 Best double couple: NP1:ϕ_s56.00000°,δ72.00000°,λ137.00000°. NP2:ϕ_s162.00000° ,δ50.00000°,λ24.00000°. Principal axes: T 3.5100,Plg42.0000°,Azm10.0000° ; N -0.6500,Plg44.0000°,Azm217.0000°; P -2.8600,Plg13.0000°,Azm113.0000° $M_0$3.20000×10^{18} Moment Tensor Solution. $M_0$2.90000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=117, comp=288, per= 50. Moment Tensor Solution. s117,c294; s91,c155; Moment tensor: Scale 10^{18}Nm; M_{rr}0.59±.03 $M_{\theta\theta}$3.18±.03; $M_{\phi\phi}$-3.77±.03; $M_{r\theta}$2.87±.02; $M_{\theta\phi}$-2.24±.02; $M_{\phi r}$0.26±.02; Best double couple: NP1:ϕ_s156.00000°,δ59.00000°,λ13.00000°. NP2:ϕ_s59.00000°,δ79.00000°,λ148.00000°. Principal axes: T 5.3800,Plg30.0000°,Azm13.0000°; N -0.6900,Plg57.0000°,Azm222.0000° ; P -4.6800,Plg13.0000°,Azm111.0000° $M_0$5.00000×10^{18}

(318) Yunnan

ISC	**VIII**	**30 08 30 52.0–.55**	**26.31N–.01**	**101.89E–.02**	**2–3**	**5.8s,5.6b**	**1165**	**1-173**
IDC	VIII	30 08 30 50.7–.31	26.24N	101.95E	0	5.5s,5.5		**¶13392944**
ISCJB	VIII	30 08 30 52.5–.09	26.31N–.01	101.91E–.02	17	5.8s,5.6b		
BJI	VIII	30 08 30 52.6	26.30N	102.06E	19	6.3s,6.1L		
MOS	VIII	30 08 30 53.7–.92	26.27N	101.99E	29	5.8b,5.7s		
NEIC	VIII	30 08 30 53.0–.12	26.24N	101.89E	11	6.1,5.8s		
TEH	VIII	30 08 30 54.0	26.34N	101.91E	10	6.1,5.8s		
SZGRF	VIII	30 08 30 57.8	26.15N	101.77E	33	6.0s,5.8b		
GCMT	VIII	30 08 30 57.5–.10	26.19N	102.04E	24–0	6.0W,5.8b		
DJA	VIII	30 08 30 59	26.26N	101.81E	45	6.1W,5.8b		
BGS	VIII	30 08 31 19.4–1.6	28.82N	96.81E	10–0	5.9s,5.3b		

ISC Event type de.
IDC Error ellipse: s-maj=9.7km s-min=7.7km az=58.0.
ISCJB Event type de. Error ellipse: s-maj=2.2km s-min=1.8km az=35.3.
MOS Error ellipse: s-maj=6.1km s-min=3.2km az=122.5.
NEIC Event type de. Error ellipse: s-maj=3.9km s-min=2.8km az=198.0. At least 32 people killed and 321 injured at Huili; 6 people killed and 132 injured at Chuxiong; 5 people killed and 132 injured at Panzhihua; 4 people injured at Kunming. At least 392,000 houses damaged or destroyed in the Sichuan-Yunnan area. At least 66 schools, 22 bridges, 131 roads and 19 reservoirs damaged at Panzhihua. Chengdu-Kunming railroad service interrupted. Strongly felt at Panzhihua and Xichang. Felt [III] at Kunming. Also felt at Chengdu, Dali and Yibin. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s200.00000°,δ65.00000°,λ30.00000°. NP2:ϕ_s96.00000°,δ63.00000°,λ152.00000°. Principal axes: T Plg38.0000°,Azm59.0000°; N Plg0.0000°,Azm0.0000°; P Plg1.0000° ,Azm328.0000° Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97 $M_{\theta\theta}$-2.62 $M_{\phi\phi}$3.59 $M_{r\theta}$0.07 $M_{\theta\phi}$-5.42 $M_{\phi r}$-2.21 Best double couple: NP1:ϕ_s195.00000° ,δ89.00000°,λ19.00000°. NP2:ϕ_s104.00000°,δ71.00000°,λ179.00000°. Principal axes: T 7.2000,Plg13.0000°,Azm61.0000°; N -1.2000,Plg71.0000°,Azm196.0000° ; P -5.9900,Plg12.0000°,Azm327.0000° $M_0$6.70000×10^{17}
SZGRF Yunnan, China.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=221, per= 50. Moment Tensor Solution. s78,c129; s53,c72; Moment tensor: Scale 10^{18}Nm; M_{rr}0.02±.01 $M_{\theta\theta}$-0.37±.01; $M_{\phi\phi}$0.35±.01; $M_{r\theta}$-0.01±.02; $M_{\theta\phi}$-1.03±.01; $M_{\phi r}$-0.07±.02; Best double couple: NP1:ϕ_s100.00000°,δ86.00000°,λ180.00000°. NP2:ϕ_s190.00000°,δ90.00000°,λ4.00000°. Principal axes: T 1.0800,Plg3.0000°,Azm55.0000°; N 0.0200,Plg86.0000°,Azm192.0000° ; P -1.1000,Plg2.0000°,Azm325.0000° $M_0$1.10000×10^{18}

BGS Error ellipse: s-maj=347.2km s-min=422.3km az=-1.0.

(232) Western Honshu

ISC	**VIII**	**30 09 28 30.0–.56**	**35.38N–.04**	**135.87E–.03**	**6–4**	**3.9b**	**34**	**0-95**
NIED	VIII	30 09 28 00	35.40N	135.90E	38	4.3W		**¶13392946**
IDC	VIII	30 09 28 28.4–.71	35.28N	135.85E	0	4.0,3.9		
ISCJB	VIII	30 09 28 29.4–.55	35.38N–.04	135.86E–.03	12–3	3.9b,3.9		
NEIC	VIII	30 09 28 30.1	35.42N	135.86E	14	4.0b,3.9		
JMA	VIII	30 09 28 30.1	35.42N	135.86E	15–1	4.2,3.9		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ58.00000°,λ139.00000°. NP2:ϕ_s305.00000°,δ56.00000°,λ40.00000°. $M_0$2.66000×10^{15}

IDC Error ellipse: s-maj=17.0km s-min=12.6km az=168.0.

ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.1km az=2.0.

NEIC Event type fe. Recorded [3 JMA] in Fukui and Shiga; [2 JMA] in Kyoto; [1 JMA] in Aichi, Gifu, Hyogo, Ishikawa, Mie, Nara, Okayama and Osaka. After JMA.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s315.00000°,δ57.00000°,λ24.00000°. NP2:ϕ_s211.00000°,δ70.00000°,λ145.00000°. Principal axes: T Plg39.0000°,Azm169.0000°; N Plg50.0000°,Azm5.0000°; P Plg8.0000° ,Azm265.0000°

(232) Western Honshu

JMA	**VIII**	**30 09 46 35.8**	**35.42N**	**135.86E**	**14–1**	**2.8**		**¶13543612**

JMA Event type fe.

(162) South Island

WEL	**VIII**	**30 11 30 38.3–.41**	**44.24S**	**167.69E**	**12**	**4.7L**		
NEIC	VIII	30 11 30 38.6	44.26S	167.76E	12	4.6L		**¶11326302**

WEL Event type fe. Error ellipse: s-maj=3.5km s-min=1.8km az=90.0. Felt from West Coast to Southland, maximum reported intensity MM 4.

NEIC Event type se. After WEL.

(249) Luzon

ISC	**VIII**	**30 12 04 52.9–.33**	**13.10N–.02**	**124.32E–.03**	**51–3**	**5.1b,4.7s**	**422**	**1-168**
IDC	VIII	30 12 04 44.9–.44	12.98N	124.32E	0	4.8,4.7		**¶11223919**
MAN	VIII	30 12 04 47	13.05N	124.33E	7	5.7b,5.1s		
MOS	VIII	30 12 04 48.5–.98	13.06N	124.36E	33	5.4b,4.7s		
BJI	VIII	30 12 04 50.4	13.04N	124.41E	52	5.3b,5.1b		
ISCJB	VIII	30 12 04 50.3–.37	13.12N–.02	124.35E–.03	42–3	5.1b,4.7s		
GCMT	VIII	30 12 04 50.2–.20	13.11N	124.40E	23–0	5.2W,4.7s		
DJA	VIII	30 12 04 52	13.29N	124.32E	10	5.2b,4.7s		
NEIC	VIII	30 12 04 52.3–.59	13.01N	124.32E	50–5	5.1b,4.7s		

ISC Event type fe.

IDC Error ellipse: s-maj=17.0km s-min=11.6km az=87.0.

MAN Event type fe. INTENSITY V - LEGASPI CITY; INTENSITY IV - SAN ANDRES CATANDUANES; CABID-AN SORSOGON; INTENSITY III - CATARMAN NORTHERN SAMAR; IROSIN SORSOGON; INTENSITY II - CATBALOGAN NORTHERN SAMAR.

MOS Error ellipse: s-maj=9.1km s-min=5.0km az=114.0.

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=170.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c76; s87,c165; Moment tensor: Scale 10^{16}Nm; M_{rr}4.70±.24 $M_{\theta\theta}$0.73±.17; $M_{\phi\phi}$-5.44±.19; $M_{r\theta}$3.45±.30; $M_{\theta\phi}$6.38±.13; $M_{\phi r}$3.09±.31; Best double couple: NP1:ϕ_s113.00000°,δ57.00000°,λ33.00000°. NP2:ϕ_s3.00000°,δ63.00000°,λ142.00000°. Principal axes: T 9.3000,Plg45.0000° ,Azm326.0000°; N 0.1800,Plg45.0000°,Azm153.0000°; P -9.4900,Plg4.0000°,Azm59.0000° $M_0$9.40000×10^{16}

NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.4km az=82.0. Felt [V PIVS] at Legaspi and [III PIVS] at Irosin, Luzon. Felt [IV PIVS] at San Andres, Catanduanes. Also felt [III PIVS] at Catarman and [II PIVS] at Catbalogan, Samar.

(332) Northern Xinjiang

ISC	**VIII**	**30 12 46 47.6–.54**	**42.71N–.01**	**83.89E–.02**	**9–3**	**5.2b,5.1s**	**1065**	**3-161**
BGS	VIII	30 12 46 41.8–1.8	41.79N	84.16E	10–0	5.5s,4.9b		**¶13392964**
ISCJB	VIII	30 12 46 44.9–.59	42.70N–.02	83.84E–.02	2–3	5.2b,5.1s		
LDG	VIII	30 12 46 45.0–.32	42.65N	83.81E	10–0	5.2b,4.6s		
IDC	VIII	30 12 46 45.9–.39	42.74N	83.97E	0	5.1,5.1		
NNC	VIII	30 12 46 45.6–1.9	42.70N	84.14E	7–8	5.5,5.5b		
BJI	VIII	30 12 46 46.9	42.65N	83.95E	11	5.5s,5.5L		
NEIC	VIII	30 12 46 47.8–.11	42.73N	83.90E	10	5.2b,5.5L		
GCMT	VIII	30 12 46 49.7–.10	42.79N	83.96E	13–0	5.3W,5.5L		
MOS	VIII	30 12 46 49.2–1.0	42.69N	83.81E	31	5.4b,5.1s		
SZGRF	VIII	30 12 46 49.9	42.57N	84.38E	33	5.4b,5.0s		
DJA	VIII	30 12 46 53	42.13N	83.51E	15	5.4b,5.0s		

ISC Event type fe.

BGS Error ellipse: s-maj=563.6km s-min=999.9km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=26.5.

LDG Event type ke. Error ellipse: s-maj=16.1km s-min=4.5km az=162.0.

IDC Error ellipse: s-maj=10.6km s-min=8.1km az=47.0.

NNC Error ellipse: s-maj=14.4km s-min=9.3km az=143.0.

NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=190.0. Felt at Korla.

GCMT Event type se. Data Used: IU II IC CN G. Moment Tensor Solution. s59,c90; s93,c175; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s265.00000°,δ39.00000°,λ118.00000°. NP2:ϕ_s50.00000° ,δ57.00000°,λ69.00000°. Principal axes: T 0.9600,Plg70.0000°,Azm272.0000° ; N 0.3600,Plg17.0000°,Azm62.0000°; P -1.3200,Plg9.0000°,Azm155.0000° $M_0$1.10000×10^{17}

MOS Error ellipse: s-maj=5.5km s-min=3.2km az=132.9.

SZGRF Northern Xinjiang, China.

(73) El Salvador

ISC	**VIII**	**30 12 52 42.0–.55**	**12.93N–.05**	**89.15W–.03**	**48–5**	**4.0b**	**69**	**1-148**
IDC	VIII	30 12 52 36.7–1.3	13.66N	88.33W	0	4.1,4.0L		**¶11909116**
CASC	VIII	30 12 52 40.7–1.8	12.91N	89.15W	24–6	4.2L,4.1b		
ISCJB	VIII	30 12 52 41.1–.55	12.93N–.05	89.14W–.04	58–5	4.0b,4.1b		
NEIC	VIII	30 12 52 44.4–.83	13.10N	89.03W	67–8	4.5,4.1b		

ISC Event type fe.

IDC Error ellipse: s-maj=76.8km s-min=21.9km az=49.0.

CASC Error ellipse: s-maj=5.1km s-min=3.2km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=3.9km az=27.4.

NEIC Event type fe. Error ellipse: s-maj=14.3km s-min=8.2km az=207.0. Felt [III] at San Salvador.

(327) Lake Baykal region

ISC	**VIII**	**30 13 53 28.7–.19**	**51.58N–.02**	**104.18E–.02**	**10**	**3.9b,3.3s**	**187**	**0-87**
BJI	VIII	30 13 53 25.7	51.73N	104.37E	13	4.5b,4.4b		**¶11232732**
IDC	VIII	30 13 53 26.8–.71	51.60N	104.20E	0	3.9,3.8		
ISCJB	VIII	30 13 53 26.8–.20	51.57N–.02	104.17E–.02	10	3.9b,3.3s		
MOS	VIII	30 13 53 28.2–1.1	51.63N	104.05E	20	4.1b,3.3s		
NEIC	VIII	30 13 53 28.9–1.2	51.66N	104.09E	13–7	4.1b,3.3s		
BYKL	VIII	30 13 53 28.8–.22	51.63N	104.03E	12–3	4.1b,3.3s		

ISC Event type fe.

IDC Error ellipse: s-maj=18.7km s-min=10.9km az=41.0.

ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=160.4.

MOS Event type fe. Error ellipse: s-maj=8.4km s-min=6.5km az=66.8. Felt (III-IV) at Slyudyanka, Irkutsk, (II-III) at Angarsk, (II) at Yelantsy. Moment Tensor Solution.

NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=6.5km az=162.0. Felt [III] at Irkutsk and [II] at Angarsk.

BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 103.00 60.00 -56.00 25 0 IEC + 230.00 44.00 -134.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 170.00 9.00 265.00 28.00 64.00 60.00 IEC + 0.0 0.0 0.0 0.0 0.0 0.0 IEC. FELT I=IV-V MSK at Kultuk,Slyudyanka,Talaya,Baykalsk, III-IV at Golubie Eli, III at Irkutsk,Yelantsy,Glubokaya, II-III - Angarsk, II - Zakamensk.

(227) Eastern Honshu

ISC	**VIII**	**30 20 15 43.0–.20**	**36.22N–.03**	**138.68E–.03**	**134–1**	**4.3b**	**408**	**0-149**
BJI	VIII	30 20 15 39.1	36.10N	138.96E	131	4.7b,4.5b		**¶13392999**
ISCJB	VIII	30 20 15 41.9–.21	36.21N–.03	138.65E–.03	137–1	4.3b,4.5b		
NEIC	VIII	30 20 15 42.2–.45	36.28N	138.74E	132–3	4.5b,4.3W		
IDC	VIII	30 20 15 42.4–.37	36.20N	138.75E	134–2	4.2,4.2		
MOS	VIII	30 20 15 42.0–.72	36.51N	138.70E	131	4.4b,4.2		
JMA	VIII	30 20 15 43.1–.10	36.22N	138.90E	133–1	4.0,4.2		
NIED	VIII	30 20 16 00	36.20N	138.90E	140	4.3W,4.2		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.8km az=25.7.

NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.4km az=145.0. Recorded [1 JMA] in Gumma, Ibaraki, Saitama and Tochigi. Moment Tensor Solution. $M_0$3.20000×10^{15}

IDC Error ellipse: s-maj=11.4km s-min=7.7km az=78.0.

MOS Error ellipse: s-maj=9.5km s-min=5.4km az=101.9.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s233.00000°,δ33.00000°,λ-116.00000°. NP2: ϕ_s84.00000°,δ60.00000°,λ-74.00000°. Principal axes: T Plg14.0000°,Azm162.0000° ; N Plg14.0000°,Azm256.0000°; P Plg70.0000°,Azm28.0000°

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s92.00000°,δ55.00000°,λ-68.00000°. NP2:ϕ_s237.00000°,δ40.00000°,λ-119.00000°. $M_0$3.22000×10^{15}

(249) Luzon

ISC	**VIII**	**31 00 29 38.9–.36**	**13.04N–.02**	**124.38E–.03**	**48–3**	**4.9b,4.1s**	**360**	**1-167**
MAN	VIII	31 00 29 34	13.01N	124.23E	0	5.6b,5.0s		**¶11227311**
MOS	VIII	31 00 29 35.6–.96	13.04N	124.35E	33	5.1b,4.0s		
BJI	VIII	31 00 29 35.5	12.99N	124.40E	36	4.9b,4.8b		
ISCJB	VIII	31 00 29 36.6–.41	13.06N–.02	124.43E–.03	42–3	4.9b,4.1s		
NEIC	VIII	31 00 29 37.2–.56	12.97N	124.39E	35–4	4.8b,4.1s		
IDC	VIII	31 00 29 37.0–2.2	12.89N	124.29E	36–16	4.6,4.6b		
DJA	VIII	31 00 29 50	12.92N	123.74E	103	4.9b,4.6b		

ISC Event type fe.

MAN Event type fe. INTENSITY III - SORSOGON CITY; IROSIN SORSOGON; CATARMAN NORTHERN SAMAR; INTENSITY II - BAGACAY ALBAY; LEGASPI CITY.

MOS Error ellipse: s-maj=9.3km s-min=5.2km az=116.0.

ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=174.3.

NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=82.0. Felt [III PIVS] at Catarman. Also felt [III PIVS] at Irosin and Sorsogon; [II PIVS] at Bagacay and Legaspi, Luzon.

IDC Error ellipse: s-maj=17.8km s-min=10.1km az=73.0.

(232) Western Honshu

JMA	**VIII**	**31 04 12 19.8**	**34.92N**	**136.87E**	**14–1**	**3.1**		**¶13543891**

JMA Event type fe.

(249) Luzon

MAN	**VIII**	**31 04 39 35**	**15.93N**	**120.83E**	**14**	**4.5b,3.4L**		**¶13728489**

MAN Event type fe. INTENSITY II - BAGUIO CITY.

(232) Western Honshu

ISC	**VIII**	**31 05 33 00.6–1.0**	**35.96N–.04**	**136.38E–.06**	**1–7**	**3.4b**	**15**	**0-59**
ISCJB	VIII	31 05 32 59.7–.88	35.93N–.04	136.34E–.05	9–5	3.4b		**¶11747555**
NIED	VIII	31 05 33 00	36.00N	136.40E	17	3.5W		
IDC	VIII	31 05 33 00.5–1.2	35.80N	136.37E	0	3.6,3.4L		
JMA	VIII	31 05 33 00.6	35.98N	136.38E	7–1	3.8,3.4L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=6.8km az=141.6.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ88.00000°,λ-176.00000°. NP2:ϕ_s327.00000°,δ86.00000°,λ-2.00000°. $M_0$2.33000×10^{14}

IDC Error ellipse: s-maj=28.3km s-min=13.4km az=154.0.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s320.00000°,δ66.00000°,λ-13.00000°. NP2:ϕ_s56.00000°,δ78.00000°,λ-155.00000°. Principal axes: T Plg8.0000°,Azm186.0000°; N Plg63.0000°,Azm80.0000°; P Plg26.0000° ,Azm280.0000°

(318) Yunnan

ISC	**VIII**	**31 08 31 09.8–.66**	**26.25N–.02**	**101.92E–.01**	**3–4**	**5.4b,5.2s**	**1081**	**1-173**
ISCJB	VIII	31 08 31 08.8–.09	26.24N–.02	101.93E–.02	8	5.4b,5.2s		**¶13393047**
BJI	VIII	31 08 31 10.0	26.27N	102.06E	13	5.8s,5.6L		
NEIC	VIII	31 08 31 10.7–.11	26.23N	101.97E	10	5.5b,5.3W		
TEH	VIII	31 08 31 11.0	26.23N	101.95E	10	5.5b,5.3W		
MOS	VIII	31 08 31 12.5–.81	26.20N	101.97E	35	5.5b,5.0s		
IDC	VIII	31 08 31 12.6–2.2	26.22N	101.95E	25–14	5.2L,4.9b		
DJA	VIII	31 08 31 13	26.21N	101.84E	10	5.8W,4.9b		
GCMT	VIII	31 08 31 14.2–.10	26.16N	102.01E	25–0	5.6W,4.9b		
SZGRF	VIII	31 08 31 18.0	26.44N	101.47E	33	5.5b,5.5s		
BGS	VIII	31 08 31 19.1–1.5	26.87N	99.84E	10–0	5.2s,5.1b		

ISC Event type de.

ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=1.9km az=30.7.

NEIC Event type de. Error ellipse: s-maj=3.3km s-min=2.7km az=218.0. Two people killed in the Panzhihua area. Felt [III] at Kunming. Also felt at Xichang. Moment Tensor Solution. s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-0.17 $M_{r\theta}$-0.03 $M_{\theta\phi}$-1.25 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s86.00000°,δ76.00000°,λ-177.00000°. NP2:ϕ_s355.00000° ,δ87.00000°,λ-14.00000°. Principal axes: T 1.3100,Plg7.0000°,Azm41.0000° ; N -0.0100,Plg75.0000°,Azm165.0000°; P -1.3000,Plg11.0000°,Azm309.0000° $M_0$1.30000×10^{17}

MOS Error ellipse: s-maj=6.0km s-min=3.4km az=119.1.

IDC Error ellipse: s-maj=10.7km s-min=9.4km az=69.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 96, comp=198, per= 50. Moment Tensor Solution. s73,c112; s33,c35; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.04 $M_{\theta\theta}$-0.97±.04; $M_{\phi\phi}$1.05±.04; $M_{r\theta}$-0.66±.09; $M_{\theta\phi}$-2.39±.04; $M_{\phi r}$-0.18±.09; Best double couple: NP1:ϕ_s11.00000°,δ77.00000°,λ-7.00000°. NP2:ϕ_s102.00000°,δ84.00000°,λ-167.00000°. Principal axes: T 2.6500,Plg5.0000°,Azm236.0000°; N 0.0700,Plg75.0000°,Azm128.0000° ; P -2.7200,Plg14.0000°,Azm327.0000° $M_0$2.70000×10^{17}

SZGRF Yunnan, China.

BGS Error ellipse: s-maj=395.6km s-min=474.0km az=-1.0.

(243) Taiwan region

ISC	**VIII**	**31 11 40 53.0–.38**	**24.27N–.02**	**121.79E–.03**	**23–2**		**95**	**0-3**
NEIC	VIII	31 11 40 48.4–2.6	24.19N	122.06E	10	3.9L		**¶12100407**
ISCJB	VIII	31 11 40 52.7–.38	24.25N–.02	121.80E–.03	24–2	3.9L		
TAP	VIII	31 11 40 52.8	24.28N	121.70E	30–0	3.7L		

ISC Event type fe.

NEIC Event type fe. Error ellipse: s-maj=27.2km s-min=9.4km az=87.0. Recorded [3 TAP] in Hua-lien and I-lan; [1 TAP] in Nan-t'ou.

ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.6km az=19.6.

TAP B.

(207) Eastern New Guinea region

ISC	**VIII**	**31 12 12 01.2–.25**	**6.28S–.03**	**147.45E–.05**	**85**	**4.6b**	**121**	**3-153**
BJI	VIII	31 12 11 53.9	6.73S	148.00E	80	5.0b,4.8b		**¶11227323**
MOS	VIII	31 12 11 54.7–.82	6.02S	147.28E	33	4.9b,4.8b		
IDC	VIII	31 12 11 59.3–1.9	6.16S	147.42E	62–16	4.4,4.4		
ISCJB	VIII	31 12 11 59.4–.24	6.26S–.03	147.42E–.05	83	4.6b,4.4		
NEIC	VIII	31 12 12 00.7–.87	6.22S	147.43E	80–8	4.7b,4.4		
GCMT	VIII	31 12 12 04.6–.30	6.40S	147.58E	108–3	5.0W,4.4		

ISC Event type fe.

MOS Error ellipse: s-maj=13.0km s-min=7.2km az=96.5.

IDC Error ellipse: s-maj=15.8km s-min=9.8km az=101.0.

ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.2km az=1.7.

NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=6.1km az=84.0. Felt at Lae.

GCMT Event type se. Data Used: II IC IU G. Moment Tensor Solution. s21,c22; s64,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}1.30±.14 $M_{\theta\theta}$1.63±.12; $M_{\phi\phi}$-2.93±.14; $M_{r\theta}$1.45±.08; $M_{\theta\phi}$-2.11±.12; $M_{\phi r}$-0.29±.12; Best double couple: NP1:ϕ_s162.00000°,δ64.00000°,λ23.00000°. NP2:ϕ_s61.00000°,δ69.00000°,λ152.00000°. Principal axes: T 3.4500,Plg34.0000° ,Azm20.0000°; N 0.3300,Plg56.0000°,Azm207.0000°; P -3.7700,Plg3.0000°,Azm112.0000° $M_0$3.60000×10^{16}

(249) Luzon

ISC	**VIII**	**31 19 48 28.1–1.9**	**18.33N–.09**	**122.49E–.08**	**13–10**	**3.2b**	**18**	**0-43**
IDC	VIII	31 19 48 27.3–3.8	17.92N	122.55E	0	4.1L,3.8		**¶12581606**
MAN	VIII	31 19 48 32	18.06N	122.19E	1	5.1b,4.2s		

ISC Event type fe.

IDC Error ellipse: s-maj=83.4km s-min=32.5km az=35.0.

MAN Event type fe. INTENSITY III - STA ANA CAGAYAN.

(159) North Island

ISC	**IX**	**01 01 21 49.9–.16**	**39.18S–.02**	**175.89E–.03**	**92–1**	**5.2b**	**295**	**0-179**
BJI	IX	01 01 21 47.8	39.10S	175.90E	50	5.5b,5.4b		**¶13393097**
ISCJB	IX	01 01 21 48.9–.16	39.17S–.02	175.87E–.03	99–1	5.2b,5.4b		
WEL	IX	01 01 21 50.9–.10	39.11S	175.89E	85–1	5.8L,5.4b		
NEIC	IX	01 01 21 50.9	39.11S	175.89E	51	5.8L,5.2b		
IDC	IX	01 01 21 51.4–.89	38.89S	175.95E	107–9	4.8,4.7		
GCMT	IX	01 01 21 52.5–.30	39.14S	175.88E	96–2	5.2W,4.7		
DJA	IX	01 01 22 07	39.30S	175.06E	214	5.2b,4.7		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=22.7.

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0. Felt between Auckland, Otago and Gisborne, maximum reported intensity MM 5.

NEIC Event type fe. Felt [IV] at Hastings, Havelock North, Napier, Palmerston North, Taradale, Taupo, Wanganui and Wellington. Felt throughout the central part of the North Island and in parts of the South Island. After WEL.

IDC Error ellipse: s-maj=16.7km s-min=13.5km az=32.0.

GCMT Event type se. Data Used: IU II CN IC G. Surface waves: sta= 63, comp= 91, per= 50. Moment Tensor Solution. s38,c55; s1,c1; Moment tensor: Scale 10^{16}Nm; M_{rr}0.19±.24 $M_{\theta\theta}$7.64±.26; $M_{\phi\phi}$-7.83±.24; $M_{r\theta}$2.56±.18; $M_{\theta\phi}$-0.37±.23; $M_{\phi r}$-2.49±.17; Best double couple: NP1:ϕ_s46.00000°,δ65.00000°,λ179.00000°. NP2:ϕ_s137.00000°,δ89.00000°,λ25.00000°.

Principal axes: T 8.5100,Plg18.0000°,Azm4.0000°; N 0.0300,Plg65.0000°,Azm140.0000° ; P -8.5500,Plg16.0000°,Azm269.0000° $M_0$8.50000×10^{16}

(221) Kuril Islands

ISC	**IX**	**01 03 55 22.2–1.2**	**43.4N–.10**	**146.8E–.10**	**49–11**	**3.5b**	**28**	**1-83**
NIED	IX	01 03 55 00	43.30N	146.80E	47	3.7W		**¶11747564**
IDC	IX	01 03 55 15.8–1.1	43.53N	146.66E	0	3.9,3.7b		
ISCJB	IX	01 03 55 22.0–1.2	43.40N–.10	146.7E–.10	63–10	3.5b,3.7b		
JMA	IX	01 03 55 21.5–.20	43.33N	146.76E	46–3	3.9,3.7b		
NEIC	IX	01 03 55 23.9–1.4	43.63N	146.77E	61–13	3.9,3.7b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s53.00000°,δ51.00000°,λ122.00000°. NP2:ϕ_s188.00000°,δ49.00000°,λ57.00000°. $M_0$4.48000×10^{14}

IDC Error ellipse: s-maj=29.6km s-min=22.1km az=150.0.

ISCJB Event type fe. Error ellipse: s-maj=18.7km s-min=10.7km az=145.6.

JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=22.5km s-min=11.4km az=146.0.

(717) Afghanistan-Tajikistan border region

ISC	**IX**	**01 04 24 30.4–.56**	**37.36N–.01**	**68.95E–.01**	**0–3**	**5.3b,5.0s**	**951**	**1-149**
IDC	IX	01 04 24 29.6–.37	37.26N	69.04E	0	5.1,5.1		**¶13393112**
ISCJB	IX	01 04 24 30.5–.09	37.32N–.01	68.95E–.01	14	5.3b,5.0s		
NEIC	IX	01 04 24 30.5–1.8	37.33N	68.93E	2–11	5.4b,4.9s		
BGS	IX	01 04 24 31.2–2.4	36.12N	67.46E	10–0	5.1s,5.0b		
NNC	IX	01 04 24 31.0–6.9	37.72N	68.61E	0	5.9,5.7b		
BJI	IX	01 04 24 32.0	37.57N	69.32E	5	5.5s,5.4b		
TEH	IX	01 04 24 33.0	37.42N	68.93E	10	5.5s,5.4b		
MOS	IX	01 04 24 33.3–.98	37.37N	68.97E	33	5.5b,4.9s		
SZGRF	IX	01 04 24 35.6	36.83N	68.78E	33	5.1b,4.9s		
DJA	IX	01 04 24 40	37.39N	68.99E	65	5.3b,4.9s		

ISC Event type fe.

IDC Error ellipse: s-maj=10.5km s-min=8.3km az=144.0.

ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=21.1.

NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=2.6km az=182.0. Felt at Dushanbe.

BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

NNC Error ellipse: s-maj=59.1km s-min=51.8km az=51.0.

MOS Event type fe. Error ellipse: s-maj=5.3km s-min=3.1km az=131.9. Felt (III-IV) at Dushanbe. Moment Tensor Solution.

SZGRF Hindu Kush, Afghanistan, region.

(224) Hokkaido region

ISC	**IX**	**01 05 41 16.8–.20**	**42.58N–.02**	**141.74E–.03**	**129–1**	**4.5b**	**261**	**0-156**
NIED	IX	01 05 41 00	42.60N	141.70E	125	4.5W		**¶13393121**
ISCJB	IX	01 05 41 15.7–.20	42.58N–.03	141.74E–.03	134–1	4.5b		
BJI	IX	01 05 41 15.3	42.78N	141.80E	135	4.7b,4.7b		
MOS	IX	01 05 41 15.5–.77	42.63N	141.69E	128	4.5b,4.7b		
JMA	IX	01 05 41 16.5–.10	42.59N	141.73E	133–1	4.5,4.7b		
NEIC	IX	01 05 41 16.7–.34	42.60N	141.71E	128–3	4.4b,4.7b		
IDC	IX	01 05 41 16.6–.89	42.58N	141.74E	128–7	4.3,4.2b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s253.00000°,δ76.00000°,λ-67.00000°. NP2:ϕ_s12.00000°,δ27.00000°,λ-148.00000°. $M_0$5.43000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.3km az=149.1.

MOS Error ellipse: s-maj=8.7km s-min=5.4km az=109.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s12.00000°,δ55.00000°,λ-174.00000°. NP2: ϕ_s278.00000°,δ85.00000°,λ-35.00000°. Principal axes: T Plg20.0000°,Azm330.0000° ; N Plg55.0000°,Azm91.0000°; P Plg28.0000°,Azm229.0000°

NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.0km az=129.0. Recorded [2 JMA] in southern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu.

IDC Error ellipse: s-maj=12.1km s-min=9.2km az=131.0.

(2) Southern Alaska

NEIC	**IX**	**01 09 16 11.1**	**61.62N**	**147.73W**	**20**	**3.7L,3.4L**		**¶12951814**

NEIC Event type fe. Felt at Anchorage. After AEIC.

(263) Talaud Islands

ISC	**IX**	**01 17 19 11.9–.12**	**4.52N–.02**	**126.16E–.02**	**112**	**5.6b**	**614**	**2-167**
MOS	IX	01 17 19 10.3–1.1	4.63N	126.05E	103	5.6b,4.5s		**¶13393148**
ISCJB	IX	01 17 19 10.2–.12	4.54N–.02	126.16E–.02	109	5.6b,4.5s		
BJI	IX	01 17 19 10.0	4.35N	126.16E	123	5.4b,5.3b		
IDC	IX	01 17 19 11.7–.53	4.55N	126.08E	106–4	5.2,5.2		
NEIC	IX	01 17 19 11.7–.12	4.54N	126.04E	109	5.7b,5.5W		
GCMT	IX	01 17 19 12.3–.10	4.59N	126.17E	114–1	5.6W,5.5W		
SZGRF	IX	01 17 19 12.6	4.60N	126.10E	114	5.6W,5.5W		
TEH	IX	01 17 19 13.0	4.57N	126.15E	122	5.6W,5.5W		
MAN	IX	01 17 19 13	4.53N	126.03E	102	6.0b,5.6s		
DJA	IX	01 17 19 13	4.52N	126.23E	124	5.9W,5.6s		

ISC Event type fe.

MOS Error ellipse: s-maj=8.0km s-min=4.7km az=108.6.

ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=4.0.

IDC Error ellipse: s-maj=11.8km s-min=8.7km az=70.0.

NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.5km az=65.0. Felt [II] on Pulau Sangihe. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.11 $M_{\theta\theta}$0.13 $M_{\phi\phi}$0.97 $M_{r\theta}$-0.75 $M_{\theta\phi}$-0.21 $M_{\phi r}$2.09 Best double couple: NP1:ϕ_s161.00000°,δ77.00000°,λ-92.00000°. NP2:ϕ_s351.00000°,δ13.00000°,λ-80.00000°. Principal axes: T 2.4200,Plg32.0000° ,Azm252.0000°; N 0.0900,Plg2.0000°,Azm161.0000°; P -2.5100,Plg57.0000°,Azm67.0000° $M_0$2.50000×10^{17}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=199, per= 50. Moment Tensor Solution. s100,c184; s19,c19; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.78±.04 $M_{\theta\theta}$-0.47±.04; $M_{\phi\phi}$1.25±.04; $M_{r\theta}$-1.15±.02; $M_{\theta\phi}$-0.36±.04; $M_{\phi r}$2.22±.03; Best double couple: NP1:ϕ_s17.00000°,δ15.00000°,λ-46.00000°. NP2:ϕ_s152.00000°,δ79.00000°,λ-100.00000°. Principal axes: T 2.9400,Plg34.0000°,Azm251.0000°; N -0.4100,Plg10.0000°,Azm154.0000° ; P -2.5200,Plg54.0000°,Azm49.0000° $M_0$2.70000×10^{17}

SZGRF Talaud Islands, Indonesia.

(280) Banda Sea

ISC	**IX**	**02 03 14 38.3–.38**	**6.54S–.03**	**130.14E–.03**	**169–3**	**4.9b**	**165**	**2-151**
BJI	IX	02 03 14 27.0	7.43S	130.53E	147	4.8b,4.8b		**¶11377779**
NEIC	IX	02 03 14 36.3–1.0	6.51S	130.05E	148–10	4.9b,4.8b		
ISCJB	IX	02 03 14 37.5–.39	6.52S–.03	130.14E–.03	178–3	4.9b,4.8b		
IDC	IX	02 03 14 37.6–1.6	6.52S	129.98E	161–14	4.4,4.3b		
DJA	IX	02 03 14 38	6.59S	130.14E	150	5.0b,4.3b		

ISC Event type fe.

NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=5.3km az=50.0. Felt at Darwin, Australia.

ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.2km az=156.9.

IDC Error ellipse: s-maj=15.8km s-min=9.2km az=65.0.

(76) Off coast of central America

ISC	**IX**	**02 05 26 00.6–.42**	**13.07N–.07**	**88.94W–.05**	**61–7**	**3.4b**	**59**	**1-65**
IDC	IX	02 05 25 53.2–1.2	13.58N	88.15W	0	3.8,3.7		**¶11909260**
ISCJB	IX	02 05 25 59.4–.45	13.02N–.07	88.95W–.05	68–6	3.4b,3.7		
NEIC	IX	02 05 26 00.3–2.2	12.93N	88.89W	56–22	4.3,3.9b		
CASC	IX	02 05 26 00.0–2.1	13.02N	88.98W	31–6	4.1L,3.9b		

ISC Event type fe.

IDC Error ellipse: s-maj=76.6km s-min=21.1km az=49.0.

ISCJB Event type fe. Error ellipse: s-maj=13.4km s-min=3.6km az=32.0.

NEIC Event type fe. Error ellipse: s-maj=34.9km s-min=12.4km az=206.0. Felt [II] at San Salvador. Also felt at La Libertad.

CASC Error ellipse: s-maj=6.3km s-min=4.5km az=-1.0.

(95) Windward Islands

ISC	**IX**	**02 06 18 58.1–.67**	**13.87N–.02**	**60.39W–.03**	**19–3**	**4.6b,3.9s**	**416**	**1-163**
IDC	IX	02 06 18 54.7–.45	13.86N	60.36W	0	4.5,4.4		**¶11230917**
BJI	IX	02 06 18 56.0	13.90N	60.40W	16	5.5b,5.0s		
TRN	IX	02 06 18 56.4	13.87N	60.44W	14	4.7,4.5		
NEIC	IX	02 06 18 57.0	13.86N	60.44W	16	4.7b,4.7		
ISCJB	IX	02 06 18 58.5–.36	13.88N–.02	60.41W–.03	36–2	4.6b,3.9s		
FUNV	IX	02 06 19 01.9	13.77N	60.47W	25	4.2W,3.9s		
RSPR	IX	02 06 19 08.7	13.87N	61.32W	35–34	4.6,3.9s		

ISC Event type fe.

IDC Error ellipse: s-maj=14.2km s-min=10.7km az=76.0.

TRN Event type fe. Felt Widely in Saint Lucia,IV. St. Vinc ent III. Barbados III.

NEIC Event type fe. Felt at Babonneau, Blanchard, Castries, Choiseul, Desruisseaux and Monier. After TRN.

ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.6km az=175.4.

RSPR Event type ke.

(224) Hokkaido region

ISC	**IX**	**02 08 17 00.8–.22**	**42.78N–.03**	**142.70E–.03**	**92–1**	**4.4b**	**216**	**0-86**
BJI	IX	02 08 16 59.3	42.85N	142.79E	101	4.9b,4.8b		**¶13393197**
ISCJB	IX	02 08 16 59.7–.21	42.78N–.03	142.69E–.03	98–1	4.4b,4.8b		
MOS	IX	02 08 16 59.4–.98	42.77N	142.69E	102	4.5b,4.8b		
NEIC	IX	02 08 17 00.9–.60	42.78N	142.68E	94–5	4.3b,4.8b		
NIED	IX	02 08 17 00	42.80N	142.80E	86	4.4W,4.8b		
IDC	IX	02 08 17 00.8–1.3	42.79N	142.69E	96–9	4.1,4.0		
JMA	IX	02 08 17 01.4–.10	42.81N	142.79E	84–2	4.2,4.0		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=157.6.

MOS Error ellipse: s-maj=8.9km s-min=6.5km az=84.8.

NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=4.9km az=149.0. Recorded [2 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s353.00000°,δ80.00000°,λ-46.00000°. NP2:ϕ_s92.00000°,δ45.00000°,λ-166.00000°. $M_0$3.99000×10^{15}

IDC Error ellipse: s-maj=16.2km s-min=11.5km az=144.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s79.00000°,δ49.00000°,λ173.00000°. NP2: ϕ_s174.00000°,δ85.00000°,λ42.00000°. Principal axes: T Plg32.0000°,Azm45.0000° ; N Plg48.0000°,Azm179.0000°; P Plg24.0000°,Azm299.0000°

(706) Northern Sumatera

ISC	**IX**	**02 09 00 02.5–.21**	**0.42N–.03**	**98.02E–.03**	**31**	**5.0b,4.6s**	**234**	**2-159**
BJI	IX	02 08 59 56.8	0.02N	97.82E	35	5.0s,5.0b		**¶11230920**
IDC	IX	02 08 59 57.7–.45	0.46N	98.12E	0	4.6,4.6b		
GCMT	IX	02 09 00 00.6–.30	0.38N	98.06E	25–1	5.1W,4.6b		
ISCJB	IX	02 09 00 00.2–.22	0.42N–.03	98.02E–.03	29	5.0b,4.6s		
MOS	IX	02 09 00 00.8–1.2	0.50N	98.16E	33	5.3b,4.8s		
DJA	IX	02 09 00 02	0.37N	97.96E	30	5.3b,4.8s		
NEIC	IX	02 09 00 03.2–.28	0.49N	98.09E	35	5.1b,4.8s		

ISC Event type fe.

IDC Error ellipse: s-maj=16.5km s-min=12.0km az=75.0.

GCMT Event type se. Data Used: IC IU II CN G. Moment Tensor Solution. s25,c31; s70,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.07±.19 $M_{\theta\theta}$-4.45±.15; $M_{\phi\phi}$4.51±.19; $M_{r\theta}$1.05±.31; $M_{\theta\phi}$2.88±.14; $M_{\phi r}$0.29±.38; Best double couple: NP1:ϕ_s332.00000°,δ79.00000°,λ-177.00000°. NP2:ϕ_s241.00000°,δ87.00000°,λ-11.00000°. Principal axes: T 5.4200,Plg6.0000° ,Azm287.0000°; N 0.0300,Plg78.0000°,Azm48.0000°; P -5.4600,Plg10.0000°,Azm196.0000° $M_0$5.40000×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.3km az=138.0.

MOS Error ellipse: s-maj=13.1km s-min=6.2km az=96.8.

NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=7.1km az=81.0. Felt [II] at Gunungsitoli.

(159) North Island

WEL	**IX**	**02 09 10 56.2–.13**	**37.81S**	**176.79E**	**5**	**3.6L**		**¶11391665**

WEL Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.

(227) Eastern Honshu

ISC	**IX**	**02 09 35 20.9–.70**	**39.15N–.03**	**140.85E–.04**	**4–5**	**4.2b,3.7s**	**33**	**0-77**
NIED	IX	02 09 35 00	39.20N	140.90E	5	4.2W,3.7s		**¶11747576**
MOS	IX	02 09 35 14.3–.81	39.13N	140.81E	33	4.8b,3.7s		
NEIC	IX	02 09 35 15.7–.38	39.07N	140.83E	31	4.2b,3.7s		
IDC	IX	02 09 35 15.8–.72	39.12N	140.80E	30–4	3.8,3.7		
ISCJB	IX	02 09 35 20.1–.68	39.17N–.03	140.86E–.05	10–4	4.2b,3.7s		
JMA	IX	02 09 35 20.6	39.17N	140.85E	6–1	4.4,3.7s		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ82.00000°,λ168.00000°. NP2:ϕ_s124.00000°,δ78.00000°,λ8.00000°. $M_0$2.61000×10^{15}

MOS Error ellipse: s-maj=15.2km s-min=8.4km az=75.6.

NEIC Event type fe. Error ellipse: s-maj=10.4km s-min=5.9km az=129.0. Recorded [2 JMA] in Akita and Iwate; [1 JMA] in Miyagi.

IDC Error ellipse: s-maj=16.4km s-min=14.0km az=158.0.

ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=175.4.

JMA Event type fe.

(159) North Island

WEL	**IX**	**02 10 12 19.4–.11**	**37.80S**	**176.79E**	**5**	**3.5L**		**¶11391667**

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.

(221) Kuril Islands

ISC	**IX**	**02 10 55 54.8–.59**	**43.78N–.04**	**147.34E–.05**	**49–5**	**4.2b**	**100**	**1-152**
NIED	IX	02 10 55 00	43.60N	147.30E	62	4.3W		**¶11747578**
ISCJB	IX	02 10 55 53.8–.65	43.79N–.04	147.33E–.06	58–5	4.2b		
MOS	IX	02 10 55 53.3–1.3	43.79N	147.35E	54	4.5b		
NEIC	IX	02 10 55 55.6–.77	43.71N	147.28E	61–7	4.5b		
JMA	IX	02 10 55 55.1–.20	43.64N	147.25E	39	4.7		
BJI	IX	02 10 55 55.0	43.43N	147.49E	91	4.9b,4.7b		
SKHL	IX	02 10 55 55.6–1.6	43.90N	147.40E	67–9	5.1b,4.7b		
IDC	IX	02 10 55 59.5–1.0	44.01N	147.16E	85–6	4.0,4.0		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s59.00000°,δ70.00000°,λ141.00000°. NP2:ϕ_s164.00000°,δ54.00000°,λ25.00000°. $M_0$2.68000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.6km az=140.1.

MOS Event type fe. Error ellipse: s-maj=10.1km s-min=7.6km az=73.9. Felt (III-IV) at Malokurilskoe; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.

NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=6.3km az=150.0. Recorded [1 JMA] in eastern Hokkaido.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

IDC Error ellipse: s-maj=31.1km s-min=12.2km az=169.0.

(207) Eastern New Guinea region

ISC	**IX**	**02 11 28 12.9–.71**	**5.89S–.03**	**145.66E–.03**	**73–6**	**5.1b**	**223**	**4-151**
BJI	IX	02 11 28 07.0	6.23S	145.98E	68	5.0b,4.8s		**¶11226750**
MOS	IX	02 11 28 08.9–.94	5.75S	145.60E	52	5.1b,4.8s		
ISCJB	IX	02 11 28 10.5–.86	5.85S–.04	145.68E–.03	66–8	5.1b,4.8s		
IDC	IX	02 11 28 11.7–2.5	5.82S	145.54E	66–23	4.8,4.8		
NEIC	IX	02 11 28 12.1–.94	5.81S	145.63E	68–9	5.0b,4.8		
DJA	IX	02 11 28 13	5.99S	145.96E	98	5.4b,4.8		
GCMT	IX	02 11 28 16.9–.30	5.84S	145.52E	75–3	4.9W,4.8		

ISC Event type fe.

MOS Error ellipse: s-maj=12.3km s-min=7.1km az=107.2.

ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.1km az=42.9.

IDC Error ellipse: s-maj=14.2km s-min=8.6km az=98.0.

NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=5.3km az=62.0. Felt at Goroka.

GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s29,c39; s55,c78; Moment tensor: Scale 10^{16}Nm; M_{rr}2.27±.19 $M_{\theta\theta}$-2.27±.15; $M_{\phi\phi}$0.01±.17; $M_{r\theta}$-1.68±.10; $M_{\theta\phi}$-1.19±.13; $M_{\phi r}$0.42±.13; Best double couple: NP1:ϕ_s45.00000°,δ35.00000°,λ53.00000°. NP2:ϕ_s268.00000°,δ63.00000°,λ113.00000°. Principal axes: T 3.0300,Plg64.0000° ,Azm217.0000°; N 0.1300,Plg20.0000°,Azm77.0000°; P -3.1500,Plg15.0000°,Azm341.0000° $M_0$3.10000×10^{16}

(259) Mindanao

ISC	**IX**	**02 18 12 32.9–.58**	**9.65N–.04**	**125.40E–.05**	**13–5**	**3.5b**	**36**	**0-52**
IDC	IX	02 18 12 31.0–1.0	9.48N	125.01E	0	4.1L,3.8		**¶11909296**
ISCJB	IX	02 18 12 32.5–.55	9.66N–.04	125.46E–.05	22–5	3.5b,3.8		
MAN	IX	02 18 12 32	9.65N	125.37E	10	4.8b,3.8s		
NEIC	IX	02 18 12 33.7–.76	9.44N	124.90E	20	3.9b,3.8s		

ISC Event type fe.

IDC Error ellipse: s-maj=43.0km s-min=14.2km az=72.0.

ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=5.0km az=150.5.

MAN Event type fe. INTENSITY II - SURIGAO CITY.

NEIC Event type fe. Error ellipse: s-maj=28.5km s-min=10.9km az=61.0. Felt [II PIVS] at Surigao, Mindanao.

(344) Iran-Armenia-Azerbaijan border region

ISC	**IX**	**02 20 00 51.0–.35**	**38.67N–.01**	**45.81E–.01**	**2–2**	**4.8b,4.3s**	**1235**	**0-99**
BGS	IX	02 20 00 15.0–1.7	35.39N	47.34E	10–0	5.1b,4.3s		**¶13393243**
NSSP	IX	02 20 00 48.8	38.65N	45.95E	10	4.9s,4.3s		
BJI	IX	02 20 00 49.5	38.86N	45.05E	31	4.9b,4.9b		
ISCJB	IX	02 20 00 50.6–.32	38.66N–.01	45.83E–.01	11–2	4.8b,4.3s		
TEH	IX	02 20 00 50.6	38.68N	45.74E	11	4.8b,4.3s		
NEIC	IX	02 20 00 50.8–.78	38.72N	45.79E	3–5	5.2,4.9b		
IDC	IX	02 20 00 50.3–.51	38.72N	45.74E	0	4.6,4.6		
MOS	IX	02 20 00 51.6–1.3	38.69N	45.84E	22	5.0b,4.3s		
CSEM	IX	02 20 00 51.7–.07	38.68N	45.79E	10	5.0W,4.9b		
THR	IX	02 20 00 51.9–.60	38.99N	45.92E	18–9	4.9L,4.9b		

GCMT IX 02 20 00 54.5–.20 38.69N 45.79E 15–1 5.0W,4.9b
SZGRF IX 02 20 01 13.7 39.31N 43.27E 33 4.9b,3.9s
ISC Event type fe.
BGS Error ellipse: s-maj=664.9km s-min=690.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=28.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.0km az=190.0. Felt at Yerevan, Armenia.
IDC Error ellipse: s-maj=10.4km s-min=8.5km az=163.0.
MOS Error ellipse: s-maj=4.9km s-min=2.7km az=129.6.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=32.0.
THR Error ellipse: s-maj=9.6km s-min=3.9km az=-1.0.
GCMT Event type se. Data Used: IU IC CN II G. Moment Tensor Solution. s31,c43; s78,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.67±.13 $M_{\theta\theta}$-2.82±.13; $M_{\phi\phi}$3.49±.12; $M_{r\theta}$-0.22±.36; $M_{\theta\phi}$-3.11±.11; $M_{\phi r}$-0.69±.33; Best double couple: NP1:ϕ_s113.00000°,δ80.00000° ,λ-179.00000°. NP2:ϕ_s23.00000°,δ89.00000°,λ-10.00000°. Principal axes: T 4.8200,Plg6.0000°,Azm68.0000°; N -0.6600,Plg80.0000°,Azm194.0000° ; P -4.1600,Plg8.0000°,Azm337.0000° $M_0$4.50000×10^{16}
SZGRF Turkey.

(249) Luzon

MAN IX 02 20 40 27 18.62N 120.45E 7 4.6b,3.5s ¶13728799

MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE.

(396) Northern Algeria

ISC IX 02 20 58 35.8–.33 36.86N–.02 5.52E–.03 10 351 0-10
CRAAG IX 02 20 58 34.6 36.63N 5.49E 4.1L ¶11232435
ISCJB IX 02 20 58 34.3–.33 36.93N–.02 5.50E–.03 10 4.1L
CSEM IX 02 20 58 35.9–.21 36.78N 5.60E 10 3.2L
MDD IX 02 20 58 36.0–.33 36.71N 5.52E 0 4.3b
LDG IX 02 20 58 36.7–.14 36.68N 5.68E 10–0 3.5L
NEIC IX 02 20 58 36.7 36.74N 5.51E 0 3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=33.4.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.6km az=32.0.
MDD Event type fe. Error ellipse: s-maj=5.4km s-min=3.3km az=43.0. EMS: IV INTENSIDAD MAXIMA-CRAAG. PRIMO.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=25.0.
NEIC Event type se. After MDD.

(159) North Island

WEL IX 02 21 43 50.9–.11 37.81S 176.80E 5 3.8L ¶11391681

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.

(366) Turkey

ISC IX 03 02 22 48.8–.11 37.46N–.01 38.60E–.01 10 4.5b,4.2s 972 0-78
BJI IX 03 02 22 45.0 37.38N 38.15E 15 4.8s,4.8b ¶11230944
DDA IX 03 02 22 46.1 37.44N 38.60E 24–1 4.9L,4.8b
IDC IX 03 02 22 47.4–.53 37.51N 38.58E 0 4.2,4.2b
MOS IX 03 02 22 47.1–1.3 37.47N 38.56E 10 4.6b,4.2b
CSEM IX 03 02 22 47.6–.08 37.47N 38.61E 2 4.7b,4.2W
ISCJB IX 03 02 22 47.2–.10 37.461N–.01 38.58E–.01 10 4.5b,4.2s
NEIC IX 03 02 22 47.0 37.51N 38.50E 6 5.1L,4.6b
ISK IX 03 02 22 47.9 37.51N 38.50E 7 5.1L,4.6b
NSSC IX 03 02 22 48 37.45N 38.67E 13–2 5.1L,4.6b
NIC IX 03 02 22 48.4–.10 37.59N 38.57E 15 4.8b,4.5L
GCMT IX 03 02 22 52.0–.30 37.51N 38.44E 18–1 5.0W,4.5L
ISC Event type de.
IDC Error ellipse: s-maj=11.3km s-min=8.3km az=148.0.
MOS Error ellipse: s-maj=4.7km s-min=3.2km az=115.4.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=110.0.
ISCJB Event type de. Error ellipse: s-maj=1.6km s-min=1.3km az=42.9.
NEIC Event type de. Minor damage in the Adiyaman area. After ISK.
NSSC Event type se.
NIC Moment Tensor Solution. $M_0$1.20000×10^{14}
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s25,c26; s77,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35±.13 $M_{\theta\theta}$-3.27±.12; $M_{\phi\phi}$3.62±.12; $M_{r\theta}$0.84±.29; $M_{\theta\phi}$-0.59±.10; $M_{\phi r}$0.05±.24; Best double couple: NP1:ϕ_s219.00000°,δ79.00000°,λ-10.00000°. NP2:ϕ_s311.00000°,δ80.00000°,λ-169.00000°. Principal axes: T 3.6700,Plg0.0000° ,Azm85.0000°; N -0.1300,Plg75.0000°,Azm354.0000°; P -3.5400,Plg15.0000° ,Azm175.0000° $M_0$3.60000×10^{16}

(232) Western Honshu

ISC IX 03 06 40 55.4–.65 35.41N–.04 135.86E–.04 11–9 15 0-2
NIED IX 03 06 40 00 35.40N 135.90E 35 3.7W ¶11747590
ISCJB IX 03 06 40 55.0–.63 35.42N–.05 135.88E–.04 12–6 3.7W
JMA IX 03 06 40 55.5 35.42N 135.86E 14–1 3.4
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ70.00000°,λ126.00000°. NP2:ϕ_s286.00000°,δ40.00000°,λ31.00000°. $M_0$3.62000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=5.5km az=156.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s294.00000°,δ73.00000°,λ10.00000°. NP2:ϕ_s201.00000°,δ80.00000°,λ163.00000°. Principal axes: T Plg19.0000°,Azm156.0000°; N Plg70.0000°,Azm352.0000°; P Plg5.0000° ,Azm248.0000°

(244) Taiwan

ISC IX 03 08 20 20.8–.23 23.57N–.01 120.67E–.02 15–2 88 0-2
TAP IX 03 08 20 19.6 23.56N 120.67E 11–0 3.5L ¶12951871
NEIC IX 03 08 20 19.8–1.4 23.59N 120.66E 10 4.1L
ISCJB IX 03 08 20 20.7–.23 23.57N–.01 120.68E–.02 10–2 4.1L
ISC Event type fe.
TAP B.
NEIC Event type fe. Recorded [3 TAP] in Yun-lin and [2 TAP] in Chia-i.
ISCJB Event type fe.

(132) Santiago del Estero Province

ISC IX 03 11 25 14.6–.11 26.83S–.02 63.19W–.02 571 5.9b 1290 6-178
DJA IX 03 11 24 11 26.14S 64.20W 15 6.9b ¶12951880
SZGRF IX 03 11 24 58.5 28.07S 64.38W 576 6.9b
IGIL IX 03 11 25 13.0 26.57S 63.18W 547 5.3s
BJI IX 03 11 25 13.5 26.22S 63.79W 566 6.0b
ISCJB IX 03 11 25 13.6–.10 26.77S–.02 63.21W–.02 569 5.9b
IDC IX 03 11 25 15.0–.28 26.67S 63.29W 575–2 5.5,5.5
NEIC IX 03 11 25 14.4–.10 26.74S 63.23W 570 6.3W,6.3W
MOS IX 03 11 25 14.2–.78 26.71S 63.29W 576 6.1b,5.1s
LDG IX 03 11 25 14.8–.53 26.31S 63.34W 570–0 6.0b,4.9s
GCMT IX 03 11 25 17.6–.10 26.85S 63.30W 571–0 6.3W,4.9s
BGS IX 03 11 25 22.8–1.3 25.06S 61.88W 570–0 5.4b,4.9s
ISC Event type fe.
SZGRF Santiago del Estero Province, Argentina.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=169.1.
IDC Error ellipse: s-maj=7.5km s-min=5.2km az=61.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=27.0. Felt [III] at Catamarca, Cordoba, La Rioja, Mendoza, San Juan, San Miguel de Tucuman and Santiago del Estero. Also felt at Calama and Copiapo, Chile. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s150.00000°,δ70.00000°,λ-90.00000°. NP2: ϕ_s330.00000°,δ20.00000°,λ-90.00000°. Principal axes: T Plg25.0000°,Azm240.0000° ; N Plg0.0000°,Azm0.0000°; P Plg65.0000°,Azm60.0000° Moment Tensor Solution. s78 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.48 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$2.16 $M_{r\theta}$-1.84 $M_{\theta\phi}$-0.24 $M_{\phi r}$2.45 Best double couple: NP1:ϕ_s147.00000°,δ77.00000°,λ-110.00000°. NP2:ϕ_s25.00000° ,δ23.00000°,λ-35.00000°. Principal axes: T 3.6700,Plg29.0000°,Azm253.0000° ; N -0.0900,Plg18.0000°,Azm152.0000°; P -3.5700,Plg54.0000°,Azm33.0000° $M_0$3.60000×10^{18}
MOS Error ellipse: s-maj=8.0km s-min=5.1km az=77.8.
LDG Event type ke. Error ellipse: s-maj=35.7km s-min=21.6km az=64.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s110,c241; s85,c122; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.31±.02 $M_{\theta\theta}$-0.54±.03; $M_{\phi\phi}$1.85±.03; $M_{r\theta}$-1.60±.03; $M_{\theta\phi}$-0.09±.02; $M_{\phi r}$2.39±.02; Best double couple: NP1:ϕ_s26.00000°,δ21.00000°,λ-36.00000°. NP2:ϕ_s150.00000°,δ78.00000°,λ-108.00000°. Principal axes: T 3.3300,Plg30.0000° ,Azm255.0000°; N -0.0300,Plg17.0000°,Azm154.0000°; P -3.3000,Plg54.0000° ,Azm39.0000° $M_0$3.30000×10^{18}
BGS Error ellipse: s-maj=981.3km s-min=435.2km az=-1.0.

(116) Central Peru

ISC IX 03 13 02 31.5–1.2 10.8S–.10 75.4W–.10 83–16 3.7b 13 2-146
IDC IX 03 13 02 22.3–.87 10.51S 75.21W 0 4.1L,4.0 ¶11909372
NEIC IX 03 13 02 24.6–.61 10.44S 75.23W 15 3.9L,4.0
ISCJB IX 03 13 02 29.6–1.4 10.8S–.10 75.3W–.10 81–18 3.7b,4.0
ISC Event type fe.
NEIC Event type fe. Felt [II] at Oxapampa.
ISCJB Event type fe.

(235) Kyushu

ISC IX 03 14 32 07.8–.91 33.38N–.03 130.9E–.10 8–5 3.7b 29 0-84
NIED IX 03 14 32 00 33.40N 130.90E 8 3.9W ¶11230956
NEIC IX 03 14 32 06.8–3.3 33.44N 131.03E 5–18 4.1b
IDC IX 03 14 32 06.8–.88 33.23N 130.59E 0 3.7,3.6
ISCJB IX 03 14 32 07.5–.84 33.38N–.03 130.9E–.10 17–5 3.7b,3.6
JMA IX 03 14 32 07.6 33.38N 130.90E 13 4.0,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s73.00000°,δ58.00000°,λ-129.00000°. NP2:ϕ_s310.00000°,δ49.00000°,λ-45.00000°. $M_0$8.66000×10^{14}
NEIC Event type fe. Error ellipse: s-maj=30.7km s-min=11.7km az=67.0. Felt at Fukuma and Hita. Recorded [3 JMA] in Fukuoka and Oita; [2 JMA] in Saga; [1 JMA] in Kumamoto, Miyazaki, Nagasaki and Yamaguchi. Felt info added from CIIM reports.
IDC Error ellipse: s-maj=31.3km s-min=15.0km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=14.9km s-min=5.1km az=173.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s317.00000°,δ46.00000°,λ-40.00000°. NP2:ϕ_s78.00000°,δ63.00000°,λ-128.00000°. Principal axes: T Plg10.0000°,Azm194.0000°; N Plg33.0000°,Azm97.0000°; P Plg55.0000° ,Azm298.0000°

(460) Wyoming

ISC IX 03 18 01 30.8–.39 43.82N–.03 105.21W–.05 0 48 1-61
ISCJB IX 03 18 01 28.9–.41 43.84N–.03 105.21W–.05 0 ¶11909387
IDC IX 03 18 01 29.7–2.2 43.79N 105.34W 0 4.4b,3.9
NEIC IX 03 18 01 30.8–.34 43.80N 105.22W 0 3.2L,3.9
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.4km s-min=4.3km az=179.1.
IDC Error ellipse: s-maj=55.9km s-min=13.0km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=4.5km s-min=4.4km az=65.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(162) South Island

ISC IX 03 21 13 22.3–.25 41.57S–.03 173.59E–.04 71–4 3.7b 102 0-152
IDC IX 03 21 13 20.2–2.4 41.46S 173.46E 53–20 3.9L,3.7 ¶11391710
ISCJB IX 03 21 13 21.1–.24 41.58S–.03 173.59E–.04 80–4 3.7b,3.7
WEL IX 03 21 13 22.7–.14 41.48S 173.52E 62–1 4.5L,3.7
NEIC IX 03 21 13 22.4 41.48S 173.52E 64 4.5L,3.9b
ISC Event type fe.
IDC Error ellipse: s-maj=30.2km s-min=16.6km az=125.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.1km az=38.7.
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=1.1km az=0.0. Felt from Wellington to West Coast, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Blenheim, Nelson and Picton. Felt in the northern part of the South Island and the southern part of the North Island. After WEL.

(706) Northern Sumatera

ISC IX 03 22 34 42.7–.56 1.26N–.03 97.13E–.04 49–5 4.9b,4.4s 179 2-147
IDC IX 03 22 34 35.9–.69 1.29N 97.12E 0 4.6L,4.5b ¶11230740
BJI IX 03 22 34 38.5 1.12N 97.36E 34 5.0b,4.9b
MOS IX 03 22 34 38.9–.95 1.33N 97.25E 33 5.1b,4.9b
DJA IX 03 22 34 38 1.29N 96.97E 5 4.9,4.9b
NEIC IX 03 22 34 39.8–1.7 1.31N 97.15E 26–12 4.8b,4.9b
ISCJB IX 03 22 34 41.2–.63 1.27N–.04 97.14E–.04 53–5 4.9b,4.4s
ISC Event type fe.
NEIC Event type fe. Felt [III] at Gunungsitoli.
ISCJB Event type fe.

(277) Jawa

ISC IX 04 01 49 46.9–.51 6.52S–.10 106.07E–.08 109–3 4.0b 33 0-150
NEIC IX 04 01 49 44.0–4.9 6.02S 106.32E 76–43 4.0b ¶11909422
ISCJB IX 04 01 49 46.0–.51 6.54S–.09 106.06E–.08 114–4 4.0b
DJA IX 04 01 49 49 6.69S 105.95E 41 4.2
IDC IX 04 01 49 51.4–3.5 5.91S 106.57E 142–31 3.9,3.8b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=45.2km s-min=10.9km az=50.0. Felt [III] at Pinang.
ISCJB Event type fe. Error ellipse: s-maj=19.5km s-min=6.0km az=38.8.
IDC Error ellipse: s-maj=61.7km s-min=10.5km az=46.0.

(218) Near east coast of Kamchatka Peninsula

ISC IX 04 02 04 11.1–.65 50.95N–.06 157.55E–.08 66–4 4.0b 92 1-91
KRSC IX 04 02 04 08.9–.50 50.86N 157.91E 49–39 4.6L ¶11909427
ISCJB IX 04 02 04 09.7–.70 50.93N–.06 157.60E–.09 70–4 4.0b
MOS IX 04 02 04 09.8–.82 51.03N 157.47E 44 4.3b
IDC IX 04 02 04 10.6–.78 51.18N 157.34E 54–6 3.8,3.7
NEIC IX 04 02 04 12.8–1.3 51.13N 157.39E 76–9 4.3b,3.7
ISC Event type fe.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=4.5km az=136.8.
MOS Event type fe. Error ellipse: s-maj=17.1km s-min=6.5km az=76.5. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=21.3km s-min=14.0km az=155.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=9.9km az=163.0.

(78) Costa Rica

ISC IX 04 06 21 50.1–.54 10.61N–.03 85.84W–.03 29–4 4.2b,3.7s 95 0-151
IDC IX 04 06 21 43.9–.76 10.84N 85.72W 0 4.2,4.1 ¶11265441
CASC IX 04 06 21 50.0–1.9 10.65N 85.86W 17–6 4.3b,3.6
NEIC IX 04 06 21 52.1–.59 10.60N 85.79W 64 4.3b,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=36.4km s-min=15.1km az=58.0.
CASC Error ellipse: s-maj=3.1km s-min=3.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=15.1km s-min=7.3km az=45.0. Felt [II] at Challa. Also felt at Santa Cruz.

(228) Near east coast of eastern Honshu

ISC IX 04 12 43 43.4–1.5 36.98N–.03 141.74E–.04 18–9 4.5b 97 1-95
NIED IX 04 12 43 00 37.00N 141.80E 20 4.2W ¶13393412
IDC IX 04 12 43 40.5–.58 36.94N 141.65E 0 4.3,4.3
ISCJB IX 04 12 43 42.5–.91 36.95N–.03 141.80E–.05 27–5 4.5b,4.3
MOS IX 04 12 43 43.3–1.1 36.95N 141.68E 33 4.8b,4.3
JMA IX 04 12 43 44.7–.20 36.98N 141.65E 50–3 4.4,4.3
NEIC IX 04 12 43 44.7 36.98N 141.65E 50 4.6b,4.2W
BJI IX 04 12 43 44.3 36.81N 141.39E 29 4.8b,4.8b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ73.00000°,λ91.00000°. NP2:ϕ_s200.00000°,δ17.00000°,λ88.00000°. $M_0$2.25000×10^{15}
IDC Error ellipse: s-maj=15.9km s-min=12.1km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.8km az=12.8.
MOS Error ellipse: s-maj=10.9km s-min=8.6km az=113.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. After JMA. Moment Tensor Solution. $M_0$2.30000×10^{15}

(305) Western Xizang-India border region

ISC IX 04 12 53 11.3–.69 30.24N–.02 80.38E–.02 9–4 5.0b,4.4s 615 1-154
IDC IX 04 12 53 08.8–.42 30.24N 80.34E 0 4.9,4.9 ¶13393413
BJI IX 04 12 53 08.8 30.38N 80.40E 10 4.9b,4.8s
LDG IX 04 12 53 08.5–.13 30.37N 80.44E 10–0 5.2b,4.0s
ISCJB IX 04 12 53 09.8–.74 30.25N–.02 80.38E–.02 11–4 5.0b,4.4s
NEIC IX 04 12 53 11.3–.16 30.28N 80.35E 10 5.1b,4.2s
NDI IX 04 12 53 11.2–3.8 30.22N 80.37E 10–0 5.2L,5.1b
DMN IX 04 12 53 12.5–.96 30.34N 80.21E 10–0 5.8L,5.1b
MOS IX 04 12 53 12.7–1.1 30.17N 80.37E 33 5.2b,4.3s
GCMT IX 04 12 53 14.5–.30 30.08N 80.24E 23–1 5.0W,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=13.1km s-min=10.9km az=25.0.
LDG Event type ke. Error ellipse: s-maj=13.6km s-min=3.7km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.3km az=23.8.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=24.0. Felt at Bageshwar, Chamoli, Champawat, Dehra Dun, Pithoragarh and Uttarkashi, India.
NDI Error ellipse: s-maj=8.1km s-min=9.7km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=28.4km s-min=18.9km az=9.0.
MOS Error ellipse: s-maj=7.2km s-min=3.5km az=130.4.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s18,c25; s57,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.23±.21 $M_{\theta\theta}$-2.28±.14; $M_{\phi\phi}$3.52±.17; $M_{r\theta}$1.62±.27; $M_{\theta\phi}$1.52±.11; $M_{\phi r}$0.56±.22; Best double couple: NP1:ϕ_s333.00000°,δ59.00000°,λ-163.00000°.

NP2:ϕ_s234.00000°,δ75.00000°,λ-32.00000°. Principal axes: T 4.0700,Plg11.0000° ,Azm286.0000°; N -0.4800,Plg55.0000°,Azm32.0000°; P -3.5800,Plg33.0000° ,Azm189.0000° $M_0$3.80000×10^{16}

(259) Mindanao

MAN	**IX**	**04 23 07 21**	**7.34N**	**126.08E**	**32**	**4.2b,3.0L**		**¶13729517**

MAN Event type fe. INTENSITY II - POBLACION COMPOSTELA COMPOSTELA VALLEY.

(135) Near coast of central Chile

ISC	**IX**	**05 01 11 21.6–1.5**	**32.54S–.05**	**71.6W–.10**	**21–9**		**31**	**1-4**
ISCJB	IX	05 01 11 20.3–1.8	32.51S–.04	71.7W–.10	17–11			**¶12951918**
NEIC	IX	05 01 11 22.0	32.60S	71.61W	23	4.0L		
GUC	IX	05 01 11 22.0–.67	32.60S	71.61W	23–24	4.2,4.0L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=16.1km s-min=6.9km az=169.5.
NEIC Event type fe. Felt [II] at Papudo, Puchuncavi, Quilpue, Quintero and Vina del Mar. After GUC.
GUC Error ellipse: s-maj=3.5km s-min=5.3km az=-1.0.

(162) South Island

ISC	**IX**	**05 02 35 37.2–.80**	**42.40S–.03**	**172.74E–.05**	**11–6**	**4.0b**	**72**	**1-158**
ISCJB	IX	05 02 35 37.1–.57	42.41S–.03	172.78E–.04	17–6	4.0b		**¶11391738**
WEL	IX	05 02 35 37.6–.09	42.38S	172.72E	12	5.0L		
IDC	IX	05 02 35 37.3–1.1	42.36S	172.41E	0	4.2,4.0b		
NEIC	IX	05 02 35 37.6	42.38S	172.72E	12	3.9b,4.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.4km az=44.8.
WEL Event type fe. Error ellipse: s-maj=1.2km s-min=0.8km az=90.0. Felt from Manawatu to Canterbury, maximum reported intensity MM 5.
IDC Error ellipse: s-maj=31.3km s-min=21.5km az=95.0.
NEIC Event type fe. Felt [IV] at Christchurch, Hanmer Springs and Nelson; [III] at Wellington. After WEL.

(137) San Juan Province

ISC	**IX**	**05 03 16 50.1–.76**	**31.12S–.04**	**68.30W–.06**	**101–8**		**25**	**0-152**
ISCJB	IX	05 03 16 48.9–.77	31.12S–.04	68.30W–.07	107–8			**¶11909509**
GUC	IX	05 03 16 48.0–.66	31.08S	68.46W	148–38	4.0L,3.9		
IDC	IX	05 03 16 49.7–1.5	31.53S	68.52W	107–9	4.4b,3.7		
NEIC	IX	05 03 16 49.1–.68	31.48S	68.72W	106–6	3.5,3.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=7.3km az=178.4.
GUC Error ellipse: s-maj=4.8km s-min=22.5km az=-1.0.
IDC Error ellipse: s-maj=54.3km s-min=29.3km az=118.0.
NEIC Event type fe. Error ellipse: s-maj=21.3km s-min=10.4km az=74.0. Felt [III] at San Juan.

(717) Afghanistan-Tajikistan border region

ISC	**IX**	**05 04 57 52.7–.08**	**36.52N–.01**	**71.29E–.01**	**231**	**5.3b**	**1442**	**3-150**
BGS	IX	05 04 57 30.4–1.5	35.73N	72.06E	170–0	5.5b		**¶11232747**
SZGRF	IX	05 04 57 44.8	35.91N	72.27E	228	5.9b		
MOS	IX	05 04 57 51.0–.94	36.58N	71.24E	222	5.5b		
IGIL	IX	05 04 57 51.7	36.56N	71.22E	219	5.3b		
BJI	IX	05 04 57 51.4	36.67N	71.26E	226	5.3b,5.0b		
ISCJB	IX	05 04 57 51.0–.08	36.49N–.01	71.24E–.01	229	5.3b,5.0b		
IDC	IX	05 04 57 52.3–.34	36.48N	71.30E	236–2	5.0b,5.0		
NEIC	IX	05 04 57 52.6–.12	36.54N	71.29E	230	5.3b,5.3W		
GCMT	IX	05 04 57 53.2–.10	36.52N	71.12E	225–1	5.4W,5.3W		
DJA	IX	05 04 57 54	36.25N	71.22E	230	5.3b,5.3W		
NNC	IX	05 04 57 58.4–3.0	37.13N	71.26E	233–23	6.1,4.8b		

ISC Event type fe.
BGS Error ellipse: s-maj=300.1km s-min=359.8km az=-1.0.
SZGRF Pakistan.
MOS Error ellipse: s-maj=6.5km s-min=4.3km az=121.5.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.4km az=19.0.
IDC Error ellipse: s-maj=6.9km s-min=5.4km az=171.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=184.0. Felt at Jalalabad and Kabul. Also felt at Khorugh, Tajikistan and at Abbotabad, Chitral, Islamabad, Lahore, Malakand, Mingora and Muzzafarabad, Pakistan. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s26.00000°,δ74.00000°,λ102.00000°. NP2:ϕ_s168.00000° ,δ20.00000°,λ53.00000°. Principal axes: T 1.2000,Plg58.0000°,Azm313.0000° ; N -0.3300,Plg11.0000°,Azm202.0000°; P -0.8700,Plg28.0000°,Azm106.0000° $M_0$1.10000×10^{17}
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s70,c100; s95,c173; Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.02 $M_{\theta\theta}$-0.40±.03; $M_{\phi\phi}$-0.84±.03; $M_{r\theta}$0.81±.02; $M_{\theta\phi}$-0.55±.02; $M_{\phi r}$0.67±.03; Best double couple: NP1:ϕ_s205.00000°,δ26.00000°,λ72.00000°. NP2:ϕ_s44.00000°,δ65.00000°,λ98.00000°. Principal axes: T 1.6500,Plg68.0000° ,Azm331.0000°; N -0.0700,Plg8.0000°,Azm221.0000°; P -1.5800,Plg20.0000° ,Azm128.0000° $M_0$1.60000×10^{17}
NNC Error ellipse: s-maj=26.2km s-min=18.1km az=18.0.

(122) Near coast of northern Chile

ISC	**IX**	**05 05 12 13.2–.58**	**26.70S–.03**	**70.57W–.07**	**41–5**	**4.7b,4.0s**	**484**	**2-178**
ISCJB	IX	05 05 12 11.0–.69	26.68S–.03	70.65W–.07	36–6	4.7b,4.0s		**¶11232750**
NEIC	IX	05 05 12 12.1	26.70S	70.67W	47	4.7b,4.0s		
GUC	IX	05 05 12 12.1–1.2	26.70S	70.67W	47–13	4.9L,4.0s		
BJI	IX	05 05 12 13.1	26.70S	70.70W	47	4.9s,4.9		
IDC	IX	05 05 12 14.4–.46	26.74S	70.73W	56–3	4.6,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=4.4km az=171.9.
NEIC Event type fe. Felt at Copiapo. After GUC.
GUC Error ellipse: s-maj=4.9km s-min=78.7km az=-1.0.
IDC Error ellipse: s-maj=18.7km s-min=10.7km az=69.0.

(159) North Island

ISC	**IX**	**05 09 34 31.2–.55**	**37.80S–.03**	**176.79E–.04**	**13–3**	**3.9b,3.4s**	**45**	**0-155**
IDC	IX	05 09 34 26.9–7.9	36.23S	177.64E	0	4.2,4.0		**¶11391747**
ISCJB	IX	05 09 34 30.9–.55	37.79S–.03	176.77E–.04	14–3	3.9b,3.4s		
NEIC	IX	05 09 34 31.3	37.80S	176.79E	5	4.2L,3.4s		
WEL	IX	05 09 34 31.3–.09	37.80S	176.79E	5	4.2L,3.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=283.4km s-min=44.5km az=37.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.6km az=32.7.
NEIC Event type fe. Felt [IV] at Edgecumbe, Matata, Ohope and Whakatane. After WEL.
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=0.0. Felt from Bay of Plenty to Rotorua, maximum reported intensity MM 5.

(238) Ryukyu Islands

ISC	**IX**	**05 12 20 04.5–.69**	**28.35N–.04**	**130.01E–.07**	**25–3**	**3.6b**	**32**	**0-78**
NIED	IX	05 12 20 00	28.40N	130.00E	11	3.9W		**¶11747623**
IDC	IX	05 12 20 02.1–.94	28.06N	128.33E	0	3.8,3.7		
ISCJB	IX	05 12 20 03.9–.59	28.34N–.04	130.04E–.07	33	3.6b,3.7		
JMA	IX	05 12 20 03.5–.10	28.36N	130.05E	28–1	3.7,3.7		
NEIC	IX	05 12 20 03.6	28.36N	130.05E	28	3.7,3.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ83.00000°,λ94.00000°. NP2:ϕ_s215.00000°,δ8.00000°,λ58.00000°. M_o8.65000×10^{14}
IDC Error ellipse: s-maj=54.7km s-min=19.2km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=3.5km az=32.6.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type se. After JMA.

(115) Near coast of Peru

ISC	**IX**	**05 12 30 02.2–.35**	**14.20S–.07**	**75.7W–.10**	**46**	**4.4b,3.8s**	**56**	**2-149**
ISCJB	IX	05 12 30 00.1–.35	14.22S–.07	75.8W–.10	44	4.4b,3.8s		**¶11909526**
NEIC	IX	05 12 30 01.9–.28	14.22S	75.76W	44	4.6b,3.8s		
IDC	IX	05 12 30 02.0–.63	14.21S	75.69W	44–5	4.2,4.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=6.6km az=148.6.
NEIC Event type fe. Error ellipse: s-maj=11.9km s-min=5.4km az=55.0. Felt [III] at Ica and Pisco; [II] at Chincha Alta and Palpa.
IDC Error ellipse: s-maj=28.6km s-min=13.4km az=58.0.

(211) Southeast of Honshu

ISC	**IX**	**05 15 12 03.7–.13**	**32.67N–.02**	**137.05E–.01**	**411–1**	**5.2b**	**1598**	**1-162**
SZGRF	IX	05 15 11 54.9	31.92N	138.93E	400	5.8b		**¶13393502**
NIED	IX	05 15 12 00	32.70N	137.30E	420	5.3W		
BJI	IX	05 15 12 01.6	32.65N	136.98E	398	5.6b,5.1b		
MOS	IX	05 15 12 02.1–.90	32.67N	137.11E	409	5.3b,4.3s		
JMA	IX	05 15 12 02.6–.30	32.68N	137.30E	419–3	5.6,4.3s		
ISCJB	IX	05 15 12 02.8–.13	32.63N–.02	137.02E–.01	413–1	5.2b,4.3s		
TEH	IX	05 15 12 02.0	32.63N	137.07E	399	5.2b,4.3s		
IDC	IX	05 15 12 03.0–.41	32.67N	137.16E	409–3	5.0,5.0		
NEIC	IX	05 15 12 03.2–.10	32.63N	137.05E	410	5.3W,5.3W		
GCMT	IX	05 15 12 05.3–.30	32.68N	137.09E	412–1	5.3W,5.3W		
BGS	IX	05 15 12 08.4–1.7	33.12N	134.23E	400–999	5.0b,5.3W		
DJA	IX	05 15 12 24	31.95N	136.75E	650	5.4W,5.3W		

ISC Event type fe.
SZGRF Southeast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ66.00000°,λ-49.00000°. NP2:ϕ_s82.00000°,δ47.00000°,λ-146.00000°. M_o9.56000×10^{16}
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=108.1.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s94.00000°,δ46.00000°,λ-150.00000°. NP2: ϕ_s342.00000°,δ69.00000°,λ-48.00000°. Principal axes: T Plg14.0000°,Azm43.0000° ; N Plg39.0000°,Azm144.0000°; P Plg48.0000°,Azm297.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=150.7.
IDC Error ellipse: s-maj=7.6km s-min=5.8km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=152.0. Felt at Tokyo, Honshu. Recorded [2 JMA] in Fukushima, Gumma, Ibaraki, Miyagi, Saitama and Tochigi; [1 JMA] in Chiba, Iwate, Kanagawa, Nagano and Tokyo. Moment Tensor Solution. s17 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s74.00000°,δ48.00000°,λ-152.00000°. NP2:ϕ_s324.00000°,δ70.00000°,λ-46.00000°. Principal axes: T 0.9700,Plg13.0000°,Azm23.0000°; N 0.1700,Plg40.0000°,Azm125.0000° ; P -1.1300,Plg46.0000°,Azm279.0000° $M_0$1.10000×10^{17} Moment Tensor Solution. $M_0$9.60000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s70,c112; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s78.00000°,δ48.00000°,λ-146.00000°. NP2:ϕ_s324.00000° ,δ66.00000°,λ-48.00000°. Principal axes: T 1.1500,Plg11.0000°,Azm25.0000° ; N 0.0700,Plg38.0000°,Azm124.0000°; P -1.2200,Plg50.0000°,Azm282.0000° $M_0$1.20000×10^{17}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(364) Greece

ISC	**IX**	**05 21 32 12.1–.27**	**40.62N–.01**	**23.03E–.02**	**3–2**	**3.8b**	**385**	**0-68**
SOF	IX	05 21 32 10.9	40.60N	23.05E	10	3.5		**¶13393528**
IDC	IX	05 21 32 10.1–1.1	40.53N	22.90E	0	4.0,3.9		
PDG	IX	05 21 32 11.9–.51	40.63N	23.06E	11–0	3.4L,3.9		
ATH	IX	05 21 32 11.9	40.63N	23.03E	19–0	3.8L,3.9		
SKO	IX	05 21 32 11.6	40.59N	23.06E	3	3.5L,3.0		
BEO	IX	05 21 32 11.8–.83	40.61N	23.00E	5–3	3.6L,3.0		
CSEM	IX	05 21 32 11.8–.08	40.63N	23.06E	2	3.5L,3.0		
NEIC	IX	05 21 32 11.9	40.63N	23.03E	19	3.8,3.5L		
ISCJB	IX	05 21 32 11.4–.25	40.64N–.01	23.04E–.02	6–2	3.8b,3.5L		
THE	IX	05 21 32 12.0	40.63N	23.02E	6–0	3.5L,3.5L		

ISC Event type fe.
IDC Error ellipse: s-maj=29.9km s-min=22.1km az=163.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
ATH Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=69.0.
NEIC Event type fe. Felt at Thessaloniki. After ATH.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=156.4.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=29.0.

(45) California-Baja California border region

NEIC	**IX**	**05 21 54 32.4**	**32.37N**	**115.25W**	**6**	**4.8L,4.6L**		
BJI	IX	05 21 54 31.4	32.40N	115.30W	6	5.0b,4.9b		**¶11909559**
ECX	IX	05 21 54 32.4–.23	32.36N	115.26W	6–0	4.9L,4.8		
IDC	IX	05 21 54 35.0–1.0	32.38N	115.09W	0	4.4L,4.3		

NEIC Event type fe. Felt [III] at Brawley, Calexico, El Centro and Winterhaven; [II] at San Diego, California. Also felt at Heber, Holtville, Imperial and Lemon Grove. Felt [III] at Yuma, Arizona. Also felt at Somerton and Tonopah. After ECX.
ECX Error ellipse: s-maj=3.9km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=13.3km az=39.0.

(159) North Island

ISC	**IX**	**06 02 58 49.6–.29**	**41.09S–.03**	**175.17E–.04**	**33–3**	**4.1b**	**62**	**0-152**
IDC	IX	06 02 58 44.2–1.2	41.00S	175.11E	0	3.7b,3.7		**¶11391762**
ISCJB	IX	06 02 58 49.4–.36	41.09S–.04	175.16E–.05	43–6	4.1b,3.7		
WEL	IX	06 02 58 49.9–.04	41.03S	175.11E	31–0	4.1L,3.7		
NEIC	IX	06 02 58 49.9	41.03S	175.11E	31	4.1L,3.7		

ISC Event type fe.
IDC Error ellipse: s-maj=37.2km s-min=17.9km az=130.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.1km az=137.5.
WEL Event type fe. Error ellipse: s-maj=0.6km s-min=0.5km az=90.0. Felt from Wellington to Wairarapa, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] in the Wellington area. After WEL.

(39) Central California

ISC	**IX**	**06 04 00 15.1–.50**	**37.78N–.03**	**121.98W–.03**	**4–4**	**3.3s**	**90**	**0-101**
BJI	IX	06 04 00 12.2	37.90N	122.00W	15	5.0b,5.0b		**¶11277437**
ISCJB	IX	06 04 00 14.1–.56	37.77N–.03	122.02W–.03	8–4	3.3s,5.0b		
NEIC	IX	06 04 00 15.3	37.87N	122.00W	16	4.1W,5.0b		
IDC	IX	06 04 00 16.1–2.5	38.02N	121.88W	0	3.9,3.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.6km az=36.1.
NEIC Event type fe. Felt [V] at Alamo; [IV] at Berkeley, Castro Valley, Concord, Danville, Diablo, Dublin, Hayward, Lafayette, Moraga, Oakland, Orinda, Pleasant Hill, San Francisco, San Leandro, San Ramon and Walnut Creek; [III] at Alameda, Albany, Antioch, Aptos, Belmont, Belvedere Tiburon, Benicia, Bolinas, Brentwood, Brisbane, Burlingame, Bryon, Campbell, Clayton, Corte Madera, Crockett, Daly City, El Cerrito, El Sobrante, Emeryville, Fairfax, Fairfield, Felton, Fremont, Greenbrae, Half Moon Bay, Hercules, La Honda, Livermore, Lodi, Manteca, Martinez, Mill Valley, Millbrae, Moss Beach, Novato, Oakley, Pacifica, Palo Alto, Pinole, Pittsburg, Placerville, Pleasanton, Redwood City, Richmond, San Anselmo, San Bruno, San Carlos, San Jose, San Lorenzo, San Mateo, San Pablo, Santa Clara, Sausalito, Sonoma, Stockton, Sunol, Tracy and Union City. Felt as far north as Santa Rosa and Sacramento, as far east as Modesto and as far south as Watsonville. After NCEDC. Moment Tensor Solution. $M_0$1.50000×10^{15}
IDC Error ellipse: s-maj=36.5km s-min=12.8km az=38.0.

(718) Hindu Kush region

ISC	**IX**	**06 05 47 40.0–.07**	**36.45N–.01**	**70.92E–.01**	**192**	**5.5b**	**1852**	**2-151**
DJA	IX	06 05 47 21	36.66N	71.44E	10	6.7W		**¶13393558**
NNC	IX	06 05 47 34.3–8.6	36.62N	69.91E	108–111	6.9,6.2b		
TEH	IX	06 05 47 38.0	36.56N	71.01E	174	6.9,6.2b		
ISCJB	IX	06 05 47 38.4–.07	36.45N–.01	70.89E–.01	190	5.7b,6.2b		
BJI	IX	06 05 47 38.6	36.65N	70.85E	192	5.8b,5.6b		
NEIC	IX	06 05 47 39.9–.11	36.49N	70.93E	192	6.3,5.8W		
SZGRF	IX	06 05 47 39.2	36.48N	71.10E	191	5.9b,5.8W		
IDC	IX	06 05 47 39.8–.36	36.49N	71.00E	196–3	5.4,5.4		
MOS	IX	06 05 47 39.0–.97	36.57N	70.96E	196	5.6b,4.9s		
BGS	IX	06 05 47 41.0–1.7	36.57N	70.57E	190–0	5.5b,4.9s		
GCMT	IX	06 05 47 41.1–.10	36.49N	70.78E	183–0	5.8W,4.9s		

ISC Event type se.
NNC Error ellipse: s-maj=59.5km s-min=46.3km az=19.0.
ISCJB Event type se. Error ellipse: s-maj=1.7km s-min=1.2km az=21.5.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=182.0. Felt [IV] at Jalalabad and [III] at Bagrami, Charikar and Kabul. Also felt at Baghran, Mahmud-e Raqi, Nuristan and Sarawbi. Felt [IV] at Islamabad, Pakistan. Also felt at Abbottabad, Chitral, Lahore, Peshawar, Rawalpindi, Sialkot and Topi. Felt [III] at Tashkent, Uzbekistan. Also felt at Chandigarh, India; Doda, Punch and Rajouri, Kashmir; Dushanbe, Tajikistan. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000°,δ60.00000° ,λ90.00000°. NP2:ϕ_s55.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000° ,Azm145.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm325.0000° Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}3.52 $M_{\theta\theta}$-2.76 $M_{\phi\phi}$-0.76 $M_{r\theta}$-4.10 $M_{\theta\phi}$-0.08 $M_{\phi r}$-1.76 Best double couple: NP1:ϕ_s92.00000°,δ19.00000°,λ110.00000°. NP2:ϕ_s251.00000° ,δ73.00000°,λ83.00000°. Principal axes: T 5.9000,Plg61.0000°,Azm151.0000° ; N -0.9300,Plg6.0000°,Azm253.0000°; P -4.9700,Plg27.0000°,Azm346.0000° $M_0$5.50000×10^{17}
SZGRF Afghanistan-Tajikistan border region.
IDC Error ellipse: s-maj=7.6km s-min=5.5km az=177.0.
MOS Error ellipse: s-maj=5.1km s-min=2.7km az=131.5.
BGS Error ellipse: s-maj=306.4km s-min=378.5km az=-1.0.
GCMT Event type se. Data Used: II IU IC CN. Surface waves: sta=104, comp=245, per= 50. Moment Tensor Solution. s86,c174; s58,c66; Moment tensor: Scale 10^{17}Nm; M_{rr}4.25±.07 $M_{\theta\theta}$-3.84±.08; $M_{\phi\phi}$-0.41±.08; $M_{r\theta}$-5.30±.06; $M_{\theta\phi}$-0.76±.08; $M_{\phi r}$-2.14±.06; Best double couple:

NP1:ϕ_s85.00000°,δ18.00000°,λ104.00000°. NP2:ϕ_s250.00000°,δ72.00000°,λ85.00000°. Principal axes: T 7.2100,Plg63.0000°,Azm153.0000°; N -0.3300,Plg4.0000°,Azm251.0000° ; P -6.8800,Plg27.0000°,Azm344.0000° $M_0$7.10000×10^{17}

(224) Hokkaido region

ISC	**IX**	**06 06 20 42.9–.28**	**41.79N–.03**	**141.72E–.04**	**82–2**	**3.8b**	**80**	**1-147**
IDC	IX	06 06 20 40.7–2.9	41.70N	141.66E	64–26	4.0L,3.8		**¶11909588**
ISCJB	IX	06 06 20 42.0–.28	41.78N–.03	141.73E–.04	87–2	3.8b,3.8		
MOS	IX	06 06 20 42.2–.98	41.81N	141.69E	96	4.1b,3.8		
JMA	IX	06 06 20 43.1–.10	41.77N	141.70E	77–2	3.8,3.8		
NEIC	IX	06 06 20 43.2	41.77N	141.70E	77	4.2b,3.8		

ISC Event type fe.
IDC Error ellipse: s-maj=20.0km s-min=15.4km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.6km az=39.0.
MOS Error ellipse: s-maj=18.3km s-min=9.5km az=74.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s102.00000°,δ34.00000°,λ-72.00000°. NP2: ϕ_s261.00000°,δ58.00000°,λ-102.00000°. Principal axes: T Plg12.0000°,Azm359.0000° ; N Plg10.0000°,Azm267.0000°; P Plg74.0000°,Azm139.0000°
NEIC Event type fe. Recorded [2 JMA] in Aomori, Honshu. Also recorded [1 JMA] in southern Hokkaido. After JMA.

(228) Near east coast of eastern Honshu

ISC	**IX**	**06 07 29 17.0–.50**	**35.30N–.02**	**141.06E–.03**	**28–3**	**4.7b,4.1s**	**238**	**0-148**
NIED	IX	06 07 29 00	35.30N	141.30E	23	4.6W,4.1s		**¶13393565**
BJI	IX	06 07 29 09.9	35.45N	141.38E	10	4.7b,4.7b		
IDC	IX	06 07 29 12.5–.49	35.28N	140.97E	0	4.5,4.4		
NEIC	IX	06 07 29 14.4–.24	35.34N	140.96E	10	4.8b,4.6W		
JMA	IX	06 07 29 14.8–.10	35.36N	141.25E	40–2	4.7,4.6W		
ISCJB	IX	06 07 29 16.4–.51	35.30N–.03	141.08E–.04	36–4	4.7b,4.1s		
SZGRF	IX	06 07 29 17.6	35.39N	142.05E	33	5.3b,4.3s		
MOS	IX	06 07 29 18.6–1.0	35.80N	141.00E	33	4.9b,4.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s216.00000°,δ85.00000°,λ-69.00000°. NP2:ϕ_s319.00000°,δ22.00000°,λ-166.00000°. $M_0$9.28000×10^{15}
IDC Error ellipse: s-maj=15.2km s-min=12.0km az=100.0.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=5.7km az=123.0. Recorded [2 JMA] in Chiba. Moment Tensor Solution. $M_0$9.30000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.5km az=17.2.
SZGRF Off east coast of Honshu, Japan.
MOS Error ellipse: s-maj=9.6km s-min=5.5km az=110.1.

(233) Near south coast of western Honshu

JMA	**IX**	**06 17 27 47.3**	**34.85N**	**135.46E**	**7–1**	**3.2**		**¶14097461**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s326.00000°,δ38.00000°,λ0.00000°. NP2:ϕ_s236.00000°,δ90.00000°,λ128.00000°. Principal axes: T Plg34.0000°,Azm177.0000°; N Plg38.0000°,Azm56.0000°; P Plg34.0000° ,Azm294.0000°

(244) Taiwan

ISC	**IX**	**06 23 00 36.0–.19**	**23.98N–.02**	**121.88E–.02**	**52–2**	**3.9b**	**164**	**0-83**
NIED	IX	06 23 00 00	24.10N	121.90E	47	4.1W		**¶11245825**
BJI	IX	06 23 00 30.0	23.96N	121.91E	14	4.4b,4.1b		
NEIC	IX	06 23 00 34.8–.66	23.95N	121.96E	50–5	4.1b,4.1b		
ISCJB	IX	06 23 00 35.1–.20	23.98N–.02	121.89E–.02	58–2	3.9b,4.1b		
JMA	IX	06 23 00 35.9–.20	24.14N	121.89E	83–4	4.1,4.1b		
TAP	IX	06 23 00 36.0	23.99N	121.81E	51–0	4.6L,4.1b		
IDC	IX	06 23 00 40.8–6.8	24.05N	121.76E	100–56	3.7,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ65.00000°,λ94.00000°. NP2:ϕ_s204.00000°,δ25.00000°,λ81.00000°. $M_0$1.85000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=6.8km az=124.0. Recorded [3 TAP] in Hua-lien and I-lan; [2 TAP] in Nan-t'ou; [1 TAP] in Chang-hua, T'ai-chung and Yun-lin.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=138.2.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP B.
IDC Error ellipse: s-maj=48.4km s-min=25.8km az=151.0.

(227) Eastern Honshu

ISC	**IX**	**06 23 58 55.1–.57**	**39.05N–.03**	**140.87E–.04**	**5–5**	**3.7b**	**20**	**0-67**
IDC	IX	06 23 58 53.2–1.3	39.00N	141.11E	0	3.7b,3.7		**¶14097573**
ISCJB	IX	06 23 58 54.4–.62	39.06N–.03	140.88E–.04	12–5	3.7b,3.7		
JMA	IX	06 23 58 54.9	39.06N	140.86E	7–1	3.4,3.7		

ISC Event type fe.
IDC Error ellipse: s-maj=35.7km s-min=16.7km az=116.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=5.1km az=31.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s268.00000°,δ43.00000°,λ123.00000°. NP2:ϕ_s46.00000°,δ56.00000°,λ63.00000°. Principal axes: T Plg67.0000°,Azm261.0000°; N Plg22.0000°,Azm62.0000°; P Plg7.0000° ,Azm155.0000°

(478) Utah

ISC	**IX**	**07 02 12 12.1–.22**	**41.72N–.01**	**112.36W–.02**	**10**		**119**	**0-7**
ISCJB	IX	07 02 12 11.7–.23	41.72N–.01	112.35W–.02	10			**¶12065182**
NEIC	IX	07 02 12 12.0	41.71N	112.38W	11	3.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=5.4.
NEIC Event type fe. Felt [III] at Garland and [II] at Tremonton. Also felt at Fielding, Magna and Snowville. After SLC.

(224) Hokkaido region

ISC	**IX**	**07 10 03 38.7–.46**	**42.28N–.04**	**143.03E–.08**	**57–3**	**3.8b**	**37**	**0-86**
NIED	IX	07 10 03 00	42.30N	143.00E	53	3.7W		**¶11747648**
MOS	IX	07 10 03 37.6–1.3	42.20N	142.97E	65	4.0b		
ISCJB	IX	07 10 03 37.6–.47	42.25N–.05	143.03E–.08	64–3	3.8b		
NEIC	IX	07 10 03 39.4	42.31N	143.02E	49	4.0b		
IDC	IX	07 10 03 39.0–1.9	42.30N	143.01E	61–15	3.7,3.6		
JMA	IX	07 10 03 39.3–.10	42.30N	143.02E	49–1	3.5,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ67.00000°,λ93.00000°. NP2:ϕ_s206.00000°,δ23.00000°,λ83.00000°. $M_0$4.46000×10^{14}
MOS Error ellipse: s-maj=23.7km s-min=11.8km az=98.2.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=7.1km az=19.8.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=24.0km s-min=12.8km az=94.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s233.00000°,δ30.00000°,λ112.00000°. NP2: ϕ_s28.00000°,δ63.00000°,λ78.00000°. Principal axes: T Plg70.0000°,Azm273.0000° ; N Plg11.0000°,Azm34.0000°; P Plg17.0000°,Azm127.0000°

(114) Off coast of Peru

ISC	**IX**	**07 10 49 57.2–.44**	**11.13S–.05**	**78.15W–.07**	**49**	**4.2b,4.0s**	**38**	**2-149**
ISCJB	IX	07 10 49 54.8–.46	11.14S–.05	78.23W–.08	47	4.2b,4.0s		**¶11909723**
IDC	IX	07 10 49 57.3–.59	11.05S	78.16W	50–5	3.9,3.8		
NEIC	IX	07 10 49 57.5–.50	11.01S	78.08W	47	4.7b,3.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=5.4km az=149.4.
IDC Error ellipse: s-maj=16.7km s-min=5.4km az=48.0.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=7.0km az=57.0. Felt [III] at Barranca and Supe; [II] at Huacho and Lima.

(613) Hawaiian Islands

NEIC	**IX**	**07 15 34 48.0**	**19.21N**	**155.53W**	**35**	**3.6**		**¶11277453**

NEIC Event type fe. Felt [III] at Captain Cook, Hilo, Kealakekua and Na'alehu; [II] at Kailua Kona and Kamuela. Felt at Holualoa, Honaunau, Honoka'a, Mountain View, Pahoa and Waikoloa. Also felt at Kahului, Maui. After HVO.

(228) Near east coast of eastern Honshu

ISC	**IX**	**08 00 25 47.8–.59**	**36.39N–.03**	**141.10E–.06**	**43–6**	**3.9b**	**40**	**0-56**
NIED	IX	08 00 25 00	36.30N	141.10E	41	3.5W		**¶11747654**
ISCJB	IX	08 00 25 46.7–.57	36.38N–.03	141.11E–.05	53–4	3.9b		
IDC	IX	08 00 25 47.6–5.1	36.37N	141.17E	33–44	3.8,3.8		
JMA	IX	08 00 25 48.1–.10	36.37N	141.02E	47–1	3.6,3.8		
NEIC	IX	08 00 25 49.4–1.3	36.41N	140.96E	58–11	4.1b,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s74.00000°,δ77.00000°,λ108.00000°. NP2:ϕ_s199.00000°,δ22.00000°,λ37.00000°. $M_0$2.34000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=5.1km az=179.8.
IDC Error ellipse: s-maj=28.4km s-min=20.2km az=93.0.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=10.9km az=103.0.

(12) Alaska Peninsula

ISC	**IX**	**08 02 37 18.8–.63**	**55.1N–.10**	**161.3W–.10**	**53–7**	**3.7b**	**28**	**1-85**
NEIC	IX	08 02 37 16.3	54.66N	161.11W	24	3.9L,3.4L		**¶11909777**
IDC	IX	08 02 37 17.7–4.2	55.08N	161.25W	41–36	3.6,3.5b		

ISC Event type fe.
NEIC Event type fe. Felt at Sand Point. After AEIC.
IDC Error ellipse: s-maj=38.6km s-min=22.2km az=169.0.

(186) Vanuatu Islands

ISC	**IX**	**08 03 03 17.7–.10**	**19.89S–.02**	**169.09E–.02**	**43**	**6.0b,5.8s**	**538**	**3-173**
LDG	IX	08 03 03 12.4–.08	19.59S	169.01E	10–0	6.3b,5.7s		**¶12951953**
NOU	IX	08 03 03 13.7–1.1	19.55S	169.01E	10–0	4.3L,3.5		
BJI	IX	08 03 03 14.2	19.55S	169.30E	25	6.2b,5.9s		
MOS	IX	08 03 03 14.9–.90	19.87S	169.10E	33	6.1b,5.8s		
ISCJB	IX	08 03 03 15.9–.10	19.89S–.02	169.04E–.02	41	6.0b,5.8s		
NEIC	IX	08 03 03 15.9–.10	19.96S	169.11E	36	6.2W,6.1W		
IGIL	IX	08 03 03 16.3	20.03S	169.12E	35	6.1s,6.1W		
IDC	IX	08 03 03 17.4–.30	19.94S	169.05E	44–2	5.7s,5.7		
SZGRF	IX	08 03 03 17.2	19.87S	170.71E	43	6.0b,5.7		
GCMT	IX	08 03 03 20.9–.10	19.97S	168.81E	48–0	6.2W,5.7		
DJA	IX	08 03 03 30	19.65S	168.65E	127	6.4W,5.7		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=9.4km s-min=3.1km az=126.0.
NOU Error ellipse: s-maj=24.1km s-min=29.3km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=7.7km az=60.9.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=44.9.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.8km az=167.0. Felt at Port-Vila. Also felt at Noumea, New Caledonia. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s340.00000°,δ45.00000°,λ90.00000°. NP2: ϕ_s160.00000°,δ45.00000°,λ90.00000°. Principal axes: T Plg90.0000°,Azm0.0000° ; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm70.0000° Moment Tensor Solution. s63 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-1.84 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.74 $M_{\phi r}$-0.19 Best double couple: NP1:ϕ_s335.00000°,δ43.00000°,λ78.00000°. NP2:ϕ_s171.00000° ,δ48.00000°,λ101.00000°. Principal axes: T 1.5500,Plg81.0000°,Azm145.0000° ; N 0.5300,Plg7.0000°,Azm343.0000°; P -2.0700,Plg2.0000°,Azm253.0000° $M_0$1.90000×10^{18} Moment Tensor Solution. $M_0$4.10000×10^{18}
IDC Error ellipse: s-maj=9.8km s-min=7.5km az=160.0.
SZGRF Vanuatu Islands.
GCMT Event type se. Data Used: II IU IC. Surface waves: sta=100, comp=239, per= 50. Moment Tensor Solution. s96,c236; s80,c136; Moment tensor: Scale 10^{18}Nm; M_{rr}2.07±.01 $M_{\theta\theta}$0.37±.01; $M_{\phi\phi}$-2.44±.01; $M_{r\theta}$-0.54±.01; $M_{\theta\phi}$0.25±.01; $M_{\phi r}$-0.21±.01; Best double couple: NP1:ϕ_s339.00000°,δ45.00000°,λ66.00000°. NP2:ϕ_s191.00000°,δ49.00000°,λ112.00000°. Principal axes: T 2.2400,Plg73.0000°,Azm168.0000°; N 0.2200,Plg17.0000°,Azm356.0000° ; P -2.4700,Plg2.0000°,Azm265.0000° $M_0$2.40000×10^{18}

(244) Taiwan

ISC	**IX**	**08 08 31 40.5–.32**	**23.39N–.02**	**121.59E–.02**	**24–2**	**3.8b**	**129**	**0-70**
IDC	IX	08 08 31 36.7–.99	23.07N	121.18E	0	3.9,3.7		**¶11245860**
BJI	IX	08 08 31 37.0	23.30N	121.70E	20	3.9b,3.6L		
NEIC	IX	08 08 31 38.0–.75	23.34N	121.69E	10	4.7L,3.6L		
ISCJB	IX	08 08 31 40.3–.30	23.39N–.02	121.60E–.02	27–2	3.8b,3.6L		
TAP	IX	08 08 31 40.9	23.43N	121.51E	31–0	4.3L,3.6L		
JMA	IX	08 08 31 42.0–.30	23.45N	121.63E	79	3.4,3.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=48.6km s-min=19.8km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=9.0km az=93.0. Recorded [3 TAP] in Hua-lien and T'ai-tung; [1 TAP] in Chang-hua and Chia-i.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=35.4.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.

(274) Southern Sumatera

ISC	**IX**	**08 10 43 28.7–.18**	**2.28S–.02**	**100.40E–.02**	**58**	**5.0b,4.4s**	**317**	**1-178**
MOS	IX	08 10 43 24.3–1.0	2.13S	100.56E	33	5.3b,4.4s		**¶11245863**
BJI	IX	08 10 43 24.4	2.67S	100.60E	65	4.9b,4.9b		
ISCJB	IX	08 10 43 26.5–.18	2.31S–.02	100.36E–.02	56	5.0b,4.4s		
DJA	IX	08 10 43 27	2.33S	100.24E	52	5.4W,4.4s		
IDC	IX	08 10 43 27.6–.59	2.21S	100.58E	51–4	4.7,4.6		
NEIC	IX	08 10 43 29.8–1.1	2.22S	100.51E	67–8	5.1b,4.6		
GCMT	IX	08 10 43 29.6–.30	2.42S	100.14E	37–0	5.1W,4.6		
TEH	IX	08 10 43 30.0	2.22S	100.45E	66	5.1W,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=13.1km s-min=5.8km az=109.2.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.4km az=135.6.
IDC Error ellipse: s-maj=16.3km s-min=7.3km az=54.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=4.5km az=55.0. Felt [III] at Padang and Pesisir Selatan, Sumatra.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s45,c66; s57,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.90±.19 $M_{\theta\theta}$2.90±.13; $M_{\phi\phi}$1.01±.19; $M_{r\theta}$-1.57±.14; $M_{\theta\phi}$-2.98±.10; $M_{\phi r}$-0.47±.20; Best double couple: NP1:ϕ_s327.00000°,δ43.00000°,λ-58.00000°. NP2:ϕ_s107.00000°,δ55.00000°,λ-116.00000°. Principal axes: T 5.1900,Plg6.0000° ,Azm215.0000°; N -0.6700,Plg21.0000°,Azm122.0000°; P -4.5100,Plg68.0000° ,Azm321.0000° $M_0$4.90000×10^{16}

(333) Tuva-Buryatia-Mongolia border region

ISC	**IX**	**08 18 42 40.1–.41**	**51.92N–.04**	**99.72E–.03**	**10**	**3.4b**	**95**	**1-26**
ASRS	IX	08 18 42 30.5–4.0	52.10N	99.91E	15	3.6s		**¶11909830**
MOS	IX	08 18 42 39.7–1.6	51.98N	99.44E	17	4.4b		
BYKL	IX	08 18 42 40.3–.82	51.89N	99.57E		4.4b		
IDC	IX	08 18 42 41.0–1.5	50.95N	98.77E	0	3.6b,3.4		
NEIC	IX	08 18 42 41.0–.68	51.70N	99.35E	10	3.3b,3.4		

ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=15.3km s-min=12.4km az=3.9. Felt (III) at Orlik. Moment Tensor Solution.
BYKL Event type se. FELT I=III-IV MSK at Orlik.
IDC Error ellipse: s-maj=80.8km s-min=14.9km az=23.0.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=8.4km az=195.0.

(186) Vanuatu Islands

ISC	**IX**	**08 18 52 09.0–.07**	**13.52S–.02**	**166.99E–.02**	**125**	**6.5b**	**1026**	**8-170**
DJA	IX	08 18 52 00	13.69S	167.86E	102	7.5W		**¶12951941**
SZGRF	IX	08 18 52 03.9	11.86S	168.16E	33	6.7b		
NOU	IX	08 18 52 05.2–1.2	13.18S	167.50E	30–0	6.7b		
NEIC	IX	08 18 52 07.0–.07	13.50S	166.97E	110	6.9W,6.9W		
ISCJB	IX	08 18 52 07.3–.07	13.53S–.02	166.93E–.02	123	6.5b,6.9W		
MOS	IX	08 18 52 07.7–.76	13.49S	166.93E	127	6.5s,6.5b		
IDC	IX	08 18 52 08.1–.45	13.54S	166.96E	116–3	6.4s,6.4		
TEH	IX	08 18 52 08.0	13.51S	166.97E	122	6.4s,6.4		
IGIL	IX	08 18 52 09.2	13.51S	166.97E	122	6.7s,6.4		
BJI	IX	08 18 52 09.5	13.03S	167.01E	129	7.2b,6.7b		
GCMT	IX	08 18 52 14.4–.00	13.37S	166.75E	125–0	6.9W,6.7b		

ISC Event type fe.
SZGRF Santa Cruz Islands region.
NOU Error ellipse: s-maj=11.7km s-min=87.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=152.0. Felt at Honiara, Solomon Islands. Two events about 6 seconds apart. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s180.00000° ,δ45.00000°,λ90.00000°. NP2:ϕ_s0.00000°,δ45.00000°,λ90.00000°. Principal axes: T Plg90.0000°,Azm0.0000°; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm90.0000° Moment Tensor Solution. s95 Moment tensor: Scale 10^{19}Nm; M_{rr}3.25 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-2.93 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.02 $M_{\phi r}$0.01 Best double couple: NP1:ϕ_s1.00000°,δ45.00000°,λ91.00000°. NP2: ϕ_s180.00000°,δ45.00000°,λ89.00000°. Principal axes: T 3.2500,Plg89.0000°,Azm353.0000° ; N -0.3200,Plg0.0000°,Azm180.0000°; P -2.9300,Plg0.0000°,Azm90.0000° $M_0$3.10000×10^{19} Moment Tensor Solution. $M_0$3.50000×10^{19}
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.1km az=42.8.
MOS Error ellipse: s-maj=7.0km s-min=6.4km az=137.2.
IDC Error ellipse: s-maj=8.8km s-min=8.5km az=36.0.
GCMT Event type se. Data Used: II IU IC G. LP body wave period 50 sec. Mantle waves from 107 sta. Surface waves: sta=110, comp=284, per= 50. Moment Tensor Solution. s108,c280; s99,c249; Moment tensor: Scale 10^{19}Nm; M_{rr}3.21±.01 $M_{\theta\theta}$-0.42±.01; $M_{\phi\phi}$-2.79±.01; $M_{r\theta}$-0.16±.01; $M_{\theta\phi}$-0.10±.01; $M_{\phi r}$-0.59±.01; Best double couple: NP1:ϕ_s0.00000°,δ39.00000° ,λ87.00000°. NP2:ϕ_s185.00000°,δ51.00000°,λ93.00000°. Principal axes:

T 3.2700,Plg84.0000°,Azm112.0000°; N -0.4200,Plg2.0000°,Azm3.0000° ; P -2.8500,Plg6.0000°,Azm273.0000° $M_0$3.10000×10^{19}

(274) Southern Sumatera

ISC	**IX**	**09 03 07 29.6–.11**	**3.90S–.02**	**102.93E–.02**	**35**	**5.3b,4.9s**	**732**	**0-176**
IDC	IX	09 03 07 24.0–.31	3.73S	103.29E	0	5.2,5.2		¶11255563
ISCJB	IX	09 03 07 27.8–.11	3.88S–.02	102.95E–.02	33	5.3b,4.9s		
NEIC	IX	09 03 07 27.5–.94	3.94S	103.06E	25–6	5.4b,4.9s		
GCMT	IX	09 03 07 27.8–.30	3.99S	103.15E	12–1	5.2W,4.9s		
MOS	IX	09 03 07 27.8–1.0	3.68S	103.18E	33	5.5b,4.8s		
BJI	IX	09 03 07 28.5	3.90S	103.10E	45	5.3s,5.2		
TEH	IX	09 03 07 30.0	3.87S	103.07E	39	5.3s,5.2		
DJA	IX	09 03 07 32	3.98S	103.01E	36	5.6W,5.2		
SZGRF	IX	09 03 07 37.5	3.63S	100.37E	33	5.2b,5.0s		

ISC Event type de.
IDC Error ellipse: s-maj=14.4km s-min=9.4km az=52.0.
ISCJB Event type de. Error ellipse: s-maj=3.4km s-min=2.1km az=37.7.
NEIC Event type de. Error ellipse: s-maj=5.6km s-min=4.5km az=48.0. Two people killed and 113 homes severely damaged [VI] at Lahat. Several buildings also damaged at Jarai. Felt [IV] at Kapahiang and Pagaralam and [III] at Bengkulu.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s29,c41; s66,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}6.16±.43 $M_{\theta\theta}$-8.34±.28; $M_{\phi\phi}$2.18±.32; $M_{r\theta}$-0.91±.61; $M_{\theta\phi}$1.99±.19; $M_{\phi r}$-2.12±.88; Best double couple: NP1:ϕ_s124.00000°,δ48.00000°,λ125.00000°. NP2:ϕ_s257.00000°,δ52.00000°,λ57.00000°. Principal axes: T 7.2500,Plg64.0000° ,Azm104.0000°; N 1.4700,Plg25.0000°,Azm279.0000°; P -8.7200,Plg2.0000°,Azm10.0000° $M_0$8.00000×10^{16}
MOS Error ellipse: s-maj=8.5km s-min=4.5km az=122.9.
SZGRF Southern Sumatera, Indonesia.

(274) Southern Sumatera

ISC	**IX**	**09 03 52 38.5–.48**	**3.98S–.06**	**103.01E–.06**	**43–6**	**4.1b**	**34**	**0-144**
IDC	IX	09 03 52 32.5–1.1	3.73S	103.19E	0	4.1,4.0b		¶11909860
ISCJB	IX	09 03 52 37.7–.47	3.98S–.06	103.00E–.06	52–5	4.1b,4.0b		
DJA	IX	09 03 52 37	4.03S	103.13E	6	4.4,4.0b		
NEIC	IX	09 03 52 37.9–.69	3.70S	103.27E	35	4.0b,4.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=63.8km s-min=16.1km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=13.9km s-min=5.8km az=44.5.
NEIC Event type fe. Error ellipse: s-maj=37.6km s-min=10.0km az=53.0. Felt [II] at Tebingtinggi.

(232) Western Honshu

ISC	**IX**	**09 04 24 48.4–.69**	**34.70N–.03**	**135.99E–.03**	**58–8**		**33**	**0-3**
NIED	IX	09 04 24 00	34.70N	136.00E	41	4.1W		¶11747666
ISCJB	IX	09 04 24 48.0–.73	34.70N–.03	136.00E–.03	60–7	4.1W		
JMA	IX	09 04 24 48.5	34.71N	136.01E	57–1	3.3		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s291.00000°,δ71.00000°,λ-115.00000°. NP2:ϕ_s165.00000°,δ31.00000°,λ-40.00000°. $M_0$1.44000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.4km az=155.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s307.00000°,δ55.00000°,λ-42.00000°. NP2:ϕ_s64.00000°,δ57.00000°,λ-137.00000°. Principal axes: T Plg1.0000°,Azm185.0000°; N Plg38.0000°,Azm94.0000°; P Plg52.0000° ,Azm276.0000°

(243) Taiwan region

ISC	**IX**	**09 07 43 14.6–.09**	**24.63N–.01**	**122.53E–.01**	**115**	**5.1b**	**676**	**0-178**
NIED	IX	09 07 43 00	24.70N	122.60E	101	5.4W		¶13393857
BJI	IX	09 07 43 08.8	24.40N	122.83E	100	5.1b,4.9b		
MOS	IX	09 07 43 09.3–1.2	24.80N	122.60E	77	5.3b,4.9b		
IDC	IX	09 07 43 13.8–.49	24.71N	122.70E	111–4	4.7,4.6		
ISCJB	IX	09 07 43 13.2–.09	24.62N–.01	122.59E–.01	113	5.1b,4.6		
NEIC	IX	09 07 43 13.3–.34	24.67N	122.57E	102–3	5.2b,4.6		
TAP	IX	09 07 43 13.3	24.61N	122.63E	104–0	5.9L,4.6		
JMA	IX	09 07 43 13.7–.10	24.66N	122.63E	99–1	5.4,4.6		
GCMT	IX	09 07 43 16.0–.10	24.60N	122.51E	109–1	5.5W,4.6		
DJA	IX	09 07 43 19	24.57N	122.60E	152	6.0W,4.6		
SZGRF	IX	09 07 43 50.7	27.38N	121.68E	33	5.2b,4.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ70.00000°,λ-58.00000°. NP2:ϕ_s161.00000°,δ37.00000°,λ-146.00000°. $M_0$1.58000×10^{17}
MOS Error ellipse: s-maj=7.5km s-min=4.9km az=103.2.
IDC Error ellipse: s-maj=13.5km s-min=8.1km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=143.2.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.6km az=104.0. Felt [III] at Taipei. Recorded [4 TAP] at I-lan; [3 TAP] in Hua-lien; [2 TAP] in Chang-hua, Miao-li, Nan-t'ou, T'ai-chung, T'ai-pei, T'ai-tung, T'ao-yuan and Yun-lin; [1 TAP] in Chia-i, Kao-hsiung and T'ai-nan. Recorded [2 JMA] on Iriomote-jima, Ishigaki-jima and Yonaguni-jima; [1 JMA] on Miyako-jima and Tarama-shima, Ryukyu Islands.
TAP B.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 105 sta. Moment Tensor Solution. s76,c123; s99,c211; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36±.03 $M_{\theta\theta}$-1.36±.03; $M_{\phi\phi}$1.71±.03; $M_{r\theta}$1.05±.02; $M_{\theta\phi}$0.12±.03; $M_{\phi r}$-0.28±.02; Best double couple: NP1: ϕ_s222.00000°,δ62.00000°,λ-19.00000°. NP2:ϕ_s321.00000°,δ74.00000°,λ-150.00000°. Principal axes: T 1.7500,Plg8.0000°,Azm90.0000°; N 0.2900,Plg56.0000°,Azm348.0000° ; P -2.0400,Plg32.0000°,Azm185.0000° $M_0$1.90000×10^{17}
SZGRF Near coast of southeastern China.

(135) Near coast of central Chile

ISC	**IX**	**09 11 13 05.7–1.7**	**36.45S–.04**	**73.14W–.09**	**24–12**	**4.4b,4.0s**	**60**	**1-169**
ISCJB	IX	09 11 13 04.5–1.8	36.44S–.04	73.17W–.09	29–13	4.4b,4.0s		¶11909870
IDC	IX	09 11 13 06.3–.62	36.41S	73.07W	27–4	4.3L,4.2		
NEIC	IX	09 11 13 06.4	36.46S	73.06W	50	4.6b,4.2		
GUC	IX	09 11 13 06.4–.85	36.46S	73.06W	50–20	4.9L,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=6.8km az=12.2.
IDC Error ellipse: s-maj=22.1km s-min=14.2km az=91.0.
NEIC Event type fe. Felt [III] at Concepcion and Talcahuano; [II] at Cauquenes, Penco and Tome. After GUC.
GUC Error ellipse: s-maj=3.7km s-min=12.7km az=-1.0.

(193) Bougainville - Solomon Islands region

ISC	**IX**	**09 12 22 50.3–1.0**	**9.23S–.03**	**158.24E–.02**	**15–6**	**5.7b,5.6s**	**583**	**2-163**
BJI	IX	09 12 22 46.1	8.98S	158.61E	8	5.9b,5.8s		¶12951973
IDC	IX	09 12 22 46.7–.38	9.27S	158.39E	0	5.6,5.6		
ISCJB	IX	09 12 22 47.2–.91	9.22S–.03	158.19E–.02	5–5	5.7b,5.6s		
MOS	IX	09 12 22 49.1–2.5	9.29S	158.23E	33	5.9b,5.6s		
IGIL	IX	09 12 22 49.2	9.29S	158.25E	10	5.9s,5.6s		
NEIC	IX	09 12 22 49.1–.12	9.27S	158.26E	12	6.3,5.9W		
GCMT	IX	09 12 22 53.0–.10	9.42S	158.36E	18–0	5.9W,5.9W		
DJA	IX	09 12 23 09	9.39S	157.82E	162	5.5b,5.9W		

ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=12.7km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.3km az=174.8.
MOS Error ellipse: s-maj=7.3km s-min=6.2km az=73.7.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.7km az=144.0. Felt [III] at Honiara. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s51 Moment tensor: Scale 10^{17}Nm; M_{rr}3.95 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$-2.62 $M_{r\theta}$-0.48 $M_{\theta\phi}$7.32 $M_{\phi r}$-1.29 Best double couple: NP1:ϕ_s276.00000° ,δ67.00000°,λ20.00000°. NP2:ϕ_s178.00000°,δ71.00000°,λ156.00000°. Principal axes: T 6.0800,Plg30.0000°,Azm136.0000°; N 3.2700,Plg59.0000°,Azm322.0000° ; P -9.3600,Plg2.0000°,Azm227.0000° $M_0$8.20000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=123, comp=264, per= 50. Moment Tensor Solution. s113,c236; s87,c121; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s6.00000°,δ74.00000° ,λ170.00000°. NP2:ϕ_s99.00000°,δ80.00000°,λ16.00000°. Principal axes: T 0.8600,Plg18.0000°,Azm323.0000°; N 0.3100,Plg71.0000°,Azm129.0000° ; P -1.1700,Plg4.0000°,Azm232.0000° $M_0$1.00000×10^{18}

(259) Mindanao

ISC	**IX**	**09 14 12 29.1–.90**	**8.53N–.03**	**125.86E–.04**	**14–5**	**4.0b**	**46**	**0-145**
IDC	IX	09 14 12 26.4–.60	8.54N	125.81E	0	3.9,3.9		¶11909877
ISCJB	IX	09 14 12 29.3–.89	8.55N–.03	125.90E–.04	29–6	4.0b,3.9		
MAN	IX	09 14 12 29	8.57N	125.75E	10	4.7b,3.6s		
BJI	IX	09 14 12 32.1	8.50N	125.80E	23	5.0b,4.3s		
NEIC	IX	09 14 12 32.2–1.8	8.46N	125.76E	42–17	4.4b,4.3s		

ISC Event type fe.
IDC Error ellipse: s-maj=25.3km s-min=9.8km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.3km az=156.2.
NEIC Event type fe. Error ellipse: s-maj=20.0km s-min=8.0km az=67.0. Felt [III PIVS] at San Francisco; [II PIVS] at Bayugan and Prosperidad; [I PIVS] at Compostela.

(228) Near east coast of eastern Honshu

ISC	**IX**	**09 23 57 17.0–.47**	**40.26N–.03**	**141.98E–.07**	**68–3**	**4.0b**	**77**	**0-75**
NIED	IX	09 23 57 00	40.30N	142.10E	59	3.9W		¶11255602
ISCJB	IX	09 23 57 15.7–.48	40.27N–.03	142.02E–.07	74–3	4.0b		
BJI	IX	09 23 57 15.8	40.53N	142.22E	74	4.4b,4.4b		
JMA	IX	09 23 57 16.6	40.27N	142.09E	59–1	3.8,4.4b		
MOS	IX	09 23 57 16.8–1.0	40.31N	141.93E	81	4.1b,4.4b		
NEIC	IX	09 23 57 18.7–.51	40.24N	141.96E	87–4	4.3b,4.4b		
IDC	IX	09 23 57 18.9–2.4	40.23N	141.97E	87–22	3.8,3.7b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s113.00000°,δ79.00000°,λ108.00000°. NP2:ϕ_s233.00000°,δ21.00000°,λ32.00000°. $M_0$7.44000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.3km az=15.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s37.00000°,δ17.00000°,λ101.00000°. NP2:ϕ_s205.00000°,δ73.00000°,λ87.00000°. Principal axes: T Plg62.0000°,Azm110.0000°; N Plg3.0000°,Azm206.0000°; P Plg28.0000° ,Azm298.0000°
MOS Error ellipse: s-maj=11.2km s-min=7.9km az=85.4.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.7km az=117.0. Recorded [3 JMA] in Aomori and [2 JMA] in Iwate.
IDC Error ellipse: s-maj=21.0km s-min=15.9km az=111.0.

(229) Off east coast of Honshu

ISC	**IX**	**10 00 24 15.7–.81**	**37.75N–.04**	**142.25E–.07**	**44–6**	**4.2b**	**71**	**1-77**
NIED	IX	10 00 24 00	37.70N	142.30E	20	4.0W		¶11747673
BJI	IX	10 00 24 13.5	37.80N	142.30E	20	4.7b,4.4b		
JMA	IX	10 00 24 13.6–.10	37.71N	142.29E	35–3	4.1,4.4b		
ISCJB	IX	10 00 24 14.1–.84	37.74N–.04	142.31E–.07	49–6	4.2b,4.4b		
NEIC	IX	10 00 24 15.0–1.2	37.77N	142.27E	40–10	4.5b,3.9W		
IDC	IX	10 00 24 18.8–2.5	37.71N	142.29E	68–22	3.8,3.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ84.00000°,λ108.00000°. NP2:ϕ_s124.00000°,δ19.00000°,λ19.00000°. $M_0$1.04000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=5.7km az=24.0.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=8.4km az=120.0. Recorded [1 JMA] in Miyagi. Moment Tensor Solution. $M_0$1.00000×10^{15}
IDC Error ellipse: s-maj=22.8km s-min=15.0km az=86.0.

(706) Northern Sumatera

ISC	**IX**	**10 03 00 31.0–.14**	**2.52N–.02**	**96.30E–.02**	**42**	**5.3s,5.2b**	**498**	**1-174**
SZGRF	IX	10 03 00 20.9	2.39N	99.07E	80	5.1s,5.0b		¶11255612
IDC	IX	10 03 00 23.9–.41	2.59N	96.37E	0	5.2s,5.2		
BJI	IX	10 03 00 25.7	2.10N	96.20E	46	5.7b,5.6s		
DJA	IX	10 03 00 27	2.39N	96.08E	12	5.5b,5.6s		
MOS	IX	10 03 00 28.2–1.0	2.57N	96.35E	33	5.4b,5.1s		
ISCJB	IX	10 03 00 28.9–.14	2.53N–.02	96.32E–.02	40	5.3s,5.2b		
NEIC	IX	10 03 00 30.9–.90	2.51N	96.32E	43–7	5.4W,5.2b		
GCMT	IX	10 03 00 30.4–.10	2.13N	96.03E	30–0	5.5W,5.2b		

ISC Event type fe.
SZGRF Northern Sumatera, Indonesia.
IDC Error ellipse: s-maj=15.7km s-min=12.7km az=62.0.
MOS Error ellipse: s-maj=8.3km s-min=4.6km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=37.7.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=222.0. Felt [III] at Sinabang. Moment Tensor Solution. s78 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$-0.30 $M_{r\theta}$0.96 $M_{\theta\phi}$0.59 $M_{\phi r}$-0.73 Best double couple: NP1:ϕ_s301.00000°,δ22.00000°,λ85.00000°. NP2:ϕ_s126.00000°,δ68.00000°,λ92.00000°. Principal axes: T 1.6200,Plg66.0000° ,Azm40.0000°; N 0.0900,Plg1.0000°,Azm305.0000°; P -1.7100,Plg23.0000°,Azm214.0000° $M_0$1.70000×10^{17}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s80,c127; s90,c149; Moment tensor: Scale 10^{17}Nm; M_{rr}1.17±.03 $M_{\theta\theta}$-0.84±.02; $M_{\phi\phi}$-0.33±.03; $M_{r\theta}$1.26±.04; $M_{\theta\phi}$0.88±.02; $M_{\phi r}$-1.02±.05; Best double couple: NP1:ϕ_s304.00000°,δ20.00000°,λ86.00000°. NP2:ϕ_s129.00000°,δ70.00000°,λ92.00000°. Principal axes: T 1.9400,Plg65.0000° ,Azm41.0000°; N 0.3300,Plg1.0000°,Azm308.0000°; P -2.2700,Plg25.0000°,Azm218.0000° $M_0$2.10000×10^{17}

(706) Northern Sumatera

ISC	**IX**	**10 04 02 27.8–.26**	**2.46N–.04**	**96.26E–.03**	**35**	**4.8b,4.5s**	**189**	**1-146**
DJA	IX	10 04 02 20	2.54N	95.68E	19	5.0,4.5s		¶11255615
BJI	IX	10 04 02 21.3	1.96N	96.17E	36	5.0b,4.9b		
IDC	IX	10 04 02 21.4–.65	2.44N	96.28E	0	4.7L,4.5		
ISCJB	IX	10 04 02 25.3–.26	2.42N–.04	96.23E–.03	33	4.8b,4.5s		
MOS	IX	10 04 02 25.1–1.2	2.49N	96.38E	33	5.0b,4.5s		
NEIC	IX	10 04 02 27.4–1.7	2.42N	96.30E	37–14	4.8b,4.5s		
TEH	IX	10 04 02 28.0	2.42N	96.32E	38	4.8b,4.5s		

ISC Event type fe.
IDC Error ellipse: s-maj=23.0km s-min=14.4km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.8km az=38.4.
MOS Error ellipse: s-maj=14.4km s-min=6.0km az=108.6.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=6.1km az=51.0. Felt [II] at Sinabang.

(246) Southwestern Ryukyu Islands

ISC	**IX**	**10 04 37 20.1–.35**	**24.84N–.05**	**125.34E–.04**	**47–3**	**4.2b,3.4s**	**69**	**0-93**
NIED	IX	10 04 37 00	24.80N	125.40E	41	4.4W,3.4s		¶13393954
BJI	IX	10 04 37 17.3	24.77N	125.43E	48	4.4b,4.4b		
ISCJB	IX	10 04 37 18.9–.38	24.81N–.06	125.36E–.04	53–3	4.2b,3.4s		
IDC	IX	10 04 37 20.0–.76	24.81N	125.21E	48–8	4.0,3.9		
JMA	IX	10 04 37 19.5–.10	24.81N	125.40E	49–1	4.5,3.9		
NEIC	IX	10 04 37 21.0–1.1	24.77N	125.21E	55–10	4.4b,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ86.00000°,λ102.00000°. NP2:ϕ_s163.00000°,δ12.00000°,λ17.00000°. $M_0$4.07000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=4.6km az=152.0.
IDC Error ellipse: s-maj=24.4km s-min=13.7km az=77.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=9.9km az=118.0. Recorded [2 JMA] on Miyako-jima and [1 JMA] on Tarama-shima.

(277) Jawa

ISC	**IX**	**10 05 06 14.7–.60**	**7.98S–.07**	**108.00E–.04**	**91–5**	**4.4b**	**71**	**0-150**
IDC	IX	10 05 06 04.0–.56	7.74S	107.94E	0	4.5,4.4		¶11255619
DJA	IX	10 05 06 12	8.17S	107.96E	25	5.0,4.4		
NEIC	IX	10 05 06 15.8–3.0	7.69S	108.07E	94–27	4.4b,4.4		

ISC Event type fe.
IDC Error ellipse: s-maj=28.7km s-min=14.0km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=7.6km az=52.0. Felt [III] at Pangandaran and [II] at Cilacap.

(230) Near south coast of eastern Honshu

ISC	**IX**	**10 10 03 18.7–.47**	**34.93N–.03**	**137.48E–.04**	**32–4**	**3.2b**	**30**	**0-43**
NIED	IX	10 10 03 00	35.00N	137.50E	38	3.8W		¶11747674
IDC	IX	10 10 03 13.9–1.8	34.88N	137.30E	0	3.7L,3.6		
ISCJB	IX	10 10 03 18.2–.40	34.92N–.03	137.48E–.03	41–7	3.2b,3.6		
JMA	IX	10 10 03 18.3	34.99N	137.48E	38	3.7,3.6		
NEIC	IX	10 10 03 18.3	34.99N	137.48E	38	3.7,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s86.00000°,δ88.00000°,λ-152.00000°. NP2:ϕ_s355.00000°,δ62.00000°,λ-3.00000°. $M_0$5.27000×10^{14}
IDC Error ellipse: s-maj=38.9km s-min=26.0km az=30.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.3km az=151.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s352.00000°,δ60.00000°,λ2.00000°. NP2:ϕ_s261.00000°,δ88.00000°,λ150.00000°. Principal axes: T Plg22.0000°,Azm212.0000°; N Plg60.0000°,Azm77.0000°; P Plg19.0000° ,Azm310.0000°
NEIC Event type se. After JMA.

(353) Southern Iran

ISC	**IX**	**10 11 00 34.5–.09**	**26.77N–.01**	**55.83E–.01**	**12**	**6.0b,5.9s**	**2646**	**1-174**
BGS	IX	10 11 00 21.8–1.6	25.20N	56.35E	12–0	5.8s,5.8b		¶13393964
BJI	IX	10 11 00 29.0	27.02N	55.19E	12	6.3s,6.3b		
ISCJB	IX	10 11 00 32.7–.09	26.77N–.01	55.82E–.01	12	6.0b,5.9s		
NEIC	IX	10 11 00 34.1–.13	26.74N	55.83E	12	6.1b,6.0s		
PDA	IX	10 11 00 34.7	26.82N	55.83E	15	6.1b,6.0s		
IGIL	IX	10 11 00 34.6	26.83N	55.83E	15	5.7b,6.0s		

THR	IX	10 11 00 35.1–.62	26.94N	55.72E	7–4	6.2b,5.8L	
CSEM	IX	10 11 00 35.0–.07	26.80N	55.87E	16	6.1W,6.1b	
SFS	IX	10 11 00 35.0	26.86N	55.80E	15	6.1L,6.1b	
TEH	IX	10 11 00 35.3	27.00N	55.83E	10	6.1L,6.1b	
IDC	IX	10 11 00 36.9–1.6	26.88N	55.90E	27–10	5.8s,5.8	
SGS	IX	10 11 00 36.5	26.91N	55.64E	0	5.8s,5.8	
MOS	IX	10 11 00 36.0–.86	26.87N	55.80E	33	6.1b,5.9s	
OMAN	IX	10 11 00 38.1–2.6	26.94N	56.08E	36–999	6.1b,5.9s	
GCMT	IX	10 11 00 38.4–.10	26.65N	55.72E	12	6.1W,5.9s	
DJA	IX	10 11 00 42	26.97N	55.79E	67	6.5W,5.9s	
SZGRF	IX	10 11 00 57.4	28.04N	53.20E	33	5.8b,5.7s	

ISC Event type de.
BGS Error ellipse: s-maj=349.7km s-min=244.0km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=1.8km s-min=1.4km az=12.7.
NEIC Event type de. Error ellipse: s-maj=3.1km s-min=2.3km az=198.0. Seven people killed and at least 30 injured in the Bandar 'Abbas area. Fifteen people injured on Jazireh-ye Qeshm. Many villages damaged in Hormozgan. Felt [IV] at Ajman and Ra's al Khaymah; [III] at Abu Dhabi, Dubai and Sharjah, United Arab Emirates. Also felt at Al 'Ayn and Al Fujayrah. Felt [II] at Doha, Qatar. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s225.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm315.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm135.0000° Moment Tensor Solution. s115 Moment tensor: Scale 10^{17}Nm; M_{rr}5.58 $M_{\theta\theta}$-2.94 $M_{\phi\phi}$-2.63 $M_{r\theta}$-1.84 $M_{\theta\phi}$-4.70 $M_{\phi r}$1.20 Best double couple: NP1:ϕ_s248.00000°,δ52.00000°,λ122.00000°. NP2:ϕ_s23.00000° ,δ48.00000°,λ56.00000°. Principal axes: T 6.5800,Plg65.0000°,Azm221.0000° ; N 0.9400,Plg24.0000°,Azm47.0000°; P -7.5100,Plg2.0000°,Azm316.0000° $M_0$7.10000×10^{17}
THR Error ellipse: s-maj=6.3km s-min=5.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=5.0.
SFS Event type ke.
IDC Error ellipse: s-maj=8.0km s-min=7.3km az=129.0.
MOS Error ellipse: s-maj=5.7km s-min=2.6km az=125.6.
OMAN Error ellipse: s-maj=84.1km s-min=11.9km az=356.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=102, comp=247, per= 50. Moment Tensor Solution. s99,c196; s81,c108; Moment tensor: Scale 10^{18}Nm; M_{rr}1.34±.01 $M_{\theta\theta}$-1.35±.01; $M_{\phi\phi}$0.01±.01; $M_{r\theta}$0.72±.04; $M_{\theta\phi}$-0.91±.01; $M_{\phi r}$0.19±.04; Best double couple: NP1:ϕ_s234.00000°,δ33.00000°,λ76.00000°. NP2:ϕ_s71.00000°,δ58.00000°,λ99.00000°. Principal axes: T 1.5200,Plg75.0000°,Azm7.0000°; N 0.4400,Plg8.0000°,Azm246.0000° ; P -1.9600,Plg12.0000°,Azm154.0000° $M_0$1.70000×10^{18}
SZGRF Southern Iran.

(243) Taiwan region

ISC	**IX**	**10 11 55 35.4–.48**	**25.12N–.02**	**122.28E–.02**	**17–2**	**4.8s,4.7b**	**257**	**0-95**
TAP	IX	10 11 55 34.7	25.13N	122.26E	17–0	4.6L,4.7b		**¶11255626**
ISCJB	IX	10 11 55 34.6–.44	25.14N–.02	122.33E–.03	24–3	4.8s,4.7b		
IDC	IX	10 11 55 34.6–.56	25.14N	122.35E	16–3	4.5,4.4b		
NEIC	IX	10 11 55 35.1–.24	25.12N	122.29E	17	4.9b,4.4b		
MOS	IX	10 11 55 35.8–1.1	25.24N	122.36E	33	5.0b,4.4b		
BJI	IX	10 11 55 36.9	25.24N	122.17E	27	5.0L,4.9s		

ISC Event type fe.
TAP C.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.0km az=23.6.
IDC Error ellipse: s-maj=17.2km s-min=11.1km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.6km az=123.0. Recorded [3 TAP] in T'ai-pei and [1 TAP] in I-lan.
MOS Error ellipse: s-maj=11.8km s-min=6.2km az=124.5.

(546) Austria

ISC	**IX**	**10 13 24 49.4–.25**	**47.40N–.02**	**11.02E–.02**	**10–2**		**165**	**0-6**
ZUR	IX	10 13 24 48.8	47.31N	11.07E	1–0	2.4L		**¶13828623**
ISCJB	IX	10 13 24 48.4–.27	47.43N–.02	11.01E–.02	9–2	2.4L		
CSEM	IX	10 13 24 49.1–.12	47.37N	11.03E	10	2.8L		
VIE	IX	10 13 24 49.4–.16	47.34N	11.02E	9–1	2.8L,2.0b		
BGR	IX	10 13 24 50.9–.29	47.39N	11.06E	10	2.7L,2.0b		
LDG	IX	10 13 24 50.2–.09	47.36N	11.06E	2–0	2.8L,2.0b		
NEIC	IX	10 13 24 50.9	47.39N	11.06E	10	2.8L,2.7L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.4km az=175.1.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=169.0.
VIE Event type fe. Error ellipse: s-maj=1.3km s-min=0.9km az=8.0. 5 km NW of Telfs . felt 4-5 ems98 at Telfs / TYROL.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=2.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.3km az=158.0.
NEIC Event type se. After SZGRF.

(546) Austria

ISC	**IX**	**10 13 33 34.9–.25**	**47.41N–.02**	**11.03E–.02**	**11–2**		**189**	**0-6**
ISCJB	IX	10 13 33 33.6–.26	47.47N–.02	11.00E–.02	5–3			**¶11302691**
CSEM	IX	10 13 33 34.7–.12	47.40N	11.03E	10	2.9L		
PRU	IX	10 13 33 35.5	47.40N	11.08E	0	2.9L		
VIE	IX	10 13 33 35.1–.12	47.34N	11.02E	9–1	2.7L,2.0b		
ZUR	IX	10 13 33 35.0	47.35N	11.03E	10–0	2.5L,2.0b		
BGR	IX	10 13 33 35.9–.29	47.40N	11.06E	10	2.6L,2.0b		
LDG	IX	10 13 33 35.4–.08	47.34N	11.02E	3–0	2.9L,2.0b		
NEIC	IX	10 13 33 36.0	47.40N	11.10E	10	2.9L,2.8L		
STR	IX	10 13 33 39.4–.63	47.39N	10.72E	10–0	2.8L,2.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.1km az=6.6.
CSEM Event type ke.
VIE Event type fe. Error ellipse: s-maj=1.0km s-min=0.7km az=3.0. 5 km NW of Telfs . felt 4-5 ems98 at Telfs / TYROL.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=14.0.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=175.0.
NEIC Event type se. After SZGRF.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(83) South of Panama

ISC	**IX**	**10 13 39 36.2–1.2**	**7.62N–.06**	**82.70W–.04**	**7–6**	**4.3b**	**104**	**1-147**
ISCJB	IX	10 13 39 34.9–1.2	7.54N–.05	82.76W–.03	14–7	4.3b		**¶11255636**
NEIC	IX	10 13 39 34.7–.75	7.39N	82.76W	10	4.6b		
IDC	IX	10 13 39 35.9–4.8	8.00N	82.47W	0	4.5,4.2L		
BJI	IX	10 13 39 35.7	7.40N	82.80W	20	4.8s,4.6		
CASC	IX	10 13 39 35.4–2.5	7.50N	82.74W	14–10	4.5,3.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=4.7km az=21.7.
NEIC Event type fe. Error ellipse: s-maj=16.9km s-min=8.8km az=197.0. Felt in Perez Zeledon and the Valle Central, Costa Rica.
IDC Error ellipse: s-maj=132.7km s-min=27.1km az=17.0.
CASC Error ellipse: s-maj=7.4km s-min=8.4km az=-1.0.

(546) Austria

ISC	**IX**	**10 13 57 26.5–.23**	**47.42N–.02**	**11.03E–.02**	**9–2**		**215**	**0-6**
ISCJB	IX	10 13 57 25.1–.29	47.48N–.01	11.05E–.02	0–3			**¶13828660**
ZUR	IX	10 13 57 26.3	47.35N	11.03E	10–0	2.7L		
VIE	IX	10 13 57 26.3–.13	47.35N	11.02E	10–1	3.0L,2.2b		
CSEM	IX	10 13 57 26.3–.14	47.40N	11.03E	10	3.1L,2.2b		
LDG	IX	10 13 57 26.8–.09	47.34N	11.04E	2–0	3.1L,2.2b		
NEIC	IX	10 13 57 27.0	47.40N	11.00E	10	3.1L,2.8L		
BGR	IX	10 13 57 27.5–.27	47.38N	11.05E	10	2.8L,2.8L		
STR	IX	10 13 57 29.8–1.5	47.84N	11.19E	10–0	2.9L,2.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.2km az=20.6.
VIE Event type fe. Error ellipse: s-maj=1.1km s-min=0.7km az=0.0. 6 km NW of Telfs . felt 4-5 ems98 at Telfs / TYROL.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=178.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=168.0.
NEIC Event type se. After SZGRF.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=15.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(123) Northern Chile

ISC	**IX**	**10 15 03 25.9–.50**	**22.52S–.04**	**68.79W–.06**	**76–8**	**4.0b**	**34**	**1-146**
ISCJB	IX	10 15 03 24.6–.59	22.54S–.04	68.76W–.07	78–9	4.0b		**¶11909962**
GUC	IX	10 15 03 26.8–.51	22.37S	68.99W	94–4	4.9L		
NEIC	IX	10 15 03 28.2–1.1	22.55S	68.72W	93–9	4.5b		
IDC	IX	10 15 03 28.0–.65	22.61S	68.64W	88–5	4.2s,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=6.8km az=2.4.
GUC Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=17.1km s-min=11.7km az=100.0. Felt [III] at Calama and [II] at Mejillones and Tocopilla.
IDC Error ellipse: s-maj=18.8km s-min=15.0km az=88.0.

(123) Northern Chile

ISC	**IX**	**10 16 11 59.3–.89**	**20.31S–.03**	**69.18W–.03**	**4–5**	**5.5b,5.3s**	**791**	**1-178**
ISCJB	IX	10 16 11 58.4–.94	20.24S–.03	69.21W–.03	8–5	5.5b,5.3s		**¶11255640**
MOS	IX	10 16 12 02.9–1.1	20.05S	69.24W	33	5.7b,5.2s		
GUC	IX	10 16 12 03.3–.37	20.45S	69.49W	34–3	6.0L,5.2s		
IDC	IX	10 16 12 03.7–.37	20.33S	69.36W	35–2	5.2s,5.2		
BJI	IX	10 16 12 03.5	19.81S	69.12W	33	5.7s,5.6		
NEIC	IX	10 16 12 04.0–.15	20.26S	69.22W	38	5.6b,5.3s		
GCMT	IX	10 16 12 11.6–.20	20.41S	69.56W	36–0	5.7W,5.3s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.9km az=43.7.
MOS Error ellipse: s-maj=11.1km s-min=5.9km az=114.5.
GUC Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=15.2km s-min=10.3km az=73.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.5km az=46.0. Felt [VI] at Alto Hospicio, Camina, Colchane, Cuya, Huara, Iquique, Pisagua and Pozo Almonte; [IV] at Arica; [III] at Calama, Mejillones and Tocopilla; [II] at Antofagasta, Maria Elena and Putre.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 98, comp=176, per= 50. Moment Tensor Solution. s69,c98; s20,c22; Moment tensor: Scale 10^{17}Nm; M_{rr}3.28±.16 $M_{\theta\theta}$-5.65±.10; $M_{\phi\phi}$2.37±.12; $M_{r\theta}$1.53±.11; $M_{\theta\phi}$-1.83±.08; $M_{\phi r}$1.21±.15; Best double couple: NP1:ϕ_s289.00000°,δ44.00000°,λ138.00000°. NP2:ϕ_s52.00000°,δ62.00000°,λ54.00000°. Principal axes: T 4.1200,Plg57.0000°,Azm273.0000°; N 2.2400,Plg31.0000°,Azm70.0000° ; P -6.3700,Plg10.0000°,Azm167.0000° $M_0$5.30000×10^{17}

(224) Hokkaido region

ISC	**IX**	**10 16 35 18.9–.40**	**43.09N–.04**	**144.77E–.04**	**79–3**	**3.9b**	**68**	**0-72**
SKHL	IX	10 16 35 17.9–1.3	43.00N	144.60E	82–4	5.7,5.5b		**¶11909971**
ISCJB	IX	10 16 35 17.8–.40	43.09N–.04	144.77E–.04	86–2	3.9b,5.5b		
JMA	IX	10 16 35 18.7–.10	43.09N	144.78E	77–1	4.0,5.5b		
MOS	IX	10 16 35 19.6–1.2	43.15N	144.57E	103	4.0b,5.5b		
NEIC	IX	10 16 35 20.2–.78	43.10N	144.69E	92–6	4.4b,5.5b		
IDC	IX	10 16 35 20.2–2.2	43.11N	144.68E	93–17	3.7,3.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.8km az=148.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=18.2km s-min=11.3km az=109.2.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.0km az=94.0.
IDC Error ellipse: s-maj=22.0km s-min=16.3km az=82.0.

(267) Halmahera

ISC	**IX**	**11 00 00 02.7–.10**	**1.89N–.01**	**127.45E–.02**	**97**	**6.3b**	**916**	**1-166**
SZGRF	IX	10 23 59 30.4	0.53N	128.38E	100	6.3b		**¶12952001**
BJI	IX	10 23 59 57.5	1.52N	127.69E	94	6.8b,6.3b		
ISCJB	IX	11 00 00 00.9–.10	1.89N–.01	127.47E–.02	95	6.3b,6.3b		
MOS	IX	11 00 00 02.9–.92	1.90N	127.40E	115	7.3s,6.3b		
NEIC	IX	11 00 00 02.7–.09	1.89N	127.36E	96	6.6W,6.5W		
IDC	IX	11 00 00 04.4–.41	1.92N	127.44E	114–3	5.8s,5.8		
DJA	IX	11 00 00 05	1.95N	127.41E	114	7.0W,5.8		
GCMT	IX	11 00 00 06.8–.10	1.91N	127.34E	120–0	6.6W,5.8		

ISC Event type fe.
SZGRF Halmahera, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=0.1.
MOS Error ellipse: s-maj=7.2km s-min=4.4km az=116.4. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s344.00000°,δ43.00000°,λ22.00000°. NP2: ϕ_s237.00000°,δ75.00000°,λ131.00000°. Principal axes: T Plg44.0000°,Azm188.0000° ; N Plg39.0000°,Azm45.0000°; P Plg20.0000°,Azm298.0000°
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=3.3km az=58.0. Felt [V] at Galela and Loloda. Felt [IV] at Bitung and on Ternate; [III] at Gorontalo and Manado, Sulawesi. Felt [III PIVS] at Davao and Tagum; [II PIVS] at General Santos and Zamboanga, Philippines. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s230.00000°,δ75.00000°,λ90.00000°. NP2:ϕ_s50.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm140.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000° ,Azm320.0000° Moment Tensor Solution. s88 Moment tensor: Scale 10^{18}Nm; M_{rr}3.24 $M_{\theta\theta}$1.46 $M_{\phi\phi}$-4.70 $M_{r\theta}$-5.38 $M_{\theta\phi}$-1.30 $M_{\phi r}$-4.10 Best double couple: NP1:ϕ_s342.00000° ,δ26.00000°,λ29.00000°. NP2:ϕ_s225.00000°,δ77.00000°,λ113.00000°. Principal axes: T 8.2500,Plg51.0000°,Azm162.0000°; N -0.4100,Plg22.0000°,Azm39.0000° ; P -7.8400,Plg28.0000°,Azm296.0000° $M_0$8.10000×10^{18}
IDC Error ellipse: s-maj=11.6km s-min=6.0km az=69.0.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Surface waves: sta=117, comp=265, per= 50. Moment Tensor Solution. s120,c299; s90,c167; Moment tensor: Scale 10^{18}Nm; M_{rr}2.87±.07 $M_{\theta\phi}$2.50±.07; $M_{\phi\phi}$-5.37±.08; $M_{r\theta}$-6.98±.05; $M_{\theta\theta}$-1.66±.08; $M_{\phi r}$-4.03±.06; Best double couple: NP1:ϕ_s338.00000°,δ29.00000°,λ20.00000°. NP2:ϕ_s231.00000°,δ81.00000°,λ117.00000°. Principal axes: T 9.8800,Plg47.0000° ,Azm170.0000°; N -0.9200,Plg27.0000°,Azm46.0000°; P -8.9600,Plg30.0000° ,Azm299.0000° $M_0$9.40000×10^{18}

(224) Hokkaido region

ISC	**IX**	**11 00 20 52.9–.07**	**41.94N–.02**	**143.83E–.01**	**39**	**7.1s,6.0b**	**1941**	**1-161**
NIED	IX	11 00 20 00	41.80N	144.20E	29	6.8W,6.0b		**¶14099109**
BGS	IX	11 00 20 43.6–2.0	40.92N	142.41E	33–0	7.2s,5.8b		
IDC	IX	11 00 20 47.7–2.1	41.91N	143.75E	9–12	7.1s,7.1		
BJI	IX	11 00 20 49.4	41.90N	143.78E	33	7.3s,7.2b		
ISCJB	IX	11 00 20 50.9–.07	41.90N–.02	143.86E–.01	37	7.1s,6.0b		
NEIC	IX	11 00 20 50.9–.12	41.89N	143.75E	25	7.0s,6.8W		
JMA	IX	11 00 20 51.3–.20	41.78N	144.15E	31–3	7.1,6.8W		
MOS	IX	11 00 20 51.0–1.2	41.93N	143.81E	42	7.2s,6.4b		
DJA	IX	11 00 20 53	42.02N	143.60E	16	7.1W,6.4b		
SZGRF	IX	11 00 20 54.5	42.87N	144.73E	33	7.8s,6.5b		
GCMT	IX	11 00 20 56.1–.10	41.79N	144.11E	20	6.8W,6.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ78.00000°,λ56.00000°. NP2:ϕ_s269.00000°,δ36.00000°,λ159.00000°. $M_0$1.97000×10^{19}
BGS Error ellipse: s-maj=206.2km s-min=514.4km az=-1.0.
IDC Error ellipse: s-maj=11.9km s-min=9.1km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=159.7.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.9km az=154.0. Felt [IV] at Sapporo. Felt at Hakodate and Otofuke. Also felt [IV] at Misawa, Honshu. Recorded [5L JMA] in southern Hokkaido. Recorded [3 JMA] in Aomori and Iwate; [2 JMA] in Akita, Miyagi and Yamagata; [1 JMA] in Fukushima, Gumma, Ibaraki and Tochigi, Honshu. A small tsunami was recorded at Hanasaki, Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s15.00000°,δ75.00000°,λ90.00000°. NP2: ϕ_s195.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm285.0000° ; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm105.0000° Moment Tensor Solution. s204 Moment tensor: Scale 10^{19}Nm; M_{rr}0.63 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-0.67 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.72 $M_{\phi r}$1.43 Best double couple: NP1:ϕ_s23.00000°,δ76.00000°,λ83.00000°. NP2:ϕ_s230.00000° ,δ16.00000°,λ116.00000°. Principal axes: T 1.5700,Plg58.0000°,Azm283.0000° ; N 0.4600,Plg6.0000°,Azm25.0000°; P -2.0300,Plg30.0000°,Azm119.0000° $M_0$1.90000×10^{19} Moment Tensor Solution. $M_0$2.00000×10^{19} Moment Tensor Solution. $M_0$1.70000×10^{19}
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=6.5km s-min=4.2km az=103.4. Fault plane solution: P-wave C122, D22 . Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000°,δ7.00000°,λ100.00000°. NP2: ϕ_s45.00000°,δ84.00000°,λ89.00000°. Principal axes: T Plg51.0000°,Azm314.0000° ; N Plg1.0000°,Azm45.0000°; P Plg39.0000°,Azm136.0000° $M_0$5.10000×10^{19}
SZGRF Hokkaido, Japan, region.
GCMT Event type se. Data Used: II IU IC G CN. LP body wave period 50 sec. Mantle waves from 104 sta. Surface waves: sta= 93, comp=192, per= 50. Moment Tensor Solution. s87,c165; s99,c202; Moment tensor: Scale 10^{19}Nm; M_{rr}0.79±.01 $M_{\theta\theta}$-0.33±.01; $M_{\phi\phi}$-0.47±.01; $M_{r\theta}$0.70±.02; $M_{\theta\phi}$-0.48 $M_{\phi r}$1.41±.02; Best double couple: NP1:ϕ_s235.00000°,δ15.00000° ,λ116.00000°. NP2:ϕ_s28.00000°,δ76.00000°,λ83.00000°. Principal axes: T 1.7600,Plg58.0000°,Azm289.0000°; N 0.0400,Plg7.0000°,Azm30.0000° ; P -1.8000,Plg31.0000°,Azm124.0000° $M_0$1.80000×10^{19}

(224) Hokkaido region

ISC	**IX**	**11 00 32 47.9–.75**	**41.78N–.02**	**143.98E–.03**	**32–5**	**5.4s,5.3b**	**628**	**1-157**
IDC	IX	11 00 32 44.7–4.2	41.75N	144.11E	16–25	5.0,5.0		**¶13394030**

ISCJB IX 11 00 32 45.6–.80 41.72N–.02 143.99E–.03 29–5 5.4s,5.3b
JMA IX 11 00 32 46.0–.20 41.76N 144.22E 28–3 5.7,5.3b
BJI IX 11 00 32 47.3 41.79N 143.91E 36 5.6s,5.5b
MOS IX 11 00 32 47.8–1.1 41.79N 143.90E 43 5.6b,5.5b
NEIC IX 11 00 32 48.4–.72 41.75N 143.88E 35–6 5.3b,5.5b
SZGRF IX 11 00 32 56.1 43.19N 144.03E 33 5.5b,5.5b
ISC Event type fe.
IDC Error ellipse: s-maj=13.4km s-min=11.2km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=152.8.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=7.2km s-min=4.6km az=106.5.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.8km az=165.0. Recorded [2 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate.
SZGRF Hokkaido, Japan, region.

(224) Hokkaido region

ISC IX 11 01 08 10.1–.72 41.72N–.03 144.09E–.04 28–5 5.5s,4.9b 300 1-152
IDC IX 11 01 08 05.4–.53 41.67N 144.15E 0 4.7,4.7 **¶11265485**
ISCJB IX 11 01 08 08.2–.77 41.66N–.03 144.13E–.04 29–5 5.5s,4.9b
JMA IX 11 01 08 08.7–.20 41.72N 144.25E 27–3 5.0,4.9b
BJI IX 11 01 08 08.9 41.76N 143.95E 27 5.5s,5.3
NEIC IX 11 01 08 10.1–1.3 41.68N 144.08E 30–8 5.0b,5.3
MOS IX 11 01 08 17.8–.83 42.96N 143.66E 45 5.2b,5.3
SZGRF IX 11 01 08 29.1 44.60N 142.61E 33 5.2b,5.3
ISC Event type fe.
IDC Error ellipse: s-maj=14.7km s-min=12.4km az=134.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.5km az=36.7.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.8km az=145.0. Recorded [2 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate.
MOS Error ellipse: s-maj=12.2km s-min=6.3km az=112.7.
SZGRF Hokkaido, Japan, region.

(224) Hokkaido region

ISC IX 11 01 24 49.3–1.3 41.76N–.04 144.28E–.09 25–8 4.2b 87 1-86
IDC IX 11 01 24 45.4–.79 41.71N 144.19E 0 4.1,4.0b **¶11910020**
BJI IX 11 01 24 46.7 41.91N 144.39E 24 5.2b,5.1s
ISCJB IX 11 01 24 47.8–1.6 41.67N–.04 144.33E–.09 31–11 4.2b,5.1s
MOS IX 11 01 24 47.6–1.1 41.66N 144.26E 30 4.4b,5.1s
JMA IX 11 01 24 49.1–.20 41.72N 144.27E 26–3 4.3,5.1s
NEIC IX 11 01 24 49.2–1.3 41.71N 144.27E 26–8 4.5b,5.1s
ISC Event type fe.
IDC Error ellipse: s-maj=19.8km s-min=15.9km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.7km az=24.2.
MOS Error ellipse: s-maj=12.0km s-min=8.2km az=100.4.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=6.6km az=127.0. Recorded [1 JMA] in southeastern Hokkaido.

(226) Near west coast of eastern Honshu

JMA IX 11 03 13 04.9–.10 37.73N 138.84E 10–2 2.1 ¶15172684
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC IX 11 03 14 02.3–.16 36.48N–.02 141.08E–.03 44 4.8b,4.8s 410 0-147
BJI IX 11 03 13 58.0 36.53N 141.36E 39 5.3b,4.9b **¶13732078**
SZGRF IX 11 03 13 58.6 36.80N 141.34E 44 4.9b,4.9b
ISCJB IX 11 03 14 00.4–.16 36.46N–.02 141.12E–.03 42 4.8b,4.8s
JMA IX 11 03 14 00.9–.10 36.45N 141.11E 47–2 4.6,4.8s
NIED IX 11 03 14 00 36.50N 141.10E 35 4.6W,4.8s
IDC IX 11 03 14 01.2–2.5 36.43N 141.07E 37–21 4.8L,4.6
MOS IX 11 03 14 01.0–.78 36.78N 140.97E 33 5.1b,4.8s
NEIC IX 11 03 14 01.7–.63 36.47N 141.08E 38–5 4.9b,4.6W
ISC Event type fe.
SZGRF Near east coast of eastern Honshu, Japan.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.8km az=158.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s200.00000°,δ18.00000°,λ95.00000°. NP2: ϕ_s15.00000°,δ72.00000°,λ88.00000°. Principal axes: T Plg63.0000°,Azm282.0000° ; N Plg2.0000°,Azm15.0000°; P Plg27.0000°,Azm106.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ76.00000°,λ92.00000°. NP2:ϕ_s203.00000°,δ14.00000°,λ81.00000°. $M_0$9.92000×10^{15}
IDC Error ellipse: s-maj=12.5km s-min=11.0km az=110.0.
MOS Error ellipse: s-maj=7.8km s-min=4.7km az=107.3.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=151.0. Recorded [2 JMA] in Chiba, Fukushima, Ibaraki and Tochigi; [1 JMA] in Gumma, Miyagi and Saitama. Moment Tensor Solution. $M_0$9.90000×10^{15}

(224) Hokkaido region

ISC IX 11 04 01 00.6–.82 41.87N–.03 144.16E–.04 30–5 4.8b,4.8s 356 1-152
NIED IX 11 04 00 00 41.70N 144.30E 8 4.8W,4.8s **¶13394050**
IDC IX 11 04 00 54.7–.53 41.76N 144.32E 0 4.5,4.5
MOS IX 11 04 00 57.7–1.0 41.69N 144.17E 28 5.2b,4.5
JMA IX 11 04 00 58.6–.20 41.74N 144.32E 28–3 4.8,4.5
ISCJB IX 11 04 00 58.3–1.0 41.77N–.03 144.18E–.04 28–7 4.8b,4.8s
BJI IX 11 04 00 59.4 41.91N 144.02E 31 5.1b,4.9b
NEIC IX 11 04 00 59.6–1.9 41.79N 144.13E 24–13 4.9b,4.8W
SZGRF IX 11 04 01 04.0 43.21N 144.32E 33 5.0b,4.8W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ80.00000°,λ67.00000°. NP2:ϕ_s88.00000°,δ25.00000°,λ156.00000°. $M_0$2.10000×10^{16}
IDC Error ellipse: s-maj=15.8km s-min=12.3km az=128.0.
MOS Error ellipse: s-maj=8.1km s-min=4.9km az=107.9.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.7km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.7km az=153.0. Recorded [1 JMA] in southeastern Hokkaido. Moment Tensor Solution. $M_0$2.10000×10^{16}
SZGRF Hokkaido, Japan, region.

(224) Hokkaido region

ISC IX 11 04 57 02.6–.80 41.75N–.03 144.18E–.02 27–5 4.9b,4.6s 545 1-154
IDC IX 11 04 56 58.0–.43 41.74N 144.21E 0 4.8,4.8 **¶14099207**
NIED IX 11 04 57 00 41.70N 144.30E 20 4.8W,4.8
ISCJB IX 11 04 57 00.6–.79 41.69N–.03 144.18E–.02 27–5 4.9b,4.6s
BJI IX 11 04 57 00.5 41.80N 144.11E 23 5.0b,5.0b
JMA IX 11 04 57 01.7–.20 41.72N 144.28E 27–3 4.9,5.0b
MOS IX 11 04 57 01.9–.96 41.78N 144.14E 34 5.2b,4.5s
NEIC IX 11 04 57 02.3–.90 41.72N 144.16E 26–6 5.0b,4.7W
SZGRF IX 11 04 57 16.6 43.65N 142.90E 33 5.1b,4.7W
ISC Event type fe.
IDC Error ellipse: s-maj=13.0km s-min=11.0km az=129.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ67.00000°,λ50.00000°. NP2:ϕ_s86.00000°,δ45.00000°,λ147.00000°. $M_0$1.62000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=161.3.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=7.2km s-min=4.6km az=107.3.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=155.0. Recorded [2 JMA] in southeastern Hokkaido. Moment Tensor Solution. $M_0$1.60000×10^{16}
SZGRF Hokkaido, Japan, region.

(228) Near east coast of eastern Honshu

ISC IX 11 09 01 52.0–1.2 37.41N–.04 141.42E–.08 33–5 22 0-3
NIED IX 11 09 01 00 37.40N 141.30E 53 3.6W **¶11747686**
ISCJB IX 11 09 01 51.8–1.1 37.41N–.04 141.42E–.08 33–29 3.6W
JMA IX 11 09 01 52.8–.10 37.42N 141.30E 47–1 3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ89.00000°,λ-172.00000°. NP2:ϕ_s184.00000°,δ82.00000°,λ-1.00000°. $M_0$2.78000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=5.7km az=21.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s205.00000°,δ18.00000°,λ22.00000°. NP2:ϕ_s94.00000°,δ83.00000°,λ107.00000°. Principal axes: T Plg49.0000°,Azm22.0000°; N Plg17.0000°,Azm272.0000°; P Plg36.0000° ,Azm169.0000°

(307) Sichuan

ISC IX 11 10 30 22.8–.69 31.30N–.02 103.85E–.04 15–4 4.3b,3.5s 95 0-90
IDC IX 11 10 30 19.8–.77 31.29N 103.81E 0 4.5,4.4 **¶11265503**
BJI IX 11 10 30 21.8 31.22N 103.87E 14 4.6b,4.6b
NEIC IX 11 10 30 21.7–.38 31.27N 103.82E 10 4.2b,4.6b
MOS IX 11 10 30 22.7–.95 31.20N 103.83E 33 4.7b,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=30.3km s-min=15.0km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=6.6km az=219.0. Felt at Leshan.
MOS Error ellipse: s-maj=15.8km s-min=7.9km az=94.8.

(441) Ontario

ISC IX 11 11 21 47.3–.20 46.55N–.01 81.02W–.02 0 3.7b 210 0-25
ISCJB IX 11 11 21 45.0–.22 46.56N–.02 81.07W–.02 0 3.7b **¶11343881**
IDC IX 11 11 21 48.6–.80 46.61N 80.95W 0 4.2,4.1
NEIC IX 11 11 21 49.2 46.48N 81.04W 1 3.8,3.6b
OTT IX 11 11 21 49.2–.13 46.48N 81.04W 1 3.8,3.6b
ISC Event type fr.
ISCJB Event type fr. Error ellipse: s-maj=2.3km s-min=2.0km az=135.9.
IDC Error ellipse: s-maj=12.2km s-min=9.8km az=64.0.
NEIC Event type fr. Possible rockburst at a mine near Sudbury. Felt in the Sudbury area. After OTT.
OTT Event type fr. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. Mining related event, Sudbury, Ontario Felt. Mining induced.

(162) South Island

WEL IX 11 11 46 04.0–.21 44.49S 168.29E 12 4.3L ¶11391884
WEL Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=90.0. Felt from Otago to Fiordland, maximum reported intensity MM 4.

(45) California-Baja California border region

ISC IX 11 14 52 25.8–.29 32.72N–.02 116.03W–.02 12–2 64 0-4
ISCJB IX 11 14 52 25.7–.32 32.72N–.02 116.03W–.02 12–2 **¶11265505**
NEIC IX 11 14 52 26.6 32.70N 116.07W 10 3.5L,3.4L
ECX IX 11 14 52 27.0–.67 32.70N 116.05W 3–1 3.5L,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=3.1km az=11.1.
NEIC Event type fe. Felt at Ocotillo. After PAS.
ECX Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0. Moment Tensor Solution. NP1: ϕ_s245.00000°,δ65.00000°,λ-90.00000°.

(228) Near east coast of eastern Honshu

ISC IX 11 16 03 49.4–.47 40.72N–.03 142.83E–.06 55–5 3.8b 69 1-74
NIED IX 11 16 03 00 40.70N 142.80E 83 4.0W **¶11747696**
MOS IX 11 16 03 45.4–1.6 40.60N 142.94E 33 4.4b
ISCJB IX 11 16 03 48.3–.51 40.71N–.03 142.82E–.07 64–5 3.8b
JMA IX 11 16 03 49.1–.10 40.71N 142.79E 43 4.2
IDC IX 11 16 03 49.4–2.3 40.70N 142.92E 62–21 3.7,3.5
NEIC IX 11 16 03 49.6–.82 40.69N 142.93E 64–7 4.2b,3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s325.00000°,δ68.00000°,λ88.00000°. NP2:ϕ_s149.00000°,δ22.00000°,λ94.00000°. $M_0$1.26000×10^{15}
MOS Error ellipse: s-maj=14.6km s-min=8.5km az=77.9.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=3.7km az=29.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s176.00000°,δ19.00000°,λ64.00000°. NP2: ϕ_s23.00000°,δ73.00000°,λ98.00000°. Principal axes: T Plg61.0000°,Azm305.0000° ; N Plg8.0000°,Azm200.0000°; P Plg28.0000°,Azm106.0000°
IDC Error ellipse: s-maj=23.8km s-min=13.0km az=105.0.
NEIC Event type fe. Error ellipse: s-maj=14.4km s-min=7.1km az=112.0. Recorded [1 JMA] in Aomori. Also recorded [1 JMA] in southwestern Hokkaido.

(123) Northern Chile

ISC IX 11 17 11 34.8–.17 19.75S–.03 69.12W–.04 108 5.0b 437 1-172
ISCJB IX 11 17 11 32.9–.17 19.71S–.02 69.14W–.04 106 5.0b **¶11265506**
GUC IX 11 17 11 33.5–.86 19.73S 69.37W 108–9 5.3L
IDC IX 11 17 11 34.8–.43 19.58S 69.11W 107–3 4.6,4.6
NEIC IX 11 17 11 34.6–.16 19.65S 69.05W 106 5.1b,4.6
BJI IX 11 17 11 35.6 19.60S 69.10W 106 5.1b,4.6
GCMT IX 11 17 11 37.4–.20 19.80S 69.46W 124–1 5.3W,4.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.4km az=171.8.
GUC Error ellipse: s-maj=4.8km s-min=12.1km az=-1.0.
IDC Error ellipse: s-maj=14.2km s-min=9.8km az=54.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.9km az=59.0. Felt [III] at Alto Hospicio, Camina, Colchane, Huara, Iquique, Pica and Pozo Almonte; [II] at Arica.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c106; s87,c145; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s176.00000°,δ28.00000°,λ-80.00000°. NP2:ϕ_s345.00000° ,δ62.00000°,λ-95.00000°. Principal axes: T 1.0600,Plg17.0000°,Azm79.0000° ; N -0.1100,Plg5.0000°,Azm348.0000°; P -0.9500,Plg72.0000°,Azm242.0000° $M_0$1.00000×10^{17}

(224) Hokkaido region

ISC IX 11 22 34 46.1–.08 42.43N–.02 144.55E–.02 43 5.1b,4.6s 1039 1-154
NIED IX 11 22 34 00 42.40N 144.80E 29 4.9W,4.6s **¶13394136**
DJA IX 11 22 34 41 42.46N 144.85E 10 5.5b,4.6s
IDC IX 11 22 34 43.5–3.5 42.42N 144.64E 26–23 4.9,4.9
SKHL IX 11 22 34 43.8–.80 42.30N 144.60E 40–9 5.7s,5.6
MOS IX 11 22 34 43.9–.90 42.40N 144.56E 41 5.3b,4.6s
ISCJB IX 11 22 34 44.0–.08 42.39N–.02 144.56E–.02 41 5.1b,4.6s
JMA IX 11 22 34 44.0 42.39N 144.74E 42–1 5.2,4.6s
BJI IX 11 22 34 44.1 42.45N 144.53E 42 5.2b,5.1b
NEIC IX 11 22 34 45.7–.31 42.42N 144.55E 41–2 5.1b,4.9W
GCMT IX 11 22 34 46.8–.30 42.43N 144.62E 33–0 5.0W,4.9W
SZGRF IX 11 22 35 06.3 45.40N 141.27E 42 5.1b,4.9W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s264.00000°,δ62.00000°,λ-76.00000°. NP2:ϕ_s55.00000°,δ31.00000°,λ-115.00000°. $M_0$2.87000×10^{16}
IDC Error ellipse: s-maj=12.8km s-min=10.6km az=98.0.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=4.1km az=101.5. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.5km az=152.5.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=154.0. Recorded [3 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori. Moment Tensor Solution. $M_0$2.90000×10^{16}
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s41,c59; s75,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.81±.19 $M_{\theta\theta}$3.45±.11; $M_{\phi\phi}$0.36±.11; $M_{r\theta}$1.87±.12; $M_{\theta\phi}$0.88±.08; $M_{\phi r}$-0.92±.11; Best double couple: NP1:ϕ_s61.00000°,δ35.00000°,λ-116.00000°. NP2:ϕ_s272.00000°,δ59.00000°,λ-72.00000°. Principal axes: T 4.0200,Plg12.0000° ,Azm350.0000°; N 0.4900,Plg15.0000°,Azm83.0000°; P -4.5100,Plg71.0000°,Azm222.0000° $M_0$4.30000×10^{16}
SZGRF Hokkaido, Japan, region.

(224) Hokkaido region

ISC IX 12 00 39 56.4–.66 42.36N–.04 144.75E–.06 43–6 3.8b 61 1-65
NIED IX 12 00 39 00 42.40N 144.70E 35 3.8W **¶11747699**
IDC IX 12 00 39 51.1–1.2 42.43N 144.79E 0 3.9,3.8b
ISCJB IX 12 00 39 55.0–.68 42.31N–.04 144.75E–.06 51–5 3.8b,3.8b
MOS IX 12 00 39 55.2–1.0 42.28N 144.67E 52 4.2b,3.8b
JMA IX 12 00 39 56.1 42.38N 144.74E 42–1 4.0,3.8b
NEIC IX 12 00 39 57.1–1.1 42.37N 144.65E 49–10 4.1b,3.8b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ72.00000°,λ-147.00000°. NP2:ϕ_s310.00000°,δ59.00000°,λ-22.00000°. $M_0$5.00000×10^{14}
IDC Error ellipse: s-maj=25.6km s-min=17.6km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.9km az=43.8.
MOS Error ellipse: s-maj=13.7km s-min=10.1km az=89.4.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=12.1km s-min=9.6km az=104.0. Recorded [1 JMA] in southeastern Hokkaido.

(235) Kyushu

ISC IX 12 01 24 09.6–.49 32.90N–.07 131.43E–.07 101–4 3.5b 21 0-56
IDC IX 12 01 23 58.7–1.2 32.50N 130.85E 0 4.2L,3.7 **¶11747700**
NIED IX 12 01 24 00 32.90N 131.40E 92 3.7W,3.7
ISCJB IX 12 01 24 08.4–.50 32.89N–.07 131.47E–.08 108–4 3.5b,3.7
NEIC IX 12 01 24 09.4–.68 32.73N 131.31E 100 3.8b,3.7
JMA IX 12 01 24 10.3–.10 32.90N 131.44E 96–1 3.5,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=40.9km s-min=22.6km az=64.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ58.00000°,λ64.00000°. NP2:ϕ_s249.00000°,δ40.00000°,λ125.00000°. M_o4.06000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=14.4km s-min=7.4km az=142.6.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=14.6km az=220.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(137) San Juan Province

ISC	**IX**	**12 03 20 34.9–.44**	**31.26S–.03**	**69.06W–.05**	**107–5**	**3.8b**	**58**	**1-153**
ISCJB	IX	12 03 20 33.9–.44	31.28S–.03	69.06W–.05	115–4	3.8b		¶11910086
IDC	IX	12 03 20 34.9–.98	31.30S	69.00W	108–8	3.7,3.6		
NEIC	IX	12 03 20 34.6–.38	31.28S	69.03W	107–4	4.1b,4.1		
GUC	IX	12 03 20 34.4–.66	31.29S	69.39W	150–0	4.1L,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.4km az=175.9.
IDC Error ellipse: s-maj=25.9km s-min=19.8km az=97.0.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.4km az=76.0. Felt [III] at San Juan.
GUC Error ellipse: s-maj=2.0km s-min=5.1km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**IX**	**12 08 08 59.3–.44**	**36.38N–.04**	**140.24E–.06**	**110–3**	**3.8b**	**39**	**0-76**
ISCJB	IX	12 08 08 58.2–.45	36.37N–.04	140.26E–.06	115–3	3.8b		¶11747704
JMA	IX	12 08 09 00.0–.10	36.39N	140.17E	104–1	3.5		
IDC	IX	12 08 09 00.0–1.6	36.30N	140.18E	117–14	3.5,3.4b		
NIED	IX	12 08 09 00	36.40N	140.20E	110	3.8W,3.4b		
NEIC	IX	12 08 09 00.0	36.39N	140.17E	104	4.1b,3.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.9km az=17.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=8.8km az=64.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ76.00000°,λ-104.00000°. NP2:ϕ_s53.00000°,δ20.00000°,λ-46.00000°. M_o5.07000×10^{14}
NEIC Event type se. After JMA.

(35) Near coast of northern California

ISC	**IX**	**12 13 04 04.2–.56**	**39.38N–.03**	**123.19W–.06**	**8–5**		**40**	**0-53**
ISCJB	IX	12 13 04 03.2–.57	39.41N–.03	123.12W–.06	3–6			¶11280312
IDC	IX	12 13 04 04.6–2.0	39.48N	123.31W	0	4.3s,4.3		
NEIC	IX	12 13 04 04.5	39.39N	123.28W	11	3.6W,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.4km az=160.3.
IDC Error ellipse: s-maj=25.0km s-min=10.4km az=61.0.
NEIC Event type fe. Felt [IV] at Willits. Also felt at Albion, Comptche, Mendocino and Redwood Valley. After NCEDC. Moment Tensor Solution. M_o3.60000×10^{14}

(249) Luzon

ISC	**IX**	**12 16 33 57.3–.43**	**13.11N–.03**	**124.16E–.04**	**41–4**	**4.4b,3.9s**	**147**	**1-168**
BJI	IX	12 16 33 50.4	12.45N	124.11E	31	5.0b,4.6b		¶11265537
MAN	IX	12 16 33 54	13.13N	124.07E	20	5.9b,4.9s		
MOS	IX	12 16 33 54.5–.99	13.06N	124.11E	33	4.9b,4.9s		
ISCJB	IX	12 16 33 55.7–.46	13.13N–.03	124.16E–.04	43–4	4.4b,3.9s		
NEIC	IX	12 16 33 56.4–.20	13.02N	124.10E	35	4.6b,3.9s		
IDC	IX	12 16 33 57.6–2.4	13.00N	124.09E	44–21	4.1,4.1		
DJA	IX	12 16 34 10	13.26N	123.79E	130	4.6b,4.1		

ISC Event type fe.
MAN Event type fe. INTENSITY III - LEGASPI CITY; INTENSITY II - IROSIN SORSOGON; LIGNON HILL LEGASPI CITY.
MOS Error ellipse: s-maj=13.6km s-min=7.7km az=120.1.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.9km az=152.9.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.6km az=59.0. Felt [III PIVS] at Legaspi and [II PIVS] at Irosin, Luzon.
IDC Error ellipse: s-maj=18.6km s-min=9.6km az=71.0.

(1) Central Alaska

ISC	**IX**	**12 19 50 39.5–.24**	**62.18N–.02**	**149.53W–.05**	**52–3**	**4.0b**	**120**	**1-146**
ISCJB	IX	12 19 50 38.4–.24	62.20N–.02	149.52W–.06	60–3	4.0b		¶11280317
IDC	IX	12 19 50 39.2–.77	62.30N	149.67W	58–6	3.9,3.7		
NEIC	IX	12 19 50 40.1	62.16N	149.43W	40	4.6b,4.0L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.8km az=3.0.
IDC Error ellipse: s-maj=12.5km s-min=10.7km az=121.0.
NEIC Event type fe. Felt at Chugiak, Palmer and Talkeetna. After AEIC.

(228) Near east coast of eastern Honshu

ISC	**IX**	**12 21 05 20.5–.43**	**34.62N–.04**	**140.85E–.05**	**68–2**	**4.0b**	**63**	**0-80**
NIED	IX	12 21 05 00	34.60N	141.00E	68	4.2W		¶11747715
IDC	IX	12 21 05 18.4–1.6	34.66N	140.96E	50–14	4.5L,3.9		
JMA	IX	12 21 05 18.6–.10	34.64N	140.92E	79–1	4.3,3.9		
NEIC	IX	12 21 05 18.6–1.0	34.72N	141.03E	53–8	4.3b,3.9		
ISCJB	IX	12 21 05 19.4–.45	34.63N–.04	140.85E–.05	76–2	4.0b,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s328.00000°,δ90.00000°,λ37.00000°. NP2:ϕ_s238.00000°,δ53.00000°,λ180.00000°. M_o2.51000×10^{15}
JMA Event type fe.
NEIC Event type fe. Recorded [1 JMA] in Shizuoka. Also recorded [1 JMA] on O-shima.
ISCJB Event type fe.

(259) Mindanao

ISC	**IX**	**12 22 46 05.3–1.4**	**8.48N–.05**	**126.8E–.10**	**67–12**	**3.8b**	**37**	**2-95**
MAN	IX	12 22 46 01	8.44N	126.89E	49	4.8b,3.7s		¶11910140
ISCJB	IX	12 22 46 04.3–1.4	8.48N–.05	126.8E–.10	76–12	3.8b,3.7s		
NEIC	IX	12 22 46 06.5–1.2	8.43N	126.61E	78–11	4.1b,3.7s		
IDC	IX	12 22 46 07.6–2.8	8.37N	126.54E	89–26	3.7,3.7		

ISC Event type fe.
MAN Event type fe. INTENSITY II - BISLIG SURIGAO DEL SUR.
ISCJB Event type fe. Error ellipse: s-maj=18.5km s-min=7.0km az=170.6.
NEIC Event type fe. Error ellipse: s-maj=17.7km s-min=5.6km az=72.0. Felt [II PIVS] at Bislig.
IDC Error ellipse: s-maj=36.4km s-min=13.7km az=72.0.

(272) Seram

ISC	**IX**	**13 00 04 05.9–.41**	**3.78S–.02**	**128.99E–.02**	**113–3**	**5.3b**	**444**	**1-162**
BJI	IX	13 00 03 59.0	4.33S	129.29E	110	5.6b,5.2b		¶12952032
NEIC	IX	13 00 04 04.2–.72	3.78S	128.96E	95–6	5.6W,5.5b		
ISCJB	IX	13 00 04 04.2–.43	3.79S–.02	128.99E–.02	113–4	5.3b,5.5b		
IDC	IX	13 00 04 05.4–.45	3.83S	128.85E	108–3	5.1,5.1		
MOS	IX	13 00 04 05.3–1.4	3.67S	128.86E	115	5.3b,4.6s		
DJA	IX	13 00 04 06	3.69S	129.06E	113	5.9W,4.6s		
TEH	IX	13 00 04 06.0	3.81S	128.94E	115	5.9W,4.6s		
GCMT	IX	13 00 04 07.0–.10	3.67S	128.95E	109–1	5.6W,4.6s		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=57.0. Felt [IV] at Amahai and Tehoru.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=139.8.
IDC Error ellipse: s-maj=9.8km s-min=5.5km az=66.0.
MOS Error ellipse: s-maj=9.6km s-min=5.6km az=110.8.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=223, per= 50. Moment Tensor Solution. s89,c157; s27,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}1.04±.04 $M_{\theta\theta}$2.08±.04; $M_{\phi\phi}$-3.12±.04; $M_{r\theta}$-1.30±.03; $M_{\theta\phi}$0.85±.04; $M_{\phi r}$-1.02±.03; Best double couple: NP1:ϕ_s311.00000°,δ57.00000°,λ18.00000°. NP2:ϕ_s211.00000°,δ75.00000°,λ146.00000°. Principal axes: T 3.2200,Plg35.0000°,Azm166.0000°; N 0.1900,Plg53.0000°,Azm9.0000° ; P -3.4100,Plg11.0000°,Azm264.0000° M_o3.30000×10^{17}

(244) Taiwan

ISC	**IX**	**13 02 58 37.2–.44**	**23.98N–.01**	**121.65E–.03**	**5–6**		**75**	**0-2**
NEIC	IX	13 02 58 37.0–1.3	24.00N	121.59E	10	3.8L		¶12952030
TAP	IX	13 02 58 36.8	23.99N	121.60E	7–0	3.4L		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=20.2km s-min=6.8km az=104.0. Recorded [4 TAP] in Hua-lien and [1 TAP] in I-lan and Nan-t'ou.
TAP B.

(227) Eastern Honshu

ISC	**IX**	**13 09 06 42.3–.49**	**37.26N–.03**	**139.03E–.05**	**17–4**	**3.2b**	**19**	**0-57**
IDC	IX	13 09 06 38.8–1.6	37.43N	139.13E	0	3.5,3.4L		¶11277499
ISCJB	IX	13 09 06 42.3–.52	37.26N–.03	139.02E–.05	17–6	3.2b,3.4L		
JMA	IX	13 09 06 42.9	37.26N	139.02E	9–1	3.1,3.4L		

ISC Event type fe.
IDC Error ellipse: s-maj=32.2km s-min=20.1km az=127.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=12.3.
JMA Event type fe.

(103) Colombia

ISC	**IX**	**13 09 32 02.1–.14**	**4.84N–.02**	**75.48W–.02**	**134**	**5.7b**	**1020**	**1-180**
BJI	IX	13 09 31 58.2	5.51N	75.39W	112	5.7b		¶13394259
BGS	IX	13 09 31 58.5–1.4	4.59N	75.82W	133–0	5.3b		
MOS	IX	13 09 31 58.3–.88	4.85N	75.56W	114	5.8b		
ISCJB	IX	13 09 32 00.5–.14	4.89N–.02	75.50W–.02	132	5.7b		
IDC	IX	13 09 32 01.7–.41	4.82N	75.59W	139–3	5.6,5.5		
NEIC	IX	13 09 32 01.5–.13	4.79N	75.52W	133	5.9b,5.7W		
GCMT	IX	13 09 32 06.1–.10	4.94N	75.48W	140–0	5.7W,5.7W		
SZGRF	IX	13 09 32 09.5	5.41N	74.11W	136	5.9b,5.7W		
CASC	IX	13 09 32 12.4–2.4	6.38N	75.71W	133–0	5.9b,5.0		

ISC Event type fe.
BGS Error ellipse: s-maj=301.4km s-min=232.7km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=92.7.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=13.8.
IDC Error ellipse: s-maj=10.5km s-min=8.4km az=25.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=201.0. Felt [V] at Armenia, [IV] at Pereira and [III] at Bogota, Cali, Envigado and Medellin. Also felt at Anserma, Ayapel, Barrancabermeja, Chia, Dos Quebradas, Manizales, Monteria, Palmira, Penol, Puerto Boyaca, Quibdo and Sincelejo. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s70 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$1.22 $M_{r\theta}$-4.16 $M_{\theta\phi}$0.61 $M_{\phi r}$-1.55 Best double couple: NP1:ϕ_s178.00000°,δ13.00000°,λ-157.00000°. NP2:ϕ_s66.00000° ,δ85.00000°,λ-78.00000°. Principal axes: T 4.3100,Plg38.0000°,Azm145.0000° ; N 0.5800,Plg11.0000°,Azm245.0000°; P -4.8800,Plg48.0000°,Azm349.0000° M_o4.60000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=109, comp=239, per= 50. Moment Tensor Solution. s105,c208; s43,c46; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.35±.05 $M_{\theta\theta}$0.87±.06; $M_{\phi\phi}$1.49±.06; $M_{r\theta}$-3.94±.04; $M_{\theta\phi}$0.23±.06; $M_{\phi r}$-1.00±.05; Best double couple: NP1:ϕ_s227.00000°,δ13.00000°,λ-115.00000°. NP2:ϕ_s72.00000°,δ79.00000°,λ-85.00000°. Principal axes: T 3.7700,Plg33.0000°,Azm158.0000°; N 1.3100,Plg5.0000°,Azm251.0000° ; P -5.0700,Plg56.0000°,Azm349.0000° M_o4.40000×10^{17}
SZGRF Colombia.
CASC Error ellipse: s-maj=99.9km s-min=26.0km az=-1.0.

(162) South Island

WEL	**IX**	**13 13 40 19.3–.24**	**45.01S**	**167.56E**	**70–2**	**4.5L**		**¶11391941**

WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=90.0. Felt from Otago to Southland, maximum reported intensity MM 4.

(238) Ryukyu Islands

JMA	**IX**	**13 13 52 55.9–.10**	**28.70N**	**129.47E**	**3**	**3.5**		**¶14100124**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.

(460) Wyoming

ISC	**IX**	**13 18 04 05.6–.33**	**43.76N–.02**	**105.28W–.03**	**0**		**89**	**1-61**
ISCJB	IX	13 18 04 04.2–.34	43.79N–.02	105.23W–.03	0			¶11910200
IDC	IX	13 18 04 04.9–2.0	43.66N	105.37W	0	3.8,3.7b		
NEIC	IX	13 18 04 05.5–.26	43.81N	105.24W	0	3.0L,3.7b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=3.5km s-min=2.7km az=163.7.
IDC Error ellipse: s-maj=62.3km s-min=8.2km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=3.8km s-min=3.3km az=140.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(238) Ryukyu Islands

ISC	**IX**	**13 20 21 36.4–.28**	**29.04N–.02**	**130.15E–.03**	**50–2**	**5.0s,4.9b**	**375**	**1-167**
NIED	IX	13 20 21 00	29.00N	129.90E	38	5.3W,4.9b		¶13394289
BJI	IX	13 20 21 29.6	28.74N	130.58E	45	5.2b,5.0s		
MOS	IX	13 20 21 32.8–1.1	29.10N	130.08E	33	5.1b,4.9s		
IDC	IX	13 20 21 32.3–3.3	29.07N	130.09E	19–20	4.8,4.8s		
DJA	IX	13 20 21 33	29.10N	130.30E	20	5.1b,4.8s		
JMA	IX	13 20 21 33.4–.30	29.02N	129.86E	82–4	5.1,4.8s		
SZGRF	IX	13 20 21 33.3	28.97N	130.82E	33	5.5s,5.3b		
ISCJB	IX	13 20 21 34.6–.32	29.02N–.02	130.18E–.03	49–2	5.0s,4.9b		
NEIC	IX	13 20 21 35.3–.56	29.08N	130.08E	40–5	5.3W,4.9b		
GCMT	IX	13 20 21 39.2–.10	28.90N	130.21E	38–0	5.3W,4.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ66.00000°,λ94.00000°. NP2:ϕ_s228.00000°,δ24.00000°,λ81.00000°. M_o1.03000×10^{17}
MOS Error ellipse: s-maj=8.5km s-min=5.6km az=108.8.
IDC Error ellipse: s-maj=15.8km s-min=12.8km az=86.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
SZGRF Ryukyu Islands, Japan.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=27.8.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=142.0. Recorded [3 JMA] on Amami-oshima; [2 JMA] on Akuseki-jima, Kikaiga-shima and Toku-no-shima; [1 JMA] on Nakano-shima. Moment Tensor Solution. M_o1.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s81,c148; s92,c168; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s212.00000°,δ34.00000°,λ74.00000°. NP2:ϕ_s50.00000° ,δ57.00000°,λ100.00000°. Principal axes: T 1.0700,Plg75.0000°,Azm350.0000° ; N 0.0700,Plg9.0000°,Azm225.0000°; P -1.1400,Plg12.0000°,Azm133.0000° M_o1.10000×10^{17}

(238) Ryukyu Islands

ISC	**IX**	**13 20 47 35.0–.49**	**28.99N–.04**	**130.12E–.07**	**48–5**	**3.8b**	**39**	**1-77**
NIED	IX	13 20 47 00	29.00N	130.00E	32	4.1W		¶11747727
IDC	IX	13 20 47 28.3–.83	29.03N	130.03E	0	3.9,3.8		
ISCJB	IX	13 20 47 33.7–.50	28.98N–.04	130.15E–.07	57–4	3.8b,3.8		
JMA	IX	13 20 47 33.6–.30	29.01N	130.00E	67–4	4.0,3.8		
NEIC	IX	13 20 47 35.2–.81	29.00N	130.16E	52–8	4.1b,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ77.00000°,λ66.00000°. NP2:ϕ_s293.00000°,δ27.00000°,λ149.00000°. M_o1.47000×10^{15}
IDC Error ellipse: s-maj=29.8km s-min=19.1km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=4.5km az=21.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.7km az=122.0.

(289) Timor region

ISC	**IX**	**14 00 00 09.9–.15**	**8.84S–.02**	**126.83E–.02**	**33**	**5.7b,5.5s**	**513**	**5-170**
BJI	IX	14 00 00 01.1	9.39S	127.41E	28	5.7b,5.7b		¶13394305
ISCJB	IX	14 00 00 07.6–.15	8.84S–.02	126.84E–.02	31	5.7b,5.5s		
MOS	IX	14 00 00 07.2–.95	8.27S	126.68E	10	5.8b,5.4s		
IDC	IX	14 00 00 07.3–1.6	8.72S	126.80E	12–9	5.5b,5.5		
NEIC	IX	14 00 00 09.1–.12	8.73S	126.86E	22	5.7b,5.5s		
TEH	IX	14 00 00 10.0	8.77S	126.92E	35	5.7b,5.5s		
DJA	IX	14 00 00 11	9.12S	126.88E	37	5.7W,5.5s		
GCMT	IX	14 00 00 12.4–.10	9.24S	127.18E	23–0	5.6W,5.5s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.8km az=11.1.
MOS Error ellipse: s-maj=10.4km s-min=6.5km az=103.0.
IDC Error ellipse: s-maj=14.4km s-min=9.1km az=60.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.8km az=49.0. Felt at Dili. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 96, comp=199, per= 50. Moment Tensor Solution. s96,c192; s43,c49; Moment tensor: Scale 10^{17}Nm; M_{rr}2.55±.05 $M_{\theta\theta}$-2.64±.04; $M_{\phi\phi}$0.09±.04; $M_{r\theta}$1.84±.07; $M_{\theta\phi}$-1.26±.03; $M_{\phi r}$1.55±.08; Best double couple: NP1:ϕ_s265.00000°,δ27.00000°,λ117.00000°. NP2:ϕ_s55.00000°,δ66.00000°,λ77.00000°. Principal axes: T 3.5300,Plg67.0000°,Azm301.0000°; N 0.4100,Plg12.0000°,Azm61.0000° ; P -3.9500,Plg20.0000°,Azm155.0000° M_o3.70000×10^{17}

(163) Cook Strait

ISC	**IX**	**14 09 25 11.9–.18**	**40.29S–.02**	**174.53E–.03**	**88–3**	**4.5b**	**165**	**1-157**
ISCJB	IX	14 09 25 11.0–.19	40.29S–.02	174.54E–.03	96–3	4.5b		¶11391964
NEIC	IX	14 09 25 11.3–.74	40.27S	174.58E	82–6	5.2L,4.7b		
IDC	IX	14 09 25 12.5–.67	40.12S	174.57E	90–5	4.4,4.3		
WEL	IX	14 09 25 12.2–.12	40.28S	174.53E	93–1	5.1L,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.7km az=25.0.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=8.6km az=98.0. Felt [IV] at Hawera, Karori, New Plymouth, Paraparaumu, Wanganui, Wellington, Westown and Whitby. Felt in the southern part of the North Island and the northern part of the South Island.
IDC Error ellipse: s-maj=15.2km s-min=9.9km az=151.0.
WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.3km az=90.0. Felt from Northland to Hawke''s Bay, maximum reported intensity MM. 6.

(227) Eastern Honshu
ISC IX 14 10 10 20.7–.49 39.06N–.03 140.88E–.04 5–5 3.3b 23 0-59
IDC IX 14 10 10 18.5–1.2 39.03N 141.04E 0 3.5,3.4 ¶11910248
ISCJB IX 14 10 10 20.0–.56 39.07N–.03 140.89E–.04 12–4 3.3b,3.4
JMA IX 14 10 10 20.5 39.05N 140.85E 6–1 3.4,3.4
ISC Event type fe.
IDC Error ellipse: s-maj=33.8km s-min=15.7km az=124.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.8km az=141.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s150.00000°,δ32.00000°,λ76.00000°. NP2:ϕ_s346.00000°,δ59.00000°,λ98.00000°. Principal axes: T Plg74.0000°,Azm278.0000°; N Plg7.0000°,Azm162.0000°; P Plg14.0000° ,Azm70.0000°
(377) Spain
ISC IX 14 14 03 38.7–.27 38.34N–.01 0.98W–.01 8–1 961 1-10
INMG IX 14 14 03 36.9–1.7 38.20N 0.63W 22–4 3.8L ¶11302747
ISCJB IX 14 14 03 36.4–.27 38.41N–.01 1.06W–.01 1–1 3.8L
CSEM IX 14 14 03 38.1–.09 38.32N 0.97W 2 4.0L
NEIC IX 14 14 03 39.1 38.27N 0.88W 0 3.8L,3.6L
SFS IX 14 14 03 39.0 38.26N 0.87W 4 3.5L,3.6L
CRAAG IX 14 14 03 39.6 39.20N 0.90W 3.5L,3.6L
LDG IX 14 14 03 39.5–.11 38.25N 0.87W 2–0 3.8L,3.6L
IGIL IX 14 14 03 39.4 38.27N 0.88W 4 3.5L,3.6L
MDD IX 14 14 03 40.0–.22 38.27N 0.89W 11–0 3.5,3.6L
CNRM IX 14 14 03 41.7 38.22N 0.68W 30 3.8,3.6L
STR IX 14 14 03 46.2–.39 38.75N 0.85W 10–0 3.8L,3.6L
ISC Event type fe.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=2.3km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=141.2.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=135.0.
NEIC Event type fe. Felt at Aspe, Crevillent, Molina de Segura, Santomera and Yecla. After MDD.
SFS Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=138.0.
MDD Event type fe. Error ellipse: s-maj=2.9km s-min=1.8km az=131.0. EMS: IV CREVILLENTE ALBATERA HOND DE LOS. PRIMO FRAILES III ELDA ELCHE ASPE PETRER MURCIA ABANILLA FORTUNA SANTOMERA II NOVELDA ALICANTE.
CNRM Event type ke.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
(227) Eastern Honshu
ISC IX 14 16 05 50.4–.45 38.90N–.03 140.94E–.04 8–3 3.9b 39 0-146
NIED IX 14 16 05 00 38.90N 141.00E 8 3.7W ¶11277540
ISCJB IX 14 16 05 50.1–.42 38.90N–.03 140.98E–.04 20–4 3.9b
JMA IX 14 16 05 50.4 38.90N 140.94E 8–1 3.9
IDC IX 14 16 05 55.9–2.2 38.89N 140.87E 55–20 3.8,3.6b
NEIC IX 14 16 05 55.2–.70 38.90N 140.79E 49–7 4.3b,3.6b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s255.00000°,δ47.00000°,λ89.00000°. NP2:ϕ_s76.00000°,δ43.00000°,λ91.00000°. $M_0$4.10000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.0km az=44.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s267.00000°,δ38.00000°,λ120.00000°. NP2:ϕ_s51.00000°,δ58.00000°,λ68.00000°. Principal axes: T Plg69.0000°,Azm274.0000°; N Plg18.0000°,Azm63.0000°; P Plg10.0000° ,Azm156.0000°
IDC Error ellipse: s-maj=20.4km s-min=12.3km az=114.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=6.4km az=119.0. Recorded [3 JMA] in Miyagi and [2 JMA] in Iwate.
(2) Southern Alaska
ISC IX 14 16 29 59.2–.26 61.81N–.02 150.96W–.06 64–3 4.0b 85 0-152
ISCJB IX 14 16 29 57.9–.26 61.82N–.02 150.96W–.06 71–3 3.9b ¶13394336
IDC IX 14 16 29 59.2–.66 61.94N 151.05W 66–6 3.9,3.8
NEIC IX 14 16 29 59.8 61.76N 150.95W 61 4.2L,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.9km az=6.1.
IDC Error ellipse: s-maj=11.8km s-min=8.7km az=100.0.
NEIC Event type fe. Felt [II] at Anchorage. Also felt at Wasilla. After AEIC.
(123) Northern Chile
ISC IX 14 16 45 31.2–.50 22.73S–.04 69.45W–.06 57–4 4.2b,3.4s 120 1-155
ISCJB IX 14 16 45 30.1–.53 22.72S–.04 69.44W–.06 65–4 4.1b,3.4s ¶11910275
GUC IX 14 16 45 30.9–1.2 22.67S 69.53W 65–15 4.5L,4.2
NEIC IX 14 16 45 30.9 22.67S 69.53W 65 4.2b,4.2
IDC IX 14 16 45 31.7–.51 22.73S 69.42W 67–4 4.0,4.0
BJI IX 14 16 45 36.9 22.70S 69.50W 65 4.0,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=6.2km az=165.4.
GUC Error ellipse: s-maj=5.1km s-min=8.7km az=-1.0.
NEIC Event type fe. Felt [III] at Chuquicamata. After GUC.
IDC Error ellipse: s-maj=18.3km s-min=16.2km az=58.0.
(460) Wyoming
ISC IX 14 19 50 00.6–.38 43.58N–.02 105.29W–.04 0 78 1-62
IDC IX 14 19 49 57.6–2.8 43.19N 105.19W 0 3.8b,3.8 ¶11910285
ISCJB IX 14 19 49 59.5–.40 43.61N–.02 105.25W–.04 0 3.8b,3.8
NEIC IX 14 19 50 01.0–.46 43.62N 105.25W 0 3.0L,3.8
ISC Event type fm.
IDC Error ellipse: s-maj=63.3km s-min=9.5km az=157.0.
ISCJB Event type fm. Error ellipse: s-maj=4.0km s-min=2.4km az=166.5.
NEIC Event type fm. Error ellipse: s-maj=6.8km s-min=5.8km az=163.0. 75 km [50 miles] SSE of Gillette. Suspected Mining explosion.
(224) Hokkaido region
ISC IX 15 07 53 01.0–.81 41.78N–.03 144.07E–.03 23–5 5.1b,4.6s 548 1-154
IDC IX 15 07 52 56.4–.43 41.70N 144.17E 0 4.9b,4.9 ¶11277568
ISCJB IX 15 07 52 58.4–.81 41.73N–.03 144.06E–.03 18–5 5.1b,4.6s
DJA IX 15 07 52 59 41.74N 144.25E 10 5.3b,4.6s
BJI IX 15 07 53 00.6 41.80N 143.94E 30 5.2b,5.2b
JMA IX 15 07 53 00.3–.20 41.73N 144.27E 27–3 4.9,5.2b
NIED IX 15 07 53 00 41.70N 144.30E 23 4.9W,5.2b
NEIC IX 15 07 53 01.6–1.4 41.72N 144.07E 30–9 5.0b,4.9W
MOS IX 15 07 53 02.8–.93 42.25N 143.96E 33 5.4b,4.7s
GCMT IX 15 07 53 04.4–.40 41.62N 144.28E 22–2 4.9W,4.7s
SZGRF IX 15 07 53 06.5 42.64N 144.90E 33 5.3b,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=12.9km s-min=11.7km az=127.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=152.4.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ86.00000°,λ13.00000°. NP2:ϕ_s95.00000°,δ77.00000°,λ176.00000°. $M_0$2.45000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.3km az=160.0. Recorded [2 JMA] in southeastern Hokkaido. Moment Tensor Solution. $M_0$2.50000×10^{16}
MOS Error ellipse: s-maj=7.2km s-min=4.3km az=110.6.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s23,c26; s57,c78; Moment tensor: Scale 10^{16}Nm; M_{rr}1.25±.19 $M_{\theta\theta}$-0.63±.12; $M_{\phi\phi}$-0.63±.13; $M_{r\theta}$2.39±.36; $M_{\theta\phi}$-1.62±.10; $M_{\theta r}$1.47±.25; Best double couple: NP1:ϕ_s198.00000°,δ20.00000°,λ49.00000°. NP2:ϕ_s60.00000°,δ75.00000°,λ103.00000°. Principal axes: T 2.9100,Plg58.0000° ,Azm348.0000°; N 0.8400,Plg13.0000°,Azm237.0000°; P -3.7600,Plg29.0000° ,Azm139.0000° $M_0$3.30000×10^{16}
SZGRF Hokkaido, Japan, region.
(396) Northern Algeria
ISC IX 15 10 34 54.2–.31 36.98N–.02 4.17E–.03 10 270 1-10
CRAAG IX 15 10 34 52.7 37.00N 4.07E 4.0L ¶11302757
ISCJB IX 15 10 34 53.0–.30 37.06N–.02 4.18E–.03 10 4.0L
CSEM IX 15 10 34 53.3–.17 36.94N 4.26E 2 4.0L
NEIC IX 15 10 34 54.5–.77 36.97N 4.32E 10 4.0
MDD IX 15 10 34 55.5–1.3 36.96N 4.11E 30–14 4.3b
LDG IX 15 10 34 57.1–.34 37.00N 3.96E 30–0 3.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.9km az=139.4.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=37.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.8km az=165.0.
MDD Event type fe. Error ellipse: s-maj=7.6km s-min=6.4km az=25.0. EMS: IV INTENSIDAD MAXIMA-CRAAG. PRIMO.
LDG Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=129.0.
(238) Ryukyu Islands
ISC IX 15 13 10 36.5–.41 28.02N–.06 129.09E–.08 49–6 3.6b 32 0-91
IDC IX 15 13 10 31.3–1.1 27.69N 129.40E 0 3.9,3.7b ¶11910330
NEIC IX 15 13 10 32.8–8.2 27.71N 129.51E 8–53 3.7,3.7b
ISCJB IX 15 13 10 35.6–.41 28.02N–.05 129.10E–.08 57–6 3.6b,3.7b
JMA IX 15 13 10 35.6–.10 28.14N 128.98E 49–2 3.4,3.7b
ISC Event type fe.
IDC Error ellipse: s-maj=56.3km s-min=21.6km az=85.0.
NEIC Event type se. Error ellipse: s-maj=34.0km s-min=13.6km az=109.0.
ISCJB Event type fe. Error ellipse: s-maj=13.8km s-min=3.7km az=37.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
(572) Lake Tanganyika region
ISC IX 15 15 50 51.6–2.4 4.98S–.03 30.13E–.05 10–14 4.7b,4.5s 237 8-163
ISCJB IX 15 15 50 49.5–.18 4.95S–.03 30.09E–.05 10 4.7b,4.5s ¶13394387
MOS IX 15 15 50 49.6–.92 4.94S 30.15E 10 4.9b,4.4s
IDC IX 15 15 50 49.8–.43 4.97S 30.07E 0 4.7L,4.4
BJI IX 15 15 50 49.0 5.00S 30.10E 10 5.1s,5.1b
NEIC IX 15 15 50 51.5–.22 4.98S 30.15E 10 4.8b,5.1b
GCMT IX 15 15 50 58.4–.30 4.93S 29.90E 29–1 5.2W,5.1b
DJA IX 15 15 51 00 5.81S 31.38E 10 5.3b,5.1b
SZGRF IX 15 15 51 15.0 2.07S 30.37E 38 4.8b,4.3s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.8km az=5.8.
MOS Error ellipse: s-maj=11.9km s-min=5.6km az=87.6.
IDC Error ellipse: s-maj=18.4km s-min=9.3km az=94.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.0km az=80.0. Felt at Kigoma. Also felt at Bujumbura, Burundi and Kigali, Rwanda.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s40,c58; s81,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}0.01±.20 $M_{\theta\theta}$-6.50±.17; $M_{\phi\phi}$6.49±.19; $M_{r\theta}$-0.08±.30; $M_{\theta\phi}$0.76±.16; $M_{\theta r}$-1.20±.32; Best double couple: NP1:ϕ_s138.00000°,δ83.00000°,λ173.00000°. NP2:ϕ_s229.00000°,δ83.00000°,λ7.00000°. Principal axes: T 6.7500,Plg10.0000° ,Azm93.0000°; N -0.2000,Plg80.0000°,Azm273.0000°; P -6.5500,Plg0.0000°,Azm3.0000° $M_0$6.70000×10^{16}
SZGRF Lake Tanganyika region.
(229) Off east coast of Honshu
ISC IX 15 23 07 46.6–1.6 38.00N–.03 142.80E–.05 25–12 4.1b,3.4s 69 1-145
NIED IX 15 23 07 00 38.00N 142.80E 8 4.2W,3.4s ¶13394408
IDC IX 15 23 07 43.8–.67 37.92N 142.86E 0 4.1,4.1
JMA IX 15 23 07 44.8–.20 37.99N 142.84E 27–3 4.6,4.1
ISCJB IX 15 23 07 45.9–.88 37.99N–.04 142.87E–.06 36–7 4.1b,3.4s
NEIC IX 15 23 07 48.6–1.1 38.04N 142.49E 38–9 4.3b,3.4s
BJI IX 15 23 07 49.5 38.72N 142.51E 6 4.6b,4.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s192.00000°,δ47.00000°,λ106.00000°. NP2:ϕ_s349.00000°,δ46.00000°,λ74.00000°. $M_0$2.06000×10^{15}
IDC Error ellipse: s-maj=17.7km s-min=17.3km az=135.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.5km az=29.3.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=7.7km az=130.0. Recorded [1 JMA] in Miyagi.
(238) Ryukyu Islands
ISC IX 16 03 19 58.4–.82 29.63N–.08 130.0E–.20 34–10 4.2b 16 0-61
NIED IX 16 03 19 00 29.60N 130.10E 8 4.0W ¶11747748
ISCJB IX 16 03 19 57.5–1.4 29.59N–.08 130.1E–.20 31–15 4.2b
IDC IX 16 03 19 57.0–1.4 29.32N 130.41E 0 4.4,4.1b
JMA IX 16 03 19 57.6–.10 29.60N 130.09E 30–3 4.0,4.1b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s302.00000°,δ53.00000°,λ-91.00000°. NP2:ϕ_s124.00000°,δ37.00000°,λ-89.00000°. $M_0$1.07000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=34.1km s-min=6.4km az=21.5.
IDC Error ellipse: s-maj=69.3km s-min=21.2km az=98.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
(289) Timor region
ISC IX 16 11 15 40.8–.14 8.85S–.02 126.88E–.02 39 5.8b,5.4s 561 5-172
BJI IX 16 11 15 32.2 9.44S 127.40E 35 5.8b,5.8b ¶13394444
IDC IX 16 11 15 35.2–.31 8.72S 126.91E 0 5.6,5.6b
ISCJB IX 16 11 15 38.7–.14 8.86S–.02 126.87E–.02 37 5.8b,5.4s
MOS IX 16 11 15 41.5–1.0 8.13S 126.72E 33 6.0b,5.3s
NEIC IX 16 11 15 41.3–.10 8.78S 126.84E 35 5.9b,5.7W
DJA IX 16 11 15 42.7–.20 9S–2.0 127E–1.0 54–3 6.2,6.1b
TEH IX 16 11 15 42.0 8.83S 126.83E 44 6.2,6.1b
GCMT IX 16 11 15 42.2–.10 9.07S 127.05E 18–0 5.7W,6.1b
ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=9.0km az=46.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=21.4.
MOS Error ellipse: s-maj=9.9km s-min=6.1km az=109.2.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=40.0. Felt at Dili.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=245, per= 50. Moment Tensor Solution. s97,c198; s62,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}3.63±.05 $M_{\theta\theta}$-3.45±.04; $M_{\phi\phi}$-0.19±.04; $M_{r\theta}$2.49±.10; $M_{\theta\phi}$-1.45±.03; $M_{\theta r}$1.04±.10; Best double couple: NP1:ϕ_s251.00000°,δ27.00000°,λ92.00000°. NP2:ϕ_s68.00000°,δ63.00000°,λ89.00000°. Principal axes: T 4.4900,Plg72.0000°,Azm335.0000°; N 0.3600,Plg1.0000°,Azm69.0000° ; P -4.8600,Plg18.0000°,Azm159.0000° $M_0$4.70000×10^{17}
(90) Puerto Rico region
ISC IX 16 11 31 24.1–1.5 19.14N–.03 66.21W–.03 30–13 3.9b 58 1-161
ISCJB IX 16 11 31 24.3–.74 19.10N–.07 66.15W–.03 47–10 3.9b ¶11277603
RSPR IX 16 11 31 25.0 19.08N 66.12W 8–1 3.8
IDC IX 16 11 31 25.3–1.8 19.03N 66.25W 44–21 4.0,3.8
NEIC IX 16 11 31 25.0 19.08N 66.12W 8 3.8,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=4.1km az=179.9.
RSPR Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=13.5km az=172.0.
NEIC Event type fe. Felt at Arecibo, Rio Piedras and San Juan. After RSPR.
(224) Hokkaido region
ISC IX 16 16 20 03.3–.36 42.54N–.04 143.54E–.05 51–4 3.8b,3.0s 56 0-86
NIED IX 16 16 20 00 42.50N 143.50E 50 4.0W,3.0s ¶11747756
MOS IX 16 16 20 01.3–1.3 42.54N 143.45E 52 4.3b,3.0s
ISCJB IX 16 16 20 02.0–.36 42.51N–.04 143.56E–.05 59–3 3.8b,3.0s
NEIC IX 16 16 20 02.7–.55 42.56N 143.63E 51 3.8b,3.0s
JMA IX 16 16 20 03.0–.10 42.52N 143.47E 55–1 4.0,3.0s
IDC IX 16 16 20 03.4–.87 42.51N 143.53E 53–8 3.8,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s298.00000°,δ64.00000°,λ-135.00000°. NP2:ϕ_s184.00000°,δ51.00000°,λ-35.00000°. $M_0$1.26000×10^{15}
MOS Error ellipse: s-maj=23.5km s-min=9.5km az=66.6.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.0km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=17.5km s-min=8.2km az=120.0. Recorded [2 JMA] in southeastern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=18.8km s-min=16.4km az=109.0.
(159) North Island
ISC IX 16 20 30 09.2–.29 38.82S–.02 175.94E–.03 7–3 4.2b 81 0-154
ISCJB IX 16 20 30 09.1–.29 38.82S–.02 175.92E–.03 10–2 4.2b ¶11392012
WEL IX 16 20 30 09.3–.13 38.81S 175.87E 5 4.5L
IDC IX 16 20 30 09.2–.73 38.84S 175.94E 0 4.3,4.2b
NEIC IX 16 20 30 09.3 38.81S 175.87E 5 4.4b,4.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=35.2.
WEL Event type fe. Error ellipse: s-maj=1.8km s-min=1.1km az=90.0. Felt between Waikato, King Country and Taupo, maximum reported intensity MM. 5. Difficult to get a reasonable fit.
IDC Error ellipse: s-maj=25.1km s-min=10.3km az=150.0.
NEIC Event type fe. Felt at Taupo and Wairakei. After WEL.
(159) North Island
WEL IX 16 21 27 02.7–.08 38.85S 175.97E 5 3.5L ¶11392016
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.7km az=90.0. Felt in the Taupo region, maximum reported intensity MM 4.
(314) Southern India
ISC IX 16 21 47 13.4–.68 17.39N–.02 73.87E–.02 1–4 4.9b,4.2s 354 0-151
BJI IX 16 21 47 10.0 17.10N 73.52E 10 4.9b,4.9b ¶13394470
IDC IX 16 21 47 13.7–.48 17.44N 73.83E 0 4.7,4.7
NEIC IX 16 21 47 14.5–.25 17.44N 73.92E 10 5.0b,4.7

ISCJB	IX	16 21 47 14.2–.67	17.39N–.03	73.78E–.03	18–4	4.8b,4.2s		
NDI	IX	16 21 47 15.0–8.1	17.40N	73.76E	15–29	5.0L,5.0b		
MOS	IX	16 21 47 16.3–1.2	17.34N	73.77E	33	5.0b,4.1s		
SZGRF	IX	16 21 47 16.0	16.10N	72.83E	33	4.8b,3.6s		
DJA	IX	16 21 47 20	17.40N	73.87E	20	4.9b,3.6s		

ISC Event type de.
IDC Error ellipse: s-maj=16.0km s-min=11.9km az=20.0.
NEIC Event type de. Error ellipse: s-maj=6.2km s-min=5.2km az=179.0. One person killed in the Daund area. At least 20 people injured, over 1,500 buildings damaged and several roads damaged by rockfalls in Satara. Buildings also damaged at Bombay. Felt [V] at Dabhol and Pune; [IV] at Bombay, Candolim, Karad, Madgaon, Mahabaleshwar, Panchgani, Pilerne, Ratnagiri and Vasco da Gama. Felt [II] in Panaji. Felt in most of western Maharashtra. Also felt in Goa and northern Karnataka.
ISCJB Event type de. Error ellipse: s-maj=4.3km s-min=4.0km az=40.1.
NDI Error ellipse: s-maj=25.0km s-min=31.8km az=-1.0.
MOS Error ellipse: s-maj=8.7km s-min=4.7km az=116.3.
SZGRF Arabian Sea.

(224) Hokkaido region

ISC	**IX**	**17 02 31 13.9–.42**	**42.84N–.04**	**144.17E–.04**	**80–3**	**3.7b**	**59**	**0-85**
ISCJB	IX	17 02 31 13.0–.43	42.84N–.04	144.17E–.04	86–3	3.7b		**¶11910442**
JMA	IX	17 02 31 13.6–.10	42.85N	144.18E	82–1	3.4		
NEIC	IX	17 02 31 14.9–.84	42.90N	144.09E	88–9	4.0b		
MOS	IX	17 02 31 17.0–1.3	43.37N	144.05E	100	4.0b		
IDC	IX	17 02 31 18.3–2.9	43.18N	144.06E	107–17	3.7,3.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.5km az=152.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s51.00000°,δ35.00000°,λ137.00000°. NP2: ϕ_s178.00000°,δ67.00000°,λ63.00000°. Principal axes: T Plg59.0000°,Azm50.0000° ; N Plg25.0000°,Azm189.0000°; P Plg18.0000°,Azm288.0000°
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=13.3km az=193.0.
MOS Error ellipse: s-maj=21.1km s-min=16.2km az=47.6.
IDC Error ellipse: s-maj=39.9km s-min=17.8km az=172.0.

(249) Luzon

MAN	**IX**	**17 12 24 19**	**16.45N**	**120.52E**	**37**	**4.5b,3.4L**		
								¶13734265

MAN Event type fe. INTENSITY II - BAGUIO CITY.

(249) Luzon

MAN	**IX**	**17 12 44 45**	**16.46N**	**120.55E**	**5**	**4.6b,3.5L**		
								¶13734266

MAN Event type fe. INTENSITY II - BAGUIO CITY.

(233) Near south coast of western Honshu

ISC	**IX**	**17 14 54 43.6–.95**	**33.52N–.06**	**135.58E–.05**	**20–4**	**3.5b**	**16**	**0-42**
IDC	IX	17 14 54 37.8–12	33.09N	135.71E	0	3.7b,3.6		**¶11910483**
ISCJB	IX	17 14 54 42.7–1.0	33.49N–.07	135.61E–.05	25–4	3.5b,3.6		
JMA	IX	17 14 54 42.9	33.50N	135.60E	25	3.4,3.6		

ISC Event type fe.
IDC Error ellipse: s-maj=224.6km s-min=35.1km az=148.0.
ISCJB Event type fe. Error ellipse: s-maj=11.7km s-min=7.2km az=167.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s263.00000°,δ27.00000°,λ101.00000°. NP2:ϕ_s71.00000°,δ63.00000°,λ85.00000°. Principal axes: T Plg71.0000°,Azm329.0000°; N Plg5.0000°,Azm73.0000°; P Plg18.0000° ,Azm165.0000°

(460) Wyoming

ISC	**IX**	**17 18 01 02.6–.37**	**43.73N–.02**	**105.26W–.04**	**0**		**77**	**1-11**
ISCJB	IX	17 18 01 01.4–.38	43.76N–.02	105.21W–.04	0			**¶11910497**
NEIC	IX	17 18 01 03.3–.38	43.78N	105.20W	0	3.1L		
IDC	IX	17 18 01 06.0–1.0	44.76N	106.38W	0	3.8,3.5L		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=4.0km s-min=2.7km az=169.2.
NEIC Event type fm. Error ellipse: s-maj=5.0km s-min=4.7km az=52.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=62.1km s-min=8.3km az=140.0.

(330) Lake Issyk-Kul region

ISC	**IX**	**17 19 37 34.9–.90**	**43.57N–.03**	**78.58E–.04**	**4–6**	**3.6b**	**103**	**1-84**
IDC	IX	17 19 37 32.1–.78	43.43N	78.60E	0	3.9,3.8b		**¶13394543**
ISCJB	IX	17 19 37 33.8–1.1	43.61N–.03	78.62E–.04	9–7	3.6b,3.8b		
NNC	IX	17 19 37 34.2–2.3	43.66N	78.62E	6–11	4.3b,4.2		
MOS	IX	17 19 37 34.7–1.6	43.60N	78.54E	18	4.0b,4.2		
BJI	IX	17 19 37 38.7	43.51N	78.84E	46	4.6b,4.3b		
NEIC	IX	17 19 37 39.1–.70	43.60N	78.49E	47–8	3.7b,4.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=12.6km s-min=7.4km az=148.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.6km az=148.1.
NNC Error ellipse: s-maj=31.0km s-min=7.2km az=144.0.
MOS Event type fe. Error ellipse: s-maj=11.2km s-min=7.7km az=78.8. Felt (IV) at Saty, (II) at Almaty. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.9km az=136.0.

(546) Austria

ISC	**IX**	**17 22 10 39.4–.19**	**47.078N–.01**	**11.38E–.01**	**4–2**		**402**	**0-8**
ISCJB	IX	17 22 10 37.9–.20	47.095N–.01	11.38E–.01	2–2			**¶11282268**
VIE	IX	17 22 10 38.9–.32	47.05N	11.34E	11–4	3.1L,2.0b		
ROM	IX	17 22 10 39.8–.27	47.02N	11.34E	10–0	2.8,2.0b		
CSEM	IX	17 22 10 39.4–.08	47.08N	11.39E	2	2.9L,2.0b		
NEIC	IX	17 22 10 39.5	47.06N	11.31E	5	2.8L,2.4L		
ZUR	IX	17 22 10 39.5	47.06N	11.31E	5–2	2.4L,2.4L		
BGR	IX	17 22 10 40.6–.34	47.03N	11.43E	10	2.8L,2.4L		
LDG	IX	17 22 10 41.5–.10	47.18N	11.55E	10–0	2.9L,2.4L		
PRU	IX	17 22 10 41.1	47.10N	11.44E	7	2.9L,2.4L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.6km az=19.8.
VIE Event type fe. Error ellipse: s-maj=1.3km s-min=1.2km az=75.0. 11 km WSW of Steinach a. Brenner . felt 4 ems98 at Gschnitz / TYROL.
ROM Event type ke. Error ellipse: s-maj=4.0km s-min=2.2km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=17.0.
NEIC Event type se. After ZUR.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=15.0.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=16.0.

(135) Near coast of central Chile

ISC	**IX**	**17 22 53 11.9–1.2**	**30.67S–.02**	**71.66W–.07**	**22–8**	**4.6b,4.0s**	**85**	**0-154**
IDC	IX	17 22 53 07.6–.70	30.65S	71.58W	0	4.5,4.4b		**¶11910522**
ISCJB	IX	17 22 53 10.9–.99	30.67S–.02	71.69W–.07	29–6	4.6b,4.0s		
NEIC	IX	17 22 53 12.5	30.73S	71.54W	30	4.8b,4.7L		
GUC	IX	17 22 53 12.5–.47	30.73S	71.54W	30–2	4.7L,4.7L		

ISC Event type fe.
IDC Error ellipse: s-maj=27.0km s-min=18.9km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=3.5km az=173.2.
NEIC Event type fe. Felt [III] at Ovalle and [II] at Combarbala. After GUC.
GUC Error ellipse: s-maj=1.6km s-min=3.5km az=-1.0.

(259) Mindanao

ISC	**IX**	**17 23 41 38.0–.28**	**6.35N–.02**	**125.42E–.04**	**111–3**	**4.6b**	**130**	**1-163**
BJI	IX	17 23 41 32.4	6.30N	125.40E	59	5.0b,4.6b		**¶11910523**
ISCJB	IX	17 23 41 36.9–.29	6.35N–.02	125.43E–.04	118–3	4.6b,4.6b		
IDC	IX	17 23 41 37.1–.61	6.23N	125.44E	108–5	4.2,4.2		
DJA	IX	17 23 41 38	6.36N	125.49E	100	5.1b,4.2		
NEIC	IX	17 23 41 38.5–.79	6.35N	125.43E	119–8	4.7b,4.2		
MAN	IX	17 23 41 38	6.44N	125.27E	86	5.3b,4.5s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.0km az=179.3.
IDC Error ellipse: s-maj=17.3km s-min=8.4km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=10.4km s-min=6.3km az=82.0. Felt [II PIVS] at General Santos.
MAN Event type fe. INTENSITY II - GENERAL SANTOS CITY.

(471) Ohio

ISC	**IX**	**18 01 04 16.1–.52**	**41.80N–.03**	**81.41W–.03**	**2–5**		**97**	**0-5**
ISCJB	IX	18 01 04 15.4–.50	41.81N–.03	81.40W–.03	3–4			**¶11279492**
NEIC	IX	18 01 04 16.7	41.78N	81.43W	5	2.9,2.8		
OTT	IX	18 01 04 17.1–.09	41.80N	81.42W	5	2.9,2.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=0.3.
NEIC Event type fe. Felt [II] at Mentor. Also felt at Eastlake and Willoughby. After OGSO.
OTT Event type ke. Lake Erie 77km southeast from Blenheim, On Eastern Background Seismic Zone.

(224) Hokkaido region

ISC	**IX**	**18 09 30 00.6–.07**	**46.09N–.01**	**143.49E–.02**	**334**	**5.1b**	**1447**	**1-155**
NIED	IX	18 09 29 00	45.90N	143.60E	360	5.4W		**¶13394587**
DJA	IX	18 09 29 45	46.51N	144.56E	200	5.2b		
BJI	IX	18 09 29 58.4	46.21N	143.59E	330	5.3b,4.8b		
MOS	IX	18 09 29 58.6–.94	46.13N	143.55E	328	5.1b,4.0s		
JMA	IX	18 09 29 58.6–.30	45.94N	143.64E	348–2	5.4,4.0s		
SKHL	IX	18 09 29 59.4–.60	46.00N	143.60E	325–6	6.3,6.0		
ISCJB	IX	18 09 29 59.2–.07	46.11N–.01	143.51E–.02	332	5.1b,6.0		
SZGRF	IX	18 09 30 00.4	46.65N	145.18E	340	5.2b,6.0		
IDC	IX	18 09 30 00.1–.34	46.19N	143.60E	332–3	4.9,4.9		
NEIC	IX	18 09 30 00.3–.09	46.16N	143.56E	332	5.2b,4.9		
GCMT	IX	18 09 30 03.2–.30	46.18N	143.49E	344–1	5.4W,4.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s83.00000°,δ77.00000°,λ164.00000°. NP2:ϕ_s177.00000°,δ75.00000°,λ13.00000°. $M_0$1.43000×10^{17}
MOS Error ellipse: s-maj=5.8km s-min=3.5km az=100.9.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=150.3.
SZGRF Sea of Okhotsk.
IDC Error ellipse: s-maj=6.7km s-min=5.6km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=160.0. Recorded [2 JMA] in southwestern Hokkaido, Japan. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c109; Moment tensor: Scale 10^{17}Nm; M_{rr}0.05±.03 $M_{\theta\theta}$0.32±.04; $M_{\phi\phi}$-0.37±.05; $M_{r\theta}$0.31±.04; $M_{\theta\phi}$-1.29±.04; $M_{\phi r}$-0.20±.04; Best double couple: NP1:ϕ_s174.00000°,δ78.00000°,λ10.00000°. NP2:ϕ_s82.00000°,δ80.00000°,λ168.00000°. Principal axes: T 1.4100,Plg15.0000° ,Azm37.0000°; N -0.0500,Plg75.0000°,Azm223.0000°; P -1.3600,Plg1.0000°,Azm128.0000° $M_0$1.40000×10^{17}

(218) Near east coast of Kamchatka Peninsula

ISC	**IX**	**18 11 58 51.2–.07**	**51.95N–.02**	**158.29E–.02**	**67**	**5.6b**	**1901**	**1-156**
MOS	IX	18 11 58 46.2–1.0	51.90N	158.31E	43	5.9b,5.6s		**¶13394602**
BJI	IX	18 11 58 47.8	52.00N	158.47E	70	5.6s,5.6b		
NEIC	IX	18 11 58 47.5–.10	51.94N	158.36E	35	5.9W,5.8b		
IDC	IX	18 11 58 48.6–1.2	51.98N	158.29E	47–10	5.4,5.4		
KRSC	IX	18 11 58 49.5–1.7	51.82N	158.88E	37–36	5.6L,5.4		
ISCJB	IX	18 11 58 49.0–.07	51.87N–.02	158.39E–.02	65	5.6b,5.4		
BGS	IX	18 11 58 50.8–1.4	51.80N	157.92E	66–0	5.8b,5.4		
GCMT	IX	18 11 58 53.0–.10	51.78N	158.86E	58–0	5.8W,5.4		
DJA	IX	18 11 58 56	52.01N	158.58E	122	5.8W,5.4		
SZGRF	IX	18 11 58 57.4	52.95N	156.16E	33	5.9b,5.6s		

ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=89.4. Felt (III-IV) at Petropavlovsk-Kamchatskiy, (III) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=1.8km az=171.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ60.00000° ,λ90.00000°. NP2:ϕ_s210.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000° ,Azm300.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm120.0000° Moment Tensor Solution. s139 Moment tensor: Scale 10^{17}Nm; M_{rr}7.63 $M_{\theta\theta}$-3.10 $M_{\phi\phi}$-4.53 $M_{r\theta}$0.77 $M_{\theta\phi}$-3.67 $M_{\phi r}$1.26 Best double couple: NP1:ϕ_s38.00000°,δ50.00000°,λ88.00000°. NP2:ϕ_s221.00000° ,δ40.00000°,λ92.00000°. Principal axes: T 7.7700,Plg84.0000°,Azm293.0000° ; N -0.0800,Plg1.0000°,Azm39.0000°; P -7.6900,Plg5.0000°,Azm129.0000° $M_0$7.70000×10^{17}
IDC Error ellipse: s-maj=13.0km s-min=8.3km az=143.0.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.4km az=165.9.
BGS Error ellipse: s-maj=158.6km s-min=496.8km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=249, per= 50. Moment Tensor Solution. s109,c244; s64,c84; Moment tensor: Scale 10^{17}Nm; M_{rr}6.59±.07 $M_{\theta\theta}$-1.26±.06; $M_{\phi\phi}$-5.32±.06; $M_{r\theta}$1.57±.05; $M_{\theta\phi}$-3.34±.05; $M_{\phi r}$2.08±.05; Best double couple: NP1:ϕ_s206.00000°,δ35.00000°,λ85.00000°. NP2:ϕ_s32.00000°,δ55.00000°,λ94.00000°. Principal axes: T 7.0800,Plg79.0000°,Azm316.0000°; N 0.6000,Plg3.0000°,Azm210.0000° ; P -7.6700,Plg10.0000°,Azm120.0000° $M_0$7.40000×10^{17}
SZGRF Kamchatka Peninsula, Russia.

(232) Western Honshu

ISC	**IX**	**18 13 29 30.0–.18**	**34.98N–.03**	**136.77E–.03**	**328–1**	**4.5b**	**316**	**0-158**
SZGRF	IX	18 13 28 45.3	33.50N	140.02E	33	5.0b		**¶13394605**
NIED	IX	18 13 29 00	35.00N	136.80E	340	4.7W		
BJI	IX	18 13 29 27.8	34.98N	136.78E	330	4.8b,4.7b		
MOS	IX	18 13 29 28.5–.99	34.99N	136.70E	323	4.6b,4.7b		
ISCJB	IX	18 13 29 29.1–.18	34.95N–.03	136.77E–.03	334–1	4.5b,4.7b		
NEIC	IX	18 13 29 29.5–.40	34.92N	136.73E	324–3	4.7b,4.7W		
JMA	IX	18 13 29 29.7–.20	35.01N	136.77E	334–2	4.1,4.7W		
IDC	IX	18 13 29 30.0–.53	34.90N	136.69E	326–5	4.1b,4.1		
DJA	IX	18 13 29 32	35.06N	136.84E	357	4.7b,4.1		

ISC Event type fe.
SZGRF Southeast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ85.00000°,λ-154.00000°. NP2:ϕ_s319.00000°,δ64.00000°,λ-6.00000°. $M_0$1.26000×10^{16}
MOS Error ellipse: s-maj=9.6km s-min=5.2km az=114.5.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=140.5.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.7km az=84.0. Moment Tensor Solution. $M_0$1.30000×10^{16}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s313.00000°,δ58.00000°,λ-5.00000°. NP2: ϕ_s46.00000°,δ86.00000°,λ-148.00000°. Principal axes: T Plg19.0000°,Azm175.0000° ; N Plg58.0000°,Azm52.0000°; P Plg25.0000°,Azm274.0000°
IDC Error ellipse: s-maj=10.8km s-min=6.0km az=72.0.

(372) Cyprus region

ISK	**IX**	**18 16 54 18.4**	**34.49N**	**32.91E**	**7**	**3.6L**		
CSEM	IX	18 16 54 11.1	34.69N	32.98E	18	3.5L		**¶11322791**
NIC	IX	18 16 54 11.1–.10	34.69N	32.98E	18	3.5L,3.3W		
NEIC	IX	18 16 54 11.1	34.69N	32.98E	18	3.5L,3.3W		
IDC	IX	18 16 54 21.1–1.9	34.53N	32.84E	0	3.7,3.6b		
DDA	IX	18 16 54 22.1	34.74N	33.13E	7–4	3.6L,3.6b		
GII	IX	18 16 54 23.9–.97	34.76N	32.79E	32–2	3.6L,3.6b		

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NIC.
NIC Event type fe. Felt earthquake; Maximum Intensity 3; Felt I=III MM at Ypsonas area, Limassol. Moment Tensor Solution. $M_0$6.50000×10^{13}
NEIC Event type fe. Felt [III] in the Ypsonas area. After NIC.
IDC Error ellipse: s-maj=49.6km s-min=16.7km az=57.0.
GII Error ellipse: s-maj=18.6km s-min=25.8km az=-1.0.

(39) Central California

ISC	**IX**	**18 17 32 08.6–.47**	**35.20N–.02**	**119.41W–.03**	**14–4**		**38**	**0-4**
ISCJB	IX	18 17 32 08.8–.39	35.20N–.02	119.43W–.03	24–5			**¶11279507**
NEIC	IX	18 17 32 09.2	35.19N	119.43W	19	3.3L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.7km az=3.2.
NEIC Event type fe. Felt [III] at Taft. Also felt at Bakersfield, Mettler and Tupman. After PAS.

(2) Southern Alaska

ISC	**IX**	**18 19 43 52.0–.29**	**59.64N–.02**	**153.12W–.04**	**87–2**	**4.5b**	**613**	**1-163**
BJI	IX	18 19 43 48.0	59.50N	152.80W	90	5.0b,4.8b		**¶13394626**
MOS	IX	18 19 43 50.2–.78	59.61N	153.13W	89	4.6b,4.8b		
ISCJB	IX	18 19 43 50.4–.30	59.64N–.02	153.12W–.04	88–2	4.5b,4.8b		
IDC	IX	18 19 43 52.6–.47	59.65N	153.05W	99–3	4.3,4.3		
NEIC	IX	18 19 43 53.1	59.50N	152.79W	90	4.5b,4.3		
SZGRF	IX	18 19 44 00.2	60.51N	152.69W	94	4.9b,4.3		

ISC Event type fe.
MOS Error ellipse: s-maj=10.8km s-min=4.3km az=84.4.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=42.5.
IDC Error ellipse: s-maj=11.6km s-min=8.0km az=22.0.
NEIC Event type fe. Felt [IV] at Homer and [II] at Seward. Felt at Anchor Point, Anchorage, Kasilof, Soldotna and Sterling. After AEIC.
SZGRF Southern Alaska, United States.

(236) Shikoku

ISC	**IX**	**18 22 23 31.7–.29**	**33.78N–.03**	**132.30E–.04**	**54–3**	**3.8b**	**58**	**0-83**
NIED	IX	18 22 23 00	33.80N	132.30E	56	3.8W		**¶11747777**
ISCJB	IX	18 22 23 30.5–.28	33.78N–.03	132.30E–.04	63–3	3.8b		

JMA	IX	18 22 23 31.8	33.78N	132.31E	52–1	3.8			
IDC	IX	18 22 23 31.8–1.0	33.81N	132.03E	54–9	3.5,3.4			
NEIC	IX	18 22 23 32.3–.64	33.82N	132.21E	59–6	4.1b,3.4			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ62.00000°,λ-73.00000°. NP2:ϕ_s323.00000°,δ33.00000°,λ-119.00000°. $M_0$4.95000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.4km az=176.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s316.00000°,δ31.00000°,λ-120.00000°. NP2:ϕ_s170.00000°,δ64.00000°,λ-73.00000°. Principal axes: T Plg17.0000°,Azm248.0000°; N Plg15.0000°,Azm343.0000°; P Plg67.0000°,Azm111.0000°
IDC Error ellipse: s-maj=29.0km s-min=15.7km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.8km az=130.0. Recorded [2 JMA] in Hiroshima and [1 JMA] in Yamaguchi, Honshu. Also recorded [1 JMA] in Oita, Kyushu and Ehime, Shikoku.

(706) Northern Sumatera

ISC	**IX**	**19 13 04 53.5–.31**	**5.26N–.05**	**94.33E–.04**	**41**	**4.6b,3.9s**	**203**	**3-146**	
BJI	IX	19 13 04 49.2	4.87N	94.29E	44	4.8b,4.7b			**¶11280404**
MOS	IX	19 13 04 50.9–1.0	5.27N	94.34E	33	4.9b,4.7b			
ISCJB	IX	19 13 04 51.6–.32	5.28N–.05	94.39E–.04	39	4.6b,3.9s			
NEIC	IX	19 13 04 52.5–.30	5.25N	94.32E	35	4.7b,3.9s			
IDC	IX	19 13 04 54.0–.67	5.31N	94.46E	49–5	4.3,4.2			
DJA	IX	19 13 05 22	3.83N	96.53E	51	3.8,4.2			

ISC Event type fe.
MOS Error ellipse: s-maj=11.9km s-min=5.6km az=114.3.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.6km az=33.6.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=5.4km az=214.0. Felt [II] at Banda Aceh.
IDC Error ellipse: s-maj=22.0km s-min=9.8km az=46.0.

(460) Wyoming

ISC	**IX**	**19 18 07 36.7–.29**	**43.70N–.02**	**105.26W–.03**	**0**	**4.0b**	**120**	**1-90**	
IDC	IX	19 18 07 33.4–2.2	43.25N	105.20W	0	4.1,4.0			**¶11910640**
ISCJB	IX	19 18 07 35.3–.31	43.73N–.02	105.23W–.03	0	4.0b,4.0			
NEIC	IX	19 18 07 36.7–.28	43.73N	105.23W	0	3.4L,4.0			

ISC Event type fm.
IDC Error ellipse: s-maj=52.2km s-min=7.1km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=3.1km s-min=2.2km az=171.5.
NEIC Event type fm. Error ellipse: s-maj=4.1km s-min=3.5km az=156.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(90) Puerto Rico region

ISC	**IX**	**19 18 08 53.7–.35**	**18.35N–.09**	**66.02W–.03**	**126–3**	**4.0b**	**53**	**0-161**	
ISCJB	IX	19 18 08 52.6–.35	18.35N–.09	66.02W–.03	132–3	3.8b			**¶11280408**
IDC	IX	19 18 08 53.0–.52	18.23N	65.94W	128–4	3.8,3.6b			
RSPR	IX	19 18 08 54.5	18.47N	66.04W	120–0	3.8,3.6b			
NEIC	IX	19 18 08 54.5	18.47N	66.04W	120	3.8,3.6b			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.7km s-min=4.5km az=7.6.
IDC Error ellipse: s-maj=19.3km s-min=10.1km az=26.0.
RSPR Event type ke.
NEIC Event type fe. Felt [IV] at Guaynabo. Also felt at Bayamon, Dorado, Mayaguez, Naranjito, San Juan, Trujillo Alto and Toa Alta. After RSPR.

(224) Hokkaido region

ISC	**IX**	**19 21 19 13.5–.56**	**41.82N–.05**	**143.00E–.08**	**42–5**	**3.8b**	**47**	**0-92**	
NIED	IX	19 21 19 00	41.90N	143.00E	44	3.9W			**¶11747787**
IDC	IX	19 21 19 07.0–.71	41.78N	143.03E	0	4.0,3.9			
ISCJB	IX	19 21 19 11.9–.58	41.76N–.05	143.01E–.08	46–5	3.8b,3.9			
MOS	IX	19 21 19 12.0–1.1	41.80N	142.95E	52	4.3b,3.9			
JMA	IX	19 21 19 13.4–.20	41.86N	143.03E	42–1	3.8,3.9			
NEIC	IX	19 21 19 13.9–1.1	41.80N	142.99E	49–10	3.9b,3.9			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ87.00000°,λ64.00000°. NP2:ϕ_s214.00000°,δ26.00000°,λ172.00000°. $M_0$8.76000×10^{14}
IDC Error ellipse: s-maj=20.8km s-min=16.7km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=7.1km az=28.8.
MOS Error ellipse: s-maj=19.0km s-min=11.1km az=78.7.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=9.0km az=107.0. Recorded [2 JMA] in southern Hokkaido.

(45) California-Baja California border region

ISC	**IX**	**19 21 38 27.3–.50**	**32.97N–.03**	**115.85W–.04**	**14–5**		**22**	**0-3**	
ISCJB	IX	19 21 38 26.6–.50	33.00N–.03	115.85W–.04	11–6				**¶12952097**
NEIC	IX	19 21 38 28.9	32.92N	115.88W	7	3.1L			
ECX	IX	19 21 38 29.1–.64	32.91N	115.87W	4–2	3.1L,3.0			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.5km az=173.2.
NEIC Event type fe. Felt in the Ocotillo area. After PAS.
ECX Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0.

(233) Near south coast of western Honshu

ISC	**IX**	**19 22 01 09.6–.38**	**33.91N–.04**	**135.40E–.03**	**51–4**	**3.7b**	**39**	**0-81**	
NIED	IX	19 22 01 00	33.90N	135.40E	53	3.7W			**¶11747788**
IDC	IX	19 22 01 03.5–.91	33.84N	135.18E	0	3.9,3.8L			
ISCJB	IX	19 22 01 08.3–.39	33.89N–.04	135.40E–.03	60–3	3.7b,3.8L			
JMA	IX	19 22 01 09.7	33.91N	135.42E	50–1	3.7,3.8L			
NEIC	IX	19 22 01 10.3–.91	33.94N	135.45E	61–11	3.8b,3.8L			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s340.00000°,δ76.00000°,λ-59.00000°. NP2:ϕ_s92.00000°,δ34.00000°,λ-154.00000°. $M_0$3.83000×10^{14}
IDC Error ellipse: s-maj=21.5km s-min=16.8km az=129.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.7km az=174.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s327.00000°,δ48.00000°,λ-51.00000°. NP2:ϕ_s97.00000°,δ55.00000°,λ-125.00000°. Principal axes: T Plg4.0000°,Azm211.0000°; N Plg28.0000°,Azm119.0000°; P Plg62.0000°,Azm308.0000°
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.4km az=115.0.

(613) Hawaiian Islands

ISC	**IX**	**20 03 59 43.6–.80**	**19.33N–.07**	**155.16W–.05**	**8–3**	**4.1b,3.6s**	**28**	**0-89**	
BJI	IX	20 03 59 40.0	19.30N	155.10W	10	4.9b,4.9b			**¶11282319**
IDC	IX	20 03 59 42.0–.92	19.18N	155.16W	0	4.2,4.1			
ISCJB	IX	20 03 59 42.8–.68	19.35N–.06	155.16W–.05	14–3	4.1b,3.6s			
NEIC	IX	20 03 59 43.0	19.33N	155.11W	10	4.3,3.6s			

ISC Event type fe.
IDC Error ellipse: s-maj=31.9km s-min=17.3km az=153.0.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=8.4km az=175.5.
NEIC Event type fe. Felt [III] at Captain Cook, Hilo, Honomu, Kamuela, Mountain View, Pahoa, Papa'ikou and Volcano; [II] at Kailua Kona and Kea'au. Also felt at Hakalau, Holualoa, Honaunau, Honoka'a, Kapaau, Kealakekua, Laupahoehoe, Na'alehu, Ninole, Pepeekeo and Waikoloa. After HVO.

(136) Central Chile

ISC	**IX**	**20 04 00 23.9–.18**	**29.43S–.02**	**70.55W–.07**	**69**	**4.4b**	**374**	**0-176**	
ISCJB	IX	20 04 00 22.0–.17	29.41S–.02	70.53W–.07	67	4.4b			**¶11282320**
GUC	IX	20 04 00 22.2–.86	29.38S	70.83W	68–6	4.8L			
IDC	IX	20 04 00 23.4–.46	29.36S	70.80W	69–3	4.2,4.2			
BJI	IX	20 04 00 23.3	29.40S	70.60W	77	5.2s,5.0			
NEIC	IX	20 04 00 23.3–.15	29.40S	70.61W	68	4.6b,5.0			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=2.4km az=176.3.
GUC Error ellipse: s-maj=2.9km s-min=16.0km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=8.5km az=50.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=3.2km az=85.0. Felt [IV] at Alto del Carmen and [III] at Coquimbo, La Serena, Vallenar and Vicuna.

(69) Near coast of Chiapas

ISC	**IX**	**20 04 52 28.7–.16**	**14.57N–.03**	**92.23W–.02**	**60**	**5.0b,4.7s**	**960**	**0-160**	
MOS	IX	20 04 52 22.0–1.1	14.48N	91.99W	33	5.2b,4.7s			**¶13394759**
BJI	IX	20 04 52 24.0	14.40N	92.10W	48	5.6s,5.4			
NEIC	IX	20 04 52 26.0–.20	14.39N	92.10W	58	5.1b,5.0			
ISCJB	IX	20 04 52 26.2–.16	14.52N–.03	92.23W–.02	58	5.0b,4.7s			
IDC	IX	20 04 52 26.8–.47	14.64N	91.87W	57–3	4.6,4.5			
MEX	IX	20 04 52 27.1–.52	14.28N	92.62W	13–12	5.0,4.5			
GCMT	IX	20 04 52 27.0–.20	14.39N	92.64W	47–1	5.2W,4.5			
BGS	IX	20 04 52 29.3–2.3	16.54N	93.87W	67–0	4.9b,4.5			
CASC	IX	20 04 52 29.5–2.0	14.29N	92.26W	57–35	5.1b,4.6L			

ISC Event type fe.
MOS Error ellipse: s-maj=8.2km s-min=4.4km az=102.3.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.2km az=32.0. Felt at Antigua Guatemala, Coatepeque, Panajachel and Quetzaltenango.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=1.6km az=31.8.
IDC Error ellipse: s-maj=17.5km s-min=9.5km az=60.0.
MEX Error ellipse: s-maj=10.2km s-min=3.5km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s70,c112; s65,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.33±.16 $M_{\theta\theta}$2.27±.13; $M_{\phi\phi}$3.05±.15; $M_{r\theta}$1.54±.12; $M_{\theta\phi}$-3.44±.11; $M_{\phi r}$-3.31±.14; Best double couple: NP1:ϕ_s127.00000°,δ30.00000°,λ-108.00000°. NP2:ϕ_s328.00000°,δ61.00000°,λ-80.00000°. Principal axes: T 7.1200,Plg16.0000°,Azm50.0000°; N -0.6300,Plg9.0000°,Azm143.0000°; P -6.4900,Plg72.0000°,Azm262.0000° $M_0$6.80000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CASC Error ellipse: s-maj=14.4km s-min=10.0km az=-1.0.

(316) Bangladesh

ISC	**IX**	**20 11 16 25.5–3.5**	**23.45N–.07**	**90.8E–.20**	**9–18**	**3.6b**	**15**	**1-63**	
IDC	IX	20 11 16 24.2–2.0	23.52N	90.98E	0	3.9L,3.8			**¶11910696**
NEIC	IX	20 11 16 24.5–1.2	23.31N	90.58E	10	3.9L,3.8			

ISC Event type fe.
IDC Error ellipse: s-maj=71.9km s-min=22.1km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=34.6km s-min=9.9km az=63.0. Felt at Dhaka.

(316) Bangladesh

ISC	**IX**	**20 11 51 39.7–1.1**	**23.46N–.04**	**90.68E–.03**	**0–7**	**4.1b,3.6s**	**54**	**1-92**	
ISCJB	IX	20 11 51 37.9–.88	23.42N–.04	90.64E–.03	3–6	4.0b,3.6s			**¶11910699**
IDC	IX	20 11 51 39.6–1.1	23.39N	90.69E	0	4.5L,4.1			
BJI	IX	20 11 51 41.8	23.26N	90.72E	17	4.4b,4.4b			
NEIC	IX	20 11 51 41.3–.42	23.40N	90.73E	10	4.5b,4.4b			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.7km az=157.2.
IDC Error ellipse: s-maj=49.0km s-min=15.0km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=12.5km s-min=5.2km az=51.0. Felt at Dhaka.

(316) Bangladesh

ISC	**IX**	**20 12 00 51.9–.70**	**23.47N–.05**	**90.80E–.09**	**10**	**3.7b**	**20**	**1-63**	
IDC	IX	20 12 00 49.8–1.3	23.40N	90.63E	0	4.0L,3.9			**¶11910700**
ISCJB	IX	20 12 00 50.0–.71	23.44N–.05	90.85E–.09	10	3.7b,3.9			
NEIC	IX	20 12 00 51.3–.67	23.39N	90.69E	10	4.2b,3.9			
BJI	IX	20 12 00 54.8	23.84N	90.94E	10	4.3b,4.1b			

ISC Event type fe.
IDC Error ellipse: s-maj=59.7km s-min=17.8km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=7.2km az=178.0.
NEIC Event type fe. Error ellipse: s-maj=17.5km s-min=7.2km az=54.0. Felt at Dhaka.

(316) Bangladesh

ISC	**IX**	**20 12 21 31.1–4.4**	**23.5N–.10**	**90.8E–.30**	**12–21**	**3.3b**	**7**	**1-61**	
IDC	IX	20 12 21 28.9–2.8	23.43N	90.70E	0	3.5,3.4b			**¶11910701**
NEIC	IX	20 12 21 30.4–1.9	23.46N	90.73E	10	3.5,3.4b			

ISC Event type fe.
IDC Error ellipse: s-maj=83.1km s-min=27.6km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=48.6km s-min=12.5km az=63.0. Felt [III] at Dhaka.

(115) Near coast of Peru

ISC	**IX**	**20 14 43 06.2–.19**	**16.14S–.04**	**73.51W–.04**	**42**	**5.2b,4.8s**	**453**	**5-176**	
MOS	IX	20 14 43 03.6–1.2	15.98S	73.68W	33	5.4b,4.8s			**¶11282335**
ISCJB	IX	20 14 43 04.2–.19	16.11S–.04	73.62W–.04	40	5.2b,4.8s			
NEIC	IX	20 14 43 05.4–.18	16.13S	73.63W	40	5.4b,5.4W			
IDC	IX	20 14 43 05.8–.37	16.15S	73.58W	40–3	4.7,4.7s			
LDG	IX	20 14 43 07.0–.38	15.74S	73.21W	40–0	5.0b,4.7s			
BJI	IX	20 14 43 07.4	16.10S	73.60W	40	5.3s,5.2b			
GCMT	IX	20 14 43 10.9–.20	16.35S	74.11W	52–1	5.4W,5.2b			

ISC Event type fe.
MOS Error ellipse: s-maj=10.6km s-min=7.2km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.8km az=40.4.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.6km az=64.0. Felt [IV] at Altico and Chala; [II] at Arequipa, Caraveli, Ica, Marcona and Palpa. Moment Tensor Solution. s57 Moment tensor: Scale 10^{17}Nm; M_{rr}0.88 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-1.49 $M_{r\theta}$-0.10 $M_{\theta\phi}$0.14 $M_{\phi r}$-0.77 Best double couple: NP1:ϕ_s337.00000°,δ31.00000°,λ62.00000°. NP2:ϕ_s189.00000°,δ63.00000°,λ106.00000°. Principal axes: T 1.1500,Plg68.0000°,Azm130.0000°; N 0.5800,Plg14.0000°,Azm1.0000°; P -1.7200,Plg16.0000°,Azm267.0000° $M_0$1.50000×10^{17}
IDC Error ellipse: s-maj=14.1km s-min=10.1km az=67.0.
LDG Event type ke. Error ellipse: s-maj=23.2km s-min=8.8km az=44.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s76,c139; s89,c152; Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.03 $M_{\theta\theta}$0.15±.03; $M_{\phi\phi}$-1.20±.03; $M_{r\theta}$-0.02±.02; $M_{\theta\phi}$0.98±.02; $M_{\phi r}$-0.93±.03; Best double couple: NP1:ϕ_s303.00000°,δ37.00000°,λ44.00000°. NP2:ϕ_s176.00000°,δ65.00000°,λ119.00000°. Principal axes: T 1.5000,Plg59.0000°,Azm127.0000°; N 0.4400,Plg26.0000°,Azm343.0000°; P -1.9400,Plg16.0000°,Azm245.0000° $M_0$1.70000×10^{17}

(226) Near west coast of eastern Honshu

ISC	**IX**	**20 15 49 51.6–.45**	**37.18N–.02**	**138.83E–.04**	**18–3**	**3.4b**	**26**	**0-61**	
IDC	IX	20 15 49 48.8–1.4	37.17N	138.96E	0	3.7,3.5b			**¶11910708**
ISCJB	IX	20 15 49 51.3–.41	37.18N–.03	138.82E–.05	26–4	3.4b,3.5b			
JMA	IX	20 15 49 51.8	37.18N	138.81E	9–1	3.5,3.5b			

ISC Event type fe.
IDC Error ellipse: s-maj=25.6km s-min=13.4km az=122.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=1.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s236.00000°,δ24.00000°,λ135.00000°. NP2:ϕ_s8.00000°,δ73.00000°,λ72.00000°. Principal axes: T Plg58.0000°,Azm254.0000°; N Plg17.0000°,Azm13.0000°; P Plg26.0000°,Azm112.0000°

(274) Southern Sumatera

ISC	**IX**	**20 17 44 10.2–.78**	**1.18S–.05**	**99.79E–.04**	**24–5**	**4.4b**	**47**	**1-144**	
IDC	IX	20 17 44 06.3–1.2	1.17S	99.82E	0	4.1b,4.1			**¶11910716**
DJA	IX	20 17 44 11	1.33S	99.68E	39	4.4,4.1			
NEIC	IX	20 17 44 14.4–1.9	0.99S	100.06E	60–13	4.6b,4.1			

ISC Event type fe.
IDC Error ellipse: s-maj=49.6km s-min=14.6km az=59.0.
NEIC Event type fe. Error ellipse: s-maj=27.2km s-min=8.5km az=52.0. Felt [II] at Bukittinggi, Padangpanjang and Painan.

(267) Halmahera

ISC	**IX**	**20 18 36 13.6–2.1**	**0.36N–.05**	**127.85E–.08**	**21–14**	**4.2b**	**47**	**1-90**	
IDC	IX	20 18 36 10.4–.69	0.33N	127.65E	0	4.3,4.1b			**¶11910718**
DJA	IX	20 18 36 13	0.37N	127.81E	11	4.8b,4.1b			
BJI	IX	20 18 36 17.9	0.30N	127.70E	53	4.7b,4.1b			
NEIC	IX	20 18 36 17.3–2.5	0.29N	127.72E	54–23	4.3b,4.1b			

ISC Event type fe.
IDC Error ellipse: s-maj=31.2km s-min=14.1km az=84.0.
NEIC Event type fe. Error ellipse: s-maj=20.1km s-min=7.9km az=63.0. Felt [IV] on Halmahera.

(228) Near east coast of eastern Honshu

ISC	**IX**	**20 22 17 12.9–.23**	**35.53N–.02**	**139.91E–.02**	**70–2**	**4.8b**	**862**	**0-159**	
NIED	IX	20 22 17 00	35.60N	140.20E	83	4.8W			**¶11282347**
BJI	IX	20 22 17 07.2	35.48N	140.56E	70	4.8b,4.8b			
MOS	IX	20 22 17 09.4–.75	35.92N	139.95E	42	5.2b,4.8b			
JMA	IX	20 22 17 11.3–.20	35.62N	140.06E	71–2	4.8,4.8b			
NEIC	IX	20 22 17 11.3	35.62N	140.06E	71	5.0b,4.7W			
IDC	IX	20 22 17 11.8–.97	35.51N	140.05E	66–8	4.7,4.6			
SZGRF	IX	20 22 17 11.3	35.86N	141.02E	51	4.9b,4.6			
ISCJB	IX	20 22 17 11.9–.23	35.53N–.02	139.90E–.02	75–2	4.8b,4.6			
DJA	IX	20 22 17 38	35.08N	138.99E	273	4.7b,4.6			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s121.00000°,δ83.00000°,λ-83.00000°. NP2:ϕ_s256.00000°,δ10.00000°,λ-135.00000°. $M_0$1.64000×10^{16}
MOS Error ellipse: s-maj=7.5km s-min=4.5km az=100.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s188.00000°,δ11.00000°,λ175.00000°. NP2: ϕ_s284.00000°,δ89.00000°,λ79.00000°. Principal axes: T Plg45.0000°,Azm183.0000°; N Plg11.0000°,Azm284.0000°; P Plg43.0000°,Azm24.0000°
NEIC Event type fe. Felt [III] at Yokosuka. Also felt at Ayase, Hayama, Tokyo, Yokohama and Zushi. Recorded [3 JMA] in Chiba, Kanagawa, Saitama, Tokyo and Yamanashi; [2 JMA] in Gumma, Ibaraki, Shizuoka and Tochigi; [1 JMA] in Fukushima, Miyagi, Nagano and Niigata. Also recorded [2 JMA] on O-shima and [1 JMA] on Nii-jima and To-shima. After JMA. Moment Tensor Solution. $M_0$1.60000×10^{16}
IDC Error ellipse: s-maj=12.3km s-min=5.6km az=66.0.
SZGRF Near east coast of eastern Honshu, Japan.

ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=176.7.

(228) Near east coast of eastern Honshu

ISC	**IX**	**21 05 15 28.0–1.7**	**37.19N–.04**	**141.71E–.05**	**17–11**	**3.8b,3.3s**	**33**	**1-74**
NIED	IX	21 05 15 00	37.10N	141.60E	32	3.8W,3.3s		**¶11747803**
IDC	IX	21 05 15 24.9–1.4	37.08N	141.75E	0	3.9,3.8b		
ISCJB	IX	21 05 15 27.4–1.1	37.17N–.04	141.77E–.06	28–6	3.8b,3.3s		
JMA	IX	21 05 15 29.4–.20	37.14N	141.63E	43–2	4.0,3.3s		
NEIC	IX	21 05 15 29.4	37.14N	141.63E	43	4.5b,3.8W		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s92.00000°,δ69.00000°,λ-148.00000°. NP2:ϕ_s349.00000°,δ60.00000°,λ-24.00000°. $M_0$5.65000×10^{14}

IDC Error ellipse: s-maj=29.8km s-min=25.5km az=153.0.

ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=6.1km az=40.6.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

NEIC Event type fe. Recorded [2 JMA] in Fukushima. After JMA. Moment Tensor Solution. $M_0$5.70000×10^{14}

(236) Shikoku

JMA	**IX**	**21 07 44 27.0–.10**	**32.27N**	**132.16E**	**17–2**	**3.9**	
NIED	IX	21 07 44 00	32.30N	132.20E	20	3.7W	**¶11747805**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ79.00000°,λ87.00000°. NP2:ϕ_s211.00000°,δ11.00000°,λ104.00000°. $M_0$4.45000×10^{14}

(2) Southern Alaska

NEIC	**IX**	**21 08 45 34.1**	**61.58N**	**149.97W**	**35**	**3.6L,3.2L**	
							¶11282358

NEIC Event type fe. Felt [III] at Palmer. Also felt at Anchorage and Chugiak. After AEIC.

(227) Eastern Honshu

ISC	**IX**	**21 09 11 31.9–.51**	**38.79N–.03**	**140.79E–.04**	**6–7**	**3.5b**	**22**	**0-62**
IDC	IX	21 09 11 30.5–3.9	38.68N	141.10E	0	3.5,3.4b		**¶11910757**
ISCJB	IX	21 09 11 31.7–.74	38.79N–.04	140.81E–.04	14–7	3.5b,3.4b		
JMA	IX	21 09 11 32.0	38.80N	140.78E	3–1	3.1,3.4b		

ISC Event type fe.

IDC Error ellipse: s-maj=75.7km s-min=36.3km az=174.0.

ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.2km az=149.5.

JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**IX**	**21 16 44 07.7–.62**	**35.55N–.04**	**140.07E–.06**	**74–5**	**3.4b**	**29**	**0-59**
IDC	IX	21 16 44 04.9–1.6	34.84N	137.61E	0	3.7L,3.5		**¶11910774**
ISCJB	IX	21 16 44 06.8–.63	35.55N–.04	140.07E–.06	80–5	3.4b,3.5		
JMA	IX	21 16 44 07.8–.20	35.62N	140.05E	69–2	3.2,3.5		

ISC Event type fe.

IDC Error ellipse: s-maj=53.8km s-min=24.5km az=98.0.

ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.1km az=145.1.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(139) Mendoza Province

ISC	**IX**	**21 22 47 23.7–.66**	**33.15S–.05**	**68.45W–.05**	**37–11**		**43**	**2-152**
IDC	IX	21 22 47 18.1–1.5	33.27S	68.78W	0	3.7,3.6L		**¶11910796**
ISCJB	IX	21 22 47 21.9–.69	33.15S–.05	68.39W–.05	40–11	3.7,3.6L		
GUC	IX	21 22 47 22.3–.60	33.15S	68.68W	0–40	3.1L,3.6L		
NEIC	IX	21 22 47 23.6–.73	33.14S	68.46W	36–8	3.2b,3.1L		

ISC Event type fe.

IDC Error ellipse: s-maj=68.0km s-min=17.0km az=107.0.

ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=6.4km az=177.2.

GUC Error ellipse: s-maj=6.8km s-min=37.7km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=7.5km az=127.0. Felt [III] at Mendoza.

(135) Near coast of central Chile

ISC	**IX**	**22 04 51 41.8–.80**	**30.12S–.04**	**71.48W–.09**	**48–7**	**3.8b**	**55**	**1-151**
IDC	IX	22 04 51 40.0–1.0	30.02S	71.64W	40–7	4.0L,3.9b		**¶11910810**
NEIC	IX	22 04 51 39.9	30.17S	71.59W	22	4.5L,3.9b		
GUC	IX	22 04 51 39.9–.96	30.17S	71.59W	22–8	4.5L,3.9b		
ISCJB	IX	22 04 51 40.6–.79	30.13S–.04	71.50W–.09	56–6	3.8b,3.9b		

ISC Event type fe.

NEIC Event type fe. Felt [II] at Coquimbo, Illapel, La Serena and Ovalle. After GUC.

ISCJB Event type fe.

(81) Panama

ISC	**IX**	**22 05 31 27.8–.74**	**9.51N–.09**	**79.16W–.05**	**44–11**	**3.9b,3.6s**	**36**	**1-146**
CASC	IX	22 05 31 23.1–2.8	9.35N	78.81W	56–24	4.6b,4.3		**¶11910812**
IDC	IX	22 05 31 25.4–.91	9.52N	79.10W	27–4	3.9,3.7		
ISCJB	IX	22 05 31 26.3–.92	9.66N–.08	79.18W–.05	40–13	3.9b,3.6s		
NEIC	IX	22 05 31 28.5–.92	9.63N	79.21W	46–12	4.3b,3.6s		

ISC Event type fe.

CASC Error ellipse: s-maj=34.3km s-min=7.5km az=-1.0.

IDC Error ellipse: s-maj=27.7km s-min=22.2km az=49.0.

ISCJB Event type fe. Error ellipse: s-maj=13.8km s-min=8.0km az=17.0.

NEIC Event type fe. Error ellipse: s-maj=13.3km s-min=11.0km az=193.0. Felt at Panama.

(224) Hokkaido region

ISC	**IX**	**22 07 31 59.1–.12**	**41.56N–.01**	**140.48E–.02**	**146–1**	**5.2b**	**1463**	**0-162**
NIED	IX	22 07 31 00	41.50N	140.60E	150	5.6W		**¶13394938**
SZGRF	IX	22 07 31 46.4	41.62N	141.73E	33	5.3b,4.8s		
BJI	IX	22 07 31 54.2	41.60N	140.77E	139	5.3b,5.2b		
MOS	IX	22 07 31 57.6–.97	41.58N	140.50E	147	5.2b,4.9s		
IDC	IX	22 07 31 59.0–.78	41.54N	140.51E	150–6	4.8,4.8		
JMA	IX	22 07 31 58.5–.10	41.54N	140.57E	152–1	5.6,4.8		
ISCJB	IX	22 07 31 58.1–.12	41.56N–.01	140.50E–.02	150–1	5.2b,4.8		
NEIC	IX	22 07 31 59.2–.42	41.58N	140.45E	149–3	5.6W,5.6W		
BGS	IX	22 07 31 59.2–1.9	41.68N	141.01E	137–0	4.8b,5.6W		
GCMT	IX	22 07 32 01.8–.10	41.46N	140.50E	152–0	5.6W,5.6W		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ61.00000°,λ-132.00000°. NP2:ϕ_s88.00000°,δ49.00000°,λ-40.00000°. $M_0$3.10000×10^{17}

SZGRF Hokkaido, Japan, region.

MOS Error ellipse: s-maj=5.7km s-min=3.8km az=98.6.

IDC Error ellipse: s-maj=7.9km s-min=5.7km az=109.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=146.2.

NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=157.0. Felt at Furano. Felt [III] at Misawa, Honshu. Also felt at Kuroishi. Recorded [2 JMA] in southeastern Hokkaido and [1 JMA] on Okushiri-to. Recorded [3 JMA] in Aomori; [2 JMA] in Akita, Iwate, Miyagi, Tochigi and Yamagata; [1 JMA] in Fukushima, Ibaraki and Saitama, Honshu. Moment Tensor Solution. s82 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.63 $M_{\theta\theta}$2.48 $M_{\phi\phi}$0.14 $M_{r\theta}$-0.62 $M_{\theta\phi}$1.98 $M_{\phi r}$1.42 Best double couple: NP1:ϕ_s88.00000°,δ51.00000°,λ-49.00000°. NP2:ϕ_s213.00000°,δ54.00000°,λ-129.00000°. Principal axes: T 3.6200,Plg1.0000°,Azm329.0000° ; N -0.0700,Plg30.0000°,Azm238.0000°; P -3.5600,Plg59.0000°,Azm62.0000° $M_0$3.60000×10^{17} Moment Tensor Solution. $M_0$3.10000×10^{17}

BGS Error ellipse: s-maj=514.7km s-min=999.9km az=-1.0.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=237, per= 50. Moment Tensor Solution. s95,c168; s31,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.26±.04 $M_{\theta\theta}$2.17±.05; $M_{\phi\phi}$0.09±.05; $M_{r\theta}$-0.55±.04; $M_{\theta\phi}$2.34±.04; $M_{\phi r}$1.74±.04; Best double couple: NP1:ϕ_s89.00000°,δ52.00000°,λ-39.00000°. NP2:ϕ_s205.00000°,δ61.00000°,λ-135.00000°. Principal axes: T 3.7300,Plg5.0000°,Azm325.0000°; N -0.0600,Plg38.0000°,Azm231.0000° ; P -3.6700,Plg52.0000°,Azm62.0000° $M_0$3.70000×10^{17}

(298) Near south coast of Myanmar

ISC	**IX**	**22 13 30 39.2–.12**	**15.65N–.02**	**96.09E–.02**	**39**	**5.3b,4.9s**	**749**	**4-165**
SZGRF	IX	22 13 30 31.3	14.78N	95.99E	33	5.5b,4.9s		**¶13394964**
BJI	IX	22 13 30 36.8	15.46N	96.14E	50	5.5s,5.4b		
MOS	IX	22 13 30 36.6–.83	15.64N	96.10E	33	5.6b,4.9s		
DJA	IX	22 13 30 36	15.79N	96.15E	9	5.1b,4.9s		
IDC	IX	22 13 30 36.9–3.1	15.54N	96.10E	26–20	5.6L,4.9b		
GCMT	IX	22 13 30 37.5–.20	15.46N	96.15E	12	5.2W,4.9b		
ISCJB	IX	22 13 30 37.2–.12	15.63N–.02	96.08E–.02	37	5.3b,4.9s		
NEIC	IX	22 13 30 38.2–.12	15.58N	96.08E	35	5.4b,4.9s		
TEH	IX	22 13 30 38.0	15.57N	96.08E	29	5.4b,4.9s		

ISC Event type fe.

SZGRF Andaman Islands, India, region.

MOS Error ellipse: s-maj=6.8km s-min=3.5km az=120.1.

IDC Error ellipse: s-maj=12.2km s-min=8.7km az=60.0.

GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s49,c75; s90,c173; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.84±.16 $M_{\theta\theta}$4.90±.14; $M_{\phi\phi}$0.94±.16; $M_{r\theta}$2.74±.41; $M_{\theta\phi}$6.15±.12; $M_{\phi r}$0.60±.42; Best double couple: NP1:ϕ_s33.00000°,δ39.00000°,λ-121.00000°. NP2:ϕ_s251.00000°,δ57.00000°,λ-67.00000°. Principal axes: T 9.8000,Plg9.0000° ,Azm325.0000°; N -3.1400,Plg19.0000°,Azm58.0000°; P -6.6600,Plg68.0000° ,Azm210.0000° $M_0$8.20000×10^{16}

ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=41.1.

NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=217.0. Felt in tall buildings at Bangkok, Thailand.

(228) Near east coast of eastern Honshu

ISC	**IX**	**22 20 43 37.2–.98**	**36.72N–.03**	**141.33E–.06**	**27–5**	**3.7b**	**35**	**1-60**
NIED	IX	22 20 43 00	36.70N	141.20E	44	3.7W		**¶11747828**
IDC	IX	22 20 43 32.9–1.4	36.65N	141.47E	0	3.7,3.7b		
ISCJB	IX	22 20 43 35.8–.97	36.69N–.03	141.40E–.06	31–5	3.7b,3.7b		
NEIC	IX	22 20 43 37.6–1.1	36.69N	141.41E	35	4.4b,3.7b		
JMA	IX	22 20 43 38.3–.10	36.72N	141.20E	46–1	3.7,3.7b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ83.00000°,λ-86.00000°. NP2:ϕ_s0.00000°,δ8.00000°,λ-118.00000°. $M_0$4.42000×10^{14}

IDC Error ellipse: s-maj=30.5km s-min=18.7km az=74.0.

ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.8km az=11.3.

NEIC Event type se. Error ellipse: s-maj=23.3km s-min=15.6km az=50.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(238) Ryukyu Islands

ISC	**IX**	**23 00 16 41.7–.28**	**28.77N–.03**	**129.29E–.05**	**75–4**	**3.8b**	**64**	**0-92**
NIED	IX	23 00 16 00	28.80N	129.10E	74	4.0W		**¶11747829**
ISCJB	IX	23 00 16 40.6–.29	28.77N–.03	129.27E–.05	81–4	3.8b		
JMA	IX	23 00 16 41.5–.10	28.85N	129.13E	39–4	4.3		
IDC	IX	23 00 16 42.0–1.5	28.77N	129.24E	89–15	3.8,3.7		
NEIC	IX	23 00 16 42.2–.53	28.72N	129.19E	75–6	4.1b,3.7		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s106.00000°,δ55.00000°,λ-116.00000°. NP2:ϕ_s327.00000°,δ43.00000°,λ-57.00000°. $M_0$1.13000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=3.5km az=30.9.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

IDC Error ellipse: s-maj=21.9km s-min=12.4km az=96.0.

NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=4.8km az=114.0. Recorded [1 JMA] on Amami-oshima.

(232) Western Honshu

ISC	**IX**	**23 11 53 50.1–.53**	**34.12N–.04**	**136.75E–.03**	**28–4**		**28**	**0-14**
NIED	IX	23 11 53 00	34.10N	136.80E	29	3.7W		**¶11747834**
ISCJB	IX	23 11 53 50.0–.52	34.13N–.04	136.75E–.03	32–4	3.7W		
JMA	IX	23 11 53 50.5	34.13N	136.76E	28–1	3.9		
NEIC	IX	23 11 53 50.5	34.13N	136.76E	28	3.9		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s287.00000°,δ90.00000°,λ165.00000°. NP2:ϕ_s17.00000°,δ75.00000°,λ1.00000°. $M_0$4.40000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.0km az=169.4.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s26.00000°,δ72.00000°,λ-7.00000°. NP2:ϕ_s118.00000°,δ83.00000°,λ-161.00000°. Principal axes: T Plg8.0000°,Azm251.0000°; N Plg70.0000°,Azm138.0000°; P Plg18.0000° ,Azm343.0000°

NEIC Event type se. After JMA.

(228) Near east coast of eastern Honshu

ISC	**IX**	**23 13 26 53.1–.63**	**38.74N–.04**	**142.26E–.05**	**40–4**	**4.4b,3.7s**	**135**	**1-145**
NIED	IX	23 13 26 00	38.70N	142.30E	44	4.3W,3.7s		**¶13395025**
BJI	IX	23 13 26 48.1	38.79N	143.03E	60	5.1b,4.7b		
ISCJB	IX	23 13 26 51.9–.68	38.72N–.04	142.26E–.06	49–4	4.4b,3.7s		
MOS	IX	23 13 26 51.4–.85	38.82N	142.07E	33	4.5b,3.7s		
JMA	IX	23 13 26 52.1–.10	38.70N	142.28E	38–2	4.3,3.7s		
NEIC	IX	23 13 26 53.2–.34	38.73N	142.24E	42	4.8b,4.3W		
IDC	IX	23 13 26 53.1–.63	38.62N	142.16E	42–6	4.1,4.0		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ71.00000°,λ97.00000°. NP2:ϕ_s192.00000°,δ20.00000°,λ72.00000°. $M_0$3.61000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=5.1km az=29.0.

MOS Error ellipse: s-maj=11.1km s-min=6.8km az=110.9.

JMA Event type fe.

NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.2km az=127.0. Recorded [2 JMA] in Miyagi and [1 JMA] in Fukushima and Iwate. Moment Tensor Solution. $M_0$3.60000×10^{15}

IDC Error ellipse: s-maj=14.4km s-min=10.2km az=106.0.

(244) Taiwan

ISC	**IX**	**23 18 57 28.8–.41**	**23.07N–.02**	**120.18E–.02**	**14–2**		**88**	**0-2**
TAP	IX	23 18 57 27.7	23.06N	120.22E	15–0	3.6L		**¶12952153**
ISCJB	IX	23 18 57 28.8–.43	23.06N–.02	120.16E–.03	16–3	3.6L		
NEIC	IX	23 18 57 31.5–3.1	23.15N	120.42E	10	4.2L		

ISC Event type fe.

TAP B.

ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=171.3.

NEIC Event type fe. Error ellipse: s-maj=31.8km s-min=12.3km az=67.0. Recorded [4 TAP] in T'ai-nan and [1 TAP] in Chia-i.

(159) North Island

WEL	**IX**	**23 19 19 38.4–.07**	**40.12S**	**175.00E**	**12**	**3.6L**	
							¶11392165

WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.5km az=90.0. Felt from Wanganui to Manawatu, maximum reported intensity MM 4.

(460) Wyoming

ISC	**IX**	**23 19 59 03.6–.27**	**43.78N–.02**	**105.30W–.03**	**0**		**138**	**1-11**
ISCJB	IX	23 19 59 01.8–.28	43.80N–.02	105.25W–.03	0			**¶11910899**
NEIC	IX	23 19 59 03.0–.30	43.82N	105.24W	0	3.2L		
IDC	IX	23 19 59 03.5–1.5	43.89N	105.59W	0	3.9,3.6		

ISC Event type fm.

ISCJB Event type fm. Error ellipse: s-maj=3.1km s-min=2.2km az=177.3.

NEIC Event type fm. Error ellipse: s-maj=4.1km s-min=3.7km az=141.0. 55 km [35 miles] SSE of Gillette. Suspected Mining explosion.

IDC Error ellipse: s-maj=44.4km s-min=7.7km az=147.0.

(58) Near coast of Guerrero

ISC	**IX**	**23 22 46 17.4–.77**	**16.62N–.03**	**99.88W–.02**	**13–4**	**4.9b,4.2s**	**389**	**0-146**
IDC	IX	23 22 46 14.9–.65	16.60N	99.92W	0	4.7,4.5		**¶11284494**
MEX	IX	23 22 46 15.9–.79	16.45N	100.11W	10–8	5.2,4.5		
NEIC	IX	23 22 46 15.9	16.45N	100.11W	10	5.2,5.0b		
ISCJB	IX	23 22 46 16.3–.77	16.60N–.03	99.92W–.02	19–5	4.9b,4.2s		
MOS	IX	23 22 46 19.1–.92	16.75N	99.84W	33	5.2b,4.2s		
GCMT	IX	23 22 46 21.8–.30	16.67N	99.79W	12	5.0W,4.2s		

ISC Event type fe.

IDC Error ellipse: s-maj=20.3km s-min=10.8km az=53.0.

MEX Error ellipse: s-maj=5.6km s-min=3.4km az=-1.0.

NEIC Event type fe. Felt at Mexico. After MEX.

ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.1km az=32.8.

MOS Error ellipse: s-maj=9.4km s-min=4.6km az=101.4.

GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s43,c53; s73,c117; Moment tensor: Scale 10^{16}Nm; M_{rr}2.73±.10 $M_{\theta\theta}$-3.38±.08; $M_{\phi\phi}$0.65±.11; $M_{r\theta}$2.07±.25; $M_{\theta\phi}$0.03±.09; $M_{\phi r}$1.24±.37; Best double couple: NP1:ϕ_s292.00000°,δ32.00000°,λ127.00000°. NP2:ϕ_s70.00000°,δ65.00000°,λ70.00000°. Principal axes: T 3.8200,Plg64.0000° ,Azm306.0000°; N 0.2200,Plg18.0000°,Azm79.0000°; P -4.0400,Plg18.0000°,Azm175.0000° $M_0$3.90000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**IX**	**23 23 43 48.6–.23**	**39.01N–.02**	**141.64E–.04**	**69**	**4.5b**	**222**	**0-146**
NIED	IX	23 23 43 00	39.00N	141.60E	74	4.3W		**¶15025724**
BJI	IX	23 23 43 41.8	38.72N	142.13E	71	5.0b,4.8b		
MOS	IX	23 23 43 45.2–.94	38.98N	141.48E	53	4.7b,4.8b		
ISCJB	IX	23 23 43 47.2–.24	39.10N–.03	141.58E–.04	67	4.5b,4.8b		
JMA	IX	23 23 43 48.8	38.97N	141.66E	73–1	4.3,4.8b		
IDC	IX	23 23 43 48.7–.44	38.97N	141.50E	72–3	4.3,4.2		
NEIC	IX	23 23 43 49.0–.20	39.04N	141.54E	72	4.7b,4.3W		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ66.00000°,λ87.00000°. NP2:ϕ_s36.00000°,δ25.00000°,λ96.00000°. $M_0$3.62000×10^{15}

MOS Error ellipse: s-maj=9.1km s-min=6.4km az=111.6.

ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.9km az=36.5.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s37.00000°,δ20.00000°,λ106.00000°. NP2:ϕ_s200.00000°,δ70.00000°,λ84.00000°. Principal axes: T Plg64.0000°,Azm101.0000°; N Plg6.0000°,Azm202.0000°; P Plg25.0000° ,Azm295.0000°

IDC Error ellipse: s-maj=12.2km s-min=10.5km az=131.0.

NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.6km az=147.0. Recorded [3 JMA] in Iwate and Miyagi; [2 JMA] in Akita; [1 JMA] in Fukushima and Yamagata. Moment Tensor Solution. $M_0$3.60000×10^{15}

(54) Off coast of Jalisco
ISC IX 24 02 33 05.3–.17 17.52N–.02 105.46W–.02 10 6.2s,5.6b 1241 2-170
ISCJB IX 24 02 33 03.8–.18 17.56N–.02 105.43W–.02 10 6.2s,5.6b **¶12952175**
BJI IX 24 02 33 03.4 17.38N 106.03W 10 6.5s,6.3
IDC IX 24 02 33 03.3–.52 17.57N 105.57W 0 6.1,6.1s
MEX IX 24 02 33 04.4–1.4 17.64N 105.61W 16–40 6.4,6.1s
NEIC IX 24 02 33 05.6–.18 17.61N 105.50W 12 6.6,6.4W
MOS IX 24 02 33 06.3–.88 17.61N 105.53W 33 6.2s,5.8b
GCMT IX 24 02 33 10.4–.10 17.69N 105.60W 17–0 6.4W,5.8b
BGS IX 24 02 33 18.0–2.1 20.14N 105.17W 10–0 6.4s,5.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=1.6km az=34.5.
IDC Error ellipse: s-maj=18.9km s-min=10.2km az=61.0.
MEX Error ellipse: s-maj=10.8km s-min=9.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.3km az=36.0. Felt at Guadalajara, Jalisco, Mexico and Puerto Vallarta. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ88.00000°,λ-5.00000°. NP2: ϕ_s120.00000°,δ85.00000°,λ-178.00000°. Principal axes: T Plg2.0000°,Azm75.0000° ; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm345.0000° Moment Tensor Solution. s88 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.01 $M_{\theta\theta}$-3.08 $M_{\phi\phi}$3.09 $M_{r\theta}$0.00 $M_{\theta\phi}$-0.81 $M_{\phi r}$-0.47 Best double couple: NP1:ϕ_s218.00000°,δ85.00000°,λ7.00000°. NP2:ϕ_s127.00000° ,δ84.00000°,λ175.00000°. Principal axes: T 3.2600,Plg8.0000°,Azm82.0000° ; N -0.0800,Plg81.0000°,Azm254.0000°; P -3.1900,Plg1.0000°,Azm352.0000° M_o3.20000×10^{18} Moment Tensor Solution. M_o5.50000×10^{18}
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=88.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 108 sta. Surface waves: sta=105, comp=244, per= 50. Moment Tensor Solution. s116,c263; s99,c200; Moment tensor: Scale 10^{18}Nm; M_{rr}0.59±.03 $M_{\theta\theta}$-5.01±.03; $M_{\phi\phi}$4.42±.03; $M_{r\theta}$0.35±.07; $M_{\theta\phi}$-1.35±.02; $M_{\phi r}$0.23±.07; Best double couple: NP1:ϕ_s307.00000°,δ86.00000°,λ-179.00000°. NP2:ϕ_s217.00000°,δ89.00000°,λ-4.00000°. Principal axes: T 4.6200,Plg2.0000° ,Azm262.0000°; N 0.6100,Plg86.0000°,Azm26.0000°; P -5.2200,Plg4.0000°,Azm172.0000° M_o4.90000×10^{18}
BGS Error ellipse: s-maj=477.2km s-min=696.2km az=-1.0.

(162) South Island
WEL IX 24 02 39 13.8–.16 45.03S 170.38E 5 3.8L ¶11392173
WEL Event type fe. Error ellipse: s-maj=1.4km s-min=1.3km az=90.0. Felt in the Otago region, maximum reported intensity MM 4.

(1) Central Alaska
ISC IX 24 12 19 52.8–.50 63.51N–.02 150.13W–.04 0–3 4.5b,3.9s 303 0-148
BJI IX 24 12 19 51.0 63.70N 150.14W 8 4.9b,4.8b **¶11302901**
ISCJB IX 24 12 19 52.2–.46 63.52N–.02 150.13W–.04 8–3 4.4b,3.9s
NEIC IX 24 12 19 52.9 63.44N 150.06W 7 4.6b,4.5L
IDC IX 24 12 19 55.7–2.2 63.60N 150.01W 18–13 4.2,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=4.4.
NEIC Event type fe. Felt [III] at Chugiak, Talkeetna, Wasilla and Willow; [II] at Anchorage, Eagle River, Elmendorf AFB, Fairbanks, Fort Richardson and Palmer. Also felt at Clear, Denali National Park, Girdwood, Healy, Indian and Kenai. After AEIC. Moment Tensor Solution. M_o2.00000×10^{15}
IDC Error ellipse: s-maj=12.8km s-min=10.2km az=77.0.

(717) Afghanistan-Tajikistan border region
ISC IX 24 17 59 33.4–.09 36.09N–.02 71.28E–.02 100 5.1b 964 2-150
BGS IX 24 17 59 08.3–1.7 34.12N 74.68E 100–0 5.0b **¶13395119**
NNC IX 24 17 59 28.6–6.1 36.44N 70.31E 0 6.0,5.7b
MOS IX 24 17 59 31.9–1.4 36.20N 71.34E 97 5.2b,4.0s
ISCJB IX 24 17 59 31.6–.09 36.10N–.02 71.29E–.02 98 5.1b,4.0s
BJI IX 24 17 59 32.3 36.32N 71.33E 86 5.2b,5.0b
TEH IX 24 17 59 33.0 36.24N 71.17E 92 5.2b,5.0b
NEIC IX 24 17 59 33.5–.19 36.15N 71.25E 100 5.2b,5.0b
SZGRF IX 24 17 59 33.5 35.85N 71.39E 136 5.3b,5.0b
IDC IX 24 17 59 33.6–.38 36.13N 71.19E 104–3 4.7,4.7
DJA IX 24 17 59 35 36.12N 71.13E 95 5.6b,4.7
GCMT IX 24 17 59 35.8–.20 36.10N 71.12E 107–1 5.2W,4.7
ISC Event type fe.
BGS Error ellipse: s-maj=673.8km s-min=783.6km az=-1.0.
NNC Error ellipse: s-maj=59.1km s-min=43.0km az=32.0.
MOS Error ellipse: s-maj=5.6km s-min=3.1km az=128.9.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=26.9.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.8km az=187.0. Felt at Islamabad, Pakistan.
SZGRF Pakistan.
IDC Error ellipse: s-maj=10.5km s-min=6.7km az=17.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c110; s86,c166; Moment tensor: Scale 10^{16}Nm; M_{rr}5.42±.17 $M_{\theta\theta}$-0.20±.18; $M_{\phi\phi}$-5.22±.19; $M_{r\theta}$-3.31±.13; $M_{\theta\phi}$-4.18±.17; $M_{\phi r}$4.03±.14; Best double couple: NP1:ϕ_s238.00000°,δ46.00000°,λ141.00000°. NP2:ϕ_s358.00000°,δ63.00000°,λ51.00000°. Principal axes: T 9.0600,Plg54.0000° ,Azm219.0000°; N -1.1600,Plg34.0000°,Azm18.0000°; P -7.9100,Plg10.0000° ,Azm115.0000° M_o8.50000×10^{16}

(460) Wyoming
ISC IX 24 18 31 58.4–.34 43.68N–.02 105.29W–.03 0 106 1-61
ISCJB IX 24 18 31 57.1–.35 43.70N–.02 105.24W–.03 0 **¶11910945**
NEIC IX 24 18 31 58.6–.62 43.71N 105.26W 0 3.2L
IDC IX 24 18 31 59.5–1.2 44.44N 106.30W 0 4.4b,4.3
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=3.2km s-min=2.2km az=168.7.
NEIC Event type fm. Error ellipse: s-maj=8.3km s-min=6.6km az=129.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=69.3km s-min=9.0km az=140.0.

(159) North Island
WEL IX 24 22 05 22.5–.05 39.00S 175.23E 5 3.6L ¶11392195
WEL Event type fe. Error ellipse: s-maj=0.5km s-min=0.5km az=90.0. Felt in the King Country region, maximum reported intensity MM 4.

(162) South Island
ISC IX 24 22 40 41.4–.76 42.24S–.03 174.04E–.04 18–4 4.8b,4.2s 82 0-162
IDC IX 24 22 40 34.9–.57 42.04S 173.86E 0 4.6L,4.4 **¶11382987**
BJI IX 24 22 40 39.9 42.20S 174.00E 10 5.4b,5.4b
ISCJB IX 24 22 40 40.7–.57 42.27S–.03 174.04E–.04 25–4 4.8b,4.2s
NEIC IX 24 22 40 41.9 42.20S 173.98E 16 5.1b,5.1L
WEL IX 24 22 40 41.9–.17 42.20S 173.98E 17–1 5.1L,5.1L
GCMT IX 24 22 40 43.2–.30 42.47S 173.89E 20–1 5.0W,5.1L
ISC Event type fe.
IDC Error ellipse: s-maj=18.8km s-min=17.3km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=136.5.
NEIC Event type fe. Felt [IV] at Blenheim, Christchurch, Kaikoura, Nelson and Wellington. Felt widely in central New Zealand. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.1km az=90.0. Felt from Nelson to Canterbury, and from West Coast to Wellington, maximum. reported intensity MM 6.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s37,c52; s55,c76; Moment tensor: Scale 10^{16}Nm; M_{rr}3.22±.20 $M_{\theta\theta}$-0.38±.14; $M_{\phi\phi}$-2.85±.14; $M_{r\theta}$0.06±.23; $M_{\theta\phi}$-1.64±.09; $M_{\phi r}$3.03±.26; Best double couple: NP1:ϕ_s224.00000°,δ28.00000°,λ121.00000°. NP2:ϕ_s10.00000°,δ66.00000°,λ75.00000°. Principal axes: T 4.5500,Plg65.0000° ,Azm253.0000°; N 0.1100,Plg14.0000°,Azm16.0000°; P -4.6600,Plg20.0000°,Azm111.0000° M_o4.60000×10^{16}

(228) Near east coast of eastern Honshu
ISC IX 25 01 36 44.0–.53 36.47N–.04 140.64E–.06 54–4 3.8b 37 0-83
NIED IX 25 01 36 00 36.50N 140.60E 59 4.0W **¶13395132**
ISCJB IX 25 01 36 42.7–.55 36.46N–.04 140.69E–.06 60–3 3.8b
JMA IX 25 01 36 44.1–.10 36.46N 140.59E 55–1 3.9
NEIC IX 25 01 36 44.1 36.46N 140.60E 55 4.0b
IDC IX 25 01 36 45.0–3.0 36.42N 140.56E 64–26 3.7,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ68.00000°,λ84.00000°. NP2:ϕ_s212.00000°,δ22.00000°,λ105.00000°. M_o9.75000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=5.6km az=29.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s188.00000°,δ25.00000°,λ83.00000°. NP2: ϕ_s15.00000°,δ65.00000°,λ93.00000°. Principal axes: T Plg70.0000°,Azm292.0000° ; N Plg3.0000°,Azm194.0000°; P Plg20.0000°,Azm103.0000°
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=34.6km s-min=13.9km az=73.0.

(123) Northern Chile
ISC IX 25 02 04 59.5–.36 22.50S–.03 70.08W–.06 80–3 4.0b 44 0-155
ISCJB IX 25 02 04 58.5–.37 22.49S–.03 70.10W–.06 87–3 4.0b **¶11910980**
GUC IX 25 02 04 59.9–.64 22.51S 69.95W 70–5 4.7L
IDC IX 25 02 04 59.5–.60 22.55S 69.94W 79–4 4.0,3.9
NEIC IX 25 02 04 59.9 22.51S 69.95W 70 4.6b,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=5.0km az=5.2.
GUC Error ellipse: s-maj=2.3km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=18.5km s-min=13.0km az=81.0.
NEIC Event type fe. Felt [II] at Maria Elena and Tocopilla. After GUC.

(162) South Island
ISC IX 25 03 57 18.4–.69 42.34S–.03 173.94E–.04 20–5 4.2b 86 0-153
IDC IX 25 03 57 16.1–.61 42.09S 173.82E 0 4.4,4.3 **¶11392208**
ISCJB IX 25 03 57 17.4–.51 42.39S–.03 173.97E–.04 23–4 4.2b,4.3
WEL IX 25 03 57 18.7–.18 42.28S 173.89E 20–1 4.6L,4.3
NEIC IX 25 03 57 18.4 42.32S 173.95E 18 4.6L,4.5b
ISC Event type fe.
IDC Error ellipse: s-maj=21.5km s-min=12.9km az=132.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.0km az=44.5.
WEL Event type fe. Error ellipse: s-maj=1.8km s-min=1.1km az=90.0. Felt between Nelson, Canterbury and Marlborough, maximum reported intensity. MM 5.
NEIC Event type se. After WEL.

(227) Eastern Honshu
ISC IX 25 06 04 57.4–.44 38.86N–.02 140.85E–.03 7–3 4.2b 82 0-146
NIED IX 25 06 04 00 38.90N 140.90E 5 4.2W **¶13395145**
IDC IX 25 06 04 55.8–.48 38.88N 140.76E 0 4.4,4.3
BJI IX 25 06 04 55.9 38.27N 140.92E 35 4.7b,4.4b
ISCJB IX 25 06 04 57.3–.41 38.87N–.03 140.88E–.04 20–3 4.2b,4.4b
NEIC IX 25 06 04 57.6 38.88N 140.86E 6 4.2,4.4b
JMA IX 25 06 04 57.6 38.87N 140.86E 6–1 4.1,4.4b
MOS IX 25 06 04 59.5–1.2 38.85N 140.75E 33 4.3b,4.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ56.00000°,λ80.00000°. NP2: ϕ_s205.00000°,δ36.00000°,λ105.00000°. M_o2.15000×10^{15}
IDC Error ellipse: s-maj=15.9km s-min=10.4km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.8km az=35.9.
NEIC Event type fe. Recorded [3 JMA] in Iwate and Miyagi; [1 JMA] in Akita and Yamagata. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s218.00000°,δ39.00000°,λ114.00000°. NP2:ϕ_s8.00000°,δ55.00000°,λ72.00000°. Principal axes: T Plg73.0000°,Azm228.0000°; N Plg15.0000°,Azm19.0000°; P Plg8.0000° ,Azm111.0000°
MOS Error ellipse: s-maj=13.3km s-min=8.8km az=79.2.

(244) Taiwan
ISC IX 25 07 25 29.6–.45 23.08N–.02 120.15E–.03 16–2 69 0-2
ISCJB IX 25 07 25 29.7–.46 23.08N–.02 120.14E–.03 19–3 **¶12952196**
TAP IX 25 07 25 29.0 23.06N 120.21E 16–0 3.5L
NEIC IX 25 07 25 32.6–3.4 23.14N 120.40E 10 4.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.4km az=166.1.
TAP B.
NEIC Event type fe. Error ellipse: s-maj=33.7km s-min=12.2km az=70.0. Recorded [3 TAP] at T'ai-nan.

(232) Western Honshu
JMA IX 25 14 17 04.5 35.12N 135.54E 11–1 3.1 ¶14104468
JMA Event type fe.

(235) Kyushu
ISC IX 25 19 05 20.5–.33 32.18N–.05 131.06E–.06 115–2 4.1b 74 0-90
NIED IX 25 19 05 00 32.20N 131.10E 107 4.3W **¶13395198**
ISCJB IX 25 19 05 19.5–.33 32.15N–.05 131.07E–.06 119–2 4.1b
IDC IX 25 19 05 20.9–.72 32.23N 131.05E 118–7 3.9,3.9
BJI IX 25 19 05 20.1 32.20N 131.08E 121 4.6b,4.1b
NEIC IX 25 19 05 20.3–.31 32.23N 131.03E 112 4.4b,4.1b
JMA IX 25 19 05 21.2–.10 32.22N 131.07E 109–1 3.8,4.1b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ72.00000°,λ84.00000°. NP2:ϕ_s212.00000°,δ19.00000°,λ107.00000°. M_o3.00000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=7.1km az=29.7.
IDC Error ellipse: s-maj=15.4km s-min=10.1km az=83.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.6km az=109.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s232.00000°,δ22.00000°,λ130.00000°. NP2: ϕ_s10.00000°,δ73.00000°,λ76.00000°. Principal axes: T Plg59.0000°,Azm260.0000° ; N Plg14.0000°,Azm14.0000°; P Plg27.0000°,Azm111.0000°

(1) Central Alaska
ISC IX 25 19 34 10.1–.21 63.96N–.02 149.04W–.05 10 4.2b,3.3s 147 0-154
BJI IX 25 19 34 05.4 63.90N 148.80W 10 4.8b,4.8b **¶11911036**
ISCJB IX 25 19 34 08.8–.21 63.91N–.02 148.99W–.05 10 4.2b,3.3s
NEIC IX 25 19 34 09.4 63.86N 148.81W 10 4.4b,4.4L
IDC IX 25 19 34 11.2–2.7 64.14N 148.93W 19–17 4.2,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=26.4.
NEIC Event type fe. Felt [IV] at Denali National Park and [III] at Fairbanks and Healy. Felt at Cantwell, Nenana and North Pole. After AEIC. Moment Tensor Solution. M_o1.10000×10^{15}
IDC Error ellipse: s-maj=12.2km s-min=10.7km az=81.0.

(244) Taiwan
ISC IX 25 21 27 30.7–.39 23.07N–.02 120.16E–.02 17–1 96 0-46
TAP IX 25 21 27 29.9 23.06N 120.22E 17–0 3.5L **¶12952188**
NEIC IX 25 21 27 29.8 23.03N 120.19E 19 4.2L,4.1b
ISCJB IX 25 21 27 30.6–.40 23.07N–.02 120.14E–.02 21–2 4.2L,4.1b
ISC Event type fe.
TAP B.
NEIC Event type fe. Recorded [4 TAP] at T'ai-nan and [1 TAP] in Chia-i. After TAP.
ISCJB Event type fe.

(353) Southern Iran
ISC IX 26 03 36 32.5–.21 26.93N–.02 55.77E–.03 10 4.2b,3.5s 309 1-121
BJI IX 26 03 36 28.7 27.18N 55.37E 10 4.8b,4.7b **¶11310442**
IDC IX 26 03 36 29.8–.77 26.87N 55.88E 0 4.1,4.1
ISCJB IX 26 03 36 30.9–.21 26.95N–.02 55.74E–.03 10 4.2b,3.5s
TEH IX 26 03 36 31.7 26.87N 55.90E 20 4.2b,3.5s
OMAN IX 26 03 36 32.2–4.8 26.99N 56.11E 0–24 4.2b,3.5s
CSEM IX 26 03 36 32.4–.18 26.94N 55.77E 10 4.3b,3.5s
THR IX 26 03 36 32.3–.36 26.98N 55.82E 6–7 4.1L,3.5s
NEIC IX 26 03 36 32.2 27.01N 55.80E 2 4.2b,4.1L
MOS IX 26 03 36 33.0–.91 26.89N 55.79E 33 4.4b,4.1L
ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=14.3km az=166.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=3.3km az=138.8.
OMAN Error ellipse: s-maj=31.1km s-min=23.2km az=78.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.8km az=66.0.
THR Error ellipse: s-maj=8.4km s-min=9.7km az=-1.0.
NEIC Event type fe. Felt lightly in the northern United Arab Emirates. After THR.
MOS Error ellipse: s-maj=9.6km s-min=5.4km az=122.5.

(162) South Island
ISC IX 26 07 23 01.8–.66 42.35S–.03 173.97E–.04 17–4 5.1b,4.3s 151 0-174
IDC IX 26 07 22 60.0–.52 42.07S 173.80E 0 4.9,4.8 **¶11310446**
BJI IX 26 07 23 00.2 42.01S 174.07E 11 5.4b,5.3b
ISCJB IX 26 07 23 01.6–.45 42.35S–.03 173.95E–.04 27–3 5.1b,4.3s
WEL IX 26 07 23 02.8–.14 42.31S 173.92E 24–1 5.2L,4.3s
NEIC IX 26 07 23 03.5–1.1 42.21S 173.80E 24–7 5.2L,4.9b
GCMT IX 26 07 23 05.9–.30 42.25S 173.95E 22–1 5.1W,4.9b
DJA IX 26 07 23 14 42.25S 173.12E 87 5.4b,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=20.1km s-min=15.8km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=2.8km az=136.3.
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=90.0. Felt from Nelson to Canterbury, and from West Coast to Wellington, maximum. reported intensity MM 6.

NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=7.3km az=115.0. Felt [IV] at Blenheim, Kaikoura, Richmond, Stoke and Westport. Also felt at Wellington.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s29,c35; s56,c78; Moment tensor: Scale 10^{16}Nm; M_{rr}3.35±.24 $M_{\theta\theta}$-0.35±.15; $M_{\phi\phi}$-3.00±.15; $M_{r\theta}$-1.52±.27; $M_{\theta\phi}$-2.01±.11; $M_{\phi r}$2.63±.24; Best double couple: NP1:ϕ_s233.00000°,δ40.00000°,λ137.00000°. NP2:ϕ_s359.00000°,δ64.00000°,λ59.00000°. Principal axes: T 5.1400,Plg59.0000° ,Azm225.0000°; N -0.6700,Plg28.0000°,Azm14.0000°; P -4.4700,Plg14.0000° ,Azm111.0000° M_o4.80000×10^{16}

(162) South Island

WEL	**IX**	**26 09 39 26.8–.19**	**42.29S**	**173.89E**	**22–1**	**3.8L**		**¶11392247**

WEL Event type fe. Error ellipse: s-maj=1.6km s-min=1.0km az=90.0. Felt between Nelson, Canterbury and Wellington, maximum reported intensity MM. 4.

(160) Off east coast of North Island

WEL	**IX**	**26 11 12 11.6–.26**	**37.36S**	**177.72E**	**54–3**	**4.0L**		**¶11392251**

WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.7km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.

(228) Near east coast of eastern Honshu

ISC	**IX**	**26 16 53 27.5–.10**	**40.53N–.02**	**142.83E–.02**	**44**	**5.2b,4.7s**	**891**	**1-155**
NIED	IX	26 16 53 00	40.50N	142.90E	29	5.0W,4.7s		**¶13395260**
BJI	IX	26 16 53 23.3	40.44N	142.79E	30	5.3b,5.1b		
JMA	IX	26 16 53 23.6–.10	40.49N	142.92E	17–2	5.0,5.1b		
MOS	IX	26 16 53 25.5–.89	40.67N	142.71E	33	5.4b,4.7s		
ISCJB	IX	26 16 53 25.5–.10	40.50N–.02	142.87E–.02	42	5.2b,4.7s		
IDC	IX	26 16 53 26.7–.44	40.47N	142.86E	41–3	4.7,4.7		
NEIC	IX	26 16 53 26.9–.54	40.49N	142.80E	39–4	5.2b,4.9W		
GCMT	IX	26 16 53 28.7–.30	40.58N	143.00E	38–1	5.0W,4.9W		
SZGRF	IX	26 16 53 33.2	41.81N	143.24E	33	5.2b,4.7s		
DJA	IX	26 16 53 38	40.49N	142.54E	128	5.3b,4.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ72.00000°,λ100.00000°. NP2:ϕ_s181.00000°,δ20.00000°,λ61.00000°. M_o3.18000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=3.8km az=105.5.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.8km az=143.1.
IDC Error ellipse: s-maj=13.1km s-min=9.7km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=145.0. Recorded [2 JMA] in Aomori and Iwate and [1 JMA] in Akita and Miyagi. Also recorded [2 JMA] in southwestern Hokkaido. Moment Tensor Solution. M_o3.20000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s45,c64; s70,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}3.24±.17 $M_{\theta\theta}$-0.16±.11; $M_{\phi\phi}$-3.08±.11; $M_{r\theta}$1.68±.11; $M_{\theta\phi}$-1.17±.08; $M_{\phi r}$2.68±.11; Best double couple: NP1:ϕ_s190.00000°,δ24.00000°,λ73.00000°. NP2:ϕ_s28.00000°,δ67.00000°,λ98.00000°. Principal axes: T 4.5400,Plg67.0000° ,Azm312.0000°; N 0.1600,Plg7.0000°,Azm205.0000°; P -4.7100,Plg21.0000°,Azm113.0000° M_o4.60000×10^{16}
SZGRF Hokkaido, Japan, region.

(139) Mendoza Province

GUC	**IX**	**26 23 53 53.8–.58**	**33.14S**	**68.64W**	**5–0**	**3.7,3.1L**		
NEIC	IX	26 23 53 53.8	33.14S	68.64W	5	3.5,3.1L		**¶12952200**

GUC Error ellipse: s-maj=3.0km s-min=3.1km az=-1.0.
NEIC Event type fe. Felt [III] at Junin, Rivadavia and San Martin. After GUC.

(250) Mindoro

ISC	**IX**	**27 03 04 59.6–.29**	**13.45N–.01**	**120.55E–.02**	**70–2**	**5.5b**	**910**	**1-171**
SZGRF	IX	27 03 04 50.3	12.51N	121.51E	33	5.9b		**¶11310631**
NEIC	IX	27 03 04 51.7–.12	13.47N	120.58E	10	5.6b		
MOS	IX	27 03 04 53.9–.81	13.49N	120.58E	33	5.8b,5.7s		
MAN	IX	27 03 04 54	13.33N	120.32E	73	5.3s,5.7s		
IDC	IX	27 03 04 55.4–1.7	13.48N	120.51E	34–13	5.3L,5.1b		
GCMT	IX	27 03 04 56.7–.10	13.50N	120.40E	17–0	5.7W,5.1b		
ISCJB	IX	27 03 04 57.6–.32	13.46N–.01	120.54E–.02	65–3	5.5b,5.1b		
BJI	IX	27 03 04 58.1	13.44N	120.62E	78	5.9s,5.6b		
TEH	IX	27 03 05 01.0	13.39N	120.49E	82	5.9s,5.6b		
DJA	IX	27 03 05 07	13.43N	120.52E	149	5.7W,5.6b		

ISC Event type fe.
SZGRF Mindoro, Philippine Islands.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=50.0. Felt [V PIVS] at Calapan and Naujan. Felt [IV PIVS] at Apalit, Las Pinas and Manila; [III PIVS] at Batangas and Quezon City; [II PIVS] at Makati, Luzon.
MOS Error ellipse: s-maj=7.5km s-min=3.8km az=120.8.
MAN Event type fe. INTENSITY V - CALAPAN CITY; NAUJAN; INTENSITY IV - APALIT; MANILA; LAS PINAS; INTENSITY III - QUEZON CITY; BATANGAS CITY; INTENSITY II - MAKATI CITY.
IDC Error ellipse: s-maj=13.9km s-min=8.6km az=72.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=104, comp=212, per= 50. Moment Tensor Solution. s88,c173; s23,c23; Moment tensor: Scale 10^{17}Nm; M_{rr}-4.49±.08 $M_{\theta\theta}$2.32±.07; $M_{\phi\phi}$2.17±.08; $M_{r\theta}$0.59±.19; $M_{\theta\phi}$2.21±.06; $M_{\phi r}$1.68±.20; Best double couple: NP1: ϕ_s55.00000°,δ36.00000°,λ-75.00000°. NP2:ϕ_s217.00000°,δ55.00000°,λ-101.00000°. Principal axes: T 4.7300,Plg10.0000°,Azm314.0000°; N 0.1600,Plg9.0000°,Azm223.0000° ; P -4.8900,Plg77.0000°,Azm92.0000° M_o4.80000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=178.7.

(250) Mindoro

ISC	**IX**	**27 03 09 13.5–.27**	**13.46N–.02**	**120.51E–.02**	**78–2**	**5.5b**	**838**	**1-171**
SZGRF	IX	27 03 09 00.6	12.11N	121.82E	33	6.0s,5.8b		**¶13395292**
NEIC	IX	27 03 09 04.8–.13	13.48N	120.55E	11	5.9W,5.8W		
MOS	IX	27 03 09 06.7–1.1	13.51N	120.61E	33	5.9b,5.5s		
IDC	IX	27 03 09 08.1–1.6	13.50N	120.55E	33–11	5.1b,5.1		
MAN	IX	27 03 09 08	13.32N	120.08E	86	6.5s,6.4b		
GCMT	IX	27 03 09 09.6–.10	13.56N	120.46E	12	5.9W,6.4b		
BJI	IX	27 03 09 09.7	13.22N	120.70E	80	6.2b,5.8s		
ISCJB	IX	27 03 09 11.2–.31	13.45N–.02	120.50E–.02	70–3	5.5b,5.8s		
TEH	IX	27 03 09 14.0	13.40N	120.48E	77	5.5b,5.8s		
DJA	IX	27 03 09 15	13.69N	120.51E	96	5.6b,5.8s		

ISC Event type fe.
SZGRF Mindoro, Philippine Islands.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.7km az=50.0. Felt [V PIVS] at Calapan, Naujan, Sablayan and on Lubang Island; [IV PIVS] at Puerto Galera; [II PIVS] at Navotas. Also felt at Taytay. Felt [IV PIVS] at Apalit and [III PIVS] at Manila, Molino and Quezon City, Luzon. Felt [IV] at Batangas. Also felt at Bacoor, Binan, Bocaue, Malolos, Olongapo, San Fernando and Tagaytay. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
MOS Error ellipse: s-maj=11.5km s-min=7.3km az=112.3.
IDC Error ellipse: s-maj=12.6km s-min=7.7km az=63.0.
MAN Event type fe. INTENSITY V - CALAPAN CITY; NAUJAN; LOOC; SABLAYAN.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=118, comp=266, per= 50. Moment Tensor Solution. s95,c196; s85,c118; Moment tensor: Scale 10^{17}Nm; M_{rr}-8.21±.08 $M_{\theta\theta}$3.34±.07; $M_{\phi\phi}$4.87±.07; $M_{r\theta}$2.94±.20; $M_{\theta\phi}$4.10±.05; $M_{\phi r}$1.63±.19; Best double couple: NP1: ϕ_s32.00000°,δ35.00000°,λ-103.00000°. NP2:ϕ_s228.00000°,δ56.00000°,λ-81.00000°. Principal axes: T 8.8600,Plg10.0000°,Azm311.0000°; N 0.0900,Plg7.0000°,Azm43.0000° ; P -8.9500,Plg77.0000°,Azm167.0000° M_o8.90000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=173.2.

(250) Mindoro

ISC	**IX**	**27 06 40 49.3–.38**	**13.46N–.02**	**120.50E–.03**	**61–3**	**5.0b**	**378**	**1-171**
SZGRF	IX	27 06 40 33.9	12.31N	123.58E	33	5.2b		**¶11310637**
NEIC	IX	27 06 40 42.6–.18	13.53N	120.63E	10	5.1b,4.3s		
MOS	IX	27 06 40 44.6–.73	13.56N	120.63E	33	5.3b,4.3s		
MAN	IX	27 06 40 45	13.38N	120.28E	72	5.4b,4.6s		
IDC	IX	27 06 40 45.8–2.0	13.49N	120.46E	30–14	4.6,4.6		
GCMT	IX	27 06 40 45.8–.30	13.48N	120.37E	14–1	4.8W,4.6		
ISCJB	IX	27 06 40 47.4–.39	13.44N–.02	120.50E–.04	58–3	5.0b,4.1s		
DJA	IX	27 06 40 51	13.41N	119.92E	30	5.0b,4.1s		
BJI	IX	27 06 40 55.4	13.66N	120.39E	117	5.0b,4.7b		

ISC Event type fe.
SZGRF Luzon, Philippine Islands.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=70.0. Felt [III PIVS] at Calapan and [I PIVS] at Puerto Galera.
MOS Error ellipse: s-maj=14.3km s-min=5.0km az=122.8.
MAN Event type fe. INTENSITY III - CALAPAN; INTENSITY II - QUEZON CITY.
IDC Error ellipse: s-maj=18.1km s-min=10.1km az=67.0.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s16,c18; s69,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.09±.20 $M_{\theta\theta}$1.22±.12; $M_{\phi\phi}$0.87±.13; $M_{r\theta}$-0.36±.30; $M_{\theta\phi}$1.21±.07; $M_{\phi r}$0.58±.31; Best double couple: NP1:ϕ_s66.00000°,δ46.00000°,λ-65.00000°. NP2:ϕ_s212.00000°,δ49.00000°,λ-113.00000°. Principal axes: T 2.2700,Plg2.0000° ,Azm319.0000°; N 0.0300,Plg18.0000°,Azm228.0000°; P -2.3100,Plg72.0000°,Azm54.0000° M_o2.30000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.5km az=177.5.

(250) Mindoro

ISC	**IX**	**27 06 56 37.4–.54**	**13.35N–.03**	**120.41E–.05**	**41–6**	**4.7b**	**149**	**1-120**
BJI	IX	27 06 56 29.0	12.78N	120.78E	26	4.8b		**¶11378010**
IDC	IX	27 06 56 31.4–.49	13.46N	120.50E	0	4.6,4.5		
NEIC	IX	27 06 56 33.1–.25	13.45N	120.52E	10	4.9b,4.5		
MOS	IX	27 06 56 34.7–.90	13.48N	120.57E	33	4.9b,4.5		
MAN	IX	27 06 56 35	13.32N	120.30E	46	4.7b,3.6s		
ISCJB	IX	27 06 56 36.3–.52	13.35N–.03	120.39E–.05	46–5	4.7b,3.6s		

ISC Event type fe.
NEIC Event type fe. Felt [III PIVS] at Calapan and [I PIVS] at Puerto Galera.
MAN Event type fe. INTENSITY III - CALAPAN; INTENSITY I - PUERTO GALERA.
ISCJB Event type fe.

(137) San Juan Province

ISC	**IX**	**27 08 04 22.6–.83**	**31.68S–.04**	**68.40W–.05**	**27–7**	**3.9b**	**68**	**0-153**
IDC	IX	27 08 04 17.9–.73	31.81S	68.74W	0	4.1,4.0		**¶11911179**
GUC	IX	27 08 04 21.7–.82	31.71S	68.76W	2–5	4.1L,4.0		
ISCJB	IX	27 08 04 22.1–.58	31.68S–.03	68.37W–.05	40–6	3.9b,4.0		
NEIC	IX	27 08 04 22.6–.85	31.69S	68.43W	27–7	4.1b,4.1L		

ISC Event type fe.
IDC Error ellipse: s-maj=21.1km s-min=8.0km az=155.0.
GUC Error ellipse: s-maj=2.0km s-min=6.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.1km az=29.8.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=6.6km az=114.0. Felt [III] at San Juan.

(73) El Salvador

ISC	**IX**	**27 18 13 42.7–.48**	**13.16N–.05**	**89.47W–.04**	**60–4**	**4.2b**	**93**	**1-148**
IDC	IX	27 18 13 40.4–.86	13.22N	89.04W	46–6	4.1,3.9		**¶11322331**
ISCJB	IX	27 18 13 41.1–.52	13.08N–.05	89.51W–.04	66–4	4.1b,3.9		
CASC	IX	27 18 13 41.0–1.9	13.07N	89.59W	30–6	4.8L,4.2b		
NEIC	IX	27 18 13 41.7–1.3	13.10N	89.49W	59–10	4.2b,4.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=10.8km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=3.8km az=31.3.
CASC Error ellipse: s-maj=6.6km s-min=4.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=16.3km s-min=10.0km az=202.0. Felt [IV] at San Salvador. Also felt at Antiguo Cuscatlan.

(228) Near east coast of eastern Honshu

ISC	**IX**	**27 23 42 33.0–.84**	**36.42N–.04**	**141.10E–.08**	**38–9**	**3.4b**	**30**	**0-56**
NIED	IX	27 23 42 00	36.40N	141.00E	35	3.6W		**¶11747893**
ISCJB	IX	27 23 42 31.1–.87	36.41N–.04	141.20E–.08	45–9	3.4b		
JMA	IX	27 23 42 32.8–.10	36.40N	141.03E	47–1	3.7		
IDC	IX	27 23 42 32.9–1.9	36.39N	141.17E	44–19	3.5,3.5		
NEIC	IX	27 23 42 33.9–1.7	36.34N	141.08E	54–14	3.7,3.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s6.00000°,δ79.00000°,λ75.00000°. NP2: ϕ_s240.00000°,δ19.00000°,λ143.00000°. M_o2.67000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=5.5km az=24.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=17.0km s-min=11.7km az=82.0.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=13.0km az=141.0.

(227) Eastern Honshu

ISC	**IX**	**28 02 20 44.7–.53**	**39.18N–.03**	**140.92E–.03**	**1–5**	**3.6b**	**26**	**0-74**
NIED	IX	28 02 20 00	39.20N	140.90E	5	3.6W		**¶11747895**
ISCJB	IX	28 02 20 44.2–.48	39.18N–.03	140.92E–.04	9–4	3.6b		
IDC	IX	28 02 20 44.0–1.0	39.05N	141.10E	0	3.9,3.6		
JMA	IX	28 02 20 44.3	39.19N	140.91E	8–1	3.5,3.6		
NEIC	IX	28 02 20 46.0–.89	39.04N	141.21E	10	3.5,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s185.00000°,δ50.00000°,λ84.00000°. NP2:ϕ_s14.00000°,δ40.00000°,λ97.00000°. M_o2.60000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.4km az=40.8.
IDC Error ellipse: s-maj=43.3km s-min=17.6km az=125.0.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=73.8km s-min=9.6km az=129.0.

(731) North of Honduras

ISC	**IX**	**28 09 23 10.1–.18**	**16.70N–.02**	**86.11W–.02**	**10**	**4.6b,3.9s**	**511**	**3-142**
CASC	IX	28 09 23 05.7–1.8	17.05N	86.05W	10–0	5.1,4.7b		**¶11313812**
ISCJB	IX	28 09 23 08.2–.19	16.71N–.02	86.09W–.02	10	4.6b,3.9s		
NEIC	IX	28 09 23 09.5–.26	16.66N	86.15W	10	4.7b,3.9s		
IDC	IX	28 09 23 12.6–1.1	16.64N	86.10W	35–4	5.0L,4.4		
GCMT	IX	28 09 23 15.1–.20	16.86N	86.23W	29–1	5.0W,4.4		
JSN	IX	28 09 24 56.8–.35	17.25N	77.74W	0–999	5.0W,4.4		

ISC Event type fe.
CASC Error ellipse: s-maj=12.1km s-min=11.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=3.0km az=170.3.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=4.1km az=192.0. Felt at Guanaja and Roatan.
IDC Error ellipse: s-maj=27.4km s-min=14.7km az=19.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s25,c29; s61,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.29±.15 $M_{\theta\theta}$-1.99±.12; $M_{\phi\phi}$2.28±.14; $M_{r\theta}$0.01±.16; $M_{\theta\phi}$2.55±.08; $M_{\phi r}$1.13±.19; Best double couple: NP1:ϕ_s71.00000°,δ73.00000°,λ4.00000°. NP2:ϕ_s340.00000°,δ87.00000°,λ163.00000°. Principal axes: T 3.7400,Plg14.0000° ,Azm294.0000°; N -0.4800,Plg73.0000°,Azm149.0000°; P -3.2600,Plg9.0000°,Azm26.0000° M_o3.50000×10^{16}
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(731) North of Honduras

ISC	**IX**	**28 15 33 22.6–.30**	**16.71N–.03**	**86.02W–.03**	**10**	**4.4b,4.1s**	**169**	**3-145**
IDC	IX	28 15 33 19.6–1.7	16.59N	85.98W	0	4.6L,4.5		**¶11313821**
ISCJB	IX	28 15 33 20.8–.31	16.71N–.03	86.02W–.04	10	4.4b,4.1s		
CASC	IX	28 15 33 21.9–2.0	16.75N	86.07W	10–0	4.6,4.5b		
NEIC	IX	28 15 33 21.7–.42	16.67N	86.13W	10	4.5b,4.5b		
BJI	IX	28 15 33 22.6	16.70N	86.10W	10	5.2b,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=36.4km s-min=25.3km az=165.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.3km az=27.6.
CASC Error ellipse: s-maj=10.4km s-min=8.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=6.2km az=124.0. Felt at Jose Santos Guardiola, Roatan and Sandy Bay.

(250) Mindoro

ISC	**IX**	**28 20 04 56.4–1.9**	**13.21N–.09**	**120.37E–.08**	**31–14**	**4.3b**	**17**	**1-50**
IDC	IX	28 20 04 51.9–.86	13.26N	120.51E	0	4.3,4.1b		**¶11911291**
NEIC	IX	28 20 04 53.1–.58	13.29N	120.52E	10	4.7b,4.1b		
MAN	IX	28 20 04 54	13.35N	120.43E	71	4.7b,3.5s		
ISCJB	IX	28 20 04 55.8–2.5	13.20N–.10	120.4E–.10	43–25	4.3b,3.5s		

ISC Event type fe.
NEIC Event type fe. Felt [III PIVS] at Paluan.
MAN Event type fe. INTENSITY III - PALUAN OCCIDENTAL MINDORO.
ISCJB Event type fe.

(460) Wyoming

ISC	**IX**	**28 20 07 12.0–.39**	**43.74N–.04**	**105.21W–.05**	**0**	**4.1b**	**53**	**1-85**
IDC	IX	28 20 07 09.1–3.7	43.33N	104.98W	0	3.9b,3.9		**¶11911292**
ISCJB	IX	28 20 07 10.5–.41	43.72N–.04	105.25W–.05	0	4.1b,3.9		
NEIC	IX	28 20 07 12.0–.32	43.74N	105.21W	0	3.4L,3.9		

ISC Event type fm.
IDC Error ellipse: s-maj=138.3km s-min=14.8km az=142.0.
ISCJB Event type fm. Error ellipse: s-maj=5.2km s-min=5.1km az=135.5.
NEIC Event type fm. Error ellipse: s-maj=4.5km s-min=4.0km az=148.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(250) Mindoro

ISC	**IX**	**28 20 27 52.1–1.5**	**13.35N–.03**	**120.30E–.04**	**10–10**	**4.3b**	**42**	**1-91**
IDC	IX	28 20 27 50.0–.77	13.33N	120.30E	0	4.4,4.2		**¶11911295**
BJI	IX	28 20 27 49.7	13.37N	121.10E	28	5.2b,4.9b		
NEIC	IX	28 20 27 51.6–.45	13.38N	120.47E	10	4.4b,4.9b		
MAN	IX	28 20 27 51	13.31N	120.37E	2	5.3b,4.5s		

ISC Event type fe.
IDC Error ellipse: s-maj=18.3km s-min=11.4km az=121.0.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=8.6km az=81.0. Felt [III PIVS] at Paluan.
MAN Event type fe. INTENSITY III - PALUAN OCCIDENTAL MINDORO.

(232) Western Honshu

ISC	**IX**	**29 11 49 51.1–.54**	**35.02N–.03**	**132.92E–.04**	**6–5**	**3.3b**	**18**	**0-58**
NIED	IX	29 11 49 00	35.00N	132.90E	5	3.5W		**¶11747909**
ISCJB	IX	29 11 49 50.6–.52	35.01N–.03	132.92E–.04	9–5	3.3b		
JMA	IX	29 11 49 50.6	35.02N	132.93E	7–1	3.4		
NEIC	IX	29 11 49 50.7	35.02N	132.93E	7	3.4		
IDC	IX	29 11 49 53.1–1.6	34.42N	133.35E	0	3.4,3.2b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s299.00000°,δ67.00000°,λ-35.00000°. NP2:ϕ_s44.00000°,δ58.00000°,λ-153.00000°. M_o2.01000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=5.0km az=156.8.

JMA Event type fe.

NEIC Event type se. After JMA.

IDC Error ellipse: s-maj=34.3km s-min=22.0km az=140.0.

(177) Kermadec Islands region

ISC	**IX**	**29 15 19 30.8–.07**	**30.10S–.02**	**177.63W–.02**	**35**	**6.8s,6.5b**	**1108**	**8-175**
WEL	IX	29 15 19 21.6–1.8	30.34S	175.43W	33	7.3W,6.7L		**¶13395461**
SZGRF	IX	29 15 19 26.8	30.53S	175.94W	33	7.2b,6.7L		
IDC	IX	29 15 19 26.3–.31	29.80S	177.67W	0	6.6s,6.6		
BJI	IX	29 15 19 27.7	29.46S	177.03W	26	7.1s,7.0b		
MOS	IX	29 15 19 29.9–1.1	29.79S	177.67W	33	7.0s,6.7b		
ISCJB	IX	29 15 19 29.1–.08	30.08S–.02	177.70W–.02	33	6.8s,6.5b		
NEIC	IX	29 15 19 31.6–.11	29.76S	177.68W	36	7.0W,6.9W		
DJA	IX	29 15 19 37	30.06S	177.71W	82	7.2W,6.9W		
GCMT	IX	29 15 19 42.9–.10	29.85S	177.46W	51–0	7.0W,6.9W		
NOU	IX	29 15 21 16.5–3.7	30.37S	170.16E	0–999	7.0W,6.9W		

ISC Event type fe.

WEL Event type fe. Error ellipse: s-maj=17.6km s-min=10.9km az=90.0. Felt from Bay of Plenty to Otago, maximum reported intensity MM 4.

SZGRF Kermadec Islands region.

IDC Error ellipse: s-maj=13.7km s-min=12.6km az=179.0.

MOS Error ellipse: s-maj=9.1km s-min=7.3km az=59.7.

ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.0km az=141.1.

NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=154.0. Felt in parts of the North Island. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s74 Moment tensor: Scale 10^{19}Nm; M_{rr}2.68 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$-1.68 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.33 $M_{\phi r}$1.23 Best double couple: NP1:ϕ_s14.00000° ,δ59.00000°,λ85.00000°. NP2:ϕ_s204.00000°,δ31.00000°,λ98.00000°. Principal axes: T 3.0000,Plg75.0000°,Azm270.0000°; N -0.9000,Plg4.0000°,Azm16.0000° ; P -2.1100,Plg14.0000°,Azm107.0000° M_o2.70000×10^{19} Moment Tensor Solution. M_o4.30000×10^{19}

GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 116 sta. Surface waves: sta=118, comp=295, per= 50. Moment Tensor Solution. s121,c325; s99,c276; Moment tensor: Scale 10^{19}Nm; M_{rr}3.95±.02 $M_{\theta\theta}$-0.23±.01; $M_{\phi\phi}$-3.72±.01; $M_{r\theta}$0.46±.02; $M_{\theta\phi}$-1.10±.01; $M_{\phi r}$1.93±.02; Best double couple: NP1:ϕ_s197.00000°,δ32.00000°,λ92.00000°. NP2:ϕ_s15.00000°,δ58.00000°,λ89.00000°. Principal axes: T 4.4200,Plg77.0000°,Azm281.0000°; N 0.0900,Plg1.0000°,Azm16.0000° ; P -4.5000,Plg13.0000°,Azm106.0000° M_o4.50000×10^{19}

NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(196) Irian Jaya region

ISC	**IX**	**30 05 12 14.1–.93**	**1.21S–.06**	**134.39E–.06**	**35–9**	**4.3b,3.7s**	**55**	**2-152**
ISCJB	IX	30 05 12 12.3–1.1	1.21S–.06	134.32E–.05	35–11	4.3b,3.7s		**¶11911438**
IDC	IX	30 05 12 13.1–.62	1.22S	134.29E	28–4	4.6L,4.2		
DJA	IX	30 05 12 14	1.33S	134.29E	15	4.9b,4.2		
NEIC	IX	30 05 12 14.6–.44	1.16S	134.26E	35	4.5b,4.2		
BJI	IX	30 05 12 16.5	1.20S	134.30E	35	4.3b,4.2		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=8.2km az=31.4.

IDC Error ellipse: s-maj=30.7km s-min=11.7km az=75.0.

NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=7.6km az=64.0. Felt [III] at Manokwari.

(268) Sulawesi

ISC	**IX**	**30 19 13 27.0–1.4**	**2.50S–.04**	**121.54E–.04**	**2–10**	**3.5b**	**29**	**1-60**
IDC	IX	30 19 13 26.0–1.2	2.38S	121.67E	0	4.0,3.8		**¶11911482**
DJA	IX	30 19 13 29	2.49S	121.54E	18	4.2,3.8		
NEIC	IX	30 19 13 32.3–1.8	2.43S	121.65E	50–20	3.7b,3.8		

ISC Event type fe.

IDC Error ellipse: s-maj=65.5km s-min=17.4km az=52.0.

NEIC Event type fe. Error ellipse: s-maj=40.5km s-min=9.7km az=56.0. Felt [II] at Poso.

(232) Western Honshu

ISC	**X**	**01 00 24 58.6–.54**	**35.41N–.03**	**136.49E–.04**	**16–3**	**4.0b**	**68**	**0-94**
NIED	X	01 00 24 00	35.40N	136.50E	14	3.9W		**¶11322836**
IDC	X	01 00 24 55.6–.63	35.40N	136.46E	0	4.0,4.0		
ISCJB	X	01 00 24 58.1–.48	35.42N–.03	136.44E–.04	25–4	4.0b,4.0		
NEIC	X	01 00 24 58.7	35.42N	136.50E	14	4.2b,4.0		
JMA	X	01 00 24 58.7	35.42N	136.50E	14	4.4,4.0		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s303.00000°,δ57.00000°,λ45.00000°. NP2:ϕ_s185.00000°,δ54.00000°,λ137.00000°. M_o9.14000×10^{14}

IDC Error ellipse: s-maj=15.2km s-min=12.4km az=144.0.

ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.5km az=39.8.

NEIC Event type fe. Recorded [3 JMA] in Gifu and Shiga; [2 JMA] in Aichi, Kyoto and Mie; [1 JMA] in Fukui, Hyogo, Ishikawa, Nagano, Nara, Okayama, Osaka and Shizuoka. After JMA.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s176.00000°,δ37.00000°,λ127.00000°. NP2:ϕ_s313.00000°,δ61.00000°,λ66.00000°. Principal axes: T Plg65.0000°,Azm180.0000°; N Plg21.0000°,Azm325.0000°; P Plg13.0000° ,Azm60.0000°

(245) Northeast of Taiwan

ISC	**X**	**01 07 34 47.5–.18**	**26.07N–.02**	**125.15E–.02**	**131–1**	**5.0b**	**702**	**1-168**
NIED	X	01 07 34 00	26.10N	125.10E	150	4.9W		**¶11322853**
MOS	X	01 07 34 45.2–.94	26.17N	125.17E	127	5.1b		
ISCJB	X	01 07 34 46.4–.19	26.10N–.02	125.10E–.02	132–2	5.0b		
TEH	X	01 07 34 47.0	26.07N	125.10E	129	5.0b		
JMA	X	01 07 34 47.7–.20	26.12N	125.10E	125	4.9		
NEIC	X	01 07 34 47.6–.35	26.06N	125.11E	136–3	5.1b		
IDC	X	01 07 34 48.0–.55	26.13N	125.28E	143–4	4.8,4.7		
BJI	X	01 07 34 49.3	25.99N	125.16E	159	5.1b,4.9b		
GCMT	X	01 07 34 50.2–.30	25.93N	125.18E	148–3	4.9W,4.9b		
DJA	X	01 07 34 50	26.04N	125.09E	152	5.3b,4.9b		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ79.00000°,λ-92.00000°. NP2:ϕ_s243.00000°,δ11.00000°,λ-78.00000°. M_o2.45000×10^{16}

MOS Error ellipse: s-maj=7.6km s-min=4.7km az=111.1.

ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.3km az=153.1.

JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.9km az=155.0. Recorded [1 JMA] in the Kerama-retto and on Miyako-jima, Ryukyu Islands.

IDC Error ellipse: s-maj=9.2km s-min=8.1km az=56.0.

GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s33,c38; s77,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.02±.12 $M_{\theta\theta}$0.86±.20; $M_{\phi\phi}$0.17±.21; $M_{r\theta}$-2.59±.09; $M_{\theta\phi}$-0.03±.15; $M_{\phi r}$-1.92±.09; Best double couple: NP1:ϕ_s275.00000°,δ9.00000°,λ-51.00000°. NP2:ϕ_s55.00000°,δ83.00000°,λ-96.00000°. Principal axes: T 3.1300,Plg38.0000° ,Azm151.0000°; N 0.4200,Plg6.0000°,Azm56.0000°; P -3.5500,Plg52.0000°,Azm319.0000° M_o3.30000×10^{16}

(211) Southeast of Honshu

ISC	**X**	**01 09 38 11.7–.07**	**30.16N–.01**	**138.80E–.01**	**404**	**5.2b**	**1691**	**3-165**
SZGRF	X	01 09 37 25.2	30.35N	138.94E	33	5.7b		**¶13395598**
NIED	X	01 09 38 00	30.10N	139.30E	400	5.7W		
JMA	X	01 09 38 09.5–.20	30.13N	139.30E	415–3	5.6		
DJA	X	01 09 38 10	30.08N	138.67E	392	5.5W		
MOS	X	01 09 38 10.5–.88	30.17N	138.81E	406	5.4b,4.7s		
ISCJB	X	01 09 38 10.4–.07	30.16N–.01	138.76E–.01	402	5.2b,4.7s		
BJI	X	01 09 38 10.0	30.10N	138.74E	399	5.6b,5.3b		
IDC	X	01 09 38 11.2–.41	30.13N	138.83E	403–4	5.0,5.0		
NEIC	X	01 09 38 12.3–.37	30.17N	138.78E	414–4	5.7W,5.7W		
GCMT	X	01 09 38 13.8–.10	30.21N	138.88E	394–0	5.7W,5.7W		
BGS	X	01 09 38 17.6–1.8	31.04N	137.69E	414–0	5.0b,5.7W		

ISC Event type fe.

SZGRF Southeast of Honshu, Japan.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ65.00000°,λ-59.00000°. NP2:ϕ_s84.00000°,δ40.00000°,λ-138.00000°. M_o3.79000×10^{17}

JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.

MOS Error ellipse: s-maj=6.6km s-min=3.7km az=109.9.

ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=148.1.

IDC Error ellipse: s-maj=7.1km s-min=5.2km az=79.0.

NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.4km az=154.0. Recorded [1 JMA] in Chiba, Fukushima, Tochigi and Tokyo, Honshu. Also recorded [1 JMA] in the Chichijima-retto. Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.23 $M_{\theta\theta}$2.21 $M_{\phi\phi}$0.02 $M_{r\theta}$0.32 $M_{\theta\phi}$-1.23 $M_{\phi r}$-3.55 Best double couple: NP1:ϕ_s93.00000° ,δ30.00000°,λ-148.00000°. NP2:ϕ_s335.00000°,δ74.00000°,λ-63.00000°. Principal axes: T 3.6300,Plg24.0000°,Azm44.0000°; N 1.2300,Plg25.0000°,Azm147.0000° ; P -4.8600,Plg52.0000°,Azm276.0000° M_o4.40000×10^{17} Moment Tensor Solution. M_o3.80000×10^{17}

GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s102,c212; s66,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.90±.05 $M_{\theta\theta}$3.00±.08; $M_{\phi\phi}$-0.10±.09; $M_{r\theta}$0.94±.07; $M_{\theta\phi}$-2.18±.08; $M_{\phi r}$-3.54±.07; Best double couple: NP1:ϕ_s89.00000°,δ35.00000°,λ-144.00000°. NP2:ϕ_s328.00000°,δ70.00000°,λ-60.00000°. Principal axes: T 5.0200,Plg20.0000° ,Azm36.0000°; N 0.3100,Plg28.0000°,Azm137.0000°; P -5.3300,Plg55.0000°,Azm276.0000° M_o5.20000×10^{17}

BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(250) Mindoro

ISC	**X**	**01 11 11 28.3–1.3**	**13.34N–.05**	**120.28E–.05**	**3–9**	**4.2b**	**34**	**0-79**
IDC	X	01 11 11 27.2–.91	13.28N	120.28E	0	4.2,4.1		**¶11911547**
MAN	X	01 11 11 27	13.33N	120.31E	1	4.3b,3.2L		
ISCJB	X	01 11 11 28.1–1.1	13.38N–.05	120.22E–.05	13–7	4.2b,3.2L		
NEIC	X	01 11 11 29.8–3.0	13.37N	120.44E	19–19	4.5b,3.2L		

ISC Event type fe.

IDC Error ellipse: s-maj=19.4km s-min=11.4km az=123.0.

MAN Event type fe. INTENSITY III - PALUAN OCCIDENTAL MINDORO.

ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=8.2km az=158.5.

NEIC Event type fe. Error ellipse: s-maj=27.7km s-min=12.3km az=62.0. Felt [III PIVS] at Paluan.

(250) Mindoro

ISC	**X**	**01 12 22 11.3–1.5**	**13.31N–.04**	**120.32E–.04**	**22–12**	**4.2b**	**48**	**1-87**
IDC	X	01 12 22 07.3–.73	13.30N	120.24E	0	4.3,4.2b		**¶11911551**
NEIC	X	01 12 22 08.9–.44	13.34N	120.43E	10	4.5b,4.2b		
ISCJB	X	01 12 22 11.8–.57	13.32N–.04	120.31E–.05	42–7	4.2b,4.2b		
MAN	X	01 12 22 11	13.30N	120.32E	40	4.3b,3.2L		

ISC Event type fe.

IDC Error ellipse: s-maj=16.7km s-min=10.8km az=120.0.

NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=8.6km az=81.0. Felt [III PIVS] at Paluan.

ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=6.1km az=13.0.

MAN Event type fe. INTENSITY III - PALUAN OCCIDENTAL MINDORO.

(569) Lake Victoria region

ISC	**X**	**01 14 15 53.8–.30**	**0.80S–.05**	**33.68E–.06**	**27**	**4.5b,4.0s**	**102**	**3-135**
BJI	X	01 14 15 47.7	1.39S	33.27E	24	4.8b,4.8b		**¶11322862**
ISCJB	X	01 14 15 51.5–.30	0.77S–.05	33.65E–.06	25	4.5b,4.0s		
IDC	X	01 14 15 53.2–.83	0.79S	33.65E	23–4	4.3,4.2b		
NEIC	X	01 14 15 53.5–.37	0.81S	33.74E	25	4.7b,4.2b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=7.4km az=174.5.

IDC Error ellipse: s-maj=15.5km s-min=14.4km az=23.0.

NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=8.1km az=17.0. Felt [IV] at Kampala. Also felt at Entebbe.

(127) Chile-Argentina border region

ISC	**X**	**01 17 03 47.4–.16**	**35.02S–.03**	**70.66W–.05**	**103**	**5.0b**	**645**	**1-174**
ISCJB	X	01 17 03 45.5–.16	35.08S–.02	70.73W–.05	101	5.0b		**¶11322869**
MOS	X	01 17 03 45.5–1.0	35.00S	70.67W	100	5.2b		
IDC	X	01 17 03 46.9–.36	34.97S	70.84W	104–2	4.7,4.7b		
GUC	X	01 17 03 46.1–.60	34.97S	71.10W	110–4	5.1L,4.7b		
NEIC	X	01 17 03 46.9–.15	35.02S	70.73W	99	5.1b,4.7b		
GCMT	X	01 17 03 48.8–.20	35.03S	71.04W	119–1	5.2W,4.7b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.4km az=2.7.

MOS Error ellipse: s-maj=16.6km s-min=7.6km az=99.9.

IDC Error ellipse: s-maj=15.0km s-min=8.4km az=78.0.

GUC Error ellipse: s-maj=2.8km s-min=7.1km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.8km az=74.0. Felt [IV] at Curico and Talca; [III] at Rancagua, San Antonio, San Fernando and San Javier; [II] at Cauquenes, Chillan, Concepcion, Constitucion, Los Andes, Puchuncavi, San Carlos, San Felipe, Santiago, Santa Cruz, Valparaiso and Vina del Mar.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s56,c72; s75,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}0.10±.24 $M_{\theta\theta}$0.09±.29; $M_{\phi\phi}$-0.19±.35; $M_{r\theta}$-3.48±.15; $M_{\theta\phi}$0.76±.28; $M_{\phi r}$-6.46±.18; Best double couple: NP1:ϕ_s288.00000°,δ4.00000°,λ-10.00000°. NP2:ϕ_s28.00000°,δ89.00000°,λ-94.00000°. Principal axes: T 7.6600,Plg44.0000° ,Azm122.0000°; N -0.6000,Plg4.0000°,Azm28.0000°; P -7.0600,Plg46.0000°,Azm294.0000° M_o7.40000×10^{16}

(250) Mindoro

ISC	**X**	**01 18 04 28.7–.11**	**13.45N–.02**	**120.43E–.02**	**39**	**5.4s,5.3b**	**689**	**1-171**
BJI	X	01 18 04 23.8	13.07N	120.70E	45	5.6s,5.4b		**¶13395632**
NEIC	X	01 18 04 23.9–.17	13.37N	120.44E	10	5.5W,5.5W		
ISCJB	X	01 18 04 26.7–.11	13.44N–.02	120.43E–.02	36	5.4s,5.3b		
MOS	X	01 18 04 26.9–.95	13.47N	120.49E	42	5.5b,5.4s		
IDC	X	01 18 04 26.7–1.6	13.41N	120.48E	28–10	5.1s,5.1		
GCMT	X	01 18 04 27.6–.10	13.49N	120.33E	14–0	5.5W,5.1		
MAN	X	01 18 04 27	13.30N	120.21E	54	5.3s,5.1		
DJA	X	01 18 04 39	13.58N	120.34E	138	5.4W,5.1		

ISC Event type fe.

NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.0km az=75.0. Felt [IV PIVS] at Paluan and [III PIVS] at Puerto Galera. Felt [IV] at Manila and [II PIVS] at Muntinlupa, Quezon City and Tagaytay, Luzon. Moment Tensor Solution. s71 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.65 $M_{\theta\theta}$0.78 $M_{\phi\phi}$0.87 $M_{r\theta}$-0.21 $M_{\theta\phi}$0.85 $M_{\phi r}$1.21 Best double couple: NP1:ϕ_s198.00000° ,δ62.00000°,λ-115.00000°. NP2:ϕ_s63.00000°,δ37.00000°,λ-52.00000°. Principal axes: T 1.8500,Plg13.0000°,Azm306.0000°; N 0.3700,Plg21.0000°,Azm210.0000° ; P -2.2300,Plg64.0000°,Azm66.0000° M_o2.10000×10^{17}

ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=166.6.

MOS Error ellipse: s-maj=8.5km s-min=4.3km az=120.6.

IDC Error ellipse: s-maj=13.2km s-min=8.3km az=65.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 98, comp=210, per= 50. Moment Tensor Solution. s89,c168; s48,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.24±.03 $M_{\theta\theta}$1.25±.03; $M_{\phi\phi}$0.99±.03; $M_{r\theta}$0.51±.06; $M_{\theta\phi}$1.43±.02; $M_{\phi r}$0.86±.07; Best double couple: NP1: ϕ_s56.00000°,δ35.00000°,λ-77.00000°. NP2:ϕ_s220.00000°,δ56.00000°,λ-99.00000°. Principal axes: T 2.7400,Plg11.0000°,Azm316.0000°; N -0.2800,Plg7.0000°,Azm225.0000° ; P -2.4600,Plg77.0000°,Azm102.0000° M_o2.60000×10^{17}

MAN Event type fe. INTENSITY IV - PALUAN OCC. MINDORO INTENSITY III - PUERTO GALERA INTENSITY II - TAGAYTAY MAKATI QUEZON CITY.

(250) Mindoro

ISC	**X**	**01 18 06 51.4–.20**	**13.42N–.03**	**120.50E–.04**	**19**	**5.2s,5.1b**	**311**	**1-151**
ISCJB	X	01 18 06 49.2–.20	13.44N–.03	120.63E–.04	18	5.2s,5.1b		**¶11322872**
NEIC	X	01 18 06 49.8–.21	13.47N	120.57E	10	5.2b,5.1b		
MAN	X	01 18 06 52	13.29N	120.37E	12	4.8b,3.7s		
MOS	X	01 18 06 53.9–1.0	13.51N	120.59E	54	5.4b,5.0s		
IDC	X	01 18 06 53.7–2.0	13.49N	120.36E	33–14	4.8s,4.8		
BJI	X	01 18 06 54.3	13.59N	120.66E	24	5.3s,5.2b		
SZGRF	X	01 18 07 03.6	15.71N	120.00E	33	5.3b,5.2b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.9km az=153.8.

NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.9km az=61.0. Felt [III] at Manila, Luzon.

MOS Error ellipse: s-maj=11.0km s-min=5.9km az=123.0.

IDC Error ellipse: s-maj=18.4km s-min=10.5km az=56.0.

SZGRF Luzon, Philippine Islands.

(460) Wyoming

ISC	**X**	**01 20 01 17.7–.24**	**43.67N–.01**	**105.27W–.03**	**0**	**4.6b**	**144**	**1-68**
ISCJB	X	01 20 01 16.2–.24	43.70N–.01	105.25W–.03	0	4.6b		**¶11911580**
IDC	X	01 20 01 16.9–4.2	43.91N	105.59W	0	4.4b,4.2		
NEIC	X	01 20 01 17.3–.40	43.72N	105.26W	0	3.4L,4.2		

ISC Event type fm.

ISCJB Event type fm. Error ellipse: s-maj=3.0km s-min=1.9km az=174.9.

IDC Error ellipse: s-maj=193.5km s-min=12.3km az=142.0.

NEIC Event type fm. Error ellipse: s-maj=6.7km s-min=4.8km az=158.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(377) Spain

ISC	**X**	**02 04 02 53.0–.23**	**37.114N–.01**	**5.390W–.01**	**7–1**	**4.5b,4.1s**	**1798**	**0-152**
IDC	X	02 04 02 51.0–.55	36.96N	5.40W	0	4.3,4.3		**¶13395680**

ISCJB	X	02 04 02 51.5–.24	37.18N–.01	5.38W–.01	6–1	4.5b,4.1s		
CSEM	X	02 04 02 52.7–.08	37.06N	5.43W	10	5.2L,4.6b		
BJI	X	02 04 02 53.4	37.72N	5.22W	10	5.2b,4.9s		
MDD	X	02 04 02 53.7–.19	37.04N	5.41W	8–2	4.7,4.9s		
MOS	X	02 04 02 53.2–1.5	37.24N	5.38W	20	4.8b,4.4s		
CRAAG	X	02 04 02 53.7	37.05N	5.44W		4.8b,4.4s		
LDG	X	02 04 02 53.1–.12	37.03N	5.42W	6–0	4.5L,4.0s		
CNRM	X	02 04 02 53.3	37.22N	5.51W	30	4.2,4.0s		
IGIL	X	02 04 02 53.8	37.06N	5.41W	6	4.8L,4.0s		
SFS	X	02 04 02 54.0	37.10N	5.47W	5	3.8L,4.0s		
INMG	X	02 04 02 54.3–2.0	37.05N	5.42W	14–3	4.7L,4.0s		
NEIC	X	02 04 02 54.1	37.10N	5.43W	5	4.7b,4.7		
SZGRF	X	02 04 02 54.2	36.35N	4.73W	33	4.3b,4.7		
ISC		Event type fe.						
IDC		Error ellipse: s-maj=18.0km s-min=11.4km az=104.0.						
ISCJB		Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=178.3.						
CSEM		Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=174.0.						
MDD		Event type fe. Error ellipse: s-maj=1.9km s-min=1.7km az=167.0. EMS: AMPLIAMENTE SENTIDO EN LAS PROVINCIAS DE SEVILLA, CADIZ Y MALAGA. PRIMO.						
MOS		Error ellipse: s-maj=5.7km s-min=2.6km az=59.9.						
LDG		Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=166.0.						
CNRM		Event type ke.						
SFS		Event type ke.						
INMG		Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=6.0.						
NEIC		Event type fe. Felt at Cadiz, Fuengirola, La Linea de la Concepcion, Malaga, Moron de la Frontera, Priego de Cordoba and Sevilla. After MDD.						
SZGRF		Strait of Gibraltar.						
		(43) Southern California						
ISC	**X**	**02 09 41 48.3–.29**	**34.06N–.01**	**116.98W–.01**	**6–2**	**4.0b,3.9s**	**203**	**0-146**
IDC	X	02 09 41 46.8–1.2	33.98N	117.04W	0	3.8,3.7		**¶11326337**
ISCJB	X	02 09 41 47.5–.36	34.06N–.01	116.94W–.01	8–3	4.0b,3.9s		
BJI	X	02 09 41 47.7	33.97N	117.88W	11	5.0b,4.9b		
NEIC	X	02 09 41 49.3	34.08N	116.97W	12	4.1L,4.9b		
ISC		Event type fe.						
IDC		Error ellipse: s-maj=26.5km s-min=11.3km az=50.0.						
ISCJB		Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=18.2.						
NEIC		Event type fe. Felt [V] at Angelus Oaks and [IV] at Banning, Big Bear City, Big Bear Lake, Calimesa, Cedarpines Park, Forest Falls, Hemet, Hesperia, Irvine, Lake Arrowhead, Mentone, Running Springs, San Jacinto, Trabuco Canyon and Yucaipa. Felt widely from Victorville in the north to Temecula in the south and from Irvine in the west to Indio in the east. After PAS.						
		(256) Leyte						
MAN	**X**	**02 19 56 01**	**11.20N**	**124.62E**	**9**	**4.9b,4.0s**		**¶13739371**
MAN		Event type fe. INTENSITY III - CAPOOCAN(LEYTE) & KANANGA (LEYTE.						
		(337) Eastern Caucasus						
ISC	**X**	**02 20 02 11.4–.29**	**42.75N–.02**	**46.33E–.02**	**6–2**	**3.9b**	**288**	**0-102**
IDC	X	02 20 02 09.6–.60	42.69N	46.16E	0	4.0,3.9		**¶11330086**
ISCJB	X	02 20 02 10.2–.29	42.78N–.02	46.34E–.02	7–2	3.9b,3.9		
MOS	X	02 20 02 10.1–1.1	42.77N	46.35E	7	4.3b,3.9		
CSEM	X	02 20 02 11.1–.13	42.76N	46.33E	5	4.3b,4.2b		
NEIC	X	02 20 02 13.0–3.7	42.87N	46.20E	18–25	4.0b,4.2b		
NNC	X	02 20 02 21.1–4.0	43.13N	47.35E	0	3.8b,4.2b		
ISC		Event type fe.						
IDC		Error ellipse: s-maj=15.5km s-min=10.5km az=135.0.						
ISCJB		Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=13.2.						
MOS		Event type fe. Error ellipse: s-maj=5.3km s-min=4.1km az=33.3. Felt (III-IV) at Botlikh. Moment Tensor Solution.						
CSEM		Event type ke. Error ellipse: s-maj=4.9km s-min=2.6km az=14.0.						
NEIC		Event type se. Error ellipse: s-maj=9.9km s-min=6.1km az=173.0.						
NNC		Error ellipse: s-maj=69.8km s-min=28.5km az=113.0.						
		(77) Off coast of Costa Rica						
ISC	**X**	**02 22 26 51.1–1.0**	**9.59N–.03**	**85.14W–.04**	**20–6**	**4.1b,3.4s**	**75**	**0-152**
ISCJB	X	02 22 26 50.0–.82	9.53N–.04	85.18W–.04	27–5	4.1b,3.4s		**¶11911762**
IDC	X	02 22 26 49.9–1.4	10.02N	84.73W	0	4.2,3.9b		
NEIC	X	02 22 26 51.0–1.7	9.59N	85.09W	22–11	4.6,4.1b		
CASC	X	02 22 26 52.5–3.1	9.64N	85.08W	13–14	4.1b,4.0		
ISC		Event type fe.						
ISCJB		Event type fe. Error ellipse: s-maj=8.7km s-min=4.2km az=43.1.						
IDC		Error ellipse: s-maj=51.3km s-min=24.3km az=27.0.						
NEIC		Event type fe. Error ellipse: s-maj=12.1km s-min=5.7km az=222.0. Felt at Cobano, Esparza, Jaco, Paquera and in the Valle Central.						
CASC		Error ellipse: s-maj=6.4km s-min=6.1km az=-1.0.						
		(39) Central California						
ISC	**X**	**03 00 01 21.8–.46**	**35.06N–.02**	**119.14W–.02**	**17–3**		**56**	**0-4**
ISCJB	X	03 00 01 22.1–.33	35.06N–.02	119.14W–.02	27–3			**¶12065746**
NEIC	X	03 00 01 22.8	35.06N	119.12W	18	3.1L		
ISC		Event type fe.						
ISCJB		Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=171.6.						
NEIC		Event type fe. Felt in the Arvin-Wheeler Ridge area. After PAS.						
		(250) Mindoro						
ISC	**X**	**03 09 17 12.3–1.0**	**13.42N–.04**	**120.33E–.05**	**12–6**	**4.5b,3.6s**	**77**	**0-91**
NEIC	X	03 09 17 11.3–.42	13.42N	120.45E	10	4.7b,3.6s		**¶12065770**
MAN	X	03 09 17 11	13.45N	120.34E	9	4.9b,3.9s		
ISCJB	X	03 09 17 12.5–.90	13.42N–.04	120.29E–.05	25–7	4.5b,3.6s		
IDC	X	03 09 17 14.4–2.4	13.45N	120.44E	34–18	4.3,4.2		
ISC		Event type fe.						
NEIC		Event type fe. Error ellipse: s-maj=11.4km s-min=9.0km az=65.0. Felt [I PIVS] at Puerto Galera.						
MAN		Event type fe. INTENSITY I - PUERTO GALERA MAMBURA.						
ISCJB		Event type fe. Error ellipse: s-maj=8.8km s-min=5.8km az=159.4.						
IDC		Error ellipse: s-maj=24.8km s-min=13.6km az=70.0.						
		(130) Catamarca Province						
ISC	**X**	**03 12 45 09.5–.72**	**28.03S–.07**	**66.1W–.10**	**10**	**4.0b**	**19**	**4-149**
ISCJB	X	03 12 45 07.2–.73	28.01S–.07	66.1W–.10	10	4.0b		**¶12065781**
IDC	X	03 12 45 07.7–.88	28.06S	66.24W	0	3.8,3.7		
NEIC	X	03 12 45 09.1–.48	28.03S	66.15W	10	4.2,3.7		
ISC		Event type fe.						
ISCJB		Event type fe. Error ellipse: s-maj=14.9km s-min=8.1km az=30.0.						
IDC		Error ellipse: s-maj=28.6km s-min=14.4km az=121.0.						
NEIC		Event type fe. Error ellipse: s-maj=12.8km s-min=8.9km az=127.0. Felt [IV] at Poman and [III] at San Fernando.						
		(706) Northern Sumatera						
ISC	**X**	**03 14 07 34.0–.54**	**2.07N–.05**	**99.16E–.06**	**48–6**	**4.1b,3.5s**	**62**	**1-82**
IDC	X	03 14 07 27.2–1.1	2.00N	99.01E	0	4.0,3.9b		**¶12065783**
DJA	X	03 14 07 31	1.96N	99.01E	10	4.3,3.9b		
ISCJB	X	03 14 07 32.7–.54	2.07N–.05	99.15E–.06	55–5	4.1b,3.5s		
NEIC	X	03 14 07 32.3–.44	2.01N	99.05E	35	4.3b,3.5s		
ISC		Event type fe.						
IDC		Error ellipse: s-maj=41.4km s-min=17.8km az=71.0.						
ISCJB		Event type fe. Error ellipse: s-maj=10.8km s-min=5.1km az=143.6.						
NEIC		Event type fe. Error ellipse: s-maj=12.3km s-min=7.7km az=64.0. Felt [III] at Sibolga.						
		(224) Hokkaido region						
ISC	**X**	**03 19 22 57.6–.27**	**41.93N–.03**	**142.35E–.04**	**67–2**	**4.0b**	**157**	**0-87**
NIED	X	03 19 22 00	41.90N	142.30E	53	4.1W		**¶13395905**
MOS	X	03 19 22 56.2–.97	41.94N	142.43E	75	4.5b		
ISCJB	X	03 19 22 56.6–.26	41.93N–.03	142.36E–.04	74–2	4.0b		
JMA	X	03 19 22 57.2–.20	41.91N	142.35E	68–3	4.0		
IDC	X	03 19 22 58.4–.62	41.96N	142.31E	71–5	4.0,3.9		
NEIC	X	03 19 22 58.3–.32	41.97N	142.37E	74	4.3b,3.9		
ISC		Event type fe.						
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s89.00000°,δ81.00000°,λ116.00000°. NP2:ϕ_s197.00000°,δ27.00000°,λ20.00000°. $M_0$1.74000×10^{15}						
MOS		Error ellipse: s-maj=11.4km s-min=7.0km az=83.7.						
ISCJB		Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=42.6.						
JMA		Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.						
IDC		Error ellipse: s-maj=13.2km s-min=7.5km az=102.0.						
NEIC		Event type fe. Error ellipse: s-maj=8.1km s-min=6.2km az=133.0. Recorded [2 JMA] in southwestern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu.						
		(703) Andaman Islands region						
ISC	**X**	**03 21 20 25.0–.62**	**10.74N–.02**	**91.71E–.02**	**29–4**	**5.4b,5.1s**	**898**	**9-165**
IDC	X	03 21 20 20.6–.30	10.80N	91.74E	0	5.2,5.2b		**¶13395914**
BJI	X	03 21 20 21.7	10.55N	91.67E	32	5.4b,5.3s		
ISCJB	X	03 21 20 21.4–.63	10.72N–.02	91.70E–.02	17–4	5.4b,5.1s		
SZGRF	X	03 21 20 21.8	10.38N	92.11E	33	5.4b,4.8s		
MOS	X	03 21 20 22.8–.96	10.80N	91.70E	26	5.6b,4.9s		
NEIC	X	03 21 20 23.8–2.1	10.76N	91.66E	19–12	5.6W,5.5b		
DJA	X	03 21 20 25	10.61N	91.77E	24	5.6W,5.5b		
TEH	X	03 21 20 26.0	10.76N	91.69E	35	5.6W,5.5b		
GCMT	X	03 21 20 27.2–.10	10.83N	91.80E	12	5.4W,5.5b		
ISC		Event type fe.						
IDC		Error ellipse: s-maj=10.6km s-min=8.6km az=33.0.						
ISCJB		Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=25.8.						
SZGRF		Andaman Islands, India, region.						
MOS		Error ellipse: s-maj=6.4km s-min=3.5km az=120.6.						
NEIC		Event type fe. Error ellipse: s-maj=5.3km s-min=3.6km az=210.0. Felt at Port Blair. Moment Tensor Solution. s62 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.89 $M_{\theta\theta}$0.87 $M_{\phi\phi}$1.02 $M_{r\theta}$0.43 $M_{\theta\phi}$0.23 $M_{\phi r}$-2.78 Best double couple: NP1:ϕ_s196.00000°,δ15.00000°,λ-70.00000°. NP2: ϕ_s355.00000°,δ76.00000°,λ-95.00000°. Principal axes: T 2.7000,Plg31.0000°,Azm89.0000° ; N 0.9300,Plg4.0000°,Azm356.0000°; P -3.6300,Plg58.0000°,Azm258.0000° $M_0$3.30000×10^{17}						
GCMT		Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=207, per= 50. Moment Tensor Solution. s85,c145; s34,c35; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.45±.02 $M_{\theta\theta}$-0.07±.02; $M_{\phi\phi}$1.52±.02; $M_{r\theta}$0.74±.05; $M_{\theta\phi}$0.12±.01; $M_{\phi r}$-0.15±.04; Best double couple: NP1:ϕ_s206.00000°,δ48.00000°,λ-57.00000°. NP2:ϕ_s342.00000°,δ52.00000°,λ-121.00000°. Principal axes: T 1.5300,Plg2.0000°,Azm93.0000°; N 0.2500,Plg24.0000°,Azm2.0000° ; P -1.7800,Plg66.0000°,Azm188.0000° $M_0$1.70000×10^{17}						
		(460) Wyoming						
ISC	**X**	**03 21 27 45.6–.40**	**43.68N–.03**	**105.18W–.05**	**0**		**40**	**1-68**
IDC	X	03 21 27 41.7–2.2	43.18N	105.13W	0	4.2,4.0		**¶12065822**
ISCJB	X	03 21 27 43.8–.42	43.69N–.03	105.16W–.05	0	4.2,4.0		
NEIC	X	03 21 27 45.8–.36	43.68N	105.21W	0	3.1L,4.0		
ISC		Event type fm.						
IDC		Error ellipse: s-maj=50.2km s-min=8.2km az=156.0.						
ISCJB		Event type fm. Error ellipse: s-maj=5.1km s-min=4.9km az=43.8.						
NEIC		Event type fm. Error ellipse: s-maj=5.1km s-min=4.5km az=150.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.						
		(224) Hokkaido region						
JMA	**X**	**04 07 24 17.3–.10**	**45.03N**	**141.95E**	**10–3**	**3.5**		**¶15148019**
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.						
		(662) Sakhalin Island						
ISC	**X**	**04 09 20 06.9–.59**	**47.09N–.03**	**142.55E–.07**	**10–4**	**3.9b**	**77**	**0-83**
MOS	X	04 09 20 04.6–1.2	47.04N	142.47E	10	4.0b		**¶12065889**
ISCJB	X	04 09 20 05.3–.53	47.13N–.02	142.56E–.06	12–4	3.9b		
IDC	X	04 09 20 05.1–.64	47.07N	142.46E	0	4.0,3.9b		
JMA	X	04 09 20 05.1–.50	47.18N	143.09E	16	4.2,3.9b		
SKHL	X	04 09 20 05.3–.50	47.16N	142.65E	10–0	4.3b,4.1s		
NEIC	X	04 09 20 06.3–1.5	47.05N	142.45E	8–10	4.3b,4.1s		
ISC		Event type fe.						
MOS		Event type fe. Error ellipse: s-maj=17.6km s-min=10.5km az=99.5. Felt (IV-V) at Sinegorsk, Bikov; (III-IV) at Yuzhno-Sakhalinsk, Bereznyaki, Novoaleksandrovk, Yelochki, Klyuchi, Dal'nee. Moment Tensor Solution.						
ISCJB		Event type fe. Error ellipse: s-maj=7.3km s-min=3.4km az=162.8.						
IDC		Error ellipse: s-maj=19.0km s-min=15.4km az=109.0.						
JMA		Error ellipse: s-maj=4.4km s-min=4.5km az=-1.0.						
SKHL		Event type fe. Felt (IV-V) at Sinegorsk, Bykov, (III-IV) at Yushno-Sakhalinsk, Novoaleksandrovsk. Dal'neye, Kluchi, Elochki, Bereznyaki.						
NEIC		Event type se. Error ellipse: s-maj=10.9km s-min=7.9km az=122.0.						
		(377) Spain						
ISC	**X**	**04 09 50 01.7–.27**	**37.10N–.01**	**5.42W–.01**	**11–2**		**359**	**0-7**
ISCJB	X	04 09 50 00.5–.28	37.17N–.02	5.44W–.01	3–2			**¶11339696**
CSEM	X	04 09 50 01.6–.09	37.08N	5.42W	10	3.5L		
IGIL	X	04 09 50 02.5	37.08N	5.42W	0	3.3L		
SFS	X	04 09 50 02.0	37.07N	5.42W	8	2.9L		
LDG	X	04 09 50 02.5–.12	37.04N	5.46W	5–0	3.1L		
MDD	X	04 09 50 02.8–.21	37.06N	5.43W	8–2	2.9		
NEIC	X	04 09 50 02.9	37.08N	5.42W	8	3.1L,2.9		
INMG	X	04 09 50 03.5–1.7	37.07N	5.41W	15–3	2.9L,2.9		
CNRM	X	04 09 50 09.8	36.94N	5.34W	30	3.1,2.9		
ISC		Event type fe.						
ISCJB		Event type fe. Error ellipse: s-maj=2.8km s-min=1.8km az=6.8.						
CSEM		Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=6.0.						
SFS		Event type ke.						
LDG		Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=7.0.						
MDD		Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=172.0. EMS: III CORIPE. PRXIMO.						
NEIC		Event type se. After MDD.						
INMG		Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=13.0.						
CNRM		Event type ke.						
		(479) Colorado						
NEIC	**X**	**04 12 41 20.9–.38**	**37.26N**	**104.75W**	**5**	**3.4L**		**¶11328049**
NEIC		Event type fe. Error ellipse: s-maj=6.7km s-min=4.6km az=77.0. Felt at Gulnare, La Veta and Trinidad.						
		(327) Lake Baykal region						
ISC	**X**	**04 12 52 28.0–.31**	**51.44N–.02**	**104.55E–.03**	**10**	**3.2b**	**127**	**0-79**
ISCJB	X	04 12 52 26.6–.33	51.42N–.03	104.58E–.03	10	3.2b		**¶12065900**
MOS	X	04 12 52 27.4–1.2	51.42N	104.54E	10	4.7b		
NEIC	X	04 12 52 27.9	51.41N	104.53E	9	4.7b		
BYKL	X	04 12 52 28.3–.17	51.40N	104.51E	19–2	4.7b		
IDC	X	04 12 52 31.2–2.0	51.02N	103.93E	0	3.6L,3.5		
ISC		Event type fe.						
ISCJB		Event type fe. Error ellipse: s-maj=3.9km s-min=2.4km az=157.8.						
MOS		Event type fe. Error ellipse: s-maj=11.6km s-min=7.6km az=79.7. Felt (III) at Baykal'sk. Moment Tensor Solution.						
NEIC		Event type se. After BYKL.						
BYKL		Event type se. FELT I=II-III MSK at Baykalsk, II at Irkutsk, Zakamensk.						
IDC		Error ellipse: s-maj=42.1km s-min=16.7km az=35.0.						
		(327) Lake Baykal region						
ISC	**X**	**04 13 34 12.1–.29**	**51.38N–.02**	**104.54E–.02**	**10**	**3.8b**	**115**	**1-52**
ISCJB	X	04 13 34 10.5–.32	51.35N–.02	104.54E–.03	10	3.8b		**¶13395967**
NEIC	X	04 13 34 11.6–.77	51.29N	104.29E	10	3.7b		
IDC	X	04 13 34 11.3–1.2	51.32N	104.23E	0	3.7,3.6b		
MOS	X	04 13 34 13.2–1.1	51.42N	104.41E	14	4.7b,3.6b		
BYKL	X	04 13 34 14.1–.24	51.43N	104.49E	25–3	4.7b,3.6b		
ISC		Event type fe.						
ISCJB		Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=163.2.						
NEIC		Event type se. Error ellipse: s-maj=15.5km s-min=8.3km az=223.0.						
IDC		Error ellipse: s-maj=22.8km s-min=15.2km az=55.0.						
MOS		Event type fe. Error ellipse: s-maj=14.9km s-min=8.8km az=74.9. Felt (II-III) at Slyudyanka, Baykal'sk; (II) at Irkutsk, Zakamensk. Moment Tensor Solution.						
BYKL		Event type se. FELT I=II-III MSK at Baykalsk,Slyudyanka, II at Irkutsk, Zakamensk.						
		(216) Mariana Islands						
ISC	**X**	**04 13 35 13.7–.12**	**17.68N–.03**	**145.66E–.02**	**195**	**4.6b**	**583**	**16-148**
BJI	X	04 13 35 03.1	16.88N	146.63E	195	4.7b,4.5b		**¶11328051**
DJA	X	04 13 35 10	17.66N	145.87E	171	5.2b,4.5b		
MOS	X	04 13 35 11.7–1.1	17.68N	145.49E	202	4.5b,4.5b		
ISCJB	X	04 13 35 12.1–.12	17.69N–.03	145.59E–.02	193	4.6b,4.5b		
NEIC	X	04 13 35 12.7–.16	17.63N	145.65E	193	4.7b,4.5b		
IDC	X	04 13 35 13.2–.57	17.66N	145.57E	198–5	4.4,4.4		
ISC		Event type fe.						
MOS		Error ellipse: s-maj=10.2km s-min=6.2km az=101.3.						
ISCJB		Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=157.2.						
NEIC		Event type fe. Error ellipse: s-maj=4.9km s-min=4.2km az=136.0. Recorded [1 JMA] in the Chichijima-retto, Japan.						
IDC		Error ellipse: s-maj=11.5km s-min=7.5km az=97.0.						
		(212) Bonin Islands region						
ISC	**X**	**04 13 35 31.8–1.0**	**27.01N–.08**	**141.7E–.20**	**64–11**	**4.2b**	**22**	**0-84**
NIED	X	04 13 35 00	26.90N	141.60E	80	4.5W		**¶11748070**
IDC	X	04 13 35 25.1–2.3	27.32N	141.26E	0	4.3,4.2		
ISCJB	X	04 13 35 30.6–1.1	27.08N–.08	141.6E–.20	66–12	4.1b,4.2		

JMA X 04 13 35 32.7–.20 26.94N 141.62E 51 4.6,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ69.00000°,λ58.00000°. NP2:ϕ_s154.00000°,δ37.00000°,λ145.00000°. $M_0$5.54000×10^{15}
IDC Error ellipse: s-maj=77.2km s-min=19.5km az=26.0.
ISCJB Event type fe. Error ellipse: s-maj=32.7km s-min=9.2km az=164.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.

(99) Northern Colombia

ISC	**X**	**04 14 17 38.2–.19**	**6.70N–.02**	**72.88W–.02**	**163**	**4.8b**	**723**	**0-168**
ISCJB	X	04 14 17 36.5–.19	6.70N–.02	72.94W–.02	161	4.8b		**¶13395968**
FUNV	X	04 14 17 37.3	6.69N	73.17W	169	4.9W		
NEIC	X	04 14 17 37.6–.14	6.74N	72.91W	159	4.9b		
MOS	X	04 14 17 38.2–1.0	6.85N	73.03W	169	4.8b		
IDC	X	04 14 17 38.2–.51	6.75N	72.93W	163–4	4.6,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=158.3.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.9km az=81.0. Felt in Antioquia and at Bogota, Bucaramanga, Cucuta, Ibaque and Manizales.
MOS Error ellipse: s-maj=9.9km s-min=5.7km az=117.7.
IDC Error ellipse: s-maj=11.2km s-min=8.9km az=65.0.

(285) Sumbawa region

ISC	**X**	**04 15 20 01.0–1.0**	**8.10S–.04**	**117.99E–.03**	**29–9**	**4.2b**	**70**	**1-76**
NEIC	X	04 15 19 57.2–3.7	8.03S	118.01E	3–24	4.3b		**¶12065909**
IDC	X	04 15 19 57.1–.87	8.05S	118.00E	0	4.3L,4.2		
ISCJB	X	04 15 19 59.8–.53	8.10S–.04	118.00E–.03	38–6	4.2b,4.2		
DJA	X	04 15 20 01	8.05S	117.95E	39	4.6,4.2		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=15.4km s-min=6.1km az=51.0. Felt [III] at Dompu.
IDC Error ellipse: s-maj=44.6km s-min=16.7km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.3km az=26.5.

(277) Jawa

ISC	**X**	**04 15 54 21.2–.34**	**7.83S–.05**	**107.69E–.03**	**10**	**4.2b**	**65**	**0-144**
ISCJB	X	04 15 54 18.7–.34	7.82S–.05	107.62E–.04	10	4.2b		**¶12065912**
IDC	X	04 15 54 19.2–.54	7.69S	107.90E	0	4.3,4.2		
NEIC	X	04 15 54 20.6–.31	7.63S	108.02E	10	4.5b,4.2		
DJA	X	04 15 54 30	7.97S	108.01E	12	4.7,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.9km az=18.4.
IDC Error ellipse: s-maj=26.2km s-min=13.8km az=58.0.
NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=6.8km az=64.0. Felt [III] at Pangandaran.

(460) Wyoming

ISC	**X**	**04 18 51 28.6–.43**	**43.71N–.04**	**105.22W–.05**	**0**	**3.6b**	**41**	**1-61**
ISCJB	X	04 18 51 27.0–.45	43.73N–.04	105.24W–.05	0	3.6b		**¶12065924**
IDC	X	04 18 51 27.2–1.6	43.70N	105.53W	0	3.8,3.6b		
NEIC	X	04 18 51 28.6–.36	43.71N	105.23W	0	3.0L,3.6b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=6.0km s-min=5.6km az=147.9.
IDC Error ellipse: s-maj=41.4km s-min=8.1km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=5.2km s-min=4.6km az=144.0. 70 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**X**	**04 20 06 06.9–.38**	**43.75N–.04**	**105.26W–.05**	**0**	**4.4b**	**49**	**1-68**
ISCJB	X	04 20 06 04.7–.40	43.79N–.04	105.23W–.05	0	4.4b		**¶12065930**
IDC	X	04 20 06 04.5–2.1	43.57N	105.29W	0	4.1b,3.9		
NEIC	X	04 20 06 06.6–.34	43.78N	105.25W	0	3.1L,3.9		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.5km s-min=4.8km az=163.7.
IDC Error ellipse: s-maj=61.5km s-min=9.0km az=152.0.
NEIC Event type fm. Error ellipse: s-maj=4.9km s-min=4.3km az=169.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**X**	**04 21 33 37.3–.53**	**43.80N–.05**	**105.20W–.06**	**0**		**33**	**1-20**
IDC	X	04 21 33 34.4–2.2	43.48N	105.26W	0	3.6,3.4		**¶12065935**
ISCJB	X	04 21 33 36.3–.58	43.80N–.05	105.26W–.07	0	3.6,3.4		
NEIC	X	04 21 33 37.2–.51	43.79N	105.19W	0	3.0L,3.4		

ISC Event type fm.
IDC Error ellipse: s-maj=48.2km s-min=10.0km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=7.2km s-min=6.5km az=143.5.
NEIC Event type fm. Error ellipse: s-maj=6.7km s-min=6.2km az=174.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(572) Lake Tanganyika region

ISC	**X**	**05 00 02 14.2–1.3**	**1.21S–.03**	**29.07E–.03**	**12–8**	**5.1b,4.7s**	**608**	**2-132**
MOS	X	05 00 02 11.6–1.5	1.19S	29.10E	10	5.3b,4.8s		**¶13396016**
IDC	X	05 00 02 12.2–.49	1.04S	29.26E	0	4.8,4.7b		
ISCJB	X	05 00 02 12.6–.18	1.18S–.03	29.04E–.03	14	5.1b,4.7s		
NEIC	X	05 00 02 12.6–.28	1.13S	29.12E	4	5.3W,5.2b		
BJI	X	05 00 02 12.0	0.97S	28.88E	18	5.3b,5.1s		
GCMT	X	05 00 02 15.5–.10	1.05S	29.29E	12	5.3W,5.1s		
DJA	X	05 00 02 15	1.29S	29.28E	10	4.9b,5.1s		
SZGRF	X	05 00 02 28.1	0.33N	29.73E	33	5.2b,4.7s		

ISC Event type fe.
MOS Error ellipse: s-maj=9.2km s-min=3.2km az=99.6.
IDC Error ellipse: s-maj=17.7km s-min=11.4km az=91.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.7km az=168.7.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=5.9km az=80.0. Felt at Kigali, Rwanda. Also felt at Kisoro and Mbarara, Uganda. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s225.00000°,δ78.00000°,λ-62.00000°. NP2:ϕ_s336.00000°,δ30.00000°,λ-156.00000°. Principal axes: T 1.1500,Plg27.0000°,Azm293.0000°; N 0.0500,Plg27.0000°,Azm38.0000° ; P -1.2000,Plg49.0000°,Azm165.0000° $M_0$1.20000×10^{17}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s68,c100; s93,c170; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s347.00000°,δ41.00000°,λ-131.00000°. NP2:ϕ_s217.00000° ,δ60.00000°,λ-60.00000°. Principal axes: T 1.0900,Plg10.0000°,Azm286.0000° ; N -0.0900,Plg26.0000°,Azm21.0000°; P -1.0000,Plg62.0000°,Azm176.0000° $M_0$1.00000×10^{17}
SZGRF Zaire.

(224) Hokkaido region

ISC	**X**	**05 01 54 07.6–.28**	**41.94N–.03**	**142.30E–.03**	**63–2**	**4.4b**	**233**	**0-89**
BJI	X	05 01 53 53.6	41.30N	143.22E	33	4.8b,4.6b		**¶13396022**
NIED	X	05 01 54 00	41.90N	142.30E	56	4.2W,4.6b		
ISCJB	X	05 01 54 06.7–.28	41.95N–.03	142.30E–.03	69–2	4.3b,4.6b		
JMA	X	05 01 54 06.8–.20	41.91N	142.32E	69–3	3.8,4.6b		
MOS	X	05 01 54 06.4–.93	42.00N	142.24E	64	4.7b,4.6b		
NEIC	X	05 01 54 07.1–.59	42.01N	142.25E	57–5	4.5b,4.1W		
IDC	X	05 01 54 09.3–.67	42.04N	142.24E	77–5	4.0,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ64.00000°,λ70.00000°. NP2:ϕ_s240.00000°,δ32.00000°,λ124.00000°. $M_0$2.09000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=147.3.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s163.00000°,δ14.00000°,λ37.00000°. NP2: ϕ_s36.00000°,δ82.00000°,λ101.00000°. Principal axes: T Plg52.0000°,Azm319.0000° ; N Plg11.0000°,Azm215.0000°; P Plg36.0000°,Azm117.0000°
MOS Error ellipse: s-maj=9.1km s-min=6.0km az=102.7.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.0km az=165.0. Recorded [1 JMA] in southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$2.10000×10^{15}
IDC Error ellipse: s-maj=13.4km s-min=7.4km az=104.0.

(2) Southern Alaska

ISC	**X**	**05 05 42 23.1–.31**	**60.09N–.03**	**152.52W–.06**	**99–3**	**4.3b**	**131**	**0-163**
BJI	X	05 05 42 19.0	60.10N	152.40W	83	4.9b,4.8s		**¶13396035**
ISCJB	X	05 05 42 21.9–.31	60.10N–.03	152.53W–.06	105–3	4.3b,4.8s		
NEIC	X	05 05 42 24.4	60.09N	152.50W	89	4.4b,4.8s		
IDC	X	05 05 42 25.1–.95	60.34N	152.45W	107–7	4.0,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.3km az=161.2.
NEIC Event type fe. Felt [IV] at Nikolaevsk; [III] at Anchor Point, Chugiak, Homer, Kasilof, Palmer and Soldotna; [II] at Sterling. Also felt at Ninilchik. After AEIC.
IDC Error ellipse: s-maj=13.6km s-min=12.3km az=177.0.

(115) Near coast of Peru

ISC	**X**	**05 12 29 39.6–1.0**	**16.2S–.10**	**72.73W–.08**	**116–14**	**4.2b**	**18**	**4-148**
ISCJB	X	05 12 29 38.3–1.1	16.2S–.10	72.72W–.08	120–15	4.2b		**¶12066001**
IDC	X	05 12 29 38.9–1.7	16.19S	72.69W	108–16	4.1b,3.9		
NEIC	X	05 12 29 39.8–1.0	16.20S	72.69W	116–10	4.5b,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.7km s-min=8.8km az=30.0.
IDC Error ellipse: s-maj=22.5km s-min=12.8km az=27.0.
NEIC Event type fe. Error ellipse: s-maj=17.3km s-min=12.1km az=46.0. Felt [II] at Camana, Chuquibamba and Ocona.

(523) Central Mexico

ISC	**X**	**05 13 29 24.5–.41**	**24.79N–.03**	**107.31W–.04**	**10**		**85**	**2-47**
ISCJB	X	05 13 29 22.1–.40	24.79N–.03	107.39W–.03	10			**¶12066009**
IDC	X	05 13 29 23.3–4.8	25.00N	106.85W	0	3.8,3.6		
MEX	X	05 13 29 25.1–.73	24.88N	107.43W	5–11	4.7,3.6		
NEIC	X	05 13 29 26.1	24.88N	107.39W	10	3.8b,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.8km az=7.2.
IDC Error ellipse: s-maj=72.5km s-min=23.1km az=143.0.
MEX Error ellipse: s-maj=3.1km s-min=7.3km az=-1.0.
NEIC Event type fe. Felt at Culiacan. After MEX.

(719) Tajikistan-Xinjiang border region

ISC	**X**	**05 15 52 50.1–.07**	**39.56N–.01**	**73.79E–.01**	**29**	**6.9s,6.2b**	**2076**	**2-167**
LDG	X	05 15 52 43.3–.13	39.34N	73.87E	10–0	6.8s,6.4b		**¶13396075**
IDC	X	05 15 52 45.0–.31	39.49N	73.88E	0	7.0,7.0s		
KNET	X	05 15 52 44.0–2.2	39.43N	73.69E	0–0	6.7L,7.0s		
BJI	X	05 15 52 47.4	39.58N	73.67E	27	7.0s,6.7		
ISCJB	X	05 15 52 48.1–.07	39.55N–.01	73.76E–.01	27	6.9s,6.2b		
NNC	X	05 15 52 48.7–3.8	39.60N	73.50E	7–18	6.8b,6.7		
SZGRF	X	05 15 52 48.6	39.64N	74.24E	22	7.4s,6.4b		
NEIC	X	05 15 52 49.4–.09	39.53N	73.82E	27	6.9s,6.6W		
MOS	X	05 15 52 50.2–.88	39.52N	73.83E	52	6.9s,6.5b		
DJA	X	05 15 52 51	39.62N	73.96E	19	7.0W,6.5b		
BGS	X	05 15 52 58.1–1.4	40.09N	72.47E	33–0	7.3s,6.1b		
GCMT	X	05 15 53 01.1–.10	39.50N	73.64E	12	6.7W,6.1b		

ISC Event type de.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=4.9km az=24.0.
IDC Error ellipse: s-maj=7.4km s-min=7.3km az=149.0.
KNET Error ellipse: s-maj=24.5km s-min=12.2km az=35.0.
ISCJB Event type de. Error ellipse: s-maj=1.9km s-min=1.4km az=20.3.
NNC Error ellipse: s-maj=21.3km s-min=13.2km az=8.0.
SZGRF Southern Xinjiang, China.
NEIC Event type de. Error ellipse: s-maj=2.7km s-min=1.8km az=181.0. At least 74 people killed, 140 injured and dozens of buildings destroyed at Nura. Felt [II] at Bishkek. Also felt at Osh. Some buildings damaged in Wuqia Xian, China. Felt at Kashi. Felt [IV] at Dushanbe, Tajikistan. Also felt at Gharm and Khorugh. Felt [IV] at Taraz and [III] at Almaty, Kazakhstan. Also felt at Shymkent. Felt at Islamabad, Pakistan and Tashkent, Uzbekistan. Complex earthquake observed on broadband displacement seismograms. Energy computed from CMT mechanism.
MOS Event type fe. Error ellipse: s-maj=4.9km s-min=2.8km az=131.9. Felt (IV) at Dushanbe; (III-IV) at Taraz; (II-III) at Alma-Ata; (II) at Bishkek. Moment Tensor Solution. $M_0$1.10000×10^{19}
BGS Error ellipse: s-maj=250.5km s-min=369.5km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 109 sta. Surface waves: sta=120, comp=302, per= 50. Moment Tensor Solution. s110,c252; s99,c217; Moment tensor: Scale 10^{19}Nm; M_{rr}1.27±.01 $M_{\theta\theta}$-1.30±.01; $M_{\phi\phi}$0.03±.01; $M_{r\theta}$0.38±.02; $M_{\theta\phi}$-0.41±.01; $M_{\phi r}$-0.06±.03; Best double couple: NP1:ϕ_s246.00000°,δ38.00000° ,λ78.00000°. NP2:ϕ_s82.00000°,δ53.00000°,λ99.00000°. Principal axes: T 1.3400,Plg79.0000°,Azm31.0000°; N 0.1300,Plg8.0000°,Azm256.0000° ; P -1.4600,Plg7.0000°,Azm165.0000° $M_0$1.40000×10^{19}

(719) Tajikistan-Xinjiang border region

ISC	**X**	**05 16 11 11.5–.34**	**39.51N–.02**	**73.87E–.02**	**40–3**	**6.2s,5.5b**	**1129**	**2-153**
LDG	X	05 16 11 03.7–.17	39.31N	73.88E	10–0	5.6b,5.5b		**¶13396080**
IDC	X	05 16 11 04.9–.28	39.47N	73.96E	0	5.4b,5.4		
ISCJB	X	05 16 11 06.7–.77	39.48N–.02	73.85E–.02	18–5	6.2s,5.5b		
NNC	X	05 16 11 09.4–1.9	39.71N	73.80E	0	5.9b,5.6		
BJI	X	05 16 11 09.0	39.66N	73.98E	26	6.7b,6.0s		
SZGRF	X	05 16 11 10.8	39.05N	73.69E	33	5.4b,6.0s		
NEIC	X	05 16 11 10.4–.11	39.51N	73.89E	35	5.6b,6.0s		
DJA	X	05 16 11 10	39.30N	74.07E	10	5.8b,6.0s		
MOS	X	05 16 11 10.9–.97	39.54N	73.93E	55	5.7b,6.0s		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=9.1km s-min=5.8km az=3.0.
IDC Error ellipse: s-maj=8.0km s-min=7.4km az=29.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=23.9.
NNC Error ellipse: s-maj=17.0km s-min=8.8km az=6.0.
SZGRF Tajikistan-Xinjiang border region.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=13.0. Felt at Almaty, Kazakhstan; Bishkek, Kyrgyzstan; Tashkent, Uzbekistan.
MOS Error ellipse: s-maj=5.3km s-min=3.2km az=131.8.

(460) Wyoming

ISC	**X**	**05 20 33 39.4–.40**	**43.74N–.04**	**105.22W–.05**	**0**	**3.9b**	**51**	**1-90**
ISCJB	X	05 20 33 37.9–.42	43.73N–.04	105.25W–.05	0	3.9b		**¶12066061**
IDC	X	05 20 33 37.3–2.1	43.52N	105.31W	0	3.9,3.8b		
NEIC	X	05 20 33 39.4–.28	43.74N	105.25W	0	3.2L,3.8b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.6km s-min=5.3km az=146.9.
IDC Error ellipse: s-maj=58.0km s-min=9.6km az=155.0.
NEIC Event type fm. Error ellipse: s-maj=4.1km s-min=3.6km az=148.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(709) Southeastern Afghanistan

ISC	**X**	**05 22 56 27.8–.38**	**33.87N–.01**	**69.49E–.01**	**1–2**	**6.0s,5.5b**	**1485**	**1-173**
SZGRF	X	05 22 56 25.8	32.97N	70.27E	49	5.9s,5.7b		**¶13396130**
ISCJB	X	05 22 56 27.3–.09	33.87N–.01	69.50E–.01	10	6.0s,5.5b		
IDC	X	05 22 56 27.1–.29	33.91N	69.56E	0	5.8,5.8s		
NEIC	X	05 22 56 28.9–.15	33.89N	69.47E	10	6.0s,5.9W		
IGIL	X	05 22 56 28.8	33.94N	69.51E	10	5.7s,5.9W		
NNC	X	05 22 56 28.7–3.9	33.80N	68.81E	27–40	5.5b,5.9W		
DJA	X	05 22 56 29	33.99N	69.45E	0	5.3b,5.9W		
BJI	X	05 22 56 30.0	34.07N	69.65E	20	6.3s,6.1		
BGS	X	05 22 56 30.4–3.7	32.90N	68.97E	10–0	5.4b,6.1		
MOS	X	05 22 56 30.9–1.3	33.92N	69.58E	35	5.9s,5.7b		
GCMT	X	05 22 56 31.3–.10	33.91N	69.48E	17–0	6.0W,5.7b		

ISC Event type fe.
SZGRF Pakistan.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=11.7.
IDC Error ellipse: s-maj=6.6km s-min=5.7km az=6.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=8.0. Felt [IV] at Gardiz and [II] at Kabul. Also felt at Pol-e Alam. Moment Tensor Solution. s57 Moment tensor: Scale 10^{17}Nm; M_{rr}0.79 $M_{\theta\theta}$-5.28 $M_{\phi\phi}$4.48 $M_{r\theta}$0.13 $M_{\theta\phi}$-2.71 $M_{\phi r}$-0.96 Best double couple: NP1:ϕ_s211.00000° ,δ82.00000°,λ9.00000°. NP2:ϕ_s120.00000°,δ81.00000°,λ172.00000°. Principal axes: T 5.3800,Plg11.0000°,Azm75.0000°; N 0.6000,Plg78.0000°,Azm250.0000° ; P -5.9800,Plg0.0000°,Azm345.0000° $M_0$5.70000×10^{17} Moment Tensor Solution. $M_0$6.70000×10^{17}
NNC Error ellipse: s-maj=28.8km s-min=24.7km az=161.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=5.0km s-min=2.8km az=127.7.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=243, per= 50. Moment Tensor Solution. s102,c197; s53,c81; Moment tensor: Scale 10^{18}Nm; M_{rr}0.10±.01 $M_{\theta\theta}$-1.05±.01; $M_{\phi\phi}$0.95±.01; $M_{r\theta}$0.28±.03; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$0.00±.02; Best double couple: NP1:ϕ_s218.00000°,δ80.00000°,λ-8.00000°. NP2:ϕ_s310.00000°,δ82.00000°,λ-170.00000°. Principal axes: T 0.9700,Plg2.0000°,Azm84.0000°; N 0.1600,Plg77.0000°,Azm346.0000° ; P -1.1300,Plg13.0000°,Azm174.0000° $M_0$1.10000×10^{18}

(259) Mindanao

ISC	**X**	**06 00 13 36.1–.66**	**7.32N–.06**	**125.13E–.06**	**33–6**	**3.8b**	**30**	**0-96**
IDC	X	06 00 13 33.3–1.5	7.18N	126.30E	0	3.7,3.5		**¶12066078**
NEIC	X	06 00 13 34.5–.42	7.18N	126.22E	10	4.2b,3.5		
MAN	X	06 00 13 35	7.30N	125.14E	24	4.7b,3.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=30.5km s-min=10.6km az=0.0.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=7.2km az=47.0. Felt [III PIVS] at Cotabato and Kabacan; [II PIVS] at Kidapawan.

MAN Event type fe. INTENSITY III - KABACAN COTABATO CITY; INTENSITY II - BRGY PEREZ.

(306) Xizang

ISC	**X**	**06 08 30 45.0–.45**	**29.84N–.01**	**90.38E–.01**	**6–2**	**6.2s,6.0b**	**1846**	**1-163**
BGS	X	06 08 30 36.0–1.9	27.98N	90.55E	12–0	6.3s,5.9b		**¶13396168**
DMN	X	06 08 30 41.2–.35	30.24N	90.82E	10–0	6.2L,5.9b		
IDC	X	06 08 30 43.5–.31	29.76N	90.36E	0	6.1,6.1s		
ISCJB	X	06 08 30 43.5–.07	29.83N–.01	90.36E–.01	8	6.2s,6.0b		
BJI	X	06 08 30 43.7	29.81N	90.35E	11	6.8L,6.7s		
MOS	X	06 08 30 44.5–1.2	29.76N	90.36E	19	6.2b,6.1s		
SZGRF	X	06 08 30 44.8	29.42N	90.96E	33	6.3b,6.2s		
LDG	X	06 08 30 44.0–.38	30.13N	90.13E	10–0	6.2b,6.0s		
NEIC	X	06 08 30 45.6–.10	29.81N	90.35E	12	6.3W,6.2s		
DJA	X	06 08 30 47	29.70N	90.34E	10	6.7W,6.2s		
TEH	X	06 08 30 49.0	29.76N	90.41E	27	6.7W,6.2s		
GCMT	X	06 08 30 52.3–.10	29.66N	90.50E	12	6.3W,6.2s		

ISC Event type de.
BGS Error ellipse: s-maj=379.2km s-min=414.4km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=8.5km s-min=6.7km az=151.0.
IDC Error ellipse: s-maj=11.9km s-min=7.8km az=59.0.
ISCJB Event type de. Error ellipse: s-maj=2.1km s-min=1.4km az=26.0.
MOS Error ellipse: s-maj=5.5km s-min=2.8km az=126.2.
SZGRF Xizang.
LDG Event type ke. Error ellipse: s-maj=17.3km s-min=4.9km az=134.0.
NEIC Event type de. Error ellipse: s-maj=3.4km s-min=2.4km az=207.0. Ten people killed, at least 25 injured and many structures damaged in Damxung, Doilungdeqen and Nyemo. Felt [IV] at Lhasa. Also felt at Thimphu, Bhutan. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s108 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.66 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$1.74 $M_{r\theta}$-0.36 $M_{\theta\phi}$0.71 $M_{\theta r}$0.27 Best double couple: NP1:ϕ_s35.00000°,δ45.00000°,λ-67.00000°. NP2:ϕ_s184.00000° ,δ49.00000°,λ-111.00000°. Principal axes: T 1.9900,Plg2.0000°,Azm288.0000° ; N -0.2000,Plg16.0000°,Azm197.0000°; P -1.7900,Plg73.0000°,Azm26.0000° M_o1.90000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=119, comp=272, per= 50. Moment Tensor Solution. s113,c255; s94,c177; Moment tensor: Scale 10^{18}Nm; M_{rr}-2.76±.02 $M_{\theta\theta}$-0.65±.02; $M_{\phi\phi}$3.41±.02; $M_{r\theta}$-0.68±.06; $M_{\theta\phi}$1.83±.02; $M_{\theta r}$0.59±.05; Best double couple: NP1:ϕ_s44.00000°,δ48.00000°,λ-55.00000°. NP2:ϕ_s178.00000°,δ53.00000°,λ-122.00000°. Principal axes: T 4.1300,Plg3.0000°,Azm291.0000°; N -0.9600,Plg25.0000°,Azm199.0000° ; P -3.1700,Plg65.0000°,Azm26.0000° M_o3.70000×10^{18}

(706) Northern Sumatera

ISC	**X**	**06 12 43 59.2–.17**	**5.44N–.03**	**94.55E–.03**	**55**	**5.0b,4.0s**	**417**	**1-160**
MOS	X	06 12 43 55.8–.96	5.61N	94.58E	36	5.3b,4.0s		**¶11331063**
BJI	X	06 12 43 56.2	5.45N	94.61E	54	5.1b,5.1b		
ISCJB	X	06 12 43 57.3–.17	5.45N–.04	94.56E–.03	53	5.0b,4.0s		
IDC	X	06 12 43 59.0–.36	5.53N	94.60E	53–3	4.5,4.5		
TEH	X	06 12 43 58.0	5.31N	94.45E	56	4.5,4.5		
SZGRF	X	06 12 43 59.6	4.50N	93.50E	52	4.9b,4.5		
NEIC	X	06 12 43 59.6–.64	5.42N	94.53E	60–5	5.0b,4.5		
DJA	X	06 12 44 00	5.31N	94.55E	54	5.1b,4.5		

ISC Event type fe.
MOS Error ellipse: s-maj=10.4km s-min=4.8km az=126.2.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=2.8km az=30.1.
IDC Error ellipse: s-maj=13.5km s-min=6.7km az=43.0.
SZGRF Off west coast of northern Sumatera, Indonesia.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.8km az=214.0. Felt [III] at Banda Aceh.

(249) Luzon

ISC	**X**	**06 16 20 57.0–1.0**	**13.07N–.02**	**124.32E–.03**	**19–6**	**4.7b,4.0s**	**215**	**1-150**
ISCJB	X	06 16 20 55.7–.71	13.10N–.02	124.32E–.03	23–5	4.7b,4.0s		**¶11331073**
GCMT	X	06 16 20 55.7–.30	13.11N	124.29E	19–1	4.8W,4.0s		
IDC	X	06 16 20 55.7–4.1	12.96N	124.32E	17–25	4.4,4.4		
MAN	X	06 16 20 55	13.10N	124.26E	14	4.8b,3.8s		
MOS	X	06 16 20 56.7–1.3	12.95N	124.28E	35	4.9b,4.1s		
NEIC	X	06 16 20 58.1–2.1	12.97N	124.31E	34–15	4.9b,4.1s		
BJI	X	06 16 20 58.8	13.03N	124.25E	44	4.7b,4.6b		
DJA	X	06 16 21 01	13.24N	124.50E	59	4.8b,4.6b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.3km az=169.4.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s15,c21; s65,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.85±.14 $M_{\theta\theta}$1.67±.10; $M_{\phi\phi}$-0.83±.09; $M_{r\theta}$-0.03±.17; $M_{\theta\phi}$1.23±.06; $M_{\theta r}$0.68±.21; Best double couple: NP1:ϕ_s108.00000°,δ63.00000°,λ-23.00000°. NP2:ϕ_s209.00000°,δ70.00000°,λ-151.00000°. Principal axes: T 2.1900,Plg5.0000° ,Azm337.0000°; N -0.4200,Plg55.0000°,Azm240.0000°; P -1.7800,Plg35.0000° ,Azm70.0000° M_o2.00000×10^{16}
IDC Error ellipse: s-maj=19.7km s-min=11.0km az=74.0.
MAN Event type fe. INTENSITY IV - IROSIN SORSOGON; SORSOGON CITY; INTENSITY III - VIRAC CATANDUANES.
MOS Error ellipse: s-maj=14.7km s-min=6.6km az=121.0.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.8km az=77.0. Felt [IV PIVS] at Irosin and Sorsogon, Luzon. Felt [III PIVS] at San Andres and Virac, Catanduanes.

(224) Hokkaido region

ISC	**X**	**06 19 54 16.5–.36**	**41.16N–.02**	**142.24E–.04**	**53–3**	**4.3b,3.5s**	**162**	**1-89**
NIED	X	06 19 54 00	41.20N	142.30E	44	4.3W,3.5s		**¶13396251**
MOS	X	06 19 54 15.3–.94	41.18N	142.26E	60	4.6b,3.5s		
ISCJB	X	06 19 54 15.6–.36	41.15N–.02	142.25E–.04	61–3	4.3b,3.5s		
JMA	X	06 19 54 15.9–.10	41.15N	142.28E	50–3	4.2,3.5s		
IDC	X	06 19 54 17.6–.56	41.17N	142.14E	63–5	3.9,3.8		
NEIC	X	06 19 54 17.6–.32	41.19N	142.23E	63	4.6b,4.3W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ74.00000°,λ103.00000°. NP2:ϕ_s161.00000°,δ21.00000°,λ51.00000°. M_o3.11000×10^{15}
MOS Error ellipse: s-maj=11.6km s-min=7.2km az=92.5.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.5km az=29.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=18.0km s-min=9.4km az=103.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.2km az=124.0. Moment Tensor Solution. M_o3.10000×10^{15}

(460) Wyoming

ISC	**X**	**06 20 08 30.9–.43**	**43.79N–.04**	**105.23W–.05**	**0**	**4.2b**	**50**	**1-90**
ISCJB	X	06 20 08 29.5–.45	43.81N–.04	105.26W–.06	0	4.2b		**¶12066185**
IDC	X	06 20 08 29.1–2.7	43.56N	105.39W	0	4.1b,4.1		
NEIC	X	06 20 08 30.9–.33	43.78N	105.24W	0	3.2L,4.1		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=6.0km s-min=5.7km az=43.9.
IDC Error ellipse: s-maj=78.4km s-min=8.8km az=153.0.
NEIC Event type fm. Error ellipse: s-maj=4.8km s-min=4.2km az=144.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(115) Near coast of Peru

ISC	**X**	**07 00 51 22.3–.87**	**12.3S–.10**	**76.8W–.20**	**83–5**	**4.0b**	**29**	**0-136**
ISCJB	X	07 00 51 21.2–1.0	12.3S–.10	76.9W–.20	88–6	4.0b		**¶12066239**
NEIC	X	07 00 51 21.0	12.25S	76.94W	78	4.2b		
IDC	X	07 00 51 24.0–1.5	12.10S	76.98W	69–11	3.9,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=34.4km s-min=12.3km az=150.6.
NEIC Event type fe. Felt [III] at Lima. After LIM.
IDC Error ellipse: s-maj=43.7km s-min=19.5km az=61.0.

(159) North Island

WEL	**X**	**07 02 12 04.1–.14**	**38.45S**	**177.85E**	**31–1**	**3.9L**		**¶11492353**

WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.

(251) Samar

ISC	**X**	**07 03 34 36.5–.16**	**11.41N–.02**	**125.52E–.03**	**53**	**5.3b,4.4s**	**501**	**2-166**
MOS	X	07 03 34 33.5–.83	11.30N	125.36E	43	5.7b,4.7s		**¶13396279**
BJI	X	07 03 34 34.3	11.10N	125.54E	69	5.3b,5.2b		
ISCJB	X	07 03 34 34.6–.16	11.42N–.02	125.57E–.03	51	5.3b,4.4s		
IDC	X	07 03 34 35.9–.36	11.30N	125.45E	50–3	4.8,4.8		
NEIC	X	07 03 34 35.3–.14	11.27N	125.42E	45	5.4b,5.4W		
MAN	X	07 03 34 37	11.40N	125.39E	38	5.7b,5.2s		
GCMT	X	07 03 34 38.0–.20	11.42N	125.63E	54–0	5.3W,5.2s		
DJA	X	07 03 34 39	11.80N	125.56E	109	5.0b,5.2s		

ISC Event type fe.
MOS Error ellipse: s-maj=8.9km s-min=4.6km az=117.1.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=10.4.
IDC Error ellipse: s-maj=11.6km s-min=7.9km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.7km az=70.0. Felt [IV PIVS] at Borongan and [III PIVS] at Can-Avid. Also felt [IV PIVS] at Tacloban; [III PIVS] at Alangalang and Palo; [II PIVS] at Saint Bernard, Leyte. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17} Nm; M_{rr}1.17 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-1.53 $M_{r\theta}$0.05 $M_{\theta\phi}$0.08 $M_{\theta r}$0.27 Best double couple: NP1:ϕ_s2.00000° ,δ51.00000°,λ95.00000°. NP2:ϕ_s173.00000°,δ39.00000°,λ84.00000°. Principal axes: T 1.2000,Plg83.0000°,Azm303.0000°; N 0.3600,Plg3.0000°,Azm178.0000° ; P -1.5600,Plg5.0000°,Azm87.0000° M_o1.40000×10^{17}
MAN Event type fe. INTENSITY IV - BORONGAN E. SAMAR; TACLOBAN LEYTE; INTENSITY III - ALANG-ALANG LEYTE; CAN-AVID SAMAR; PALO.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c131; s87,c160; Moment tensor: Scale 10^{17}Nm; M_{rr}0.88±.02 $M_{\theta\theta}$0.16±.02; $M_{\phi\phi}$-1.05±.02; $M_{r\theta}$0.20±.01; $M_{\theta\phi}$0.16±.01; $M_{\theta r}$0.25±.02; Best double couple: NP1:ϕ_s156.00000°,δ41.00000°,λ65.00000°. NP2:ϕ_s8.00000°,δ53.00000°,λ110.00000°. Principal axes: T 0.9700,Plg73.0000° ,Azm332.0000°; N 0.1200,Plg16.0000°,Azm176.0000°; P -1.1000,Plg7.0000°,Azm84.0000° M_o1.00000×10^{17}

(227) Eastern Honshu

ISC	**X**	**07 06 22 32.0–.62**	**39.53N–.04**	**141.40E–.08**	**123–4**	**3.6b**	**37**	**0-45**
IDC	X	07 06 22 25.5–10	40.26N	140.64E	0	3.7b,3.7		**¶12066250**
ISCJB	X	07 06 22 31.1–.60	39.53N–.04	141.39E–.08	127–4	3.6b,3.7		
NEIC	X	07 06 22 32.9	39.51N	141.32E	119	3.6,3.7		
JMA	X	07 06 22 32.8–.10	39.51N	141.32E	119–1	3.6,3.7		

ISC Event type fe.
IDC Error ellipse: s-maj=227.0km s-min=39.2km az=88.0.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=4.5km az=22.2.
NEIC Event type se. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**08 06 07 50.3–.26**	**35.51N–.02**	**140.05E–.03**	**56–2**	**4.8b,4.0s**	**689**	**0-118**
NIED	X	08 06 07 00	35.60N	140.20E	62	4.8W,4.0s		**¶13396364**
BJI	X	08 06 07 39.7	35.50N	141.03E	35	4.9b,4.7b		
SZGRF	X	08 06 07 43.2	34.86N	141.04E	33	5.2b,4.7b		
MOS	X	08 06 07 48.0–1.2	35.56N	140.04E	55	5.1b,4.7b		
JMA	X	08 06 07 48.7–.20	35.58N	140.14E	63–2	4.7,4.7b		
NEIC	X	08 06 07 48.5–.65	35.50N	140.07E	44–5	4.9b,4.8W		
IDC	X	08 06 07 49.8–.45	35.47N	140.10E	62–4	4.4,4.3		
ISCJB	X	08 06 07 49.4–.26	35.50N–.03	140.05E–.02	62–2	4.8b,4.3		
GCMT	X	08 06 07 51.7–.40	35.56N	140.33E	58–2	4.9W,4.3		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s257.00000°,δ90.00000°,λ55.00000°. NP2:ϕ_s167.00000°,δ35.00000°,λ180.00000°. M_o1.76000×10^{16}
SZGRF Off east coast of Honshu, Japan.
MOS Error ellipse: s-maj=8.7km s-min=5.5km az=105.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s191.00000°,δ29.00000°,λ-148.00000°. NP2: ϕ_s73.00000°,δ75.00000°,λ-65.00000°. Principal axes: T Plg26.0000°,Azm143.0000° ; N Plg24.0000°,Azm246.0000°; P Plg53.0000°,Azm13.0000°
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.9km az=149.0. Felt at Tokyo and Yokosuka. Recorded [3 JMA] in Chiba and Kanagawa; [2 JMA] in Ibaraki, Saitama, Shizuoka, Tochigi and Tokyo; [1 JMA] in Gumma, Nagano and Yamanashi. Also recorded [1 JMA] on Miyake-jima. Moment Tensor Solution. M_o1.80000×10^{16}
IDC Error ellipse: s-maj=9.9km s-min=6.0km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=9.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s25,c29; s69,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.82±.18 $M_{\theta\theta}$0.33±.14; $M_{\phi\phi}$0.49±.13; $M_{r\theta}$-1.50±.08; $M_{\theta\phi}$2.20±.09; $M_{\theta r}$0.03±.09; Best double couple: NP1:ϕ_s183.00000°,δ53.00000°,λ-165.00000°. NP2:ϕ_s83.00000°,δ78.00000°,λ-38.00000°. Principal axes: T 2.9100,Plg16.0000° ,Azm138.0000°; N -0.3400,Plg50.0000°,Azm249.0000°; P -2.5700,Plg35.0000° ,Azm36.0000° M_o2.70000×10^{16}

(227) Eastern Honshu

ISC	**X**	**08 09 07 21.8–.54**	**39.06N–.03**	**140.95E–.04**	**3–5**	**3.6b**	**29**	**0-63**
NIED	X	08 09 07 00	39.10N	140.90E	5	3.8W		**¶14109007**
IDC	X	08 09 07 17.3–2.5	39.17N	141.43E	0	3.9,3.7b		
ISCJB	X	08 09 07 21.1–.51	39.08N–.03	140.94E–.04	12–5	3.6b,3.7b		
NEIC	X	08 09 07 21.6	39.07N	140.92E	8	3.5,3.7b		
JMA	X	08 09 07 21.5	39.07N	140.92E	8–1	3.5,3.7b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ48.00000°,λ80.00000°. NP2:ϕ_s48.00000°,δ43.00000°,λ101.00000°. M_o5.97000×10^{14}
IDC Error ellipse: s-maj=55.0km s-min=30.0km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=5.0km az=35.7.
NEIC Event type se. After JMA.
JMA Event type fe.

(2) Southern Alaska

ISC	**X**	**08 09 53 03.1–.55**	**60.70N–.02**	**143.86W–.03**	**15–3**	**5.3b,4.7s**	**1053**	**0-167**
BGS	X	08 09 52 56.5–1.8	60.35N	145.96W	10–0	5.7b,4.7s		**¶11339743**
BJI	X	08 09 53 00.0	60.79N	144.36W	7	5.2s,5.2b		
MOS	X	08 09 53 00.7–.85	60.73N	143.81W	11	5.6b,4.7s		
IDC	X	08 09 53 00.2–.36	60.65N	143.75W	0	5.2,5.2b		
ISCJB	X	08 09 53 01.9–.46	60.72N–.02	143.83W–.03	19–3	5.3b,4.7s		
NEIC	X	08 09 53 01.6	60.71N	143.72W	8	5.4b,5.4L		
PGC	X	08 09 53 04.7–11	60.67N	143.37W	10	5.5L,5.1W		
DJA	X	08 09 53 05	59.98N	145.44W	29	5.5b,5.1W		
GCMT	X	08 09 53 05.1–.20	60.83N	143.83W	20–1	5.2W,5.1W		
SZGRF	X	08 09 53 13.0	61.63N	143.60W	14	5.9b,4.4s		

ISC Event type fe.
BGS Error ellipse: s-maj=284.1km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=3.2km az=94.1.
IDC Error ellipse: s-maj=10.0km s-min=7.1km az=42.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=37.4.
NEIC Event type fe. Felt [III] at Copper Center. Also felt at Anchorage, Cordova and Valdez. After AEIC. Moment Tensor Solution. M_o6.80000×10^{16} Moment Tensor Solution. M_o5.60000×10^{16}
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0. 168km east of Valdez, Ak Southern Alaska.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s58,c79; s97,c153; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.25±.21 $M_{\theta\theta}$0.80±.15; $M_{\phi\phi}$2.45±.15; $M_{r\theta}$5.29±.43; $M_{\theta\phi}$-3.78±.10; $M_{\theta r}$-0.42±.26; Best double couple: NP1:ϕ_s173.00000°,δ35.00000°,λ-29.00000°. NP2:ϕ_s287.00000°,δ74.00000°,λ-122.00000°. Principal axes: T 7.0300,Plg22.0000° ,Azm41.0000°; N 0.2300,Plg30.0000°,Azm297.0000°; P -7.2600,Plg51.0000°,Azm162.0000° M_o7.10000×10^{16}
SZGRF Southern Alaska, United States.

(306) Xizang

ISC	**X**	**08 14 07 15.4–.58**	**29.77N–.02**	**90.34E–.01**	**2–3**	**5.3b,5.0s**	**919**	**1-161**
ISCJB	X	08 14 07 14.8–.10	29.74N–.02	90.32E–.02	11	5.3b,5.0s		**¶13396405**
IDC	X	08 14 07 14.8–.33	29.79N	90.41E	0	5.1,5.1		
MOS	X	08 14 07 15.5–.94	29.69N	90.32E	18	5.7b,4.9s		
BJI	X	08 14 07 16.9	29.96N	90.59E	11	5.6s,5.6b		
SZGRF	X	08 14 07 16.7	29.17N	90.68E	33	5.5b,4.9s		
LDG	X	08 14 07 16.9–.39	30.20N	89.98E	10–0	5.7b,4.7s		
NEIC	X	08 14 07 16.3–.11	29.76N	90.33E	9	5.6b,5.5		
DMN	X	08 14 07 19.2–1.1	30.14N	90.28E	2–0	5.5L,5.5		
DJA	X	08 14 07 20	29.73N	90.54E	27	5.2b,5.5		
GCMT	X	08 14 07 22.4–.10	29.76N	90.57E	15–0	5.5W,5.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=17.8.
IDC Error ellipse: s-maj=10.2km s-min=6.5km az=53.0.
MOS Error ellipse: s-maj=6.5km s-min=3.2km az=125.7.
SZGRF Xizang.
LDG Event type ke. Error ellipse: s-maj=18.3km s-min=4.7km az=137.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=27.0. Felt at Lhasa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s210.00000° ,δ60.00000°,λ-90.00000°. NP2:ϕ_s30.00000°,δ30.00000°,λ-90.00000°. Principal axes: T Plg15.0000°,Azm300.0000°; N Plg0.0000°,Azm0.0000°; P Plg75.0000°,Azm120.0000° Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.63 $M_{\theta\theta}$0.67 $M_{\phi\phi}$0.96 $M_{r\theta}$-0.08 $M_{\theta\phi}$0.26 $M_{\theta r}$0.06 Best double couple: NP1:ϕ_s33.00000°,δ45.00000°,λ-86.00000°. NP2:ϕ_s208.00000°,δ45.00000°,λ-94.00000°. Principal axes: T 1.1200,Plg0.0000° ,Azm300.0000°; N 0.5200,Plg2.0000°,Azm210.0000°; P -1.6400,Plg87.0000°,Azm35.0000° M_o1.40000×10^{17}
DMN Event type ke. Error ellipse: s-maj=26.6km s-min=20.8km az=176.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 96, comp=193, per= 50. Moment Tensor Solution. s63,c113; s34,c37; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84±.03 $M_{\theta\theta}$-0.44±.03; $M_{\phi\phi}$1.28±.03; $M_{r\theta}$-0.49±.05; $M_{\theta\phi}$1.43±.03; $M_{\phi r}$0.49±.05; Best double couple: NP1:ϕ_s69.00000°,δ62.00000°,λ-25.00000°. NP2:ϕ_s171.00000°,δ68.00000°,λ-150.00000°. Principal axes: T 2.1000,Plg4.0000°,Azm299.0000°; N -0.3500,Plg53.0000°,Azm204.0000° ; P -1.7500,Plg37.0000°,Azm32.0000° $M_0$1.90000×10^{17}

(377) Spain

ISC	**X**	**08 16 04 46.5–.25**	**37.13N–.02**	**5.39W–.01**	**11–2**		**378**	**0-7**
CNRM	X	08 16 04 42.8	36.94N	5.45W	30	3.5		**¶11348981**
ISCJB	X	08 16 04 45.3–.27	37.20N–.02	5.41W–.01	6–2	3.5		
LDG	X	08 16 04 46.8–.12	37.06N	5.43W	2–0	3.9L		
CSEM	X	08 16 04 46.6–.08	37.12N	5.39W	10	4.0L		
MDD	X	08 16 04 47.5–.20	37.06N	5.40W	10–0	3.5		
SFS	X	08 16 04 47.0	37.05N	5.40W	0	3.6L		
NEIC	X	08 16 04 47.6	37.07N	5.42W	11	3.9L,3.3		
INMG	X	08 16 04 48.0–1.3	37.05N	5.41W	16–2	3.5L,3.3		
IGIL	X	08 16 04 49.0	37.06N	5.41W	19	3.7L,3.3		

ISC Event type fe.
CNRM Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=12.9.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=6.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=5.0.
MDD Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=177.0. EMS: II MORN DE LA FRONTERA. PRXIMO.
SFS Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=177.0.

(249) Luzon

ISC	**X**	**08 17 25 39.7–.89**	**12.97N–.03**	**124.46E–.06**	**25–8**	**3.9b,3.7s**	**44**	**0-59**
IDC	X	08 17 25 35.9–.99	12.96N	124.38E	0	3.8,3.7		**¶12066349**
ISCJB	X	08 17 25 38.7–.74	12.99N–.04	124.52E–.06	35–8	3.9b,3.7s		
MAN	X	08 17 25 38	13.02N	124.31E	2	5.3b,4.5s		
NEIC	X	08 17 25 40.1–.65	13.24N	125.08E	35	4.4b,4.5s		

ISC Event type fe.
IDC Error ellipse: s-maj=69.4km s-min=17.4km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=5.4km az=160.3.
MAN Event type fe. INTENSITY II - LIGNON HILL ALBAY.
NEIC Event type fe. Error ellipse: s-maj=23.8km s-min=11.0km az=61.0. Felt [II PIVS] at Lignon Hill, Luzon.

(224) Hokkaido region

ISC	**X**	**08 17 52 45.2–.22**	**41.13N–.02**	**142.30E–.03**	**58**	**4.7b,3.8s**	**346**	**1-147**
NIED	X	08 17 52 00	41.10N	142.40E	38	4.5W,3.8s		**¶14109168**
BJI	X	08 17 52 41.1	41.00N	142.63E	54	5.0b,4.8b		
ISCJB	X	08 17 52 43.2–.22	41.09N–.02	142.37E–.03	56	4.7b,3.8s		
JMA	X	08 17 52 43.1–.10	41.07N	142.44E	34–4	4.5,3.8s		
MOS	X	08 17 52 43.1–.92	41.25N	142.19E	46	4.9b,3.8s		
SZGRF	X	08 17 52 44.0	40.88N	143.13E	58	4.6b,3.8s		
IDC	X	08 17 52 45.7–1.8	41.10N	142.39E	66–15	4.3,4.3		
NEIC	X	08 17 52 45.1–.22	41.15N	142.29E	58	4.7b,4.5W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ73.00000°,λ100.00000°. NP2:ϕ_s178.00000°,δ20.00000°,λ61.00000°. $M_0$6.50000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.6km az=43.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s201.00000°,δ43.00000°,λ101.00000°. NP2: ϕ_s6.00000°,δ48.00000°,λ80.00000°. Principal axes: T Plg82.0000°,Azm212.0000° ; N Plg8.0000°,Azm13.0000°; P Plg3.0000°,Azm103.0000°
MOS Error ellipse: s-maj=8.4km s-min=5.2km az=110.2.
SZGRF Off east coast of Honshu, Japan.
IDC Error ellipse: s-maj=13.8km s-min=9.4km az=122.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=146.0. Recorded [2 JMA] in Aomori and Iwate, Honshu. Recorded [1 JMA] in southern Hokkaido. Moment Tensor Solution. $M_0$6.50000×10^{15}

(460) Wyoming

ISC	**X**	**08 18 05 01.5–.43**	**43.74N–.05**	**105.24W–.06**	**0**	**4.1b**	**40**	**1-90**
ISCJB	X	08 18 05 00.1–.46	43.73N–.05	105.27W–.06	0	4.1b		**¶12066352**
IDC	X	08 18 05 01.9–2.2	43.94N	105.76W	0	4.0b,4.0		
NEIC	X	08 18 05 01.5–.40	43.73N	105.24W	0	3.4L,4.0		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=7.4km s-min=5.6km az=140.7.
IDC Error ellipse: s-maj=80.2km s-min=8.2km az=146.0.
NEIC Event type fm. Error ellipse: s-maj=6.1km s-min=4.8km az=142.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(249) Luzon

ISC	**X**	**08 19 09 24.4–.14**	**13.08N–.01**	**124.47E–.02**	**10**	**5.1b,4.8s**	**468**	**1-167**
ISCJB	X	08 19 09 22.8–.14	13.11N–.01	124.46E–.02	10	5.1b,4.8s		**¶13396431**
DJA	X	08 19 09 22	13.75N	124.34E	10	5.4b,4.8s		
IDC	X	08 19 09 22.2–.37	13.00N	124.36E	0	4.9,4.9		
MAN	X	08 19 09 25	13.07N	124.38E	18	5.9b,5.5s		
BJI	X	08 19 09 26.4	13.03N	124.45E	42	5.4b,5.1s		
MOS	X	08 19 09 26.1–.99	13.02N	124.38E	38	5.5b,4.8s		
GCMT	X	08 19 09 27.0–.10	13.09N	124.42E	27–0	5.4W,4.8s		
NEIC	X	08 19 09 28.5–.53	12.98N	124.36E	44–4	5.2b,4.8s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=179.4.
IDC Error ellipse: s-maj=13.5km s-min=9.9km az=68.0.
MAN Event type fe. INTENSITY V - LEGASPI CITY; SORSOGON CITY; IROSIN SORSOGON; INTENSITY IV - PANGANIBAN.
MOS Error ellipse: s-maj=8.9km s-min=5.1km az=117.2.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s83,c143; s97,c197; Moment tensor: Scale 10^{17}Nm; M_{rr}0.31±.02 $M_{\theta\theta}$0.59±.02; $M_{\phi\phi}$-0.90±.02; $M_{r\theta}$0.70±.04; $M_{\theta\phi}$1.01±.02; $M_{\phi r}$0.22±.04; Best double couple: NP1:ϕ_s14.00000°,δ65.00000°,λ160.00000°. NP2:ϕ_s112.00000°,δ72.00000°,λ26.00000°. Principal axes: T 1.5300,Plg31.0000° ,Azm335.0000°; N -0.1200,Plg59.0000°,Azm145.0000°; P -1.4200,Plg4.0000° ,Azm242.0000° $M_0$1.50000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.5km az=81.0. Felt [V PIVS] at Irosin, Legaspi and Sorsogon, Luzon. Felt [IV PIVS] at Catarman and [III PIVS] at Borongan, Catbalogan and Naga, Samar. Also felt [IV PIVS] at Panganiban and Virac, Catanduanes.

(250) Mindoro

ISC	**X**	**09 11 26 44.2–.85**	**13.41N–.08**	**120.45E–.08**	**10**	**3.5b**	**10**	**0-39**
ISCJB	X	09 11 26 42.8–.90	13.34N–.08	120.40E–.08	10	3.5b		**¶12066415**
IDC	X	09 11 26 43.2–1.3	13.25N	120.53E	0	3.8,3.6		
MAN	X	09 11 26 43	13.43N	120.43E	2	4.2b,3.1L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=10.8km az=161.7.
IDC Error ellipse: s-maj=32.0km s-min=10.6km az=107.0.
MAN Event type fe. INTENSITY I - PALUAN OCCIDENTAL MINDORO.

(135) Near coast of central Chile

ISC	**X**	**09 12 49 34.1–1.5**	**34.76S–.04**	**72.23W–.07**	**24–10**	**3.7b**	**48**	**1-84**
IDC	X	09 12 49 30.0–1.0	34.70S	72.31W	0	4.0,3.8		**¶12066424**
GUC	X	09 12 49 35.5–.56	34.80S	72.02W	43–2	4.2L,4.1		
NEIC	X	09 12 49 35.5	34.80S	72.02W	43	4.1,4.1		

ISC Event type fe.
IDC Error ellipse: s-maj=27.8km s-min=17.3km az=105.0.
GUC Error ellipse: s-maj=1.5km s-min=4.1km az=-1.0.
NEIC Event type fe. Felt [II] at Constitucion, Curico and Iloca. After GUC.

(227) Eastern Honshu

ISC	**X**	**09 15 28 35.3–.51**	**39.05N–.03**	**140.92E–.04**	**10–5**	**3.4b**	**19**	**0-63**
IDC	X	09 15 28 31.0–1.3	39.23N	141.62E	0	3.5,3.4		**¶12066439**
ISCJB	X	09 15 28 34.9–.51	39.06N–.03	140.93E–.05	20–6	3.4b,3.4		
JMA	X	09 15 28 35.3	39.05N	140.91E	8–1	3.3,3.4		

ISC Event type fe.
IDC Error ellipse: s-maj=37.9km s-min=25.3km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=5.5km az=167.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s18.00000°,δ38.00000°,λ99.00000°. NP2:ϕ_s187.00000°,δ52.00000°,λ83.00000°. Principal axes: T Plg81.0000°,Azm66.0000°; N Plg5.0000°,Azm191.0000°; P Plg7.0000° ,Azm282.0000°

(70) Guatemala

ISC	**X**	**09 16 12 49.0–.71**	**14.52N–.04**	**89.08W–.02**	**5–6**	**4.0b,3.3s**	**65**	**0-146**
IDC	X	09 16 12 46.3–1.5	14.44N	88.75W	0	4.3,4.0		**¶12066443**
ISCJB	X	09 16 12 47.7–.71	14.55N–.04	89.07W–.02	4–6	4.0b,3.3s		
NEIC	X	09 16 12 50.3–2.8	14.50N	89.01W	24–24	4.1b,4.0		
CASC	X	09 16 12 50.0–2.5	14.37N	89.14W	0–4	4.2L,4.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=33.7km s-min=27.0km az=44.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.2km az=22.2.
NEIC Event type fe. Error ellipse: s-maj=21.3km s-min=8.5km az=214.0. Felt at Copan. Felt [III] at San Ignacio, El Salvador.
CASC Error ellipse: s-maj=5.7km s-min=3.4km az=-1.0.

(307) Sichuan

ISC	**X**	**09 16 29 50.6–.75**	**29.37N–.02**	**104.86E–.03**	**12–4**	**4.5b,3.5s**	**293**	**2-142**
ISCJB	X	09 16 29 48.0–.76	29.32N–.02	104.87E–.03	7–4	4.5b,3.5s		**¶11342439**
IDC	X	09 16 29 48.3–.54	29.36N	104.84E	0	4.5,4.4		
MOS	X	09 16 29 49.2–.99	29.31N	104.88E	19	4.8b,4.4		
BJI	X	09 16 29 50.8	29.35N	104.96E	24	4.7b,4.5L		
NEIC	X	09 16 29 51.5–2.2	29.31N	104.81E	19–14	4.6b,4.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.3km az=41.1.
IDC Error ellipse: s-maj=19.7km s-min=11.8km az=51.0.
MOS Error ellipse: s-maj=9.3km s-min=5.2km az=119.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.7km az=211.0. Felt at Zigong.

(460) Wyoming

ISC	**X**	**09 18 05 10.0–.51**	**43.73N–.05**	**105.21W–.06**	**0**		**27**	**1-61**
ISCJB	X	09 18 05 08.8–.54	43.75N–.05	105.24W–.06	0			**¶12066451**
IDC	X	09 18 05 09.8–1.8	43.98N	105.70W	0	4.1,4.0b		
NEIC	X	09 18 05 10.1–.40	43.72N	105.23W	0	3.1L,4.0b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=7.1km s-min=6.7km az=178.0.
IDC Error ellipse: s-maj=60.9km s-min=8.7km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=5.6km s-min=4.9km az=161.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(543) Germany

ISC	**X**	**09 22 20 37.0–.16**	**50.210N–.01**	**12.47E–.02**	**10**		**461**	**0-10**
LDG	X	09 22 20 33.9–.19	50.20N	12.41E	10–0	3.8L		**¶13987995**
CLL	X	09 22 20 34.3–.41	50N–1.0	12E–2.0	8–1	3.1L		
NEIC	X	09 22 20 35.3	50.23N	12.55E	5	3.5L,3.4L		
VIE	X	09 22 20 36.7–.23	50.18N	12.42E	11–1	3.7L,2.7b		
CSEM	X	09 22 20 36.6–.10	50.22N	12.47E	19–0	4.2L,2.7b		
BGR	X	09 22 20 37.0–.23	50.22N	12.44E	11–2	3.8L,2.7b		
ISCJB	X	09 22 20 36.1–.16	50.166N–.01	12.44E–.02	10	3.8L,2.7b		
WBNET	X	09 22 20 37.9	50.22N	12.45E	10	3.0L,2.7b		
BNS	X	09 22 20 37.7–.27	50.16N	12.35E	5	3.3L,2.7b		
PRU	X	09 22 20 38.4	50.25N	12.53E	1	3.3L,2.7b		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=3.1km az=159.0.
NEIC Event type fe. Felt in the Sokolov-Karlovy Vary area. Also felt in the Auerbach-Selb area, Germany. After CSEM.
VIE Error ellipse: s-maj=3.1km s-min=1.6km az=55.0. 6 km SSW of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=114.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.3km az=175.3.
BNS Event type ke.
PRU West Bohemia Swarm-felt.

(266) Northern Molucca Sea

ISC	**X**	**09 23 27 55.2–.43**	**1.48N–.03**	**126.00E–.03**	**65–4**	**4.4b**	**136**	**1-130**
IDC	X	09 23 27 47.4–.51	1.45N	125.71E	0	4.4L,4.4b		**¶11342445**
NEIC	X	09 23 27 52.1–.66	1.51N	125.97E	36–6	4.7b,4.4b		
ISCJB	X	09 23 27 53.9–.48	1.49N–.03	125.99E–.03	69–4	4.4b,4.4b		
DJA	X	09 23 27 55.8–.30	1N–2.0	126E–2.0	47–7	5.4b,5.2		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Bitung, Indonesia.
ISCJB Event type fe.

(543) Germany

ISC	**X**	**10 00 39 44.5–.14**	**50.215N–.01**	**12.46E–.02**	**11–1**		**490**	**0-9**
ISCJB	X	10 00 39 43.7–.15	50.195N–.01	12.45E–.02	13–1			**¶11345875**
LDG	X	10 00 39 44.4–.23	50.19N	12.46E	10–0	3.7L		
VIE	X	10 00 39 44.0–.20	50.17N	12.42E	9–1	3.6L,2.7b		
CSEM	X	10 00 39 44.3–.08	50.21N	12.46E	10	3.9L,2.7b		
BGR	X	10 00 39 44.2–.23	50.22N	12.45E	11–2	3.6L,2.7b		
PRU	X	10 00 39 45.0	50.20N	12.51E	3	3.6L,2.7b		
CLL	X	10 00 39 45.4–.36	50N–1.0	12E–2.0	8–1	3.2L,2.7b		
NEIC	X	10 00 39 45.0	50.22N	12.46E	11	3.7L,3.5L		
WBNET	X	10 00 39 45.2	50.21N	12.44E	10	2.0L,3.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=13.1.
LDG Event type ke. Error ellipse: s-maj=7.4km s-min=3.7km az=166.0.
VIE Error ellipse: s-maj=2.1km s-min=1.4km az=68.0. 7 km SSW of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=115.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
PRU West Bohemia Swarm-felt.
NEIC Event type fe. Felt at Klingenthal, Germany. After SZGRF.

(92) Leeward Islands

ISC	**X**	**10 04 08 37.6–.67**	**15.06N–.03**	**60.38W–.06**	**46–7**	**3.8b**	**85**	**1-84**
IDC	X	10 04 08 32.7–2.6	15.13N	60.23W	11–17	4.0,3.8		**¶12066483**
NEIC	X	10 04 08 33.0–1.8	15.05N	60.15W	14–11	4.1b,3.8		
ISCJB	X	10 04 08 36.7–.64	15.06N–.03	60.38W–.06	57–6	3.8b,3.8		
TRN	X	10 04 08 36.6	15.03N	60.45W	35	4.0,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=20.4km s-min=8.9km az=100.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.2km az=224.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=3.6km az=165.6.
TRN Event type fe. Felt II Martinique.North East of M artinique. Felt II Martinique.

(533) United Kingdom

BGS	**X**	**10 04 28 39.3–.56**	**56.83N**	**5.56W**	**12–3**	**3.5L**		
CSEM	X	10 04 28 38.4–.19	56.84N	5.48W	15	3.5L		**¶13396528**
NEIC	X	10 04 28 39.3	56.83N	5.56W	12	3.5L		
IDC	X	10 04 28 39.2–2.4	56.83N	5.28W	0	4.1b,3.8		
BER	X	10 04 28 39.6–3.6	56.84N	5.50W	10–0	3.2,3.1L		
NAO	X	10 04 28 41.7–6.0	56.93N	4.95W	17–25	2.7L,3.1L		

BGS Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.1km az=72.0.
NEIC Event type fe. Felt [IV] at Glenfinnan. Also felt at Fort William. After BGS.
IDC Error ellipse: s-maj=31.9km s-min=17.2km az=80.0.
BER Error ellipse: s-maj=4.5km s-min=12.1km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.

(115) Near coast of Peru

ISC	**X**	**10 05 11 18.0–1.4**	**15.7S–.10**	**74.7W–.10**	**70–16**	**3.6b**	**18**	**4-148**
ISCJB	X	10 05 11 16.3–1.5	15.7S–.10	74.7W–.10	72–18	3.6b		**¶12066486**
IDC	X	10 05 11 17.2–2.3	15.68S	74.60W	56–21	3.7L,3.7		
NEIC	X	10 05 11 17.3–1.3	15.67S	74.65W	60–13	4.1,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=28.0km s-min=10.8km az=142.8.
IDC Error ellipse: s-maj=34.6km s-min=14.6km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=22.5km s-min=11.4km az=55.0. Felt [II] at Chala.

(135) Near coast of central Chile

ISC	**X**	**10 05 21 16.7–.77**	**39.93S–.03**	**73.3W–.10**	**53–6**	**4.4b,3.8s**	**59**	**1-88**
IDC	X	10 05 21 09.7–.78	39.80S	73.11W	0	4.5,4.4b		**¶12066487**
ISCJB	X	10 05 21 15.8–.69	39.93S–.03	73.2W–.10	61–5	4.4b,4.4b		
NEIC	X	10 05 21 16.4	39.94S	73.14W	47	4.6b,4.4b		
GUC	X	10 05 21 16.4–.41	39.94S	73.14W	47–2	4.7L,4.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=30.0km s-min=14.6km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=16.8km s-min=5.4km az=2.3.
NEIC Event type fe. Felt [IV] at Corral and [III] at Panguipulli and Valdivia. After GUC.
GUC Error ellipse: s-maj=1.1km s-min=14.0km az=-1.0.

(366) Turkey

ISC	**X**	**10 06 36 56.3–.36**	**39.48N–.01**	**33.04E–.02**	**7–2**	**4.3b,3.7s**	**588**	**0-83**
IDC	X	10 06 36 54.6–.49	39.45N	33.04E	0	4.3b,4.3		**¶13396540**
MOS	X	10 06 36 54.3–1.4	39.44N	33.04E	12	4.4b,4.3		
DDA	X	10 06 36 54.4	39.39N	33.11E	2–1	4.6L,4.3		
BJI	X	10 06 36 54.6	39.44N	32.47E	37	5.0s,4.8b		

CSEM X 10 06 36 55.9–.08 39.48N 33.05E 5 4.5b,3.8s
ISCJB X 10 06 36 56.0–.43 39.50N–.01 33.04E–.01 15–3 4.3b,3.7s
ISK X 10 06 36 55.1 39.45N 33.03E 8 4.6L,3.7s
THE X 10 06 36 57.9 39.67N 33.22E 27–43 4.6L,3.7s
NEIC X 10 06 36 59.0 39.46N 33.05E 7 4.5L,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=10.1km s-min=7.0km az=158.0.
MOS Error ellipse: s-maj=6.1km s-min=4.0km az=101.6.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=174.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=166.2.
THE Event type ke. Error ellipse: s-maj=43.9km s-min=2.5km az=67.0.
NEIC Event type fe. Felt at Ankara. After ISK.

(543) Germany

ISC X 10 08 08 45.4–.13 50.215N–.01 12.42E–.01 13–1 3.7b 836 0-38
MOS X 10 08 08 43.3–1.1 50.28N 12.34E 11 4.3b **¶11344593**
IDC X 10 08 08 44.6–.91 50.22N 12.47E 0 3.9b,3.8
ISCJB X 10 08 08 44.4–.13 50.179N–.01 12.38E–.01 14–1 3.7b,3.8
VIE X 10 08 08 45.1–.21 50.18N 12.44E 9–1 4.3L,3.4b
IPEC X 10 08 08 45.3–.11 50.19N 12.51E 5–1 4.1L,3.4b
CSEM X 10 08 08 45.4–.09 50.21N 12.42E 12–0 4.6L,4.0L
LDG X 10 08 08 45.3–.08 50.18N 12.45E 10–0 4.4L,4.0L
NEIC X 10 08 08 45.9 50.21N 12.46E 10 4.4L,4.1L
BGR X 10 08 08 45.1–.23 50.21N 12.45E 11–2 4.2L,4.1L
WBNET X 10 08 08 46.2 50.21N 12.44E 10 3.0L,4.1L
CLL X 10 08 08 46.6–.36 50N–1.0 12E–2.0 8–1 3.9L,4.1L
PRU X 10 08 08 46.2 50.20N 12.51E 1 3.9L,4.1L
BNS X 10 08 08 47.4–.33 50.15N 12.35E 5 4.0L,4.1L
LEDBW X 10 08 08 48.5–1.1 50.03N–.09 12.36E–.08 10–0 4.1L,4.1L
ISC Event type fe.
ISCJB Event type fe.
VIE 5 km SSW of Klingenthal .
IPEC Event type ke.
CSEM Event type ke.
LDG Event type ke.
NEIC Event type fe. Felt in the Sokolov-Karlovy Vary area. Also felt in the Klingenthal-Rodewisch area, Germany. After SZGRF.
BGR Event type ke.
PRU West Bohemia Swarm-felt.
BNS Event type ke.

(543) Germany

ISC X 10 11 18 40.8–.17 50.20N–.01 12.45E–.02 12–1 356 0-8
ISCJB X 10 11 18 40.0–.17 50.18N–.01 12.43E–.02 13–1 **¶11345966**
VIE X 10 11 18 40.6–.36 50.19N 12.45E 10–0 3.8L,2.6b
BGR X 10 11 18 40.6–.23 50.22N 12.45E 11–2 3.5L,2.6b
CSEM X 10 11 18 40.8–.10 50.20N 12.45E 10 3.2L,2.6b
PRU X 10 11 18 41.8 50.21N 12.51E 0 3.2L,2.6b
CLL X 10 11 18 41.9–.39 50N–1.0 12E–2.0 8–1 3.3L,2.6b
LDG X 10 11 18 41.0–.10 50.21N 12.42E 10–0 3.7L,2.6b
WBNET X 10 11 18 41.6 50.22N 12.44E 10 3.0L,2.6b
NEIC X 10 11 18 41.6 50.23N 12.45E 9 3.7L,3.7L
BNS X 10 11 18 43.9–.50 49.84N 12.23E 5 3.2L,3.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.8km az=6.9.
VIE Error ellipse: s-maj=8.4km s-min=2.3km az=58.0. 5 km S of Klingenthal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=119.0.
PRU West Bohemia Swarm-felt.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=131.0.
NEIC Event type fe. Felt at Klingenthal, Germany. After SZGRF.
BNS Event type ke.

(543) Germany

ISC X 10 13 51 34.1–.25 50.21N–.01 12.49E–.02 13–2 200 0-6
ISCJB X 10 13 51 33.6–.26 50.21N–.01 12.51E–.02 13–2 **¶11345982**
WBNET X 10 13 51 35.0 50.22N 12.45E 10 2.0L
CSEM X 10 13 51 34.0–.11 50.20N 12.48E 10 3.5L
BGR X 10 13 51 34.5–.23 50.22N 12.44E 11–2 2.8L
LDG X 10 13 51 34.4–.20 50.22N 12.42E 10–0 3.1L
NEIC X 10 13 51 35.1 50.21N 12.51E 0 3.1L,3.0L
CLL X 10 13 51 35.2–.38 50N–1.0 12E–2.0 8–1 2.6L,3.0L
PRU X 10 13 51 35.1 50.21N 12.51E 0 2.6L,3.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.3km az=8.6.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=100.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=3.5km az=157.0.
NEIC Event type fe. Felt at Klingenthal and Zwota, Germany. After PRU.
PRU West Bohemia Swarm-felt.

(45) California-Baja California border region

ISC X 10 18 04 00.2–.31 32.71N–.02 115.88W–.02 10–2 82 0-4
ISCJB X 10 18 03 59.8–.34 32.71N–.02 115.86W–.02 9–2 **¶11344606**
NEIC X 10 18 04 00.9 32.67N 115.94W 8 3.6L,3.3L
ECX X 10 18 04 01.4–.90 32.71N 115.92W 3–0 3.6L,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=5.4.
NEIC Event type fe. Felt in the Ocotillo area. After PAS.
ECX Error ellipse: s-maj=1.8km s-min=1.9km az=-1.0.

(137) San Juan Province

ISC X 10 18 26 54.0–.44 31.28S–.02 67.92W–.05 99–4 4.4b 121 0-163
ISCJB X 10 18 26 52.9–.46 31.28S–.02 67.93W–.05 104–4 4.4b **¶12066521**
GUC X 10 18 26 53.9–.76 31.30S 68.18W 150–0 4.7L
NEIC X 10 18 26 53.6–.40 31.30S 67.88W 99–3 4.8,4.5b
IDC X 10 18 26 54.1–.31 31.40S 68.14W 102–2 4.3,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.0km az=173.2.
GUC Error ellipse: s-maj=1.4km s-min=4.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.1km az=77.0. Felt [V] at San Juan and [IV] at Mendoza.
IDC Error ellipse: s-maj=15.5km s-min=10.1km az=112.0.

(224) Hokkaido region

ISC X 10 19 27 33.6–.28 41.49N–.02 142.01E–.03 60–2 4.7b 346 1-156
NIED X 10 19 27 00 41.50N 142.00E 53 4.5W **¶11344612**
MOS X 10 19 27 30.4–1.1 41.43N 141.89E 47 5.0b
BJI X 10 19 27 31.8 41.47N 142.02E 68 5.2b,4.8b
ISCJB X 10 19 27 32.7–.28 41.48N–.02 142.00E–.03 67–2 4.6b,4.8b
JMA X 10 19 27 33.3–.10 41.48N 142.01E 63–2 4.4,4.8b
NEIC X 10 19 27 34.3–.23 41.47N 141.93E 67 4.7b,4.5W
IDC X 10 19 27 34.4–.49 41.49N 141.90E 66–4 4.2,4.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ68.00000°,λ97.00000°. NP2:ϕ_s184.00000°,δ23.00000°,λ73.00000°. $M_0$7.11000×10^{15}
MOS Error ellipse: s-maj=8.3km s-min=5.1km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.2km az=38.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s195.00000°,δ17.00000°,λ84.00000°. NP2:ϕ_s21.00000°,δ73.00000°,λ92.00000°. Principal axes: T Plg62.0000°,Azm294.0000° ; N Plg2.0000°,Azm201.0000°; P Plg28.0000°,Azm110.0000°
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=139.0. Felt at Misawa, Honshu. Recorded [2 JMA] in southwestern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu. Moment Tensor Solution. $M_0$7.10000×10^{15}
IDC Error ellipse: s-maj=12.3km s-min=7.8km az=105.0.

(227) Eastern Honshu

ISC X 10 19 55 18.2–.51 38.87N–.03 140.87E–.04 5–6 3.8b 22 0-63
ISCJB X 10 19 55 17.9–.62 38.88N–.04 140.89E–.04 13–5 3.8b **¶12066532**
JMA X 10 19 55 18.3 38.88N 140.87E 5–1 3.3
IDC X 10 19 55 23.3–7.3 37.79N 141.48E 0 3.9,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.7km az=158.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s348.00000°,δ44.00000°,λ30.00000°. NP2:ϕ_s235.00000°,δ69.00000°,λ130.00000°. Principal axes: T Plg49.0000°,Azm189.0000°; N Plg37.0000°,Azm39.0000°; P Plg15.0000° ,Azm297.0000°
IDC Error ellipse: s-maj=163.2km s-min=22.2km az=171.0.

(306) Xizang

ISC X 10 21 18 47.0–.20 29.80N–.03 90.59E–.03 10 4.4b,4.0s 261 0-152
DMN X 10 21 18 38.4–.68 30.58N 91.06E 10–0 4.7L,4.0s **¶13396603**
BJI X 10 21 18 43.5 29.81N 90.50E 1 4.8b,4.6s
IDC X 10 21 18 45.0–.65 29.82N 90.59E 0 4.3,4.2
ISCJB X 10 21 18 45.1–.20 29.82N–.03 90.60E–.03 10 4.4b,4.0s
LDG X 10 21 18 45.7–.46 29.86N 90.46E 10–0 4.9b,3.7s
NEIC X 10 21 18 46.7–.19 29.80N 90.59E 10 4.6b,3.7s
MOS X 10 21 18 47.6–.86 29.74N 90.62E 29 4.8b,3.7s
ISC Event type fe.
DMN Event type ke. Error ellipse: s-maj=17.3km s-min=11.6km az=104.0.
IDC Error ellipse: s-maj=24.2km s-min=14.0km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=0.9.
LDG Event type ke. Error ellipse: s-maj=21.0km s-min=9.9km az=125.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.8km az=222.0. Felt at Lhasa.
MOS Error ellipse: s-maj=9.2km s-min=5.2km az=121.6.

(277) Jawa

ISC X 10 21 26 27.6–.41 7.75S–.04 111.41E–.03 33–3 4.2b,3.5s 75 0-72
IDC X 10 21 26 22.0–.86 7.60S 111.39E 0 4.3,4.2b **¶12066539**
ISCJB X 10 21 26 27.1–.30 7.76S–.04 111.46E–.03 51–3 4.2b,3.5s
NEIC X 10 21 26 27.0–.43 7.69S 111.45E 35 4.3b,3.5s
DJA X 10 21 26 28 7.79S 111.43E 9 4.7,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=37.3km s-min=14.8km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.7km az=18.7.
NEIC Event type fe. Error ellipse: s-maj=17.7km s-min=6.6km az=51.0. Felt [II] at Karangkates and Nganjuk.

(115) Near coast of Peru

ISC X 10 22 13 39.8–1.3 13.66S–.08 76.6W–.20 44–12 4.0s,4.0b 38 2-158
IDC X 10 22 13 33.6–.75 13.65S 76.60W 0 4.2,4.1 **¶11344614**
ISCJB X 10 22 13 38.1–1.5 13.69S–.08 76.7W–.10 47–13 4.0b,4.0s
NEIC X 10 22 13 40.2–1.2 13.56S 76.67W 47–11 4.1b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=31.8km s-min=12.0km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=24.7km s-min=8.2km az=153.0.
NEIC Event type fe. Error ellipse: s-maj=19.7km s-min=7.2km az=67.0. Felt at Lima.

(277) Jawa

ISC X 11 04 24 16.1–.76 7.01S–.05 106.76E–.04 5–5 3.9b 40 0-82
IDC X 11 04 24 12.0–1.5 6.59S 106.80E 0 4.1,4.0b **¶12066564**
NEIC X 11 04 24 13.7–1.1 6.78S 106.72E 10 4.1b,4.0b
ISCJB X 11 04 24 16.0–1.0 6.98S–.05 106.77E–.04 6–8 3.9b,4.0b
DJA X 11 04 24 17 6.99S 106.73E 10 4.3,4.0b
ISC Event type fe.
IDC Error ellipse: s-maj=166.3km s-min=25.9km az=38.0.
NEIC Event type fe. Error ellipse: s-maj=99.8km s-min=13.7km az=42.0. Felt [III] at Cibadak and [II] at Pelabuhanratu and Sukabumi.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=5.0km az=29.4.

(377) Spain

ISC X 11 05 40 14.0–.40 37.52N–.03 1.99W–.02 8–2 242 1-9
ISCJB X 11 05 40 13.1–.39 37.51N–.03 1.98W–.02 15–2 **¶11349033**
MDD X 11 05 40 14.7–.61 37.46N 1.91W 18–5 2.9
NEIC X 11 05 40 15.0 37.46N 1.89W 0 2.9
LDG X 11 05 40 14.2–.20 37.46N 1.90W 10–0 3.3L
CSEM X 11 05 40 14.0–.20 37.49N 1.97W 10 3.5L
INMG X 11 05 40 15.1–1.6 37.50N 1.94W 5–3 2.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.6km az=161.9.
MDD Error ellipse: s-maj=5.7km s-min=3.4km az=140.0. PRXIMO.
NEIC Event type fe. Felt at Huercal-Overa. After MDD.
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=2.3km az=140.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.5km az=155.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=145.0.

(337) Eastern Caucasus

ISC X 11 09 06 10.4–.30 43.42N–.01 46.34E–.01 12–1 5.6s,5.6b 2768 0-160
BGS X 11 09 05 53.8–2.0 42.13N 48.51E 17–0 5.2b,5.6b **¶13396641**
IDC X 11 09 06 07.5–.34 43.21N 46.29E 0 5.5s,5.5
ISCJB X 11 09 06 08.5–.30 43.40N–.01 46.32E–.01 9–1 5.6s,5.6b
BJI X 11 09 06 08.8 43.40N 46.30E 16 6.0s,5.9
MOS X 11 09 06 09.0–1.6 43.46N 46.34E 14 5.7b,5.6s
CSEM X 11 09 06 09.8–.05 43.42N 46.31E 10 5.7b,5.6W
PDA X 11 09 06 10.7 43.37N 46.25E 16 5.6b,5.6W
TEH X 11 09 06 10.0 43.29N 46.30E 10 5.6b,5.6W
NEIC X 11 09 06 10.8–.11 43.37N 46.25E 16 5.7W,5.6b
SZGRF X 11 09 06 10.7 43.31N 46.65E 33 5.8b,5.4s
GCMT X 11 09 06 15.9–.10 43.40N 46.19E 13–0 5.8W,5.4s
DJA X 11 09 06 21 42.71N 46.80E 71 5.8W,5.4s
NNC X 11 09 06 23.4–7.8 44.00N 47.05E 64–72 5.6b,5.4s
ISC Event type de.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=7.7km az=147.0.
ISCJB Event type de. Error ellipse: s-maj=1.8km s-min=1.2km az=17.0.
MOS Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=35.7. Fault plane solution: P-wave C79, D33 . Felt (VII-VIII) at Kurchaloy, Mayrtup, Bachi-Yurt; (VII) at Alleroy, Dzhugurta, Centora-Yurt, Noybera, Oyskhara, Kadi-Yurt, Mel'chhi, Ilaskhan-Yurt, Geldagana; (VI-VII) at Gudermes; (VI) at Cocin-Yurt, Darbankhi, Braguny, Koshkel'dy, Gerzel'-Aul, Azamat-Yurt, Shelkovskaya, Staroshedrinskaya, Tukhchar, Ishkhoy-Yurt, Gamiyakh, Meskety, Nozhay-Yurt, Gilyany, Regita, Akhkinchu-Borzoy, Marzoy-Mohk, Ca-Vedeno, Agishty, Shali, Chiri-Yurt, Chechen-Aul, Mesker-Yurt, Argun, Kizlyar, Novolakskoye; (V) at Dylym, Grozny, Alkhan-Kala, Petropavlovskaya, Zandak, Benoy, Tolsyoy-Yurt, Novoshedrinskaya, Chervl'enaya, Dyshne-Vedeno, Makhkety, Duba-Yurt, Urus-Martan, Goyty, Achkhoy-Martan, Sernovodsk, Pervomayskaya, Znamenskoye, Naurskaya, Starogladkovskaya, Kargalinskaya, Hasavyurt; (IV-V) at Uchkeken, Vodovod, Kumukh; (IV) at Terek, Vedi; (III-IV) at Georgievsk, Gofitskoye, Mozdok, Nalchyk, Svetlograd, Vladikavkaz, Pyatigorsk, Ardon, Makhachkala, Tbilisi; (III) at Sunzha, Lars, Tyrnyauz, Terskol', El'brusskoye, Zakukokoazhe, Fiagdon, Mikhaylovskoye; (II-III) at Derbent, Stavropol', Mekhel'ta, Armavir. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s54.00000°,δ51.00000°,λ53.00000°. NP2:ϕ_s284.00000°,δ51.00000°,λ127.00000°. Principal axes: T Plg62.0000°,Azm259.0000° ; N Plg28.0000°,Azm79.0000°; P Plg0.0000°,Azm349.0000°
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=19.0.
NEIC Event type de. Error ellipse: s-maj=3.1km s-min=2.1km az=180.0. Thirteen people killed, more than 100 injured and 1,027 buildings damaged in Chechnya. Felt in Dagestan, Ingushetiya, Severnaya Osetiya-Alaniya and Stavropol'skiy Kray. Also felt at Krasnodar. Felt [IV] at Tbilisi, Georgia. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s270.00000°,δ60.00000°,λ90.00000°. NP2:ϕ_s90.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000°,Azm180.0000° ; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm360.0000° Moment Tensor Solution. s107 Moment tensor: Scale 10^{17}Nm; M_{rr}3.66 $M_{\theta\theta}$-3.41 $M_{\phi\phi}$-0.25 $M_{r\theta}$-0.96 $M_{\theta\phi}$0.22 $M_{\phi r}$0.35 Best double couple: NP1:ϕ_s278.00000°,δ53.00000°,λ95.00000°. NP2:ϕ_s90.00000° ,δ37.00000°,λ84.00000°. Principal axes: T 3.8100,Plg81.0000°,Azm211.0000° ; N -0.2500,Plg3.0000°,Azm95.0000°; P -3.5600,Plg7.0000°,Azm4.0000° $M_0$3.70000×10^{17}
SZGRF Eastern Caucasus.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=102, comp=227, per= 50. Moment Tensor Solution. s100,c204; s55,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}5.89±.07 $M_{\theta\theta}$-6.72±.07; $M_{\phi\phi}$0.82±.06; $M_{r\theta}$-0.95±.15; $M_{\theta\phi}$0.21±.05; $M_{\phi r}$1.40±.16; Best double couple: NP1:ϕ_s78.00000°,δ42.00000°,λ69.00000°. NP2:ϕ_s285.00000°,δ51.00000°,λ108.00000°. Principal axes: T 6.3100,Plg75.0000°,Azm255.0000°; N 0.4900,Plg14.0000°,Azm94.0000° ; P -6.8100,Plg5.0000°,Azm2.0000° $M_0$6.60000×10^{17}
NNC Error ellipse: s-maj=61.9km s-min=38.3km az=133.0.

(250) Mindoro

MAN X 11 09 33 02 13.33N 120.17E 19 4.2b,3.0L
¶13742501
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.

(91) Virgin Islands

ISC X 11 10 40 14.7–.07 19.19N–.01 64.83W–.01 26 5.9b,5.9s 1625 1-175
LDG X 11 10 40 08.8–.30 19.20N 65.02W 10–0 6.0b,5.5s **¶13396673**
IDC X 11 10 40 09.9–.27 19.16N 64.88W 0 5.7s,5.7
MOS X 11 10 40 12.1–.89 19.15N 64.80W 24 6.1b,5.8s
ISCJB X 11 10 40 12.8–.07 19.23N–.01 64.80W–.01 25 5.9b,5.9s
SZGRF X 11 10 40 14.9 19.01N 64.54W 27 5.9b,5.6s

NEIC X 11 10 40 14.1–.08 19.16N 64.83W 23 6.1b,6.1
TRN X 11 10 40 15.3 18.85N 64.62W 3 6.1b,6.1
RSPR X 11 10 40 16.0 19.28N 64.83W 26–22 5.9,6.1
DJA X 11 10 40 16 19.29N 64.40W 21 6.1b,6.1
GCMT X 11 10 40 17.7–.10 19.30N 64.83W 30–0 6.1W,6.1
BGS X 11 10 40 35.3–1.6 21.96N 63.30W 23–0 5.8b,6.1
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=14.8km s-min=8.0km az=79.0.
IDC Error ellipse: s-maj=10.0km s-min=8.3km az=119.0.
MOS Error ellipse: s-maj=4.7km s-min=4.1km az=135.2.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=3.1.
SZGRF Virgin Islands.
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=178.0. Felt [IV] on Saint Thomas and [III] on Saint John and at Christiansted and Frederiksted, Saint Croix. Also felt [III] on Tortola, British Virgin Islands. Felt [V] at Carolina; [IV] at Caguas, Canovanas, Cayey, Ceiba, Cidra, Culebra, Guaynabo, San Juan and Toa Baja; [III] at Bayamon, Dorado, Fajardo, Gurabo, Humacao, Las Piedras, Luquillo, Mayaguez, Naguabo, Naranjito, Rio Grande and Trujillo Alto; [II] at Morovis, Ponce and Vieques, Puerto Rico. Also felt at Adjuntas, Aguada, Aguas Buenas, Anasco, Arecibo, Catano, Corozal, Hatillo, Juana Diaz, Juncos, Las Marias, Moca, Orocovis, Patillas, Sabana Seca, San Sebastian, Toa Alta, Utuado, Vega Alta, Vega Baja, Yabucoa and Yauco. Felt at Philipsburg, Sint Maarten. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s187.00000°,δ70.00000° ,λ155.00000°. NP2:ϕ_s286.00000°,δ67.00000°,λ22.00000°. Principal axes: T Plg32.0000° ,Azm146.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000°,Azm237.0000° Moment Tensor Solution. s101 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s283.00000°,δ75.00000°,λ22.00000°. NP2:ϕ_s187.00000° ,δ69.00000°,λ164.00000°. Principal axes: T 1.1600,Plg25.0000°,Azm146.0000° ; N -0.0500,Plg63.0000°,Azm315.0000°; P -1.1100,Plg4.0000°,Azm54.0000° $M_0$1.10000×10^{18}
RSPR Event type ke.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=114, comp=274, per= 50. Moment Tensor Solution. s105,c215; s83,c123; Moment tensor: Scale 10^{18}Nm; M_{rr}0.37±.01 $M_{\theta\theta}$0.33±.01; $M_{\phi\phi}$-0.70±.01; $M_{r\theta}$-0.92±.02; $M_{\theta\phi}$1.06±.01; $M_{\phi r}$-0.47±.02; Best double couple: NP1:ϕ_s186.00000°,δ62.00000°,λ155.00000°. NP2:ϕ_s289.00000°,δ68.00000°,λ30.00000°. Principal axes: T 1.7600,Plg37.0000°,Azm149.0000°; N -0.3800,Plg53.0000°,Azm321.0000° ; P -1.3700,Plg4.0000°,Azm56.0000° $M_0$1.60000×10^{18}
BGS Error ellipse: s-maj=497.2km s-min=338.3km az=-1.0.

(2) Southern Alaska

NEIC X 11 12 51 41.5 61.26N 146.75W 20 3.8L,3.6L ¶13396704

NEIC Event type fe. Felt at Valdez. After AEIC.

(2) Southern Alaska

ISC X 11 17 16 54.9–.38 61.40N–.03 150.92W–.07 70–5 4.1b 59 0-68
ISCJB X 11 17 16 53.6–.38 61.41N–.03 150.91W–.07 79–4 4.1b **¶12066598**
NEIC X 11 17 16 55.9 61.43N 150.89W 62 3.4L,3.3L
IDC X 11 17 17 01.5–6.5 61.79N 150.76W 115–39 3.7b,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.7km az=162.6.
NEIC Event type fe. Felt at Anchorage. After AEIC.
IDC Error ellipse: s-maj=65.7km s-min=34.4km az=163.0.

(228) Near east coast of eastern Honshu

ISC X 12 01 04 42.1–.47 35.31N–.03 140.34E–.06 31–3 4.0b 54 0-82
NIED X 12 01 04 00 35.40N 140.40E 26 4.0W **¶11748604**
IDC X 12 01 04 37.3–.70 35.39N 140.47E 0 4.1,4.0
ISCJB X 12 01 04 41.2–.47 35.33N–.03 140.36E–.06 37–4 4.0b,4.0
JMA X 12 01 04 41.8–.10 35.39N 140.34E 26–2 4.2,4.0
NEIC X 12 01 04 42.0–.40 35.43N 140.42E 30 4.5b,4.0W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ73.00000°,λ91.00000°. NP2:ϕ_s246.00000°,δ17.00000°,λ88.00000°. $M_0$1.19000×10^{15}
IDC Error ellipse: s-maj=21.9km s-min=15.2km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.1km az=156.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=7.9km az=57.0. Recorded [3 JMA] in Chiba and [1 JMA] in Ibaraki and Tokyo. Moment Tensor Solution. $M_0$1.20000×10^{15}

(1) Central Alaska

ISC X 12 02 46 59.2–.21 63.26N–.02 150.70W–.05 116–1 4.5b 378 0-148
BJI X 12 02 46 54.5 63.40N 149.99W 113 5.0b,4.7b **¶12068437**
ISCJB X 12 02 46 58.1–.21 63.27N–.02 150.70W–.05 122–1 4.5b,4.7b
IDC X 12 02 46 60.0–.63 63.35N 150.61W 127–5 4.2,4.1
NEIC X 12 02 46 59.1 63.16N 150.55W 123 4.6b,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.1km az=42.0.
IDC Error ellipse: s-maj=10.8km s-min=7.5km az=174.0.
NEIC Event type fe. Felt [III] at Hatcher Pass. Also felt at Anchorage. After AEIC.

(543) Germany

ISC X 12 07 44 55.2–.13 50.187N–.01 12.42E–.01 13–1 646 0-76
BJI X 12 07 44 51.8 50.20N 12.40E 5 4.8s,4.8b **¶11346067**
ISCJB X 12 07 44 53.9–.14 50.14N–.01 12.34E–.02 13–1 4.8s,4.8b
BGR X 12 07 44 55.2–.23 50.21N 12.45E 10–2 3.9L,4.8b
IPEC X 12 07 44 55.5–.06 50.19N 12.51E 3–0 3.7L,4.8b
CSEM X 12 07 44 55.2–.08 50.20N 12.43E 12 4.6L,4.8b
LDG X 12 07 44 55.2–.11 50.17N 12.45E 10–0 4.2L,4.8b
NEIC X 12 07 44 55.8 50.20N 12.47E 10 4.2L,4.1L
CLL X 12 07 44 56.6–.38 50N–1.0 12E–2.0 8–1 3.6L,4.1L
WBNET X 12 07 44 56.3 50.21N 12.45E 9 3.0L,4.1L
PRU X 12 07 44 56.4 50.20N 12.51E 0 3.0L,4.1L
BNS X 12 07 44 57.5–.48 50.01N 12.33E 5 3.8L,4.1L
LEDBW X 12 07 44 58.4–.60 50.04N–.06 12.33E–.05 10–0 4.0L,4.1L
ISC Event type fe.
ISCJB Event type fe.
BGR Event type ke.
IPEC Event type ke.
CSEM Event type ke.
LDG Event type ke.
NEIC Event type fe. Felt in the As-Sokolov area. Also felt at Selb and in the Klingenthal-Rodewisch area, Germany. After SZGRF.
PRU West Bohemia Swarm-felt.
BNS Event type ke.

(250) Mindoro

ISC X 12 08 30 46.7–.39 13.43N–.02 120.56E–.03 60–4 4.8b,4.0s 299 0-151
IDC X 12 08 30 38.8–.53 13.38N 120.28E 0 4.7,4.6 **¶11346068**
NEIC X 12 08 30 40.5–.25 13.45N 120.58E 10 4.8b,4.6
MAN X 12 08 30 40 13.40N 120.31E 4 5.1b,4.1s
MOS X 12 08 30 42.2–.88 13.47N 120.58E 33 5.2b,4.1s
ISCJB X 12 08 30 44.9–.42 13.42N–.02 120.53E–.03 56–4 4.8b,4.0s
BJI X 12 08 30 46.1 13.42N 120.60E 71 5.0b,4.7b
SZGRF X 12 08 30 46.4 13.76N 120.18E 33 5.0b,4.7b
DJA X 12 08 30 55 13.59N 120.39E 154 4.6b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=14.3km s-min=9.3km az=121.0.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=5.3km az=75.0. Felt [III PIVS] at Paluan and at Looc, Lubang Island.
MAN Event type fe. INTENSITY II - LOOC LUBANG; PALUAN OCCIDENTAL MINDORO.
MOS Error ellipse: s-maj=12.6km s-min=5.4km az=124.7.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=164.7.
SZGRF Mindoro, Philippine Islands.

(274) Southern Sumatera

ISC X 12 15 51 05.4–.48 4.34S–.04 102.34E–.04 49–4 4.7b 117 1-147
ISCJB X 12 15 51 03.8–.55 4.36S–.04 102.33E–.04 55–5 4.7b **¶11346088**
NEIC X 12 15 51 04.0–.39 4.33S 102.37E 38 4.7b
DJA X 12 15 51 03.6–.60 4S–3.0 102E–3.0 16–5 5.6b,5.3
IDC X 12 15 51 04.3–.75 4.21S 102.48E 38–5 4.3,4.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=3.9km az=43.2.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=7.0km az=56.0. Felt [III] at Bengkulu and Manna; [II] at Kapahiang and Mukomuko.
IDC Error ellipse: s-maj=20.4km s-min=12.0km az=49.0.

(274) Southern Sumatera

ISC X 12 17 03 08.6–.56 0.96S–.06 99.91E–.07 64–6 4.0b 33 1-56
IDC X 12 17 03 00.4–3.4 1.09S 99.97E 0 3.8b,3.8 **¶12068479**
NEIC X 12 17 03 05.1–1.1 1.23S 99.87E 35 4.1b,3.8
ISCJB X 12 17 03 07.5–.56 0.96S–.06 99.93E–.07 70–6 4.1b,3.8
DJA X 12 17 03 07 0.85S 99.97E 23 4.0,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=161.0km s-min=19.5km az=58.0.
NEIC Event type fe. Error ellipse: s-maj=38.9km s-min=8.8km az=63.0. Felt [III] in the Kepulauan Mentawai. Also felt [III] at Padang, Painan and Pariaman, Sumatra.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=6.9km az=140.3.

(370) Crete

ISC X 12 19 05 56.8–.17 34.73N–.01 25.29E–.01 43–2 4.5b,3.7s 1144 0-118
DDA X 12 19 05 48.7 34.50N 25.26E 25–0 3.8,3.7s **¶11346097**
IDC X 12 19 05 50.9–.50 34.91N 25.30E 0 4.4b,4.4
ISK X 12 19 05 53.8 34.84N 25.29E 15 4.1L,4.4
ISCJB X 12 19 05 54.6–.22 34.72N–.01 25.31E–.02 42–2 4.5b,3.7s
MOS X 12 19 05 54.3–1.2 34.85N 25.32E 33 4.7b,3.7s
BJI X 12 19 05 54.8 35.03N 25.28E 34 5.1b,4.8s
HLW X 12 19 05 55.5 34.85N 25.54E 33–43 4.2L,3.9
NEIC X 12 19 05 56.9–.43 34.83N 25.33E 42–4 4.5b,3.9
CSEM X 12 19 05 56.9–.10 34.74N 25.31E 46–1 4.6b,3.3s
TEH X 12 19 05 57.0 34.84N 25.27E 38 4.6b,3.3s
NIC X 12 19 05 58.6–.10 34.76N 25.72E 40 4.4b,3.8L
ATH X 12 19 05 58.9 34.99N 25.30E 45–2 4.2L,3.8L
THE X 12 19 06 00.1 34.93N 25.27E 35–2 4.3L,3.8L
SZGRF X 12 19 06 02.1 35.44N 25.04E 10 4.2b,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=13.1km s-min=11.2km az=160.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=34.5.
MOS Error ellipse: s-maj=4.9km s-min=2.8km az=116.9.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=2.6km az=188.0. Felt at Iraklion.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=33.0.
ATH Error ellipse: s-maj=2.7km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=161.0.
SZGRF Crete, Greece.

(460) Wyoming

ISC X 12 20 24 11.6–.41 43.80N–.04 105.22W–.05 0 55 1-61
ISCJB X 12 20 24 09.9–.44 43.80N–.04 105.25W–.05 0 **¶12068491**
IDC X 12 20 24 11.1–1.6 43.88N 105.52W 0 4.3b,4.0
NEIC X 12 20 24 11.6–.38 43.81N 105.22W 0 3.2L,4.0
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.5km s-min=5.4km az=20.7.
IDC Error ellipse: s-maj=47.9km s-min=8.1km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=5.9km s-min=4.9km az=157.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(125) Southern Bolivia

ISC X 12 20 55 41.9–.12 20.18S–.03 64.98W–.02 358 6.0b 1178 4-175
GUC X 12 20 55 39.0–.76 20.47S 66.14W 394–10 5.8b **¶11346104**
LDG X 12 20 55 39.8–.28 19.94S 65.26W 345–0 5.9b,5.0s
MOS X 12 20 55 39.7–.76 20.13S 65.07W 348 6.2b,5.0s
ISCJB X 12 20 55 40.5–.12 20.15S–.02 65.03W–.02 356 6.0b,5.0s
BJI X 12 20 55 40.9 19.25S 64.37W 346 5.8b,5.0s
IDC X 12 20 55 40.5–.50 20.28S 65.14W 343–4 5.7,5.7
NEIC X 12 20 55 41.5–.11 20.12S 64.97W 353 6.2W,6.1W
DJA X 12 20 55 41 19.96S 64.02W 300 6.1W,6.1W
IGIL X 12 20 55 43.5 20.02S 64.94W 356 5.4s,5.4b
GCMT X 12 20 55 44.6–.10 20.30S 65.23W 362–0 6.2W,5.4b
SZGRF X 12 20 55 47.2 19.05S 64.85W 362 6.2W,5.4b
BGS X 12 20 55 52.3–1.3 18.80S 63.78W 350–0 5.6b,5.4b
ISC Event type fe.
GUC Error ellipse: s-maj=4.9km s-min=9.8km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=29.6km s-min=12.4km az=103.0.
MOS Error ellipse: s-maj=6.7km s-min=4.5km az=72.2.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=32.4.
IDC Error ellipse: s-maj=8.4km s-min=6.6km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=204.0. Felt at La Paz. Felt [III] at Alto Hospicio and Pozo Almonte; [II] at Arica, Camina, Codpa, Cuya, Huara, Iquique and Putre, Chile. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s175.00000°,δ83.00000°,λ90.00000°. NP2:ϕ_s355.00000°,δ7.00000°,λ90.00000°. Principal axes: T Plg52.0000°,Azm85.0000°; N Plg0.0000°,Azm0.0000°; P Plg38.0000° ,Azm265.0000° Moment Tensor Solution. s112 Moment tensor: Scale 10^{18}Nm; M_{rr}0.04 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$0.33 $M_{r\theta}$0.44 $M_{\theta\phi}$0.43 $M_{\phi r}$-2.26 Best double couple: NP1:ϕ_s256.00000° ,δ13.00000°,λ-2.00000°. NP2:ϕ_s348.00000°,δ90.00000°,λ-103.00000°. Principal axes: T 2.4500,Plg43.0000°,Azm90.0000°; N -0.1800,Plg13.0000°,Azm347.0000° ; P -2.2800,Plg43.0000°,Azm244.0000° $M_0$2.40000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s117,c267; s92,c142; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.02±.01 $M_{\theta\theta}$-0.33±.02; $M_{\phi\phi}$0.35±.02; $M_{r\theta}$0.39±.02; $M_{\theta\phi}$0.62±.02; $M_{\phi r}$-2.13±.02; Best double couple: NP1:ϕ_s257.00000°,δ18.00000°,λ-2.00000°. NP2:ϕ_s349.00000°,δ89.00000°,λ-108.00000°. Principal axes: T 2.3200,Plg42.0000° ,Azm96.0000°; N -0.0900,Plg18.0000°,Azm349.0000°; P -2.2300,Plg43.0000° ,Azm242.0000° $M_0$2.30000×10^{18}
SZGRF Southern Bolivia.
BGS Error ellipse: s-maj=482.1km s-min=230.5km az=-1.0.

(543) Germany

ISC X 13 01 42 46.4–.22 50.20N–.01 12.44E–.02 13–2 227 0-7
ISCJB X 13 01 42 45.9–.23 50.19N–.01 12.48E–.02 13–2 **¶11349161**
BGR X 13 01 42 47.0–.24 50.22N 12.45E 13–2 2.8L
LDG X 13 01 42 46.7–.18 50.23N 12.49E 10–0 2.9L
VIE X 13 01 42 46.3–.44 50.18N 12.49E 8–0 3.0L,2.2b
CSEM X 13 01 42 46.3–.13 50.18N 12.44E 10 3.4L,2.2b
WBNET X 13 01 42 47.4 50.21N 12.45E 11 2.0L,2.2b
NEIC X 13 01 42 47.0 50.20N 12.42E 10 2.9L,2.3L
CLL X 13 01 42 47.6–.35 50N–1.0 12E–2.0 10–1 2.6L,2.3L
ISC Event type fe.
ISCJB Event type fe.
BGR Event type ke.
LDG Event type ke.
VIE 6 km SSE of Klingenthal .
CSEM Event type ke.
NEIC Event type fe. Felt at Plesna. After SZGRF.

(717) Afghanistan-Tajikistan border region

ISC X 13 08 07 43.7–.11 36.14N–.01 71.09E–.02 119 5.0b 779 2-150
SZGRF X 13 08 07 29.5 36.30N 72.55E 31 5.1b **¶13396907**
ISCJB X 13 08 07 41.9–.11 36.15N–.02 71.08E–.02 117 5.0b
BJI X 13 08 07 42.4 36.31N 70.94E 111 5.1b,4.8b
MOS X 13 08 07 42.7–1.0 36.21N 71.03E 122 4.9b,4.0s
IDC X 13 08 07 44.5–.55 36.16N 71.03E 126–4 4.8,4.7
NEIC X 13 08 07 44.3–.17 36.19N 71.00E 123 5.1b,4.7
TEH X 13 08 07 44.0 36.20N 71.00E 109 5.1b,4.7
GCMT X 13 08 07 47.2–.20 36.17N 70.71E 123–1 5.3W,4.7
DJA X 13 08 07 49 35.57N 70.78E 129 5.2b,4.7
NNC X 13 08 07 50.6–3.7 36.82N 70.74E 149–41 5.8,4.8b
ISC Event type fe.
SZGRF Afghanistan-Tajikistan border region.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=2.0km az=0.7.
MOS Error ellipse: s-maj=5.7km s-min=3.3km az=125.5.
IDC Error ellipse: s-maj=9.2km s-min=7.7km az=8.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=166.0. Felt at Bagrami, Charikar and Kabul.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s71,c108; s95,c181; Moment tensor: Scale 10^{16}Nm; M_{rr}4.81±.16 $M_{\theta\theta}$-7.76±.19; $M_{\phi\phi}$2.96±.19; $M_{r\theta}$-1.15±.14; $M_{\theta\phi}$-4.81±.19; $M_{\phi r}$5.17±.12; Best double couple: NP1:ϕ_s284.00000°,δ57.00000°,λ147.00000°. NP2:ϕ_s34.00000°,δ63.00000°,λ38.00000°. Principal axes: T 10.1000,Plg45.0000° ,Azm251.0000°; N -0.4000,Plg45.0000°,Azm64.0000°; P -9.7000,Plg4.0000°,Azm158.0000° $M_0$9.90000×10^{16}
NNC Error ellipse: s-maj=30.5km s-min=18.7km az=21.0.

(719) Tajikistan-Xinjiang border region

ISC X 13 16 05 26.6–.29 39.49N–.02 73.85E–.02 47–2 5.2b,4.8s 1234 2-153
LDG X 13 16 05 17.6 39.34N 74.00E 10 5.2b,4.8s **¶13396940**
IDC X 13 16 05 19.7–.39 39.44N 73.87E 0 5.1,5.1
SZGRF X 13 16 05 21.6 39.56N 74.53E 33 5.3b,4.9s

BJI	X	13 16 05 22.9	39.68N	73.79E	32	5.3b,5.2s	
ISCJB	X	13 16 05 23.8–.34	39.45N–.02	73.81E–.02	38–3	5.2b,4.8s	
MOS	X	13 16 05 23.5–.96	39.59N	73.86E	33	5.4b,4.8s	
NNC	X	13 16 05 24.4–1.9	39.68N	73.68E	0	5.6b,5.5	
NEIC	X	13 16 05 25.0–.12	39.50N	73.81E	35	5.2b,5.0W	
GCMT	X	13 16 05 25.0–.20	39.50N	73.69E	12	5.2W,5.0W	
DJA	X	13 16 05 27	39.46N	73.92E	44	5.5b,5.0W	
BGS	X	13 16 05 31.6–1.6	40.51N	73.40E	33–0	5.1b,5.0W	

ISC Event type fe.
LDG Event type ke.
IDC Error ellipse: s-maj=9.7km s-min=8.5km az=113.0.
SZGRF Southern Xinjiang, China.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=22.3.
MOS Error ellipse: s-maj=5.6km s-min=3.1km az=131.9.
NNC Error ellipse: s-maj=17.2km s-min=8.5km az=9.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=189.0. Felt at Murghob, Tajikistan. Moment Tensor Solution. $M_0$3.40000×10^{16}
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s48,c73; s81,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}3.45±.14 $M_{\theta\theta}$-4.59±.11; $M_{\phi\phi}$1.14±.13; $M_{r\theta}$4.55±.34; $M_{\theta\phi}$-4.27±.11; $M_{\phi r}$-0.34±.42; Best double couple: NP1:ϕ_s205.00000°,δ40.00000°,λ29.00000°. NP2:ϕ_s92.00000°,δ72.00000°,λ126.00000°. Principal axes: T 6.5000,Plg50.0000° ,Azm42.0000°; N 1.7100,Plg34.0000°,Azm259.0000°; P -8.2000,Plg19.0000°,Azm156.0000° $M_0$7.40000×10^{16}
BGS Error ellipse: s-maj=448.8km s-min=656.7km az=-1.0.

(717) Afghanistan-Tajikistan border region

ISC	**X**	**13 17 16 11.6–.61**	**38.63N–.02**	**70.37E–.02**	**18–3**	**5.2b,5.0s**	**962**	**4-153**
BJI	X	13 17 16 07.9	38.83N	70.17E	14	5.7L,5.5b		¶13396943
IDC	X	13 17 16 08.2–.44	38.56N	70.39E	0	5.1,5.1		
ISCJB	X	13 17 16 08.0–.57	38.59N–.02	70.37E–.02	7–3	5.2b,5.0s		
NEIC	X	13 17 16 10.0–.14	38.56N	70.34E	10	5.3b,4.9s		
NNC	X	13 17 16 11.2–1.5	38.83N	69.99E	4–7	6.0,5.9b		
MOS	X	13 17 16 12.0–1.0	38.71N	70.38E	33	5.4b,5.0s		
GCMT	X	13 17 16 14.4–.20	38.80N	70.10E	22–0	5.2W,5.0s		
DJA	X	13 17 16 17	38.47N	70.74E	43	5.6W,5.0s		
SZGRF	X	13 17 16 37.6	41.28N	68.36E	33	4.9b,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=11.3km s-min=9.4km az=155.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=20.8.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=189.0. Felt at Dushanbe.
NNC Error ellipse: s-maj=9.9km s-min=5.9km az=3.0.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=130.1.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s68,c117; s78,c152; Moment tensor: Scale 10^{16}Nm; M_{rr}5.89±.17 $M_{\theta\theta}$-0.61±.13; $M_{\phi\phi}$-5.28±.12; $M_{r\theta}$0.43±.22; $M_{\theta\phi}$-3.12±.09; $M_{\phi r}$-6.36±.25; Best double couple: NP1:ϕ_s47.00000°,δ28.00000°,λ128.00000°. NP2:ϕ_s186.00000°,δ68.00000°,λ72.00000°. Principal axes: T 9.0700,Plg62.0000° ,Azm68.0000°; N -0.0500,Plg17.0000°,Azm192.0000°; P -9.0200,Plg21.0000° ,Azm289.0000° $M_0$9.10000×10^{16}
SZGRF Central Kazakhstan.

(163) Cook Strait

WEL	**X**	**13 18 53 00.3–.08**	**40.10S**	**174.86E**	**12**	**3.7L**		
								¶11492496

WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.5km az=90.0. Felt from Taranaki to Manawatu, maximum reported intensity MM 4.

(364) Greece

ISC	**X**	**14 02 06 35.7–.26**	**38.806N–.01**	**23.600E–.01**	**10–1**	**4.9b,4.5s**	**1801**	**0-130**
SZGRF	X	14 02 06 22.3	37.26N	22.88E	33	4.5b,4.0s		¶13396984
BJI	X	14 02 06 33.6	38.81N	23.29E	23	5.3b,5.0s		
IDC	X	14 02 06 33.7–.48	38.82N	23.60E	0	4.6,4.6		
PDG	X	14 02 06 33.9–.52	38.86N	23.64E	4–1	5.0,4.8L		
ATH	X	14 02 06 34.7	38.85N	23.62E	24–1	5.6L,4.8L		
ISCJB	X	14 02 06 34.5–.25	38.848N–.01	23.601E–.01	12–1	4.9b,4.5s		
HLW	X	14 02 06 34.1	38.95N	23.82E	33–42	4.7,4.5L		
NEIC	X	14 02 06 34.7	38.85N	23.62E	24	5.0W,4.9b		
THE	X	14 02 06 35.1	38.82N	23.58E	4–1	5.1L,4.9b		
CSEM	X	14 02 06 35.3–.05	38.80N	23.61E	10	5.2W,5.1b		
IGIL	X	14 02 06 37.8	38.76N	23.57E	26	5.1b,5.1b		
GCMT	X	14 02 06 37.6–.20	38.71N	23.54E	13–0	5.2W,5.1b		
MOS	X	14 02 06 37.0–1.1	38.86N	23.56E	33	5.1b,4.6s		
BGS	X	14 02 06 39.4–2.1	39.45N	24.27E	33–0	4.9b,4.6s		

ISC Event type fe.
SZGRF Southern Greece.
IDC Error ellipse: s-maj=10.8km s-min=10.5km az=77.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=23.5.
NEIC Event type fe. Felt [II] at Athens. Also felt at Akharnai, Ayia Varvara, Galatsion, Khalandrion, Kifisia and Vari. After ATH. Moment Tensor Solution. $M_0$3.80000×10^{16}
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=209.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=36.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s59,c89; s89,c178; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.23±.21 $M_{\theta\theta}$6.90±.16; $M_{\phi\phi}$-1.67±.14; $M_{r\theta}$0.52±.31; $M_{\theta\phi}$-2.26±.11; $M_{\phi r}$4.13±.47; Best double couple: NP1:ϕ_s254.00000°,δ52.00000°,λ-136.00000°. NP2:ϕ_s134.00000°,δ57.00000°,λ-47.00000°. Principal axes: T 7.4800,Plg3.0000° ,Azm195.0000°; N 0.6600,Plg35.0000°,Azm287.0000°; P -8.1400,Plg55.0000° ,Azm101.0000° $M_0$7.80000×10^{16}
MOS Error ellipse: s-maj=3.7km s-min=2.4km az=118.4.
BGS Error ellipse: s-maj=271.9km s-min=139.3km az=-1.0.

(497) Northwestern Texas-Oklahoma border region

ISC	**X**	**14 03 07 28.2–.21**	**35.77N–.02**	**100.75W–.02**	**10**		**165**	**1-40**
ISCJB	X	14 03 07 25.8–.23	35.78N–.02	100.66W–.02	10			¶11348165
IDC	X	14 03 07 28.8–.96	35.73N	100.98W	0	3.7,3.5		
NEIC	X	14 03 07 28.0–.39	35.77N	100.71W	5	3.7W,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=40.0.
IDC Error ellipse: s-maj=13.3km s-min=10.9km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.2km az=173.0. Felt [IV] at Miami and [III] at Pampa. Also felt at Amarillo, Claude and Wheeler. Moment Tensor Solution. $M_0$4.80000×10^{14}

(29) Washington

NEIC	**X**	**14 03 32 21.0**	**47.73N**	**120.27W**	**4**	**2.6**		
PGC	X	14 03 32 21.1–1.8	47.74N	120.25W	1	2.4L		¶11395970

NEIC Event type fe. Felt [III] at Entiat. Also felt at Ardenvoir and Orondo. After SEA.
PGC Event type ke. 156km east of Seattle, Wa Washington.

(228) Near east coast of eastern Honshu

ISC	**X**	**14 03 37 46.3–.51**	**35.32N–.04**	**140.35E–.07**	**28–3**	**4.2b,3.7s**	**68**	**0-93**
NIED	X	14 03 37 00	35.40N	140.40E	29	4.3W,3.7s		¶11360172
IDC	X	14 03 37 42.4–.58	35.34N	140.24E	0	4.7L,4.4		
ISCJB	X	14 03 37 45.6–.49	35.33N–.04	140.36E–.07	36–4	4.2b,3.7s		
NEIC	X	14 03 37 46.2	35.40N	140.33E	27	4.5b,4.2W		
JMA	X	14 03 37 46.1–.10	35.40N	140.33E	27–2	4.3,4.2W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ69.00000°,λ93.00000°. NP2:ϕ_s232.00000°,δ21.00000°,λ82.00000°. $M_0$2.89000×10^{15}
IDC Error ellipse: s-maj=18.8km s-min=12.9km az=66.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=5.6km az=158.0.
NEIC Event type fe. Recorded [4 JMA] in Chiba and [1 JMA] in Ibaraki, Kanagawa, Shizuoka and Tokyo. After JMA. Moment Tensor Solution. $M_0$2.90000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s257.00000°,δ30.00000°,λ86.00000°. NP2: ϕ_s82.00000°,δ60.00000°,λ93.00000°. Principal axes: T Plg75.0000°,Azm359.0000° ; N Plg2.0000°,Azm261.0000°; P Plg15.0000°,Azm170.0000°

(543) Germany

ISC	**X**	**14 04 01 35.0–.19**	**50.20N–.01**	**12.43E–.02**	**15–1**		**283**	**0-7**
ISCJB	X	14 04 01 34.6–.20	50.19N–.01	12.46E–.02	14–1			¶11349202
CSEM	X	14 04 01 35.0–.09	50.20N	12.45E	15	3.9L		
LDG	X	14 04 01 35.5–.17	50.20N	12.47E	10–0	3.3L		
VIE	X	14 04 01 35.3–.22	50.18N	12.44E	8–2	3.2L,2.1b		
IPEC	X	14 04 01 35.4–.07	50.20N	12.51E	4–0	2.9L,2.1b		
BGR	X	14 04 01 35.1–.23	50.22N	12.44E	12–2	3.2L,2.1b		
NEIC	X	14 04 01 35.5	50.20N	12.45E	10	3.4L,3.3L		
CLL	X	14 04 01 36.6–.36	50N–1.0	12E–2.0	8–1	3.1L,3.3L		
WBNET	X	14 04 01 36.3	50.22N	12.44E	10	3.0L,3.3L		
PRU	X	14 04 01 36.4	50.20N	12.51E	0	3.0L,3.3L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=159.7.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=29.0.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=168.0.
VIE Error ellipse: s-maj=4.6km s-min=1.3km az=53.0. 6 km SSW of Klingenthal .
IPEC Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=54.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
NEIC Event type fe. Felt at Zwota, Germany. After SZGRF.
PRU West Bohemia Swarm.

(543) Germany

ISC	**X**	**14 05 49 03.2–.27**	**50.21N–.01**	**12.45E–.02**	**16–2**		**201**	**0-6**
VIE	X	14 05 49 02.4–.62	50.25N	12.59E	12–6	3.0L,2.1b		¶11349205
LDG	X	14 05 49 03.6–.12	50.24N	12.40E	10–0	3.1L,2.1b		
CSEM	X	14 05 49 03.1–.11	50.20N	12.43E	18–1	3.0L,2.1b		
ISCJB	X	14 05 49 03.1–.24	50.20N–.01	12.50E–.02	10	3.0L,2.1b		
NEIC	X	14 05 49 03.7	50.21N	12.47E	11	3.1L,3.0L		
PRU	X	14 05 49 04.5	50.21N	12.43E	4	3.1L,3.0L		
WBNET	X	14 05 49 04.5	50.22N	12.44E	10	2.0L,3.0L		
BGR	X	14 05 49 04.0–.22	50.22N	12.45E	11–1	3.0L,3.0L		
CLL	X	14 05 49 04.7–.38	50N–1.0	12E–2.0	8–1	2.8L,3.0L		

ISC Event type fe.
VIE 10 km ENE of Klingenthal .
LDG Event type ke.
CSEM Event type ke.
ISCJB Event type fe.
NEIC Event type fe. Felt at Klingenthal and Zwota, Germany. After SZGRF.
PRU West Bohemia Swarm.
BGR Event type ke.

(228) Near east coast of eastern Honshu

ISC	**X**	**14 07 49 14.9–1.7**	**38.70N–.05**	**142.2E–.10**	**24–8**		**18**	**1-4**
NIED	X	14 07 49 00	38.70N	142.20E	35	3.5W		¶11748787
JMA	X	14 07 49 15.3–.10	38.68N	142.16E	29–2	4.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ75.00000°,λ71.00000°. NP2:ϕ_s64.00000°,δ25.00000°,λ140.00000°. $M_0$1.92000×10^{14}
JMA Event type fe.

(722) Norway-Murmansk border region

ISC	**X**	**14 16 47 42.5–.86**	**69.63N–.03**	**29.92E–.09**	**0–5**		**179**	**1-25**
CSEM	X	14 16 47 40.5–.33	69.78N	30.17E	2	2.9L		¶13397061
NAO	X	14 16 47 41.4–.90	69.73N	30.10E		2.9L		
IDC	X	14 16 47 41.8–1.1	69.76N	30.13E	0	3.6,3.6		
NEIC	X	14 16 47 41.7–2.4	69.78N	30.02E	6–17	2.9L,2.9L		
BER	X	14 16 47 42.0–3.6	69.78N	30.76E	10–0	3.4,3.1L		
HEL	X	14 16 47 42.2–.20	69.74N	30.14E	3–1	3.4,3.1L		
ISCJB	X	14 16 47 42.8–.90	69.49N–.04	29.70E–.10	1–5	3.4,3.1L		

ISC Event type fe.
CSEM Event type ke.
NEIC Event type fe. Felt at Kirkenes, Norway.
ISCJB Event type fe.

(543) Germany

ISC	**X**	**14 19 00 32.0–.12**	**50.183N–.01**	**12.41E–.01**	**11–1**		**812**	**0-38**
ISCJB	X	14 19 00 30.8–.13	50.141N–.01	12.33E–.01	11–1			¶11348191
IDC	X	14 19 00 31.3–.84	50.17N	12.46E	0	3.7b,3.6		
BGR	X	14 19 00 31.8–.23	50.21N	12.45E	12–2	4.0L,3.6		
LDG	X	14 19 00 32.0–.14	50.17N	12.52E	10–0	4.0L,3.6		
NEIC	X	14 19 00 32.5	50.19N	12.44E	7	4.1L,4.0L		
IPEC	X	14 19 00 32.3–.06	50.21N	12.52E	3–0	3.7L,4.0L		
CSEM	X	14 19 00 32.0–.07	50.17N	12.40E	10	4.5L,4.0L		
WBNET	X	14 19 00 33.1	50.21N	12.45E	9	3.0L,4.0L		
PRU	X	14 19 00 33.1	50.19N	12.51E	0	3.0L,4.0L		
CLL	X	14 19 00 33.4–.39	50N–1.0	12E–2.0	7–1	3.6L,4.0L		
BNS	X	14 19 00 34.4–.36	50.07N	12.34E	5	3.9L,4.0L		
LEDBW	X	14 19 00 36.4–.90	49.88N–.07	12.37E–.06	10–0	4.0L,4.0L		
UPP	X	14 19 00 46.7	51.68N	11.32E	0	2.5L,4.0L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.3km az=152.1.
IDC Error ellipse: s-maj=12.4km s-min=7.9km az=76.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=171.0.
NEIC Event type fe. Felt in the Hazlov-Karlovy Vary area. Also felt in the Rehau-Rodewisch area, Germany. After SZGRF.
IPEC Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=164.0.
PRU West Bohemia Swarm-felt.
BNS Event type ke.
LEDBW Error ellipse: s-maj=26.0km s-min=20.0km az=138.0.
UPP Event type ke.

(460) Wyoming

ISC	**X**	**14 19 41 22.2–.51**	**44.11N–.06**	**105.34W–.06**	**0**		**29**	**1-15**
ISCJB	X	14 19 41 20.8–.51	44.14N–.05	105.27W–.06	0			¶12068631
NEIC	X	14 19 41 21.9–.70	44.13N	105.41W	0	2.9L		
IDC	X	14 19 41 23.1–1.0	44.39N	105.86W	0	3.6,3.3L		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=7.8km s-min=6.6km az=166.3.
NEIC Event type fm. Error ellipse: s-maj=11.0km s-min=8.5km az=172.0. 20 km [10 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.3km s-min=8.6km az=145.0.

(228) Near east coast of eastern Honshu

JMA	**X**	**15 01 06 16.8–.10**	**40.32N**	**142.33E**	**37–1**	**3.7**		
NIED	X	15 01 06 00	40.30N	142.30E	53	3.5W		¶11748831

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ75.00000°,λ97.00000°. NP2:ϕ_s170.00000°,δ17.00000°,λ65.00000°. $M_0$1.81000×10^{14}

(115) Near coast of Peru

ISC	**X**	**15 20 15 28.8–4.4**	**14.4S–.40**	**76.0W–.40**	**66–30**	**3.6b**	**12**	**3-149**
NEIC	X	15 20 15 29.5–2.5	14.05S	75.77W	63–17	4.0		¶12068710
IDC	X	15 20 15 30.2–4.1	13.91S	75.64W	62–26	3.8,3.8L		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=61.4km s-min=13.3km az=218.0. Felt [II] at Ica.
IDC Error ellipse: s-maj=95.0km s-min=23.2km az=34.0.

(246) Southwestern Ryukyu Islands

ISC	**X**	**15 23 58 39.0–.59**	**24.13N–.07**	**124.34E–.04**	**44–4**	**3.7b**	**50**	**0-82**
NIED	X	15 23 58 00	24.20N	124.40E	17	3.8W		¶11748888
IDC	X	15 23 58 32.7–1.2	24.15N	124.19E	0	3.9,3.8		
NEIC	X	15 23 58 38.0–1.0	24.17N	124.38E	36–11	3.9b,3.8		
ISCJB	X	15 23 58 38.2–.57	24.13N–.07	124.31E–.04	53–3	3.7b,3.8		
JMA	X	15 23 58 38.9–.20	24.15N	124.40E	36–4	4.2,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s217.00000°,δ88.00000°,λ-152.00000°. NP2:ϕ_s126.00000°,δ62.00000°,λ-2.00000°. $M_0$5.11000×10^{14}
IDC Error ellipse: s-maj=30.6km s-min=27.2km az=24.0.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=9.2km az=174.0. Recorded [1 JMA] on Tarama-shima.
ISCJB Event type fe. Error ellipse: s-maj=13.2km s-min=4.4km az=157.9.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**16 00 23 18.4–.43**	**35.37N–.03**	**140.32E–.05**	**31–3**	**4.0b,3.3s**	**76**	**0-79**
NIED	X	16 00 23 00	35.40N	140.40E	26	4.1W,3.3s		¶11360175
IDC	X	16 00 23 14.3–.71	35.38N	140.24E	0	4.5L,4.1		
ISCJB	X	16 00 23 17.5–.38	35.38N–.03	140.33E–.05	39–3	4.0b,3.3s		
NEIC	X	16 00 23 18.7–1.9	35.43N	140.27E	30–13	4.4b,3.3s		
JMA	X	16 00 23 18.3–.10	35.41N	140.33E	28–2	4.2,3.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s67.00000°,δ71.00000°,λ89.00000°. NP2:ϕ_s250.00000°,δ19.00000°,λ93.00000°. $M_0$1.37000×10^{15}
IDC Error ellipse: s-maj=22.6km s-min=14.7km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.4km az=159.5.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=5.4km az=110.0. Recorded [3 JMA] in Chiba and [1 JMA] in Ibaraki.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s229.00000°,δ45.00000°,λ32.00000°. NP2: ϕ_s115.00000°,δ68.00000°,λ130.00000°. Principal axes: T Plg50.0000°,Azm70.0000° ; N Plg37.0000°,Azm278.0000°; P Plg14.0000°,Azm177.0000°

(307) Sichuan

ISC	**X**	**16 02 08 47.2–.76**	**31.23N–.03**	**103.71E–.04**	**15–5**	**4.2b,3.3s**	**107**	**0-82**	
IDC	X	16 02 08 44.3–.73	31.19N	103.82E	0	4.3,4.2b			**¶12068725**
NEIC	X	16 02 08 46.0–.40	31.18N	103.74E	10	4.5b,4.2b			
BJI	X	16 02 08 46.2	31.23N	103.68E	10	4.8b,4.5b			
ISCJB	X	16 02 08 47.4–.58	31.13N–.04	103.71E–.04	33–5	4.2b,3.3s			
MOS	X	16 02 08 47.4–1.5	31.19N	103.82E	33	4.6b,3.3s			

ISC Event type fe.
IDC Error ellipse: s-maj=27.7km s-min=14.2km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=7.3km az=21.0. Felt at Chengdu.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.5km az=42.6.
MOS Error ellipse: s-maj=12.2km s-min=7.8km az=104.9.

(235) Kyushu

ISC	**X**	**16 04 32 53.3–.58**	**32.89N–.03**	**130.09E–.04**	**0–6**	**3.5b**	**27**	**0-85**	
NIED	X	16 04 32 00	32.90N	130.10E	5	3.9W			**¶11360176**
ISCJB	X	16 04 32 52.8–.55	32.89N–.03	130.09E–.04	9–4	3.4b			
IDC	X	16 04 32 53.0–1.2	32.90N	130.03E	0	3.7,3.6			
NEIC	X	16 04 32 53.0	32.90N	130.09E	10	3.9,3.6			
JMA	X	16 04 32 53.0	32.90N	130.09E	10–1	3.9,3.6			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ82.00000°,λ169.00000°. NP2:ϕ_s142.00000°,δ79.00000°,λ9.00000°. $M_0$8.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=5.4km az=0.7.
IDC Error ellipse: s-maj=25.6km s-min=19.6km az=66.0.
NEIC Event type se. After JMA.
JMA Event type fe.

(135) Near coast of central Chile

ISC	**X**	**16 04 36 06.7–.41**	**31.00S–.02**	**71.39W–.08**	**68–4**	**4.4b**	**100**	**0-155**	
ISCJB	X	16 04 36 05.6–.41	31.00S–.02	71.41W–.08	74–4	4.4b			**¶12068730**
IDC	X	16 04 36 06.2–.47	31.04S	71.36W	66–3	4.3,4.3b			
NEIC	X	16 04 36 06.1	31.01S	71.37W	66	4.8b,4.3b			
GUC	X	16 04 36 06.1–.80	31.01S	71.37W	66–5	4.7L,4.3b			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=3.2km az=178.5.
IDC Error ellipse: s-maj=15.5km s-min=10.7km az=33.0.
NEIC Event type fe. Felt at Vicuna. After GUC.
GUC Error ellipse: s-maj=1.2km s-min=7.0km az=-1.0.

(238) Ryukyu Islands

ISC	**X**	**16 05 53 33.1–.48**	**27.93N–.07**	**128.9E–.10**	**47–7**	**3.7b**	**26**	**0-72**	
NIED	X	16 05 53 00	28.00N	128.80E	35	3.8W			**¶11748898**
ISCJB	X	16 05 53 32.3–.48	27.95N–.07	128.9E–.10	53–7	3.7b			
JMA	X	16 05 53 32.6–.10	28.01N	128.80E	39–2	3.7			
IDC	X	16 05 53 33.2–3.1	27.92N	129.00E	54–27	3.6,3.5b			
NEIC	X	16 05 53 35.5–1.1	27.78N	128.64E	68–15	3.7,3.5b			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ60.00000°,λ102.00000°. NP2:ϕ_s194.00000°,δ32.00000°,λ70.00000°. $M_0$4.82000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=18.6km s-min=5.3km az=36.3.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=42.9km s-min=17.4km az=93.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=13.8km az=112.0.

(139) Mendoza Province

ISC	**X**	**16 09 26 45.5–.57**	**33.05S–.04**	**68.83W–.04**	**42–7**	**3.9b**	**68**	**1-165**	
IDC	X	16 09 26 42.8–.60	33.02S	68.99W	21–3	4.3L,4.1			**¶12068755**
ISCJB	X	16 09 26 43.9–.62	33.05S–.04	68.78W–.04	43–7	3.9b,4.1			
NEIC	X	16 09 26 43.3	33.05S	68.86W	37	4.4,4.2			
GUC	X	16 09 26 43.3–.37	33.05S	68.86W	37–2	4.2,4.1L			

ISC Event type fe.
IDC Error ellipse: s-maj=19.6km s-min=13.1km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=6.1km az=179.1.
NEIC Event type fe. Felt [IV] at Mendoza and [III] at San Juan. After GUC.
GUC Error ellipse: s-maj=2.6km s-min=2.3km az=-1.0.

(307) Sichuan

ISC	**X**	**16 09 46 18.2–.62**	**31.21N–.02**	**103.65E–.04**	**16–4**	**4.4b,3.8s**	**171**	**0-93**	
IDC	X	16 09 46 15.0–.57	31.16N	103.67E	0	4.4,4.3			**¶13397248**
NEIC	X	16 09 46 16.8–.28	31.12N	103.61E	10	4.6b,4.3			
ISCJB	X	16 09 46 18.0–.57	31.15N–.03	103.65E–.04	31–4	4.4b,3.8s			
MOS	X	16 09 46 18.3–.92	31.15N	103.73E	33	4.7b,3.8s			
BJI	X	16 09 46 20.5	31.22N	103.75E	20	4.6b,4.5s			

ISC Event type fe.
IDC Error ellipse: s-maj=21.6km s-min=12.5km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=5.2km az=16.0. Felt at Chengdu.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.9km az=28.8.
MOS Error ellipse: s-maj=10.4km s-min=6.1km az=111.1.

(224) Hokkaido region

ISC	**X**	**16 11 49 29.6–.22**	**42.58N–.03**	**142.71E–.03**	**110–1**	**4.6b**	**279**	**0-143**	
NIED	X	16 11 49 00	42.60N	142.80E	107	4.2W			**¶13397259**
MOS	X	16 11 49 22.5–.78	42.94N	142.70E	46	5.0b			
ISCJB	X	16 11 49 28.6–.22	42.58N–.03	142.69E–.03	115–1	4.6b			
BJI	X	16 11 49 28.6	42.65N	142.62E	111	4.8b,4.7b			
NEIC	X	16 11 49 29.8–.39	42.62N	142.67E	110–3	4.7b,4.2W			
JMA	X	16 11 49 30.4–.10	42.64N	142.77E	107–2	4.2,4.2W			
IDC	X	16 11 49 30.2–1.1	42.65N	142.67E	114–7	4.1,4.1			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ62.00000°,λ144.00000°. NP2:ϕ_s123.00000°,δ58.00000°,λ34.00000°. $M_0$2.59000×10^{15}
MOS Error ellipse: s-maj=10.4km s-min=6.2km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=138.6.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.4km az=146.0. Recorded [2 JMA] in southern Hokkaido. Also recorded [2 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$2.60000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s1.00000°,δ41.00000°,λ156.00000°. NP2: ϕ_s109.00000°,δ75.00000°,λ51.00000°. Principal axes: T Plg46.0000°,Azm340.0000° ; N Plg37.0000°,Azm121.0000°; P Plg20.0000°,Azm227.0000°
IDC Error ellipse: s-maj=14.0km s-min=10.6km az=134.0.

(69) Near coast of Chiapas

ISC	**X**	**16 19 41 33.1–.24**	**14.54N–.02**	**92.33W–.02**	**83–2**	**5.8b**	**1564**	**0-171**	
IDC	X	16 19 41 22.2–.36	14.56N	92.31W	0	6.5s,6.5			**¶13397283**
BGS	X	16 19 41 22.6–1.6	13.59N	91.77W	25–0	6.5s,5.5b			
BJI	X	16 19 41 23.1	14.40N	92.40W	24	6.8s,6.7b			
NEIC	X	16 19 41 25.7–.15	14.42N	92.36W	24	6.7W,6.6W			
CASC	X	16 19 41 25.9–2.3	14.38N	92.84W	24–22	6.1b,5.6			
MEX	X	16 19 41 25.0–.70	14.05N	92.86W	23–16	6.6,5.6			
MOS	X	16 19 41 26.0–.89	14.50N	92.40W	33	6.6s,6.1b			
GCMT	X	16 19 41 31.3–.10	14.28N	92.90W	30–0	6.7W,6.1b			
ISCJB	X	16 19 41 31.2–.26	14.51N–.02	92.38W–.02	82–2	5.8b,6.1b			

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Antigua Guatemala, Guatemala, Mixco and Quetzaltenango; [III] at Panajachel, Guatemala. Also felt at Ayutla, Chichicastenango, Coatepeque, Cuidad Vieja, Huehuetenango, Mazatenango, Retalhuleu, Salcaja, San Marcos la Laguna, San Pedro la Laguna, Santa Catarina Pinula and Villa Nueva. Felt [III] at San Salvador, El Salvador. Also felt at Antiguo Cuscatlan and Ilopango. Felt [II] at Mexico and San Cristobal de las Casas, Mexico. Also felt at Tapachula and Tuxtla Gutierrez. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s130.00000°,δ70.00000° ,λ90.00000°. NP2:ϕ_s310.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000° ,Azm40.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm220.0000° Moment Tensor Solution. s164 Moment tensor: Scale 10^{18}Nm; M_{rr}5.34 $M_{\theta\theta}$-3.67 $M_{\phi\phi}$-1.67 $M_{r\theta}$1.90 $M_{\theta\phi}$1.91 $M_{\phi r}$-1.59 Best double couple: NP1:ϕ_s298.00000°,δ32.00000°,λ84.00000°. NP2:ϕ_s125.00000° ,δ58.00000°,λ93.00000°. Principal axes: T 5.9200,Plg76.0000°,Azm45.0000° ; N -0.5300,Plg2.0000°,Azm302.0000°; P -5.3900,Plg12.0000°,Azm212.0000° $M_0$5.70000×10^{18} Moment Tensor Solution. $M_0$1.70000×10^{19}
GCMT Event type se. Data Used: ll IU CN IC G. LP body wave period 50 sec. Mantle waves from 106 sta. Surface waves: sta=115, comp=273, per= 50. Moment Tensor Solution. s121,c316; s99,c219; Moment tensor: Scale 10^{19}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s289.00000°,δ26.00000°,λ74.00000°. NP2:ϕ_s127.00000° ,δ65.00000°,λ98.00000°. Principal axes: T 1.1600,Plg69.0000°,Azm53.0000° ; N 0.0500,Plg7.0000°,Azm304.0000°; P -1.2100,Plg20.0000°,Azm212.0000° $M_0$1.20000×10^{19}
ISCJB Event type fe.

(127) Chile-Argentina border region

ISC	**X**	**16 20 06 11.0–.31**	**32.18S–.02**	**69.95W–.06**	**107–3**	**4.4b**	**95**	**1-164**	
ISCJB	X	16 20 06 10.1–.31	32.18S–.02	69.95W–.06	112–3	4.4b			**¶12068828**
GUC	X	16 20 06 10.4–.56	32.17S	70.09W	115–4	4.2L,4.0			
NEIC	X	16 20 06 10.4	32.17S	70.09W	115	4.5,4.0			
IDC	X	16 20 06 12.3–1.5	32.19S	69.75W	117–11	4.3,4.2b			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=3.8km az=2.5.
GUC Error ellipse: s-maj=1.2km s-min=3.7km az=-1.0.
NEIC Event type fe. Felt [III] at Mendoza and San Juan. After GUC.
IDC Error ellipse: s-maj=19.5km s-min=12.6km az=79.0.

(662) Sakhalin Island

SKHL	**X**	**16 23 24 51.5–.40**	**47.19N**	**142.64E**	**10–0**	**4.9b**			**¶13936109**

SKHL Event type fe. Felt (II-III) at Sinegorsk, Sanatornyy.

(159) North Island

ISC	**X**	**17 00 06 23.8–.38**	**38.82S–.03**	**176.00E–.03**	**6–3**	**3.9b**	**50**	**0-63**	
ISCJB	X	17 00 06 23.4–.37	38.81S–.03	175.99E–.04	9–3	3.9b			**¶11492570**
IDC	X	17 00 06 23.7–.99	38.66S	175.91E	0	4.0,3.9b			
NEIC	X	17 00 06 23.4	38.83S	176.00E	5	4.3L,3.9b			
WEL	X	17 00 06 23.4–.09	38.83S	176.00E	5	4.3L,3.9b			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.8km az=138.3.
IDC Error ellipse: s-maj=27.3km s-min=10.3km az=157.0.
NEIC Event type fe. Felt [IV] at Taupo. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0. Felt from Rotorua to King Country, maximum reported intensity MM 4.

(163) Cook Strait

WEL	**X**	**17 00 25 30.4–.13**	**40.13S**	**174.92E**	**28–1**	**4.2L**			
NEIC	X	17 00 25 30.4	40.12S	174.92E	28	4.2L			**¶11492572**

WEL Event type fe. Error ellipse: s-maj=2.0km s-min=0.8km az=90.0. Felt from Auckland to Wellington, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] in the Wanganui area and at Wellington. After WEL.

(139) Mendoza Province

GUC	**X**	**17 02 20 12.0–.44**	**33.66S**	**68.68W**	**24–4**	**3.8,3.5L**			
NEIC	X	17 02 20 13.0	33.57S	68.80W	10	3.8,3.5L			**¶13397305**

GUC Error ellipse: s-maj=3.7km s-min=2.8km az=-1.0.
NEIC Event type fe. Felt [III] at San Carlos and Tunuyan. After SJA.

(224) Hokkaido region

ISC	**X**	**17 05 34 29.6–.36**	**42.64N–.04**	**143.14E–.05**	**115–2**	**3.8b**	**83**	**0-86**	
NIED	X	17 05 34 00	42.70N	143.10E	130	3.8W			**¶13397318**
MOS	X	17 05 34 28.6–1.2	42.65N	143.13E	124	4.5b			
ISCJB	X	17 05 34 28.6–.36	42.65N–.04	143.13E–.05	121–2	3.8b			
IDC	X	17 05 34 29.8–1.5	42.66N	143.17E	117–10	3.7,3.6b			
NEIC	X	17 05 34 30.6	42.68N	143.14E	106	4.4b,3.6b			
JMA	X	17 05 34 30.5–.10	42.68N	143.14E	106–1	3.8,3.6b			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s255.00000°,δ72.00000°,λ-67.00000°. NP2:ϕ_s22.00000°,δ29.00000°,λ-139.00000°. $M_0$5.09000×10^{14}
MOS Error ellipse: s-maj=19.1km s-min=11.3km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.2km az=147.9.
IDC Error ellipse: s-maj=18.4km s-min=15.2km az=127.0.
NEIC Event type se. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(163) Cook Strait

WEL	**X**	**17 06 28 24.6–.15**	**40.12S**	**174.92E**	**23–3**	**3.9L**			**¶11492582**

WEL Event type fe. Error ellipse: s-maj=1.9km s-min=0.9km az=90.0. Felt in the Wanganui region, maximum reported intensity MM 4.

(318) Yunnan

ISC	**X**	**17 21 37 46.9–1.5**	**23.26N–.05**	**103.98E–.06**	**9–11**	**3.5b**	**39**	**2-52**	
IDC	X	17 21 37 44.9–1.4	23.17N	104.24E	0	4.0L,3.5			**¶12068924**
PLV	X	17 21 37 45.6–2.6	23.32N	103.91E	0–19	3.3,3.5			
NEIC	X	17 21 37 46.3–.47	23.13N	104.13E	10	3.8b,3.5			

ISC Event type fe.
IDC Error ellipse: s-maj=30.8km s-min=20.5km az=107.0.
PLV Error ellipse: s-maj=16.1km s-min=16.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.5km s-min=7.3km az=108.0. Felt at Kaihua.

(249) Luzon

ISC	**X**	**17 23 21 25.5–.68**	**12.93N–.04**	**124.36E–.06**	**54–7**	**4.2b,3.5s**	**83**	**1-93**	
MAN	X	17 23 21 20	13.03N	124.41E	8	4.9b,3.9s			**¶12068932**
NEIC	X	17 23 21 21.4–.29	12.88N	124.44E	23	4.5b,3.9s			
ISCJB	X	17 23 21 23.8–.73	12.95N–.04	124.40E–.06	56–7	4.2b,3.5s			
IDC	X	17 23 21 24.5–3.4	12.84N	124.40E	49–33	4.1L,4.0			

ISC Event type fe.
MAN Event type fe. INTENSITY II - SORSOGON CITY LEGASPI CITY.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=5.6km az=70.0. Felt [II PIVS] at Sorsogon, Luzon.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=5.1km az=156.0.
IDC Error ellipse: s-maj=28.4km s-min=12.0km az=76.0.

(207) Eastern New Guinea region

ISC	**X**	**18 00 54 40.9–.11**	**6.96S–.02**	**147.29E–.02**	**84**	**5.7b**	**622**	**2-167**	
MOS	X	18 00 54 36.0–1.1	6.86S	147.23E	55	5.9b,4.8s			**¶13397379**
BJI	X	18 00 54 38.8	6.50S	147.64E	79	5.7b,5.7b			
ISCJB	X	18 00 54 39.3–.11	6.94S–.02	147.24E–.02	82	5.7b,5.7b			
NEIC	X	18 00 54 39.6–.08	6.95S	147.27E	77	5.8b,5.7W			
IDC	X	18 00 54 40.4–.49	6.95S	147.25E	82–4	5.3,5.3			
TEH	X	18 00 54 41.0	6.95S	147.25E	87	5.3,5.3			
GCMT	X	18 00 54 43.7–.10	7.07S	147.26E	78–0	5.7W,5.3			
DJA	X	18 00 54 43	7.08S	147.39E	108	5.9W,5.3			
BGS	X	18 00 54 44.0–1.9	3.08S	150.65E	77–0	5.8b,5.3			

ISC Event type fe.
MOS Error ellipse: s-maj=11.4km s-min=7.7km az=90.6.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.7km az=1.2.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=3.0km az=106.0. Felt at Lae. Moment Tensor Solution. s50 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.95 $M_{\theta\theta}$3.29 $M_{\phi\phi}$-0.34 $M_{r\theta}$-1.70 $M_{\theta\phi}$-0.20 $M_{\phi r}$0.95 Best double couple: NP1:ϕ_s107.00000°,δ61.00000°,λ-75.00000°. NP2: ϕ_s258.00000°,δ32.00000°,λ-115.00000°. Principal axes: T 3.7700,Plg14.0000° ,Azm186.0000°; N -0.1500,Plg12.0000°,Azm279.0000°; P -3.6200,Plg70.0000° ,Azm49.0000° $M_0$3.70000×10^{17}
IDC Error ellipse: s-maj=10.1km s-min=6.2km az=86.0.
GCMT Event type se. Data Used: ll IU CN IC G. Surface waves: sta=107, comp=231, per= 50. Moment Tensor Solution. s101,c218; s51,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.95±.04 $M_{\theta\theta}$3.64±.03; $M_{\phi\phi}$-0.69±.04; $M_{r\theta}$-1.81±.03; $M_{\theta\phi}$-1.19±.03; $M_{\phi r}$0.80±.03; Best double couple: NP1:ϕ_s276.00000°,δ31.00000°,λ-103.00000°. NP2:ϕ_s111.00000°,δ60.00000°,λ-82.00000°. Principal axes: T 4.4600,Plg15.0000°,Azm195.0000°; N -0.9600,Plg7.0000°,Azm287.0000° ; P -3.5000,Plg74.0000°,Azm41.0000° $M_0$4.00000×10^{17}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(600) Near coast of South Australia

ISC	**X**	**18 02 02 54.0–1.1**	**32.89S–.07**	**138.66E–.09**	**10**		**12**	**3-13**	
ISCJB	X	18 02 02 52.1–1.2	32.9S–.10	138.6E–.10	10				**¶11749017**
AUST	X	18 02 02 57.2	32.93S	138.78E	10	3.2L			
IDC	X	18 02 03 03.0–6.4	31.97S	138.99E	0	3.3,3.3			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.4km s-min=11.1km az=44.0.
AUST Event type fe. Felt in Peterborough.
IDC Error ellipse: s-maj=99.7km s-min=23.2km az=30.0.

(41) Southern Nevada

ISC	**X**	**18 02 27 37.2–.18**	**36.25N–.01**	**114.59W–.02**	**10**		**161**	**1-8**	
NEIC	X	18 02 27 37.9	36.18N	114.52W	0	4.0L,3.4W			**¶11359800**

ISC Event type fe.
NEIC Event type fe. Felt [II] at Boulder City. After REN. Moment Tensor Solution. $M_0$1.60000×10^{14}

(228) Near east coast of eastern Honshu

ISC	**X**	**18 10 38 26.2–.57**	**37.90N–.04**	**141.37E–.07**	**81–4**	**3.6b**	**47**	**0-90**	
NIED	X	18 10 38 00	37.90N	141.30E	65	4.1W			**¶11749035**
ISCJB	X	18 10 38 25.2–.57	37.90N–.04	141.36E–.07	87–4	3.6b			
JMA	X	18 10 38 26.4	37.92N	141.30E	81–1	3.8			
NEIC	X	18 10 38 26.4	37.92N	141.30E	81	3.8			

IDC X 18 10 38 28.0–3.0 37.87N 141.30E 102–27 3.5,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ74.00000°,λ-88.00000°. NP2:ϕ_s4.00000°,δ16.00000°,λ-96.00000°. $M_0$1.76000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.5km az=22.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s16.00000°,δ33.00000°,λ-127.00000°. NP2:ϕ_s238.00000°,δ65.00000°,λ-69.00000°. Principal axes: T Plg17.0000°,Azm313.0000°; N Plg19.0000°,Azm49.0000°; P Plg64.0000° ,Azm184.0000°
NEIC Event type fe. Recorded [1 JMA] in Fukushima, Iwate and Miyagi. After JMA.
IDC Error ellipse: s-maj=29.4km s-min=16.4km az=61.0.

(233) Near south coast of western Honshu

ISC	**X**	**18 13 28 36.1–.44**	**34.26N–.02**	**135.42E–.04**	**10**	**3.0b**	**22**	**0-42**
NIED	X	18 13 28 00	34.30N	135.40E	5	3.4W		**¶11360206**
ISCJB	X	18 13 28 35.6–.44	34.26N–.03	135.41E–.04	10	3.0b		
IDC	X	18 13 28 35.8–6.0	34.25N	135.47E	0	3.3b,3.3		
JMA	X	18 13 28 35.7	34.26N	135.41E	8–1	3.5,3.3		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ55.00000°,λ68.00000°. NP2:ϕ_s38.00000°,δ41.00000°,λ117.00000°. $M_0$1.52000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.6km az=169.4.
IDC Error ellipse: s-maj=108.2km s-min=18.6km az=156.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s27.00000°,δ33.00000°,λ112.00000°. NP2:ϕ_s181.00000°,δ59.00000°,λ76.00000°. Principal axes: T Plg72.0000°,Azm59.0000°; N Plg12.0000°,Azm188.0000°; P Plg13.0000° ,Azm281.0000°

(159) North Island

ISC	**X**	**18 23 13 26.9–.29**	**38.14S–.03**	**176.17E–.05**	**204–2**	**4.3b**	**164**	**0-155**
ISCJB	X	18 23 13 25.9–.29	38.14S–.03	176.16E–.05	211–2	4.3b		**¶11492623**
IDC	X	18 23 13 25.4–.62	37.81S	176.47E	199–4	4.2,4.0b		
NEIC	X	18 23 13 26.8	38.00S	176.24E	204	4.3b,4.0b		
WEL	X	18 23 13 26.8–.36	38.00S	176.24E	204–3	5.5L,4.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.6km az=11.5.
IDC Error ellipse: s-maj=27.8km s-min=15.4km az=37.0.
NEIC Event type fe. Felt in parts of Hawke's Bay and Bay of Plenty. After WEL.
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=90.0. Felt between Bay of Plenty, Wellington and Gisborne, maximum reported. intensity MM 4.

(228) Near east coast of eastern Honshu

ISC	**X**	**19 00 07 18.7–.60**	**40.80N–.04**	**141.96E–.07**	**65–6**	**3.6b**	**23**	**1-66**
IDC	X	19 00 07 08.0–2.6	40.74N	142.55E	0	3.7,3.6b		**¶12069010**
ISCJB	X	19 00 07 18.0–.62	40.80N–.04	141.94E–.08	70–6	3.6b,3.6b		
JMA	X	19 00 07 18.0–.10	40.82N	142.03E	63–1	3.4,3.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=95.2km s-min=27.9km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=5.9km az=25.5.
JMA Event type fe.

(224) Hokkaido region

ISC	**X**	**19 00 38 17.9–.80**	**42.29N–.08**	**143.03E–.06**	**61–5**	**3.8b**	**20**	**0-70**
IDC	X	19 00 38 05.3–19	41.80N	143.54E	0	3.9b,3.9		**¶12069012**
ISCJB	X	19 00 38 17.0–.80	42.29N–.08	143.03E–.06	67–5	3.8b,3.9		
JMA	X	19 00 38 18.7–.10	42.33N	143.01E	53–1	3.3,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=456.6km s-min=79.5km az=162.0.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=7.3km az=169.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(159) North Island

ISC	**X**	**19 01 05 19.2–.38**	**38.33S–.03**	**177.39E–.05**	**55–4**	**3.9b**	**91**	**0-155**
ISCJB	X	19 01 05 18.4–.40	38.31S–.03	177.40E–.05	63–3	3.9b		**¶11492625**
NEIC	X	19 01 05 19.8	38.24S	177.38E	50	4.3L,4.2b		
WEL	X	19 01 05 19.8–.13	38.24S	177.38E	50–1	4.3L,4.2b		
IDC	X	19 01 05 20.2–1.3	38.43S	176.80E	29–13	4.1L,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.9km az=154.0.
NEIC Event type fe. Felt [IV] at Whakatane. Felt in eastern Bay of Plenty. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=90.0. Felt between Bay of Plenty, Hawkes Bay and Gisborne, maximum reported. intensity MM 5.
IDC Error ellipse: s-maj=25.4km s-min=23.4km az=48.0.

(173) Tonga Islands

ISC	**X**	**19 05 10 34.4–.88**	**21.88S–.02**	**173.80W–.02**	**31–6**	**7.0s,6.7b**	**746**	**8-179**
NOU	X	19 05 09 31.5–.79	16.89S	168.72W	5–999	7.0s,6.7b		**¶11360248**
IDC	X	19 05 10 29.6–.27	21.84S	173.92W	0	6.8,6.8		
BJI	X	19 05 10 31.6	21.32S	173.35W	21	7.2b,7.0s		
DJA	X	19 05 10 32	21.97S	173.86W	10	7.4W,7.0s		
ISCJB	X	19 05 10 32.5–.88	21.88S–.02	173.85W–.02	30–6	7.0s,6.7b		
SZGRF	X	19 05 10 32.2	22.86S	173.42W	33	7.4b,6.7b		
MOS	X	19 05 10 33.1–.75	21.79S	173.92W	33	7.1b,7.0s		
NEIC	X	19 05 10 33.9–.08	21.86S	173.82W	29	7.0s,6.9W		
GCMT	X	19 05 10 40.5–.00	21.82S	173.56W	43–0	6.9W,6.9W		

ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=11.7km s-min=9.5km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.9km az=144.0.
SZGRF Tonga Islands region.
MOS Error ellipse: s-maj=9.5km s-min=6.3km az=50.9.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=148.0. Felt [IV] at Nuku'alofa. Also felt at Ohonua, Tofoa and Vaini. Two events about 2 seconds apart. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from CMT mechanism. Moment Tensor Solution. s98 Moment tensor: Scale 10^{19}Nm; M_{rr}2.09 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-1.87 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.78 $M_{\phi r}$-0.43 Best double couple: NP1:ϕ_s190.00000° ,δ50.00000°,λ74.00000°. NP2:ϕ_s34.00000°,δ43.00000°,λ108.00000°. Principal axes: T 2.2100,Plg77.0000°,Azm37.0000°; N -0.0100,Plg12.0000°,Azm200.0000° ; P -2.2000,Plg3.0000°,Azm290.0000° $M_0$2.20000×10^{19} Moment Tensor Solution. $M_0$4.30000×10^{19}
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 115 sta. Surface waves: sta=123, comp=314, per= 50. Moment Tensor Solution. s122,c320; s99,c281; Moment tensor: Scale 10^{19}Nm; M_{rr}2.75±.01 $M_{\theta\theta}$-0.03±.01; $M_{\phi\phi}$-2.72±.01; $M_{r\theta}$0.32±.01; $M_{\theta\phi}$-0.77±.01; $M_{\phi r}$0.05±.01; Best double couple: NP1:ϕ_s189.00000°,δ44.00000° ,λ81.00000°. NP2:ϕ_s21.00000°,δ47.00000°,λ99.00000°. Principal axes: T 2.7900,Plg84.0000°,Azm3.0000°; N 0.1400,Plg6.0000°,Azm195.0000° ; P -2.9300,Plg1.0000°,Azm105.0000° $M_0$2.90000×10^{19}

(250) Mindoro

ISC	**X**	**19 12 40 31.1–.38**	**13.53N–.04**	**120.80E–.06**	**139–4**	**3.8b**	**45**	**0-120**
ISCJB	X	19 12 40 30.1–.39	13.54N–.04	120.80E–.07	145–5	3.8b		**¶12069045**
IDC	X	19 12 40 30.0–.58	13.59N	121.02E	136–4	3.7,3.5b		
NEIC	X	19 12 40 30.7–1.1	13.77N	121.26E	145–10	4.3b,3.5b		
MAN	X	19 12 40 31	13.56N	120.73E	113	4.6b,3.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=7.0km az=170.5.
IDC Error ellipse: s-maj=38.9km s-min=13.1km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=22.5km s-min=12.8km az=64.0. Felt [II PIVS] at Paluan.
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.

(372) Cyprus region

ISC	**X**	**19 14 08 00.1–.44**	**34.82N–.01**	**34.04E–.02**	**29–3**	**4.1b**	**515**	**0-81**
IDC	X	19 14 07 56.1–.64	34.97N	34.06E	0	4.6L,4.3		**¶13397509**
MOS	X	19 14 07 58.8–1.2	34.81N	33.98E	33	4.4b,4.3		
ISK	X	19 14 07 58.8	34.83N	34.06E	32	4.3L,4.3		
DDA	X	19 14 07 58.3	35.24N	34.00E	6–5	4.1L,4.3		
HLW	X	19 14 07 59.0	34.91N	33.97E	33–49	3.5L,3.4		
CSEM	X	19 14 07 59.9–.10	34.84N	34.04E	30	4.3b,3.7W		
ISCJB	X	19 14 07 59.1–.20	34.78N–.01	34.02E–.02	41–3	4.1b,3.7W		
GRAL	X	19 14 07 59.0–.87	34.77N	34.13E	0–23	4.1,3.7W		
NEIC	X	19 14 07 59.7–.67	34.86N	33.97E	26–4	4.3b,4.0L		
SZGRF	X	19 14 08 00.1	34.61N	33.98E	33	4.2b,4.0L		
NIC	X	19 14 08 01.2–.10	34.93N	33.91E	9	4.2b,4.0L		

ISC Event type fe.
IDC Error ellipse: s-maj=15.8km s-min=13.0km az=63.0.
MOS Error ellipse: s-maj=10.5km s-min=4.2km az=117.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=5.6.
GRAL Error ellipse: s-maj=18.8km s-min=6.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=5.5km az=189.0. Felt [IV] at Agia Napa and Paralimni; [III] at Larnaka; [II] at Nicosia.
SZGRF Cyprus region.
NIC Event type fe. Felt earthquake; Maximum Intensity 4; Felt I=IV MM at Paralimni,Agia Napa, I=III MM at Larnaka and I=II MM at Nicosia. Moment Tensor Solution. $M_0$2.80000×10^{14}

(97) Near coast of Venezuela

ISC	**X**	**19 19 42 34.2–.17**	**10.69N–.02**	**62.40W–.02**	**85–1**	**4.4b**	**351**	**0-161**
LDG	X	19 19 42 32.0–.27	10.91N	62.79W	90–0	4.3b		**¶13397534**
ISCJB	X	19 19 42 33.0–.18	10.72N–.02	62.40W–.02	91–1	4.4b		
NEIC	X	19 19 42 34.2	10.73N	62.25W	79	4.4b,4.3W		
FUNV	X	19 19 42 35.3	10.70N	62.31W	77	4.3W,4.3W		
TRN	X	19 19 42 36.1	10.83N	62.28W	75	4.3,4.3W		
IDC	X	19 19 42 37.2–3.0	10.81N	62.59W	116–26	4.2,4.2		
RSPR	X	19 19 42 44.7	11.41N	62.86W	12–29	4.2,4.2		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=19.7km s-min=7.7km az=104.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=141.2.
NEIC Event type se. After CAR.
TRN Event type fe. Felt IV Trinidad.
IDC Error ellipse: s-maj=11.7km s-min=10.0km az=92.0.
RSPR Event type ke.

(201) Irian Jaya

ISC	**X**	**19 23 29 15.6–.62**	**3.61S–.04**	**140.10E–.04**	**71–5**	**4.6b**	**141**	**1-146**
BJI	X	19 23 29 12.6	3.61S	140.32E	79	5.0b,4.7s		**¶11360292**
IDC	X	19 23 29 13.2–.50	3.37S	140.19E	56–4	4.3s,4.3		
ISCJB	X	19 23 29 13.6–.66	3.62S–.03	140.11E–.04	70–6	4.6b,4.3		
NEIC	X	19 23 29 14.8–.81	3.56S	140.00E	63–8	4.7b,4.3		
GCMT	X	19 23 29 14.1–.20	3.29S	140.27E	56–1	5.0W,4.3		
DJA	X	19 23 29 16.4–.50	4S–5.0	140E–5.0	56–5	5.4b,5.3		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Genyem.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s60,c80; s71,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}3.17±.15 $M_{\theta\theta}$-4.30±.11; $M_{\phi\phi}$1.13±.14; $M_{r\theta}$-2.39±.10; $M_{\theta\phi}$0.82±.09; $M_{\phi r}$-0.12±.10; Best double couple: NP1:ϕ_s110.00000°,δ30.00000°,λ108.00000°. NP2:ϕ_s270.00000°,δ62.00000°,λ80.00000°. Principal axes: T 3.9100,Plg72.0000° ,Azm156.0000°; N 1.1800,Plg9.0000°,Azm275.0000°; P -5.0900,Plg16.0000°,Azm7.0000° $M_0$4.50000×10^{16}

(229) Off east coast of Honshu

ISC	**X**	**20 01 34 08.2–1.2**	**39.39N–.04**	**143.45E–.04**	**4–6**	**4.5b,4.0s**	**180**	**1-144**
NIED	X	20 01 34 00	39.40N	143.60E	17	4.6W,4.0s		**¶13397555**
ISCJB	X	20 01 34 06.5–1.2	39.36N–.04	143.52E–.04	5–7	4.5b,4.0s		
JMA	X	20 01 34 07.8–.10	39.38N	143.63E	29	4.5,4.0s		
MOS	X	20 01 34 10.6–1.2	39.36N	143.47E	33	4.6b,4.0s		
NEIC	X	20 01 34 12.7–.87	39.32N	143.40E	36–7	5.0b,4.6W		
IDC	X	20 01 34 14.1–3.1	39.25N	143.38E	51–28	4.1,4.0		
SZGRF	X	20 01 34 15.6	39.73N	143.58E	33	4.6b,4.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ68.00000°,λ100.00000°. NP2:ϕ_s187.00000°,δ24.00000°,λ68.00000°. $M_0$8.98000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.4km az=153.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=9.6km s-min=6.2km az=96.1.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=5.9km az=135.0. Recorded [1 JMA] in Iwate. Moment Tensor Solution. $M_0$9.00000×10^{15}
IDC Error ellipse: s-maj=16.9km s-min=15.3km az=163.0.
SZGRF Off east coast of Honshu, Japan.

(224) Hokkaido region

ISC	**X**	**20 02 52 58.5–.59**	**42.89N–.04**	**145.64E–.05**	**36–4**	**4.7b,3.8s**	**297**	**0-155**
NIED	X	20 02 52 00	42.90N	145.70E	35	4.7W,3.8s		**¶13397558**
IDC	X	20 02 52 52.7–.57	42.90N	145.65E	0	4.6,4.5		
BJI	X	20 02 52 52.5	42.68N	145.97E	24	4.9b,4.6b		
SZGRF	X	20 02 52 54.4	42.80N	147.96E	33	4.5b,4.6b		
ISCJB	X	20 02 52 57.2–.67	42.86N–.04	145.65E–.05	41–4	4.7b,3.8s		
JMA	X	20 02 52 57.4–.10	42.88N	145.67E	42–1	4.2,3.8s		
SKHL	X	20 02 52 57.9–.90	42.80N	145.70E	35–3	5.1b,3.8s		
MOS	X	20 02 52 58.5–.99	43.03N	145.54E	45	4.9b,3.8s		
NEIC	X	20 02 52 58.5–.68	42.83N	145.69E	41–5	4.8b,4.7W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ67.00000°,λ74.00000°. NP2: ϕ_s224.00000°,δ28.00000°,λ123.00000°. $M_0$1.42000×10^{16}
IDC Error ellipse: s-maj=17.4km s-min=14.2km az=153.0.
SZGRF Off southeast coast of Hokkaido, Japan.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.5km az=139.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=9.9km s-min=5.3km az=112.6.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=5.5km az=145.0. Recorded [1 JMA] in eastern Hokkaido. Moment Tensor Solution. $M_0$1.40000×10^{16}

(229) Off east coast of Honshu

ISC	**X**	**20 04 18 06.6–1.5**	**39.40N–.03**	**143.47E–.04**	**19–10**	**4.1b,3.3s**	**107**	**1-145**
NIED	X	20 04 18 00	39.40N	143.50E	26	4.3W,3.3s		**¶13397563**
JMA	X	20 04 18 05.4–.10	39.38N	143.53E	33	4.5,3.3s		
MOS	X	20 04 18 06.1–1.2	39.34N	143.52E	33	4.7b,3.3s		
ISCJB	X	20 04 18 06.1–1.4	39.37N–.03	143.52E–.04	31–10	4.1b,3.3s		
NEIC	X	20 04 18 09.3–1.1	39.35N	143.46E	42–8	4.6b,4.3W		
IDC	X	20 04 18 11.3–3.4	39.27N	143.44E	61–31	3.9,3.9L		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ60.00000°,λ73.00000°. NP2:ϕ_s233.00000°,δ34.00000°,λ117.00000°. $M_0$2.97000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=12.2km s-min=9.4km az=93.5.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=43.3.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=7.8km az=123.0. Recorded [1 JMA] in Iwate. Moment Tensor Solution. $M_0$3.00000×10^{15}
IDC Error ellipse: s-maj=20.6km s-min=17.8km az=114.0.

(115) Near coast of Peru

ISC	**X**	**20 04 27 20.7–2.0**	**13.0S–.20**	**76.8W–.20**	**57–21**		**14**	**1-145**
NEIC	X	20 04 27 17.0	13.15S	76.60W	48	4.0		**¶12069106**
ISCJB	X	20 04 27 19.5–2.1	13.1S–.20	76.8W–.20	54–24	4.0		
IDC	X	20 04 27 20.1–2.7	13.07S	76.78W	42–23	3.6,3.5L		

ISC Event type fe.
NEIC Event type fe. Felt [III] at San Vicente de Canete. After LIM.
ISCJB Event type fe. Error ellipse: s-maj=34.8km s-min=12.0km az=43.7.
IDC Error ellipse: s-maj=37.6km s-min=14.0km az=61.0.

(265) Minahassa Peninsula, Sulawesi

ISC	**X**	**20 04 54 20.4–.10**	**0.14N–.01**	**120.70E–.01**	**103**	**6.0b**	**860**	**2-165**
BJI	X	20 04 54 12.5	0.65S	120.97E	100	5.8b,5.8b		**¶13397565**
ISCJB	X	20 04 54 18.6–.10	0.16N–.01	120.72E–.02	101	6.0b,5.8b		
MOS	X	20 04 54 19.3–1.1	0.15N	120.75E	106	6.2b,5.8b		
NEIC	X	20 04 54 19.2–.11	0.11N	120.68E	96	6.2,6.1b		
IDC	X	20 04 54 20.6–.38	0.12N	120.69E	108–2	5.6,5.6		
GCMT	X	20 04 54 21.4–.10	0.21N	120.67E	108–0	5.9W,5.6		
TEH	X	20 04 54 21.0	0.10N	120.69E	105	5.9W,5.6		
DJA	X	20 04 54 22.1–.20	0N–2.0	121E–1.0	112–3	6.6b,6.4		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Tolitoli, [IV] at Poso, [III] at Gorontalo and [II] at Palu. Also felt at Palopo. Felt [II PIVS] at Zamboanga, Philippines. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s195.00000°,δ65.00000° ,λ110.00000°. NP2:ϕ_s334.00000°,δ32.00000°,λ54.00000°. Principal axes: T Plg64.0000° ,Azm139.0000°; N Plg0.0000°,Azm0.0000°; P Plg18.0000°,Azm270.0000° Moment Tensor Solution. s97 Moment tensor: Scale 10^{17}Nm; M_{rr}3.92 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-3.62 $M_{r\theta}$-2.99 $M_{\theta\phi}$2.06 $M_{\phi r}$-4.36 Best double couple: NP1:ϕ_s313.00000°,δ33.00000°,λ36.00000°. NP2:ϕ_s192.00000° ,δ72.00000°,λ118.00000°. Principal axes: T 7.5500,Plg54.0000°,Azm136.0000° ; N -1.8400,Plg26.0000°,Azm2.0000°; P -5.7100,Plg21.0000°,Azm261.0000° $M_0$6.80000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=121, comp=270, per= 50. Moment Tensor Solution. s113,c257; s60,c73; Moment tensor: Scale 10^{17}Nm; M_{rr}4.44±.06 $M_{\theta\theta}$0.05±.07; $M_{\phi\phi}$-4.49±.08; $M_{r\theta}$-3.78±.04; $M_{\theta\phi}$2.34±.06; $M_{\phi r}$-4.72±.05; Best double couple: NP1:ϕ_s314.00000°,δ35.00000°,λ35.00000°. NP2:ϕ_s194.00000°,δ71.00000°,λ120.00000°. Principal axes: T 8.7100,Plg54.0000°,Azm141.0000°; N -2.1000,Plg28.0000°,Azm4.0000°

; P -6.6100,Plg21.0000°,Azm262.0000° $M_0$7.70000×10^{17}

(58) Near coast of Guerrero

ISC	**X**	**20 05 01 01.8–.22**	**17.35N–.03**	**101.06W–.02**	**10**	**5.1b,4.7s**	**895**	**0-152**
IDC	X	20 05 00 59.8–.52	17.45N	101.04W	0	4.9,4.9		**¶11360307**
ISCJB	X	20 05 01 00.4–.22	17.40N–.03	101.05W–.02	10	5.1b,4.7s		
MEX	X	20 05 01 02.2–.53	17.17N	101.37W	21–11	5.0,4.7s		
MOS	X	20 05 01 03.8–.93	17.50N	100.84W	33	5.3b,4.7s		
NEIC	X	20 05 01 04.6–.22	17.46N	101.00W	26	5.1b,5.1		
BJI	X	20 05 01 05.3	17.70N	100.90W	25	5.9b,5.2s		
GCMT	X	20 05 01 09.9–.40	17.43N	100.95W	29–0	5.2W,5.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=10.8km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=1.9km az=32.6.
MEX Error ellipse: s-maj=3.8km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=10.7km s-min=4.9km az=97.1.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.5km az=214.0. Felt at Ixtapa, Mexico and Zihuatanejo.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s35,c47; s58,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}7.43±.44 $M_{\theta\theta}$-5.38±.26; $M_{\phi\phi}$-2.05±.26; $M_{r\theta}$3.66±.34; $M_{\theta\phi}$2.15±.17; $M_{\phi r}$-1.29±.44; Best double couple: NP1:ϕ_s298.00000°,δ31.00000°,λ95.00000°. NP2:ϕ_s113.00000°,δ60.00000°,λ87.00000°. Principal axes: T 8.4500,Plg75.0000° ,Azm16.0000°; N -1.0100,Plg2.0000°,Azm114.0000°; P -7.4400,Plg15.0000°,Azm205.0000° $M_0$7.90000×10^{16}

(137) San Juan Province

ISC	**X**	**20 06 32 40.1–.40**	**31.31S–.03**	**68.24W–.05**	**106–4**	**4.2b**	**72**	**0-163**
ISCJB	X	20 06 32 38.9–.42	31.32S–.03	68.24W–.05	111–4	4.2b		**¶12069111**
NEIC	X	20 06 32 39.9–.50	31.32S	68.21W	103–4	4.1		
IDC	X	20 06 32 40.1–.39	31.38S	68.33W	104–2	4.0,4.0		
GUC	X	20 06 32 40.2–.58	31.32S	68.54W	150–0	4.5L,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.6km az=162.4.
NEIC Event type fe. Error ellipse: s-maj=10.5km s-min=6.8km az=75.0. Felt [III] at San Juan.
IDC Error ellipse: s-maj=20.7km s-min=10.4km az=74.0.
GUC Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0.

(385) Strait of Gibraltar

ISC	**X**	**20 09 46 10.3–.31**	**36.45N–.02**	**2.63W–.02**	**10**		**349**	**0-7**
CSEM	X	20 09 46 06.9–.23	36.21N	2.59W	5	3.8L		**¶11361738**
ISCJB	X	20 09 46 09.4–.32	36.50N–.02	2.70W–.02	10	3.8L		
CNRM	X	20 09 46 09.4	36.24N	2.64W	30	3.7		
CRAAG	X	20 09 46 11.2	36.41N	2.53W		4.2L		
LDG	X	20 09 46 11.4–.18	36.45N	2.54W	2–0	3.8L		
MDD	X	20 09 46 11.8–.36	36.47N	2.56W	10–0	3.5		
SFS	X	20 09 46 11.0	36.47N	2.55W	9	3.4L		
NEIC	X	20 09 46 11.9	36.47N	2.56W	9	3.4		
IGIL	X	20 09 46 11.9	36.49N	2.57W	2	3.6L		
INMG	X	20 09 46 12.6–1.4	36.48N	2.63W	17–3	3.3L		

ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=132.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=179.3.
CNRM Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=165.0.
MDD Event type fe. Error ellipse: s-maj=3.5km s-min=2.8km az=143.0. EMS: II ALMERA CAPITAL, CAADA DE SAN URBANO, LA MOJONERA. PRXIMO.
SFS Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=115.0.

(135) Near coast of central Chile

GUC	**X**	**20 12 20 48.9–.43**	**32.38S**	**71.30W**	**44–1**	**3.5,3.4L**		
NEIC	X	20 12 20 48.9	32.38S	71.30W	44	3.5,3.4L		**¶13397597**

GUC Error ellipse: s-maj=0.9km s-min=2.1km az=-1.0.
NEIC Event type fe. Felt [II] at Papudo, Petorca and Zapallar. After GUC.

(211) Southeast of Honshu

ISC	**X**	**20 15 51 24.8–.33**	**32.30N–.02**	**139.97E–.02**	**113–2**	**5.0b**	**982**	**1-164**
NIED	X	20 15 51 00	32.30N	140.30E	92	5.0W		**¶13397616**
BJI	X	20 15 51 16.1	32.18N	140.82E	109	4.8b,4.8b		
MOS	X	20 15 51 19.9–.98	32.23N	139.97E	87	5.2b,4.8b		
IDC	X	20 15 51 22.6–.56	32.26N	139.97E	97–3	4.8,4.8		
JMA	X	20 15 51 22.5–.20	32.28N	140.34E	89–3	5.1,4.8		
NEIC	X	20 15 51 23.9–.12	32.27N	139.99E	110	5.0b,5.0W		
ISCJB	X	20 15 51 23.2–.34	32.26N–.02	139.95E–.02	112–2	5.0b,5.0W		
GCMT	X	20 15 51 24.8–.30	32.33N	140.12E	100–2	5.0W,5.0W		
TEH	X	20 15 51 25.0	32.29N	139.95E	118	5.0W,5.0W		
SZGRF	X	20 15 51 29.1	35.10N	140.15E	33	5.0b,5.0W		
DJA	X	20 15 51 33	32.13N	140.09E	200	5.0b,5.0W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ84.00000°,λ-155.00000°. NP2:ϕ_s110.00000°,δ65.00000°,λ-7.00000°. $M_0$4.04000×10^{16}
MOS Error ellipse: s-maj=7.9km s-min=4.1km az=113.5.
IDC Error ellipse: s-maj=10.9km s-min=8.3km az=87.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=156.0. Recorded [1 JMA] on Aoga-shima and Hachijo-jima. Also recorded [1 JMA] in Chiba. Moment Tensor Solution. $M_0$4.00000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=163.5.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s35,c43; s69,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03±.13 $M_{\theta\theta}$3.16±.13; $M_{\phi\phi}$-3.13±.12; $M_{r\theta}$1.11±.10; $M_{\theta\phi}$2.25±.11; $M_{\phi r}$0.82±.09; Best double couple: NP1:ϕ_s118.00000°,δ73.00000°,λ7.00000°. NP2:ϕ_s26.00000°,δ83.00000°,λ163.00000°. Principal axes: T 4.2800,Plg17.0000° ,Azm341.0000°; N -0.3800,Plg72.0000°,Azm185.0000°; P -3.9100,Plg7.0000°,Azm73.0000° $M_0$4.10000×10^{16}
SZGRF Near east coast of eastern Honshu, Japan.

(109) Near coast of northern Peru

ISC	**X**	**20 17 05 52.2–1.8**	**8.89S–.07**	**79.2W–.20**	**75–17**	**3.6b**	**21**	**2-139**
ISCJB	X	20 17 05 50.1–2.0	8.92S–.07	79.3W–.20	75–19	3.6b		**¶12069142**
IDC	X	20 17 05 52.1–2.5	8.87S	79.19W	74–24	3.8,3.6		
NEIC	X	20 17 05 52.0–1.5	8.89S	79.11W	77–13	4.2,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=32.4km s-min=8.1km az=165.7.
IDC Error ellipse: s-maj=36.2km s-min=9.3km az=78.0.
NEIC Event type fe. Error ellipse: s-maj=30.7km s-min=9.1km az=66.0. Felt [III] at Salaverry and [II] at Chimbote and Trujillo.

(248) Philippine Islands region

ISC	**X**	**20 19 51 37.7–2.3**	**20.57N–.05**	**122.17E–.08**	**26–17**	**3.6b,3.6s**	**38**	**2-82**
NIED	X	20 19 51 00	20.70N	122.50E	38	4.2W,3.6s		**¶11749135**
IDC	X	20 19 51 33.8–.95	20.46N	122.14E	0	3.8L,3.8		
NEIC	X	20 19 51 35.1–.67	20.55N	122.20E	10	3.9b,3.8		
ISCJB	X	20 19 51 36.3–2.2	20.57N–.05	122.22E–.07	30–17	3.6b,3.6s		
JMA	X	20 19 51 37.7–.50	20.74N	122.54E	0	3.9,3.6s		
MAN	X	20 19 51 42	20.26N	122.01E	22	5.1b,4.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s183.00000°,δ70.00000°,λ22.00000°. NP2:ϕ_s85.00000°,δ69.00000°,λ158.00000°. $M_0$2.16000×10^{15}
IDC Error ellipse: s-maj=30.6km s-min=17.5km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=17.5km s-min=9.3km az=77.0. Felt [III PIVS] at Basco.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=6.5km az=28.5.
JMA Error ellipse: s-maj=4.4km s-min=7.3km az=-1.0.
MAN Event type fe. INTENSITY III - BASCO BATANES.

(385) Strait of Gibraltar

ISC	**X**	**21 03 28 53.9–.32**	**36.55N–.01**	**2.64W–.01**	**15–2**	**4.1b,3.7s**	**716**	**0-81**
LDG	X	21 03 28 50.8–.23	36.30N	2.67W	10–0	4.2L,3.7s		**¶11361780**
CNRM	X	21 03 28 52.9	36.53N	2.14W	30	4.2,3.7s		
CSEM	X	21 03 28 52.5–.10	36.49N	2.59W	5	4.5L,4.3L		
IDC	X	21 03 28 53.0–.83	36.52N	2.51W	0	4.1b,4.1		
NEIC	X	21 03 28 53.5	36.45N	2.55W	0	3.9,4.1		
MDD	X	21 03 28 53.6–.26	36.45N	2.54W	10–0	4.2,4.1		
SFS	X	21 03 28 53.0	36.44N	2.54W	0	3.9L,4.1		
CRAAG	X	21 03 28 53.1	36.56N	2.75W		4.2L,4.1		
INMG	X	21 03 28 54.0–1.1	36.46N	2.57W	13–2	4.2,4.0L		
IGIL	X	21 03 28 55.0	36.47N	2.56W	10	4.2L,4.0L		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=3.0.
CNRM Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=155.0.
IDC Error ellipse: s-maj=23.9km s-min=13.8km az=80.0.
NEIC Event type fe. Felt at Roquetas de Mar, Spain. After MDD.
MDD Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=131.0. EMS:II ALMERIA. PRXIMO.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=115.0.

(385) Strait of Gibraltar

ISC	**X**	**21 05 55 45.7–.34**	**36.47N–.01**	**2.70W–.01**	**6–2**	**4.5b,4.0s**	**590**	**0-89**
BJI	X	21 05 55 42.6	36.40N	2.50W	10	5.0s,5.0b		**¶11360722**
ISCJB	X	21 05 55 44.8–.35	36.47N–.01	2.68W–.02	14–2	4.5b,4.0s		
CSEM	X	21 05 55 45.5–.11	36.45N	2.64W	5	4.6b,4.4L		
IDC	X	21 05 55 45.9–.71	36.38N	2.66W	0	4.1,4.0b		
LDG	X	21 05 55 45.0–.22	36.35N	2.64W	10–0	4.2L,4.0b		
MDD	X	21 05 55 46.4–.37	36.45N	2.58W	5–3	4.3,4.0b		
NEIC	X	21 05 55 47.1	36.48N	2.62W	3	4.5b,4.1W		
INMG	X	21 05 55 47.0–1.4	36.48N	2.60W	13–3	3.9L,4.1W		
SFS	X	21 05 55 47.0	36.47N	2.56W	4	4.1L,4.1W		
IGIL	X	21 05 55 47.3	36.47N	2.59W	5	4.2L,4.1W		
CRAAG	X	21 05 55 47.7	36.41N	2.74W		4.1L,4.1W		
CNRM	X	21 05 55 50.2	36.33N	2.59W	30	4.1,4.1W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.1km az=161.1.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=159.0.
IDC Error ellipse: s-maj=20.6km s-min=11.5km az=93.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=10.0.
MDD Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=129.0. EMS: II ALMERIA ROQUETAS DE MAR OL. PRXIMO.
NEIC Event type se. After MDD. Moment Tensor Solution. $M_0$1.80000×10^{15}
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=120.0.
SFS Event type ke.
CNRM Event type ke.

(307) Sichuan

ISC	**X**	**21 07 25 28.4–.82**	**31.71N–.02**	**104.19E–.03**	**7–5**	**4.1b,3.4s**	**91**	**1-94**
IDC	X	21 07 25 26.8–.62	31.63N	104.15E	0	4.4L,4.3		**¶11478026**
ISCJB	X	21 07 25 28.6–1.4	31.66N–.03	104.15E–.04	15–9	4.1b,3.4s		
NEIC	X	21 07 25 28.8–.41	31.56N	104.08E	10	4.5b,3.4s		
BJI	X	21 07 25 29.5	31.66N	104.16E	15	4.7b,4.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=20.6km s-min=13.0km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.3km az=159.6.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=7.4km az=5.0. Felt at Chengdu.

(161) Off west coast of South Island

WEL	**X**	**21 09 33 26.3–.37**	**45.12S**	**166.86E**	**27–2**	**4.1L**		
								¶11492686

WEL Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=90.0. Felt in the Fiordland region, maximum reported intensity MM 4.

(139) Mendoza Province

ISC	**X**	**21 10 10 42.7–.22**	**32.20S–.03**	**68.90W–.05**	**122**	**4.6b**	**468**	**1-173**
ISCJB	X	21 10 10 41.5–.20	32.09S–.02	68.98W–.04	120	4.6b		**¶11360727**
GUC	X	21 10 10 41.2–1.0	32.05S	69.18W	142–17	4.6L		
IDC	X	21 10 10 41.9–.47	32.07S	68.78W	118–3	4.3,4.2		
NEIC	X	21 10 10 42.3–.20	32.15S	68.95W	120	4.6b,4.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=2.8km az=26.3.
GUC Error ellipse: s-maj=2.9km s-min=13.5km az=-1.0.
IDC Error ellipse: s-maj=14.1km s-min=11.3km az=92.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.9km az=99.0. Felt [IV] at Calingasta and [III] at Mendoza and San Juan.

(280) Banda Sea

ISC	**X**	**21 13 00 48.7–.16**	**7.61S–.02**	**127.70E–.02**	**140**	**5.3b**	**440**	**4-163**
BJI	X	21 13 00 40.3	8.42S	128.26E	148	5.3b,5.2b		**¶11360732**
ISCJB	X	21 13 00 46.7–.15	7.59S–.02	127.71E–.02	138	5.3b,5.2b		
NEIC	X	21 13 00 48.0–.12	7.47S	127.73E	135	5.5b,5.5W		
MOS	X	21 13 00 48.9–.88	7.26S	127.75E	145	5.3b,4.6s		
GCMT	X	21 13 00 51.3–.10	7.67S	127.72E	152–0	5.6W,4.6s		
IDC	X	21 13 00 51.7–.79	7.49S	127.65E	165–6	5.0,5.0		
DJA	X	21 13 00 51.0–.20	8S–2.0	128E–2.0	161–3	5.8b,5.8		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Darwin, Australia. Felt at Dili, Timor-Leste. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-1.57 $M_{\phi\phi}$0.33 $M_{r\theta}$-1.57 $M_{\theta\phi}$0.70 $M_{\phi r}$0.49 Best double couple: NP1:ϕ_s288.00000°,δ69.00000°,λ89.00000°. NP2:ϕ_s109.00000° ,δ21.00000°,λ92.00000°. Principal axes: T 1.9600,Plg66.0000°,Azm196.0000° ; N 0.5600,Plg0.0000°,Azm287.0000°; P -2.5200,Plg23.0000°,Azm17.0000° $M_0$2.30000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=117, comp=242, per= 50. Moment Tensor Solution. s99,c186; s46,c48; Moment tensor: Scale 10^{17}Nm; M_{rr}2.38±.04 $M_{\theta\theta}$-2.43±.04; $M_{\phi\phi}$0.06±.04; $M_{r\theta}$-1.99±.03; $M_{\theta\phi}$-0.32±.04; $M_{\phi r}$0.84±.03; Best double couple: NP1:ϕ_s66.00000°,δ28.00000°,λ58.00000°. NP2:ϕ_s281.00000°,δ66.00000°,λ106.00000°. Principal axes: T 3.3400,Plg65.0000°,Azm219.0000°; N -0.1900,Plg14.0000°,Azm95.0000° ; P -3.1500,Plg20.0000°,Azm360.0000° $M_0$3.20000×10^{17}

(308) Northern India

ISC	**X**	**21 15 09 09.1–.53**	**31.57N–.02**	**77.39E–.02**	**10–3**	**4.4b,3.6s**	**287**	**0-145**
IDC	X	21 15 09 06.6–.55	31.51N	77.37E	0	4.3,4.2		**¶13397710**
LDG	X	21 15 09 07.2–.14	31.50N	77.50E	10–0	4.6b,3.1s		
ISCJB	X	21 15 09 08.0–.90	31.58N–.02	77.41E–.02	15–6	4.4b,3.6s		
NDI	X	21 15 09 09.4–3.7	31.55N	77.38E	10–0	4.5L,4.5b		
MOS	X	21 15 09 10.9–1.0	31.69N	77.49E	33	4.6b,4.5b		
NEIC	X	21 15 09 10.5–2.2	31.66N	77.47E	17–14	4.5b,4.5b		
BJI	X	21 15 09 12.7	31.87N	77.75E	25	4.6b,4.6b		
NNC	X	21 15 09 15.6–6.4	32.06N	77.22E	27–61	4.3b,4.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=12.0km az=40.0.
LDG Event type ke. Error ellipse: s-maj=10.7km s-min=4.5km az=28.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=36.2.
NDI Error ellipse: s-maj=9.5km s-min=8.0km az=-1.0.
MOS Error ellipse: s-maj=9.1km s-min=4.9km az=112.9.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=3.8km az=47.0. Felt strongly in the Mandi-Karsog-Sundarnagar area.
NNC Error ellipse: s-maj=38.3km s-min=26.4km az=122.0.

(238) Ryukyu Islands

ISC	**X**	**22 00 39 29.3–.36**	**28.82N–.02**	**130.10E–.04**	**46–2**	**5.0b,4.1s**	**515**	**1-159**
NIED	X	22 00 39 00	28.80N	130.10E	38	5.0W,4.1s		**¶13397757**
BJI	X	22 00 39 21.7	28.54N	130.59E	33	4.9b,4.7b		
IDC	X	22 00 39 22.7–.49	28.88N	130.06E	0	4.7,4.7b		
SZGRF	X	22 00 39 22.4	29.36N	131.16E	33	5.3b,4.5s		
MOS	X	22 00 39 26.1–.98	28.88N	130.14E	33	5.2b,4.1s		
ISCJB	X	22 00 39 28.9–.34	28.85N–.02	130.01E–.03	52–2	5.0b,4.1s		
JMA	X	22 00 39 28.1–.20	28.81N	130.11E	65–3	4.7,4.1s		
NEIC	X	22 00 39 28.4–.55	28.85N	130.04E	38–5	5.2b,5.0W		
TEH	X	22 00 39 30.0	28.95N	129.74E	33	5.2b,5.0W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ83.00000°,λ-98.00000°. NP2:ϕ_s68.00000°,δ11.00000°,λ-41.00000°. $M_0$3.57000×10^{16}
IDC Error ellipse: s-maj=14.8km s-min=12.6km az=78.0.
SZGRF Southeast of Ryukyu Islands, Japan.
MOS Error ellipse: s-maj=9.3km s-min=4.4km az=122.7.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.0km az=28.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.4km az=142.0. Recorded [2 JMA] on Amami-oshima and [1 JMA] on Akuseki-jima. Moment Tensor Solution. $M_0$3.60000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**X**	**22 11 06 13.4–1.3**	**36.90N–.05**	**141.38E–.08**	**30–5**	**3.5b**	**31**	**1-61**
NIED	X	22 11 06 00	36.90N	141.30E	59	3.6W		**¶11749224**
JMA	X	22 11 06 14.2–.10	36.91N	141.23E	52–1	3.8		
NEIC	X	22 11 06 14.3	36.91N	141.23E	52	3.8		
IDC	X	22 11 06 20.2–5.5	37.71N	140.51E	22–30	4.1,3.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s334.00000°,δ79.00000°,λ-49.00000°. NP2:ϕ_s77.00000°,δ42.00000°,λ-163.00000°. $M_0$3.30000×10^{14}

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s73.00000°,δ34.00000°,λ176.00000°. NP2: ϕ_s167.00000°,δ88.00000°,λ56.00000°. Principal axes: T Plg38.0000°,Azm47.0000° ; N Plg34.0000°,Azm168.0000°; P Plg34.0000°,Azm285.0000°

NEIC Event type fe. Recorded [1 JMA] in Fukushima, Ibaraki and Tochigi. After JMA.

IDC Error ellipse: s-maj=38.3km s-min=22.6km az=71.0.

(173) Tonga Islands

ISC	**X**	**22 12 55 57.8–.07**	**18.47S–.02**	**175.40W–.02**	**235**	**6.0b**	**1139**	**6-176**
MOS	X	22 12 55 51.8–.72	18.29S	175.40W	190	6.0b,5.5s		**¶11360973**
ISCJB	X	22 12 55 56.3–.07	18.42S–.02	175.44W–.02	233	6.0b,5.5s		
BJI	X	22 12 55 57.5	17.86S	175.13W	234	6.3b,6.0b		
IDC	X	22 12 55 57.8–.56	18.53S	175.53W	233–4	5.7,5.7		
NEIC	X	22 12 55 57.4–.09	18.41S	175.35W	233	6.3W,6.3W		
SZGRF	X	22 12 55 58.1	18.73S	175.16W	238	6.3W,6.3W		
GCMT	X	22 12 56 03.2–.10	18.40S	174.98W	244–0	6.4W,6.3W		
DJA	X	22 12 56 08	18.55S	175.78W	320	6.7W,6.3W		

ISC Event type fe.

MOS Error ellipse: s-maj=7.5km s-min=5.8km az=53.4.

ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.6km az=43.8.

IDC Error ellipse: s-maj=9.9km s-min=7.0km az=127.0.

NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=148.0. Felt at Neiafu, Nuku'alofa and Tofoa. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s30.00000°,δ65.00000°,λ-90.00000°. NP2:ϕ_s210.00000°,δ25.00000°,λ-90.00000°. Principal axes: T Plg20.0000°,Azm120.0000°; N Plg0.0000°,Azm0.0000°; P Plg70.0000° ,Azm300.0000° Moment Tensor Solution. s113 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.24 $M_{\theta\theta}$1.14 $M_{\phi\phi}$1.11 $M_{r\theta}$-1.43 $M_{\theta\phi}$1.28 $M_{\phi r}$-2.96 Best double couple: NP1:ϕ_s241.00000° ,δ20.00000°,λ-60.00000°. NP2:ϕ_s30.00000°,δ73.00000°,λ-100.00000°. Principal axes: T 4.0100,Plg27.0000°,Azm127.0000°; N 0.0400,Plg9.0000°,Azm32.0000° ; P -4.0400,Plg60.0000°,Azm284.0000° $M_0$4.00000×10^{18} Moment Tensor Solution. $M_0$4.50000×10^{18}

SZGRF Tonga Islands.

GCMT Event type se. Data Used: II IU IC G CN. Mantle waves from 103 sta. Surface waves: sta=119, comp=300, per= 50. Moment Tensor Solution. s115,c300; s99,c196; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.77±.02 $M_{\theta\theta}$1.07±.02; $M_{\phi\phi}$0.70±.02; $M_{r\theta}$-1.70±.02; $M_{\theta\phi}$1.28±.02; $M_{\phi r}$-3.51±.02; Best double couple: NP1:ϕ_s252.00000°,δ17.00000°,λ-48.00000°. NP2:ϕ_s28.00000°,δ78.00000°,λ-102.00000°. Principal axes: T 4.4300,Plg32.0000° ,Azm128.0000°; N -0.0900,Plg11.0000°,Azm31.0000°; P -4.3400,Plg56.0000° ,Azm284.0000° $M_0$4.40000×10^{18}

(710) Pakistan

ISC	**X**	**22 14 49 36.2–.87**	**33.75N–.06**	**73.24E–.07**	**24–8**		**31**	**0-18**
ISCJB	X	22 14 49 34.7–.61	33.77N–.07	73.30E–.08	35–15			**¶11478033**
NEIC	X	22 14 49 37.0–.86	33.71N	73.17E	46–27			

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=14.9km s-min=6.9km az=42.4.

NEIC Event type fe. Error ellipse: s-maj=16.9km s-min=6.2km az=46.0. Felt at Islamabad.

(248) Philippine Islands region

ISC	**X**	**22 17 12 44.8–.36**	**15.15N–.03**	**122.07E–.06**	**69–4**	**4.4b**	**78**	**0-87**
IDC	X	22 17 12 36.4–.64	15.16N	122.63E	0	4.5,4.3		**¶12070815**
NEIC	X	22 17 12 42.8–1.5	15.08N	122.42E	50–14	4.7b,4.3		
ISCJB	X	22 17 12 43.7–.37	15.14N–.03	122.11E–.06	78–4	4.4b,4.3		
MAN	X	22 17 12 44	9.38N	126.46E	1	5.5b,4.7s		

ISC Event type fe.

IDC Error ellipse: s-maj=25.3km s-min=12.7km az=75.0.

NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=8.9km az=74.0. Felt [II PIVS] at Baler, Guinayangan, Makati and Quezon City, Luzon.

ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.3km az=163.9.

MAN Event type fe. INTENSITY II - QUEZON CITY MAKATI CITY; GUINAYANGAN QUEZON; BALER AURORA.

(228) Near east coast of eastern Honshu

JMA	**X**	**22 17 32 11.5**	**39.61N**	**142.06E**	**30–1**	**3.6**		
								¶14114070

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s135.00000°,δ50.00000°,λ166.00000°. NP2:ϕ_s234.00000°,δ79.00000°,λ41.00000°. Principal axes: T Plg36.0000°,Azm103.0000°; N Plg48.0000°,Azm247.0000°; P Plg19.0000° ,Azm359.0000°

(224) Hokkaido region

ISC	**X**	**23 04 40 17.7–.56**	**42.67N–.03**	**145.15E–.05**	**37–4**	**4.5b,3.8s**	**186**	**0-153**
NIED	X	23 04 40 00	42.70N	145.20E	32	4.4W,3.8s		**¶13397859**
BJI	X	23 04 40 11.8	42.68N	145.84E	36	4.9b,4.7b		
ISCJB	X	23 04 40 15.8–.64	42.61N–.04	145.19E–.05	39–4	4.5b,3.8s		
MOS	X	23 04 40 16.4–1.1	42.60N	145.15E	45	4.8b,3.8s		
JMA	X	23 04 40 17.3	42.71N	145.20E	47–1	4.2,3.8s		
SKHL	X	23 04 40 17.8–1.3	42.60N	145.20E	37–6	6.1,4.9b		
IDC	X	23 04 40 18.2–2.7	42.63N	145.13E	45–25	4.3,4.2		
NEIC	X	23 04 40 18.8–.61	42.60N	145.17E	51–5	4.6b,4.4W		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s254.00000°,δ69.00000°,λ-101.00000°. NP2:ϕ_s101.00000°,δ24.00000°,λ-65.00000°. $M_0$4.54000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.7km az=139.5.

MOS Error ellipse: s-maj=10.0km s-min=6.4km az=94.8.

JMA Event type fe.

IDC Error ellipse: s-maj=14.7km s-min=13.6km az=146.0.

NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=5.3km az=128.0. Recorded [3 JMA] in eastern Hokkaido. Moment Tensor Solution. $M_0$4.50000×10^{15}

(221) Kuril Islands

ISC	**X**	**23 05 32 41.7–.40**	**43.20N–.03**	**146.73E–.03**	**53–3**	**4.7b,4.0s**	**625**	**1-154**
NIED	X	23 05 32 00	43.10N	146.80E	47	4.6W,4.0s		**¶13397861**
MOS	X	23 05 32 39.6–.91	43.17N	146.76E	52	5.0b,4.0s		
SKHL	X	23 05 32 39.9–.30	43.10N	146.90E	66–3	5.0b,4.2s		
BJI	X	23 05 32 39.7	43.64N	146.88E	57	5.0b,4.6b		
JMA	X	23 05 32 40.0–.10	43.09N	146.79E	57–2	4.6,4.6b		
ISCJB	X	23 05 32 40.5–.42	43.21N–.04	146.74E–.03	57–3	4.7b,4.0s		
IDC	X	23 05 32 42.7–.58	43.13N	146.71E	70–6	4.5,4.4		
NEIC	X	23 05 32 43.3–.19	43.16N	146.72E	72	4.7b,4.4		
SZGRF	X	23 05 32 52.0	44.89N	147.82E	33	5.0b,4.4		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ76.00000°,λ115.00000°. NP2:ϕ_s173.00000°,δ29.00000°,λ30.00000°. $M_0$8.11000×10^{15}

MOS Event type fe. Error ellipse: s-maj=8.7km s-min=5.1km az=105.8. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.2km az=167.9.

IDC Error ellipse: s-maj=15.4km s-min=11.6km az=158.0.

NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.2km az=166.0. Recorded [2 JMA] in eastern Hokkaido.

SZGRF Kuril Islands, Russia.

(227) Eastern Honshu

JMA	**X**	**23 07 00 02.6**	**35.37N**	**138.97E**	**17–1**	**3.0**		
								¶14114240

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s167.00000°,δ56.00000°,λ29.00000°. NP2:ϕ_s59.00000°,δ67.00000°,λ142.00000°. Principal axes: T Plg43.0000°,Azm19.0000°; N Plg46.0000°,Azm212.0000°; P Plg7.0000° ,Azm115.0000°

(259) Mindanao

ISC	**X**	**23 09 21 14.6–.12**	**6.01N–.01**	**125.95E–.02**	**130**	**5.8b**	**794**	**1-163**
BJI	X	23 09 21 11.9	5.85N	125.88E	127	5.7b,5.6b		**¶13397878**
ISCJB	X	23 09 21 12.9–.11	6.02N–.02	125.94E–.02	128	5.8b,5.6b		
MAN	X	23 09 21 12	5.70N	125.92E	107	5.8b,5.3s		
TEH	X	23 09 21 14.0	5.98N	125.86E	124	5.8b,5.3s		
IDC	X	23 09 21 14.6–.46	5.95N	125.78E	127–3	5.4,5.4		
MOS	X	23 09 21 15.1–1.0	6.08N	125.58E	138	5.8b,4.6s		
NEIC	X	23 09 21 15.1–.57	5.96N	125.78E	130–5	5.8b,5.6W		
DJA	X	23 09 21 15	6.06N	126.06E	130	5.9W,5.6W		
GCMT	X	23 09 21 17.0–.10	5.94N	125.98E	127–0	5.7W,5.6W		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=175.2.

MAN Event type fe. INTENSITY III - GENERAL SANTOS CITY; INTENSITY II - KIDAPAWAN CITY.

IDC Error ellipse: s-maj=11.6km s-min=7.0km az=75.0.

MOS Error ellipse: s-maj=8.7km s-min=4.5km az=114.0.

NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.3km az=70.0. Felt [III PIVS] at Davao, General Santos and Kidapawan; [II PIVS] at Compostela, Manay and San Francisco. Also felt at Digos. Felt [III] at Naha, Indonesia. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}2.26 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-2.61 $M_{r\theta}$1.09 $M_{\theta\phi}$0.91 $M_{\phi r}$2.19 Best double couple: NP1: ϕ_s11.00000°,δ68.00000°,λ115.00000°. NP2:ϕ_s139.00000°,δ33.00000°,λ43.00000°. Principal axes: T 3.6500,Plg58.0000°,Azm317.0000°; N -0.1400,Plg23.0000°,Azm181.0000° ; P -3.5100,Plg19.0000°,Azm82.0000° $M_0$3.60000×10^{17}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=236, per= 50. Moment Tensor Solution. s106,c209; s26,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}2.32±.05 $M_{\theta\theta}$0.68±.05; $M_{\phi\phi}$-2.99±.06; $M_{r\theta}$1.39±.04; $M_{\theta\phi}$0.21±.05; $M_{\phi r}$2.89±.04; Best double couple: NP1:ϕ_s152.00000°,δ26.00000°,λ46.00000°. NP2:ϕ_s19.00000°,δ72.00000°,λ109.00000°. Principal axes: T 4.1300,Plg59.0000°,Azm316.0000°; N 0.1700,Plg18.0000°,Azm193.0000° ; P -4.2900,Plg24.0000°,Azm95.0000° $M_0$4.20000×10^{17}

(228) Near east coast of eastern Honshu

ISC	**X**	**23 17 12 55.8–.78**	**35.85N–.04**	**140.94E–.07**	**29–4**	**3.6b**	**35**	**0-118**
IDC	X	23 17 12 51.9–1.0	35.75N	140.87E	0	3.8,3.7		**¶12070919**
ISCJB	X	23 17 12 54.6–.77	35.85N–.04	141.02E–.08	37–6	3.6b,3.7		
JMA	X	23 17 12 56.2–.10	35.85N	140.88E	30–1	3.3,3.7		
NEIC	X	23 17 12 58.1–2.3	35.74N	140.73E	45–18	4.2b,3.7		

ISC Event type fe.

IDC Error ellipse: s-maj=26.1km s-min=15.6km az=78.0.

ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=6.7km az=161.5.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=25.4km s-min=13.8km az=77.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**23 19 10 47.7–.79**	**37.47N–.04**	**141.62E–.07**	**42–5**	**4.4b,3.4s**	**72**	**1-146**
NIED	X	23 19 10 00	37.50N	141.60E	50	4.4W,3.4s		**¶13397920**
ISCJB	X	23 19 10 46.5–.85	37.49N–.04	141.66E–.08	51–5	4.4b,3.4s		
IDC	X	23 19 10 47.8–1.7	37.44N	141.72E	46–15	4.0,3.9		
JMA	X	23 19 10 47.3–.10	37.48N	141.62E	44–2	4.1,3.9		
NEIC	X	23 19 10 48.6–1.4	37.47N	141.62E	52–11	4.9b,4.3W		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ74.00000°,λ93.00000°. NP2:ϕ_s192.00000°,δ16.00000°,λ78.00000°. $M_0$3.78000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.5km az=26.2.

IDC Error ellipse: s-maj=15.9km s-min=10.4km az=101.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.8km az=88.0. Moment Tensor Solution. $M_0$3.80000×10^{15}

(249) Luzon

MAN	**X**	**24 09 48 46**	**12.46N**	**123.68E**	**2**	**3.7b,2.4L**		
								¶13746814

MAN Event type fe. INTENSITY II - MASBATE MASBATE.

(327) Lake Baykal region

BYKL	**X**	**24 10 20 31.2–.20**	**52.54N**	**106.50E**	**4–5**			
MOS	X	24 10 20 30.4–1.4	52.52N	106.77E	16	4.3b		**¶13581618**

BYKL Event type se. FELT I=III-IV MSK at Yelantsy, Tyrgan.

MOS Event type fe. Error ellipse: s-maj=18.6km s-min=12.8km az=69.6. Felt (II) at Elantcy. Moment Tensor Solution.

(228) Near east coast of eastern Honshu

ISC	**X**	**24 10 27 31.7–.77**	**36.68N–.03**	**141.46E–.06**	**35**	**3.6b**	**39**	**1-60**
ISCJB	X	24 10 27 30.1–.79	36.63N–.03	141.52E–.06	33	3.6b		**¶12070972**
NEIC	X	24 10 27 32.2	36.67N	141.33E	47	3.4		
JMA	X	24 10 27 32.1–.10	36.67N	141.33E	47–2	3.4		
IDC	X	24 10 27 38.9–2.9	35.96N	140.82E	46–27	3.6,3.5		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.8km az=167.6.

NEIC Event type se. After JMA.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=37.4km s-min=16.3km az=65.0.

(159) North Island

ISC	**X**	**24 17 47 47.1–.29**	**39.74S–.02**	**176.81E–.04**	**45–3**	**4.2b**	**119**	**0-153**
ISCJB	X	24 17 47 46.4–.30	39.74S–.02	176.84E–.04	55–3	4.2b		**¶11492775**
IDC	X	24 17 47 47.8–.83	39.40S	176.71E	35–5	4.2,4.0		
NEIC	X	24 17 47 47.9	39.67S	176.82E	36	4.4b,4.4L		
WEL	X	24 17 47 47.9–.15	39.67S	176.82E	36–2	4.4L,4.4L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=14.7.

IDC Error ellipse: s-maj=21.4km s-min=17.5km az=95.0.

NEIC Event type fe. Felt [IV] in the Napier area and at Akina, Flaxmere, Frimley, Greenmeadows, Hastings, Havelock North, Mahora, Parkvale, Raureka, Saint Leonards and Taradale. After WEL.

WEL Event type fe. Error ellipse: s-maj=2.0km s-min=0.9km az=90.0. Felt from Hawke''s Bay to Manawatu, maximum reported intensity MM 5.

(307) Sichuan

ISC	**X**	**24 17 50 34.8–.83**	**31.36N–.03**	**103.91E–.03**	**19–5**	**4.4b,3.1s**	**131**	**0-121**
IDC	X	24 17 50 31.5–.56	31.35N	103.93E	0	4.4,4.3		**¶12071010**
NEIC	X	24 17 50 33.3–2.3	31.38N	103.91E	10–15	4.6b,4.3		
BJI	X	24 17 50 33.7	31.36N	104.09E	14	4.9b,4.6b		
ISCJB	X	24 17 50 34.6–.23	31.31N–.03	103.93E–.04	33	4.4b,3.1s		

ISC Event type fe.

NEIC Event type fe. Felt at Chengdu.

ISCJB Event type fe.

(391) Albania

ISC	**X**	**24 19 31 20.6–.27**	**41.18N–.01**	**20.24E–.01**	**11–2**	**4.5b,3.9s**	**961**	**0-123**
BJI	X	24 19 31 17.0	41.28N	19.96E	10	4.9b,4.7s		**¶13397986**
PRU	X	24 19 31 17.5	40.62N	19.85E	0	4.8,4.7s		
IDC	X	24 19 31 17.7–.57	41.07N	20.29E	0	4.2b,4.2		
ATH	X	24 19 31 18.3	41.49N	20.19E	38–1	4.4L,4.2		
NEIC	X	24 19 31 18.7–1.0	41.10N	20.23E	6–6	4.8b,4.3L		
TEH	X	24 19 31 18.4	41.20N	20.23E	2	4.8b,4.3L		
ISCJB	X	24 19 31 18.6–.12	41.18N–.01	20.16E–.01	10	4.5b,3.9s		
TIR	X	24 19 31 19.2–2.2	41.22N	20.29E	12–137	4.4L,3.9s		
PDG	X	24 19 31 19.5–.89	41.16N	20.20E	8–2	4.3L,4.3		
SKO	X	24 19 31 19.9	41.15N	20.24E	12	4.4L,4.0		
THE	X	24 19 31 19.6	41.24N	20.31E	0–1	4.1L,4.0		
CSEM	X	24 19 31 20.1–.07	41.22N	20.23E	10	4.7b,4.5L		
MOS	X	24 19 31 20.3–1.2	41.03N	20.03E	33	4.5b,4.5L		
BEO	X	24 19 31 20.9–.86	41.13N	20.26E	0–3	4.2L,4.5L		
LDG	X	24 19 31 22.3–.10	41.19N	20.28E	10–0	4.1L,4.5L		

ISC Event type fe.

IDC Error ellipse: s-maj=12.1km s-min=9.8km az=61.0.

ATH Error ellipse: s-maj=1.5km s-min=1.0km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=184.0. Felt at Elbasan and Tirana. Also felt at Ohrid, Macedonia.

ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.1km az=136.4.

TIR Error ellipse: s-maj=4.0km s-min=17.0km az=-1.0.

PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.

THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=356.0.

CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=41.0.

MOS Error ellipse: s-maj=4.7km s-min=2.8km az=104.5.

LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=28.0.

(202) New Guinea

ISC	**X**	**25 00 13 35.3–1.2**	**5.97S–.05**	**144.91E–.06**	**90–11**	**4.5b**	**84**	**4-150**
IDC	X	25 00 13 32.6–.62	5.96S	145.00E	66–5	4.4,4.4		**¶12071040**
ISCJB	X	25 00 13 33.1–1.3	5.95S–.05	144.91E–.06	86–13	4.5b,4.4		
NEIC	X	25 00 13 35.4–1.1	5.98S	144.90E	93–10	4.4b,4.4		

ISC Event type fe.

IDC Error ellipse: s-maj=16.9km s-min=9.0km az=74.0.

ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=8.4km az=20.6.

NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=7.9km az=126.0. Felt at Goroka.

(228) Near east coast of eastern Honshu

ISC	**X**	**25 02 16 40.4–1.6**	**36.36N–.06**	**141.12E–.08**	**22–9**	**3.6b**	**27**	**1-56**
NIED	X	25 02 16 00	36.40N	141.00E	44	3.6W		**¶11749387**
IDC	X	25 02 16 36.3–1.4	36.26N	141.11E	0	3.7,3.5L		
ISCJB	X	25 02 16 39.8–1.5	36.34N–.06	141.14E–.08	31–7	3.6b,3.5L		
NEIC	X	25 02 16 41.6–.97	36.23N	141.07E	35	4.0b,3.5L		
JMA	X	25 02 16 42.1–.10	36.39N	140.97E	46–1	3.6,3.5L		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ71.00000°,λ109.00000°. NP2:ϕ_s160.00000°,δ26.00000°,λ47.00000°. $M_0$2.96000×10^{14}

IDC Error ellipse: s-maj=30.1km s-min=26.7km az=19.0.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=7.4km az=44.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=12.8km az=149.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**25 06 01 36.9–.77**	**35.95N–.02**	**141.63E–.02**	**17–4**	**5.1b,4.6s**	**735**	**1-152**
NIED	X	25 06 01 00	36.00N	141.60E	20	5.1W,4.6s		¶13398013
IDC	X	25 06 01 33.4–.48	35.92N	141.68E	0	4.9,4.8		
BJI	X	25 06 01 33.9	36.05N	141.51E	10	5.0b,5.0b		
ISCJB	X	25 06 01 36.6–.72	35.92N–.02	141.61E–.02	27–5	5.1b,4.6s		
NEIC	X	25 06 01 37.7–1.3	35.95N	141.62E	25–8	5.0W,4.9b		
JMA	X	25 06 01 37.8–.20	36.00N	141.63E	46–3	5.0,4.9b		
TEH	X	25 06 01 38.0	35.98N	141.60E	23	5.0,4.9b		
MOS	X	25 06 01 39.7–.75	36.43N	141.52E	33	5.2b,4.6s		
GCMT	X	25 06 01 41.4–.40	35.97N	141.80E	28–1	5.0W,4.6s		
SZGRF	X	25 06 01 48.0	36.62N	141.04E	33	5.2b,4.6s		
DJA	X	25 06 02 05	36.25N	142.17E	331	5.1b,4.6s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ69.00000°,λ78.00000°. NP2:ϕ_s223.00000°,δ24.00000°,λ118.00000°. $M_0$4.69000×10^{16}
IDC Error ellipse: s-maj=15.0km s-min=11.6km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=165.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=137.0. Felt at Kashima. Recorded [1 JMA] in Chiba, Fukushima, Ibaraki, Saitama and Tochigi. Moment Tensor Solution. $M_0$4.70000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=7.4km s-min=4.3km az=111.2.
GCMT Event type se. Data Used: II IC G IU. Moment Tensor Solution. s29,c34; s63,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}2.70±.20 $M_{\theta\theta}$-0.63±.12; $M_{\phi\phi}$-2.07±.13; $M_{r\theta}$0.72±.22; $M_{\theta\phi}$-1.36±.08; $M_{\phi r}$2.21±.19; Best double couple: NP1:ϕ_s220.00000°,δ26.00000°,λ106.00000°. NP2:ϕ_s22.00000°,δ65.00000°,λ82.00000°. Principal axes: T 3.5700,Plg69.0000° ,Azm277.0000°; N 0.1200,Plg7.0000°,Azm26.0000°; P -3.7000,Plg20.0000°,Azm118.0000° $M_0$3.60000×10^{16}
SZGRF Near east coast of eastern Honshu, Japan.

(706) Northern Sumatera

ISC	**X**	**25 13 16 47.7–.81**	**5.19N–.06**	**94.77E–.07**	**61–7**	**4.3b**	**60**	**1-141**
ISCJB	X	25 13 16 46.4–.83	5.18N–.06	94.78E–.07	67–7	4.3b		¶12071074
DJA	X	25 13 16 47	5.09N	94.82E	24	4.5		
IDC	X	25 13 16 47.1–.89	5.25N	94.76E	51–6	4.1,4.0		
NEIC	X	25 13 16 48.1–1.0	5.20N	94.76E	65–9	4.4b,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.7km s-min=6.9km az=148.1.
IDC Error ellipse: s-maj=32.7km s-min=13.0km az=54.0.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=5.8km az=47.0. Felt [II] at Banda Aceh.

(227) Eastern Honshu

ISC	**X**	**25 15 29 51.7–.45**	**38.74N–.02**	**140.77E–.03**	**8–3**	**4.4b,3.7s**	**182**	**0-146**
NIED	X	25 15 29 00	38.80N	140.80E	5	4.2W,3.7s		¶15148025
IDC	X	25 15 29 49.9–.54	38.68N	140.78E	0	4.4,4.3		
ISCJB	X	25 15 29 50.9–.55	38.76N–.02	140.78E–.03	13–3	4.4b,3.7s		
JMA	X	25 15 29 51.4	38.77N	140.78E	3–1	4.3,3.7s		
BJI	X	25 15 29 52.7	38.69N	140.71E	32	4.8b,4.6b		
NEIC	X	25 15 29 53.3–1.8	38.71N	140.69E	21–13	4.6b,4.2W		
MOS	X	25 15 29 53.3–1.1	38.66N	140.76E	33	4.8b,4.2W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ56.00000°,λ93.00000°. NP2:ϕ_s348.00000°,δ34.00000°,λ85.00000°. $M_0$2.30000×10^{15}
IDC Error ellipse: s-maj=16.1km s-min=12.2km az=127.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.1km az=40.3.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.4km az=128.0. Recorded [3 JMA] in Miyagi and [2 JMA] in Iwate and Yamagata. Moment Tensor Solution. $M_0$2.30000×10^{15}
MOS Error ellipse: s-maj=10.6km s-min=6.2km az=85.2.

(227) Eastern Honshu

ISC	**X**	**25 15 32 34.4–.48**	**38.76N–.03**	**140.81E–.03**	**3–5**	**3.6b**	**25**	**0-62**
IDC	X	25 15 32 32.9–1.2	38.73N	141.15E	0	3.8,3.7b		¶14114894
ISCJB	X	25 15 32 34.0–.52	38.77N–.03	140.82E–.04	11–4	3.6b,3.7b		
JMA	X	25 15 32 34.2	38.77N	140.79E	3–1	3.4,3.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=31.3km s-min=23.0km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.3km az=135.3.
JMA Event type fe.

(353) Southern Iran

ISC	**X**	**25 20 17 17.0–.13**	**26.58N–.02**	**55.02E–.01**	**10**	**5.1b,4.8s**	**1228**	**1-126**
IDC	X	25 20 17 14.9–.39	26.63N	55.18E	0	4.9,4.9		¶13398062
ISCJB	X	25 20 17 15.3–.13	26.62N–.02	55.02E–.02	10	5.1b,4.8s		
THR	X	25 20 17 16.9–.32	26.63N	54.89E	14–5	5.1L,4.8s		
OMAN	X	25 20 17 17.6–.54	26.62N	55.15E	0–0	5.1L,4.8s		
GCMT	X	25 20 17 18.2–.20	26.37N	54.91E	12	5.4W,4.8s		
CSEM	X	25 20 17 18.4–.09	26.62N	55.00E	20	5.4W,5.3b		
MOS	X	25 20 17 18.0–1.0	26.63N	54.98E	33	5.3b,4.8s		
TEH	X	25 20 17 20.2	26.53N	54.99E	29	5.3b,4.8s		
SGS	X	25 20 17 20.2	26.57N	54.94E	14	5.3b,4.8s		
BJI	X	25 20 17 20.0	26.70N	55.00E	57	5.3b,5.1s		
NEIC	X	25 20 17 20.2	26.53N	54.99E	29	5.2b,5.1L		
DJA	X	25 20 17 27	26.97N	55.01E	84	4.9b,5.1L		

ISC Event type de.
IDC Error ellipse: s-maj=10.0km s-min=8.3km az=127.0.
ISCJB Event type de. Error ellipse: s-maj=2.5km s-min=1.9km az=18.3.
THR Error ellipse: s-maj=5.7km s-min=3.2km az=-1.0.
OMAN Error ellipse: s-maj=13.3km s-min=6.9km az=66.0.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s51,c65; s86,c154; Moment tensor: Scale 10^{17}Nm; M_{rr}0.99±.02 $M_{\theta\theta}$-1.18±.02; $M_{\phi\phi}$0.19±.03; $M_{r\theta}$0.78±.07; $M_{\theta\phi}$0.06±.02; $M_{\phi r}$-0.74±.07; Best double couple: NP1:ϕ_s249.00000°,δ31.00000°,λ45.00000°. NP2:ϕ_s119.00000°,δ69.00000°,λ113.00000°. Principal axes: T 1.5900,Plg60.0000° ,Azm62.0000°; N -0.1100,Plg22.0000°,Azm290.0000°; P -1.4900,Plg20.0000° ,Azm191.0000° $M_0$1.50000×10^{17}
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=35.0.
MOS Error ellipse: s-maj=5.5km s-min=3.2km az=122.8.
NEIC Event type de. Nine people injured in the Bandar-e Kong area. Felt at Dubai, United Arab Emirates. After TEH.

(228) Near east coast of eastern Honshu

ISC	**X**	**25 21 35 35.3–1.0**	**38.62N–.05**	**142.0E–.10**	**44–9**	**3.3b**	**32**	**1-59**
IDC	X	25 21 35 26.8–1.9	38.80N	142.61E	0	3.6,3.5b		¶12071103
ISCJB	X	25 21 35 34.0–1.1	38.61N–.05	142.0E–.10	52–8	3.3b,3.5b		
NEIC	X	25 21 35 35.9	38.62N	141.90E	47	3.5,3.5b		
JMA	X	25 21 35 35.9–.10	38.62N	141.90E	47–1	3.5,3.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=37.5km s-min=24.4km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=16.1km s-min=5.9km az=25.9.
NEIC Event type se. After JMA.
JMA Event type fe.

(385) Strait of Gibraltar

ISC	**X**	**26 00 51 22.1–.23**	**36.54N–.01**	**2.67W–.02**	**10**		**672**	**0-12**
ISCJB	X	26 00 51 20.9–.25	36.63N–.02	2.69W–.02	10			¶11380340
NEIC	X	26 00 51 21.4–.51	36.43N	2.56W	10	3.4L,3.3		
LDG	X	26 00 51 22.8–.23	36.40N	2.62W	10–0	3.4L,3.3		
MDD	X	26 00 51 22.6–.45	36.47N	2.57W	7–3	3.6,3.3		
INMG	X	26 00 51 22.7–1.7	36.47N	2.58W	7–3	3.7,3.4L		
SFS	X	26 00 51 22.0	36.47N	2.57W	8	3.4L,3.4L		
CSEM	X	26 00 51 22.0–.15	36.53N	2.64W	8	4.0W,3.9L		
CRAAG	X	26 00 51 22.3	36.46N	2.59W		4.0W,3.9L		
IGIL	X	26 00 51 23.5	36.47N	2.57W	8	3.5L,3.9L		
CNRM	X	26 00 51 26.0	36.30N	2.26W	30	3.7,3.9L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=159.6.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.2km az=164.0.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=157.0.
MDD Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=136.0. EMS: III ALMERIA, EL EJIDO, LA MOJONERA. PRIMO.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=126.0.
SFS Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=148.0.
CNRM Event type ke.

(718) Hindu Kush region

ISC	**X**	**26 01 28 56.6–.08**	**36.48N–.01**	**70.68E–.01**	**211**	**5.3b**	**1503**	**2-150**
SZGRF	X	26 01 28 24.7	34.54N	71.89E	33	6.1b,4.5s		¶12071117
BGS	X	26 01 28 53.3–1.8	35.79N	70.39E	210–999	5.3b,4.5s		
ISCJB	X	26 01 28 54.9–.07	36.45N–.01	70.65E–.01	209	5.3b,4.5s		
MOS	X	26 01 28 54.1–.96	36.49N	70.70E	204	5.3b,4.5s		
DJA	X	26 01 28 55	36.53N	70.70E	188	5.5W,4.5s		
TEH	X	26 01 28 56.0	36.53N	70.67E	208	5.5W,4.5s		
IDC	X	26 01 28 56.4–.45	36.46N	70.74E	214–3	5.1,5.0		
NEIC	X	26 01 28 56.1–.11	36.49N	70.68E	210	5.7W,5.5b		
BJI	X	26 01 28 57.3	36.59N	71.13E	215	5.4b,5.2b		
GCMT	X	26 01 28 58.2–.10	36.44N	70.46E	200–0	5.7W,5.2b		
NNC	X	26 01 29 01.2–3.4	37.05N	70.63E	221–29	6.2,5.1b		

ISC Event type fe.
SZGRF Pakistan.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=17.9.
MOS Error ellipse: s-maj=4.5km s-min=2.7km az=125.1.
IDC Error ellipse: s-maj=7.5km s-min=5.9km az=179.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=197.0. Felt [III] at Charikar and Kabul. Also felt at Bagrami, Feyzabad, Jurm, Paghman and Kandahar. Felt at Islamabad and Sargodha, Pakistan. Felt at Khorugh, Tajikistan. Moment Tensor Solution. s59 Moment tensor: Scale 10^{17}Nm; M_{rr}2.76 $M_{\theta\theta}$-1.99 $M_{\phi\phi}$-0.77 $M_{r\theta}$3.48 $M_{\theta\phi}$0.88 $M_{\phi r}$-0.16 Best double couple: NP1:ϕ_s308.00000°,δ20.00000°,λ118.00000°. NP2:ϕ_s99.00000° ,δ72.00000°,λ80.00000°. Principal axes: T 4.6100,Plg61.0000°,Azm353.0000° ; N -0.5600,Plg9.0000°,Azm101.0000°; P -4.0500,Plg26.0000°,Azm196.0000° $M_0$4.40000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=233, per= 50. Moment Tensor Solution. s99,c198; s48,c55; Moment tensor: Scale 10^{17}Nm; M_{rr}2.82±.05 $M_{\theta\theta}$-2.94±.06; $M_{\phi\phi}$0.12±.06; $M_{r\theta}$4.09±.05; $M_{\theta\phi}$0.28±.06; $M_{\phi r}$-0.50±.05; Best double couple: NP1:ϕ_s273.00000°,δ18.00000°,λ87.00000°. NP2:ϕ_s97.00000°,δ72.00000°,λ91.00000°. Principal axes: T 4.9600,Plg63.0000°,Azm8.0000°; N 0.1500,Plg1.0000°,Azm276.0000° ; P -5.1100,Plg27.0000°,Azm186.0000° $M_0$5.00000×10^{17}
NNC Error ellipse: s-maj=32.1km s-min=19.1km az=20.0.

(221) Kuril Islands

ISC	**X**	**26 02 19 25.5–1.2**	**43.20N–.10**	**146.2E–.10**	**48–9**	**3.7b**	**34**	**0-84**
NIED	X	26 02 19 00	43.20N	146.10E	86	4.6W		¶11749445
ISCJB	X	26 02 19 24.7–1.2	43.20N–.10	146.2E–.10	56–7	3.7b		
JMA	X	26 02 19 25.8–.10	43.19N	146.09E	48–1	4.0		
MOS	X	26 02 19 27.2–.80	43.55N	146.08E	67	4.0b		
NEIC	X	26 02 19 29.5–1.9	43.57N	146.03E	72–19	4.0		
IDC	X	26 02 19 30.2–3.3	43.57N	145.98E	79–34	3.6,3.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s263.00000°,δ83.00000°,λ118.00000°. NP2:ϕ_s6.00000°,δ29.00000°,λ15.00000°. $M_0$8.46000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=17.2km s-min=11.1km az=150.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=26.8km s-min=23.3km az=96.4.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=19.6km az=210.0.
IDC Error ellipse: s-maj=44.4km s-min=29.4km az=177.0.

(92) Leeward Islands

ISC	**X**	**26 09 00 57.5–1.0**	**17.81N–.05**	**61.59W–.06**	**27–5**	**3.7b**	**63**	**0-72**
NEIC	X	26 09 00 55.4–3.7	17.89N	61.45W	21–21	4.2		¶11362749
ISCJB	X	26 09 00 57.2–.87	17.82N–.06	61.65W–.06	36–8	3.6b		
TRN	X	26 09 00 58.8	17.50N	61.89W	18	4.2,3.9		
RSPR	X	26 09 00 59.8	17.95N	61.66W	43–21	4.2,3.9		
IDC	X	26 09 01 00.3–3.4	17.54N	61.70W	64–39	6.3L,3.8		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=33.0km s-min=9.7km az=223.0. Felt at Codrington, Barbuda.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=4.5km az=41.7.
RSPR Event type ke.
IDC Error ellipse: s-maj=65.9km s-min=14.5km az=25.0.

(265) Minahassa Peninsula, Sulawesi

ISC	**X**	**26 09 08 36.4–.13**	**0.18S–.02**	**123.06E–.02**	**97**	**5.4b**	**514**	**1-164**
BJI	X	26 09 08 26.4	1.01S	123.66E	90	5.6b,5.5b		¶13398101
NEIC	X	26 09 08 34.7–.13	0.14S	123.02E	81	5.6W,5.5b		
ISCJB	X	26 09 08 34.7–.13	0.17S–.02	123.07E–.02	95	5.4b,5.5b		
IDC	X	26 09 08 35.5–.48	0.16S	122.98E	91–3	5.0,5.0		
TEH	X	26 09 08 36.0	0.26S	123.06E	92	5.0,5.0		
MOS	X	26 09 08 36.5–1.5	0.07S	122.95E	108	5.5b,4.5s		
GCMT	X	26 09 08 37.4–.10	0.18S	123.16E	74–0	5.6W,4.5s		
DJA	X	26 09 08 37.7–.20	0S–2.0	123E–1.0	72–3	6.3,6.2b		

ISC Event type fe.
NEIC Event type fe. Felt [IV] at Gorontalo and Luwuk; [II] at Poso. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}2.02 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.84 $M_{\theta\phi}$-1.18 $M_{\phi r}$-0.07 Best double couple: NP1:ϕ_s220.00000°,δ39.00000°,λ66.00000°. NP2:ϕ_s70.00000° ,δ55.00000°,λ108.00000°. Principal axes: T 2.2500,Plg73.0000°,Azm27.0000° ; N 0.1200,Plg14.0000°,Azm239.0000°; P -2.3700,Plg8.0000°,Azm147.0000° $M_0$2.30000×10^{17}
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=212, per= 50. Moment Tensor Solution. s87,c159; s26,c27; Moment tensor: Scale 10^{17}Nm; M_{rr}1.68±.04 $M_{\theta\theta}$-1.81±.04; $M_{\phi\phi}$0.13±.04; $M_{r\theta}$1.45±.03; $M_{\theta\phi}$-1.72±.03; $M_{\phi r}$-0.50±.03; Best double couple: NP1:ϕ_s207.00000°,δ44.00000°,λ36.00000°. NP2:ϕ_s90.00000°,δ66.00000°,λ128.00000°. Principal axes: T 2.7100,Plg53.0000°,Azm46.0000°; N 0.3300,Plg34.0000°,Azm252.0000° ; P -3.0400,Plg13.0000°,Azm153.0000° $M_0$2.90000×10^{17}

(35) Near coast of northern California

ISC	**X**	**26 09 26 49.0–.48**	**40.26N–.02**	**124.78W–.06**	**10**	**4.0b**	**115**	**1-101**
ISCJB	X	26 09 26 47.2–.47	40.28N–.02	124.70W–.06	10	4.0b		¶11362751
BJI	X	26 09 26 48.7	40.30N	124.60W	19	5.4b,5.2s		
IDC	X	26 09 26 50.1–2.5	40.48N	124.30W	0	4.1,4.0		
NEIC	X	26 09 26 50.8	40.32N	124.61W	20	4.9W,4.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.2km az=175.3.
IDC Error ellipse: s-maj=36.1km s-min=18.1km az=63.0.
NEIC Event type fe. Felt in the Ferndale area. After NCEDC. Moment Tensor Solution. $M_0$3.10000×10^{16}

(35) Near coast of northern California

ISC	**X**	**26 09 27 20.7–.31**	**40.33N–.02**	**124.80W–.03**	**10**	**4.6b,4.5s**	**468**	**1-146**
BJI	X	26 09 27 15.0	39.74N	124.01W	11	5.3b,5.1s		¶13398102
ISCJB	X	26 09 27 19.1–.30	40.37N–.02	124.68W–.03	10	4.6b,4.5s		
NEIC	X	26 09 27 22.3	40.34N	124.63W	22	4.9b,4.9W		
IDC	X	26 09 27 23.8–.74	40.45N	124.46W	25–3	4.8L,4.3		
GCMT	X	26 09 27 24.8–.40	40.29N	124.63W	22–1	5.0W,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.0km az=165.5.
NEIC Event type fe. Felt [V] at Loleta; [IV] at Ferndale, Fortuna, Hydesville, Petrolia, Rio Dell and Whitethorn; [III] at Carlotta, Eureka, Garberville and Scotia; [II] at Arcata, Bayside, McKinleyville and Myers Flat. Also felt at Alderpoint, Bridgeville, Fort Bragg, Kneeland, Littleriver, Mendocino, Piercy, Redcrest, Redway, Samoa, Trinidad and Ukiah. After NCEDC. Moment Tensor Solution. $M_0$3.30000×10^{16}
IDC Error ellipse: s-maj=14.9km s-min=10.5km az=22.0.
GCMT Event type se. Data Used: IU IC II CN G. Moment Tensor Solution. s23,c27; s74,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.72±.23 $M_{\theta\theta}$-1.50±.19; $M_{\phi\phi}$2.22±.18; $M_{r\theta}$-0.79±.29; $M_{\theta\phi}$-4.24±.15; $M_{\phi r}$0.60±.29; Best double couple: NP1:ϕ_s12.00000°,δ80.00000°,λ3.00000°. NP2:ϕ_s282.00000°,δ87.00000°,λ170.00000°. Principal axes: T 5.1400,Plg9.0000° ,Azm237.0000°; N -0.8300,Plg79.0000°,Azm88.0000°; P -4.3000,Plg6.0000°,Azm327.0000° $M_0$4.70000×10^{16}

(238) Ryukyu Islands

JMA	**X**	**26 09 43 34.1–.20**	**29.56N**	**130.14E**	**21–4**	**3.6**		
NIED	X	26 09 43 00	29.60N	130.10E	5	3.7W		¶11749464

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s297.00000°,δ64.00000°,λ-76.00000°. NP2:ϕ_s88.00000°,δ29.00000°,λ-116.00000°. $M_0$4.71000×10^{14}

(236) Shikoku

ISC	**X**	**26 11 12 20.5–.54**	**33.46N–.04**	**132.27E–.05**	**48–6**	**3.6b**	**21**	**0-57**
NIED	X	26 11 12 00	33.50N	132.30E	47	3.6W		¶11749468
IDC	X	26 11 12 15.3–1.7	33.21N	132.21E	0	3.7,3.5b		

ISCJB X 26 11 12 19.2–.56 33.47N–.04 132.26E–.06 57–5 3.6b,3.5b
JMA X 26 11 12 20.3 33.48N 132.28E 49 3.6,3.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ49.00000°,λ-69.00000°. NP2:ϕ_s325.00000°,δ46.00000°,λ-112.00000°. $M_0$3.14000×10^{14}
IDC Error ellipse: s-maj=45.4km s-min=30.8km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=6.8km az=174.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s334.00000°,δ38.00000°,λ-112.00000°. NP2:ϕ_s180.00000°,δ55.00000°,λ-74.00000°. Principal axes: T Plg9.0000°,Azm259.0000°; N Plg13.0000°,Azm351.0000°; P Plg74.0000°,Azm135.0000°

(224) Hokkaido region

ISC X 26 12 12 30.6–1.1 42.88N–.05 145.64E–.06 31–6 3.9b 36 0-65
NIED X 26 12 12 00 42.90N 145.70E 29 3.5W **¶14115335**
MOS X 26 12 12 28.5–1.2 42.67N 145.83E 46 4.4b
ISCJB X 26 12 12 29.6–1.1 42.84N–.06 145.69E–.07 42–8 3.9b
JMA X 26 12 12 30.3–.10 42.88N 145.67E 41–1 3.8
IDC X 26 12 12 32.0–3.6 42.69N 145.75E 58–27 3.7b,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ77.00000°,λ64.00000°. NP2: ϕ_s254.00000°,δ29.00000°,λ152.00000°. $M_0$2.31000×10^{14}
MOS Error ellipse: s-maj=21.6km s-min=13.8km az=89.4.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=6.7km az=143.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=28.8km s-min=24.8km az=18.0.

(41) Southern Nevada

ISC X 26 15 53 25.5–.23 36.16N–.02 114.54W–.02 10 84 1-7
ISCJB X 26 15 53 25.2–.24 36.14N–.02 114.56W–.02 10 **¶11362761**
NEIC X 26 15 53 25.6 36.27N 114.55W 10 3.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=148.9.
NEIC Event type fe. Felt at Boulder City, Henderson and Las Vegas. After REN.

(364) Greece

ISC X 26 17 20 31.7–.27 38.41N–.01 23.65E–.01 8–2 4.5b,3.7s 928 0-120
BJI X 26 17 20 26.0 38.47N 22.95E 10 4.7b,4.6s **¶11362763**
DDA X 26 17 20 27.9 38.40N 23.59E 5–0 3.4,4.6s
ISCJB X 26 17 20 30.3–.25 38.43N–.01 23.66E–.01 10–2 4.5b,3.7s
ATH X 26 17 20 30.1 38.42N 23.68E 22–0 4.4L,3.7s
PDG X 26 17 20 30.9–.67 38.43N 23.69E 11–1 4.2L,3.7s
NEIC X 26 17 20 31.2–.33 38.33N 23.70E 10 4.5b,4.2L
THE X 26 17 20 31.0 38.42N 23.68E 2–1 4.4L,4.2L
CSEM X 26 17 20 31.5–.08 38.39N 23.65E 10 4.6b,3.4s
HLW X 26 17 20 34.0 38.17N 23.34E 33–33 4.1L,4.0
MOS X 26 17 20 33.3–1.0 38.47N 23.63E 33 4.6b,4.0
IDC X 26 17 20 34.6–2.8 38.39N 23.72E 33–22 4.0,3.9
BEO X 26 17 20 41.6–1.3 39.18N 23.66E 0–2 3.8L,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=21.2.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.1km az=182.0. Felt in the Athens area.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=233.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=53.0.
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=117.4.
IDC Error ellipse: s-maj=13.5km s-min=10.8km az=152.0.

(533) United Kingdom

BGS X 26 18 06 25.5–.67 52.20N 2.63W 5–3 3.5L
IDC X 26 18 06 22.2–2.2 52.27N 2.85W 0 3.8b,3.7 **¶11362764**
CSEM X 26 18 06 24.2–.10 52.14N 2.59W 15 3.9L,3.7
LDG X 26 18 06 25.6–.10 52.16N 2.53W 10–0 3.9L,3.8
NEIC X 26 18 06 26.0 52.21N 2.51W 9 3.9L,3.6L
BGS Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=29.4km s-min=19.1km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.0km az=73.0.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=73.0.
NEIC Event type fe. Felt [IV] in the Herefordshire area. After BGS.

(277) Jawa

ISC X 26 21 12 11.1–.38 7.63S–.03 107.25E–.03 84–3 4.7b 290 1-156
MOS X 26 21 12 04.4–1.3 7.39S 107.32E 33 5.1b **¶11362769**
BJI X 26 21 12 05.6 7.60S 107.30E 73 5.3b,4.9s
NEIC X 26 21 12 06.3–.81 7.54S 107.23E 38–7 4.9b,4.9s
IDC X 26 21 12 07.7–2.0 7.37S 107.39E 48–18 4.5,4.5
DJA X 26 21 12 09.7–.30 8S–3.0 107E–2.0 48–5 5.5b,5.3
ISCJB X 26 21 12 09.9–.39 7.63S–.03 107.28E–.03 88–3 4.7b,5.3
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Pangandaran, [III] at Pelabuhanratu and [II] at Sukabumi.
ISCJB Event type fe.

(122) Near coast of northern Chile

ISC X 27 08 54 08.7–1.2 20.80S–.03 70.23W–.07 33–9 4.2b,3.4s 53 1-164
GUC X 27 08 54 08.7–.93 20.82S 70.27W 28–8 4.9L,3.4s **¶11370108**
IDC X 27 08 54 08.4–.57 20.88S 69.89W 38–4 4.8L,4.0
NEIC X 27 08 54 08.0 20.82S 70.27W 28 4.9L,4.4b
ISC Event type fe.
GUC Error ellipse: s-maj=2.1km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=28.8km s-min=17.0km az=73.0.
NEIC Event type fe. Felt [II] at Alto Hospicio and Iquique. After GUC.

(250) Mindoro

ISC X 27 15 37 48.8–.34 13.43N–.02 120.50E–.03 54–3 4.8b,4.1s 305 0-167
MAN X 27 15 37 42 13.31N 120.34E 1 5.3b,4.6s **¶11472804**
GCMT X 27 15 37 44.1–.30 13.41N 120.52E 14–1 4.8W,4.6s
MOS X 27 15 37 44.5–1.1 13.47N 120.57E 33 5.1b,4.6s
BJI X 27 15 37 44.4 13.46N 120.60E 30 5.0b,4.6b
ISCJB X 27 15 37 46.8–.38 13.41N–.02 120.48E–.03 51–4 4.8b,4.1s
IDC X 27 15 37 47.3–1.5 13.42N 120.55E 46–14 4.4,4.3
NEIC X 27 15 37 47.5–.73 13.46N 120.51E 48–7 5.1b,4.3
DJA X 27 15 37 59 13.43N 120.35E 159 4.5b,4.3
SZGRF X 27 15 38 00.3 13.67N 120.60E 132 5.1b,4.3
ISC Event type fe.
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s22,c27; s58,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.65±.14 $M_{\theta\theta}$0.48±.08; $M_{\phi\phi}$1.17±.10; $M_{r\theta}$-0.09±.22; $M_{\theta\phi}$0.92±.06; $M_{\phi r}$-0.98±.23; Best double couple: NP1:ϕ_s229.00000°,δ34.00000°,λ-65.00000°. NP2:ϕ_s20.00000°,δ60.00000°,λ-106.00000°. Principal axes: T 2.0100,Plg14.0000°,Azm122.0000°; N -0.0400,Plg13.0000°,Azm28.0000°; P -1.9700,Plg71.0000°,Azm255.0000° $M_0$2.00000×10^{16}
MOS Error ellipse: s-maj=15.2km s-min=5.7km az=125.6.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=163.5.
IDC Error ellipse: s-maj=20.6km s-min=9.8km az=62.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.5km az=62.0.
SZGRF Mindoro, Philippine Islands.

(227) Eastern Honshu

ISC X 27 17 41 28.5–.55 39.08N–.03 140.98E–.04 7–7 3.5b 17 0-63
ISCJB X 27 17 41 27.9–.56 39.09N–.04 140.98E–.05 12–5 3.5b **¶12071257**
IDC X 27 17 41 28.3–1.9 38.77N 141.95E 0 3.4,3.3b
JMA X 27 17 41 28.4 39.09N 140.98E 7 3.0,3.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.6km az=137.7.
IDC Error ellipse: s-maj=55.9km s-min=31.2km az=115.0.
JMA Event type fe.

(244) Taiwan

ISC X 27 19 00 37.9–.45 24.62N–.03 121.86E–.02 75–4 104 0-5
ISCJB X 27 19 00 37.4–.43 24.62N–.03 121.86E–.02 76–4 **¶13398281**
TAP X 27 19 00 37.7 24.60N 121.83E 72–0 4.0L
NEIC X 27 19 00 37.6 24.61N 121.83E 77 4.6
JMA X 27 19 00 38.1–.30 24.81N 121.95E 71 3.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.9km az=157.9.
TAP A.
NEIC Event type fe. Recorded [2 TAP] in I-lan and [1 TAP] in T'ao-yuan. After TAP.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.

(123) Northern Chile

ISC X 27 19 08 17.6–.18 27.33S–.02 69.27W–.05 115 4.6b 291 1-176
ISCJB X 27 19 08 15.9–.17 27.29S–.02 69.26W–.04 113 4.6b **¶11370123**
GUC X 27 19 08 15.6–1.0 27.22S 69.28W 101–21 5.5L
IDC X 27 19 08 17.4–.33 27.27S 69.41W 116–2 4.4,4.4
NEIC X 27 19 08 17.0–.17 27.24S 69.32W 113 4.9b,4.4
GCMT X 27 19 08 22.7–.30 27.18S 69.49W 138–2 5.1W,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.4km az=2.9.
GUC Error ellipse: s-maj=4.9km s-min=16.9km az=-1.0.
IDC Error ellipse: s-maj=16.6km s-min=8.5km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=4.6km az=67.0. Felt [III] at Copiapo, Tierra Amarilla and Vallenar; [II] at Alto del Carmen, Caldera, Chanaral, Diego de Almagro, El Salvador, Freirina, Huasco and Taltal.
GCMT Event type se. Data Used: G IU CN IC II. Moment Tensor Solution. s28,c36; s78,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}3.46±.16 $M_{\theta\theta}$1.68±.17; $M_{\phi\phi}$-5.14±.18; $M_{r\theta}$-1.62±.11; $M_{\theta\phi}$3.33±.18; $M_{\phi r}$-1.08±.17; Best double couple: NP1:ϕ_s304.00000°,δ56.00000°,λ37.00000°. NP2:ϕ_s191.00000°,δ60.00000°,λ140.00000°. Principal axes: T 5.1800,Plg48.0000°,Azm156.0000°; N 1.3400,Plg42.0000°,Azm340.0000°; P -6.5100,Plg2.0000°,Azm248.0000° $M_0$5.80000×10^{16}

(248) Philippine Islands region

ISC X 27 20 25 31.1–.38 19.18N–.02 121.20E–.03 44–4 4.7b,4.2s 311 1-171
MOS X 27 20 25 27.3–1.0 19.05N 121.25E 33 5.1b,4.2s **¶13398284**
NEIC X 27 20 25 28.2–1.8 19.08N 121.25E 27–12 5.0b,4.2s
TEH X 27 20 25 28.0 19.08N 121.23E 22 5.0b,4.2s
ISCJB X 27 20 25 29.6–.44 19.19N–.02 121.22E–.04 46–4 4.7b,4.2s
IDC X 27 20 25 29.2–2.6 19.09N 121.25E 33–19 4.5,4.5L
BJI X 27 20 25 29.2 19.44N 121.00E 14 4.9b,4.5b
MAN X 27 20 25 30 18.97N 121.20E 1 5.6b,5.0s
DJA X 27 20 25 31 19.21N 120.76E 10 4.9b,5.0s
GCMT X 27 20 25 32.9–.20 19.28N 120.93E 38–0 5.0W,5.0s
ISC Event type fe.
MOS Error ellipse: s-maj=11.1km s-min=5.8km az=114.1.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=5.7km az=109.0. Felt [II PIVS] at Pasuquin and Callao, Luzon.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.6km az=174.5.
IDC Error ellipse: s-maj=13.7km s-min=11.4km az=86.0.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s56,c74; s62,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}4.13±.17 $M_{\theta\theta}$-0.71±.11; $M_{\phi\phi}$-3.42±.12; $M_{r\theta}$-0.37±.09; $M_{\theta\phi}$-1.78±.07; $M_{\phi r}$-1.59±.11; Best double couple: NP1:ϕ_s31.00000°,δ35.00000°,λ98.00000°. NP2:ϕ_s201.00000°,δ56.00000°,λ84.00000°. Principal axes: T 4.4500,Plg79.0000°,Azm90.0000°; N 0.1400,Plg5.0000°,Azm205.0000°; P -4.5900,Plg10.0000°,Azm296.0000° $M_0$4.50000×10^{16}

(227) Eastern Honshu

ISC X 27 22 53 13.3–.46 39.10N–.03 140.86E–.04 13–4 3.3b 27 0-59
NIED X 27 22 53 00 39.10N 140.90E 5 3.6W **¶14115813**
IDC X 27 22 53 09.3–2.9 39.36N 141.33E 0 3.5,3.4b
ISCJB X 27 22 53 12.9–.45 39.11N–.03 140.86E–.05 23–5 3.3b,3.4b
NEIC X 27 22 53 13.5 39.11N 140.86E 11 3.7,3.4b
JMA X 27 22 53 13.5 39.11N 140.86E 11–1 3.7,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ65.00000°,λ138.00000°. NP2:ϕ_s135.00000°,δ52.00000°,λ32.00000°. $M_0$2.99000×10^{14}
IDC Error ellipse: s-maj=76.6km s-min=28.5km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.5km az=21.8.
NEIC Event type se. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s224.00000°,δ54.00000°,λ152.00000°. NP2:ϕ_s331.00000°,δ67.00000°,λ39.00000°. Principal axes: T Plg43.0000°,Azm193.0000°; N Plg46.0000°,Azm357.0000°; P Plg8.0000°,Azm95.0000°

(460) Wyoming

ISC X 27 23 04 31.9–.31 43.50N–.02 105.34W–.03 0 3.7b 88 1-62
IDC X 27 23 04 30.0–2.6 43.30N 105.23W 0 4.0,3.8 **¶12071289**
ISCJB X 27 23 04 30.2–.33 43.49N–.02 105.36W–.03 0 3.7b,3.8
NEIC X 27 23 04 31.5–.38 43.54N 105.25W 0 3.0L,3.8
ISC Event type fm.
IDC Error ellipse: s-maj=59.3km s-min=8.7km az=155.0.
ISCJB Event type fm. Error ellipse: s-maj=3.5km s-min=2.9km az=21.8.
NEIC Event type fm. Error ellipse: s-maj=5.4km s-min=4.7km az=144.0. 85 km [50 miles] E of Midwest. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

ISC X 27 23 59 31.9–.40 35.67N–.03 140.24E–.05 68–3 4.1b 61 0-118
NIED X 27 23 59 00 35.80N 140.20E 53 4.0W **¶12071296**
ISCJB X 27 23 59 30.9–.41 35.67N–.04 140.25E–.05 76–3 4.1b
NEIC X 27 23 59 31.9 35.73N 140.22E 65 4.5b,4.0W
IDC X 27 23 59 31.6–2.6 35.60N 140.27E 62–22 4.5L,3.9
JMA X 27 23 59 31.8–.20 35.73N 140.22E 65–2 3.6,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s324.00000°,δ53.00000°,λ74.00000°. NP2:ϕ_s169.00000°,δ40.00000°,λ110.00000°. $M_0$1.33000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.7km az=155.1.
NEIC Event type se. After JMA. Moment Tensor Solution. $M_0$1.30000×10^{15}
IDC Error ellipse: s-maj=27.9km s-min=14.5km az=75.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(255) Cebu

MAN X 28 05 14 38 10.34N 123.79E 9 4.7b,3.6L
¶13748125
MAN Event type fe. INTENSITY III - CEBU CITY; MINGLANILLA CEBU; TALISAY CITY; INTENSITY II - MANDAUE CITY.

(159) North Island

WEL X 28 07 45 40.8–.10 38.53S 177.86E 21–1 3.5L
¶11492907
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.

(135) Near coast of central Chile

ISC X 28 15 23 48.6–.90 32.50S–.03 71.96W–.05 18–5 4.5b 71 0-176
IDC X 28 15 23 45.7–.55 32.49S 71.86W 0 4.7,4.6L **¶11374823**
BJI X 28 15 23 47.2 33.39S 72.62W 28 4.9,4.8b
GUC X 28 15 23 49.2–.78 32.51S 71.90W 12–5 4.5L,4.8b
NEIC X 28 15 23 51.1–1.1 32.48S 71.88W 36–8 4.7b,4.5L
ISC Event type fe.
IDC Error ellipse: s-maj=26.9km s-min=16.5km az=83.0.
GUC Error ellipse: s-maj=1.8km s-min=6.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=7.6km az=84.0. Felt [III] at Valparaiso and Vina del Mar; [II] at La Ligua and San Antonio.

(460) Wyoming

ISC X 28 15 58 37.1–.51 43.71N–.05 105.20W–.06 0 33 1-61
ISCJB X 28 15 58 35.6–.53 43.73N–.05 105.20W–.06 0 **¶12071345**
IDC X 28 15 58 37.3–.92 43.96N 105.75W 0 4.6b,4.0
NEIC X 28 15 58 37.0–.40 43.70N 105.21W 0 3.2L,4.0
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=7.2km s-min=6.4km az=154.8.
IDC Error ellipse: s-maj=23.1km s-min=8.1km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=5.9km s-min=5.0km az=154.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(228) Near east coast of eastern Honshu

ISC X 28 16 52 00.6–.53 35.79N–.04 140.30E–.07 59–5 3.5b 42 0-59
ISCJB X 28 16 51 59.6–.56 35.80N–.04 140.31E–.07 68–5 3.5b **¶12071350**
NEIC X 28 16 52 01.0 35.84N 140.20E 63 4.0b
IDC X 28 16 52 00.3–2.0 35.80N 140.28E 54–18 3.4,3.3L
JMA X 28 16 52 00.9–.10 35.84N 140.20E 63–1 3.6,3.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.8km az=161.4.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=27.2km s-min=10.9km az=80.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s288.00000°,δ40.00000°,λ72.00000°. NP2: ϕ_s131.00000°,δ52.00000°,λ104.00000°. Principal axes: T Plg77.0000°,Azm93.0000°; N Plg11.0000°,Azm302.0000°; P Plg6.0000°,Azm211.0000°

(710) Pakistan

ISC X 28 23 09 58.2–.08 30.59N–.01 67.38E–.01 19 6.5s,6.1b 1855 4-175

BGS X 28 23 09 18.9–1.6 26.54N 71.32E 10–0 6.6s,5.9b ¶13398457
SZGRF X 28 23 09 30.6 28.36N 69.80E 33 6.5s,6.3b
NNC X 28 23 09 43.2–7.1 30.18N 66.31E 0 6.3b,6.3b
IDC X 28 23 09 54.8–.32 30.56N 67.41E 0 6.4s,6.4
BJI X 28 23 09 55.5 30.79N 67.49E 5 6.9s,6.9b
ISCJB X 28 23 09 56.1–.08 30.60N–.01 67.37E–.01 18 6.5s,6.1b
NEIC X 28 23 09 57.6–.10 30.64N 67.35E 15 6.7,6.6s
MOS X 28 23 09 58.3–.89 30.58N 67.37E 33 6.5s,6.3b
TEH X 28 23 09 58.0 30.65N 67.32E 15 6.5s,6.3b
DJA X 28 23 10 00 30.53N 67.44E 24 6.8W,6.3b
GCMT X 28 23 10 02.0–.10 30.40N 67.48E 17–0 6.4W,6.3b
ISC Event type de.
BGS Error ellipse: s-maj=444.5km s-min=382.0km az=-1.0.
SZGRF Pakistan.
NNC Error ellipse: s-maj=111.4km s-min=61.0km az=101.0.
IDC Error ellipse: s-maj=9.9km s-min=7.7km az=28.0.
ISCJB Event type de. Error ellipse: s-maj=2.1km s-min=1.3km az=17.9.
NEIC Event type de. Error ellipse: s-maj=3.1km s-min=2.2km az=15.0. One hundred sixty-six people killed, 370 injured and several villages destroyed in Balochistan. Several villages destroyed by landslides in the Ziarat area. A total of 3,487 homes destroyed and an additional 4,125 homes damaged in the Harnai area, Pishin and Ziarat. Felt [VI] at Quetta. Felt strongly in Bolan, Kalat and Qila Saifullah; and at Loralai, Mach, Mastung, Muslimbagh, and Surab. Felt [III] at Kandahar, Afghanistan. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s305.00000°,δ60.00000° ,λ150.00000°. NP2:ϕ_s51.00000°,δ64.00000°,λ34.00000°. Principal axes: T Plg41.0000° ,Azm270.0000°; N Plg0.0000°,Azm0.0000°; P Plg3.0000°,Azm177.0000° Moment Tensor Solution. s86 Moment tensor: Scale 10^{18}Nm; M_{rr}0.80 $M_{\theta\theta}$-3.60 $M_{\phi\phi}$2.80 $M_{r\theta}$-0.41 $M_{\theta\phi}$-0.78 $M_{\phi r}$0.42 Best double couple: NP1:ϕ_s39.00000°,δ78.00000°,λ5.00000°. NP2:ϕ_s307.00000° ,δ85.00000°,λ168.00000°. Principal axes: T 2.9900,Plg12.0000°,Azm262.0000° ; N 0.7300,Plg77.0000°,Azm104.0000°; P -3.7200,Plg4.0000°,Azm353.0000° M_o3.40000×10^{18}
MOS Error ellipse: s-maj=6.1km s-min=2.9km az=131.4.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 103 sta. Surface waves: sta=111, comp=270, per= 50. Moment Tensor Solution. s120,c273; s99,c178; Moment tensor: Scale 10^{18}Nm; M_{rr}0.90±.03 $M_{\theta\theta}$-5.01±.03; $M_{\phi\phi}$4.11±.03; $M_{r\theta}$0.42±.08; $M_{\theta\phi}$-1.59±.03; $M_{\phi r}$1.38±.08; Best double couple: NP1:ϕ_s304.00000°,δ73.00000°,λ171.00000°. NP2:ϕ_s37.00000°,δ81.00000°,λ18.00000°. Principal axes: T 4.8100,Plg18.0000° ,Azm262.0000°; N 0.5400,Plg71.0000°,Azm62.0000°; P -5.3500,Plg6.0000°,Azm170.0000° M_o5.10000×10^{18}

(85) Cuba region

ISC X 28 23 48 54.8–.15 19.47N–.02 78.67W–.02 10 5.5s,4.7b 468 1-149
BJI X 28 23 48 53.1 19.50N 78.70W 10 5.5s,5.5b ¶11374851
ISCJB X 28 23 48 53.0–.15 19.51N–.02 78.67W–.02 10 5.5s,4.7b
IDC X 28 23 48 53.4–.45 19.47N 78.91W 0 4.9L,4.5
NEIC X 28 23 48 55.0–.20 19.48N 78.74W 10 4.9b,4.5
SSNC X 28 23 48 56.5–4.8 19.64N 78.98W 25–61 4.5L,4.5
JSN X 28 23 48 57.2–1.4 19.27N 78.50W 0–117 4.8,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.0km az=24.0.
IDC Error ellipse: s-maj=15.2km s-min=11.4km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.0km az=215.0. Felt at Montego Bay, Jamaica.
SSNC Error ellipse: s-maj=81.6km s-min=43.6km az=-1.0.
JSN Error ellipse: s-maj=81.3km s-min=111.6km az=-1.0.

(98) Trinidad

ISC X 29 02 52 30.9–.62 10.58N–.05 61.72W–.03 51–9 26 0-6
ISCJB X 29 02 52 29.7–.66 10.58N–.05 61.72W–.04 63–8 ¶13910240
FUNV X 29 02 52 30.1 10.53N 61.61W 27 3.4W
TRN X 29 02 52 32.0 10.64N 61.70W 38 3.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.8km az=152.4.
TRN Event type fe. Felt in Trinidad II.

(710) Pakistan

ISC X 29 11 32 41.9–.42 30.50N–.01 67.56E–.01 3–2 6.6s,6.0b 1668 4-176
BGS X 29 11 32 05.0–1.7 26.43N 71.73E 10–0 6.8s,5.9b ¶11378619
SZGRF X 29 11 32 39.3 29.84N 67.82E 33 6.5s,6.3b
IDC X 29 11 32 41.0–.31 30.66N 67.62E 0 6.4s,6.4
ISCJB X 29 11 32 41.2–.08 30.46N–.02 67.56E–.01 11 6.6s,6.0b
TEH X 29 11 32 43.0 30.54N 67.46E 10 6.6s,6.0b
NEIC X 29 11 32 43.1–.19 30.60N 67.46E 14 6.6s,6.4W
MOS X 29 11 32 44.4–1.9 30.61N 67.53E 33 6.5s,6.3b
BJI X 29 11 32 44.3 30.82N 67.93E 14 6.7s,6.5
DJA X 29 11 32 46 30.46N 67.68E 19 6.4W,6.5
GCMT X 29 11 32 48.6–.10 30.29N 67.57E 12 6.4W,6.5
ISC Event type de.
BGS Error ellipse: s-maj=446.7km s-min=403.7km az=-1.0.
SZGRF Pakistan.
IDC Error ellipse: s-maj=8.7km s-min=6.7km az=38.0.
ISCJB Event type de. Error ellipse: s-maj=2.3km s-min=1.3km az=16.6.
NEIC Event type de. Error ellipse: s-maj=5.7km s-min=4.2km az=196.0. Several buildings collapsed in the Ziarat district. Cracked plaster and building damage at Quetta. One injury from a wall collapse at Shehdadkot. Felt [V] at Quetta. Also felt at Chaman, Dadhar, Dadu, Jacobabad, Jafarabad, Kawas, Khairu, Larkana, Loralai, Nasirabad, Pishin, Qambar, Qila Abdullah, Shoran, Sibi and Zhob. Felt [IV] at Kandahar, Afghanistan. Also felt at Gurgaon and Jaipur, India. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s75.00000°,δ75.00000°,λ35.00000°. NP2: ϕ_s335.00000°,δ56.00000°,λ162.00000°. Principal axes: T Plg35.0000°,Azm300.0000° ; N Plg0.0000°,Azm0.0000°; P Plg12.0000°,Azm201.0000° Moment Tensor Solution. s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.53 $M_{\theta\theta}$-2.67 $M_{\phi\phi}$2.14 $M_{r\theta}$0.13 $M_{\theta\phi}$0.77 $M_{\phi r}$-0.09 Best double couple: NP1:ϕ_s324.00000°,δ90.00000°,λ-177.00000°. NP2:ϕ_s234.00000° ,δ87.00000°,λ0.00000°. Principal axes: T 2.2600,Plg2.0000°,Azm98.0000° ; N 0.5400,Plg86.0000°,Azm326.0000°; P -2.8000,Plg2.0000°,Azm188.0000° M_o2.60000×10^{18}
MOS Error ellipse: s-maj=4.6km s-min=2.8km az=121.8.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=264, per= 50. Moment Tensor Solution. s115,c256; s96,c175; Moment tensor: Scale 10^{18}Nm; M_{rr}1.00±.03 $M_{\theta\theta}$-5.31±.03; $M_{\phi\phi}$4.30±.03; $M_{r\theta}$2.21±.08; $M_{\theta\phi}$1.29±.03; $M_{\phi r}$0.50±.08; Best double couple: NP1:ϕ_s324.00000°,δ68.00000°,λ-178.00000°. NP2:ϕ_s233.00000°,δ88.00000°,λ-22.00000°. Principal axes: T 4.6600,Plg14.0000°,Azm280.0000°; N 1.4500,Plg68.0000°,Azm48.0000° ; P -6.1200,Plg17.0000°,Azm186.0000° M_o5.40000×10^{18}

(546) Austria

VIE X 29 11 39 02.9–.30 47.05N 11.37E 11–4 2.5L,1.6b
CSEM X 29 11 39 02.6–.23 47.01N 11.37E 10 2.5L,1.6b ¶12071454
BGR X 29 11 39 02.9–.57 46.93N 11.40E 10 2.1L,1.6b
ZUR X 29 11 39 03.3 47.06N 11.35E 8–2 2.0L,1.6b
VIE Event type fe. Error ellipse: s-maj=1.7km s-min=1.5km az=8.0. 9 km W of Gries am Brenner . felt 3-4 ems98 at Gschnitz / TYROL.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=2.6km az=174.0.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=4.4km az=3.0. felt.

(216) Mariana Islands

ISC X 29 12 37 01.9–1.0 13.08N–.08 144.7E–.10 54–9 4.1b 36 1-148
ISCJB X 29 12 37 00.8–.95 13.07N–.08 144.7E–.10 61–8 4.1b ¶12071471
IDC X 29 12 37 01.3–.79 13.15N 144.71E 49–7 4.1,3.9
NEIC X 29 12 37 01.9–1.2 13.09N 144.71E 56–10 4.3b,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.3km s-min=13.6km az=172.9.
IDC Error ellipse: s-maj=19.7km s-min=12.8km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=15.8km s-min=11.4km az=88.0. Felt at Barrigada, Tamuning and Yigo.

(250) Mindoro

MAN X 29 14 19 28 13.64N 120.15E 33 4.5b,3.3L ¶13748455
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.

(228) Near east coast of eastern Honshu

ISC X 29 15 48 40.9–.09 38.08N–.02 141.67E–.02 85 4.9b 1022 0-155
NIED X 29 15 48 00 38.00N 141.70E 92 5.1W ¶15148033
BJI X 29 15 48 38.3 38.07N 141.52E 79 5.3b,5.2b
ISCJB X 29 15 48 39.2–.09 38.08N–.02 141.69E–.02 83 4.9b,5.2b
MOS X 29 15 48 39.0–.85 38.21N 141.65E 79 5.3b,5.2b
IDC X 29 15 48 40.1–.51 38.04N 141.64E 82–3 4.6,4.6
SZGRF X 29 15 48 40.6 38.45N 142.28E 84 5.0b,4.6
JMA X 29 15 48 40.7–.10 38.05N 141.73E 86–1 5.1,4.6
NEIC X 29 15 48 40.4–.12 38.09N 141.64E 84 5.0b,5.0W
GCMT X 29 15 48 43.2–.20 38.15N 141.68E 94–2 5.1W,5.0W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ67.00000°,λ-123.00000°. NP2:ϕ_s65.00000°,δ39.00000°,λ-38.00000°. M_o4.42000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=156.8.
MOS Error ellipse: s-maj=6.3km s-min=4.2km az=103.3.
IDC Error ellipse: s-maj=10.8km s-min=9.6km az=128.0.
SZGRF Near east coast of eastern Honshu, Japan.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s349.00000°,δ16.00000°,λ-121.00000°. NP2:ϕ_s201.00000°,δ76.00000°,λ-82.00000°. Principal axes: T Plg31.0000°,Azm284.0000°; N Plg8.0000°,Azm19.0000°; P Plg58.0000° ,Azm122.0000°
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.3km az=156.0. Recorded [4 JMA] in Miyagi; [3 JMA] in Fukushima, Iwate and Yamagata; [2 JMA] in Akita, Aomori, Ibaraki and Tochigi; [1 JMA] in Chiba, Gumma, Niigata, Saitama and Tokyo. Moment Tensor Solution. M_o4.40000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c43; s93,c163; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.40±.19 $M_{\theta\theta}$-1.00±.17; $M_{\phi\phi}$3.40±.17; $M_{r\theta}$0.05±.11; $M_{\theta\phi}$3.11±.13; $M_{\phi r}$3.70±.10; Best double couple: NP1:ϕ_s65.00000°,δ37.00000°,λ-28.00000°. NP2:ϕ_s179.00000°,δ73.00000°,λ-123.00000°. Principal axes: T 6.3100,Plg21.0000° ,Azm293.0000°; N -1.5300,Plg32.0000°,Azm189.0000°; P -4.7800,Plg50.0000° ,Azm51.0000° M_o5.60000×10^{16}

(235) Kyushu

ISC X 29 22 59 25.4–.44 33.55N–.05 131.76E–.06 89–3 3.6b 34 0-57
NIED X 29 22 59 00 33.60N 131.80E 74 3.7W ¶11749668
ISCJB X 29 22 59 24.2–.44 33.54N–.06 131.77E–.06 95–3 3.6b
NEIC X 29 22 59 26.0 33.57N 131.78E 84 3.8b
JMA X 29 22 59 25.9 33.57N 131.78E 84–1 3.6
IDC X 29 22 59 26.7–3.1 33.58N 131.75E 104–40 3.5,3.4
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s353.00000°,δ77.00000°,λ71.00000°. NP2:ϕ_s230.00000°,δ23.00000°,λ146.00000°. M_o3.99000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=8.0km az=163.5.
NEIC Event type se. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s203.00000°,δ12.00000°,λ115.00000°. NP2:ϕ_s358.00000°,δ79.00000°,λ85.00000°. Principal axes: T Plg56.0000°,Azm261.0000°; N Plg5.0000°,Azm359.0000°; P Plg34.0000° ,Azm92.0000°
IDC Error ellipse: s-maj=46.0km s-min=16.0km az=50.0.

(115) Near coast of Peru

ISC X 29 23 00 10.8–2.0 13.7S–.10 76.7W–.20 66–16 3.6b 13 2-82
IDC X 29 23 00 08.1–13 12.29S 75.89W 0 4.2b,4.1 ¶12071567
ISCJB X 29 23 00 09.6–2.0 13.7S–.10 76.7W–.10 71–17 3.6b,4.1
NEIC X 29 23 00 09.0 13.71S 76.24W 33 4.1L,3.4b
ISC Event type fe.
IDC Error ellipse: s-maj=426.2km s-min=47.5km az=44.0.
ISCJB Event type fe. Error ellipse: s-maj=29.4km s-min=10.7km az=138.0.
NEIC Event type fe. Felt [III] at Pisco and [II] at Chincha Alta. After LIM.

(122) Near coast of northern Chile

ISC X 30 01 32 40.1–.67 24.06S–.02 70.35W–.04 25–4 5.2b,5.1s 758 0-176
ISCJB X 30 01 32 39.1–.64 24.07S–.02 70.42W–.04 31–4 5.2b,5.1s ¶11379079
GUC X 30 01 32 40.4–.76 24.03S 70.11W 18–6 5.7L,5.1s
MOS X 30 01 32 40.4–1.0 23.74S 70.34W 33 5.5b,5.1s
NEIC X 30 01 32 40.0 24.03S 70.11W 18 5.7L,5.3b
BJI X 30 01 32 42.1 24.00S 70.30W 27 5.7s,5.5
IDC X 30 01 32 42.2–2.1 24.01S 70.32W 43–19 4.9,4.9
GCMT X 30 01 32 47.0–.20 23.86S 70.89W 41–0 5.3W,4.9
DJA X 30 01 32 47 25.22S 69.49W 20 5.4b,4.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.5km az=169.1.
GUC Error ellipse: s-maj=3.5km s-min=6.2km az=-1.0.
MOS Error ellipse: s-maj=12.7km s-min=7.1km az=110.4.
NEIC Event type fe. Felt [IV] at Antofagasta and Sierra Gorda; [III] at Mejillones; [II] at Calama, El Salvador, Taltal and Tocopilla. After GUC. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s37.00000°,δ34.00000°,λ110.00000°. NP2:ϕ_s194.00000°,δ58.00000°,λ77.00000°. Principal axes: T 0.9500,Plg73.0000°,Azm68.0000°; N 0.3900,Plg11.0000°,Azm200.0000° ; P -1.3400,Plg12.0000°,Azm293.0000° M_o1.20000×10^{17}
IDC Error ellipse: s-maj=20.0km s-min=11.5km az=73.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 80, comp=131, per= 50. Moment Tensor Solution. s67,c108; s6,c6; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s10.00000°,δ30.00000° ,λ85.00000°. NP2:ϕ_s196.00000°,δ60.00000°,λ93.00000°. Principal axes: T 0.9500,Plg75.0000°,Azm115.0000°; N 0.2600,Plg3.0000°,Azm15.0000° ; P -1.2100,Plg15.0000°,Azm284.0000° M_o1.10000×10^{17}

(43) Southern California

ISC X 30 03 49 45.4–.45 33.08N–.02 115.84W–.03 2–4 35 0-5
ISCJB X 30 03 49 44.6–.48 33.10N–.02 115.82W–.04 3–4 ¶13398601
NEIC X 30 03 49 45.4 33.06N 115.90W 1 3.6L
ECX X 30 03 49 45.9–.79 33.06N 115.86W 2–0 3.8L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.6km az=176.1.
NEIC Event type fe. Felt in the Ocotillo Wells area. After PAS.
ECX Error ellipse: s-maj=1.7km s-min=2.9km az=-1.0.

(43) Southern California

ISC X 30 03 52 43.1–.44 33.07N–.02 115.91W–.04 10 28 0-3
ISCJB X 30 03 52 42.6–.46 33.09N–.03 115.90W–.04 10 ¶13398602
NEIC X 30 03 52 43.2 33.05N 115.90W 2 3.5L
ECX X 30 03 52 43.6–.56 33.08N 115.92W 4–0 3.8L,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.7km az=175.2.
NEIC Event type fe. Felt in the Ocotillo Wells area. After PAS.
ECX Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0.

(43) Southern California

ISC X 30 06 49 38.1–.43 33.07N–.02 115.90W–.03 4–4 42 0-5
ISCJB X 30 06 49 37.2–.44 33.10N–.02 115.87W–.03 5–4 ¶11379107
NEIC X 30 06 49 38.4 33.06N 115.91W 2 3.3L
ECX X 30 06 49 38.8–.68 33.07N 115.91W 3–0 3.3,3.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.4km az=8.3.
NEIC Event type fe. Felt in the Ocotillo Wells area. After PAS.
ECX Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

(236) Shikoku

ISC X 30 07 47 21.0–1.1 32.60N–.07 132.27E–.04 20–10 3.7b 26 1-84
NIED X 30 07 47 00 32.70N 132.20E 29 3.8W ¶11749683
IDC X 30 07 47 18.4–1.3 32.43N 132.48E 0 3.9,3.8s
NEIC X 30 07 47 21.9 32.66N 132.23E 37 3.6,3.8s
JMA X 30 07 47 21.8 32.66N 132.23E 37–1 3.6,3.8s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ69.00000°,λ-91.00000°. NP2:ϕ_s52.00000°,δ21.00000°,λ-86.00000°. M_o5.36000×10^{14}
IDC Error ellipse: s-maj=48.8km s-min=24.0km az=101.0.
NEIC Event type se. After JMA.
JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC X 30 11 35 16.5–.62 35.95N–.03 140.19E–.06 65–7 3.3b 26 0-56
ISCJB X 30 11 35 15.5–.63 35.95N–.03 140.19E–.06 71–6 3.3b ¶12071615
IDC X 30 11 35 16.0–6.8 35.72N 140.21E 62–72 3.3,2.9b
JMA X 30 11 35 16.7–.10 35.99N 140.16E 61–1 3.2,2.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.6km az=164.1.
IDC Error ellipse: s-maj=54.5km s-min=22.5km az=114.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s180.00000°,δ4.00000°,λ70.00000°. NP2: ϕ_s20.00000°,δ86.00000°,λ91.00000°. Principal axes: T Plg49.0000°,Azm292.0000° ; N Plg1.0000°,Azm200.0000°; P Plg41.0000°,Azm109.0000°

(45) California-Baja California border region

ISC	**X**	**30 14 43 51.3–.38**	**32.74N–.02**	**117.37W–.02**	**10**		**67**	**0-6**	
ISCJB	X	30 14 43 51.1–.38	32.75N–.02	117.37W–.02	10			**¶12071632**	
NEIC	X	30 14 43 51.6	32.76N	117.35W	11	3.0L			
ECX	X	30 14 43 53.0–.58	32.79N	117.28W	7–0	3.2L,3.1			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=137.4.
NEIC Event type fe. Felt in the San Diego area. After PAS.
ECX Error ellipse: s-maj=1.2km s-min=3.7km az=-1.0.

(115) Near coast of Peru

ISC	**X**	**30 15 47 40.2–.47**	**13.64S–.07**	**76.3W–.10**	**48**	**4.2b**	**36**	**2-148**
ISCJB	X	30 15 47 38.1–.48	13.64S–.07	76.3W–.10	46	4.2b		**¶12071636**
IDC	X	30 15 47 40.1–.53	13.54S	76.09W	46–4	4.1,4.0		
NEIC	X	30 15 47 41.4–1.8	13.50S	76.23W	59–17	4.4b,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.3km s-min=6.6km az=156.7.
IDC Error ellipse: s-maj=27.1km s-min=7.1km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=32.1km s-min=10.7km az=62.0. Felt [III] at Chincha Alta and Pisco; [II] at San Vicente de Canete.

(224) Hokkaido region

ISC	**X**	**30 19 18 37.1–.88**	**42.39N–.03**	**144.54E–.04**	**27–5**	**4.4b,3.6s**	**181**	**1-149**
NIED	X	30 19 18 00	42.40N	144.60E	14	4.3W,3.6s		**¶13398666**
IDC	X	30 19 18 33.2–.59	42.49N	144.53E	0	4.5,4.4b		
JMA	X	30 19 18 35.9	42.35N	144.63E	23–1	4.4,4.4b		
SKHL	X	30 19 18 35.1–.60	42.20N	144.60E	53–13	5.0b,3.7s		
NEIC	X	30 19 18 36.9–1.6	42.43N	144.51E	25–11	4.7b,4.3W		
MOS	X	30 19 18 36.4–.91	42.38N	144.50E	39	4.6b,4.3W		
BJI	X	30 19 18 36.7	42.33N	144.63E	46	5.0b,4.5b		
ISCJB	X	30 19 18 36.6–.57	42.37N–.04	144.52E–.04	38–4	4.4b,3.6s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ64.00000°,λ129.00000°. NP2:ϕ_s174.00000°,δ46.00000°,λ38.00000°. $M_0$3.33000×10^{15}
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] in southeastern Hokkaido. Moment Tensor Solution. $M_0$3.30000×10^{15}
ISCJB Event type fe.

(244) Taiwan

ISC	**X**	**30 22 25 26.1–.32**	**23.05N–.01**	**120.20E–.02**	**14–1**	**3.5b,2.8s**	**117**	**0-71**
BJI	X	30 22 25 19.5	22.86N	120.53E	6	4.0s,4.0		**¶11391028**
NEIC	X	30 22 25 23.3	23.03N	120.22E	21	4.4L,4.0		
TAP	X	30 22 25 24.9	23.07N	120.23E	16–0	4.0L,4.0		
IDC	X	30 22 25 24.7–.91	22.80N	120.00E	0	3.7,3.6		
ISCJB	X	30 22 25 25.7–.42	23.05N–.02	120.17E–.02	14–2	3.5b,2.8s		
JMA	X	30 22 25 26.2–.30	22.73N	120.35E	127	3.4,2.8s		

ISC Event type fe.
NEIC Event type fe. Recorded [4 TAP] in T'ai-nan and [1 TAP] in Chia-i. After TAP.
TAP B.
IDC Error ellipse: s-maj=28.5km s-min=18.4km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=163.3.
JMA Error ellipse: s-maj=5.6km s-min=4.1km az=-1.0.

(266) Northern Molucca Sea

ISC	**X**	**30 22 38 13.8–.28**	**1.47N–.02**	**126.98E–.02**	**109–2**	**5.0b**	**388**	**1-159**
BJI	X	30 22 38 06.7	0.94N	127.15E	96	5.0b,4.9b		**¶11379129**
MOS	X	30 22 38 10.6–.98	1.42N	126.85E	95	5.1b,4.9b		
NEIC	X	30 22 38 11.8–.75	1.43N	126.97E	93–7	5.1b,4.9b		
ISCJB	X	30 22 38 12.6–.30	1.50N–.02	126.98E–.02	113–2	5.0b,4.9b		
IDC	X	30 22 38 12.4–1.1	1.41N	126.94E	98–9	4.5,4.5		
DJA	X	30 22 38 15.2–.20	1N–2.0	127E–2.0	93–3	5.7b,5.4		

ISC Event type fe.
NEIC Event type fe. Felt [II] on Ternate, Indonesia.
ISCJB Event type fe.

(307) Sichuan

ISC	**X**	**31 02 06 11.0–.65**	**31.82N–.02**	**104.49E–.03**	**6–4**	**4.7b,3.5s**	**325**	**1-128**
ISCJB	X	31 02 06 08.3–.70	31.83N–.02	104.52E–.03	1–4	4.8b,3.5s		**¶13398695**
IDC	X	31 02 06 10.0–.49	31.82N	104.45E	0	4.7,4.6		
BJI	X	31 02 06 11.2	31.80N	104.56E	14	4.7b,4.7b		
NEIC	X	31 02 06 11.4–.24	31.78N	104.42E	10	4.8b,4.7b		
MOS	X	31 02 06 13.2–.84	31.84N	104.53E	33	4.9b,4.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.7km az=156.4.
IDC Error ellipse: s-maj=18.0km s-min=11.4km az=47.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=192.0. Felt at Chengdu.
MOS Error ellipse: s-maj=8.9km s-min=4.8km az=118.5.

(244) Taiwan

ISC	**X**	**31 08 38 16.7–.28**	**23.05N–.01**	**120.19E–.02**	**14–1**	**4.1b,3.4s**	**174**	**0-147**
NIED	X	31 08 38 00	23.00N	120.70E	38	4.3W,3.4s		**¶13398717**
ISCJB	X	31 08 38 16.0–.37	23.06N–.01	120.14E–.02	14–2	4.1b,3.4s		
TAP	X	31 08 38 15.7	23.07N	120.22E	15–0	4.6L,3.4s		
NEIC	X	31 08 38 15.5–1.7	22.97N	120.24E	9–11	4.8L,4.4b		
BJI	X	31 08 38 18.4	23.11N	119.88E	15	4.6L,4.4b		
IDC	X	31 08 38 20.2–4.6	22.92N	120.09E	46–46	3.9,3.8		
JMA	X	31 08 38 28.4–.60	22.99N	120.71E	92	3.9,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s360.00000°,δ73.00000°,λ-37.00000°. NP2:ϕ_s102.00000°,δ54.00000°,λ-159.00000°. $M_0$3.69000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.3km az=157.0.
TAP B.
NEIC Event type fe. Error ellipse: s-maj=12.7km s-min=8.2km az=63.0. Recorded [4 TAP] in T'ai-nan; [3 TAP] in Chia-i and Yun-lin; [2 TAP] in Nan-t'ou and P'eng-hu; [1 TAP] in Chang-hua; Kao-hsiung and T'ai-chung.
IDC Error ellipse: s-maj=24.1km s-min=13.3km az=65.0.
JMA Error ellipse: s-maj=8.9km s-min=6.1km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**X**	**31 14 06 07.0–.66**	**38.81N–.03**	**141.68E–.08**	**72–5**	**3.6b**	**38**	**0-59**
IDC	X	31 14 05 55.0–2.5	39.06N	142.45E	0	3.7,3.6b		**¶12071739**
ISCJB	X	31 14 06 05.9–.67	38.81N–.03	141.69E–.08	78–4	3.6b,3.6b		
NEIC	X	31 14 06 07.2	38.82N	141.59E	74	3.2,3.6b		
JMA	X	31 14 06 07.1	38.82N	141.59E	74–1	3.2,3.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=51.9km s-min=32.5km az=86.0.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=4.7km az=20.7.
NEIC Event type se. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s15.00000°,δ14.00000°,λ116.00000°. NP2:ϕ_s169.00000°,δ77.00000°,λ84.00000°. Principal axes: T Plg57.0000°,Azm71.0000°; N Plg6.0000°,Azm170.0000°; P Plg32.0000°,Azm264.0000°

(263) Talaud Islands

ISC	**X**	**31 17 56 16.3–.64**	**3.79N–.03**	**125.53E–.05**	**45–6**	**4.6b**	**128**	**3-123**
IDC	X	31 17 56 09.5–.50	3.84N	125.50E	0	4.6,4.5		**¶12071754**
ISCJB	X	31 17 56 14.5–.73	3.78N–.03	125.48E–.05	47–6	4.6b,4.5		
DJA	X	31 17 56 15	3.64N	125.36E	5	4.9,4.5		
NEIC	X	31 17 56 15.2–.98	3.82N	125.55E	37–9	4.7b,4.5		

ISC Event type fe.
IDC Error ellipse: s-maj=22.2km s-min=9.7km az=82.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.5km az=177.2.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.8km az=70.0. Felt [III] at Tahuna.

(103) Colombia

ISC	**X**	**31 20 07 46.2–.82**	**4.00N–.04**	**76.24W–.03**	**51–7**	**4.5b,4.0s**	**357**	**2-157**
ISCJB	X	31 20 07 43.4–1.1	4.01N–.04	76.24W–.04	43–9	4.5b,4.0s		**¶11380424**
NEIC	X	31 20 07 45.9–.87	3.99N	76.29W	54–7	4.6b,4.0s		
BJI	X	31 20 07 46.9	4.00N	76.20W	59	5.0s,5.0b		
IDC	X	31 20 07 47.5–1.8	3.92N	76.26W	68–16	4.1,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.2km az=32.6.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=5.6km az=215.0. Felt at Cali.
IDC Error ellipse: s-maj=14.0km s-min=11.5km az=80.0.

(710) Pakistan

ISC	**X**	**31 23 59 52.3–.95**	**30.46N–.02**	**67.51E–.02**	**8–6**	**5.0b,4.7s**	**572**	**4-145**
SZGRF	X	31 23 59 32.9	27.85N	68.48E	0	5.4b,4.7s		**¶13398803**
ISCJB	X	31 23 59 50.6–.14	30.45N–.02	67.54E–.02	10	5.0b,4.7s		
IDC	X	31 23 59 51.0–.49	30.48N	67.45E	0	4.8,4.7		
NEIC	X	31 23 59 52.9–.21	30.54N	67.44E	10	5.1b,4.7		
BJI	X	31 23 59 53.4	30.79N	67.76E	6	5.1s,5.0b		
MOS	X	31 23 59 54.7–1.2	30.60N	67.45E	33	5.3b,4.6s		
DJA	X	31 23 59 59	30.65N	67.57E	32	5.0b,4.6s		

ISC Event type fe.
SZGRF Pakistan.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=11.6.
IDC Error ellipse: s-maj=13.1km s-min=10.1km az=175.0.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=182.0. Felt in the Quetta area.
MOS Error ellipse: s-maj=5.7km s-min=3.8km az=112.9.

(228) Near east coast of eastern Honshu

ISC	**XI**	**01 00 57 07.6–.82**	**35.72N–.05**	**141.03E–.08**	**35–4**	**3.7b**	**35**	**0-125**
NIED	XI	01 00 57 00	35.80N	141.10E	11	4.0W		**¶11749805**
IDC	XI	01 00 57 01.7–.98	35.64N	141.28E	0	3.8,3.6		
ISCJB	XI	01 00 57 06.6–.77	35.73N–.05	141.04E–.09	45–5	3.7b,3.6		
JMA	XI	01 00 57 07.9–.10	35.74N	140.97E	35–1	3.4,3.6		
NEIC	XI	01 00 57 07.2–1.9	35.67N	141.17E	38–15	4.0b,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ89.00000°,λ81.00000°. NP2: ϕ_s265.00000°,δ9.00000°,λ173.00000°. $M_0$1.26000×10^{15}
IDC Error ellipse: s-maj=31.5km s-min=21.1km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=6.8km az=154.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=10.6km az=69.0.

(45) California-Baja California border region

ISC	**XI**	**01 05 12 19.1–.29**	**32.69N–.02**	**116.03W–.02**	**13–2**		**49**	**0-3**
ISCJB	XI	01 05 12 19.1–.32	32.69N–.02	116.01W–.02	11–2			**¶11380755**
NEIC	XI	01 05 12 19.9	32.65N	116.04W	8	2.8L		
ECX	XI	01 05 12 20.3–.71	32.68N	116.04W	4–1	2.9L,2.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=3.0km az=28.5.
NEIC Event type fe. Felt at Ocotillo. After PAS.
ECX Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**01 06 22 32.3–.42**	**34.33N–.03**	**140.48E–.04**	**57–3**	**3.9b**	**83**	**0-119**
NIED	XI	01 06 22 00	34.30N	140.40E	59	4.0W		**¶11749814**
MOS	XI	01 06 22 27.0–1.5	34.22N	140.68E	33	4.3b		
ISCJB	XI	01 06 22 31.3–.41	34.33N–.03	140.47E–.04	66–3	3.9b		
NEIC	XI	01 06 22 31.4–1.2	34.33N	140.65E	56–11	4.4b		
JMA	XI	01 06 22 32.2–.10	34.34N	140.43E	60–2	4.4		
IDC	XI	01 06 22 33.7–1.4	34.30N	140.37E	69–12	3.8,3.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s245.00000°,δ82.00000°,λ-170.00000°. NP2:ϕ_s154.00000°,δ80.00000°,λ-8.00000°. $M_0$1.21000×10^{15}
MOS Error ellipse: s-maj=16.8km s-min=8.8km az=106.9.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.4km az=34.2.
NEIC Event type fe. Error ellipse: s-maj=14.1km s-min=10.1km az=119.0. Recorded [2 JMA] on Miyake-jima and [1 JMA] on Kozu-shima and O-shima. Also recorded [1 JMA] in Chiba and Shizuoka.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=7.2km az=77.0.

(218) Near east coast of Kamchatka Peninsula

ISC	**XI**	**01 06 50 36.6–.16**	**52.01N–.02**	**158.75E–.03**	**84**	**4.5b**	**506**	**0-148**
MOS	XI	01 06 50 32.0–1.4	51.90N	158.76E	60	4.9b		**¶13398837**
BJI	XI	01 06 50 33.1	52.18N	158.71E	73	4.7s,4.7b		
ISCJB	XI	01 06 50 34.4–.16	51.96N–.02	158.84E–.03	82	4.5b,4.7b		
NEIC	XI	01 06 50 34.7–.67	51.94N	158.81E	69–5	4.7b,4.7b		
KRSC	XI	01 06 50 34.5–.10	52.04N	159.13E	55–55	4.8L,4.7b		
IDC	XI	01 06 50 36.5–.71	51.99N	158.85E	87–5	4.4,4.4		
BGS	XI	01 06 50 43.2–2.0	52.89N	155.58E	67–0	4.8b,4.4		

ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=7.8km s-min=4.1km az=87.2. Felt (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=145.8.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.4km az=172.0.
KRSC Event type se.
IDC Error ellipse: s-maj=9.7km s-min=8.8km az=2.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(224) Hokkaido region

JMA	**XI**	**01 07 05 57.4–.10**	**42.23N**	**139.20E**	**14–1**	**3.5**		**¶14117221**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(159) North Island

ISC	**XI**	**01 13 08 21.4–.37**	**38.76S–.02**	**177.29E–.04**	**61–4**	**4.4b**	**115**	**0-154**
IDC	XI	01 13 08 19.7–2.9	38.83S	177.37E	33–18	4.3,4.1b		**¶11521570**
ISCJB	XI	01 13 08 20.7–.39	38.75S–.02	177.30E–.04	67–3	4.5b,4.1b		
NEIC	XI	01 13 08 20.0–1.6	38.90S	177.30E	37–10	4.6b,4.1b		
WEL	XI	01 13 08 22.5–.12	38.70S	177.24E	52–1	4.6L,4.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=31.7km s-min=28.5km az=109.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.0km az=10.0.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=10.0km az=97.0.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.7km az=90.0. Felt between Bay Plenty, Hawke Bay, Gisborne, maximum reported intensity MM 4.

(92) Leeward Islands

ISC	**XI**	**01 18 14 27.8–.56**	**17.00N–.03**	**62.41W–.03**	**7–4**	**4.1b,3.7s**	**105**	**0-163**
TRN	XI	01 18 14 24.1	17.10N	62.34W	2	4.3,3.7s		**¶12071884**
IDC	XI	01 18 14 26.6–.68	16.89N	62.51W	0	4.2,4.1		
NEIC	XI	01 18 14 27.6–.39	16.93N	62.44W	10	4.3b,4.1		
ISCJB	XI	01 18 14 28.1–.52	17.03N–.03	62.43W–.03	20–4	4.1b,3.7s		

ISC Event type fe.
NEIC Event type fe. Felt at Gingerland and Newcastle, Nevis.
ISCJB Event type fe.

(115) Near coast of Peru

ISC	**XI**	**01 20 40 29.4–1.7**	**12.49S–.05**	**77.16W–.09**	**31–11**	**4.3s,4.1b**	**53**	**1-173**
ISCJB	XI	01 20 40 28.0–1.5	12.54S–.06	77.2W–.10	36–12	4.3s,4.1b		**¶11380782**
IDC	XI	01 20 40 29.8–.60	12.48S	77.08W	35–4	4.0,3.9		
NEIC	XI	01 20 40 29.6–.30	12.45S	77.07W	38	4.5b,3.9		
BJI	XI	01 20 40 30.2	12.55S	76.23W	55	5.1s,5.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=18.9km s-min=9.4km az=162.2.
IDC Error ellipse: s-maj=16.0km s-min=10.1km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=6.3km az=73.0. Felt [IV] at Lima, [III] at Canta and [II] at Chincha Alta and Ica.

(159) North Island

WEL	**XI**	**02 04 57 25.4–.12**	**37.77S**	**176.79E**	**5**	**3.6L**		**¶11521584**

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.9km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.

(92) Leeward Islands

ISC	**XI**	**02 05 16 20.2–.46**	**17.04N–.05**	**62.39W–.04**	**10–5**		**33**	**0-5**
TRN	XI	02 05 16 17.3	17.08N	62.37W	8	3.5		**¶11383184**
ISCJB	XI	02 05 16 19.6–.49	17.04N–.05	62.40W–.04	12–5	3.5		
NEIC	XI	02 05 16 20.1–1.5	17.09N	62.36W	9–13	3.9		
RSPR	XI	02 05 16 23.0	17.21N	62.39W	7–31	3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.8km az=38.8.
NEIC Event type fe. Error ellipse: s-maj=19.2km s-min=8.7km az=197.0. Felt at Fig Tree, Nevis.
RSPR Event type ke.

(216) Mariana Islands

ISC	**XI**	**02 05 33 57.3–.53**	**13.52N–.03**	**144.98E–.04**	**38–4**	**4.8b,4.1s**	**212**	**0-148**
BJI	XI	02 05 33 51.9	13.33N	145.60E	37	4.9b,4.7b		**¶11383185**
MOS	XI	02 05 33 53.9–1.1	13.55N	145.06E	26	5.0b,4.7b		
ISCJB	XI	02 05 33 56.1–.53	13.50N–.03	144.96E–.04	43–4	4.8b,4.1s		
IDC	XI	02 05 33 58.0–1.5	13.55N	144.98E	47–13	4.4,4.3		
NEIC	XI	02 05 33 57.0–.74	13.54N	144.96E	38–6	5.1b,4.3		
GCMT	XI	02 05 34 01.8–.30	13.39N	144.76E	43–2	5.0W,4.3		
DJA	XI	02 05 34 03	13.87N	145.11E	135	4.9b,4.3		

ISC Event type fe.
MOS Error ellipse: s-maj=12.0km s-min=7.5km az=94.6.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.5km az=9.2.
IDC Error ellipse: s-maj=16.3km s-min=9.9km az=100.0.

NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.8km az=108.0. Felt [IV] at Barrigada, Hagatna and Santa Rita. Also felt at Mangil and Yona.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s27,c32; s61,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}0.02±.21 $M_{\theta\theta}$2.98±.17; $M_{\phi\phi}$-3.00±.17; $M_{r\theta}$0.89±.20; $M_{\theta\phi}$-3.34±.15; $M_{\phi r}$-0.46±.24; Best double couple: NP1:ϕ_s68.00000°,δ81.00000°,λ172.00000°. NP2:ϕ_s160.00000°,δ82.00000°,λ9.00000°. Principal axes: T 4.6900,Plg12.0000° ,Azm24.0000°; N -0.1900,Plg78.0000°,Azm201.0000°; P -4.4900,Plg1.0000°,Azm294.0000° M_o4.60000×10^{16}

(447) Southern Quebec

OTT	**XI**	**02 07 26 27.2–.09**	**47.43N**	**71.44W**	**18**	**3.6**		
NEIC	XI	02 07 26 27.0	47.43N	71.44W	18	3.6		¶11383186

OTT Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 59km northwest from Beaupre, Qc, Felt Eastern Background Seismic Zone.
NEIC Event type fe. Felt lightly in the epicentral area. After OTT.

(92) Leeward Islands

ISC	**XI**	**02 08 05 22.8–.31**	**17.03N–.04**	**62.40W–.03**	**10**	**4.5b,4.0s**	**141**	**1-164**
TRN	XI	02 08 05 15.9	17.05N	62.36W	1	4.5b,4.0s		¶11383189
RSPR	XI	02 08 05 15.9	16.92N	61.95W	7–7	4.3,4.0s		
ISCJB	XI	02 08 05 20.9–.31	17.00N–.04	62.42W–.03	10	4.5b,4.0s		
IDC	XI	02 08 05 20.6–.50	17.04N	62.36W	0	4.3,4.2		
NEIC	XI	02 08 05 21.4–.69	17.14N	62.38W	10	4.8b,4.5		
BJI	XI	02 08 05 22.0	17.30N	62.40W	10	5.4b,4.4		

ISC Event type fe.
RSPR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=2.3.
IDC Error ellipse: s-maj=15.2km s-min=10.9km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=9.0km az=219.0. Felt on Saint Kitts and Nevis.

(274) Southern Sumatera

ISC	**XI**	**02 09 32 01.7–.58**	**6.01S–.04**	**103.70E–.04**	**43–5**	**4.8b,3.9s**	**187**	**1-150**
IDC	XI	02 09 31 59.9–.64	5.88S	103.76E	27–3	4.3,4.2		¶11383192
MOS	XI	02 09 31 59.3–1.1	5.73S	104.00E	33	5.0b,4.2		
ISCJB	XI	02 09 32 00.3–.65	6.03S–.04	103.67E–.04	48–5	4.8b,3.9s		
DJA	XI	02 09 32 00	6.02S	103.69E	12	4.5,3.9s		
NEIC	XI	02 09 32 01.5–.82	5.92S	103.74E	42–8	4.9b,3.9s		
BJI	XI	02 09 32 01.9	6.00S	103.70E	47	5.0b,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=24.0km s-min=12.2km az=57.0.
MOS Error ellipse: s-maj=17.8km s-min=6.6km az=115.8.
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=5.3km az=143.0.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=4.9km az=50.0. Felt [III] at Liwa.

(159) North Island

ISC	**XI**	**02 10 59 07.7–.42**	**37.76S–.03**	**176.77E–.03**	**15–3**	**3.9b**	**70**	**0-155**
IDC	XI	02 10 59 05.7–3.1	37.87S	177.00E	0	4.2,4.0b		¶11521588
ISCJB	XI	02 10 59 07.6–.38	37.75S–.03	176.77E–.03	19–3	3.9b,4.0b		
WEL	XI	02 10 59 08.0–.09	37.77S	176.80E	5	4.3L,4.0b		
NEIC	XI	02 10 59 08.0	37.77S	176.80E	5	4.3L,4.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=84.8km s-min=13.1km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=4.3km az=140.2.
WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.7km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 5.
NEIC Event type fe. Felt in the Bay of Plenty area. After WEL.

(159) North Island

WEL	**XI**	**02 11 03 07.6–.12**	**37.76S**	**176.80E**	**5**	**3.6L**	
							¶11521589

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.8km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.

(228) Near east coast of eastern Honshu

ISC	**XI**	**02 11 45 38.2–1.2**	**35.86N–.04**	**141.16E–.07**	**19–5**	**3.6b**	**19**	**0-56**
NIED	XI	02 11 45 00	35.80N	141.00E	23	3.6W		¶11749912
IDC	XI	02 11 45 35.4–2.1	35.87N	141.30E	0	3.6b,3.6		
ISCJB	XI	02 11 45 37.4–1.1	35.86N–.04	141.20E–.08	27–6	3.6b,3.6		
JMA	XI	02 11 45 39.5–.20	35.82N	141.04E	25–1	3.4,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ65.00000°,λ-131.00000°. NP2:ϕ_s283.00000°,δ47.00000°,λ-35.00000°. M_o2.82000×10^{14}
IDC Error ellipse: s-maj=47.2km s-min=26.1km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=6.3km az=175.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(163) Cook Strait

ISC	**XI**	**02 14 00 49.2–.36**	**41.13S–.03**	**174.58E–.05**	**53–6**		**51**	**0-7**
ISCJB	XI	02 14 00 48.0–.39	41.15S–.03	174.58E–.05	67–5			¶11521592
WEL	XI	02 14 00 50.1–.05	41.02S	174.57E	39–0	3.7L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.4km az=39.2.
WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.6km az=0.0. Felt in the Wellington region, maximum reported intensity MM 5.

(226) Near west coast of eastern Honshu

JMA	**XI**	**02 14 44 15.3**	**37.26N**	**136.69E**	**8–1**	**3.5**	
							¶14117810

JMA Event type fe.

(235) Kyushu

ISC	**XI**	**02 16 30 58.0–.72**	**32.12N–.03**	**129.35E–.04**	**6–6**	**3.5b**	**22**	**1-74**
NIED	XI	02 16 30 00	32.10N	129.30E	5	4.0W		¶11749922
ISCJB	XI	02 16 30 57.1–.77	32.12N–.03	129.32E–.04	5–6	3.5b		
IDC	XI	02 16 30 57.9–2.2	32.19N	129.25E	0	3.6,3.5		
JMA	XI	02 16 30 57.8	32.12N	129.34E	7–2	3.9,3.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ77.00000°,λ-152.00000°. NP2:ϕ_s137.00000°,δ63.00000°,λ-14.00000°. M_o1.19000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.8km az=43.8.
IDC Error ellipse: s-maj=47.2km s-min=31.1km az=80.0.
JMA Event type fe.

(330) Lake Issyk-Kul region

ISC	**XI**	**02 17 58 27.5–.50**	**42.72N–.03**	**76.50E–.04**	**8–4**	**3.6b**	**114**	**1-70**
ISCJB	XI	02 17 58 25.8–.63	42.75N–.03	76.56E–.04	10–4	3.6b		¶11711584
IDC	XI	02 17 58 25.0–1.2	42.70N	76.52E	0	3.6b,3.6		
MOS	XI	02 17 58 27.0–1.6	42.82N	76.50E	15	3.7b,3.6		
NNC	XI	02 17 58 27.4–.31	42.73N	76.48E	10–1	3.7b,3.6		
KNET	XI	02 17 58 28.4–.60	42.66N	76.38E	14–2	3.4L,3.6		
NEIC	XI	02 17 58 29.7–2.1	42.79N	76.43E	26–16	3.4L,3.6		
BJI	XI	02 17 58 31.3	42.75N	76.85E	10	3.1L,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=142.5.
IDC Error ellipse: s-maj=19.1km s-min=8.0km az=151.0.
MOS Event type fe. Error ellipse: s-maj=8.5km s-min=6.7km az=78.1. Felt (II) at Almaty. Moment Tensor Solution.
NNC Error ellipse: s-maj=3.3km s-min=0.6km az=162.0.
KNET Error ellipse: s-maj=4.5km s-min=1.9km az=71.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=7.9km az=147.0.

(90) Puerto Rico region

ISC	**XI**	**02 20 42 34.0–.78**	**19.41N–.02**	**66.37W–.02**	**5–5**	**5.2s,5.1b**	**542**	**1-174**
IDC	XI	02 20 42 32.9–.40	19.38N	66.30W	0	5.0,5.0s		¶11383224
LDG	XI	02 20 42 32.4–.65	19.58N	66.36W	10–0	5.3b,4.9s		
ISCJB	XI	02 20 42 33.1–1.1	19.47N–.02	66.36W–.02	8–7	5.2s,5.1b		
MOS	XI	02 20 42 36.4–1.1	19.41N	66.38W	33	5.3b,5.1s		
NEIC	XI	02 20 42 37.1	19.43N	66.38W	10	5.5,5.4W		
BJI	XI	02 20 42 37.1	19.40N	66.40W	10	5.6s,5.6b		
RSPR	XI	02 20 42 37.1	19.43N	66.38W	10–31	5.5,5.2		

ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=10.6km az=91.0.
LDG Event type ke. Error ellipse: s-maj=29.3km s-min=9.5km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=142.7.
MOS Error ellipse: s-maj=6.0km s-min=4.7km az=105.3.
NEIC Event type fe. Felt [V] at San Juan. Also felt at Caguas, Carolina, Guaynabo and Mayaguez. After RSPR. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s322.00000°,δ71.00000° ,λ90.00000°. NP2:ϕ_s142.00000°,δ19.00000°,λ90.00000°. Principal axes: T 1.3600,Plg64.0000°,Azm232.0000°; N 0.3300,Plg0.0000°,Azm141.0000° ; P -1.7000,Plg25.0000°,Azm51.0000° M_o1.60000×10^{17}
RSPR Event type ke.

(460) Wyoming

ISC	**XI**	**02 20 59 43.1–.29**	**43.75N–.02**	**105.30W–.03**	**0**		**77**	**0-11**
ISCJB	XI	02 20 59 42.3–.31	43.76N–.02	105.28W–.03	0			¶12072029
IDC	XI	02 20 59 42.9–1.6	43.84N	105.52W	0	3.8,3.5		
NEIC	XI	02 20 59 43.1–.42	43.80N	105.26W	0	3.2L,3.5		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=3.0km s-min=2.8km az=156.4.
IDC Error ellipse: s-maj=46.5km s-min=8.2km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=6.4km s-min=5.2km az=154.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(254) Panay

MAN	**XI**	**03 00 48 25**	**10.81N**	**122.91E**	**8**	**4.1s,2.9b**	
							¶13750130

MAN Event type fe. INTENSITY III - BACOLOD CITY.

(43) Southern California

NEIC	**XI**	**03 03 15 51.7**	**33.06N**	**116.04W**	**11**	**2.7L**	
							¶13399064

NEIC Event type fe. Felt at Ocotillo Wells. After PAS.

(161) Off west coast of South Island

WEL	**XI**	**03 04 31 25.5–.39**	**44.96S**	**166.94E**	**12**	**4.5L**	
							¶11521608

WEL Event type fe. Error ellipse: s-maj=4.1km s-min=2.1km az=90.0. Felt in the Fiordland region, maximum reported intensity MM 4.

(123) Northern Chile

ISC	**XI**	**03 04 46 33.2–.14**	**18.56S–.02**	**69.22W–.03**	**118**	**4.8b**	**543**	**1-171**
BJI	XI	03 04 46 31.3	18.59S	68.47W	105	5.1b		¶11391098
ISCJB	XI	03 04 46 31.4–.14	18.50S–.02	69.30W–.03	116	4.8b		
NEIC	XI	03 04 46 32.8–.17	18.38S	69.15W	114	4.8b		
IDC	XI	03 04 46 32.9–.42	18.50S	69.41W	116–3	4.5,4.5		
GUC	XI	03 04 46 32.7–.49	18.55S	69.44W	107–12	4.9L,4.5		
LDG	XI	03 04 46 34.8–.28	18.05S	69.11W	132–0	5.0b,3.1s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=166.3.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.0km az=54.0. Felt [II] at Arica.
IDC Error ellipse: s-maj=11.5km s-min=9.2km az=104.0.
GUC Error ellipse: s-maj=1.8km s-min=9.1km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=16.8km s-min=9.5km az=45.0.

(221) Kuril Islands

ISC	**XI**	**03 07 58 33.8–1.3**	**43.37N–.06**	**146.4E–.10**	**42–10**	**3.8b**	**54**	**0-83**
NIED	XI	03 07 58 00	43.30N	146.30E	41	3.8W		¶11749942
ISCJB	XI	03 07 58 32.7–1.1	43.35N–.06	146.4E–.10	51–8	3.8b		
MOS	XI	03 07 58 33.9–1.1	43.43N	146.29E	61	4.4b		
JMA	XI	03 07 58 33.9–.20	43.27N	146.27E	45–1	4.1		
IDC	XI	03 07 58 36.7–3.8	43.40N	146.24E	68–34	4.1L,3.6		
NEIC	XI	03 07 58 36.5–1.2	43.39N	146.26E	67–11	4.1,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ70.00000°,λ84.00000°. NP2:ϕ_s239.00000°,δ21.00000°,λ106.00000°. M_o5.69000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=14.8km s-min=9.2km az=25.7.
MOS Error ellipse: s-maj=19.1km s-min=15.3km az=97.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=26.1km s-min=19.2km az=118.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.5km az=108.0.

(460) Wyoming

ISC	**XI**	**03 13 14 13.2–.17**	**42.781N–.01**	**105.19W–.02**	**10**		**246**	**0-93**
ISCJB	XI	03 13 14 11.9–.18	42.81N–.01	105.16W–.02	10			¶11391119
IDC	XI	03 13 14 12.6–1.1	43.14N	105.41W	0	3.6,3.4		
NEIC	XI	03 13 14 12.4–.55	42.83N	105.18W	5	3.7L,3.5W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=173.7.
IDC Error ellipse: s-maj=17.4km s-min=9.1km az=161.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=5.9km az=52.0. Felt [III] at Douglas. Also felt at Casper, Jay Em, Lusk and Shawnee. Moment Tensor Solution. M_o2.30000×10^{14}

(251) Samar

ISC	**XI**	**03 14 14 02.3–.51**	**12.71N–.04**	**124.71E–.06**	**70–4**	**4.0b**	**50**	**0-149**
ISCJB	XI	03 14 14 01.1–.53	12.71N–.04	124.72E–.06	76–4	4.0b		¶12072131
NEIC	XI	03 14 14 01.8–.33	12.70N	124.88E	69	4.2b		
IDC	XI	03 14 14 02.1–.85	12.71N	124.84E	69–7	3.9,3.8		
MAN	XI	03 14 14 02	12.79N	124.63E	70	4.6b,3.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.6km az=164.3.
NEIC Event type fe. Error ellipse: s-maj=13.3km s-min=5.9km az=68.0. Felt [I PIVS] at Catarman.
IDC Error ellipse: s-maj=41.1km s-min=12.7km az=67.0.
MAN Event type fe. INTENSITY I - CATARMAN NORTHERN SAMAR.

(227) Eastern Honshu

ISC	**XI**	**03 19 06 35.7–.47**	**39.06N–.03**	**140.90E–.04**	**9–3**	**4.1b**	**75**	**0-146**
NIED	XI	03 19 06 00	39.00N	140.90E	5	3.9W		¶13399130
IDC	XI	03 19 06 34.0–.62	39.10N	140.86E	0	4.1,4.1		
ISCJB	XI	03 19 06 35.3–.46	39.07N–.03	140.92E–.05	19–4	4.1b,4.1		
JMA	XI	03 19 06 35.6	39.05N	140.88E	9–1	4.1,4.1		
NEIC	XI	03 19 06 39.9–1.2	39.06N	140.82E	40–11	4.7b,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ52.00000°,λ103.00000°. NP2:ϕ_s182.00000°,δ40.00000°,λ73.00000°. M_o8.66000×10^{14}
IDC Error ellipse: s-maj=17.9km s-min=12.3km az=124.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.8km az=6.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s186.00000°,δ41.00000°,λ81.00000°. NP2:ϕ_s18.00000°,δ49.00000°,λ98.00000°. Principal axes: T Plg83.0000°,Azm340.0000°; N Plg6.0000°,Azm192.0000°; P Plg4.0000° ,Azm102.0000°
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.8km az=182.0.

(706) Northern Sumatera

ISC	**XI**	**03 19 22 01.8–.12**	**1.15N–.02**	**97.28E–.02**	**32**	**5.7s,5.4b**	**778**	**2-176**
IDC	XI	03 19 21 57.1–.34	1.23N	97.32E	0	5.5s,5.5		¶11391128
NEIC	XI	03 19 21 58.5–.13	1.15N	97.25E	10	5.7s,5.7W		
ISCJB	XI	03 19 21 59.7–.12	1.16N–.02	97.29E–.02	30	5.7s,5.4b		
BJI	XI	03 19 21 59.1	1.01N	97.33E	35	6.1s,6.0b		
MOS	XI	03 19 22 00.6–.98	1.26N	97.35E	33	5.6b,5.5s		
TEH	XI	03 19 22 02.0	1.21N	97.31E	35	5.6b,5.5s		
GCMT	XI	03 19 22 03.3–.10	0.91N	96.97E	24–0	5.7W,5.5s		
DJA	XI	03 19 22 03.4–.90	1N–3.0	97E–3.0	39–7	6.0b,5.7		
SZGRF	XI	03 19 22 11.8	1.61N	95.66E	26	5.4s,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.3km s-min=9.7km az=41.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.5km az=216.0. Felt [IV] at Gunungsitoli. Moment Tensor Solution. s77 Moment tensor: Scale 10^{17}Nm; M_{rr}3.40 $M_{\theta\theta}$-1.69 $M_{\phi\phi}$-1.71 $M_{r\theta}$1.88 $M_{\theta\phi}$2.08 $M_{\phi r}$-2.06 Best double couple: NP1:ϕ_s313.00000°,δ26.00000°,λ87.00000°. NP2:ϕ_s137.00000°,δ64.00000°,λ92.00000°. Principal axes: T 4.3600,Plg71.0000° ,Azm50.0000°; N 0.3800,Plg1.0000°,Azm316.0000°; P -4.7300,Plg18.0000°,Azm225.0000° M_o4.60000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.0km az=32.8.
MOS Error ellipse: s-maj=7.6km s-min=4.0km az=118.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 78, comp=127, per= 50. Moment Tensor Solution. s86,c167; s35,c38; Moment tensor: Scale 10^{17}Nm; M_{rr}2.63±.06 $M_{\theta\theta}$-1.15±.05; $M_{\phi\phi}$-1.48±.05; $M_{r\theta}$3.41±.15; $M_{\theta\phi}$1.85±.04; $M_{\phi r}$-2.79±.14; Best double couple: NP1:ϕ_s328.00000°,δ17.00000°,λ107.00000°. NP2:ϕ_s130.00000°,δ73.00000°,λ85.00000°. Principal axes: T 5.0400,Plg61.0000°,Azm33.0000°; N 0.4900,Plg5.0000°,Azm132.0000° ; P -5.5200,Plg28.0000°,Azm224.0000° M_o5.30000×10^{17}
SZGRF Off west coast of northern Sumatera, Indonesia.

(706) Northern Sumatera

ISC	**XI**	**03 19 57 54.8–1.3**	**1.35N–.07**	**97.38E–.09**	**57–11**	**4.2b**	**53**	**2-143**
IDC	XI	03 19 57 45.5–1.1	1.04N	97.11E	0	4.1,4.0b		¶12072164
NEIC	XI	03 19 57 47.1–.54	1.03N	97.17E	10	4.6b,4.0b		
ISCJB	XI	03 19 57 53.4–1.2	1.35N–.06	97.36E–.09	64–11	4.2b,4.0b		
DJA	XI	03 19 57 54	1.53N	97.44E	27	4.2,4.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=35.5km s-min=17.4km az=60.0.
NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=8.1km az=49.0. Felt [III] at Gunungsitoli.
ISCJB Event type fe. Error ellipse: s-maj=16.4km s-min=6.9km az=148.4.

(219) Off east coast of Kamchatka Peninsula

ISC	**XI**	**03 21 40 07.5–.52**	**51.55N–.03**	**159.34E–.05**	**43–3**	**4.9b,4.5s**	**643**	**1-89**	
IDC	XI	03 21 40 01.6–.52	51.66N	159.10E	0	4.7,4.7			**¶13399144**
DJA	XI	03 21 40 02	52.51N	160.21E	10	5.0b,4.7			
MOS	XI	03 21 40 02.9–1.0	51.60N	159.13E	18	5.1b,4.6s			
KRSC	XI	03 21 40 03.3–.50	51.60N	159.72E	10–10	5.3L,4.6s			
BJI	XI	03 21 40 04.3	51.79N	159.21E	32	5.0b,4.8s			
ISCJB	XI	03 21 40 05.3–.58	51.51N–.03	159.37E–.05	41–4	4.9b,4.5s			
NEIC	XI	03 21 40 08.1–.84	51.60N	159.25E	46–7	5.0b,4.6s			
SZGRF	XI	03 21 40 25.7	53.12N	159.51E	36	5.0b,4.4s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=15.2km s-min=11.1km az=143.0.								
MOS	Event type fe. Error ellipse: s-maj=8.9km s-min=4.2km az=98.6. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.								
KRSC	Event type se.								
ISCJB	Event type fe. Error ellipse: s-maj=6.2km s-min=3.9km az=140.8.								
NEIC	Event type se. Error ellipse: s-maj=7.4km s-min=4.5km az=148.0.								
SZGRF	Near east coast of Kamchatka Peninsula, Russia.								
	(244) Taiwan								
ISC	**XI**	**04 01 07 16.0–.32**	**23.87N–.01**	**121.79E–.02**	**15–2**	**3.6b**	**138**	**0-45**	
IDC	XI	04 01 07 12.4–2.0	23.98N	122.00E	0	3.8,3.7			**¶11392411**
NEIC	XI	04 01 07 13.8–.90	23.86N	121.89E	10	4.2L,3.7			
ISCJB	XI	04 01 07 15.6–.38	23.85N–.01	121.82E–.02	12–2	3.6b,3.7			
TAP	XI	04 01 07 16.4	23.89N	121.72E	22–0	4.0L,3.7			
JMA	XI	04 01 07 16.6–.30	23.92N	121.71E	63	3.3,3.7			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=143.1km s-min=26.8km az=64.0.								
NEIC	Event type fe. Error ellipse: s-maj=13.3km s-min=7.4km az=99.0. Recorded [3 TAP] in Hua-lien, [2 TAP] in Nan-t'ou and [1 TAP] in I-lan and T'ai-chung.								
ISCJB	Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=37.5.								
TAP	B.								
JMA	Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.								
	(274) Southern Sumatera								
ISC	**XI**	**04 02 51 43.3–.74**	**3.84S–.07**	**101.98E–.08**	**81–5**	**4.4b**	**78**	**1-146**	
IDC	XI	04 02 51 41.2–.75	3.72S	102.02E	57–4	4.1,4.0			**¶12072203**
DJA	XI	04 02 51 41	3.77S	102.00E	7	4.8,4.0			
ISCJB	XI	04 02 51 42.4–.71	3.81S–.07	102.01E–.08	89–5	4.4b,4.0			
NEIC	XI	04 02 51 43.2–1.2	3.75S	102.03E	78–9	4.6b,4.0			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=31.1km s-min=11.6km az=51.0.								
ISCJB	Event type fe. Error ellipse: s-maj=17.6km s-min=4.8km az=139.1.								
NEIC	Event type fe. Error ellipse: s-maj=19.2km s-min=4.5km az=48.0. Felt [III] at Kapahiang and [II] at Bengkulu.								
	(109) Near coast of northern Peru								
ISC	**XI**	**04 03 20 41.4–.83**	**9.81S–.05**	**78.43W–.09**	**88–8**	**4.5b**	**338**	**3-171**	
NEIC	XI	04 03 20 37.0	9.69S	78.66W	52	4.8b			**¶11392418**
IDC	XI	04 03 20 38.3–.65	9.94S	78.69W	68–5	4.2,4.1			
ISCJB	XI	04 03 20 40.2–.90	9.78S–.05	78.45W–.09	96–8	4.5b,4.1			
BJI	XI	04 03 20 58.1	8.60S	78.30W	187	4.9b,4.1			
ISC	Event type fe.								
NEIC	Event type fe. Felt [II] at Casma and Chimbote. Also felt at Huamachuco, Santa and Trujillo. After LIM.								
IDC	Error ellipse: s-maj=16.7km s-min=6.8km az=69.0.								
ISCJB	Event type fe. Error ellipse: s-maj=16.0km s-min=5.8km az=156.3.								
	(362) Western Caucasus								
ISC	**XI**	**04 04 20 19.0–.23**	**44.42N–.02**	**43.84E–.03**	**10**	**3.9b,2.9s**	**233**	**1-48**	
ISCJB	XI	04 04 20 17.4–.23	44.47N–.02	43.86E–.03	10	3.9b,2.8s			**¶13399172**
MOS	XI	04 04 20 17.8–1.8	44.46N	43.83E	10	4.1b,2.8s			
IDC	XI	04 04 20 17.8–1.1	44.26N	43.76E	0	3.9L,3.9			
CSEM	XI	04 04 20 18.1–.12	44.43N	43.83E	2	4.1b,4.0b			
NEIC	XI	04 04 20 19.1–.45	44.38N	43.82E	10	4.2b,4.0b			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=158.9.								
MOS	Event type fe. Error ellipse: s-maj=6.6km s-min=3.9km az=102.0. Felt (III) at Zelenokumsk, Soldato-Aleksandrovskoye, Otkaznoye. Moment Tensor Solution.								
IDC	Error ellipse: s-maj=25.1km s-min=11.2km az=174.0.								
CSEM	Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=58.0.								
NEIC	Event type se. Error ellipse: s-maj=11.0km s-min=6.1km az=175.0.								
	(122) Near coast of northern Chile								
ISC	**XI**	**04 10 32 00.8–.34**	**27.83S–.02**	**71.05W–.06**	**28**	**4.4b,3.9s**	**75**	**1-175**	
ISCJB	XI	04 10 31 58.6–.36	27.82S–.02	71.21W–.06	26	4.4b,3.9s			**¶11392436**
BJI	XI	04 10 31 58.9	27.80S	71.00W	13	5.3b,3.9s			
GUC	XI	04 10 32 00.0–1.1	27.85S	71.12W	35–7	4.7L,3.9s			
NEIC	XI	04 10 32 00.0	27.85S	71.12W	35	4.7L,4.6b			
IDC	XI	04 10 32 01.1–.44	27.87S	70.93W	28–2	4.3L,4.3			
ISC	Event type fe.								
ISCJB	Error ellipse: s-maj=7.5km s-min=3.3km az=4.6.								
GUC	Error ellipse: s-maj=2.7km s-min=10.0km az=-1.0.								
NEIC	Event type fe. Felt [III] at Caldera, Copiapo, Freirina, Tierra Amarilla and Vallenar; [II] at Chanaral, Diego de Almagro, El Salvador and Huasco. After GUC.								
IDC	Error ellipse: s-maj=18.8km s-min=12.7km az=74.0.								
	(362) Western Caucasus								
MOS	**XI**	**04 17 41 19.9–2.4**	**44.92N**	**37.36E**	**16**	**3.4b**			
CSEM	XI	04 17 41 20.0–.26	44.93N	37.35E	2	3.4b			**¶13831845**
MOS	Event type fe. Error ellipse: s-maj=15.6km s-min=13.3km az=174.6. Felt (III) at Anapa. Moment Tensor Solution.								
CSEM	Event type ke. Error ellipse: s-maj=11.4km s-min=5.9km az=2.0.								
	(367) Turkey-Georgia-Armenia border region								
ISC	**XI**	**04 18 53 46.6–.31**	**40.09N–.02**	**44.33E–.02**	**10**		**174**	**0-3**	
NSSP	XI	04 18 53 43.6	40.10N	44.38E	5	3.2s			**¶12072280**
DDA	XI	04 18 53 44.9	40.17N	44.45E	5–1	3.1			
NEIC	XI	04 18 53 44.6–.67	40.08N	44.31E	5	3.3L,3.3L			
ISK	XI	04 18 53 44.0	39.96N	45.03E	44	3.4L,3.3L			
ISCJB	XI	04 18 53 45.4–.30	40.09N–.02	44.34E–.02	10	3.4L,3.3L			
CSEM	XI	04 18 53 45.8–.27	40.07N	44.31E	2	3.2L,3.3L			
ISC	Event type fe.								
NEIC	Event type fe. Error ellipse: s-maj=7.9km s-min=6.6km az=167.0. Felt at Yerevan.								
ISCJB	Event type fe. Error ellipse: s-maj=2.4km s-min=2.2km az=42.6.								
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=5.0km az=99.0.								
	(228) Near east coast of eastern Honshu								
ISC	**XI**	**05 04 10 32.4–.44**	**36.06N–.03**	**140.04E–.05**	**74–3**	**3.7b**	**50**	**0-84**	
ISCJB	XI	05 04 10 31.4–.44	36.06N–.03	140.05E–.05	80–3	3.7b			**¶13399279**
NEIC	XI	05 04 10 32.2–1.7	36.01N	140.03E	77–12	3.5			
IDC	XI	05 04 10 32.8–2.0	36.01N	140.04E	82–17	4.1s,4.1			
JMA	XI	05 04 10 32.9–.10	36.09N	140.02E	67–1	3.5,4.1			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=7.2km s-min=5.3km az=17.7.								
NEIC	Event type se. Error ellipse: s-maj=22.2km s-min=16.9km az=74.0.								
IDC	Error ellipse: s-maj=28.5km s-min=8.1km az=63.0.								
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s194.00000°,δ29.00000°,λ100.00000°. NP2: ϕ_s2.00000°,δ61.00000°,λ84.00000°. Principal axes: T Plg73.0000°,Azm258.0000° ; N Plg5.0000°,Azm5.0000°; P Plg16.0000°,Azm96.0000°								
	(244) Taiwan								
ISC	**XI**	**05 05 42 06.6–.46**	**24.42N–.01**	**121.86E–.03**	**7–3**		**77**	**0-2**	
ISCJB	XI	05 05 42 06.3–.45	24.43N–.01	121.85E–.03	7–2				**¶13399285**
NEIC	XI	05 05 42 06.4–2.9	24.42N	121.83E	10	3.9L			
TAP	XI	05 05 42 06.1	24.44N	121.83E	17–0	3.3L			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=4.6km s-min=2.2km az=12.1.								
NEIC	Event type fe. Error ellipse: s-maj=34.2km s-min=7.9km az=88.0. Recorded [4 TAP] in I-lan and [3 TAP] in Hua-lien.								
TAP	C.								
	(710) Pakistan								
ISC	**XI**	**05 08 21 11.0–1.2**	**30.38N–.03**	**67.72E–.03**	**20–9**	**4.6b,3.8s**	**227**	**4-120**	
IDC	XI	05 08 21 07.5–.64	30.36N	67.55E	0	4.5,4.4			**¶11395608**
ISCJB	XI	05 08 21 08.3–1.5	30.40N–.03	67.70E–.03	15–10	4.6b,3.8s			
NEIC	XI	05 08 21 09.2–.27	30.38N	67.67E	10	4.9b,3.8s			
MOS	XI	05 08 21 11.5–1.1	30.43N	67.68E	37	4.9b,3.8s			
BJI	XI	05 08 21 13.5	30.78N	67.98E	5	4.9b,4.6b			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=16.1km s-min=14.3km az=27.0.								
ISCJB	Event type fe. Error ellipse: s-maj=5.5km s-min=4.3km az=4.3.								
NEIC	Event type fe. Error ellipse: s-maj=6.5km s-min=3.8km az=19.0. Felt at Sohbatpur.								
MOS	Error ellipse: s-maj=7.7km s-min=5.4km az=98.2.								
	(238) Ryukyu Islands								
JMA	**XI**	**05 20 26 04.0–.10**	**28.61N**	**129.39E**	**25–1**	**3.5**			
NIED	XI	05 20 26 00	28.60N	129.40E	26	3.5W			**¶11750113**
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s128.00000°,δ71.00000°,λ-54.00000°. NP2:ϕ_s242.00000°,δ40.00000°,λ-150.00000°. $M_0$2.16000×10^{14}								
	(159) North Island								
WEL	**XI**	**05 22 33 49.5–.08**	**40.54S**	**175.95E**	**26–1**	**3.9L**			**¶11521658**
WEL	Event type fe. Error ellipse: s-maj=1.3km s-min=0.8km az=90.0. Felt between Manawatu, Wellington and Wairarapa, maximum reported intensity. MM 4.								
	(249) Luzon								
ISC	**XI**	**06 01 04 30.0–.17**	**13.00N–.02**	**124.40E–.03**	**10**	**4.8b,4.4s**	**381**	**1-167**	
IDC	XI	06 01 04 28.0–.39	12.93N	124.33E	0	4.6,4.6			**¶11396232**
ISCJB	XI	06 01 04 28.2–.17	12.99N–.02	124.42E–.03	10	4.8b,4.4s			
MAN	XI	06 01 04 30	13.12N	124.37E	15	5.6b,5.0s			
BJI	XI	06 01 04 30.1	12.68N	124.41E	37	5.0b,4.7s			
MOS	XI	06 01 04 31.2–.98	12.92N	124.33E	33	5.2b,4.5s			
GCMT	XI	06 01 04 32.4–.10	13.06N	124.48E	25–0	5.2W,4.5s			
NEIC	XI	06 01 04 33.4–.71	12.92N	124.37E	36–6	5.1b,4.5s			
TEH	XI	06 01 04 33.0	12.91N	124.41E	35	5.1b,4.5s			
DJA	XI	06 01 04 54	12.47N	124.33E	156	4.9b,4.5s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=15.0km s-min=9.9km az=68.0.								
ISCJB	Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=164.5.								
MAN	Event type fe. INTENSITY III - SORSOGON CITY LEGASPI CITY CATARMAN N. SAMAR; VIRAC CATANDUANES; INTENSITY II - CAN-AVID N. SAMAR.								
MOS	Error ellipse: s-maj=10.6km s-min=5.5km az=121.4.								
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c119; s92,c171; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.04±.19 $M_{\theta\theta}$8.22±.14; $M_{\phi\phi}$-1.18±.16; $M_{r\theta}$1.09±.27; $M_{\theta\phi}$-0.05±.11; $M_{\theta r}$1.31±.35; Best double couple: NP1:ϕ_s102.00000°,δ42.00000°,λ-72.00000°. NP2:ϕ_s259.00000°,δ50.00000°,λ-106.00000°. Principal axes: T 8.3000,Plg4.0000° ,Azm360.0000°; N -0.9000,Plg12.0000°,Azm269.0000°; P -7.3900,Plg77.0000° ,Azm108.0000° $M_0$7.90000×10^{16}								
NEIC	Event type fe. Error ellipse: s-maj=5.7km s-min=4.1km az=74.0. Felt [III PIVS] at Catarman and [II PIVS] at Can-Avid. Also felt [III PIVS] at Legaspi and Sorsogon, Luzon and at Virac, Catanduanes.								
	(159) North Island								
WEL	**XI**	**06 04 25 25.8–.08**	**37.82S**	**176.76E**	**5**	**3.5L**			**¶11521667**
WEL	Event type fe. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.								
	(244) Taiwan								
ISC	**XI**	**06 07 20 48.9–.21**	**23.89N–.01**	**120.74E–.02**	**27–1**		**117**	**0-2**	
NEIC	XI	06 07 20 47.2–1.6	23.91N	120.71E	18–14	4.2L			**¶11396247**
ISCJB	XI	06 07 20 48.8–.21	23.89N–.01	120.74E–.02	28–1	4.2L			
TAP	XI	06 07 20 48.1	23.88N	120.75E	29–0	3.9L			
ISC	Event type fe.								
NEIC	Event type fe. Error ellipse: s-maj=21.9km s-min=7.9km az=112.0. Recorded [3 TAP] in Nan-t'ou and Yun-lin, [2 TAP] in Chang-hua and T'ai-chung.								
ISCJB	Event type fe. Error ellipse: s-maj=3.2km s-min=1.7km az=32.7.								
TAP	B.								
	(249) Luzon								
ISC	**XI**	**06 07 45 57.2–.15**	**13.08N–.02**	**124.50E–.03**	**10**	**5.0b,4.5s**	**396**	**1-154**	
BJI	XI	06 07 45 54.0	12.50N	124.73E	40	5.1b,4.9b			**¶11396248**
ISCJB	XI	06 07 45 55.4–.15	13.08N–.02	124.51E–.03	10	5.0b,4.5s			
MAN	XI	06 07 45 57	13.02N	124.32E	9	5.7b,5.1s			
MOS	XI	06 07 45 58.0–1.1	12.97N	124.41E	33	5.3b,4.6s			
GCMT	XI	06 07 45 59.3–.20	13.03N	124.52E	26–0	5.2W,4.6s			
IDC	XI	06 07 45 59.7–2.6	12.94N	124.44E	33–19	4.5,4.5b			
NEIC	XI	06 07 46 01.2–.58	12.98N	124.48E	45–5	5.2b,4.5b			
DJA	XI	06 07 46 07	13.19N	124.66E	108	5.4W,4.5b			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=174.6.								
MAN	Event type fe. INTENSITY IV - SORSOGON CITY; INTENSITY III - CATARMAN N. SAMAR; LEGASPI CITY; VIRAC CATANDUANES.								
MOS	Error ellipse: s-maj=9.8km s-min=5.3km az=115.4.								
GCMT	Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s57,c90; s81,c147; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.92±.23 $M_{\theta\theta}$7.73±.16; $M_{\phi\phi}$-3.81±.22; $M_{r\theta}$-3.52±.29; $M_{\theta\phi}$1.26±.13; $M_{\phi r}$3.01±.43; Best double couple: NP1:ϕ_s228.00000°,δ46.00000°,λ-152.00000°. NP2:ϕ_s117.00000°,δ71.00000°,λ-48.00000°. Principal axes: T 8.7200,Plg15.0000° ,Azm178.0000°; N -1.0800,Plg39.0000°,Azm281.0000°; P -7.6400,Plg47.0000° ,Azm71.0000° $M_0$8.20000×10^{16}								
IDC	Error ellipse: s-maj=14.2km s-min=8.5km az=72.0.								
NEIC	Event type fe. Error ellipse: s-maj=5.4km s-min=3.8km az=80.0. Felt [IV PIVS] at Sorsogon and [III PIVS] at Legaspi, Luzon. Felt [III PIVS] at Catarman and [II PIVS] at Can-Avid, Samar. Felt at Calbayog. Also felt [III PIVS] at Virac, Catanduanes.								
	(224) Hokkaido region								
ISC	**XI**	**06 09 36 26.7–.68**	**42.94N–.05**	**145.56E–.06**	**41–5**	**4.1b**	**99**	**0-84**	
MOS	XI	06 09 36 23.4–1.6	42.81N	145.69E	33	4.6b			**¶13399415**
JMA	XI	06 09 36 25.0–.10	42.88N	145.66E	41–1	4.1			
SKHL	XI	06 09 36 25.1–.10	42.77N	145.59E	40–5	5.0b			
ISCJB	XI	06 09 36 25.4–.69	42.91N–.05	145.59E–.06	49–4	4.1b			
NEIC	XI	06 09 36 25.1	42.88N	145.66E	41	4.1			
IDC	XI	06 09 36 27.3–2.7	42.91N	145.59E	48–26	4.1L,3.9			
ISC	Event type fe.								
MOS	Error ellipse: s-maj=12.5km s-min=8.2km az=91.5.								
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.								
ISCJB	Event type fe. Error ellipse: s-maj=10.2km s-min=5.3km az=137.8.								
NEIC	Event type fe. Recorded [1 JMA] in eastern Hokkaido. After JMA.								
IDC	Error ellipse: s-maj=18.1km s-min=17.3km az=14.0.								
	(73) El Salvador								
ISC	**XI**	**07 03 14 28.3–.26**	**13.66N–.04**	**88.80W–.02**	**10**	**3.9b**	**65**	**0-64**	
ISCJB	XI	07 03 14 27.5–.26	13.66N–.04	88.79W–.02	10	3.9b			**¶12072617**
CASC	XI	07 03 14 27.3–3.1	13.69N	88.80W	6–8	4.1,3.9b			
NEIC	XI	07 03 14 29.6–.68	13.76N	88.71W	10	3.9b,3.6			
IDC	XI	07 03 14 32.0–3.0	13.91N	89.09W	0	3.8,3.6			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=5.3km s-min=1.9km az=16.8.								
CASC	Error ellipse: s-maj=6.5km s-min=3.0km az=-1.0.								
NEIC	Event type fe. Error ellipse: s-maj=23.0km s-min=9.0km az=39.0. Felt [IV] at San Vicente.								
IDC	Error ellipse: s-maj=39.7km s-min=34.5km az=157.0.								
	(662) Sakhalin Island								
ISC	**XI**	**07 05 53 44.3–.75**	**48.58N–.02**	**142.52E–.06**	**5–5**	**4.0b**	**91**	**1-83**	
ISCJB	XI	07 05 53 42.2–.71	48.57N–.02	142.48E–.06	3–4	4.0b			**¶13399473**
MOS	XI	07 05 53 42.9–1.1	48.63N	142.55E	10	4.2b			
SKHL	XI	07 05 53 42.5–1.1	48.53N	142.55E	10–0	4.4b,4.0s			
IDC	XI	07 05 53 43.5–.68	48.67N	142.39E	0	4.2,4.2			
NEIC	XI	07 05 53 44.9–.37	48.61N	142.44E	10	4.4b,4.2			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=6.7km s-min=3.7km az=164.5.								
MOS	Event type fe. Error ellipse: s-maj=16.0km s-min=8.2km az=97.7. Felt (III) at Makarov. Moment Tensor Solution.								
SKHL	Event type fe. Felt (III) at Makarov.								
IDC	Error ellipse: s-maj=20.7km s-min=15.2km az=149.0.								
NEIC	Event type se. Error ellipse: s-maj=9.8km s-min=8.6km az=107.0.								
	(2) Southern Alaska								
NEIC	**XI**	**07 07 45 18.8**	**61.62N**	**149.92W**	**46**	**3.7L,3.3L**			**¶11396592**
NEIC	Event type fe. Felt [III] at Anchorage and [II] at Chugiak, Eagle River, Palmer and Wasilla. Also felt at Willow. After AEIC.								
	(210) South of Mariana Islands								
ISC	**XI**	**07 08 37 51.2–1.6**	**12.44N–.03**	**144.04E–.02**	**31–11**	**5.3b,4.7s**	**761**	**1-156**	
IDC	XI	07 08 37 45.7–.38	12.40N	144.08E	0	5.2,5.2			**¶11396595**
MOS	XI	07 08 37 48.8–1.1	12.38N	144.02E	32	5.5b,5.2			
ISCJB	XI	07 08 37 48.6–1.5	12.47N–.03	143.98E–.02	23–10	5.3b,4.7s			
BJI	XI	07 08 37 49.2	12.55N	144.23E	32	5.4b,5.3b			
NEIC	XI	07 08 37 51.1–.15	12.37N	144.05E	35	5.3b,5.3b			

DJA XI 07 08 37 53 12.47N 144.42E 69 5.1b,5.3b
ISC Event type fe.
IDC Error ellipse: s-maj=14.6km s-min=9.6km az=100.0.
MOS Error ellipse: s-maj=8.3km s-min=5.1km az=104.1.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.6km az=169.6.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=4.1km az=149.0. Felt at Hagatna and Santa Rita.

(385) Strait of Gibraltar

ISC	**XI**	**07 11 02 50.9–.20**	**36.50N–.02**	**2.67W–.02**	**10**	**3.8b,3.5s**	**490**	**1-77**
ISCJB	XI	07 11 02 49.3–.20	36.52N–.02	2.67W–.02	10	3.8b,3.5s		**¶11456249**
IDC	XI	07 11 02 50.2–.95	36.33N	2.70W	0	3.8,3.7b		
CSEM	XI	07 11 02 50.4–.13	36.48N	2.64W	5	4.2L,4.2L		
CRAAG	XI	07 11 02 51.6	36.47N	2.60W		3.8L,4.2L		
IGIL	XI	07 11 02 51.9	36.48N	2.59W	4	3.8L,4.2L		
MDD	XI	07 11 02 51.2–.28	36.45N	2.55W	10–0	4.1,4.2L		
SFS	XI	07 11 02 51.0	36.40N	2.50W	4	4.1L,4.2L		
NEIC	XI	07 11 02 51.6	36.47N	2.60W	4	3.8,4.2L		
LDG	XI	07 11 02 52.1–.23	36.47N	2.64W	2–0	4.3L,4.2L		
INMG	XI	07 11 02 52.1–1.4	36.35N	2.63W	20–4	3.8L,4.2L		
CNRM	XI	07 11 02 56.6	36.22N	2.56W	30	4.1,4.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=174.0.
IDC Error ellipse: s-maj=23.3km s-min=14.3km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=149.0.
MDD Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=120.0. EMS: Sentido en Almer capital. PRIMO.
SFS Event type ke.
NEIC Event type se. After MDD.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=2.6km az=156.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=170.0.
CNRM Event type ke.

(137) San Juan Province

ISC	**XI**	**07 11 26 26.3–1.6**	**31.53S–.04**	**69.34W–.05**	**5–11**	**4.0b**	**45**	**1-153**
IDC	XI	07 11 26 25.3–.65	31.62S	69.38W	0	4.2,4.2		**¶12072669**
NEIC	XI	07 11 26 26.7–.50	31.65S	69.35W	10	4.5b,4.4		
GUC	XI	07 11 26 27.7–.76	31.59S	69.49W	128–17	4.1L,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=19.1km s-min=10.1km az=8.0.
NEIC Event type fe. Error ellipse: s-maj=13.0km s-min=8.4km az=213.0. Felt [III] in the Valle de Calingasta.
GUC Error ellipse: s-maj=3.8km s-min=12.7km az=-1.0.

(232) Western Honshu

JMA	**XI**	**07 18 07 10.0**	**35.35N**	**135.83E**	**12–1**	**2.5**		
								¶14119567

JMA Event type fe.

(460) Wyoming

ISC	**XI**	**07 18 37 40.9–.42**	**43.74N–.04**	**105.26W–.05**	**0**		**38**	**1-61**
ISCJB	XI	07 18 37 39.3–.44	43.74N–.04	105.25W–.05	0			**¶12072730**
NEIC	XI	07 18 37 40.8–.37	43.74N	105.27W	0	2.9L		
IDC	XI	07 18 37 40.8–1.8	43.84N	105.52W	0	4.2b,4.2		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=6.1km s-min=5.5km az=165.5.
NEIC Event type fm. Error ellipse: s-maj=5.5km s-min=4.8km az=163.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=56.1km s-min=8.2km az=150.0.

(159) North Island

WEL	**XI**	**07 18 38 27.6–.09**	**40.10S**	**176.75E**	**49–1**	**3.6L**		
								¶11521709

WEL Event type fe. Error ellipse: s-maj=1.4km s-min=0.7km az=90.0. Felt in the Hawke's Bay region, maximum reported intensity MM 4.

(460) Wyoming

ISC	**XI**	**07 19 07 37.9–.39**	**43.80N–.03**	**105.25W–.05**	**0**	**4.2b**	**57**	**1-61**
ISCJB	XI	07 19 07 36.2–.42	43.80N–.03	105.28W–.05	0	4.2b		**¶12072732**
IDC	XI	07 19 07 36.0–1.4	43.46N	105.23W	0	4.0b,3.8		
NEIC	XI	07 19 07 37.7–.38	43.79N	105.23W	0	3.2L,3.8		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.2km s-min=4.9km az=164.1.
IDC Error ellipse: s-maj=34.7km s-min=8.2km az=152.0.
NEIC Event type fm. Error ellipse: s-maj=5.1km s-min=4.9km az=199.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**XI**	**07 20 09 33.2–.55**	**43.50N–.05**	**105.01W–.07**	**0**		**30**	**1-11**
ISCJB	XI	07 20 09 31.8–.56	43.53N–.05	105.01W–.07	0			**¶12072743**
NEIC	XI	07 20 09 33.1–.47	43.49N	105.02W	0	3.1L		
IDC	XI	07 20 09 36.4–2.0	43.98N	105.72W	0	3.4,3.2		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=7.7km s-min=6.6km az=146.0.
NEIC Event type fm. Error ellipse: s-maj=6.9km s-min=5.7km az=147.0. 75 km [50 miles] WSW of Newcastle. Suspected Mining explosion.
IDC Error ellipse: s-maj=77.0km s-min=9.0km az=147.0.

(227) Eastern Honshu

JMA	**XI**	**08 00 23 00.7**	**35.82N**	**137.53E**	**8–1**	**2.9**		
								¶14119655

JMA Event type fe.

(173) Tonga Islands

ISC	**XI**	**08 07 50 01.5–.09**	**15.27S–.03**	**174.29W–.02**	**141**	**5.4b**	**927**	**8-176**
ISCJB	XI	08 07 49 59.7–.09	15.27S–.03	174.31W–.02	139	5.4b		**¶11396811**
NEIC	XI	08 07 49 59.0–.11	15.22S	174.23W	121	6.0W,5.9W		
IDC	XI	08 07 50 00.9–.56	15.20S	174.26W	137–5	5.1,5.1		
DJA	XI	08 07 50 00	15.23S	174.22W	128	6.0W,5.1		
MOS	XI	08 07 50 00.9–.65	15.34S	174.15W	162	5.5b,5.2s		
BJI	XI	08 07 50 00.5	14.78S	174.18W	139	5.6b,5.4b		
GCMT	XI	08 07 50 04.5–.10	15.07S	173.94W	132–0	6.0W,5.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.2km az=150.2.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.2km az=148.0. Felt at Apia, Samoa. Moment Tensor Solution. s110 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s223.00000°,δ11.00000°,λ-98.00000°. NP2:ϕ_s51.00000°,δ79.00000°,λ-88.00000°. Principal axes: T 1.0500,Plg33.0000° ,Azm139.0000°; N 0.0500,Plg1.0000°,Azm230.0000°; P -1.1000,Plg56.0000°,Azm323.0000° $M_0$1.10000×10^{18}
IDC Error ellipse: s-maj=11.3km s-min=9.6km az=115.0.
MOS Error ellipse: s-maj=17.3km s-min=11.3km az=1.6.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=119, comp=285, per= 50. Moment Tensor Solution. s112,c268; s81,c105; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s313.00000° ,δ31.00000°,λ-17.00000°. NP2:ϕ_s58.00000°,δ81.00000°,λ-120.00000°. Principal axes: T 1.0000,Plg30.0000°,Azm172.0000°; N 0.2900,Plg30.0000°,Azm63.0000° ; P -1.2800,Plg45.0000°,Azm297.0000° $M_0$1.10000×10^{18}

(227) Eastern Honshu

ISC	**XI**	**08 10 22 29.5–.53**	**38.86N–.03**	**140.74E–.04**	**4–5**	**3.7b**	**34**	**0-146**
NIED	XI	08 10 22 00	38.90N	140.70E	8	3.7W		**¶11750258**
ISCJB	XI	08 10 22 29.6–.52	38.86N–.03	140.76E–.04	17–6	3.7b		
JMA	XI	08 10 22 29.7	38.87N	140.72E	6–1	3.8		
NEIC	XI	08 10 22 29.7	38.87N	140.72E	6	3.8		
IDC	XI	08 10 22 35.2–2.6	38.84N	140.56E	52–25	3.7,3.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s173.00000°,δ56.00000°,λ56.00000°. NP2:ϕ_s44.00000°,δ46.00000°,λ130.00000°. $M_0$3.95000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.4km az=135.2.
JMA Event type fe.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=26.4km s-min=17.1km az=112.0.

(159) North Island

ISC	**XI**	**08 11 57 25.4–.25**	**38.27S–.03**	**176.04E–.05**	**205–2**	**4.3b**	**165**	**0-170**
ISCJB	XI	08 11 57 24.5–.25	38.25S–.03	176.03E–.05	209–2	4.3b		**¶11453024**
IDC	XI	08 11 57 24.5–.38	37.95S	176.19E	201–3	4.3,4.2		
WEL	XI	08 11 57 25.9–.30	38.16S	176.06E	201–2	5.7L,4.2		
NEIC	XI	08 11 57 25.7	38.15S	176.03E	203	4.4b,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.5km az=13.1.
IDC Error ellipse: s-maj=17.1km s-min=9.8km az=35.0.
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=90.0. Felt between Bay of Plenty, Wellington and Gisborne, maximum reported. intensity MM 5.
NEIC Event type fe. Felt [IV] at Gisborne, Kotemaori and Waituna West. Widely felt on the North Island. After WEL.

(13) Kodiak Island region

NEIC	**XI**	**08 14 57 52.1**	**57.73N**	**152.55W**	**4**	**2.7L**		
								¶13399580

NEIC Event type fe. Felt at Kodiak. After AEIC.

(70) Guatemala

ISC	**XI**	**08 16 48 10.1–.45**	**14.02N–.05**	**92.01W–.03**	**65–6**	**4.0b**	**81**	**0-146**
ISCJB	XI	08 16 48 08.7–.48	14.01N–.05	92.02W–.03	77–6	4.0b		**¶12072838**
NEIC	XI	08 16 48 11.3–1.8	14.25N	91.71W	72–14	4.1b		
IDC	XI	08 16 48 12.4–1.3	14.33N	91.77W	58–6	4.0,3.7s		
MEX	XI	08 16 48 12.3–.44	13.99N	92.18W	25–11	4.3,3.7s		
CASC	XI	08 16 48 12.8–1.7	14.21N	91.76W	61–17	4.1L,4.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=3.0km az=29.5.
NEIC Event type fe. Error ellipse: s-maj=26.5km s-min=12.2km az=210.0. Felt at Quetzaltenango.
IDC Error ellipse: s-maj=24.2km s-min=17.4km az=25.0.
MEX Error ellipse: s-maj=5.8km s-min=6.7km az=-1.0.
CASC Error ellipse: s-maj=15.1km s-min=8.5km az=-1.0.

(314) Southern India

ISC	**XI**	**08 16 51 38.3–1.9**	**23.50N–.03**	**87.18E–.04**	**26–16**	**3.7b**	**60**	**1-30**
DMN	XI	08 16 51 35.0–.33	23.21N	87.12E	10–0	4.6L		**¶11472976**
ISCJB	XI	08 16 51 37.7–.61	23.50N–.03	87.06E–.05	33–11	3.8b		
NEIC	XI	08 16 51 38.0–1.2	23.64N	87.36E	10	4.2b		
NDI	XI	08 16 51 38.5–7.1	23.60N	87.35E	10–0	4.2L,4.2b		
IDC	XI	08 16 51 41.8–18	24.17N	87.83E	0	3.8,3.8		

ISC Event type fe.
DMN Event type ke. Error ellipse: s-maj=7.9km s-min=6.3km az=37.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.5km az=169.3.
NEIC Event type fe. Error ellipse: s-maj=22.7km s-min=12.1km az=46.0. Felt at Bankura.
NDI Error ellipse: s-maj=23.1km s-min=22.4km az=-1.0.
IDC Error ellipse: s-maj=310.0km s-min=57.4km az=11.0.

(224) Hokkaido region

ISC	**XI**	**09 00 11 33.1–.31**	**42.68N–.03**	**143.78E–.05**	**95–2**	**4.2b**	**112**	**0-148**
NIED	XI	09 00 11 00	42.70N	143.70E	83	3.9W		**¶13399612**
ISCJB	XI	09 00 11 31.9–.31	42.68N–.03	143.78E–.05	101–2	4.2b		
MOS	XI	09 00 11 32.5–1.1	42.77N	143.76E	104	4.5b		
JMA	XI	09 00 11 33.5–.10	42.71N	143.70E	93–1	3.8		
NEIC	XI	09 00 11 33.6	42.71N	143.70E	93	4.4b		
IDC	XI	09 00 11 35.1–1.8	42.80N	143.68E	106–11	3.9,3.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s266.00000°,δ84.00000°,λ-103.00000°. NP2:ϕ_s154.00000°,δ15.00000°,λ-23.00000°. $M_0$8.94000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.3km az=37.4.
MOS Error ellipse: s-maj=15.1km s-min=9.0km az=86.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type fe. Recorded [2 JMA] in southern Hokkaido. After JMA.
IDC Error ellipse: s-maj=18.5km s-min=14.3km az=160.0.

(250) Mindoro

ISC	**XI**	**09 00 14 46.4–4.0**	**13.4N–.10**	**120.4E–.20**	**11–27**	**3.8b**	**10**	**1-56**
IDC	XI	09 00 14 44.9–.92	13.41N	120.38E	0	3.9,3.7b		**¶12072892**
ISCJB	XI	09 00 14 46.2–3.9	13.4N–.20	120.4E–.20	23–30	3.8b,3.7b		
MAN	XI	09 00 14 46	13.71N	120.32E	33	4.1b,3.0L		

ISC Event type fe.
IDC Error ellipse: s-maj=18.5km s-min=10.6km az=126.0.
ISCJB Event type fe. Error ellipse: s-maj=43.6km s-min=18.0km az=152.1.
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.

(162) South Island

ISC	**XI**	**09 03 25 08.3–.42**	**45.08S–.05**	**167.57E–.08**	**133–5**	**3.8b**	**62**	**0-152**
ISCJB	XI	09 03 25 07.3–.43	45.09S–.06	167.60E–.08	141–5	3.8b		**¶11521735**
IDC	XI	09 03 25 08.3–.70	44.96S	167.55E	128–6	3.9,3.7		
WEL	XI	09 03 25 08.8–.43	45.16S	167.31E	122–3	5.0L,3.7		
NEIC	XI	09 03 25 09.3–1.2	45.01S	167.62E	141–13	4.2b,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.8km az=44.5.
IDC Error ellipse: s-maj=19.2km s-min=10.1km az=160.0.
WEL Event type fe. Error ellipse: s-maj=4.0km s-min=1.7km az=90.0. Felt from Otago to Fiordland, maximum reported intensity MM 4.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=11.3km az=75.0.

(369) Dodecanese Islands

ISC	**XI**	**09 07 48 54.5–.14**	**36.14N–.01**	**27.97E–.01**	**70–2**	**4.0b**	**780**	**0-81**
MOS	XI	09 07 48 45.5–1.5	35.55N	27.98E	33	4.3b		**¶13399630**
ISCJB	XI	09 07 48 53.0–.15	36.12N–.01	27.99E–.01	75–2	4.0b		
DDA	XI	09 07 48 53.6	36.23N	27.82E	53–5	4.5L		
IDC	XI	09 07 48 53.5–2.2	36.25N	27.87E	53–22	4.5L,3.9		
ISK	XI	09 07 48 54.6	36.32N	27.86E	72	4.3L,3.9		
CSEM	XI	09 07 48 54.5–.08	36.12N	27.99E	75–1	4.2b,3.8W		
NEIC	XI	09 07 48 54.2	36.27N	27.89E	61	4.2b,3.8W		
ATH	XI	09 07 48 54.2	36.27N	27.89E	61–0	3.7L,3.8W		
THE	XI	09 07 48 55.1	36.23N	28.03E	33–4	3.9L,3.8W		
SGS	XI	09 07 48 55.4	36.14N	27.94E	54	3.9L,3.8W		
NIC	XI	09 07 48 56.6–.10	36.09N	28.19E	46	4.3b,3.9L		
HLW	XI	09 07 49 06.5	35.05N	28.07E	31–33	3.9L,3.5		

ISC Event type fe.
MOS Error ellipse: s-maj=10.5km s-min=3.8km az=122.4.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=22.6.
IDC Error ellipse: s-maj=16.6km s-min=14.8km az=128.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=29.0.
NEIC Event type fe. Felt on Rhodes. After ATH.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.0km az=280.0.
NIC Moment Tensor Solution. $M_0$4.30000×10^{14}

(103) Colombia

ISC	**XI**	**09 08 01 00.2–.80**	**4.50N–.04**	**75.19W–.04**	**22–5**	**4.4b,3.9s**	**266**	**0-156**
IDC	XI	09 08 00 55.9–.54	4.44N	75.41W	0	5.9L,4.4		**¶13399632**
NEIC	XI	09 08 00 56.7–1.2	4.50N	75.31W	3–7	4.5b,4.4		
BJI	XI	09 08 00 58.3	4.50N	75.30W	10	5.0s,5.0b		
ISCJB	XI	09 08 00 59.3–.74	4.53N–.04	75.21W–.04	28–4	4.4b,3.9s		

ISC Event type fe.
NEIC Event type fe. Felt at Armenia, Belalcazar, Ibague and Pereira.
ISCJB Event type fe.

(29) Washington

ISC	**XI**	**09 09 15 28.0–.34**	**48.86N–.02**	**122.58W–.03**	**10–4**		**55**	**0-4**
ISCJB	XI	09 09 15 27.7–.39	48.86N–.02	122.59W–.03	11–3			**¶11406516**
NEIC	XI	09 09 15 28.5	48.87N	122.54W	19	2.8		
PGC	XI	09 09 15 28.5–1.7	48.86N	122.53W	21–0	2.6L		
PNSN	XI	09 09 15 28.5	48.87N	122.54W	19	2.8		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=8.8.
NEIC Event type fe. Felt at Blaine, Custer, Ferndale and Lynden. Also felt at Abbotsford and White Rock, British Columbia. After SEA.
PGC Event type ke. 27km southwest of Albertabotsford, Bc Washington.
PNSN Moment Tensor Solution. NP1:ϕ_s115.00000°,δ60.00000° NP2:ϕ_s276.00000°,δ31.00000° Principal axes: T Plg73.0000°,Azm50.0000°; P Plg14.0000°,Azm198.0000° Moment Tensor Solution. NP1:ϕ_s325.00000°,δ10.00000° NP2:ϕ_s145.00000°,δ80.00000° Principal axes: T Plg55.0000°,Azm55.0000°; P Plg35.0000°,Azm235.0000°

(227) Eastern Honshu

ISC	**XI**	**09 13 49 48.1–.54**	**38.63N–.05**	**141.04E–.08**	**35**	**3.7b**	**35**	**0-62**
JMA	XI	09 13 49 44.0	38.79N	140.79E	3–1	3.4		**¶12072956**
ISCJB	XI	09 13 49 45.2–.42	38.74N–.04	140.94E–.06	33	3.7b		
NEIC	XI	09 13 49 49.0–.89	38.70N	140.88E	42–10	3.4		
IDC	XI	09 13 49 49.6–2.5	38.72N	140.86E	48–25	3.6,3.4		

ISC Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s174.00000°,δ36.00000°,λ54.00000°. NP2:ϕ_s37.00000°,δ62.00000°,λ113.00000°. Principal axes: T Plg65.0000°,Azm348.0000°; N Plg20.0000°,Azm205.0000°; P Plg14.0000° ,Azm110.0000°
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.4km az=30.7.

NEIC Event type se. Error ellipse: s-maj=20.1km s-min=7.7km az=119.0.
IDC Error ellipse: s-maj=29.7km s-min=19.1km az=100.0.

(662) Sakhalin Island

ISC	**XI**	**09 14 10 44.3–.74**	**46.80N–.02**	**141.88E–.06**	**1–5**	**4.2b,3.5s**	**125**	**1-89**
NIED	XI	09 14 10 00	46.90N	141.70E	11	4.3W,3.5s		¶11750329
SKHL	XI	09 14 10 43.5–.30	46.87N	141.71E	10–0	4.1b,3.5s		
JMA	XI	09 14 10 43.6–.40	46.91N	141.75E	16	4.6,3.5s		
MOS	XI	09 14 10 43.2–1.6	46.66N	141.81E	8	4.3b,3.5s		
ISCJB	XI	09 14 10 43.1–.79	46.84N–.02	141.80E–.05	4–5	4.1b,3.5s		
IDC	XI	09 14 10 43.8–.54	46.79N	141.84E	0	4.0,4.0		
NEIC	XI	09 14 10 45.5–1.9	46.87N	141.73E	10–13	4.4b,4.0		
BJI	XI	09 14 10 46.6	46.75N	141.36E	10	4.8b,4.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ67.00000°,λ84.00000°. NP2:ϕ_e21.00000°,δ24.00000°,λ104.00000°. M_o3.26000×10^{15}
SKHL Event type fe. Felt (III-IV) at Nevel'sk, (II-III) at Kholmsk.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=12.1km s-min=7.4km az=92.1. Felt (III-IV) at Nevel'sk, (II-III) at Kholmsk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.5km az=171.8.
IDC Error ellipse: s-maj=15.3km s-min=11.1km az=80.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.3km az=119.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**09 15 49 30.6–.71**	**38.79N–.05**	**141.7E–.10**	**62–5**	**3.7b**	**30**	**0-63**
ISCJB	XI	09 15 49 29.3–.74	38.80N–.05	141.7E–.10	69–5	3.6b		¶14120217
JMA	XI	09 15 49 30.7–.10	38.79N	141.64E	63–1	3.5		
IDC	XI	09 15 49 31.1–2.6	38.84N	141.83E	76–27	3.3b,3.3		
NEIC	XI	09 15 49 32.1–.95	38.83N	141.73E	85–9	3.9b,3.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=16.0km s-min=5.8km az=24.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s343.00000°,δ2.00000°,λ53.00000°. NP2:ϕ_s199.00000°,δ88.00000°,λ91.00000°. Principal axes: T Plg47.0000°,Azm111.0000°; N Plg1.0000°,Azm19.0000°; P Plg43.0000° ,Azm288.0000°
IDC Error ellipse: s-maj=41.9km s-min=17.5km az=100.0.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=8.5km az=116.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**09 16 44 59.6–.53**	**36.72N–.04**	**141.37E–.06**	**35**	**3.6b**	**39**	**1-78**
ISCJB	XI	09 16 44 57.2–.54	36.70N–.04	141.48E–.05	33	3.6b		¶11750338
JMA	XI	09 16 44 59.6–.10	36.72N	141.27E	47–2	3.7		
NEIC	XI	09 16 45 00.2–1.3	36.70N	141.40E	43–11	3.9b		
NIED	XI	09 16 45 00	36.70N	141.30E	44	3.8W		
IDC	XI	09 16 45 00.1–1.8	36.67N	141.44E	42–18	3.7,3.7L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.9km az=21.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=9.9km az=135.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ86.00000°,λ93.00000°. NP2:ϕ_e168.00000°,δ5.00000°,λ51.00000°. M_o6.23000×10^{14}
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=88.0.

(372) Cyprus region

ISC	**XI**	**09 18 23 49.2–.14**	**34.60N–.01**	**33.96E–.01**	**49–2**	**4.1b,3.4s**	**512**	**0-85**
IDC	XI	09 18 23 43.7–.79	34.72N	34.01E	0	4.2,4.2L		¶11406542
ISK	XI	09 18 23 44.7	34.33N	33.96E	31	4.2L,4.2L		
MOS	XI	09 18 23 46.6–1.1	34.62N	33.87E	33	4.3b,4.2L		
THE	XI	09 18 23 46.7	34.48N	33.84E	6–71	4.3b,4.2L		
ISCJB	XI	09 18 23 47.7–.15	34.58N–.01	33.93E–.01	55–2	4.1b,3.4s		
CSEM	XI	09 18 23 49.3–.07	34.61N	33.92E	48–1	4.2b,3.8W		
GRAL	XI	09 18 23 50.1–1.4	34.60N	34.02E	34–999	4.4,3.8W		
NEIC	XI	09 18 23 50.4–.51	34.63N	33.89E	57–5	4.1b,3.8W		
NIC	XI	09 18 23 50.1–.20	34.69N	33.95E	50	4.1L,3.8W		
HLW	XI	09 18 23 54.0	34.27N	33.48E	32–34	3.9,3.8L		
SGS	XI	09 18 23 56.4	34.03N	33.10E	57	3.9,3.8L		

ISC Event type fe.
IDC Error ellipse: s-maj=20.9km s-min=14.1km az=30.0.
MOS Error ellipse: s-maj=10.5km s-min=5.6km az=111.3.
THE Event type ke. Error ellipse: s-maj=71.1km s-min=9.0km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=37.4.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=38.0.
GRAL Error ellipse: s-maj=7.5km s-min=7.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.8km az=219.0. Felt at Larnaca, Nicosia and Tersefanou.
NIC Event type fe. Felt earthquake; Maximum Intensity 4; Felt I=IV MM at Larnaca. Moment Tensor Solution. M_o4.00000×10^{14}

(135) Near coast of central Chile

ISC	**XI**	**09 23 28 15.3–.27**	**30.83S–.02**	**71.10W–.07**	**58–3**	**4.7b,3.8s**	**266**	**0-176**
IDC	XI	09 23 28 13.7–.59	30.86S	71.45W	53–4	4.4,4.2		¶11406555
ISCJB	XI	09 23 28 14.2–.27	30.83S–.02	71.13W–.07	64–2	4.7b,4.2		
GUC	XI	09 23 28 14.6–.61	30.82S	71.18W	55–2	4.9L,4.2		
NEIC	XI	09 23 28 14.6	30.82S	71.18W	55	4.8b,4.2		
BJI	XI	09 23 28 18.8	30.60S	70.70W	88	4.9b,4.9		

ISC Event type fe.
IDC Error ellipse: s-maj=19.0km s-min=10.0km az=29.0.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=3.7km az=178.3.
GUC Error ellipse: s-maj=1.2km s-min=6.5km az=-1.0.
NEIC Event type fe. Felt [III] at Andacollo, Hurtado, Ovalle and Vicuna; [II] at Illapel. Also felt at La Serena. After GUC.

(2) Southern Alaska

ISC	**XI**	**09 23 36 56.8–.32**	**60.06N–.03**	**153.15W–.06**	**123–3**	**4.2b**	**119**	**0-83**
IDC	XI	09 23 36 54.7–1.0	60.12N	153.33W	100–11	4.1,4.0		¶12073006
ISCJB	XI	09 23 36 55.6–.33	60.09N–.03	153.16W–.06	129–3	4.1b,4.0		
NEIC	XI	09 23 36 57.6	60.00N	153.02W	127	5.0b,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=11.3km s-min=9.1km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.3km az=176.0.
NEIC Event type fe. Felt at Anchorage, Anchor Point, Chugiak, Eagle River, Girdwood, Homer and Palmer. After AEIC.

(325) Qinghai

ISC	**XI**	**10 01 21 59.7–.50**	**37.62N–.01**	**95.89E–.01**	**0–3**	**6.5s,6.3b**	**1959**	**4-169**
IDC	XI	10 01 21 58.9–.27	37.59N	95.97E	0	6.3s,6.3		¶13399710
ISCJB	XI	10 01 21 59.6–.07	37.58N–.01	95.81E–.01	10	6.5s,6.2b		
BJI	XI	10 01 21 59.1	37.66N	95.91E	16	6.6s,6.5L		
MOS	XI	10 01 22 02.5–.90	37.50N	95.94E	39	6.5s,6.4b		
NEIC	XI	10 01 22 02.6–.09	37.57N	95.83E	19	6.4b,6.4s		
NNC	XI	10 01 22 05.8–1.9	38.01N	95.36E	6–13	6.1b,6.4s		
SZGRF	XI	10 01 22 06.0	37.85N	95.84E	33	6.7s,6.6b		
DJA	XI	10 01 22 08	37.81N	95.79E	78	6.6W,6.6b		
GCMT	XI	10 01 22 10.2–.10	37.51N	95.75E	27–0	6.3W,6.6b		
BGS	XI	10 01 22 15.5–2.3	38.54N	93.25E	20–0	6.7s,5.8b		

ISC Event type de.
IDC Error ellipse: s-maj=7.7km s-min=5.6km az=51.0.
ISCJB Event type de. Error ellipse: s-maj=2.0km s-min=1.4km az=19.5.
MOS Error ellipse: s-maj=5.5km s-min=3.5km az=124.4.
NEIC Event type de. Error ellipse: s-maj=2.6km s-min=2.2km az=19.0. Three people injured, several buildings damaged and utilities disrupted at the Dameigou Coal Mine. Damage at the mine was estimated at 4 million US dollars. Several homes collapsed at Golmud. About 20 homes damaged and utilities disrupted at Da Qaidam. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s134 Moment tensor: Scale 10^{18}Nm; M_{rr}1.40 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$-0.14 $M_{r\theta}$0.81 $M_{\theta\phi}$0.05 $M_{\phi r}$-0.30 Best double couple: NP1:ϕ_s265.00000°,δ29.00000°,λ76.00000°. NP2:ϕ_s101.00000° ,δ61.00000°,λ98.00000°. Principal axes: T 1.6700,Plg72.0000°,Azm29.0000° ; N -0.1700,Plg6.0000°,Azm277.0000°; P -1.5000,Plg16.0000°,Azm185.0000° M_o1.60000×10^{18}
NNC Error ellipse: s-maj=19.1km s-min=10.8km az=21.0.
SZGRF Qinghai, China.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=114, comp=279, per= 50. Moment Tensor Solution. s109,c262; s94,c142; Moment tensor: Scale 10^{18}Nm; M_{rr}2.51±.03 $M_{\theta\theta}$-3.48±.02; $M_{\phi\phi}$0.97±.02; $M_{r\theta}$2.49±.05; $M_{\theta\phi}$0.20±.02; $M_{\phi r}$-0.99±.05; Best double couple: NP1:ϕ_s252.00000°,δ28.00000°,λ57.00000°. NP2:ϕ_s108.00000°,δ67.00000°,λ106.00000°. Principal axes: T 3.6900,Plg64.0000°,Azm45.0000°; N 0.7500,Plg15.0000°,Azm282.0000° ; P -4.4300,Plg20.0000°,Azm186.0000° M_o4.10000×10^{18}
BGS Error ellipse: s-maj=599.9km s-min=913.6km az=-1.0.

(233) Near south coast of western Honshu

ISC	**XI**	**10 01 30 55.0–.59**	**34.19N–.04**	**135.67E–.04**	**58–6**		**27**	**0-54**
IDC	XI	10 01 30 49.5–1.8	33.82N	135.73E	0	4.1,3.9b		¶11415152
ISCJB	XI	10 01 30 53.9–.61	34.20N–.05	135.66E–.04	67–5	4.1,3.9b		
JMA	XI	10 01 30 55.0–.10	34.18N	135.67E	59–1	3.9,3.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=42.0km s-min=25.0km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.2km az=168.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s46.00000°,δ50.00000°,λ173.00000°. NP2:ϕ_s140.00000°,δ85.00000°,λ40.00000°. Principal axes: T Plg31.0000°,Azm11.0000°; N Plg50.0000°,Azm146.0000°; P Plg23.0000° ,Azm266.0000°

(274) Southern Sumatera

ISC	**XI**	**10 08 58 50.1–.26**	**0.33S–.02**	**99.97E–.02**	**121–2**	**5.4b**	**705**	**1-160**
SZGRF	XI	10 08 58 23.8	3.57S	101.28E	33	5.7b		¶13399737
BJI	XI	10 08 58 35.4	0.81S	100.17E	39	5.3b,5.2b		
TEH	XI	10 08 58 41.0	0.25S	100.01E	35	5.3b,5.2b		
DJA	XI	10 08 58 49.7–.20	0S–3.0	100E–3.0	106–3	5.7b,5.5		
ISCJB	XI	10 08 58 49.1–.26	0.28S–.02	100.01E–.03	127–2	5.3b,5.5		
MOS	XI	10 08 58 49.3–.96	0.11S	100.17E	125	5.5b,5.5		
IDC	XI	10 08 58 50.4–1.1	0.26S	100.13E	126–9	4.9,4.9		
NEIC	XI	10 08 58 50.5–.73	0.26S	100.14E	126–6	5.3b,4.9		
GCMT	XI	10 08 58 51.4–.30	0.28S	100.23E	128–2	5.1W,4.9		

ISC Event type fe.
SZGRF Southern Sumatera, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.7km az=136.8.
MOS Error ellipse: s-maj=9.5km s-min=4.3km az=117.4.
IDC Error ellipse: s-maj=12.2km s-min=6.6km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.0km az=48.0. Felt [III] at Padang and [II] at Padangpanjang.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c40; s62,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}2.39±.19 $M_{\theta\theta}$-3.20±.23; $M_{\phi\phi}$0.82±.27; $M_{r\theta}$2.09±.15; $M_{\theta\phi}$-4.89±.21; $M_{\phi r}$0.22±.18; Best double couple: NP1:ϕ_s192.00000°,δ62.00000°,λ12.00000°. NP2:ϕ_e97.00000°,δ79.00000°,λ152.00000°. Principal axes: T 4.6100,Plg27.0000° ,Azm51.0000°; N 2.2600,Plg60.0000°,Azm258.0000°; P -6.8500,Plg11.0000°,Azm147.0000° M_o5.70000×10^{16}

(109) Near coast of northern Peru

ISC	**XI**	**10 16 00 28.7–1.5**	**8.73S–.05**	**79.1W–.10**	**52–14**	**4.4b,4.2s**	**50**	**2-170**
ISCJB	XI	10 16 00 26.3–1.8	8.75S–.05	79.2W–.10	48–15	4.4b,4.2s		¶11415181
NEIC	XI	10 16 00 29.8–.27	8.81S	79.19W	63	4.6b,4.2s		
IDC	XI	10 16 00 29.7–.67	8.77S	79.12W	61–5	4.2,4.0		
BJI	XI	10 16 00 30.1	8.80S	79.20W	67	5.4s,5.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=22.0km s-min=6.8km az=166.9.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=5.5km az=67.0. Felt [III] at Chimbote and Salaverry and [II] at Casma and Trujillo.
IDC Error ellipse: s-maj=25.2km s-min=9.6km az=59.0.

(163) Cook Strait

WEL	**XI**	**10 17 20 54.9–.08**	**41.74S**	**174.39E**	**56–1**	**4.0L**		
								¶11521774

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.8km az=0.0. Felt from Manawatu to Canterbury, maximum reported intensity MM 5.

(135) Near coast of central Chile

ISC	**XI**	**10 20 44 52.5–.61**	**32.56S–.03**	**71.72W–.05**	**27–4**	**4.2b,3.8s**	**88**	**0-156**
IDC	XI	10 20 44 48.0–.66	32.58S	71.56W	0	4.4,4.3L		¶12073103
ISCJB	XI	10 20 44 52.5–.57	32.56S–.03	71.73W–.06	43–5	4.2b,3.8s		
NEIC	XI	10 20 44 52.7	32.56S	71.65W	29	4.1L,3.8s		
GUC	XI	10 20 44 52.7–.65	32.56S	71.65W	29–4	4.1L,3.8s		

ISC Event type fe.
IDC Error ellipse: s-maj=18.1km s-min=15.7km az=161.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.3km az=166.2.
NEIC Event type fe. Felt [III] at Papudo, Puchuncavi and Valparaiso; [II] at Petorca, Quillota, San Felipe and Santiago. After GUC.
GUC Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.

(274) Southern Sumatera

ISC	**XI**	**11 01 46 13.1–.19**	**4.23S–.03**	**102.10E–.02**	**68**	**4.8b**	**346**	**1-150**
MOS	XI	11 01 46 08.0–1.1	4.07S	102.28E	40	5.1b		¶11433888
BJI	XI	11 01 46 11.9	4.20S	102.20E	79	5.1b,4.9b		
ISCJB	XI	11 01 46 11.2–.19	4.23S–.03	102.07E–.02	66	4.8b,4.9b		
IDC	XI	11 01 46 12.5–.36	4.03S	102.32E	68–3	4.5,4.4		
NEIC	XI	11 01 46 12.5–.19	4.15S	102.19E	66	5.0b,4.4		
DJA	XI	11 01 46 13.8–.30	4S–3.0	102E–2.0	60–3	5.7b,5.4		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Bengkulu and Kapahiang and [II] at Mukomuko.

(2) Southern Alaska

ISC	**XI**	**11 03 35 46.6–.70**	**60.25N–.03**	**146.62W–.04**	**28–6**	**3.7b**	**79**	**1-59**
IDC	XI	11 03 35 43.7–1.1	60.25N	146.42W	0	4.0,3.8b		¶12073135
ISCJB	XI	11 03 35 45.7–.36	60.23N–.03	146.58W–.05	47–7	3.7b,3.8b		
NEIC	XI	11 03 35 47.4	60.27N	146.60W	26	3.6L,3.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.1km s-min=11.3km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.6km az=165.7.
NEIC Event type fe. Felt at Cordova and Valdez. After AEIC.

(230) Near south coast of eastern Honshu

ISC	**XI**	**11 05 00 05.4–.51**	**35.17N–.05**	**139.44E–.08**	**119–3**	**3.6b**	**29**	**0-75**
ISCJB	XI	11 05 00 04.4–.51	35.17N–.05	139.43E–.08	124–3	3.6b		¶12073139
JMA	XI	11 05 00 05.5–.20	35.20N	139.46E	115–2	3.4		
IDC	XI	11 05 00 05.2–2.0	35.17N	139.51E	119–10	3.4,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=6.1km az=152.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=67.0km s-min=6.9km az=69.0.

(58) Near coast of Guerrero

ISC	**XI**	**11 10 44 15.9–.58**	**16.93N–.05**	**100.03W–.03**	**14–3**	**4.3b,3.7s**	**98**	**0-129**
IDC	XI	11 10 44 12.1–1.9	16.81N	100.00W	0	4.3,4.2b		¶12073162
ISCJB	XI	11 10 44 14.8–.69	16.87N–.05	100.06W–.03	21–3	4.3b,3.7s		
NEIC	XI	11 10 44 14.5–.87	16.86N	99.92W	10	4.3b,3.9		
MEX	XI	11 10 44 16.7–1.1	16.88N	100.13W	4–8	3.9,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=40.0km s-min=21.8km az=16.0.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.2km az=15.8.
NEIC Event type fe. Error ellipse: s-maj=14.6km s-min=6.8km az=192.0. Felt at Acapulco.
MEX Error ellipse: s-maj=9.9km s-min=6.0km az=-1.0.

(529) Guyana

ISC	**XI**	**11 14 31 04.0–1.2**	**8.25N–.03**	**59.09W–.03**	**10–8**	**4.3b,3.7s**	**150**	**3-163**
TRN	XI	11 14 31 00.2	8.41N	58.51W	3	5.3,3.7s		¶12073183
ISCJB	XI	11 14 31 01.1–1.1	8.27N–.03	59.12W–.03	3–7	4.3b,3.7s		
IDC	XI	11 14 31 02.7–.45	8.23N	58.96W	0	4.5,4.4		
NEIC	XI	11 14 31 03.9–.31	8.20N	59.09W	10	4.6b,4.6W		
FUNV	XI	11 14 31 03.8	8.14N	58.83W	15	4.8W,4.6W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.6km az=26.7.
IDC Error ellipse: s-maj=15.0km s-min=12.7km az=116.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.6km az=185.0. Felt at Georgetown.

(70) Guatemala

ISC	**XI**	**11 15 05 57.3–.21**	**14.17N–.03**	**90.79W–.02**	**83–2**	**4.8b**	**628**	**0-161**
CASC	XI	11 15 05 54.8–2.8	13.94N	91.05W	77–20	5.1L,4.9b		¶13399846
MEX	XI	11 15 05 55.7–3.2	13.74N	91.12W	88–21	4.9,4.9b		
NEIC	XI	11 15 05 55.7–.27	14.03N	90.60W	92	5.4,4.9b		
IDC	XI	11 15 05 55.2–.54	14.29N	90.42W	81–4	4.4,4.3		
GCMT	XI	11 15 05 56.5–.20	14.03N	90.90W	99–2	5.1W,4.3		
ISCJB	XI	11 15 05 56.2–.22	14.14N–.03	90.80W–.02	93–2	4.8b,4.3		
BJI	XI	11 15 05 56.8	14.10N	90.70W	92	5.2b,4.3		
MOS	XI	11 15 05 59.0–1.2	14.24N	90.61W	127	5.0b,4.3		
SZGRF	XI	11 15 06 17.5	14.80N	93.02W	33	5.3b,4.3		

ISC Event type fe.
CASC Error ellipse: s-maj=15.4km s-min=9.0km az=-1.0.
MEX Error ellipse: s-maj=22.2km s-min=22.7km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.7km az=221.0. Felt [III] at Guatemala. Also felt at Antigua Guatemala and Panajachel. Felt [III] at San Salvador, El Salvador.
IDC Error ellipse: s-maj=19.1km s-min=8.8km az=61.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s61,c80; s80,c117; Moment tensor: Scale 10^{16}Nm; M_{rr}3.86±.18 $M_{\theta\theta}$-4.23±.22; $M_{\phi\phi}$0.37±.23; $M_{r\theta}$3.94±.11; $M_{\theta\phi}$1.35±.21; $M_{\phi r}$-1.67±.14; Best double couple: NP1:ϕ_s277.00000°,δ23.00000°,λ77.00000°. NP2:ϕ_s111.00000°,δ68.00000°,λ95.00000°. Principal axes: T 5.6800,Plg67.0000° ,Azm31.0000°; N 0.6900,Plg5.0000°,Azm289.0000°; P -6.3600,Plg23.0000°,Azm197.0000° $M_0$6.00000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=2.3km az=33.9.
MOS Error ellipse: s-maj=11.5km s-min=5.5km az=107.1.
SZGRF Near coast of Chiapas, Mexico.

(196) Irian Jaya region

ISC	**XI**	**11 20 34 36.9–.72**	**0.62S–.06**	**135.96E–.05**	**48–7**	**4.1b,3.4s**	**56**	**1-151**
IDC	XI	11 20 34 31.3–.63	0.59S	135.72E	0	4.5L,4.4		¶12073223
ISCJB	XI	11 20 34 35.4–.76	0.61S–.06	135.92E–.05	52–7	4.1b,3.4s		
NEIC	XI	11 20 34 37.0–1.6	0.64S	135.65E	42–15	4.3b,3.4s		
DJA	XI	11 20 34 36	0.59S	136.02E	25	4.8b,3.4s		

ISC Event type fe.
IDC Error ellipse: s-maj=31.2km s-min=14.1km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=6.9km az=33.2.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=7.4km az=65.0. Felt [III] at Biak.

(112) Peru-Brazil border region

ISC	**XI**	**12 00 22 05.6–.21**	**7.51S–.03**	**74.37W–.04**	**154**	**4.7b**	**570**	**4-167**
ISCJB	XI	12 00 22 03.4–.22	7.54S–.03	74.50W–.04	152	4.7b		¶11434415
IDC	XI	12 00 22 04.0–.57	7.60S	74.55W	146–5	4.5,4.4		
NEIC	XI	12 00 22 05.0–.17	7.55S	74.39W	153	4.9b,4.4		
BJI	XI	12 00 22 05.4	6.91S	74.28W	155	5.0b,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.3km az=142.6.
IDC Error ellipse: s-maj=10.4km s-min=8.6km az=58.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=70.0. Felt at Pucallpa.

(259) Mindanao

ISC	**XI**	**12 02 04 52.9–.38**	**7.01N–.02**	**126.36E–.03**	**54–3**	**5.0b,4.2s**	**371**	**0-163**
BJI	XI	12 02 04 45.3	6.39N	126.73E	44	5.1b,5.1b		¶13399882
MOS	XI	12 02 04 49.9–1.2	7.03N	126.32E	44	5.3b,5.1b		
ISCJB	XI	12 02 04 50.5–.38	6.99N–.02	126.38E–.03	48–3	5.0b,4.2s		
TEH	XI	12 02 04 51.0	6.98N	126.39E	35	5.0b,4.2s		
MAN	XI	12 02 04 51	6.96N	126.22E	34	5.6b,5.0s		
IDC	XI	12 02 04 51.1–1.3	6.96N	126.36E	43–11	4.6,4.6		
NEIC	XI	12 02 04 52.2–1.1	6.99N	126.33E	49–9	5.0b,4.6		
GCMT	XI	12 02 04 53.1–.30	6.89N	126.27E	36–2	5.1W,4.6		
DJA	XI	12 02 04 55	6.89N	126.25E	52	5.5W,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=12.0km s-min=5.7km az=115.8.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.8km az=166.3.
MAN Event type fe. INTENSITY IV - MATI DAVAO ORIENTAL; INTENSITY III - MANAY DAVAO ORIENTAL; TAGUM CITY.
IDC Error ellipse: s-maj=14.8km s-min=8.3km az=77.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=5.0km az=65.0. Felt [IV PIVS] at Mati; [III PIVS] at Manay and Tagum; [II PIVS] at Davao; [I PIVS] at General Santos.
GCMT Event type se. Data Used: IU G IC II CN. Moment Tensor Solution. s31,c36; s70,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}1.53±.26 $M_{\theta\theta}$3.46±.18; $M_{\phi\phi}$-4.99±.20; $M_{r\theta}$1.49±.20; $M_{\theta\phi}$-1.29±.16; $M_{\phi r}$1.74±.30; Best double couple: NP1:ϕ_s144.00000°,δ59.00000°,λ9.00000°. NP2:ϕ_s49.00000°,δ82.00000°,λ149.00000°. Principal axes: T 4.2800,Plg27.0000° ,Azm2.0000°; N 1.4300,Plg58.0000°,Azm217.0000°; P -5.7100,Plg15.0000°,Azm101.0000° $M_0$5.00000×10^{16}

(227) Eastern Honshu

ISC	**XI**	**12 04 39 47.5–.47**	**38.91N–.03**	**140.80E–.04**	**8–3**	**4.0b**	**49**	**0-146**
NIED	XI	12 04 39 00	38.90N	140.80E	5	3.8W		¶11434432
IDC	XI	12 04 39 46.2–.79	38.92N	140.78E	0	4.0,3.9b		
ISCJB	XI	12 04 39 47.3–.45	38.91N–.03	140.83E–.04	20–4	4.0b,3.9b		
JMA	XI	12 04 39 47.6	38.90N	140.80E	6–1	4.0,3.9b		
NEIC	XI	12 04 39 53.0–1.6	38.88N	140.60E	48–13	4.5b,3.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ61.00000°,λ82.00000°. NP2:ϕ_s187.00000°,δ30.00000°,λ104.00000°. $M_0$6.63000×10^{14}
IDC Error ellipse: s-maj=20.4km s-min=13.4km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.1km az=136.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s204.00000°,δ42.00000°,λ122.00000°. NP2:ϕ_s344.00000°,δ55.00000°,λ64.00000°. Principal axes: T Plg68.0000°,Azm199.0000°; N Plg21.0000°,Azm359.0000°; P Plg7.0000° ,Azm92.0000°
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=7.9km az=72.0.

(111) Northern Peru

ISC	**XI**	**12 11 42 54.5–3.2**	**4.51S–.06**	**77.7W–.10**	**15–20**	**3.9b**	**27**	**3-140**
IDC	XI	12 11 42 51.9–.71	4.50S	77.61W	0	4.2,4.1		¶12073292
NEIC	XI	12 11 42 59.3–1.0	4.61S	77.63W	57–10	3.9,4.1		

ISC Event type fe.
IDC Error ellipse: s-maj=28.2km s-min=12.1km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=21.0km s-min=8.2km az=72.0. Felt [II] at Santa Maria de Nieva.

(366) Turkey

ISC	**XI**	**12 14 03 17.4–.42**	**38.89N–.01**	**35.53E–.01**	**2–3**	**4.7b,4.5s**	**762**	**0-147**
ISCJB	XI	12 14 03 15.9–.38	38.91N–.01	35.52E–.01	2–2	4.7b,4.5s		¶13399910
DDA	XI	12 14 03 15.6	38.86N	35.54E	10–1	4.8L,4.5s		
ISK	XI	12 14 03 15.0	38.83N	35.56E	5	4.9L,4.5s		
TEH	XI	12 14 03 16.7	38.84N	35.54E	5	4.9L,4.5s		
CSEM	XI	12 14 03 16.7–.09	38.85N	35.57E	2	5.0b,4.6W		
IDC	XI	12 14 03 16.1–.55	38.70N	35.53E	0	4.4s,4.4		
MOS	XI	12 14 03 17.3–1.3	38.95N	35.52E	11	4.8b,4.2s		
NEIC	XI	12 14 03 18.3–.31	38.84N	35.52E	10	4.9L,4.8b		
NIC	XI	12 14 03 18.4–.20	39.08N	35.54E	36	5.0b,4.8L		
BJI	XI	12 14 03 20.4	38.90N	35.50E	33	5.0s,5.0b		
GCMT	XI	12 14 03 21.2–.20	38.92N	35.46E	17–1	5.1W,5.0b		
SZGRF	XI	12 14 03 24.5	39.14N	35.43E	33	4.4b,5.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=13.4.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=22.0.
IDC Error ellipse: s-maj=12.7km s-min=8.4km az=11.0.
MOS Error ellipse: s-maj=5.7km s-min=3.4km az=113.3.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.4km az=177.0. Felt at Kayseri.
NIC Central Turkey 8 km. E. Erkilet. Moment Tensor Solution. $M_0$1.20000×10^{15}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c44; s84,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.15±.15 $M_{\theta\theta}$-4.38±.12; $M_{\phi\phi}$5.53±.14; $M_{r\theta}$1.61±.33; $M_{\theta\phi}$0.65±.09; $M_{\phi r}$-0.69±.30; Best double couple: NP1:ϕ_s227.00000°,δ70.00000°,λ-13.00000°. NP2:ϕ_s321.00000°,δ78.00000°,λ-160.00000°. Principal axes: T 5.6200,Plg5.0000° ,Azm93.0000°; N -0.5100,Plg67.0000°,Azm351.0000°; P -5.1100,Plg23.0000° ,Azm185.0000° $M_0$5.40000×10^{16}
SZGRF Turkey.

(543) Germany

ISC	**XI**	**12 20 56 54.8–.26**	**51.46N–.01**	**6.54E–.02**	**0**		**368**	**0-8**
ISCJB	XI	12 20 56 53.9–.26	51.40N–.01	6.62E–.02	0			¶11474877
UCC	XI	12 20 56 55.4–.49	51.54N	6.58E	8–4	2.8L		
BUG	XI	12 20 56 55.3	51.47N	6.59E	1	2.7L		
CSEM	XI	12 20 56 55.5–.13	51.47N	6.57E	10–0	3.5L,3.2s		
BGR	XI	12 20 56 56.5–.40	51.46N	6.62E	1	3.0L,3.2s		
LDG	XI	12 20 56 56.2–.06	51.51N	6.57E	1–0	3.4L,3.2s		
NEIC	XI	12 20 56 56.5	51.46N	6.62E	1	3.4L,3.0L		
BNS	XI	12 20 56 56.6–1.6	51.48N	6.59E	2–26	2.7L,3.0L		
VIE	XI	12 20 56 59.6–.52	51.34N	7.01E	1–0	3.2s,2.6b		
STR	XI	12 20 57 02.0–.17	51.18N	6.87E	10–0	3.4L,2.6b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.4km s-min=1.8km az=37.7.
UCC Event type ki.
BNS Event type fi. Felt in Moers (IV) and Kamp-Lintfort (III).
CSEM Event type ki. Error ellipse: s-maj=2.8km s-min=1.9km az=144.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=129.0.
LDG Event type sr. Error ellipse: s-maj=1.3km s-min=0.9km az=153.0. Suspected Mining induced.
NEIC Event type se. After SZGRF.
BNS Event type ki.
VIE Error ellipse: s-maj=4.1km s-min=2.7km az=146.0. 13 km S of Essen .
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(337) Eastern Caucasus

ISC	**XI**	**13 02 52 27.7–.39**	**43.20N–.03**	**46.14E–.02**	**9–3**		**99**	**0-3**
MOS	XI	13 02 52 26.5–1.2	43.22N	46.16E	9	3.9b		¶13836576
CSEM	XI	13 02 52 26.5	43.22N	46.16E	9	3.9b		
ISCJB	XI	13 02 52 27.0–.40	43.17N–.03	46.11E–.02	2–4	3.9b		

ISC Event type fe.
MOS Event type fe. Felt (III) at Hasavyurt; (II-III) at Groznyi. Moment Tensor Solution.
CSEM After OBN.
ISCJB Event type fe.

(244) Taiwan

ISC	**XI**	**13 04 09 19.6–.30**	**23.55N–.02**	**121.61E–.02**	**24–2**		**120**	**0-3**
NEIC	XI	13 04 09 16.7–2.1	23.49N	121.77E	10	3.5		¶11451593
ISCJB	XI	13 04 09 19.3–.30	23.54N–.02	121.63E–.02	26–2	3.5		
TAP	XI	13 04 09 19.8	23.57N	121.55E	32–0	4.1L		
JMA	XI	13 04 09 20.5–.40	23.62N	121.62E	65	3.5		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=24.6km s-min=8.6km az=119.0. Recorded [2 TAP] in T'ai-tung and [1 TAP] in Hua-lien.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=41.5.
TAP B.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.

(34) Off coast of northern California

ISC	**XI**	**13 05 03 52.0–1.6**	**40.47N–.05**	**125.21W–.09**	**3–8**		**26**	**1-84**
ISCJB	XI	13 05 03 51.2–1.4	40.44N–.05	125.24W–.09	9–9			¶11451597
NEIC	XI	13 05 03 54.0	40.45N	125.33W	23	4.0W		
IDC	XI	13 05 04 01.1–3.7	40.65N	124.15W	0	3.9,3.6b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=7.8km az=177.4.
NEIC Event type fe. Felt at Alderpoint. After NCEDC. Moment Tensor Solution. $M_0$1.30000×10^{15}
IDC Error ellipse: s-maj=46.6km s-min=25.6km az=60.0.

(77) Off coast of Costa Rica

ISC	**XI**	**13 09 49 51.9–.17**	**10.85N–.03**	**86.07W–.02**	**54**	**5.2b,5.0s**	**859**	**0-166**
IDC	XI	13 09 49 45.2–.45	11.12N	85.79W	0	5.0,4.9s		¶13400018
CASC	XI	13 09 49 48.2–3.4	10.68N	86.31W	14–15	5.4b,5.2L		
ISCJB	XI	13 09 49 49.9–.17	10.83N–.03	86.15W–.02	52	5.2b,5.0s		
MOS	XI	13 09 49 51.6–1.3	11.11N	85.94W	53	5.5b,5.2s		
NEIC	XI	13 09 49 51.9–.19	10.84N	86.12W	53	5.4b,5.3W		
GCMT	XI	13 09 49 52.6–.20	10.49N	86.46W	30–0	5.4W,5.3W		
BJI	XI	13 09 49 54.9	10.81N	86.65W	85	5.5s,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=22.2km s-min=11.3km az=61.0.
CASC Error ellipse: s-maj=8.9km s-min=8.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=1.7km az=28.0.
MOS Error ellipse: s-maj=10.3km s-min=4.6km az=111.1.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=2.6km az=218.0. Felt at Liberia. Moment Tensor Solution. s63 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s141.00000°,δ48.00000°,λ81.00000°. NP2: ϕ_s334.00000°,δ42.00000°,λ100.00000°. Principal axes: T 1.0100,Plg82.0000°,Azm350.0000° ; N 0.0100,Plg6.0000°,Azm146.0000°; P -1.0200,Plg2.0000°,Azm237.0000° $M_0$1.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s90,c158; s95,c172; Moment tensor: Scale 10^{17}Nm; M_{rr}1.18±.03 $M_{\theta\theta}$-0.83±.02; $M_{\phi\phi}$-0.35±.02; $M_{r\theta}$0.95±.03; $M_{\theta\phi}$0.72±.02; $M_{\phi r}$-0.58±.03; Best double couple: NP1:ϕ_s310.00000°,δ24.00000°,λ96.00000°. NP2:ϕ_s123.00000°,δ66.00000°,λ87.00000°. Principal axes: T 1.6000,Plg69.0000° ,Azm27.0000°; N 0.1700,Plg3.0000°,Azm124.0000°; P -1.7700,Plg21.0000°,Azm215.0000° $M_0$1.70000×10^{17}

(162) South Island

WEL	**XI**	**13 14 26 51.0–.16**	**41.98S**	**171.82E**	**5**	**3.6L**		
								¶11521837

WEL Event type fe. Error ellipse: s-maj=2.0km s-min=1.1km az=90.0. Felt in the West Coast region, maximum reported intensity MM 5.

(90) Puerto Rico region

ISC	**XI**	**13 14 52 59.5–1.3**	**19.37N–.02**	**66.32W–.03**	**17–8**	**4.4b,3.8s**	**225**	**1-161**
IDC	XI	13 14 52 56.3–.55	19.44N	66.31W	0	4.4,4.3		¶11451613
ISCJB	XI	13 14 52 58.4–.91	19.43N–.03	66.31W–.03	20–7	4.4b,3.8s		
RSPR	XI	13 14 53 00.5	19.48N	66.35W	15–5	4.7,3.8s		
NEIC	XI	13 14 53 00.5	19.48N	66.35W	15	4.7,4.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=12.9km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.7km az=38.0.
RSPR Event type ke.
NEIC Event type fe. Felt [II] at San Juan. After RSPR.

(73) El Salvador

ISC	**XI**	**13 20 14 20.0–.58**	**12.85N–.06**	**88.80W–.05**	**53–9**	**3.8b,3.0s**	**50**	**1-148**
ISCJB	XI	13 20 14 19.2–.56	12.87N–.07	88.79W–.05	65–8	3.8b,3.0s		¶12073447
CASC	XI	13 20 14 19.6–1.7	12.84N	88.83W	35–999	4.1L,3.0s		
NEIC	XI	13 20 14 23.1–1.1	13.04N	88.60W	88–11	3.9,3.0s		
IDC	XI	13 20 14 24.2–3.3	13.05N	88.66W	97–28	3.7,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.2km s-min=4.1km az=33.7.
CASC Error ellipse: s-maj=8.7km s-min=4.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=21.7km s-min=10.5km az=48.0. Felt [II] at San Salvador.
IDC Error ellipse: s-maj=53.1km s-min=24.7km az=58.0.

(80) Panama-Costa Rica border region

ISC	**XI**	**14 00 26 26.8–.96**	**8.02N–.05**	**82.85W–.03**	**14–5**	**4.1b,3.4s**	**89**	**1-154**
CASC	XI	14 00 26 25.3–3.1	8.05N	82.84W	0–27	4.7b,4.6		¶12073471
ISCJB	XI	14 00 26 26.7–1.1	7.99N–.05	82.81W–.04	28–7	4.1b,3.4s		
NEIC	XI	14 00 26 27.7–1.3	8.06N	82.84W	22–9	4.7b,4.7		
IDC	XI	14 00 26 36.8–3.0	8.44N	82.71W	88–26	4.0,4.0		

ISC Event type fe.
CASC Error ellipse: s-maj=30.9km s-min=13.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.2km az=26.4.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=4.9km az=209.0. Felt at Puerto Armuelles, Panama.
IDC Error ellipse: s-maj=26.7km s-min=14.6km az=41.0.

(25) Vancouver Island region

ISC	**XI**	**14 05 25 53.5–.76**	**50.19N–.04**	**127.97W–.08**	**22–4**		**60**	**0-28**
IDC	XI	14 05 25 49.8–1.8	50.11N	128.11W	0	3.8,3.6		¶11473020
ISCJB	XI	14 05 25 51.8–.82	50.15N–.04	128.06W–.08	30–4	3.8,3.6		
PGC	XI	14 05 25 51.4–.27	50.05N	128.09W	28–0	3.8L,3.6		
NEIC	XI	14 05 25 51.4	50.05N	128.09W	28	3.8L,3.6		

ISC Event type fe.
IDC Error ellipse: s-maj=38.1km s-min=8.4km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.1km az=152.5.
PGC Event type fe. 86km southwest of Pt. Hardy, Bc Vancouver Island Region Felt (I) at Port Alice, British Columbia.
NEIC Event type se. After PGC.

(135) Near coast of central Chile

ISC	**XI**	**14 06 11 57.1–.91**	**33.59S–.05**	**71.23W–.09**	**66–12**		**44**	**0-3**
ISCJB	XI	14 06 11 56.6–.93	33.59S–.05	71.21W–.09	70–12			¶11473021
NEIC	XI	14 06 11 56.5	33.58S	71.17W	72	3.9		
GUC	XI	14 06 11 56.5–.64	33.58S	71.17W	72–4	3.9L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=7.8km az=174.5.
NEIC Event type fe. Felt [II] at Santiago. After GUC.
GUC Error ellipse: s-maj=1.9km s-min=3.5km az=-1.0.

(159) North Island

WEL	**XI**	**14 06 48 48.6–.11**	**39.66S**	**176.76E**	**40–2**	**3.6L**		
								¶11521855

WEL Event type fe. Error ellipse: s-maj=2.0km s-min=0.9km az=90.0. Felt in the Hawke''s Bay region, maximum reported intensity MM 4.

(162) South Island

ISC	**XI**	**14 07 01 35.5–.32**	**41.89S–.03**	**172.74E–.05**	**90–5**	**3.6b**	**69**	**0-150**
IDC	XI	14 07 01 20.3–8.3	40.06S	174.61E	0	3.8,3.7		¶11521856
ISCJB	XI	14 07 01 34.3–.32	41.88S–.03	172.73E–.05	98–4	3.6b,3.7		
WEL	XI	14 07 01 36.0–.23	41.82S	172.70E	88–2	4.3L,3.7		

ISC Event type fe.
IDC Error ellipse: s-maj=523.3km s-min=45.9km az=32.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.5km az=40.9.

WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.4km az=90.0. Felt in the West Coast region, maximum reported intensity MM 4.

(136) Central Chile

ISC	**XI**	**14 08 04 06.7–.64**	**28.10S–.04**	**70.7W–.20**	**50–10**		**26**	**0-152**
ISCJB	XI	14 08 04 06.0–.66	28.10S–.04	70.7W–.20	55–9			**¶11473022**
GUC	XI	14 08 04 06.1–.54	28.10S	70.72W	47–6	4.3L,3.8		
NEIC	XI	14 08 04 06.1	28.10S	70.72W	47	3.8,3.8		
IDC	XI	14 08 05 43.1–5.4	17.99S	65.16W	551–34	2.6b,2.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=27.5km s-min=5.2km az=7.8.
GUC Error ellipse: s-maj=1.3km s-min=6.2km az=-1.0.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla; [II] at Caldera and Chanaral. After GUC.
IDC Error ellipse: s-maj=277.4km s-min=33.2km az=19.0.

(238) Ryukyu Islands

JMA	**XI**	**14 10 42 41.1–.10**	**27.98N**	**130.20E**	**50–1**	**3.5**		
NIED	XI	14 10 42 00	28.00N	130.20E	41	3.7W		**¶11750595**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ80.00000°,λ156.00000°. NP2:ϕ_s96.00000°,δ67.00000°,λ11.00000°. M_o3.36000×10^{14}

(383) Northwestern Balkan Peninsula

ISC	**XI**	**14 13 26 05.3–.28**	**42.55N–.01**	**18.52E–.01**	**5–2**	**4.1b,3.6s**	**770**	**0-98**
SZGRF	XI	14 13 25 55.9	41.55N	18.72E	10	4.1b,3.6s		**¶13400159**
TIR	XI	14 13 26 01.7–3.3	42.71N	18.85E	0–15	4.4L,3.6s		
IDC	XI	14 13 26 02.5–.71	42.56N	18.38E	0	4.0,4.0		
BJI	XI	14 13 26 02.5	42.50N	18.60E	13	4.8s,4.8b		
ISCJB	XI	14 13 26 03.9–.25	42.57N–.01	18.48E–.01	9–1	4.1b,3.6s		
MOS	XI	14 13 26 03.0–1.1	42.50N	18.44E	12	4.3b,3.6s		
PDG	XI	14 13 26 04.2–.11	42.57N	18.56E	19–0	4.2,4.1L		
CSEM	XI	14 13 26 04.6–.09	42.55N	18.51E	2	4.4s,4.3b		
NEIC	XI	14 13 26 04.7	42.58N	18.56E	11	4.2b,4.2W		
LDG	XI	14 13 26 05.0–.16	42.57N	18.65E	10–0	4.6L,4.2W		
BEO	XI	14 13 26 05.0–.42	42.61N	18.54E	3–2	4.2L,4.2W		
SKO	XI	14 13 26 05.2	42.65N	18.46E	0	4.2L,4.2W		
PRU	XI	14 13 26 06.8	42.62N	18.68E	0	4.2,4.2W		
VIE	XI	14 13 26 07.3–.61	42.64N	18.51E	10–0	4.4s,4.0L		
THE	XI	14 13 26 07.7	42.59N	18.68E	6–4	3.9L,4.0L		

ISC Event type fe.
SZGRF Adriatic Sea.
TIR Error ellipse: s-maj=25.0km s-min=24.0km az=-1.0.
IDC Error ellipse: s-maj=11.8km s-min=9.6km az=32.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.5km az=36.4.
MOS Error ellipse: s-maj=4.6km s-min=3.0km az=100.5.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=27.0.
NEIC Event type fe. Felt at Dubrovnik, Croatia. After PDG. Moment Tensor Solution. M_o2.20000×10^{15}
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=18.0.
VIE Error ellipse: s-maj=5.0km s-min=4.0km az=19.0. 78 km NNW of Shkoder .
THE Event type ke. Error ellipse: s-maj=5.6km s-min=1.1km az=259.0.

(159) North Island

ISC	**XI**	**14 14 14 13.8–.35**	**38.37S–.03**	**176.18E–.05**	**170–3**	**3.8b**	**143**	**0-154**
ISCJB	XI	14 14 14 12.6–.37	38.37S–.03	176.20E–.05	179–3	3.8b		**¶11473029**
IDC	XI	14 14 14 12.6–.50	38.58S	176.28E	157–6	3.7,3.6		
NEIC	XI	14 14 14 14.7	38.27S	176.23E	160	3.9b,3.6		
BJI	XI	14 14 14 14.6	38.30S	176.20E	160	3.9b,3.6		
WEL	XI	14 14 14 15.0–.22	38.28S	176.25E	157–1	5.2L,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.5km az=8.1.
IDC Error ellipse: s-maj=26.0km s-min=15.5km az=133.0.
NEIC Event type fe. Felt in the Eskdale-Havelock North area and at Palmerston North, Rotorua and Wellington. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.2km s-min=1.0km az=90.0. Felt between Auckland, Canterbury and Gisborne, maximum reported intensity MM. 4.

(224) Hokkaido region

ISC	**XI**	**14 19 14 55.8–.27**	**42.34N–.03**	**143.11E–.04**	**61–2**	**4.4b**	**195**	**0-114**
NIED	XI	14 19 14 00	42.40N	143.10E	56	4.2W		**¶13400190**
ISCJB	XI	14 19 14 54.7–.26	42.34N–.03	143.08E–.04	66–2	4.3b		
MOS	XI	14 19 14 54.5–.91	42.34N	143.03E	68	4.5b		
NEIC	XI	14 19 14 54.6–.31	42.45N	143.12E	49	4.5b,4.2W		
BJI	XI	14 19 14 54.1	42.46N	143.20E	72	5.0b,4.6b		
IDC	XI	14 19 14 55.1–.68	42.47N	143.08E	50–7	4.0,3.9		
JMA	XI	14 19 14 56.1–.10	42.36N	143.12E	51–1	4.1,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ67.00000°,λ85.00000°. NP2:ϕ_s217.00000°,δ24.00000°,λ102.00000°. M_o2.61000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.7km az=135.4.
MOS Error ellipse: s-maj=9.8km s-min=6.5km az=94.8.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=5.6km az=128.0. Recorded [2 JMA] in southern Hokkaido. Moment Tensor Solution. M_o2.60000×10^{15}
IDC Error ellipse: s-maj=17.5km s-min=12.2km az=131.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s252.00000°,δ46.00000°,λ138.00000°. NP2: ϕ_s14.00000°,δ62.00000°,λ52.00000°. Principal axes: T Plg56.0000°,Azm233.0000° ; N Plg33.0000°,Azm34.0000°; P Plg9.0000°,Azm130.0000°

(159) North Island

ISC	**XI**	**15 00 22 00.5–.31**	**40.93S–.03**	**175.62E–.04**	**27–3**	**3.3b**	**64**	**0-152**
ISCJB	XI	15 00 22 00.2–.32	40.94S–.03	175.62E–.04	32–3	3.3b		**¶11521881**
NEIC	XI	15 00 22 00.9	40.89S	175.56E	27	4.1L		
WEL	XI	15 00 22 00.9–.07	40.90S	175.56E	27–1	4.1L		
IDC	XI	15 00 22 01.7–8.8	39.69S	174.93E	0	3.7,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.5km az=38.5.
NEIC Event type fe. Felt [IV] at Carterton and Masterton. Also felt in the Kapiti area. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.9km az=90.0. Felt between Manawatu, Wellington and Wairarapa, maximum reported intensity. MM 5.
IDC Error ellipse: s-maj=556.5km s-min=48.3km az=30.0.

(238) Ryukyu Islands

ISC	**XI**	**15 04 52 58.2–.43**	**26.13N–.06**	**126.88E–.06**	**77–5**	**3.8b**	**34**	**0-72**
IDC	XI	15 04 52 49.3–13	26.21N	126.98E	0	3.9b,3.9		**¶12073592**
ISCJB	XI	15 04 52 57.3–.43	26.15N–.07	126.86E–.06	82–5	3.8b,3.9		
JMA	XI	15 04 52 58.5–.10	26.11N	126.88E	74–1	3.4,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=384.3km s-min=139.2km az=10.0.
ISCJB Event type fe. Error ellipse: s-maj=13.8km s-min=4.0km az=142.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

(277) Jawa

ISC	**XI**	**15 09 04 03.9–.54**	**7.35S–.06**	**106.51E–.04**	**82–5**	**3.9b**	**61**	**0-150**
IDC	XI	15 09 03 53.8–.78	7.01S	106.50E	0	3.8,3.7		**¶12073611**
NEIC	XI	15 09 03 57.7–.51	7.40S	106.13E	35	4.1b,3.7		
ISCJB	XI	15 09 04 02.3–.51	7.44S–.06	106.48E–.04	79–6	3.9b,3.7		
DJA	XI	15 09 04 02	7.48S	106.47E	27	4.7,3.7		

ISC Event type fe.
IDC Error ellipse: s-maj=40.7km s-min=15.3km az=53.0.
NEIC Event type fe. Error ellipse: s-maj=17.1km s-min=10.0km az=222.0. Felt [II] at Cisarua and Sukabumi.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=4.3km az=25.7.

(43) Southern California

ISC	**XI**	**15 09 52 51.1–.31**	**34.43N–.02**	**119.01W–.02**	**26–3**		**70**	**0-5**
ISCJB	XI	15 09 52 50.9–.30	34.43N–.02	119.01W–.02	31–3			**¶11473034**
NEIC	XI	15 09 52 51.0	34.45N	119.01W	27	3.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=141.2.
NEIC Event type fe. Felt [III] at Camarillo; [II] at Fillmore and Newbury Park. Also felt at Agoura Hills, Los Angeles, Moorpark, Ojai, Santa Clarita, Santa Paula, Simi Valley, Thousand Oaks, Ventura, West Hills, Westlake Village and Woodland Hills. After PAS.

(448) Gaspe Peninsula

ISC	**XI**	**15 10 52 53.4–.34**	**47.73N–.02**	**69.74W–.03**	**12–2**	**3.5b,2.9s**	**107**	**0-149**
IDC	XI	15 10 52 51.8–1.0	47.76N	69.87W	0	3.9,3.7		**¶11453191**
BJI	XI	15 10 52 51.4	47.70N	69.70W	10	5.3s,5.3b		
ISCJB	XI	15 10 52 53.3–.36	47.72N–.03	69.73W–.03	21–2	3.5b,2.9s		
NEIC	XI	15 10 52 53.4	47.74N	69.71W	20	4.2,4.2		
OTT	XI	15 10 52 54.4–.19	47.74N	69.74W	13–1	4.2,4.2		

ISC Event type fe.
IDC Error ellipse: s-maj=21.3km s-min=8.5km az=134.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=144.7.
NEIC Event type fe. Widely felt in the St. Lawrence Valley region. Felt at Van Buren, Maine. After OTT. Moment Tensor Solution. M_o2.90000×10^{14}
OTT Event type fe. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 17km southwest from Riviere-du-Loup, Qc, Felt Charlevoix Seismic Zone, Qc.

(277) Jawa

ISC	**XI**	**15 13 00 50.3–.38**	**7.54S–.04**	**106.48E–.03**	**90–3**	**4.5b**	**165**	**1-150**
BJI	XI	15 13 00 36.2	7.69S	106.95E	10	5.0b,4.7b		**¶11453196**
IDC	XI	15 13 00 40.4–.89	7.15S	106.62E	0	4.5,4.4		
MOS	XI	15 13 00 44.2–1.2	7.11S	106.69E	38	5.0b,4.4		
NEIC	XI	15 13 00 48.0–.90	7.19S	106.64E	60–8	4.5b,4.4		
ISCJB	XI	15 13 00 49.1–.40	7.54S–.04	106.47E–.03	96–3	4.5b,4.4		
DJA	XI	15 13 00 50.2–.20	8S–3.0	106E–2.0	70–3	5.5b,5.1b		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Pelabuhanratu.
ISCJB Event type fe.

(396) Northern Algeria

ISC	**XI**	**15 13 56 00.6–.40**	**36.23N–.03**	**2.62E–.03**	**10**	**3.3b**	**240**	**0-58**
NEIC	XI	15 13 55 58.9–.67	36.04N	2.71E	10	4.1		**¶11490440**
CSEM	XI	15 13 55 59.3–.31	36.05N	2.65E	10	4.2L		
ISCJB	XI	15 13 55 59.1–.41	36.28N–.03	2.61E–.03	10	3.3b		
MDD	XI	15 13 55 59.8–.76	36.04N	2.73E	8–11	4.1b		
IDC	XI	15 13 55 59.0–1.5	36.42N	2.79E	0	3.4L,3.3b		
CRAAG	XI	15 13 55 59.2	36.03N	2.66E		4.2L,3.3b		

ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.1km az=167.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.4km az=159.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=168.1.
MDD Event type fe. Error ellipse: s-maj=16.3km s-min=5.4km az=136.0. EMS: IV INTENSIDAD MAXIMA-CRAAG. PRIMO.
IDC Error ellipse: s-maj=30.3km s-min=27.9km az=150.0.

(359) Bulgaria

ISC	**XI**	**15 20 08 20.1–.35**	**42.68N–.01**	**23.27E–.02**	**7–2**	**3.5b**	**372**	**0-77**
ISCJB	XI	15 20 08 18.8–.35	42.70N–.01	23.26E–.02	5–2	3.5b		**¶14259787**
CSEM	XI	15 20 08 19.5–.07	42.67N	23.29E	2	3.9L		
SOF	XI	15 20 08 19.0	42.65N	23.34E	10	3.7		
SKO	XI	15 20 08 19.6	42.71N	23.42E	9	4.2L,3.9		
BEO	XI	15 20 08 19.0–.29	42.67N	23.35E	5–1	3.6L,3.9		
IDC	XI	15 20 08 19.3–.96	42.68N	23.29E	0	3.6b,3.4		
NEIC	XI	15 20 08 20.0	42.68N	23.21E	8	3.9L,3.5L		
THE	XI	15 20 08 21.1	42.61N	23.25E	5–1	3.9L,3.5L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=168.4.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=77.0.
IDC Error ellipse: s-maj=13.2km s-min=11.6km az=141.0.
NEIC Event type fe. Felt at Sofia. After BUC.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=343.0.

(307) Sichuan

ISC	**XI**	**15 22 59 49.9–.69**	**32.13N–.02**	**104.75E–.02**	**6–4**	**4.7b,4.4s**	**369**	**1-139**
ISCJB	XI	15 22 59 47.3–.69	32.15N–.02	104.77E–.02	1–4	4.8b,4.4s		**¶11453218**
IDC	XI	15 22 59 48.4–.43	32.10N	104.70E	0	4.6,4.6		
BJI	XI	15 22 59 49.0	32.15N	104.81E	11	5.0s,5.0L		
NEIC	XI	15 22 59 50.5–.15	32.14N	104.75E	10	4.8b,5.0L		
MOS	XI	15 22 59 51.1–.87	32.09N	104.81E	30	5.0b,4.1s		
GCMT	XI	15 22 59 52.2–.30	32.14N	104.74E	29–1	5.0W,4.1s		
DJA	XI	15 22 59 59	32.27N	104.78E	81	4.8b,4.1s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=173.6.
IDC Error ellipse: s-maj=11.6km s-min=9.6km az=34.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=57.0. Felt at Chengdu.
MOS Error ellipse: s-maj=7.3km s-min=4.6km az=110.7.
GCMT Event type se. Data Used: IU II G IC. Moment Tensor Solution. s16,c17; s57,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}1.18±.20 $M_{\theta\theta}$-2.13±.15; $M_{\phi\phi}$0.95±.14; $M_{r\theta}$-0.11±.20; $M_{\theta\phi}$3.09±.11; $M_{\phi r}$0.34±.20; Best double couple: NP1:ϕ_s77.00000°,δ83.00000°,λ3.00000°. NP2:ϕ_s346.00000°,δ87.00000°,λ172.00000°. Principal axes: T 2.9000,Plg8.0000° ,Azm301.0000°; N 1.1600,Plg82.0000°,Azm143.0000°; P -4.0600,Plg3.0000°,Azm32.0000° M_o3.50000×10^{16}

(73) El Salvador

ISC	**XI**	**15 23 03 19.3–.13**	**13.14N–.02**	**88.81W–.02**	**72**	**5.2b**	**746**	**0-174**
MEX	XI	15 23 03 14.3–.38	12.20N	89.10W	65–51	5.0		**¶13400293**
BJI	XI	15 23 03 16.5	13.00N	88.90W	49	5.9s,5.8		
NEIC	XI	15 23 03 16.6–.22	13.05N	88.75W	48	6.0,5.7W		
ISCJB	XI	15 23 03 17.4–.13	13.13N–.02	88.82W–.02	70	5.2b,5.7W		
CASC	XI	15 23 03 18.7–2.3	12.99N	89.03W	43–24	5.5L,5.4b		
IDC	XI	15 23 03 20.1–.55	13.32N	88.53W	74–3	5.2s,5.2		
GCMT	XI	15 23 03 20.7–.10	12.97N	89.08W	64–1	5.8W,5.2		
MOS	XI	15 23 03 21.4–1.1	13.32N	88.61W	99	5.3s,5.2b		
SZGRF	XI	15 23 03 26.6	13.86N	85.41W	33	4.9b,5.2b		

ISC Event type fe.
MEX Error ellipse: s-maj=19.6km s-min=19.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.9km az=40.0. Felt [VI] at La Libertad and San Salvador; [V] at Antiguo Cuscatlan and Nueva San Salvador; [IV] at Mejicanos. Also felt at Ayutuxtepeque, Chinameca, Colon, Delgado, Ilopango, Quezaltepeque, San Marcos, Sensuntepeque, Soyapango and Zacatecoluca. Felt [III] at Tegucigalpa, Honduras. Also felt at San Pedro Sula. Felt [II] at Managua, Nicaragua. Felt at Antigua Guatemala, Guatemala and Panajachel, Guatemala. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s114 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.20 $M_{\theta\theta}$0.17 $M_{\phi\phi}$1.03 $M_{r\theta}$4.18 $M_{\theta\phi}$-0.59 $M_{\phi r}$-2.84 Best double couple: NP1:ϕ_s173.00000°,δ9.00000°,λ-43.00000°. NP2:ϕ_s305.00000° ,δ84.00000°,λ-97.00000°. Principal axes: T 5.1200,Plg38.0000°,Azm41.0000° ; N 0.1900,Plg6.0000°,Azm306.0000°; P -5.3000,Plg50.0000°,Azm207.0000° M_o5.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=1.8km az=35.0.
CASC Error ellipse: s-maj=6.2km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=13.4km s-min=7.6km az=67.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=228, per= 50. Moment Tensor Solution. s108,c240; s30,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}0.19±.06 $M_{\theta\theta}$-1.15±.06; $M_{\phi\phi}$0.97±.07; $M_{r\theta}$5.24±.06; $M_{\theta\phi}$0.94±.05; $M_{\phi r}$-3.52±.06; Best double couple: NP1:ϕ_s245.00000°,δ7.00000°,λ30.00000°. NP2:ϕ_s125.00000°,δ87.00000°,λ96.00000°. Principal axes: T 5.8100,Plg48.0000°,Azm42.0000°; N 1.1700,Plg6.0000°,Azm305.0000° ; P -6.9800,Plg41.0000°,Azm210.0000° M_o6.40000×10^{17}
MOS Error ellipse: s-maj=6.9km s-min=4.3km az=98.2.
SZGRF Nicaragua.

(224) Hokkaido region

ISC	**XI**	**16 00 10 44.2–.74**	**42.81N–.06**	**145.01E–.06**	**42–5**	**3.8b**	**69**	**0-84**
ISCJB	XI	16 00 10 43.2–.73	42.79N–.06	145.01E–.06	50–5	3.8b		**¶12073686**
MOS	XI	16 00 10 43.2–1.1	42.72N	144.94E	56	4.3b		
JMA	XI	16 00 10 44.1	42.83N	145.01E	47–1	3.8		
NEIC	XI	16 00 10 45.9–.95	42.76N	144.88E	62–8	4.0b		
IDC	XI	16 00 10 46.2–2.6	42.71N	144.94E	68–19	3.7,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.3km az=151.4.
MOS Error ellipse: s-maj=17.6km s-min=12.0km az=84.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.0km az=157.0.
IDC Error ellipse: s-maj=24.3km s-min=15.3km az=0.0.

(224) Hokkaido region

ISC	**XI**	**16 01 49 52.3–.55**	**41.53N–.04**	**143.47E–.05**	**39–5**	**4.2b,3.3s**	**115**	**1-147**
NIED	XI	16 01 49 00	41.50N	143.50E	23	4.0W,3.3s		**¶11750678**
MOS	XI	16 01 49 50.7–.94	41.48N	143.39E	44	4.5b,3.3s		
ISCJB	XI	16 01 49 50.7–.57	41.48N–.04	143.52E–.05	44–4	4.2b,3.3s		
JMA	XI	16 01 49 51.6–.20	41.51N	143.45E	46–3	4.2,3.3s		
NEIC	XI	16 01 49 53.4–.64	41.49N	143.35E	51–5	4.3b,3.3s		
IDC	XI	16 01 49 53.5–.67	41.47N	143.34E	52–5	4.0,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s281.00000°,δ58.00000°,λ-84.00000°. NP2:ϕ_s90.00000°,δ32.00000°,λ-99.00000°. M_o1.27000×10^{15}

MOS Error ellipse: s-maj=13.6km s-min=7.8km az=81.2.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=4.0km az=38.4.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.9km az=128.0. Recorded [1 JMA] in southern Hokkaido.
IDC Error ellipse: s-maj=14.1km s-min=9.6km az=87.0.

(592) South Australia

ISC	**XI**	**16 02 02 16.9–.51**	**31.23S–.04**	**138.60E–.05**	**10**		**40**	**3-18**
ISCJB	XI	16 02 02 14.7–.57	31.21S–.05	138.67E–.05	10			**¶11750679**
IDC	XI	16 02 02 16.7–3.2	31.13S	138.75E	0	4.1,3.9		
NEIC	XI	16 02 02 18.0	31.40S	138.73E	19	4.2L,3.9		
AUST	XI	16 02 02 18.2	31.40S	138.73E	19	4.2L,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.5km az=40.1.
IDC Error ellipse: s-maj=55.1km s-min=15.4km az=34.0.
NEIC Event type fe. Felt in the Hawker area. After AUST.

(224) Hokkaido region

ISC	**XI**	**16 04 34 19.0–.69**	**42.83N–.05**	**145.04E–.06**	**43–6**	**3.8b**	**39**	**0-69**
NIED	XI	16 04 34 00	42.80N	145.00E	41	3.7W		**¶11750686**
IDC	XI	16 04 34 13.8–2.1	42.86N	145.00E	0	3.8b,3.8		
ISCJB	XI	16 04 34 17.5–.70	42.78N–.05	145.06E–.06	50–5	3.8b,3.8		
JMA	XI	16 04 34 18.8–.10	42.83N	145.01E	47–1	3.7,3.8		
NEIC	XI	16 04 34 19.8–1.5	42.78N	145.06E	55–15	3.9b,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ90.00000°,λ-106.00000°. NP2:ϕ_s98.00000°,δ16.00000°,λ0.00000°. M_o3.44000×10^{14}
IDC Error ellipse: s-maj=48.2km s-min=24.7km az=144.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.6km az=139.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=15.5km az=148.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**16 05 11 30.7–1.1**	**39.00N–.05**	**142.3E–.10**	**54–9**	**3.4b**	**33**	**0-59**
NIED	XI	16 05 11 00	39.00N	142.30E	53	3.5W		**¶14122558**
ISCJB	XI	16 05 11 29.7–1.0	38.98N–.05	142.3E–.10	62–8	3.4b		
JMA	XI	16 05 11 30.3–.10	38.98N	142.30E	53–1	3.6		
NEIC	XI	16 05 11 30.3	38.98N	142.31E	53	3.6		
IDC	XI	16 05 11 33.8–4.2	38.89N	142.22E	89–39	3.2,3.0b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s296.00000°,δ57.00000°,λ65.00000°. NP2:ϕ_s156.00000°,δ40.00000°,λ123.00000°. M_o1.77000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=6.0km az=22.7.
JMA Event type fe.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=33.2km s-min=25.5km az=87.0.

(35) Near coast of northern California

ISC	**XI**	**16 05 43 14.2–1.1**	**40.29N–.03**	**124.67W–.05**	**9–6**	**4.5b,3.8s**	**146**	**1-98**
IDC	XI	16 05 43 13.8–1.4	40.48N	124.34W	0	4.4,4.2		**¶11453284**
ISCJB	XI	16 05 43 14.3–.85	40.33N–.02	124.56W–.05	23–6	4.5b,3.8s		
NEIC	XI	16 05 43 15.0	40.32N	124.61W	20	4.7b,4.6W		
BJI	XI	16 05 43 15.0	40.30N	124.60W	19	5.1b,5.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=28.6km s-min=13.7km az=38.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.5km az=166.2.
NEIC Event type fe. Felt [IV] at Ferndale, Hydesville, Petrolia, Redcrest, Rio Dell, Scotia and Whitethorn; [III] at Eureka, Fortuna, Garberville, Loleta and Myers Flat; [II] at Arcata and Bayside. Felt from Trinidad to Littleriver and at Ukiah. After NCEDC. Moment Tensor Solution. M_o1.00000×10^{16}

(159) North Island

WEL	**XI**	**16 10 01 27.7–.06**	**40.88S**	**175.55E**	**25–0**	**4.0L**	**¶11521913**

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0. Felt from Manawatu to Wellington, maximum reported intensity MM 4.

(1) Central Alaska

NEIC	**XI**	**16 11 18 13.8**	**65.00N**	**149.11W**	**18**	**3.9L,3.4L**	**¶13400337**

NEIC Event type fe. Felt at Fairbanks. After AEIC.

(703) Andaman Islands region

ISC	**XI**	**16 12 20 35.7–.73**	**10.88N–.02**	**91.70E–.02**	**17–4**	**5.2b,5.2s**	**736**	**6-165**
SZGRF	XI	16 12 20 30.0	10.07N	92.29E	17	5.1b,5.1s		**¶11453299**
ISCJB	XI	16 12 20 31.5–.66	10.87N–.02	91.70E–.02	2–4	5.2b,5.2s		
IDC	XI	16 12 20 32.8–.37	10.83N	91.69E	0	5.1,5.1b		
MOS	XI	16 12 20 35.0–.98	10.87N	91.72E	25	5.5b,5.1s		
BJI	XI	16 12 20 35.6	10.93N	91.68E	24	5.4s,5.4b		
NEIC	XI	16 12 20 36.9–1.7	10.83N	91.71E	27–11	5.4b,5.4b		
GCMT	XI	16 12 20 38.8–.10	10.88N	91.82E	12	5.5W,5.4b		
DJA	XI	16 12 20 45	11.12N	92.07E	82	5.4W,5.4b		

ISC Event type fe.
SZGRF Andaman Islands, India, region.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=29.2.
IDC Error ellipse: s-maj=12.5km s-min=8.8km az=48.0.
MOS Error ellipse: s-maj=7.1km s-min=3.9km az=116.1.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=47.0. Felt [IV] at Port Blair.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 102 sta. Moment Tensor Solution. s91,c160; s99,c211; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.87±.02 $M_{\theta\theta}$-0.17±.02; $M_{\phi\phi}$2.04±.02; $M_{r\theta}$0.92±.05; $M_{\theta\phi}$0.55±.02; $M_{\theta r}$-0.30±.05; Best double couple: NP1:ϕ_s216.00000°,δ49.00000°,λ-55.00000°. NP2:ϕ_s350.00000°,δ52.00000°,λ-123.00000°. Principal axes: T 2.1700,Plg1.0000°,Azm103.0000°; N 0.1500,Plg25.0000°,Azm12.0000° ; P -2.3300,Plg65.0000°,Azm196.0000° M_o2.30000×10^{17}

(277) Jawa

ISC	**XI**	**16 13 36 41.5–.40**	**8.84S–.04**	**110.32E–.02**	**75–3**	**4.5b**	**190**	**1-149**
IDC	XI	16 13 36 32.4–.54	8.67S	110.33E	0	4.5,4.4		**¶11453300**
BJI	XI	16 13 36 35.6	9.00S	110.20E	43	5.0b,4.8b		
MOS	XI	16 13 36 36.9–.95	8.61S	110.44E	43	4.8b,4.8b		
NEIC	XI	16 13 36 40.5–1.3	8.77S	110.32E	63–10	4.4b,4.8b		
ISCJB	XI	16 13 36 40.1–.43	8.85S–.04	110.33E–.02	80–3	4.5b,4.8b		
DJA	XI	16 13 36 41.1–.60	9S–3.0	110E–1.0	25–6	5.4b,5.2		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Klaten, Kotagede and Wonosari.
ISCJB Event type fe.

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**16 17 02 32.8–.08**	**1.35N–.01**	**122.16E–.01**	**28**	**7.0s,6.3b**	**1183**	**1-168**
BJI	XI	16 17 02 29.1	1.12N	122.45E	30	7.0s,6.9		**¶11453303**
IDC	XI	16 17 02 30.4–.91	1.21N	122.04E	14–4	6.9s,6.9		
ISCJB	XI	16 17 02 30.8–.08	1.35N–.01	122.18E–.01	27	7.0s,6.3b		
NEIC	XI	16 17 02 32.7–.11	1.27N	122.09E	30	7.4W,7.3W		
MOS	XI	16 17 02 34.1–1.3	1.28N	122.10E	51	7.0s,6.5b		
DJA	XI	16 17 02 35.3–.60	1N–2.0	122E–1.0	36–6	8.0,7.8		
GCMT	XI	16 17 02 43.8–.10	1.50N	122.05E	29–0	7.3W,7.8		
SZGRF	XI	16 17 02 55.5	2.52N	122.30E	33	7.1b,7.8		

ISC Event type de.
IDC Error ellipse: s-maj=7.1km s-min=4.8km az=64.0.
ISCJB Event type de. Error ellipse: s-maj=2.1km s-min=1.9km az=174.9.
NEIC Event type de. Error ellipse: s-maj=4.7km s-min=3.6km az=64.0. At least six people killed, 77 injured, 10,000 people displaced, 1,000 buildings damaged and communications disrupted in the Buol area and in Gorontalo. Felt [VII] at Baolan; [VI] at Gorontalo and Tolitoli; [IV] at Manado and Poso; [III] at Luwuk. Also felt at Kolaka, Kuta, Makasar, Palu and Ujung Bulu. Felt [IV] at Bandar Seri Begawan, Brunei and [II] at Darwin, Australia. Felt at Kunak and Sandakan, Malaysia and at General Santos and Koronadal, Philippines. Complex earthquake, with at least two events about 4 seconds apart observed on broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s270.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s90.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm180.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm360.0000° Moment Tensor Solution. M_o4.30000×10^{19}
MOS Error ellipse: s-maj=7.0km s-min=4.1km az=115.0. Moment Tensor Solution. M_o1.10000×10^{20}
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 122 sta. Surface waves: sta=120, comp=288, per= 50. Moment Tensor Solution. s124,c325; s99,c304; Moment tensor: Scale 10^{20}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\theta r}$0.00 Best double couple: NP1:ϕ_s92.00000°,δ20.00000° ,λ84.00000°. NP2:ϕ_s278.00000°,δ70.00000°,λ92.00000°. Principal axes: T 1.3000,Plg65.0000°,Azm191.0000°; N 0.0400,Plg2.0000°,Azm97.0000° ; P -1.3300,Plg25.0000°,Azm6.0000° M_o1.30000×10^{20}
SZGRF Celebes Sea.

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**16 17 34 39.1–.12**	**1.39N–.02**	**122.17E–.02**	**33**	**6.1s,5.5b**	**525**	**1-164**
BJI	XI	16 17 34 35.7	1.35N	122.32E	25	6.0s,5.8b		**¶11453307**
ISCJB	XI	16 17 34 36.9–.12	1.39N–.02	122.17E–.02	32	6.1s,5.5b		
MOS	XI	16 17 34 37.2–1.1	1.30N	122.09E	35	6.5s,5.8b		
IDC	XI	16 17 34 38.2–.35	1.27N	122.05E	31–2	5.6L,5.6s		
NEIC	XI	16 17 34 38.6–.13	1.29N	122.11E	35	5.6b,5.6s		
DJA	XI	16 17 34 41.2–.20	1N–2.0	122E–1.0	45–3	6.6b,6.4		

ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [IV] at Gorontalo and [III] at Manado.

(265) Minahassa Peninsula, Sulawesi

ISC	**XI**	**16 18 20 35.0–.27**	**1.22N–.02**	**121.84E–.02**	**57–2**	**5.5s,5.4b**	**449**	**1-164**
BJI	XI	16 18 20 26.9	0.99N	122.02E	20	5.9b,5.7s		**¶11453310**
MOS	XI	16 18 20 31.0–.97	1.14N	121.79E	38	5.6b,5.7s		
NEIC	XI	16 18 20 32.4–.15	1.13N	121.78E	35	5.5b,5.7s		
ISCJB	XI	16 18 20 32.7–.33	1.25N–.02	121.84E–.02	51–3	5.5s,5.4b		
IDC	XI	16 18 20 33.6–1.4	1.11N	121.78E	45–12	5.4s,5.4		
DJA	XI	16 18 20 35.2–.20	1N–2.0	122E–1.0	49–4	6.2b,6.0		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Gorontalo.
ISCJB Event type fe.

(144) Southern Chile

ISC	**XI**	**16 19 12 40.5–.39**	**43.58S–.04**	**72.67W–.08**	**10**	**4.6b**	**61**	**1-176**
ISCJB	XI	16 19 12 38.8–.38	43.62S–.03	72.59W–.08	10	4.6b		**¶11473046**
GUC	XI	16 19 12 38.2–.79	43.59S	72.63W	8–6	4.5L		
IDC	XI	16 19 12 44.7–6.9	43.53S	72.34W	33–50	4.4b,4.4		
NEIC	XI	16 19 12 44.7–1.4	43.55S	72.44W	36–11	4.9b,4.5L		
BJI	XI	16 19 12 48.5	43.60S	72.00W	78	5.3s,5.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.6km az=166.8.
GUC Error ellipse: s-maj=4.0km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=28.5km s-min=14.9km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=17.4km s-min=9.1km az=65.0. Felt [IV] at Balmaceda; [III] at La Junta and Puyuguapi; [II] at Chaiten and Futaleufu.

(161) Off west coast of South Island

ISC	**XI**	**16 19 25 49.3–.36**	**40.85S–.04**	**172.79E–.06**	**217–4**	**3.1b**	**104**	**0-151**
IDC	XI	16 19 25 18.3–7.2	40.40S	174.54E	0	3.7,3.5		**¶11521922**
ISCJB	XI	16 19 25 48.5–.35	40.86S–.04	172.78E–.06	221–4	3.1b,3.5		
WEL	XI	16 19 25 50.8–.24	40.84S	172.83E	211–1	4.8L,3.5		

ISC Event type fe.
IDC Error ellipse: s-maj=439.9km s-min=45.5km az=32.0.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.6km az=42.4.
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=1.7km az=90.0. Felt in the Wellington region, maximum reported intensity MM 4.

(249) Luzon

ISC	**XI**	**17 02 44 55.3–.48**	**18.21N–.05**	**121.10E–.08**	**53–6**	**3.7b,3.3s**	**45**	**0-83**
IDC	XI	17 02 44 47.8–.72	18.26N	121.42E	0	4.0,3.8		**¶13400387**
MAN	XI	17 02 44 51	18.39N	120.97E	6	4.8b,3.7s		
ISCJB	XI	17 02 44 54.0–.48	18.24N–.05	121.05E–.07	55–6	3.7b,3.3s		
NEIC	XI	17 02 44 56.1–.94	18.29N	121.30E	65–10	3.9b,3.3s		

ISC Event type fe.
IDC Error ellipse: s-maj=40.1km s-min=15.9km az=63.0.
MAN Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=7.9km az=167.5.
NEIC Event type fe. Error ellipse: s-maj=15.1km s-min=7.7km az=81.0. Felt [II PIVS] at Callao Cave.

(221) Kuril Islands

ISC	**XI**	**17 03 56 00.4–.72**	**43.26N–.05**	**146.50E–.06**	**52–5**	**4.2b**	**132**	**1-93**
NIED	XI	17 03 55 00	43.20N	146.50E	53	3.9W		**¶12073815**
MOS	XI	17 03 55 59.9–1.2	43.26N	146.45E	66	4.8b		
ISCJB	XI	17 03 55 59.4–.68	43.26N–.05	146.50E–.06	60–4	4.2b		
JMA	XI	17 03 55 59.4–.10	43.17N	146.48E	49–1	4.2		
SKHL	XI	17 03 56 00.5–.70	43.23N	146.57E	41–3	5.3b		
NEIC	XI	17 03 56 02.1–1.1	43.28N	146.43E	67–9	4.6b		
IDC	XI	17 03 56 02.2–3.2	43.29N	146.40E	68–29	4.0,4.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ75.00000°,λ90.00000°. NP2:ϕ_s207.00000°,δ15.00000°,λ92.00000°. M_o8.89000×10^{14}
MOS Event type fe. Error ellipse: s-maj=12.3km s-min=8.0km az=99.5. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.1km az=141.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.2km az=159.0.
IDC Error ellipse: s-maj=17.4km s-min=13.3km az=163.0.

(280) Banda Sea

ISC	**XI**	**17 06 01 00.5–.27**	**5.73S–.02**	**128.83E–.02**	**325–2**	**5.3b**	**482**	**2-161**
MOS	XI	17 06 00 55.4–1.1	5.64S	128.76E	283	5.4b		**¶11456708**
BJI	XI	17 06 00 57.0	5.69S	129.01E	311	5.2b,4.9b		
NEIC	XI	17 06 00 58.9–.53	5.66S	128.80E	306–5	5.3b,4.9b		
ISCJB	XI	17 06 00 59.2–.25	5.72S–.02	128.83E–.02	327–2	5.3b,4.9b		
IDC	XI	17 06 01 00.4–.82	5.72S	128.80E	322–7	5.0b,5.0		
DJA	XI	17 06 01 00.1–.10	6S–2.0	129E–1.0	314–2	5.8b,5.8		
GCMT	XI	17 06 01 00.7–.30	5.65S	128.80E	315–1	5.6W,5.8		

ISC Event type fe.
MOS Error ellipse: s-maj=9.4km s-min=5.3km az=108.5.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.1km az=64.0. Felt at Darwin, Australia.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=3.1km az=144.4.
IDC Error ellipse: s-maj=9.9km s-min=5.4km az=76.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c109; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.06 $M_{\theta\theta}$0.79±.10; $M_{\phi\phi}$0.23±.09; $M_{r\theta}$-1.55±.10; $M_{\theta\phi}$-0.24±.09; $M_{\theta r}$1.97±.08; Best double couple: NP1:ϕ_s283.00000°,δ12.00000°,λ-126.00000°. NP2:ϕ_s139.00000°,δ80.00000°,λ-83.00000°. Principal axes: T 2.5100,Plg35.0000° ,Azm223.0000°; N 0.3200,Plg7.0000°,Azm318.0000°; P -2.8300,Plg54.0000°,Azm58.0000° M_o2.70000×10^{17}

(282) South of Jawa

ISC	**XI**	**17 07 02 00.1–.73**	**8.8S–.10**	**110.40E–.04**	**70–10**	**4.0b**	**40**	**1-73**
IDC	XI	17 07 01 49.9–2.3	9.10S	109.92E	0	4.1,4.0		**¶12073830**
NEIC	XI	17 07 01 55.3–1.1	9.05S	110.05E	35	3.7b,4.0		
ISCJB	XI	17 07 01 58.8–.79	8.8S–.10	110.40E–.04	77–10	4.0b,4.0		
DJA	XI	17 07 01 59	8.81S	110.39E	27	4.7,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=114.6km s-min=24.8km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=69.3km s-min=11.3km az=225.0. Felt [II] at Imogiri.
ISCJB Event type fe. Error ellipse: s-maj=18.9km s-min=5.3km az=14.6.

(228) Near east coast of eastern Honshu

ISC	**XI**	**17 10 09 54.1–.34**	**40.86N–.03**	**142.43E–.05**	**76–3**	**4.2b**	**123**	**1-145**
NIED	XI	17 10 09 00	40.90N	142.50E	59	4.4W		**¶11750757**
MOS	XI	17 10 09 52.4–.88	40.82N	142.40E	79	4.7b		
ISCJB	XI	17 10 09 53.2–.35	40.86N–.03	142.41E–.05	85–3	4.2b		
NEIC	XI	17 10 09 54.2–.63	40.84N	142.38E	80–5	4.7b,4.4W		
JMA	XI	17 10 09 54.0–.10	40.85N	142.49E	72–3	4.3,4.4W		
IDC	XI	17 10 09 55.0–.62	40.75N	142.34E	89–5	4.1s,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ78.00000°,λ-14.00000°. NP2:ϕ_s328.00000°,δ76.00000°,λ-167.00000°. M_o4.38000×10^{15}
MOS Error ellipse: s-maj=11.6km s-min=6.9km az=76.3.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.4km az=24.6.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.6km az=129.0. Recorded [2 JMA] in Aomori and Iwate and [1 JMA] in Miyagi. Also recorded [2 JMA] in southwestern Hokkaido. Moment Tensor Solution. M_o4.40000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=15.1km s-min=11.3km az=122.0.

(43) Southern California

ISC	**XI**	**17 12 35 41.3–.33**	**33.46N–.02**	**116.89W–.01**	**8–2**		**195**	**0-100**
ISCJB	XI	17 12 35 40.2–.45	33.41N–.02	116.85W–.01	11–3			**¶11456726**
BJI	XI	17 12 35 40.0	33.50N	116.90W	12	5.8b,5.2s		
IDC	XI	17 12 35 41.9–2.2	33.52N	116.68W	0	3.4,3.4		

NEIC XI 17 12 35 42.0 33.50N 116.86W 12 4.1L,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.8km az=20.1.
IDC Error ellipse: s-maj=32.7km s-min=13.7km az=45.0.
NEIC Event type fe. Felt [IV] at Aguanga, Homeland, Julian and Pala; [III] at Aliso Viejo, Anza, Bonsall, Cathedral City, Coronado, Del Mar, Desert Hot Springs, El Cajon, Escondido, Fallbrook, Hemet, Idyllwild, Indian Wells, Indio, La Mesa, La Quinta, Lake Elsinore, Menifee, Moreno Valley, Murrieta, Nuevo, Oceanside, Palm Desert, Palm Springs, Pauma Valley, Perris, Poway, Ramona, Rancho Mirage, Rancho Santa Fe, Riverside, San Diego, San Jacinto, San Marcos, Santee, Spring Valley, Sun City, Temecula, Thousand Palms, Valley Center, Vista, Wildomar, Winchester and Yucca Valley; [II] at Alpine, Borrego Springs, Cardiff by the Sea, Carlsbad, Encinitas, La Jolla, Lakeside, Loma Linda, Mountain Center and Solana Beach. Also felt at Beaumont, Calimesa, Camp Pendleton, Chino Hills, Chula Vista, Colton, Corona, Costa Mesa, Fontana, Glendora, Hermosa Beach, Irvine, Ladera Ranch, Laguna Beach, Lake Forest, Lake Hughes, Landers, Lemon Grove, Midway City, Mission Viejo, Morongo Valley, Pine Valley, Pomona, Rancho Cucamonga, Rancho Santa Margarita, Redlands, Rialto, Santa Ysabel, Trabuco Canyon, Twentynine Palms and Warner Springs. After PAS.

(43) Southern California

ISC	**XI**	**17 17 41 35.8–.32**	**33.47N–.02**	**116.89W–.02**	**5–3**		**115**	**0-94**
ISCJB	XI	17 17 41 35.1–.42	33.46N–.02	116.86W–.02	6–3			**¶11456742**
NEIC	XI	17 17 41 37.1	33.50N	116.86W	12	3.8L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=19.5.
NEIC Event type fe. Felt [III] at Aguanga, Anza, Hemet, Homeland, Pauma Valley, Perris, San Diego, San Jacinto, Sun City, Vista and Winchester; [II] at Bonsall, Cathedral City, Colton, Corona, Escondido, Fallbrook, Idyllwild, Lake Elsinore, Lakeside, Menifee, Moreno Valley, Murrieta, Nuevo, Oceanside, Palm Desert, Palm Springs, Poway, Ramona, Rancho Mirage, Redlands, Riverside, San Marcos, Santee, Temecula, Valley Center and Wildomar. After PAS.

(227) Eastern Honshu

ISC	**XI**	**18 00 01 14.4–.24**	**36.22N–.04**	**137.47E–.06**	**247–2**	**3.8b**	**94**	**0-93**
NIED	XI	18 00 01 00	36.20N	137.60E	250	4.0W		**¶11750781**
ISCJB	XI	18 00 01 13.4–.24	36.22N–.04	137.46E–.06	252–2	3.8b		
IDC	XI	18 00 01 13.9–.51	36.14N	137.40E	244–4	3.7,3.6		
NEIC	XI	18 00 01 14.1–.46	36.21N	137.45E	246–4	3.7b,3.6		
JMA	XI	18 00 01 14.2–.10	36.17N	137.57E	249–1	4.1,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ82.00000°,λ-82.00000°. NP2:ϕ_s272.00000°,δ11.00000°,λ-134.00000°. M_o1.06000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=6.3km az=34.4.
IDC Error ellipse: s-maj=12.8km s-min=11.0km az=120.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=6.4km az=124.0. Felt on Yap.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(263) Talaud Islands

ISC	**XI**	**18 00 14 36.1–.39**	**4.19N–.03**	**125.93E–.05**	**116–3**	**4.6b**	**123**	**1-130**
ISCJB	XI	18 00 14 35.0–.41	4.20N–.03	125.92E–.05	121–4	4.6b		**¶12073944**
DJA	XI	18 00 14 35	4.21N	126.16E	99	4.7b		
IDC	XI	18 00 14 36.7–1.4	4.17N	125.86E	122–12	4.2,4.1b		
NEIC	XI	18 00 14 38.1–.85	4.19N	125.84E	133–8	4.4b,4.1b		
MAN	XI	18 00 14 39	4.49N	125.65E	24	5.1b,4.2s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.2km az=171.9.
IDC Error ellipse: s-maj=21.5km s-min=8.1km az=73.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=5.4km az=77.0. Felt [II] at Tahuna.

(244) Taiwan

ISC	**XI**	**18 02 25 04.6–.22**	**23.56N–.01**	**120.59E–.02**	**14–2**		**102**	**0-2**
NEIC	XI	18 02 25 04.0–1.4	23.56N	120.61E	10	4.0L		**¶11457622**
TAP	XI	18 02 25 03.5	23.55N	120.60E	10–0	3.6L		
ISCJB	XI	18 02 25 04.6–.23	23.56N–.01	120.59E–.02	10–2	3.6L		

ISC Event type fe.
NEIC Event type fe. Recorded [3 TAP] in Chia-i and Yun-lin; [2 TAP] in Nan-t'ou; [1 TAP] in Chang-hua, Kao-hsiung, T'ai-chung and T'ai-nan.
TAP A.
ISCJB Event type fe.

(250) Mindoro

ISC	**XI**	**18 13 11 26.4–1.1**	**13.37N–.06**	**120.48E–.07**	**46–12**	**4.6b,3.9s**	**59**	**1-91**
IDC	XI	18 13 11 19.9–.77	13.28N	120.23E	0	4.4,4.3		**¶12074012**
MAN	XI	18 13 11 23	13.39N	120.37E	22	4.6b,3.5s		
ISCJB	XI	18 13 11 25.2–1.1	13.36N–.06	120.46E–.08	53–12	4.6b,3.9s		
NEIC	XI	18 13 11 25.8–1.0	13.42N	120.61E	42–10	4.7b,3.9s		

ISC Event type fe.
IDC Error ellipse: s-maj=18.1km s-min=11.5km az=115.0.
MAN Event type fe. INTENSITY III - PALUAN OCCIDENTAL MINDORO.
ISCJB Event type fe. Error ellipse: s-maj=14.8km s-min=6.6km az=144.5.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=5.2km az=61.0. Felt [III PIVS] at Paluan.

(162) South Island

WEL	**XI**	**18 14 52 00.1–.08**	**44.37S**	**169.84E**	**5**	**3.9L**		**¶11521974**

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.7km az=90.0. Felt in the Canterbury region, maximum reported intensity MM 4.

(110) Peru-Ecuador border region

ISC	**XI**	**18 16 22 45.2–1.4**	**3.82S–.05**	**80.9W–.10**	**83–13**	**4.1b**	**43**	**4-165**
ISCJB	XI	18 16 22 42.6–1.6	3.81S–.05	80.9W–.10	76–14	4.1b		**¶12074022**
IDC	XI	18 16 22 43.9–2.7	3.75S	80.90W	66–26	4.4L,4.4		
NEIC	XI	18 16 22 44.9–1.2	3.84S	80.89W	79–11	4.6b,4.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=18.6km s-min=7.8km az=175.0.
IDC Error ellipse: s-maj=34.6km s-min=14.9km az=50.0.
NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=7.8km az=76.0. Felt [II] at Mancora, Peru.

(80) Panama-Costa Rica border region

ISC	**XI**	**19 06 11 22.5–.13**	**8.33N–.02**	**82.90W–.01**	**45**	**5.9s,5.7b**	**1251**	**0-176**
GUC	XI	19 06 11 03.7–2.4	10.91N	82.12W	48–0	5.7b,5.7b		**¶11458361**
MOS	XI	19 06 11 19.9–1.5	8.35N	83.02W	33	6.1b,5.8s		
ISCJB	XI	19 06 11 20.5–.13	8.34N–.02	82.90W–.01	43	5.9s,5.7b		
NEIC	XI	19 06 11 20.8–.18	8.27N	82.97W	32	6.2,6.1W		
BJI	XI	19 06 11 20.8	8.30N	82.90W	32	6.4s,6.2		
CASC	XI	19 06 11 21.2–2.8	8.32N	82.84W	26–5	5.9b,5.6L		
IDC	XI	19 06 11 25.0–1.9	8.33N	82.78W	75–16	5.8s,5.8		
GCMT	XI	19 06 11 25.6–.10	8.23N	82.77W	42–0	6.3W,5.8		
SZGRF	XI	19 06 11 30.0	9.75N	80.98W	33	6.3s,5.7b		

ISC Event type de.
GUC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=6.6km s-min=4.4km az=101.3.
ISCJB Event type de. Error ellipse: s-maj=3.0km s-min=1.8km az=19.2.
NEIC Event type de. Error ellipse: s-maj=4.5km s-min=3.0km az=208.0. Slight damage at Chiriqui, David and Puerto Armuelles, Panama. Felt [V] at Bajo Boquete, Dolega and Rio Sereno; [IV] at Bocas del Toro and Bugaba. Also felt at Aguadulce, Alanje, Anton, Panama, Penonome, San Carlos and Santiago. Felt [VI] at Golfito; [V] at Grecia, Limon, Parrita, San Antonio and San Rafael; [IV] at Alajuela, Curridabat, Desamparados, Escazu, Guadalupe, Quepos, San Isidro, San Jose, San Juan, San Pablo, San Pedro, Santa Ana and Tres Rios; [III] at Heredia, Coata Rica. Also felt at Atenas, Calle Blancos, Cartago, Colon, Florencia, Mercedes, Naranjo, Palmar, Paraiso, Puerto Cortes, Puntarenas, Purral, San Ramon, Santo Domingo, San Vicente and San Vito. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s275.00000°,δ68.00000°,λ-15.00000°. NP2: ϕ_s11.00000°,δ76.00000°,λ-157.00000°. Principal axes: T Plg5.0000°,Azm142.0000° ; N Plg0.0000°,Azm0.0000°; P Plg26.0000°,Azm234.0000° Moment Tensor Solution. s111 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.54 $M_{\theta\theta}$0.72 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.60 $M_{\theta\phi}$1.55 $M_{\phi r}$-0.54 Best double couple: NP1:ϕ_s13.00000°,δ65.00000°,λ-159.00000°. NP2:ϕ_s274.00000° ,δ71.00000°,λ-26.00000°. Principal axes: T 1.8900,Plg3.0000°,Azm324.0000° ; N -0.0600,Plg58.0000°,Azm60.0000°; P -1.8300,Plg31.0000°,Azm231.0000° M_o1.90000×10^{18}
CASC Error ellipse: s-maj=6.0km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=12.6km s-min=7.0km az=71.0.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=114, comp=272, per= 50. Moment Tensor Solution. s111,c240; s90,c145; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.81±.02 $M_{\theta\theta}$1.29±.02; $M_{\phi\phi}$-0.48±.02; $M_{r\theta}$0.92±.02; $M_{\theta\phi}$2.34±.02; $M_{\phi r}$-1.22±.03; Best double couple: NP1:ϕ_s16.00000°,δ66.00000°,λ-156.00000°. NP2:ϕ_s275.00000°,δ68.00000°,λ-26.00000°. Principal axes: T 2.9100,Plg1.0000°,Azm326.0000°; N 0.2000,Plg56.0000°,Azm57.0000° ; P -3.1100,Plg34.0000°,Azm235.0000° M_o3.00000×10^{18}
SZGRF Panama.

(112) Peru-Brazil border region

ISC	**XI**	**19 07 49 53.8–.16**	**7.81S–.03**	**74.38W–.02**	**151**	**5.1b**	**982**	**4-168**
ISCJB	XI	19 07 49 52.0–.15	7.76S–.03	74.47W–.02	150	5.1b		**¶11458363**
MOS	XI	19 07 49 51.9–.91	7.66S	74.50W	145	5.3b		
NEIC	XI	19 07 49 53.4–.13	7.80S	74.43W	150	5.3b		
BJI	XI	19 07 49 53.5	7.80S	74.40W	144	5.6b		
IDC	XI	19 07 49 53.6–.41	7.75S	74.35W	151–3	5.0,5.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.7km az=28.6.
MOS Error ellipse: s-maj=8.6km s-min=5.0km az=103.8.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=46.0. Felt [III] at Pucallpa and [II] at Contamana.
IDC Error ellipse: s-maj=13.2km s-min=8.7km az=65.0.

(218) Near east coast of Kamchatka Peninsula

ISC	**XI**	**19 08 25 00.7–.11**	**52.95N–.02**	**159.75E–.02**	**43**	**4.9b,4.1s**	**909**	**0-161**
ISCJB	XI	19 08 24 58.4–.11	52.92N–.02	159.82E–.02	41	4.9b,4.1s		**¶13400594**
IDC	XI	19 08 25 00.5–.39	53.11N	159.76E	41–3	4.8L,4.7		
MOS	XI	19 08 25 00.8–1.2	53.05N	159.70E	61	5.0b,4.7		
BJI	XI	19 08 25 01.0	53.48N	159.60E	62	5.1b,4.8b		
KRSC	XI	19 08 25 02.1–.70	53.04N	160.02E	40–19	5.1L,4.8b		
NEIC	XI	19 08 25 03.2–.48	53.09N	159.69E	66–4	4.8b,4.8b		
SZGRF	XI	19 08 25 09.2	53.22N	157.87E	66	5.1b,4.8b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=171.5.
IDC Error ellipse: s-maj=12.0km s-min=8.1km az=134.0.
MOS Event type fe. Error ellipse: s-maj=7.6km s-min=4.4km az=88.9. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.8km az=168.0.
SZGRF Kamchatka Peninsula, Russia.

(228) Near east coast of eastern Honshu

ISC	**XI**	**19 19 25 43.0–.18**	**35.99N–.02**	**141.57E–.03**	**36**	**4.9b,4.6s**	**336**	**1-147**
NIED	XI	19 19 25 00	36.00N	141.90E	23	4.9W,4.6s		**¶13400627**
IDC	XI	19 19 25 37.5–.49	35.98N	141.59E	0	4.7,4.7L		
JMA	XI	19 19 25 39.2–.20	36.03N	141.81E	38	4.9,4.7L		
BJI	XI	19 19 25 40.9	36.13N	141.60E	38	5.0b,4.8s		
ISCJB	XI	19 19 25 40.8–.18	35.97N–.02	141.64E–.03	34	4.9b,4.6s		
MOS	XI	19 19 25 41.4–1.1	36.07N	141.65E	39	5.1b,4.7s		
NEIC	XI	19 19 25 42.7–.20	35.97N	141.57E	35	4.9W,4.8b		
DJA	XI	19 19 25 45	35.89N	141.44E	42	5.4b,4.8b		
GCMT	XI	19 19 25 45.8–.30	35.97N	141.73E	28–1	5.0W,4.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ67.00000°,λ95.00000°. NP2:ϕ_s195.00000°,δ23.00000°,λ79.00000°. M_o2.49000×10^{16}
IDC Error ellipse: s-maj=14.5km s-min=12.6km az=97.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.9km az=19.1.
MOS Error ellipse: s-maj=8.9km s-min=5.4km az=118.3.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.2km az=166.0. Recorded [1 JMA] in Chiba, Fukushima, Ibaraki and Tochigi. Moment Tensor Solution. M_o2.50000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c43; s67,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}2.46±.15 $M_{\theta\theta}$-0.23±.09; $M_{\phi\phi}$-2.23±.10; $M_{r\theta}$1.16±.15; $M_{\theta\phi}$-1.21±.06; $M_{\phi r}$2.41±.15; Best double couple: NP1:ϕ_s205.00000°,δ22.00000°,λ89.00000°. NP2:ϕ_s26.00000°,δ68.00000°,λ90.00000°. Principal axes: T 3.5800,Plg67.0000° ,Azm296.0000°; N 0.3400,Plg0.0000°,Azm205.0000°; P -3.9200,Plg23.0000°,Azm115.0000° M_o3.80000×10^{16}

(228) Near east coast of eastern Honshu

JMA	**XI**	**19 21 43 01.2–.10**	**38.54N**	**141.72E**	**54–1**	**3.5**		
NIED	XI	19 21 43 00	38.50N	141.70E	68	4.2W		**¶11750864**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s197.00000°,δ22.00000°,λ102.00000°. NP2:ϕ_s4.00000°,δ69.00000°,λ85.00000°. Principal axes: T Plg66.0000°,Azm266.0000°; N Plg4.0000°,Azm6.0000°; P Plg24.0000° ,Azm98.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ65.00000°,λ-41.00000°. NP2:ϕ_s142.00000°,δ53.00000°,λ-148.00000°. M_o2.03000×10^{15}

(45) California-Baja California border region

ISC	**XI**	**20 00 18 36.2–.50**	**32.48N–.03**	**115.39W–.03**	**11–5**		**43**	**0-5**
ISCJB	XI	20 00 18 36.0–.74	32.49N–.04	115.36W–.03	13–6			**¶13400648**
NEIC	XI	20 00 18 35.0	32.37N	115.35W	6	3.8,3.7L		
ECX	XI	20 00 18 37.1–.62	32.45N	115.34W	4–0	3.8L,3.7L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.2km az=156.9.
NEIC Event type fe. Felt in the Calexico area, California. After PAS.
ECX Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**XI**	**20 05 17 08.3–.50**	**34.83N–.05**	**140.16E–.04**	**41–6**	**3.5b**	**32**	**0-58**
IDC	XI	20 05 17 05.4–2.5	34.48N	139.43E	0	3.7,3.6L		**¶12074231**
ISCJB	XI	20 05 17 07.4–.55	34.84N–.04	140.17E–.04	49–5	3.5b,3.6L		
NEIC	XI	20 05 17 07.8	34.89N	140.17E	46	3.2,3.6L		
JMA	XI	20 05 17 07.7–.10	34.89N	140.17E	46–1	3.2,3.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=115.3km s-min=22.4km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.8km az=17.6.
NEIC Event type se. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(45) California-Baja California border region

ISC	**XI**	**20 08 44 00.8–.37**	**32.44N–.02**	**115.32W–.02**	**16–2**		**89**	**0-7**
ISCJB	XI	20 08 44 00.6–.38	32.42N–.03	115.30W–.02	23–3			**¶11473104**
NEIC	XI	20 08 44 01.8	32.40N	115.36W	0	3.7L,3.4L		
ECX	XI	20 08 44 01.8–.71	32.40N	115.36W	10–0	3.7L,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=2.1.
NEIC Event type fe. Felt at Mexicali. Also felt in the Calexico area, California. After ECX.
ECX Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.

(390) Southern Italy

ISC	**XI**	**20 14 09 19.5–.15**	**39.26N–.01**	**17.34E–.02**	**10**	**4.0b,3.7s**	**544**	**0-125**
ISCJB	XI	20 14 09 18.0–.15	39.29N–.01	17.35E–.02	10	4.1b,3.7s		**¶13400690**
LDG	XI	20 14 09 17.8–.18	39.21N	17.55E	10–0	3.5L,3.7s		
IDC	XI	20 14 09 17.5–.80	39.22N	17.14E	0	4.0,4.0L		
PDG	XI	20 14 09 18.3–.91	39.11N	17.61E	25–3	4.2L,4.2		
PRU	XI	20 14 09 19.3	39.41N	17.34E	0	4.2,4.2		
MOS	XI	20 14 09 19.1–.98	39.48N	17.10E	10	4.3b,4.2		
NEIC	XI	20 14 09 19.0	39.14N	17.50E	27	4.2b,4.0L		
CSEM	XI	20 14 09 19.4–.11	39.25N	17.31E	12	4.3L,4.2b		
THE	XI	20 14 09 19.9	39.16N	17.21E	32–51	4.0L,4.2b		
ROM	XI	20 14 09 20.6–.31	39.17N	17.37E	27–3	4.0L,4.2b		
SKO	XI	20 14 09 40.1	40.52N	18.75E	0	4.0L,4.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.7km az=136.9.
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=128.0.
IDC Error ellipse: s-maj=16.1km s-min=13.9km az=85.0.
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=3.1km az=0.0.
MOS Error ellipse: s-maj=8.9km s-min=4.9km az=82.3.
NEIC Event type fe. Felt [III] at Crotone. After ROM.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=32.0.
THE Event type ke. Error ellipse: s-maj=51.1km s-min=2.2km az=0.0.
ROM Event type ke. Error ellipse: s-maj=4.2km s-min=1.9km az=101.0.

(73) El Salvador

ISC	**XI**	**20 17 55 13.6–.36**	**13.43N–.04**	**89.93W–.04**	**80–2**	**4.5b**	**513**	**0-151**
CASC	XI	20 17 55 07.3–1.7	13.17N	90.44W	24–5	4.8L,4.7b		**¶11473122**
ISCJB	XI	20 17 55 11.7–.39	13.34N–.04	90.01W–.04	82–3	4.5b,4.7b		
IDC	XI	20 17 55 11.9–1.8	13.61N	89.90W	61–16	4.4,4.3		
MOS	XI	20 17 55 13.5–1.4	13.55N	89.92W	85	4.6b,4.3		
BJI	XI	20 17 55 14.0	13.30N	89.90W	91	5.2b,4.3		
NEIC	XI	20 17 55 14.1–.57	13.39N	89.92W	89–5	5.0,4.7b		

ISC Event type fe.
CASC Error ellipse: s-maj=3.9km s-min=3.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=3.1km az=36.5.
IDC Error ellipse: s-maj=22.2km s-min=9.6km az=40.0.
MOS Error ellipse: s-maj=15.0km s-min=6.2km az=111.4.

NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=3.8km az=53.0. Felt [II] at San Salvador.

(45) California-Baja California border region

ISC	**XI**	**20 19 23 01.4–.38**	**32.26N–.02**	**115.41W–.01**	**4–2**	**4.6b,4.2s**	**497**	**0-146**
ECX	XI	20 19 23 00.9–.36	32.39N	115.39W	9–0	5.3L,5.1		**¶11473125**
ISCJB	XI	20 19 23 00.7–.45	32.31N–.02	115.32W–.01	10–3	4.6b,4.2s		
BJI	XI	20 19 23 00.5	32.26N	116.28W	12	5.3s,5.1b		
MOS	XI	20 19 23 01.5–1.5	32.44N	115.37W	10	4.7b,5.1b		
IDC	XI	20 19 23 02.9–.88	32.49N	115.10W	0	4.2,4.2b		
NEIC	XI	20 19 23 03.3	32.41N	115.33W	4	5.3L,5.0L		

ISC Event type fe.
ECX Error ellipse: s-maj=2.3km s-min=1.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.7km az=17.0.
MOS Error ellipse: s-maj=8.1km s-min=5.1km az=91.2.
IDC Error ellipse: s-maj=17.7km s-min=9.9km az=51.0.
NEIC Event type fe. Felt at Mexicali. Felt [IV] at Calexico, El Centro, Imperial, San Diego and Winterhaven; [III] at Brawley, Chula Vista, El Cajon, Lakeside and Santee; [II] at Aliso Viejo, Boulevard, Escondido, Holtville, La Jolla, La Mesa and Newport Beach, California. Also felt at Alpine, Blythe, Calipatria, Campo, Carlsbad, Downey, Encinitas, Fountain Valley, Heber, Indio, Irvine, Jacumba, Julian, Laguna Niguel, Lake Elsinore, Mission Viejo, Murrieta, Oceanside, Orange, Pine Valley, Poway, Ramona, Rancho Cucamonga, Riverside, San Dimas, San Jacinto, Solana Beach, Spring Valley, Temecula and Westmorland. Felt [III] at Somerton and Yuma, Arizona. Also felt at Cibola, Sierra Vista, Tucson and Wellton. After ECX. Moment Tensor Solution. $M_0$1.20000×10^{16}

(45) California-Baja California border region

ECX	**XI**	**20 20 43 26.3–.77**	**32.43N**	**115.35W**	**10–0**	**3.5L,3.3**	
NEIC	XI	20 20 43 26.3	32.43N	115.33W	0	3.5L,3.3L	**¶13400728**

ECX Error ellipse: s-maj=2.5km s-min=3.5km az=-1.0.
NEIC Event type fe. Felt in the Calexico area, California. After ECX.

(259) Mindanao

ISC	**XI**	**20 22 34 13.0–.56**	**7.67N–.03**	**124.77E–.04**	**15–4**	**3.7b**	**34**	**0-56**
IDC	XI	20 22 34 10.3–.94	7.53N	124.54E	0	3.9,3.8b		**¶12074333**
MAN	XI	20 22 34 12	7.72N	124.75E	1	4.6b,3.5s		
ISCJB	XI	20 22 34 13.4–.59	7.66N–.03	124.81E–.04	33–5	3.7b,3.5s		
NEIC	XI	20 22 34 15.1–.64	7.63N	124.83E	35	3.9b,3.5s		

ISC Event type fe.
IDC Error ellipse: s-maj=26.2km s-min=11.3km az=37.0.
MAN Event type fe. INTENSITY II - MALASAG CAGAYAN DE ORO.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.9km az=158.2.
NEIC Event type fe. Error ellipse: s-maj=32.4km s-min=10.8km az=62.0. Felt [II PIVS] at Malasag.

(224) Hokkaido region

ISC	**XI**	**21 00 50 38.8–.25**	**43.05N–.04**	**143.19E–.04**	**121–2**	**4.2b**	**126**	**0-149**
NIED	XI	21 00 50 00	43.00N	143.20E	119	4.0W		**¶13400747**
MOS	XI	21 00 50 37.9–.94	43.10N	143.17E	131	4.3b		
ISCJB	XI	21 00 50 37.7–.25	43.05N–.04	143.19E–.04	127–2	4.2b		
NEIC	XI	21 00 50 39.0–.46	43.08N	143.18E	122–4	4.4b		
JMA	XI	21 00 50 39.0–.10	43.01N	143.19E	118–1	3.7		
IDC	XI	21 00 50 39.5–1.4	43.13N	143.17E	124–10	4.0,3.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s128.00000°,δ76.00000°,λ92.00000°. NP2:ϕ_s298.00000°,δ14.00000°,λ80.00000°. $M_0$1.22000×10^{15}
MOS Error ellipse: s-maj=12.8km s-min=8.0km az=76.5.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.2km az=156.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.9km az=141.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=22.1km s-min=10.7km az=164.0.

(2) Southern Alaska

ISC	**XI**	**21 06 03 59.8–.37**	**59.76N–.04**	**153.81W–.07**	**139–4**	**4.0b**	**80**	**1-72**
BJI	XI	21 06 03 57.0	60.36N	153.58W	136	4.6b		**¶11479721**
ISCJB	XI	21 06 03 58.6–.37	59.76N–.04	153.83W–.07	146–4	4.0b		
IDC	XI	21 06 03 58.6–1.3	59.78N	153.92W	126–16	3.9,3.7		
NEIC	XI	21 06 04 00.5	59.72N	153.78W	151	4.2,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=5.4km az=136.7.
IDC Error ellipse: s-maj=16.4km s-min=15.5km az=159.0.
NEIC Event type fe. Felt at Homer. After AEIC.

(193) Bougainville - Solomon Islands region

ISC	**XI**	**21 07 05 35.9–.08**	**8.94S–.02**	**159.54E–.02**	**123**	**6.0b**	**1004**	**1-173**
BJI	XI	21 07 05 30.3	8.85S	160.02E	108	6.1b,5.9b		**¶11473150**
NOU	XI	21 07 05 31.5–2.4	9.69S	158.03E	16–999	6.1b,5.9b		
MOS	XI	21 07 05 33.4–.87	8.79S	159.51E	110	6.0b,5.1s		
NEIC	XI	21 07 05 34.9–.10	8.95S	159.55E	118	6.3,6.1W		
ISCJB	XI	21 07 05 34.2–.08	8.95S–.02	159.49E–.02	122	6.0b,6.1W		
IDC	XI	21 07 05 34.9–.36	8.94S	159.64E	119–3	5.5,5.5		
GCMT	XI	21 07 05 36.6–.10	8.97S	159.73E	126–0	6.0W,5.5		
DJA	XI	21 07 05 42	8.93S	159.65E	193	5.9W,5.5		

ISC Event type fe.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.3km s-min=5.6km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=3.4km az=149.0. Felt [IV] at Honiara. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s315.00000°,δ55.00000°,λ90.00000°. NP2:ϕ_s135.00000°,δ35.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm225.0000°; N Plg0.0000°,Azm0.0000°; P Plg10.0000° ,Azm45.0000° Moment Tensor Solution. s73 Moment tensor: Scale 10^{18}Nm; M_{rr}1.49 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-0.84 $M_{r\theta}$-0.53 $M_{\theta\phi}$0.41 $M_{r\phi}$0.10 Best double couple: NP1:ϕ_s310.00000° ,δ55.00000°,λ78.00000°. NP2:ϕ_s150.00000°,δ37.00000°,λ106.00000°. Principal axes: T 1.6100,Plg76.0000°,Azm180.0000°; N -0.3800,Plg9.0000°,Azm316.0000° ; P -1.2300,Plg8.0000°,Azm48.0000° $M_0$1.50000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=176.5.
IDC Error ellipse: s-maj=9.0km s-min=7.6km az=73.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=126, comp=288, per= 50. Moment Tensor Solution. s117,c256; s75,c92; Moment tensor: Scale 10^{18}Nm; M_{rr}1.01±.01 $M_{\theta\theta}$-0.44±.01; $M_{\phi\phi}$-0.57±.01; $M_{r\theta}$-0.70±.01; $M_{\theta\phi}$0.61±.01; $M_{r\phi}$0.04±.01; Best double couple: NP1:ϕ_s158.00000°,δ36.00000°,λ126.00000°. NP2:ϕ_s296.00000°,δ61.00000°,λ67.00000°. Principal axes: T 1.3100,Plg65.0000°,Azm165.0000°; N -0.0800,Plg20.0000°,Azm308.0000° ; P -1.2400,Plg14.0000°,Azm43.0000° $M_0$1.30000×10^{18}

(228) Near east coast of eastern Honshu

ISC	**XI**	**21 10 10 18.8–.67**	**36.27N–.05**	**140.57E–.08**	**53–4**	**3.7b**	**35**	**0-75**
NIED	XI	21 10 10 00	36.20N	140.50E	50	3.8W		**¶11750979**
ISCJB	XI	21 10 10 17.3–.70	36.26N–.05	140.64E–.08	60–4	3.7b		
IDC	XI	21 10 10 18.2–2.6	36.26N	140.77E	57–20	3.6,3.6		
NEIC	XI	21 10 10 19.3	36.25N	140.48E	52	4.1b,3.6		
JMA	XI	21 10 10 19.3–.10	36.25N	140.48E	52–1	3.5,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ73.00000°,λ60.00000°. NP2:ϕ_s230.00000°,δ34.00000°,λ149.00000°. $M_0$6.39000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=8.1km az=175.2.
IDC Error ellipse: s-maj=34.2km s-min=11.5km az=79.0.
NEIC Event type se. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s238.00000°,δ15.00000°,λ138.00000°. NP2:ϕ_s9.00000°,δ80.00000°,λ78.00000°. Principal axes: T Plg54.0000°,Azm265.0000°; N Plg11.0000°,Azm11.0000°; P Plg34.0000° ,Azm109.0000°

(233) Near south coast of western Honshu

JMA	**XI**	**21 14 51 32.5–.10**	**33.15N**	**135.80E**	**31–1**	**3.8**	
NIED	XI	21 14 51 00	33.10N	135.80E	11	3.6W	**¶11750998**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ78.00000°,λ41.00000°. NP2:ϕ_s61.00000°,δ50.00000°,λ164.00000°. $M_0$3.17000×10^{14}

(224) Hokkaido region

ISC	**XI**	**21 15 44 49.3–.08**	**43.18N–.02**	**145.76E–.02**	**49**	**5.4b,4.5s**	**1384**	**0-155**
NIED	XI	21 15 44 00	43.10N	145.80E	44	5.1W,4.5s		**¶13400806**
MOS	XI	21 15 44 46.4–.89	43.17N	145.78E	40	5.5b,4.5s		
NEIC	XI	21 15 44 46.7–.10	43.19N	145.81E	29	5.3b,5.2W		
IDC	XI	21 15 44 47.2–3.7	43.19N	145.83E	33–27	5.2,5.2		
ISCJB	XI	21 15 44 47.2–.08	43.11N–.02	145.81E–.02	47	5.4b,4.5s		
JMA	XI	21 15 44 48.4–.10	43.13N	145.84E	46–1	5.2,4.5s		
DJA	XI	21 15 44 48	43.27N	146.21E	54	5.4b,4.5s		
BJI	XI	21 15 44 48.7	43.24N	145.74E	62	5.5b,5.3b		
SKHL	XI	21 15 44 49.6–.80	43.20N	145.86E	51–18	6.3,6.2s		
TEH	XI	21 15 44 50.0	43.17N	145.73E	58	6.3,6.2s		
BGS	XI	21 15 44 51.6–1.5	43.54N	143.75E	33–0	5.7b,6.2s		
GCMT	XI	21 15 44 52.3–.20	43.12N	145.94E	52–0	5.2W,6.2s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ67.00000°,λ87.00000°. NP2:ϕ_s228.00000°,δ23.00000°,λ97.00000°. $M_0$5.74000×10^{16}
MOS Error ellipse: s-maj=5.9km s-min=3.9km az=101.2.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.1km az=154.0. Felt at Bihoro. Recorded [4 JMA] in eastern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. s14 Moment tensor: Scale 10^{16}Nm; M_{rr}3.14 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$-1.16 $M_{r\theta}$3.51 $M_{\theta\phi}$-5.02 $M_{r\phi}$2.91 Best double couple: NP1:ϕ_s54.00000°,δ67.00000°,λ98.00000°. NP2:ϕ_s213.00000° ,δ24.00000°,λ71.00000°. Principal axes: T 4.9700,Plg66.0000°,Azm339.0000° ; N 3.4400,Plg7.0000°,Azm230.0000°; P -8.4000,Plg21.0000°,Azm137.0000° $M_0$7.30000×10^{16} Moment Tensor Solution. $M_0$5.70000×10^{16}
IDC Error ellipse: s-maj=13.2km s-min=9.5km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.5km az=161.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
SKHL Event type fe. Felt (II-III) at Yushno-Kurilsk.
BGS Error ellipse: s-maj=229.1km s-min=584.4km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s62,c95; s84,c137; Moment tensor: Scale 10^{16}Nm; M_{rr}5.86±.20 $M_{\theta\theta}$-2.80±.14; $M_{\phi\phi}$-3.06±.14; $M_{r\theta}$1.05±.11; $M_{\theta\phi}$-3.53±.10; $M_{r\phi}$2.50±.10; Best double couple: NP1:ϕ_s234.00000°,δ35.00000°,λ106.00000°. NP2:ϕ_s35.00000°,δ57.00000°,λ80.00000°. Principal axes: T 6.5200,Plg76.0000° ,Azm274.0000°; N 0.4500,Plg9.0000°,Azm41.0000°; P -6.9700,Plg11.0000°,Azm132.0000° $M_0$6.70000×10^{16}

(232) Western Honshu

JMA	**XI**	**21 18 37 26.1**	**35.13N**	**135.70E**	**8**	**2.7**	

¶14124271

JMA Event type fe.

(226) Near west coast of eastern Honshu

ISC	**XI**	**21 21 27 14.9–.98**	**38.60N–.04**	**138.11E–.05**	**25–7**	**3.5b**	**40**	**1-91**
NIED	XI	21 21 27 00	38.60N	138.00E	20	3.8W		**¶11751004**
IDC	XI	21 21 27 11.3–.74	38.66N	137.98E	0	4.0,3.7b		
ISCJB	XI	21 21 27 14.1–1.0	38.63N–.04	138.05E–.04	32–7	3.5b,3.7b		
NEIC	XI	21 21 27 14.1	38.65N	138.04E	41	4.0,3.7b		
JMA	XI	21 21 27 14.0–.10	38.65N	138.04E	41–1	4.0,3.7b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ56.00000°,λ89.00000°. NP2:ϕ_s198.00000°,δ34.00000°,λ91.00000°. $M_0$5.12000×10^{14}
IDC Error ellipse: s-maj=21.9km s-min=19.1km az=91.0.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.9km az=0.2.
NEIC Event type fe. Recorded [1 JMA] on Sadogo-shima. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(123) Northern Chile

ISC	**XI**	**21 23 07 47.6–.17**	**24.21S–.03**	**69.18W–.06**	**79**	**4.7b**	**506**	**1-176**
ISCJB	XI	21 23 07 45.5–.16	24.27S–.02	69.30W–.05	77	4.7b		**¶11473178**
NEIC	XI	21 23 07 45.8–.51	24.24S	69.23W	68–4	4.8b		
BJI	XI	21 23 07 46.7	24.20S	69.20W	47	5.3s,5.3		
GUC	XI	21 23 07 46.7–.67	24.16S	69.59W	100–7	5.3L,5.3		
IDC	XI	21 23 07 47.1–.33	24.18S	69.33W	78–2	4.6,4.5b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.1km az=168.3.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=4.4km az=66.0. Felt [III] at Sierra Gorda and [II] at Antofagasta.
GUC Error ellipse: s-maj=4.3km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=8.9km az=62.0.

(233) Near south coast of western Honshu

ISC	**XI**	**22 06 21 59.4–.91**	**33.67N–.05**	**135.10E–.04**	**11–6**	**3.0b**	**16**	**0-42**
NIED	XI	22 06 21 00	33.70N	135.10E	11	3.4W		**¶11751027**
IDC	XI	22 06 21 58.0–4.3	33.35N	135.61E	0	3.4b,3.4		
ISCJB	XI	22 06 21 59.3–.92	33.66N–.06	135.11E–.04	20–13	3.0b,3.4		
JMA	XI	22 06 21 59.5	33.68N	135.10E	16–1	3.9,3.4		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ80.00000°,λ156.00000°. NP2:ϕ_s305.00000°,δ67.00000°,λ11.00000°. $M_0$1.43000×10^{14}
IDC Error ellipse: s-maj=71.1km s-min=22.5km az=146.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=6.1km az=6.0.
JMA Event type fe.

(228) Near east coast of eastern Honshu

ISC	**XI**	**22 12 13 32.8–.39**	**35.96N–.03**	**140.18E–.03**	**37–3**	**4.5b,3.6s**	**167**	**0-148**
NIED	XI	22 12 13 00	36.00N	140.30E	53	4.2W,3.6s		**¶11473206**
BJI	XI	22 12 13 26.7	35.74N	140.64E	34	5.0b,4.5b		
MOS	XI	22 12 13 30.3–1.6	35.92N	140.28E	33	4.6b,4.5b		
ISCJB	XI	22 12 13 31.8–.38	35.96N–.03	140.23E–.03	44–3	4.5b,3.6s		
JMA	XI	22 12 13 32.3–.10	35.98N	140.23E	41–1	4.4,3.6s		
IDC	XI	22 12 13 32.4–2.4	35.91N	140.16E	37–20	4.4L,4.3		
NEIC	XI	22 12 13 32.3	35.98N	140.23E	41	4.8b,4.2W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s229.00000°,δ74.00000°,λ-67.00000°. NP2:ϕ_s352.00000°,δ27.00000°,λ-144.00000°. $M_0$2.45000×10^{15}
MOS Error ellipse: s-maj=9.9km s-min=7.8km az=117.8.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.4km az=163.2.
JMA Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=11.7km az=87.0.
NEIC Event type fe. Felt at Motegi, Narashino and Yokosuka. Recorded [3 JMA] in Ibaraki; [2 JMA] in Chiba, Gumma, Saitama and Tochigi; [1 JMA] in Fukushima, Kanagawa and Tokyo. After JMA. Moment Tensor Solution. $M_0$2.50000×10^{15}

(274) Southern Sumatera

ISC	**XI**	**22 16 01 02.7–.60**	**4.38S–.02**	**101.23E–.02**	**26–4**	**6.5s,5.8b**	**773**	**2-176**
BJI	XI	22 16 00 51.7	5.12S	101.24E	10	6.7s,6.6b		**¶11473209**
IDC	XI	22 16 00 58.4–.33	4.25S	101.28E	0	6.5,6.4s		
ISCJB	XI	22 16 00 59.3–.59	4.38S–.02	101.22E–.02	16–4	6.5s,5.8b		
NEIC	XI	22 16 01 01.7–.17	4.35S	101.26E	24	6.3W,6.3W		
TEH	XI	22 16 01 01.0	4.19S	101.01E	5	6.3W,6.3W		
DJA	XI	22 16 01 01.6–.60	5S–2.0	101E–2.0	18–5	6.6b,6.6		
MOS	XI	22 16 01 02.3–1.4	4.17S	101.40E	33	6.4s,6.1b		
GCMT	XI	22 16 01 06.7–.10	4.73S	101.07E	20	6.3W,6.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=11.8km s-min=7.8km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=30.4.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.3km az=53.0. Felt [IV] at Bengkulu, Ketahun and Mukomuko; [III] at Kapahiang. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s120.00000°,δ80.00000° ,λ90.00000°. NP2:ϕ_s300.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000° ,Azm30.0000°; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm210.0000° Moment Tensor Solution. s82 Moment tensor: Scale 10^{18}Nm; M_{rr}2.63 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-1.40 $M_{r\theta}$2.97 $M_{\theta\phi}$0.75 $M_{r\phi}$-1.54 Best double couple: NP1:ϕ_s323.00000°,δ18.00000°,λ110.00000°. NP2: ϕ_s122.00000°,δ73.00000°,λ83.00000°. Principal axes: T 4.4200,Plg61.0000°,Azm21.0000° ; N -0.6900,Plg6.0000°,Azm123.0000°; P -3.7300,Plg27.0000°,Azm217.0000° $M_0$4.10000×10^{18}
MOS Error ellipse: s-maj=8.2km s-min=4.5km az=115.7.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 75, comp=119, per= 50. Moment Tensor Solution. s64,c100; s90,c135; Moment tensor: Scale 10^{18}Nm; M_{rr}2.07±.03 $M_{\theta\theta}$-1.06±.02; $M_{\phi\phi}$-1.01±.02; $M_{r\theta}$2.92±.07; $M_{\theta\phi}$1.32±.02; $M_{r\phi}$-1.41±.06; Best double couple: NP1:ϕ_s331.00000°,δ19.00000°,λ121.00000°. NP2:ϕ_s119.00000°,δ73.00000°,λ80.00000°. Principal axes: T 3.8800,Plg60.0000°,Azm14.0000°; N 0.1000,Plg10.0000°,Azm122.0000° ; P -3.9800,Plg28.0000°,Azm217.0000° $M_0$3.90000×10^{18}

(274) Southern Sumatera

ISC	**XI**	**22 16 11 50.0–.19**	**4.52S–.03**	**101.27E–.02**	**26**	**6.1s,5.6b**	**433**	**2-152**
BJI	XI	22 16 11 38.8	5.35S	101.40E	10	6.3s,6.2b		**¶12074512**
ISCJB	XI	22 16 11 47.8–.19	4.53S–.03	101.27E–.02	24	6.1s,5.6b		
TEH	XI	22 16 11 48.0	4.41S	101.52E	10	6.1s,5.6b		
NEIC	XI	22 16 11 49.2–2.6	4.48S	101.42E	23–17	5.7b,5.6b		
MOS	XI	22 16 11 49.8–1.2	4.31S	101.51E	33	6.1s,5.9b		
DJA	XI	22 16 11 50.2–.80	5S–3.0	101E–3.0	28–6	6.5b,6.3		
IDC	XI	22 16 11 50.4–.37	4.42S	101.41E	26–2	5.0b,5.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.4km az=32.8.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.0km az=56.0. Felt [II] at Kapahiang.
MOS Error ellipse: s-maj=10.6km s-min=5.8km az=106.1.
IDC Error ellipse: s-maj=11.6km s-min=7.2km az=48.0.

(116) Central Peru
ISC XI 22 20 25 52.1–.97 9.14S–.05 75.82W–.06 36–8 5.1s,4.9b 158 3-169
ISCJB XI 22 20 25 49.9–.27 9.13S–.05 75.96W–.06 33 5.1s,4.9b **¶11473227**
IDC XI 22 20 25 49.3–3.2 9.10S 75.61W 16–20 4.7,4.6b
BJI XI 22 20 25 52.3 9.10S 75.60W 43 5.5s,5.3b
NEIC XI 22 20 25 52.0–.85 9.07S 75.66W 38–7 5.1b,5.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.5km az=146.7.
IDC Error ellipse: s-maj=18.0km s-min=9.7km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=5.4km az=66.0. Felt [III] at Pucallpa and [II] at Lima. Also felt at Cerro de Pasco and Trujillo.

(547) Czech and Slovak Republics
ISC XI 22 22 27 54.4–.16 49.91N–.02 18.38E–.01 0 3.9b 551 0-70
ISCJB XI 22 22 27 52.3–.17 49.95N–.02 18.29E–.01 0 4.0b **¶11473231**
MOS XI 22 22 27 53.7–1.6 49.89N 18.30E 10 4.3b
CSEM XI 22 22 27 54.5–.12 49.86N 18.35E 0 4.3b,3.9s
LDG XI 22 22 27 54.2–.09 49.84N 18.50E 1–0 4.2L,3.9s
IDC XI 22 22 27 55.6–.62 49.69N 18.53E 0 3.8,3.7b
NEIC XI 22 22 27 55.1 49.91N 18.46E 2 4.1L,3.7L
IPEC XI 22 22 27 55.0–.17 49.83N 18.49E 3–3 3.6L,3.7L
VIE XI 22 22 27 56.2–.87 49.65N 18.41E 0–4 3.9s,3.3L
STR XI 22 22 27 56.5–.76 49.94N 18.29E 5–0 4.2L,3.3L
PRU XI 22 22 27 56.1 49.88N 18.40E 0 4.2L,3.3L
BGR XI 22 22 27 56.6–.42 49.90N 18.34E 1 4.1L,3.3L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=2.4km s-min=1.3km az=8.2.
MOS Error ellipse: s-maj=4.8km s-min=4.3km az=150.8.
CSEM Event type kr. Error ellipse: s-maj=3.7km s-min=2.2km az=12.0. Mining induced.
LDG Event type sr. Error ellipse: s-maj=2.8km s-min=1.6km az=10.0. Suspected Mining induced.
IDC Error ellipse: s-maj=11.8km s-min=6.4km az=153.0.
NEIC Event type di. Two miners killed and 3 injured due to a mine collapse near Karvina. Felt at Orlova and Ostrava. After CSEM.
IPEC Event type kr. Error ellipse: s-maj=2.2km s-min=1.1km az=161.0. Mining induced.
VIE Event type sr. Error ellipse: s-maj=5.1km s-min=2.9km az=96.0. 23 km SSE of Ostrava . Suspected Mining induced.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
PRU Event type kr. Rockburst In Region Felt, 2 Miners Died, 3 Wounded. Mining induced.
BGR Event type ki. Error ellipse: s-maj=10.0km s-min=5.6km az=7.0.

(163) Cook Strait
WEL XI 22 23 41 09.0–.05 41.01S 174.88E 31–0 3.6L
¶11522056
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0. Felt between Wellington, Marlborough and Wairarapa, maximum reported. intensity MM 5.

(706) Northern Sumatera
ISC XI 23 05 18 50.1–1.1 5.6N–.10 94.87E–.09 65–8 3.8b 33 0-78
IDC XI 23 05 18 41.5–1.5 5.51N 94.73E 0 4.0L,4.0 **¶12074563**
NEIC XI 23 05 18 47.3–.79 5.65N 95.02E 35 4.0b,4.0
ISCJB XI 23 05 18 49.5–.87 5.7N–.10 94.96E–.08 74–6 3.8b,4.0
DJA XI 23 05 18 50 4.87N 95.12E 10 4.0,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=62.8km s-min=19.6km az=58.0.
NEIC Event type fe. Error ellipse: s-maj=20.6km s-min=9.2km az=46.0. Felt [II] at Banda Aceh.
ISCJB Event type fe. Error ellipse: s-maj=20.4km s-min=9.7km az=27.8.

(90) Puerto Rico region
ISC XI 23 09 05 18.2–.82 19.39N–.02 66.32W–.03 10–5 4.8b,4.5s 232 1-161
IDC XI 23 09 05 15.9–.45 19.35N 66.31W 0 4.5,4.5 **¶11473257**
ISCJB XI 23 09 05 18.8–1.2 19.43N–.02 66.32W–.03 25–9 4.8b,4.5s
GCMT XI 23 09 05 19.4–.30 19.35N 66.24W 13–1 5.0W,4.5s
BJI XI 23 09 05 20.2 19.50N 66.30W 47 5.6s,5.3b
RSPR XI 23 09 05 20.3 19.49N 66.33W 48–13 4.9,5.3b
NEIC XI 23 09 05 20.3 19.49N 66.33W 48 4.9b,4.8
ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=11.1km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=163.9.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s18,c20; s50,c73; Moment tensor: Scale 10^{16}Nm; M_{rr}2.74±.26 $M_{\theta\theta}$-0.09±.15; $M_{\phi\phi}$-2.65±.17; $M_{r\theta}$3.51±.65; $M_{\theta\phi}$1.41±.10; $M_{\theta r}$0.91±.35; Best double couple: NP1:ϕ_s0.00000°,δ45.00000°,λ142.00000°. NP2:ϕ_s119.00000°,δ65.00000°,λ52.00000°. Principal axes: T 5.4100,Plg54.0000° ,Azm341.0000°; N -2.0200,Plg34.0000°,Azm138.0000°; P -3.3900,Plg11.0000° ,Azm236.0000° $M_0$4.40000×10^{16}
RSPR Event type ke.
NEIC Event type fe. Felt [V] at Caguas, Comerio and Toa Alta. Also felt at Naranjito. After RSPR.

(228) Near east coast of eastern Honshu
ISC XI 23 09 12 42.5–.73 38.81N–.04 141.63E–.09 70–5 3.6b 25 0-48
IDC XI 23 09 12 37.1–2.4 39.45N 141.37E 0 3.9b,3.8 **¶12074576**
ISCJB XI 23 09 12 41.6–.73 38.81N–.04 141.63E–.09 75–5 3.6b,3.8
JMA XI 23 09 12 42.8 38.81N 141.57E 70–1 3.4,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=55.0km s-min=32.7km az=138.0.
ISCJB Event type fe. Error ellipse: s-maj=12.2km s-min=5.7km az=23.5.
JMA Event type fe.

(250) Mindoro
MAN XI 23 13 38 33 13.58N 120.27E 34 4.3b,3.2L
¶13756469
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.

(160) Off east coast of North Island
ISC XI 23 20 40 50.2–.81 38.88S–.04 178.22E–.09 36–9 3.7b 33 0-146
IDC XI 23 20 40 48.3–3.5 37.67S 177.98E 0 4.1,3.8b **¶11522068**
ISCJB XI 23 20 40 49.6–.81 38.89S–.04 178.22E–.09 44–6 3.7b,3.8b
WEL XI 23 20 40 51.1–.25 38.85S 178.17E 32–1 3.9L,3.8b
ISC Event type fe.
IDC Error ellipse: s-maj=73.9km s-min=25.8km az=121.0.
ISCJB Event type fe. Error ellipse: s-maj=12.2km s-min=5.5km az=14.7.
WEL Event type fe. Error ellipse: s-maj=3.2km s-min=1.2km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.

(227) Eastern Honshu
ISC XI 23 21 15 31.9–.49 35.30N–.04 137.46E–.04 13–3 3.4b 35 0-94
NIED XI 23 21 15 00 35.30N 137.50E 11 3.6W **¶11473310**
IDC XI 23 21 15 29.8–.94 35.22N 137.70E 0 3.7,3.5b
ISCJB XI 23 21 15 31.5–.53 35.28N–.03 137.46E–.04 14–3 3.4b,3.5b
JMA XI 23 21 15 31.7 35.30N 137.47E 11 3.9,3.5b
NEIC XI 23 21 15 31.8 35.30N 137.47E 11 3.9,3.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ47.00000°,λ81.00000°. NP2:ϕ_s1.00000°,δ44.00000°,λ100.00000°. $M_0$3.27000×10^{14}
IDC Error ellipse: s-maj=30.6km s-min=16.6km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=5.1km az=149.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s203.00000°,δ46.00000°,λ137.00000°. NP2:ϕ_s327.00000°,δ60.00000°,λ53.00000°. Principal axes: T Plg57.0000°,Azm185.0000°; N Plg32.0000°,Azm347.0000°; P Plg8.0000° ,Azm82.0000°
NEIC Event type se. After JMA.

(135) Near coast of central Chile
ISC XI 23 21 19 40.7–.61 36.32S–.02 72.99W–.05 27–4 5.4b,4.9s 270 0-177
IDC XI 23 21 19 36.0–.38 36.31S 72.92W 0 5.0,5.0b **¶11473311**
BJI XI 23 21 19 39.0 35.46S 73.81W 32 5.4s,5.3b
MOS XI 23 21 19 40.4–1.1 36.17S 72.77W 33 5.7b,4.8s
GUC XI 23 21 19 40.1–.75 36.32S 73.01W 33–2 5.5L,4.8s
ISCJB XI 23 21 19 40.3–.54 36.32S–.02 72.96W–.06 37–4 5.4b,4.9s
NEIC XI 23 21 19 40.0 36.32S 73.01W 33 5.6b,5.3W
GCMT XI 23 21 19 44.3–.20 36.38S 73.36W 38–1 5.3W,5.3W
DJA XI 23 21 20 25 37.93S 71.53W 358 4.9b,5.3W
ISC Event type fe.
IDC Error ellipse: s-maj=14.9km s-min=10.6km az=76.0.
MOS Error ellipse: s-maj=18.1km s-min=7.4km az=102.2.
GUC Error ellipse: s-maj=1.8km s-min=4.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.2km az=179.9.
NEIC Event type fe. Felt [V] at Concepcion, [IV] at Chillan, [III] at Cauquenes and [II] at Constitucion, Los Angeles and Talca. Also felt at Chiguayante and Talcahuano. After GUC. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s326.00000°,δ27.00000°,λ67.00000°. NP2:ϕ_s171.00000°,δ65.00000°,λ101.00000°. Principal axes: T 1.0000,Plg68.0000° ,Azm103.0000°; N 0.2500,Plg10.0000°,Azm346.0000°; P -1.2400,Plg19.0000° ,Azm252.0000° $M_0$1.10000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 70, comp=105, per= 50. Moment Tensor Solution. s60,c93; s9,c9; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s11.00000°,δ22.00000° ,λ111.00000°. NP2:ϕ_s169.00000°,δ69.00000°,λ82.00000°. Principal axes: T 1.0200,Plg65.0000°,Azm65.0000°; N 0.1100,Plg8.0000°,Azm172.0000° ; P -1.1300,Plg24.0000°,Azm265.0000° $M_0$1.10000×10^{17}

(116) Central Peru
ISC XI 24 00 25 14.0–1.9 10.56S–.05 75.29W–.07 8–12 4.0b 31 2-146
IDC XI 24 00 25 14.7–4.3 10.46S 75.36W 15–27 4.1,4.1L **¶12074626**
NEIC XI 24 00 25 19.0–.73 10.55S 75.50W 50–8 4.0b,4.1L
ISC Event type fe.
IDC Error ellipse: s-maj=23.5km s-min=20.0km az=76.0.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=6.5km az=69.0. Felt [II] at Huancabamba.

(236) Shikoku
JMA XI 24 00 41 02.8 33.62N 134.46E 34 3.9
NIED XI 24 00 41 00 33.60N 134.50E 20 3.5W **¶11751108**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s144.00000°,δ71.00000°,λ-175.00000°. NP2:ϕ_s53.00000°,δ85.00000°,λ-19.00000°. Principal axes: T Plg10.0000°,Azm100.0000°; N Plg70.0000°,Azm219.0000°; P Plg17.0000° ,Azm7.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ87.00000°,λ172.00000°. NP2:ϕ_s235.00000°,δ82.00000°,λ3.00000°. $M_0$2.37000×10^{14}

(238) Ryukyu Islands
ISC XI 24 06 28 24.3–.44 29.25N–.03 130.50E–.04 43–3 4.6b,3.9s 187 1-115
NIED XI 24 06 28 00 29.30N 130.50E 17 4.5W,3.9s **¶13400996**
BJI XI 24 06 28 18.3 28.85N 130.98E 46 4.8b,4.6b
IDC XI 24 06 28 18.3–.58 29.36N 130.49E 0 4.5,4.4
MOS XI 24 06 28 21.0–1.1 29.23N 130.52E 33 4.7b,4.4
ISCJB XI 24 06 28 22.9–.42 29.23N–.02 130.54E–.04 49–3 4.6b,3.9s
JMA XI 24 06 28 23.1 29.27N 130.47E 65–3 4.4,3.9s
NEIC XI 24 06 28 24.9–.77 29.25N 130.50E 50–7 4.6b,4.5W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ77.00000°,λ80.00000°. NP2:ϕ_s244.00000°,δ16.00000°,λ129.00000°. $M_0$6.46000×10^{15}
IDC Error ellipse: s-maj=19.1km s-min=14.1km az=68.0.
MOS Error ellipse: s-maj=10.9km s-min=6.5km az=108.3.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.5km az=25.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=6.9km az=118.0. Recorded [2 JMA] on Akuseki-jima and Suwanose-jima. Moment Tensor Solution. $M_0$6.50000×10^{15}

(663) Sea of Okhotsk
ISC XI 24 09 03 00.0–.06 54.22N–.01 154.29E–.02 505 6.5b 2432 2-162
BGS XI 24 09 02 51.4–1.4 53.47N 157.72E 490–0 6.2b **¶13401002**
KRSC XI 24 09 02 53.7–.80 53.83N 155.26E 567–56 6.3L
IDC XI 24 09 02 56.0–.44 54.21N 154.38E 456–4 5.7b,5.7
SZGRF XI 24 09 02 56.7 53.20N 154.03E 531 6.7b,5.7
MOS XI 24 09 02 58.2–1.0 54.11N 154.53E 508 6.5b,6.2s
NEIC XI 24 09 02 58.8–.26 54.20N 154.32E 492–3 7.3W,7.3W
ISCJB XI 24 09 02 58.7–.06 54.20N–.01 154.36E–.02 503 6.5b,7.3W
BJI XI 24 09 02 58.0 54.03N 154.54E 509 7.1b,6.6b
TEH XI 24 09 02 58.0 54.18N 154.31E 488 7.1b,6.6b
DJA XI 24 09 03 04 54.20N 154.31E 562 6.8W,6.6b
GCMT XI 24 09 03 09.5–.10 54.27N 154.71E 502–1 7.3W,6.6b
ISC Event type fe.
BGS Error ellipse: s-maj=159.4km s-min=416.8km az=-1.0.
KRSC Event type se.
IDC Error ellipse: s-maj=5.5km s-min=4.2km az=127.0.
SZGRF Sea of Okhotsk.
MOS Event type fe. Error ellipse: s-maj=7.5km s-min=5.3km az=78.7. Fault plane solution: P-wave C81, D897 . Felt (IV) at Petropavlovsk-Kamchatskiy, Magadan; (II-III) at Severo-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s242.00000° ,δ7.00000°,λ-61.00000°. NP2:ϕ_s33.00000°,δ84.00000°,λ-94.00000°. Principal axes: T Plg38.0000°,Azm126.0000°; N Plg4.0000°,Azm34.0000°; P Plg51.0000°,Azm299.0000°
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=160.0. Felt at Petropavlovsk-Kamchatskiy. Recorded [1 JMA] in eastern and southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Complex earthquake observed on broadband displacement seismograms. A small event is followed by at least two larger events about 6 and 10 seconds later. Focal mechanism and depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s35.00000°,δ80.00000°,λ-105.00000°. NP2:ϕ_s272.00000°,δ18.00000°,λ-34.00000°. Principal axes: T Plg33.0000°,Azm138.0000°; N Plg0.0000°,Azm0.0000°; P Plg53.0000° ,Azm287.0000° Moment Tensor Solution. s174 Moment tensor: Scale 10^{20}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s271.00000° ,δ17.00000°,λ-34.00000°. NP2:ϕ_s34.00000°,δ81.00000°,λ-104.00000°. Principal axes: T 1.0200,Plg34.0000°,Azm135.0000°; N 0.1100,Plg13.0000°,Azm36.0000° ; P -1.1300,Plg52.0000°,Azm287.0000° $M_0$1.10000×10^{20} Moment Tensor Solution. $M_8$8.00000×10^{19}
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.2km az=168.3.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 120 sta. Moment Tensor Solution. s122,c344; s99,c295; Moment tensor: Scale 10^{20}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s276.00000°,δ19.00000°,λ-29.00000°. NP2:ϕ_s34.00000° ,δ81.00000°,λ-106.00000°. Principal axes: T 1.0400,Plg34.0000°,Azm138.0000° ; N 0.1600,Plg16.0000°,Azm36.0000°; P -1.1900,Plg51.0000°,Azm285.0000° $M_0$1.10000×10^{20}

(219) Off east coast of Kamchatka Peninsula
ISC XI 24 18 44 20.9–.28 52.94N–.03 159.58E–.03 69–2 4.8b 726 0-161
BJI XI 24 18 44 16.5 53.17N 159.78E 63 4.8b,4.8b **¶13401033**
IDC XI 24 18 44 18.0–.49 53.03N 159.58E 44–4 5.1L,4.6
NEIC XI 24 18 44 17.6–.21 52.99N 159.64E 43 4.8b,4.6
MOS XI 24 18 44 17.5–1.4 52.93N 159.68E 58 5.0b,4.6
KRSC XI 24 18 44 18.3–.10 52.86N 159.95E 49–30 5.3L,4.6
ISCJB XI 24 18 44 19.1–.29 52.89N–.03 159.68E–.03 70–2 4.8b,4.6
SZGRF XI 24 18 44 25.3 53.30N 158.85E 33 5.1b,4.6
ISC Event type fe.
IDC Error ellipse: s-maj=11.7km s-min=8.7km az=138.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.2km az=159.0.
MOS Event type fe. Error ellipse: s-maj=7.9km s-min=4.4km az=91.3. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.4km az=164.7.
SZGRF Near east coast of Kamchatka Peninsula, Russia.

(228) Near east coast of eastern Honshu
ISC XI 24 22 59 55.4–1.2 35.93N–.03 141.63E–.05 10–6 4.3b,3.6s 120 1-147
IDC XI 24 22 59 54.4–.61 35.89N 141.51E 0 4.2,4.2 **¶11528434**
MOS XI 24 22 59 56.7–1.3 35.90N 141.64E 33 4.4b,4.2
ISCJB XI 24 22 59 56.0–1.1 35.92N–.03 141.64E–.06 27–7 4.3b,3.6s
NEIC XI 24 22 59 58.5–4.2 35.85N 141.49E 29–29 4.6b,4.2W
JMA XI 24 22 59 58.4–.20 35.95N 141.45E 39–2 4.3,4.2W
NIED XI 24 23 00 00 36.00N 141.50E 26 4.2W,4.2W
ISC Event type fe.
IDC Error ellipse: s-maj=18.1km s-min=13.5km az=87.0.
MOS Error ellipse: s-maj=13.9km s-min=8.5km az=130.4.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.6km az=173.2.
NEIC Event type fe. Error ellipse: s-maj=14.5km s-min=9.4km az=67.0. Recorded [2 JMA] in Ibaraki and [1 JMA] in Chiba and Tochigi. Moment Tensor Solution. $M_0$2.20000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ74.00000°,λ79.00000°. NP2:ϕ_s235.00000°,δ19.00000°,λ123.00000°. $M_0$2.19000×10^{15}

(39) Central California
ISC XI 25 04 11 36.2–.17 36.00N–.01 117.30W–.01 10 2.8s 163 0-30
ISCJB XI 25 04 11 34.6–.20 36.07N–.01 117.25W–.02 10 2.8s **¶11474932**
IDC XI 25 04 11 36.0–1.9 35.92N 117.29W 0 3.5b,3.5
NEIC XI 25 04 11 36.2 35.97N 117.33W 1 3.9L,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.8km az=144.5.
IDC Error ellipse: s-maj=27.5km s-min=10.4km az=53.0.
NEIC Event type fe. Felt [II] at Trona. After PAS.

(89) Mona Passage
ISC XI 25 05 55 18.9–.64 18.18N–.05 67.33W–.04 20–4 3.3b 53 0-69
IDC XI 25 05 55 16.9–1.0 18.77N 66.97W 0 3.7,3.6 **¶11474937**
ISCJB XI 25 05 55 18.3–.61 18.19N–.06 67.36W–.04 25–3 3.3b,3.6
NEIC XI 25 05 55 19.8 18.18N 67.30W 21 3.3,3.6
RSPR XI 25 05 55 19.8 18.18N 67.30W 21–1 3.3,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=60.3km s-min=14.5km az=36.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=6.0km az=13.1.
NEIC Event type fe. Felt [V] at Aguada, Isabela and Mayaguez. After RSPR.
RSPR Event type ke.

(259) Mindanao
ISC XI 25 10 21 21.5–.57 7.88N–.02 124.23E–.03 14–3 4.8b,4.2s 211 1-145
DJA XI 25 10 21 16 8.60N 124.04E 74 5.4b,4.2s **¶11474942**
MAN XI 25 10 21 21 7.96N 124.19E 2 5.4b,4.7s
ISCJB XI 25 10 21 21.3–.52 7.84N–.02 124.25E–.03 26–3 4.8b,4.2s
MOS XI 25 10 21 21.9–1.1 7.91N 124.20E 33 5.1b,4.2s
BJI XI 25 10 21 22.3 7.82N 123.95E 19 5.0b,4.8b
IDC XI 25 10 21 23.9–3.5 7.89N 124.20E 33–27 4.5,4.3
NEIC XI 25 10 21 25.1–.84 7.86N 124.22E 44–8 5.0b,4.3
GCMT XI 25 10 21 25.3–.30 7.97N 124.26E 24–1 4.9W,4.3
ISC Event type fe.
MAN Event type fe. INTENSITY III - OZAMIS CITY; INTENSITY II - ILIGAN CITY; CAGAYAN DE ORO CITY; COTABATO CITY; SULTAN KUDARAT.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.4km az=153.9.
MOS Error ellipse: s-maj=16.7km s-min=7.1km az=117.5.
IDC Error ellipse: s-maj=23.5km s-min=11.2km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=3.7km az=62.0. Felt [III PIVS] at Ozamiz City and [II PIVS] at Cagayan de Oro, Cotabato, Iligan and Sultan Kudarat.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s16,c18; s58,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}0.31±.15 $M_{\theta\theta}$1.61±.09; $M_{\phi\phi}$-1.92±.13; $M_{r\theta}$-1.04±.17; $M_{\theta\phi}$-1.18±.08; $M_{\phi r}$-0.10±.14; Best double couple: NP1:ϕ_s334.00000°,δ66.00000°,λ12.00000°. NP2:ϕ_s240.00000°,δ79.00000°,λ155.00000°. Principal axes: T 2.4200,Plg25.0000° ,Azm195.0000°; N -0.0800,Plg63.0000°,Azm38.0000°; P -2.3400,Plg9.0000°,Azm289.0000° M_o2.40000×10^{16}

(162) South Island
WEL XI 25 11 05 15.8–.37 45.32S 167.06E 30–1 4.2L
¶11522111
WEL Event type fe. Error ellipse: s-maj=4.4km s-min=3.4km az=90.0. Felt in the Fiordland region, maximum reported intensity MM 4.

(244) Taiwan
ISC XI 26 01 00 24.5–.29 23.91N–.01 121.52E–.02 14–2 85 0-2
NEIC XI 26 01 00 23.8–.93 23.91N 121.52E 14–8 3.9L **¶13401123**
ISCJB XI 26 01 00 24.6–.29 23.91N–.01 121.51E–.02 12–2 3.9L
TAP XI 26 01 00 24.5 23.93N 121.47E 15–0 3.5L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=16.8km s-min=5.8km az=111.0. Recorded [4 TAP] in Hua-lien and [1 TAP] in Nan-t'ou and I-lan.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.9km az=19.9.
TAP B.

(244) Taiwan
ISC XI 26 01 30 57.3–.32 23.92N–.01 121.52E–.02 14–2 76 0-2
NEIC XI 26 01 30 56.5–1.0 23.92N 121.52E 15–13 3.8L **¶13401131**
ISCJB XI 26 01 30 57.4–.36 23.91N–.01 121.54E–.03 17–4 3.8L
TAP XI 26 01 30 57.2 23.93N 121.47E 16–0 3.3L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=18.9km s-min=7.4km az=114.0. Recorded [3 TAP] in Hua-lien and [1 TAP] in Nan-t'ou.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.1km az=19.8.
TAP B.

(249) Luzon
ISC XI 26 05 57 27.4–.54 18.55N–.03 120.70E–.07 29–5 3.8b,3.4s 52 0-116
IDC XI 26 05 57 20.9–.72 18.36N 120.96E 0 3.9,3.8 **¶12074863**
NEIC XI 26 05 57 22.0–.47 18.21N 120.86E 10 4.3b,3.8
MAN XI 26 05 57 25 18.59N 120.72E 1 4.9b,3.8s
ISCJB XI 26 05 57 26.6–.41 18.61N–.02 120.64E–.08 34–7 3.8b,3.4s
ISC Event type fe.
NEIC Event type fe. Felt [II PIVS] at Pasuquin.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE.
ISCJB Event type fe.

(250) Mindoro
ISC XI 26 12 07 38.6–.46 13.38N–.03 120.42E–.05 46–5 4.7b,3.5s 153 0-91
IDC XI 26 12 07 32.0–.62 13.43N 120.38E 0 4.4,4.3 **¶13401161**
BJI XI 26 12 07 32.0 13.69N 121.36E 21 4.8b,4.4b
MAN XI 26 12 07 33 13.38N 120.26E 1 5.4b,4.7s
MOS XI 26 12 07 34.9–.72 13.57N 120.70E 33 4.6b,4.7s
ISCJB XI 26 12 07 37.4–.46 13.38N–.03 120.40E–.05 51–5 4.7b,3.5s
NEIC XI 26 12 07 40.4–.87 13.65N 120.80E 66–8 4.7b,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=19.5km s-min=13.4km az=84.0.
MOS Error ellipse: s-maj=22.0km s-min=8.1km az=121.8.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.6km az=167.5.
NEIC Event type fe. Error ellipse: s-maj=13.7km s-min=7.1km az=68.0. Felt [II PIVS] at Paluan.

(250) Mindoro
ISC XI 26 12 25 41.8–1.1 13.40N–.04 120.27E–.08 5–10 4.0b 20 0-46
MAN XI 26 12 25 41 13.41N 120.24E 5 4.6b,3.5L **¶12074895**
IDC XI 26 12 25 41.9–1.1 13.29N 120.60E 0 4.3,4.0b
ISC Event type fe.
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.
IDC Error ellipse: s-maj=27.0km s-min=15.4km az=93.0.

(250) Mindoro
ISC XI 26 12 45 09.3–.69 13.34N–.04 120.26E–.06 38–9 4.2b 38 0-80
IDC XI 26 12 45 03.8–.88 13.40N 120.38E 0 4.4,4.2 **¶12074897**
MAN XI 26 12 45 04 13.34N 120.28E 1 4.7b,3.5s
ISCJB XI 26 12 45 08.3–.64 13.34N–.04 120.25E–.06 45–8 4.2b,3.5s
NEIC XI 26 12 45 10.1–1.2 13.48N 120.57E 50–13 4.2b,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=21.5km s-min=15.9km az=96.0.
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=5.9km az=17.3.
NEIC Event type fe. Error ellipse: s-maj=16.3km s-min=8.3km az=56.0. Felt [II PIVS] at Paluan.

(250) Mindoro
ISC XI 27 01 04 04.9–.49 13.35N–.03 120.41E–.04 52–5 4.8b,3.6s 180 1-94
IDC XI 27 01 03 57.6–.63 13.33N 120.25E 0 4.4,4.3 **¶13401222**
MAN XI 27 01 03 58 13.36N 120.28E 1 5.1b,4.3s
MOS XI 27 01 04 00.8–1.0 13.40N 120.48E 33 4.9b,4.3s
ISCJB XI 27 01 04 03.4–.47 13.35N–.03 120.41E–.04 55–5 4.8b,3.6s
NEIC XI 27 01 04 05.4–.87 13.49N 120.61E 60–8 4.7b,3.6s
BJI XI 27 01 04 06.6 13.42N 120.84E 98 4.8b,4.6b
TEH XI 27 01 04 08.0 13.49N 120.75E 91 4.8b,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=15.0km s-min=10.9km az=123.0.
MAN Event type fe. INTENSITY III - PALUAN OCCIDENTAL MINDORO.
MOS Error ellipse: s-maj=17.1km s-min=7.7km az=120.6.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.7km az=169.5.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=6.9km az=69.0. Felt [III PIVS] at Paluan.

(117) Southern Peru
ISC XI 27 03 04 57.5–.20 15.88S–.03 73.43W–.05 77 5.0b 233 4-172
MOS XI 27 03 04 51.4–.90 15.76S 73.48W 33 5.3b **¶11479741**
ISCJB XI 27 03 04 55.5–.20 15.87S–.03 73.51W–.05 75 5.0b
BJI XI 27 03 04 57.4 15.90S 73.50W 75 5.5s,5.3b
NEIC XI 27 03 04 57.3–.18 15.87S 73.45W 75 5.1b,5.3b
IDC XI 27 03 04 57.2–.37 15.83S 73.43W 74–2 4.8,4.7
LDG XI 27 03 04 58.4–.50 15.53S 73.05W 79–0 5.1b,4.0s
GCMT XI 27 03 05 00.6–.30 15.94S 73.49W 80–2 5.0W,4.0s
ISC Event type fe.
MOS Error ellipse: s-maj=14.2km s-min=7.5km az=105.7.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=3.7km az=151.1.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.2km az=68.0. Felt [IV] at Chala and [II] at Coracora. Also felt at Arequipa and Camana.
IDC Error ellipse: s-maj=14.2km s-min=9.0km az=56.0.
LDG Event type ke. Error ellipse: s-maj=30.6km s-min=11.7km az=45.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s54,c70; s73,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}3.20±.18 $M_{\theta\theta}$-4.77±.14; $M_{\phi\phi}$1.57±.19; $M_{r\theta}$-1.80±.11; $M_{\theta\phi}$-1.27±.18; $M_{\phi r}$0.61±.13; Best double couple: NP1:ϕ_s54.00000°,δ39.00000°,λ52.00000°. NP2:ϕ_s279.00000°,δ60.00000°,λ117.00000°. Principal axes: T 3.9200,Plg64.0000° ,Azm237.0000°; N 1.4200,Plg23.0000°,Azm85.0000°; P -5.3400,Plg11.0000°,Azm351.0000° M_o4.60000×10^{16}

(80) Panama-Costa Rica border region
ISC XI 27 07 25 18.8–1.1 8.3N–.10 82.84W–.07 34–6 3.5b 55 0-142
IDC XI 27 07 25 14.5–2.1 8.95N 82.34W 0 4.1L,4.0 **¶12075011**
NEIC XI 27 07 25 17.4 8.26N 82.81W 25 4.5,4.0
ISCJB XI 27 07 25 18.1–.78 8.4N–.10 82.81W–.10 52–7 3.5b,4.0
CASC XI 27 07 25 19.7–2.7 8.40N 82.85W 35–8 4.3,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=70.7km s-min=26.6km az=26.0.
NEIC Event type fe. Felt at Puerto Armuelles, Panama. After CASC.
ISCJB Event type fe. Error ellipse: s-maj=23.9km s-min=7.9km az=39.8.
CASC Error ellipse: s-maj=17.5km s-min=15.1km az=-1.0.

(244) Taiwan
ISC XI 27 15 57 04.3–.37 24.30N–.01 121.84E–.02 12–2 115 0-19
ISCJB XI 27 15 57 03.7–.41 24.29N–.01 121.86E–.02 8–2 **¶11482884**
TAP XI 27 15 57 04.2 24.32N 121.78E 22–0 4.2L
NEIC XI 27 15 57 04.2 24.33N 121.75E 22 4.2L
BJI XI 27 15 57 11.8 24.62N 121.05E 10 4.2s,3.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.1km az=13.0.
TAP B.
NEIC Event type fe. Recorded [5 TAP] in I-lan, [3 TAP] in Hua-lien and [1 TAP] in Nan-t'ou and T'ao-yuan. After TAP.

(396) Northern Algeria
MDD XI 27 17 38 23.5–.37 36.59N 5.11E 0 4.1b
CRAAG XI 27 17 38 20.4 36.55N 5.02E 4.0L **¶11490464**
CSEM XI 27 17 38 23.0–.16 36.66N 5.21E 2 4.0L
NEIC XI 27 17 38 23.7–.49 36.64N 5.23E 10 3.5L
LDG XI 27 17 38 30.8–.29 37.13N 4.53E 10–0 3.6L
MDD Event type fe. Error ellipse: s-maj=7.2km s-min=3.6km az=43.0. EMS: IV INTENSIDAD MAXIMA-CRAAG. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=37.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.5km az=47.0.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=150.0.

(228) Near east coast of eastern Honshu
ISC XI 28 01 13 34.6–.80 37.89N–.04 141.87E–.07 50–7 4.0b 68 1-89
NIED XI 28 01 13 00 37.90N 141.80E 56 4.0W **¶11751283**
ISCJB XI 28 01 13 33.6–.80 37.87N–.04 141.88E–.07 58–7 4.0b
JMA XI 28 01 13 34.6–.10 37.88N 141.81E 53–1 4.2
IDC XI 28 01 13 34.4–2.2 37.89N 141.80E 50–21 3.9,3.8
NEIC XI 28 01 13 35.3–1.1 37.95N 141.84E 57–10 4.2b,3.8
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s207.00000°,δ56.00000°,λ91.00000°. NP2:ϕ_s26.00000°,δ34.00000°,λ88.00000°. M_o1.07000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=5.8km az=15.4.
JMA Event type fe.
IDC Error ellipse: s-maj=19.6km s-min=13.9km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=8.7km az=117.0. Recorded [2 JMA] in Fukushima and [1 JMA] in Miyagi.

(232) Western Honshu
JMA XI 28 04 16 45.0 35.09N 136.63E 11–1 2.5
¶14126576
JMA Event type fe.

(97) Near coast of Venezuela
ISC XI 28 04 18 39.9–.20 10.83N–.02 62.31W–.02 84–2 4.0b 155 0-146
ISCJB XI 28 04 18 38.8–.20 10.84N–.02 62.32W–.02 91–2 4.0b **¶11480308**
FUNV XI 28 04 18 39.9 10.85N 62.15W 72 3.8W
IDC XI 28 04 18 39.3–2.1 10.96N 62.47W 78–17 4.0,3.9
NEIC XI 28 04 18 40.4–.37 10.87N 62.34W 90–4 4.1b,4.0
TRN XI 28 04 18 40.9 10.84N 62.23W 85 4.0,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=136.3.
IDC Error ellipse: s-maj=16.4km s-min=12.7km az=148.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=5.1km az=223.0. Felt at Port-of-Spain, Trinidad.

(256) Leyte
MAN XI 28 04 26 29 10.30N 125.25E 15 4.3b,3.2L
¶13758047
MAN Event type fe. INTENSITY III - ST BERNARD SOUTHERN LEYTE.

(224) Hokkaido region
ISC XI 28 04 59 04.3–.93 42.16N–.04 139.25E–.06 20–5 3.8b 35 0-147
NIED XI 28 04 59 00 42.20N 139.10E 8 3.8W **¶11751284**
ISCJB XI 28 04 59 02.5–1.1 42.14N–.04 139.13E–.08 21–7 3.8b
JMA XI 28 04 59 03.3–.10 42.16N 139.15E 19–1 3.9
IDC XI 28 04 59 14.9–4.2 42.17N 138.94E 114–31 3.7,3.4b
NEIC XI 28 04 59 15.9–1.1 42.12N 139.08E 120–10 3.8b,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ57.00000°,λ100.00000°. NP2:ϕ_s189.00000°,δ35.00000°,λ76.00000°. M_o5.42000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=7.3km az=5.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=79.6km s-min=13.5km az=117.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.5km az=118.0.

(92) Leeward Islands
TRN XI 28 05 27 41.6 15.83N 61.58W 22 3.6,3.1
¶14188600
TRN Event type fe. Felt V Guadeloupe.

(274) Southern Sumatera
ISC XI 28 08 50 50.2–.32 4.76S–.02 101.74E–.02 42–2 5.9s,5.7b 674 1-176
SZGRF XI 28 08 50 42.8 4.28S 104.73E 33 5.8s,5.7b **¶11480320**
BJI XI 28 08 50 43.6 5.33S 101.79E 41 6.2s,6.1b
IDC XI 28 08 50 43.6–.43 4.76S 101.73E 0 5.7s,5.7
DJA XI 28 08 50 47.3–.60 5S–2.0 102E–2.0 19–5 6.3,6.2b
ISCJB XI 28 08 50 47.7–.37 4.77S–.02 101.72E–.02 36–3 5.9s,5.7b
NEIC XI 28 08 50 47.9–.14 4.76S 101.76E 25 5.9s,5.9
MOS XI 28 08 50 48.2–1.1 4.55S 101.82E 33 5.9b,5.8s
TEH XI 28 08 50 49.0 4.86S 101.62E 35 5.9b,5.8s
GCMT XI 28 08 50 51.6–.10 5.09S 101.55E 23 5.9W,5.8s
ISC Event type fe.
SZGRF Southern Sumatera, Indonesia.
IDC Error ellipse: s-maj=16.7km s-min=11.3km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.7km az=35.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.9km az=56.0. Felt [III] at Bengkulu, Kapahiang and Krui. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s120.00000°,δ80.00000°,λ90.00000°. NP2: ϕ_s300.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm30.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm210.0000° Moment Tensor Solution. s82 Moment tensor: Scale 10^{17}Nm; M_{rr}4.47 $M_{\theta\theta}$-1.64 $M_{\phi\phi}$-2.83 $M_{r\theta}$5.43 $M_{\theta\phi}$0.78 $M_{\phi r}$-2.51 Best double couple: NP1:ϕ_s330.00000°,δ18.00000°,λ118.00000°. NP2:ϕ_s121.00000° ,δ74.00000°,λ82.00000°. Principal axes: T 7.9500,Plg59.0000°,Azm19.0000° ; N -1.8800,Plg8.0000°,Azm123.0000°; P -6.0700,Plg28.0000°,Azm218.0000° M_o7.20000×10^{17}
MOS Error ellipse: s-maj=8.3km s-min=4.7km az=111.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 93, comp=155, per= 50. Moment Tensor Solution. s103,c198; s62,c72; Moment tensor: Scale 10^{17}Nm; M_{rr}4.64±.07 $M_{\theta\theta}$-2.92±.05; $M_{\phi\phi}$-1.72±.07; $M_{r\theta}$7.22±.11; $M_{\theta\phi}$2.62±.04; $M_{\phi r}$-3.78±.11; Best double couple: NP1:ϕ_s319.00000°,δ16.00000°,λ109.00000°. NP2:ϕ_s119.00000°,δ75.00000°,λ85.00000°. Principal axes: T 9.3600,Plg60.0000°,Azm21.0000°; N 0.2200,Plg5.0000°,Azm120.0000° ; P -9.5900,Plg30.0000°,Azm213.0000° M_o9.50000×10^{17}

(210) South of Mariana Islands
ISC XI 28 09 53 08.7–.63 12.82N–.03 143.53E–.06 122–7 4.9b 131 2-149
BJI XI 28 09 53 03.9 12.55N 143.73E 118 5.2b,4.9b **¶11480322**
ISCJB XI 28 09 53 07.3–.63 12.82N–.03 143.53E–.06 126–7 4.9b,4.9b
IDC XI 28 09 53 08.6–1.1 12.83N 143.59E 126–10 4.4,4.3b

NEIC XI 28 09 53 08.6–.24 12.82N 143.52E 123 4.9b,4.3b
DJA XI 28 09 53 09 13.03N 143.58E 134 5.1b,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=5.4km az=174.7.
IDC Error ellipse: s-maj=15.0km s-min=10.0km az=85.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.7km az=80.0. Felt at Barrigada and Hagatna.

(250) Mindoro

ISC XI 28 11 03 56.1–.41 13.40N–.03 120.58E–.04 76–4 4.9b 242 0-120
BJI XI 28 11 03 49.2 12.97N 120.91E 59 5.0b,4.8b **¶11480323**
MOS XI 28 11 03 49.5–.82 13.49N 120.73E 33 5.2b,4.8b
MAN XI 28 11 03 52 13.37N 120.22E 44 5.5b,4.8s
NEIC XI 28 11 03 55.0–.75 13.39N 120.56E 68–7 5.0b,4.8s
ISCJB XI 28 11 03 54.9–.45 13.38N–.03 120.57E–.04 80–4 4.9b,4.8s
IDC XI 28 11 03 55.2–.94 13.38N 120.52E 70–8 4.5,4.4
DJA XI 28 11 04 08 13.39N 120.50E 190 4.9b,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=16.6km s-min=5.9km az=120.1.
MAN Event type fe. INTENSITY IV - PALUAN OCCIDENTAL MINDORO; INTENSITY II- MANILA; PUERTO GALERA ORIENTAL MINDORO.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=5.4km az=67.0. Felt [IV PIVS] at Paluan and [II PIVS] at Puerto Galera. Also felt [II PIVS] at Manila, Quezon City and San Nicolas, Luzon.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.1km az=157.9.
IDC Error ellipse: s-maj=17.2km s-min=10.8km az=70.0.

(265) Minahassa Peninsula, Sulawesi

ISC XI 28 12 56 43.2–.63 0.20N–.05 119.43E–.05 50–7 4.0b,3.7s 56 2-129
ISCJB XI 28 12 56 41.6–.67 0.21N–.05 119.43E–.05 54–7 4.0b,3.7s **¶12075141**
DJA XI 28 12 56 41 0.10N 119.46E 10 4.9,3.7s
IDC XI 28 12 56 42.0–.75 0.13N 119.36E 41–5 3.9,3.8
NEIC XI 28 12 56 42.4–.80 0.18N 119.40E 42–9 4.5b,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=7.4km az=150.8.
IDC Error ellipse: s-maj=34.1km s-min=12.1km az=59.0.
NEIC Event type fe. Error ellipse: s-maj=25.3km s-min=7.6km az=63.0. Felt [III] at Kasimbar and Parigi.

(45) California-Baja California border region

NEIC XI 28 13 31 52.7 32.50N 115.33W 6 3.4L,2.9L
ECX XI 28 13 31 52.7–.56 32.50N 115.33W 6–0 3.3L,3.2 **¶13401373**
NEIC Event type fe. Felt near Calexico, California. After ECX.
ECX Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.

(34) Off coast of northern California

ISC XI 28 13 42 21.6–.64 40.46N–.01 126.96W–.03 21–4 5.4s,5.2b 904 2-165
MOS XI 28 13 42 17.8–1.2 40.40N 126.88W 10 5.5s,5.5b **¶11480327**
BJI XI 28 13 42 18.4 40.30N 127.00W 10 5.6s,5.5b
NEIC XI 28 13 42 18.7–.24 40.35N 126.98W 10 5.9W,5.8W
ISCJB XI 28 13 42 18.9–.64 40.55N–.01 126.87W–.02 10–4 5.4s,5.2b
IDC XI 28 13 42 19.3–.83 40.56N 126.80W 0 5.2,5.2s
GCMT XI 28 13 42 23.5–.10 40.35N 127.04W 23–0 5.9W,5.2s
SZGRF XI 28 13 42 31.6 42.10N 129.60W 33 5.8b,5.6s
ISC Event type fe.
MOS Error ellipse: s-maj=5.4km s-min=5.0km az=26.5.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=42.0. Felt at Littleriver and Redway. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-0.13 $M_{r\theta}$1.02 $M_{\theta\phi}$-6.81 $M_{\phi r}$0.95 Best double couple: NP1:ϕ_s180.00000°,δ82.00000°,λ-7.00000°. NP2:ϕ_s271.00000°,δ83.00000°,λ-172.00000°. Principal axes: T 6.6300,Plg0.0000°,Azm45.0000°; N 0.6100,Plg79.0000°,Azm312.0000°; P -7.2400,Plg10.0000°,Azm135.0000° $M_0$7.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=150.8.
IDC Error ellipse: s-maj=21.2km s-min=10.2km az=33.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=122, comp=282, per= 50. Moment Tensor Solution. s102,c221; s79,c117; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15±.01 $M_{\theta\theta}$0.06±.01; $M_{\phi\phi}$0.08±.01; $M_{r\theta}$-0.09±.01; $M_{\theta\phi}$-1.02±.01; $M_{\phi r}$0.10±.02; Best double couple: NP1:ϕ_s270.00000°,δ85.00000°,λ176.00000°. NP2:ϕ_s0.00000°,δ86.00000°,λ5.00000°. Principal axes: T 1.1100,Plg6.0000°,Azm225.0000°; N -0.1600,Plg84.0000°,Azm41.0000°; P -0.9500,Plg0.0000°,Azm135.0000° $M_0$1.00000×10^{18}
SZGRF Off coast of Oregon, United States.

(377) Spain

ISC XI 28 18 58 00.4–.41 37.43N–.02 2.44W–.02 1–2 194 0-9
ISCJB XI 28 18 57 59.9–.33 37.44N–.03 2.45W–.02 10 **¶11490808**
CSEM XI 28 18 58 00.4–.13 37.42N 2.43W 2 3.6L
MDD XI 28 18 58 01.3–.29 37.35N 2.40W 11–0 2.8
INMG XI 28 18 58 01.3–1.3 37.37N 2.21W 19–5 3.1L
SFS XI 28 18 58 01.0 37.66N 2.40W 0 2.9L
LDG XI 28 18 58 01.4–.19 37.34N 2.43W 2–0 3.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.2km az=159.9.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=148.0.
MDD Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=126.0. EMS:II TIJOLA. PRIMO.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=2.5km az=82.0.
SFS Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=142.0.

(138) La Rioja Province

ISC XI 28 20 51 27.5–1.3 29.0S–.10 67.0W–.10 35 9 3-150
IDC XI 28 20 51 19.4–1.4 28.85S 67.39W 0 4.4L,3.4 **¶12075182**
ISCJB XI 28 20 51 24.8–1.3 29.01S–.10 66.9W–.10 33 4.4L,3.4
NEIC XI 28 20 51 26.9–1.3 29.10S 67.03W 52–15 4.1,3.4
ISC Event type fe.
IDC Error ellipse: s-maj=59.3km s-min=27.5km az=119.0.
ISCJB Event type fe. Error ellipse: s-maj=16.3km s-min=11.3km az=139.2.
NEIC Event type fe. Error ellipse: s-maj=21.5km s-min=15.4km az=170.0. Felt [IV] at La Rioja.

(244) Taiwan

ISC XI 28 22 36 22.0–.42 24.39N–.02 121.90E–.02 0–3 79 0-2
ISCJB XI 28 22 36 21.7–.48 24.40N–.02 121.90E–.03 2–3 **¶11480436**
TAP XI 28 22 36 21.9 24.40N 121.85E 18–0 3.3L
NEIC XI 28 22 37 11.3 24.32N 121.79E 20 4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.6km az=24.5.
TAP B.
NEIC Event type fe. Recorded [4 TAP] in I-lan and [2 TAP] in Hua-lien. After TAP.

(398) Sicily

ISC XI 28 23 39 23.3–.24 37.65N–.02 13.83E–.02 36–5 3.8b,3.2s 209 0-67
CSEM XI 28 23 39 20.9–.16 37.63N 13.83E 10 4.2L,3.2s **¶11490810**
ISCJB XI 28 23 39 22.0–.24 37.65N–.03 13.80E–.03 50–4 3.8b,3.2s
NEIC XI 28 23 39 21.0 37.54N 13.69E 35 4.2L,3.2s
ROM XI 28 23 39 22.2–.17 37.62N 13.82E 35–2 4.2L,3.2s
LDG XI 28 23 39 23.9–.12 37.50N 13.83E 25–0 3.4L,3.2s
IDC XI 28 23 39 24.8–2.3 37.68N 13.76E 56–28 3.9L,3.5b
ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=29.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=30.8.
NEIC Event type fe. Felt at Palermo and Ragusa. After ROM.
ROM Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=43.0.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=1.7km az=24.0.
IDC Error ellipse: s-maj=21.7km s-min=12.7km az=122.0.

(228) Near east coast of eastern Honshu

JMA XI 29 06 07 09.0–.10 40.37N 142.26E 40–1 3.9
NIED XI 29 06 07 00 40.40N 142.30E 38 3.7W **¶11751309**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s1.00000°,δ87.00000°,λ76.00000°. NP2:ϕ_s257.00000°,δ14.00000°,λ166.00000°. $M_0$3.49000×10^{14}

(1) Central Alaska

ISC XI 29 07 10 34.5–.12 63.15N–.02 149.78W–.03 101 4.7b 421 0-153
ISCJB XI 29 07 10 32.9–.12 63.16N–.02 149.76W–.03 99 4.7b **¶13401458**
MOS XI 29 07 10 32.5–.83 63.21N 149.81W 99 4.9b
BJI XI 29 07 10 32.2 63.43N 149.95W 95 5.2b,5.0b
NEIC XI 29 07 10 34.0 63.11N 149.58W 95 4.7b,5.0b
IDC XI 29 07 10 34.6–.59 63.28N 149.77W 101–5 4.3,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.1km az=28.1.
MOS Error ellipse: s-maj=11.2km s-min=5.0km az=97.9.
NEIC Event type fe. Felt [III] at Anchorage, Eagle River and Trapper Creek; [II] at Chugiak, Elmendorf AFB, Palmer, Talkeetna, Wasilla and Willow. Also felt at Cantwell, Delta Junction, Denali National Park, Girdwood, Glennallen, Healy, Indian, Kenai, Moose Pass and Sterling. After AEIC.
IDC Error ellipse: s-maj=9.9km s-min=7.8km az=143.0.

(249) Luzon

ISC XI 29 09 27 22.9–.96 17.9N–.10 120.3E–.10 69–9 3.4b 13 0-43
IDC XI 29 09 27 14.2–1.4 18.70N 122.70E 0 4.4L,3.7 **¶13758317**
ISCJB XI 29 09 27 22.0–.95 18.0N–.10 120.3E–.10 78–9 3.4b,3.7
MAN XI 29 09 27 24 17.86N 120.27E 31 4.9b,3.8s
ISC Event type fe.
IDC Error ellipse: s-maj=72.2km s-min=19.9km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=19.2km s-min=16.9km az=1.2.
MAN Event type fe. INTENSITY II - STO. DOMINGO ILOCOS SUR.

(45) California-Baja California border region

ECX XI 29 10 53 23.9–.61 32.44N 115.31W 6–0 3.2L,3.1
NEIC XI 29 10 53 23.2 32.45N 115.31W 15 3.3L,3.0L **¶13401467**
ECX Error ellipse: s-maj=1.6km s-min=2.1km az=-1.0.
NEIC Event type fe. Felt near Calexico, California. After PAS.

(135) Near coast of central Chile

ISC XI 29 16 41 57.9–.20 29.88S–.02 71.27W–.06 64 4.7b 109 0-176
ISCJB XI 29 16 41 56.2–.21 29.87S–.02 71.43W–.06 62 4.7b **¶11482941**
IDC XI 29 16 41 56.9–.48 29.99S 71.35W 62–4 4.3,4.3
NEIC XI 29 16 41 57.1–.21 29.92S 71.19W 62 4.7b,4.5
BJI XI 29 16 41 57.7 29.90S 71.20W 63 5.4s,5.0b
GUC XI 29 16 41 57.9–.64 29.88S 71.20W 64–3 4.7L,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.1km az=173.9.
IDC Error ellipse: s-maj=21.3km s-min=12.4km az=72.0.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=5.2km az=60.0. Felt [III] at La Higuera and La Serena and [II] at Ovalle.
GUC Error ellipse: s-maj=1.4km s-min=7.3km az=-1.0.

(39) Central California

ISC XI 29 21 14 09.6–.28 35.96N–.02 117.34W–.02 10 55 1-97
BJI XI 29 21 14 07.0 36.00N 117.30W 10 5.3b,4.9b **¶11482946**
ISCJB XI 29 21 14 08.5–.32 35.97N–.02 117.33W–.03 10 5.3b,4.9b
NEIC XI 29 21 14 09.1 35.97N 117.33W 1 4.1W,4.9b
IDC XI 29 21 14 10.1–1.9 36.00N 117.28W 0 3.5,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=18.9.
NEIC Event type fe. Felt [II] at Trona. After PAS.
IDC Error ellipse: s-maj=26.3km s-min=10.2km az=50.0.

(259) Mindanao

ISC XI 29 23 58 40.3–2.1 9.38N–.06 125.55E–.06 3–13 3.9b,3.3s 34 1-120
MAN XI 29 23 58 43 9.41N 125.51E 34 4.6b,3.5L **¶12075292**
NEIC XI 29 23 58 48.6–2.3 9.27N 125.49E 71–20 4.1b,3.5L
IDC XI 29 23 58 50.1–3.2 9.20N 125.26E 84–29 3.8,3.7
ISC Event type fe.
MAN Event type fe. INTENSITY II - MAINIT SURIGAO DEL NORTE.
NEIC Event type fe. Error ellipse: s-maj=35.9km s-min=13.0km az=62.0. Felt [III PIVS] at Cabadbaran and [II PIVS] at Mainit.
IDC Error ellipse: s-maj=61.5km s-min=19.0km az=71.0.

(163) Cook Strait

ISC XI 30 05 08 25.2–.22 40.53S–.03 173.30E–.04 190–2 4.1b 147 1-163
ISCJB XI 30 05 08 24.3–.22 40.53S–.03 173.29E–.04 194–2 4.0b **¶11521178**
IDC XI 30 05 08 24.2–.56 40.48S 173.43E 185–5 4.2,4.1
NEIC XI 30 05 08 24.9–.43 40.45S 173.25E 182 4.6b,4.1
WEL XI 30 05 08 26.1–.26 40.48S 173.32E 188–2 5.3L,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.1km az=36.7.
IDC Error ellipse: s-maj=13.5km s-min=9.0km az=129.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=9.3km az=90.0. Felt at Wellington.
WEL Event type fe. Error ellipse: s-maj=1.6km s-min=0.7km az=90.0. Felt from Taranaki to Canterbury, and from West Coast to Wairarapa, maximum. reported intensity MM 4.

(163) Cook Strait

WEL XI 30 06 46 33.6–.13 41.89S 174.24E 12 3.9L
¶11521181
WEL Event type fe. Error ellipse: s-maj=1.4km s-min=1.2km az=0.0. Felt from Wellington to Marlborough, maximum reported intensity MM 5.

(39) Central California

ISC XI 30 13 03 07.2–.32 35.97N–.02 117.37W–.03 10 52 1-97
BJI XI 30 13 03 04.5 36.02N 117.54W 5 5.3b,5.2s **¶11482983**
ISCJB XI 30 13 03 06.0–.32 35.95N–.03 117.34W–.04 10 5.3b,5.2s
IDC XI 30 13 03 05.7–2.0 35.83N 117.40W 0 3.6,3.4
NEIC XI 30 13 03 07.3 35.97N 117.32W 4 4.0L,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=38.2.
IDC Error ellipse: s-maj=26.7km s-min=10.7km az=52.0.
NEIC Event type fe. Felt at Inyokern, Lancaster, Ridgecrest and Trona. After PAS.

(160) Off east coast of North Island

WEL XI 30 15 35 17.8–.29 36.68S 177.16E 33 4.2L
¶11521196
WEL Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=0.0. Felt in the Coromandel region, maximum reported intensity MM 4.

(706) Northern Sumatera

ISC XI 30 21 19 15.1–.50 1.82N–.03 99.03E–.04 44–5 4.4b,3.5s 131 1-147
IDC XI 30 21 19 08.8–.78 1.84N 99.19E 0 4.2,4.1 **¶12075363**
NEIC XI 30 21 19 11.9–2.3 1.75N 99.08E 21–16 4.4b,4.1
DJA XI 30 21 19 11 1.83N 99.02E 10 4.6,4.1
MOS XI 30 21 19 11.5–.94 1.74N 99.09E 33 4.8b,4.1
ISCJB XI 30 21 19 13.7–.51 1.82N–.03 99.04E–.04 51–5 4.4b,3.5s
ISC Event type fe.
NEIC Event type fe. Felt [III] at Sibolga.
ISCJB Event type fe.

(116) Central Peru

ISC XII 01 00 05 10.9–.57 11.48S–.04 75.57W–.05 100–5 4.7b 141 1-171
ISCJB XII 01 00 05 10.0–.66 11.47S–.04 75.62W–.06 109–6 4.7b **¶12075373**
NEIC XII 01 00 05 11.0–.58 11.47S 75.57W 103–5 4.9b
IDC XII 01 00 05 12.8–.39 11.68S 75.78W 123–3 4.3,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=5.5km az=149.4.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=4.1km az=63.0. Felt [III] at Yauyos and [II] at Concepcion.
IDC Error ellipse: s-maj=10.9km s-min=7.7km az=158.0.

(227) Eastern Honshu

JMA XII 01 04 05 52.2 36.61N 139.37E 8–1 2.6
¶15511667
JMA Event type fe.

(227) Eastern Honshu

ISC XII 01 06 20 32.0–.51 36.04N–.04 139.94E–.06 49–4 3.6b 26 0-58
NIED XII 01 06 20 00 36.10N 139.90E 53 4.0W **¶11751433**
ISCJB XII 01 06 20 31.0–.52 36.04N–.04 139.96E–.06 57–4 3.6b
JMA XII 01 06 20 32.3–.10 36.04N 139.91E 44–1 3.6
IDC XII 01 06 20 33.6–3.2 35.95N 139.73E 62–25 3.5,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ70.00000°,λ68.00000°. NP2:ϕ_s259.00000°,δ29.00000°,λ136.00000°. $M_0$1.00000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=6.2km az=156.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s41.00000°,δ74.00000°,λ87.00000°. NP2:ϕ_s230.00000°,δ16.00000°,λ99.00000°. Principal axes: T Plg61.0000°,Azm307.0000°; N Plg3.0000°,Azm42.0000°; P Plg29.0000°,Azm133.0000°
IDC Error ellipse: s-maj=37.2km s-min=24.4km az=66.0.

(161) Off west coast of South Island

WEL XII 01 11 03 31.9–.25 43.99S 168.99E 11–2 3.5L
¶11656582
WEL Event type fe. Error ellipse: s-maj=3.2km s-min=2.4km az=90.0. Felt in the West Coast region, maximum reported intensity MM 4.

(543) Germany

ISC XII 01 16 38 45.5–.35 51.46N–.02 6.50E–.03 0 152 0-6
STR XII 01 16 38 43.8–1.3 51.48N 6.95E 10–0 2.7L **¶11490844**

ISCJB XII 01 16 38 44.5–.35 51.43N–.02 6.47E–.04 0 2.7L
CSEM XII 01 16 38 45.6–.18 51.46N 6.48E 1 3.4L
BUG XII 01 16 38 45.9 51.48N 6.60E 1 2.6L
BGR XII 01 16 38 46.7–.63 51.48N 6.55E 1 2.9L
LDG XII 01 16 38 46.3–.10 51.51N 6.53E 1–0 3.3L,3.3
BNS XII 01 16 38 46.8–1.1 51.48N 6.56E 1 2.6L,3.3
ISC Event type sr.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISCJB Event type sr. Error ellipse: s-maj=3.7km s-min=2.3km az=30.9.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=2.8km az=120.0.
BNS Event type fi. Felt in Kamp Lint-Fort (IV) and Moers (II-IV).
BGR Event type ki. Error ellipse: s-maj=11.1km s-min=4.4km az=123.0.
LDG Event type sr. Error ellipse: s-maj=2.2km s-min=1.5km az=126.0. Suspected Mining induced.
BNS Event type ki.

(162) South Island

WEL XII 01 17 39 04.2–.08 44.35S 170.12E 13–1 4.1L
¶11656592

WEL Event type fe. Error ellipse: s-maj=1.2km s-min=0.7km az=90.0. Felt from Canterbury to Otago, maximum reported intensity MM 4.

(36) Northern California

ISC XII 01 19 41 32.3–.89 38.75N–.05 122.9W–.10 12–9 23 0-18
ISCJB XII 01 19 41 31.2–.67 38.72N–.05 122.92W–.10 10 **¶11484427**
IDC XII 01 19 41 31.1–3.5 38.85N 123.01W 0 3.8,3.6L
NEIC XII 01 19 41 31.8 38.82N 122.81W 4 3.3L,3.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=5.6km az=153.9.
IDC Error ellipse: s-maj=46.0km s-min=27.4km az=23.0.
NEIC Event type fe. Felt at Calistoga, Glen Ellen and Saint Helena. After NCEDC.

(460) Wyoming

ISC XII 01 20 06 52.2–.19 43.76N–.01 105.28W–.02 0 4.0b 176 0-90
ISCJB XII 01 20 06 51.2–.20 43.77N–.01 105.28W–.02 0 4.0b **¶12075445**
NEIC XII 01 20 06 51.8–.37 43.79N 105.22W 0 3.4L
IDC XII 01 20 06 52.8–.83 44.10N 105.69W 0 3.9b,3.9
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.8km az=3.7.
NEIC Event type fm. Error ellipse: s-maj=5.4km s-min=4.5km az=145.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.8km s-min=7.3km az=145.0.

(381) Central Italy

ISC XII 02 03 15 01.3–.28 43.62N–.02 13.31E–.02 14–2 305 0-9
CSEM XII 02 03 15 00.4–.11 43.59N 13.35E 10 3.7L **¶11490855**
NEIC XII 02 03 15 00.0 43.64N 13.36E 10 3.2L
ROM XII 02 03 15 00.8–.09 43.61N 13.32E 8–1 3.1L,3.0
SZGRF XII 02 03 15 01.6 43.64N 13.58E 10 3.7b,3.0
ISCJB XII 02 03 15 01.1–.26 43.65N–.02 13.27E–.02 21–2 3.7b,3.0
PRU XII 02 03 15 01.4 43.66N 13.10E 15 3.7b,3.0
LDG XII 02 03 15 01.2–.17 43.67N 13.49E 10–0 3.2L,3.0
BGR XII 02 03 15 01.6–.88 43.64N 13.58E 10 3.6L,3.0
GEN XII 02 03 15 03.9 43.75N 13.19E 9 3.2L,3.0
ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=100.0.
NEIC Event type fe. Felt [IV] at Chiaravalle. Also felt at Montemarciano and Senigallia. After ROM.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=49.0.
SZGRF Central Italy.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.5km az=38.3.
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=68.0.
BGR Event type ke. Error ellipse: s-maj=12.2km s-min=10.0km az=46.0.

(244) Taiwan

ISC XII 02 03 16 54.1–.28 23.31N–.01 121.57E–.01 34–1 5.2b,4.9s 842 0-177
NIED XII 02 03 16 00 23.40N 121.60E 35 5.3W,4.9s **¶11486871**
BJI XII 02 03 16 50.5 23.44N 121.51E 9 5.1s,5.1L
NEIC XII 02 03 16 53.3 23.28N 121.60E 30 5.3b,5.1W
ISCJB XII 02 03 16 53.6–.17 23.30N–.01 121.59E–.01 45–1 5.2b,4.9s
TAP XII 02 03 16 54.2 23.34N 121.49E 32–0 5.7L,4.9s
JMA XII 02 03 16 54.5–.20 23.35N 121.60E 82 5.2,4.9s
IDC XII 02 03 16 55.6–1.6 23.28N 121.46E 50–14 4.8,4.7b
DJA XII 02 03 16 56 23.39N 121.75E 49 5.3b,4.7b
MOS XII 02 03 16 56.0–.93 23.36N 121.66E 67 5.5b,5.1s
GCMT XII 02 03 16 56.2–.20 23.27N 121.52E 30–0 5.3W,5.1s
SZGRF XII 02 03 17 00.1 25.45N 122.64E 33 5.5b,4.9s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ84.00000°,λ98.00000°. NP2:ϕ_s165.00000°,δ10.00000°,λ37.00000°. $M_0$9.78000×10^{16}
NEIC Event type fe. Felt at Chang-hua, Nan-t'ou, Taipei and T'ao-yuan. Also felt at Fuzhou, China. Recorded [5 TAP] in T'ai-tung; [4 TAP] in Hua-lien; [3 TAP] in T'ai-chung; [2 TAP] in Chang-hua, Hsin-chu, I-lan, Kao-hsiung, P'eng-hu, T'ai-nan and Yun-lin; [1 TAP] in P'ing-tung, Taiwan. After TAP. Moment Tensor Solution. s29 Moment tensor: Scale 10^{16}Nm; M_{rr}5.82 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$-4.06 $M_{r\theta}$0.44 $M_{\theta\phi}$-2.64 $M_{\phi r}$1.19 Best double couple: NP1:ϕ_s31.00000°,δ51.00000°,λ87.00000°. NP2:ϕ_s216.00000°,δ39.00000°,λ94.00000°. Principal axes: T 5.9600,Plg83.0000°,Azm279.0000°; N -0.0400,Plg2.0000°,Azm32.0000°; P -5.9200,Plg6.0000°,Azm122.0000° $M_0$5.90000×10^{16} Moment Tensor Solution. $M_0$5.80000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=41.6.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=14.6km s-min=9.0km az=68.0.
MOS Error ellipse: s-maj=7.7km s-min=3.9km az=121.2.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c104; s73,c124; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s223.00000°,δ42.00000°,λ117.00000°. NP2:ϕ_s9.00000°,δ53.00000°,λ67.00000°. Principal axes: T 0.9400,Plg71.0000°,Azm221.0000°; N 0.1300,Plg18.0000°,Azm23.0000°; P -1.0600,Plg6.0000°,Azm114.0000° $M_0$1.00000×10^{17}
SZGRF Taiwan region.

(311) Sikkim

ISC XII 02 05 11 42.3–.49 27.32N–.03 87.97E–.02 24–3 4.7b,3.8s 402 0-150
BJI XII 02 05 11 36.0 27.02N 87.64E 21 4.7b,4.4b **¶13401697**
IDC XII 02 05 11 38.7–.53 27.39N 88.02E 0 4.4,4.3b
ISCJB XII 02 05 11 41.6–.37 27.30N–.03 87.95E–.02 34–3 4.7b,3.8s
NDI XII 02 05 11 41.8–5.7 27.22N 87.83E 14–30 5.2b,5.0L
DMN XII 02 05 11 42.9–.47 27.32N 87.99E 2–0 5.6L,5.0L
NEIC XII 02 05 11 42.0–.74 27.37N 88.05E 25–5 5.2b,5.0L
LDG XII 02 05 11 42.6–.30 27.58N 87.78E 33–0 5.1b,3.7s
MOS XII 02 05 11 43.2–1.0 27.37N 87.98E 47 4.8b,3.7s
ISC Event type fe.
IDC Error ellipse: s-maj=19.4km s-min=12.2km az=42.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=12.8.
NDI Error ellipse: s-maj=22.9km s-min=15.9km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=8.7km s-min=6.7km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.0km az=206.0. Felt [III] at Gangtok and [II] at Legship. Felt strongly at Shiliguri. Also felt at Geyzing.
LDG Event type ke. Error ellipse: s-maj=14.4km s-min=5.5km az=161.0.
MOS Error ellipse: s-maj=8.2km s-min=4.2km az=128.6.

(159) North Island

ISC XII 02 05 47 03.8–.35 37.75S–.03 176.39E–.06 198–2 4.4b 142 0-155
ISCJB XII 02 05 47 02.9–.35 37.75S–.03 176.38E–.06 203–2 4.4b **¶11656605**
IDC XII 02 05 47 02.9–.51 37.85S 176.36E 190–5 4.1,4.0
WEL XII 02 05 47 03.5–.29 37.58S 176.54E 192–2 5.3L,4.0
NEIC XII 02 05 47 03.5 37.58S 176.54E 192 3.9b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=5.4km az=174.7.
IDC Error ellipse: s-maj=21.4km s-min=14.1km az=11.0.
WEL Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=90.0. Felt from Coromandel to Marlborough, maximum reported intensity MM 5.
NEIC Event type se. After WEL.

(197) Near north coast of Irian Jaya

ISC XII 02 09 10 59.4–1.5 2.53S–.03 140.04E–.05 32–10 4.8b,3.9s 153 1-149
ISCJB XII 02 09 10 54.8–1.2 2.49S–.03 140.12E–.04 15–7 4.8b,3.9s **¶11486879**
IDC XII 02 09 10 54.0–.67 2.55S 139.97E 0 4.6,4.5
MOS XII 02 09 10 56.5–.77 2.51S 140.11E 30 4.9b,4.5
DJA XII 02 09 10 56 2.48S 140.19E 10 4.8b,4.5
BJI XII 02 09 10 57.1 2.60S 140.28E 44 5.0b,5.0b
NEIC XII 02 09 10 59.8–1.4 2.50S 140.07E 40–14 4.9b,5.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.8km az=163.8.
IDC Error ellipse: s-maj=17.9km s-min=8.8km az=102.0.
MOS Error ellipse: s-maj=16.0km s-min=8.2km az=112.4.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=7.5km az=71.0. Felt [IV] at Genyem and [III] at Jayapura and Sentani.

(439) Manitoba

ISC XII 02 10 22 13.8–.23 50.83N–.02 101.87W–.03 0 3.6b 342 2-24
ISCJB XII 02 10 22 10.6–.24 50.86N–.02 101.85W–.03 0 3.6b **¶12075491**
PGC XII 02 10 22 14.7–.01 50.84N 101.73W 1 3.9L,3.4
NEIC XII 02 10 22 14.7 50.84N 101.73W 1 3.6b,3.4
IDC XII 02 10 22 15.4–.72 50.79N 101.74W 0 4.0L,4.0
ISC Event type fi.
ISCJB Event type fi. Error ellipse: s-maj=2.9km s-min=2.3km az=159.7.
PGC Event type fi. 53km Nne of Esterhazy, Sk Manitoba Province, Canada Felt (III-IV) at Landenburg, Sk. Ressenti (III-IV) Landenburg, Sk. Induced.
NEIC Event type fe. Felt [IV] at Langenburg, Saskatchewan. After PGC.
IDC Error ellipse: s-maj=10.5km s-min=7.2km az=172.0.

(39) Central California

ISC XII 02 11 23 43.7–.27 35.97N–.01 117.32W–.02 3–2 124 0-53
ISCJB XII 02 11 23 43.1–.20 36.01N–.01 117.28W–.02 10 **¶12075497**
IDC XII 02 11 23 43.1–2.0 35.92N 117.31W 0 3.4,3.3
NEIC XII 02 11 23 44.1 35.98N 117.31W 3 3.8L,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.9km az=161.6.
IDC Error ellipse: s-maj=26.8km s-min=11.4km az=51.0.
NEIC Event type fe. Felt in the Trona area. After PAS.

(39) Central California

ISC XII 02 12 27 34.7–.33 36.01N–.01 117.29W–.02 1–3 102 0-5
ISCJB XII 02 12 27 34.6–.23 36.04N–.01 117.27W–.02 10 **¶12075500**
NEIC XII 02 12 27 35.1 35.99N 117.30W 3 3.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.9km az=144.0.
NEIC Event type fe. Felt in the Trona area. After PAS.

(39) Central California

ISC XII 02 16 41 19.1–.23 35.99N–.01 117.27W–.02 10 97 0-91
ISCJB XII 02 16 41 19.0–.25 35.97N–.02 117.28W–.02 10 **¶12075521**
NEIC XII 02 16 41 19.5 35.97N 117.32W 2 3.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.1km az=19.1.
NEIC Event type fe. Felt in the Trona area. After PAS.

(39) Central California

ISC XII 02 16 53 09.0–.21 35.98N–.01 117.29W–.02 10 111 0-97
ISCJB XII 02 16 53 08.6–.23 35.96N–.02 117.27W–.02 10 **¶12075522**
BJI XII 02 16 53 09.9 35.93N 118.08W 12 5.1s,4.9b
NEIC XII 02 16 53 09.1 35.97N 117.32W 4 4.0L,4.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.2km az=3.4.
NEIC Event type fe. Felt at Ridgecrest and Trona. After PAS.

(224) Hokkaido region

ISC XII 02 21 29 53.0–.71 42.78N–.06 145.30E–.06 73–4 3.7b 60 0-72
NIED XII 02 21 29 00 42.80N 145.30E 59 3.5W **¶11751520**
ISCJB XII 02 21 29 51.9–.71 42.78N–.06 145.31E–.07 80–4 3.7b
JMA XII 02 21 29 53.6–.10 42.82N 145.27E 72–1 3.8
MOS XII 02 21 29 53.0–.84 42.82N 145.31E 95 3.8b
IDC XII 02 21 29 54.1–3.5 42.77N 145.20E 83–25 3.7,3.5b
NEIC XII 02 21 29 55.0–1.2 42.79N 145.22E 92–10 3.7b,3.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ65.00000°,λ-85.00000°. NP2:ϕ_s218.00000°,δ26.00000°,λ-101.00000°. $M_0$2.04000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=6.0km az=144.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=21.1km s-min=15.3km az=104.9.
IDC Error ellipse: s-maj=28.4km s-min=25.4km az=170.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=13.4km az=104.0.

(18) Southern Yukon Territory

ISC XII 03 02 47 30.2–.12 60.97N–.02 137.95W–.04 10 4.4b,3.5s 520 0-151
IDC XII 03 02 47 28.3–.54 60.98N 138.04W 0 4.3,4.2b **¶11490887**
ISCJB XII 03 02 47 28.4–.12 60.95N–.02 137.97W–.04 10 4.4b,3.5s
PGC XII 03 02 47 28.2–1.4 60.83N 138.02W 1 4.4L,4.2W
NEIC XII 03 02 47 28.2 60.83N 138.02W 1 4.4b,4.2W
MOS XII 03 02 47 29.4–.78 61.06N 138.01W 14 4.8b,4.2W
BJI XII 03 02 47 30.9 61.54N 138.67W 10 5.2b,4.9s
ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=7.8km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=1.8km az=39.2.
PGC Event type fe. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 27km west of Haines Jct., Yt Southern Yukon Territory, Canada Felt (II-III)) at Haines Junction, Yt. Ressenti (II-III) Haines Junction, Yt.
NEIC Event type fe. Felt [III] at Haines Junction. After PGC. Moment Tensor Solution. $M_0$1.80000×10^{15} Moment Tensor Solution. $M_0$2.50000×10^{15}
MOS Error ellipse: s-maj=11.7km s-min=5.2km az=96.1.

(73) El Salvador

ISC XII 03 03 12 01.1–.49 12.97N–.06 88.82W–.04 59–5 3.9b 66 1-138
ISCJB XII 03 03 12 00.0–.52 12.95N–.06 88.84W–.05 68–4 3.9b **¶12075584**
CASC XII 03 03 12 00.6–2.2 12.98N 88.84W 60–25 4.5,4.0L
IDC XII 03 03 12 03.7–2.2 13.14N 88.64W 84–21 3.7,3.5b
NEIC XII 03 03 12 03.6–.86 13.10N 88.71W 82–8 4.1,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=4.0km az=34.1.
CASC Error ellipse: s-maj=11.3km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=36.4km s-min=17.6km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=7.9km az=53.0. Felt [III] at Santiago de Maria.

(18) Southern Yukon Territory

ISC XII 03 04 12 23.7–.31 60.90N–.03 137.90W–.06 10 3.7s,3.7b 65 0-80
ISCJB XII 03 04 12 22.5–.32 60.95N–.03 137.91W–.06 10 3.7s,3.7b **¶11490891**
IDC XII 03 04 12 22.9–.94 60.92N 137.97W 0 3.8,3.7b
PGC XII 03 04 12 23.0–.09 60.83N 137.99W 1 3.9L,3.7b
NEIC XII 03 04 12 23.0 60.83N 137.99W 1 3.9L,3.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=40.8.
IDC Error ellipse: s-maj=16.9km s-min=10.4km az=38.0.
PGC Event type fe. 26km west of Haines Jct., Yt Southern Yukon Territory, Canada Felt (II-III)) at Haines Junction, Yt. Ressenti (II-III) Haines Junction, Yt.
NEIC Event type fe. Felt [III] at Haines Junction. After PGC.

(716) Kyrgyzstan

ISC XII 03 04 26 28.7–.53 42.72N–.02 73.21E–.02 5–3 4.6b,4.0s 424 0-153
LDG XII 03 04 26 26.8–.12 42.55N 73.16E 10–0 4.9b,3.7s **¶13401768**
IDC XII 03 04 26 27.4–.49 42.69N 73.22E 0 4.8L,4.6
ISCJB XII 03 04 26 27.7–.56 42.70N–.02 73.16E–.02 9–3 4.6b,4.0s
NNC XII 03 04 26 27.1–.58 42.73N 73.05E 0 5.1b,5.0
NEIC XII 03 04 26 28.8–1.8 42.72N 73.23E 6–11 4.9b,5.0
KNET XII 03 04 26 29.5–.48 42.64N 73.29E 17–1 4.7L,5.0
MOS XII 03 04 26 30.2–.85 42.66N 73.18E 27 4.8b,4.0s
BJI XII 03 04 26 32.0 42.93N 72.90E 54 4.8L,4.8b
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=6.7km s-min=3.7km az=2.0.
IDC Error ellipse: s-maj=9.6km s-min=8.3km az=139.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.4km az=10.4.
NNC Error ellipse: s-maj=8.1km s-min=2.8km az=2.0.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.4km az=183.0. Felt at Bishkek, Kyrgyzstan.
KNET Error ellipse: s-maj=3.2km s-min=2.3km az=102.0.
MOS Error ellipse: s-maj=7.1km s-min=4.7km az=35.7.

(163) Cook Strait

WEL XII 03 07 32 21.4–.23 41.87S 174.22E 15–1 3.8L
NEIC XII 03 07 32 20.8 41.89S 174.23E 12 3.7L **¶11656633**

WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.9km az=0.0. Felt from Wellington to Marlborough, maximum reported intensity MM 4. Small foreshock 1 sec. earlier.
NEIC Event type fe. Felt at Ward. After WEL.

(219) Off east coast of Kamchatka Peninsula

ISC	**XII**	**03 11 37 05.5–.10**	**53.04N–.02**	**159.51E–.02**	**46**	**5.3b,4.2s**	**1480**	**0-161**
DJA	XII	03 11 37 00	53.16N	160.12E	22	5.4b,4.2s		**¶13401793**
BJI	XII	03 11 37 01.8	53.21N	159.68E	48	5.2b,5.1b		
ISCJB	XII	03 11 37 03.2–.10	52.99N–.02	159.59E–.02	44	5.3b,4.2s		
MOS	XII	03 11 37 03.9–1.1	52.95N	159.57E	51	5.5b,4.2s		
NEIC	XII	03 11 37 05.0–.12	52.98N	159.62E	44	5.4b,4.2s		
BGS	XII	03 11 37 04.1–1.5	53.03N	158.88E	33–0	5.5b,4.2s		
TEH	XII	03 11 37 05.0	53.12N	159.51E	41	5.5b,4.2s		
KRSC	XII	03 11 37 05.1–1.3	52.84N	159.95E	42–22	5.4L,4.2s		
IDC	XII	03 11 37 09.6–.78	53.03N	159.53E	89–6	4.9,4.9		
GCMT	XII	03 11 37 09.1–.20	52.86N	160.09E	59–1	5.1W,4.9		
SZGRF	XII	03 11 37 10.7	53.13N	159.30E	33	5.7b,4.2s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=1.6km az=172.0.
MOS Event type fe. Error ellipse: s-maj=6.5km s-min=3.4km az=93.5. Felt (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=164.0. Felt at Petropavlovsk-Kamchatskiy.
BGS Error ellipse: s-maj=220.1km s-min=731.7km az=-1.0.
KRSC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=7.5km az=142.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s60,c94; s71,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}4.45±.15 $M_{\theta\theta}$-1.60±.12; $M_{\phi\phi}$-2.86±.11; $M_{r\theta}$1.05±.10; $M_{\theta\phi}$-2.58±.09; $M_{\phi r}$1.69±.09; Best double couple: NP1:ϕ_s221.00000°,δ34.00000°,λ95.00000°. NP2:ϕ_s35.00000°,δ57.00000°,λ87.00000°. Principal axes: T 4.8600,Plg78.0000° ,Azm295.0000°; N 0.4200,Plg3.0000°,Azm37.0000°; P -5.2900,Plg11.0000°,Azm128.0000° M_o5.10000×10^{16}
SZGRF Near east coast of Kamchatka Peninsula, Russia.

(706) Northern Sumatera

ISC	**XII**	**03 12 21 43.0–.72**	**2.96N–.06**	**97.00E–.05**	**10**	**3.9b**	**32**	**0-58**
IDC	XII	03 12 21 40.7–1.9	2.94N	96.81E	0	4.1L,3.8		**¶12075608**
ISCJB	XII	03 12 21 41.7–.76	2.97N–.06	97.03E–.05	10	3.9b,3.8		
DJA	XII	03 12 21 46	3.30N	97.14E	6	4.2,3.8		
NEIC	XII	03 12 21 46.1–1.0	3.04N	96.99E	35	4.0b,3.8		

ISC Event type fe.
IDC Error ellipse: s-maj=80.9km s-min=20.3km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=6.4km az=12.1.
NEIC Event type fe. Error ellipse: s-maj=21.5km s-min=13.9km az=49.0. Felt [III] at Tapaktuan.

(362) Western Caucasus

ISC	**XII**	**03 19 24 23.8–.29**	**43.28N–.02**	**43.90E–.02**	**5–2**		**135**	**0-5**
TIF	XII	03 19 24 21.9	43.30N	43.96E	13–2			**¶13875693**
ISCJB	XII	03 19 24 23.3–.32	43.28N–.02	43.90E–.02	6–2			
CSEM	XII	03 19 24 23.4–.13	43.27N	43.90E	5	4.1b		
MOS	XII	03 19 24 23.1–1.4	43.28N	43.95E	9	4.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.4km az=4.7.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=9.0.
MOS Event type fe. Error ellipse: s-maj=7.3km s-min=5.7km az=43.2. Felt (II-III) at Verchnyaya Balkariya. Moment Tensor Solution.

(224) Hokkaido region

ISC	**XII**	**03 21 03 01.9–.77**	**41.64N–.03**	**142.85E–.06**	**18–5**	**4.1b**	**81**	**0-71**
NIED	XII	03 21 03 00	41.60N	142.90E	23	3.7W		**¶11751580**
ISCJB	XII	03 21 03 01.9–.56	41.63N–.04	142.95E–.05	35–5	4.1b		
JMA	XII	03 21 03 01.3–.20	41.60N	142.93E	28–3	3.9		
NEIC	XII	03 21 03 04.2–.76	41.68N	142.96E	41–7	4.0b		
IDC	XII	03 21 03 06.9–1.9	41.60N	142.80E	63–17	3.7,3.6b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ53.00000°,λ-112.00000°. NP2:ϕ_s224.00000°,δ42.00000°,λ-64.00000°. M_o4.36000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.7km az=40.8.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=7.1km az=121.0. Recorded [1 JMA] in southern Hokkaido.
IDC Error ellipse: s-maj=19.7km s-min=12.2km az=106.0.

(229) Off east coast of Honshu

ISC	**XII**	**03 23 16 57.0–.11**	**38.62N–.02**	**142.93E–.02**	**26**	**5.6s,5.5b**	**1128**	**1-160**
NIED	XII	03 23 16 00	38.50N	143.20E	23	5.8W,5.5b		**¶13401822**
IDC	XII	03 23 16 51.9–.37	38.53N	142.97E	0	5.6s,5.6		
JMA	XII	03 23 16 53.2–.10	38.53N	143.22E	24–3	6.1,5.6		
ISCJB	XII	03 23 16 54.9–.11	38.57N–.02	142.97E–.02	25	5.6s,5.5b		
NEIC	XII	03 23 16 54.9–.13	38.59N	142.88E	14	5.8W,5.8W		
MOS	XII	03 23 16 56.0–.86	38.82N	142.89E	24	5.7b,5.6s		
BJI	XII	03 23 16 56.2	38.55N	142.32E	14	6.1s,6.1b		
GCMT	XII	03 23 16 58.7–.10	38.56N	143.18E	24–0	5.8W,6.1b		
TEH	XII	03 23 16 59.0	38.57N	142.76E	35	5.8W,6.1b		
SZGRF	XII	03 23 17 00.4	39.27N	143.91E	39	6.1b,5.8s		
DJA	XII	03 23 17 10	38.58N	143.10E	157	5.5W,5.8s		
BGS	XII	03 23 18 03.7–2.4	45.07N	122.34E	10–0	5.6s,5.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ68.00000°,λ91.00000°. NP2:ϕ_s200.00000°,δ22.00000°,λ87.00000°. M_o5.07000×10^{17}
IDC Error ellipse: s-maj=11.9km s-min=8.8km az=103.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=145.1.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=149.0. Recorded [3 JMA] in Miyagi and Yamagata; [2 JMA] in Akita, Aomori, Fukushima and Iwate; [1 JMA] in Chiba, Ibaraki and Saitama. Also recorded [1 JMA] in southwestern Hokkaido. Moment Tensor Solution. s98 Moment tensor: Scale 10^{17}Nm; M_{rr}2.66 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-2.51 $M_{r\theta}$2.05 $M_{\theta\phi}$-2.04 $M_{\phi r}$4.49 Best double couple: NP1:ϕ_s25.00000°,δ74.00000°,λ86.00000°. NP2:ϕ_s219.00000° ,δ17.00000°,λ104.00000°. Principal axes: T 5.3700,Plg61.0000°,Azm288.0000° ; N 0.9900,Plg3.0000°,Azm25.0000°; P -6.3700,Plg28.0000°,Azm118.0000° M_o5.90000×10^{17} Moment Tensor Solution. M_o5.10000×10^{17}
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=106.4.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=109, comp=242, per= 50. Moment Tensor Solution. s96,c192; s53,c58; Moment tensor: Scale 10^{17}Nm; M_{rr}3.33±.06 $M_{\theta\theta}$-0.04±.04; $M_{\phi\phi}$-3.30±.04; $M_{r\theta}$1.72±.07; $M_{\theta\phi}$-1.02±.03; $M_{\phi r}$4.09±.10; Best double couple: NP1:ϕ_s190.00000°,δ19.00000°,λ79.00000°. NP2:ϕ_s21.00000°,δ71.00000°,λ94.00000°. Principal axes: T 5.5100,Plg64.0000°,Azm298.0000°; N 0.2200,Plg4.0000°,Azm200.0000° ; P -5.7400,Plg26.0000°,Azm108.0000° M_o5.60000×10^{17}
SZGRF Off east coast of Honshu, Japan.
BGS Error ellipse: s-maj=650.1km s-min=999.9km az=-1.0.

(396) Northern Algeria

ISC	**XII**	**04 02 18 50.8–.35**	**37.00N–.02**	**4.08E–.02**	**10**		**546**	**1-24**
IDC	XII	04 02 18 48.1–1.8	36.85N	4.29E	0	3.9L,3.4		**¶12075670**
ISCJB	XII	04 02 18 48.4–.30	37.03N–.02	4.10E–.02	10	3.9L,3.4		
CRAAG	XII	04 02 18 48.7	37.07N	4.23E		2.6L,3.4		
NEIC	XII	04 02 18 49.2–.65	36.84N	4.25E	10	4.4,3.4		
MDD	XII	04 02 18 50.7–.89	36.85N	4.23E	12–9	4.5b,3.4		
CSEM	XII	04 02 18 51.4–.19	36.84N	4.25E	30	2.6L,3.4		
INMG	XII	04 02 18 53.4–1.9	36.96N	4.08E	20–25	2.6L,3.4		
LDG	XII	04 02 18 55.2–.25	37.07N	3.64E	20–0	3.4L,3.4		
STR	XII	04 02 19 01.8–.42	37.76N	4.38E	5–0	3.4L,3.4		

ISC Event type fe.
IDC Error ellipse: s-maj=30.7km s-min=27.0km az=168.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=152.4.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.2km az=146.0.
MDD Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=9.0. EMS: V INTENSIDAD MAXIMA-CRAAG. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=167.0.
INMG Event type ke. Error ellipse: s-maj=23.2km s-min=5.2km az=122.0.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=140.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(229) Off east coast of Honshu

ISC	**XII**	**04 03 10 56.7–.09**	**38.64N–.02**	**142.90E–.02**	**24**	**5.3b,5.1s**	**1243**	**1-154**
NIED	XII	04 03 10 00	38.50N	143.10E	23	5.3W,5.1s		**¶13401835**
BJI	XII	04 03 10 51.7	38.53N	142.81E	7	5.7b,5.5s		
IDC	XII	04 03 10 51.6–.43	38.51N	143.07E	0	4.9s,4.9		
JMA	XII	04 03 10 53.2–.10	38.54N	143.12E	17–3	5.5,4.9		
ISCJB	XII	04 03 10 54.8–.09	38.60N–.02	142.90E–.02	23	5.3b,5.1s		
NEIC	XII	04 03 10 55.0–.14	38.57N	142.89E	16	5.3b,5.3W		
MOS	XII	04 03 10 56.1–.77	38.81N	142.86E	26	5.6b,5.3s		
TEH	XII	04 03 10 58.0	38.61N	142.79E	35	5.6b,5.3s		
SZGRF	XII	04 03 10 59.8	39.10N	143.88E	33	5.4b,5.1s		
GCMT	XII	04 03 10 59.6–.20	38.58N	143.21E	31–0	5.3W,5.1s		
DJA	XII	04 03 11 03	38.74N	141.47E	10	5.3b,5.1s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ66.00000°,λ90.00000°. NP2:ϕ_s204.00000°,δ24.00000°,λ90.00000°. M_o1.14000×10^{17}
IDC Error ellipse: s-maj=14.4km s-min=10.7km az=99.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=161.8.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=147.0. Recorded [3 JMA] in Miyagi; [2 JMA] in Aomori, Fukushima, Iwate and Yamagata; [1 JMA] in Akita, Ibaraki and Saitama. Moment Tensor Solution. s76 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s26.00000°,δ68.00000° ,λ89.00000°. NP2:ϕ_s210.00000°,δ23.00000°,λ94.00000°. Principal axes: T 1.0300,Plg67.0000°,Azm293.0000°; N 0.1900,Plg1.0000°,Azm26.0000° ; P -1.2200,Plg22.0000°,Azm117.0000° M_o1.10000×10^{17} Moment Tensor Solution. M_o1.10000×10^{17}
MOS Error ellipse: s-maj=7.0km s-min=3.8km az=114.7.
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=189, per= 50. Moment Tensor Solution. s68,c119; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s192.00000°,δ19.00000° ,λ81.00000°. NP2:ϕ_s22.00000°,δ71.00000°,λ93.00000°. Principal axes: T 1.2300,Plg63.0000°,Azm297.0000°; N 0.1900,Plg3.0000°,Azm201.0000° ; P -1.4200,Plg26.0000°,Azm110.0000° M_o1.30000×10^{17}

(547) Czech and Slovak Republics

ISC	**XII**	**04 06 54 30.5–.24**	**49.86N–.02**	**18.41E–.02**	**0**		**267**	**0-20**
ISCJB	XII	04 06 54 28.9–.28	49.87N–.02	18.29E–.02	0			**¶12075695**
CSEM	XII	04 06 54 29.3–.20	49.92N	18.50E	1	3.9L,3.9s		
IPEC	XII	04 06 54 30.2–.18	49.82N	18.59E	2–4	3.2L,3.9s		
BGR	XII	04 06 54 30.5–.39	49.86N	18.48E	1	3.6L,3.9s		
IDC	XII	04 06 54 31.6–.88	49.75N	18.55E	0	3.5,3.3		
LDG	XII	04 06 54 31.1–.14	49.83N	18.46E	5–0	3.6L,3.3		
PRU	XII	04 06 54 31.8	49.85N	18.44E	0	3.6L,3.3		
VIE	XII	04 06 54 32.4–.34	49.66N	18.34E	0–2	3.9s,3.1L		
NEIC	XII	04 06 54 32.3	49.85N	18.46E	0	3.2L,3.1L		

ISC Event type fr.
ISCJB Event type fr. Error ellipse: s-maj=2.8km s-min=1.8km az=11.7.
CSEM Event type ki. Error ellipse: s-maj=4.4km s-min=3.2km az=18.0.
IPEC Event type kr. Error ellipse: s-maj=2.2km s-min=1.1km az=161.0. Mining induced.
BGR Event type ki. Error ellipse: s-maj=10.0km s-min=4.4km az=170.0.
IDC Error ellipse: s-maj=15.9km s-min=7.3km az=149.0.
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=2.1km az=12.0.
PRU Event type kr. Rockburst In Region Felt. Mining induced.
VIE Event type sr. Error ellipse: s-maj=1.7km s-min=1.6km az=68.0. 20 km SSE of Ostrava . Suspected Mining induced.
NEIC Event type fr. Rockburst. Suspected Mining induced. After PRU.

(244) Taiwan

ISC	**XII**	**04 07 24 04.5–.32**	**24.45N–.02**	**121.90E–.02**	**17–2**		**83**	**0-2**
JMA	XII	04 07 24 03.2–.30	25.07N	121.99E	21	3.2		**¶11492035**
ISCJB	XII	04 07 24 04.6–.30	24.45N–.02	121.91E–.02	20–3	3.2		
TAP	XII	04 07 24 04.0	24.46N	121.85E	28–0	3.7L		
NEIC	XII	04 07 24 05.2–2.0	24.44N	121.80E	10	4.3L		

ISC Event type fe.
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=29.9.
TAP B.
NEIC Event type fe. Error ellipse: s-maj=25.7km s-min=7.0km az=85.0. Recorded [3 TAP] in I-lan and [1 TAP] in Hua-lien.

(228) Near east coast of eastern Honshu

ISC	**XII**	**04 08 29 39.2–.32**	**37.57N–.03**	**141.42E–.04**	**54**	**4.6b,3.7s**	**199**	**0-146**
NIED	XII	04 08 29 00	37.50N	141.50E	50	4.3W,3.7s		**¶13401871**
BJI	XII	04 08 29 29.8	37.44N	141.55E	5	5.0b,4.7s		
MOS	XII	04 08 29 36.7–1.1	37.61N	141.50E	52	4.7b,4.7s		
ISCJB	XII	04 08 29 36.9–.33	37.54N–.03	141.52E–.04	52	4.6b,3.7s		
JMA	XII	04 08 29 38.6–.10	37.51N	141.44E	49–1	4.4,3.7s		
NEIC	XII	04 08 29 38.8–.77	37.55N	141.37E	48–6	4.7b,4.2W		
IDC	XII	04 08 29 39.2–.52	37.60N	141.49E	52–3	4.2,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ69.00000°,λ93.00000°. NP2:ϕ_s204.00000°,δ21.00000°,λ83.00000°. M_o2.75000×10^{15}
MOS Error ellipse: s-maj=8.8km s-min=6.5km az=114.9.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.5km az=43.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s39.00000°,δ66.00000°,λ95.00000°. NP2:ϕ_s206.00000°,δ24.00000°,λ78.00000°. Principal axes: T Plg68.0000°,Azm319.0000°; N Plg5.0000°,Azm217.0000°; P Plg21.0000° ,Azm125.0000°
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.9km az=139.0. Recorded [3 JMA] in Fukushima, [2 JMA] in Miyagi and [1 JMA] in Ibaraki, Iwate and Tochigi. Moment Tensor Solution. M_o2.80000×10^{15}
IDC Error ellipse: s-maj=12.6km s-min=8.7km az=140.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**04 10 13 45.7–1.5**	**38.41N–.04**	**142.09E–.08**	**25–10**	**3.6b**	**30**	**1-62**
NIED	XII	04 10 13 00	38.50N	142.20E	26	3.5W		**¶11751589**
IDC	XII	04 10 13 41.8–1.2	38.30N	142.47E	0	3.5,3.4b		
ISCJB	XII	04 10 13 44.0–1.3	38.40N–.04	142.20E–.08	28–8	3.6b,3.4b		
JMA	XII	04 10 13 45.4–.10	38.46N	142.16E	32–2	3.7,3.4b		
NEIC	XII	04 10 13 45.4	38.46N	142.16E	32	3.8b,3.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s264.00000°,δ89.00000°,λ-142.00000°. NP2:ϕ_s173.00000°,δ52.00000°,λ-1.00000°. M_o1.77000×10^{14}
IDC Error ellipse: s-maj=41.5km s-min=19.9km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=6.1km az=24.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.

(117) Southern Peru

ISC	**XII**	**05 02 00 25.7–1.6**	**15.5S–.10**	**73.9W–.20**	**59–14**	**4.2b**	**44**	**5-148**
ISCJB	XII	05 02 00 24.7–1.7	15.5S–.10	74.0W–.20	69–15	4.1b		**¶12075818**
NEIC	XII	05 02 00 25.4–.55	15.70S	73.99W	68	4.2b		
IDC	XII	05 02 00 26.4–1.0	15.57S	73.91W	68–7	4.2,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=35.4km s-min=11.8km az=145.4.
NEIC Event type fe. Error ellipse: s-maj=31.3km s-min=11.8km az=59.0. Felt [III] at Chala.
IDC Error ellipse: s-maj=42.3km s-min=14.8km az=46.0.

(129) Salta Province

ISC	**XII**	**05 03 49 13.5–3.2**	**24.91S–.08**	**65.1W–.10**	**31–25**	**3.9b**	**18**	**6-146**
ISCJB	XII	05 03 49 08.9–4.3	24.88S–.08	65.1W–.10	12–29	3.9b		**¶12075827**
NEIC	XII	05 03 49 12.4–.40	24.88S	65.11W	24	4.3,3.9b		
IDC	XII	05 03 49 12.5–.85	25.00S	65.12W	25–5	4.0,3.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=13.4km az=170.7.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=7.5km az=90.0. Felt [IV] in the Cerrillos-La Merced area. Also felt at Salta.
IDC Error ellipse: s-maj=22.7km s-min=20.7km az=163.0.

(162) South Island

ISC	**XII**	**05 05 51 44.9–.76**	**43.86S–.03**	**169.27E–.04**	**6–6**	**4.3b,3.5s**	**96**	**0-152**
ISCJB	XII	05 05 51 42.8–1.2	43.78S–.03	169.22E–.04	1–9	4.3b,3.5s		**¶12075839**
IDC	XII	05 05 51 44.6–.66	43.85S	169.20E	0	4.4,4.3		
WEL	XII	05 05 51 45.8–.13	43.86S	169.25E	11–1	4.8L,4.3		
NEIC	XII	05 05 51 45.7	43.82S	169.20E	14	4.9L,4.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.3km az=37.4.
IDC Error ellipse: s-maj=26.0km s-min=11.6km az=4.0.
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=1.2km az=90.0. Felt from West Coast to Otago, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Albert Town, Greymouth, Hawea Flat and Queenstown. After WEL.

(327) Lake Baykal region

ISC	**XII**	**05 18 10 40.3–.21**	**53.26N–.02**	**107.94E–.03**	**10**	**4.0b,3.6s**	**177**	**0-151**
IDC	XII	05 18 10 38.9–.77	53.23N	108.03E	0	4.1,3.9b		¶12075911
ISCJB	XII	05 18 10 39.1–.23	53.23N–.02	107.93E–.03	10	4.0b,3.6s		
MOS	XII	05 18 10 39.8–.92	53.27N	107.93E	14	4.3b,3.6s		
BYKL	XII	05 18 10 40.8–.21	53.28N	107.84E	14–4	4.3b,3.6s		
NEIC	XII	05 18 10 43.3–3.4	53.25N	107.90E	29–24	4.4b,3.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.8km s-min=14.5km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=44.0.
MOS Event type fe. Error ellipse: s-maj=9.6km s-min=6.2km az=65.6. Felt (II) at Onguryeny. Moment Tensor Solution.
BYKL Event type se. FELT I=II MSK at Ongureny.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.1km az=49.0.

(229) Off east coast of Honshu

ISC	**XII**	**05 20 03 11.1–.14**	**38.54N–.02**	**143.04E–.02**	**32**	**5.3s,5.1b**	**726**	**1-163**
NIED	XII	05 20 03 00	38.50N	143.40E	26	5.5W,5.1b		¶15513354
JMA	XII	05 20 03 04.6–.10	38.48N	143.44E	23–3	5.5,5.1b		
IDC	XII	05 20 03 05.3–.48	38.50N	143.12E	0	5.1,5.1s		
DJA	XII	05 20 03 08	38.46N	143.11E	10	5.4b,5.1s		
ISCJB	XII	05 20 03 08.9–.14	38.49N–.02	143.09E–.02	30	5.3s,5.1b		
MOS	XII	05 20 03 09.0–1.0	38.70N	143.00E	25	5.4s,5.4b		
BJI	XII	05 20 03 09.9	38.55N	142.79E	32	5.7s,5.7b		
NEIC	XII	05 20 03 11.1–.15	38.53N	143.00E	34	5.5W,5.5W		
SZGRF	XII	05 20 03 12.9	38.94N	143.85E	33	5.4s,5.1b		
GCMT	XII	05 20 03 13.7–.10	38.53N	143.27E	21–0	5.5W,5.1b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ61.00000°,λ89.00000°. NP2:ϕ_s203.00000°,δ29.00000°,λ91.00000°. $M_0$2.11000×10^{17}
JMA Event type fe.
IDC Error ellipse: s-maj=15.4km s-min=13.4km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=151.6.
MOS Error ellipse: s-maj=6.3km s-min=4.0km az=103.4.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=143.0. Recorded [2 JMA] in Iwate and Miyagi; [1 JMA] in Akita, Aomori and Fukushima. Moment Tensor Solution. s76 Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-0.88 $M_{r\theta}$0.83 $M_{\theta\phi}$0.13 $M_{\phi r}$1.77 Best double couple: NP1:ϕ_s20.00000°,δ78.00000°,λ100.00000°. NP2:ϕ_s161.00000°,δ16.00000°,λ52.00000°. Principal axes: T 2.3300,Plg56.0000°,Azm302.0000° ; N -0.3400,Plg9.0000°,Azm198.0000°; P -2.0000,Plg32.0000°,Azm102.0000° $M_0$2.20000×10^{17} Moment Tensor Solution. $M_0$2.10000×10^{17}
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 104 sta. Moment Tensor Solution. s71,c128; s99,c209; Moment tensor: Scale 10^{17}Nm; M_{rr}1.36±.03 $M_{\theta\theta}$-0.03±.02; $M_{\phi\phi}$-1.33±.03; $M_{r\theta}$0.80±.05; $M_{\theta\phi}$-0.41±.02; $M_{\phi r}$1.94±.07; Best double couple: NP1:ϕ_s190.00000°,δ17.00000°,λ79.00000°. NP2:ϕ_s21.00000°,δ73.00000°,λ93.00000°. Principal axes: T 2.4900,Plg62.0000°,Azm296.0000°; N 0.0800,Plg3.0000°,Azm200.0000° ; P -2.5600,Plg28.0000°,Azm109.0000° $M_0$2.50000×10^{17}

(229) Off east coast of Honshu

ISC	**XII**	**05 20 20 26.5–1.7**	**38.54N–.04**	**143.27E–.04**	**4–10**	**4.8s,4.4b**	**146**	**1-82**
NIED	XII	05 20 20 00	38.50N	143.40E	26	4.2W,4.4b		¶13402004
JMA	XII	05 20 20 25.7–.10	38.48N	143.41E	23–4	4.6,4.4b		
IDC	XII	05 20 20 25.9–.80	38.49N	143.21E	0	4.1,4.0		
ISCJB	XII	05 20 20 26.3–1.3	38.51N–.03	143.36E–.05	18–8	4.8s,4.4b		
MOS	XII	05 20 20 29.2–.85	38.46N	143.19E	38	4.6b,4.4b		
NEIC	XII	05 20 20 30.5–1.7	38.54N	143.21E	31–11	4.8b,4.2W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ62.00000°,λ100.00000°. NP2:ϕ_s199.00000°,δ30.00000°,λ72.00000°. $M_0$2.30000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=22.0km s-min=17.7km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.2km az=37.2.
MOS Error ellipse: s-maj=10.6km s-min=7.4km az=116.8.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.0km az=121.0. Recorded [1 JMA] in Miyagi. Moment Tensor Solution. $M_0$2.30000×10^{15}

(370) Crete

ISC	**XII**	**05 22 26 10.6–.18**	**35.60N–.02**	**26.60E–.02**	**47–6**	**3.4b**	**338**	**0-58**
DDA	XII	05 22 26 07.8	35.90N	26.53E	6–1	3.3		¶11493352
ISCJB	XII	05 22 26 08.9–.19	35.58N–.02	26.61E–.02	62–5	3.4b		
NEIC	XII	05 22 26 09.6	35.71N	26.59E	44	3.4		
ATH	XII	05 22 26 09.6	35.71N	26.59E	43–1	3.4L		
ISK	XII	05 22 26 09.2	35.84N	26.58E	10	3.6L		
IDC	XII	05 22 26 10.9–2.5	35.52N	26.68E	52–26	3.6L,3.5		
CSEM	XII	05 22 26 10.4–.08	35.58N	26.61E	49–2	3.4L,3.5		
THE	XII	05 22 26 11.8	35.68N	26.58E	30–12	3.9L,3.5		
HLW	XII	05 22 26 15.1	35.46N	26.86E	34–17	3.4,3.4L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.5km az=9.7.
NEIC Event type fe. Felt on Karpathos. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=13.6km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=42.0.
THE Event type ke. Error ellipse: s-maj=12.2km s-min=1.1km az=128.0.

(224) Hokkaido region

ISC	**XII**	**06 03 31 15.0–.50**	**41.25N–.03**	**142.39E–.05**	**37–6**	**3.8b**	**54**	**1-72**
NIED	XII	06 03 31 00	41.30N	142.40E	29	3.7W		¶11751602
JMA	XII	06 03 31 13.9–.10	41.26N	142.39E	29–4	3.8		
ISCJB	XII	06 03 31 14.3–.45	41.24N–.03	142.40E–.05	47–5	3.8b		
NEIC	XII	06 03 31 16.4–.82	41.25N	142.55E	54–8	4.0b		
IDC	XII	06 03 31 17.0–2.0	41.22N	142.42E	60–19	3.7,3.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s295.00000°,δ84.00000°,λ100.00000°. NP2:ϕ_s57.00000°,δ12.00000°,λ32.00000°. $M_0$4.02000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.0km az=37.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.9km az=119.0.
IDC Error ellipse: s-maj=20.6km s-min=12.5km az=108.0.

(43) Southern California

ISC	**XII**	**06 04 18 43.4–.10**	**34.716N–.01**	**116.45W–.01**	**10**	**4.8b,4.6s**	**930**	**0-147**
BJI	XII	06 04 18 37.9	33.82N	117.05W	10	5.5b,5.2s		¶11493244
ISCJB	XII	06 04 18 41.8–.10	34.766N–.01	116.38W–.01	10	4.8b,4.6s		
IDC	XII	06 04 18 42.9–.57	34.92N	116.24W	0	4.6,4.6		
NEIC	XII	06 04 18 42.9	34.81N	116.42W	7	5.1W,5.0b		
MOS	XII	06 04 18 42.2–1.1	34.79N	116.40W	11	5.0b,5.0b		
GCMT	XII	06 04 18 45.5–.20	34.83N	116.39W	12	5.1W,5.0b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.4km s-min=1.2km az=32.6.
IDC Error ellipse: s-maj=14.8km s-min=8.2km az=53.0.
NEIC Event type fe. Felt [IV] at Newberry Springs and [III] at Acton, Adelanto, Angelus Oaks, Apple Valley, Beverly Hills, Big Bear Lake, Blue Jay, Buena Park, Culver City, Fontana, Fort Irwin, Hesperia, Huntington Beach, Irvine, Joshua Tree, Lake Arrowhead, Landers, Littlerock, Los Angeles, Lucerne Valley, Morongo Valley, Phelan, San Diego, Thousand Palms, Twentynine Palms, Valley Village, Victorville and Whittier. Also felt [III] at Lake Havasu City, Arizona and at Las Vegas, Nevada. Felt from Camarillo, California to Kingman, Arizona and from Pahrump, Nevada and Ridgecrest, California as far south as El Centro and San Diego. Preliminary studies indicate that this earthquake is associated with the Lavic Lake Fault and it is considered to be an aftershock of the Hector Mine earthquake of 16 October 1999. After PAS. Moment Tensor Solution. $M_0$4.90000×10^{16} Moment Tensor Solution. $M_0$4.10000×10^{16}
MOS Error ellipse: s-maj=5.1km s-min=4.0km az=89.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s51,c79; s98,c172; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.32±.12 $M_{\theta\theta}$-3.31±.12; $M_{\phi\phi}$3.63±.12; $M_{r\theta}$-0.50±.31; $M_{\theta\phi}$5.02±.10; $M_{\phi r}$-1.00±.33; Best double couple: NP1:ϕ_s253.00000°,δ83.00000°,λ6.00000°. NP2:ϕ_s162.00000°,δ84.00000°,λ173.00000°. Principal axes: T 6.4500,Plg9.0000° ,Azm118.0000°; N -0.5100,Plg81.0000°,Azm299.0000°; P -5.9400,Plg0.0000° ,Azm208.0000° $M_0$6.20000×10^{16}

(78) Costa Rica

ISC	**XII**	**06 09 31 32.6–.30**	**10.16N–.03**	**85.15W–.03**	**42–2**	**4.7b,4.0s**	**265**	**0-151**
MOS	XII	06 09 31 30.2–1.1	10.44N	84.73W	33	4.9b,4.0s		¶11493258
ISCJB	XII	06 09 31 31.6–.29	10.13N–.03	85.18W–.03	50–1	4.7b,4.0s		
IDC	XII	06 09 31 31.6–1.1	10.49N	84.74W	32–8	4.2,4.2		
CASC	XII	06 09 31 32.2–1.6	10.11N	85.17W	21–3	4.8b,4.1L		
BJI	XII	06 09 31 33.8	10.20N	85.10W	52	5.4b,5.1s		
NEIC	XII	06 09 31 33.9–.53	10.27N	84.98W	56–5	4.9,4.8b		

ISC Event type fe.
MOS Error ellipse: s-maj=13.2km s-min=5.8km az=117.2.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.5km az=42.1.
IDC Error ellipse: s-maj=19.1km s-min=11.3km az=67.0.
CASC Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.5km az=48.0. Felt at Escazu, Grecia, Jicaral, Paquera and Puntarenas.

(280) Banda Sea

ISC	**XII**	**06 10 55 27.3–.09**	**7.47S–.01**	**124.70E–.01**	**406**	**6.0b**	**873**	**3-171**
BJI	XII	06 10 55 20.7	7.88S	125.19E	403	5.9b,5.8b		¶13402074
ISCJB	XII	06 10 55 25.7–.09	7.45S–.01	124.76E–.01	405	6.0b,5.8b		
NEIC	XII	06 10 55 26.4–.08	7.39S	124.75E	398	6.4W,6.4W		
IDC	XII	06 10 55 27.7–.38	7.33S	124.85E	410–3	5.7b,5.7		
BGS	XII	06 10 55 27.0–1.9	7.40S	124.74E	405–0	6.1b,5.7		
TEH	XII	06 10 55 27.0	7.38S	124.74E	408	6.1b,5.7		
MOS	XII	06 10 55 27.0–1.1	7.33S	124.76E	408	6.1b,5.5s		
DJA	XII	06 10 55 27.0–.10	8S–2.0	125E–1.0	415–2	6.8,6.8		
GCMT	XII	06 10 55 31.5–.10	7.44S	124.84E	407–0	6.4W,6.8		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.6km az=39.4.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=54.0. Felt [II] at Atambua and Dili, Timor-Leste. Also felt on Alor, Indonesia. Depth from broadband displacement seismograms. Energy computed from CMT mechanism.
IDC Error ellipse: s-maj=7.2km s-min=4.5km az=64.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.9km s-min=4.8km az=115.6.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 108 sta. Moment Tensor Solution. s122,c304; s99,c211; Moment tensor: Scale 10^{18}Nm; M_{rr}-4.83±.03 $M_{\theta\theta}$3.50±.04; $M_{\phi\phi}$1.33±.04; $M_{r\theta}$-0.92±.04; $M_{\theta\phi}$0.12±.04; $M_{\phi r}$3.79±.03; Best double couple: NP1: ϕ_s266.00000°,δ35.00000°,λ-128.00000°. NP2:ϕ_s129.00000°,δ63.00000°,λ-67.00000°. Principal axes: T 3.7200,Plg15.0000°,Azm202.0000°; N 2.9900,Plg20.0000°,Azm298.0000° ; P -6.7100,Plg64.0000°,Azm79.0000° $M_0$5.20000×10^{18}

(218) Near east coast of Kamchatka Peninsula

ISC	**XII**	**06 12 18 30.6–.34**	**53.26N–.04**	**159.78E–.06**	**87–2**	**4.2b**	**153**	**0-144**
IDC	XII	06 12 18 28.3–3.2	53.41N	159.49E	60–31	4.0,3.9		¶13402081
MOS	XII	06 12 18 28.7–1.3	53.28N	159.80E	86	4.1b,3.9		
ISCJB	XII	06 12 18 29.4–.33	53.27N–.04	159.79E–.06	93–2	4.2b,3.9		
KRSC	XII	06 12 18 29.9–.10	53.24N	159.98E	70–30	4.4L,3.9		
NEIC	XII	06 12 18 30.7–.63	53.37N	159.62E	85–6	4.6b,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=17.5km s-min=10.9km az=162.0.
MOS Event type fe. Error ellipse: s-maj=13.4km s-min=8.0km az=73.5. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=3.6km az=135.2.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.7km az=168.0.

(278) Bali Sea

ISC	**XII**	**06 15 22 13.3–1.2**	**7.78S–.04**	**117.72E–.03**	**1–8**	**4.6b**	**75**	**2-96**
ISCJB	XII	06 15 22 12.4–1.2	7.80S–.04	117.73E–.03	8–8	4.5b		¶12076038
IDC	XII	06 15 22 13.1–.93	7.73S	117.78E	0	4.0,3.9b		
DJA	XII	06 15 22 14	8.01S	117.67E	10	4.5,3.9b		
NEIC	XII	06 15 22 17.9–.29	7.77S	117.81E	35	4.8b,3.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.3km az=174.8.
IDC Error ellipse: s-maj=32.5km s-min=15.6km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=12.7km s-min=4.9km az=52.0. Felt [II] at Dompu.

(235) Kyushu

ISC	**XII**	**06 17 03 51.9–.61**	**32.88N–.03**	**130.81E–.07**	**13–5**	**3.2b**	**14**	**0-56**
NIED	XII	06 17 03 00	32.90N	130.80E	8	3.4W		¶11493274
IDC	XII	06 17 03 49.4–1.4	32.79N	130.73E	0	3.4,3.2b		
ISCJB	XII	06 17 03 51.7–.63	32.90N–.03	130.82E–.07	13–5	3.2b,3.2b		
JMA	XII	06 17 03 51.7	32.90N	130.83E	13	3.6,3.2b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s104.00000°,δ48.00000°,λ-68.00000°. NP2:ϕ_s253.00000°,δ47.00000°,λ-113.00000°. $M_0$1.64000×10^{14}
IDC Error ellipse: s-maj=38.8km s-min=19.1km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.3km az=171.0.
JMA Event type fe.

(460) Wyoming

ISC	**XII**	**06 19 11 37.1–.38**	**43.78N–.03**	**105.23W–.05**	**0**	**4.1b**	**74**	**1-90**
ISCJB	XII	06 19 11 35.2–.37	43.78N–.03	105.24W–.05	0	4.1b		¶12076055
NEIC	XII	06 19 11 36.9–.39	43.80N	105.26W	0	3.3L		
IDC	XII	06 19 11 38.2–.92	44.09N	105.73W	0	3.9b,3.8		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=4.4km az=162.3.
NEIC Event type fm. Error ellipse: s-maj=5.1km s-min=4.8km az=82.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.6km s-min=8.3km az=144.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**06 21 02 46.9–.47**	**36.75N–.04**	**141.35E–.04**	**35**	**4.1b,3.2s**	**66**	**1-147**
NIED	XII	06 21 02 00	36.70N	141.30E	32	3.9W,3.2s		¶11751616
IDC	XII	06 21 02 41.1–.71	36.68N	141.44E	0	4.0,3.9		
ISCJB	XII	06 21 02 44.7–.47	36.72N–.03	141.45E–.04	33	4.1b,3.2s		
NEIC	XII	06 21 02 46.6–1.0	36.74N	141.42E	36–8	4.2,3.2s		
JMA	XII	06 21 02 46.3–.10	36.74N	141.29E	47–2	3.9,3.2s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ73.00000°,λ-108.00000°. NP2:ϕ_s82.00000°,δ25.00000°,λ-45.00000°. $M_0$8.68000×10^{14}
IDC Error ellipse: s-maj=18.6km s-min=16.8km az=125.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.1km az=144.9.
NEIC Event type fe. Error ellipse: s-maj=12.4km s-min=7.2km az=140.0. Recorded [1 JMA] in Fukushima.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(460) Wyoming

ISC	**XII**	**06 21 07 11.8–.54**	**43.79N–.04**	**105.20W–.05**	**0**		**31**	**1-11**
ISCJB	XII	06 21 07 10.4–.58	43.77N–.04	105.17W–.05	0			¶12076067
NEIC	XII	06 21 07 11.6–.50	43.74N	105.18W	0	3.0L		
IDC	XII	06 21 07 11.0–1.9	43.87N	105.64W	0	3.6,3.3		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=6.5km s-min=5.1km az=32.1.
NEIC Event type fm. Error ellipse: s-maj=8.0km s-min=6.2km az=165.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=66.3km s-min=8.5km az=149.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**06 21 38 01.4–1.0**	**37.16N–.05**	**141.68E–.07**	**35**	**3.5b**	**32**	**1-61**
IDC	XII	06 21 37 59.1–1.1	38.09N	141.14E	0	3.6,3.5b		¶11751617
ISCJB	XII	06 21 38 00.8–1.2	37.15N–.05	141.66E–.08	33	3.5b,3.5b		
NIED	XII	06 21 38 00	37.20N	141.50E	56	3.8W,3.5b		
JMA	XII	06 21 38 02.6–.10	37.23N	141.44E	76–1	4.1,3.5b		
NEIC	XII	06 21 38 04.3–.93	38.05N	141.00E	35	4.1,3.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=30.3km s-min=23.2km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.4km az=29.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s247.00000°,δ70.00000°,λ100.00000°. NP2:ϕ_s40.00000°,δ22.00000°,λ65.00000°. $M_0$5.70000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s127.00000°,δ53.00000°,λ-111.00000°. NP2: ϕ_s340.00000°,δ42.00000°,λ-64.00000°. Principal axes: T Plg6.0000°,Azm232.0000° ; N Plg17.0000°,Azm140.0000°; P Plg72.0000°,Azm341.0000°
NEIC Event type fe. Error ellipse: s-maj=21.7km s-min=15.0km az=126.0. Recorded [2 JMA] in Fukushima and [1 JMA] in Tochigi.

(228) Near east coast of eastern Honshu

ISC	**XII**	**06 22 31 53.9–.42**	**38.47N–.02**	**141.19E–.03**	**8–2**	**4.4b**	**143**	**0-146**
NIED	XII	06 22 31 00	38.50N	141.20E	5	4.0W		¶13402115
JMA	XII	06 22 31 53.8	38.47N	141.18E	13–1	4.3		
ISCJB	XII	06 22 31 53.4–.43	38.44N–.03	141.22E–.04	19–2	4.4b		
MOS	XII	06 22 31 56.0–.94	38.46N	141.21E	43	4.5b		
NEIC	XII	06 22 31 58.1–.66	38.47N	141.17E	40–5	4.8b,4.0W		
IDC	XII	06 22 31 58.9–1.9	38.47N	141.05E	47–18	4.0,3.9		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ64.00000°,λ82.00000°. NP2:ϕ_s13.00000°,δ27.00000°,λ106.00000°. M_o1.28000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s180.00000°,δ64.00000°,λ76.00000°. NP2:ϕ_s29.00000°,δ29.00000°,λ116.00000°. Principal axes: T Plg68.0000°,Azm63.0000°; N Plg12.0000°,Azm186.0000°; P Plg18.0000° ,Azm280.0000°
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.6km az=37.0.
MOS Error ellipse: s-maj=10.5km s-min=8.4km az=90.1.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=4.8km az=132.0. Recorded [4 JMA] in Miyagi, [2 JMA] in Iwate and [1 JMA] in Akita and Yamagata. Moment Tensor Solution. M_o1.30000×10^{15}
IDC Error ellipse: s-maj=17.1km s-min=10.8km az=115.0.

(127) Chile-Argentina border region

ISC	**XII**	**06 22 51 13.1–.47**	**33.12S–.03**	**70.28W–.08**	**107–4**	**3.5b**	**52**	**0-155**
IDC	XII	06 22 50 58.7–1.6	33.41S	70.07W	0	4.2,4.0		**¶12076073**
ISCJB	XII	06 22 51 12.2–.46	33.12S–.03	70.29W–.08	111–3	3.5b,4.0		
GUC	XII	06 22 51 12.6–.69	33.09S	70.31W	110–3	4.2L,4.0		
NEIC	XII	06 22 51 12.0	33.09S	70.31W	110	4.2,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=76.2km s-min=39.9km az=26.0.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=5.0km az=169.8.
GUC Error ellipse: s-maj=2.0km s-min=4.2km az=-1.0.
NEIC Event type fe. Felt [II] at Santiago. After GUC.

(228) Near east coast of eastern Honshu

ISC	**XII**	**06 23 28 38.5–1.7**	**36.72N–.04**	**141.53E–.04**	**20–10**	**4.2b,3.4s**	**85**	**1-83**
NIED	XII	06 23 28 00	36.70N	141.40E	29	4.1W,3.4s		**¶11751620**
ISCJB	XII	06 23 28 38.5–1.1	36.73N–.05	141.60E–.07	34–7	4.2b,3.4s		
JMA	XII	06 23 28 40.0–.20	36.70N	141.35E	47–3	4.1,3.4s		
NEIC	XII	06 23 28 41.4–1.7	36.67N	141.61E	47–12	4.9b,4.1W		
IDC	XII	06 23 28 41.8–2.5	36.67N	141.53E	53–20	3.9L,3.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ83.00000°,λ81.00000°. NP2:ϕ_s251.00000°,δ12.00000°,λ143.00000°. M_o1.57000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.7km az=36.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=18.4km s-min=11.8km az=139.0. Recorded [2 JMA] in Fukushima and [1 JMA] in Ibaraki, Miyagi and Tochigi. Moment Tensor Solution. M_o1.60000×10^{15}
IDC Error ellipse: s-maj=18.8km s-min=13.3km az=129.0.

(546) Austria

ISC	**XII**	**07 02 47 40.7–.25**	**47.80N–.01**	**16.14E–.01**	**8–1**	**3.3b**	**552**	**0-37**
CSEM	XII	07 02 47 40.9–.09	47.77N	16.14E	10	4.2L		**¶11493358**
NEIC	XII	07 02 47 40.8–.53	47.83N	16.08E	10	3.9L		
LDG	XII	07 02 47 41.0–.04	47.75N	16.28E	12–0	3.6L		
IPEC	XII	07 02 47 41.1–.08	47.77N	16.21E	14–0	3.5L		
IDC	XII	07 02 47 41.1–1.4	47.86N	16.08E	0	3.5,3.5		
VIE	XII	07 02 47 41.3–.27	47.73N	16.13E	10–2	3.8L,3.3b		
BGR	XII	07 02 47 43.9–.41	47.80N	16.07E	10	3.9L,3.3b		
PRU	XII	07 02 47 43.5	47.90N	16.09E	17	3.9L,3.3b		
STR	XII	07 02 47 50.5–.66	47.88N	15.13E	5–0	3.6L,3.3b		

ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=173.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.5km az=150.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=177.0.
IPEC Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=130.0.
IDC Error ellipse: s-maj=15.1km s-min=10.4km az=145.0.
VIE Event type fe. Error ellipse: s-maj=2.8km s-min=1.8km az=136.0. 4 km ENE of Neunkirchen . felt 5 ems98 at Neunkirchen / LOWER AUSTRIA.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=90.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(353) Southern Iran

ISC	**XII**	**07 13 36 21.4–.10**	**26.91N–.02**	**55.90E–.01**	**14**	**5.5b,5.1s**	**1894**	**1-157**
BGS	XII	07 13 35 56.4–2.3	24.52N	58.19E	10–0	5.6b,5.5b		**¶13402149**
BJI	XII	07 13 36 14.3	27.05N	55.16E	10	5.5b,5.4s		
IDC	XII	07 13 36 18.7–.44	26.91N	55.92E	0	5.3,5.2		
ISCJB	XII	07 13 36 19.3–.11	26.88N–.02	55.89E–.01	13	5.5b,5.1s		
TEH	XII	07 13 36 19.1	26.88N	55.91E	11	5.5b,5.1s		
THR	XII	07 13 36 20.8–.67	26.96N	55.77E	11–9	5.6b,5.2L		
CSEM	XII	07 13 36 20.9–.10	26.93N	55.92E	11	5.5b,5.4W		
NEIC	XII	07 13 36 21.3	26.99N	55.80E	15	5.7b,5.4W		
MOS	XII	07 13 36 22.0–.95	26.94N	55.85E	33	5.8b,4.9s		
GCMT	XII	07 13 36 23.1–.10	26.82N	55.74E	12	5.4W,4.9s		
OMAN	XII	07 13 36 24.2–99	26.80N	56.13E	10–0	5.4W,4.9s		
DJA	XII	07 13 36 28	27.10N	55.88E	58	5.5b,4.9s		
SZGRF	XII	07 13 36 33.4	26.71N	53.73E	33	5.5b,4.8s		

ISC Event type de.
BGS Error ellipse: s-maj=999.9km s-min=756.0km az=-1.0.
IDC Error ellipse: s-maj=12.5km s-min=8.3km az=10.0.
ISCJB Event type de. Error ellipse: s-maj=2.3km s-min=1.6km az=14.1.
THR Error ellipse: s-maj=12.9km s-min=9.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=6.0.
NEIC Event type de. Five people injured and buildings damaged on Jazireh-ye Qeshm. Felt at Dubai, United Arab Emirates. After THR. Moment Tensor Solution. s50 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s356.00000°,δ19.00000°,λ45.00000°. NP2:ϕ_s223.00000°,δ76.00000°,λ104.00000°. Principal axes: T 1.5900,Plg56.0000°,Azm150.0000°; N -0.2000,Plg13.0000°,Azm39.0000° ; P -1.3900,Plg30.0000°,Azm301.0000° M_o1.50000×10^{17}
MOS Error ellipse: s-maj=5.2km s-min=3.0km az=120.9.
GCMT Event type se. Data Used: IU II G CN IC. Surface waves: sta= 90, comp=192, per= 50. Moment Tensor Solution. s69,c121; s27,c27; Moment tensor: Scale 10^{17}Nm; M_{rr}1.29±.02 $M_{\theta\theta}$-0.90±.02; $M_{\phi\phi}$-0.39±.02; $M_{r\theta}$-0.05±.06; $M_{\theta\phi}$-0.95±.02; $M_{\phi r}$-0.44±.06; Best double couple: NP1:ϕ_s69.00000°,δ41.00000°,λ115.00000°. NP2:ϕ_s217.00000°,δ53.00000°,λ69.00000°. Principal axes: T 1.4200,Plg73.0000°,Azm71.0000°; N 0.2400,Plg16.0000°,Azm230.0000° ; P -1.6600,Plg6.0000°,Azm322.0000° M_o1.50000×10^{17}
OMAN Error ellipse: s-maj=868.0km s-min=31.6km az=8.0.
SZGRF Southern Iran.

(460) Wyoming

ISC	**XII**	**07 19 12 33.5–.35**	**43.72N–.03**	**105.12W–.05**	**0**	**3.9b**	**66**	**1-82**
IDC	XII	07 19 12 30.8–1.8	43.35N	105.17W	0	3.9,3.8b		**¶12076239**
ISCJB	XII	07 19 12 31.6–.36	43.71N–.03	105.11W–.05	0	3.9b,3.8b		
NEIC	XII	07 19 12 33.5–.27	43.71N	105.13W	0	3.4L,3.8b		

ISC Event type fm.
IDC Error ellipse: s-maj=42.7km s-min=7.6km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=5.1km s-min=4.4km az=38.7.
NEIC Event type fm. Error ellipse: s-maj=3.9km s-min=3.3km az=130.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(159) North Island

WEL	**XII**	**07 19 33 21.4–.04**	**41.13S**	**175.13E**	**8–0**	**3.5L**		
NEIC	XII	07 19 33 21.4	41.13S	175.13E	8	3.5L		**¶11656752**

WEL Event type fe. Error ellipse: s-maj=0.4km s-min=0.3km az=90.0. Felt in the Wellington region, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Silverstream and Upper Hutt. After WEL.

(243) Taiwan region

ISC	**XII**	**07 21 18 38.1–.09**	**23.88N–.01**	**122.19E–.01**	**48**	**5.3b,4.6s**	**900**	**1-168**
NIED	XII	07 21 18 00	23.90N	122.20E	29	5.2W,4.6s		**¶13402189**
IDC	XII	07 21 18 30.9–.42	23.92N	122.17E	0	5.0b,5.0		
BJI	XII	07 21 18 32.0	23.83N	122.25E	17	5.1L,5.0b		
NEIC	XII	07 21 18 36.7	23.84N	122.17E	12	5.4b,5.0b		
JMA	XII	07 21 18 36.8–.20	23.85N	122.17E	65	5.5,5.0b		
ISCJB	XII	07 21 18 36.3–.10	23.85N–.01	122.23E–.01	46	5.3b,4.6s		
MOS	XII	07 21 18 37.1–.95	23.94N	122.14E	52	5.5b,4.7s		
TAP	XII	07 21 18 37.2	23.85N	122.20E	35–0	5.9L,4.7s		
TEH	XII	07 21 18 37.0	23.88N	122.11E	35	5.9L,4.7s		
GCMT	XII	07 21 18 38.3–.20	23.81N	122.18E	38–0	5.2W,4.7s		
DJA	XII	07 21 18 39	23.84N	122.23E	50	5.3W,4.7s		
SZGRF	XII	07 21 18 49.3	25.76N	120.56E	33	5.2b,4.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ49.00000°,λ74.00000°. NP2: ϕ_s213.00000°,δ44.00000°,λ107.00000°. M_o6.07000×10^{16}
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=62.0.
NEIC Event type fe. Felt at Taipei. Recorded [4 TAP] in Hua-lien; [3 TAP] in Chang-hua and T'ai-tung; [2 TAP] in I-lan, T'ai-chung, T'ai-nan and T'ai-pei; [1 TAP] in Chia-i, Nan-t'ou, P'eng-hu and P'ing-tung. Recorded [1 JMA] on Iriomote-jima and Yonoguni-jima, Ryukyu Islands. After TAP.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=143.1.
MOS Error ellipse: s-maj=7.5km s-min=4.0km az=119.8.
TAP B.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s55,c76; s79,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}6.34±.22 $M_{\theta\theta}$1.33±.14; $M_{\phi\phi}$-7.67±.15; $M_{r\theta}$-1.52±.14; $M_{\theta\phi}$-1.48±.12; $M_{\phi r}$2.63±.16; Best double couple: NP1:ϕ_s208.00000°,δ39.00000°,λ119.00000°. NP2:ϕ_s352.00000°,δ57.00000°,λ69.00000°. Principal axes: T 7.3400,Plg70.0000° ,Azm214.0000°; N 0.9600,Plg18.0000°,Azm4.0000°; P -8.3000,Plg9.0000°,Azm97.0000° M_o7.80000×10^{16}
SZGRF Taiwan region.

(228) Near east coast of eastern Honshu

ISC	**XII**	**07 21 50 23.2–.44**	**40.89N–.03**	**142.05E–.05**	**61–4**	**3.9b**	**75**	**1-71**
ISCJB	XII	07 21 50 22.2–.44	40.88N–.03	142.05E–.05	70–3	3.8b		**¶12076250**
JMA	XII	07 21 50 22.4–.10	40.90N	142.14E	51–3	3.5		
MOS	XII	07 21 50 22.0–.78	40.88N	142.36E	83	4.0b		
NEIC	XII	07 21 50 24.2–.67	40.88N	142.20E	78–7	4.1b		
IDC	XII	07 21 50 27.1–6.4	40.80N	141.95E	98–53	3.5b,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.6km az=31.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=15.4km s-min=9.5km az=83.8.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=6.6km az=104.0.
IDC Error ellipse: s-maj=63.4km s-min=22.2km az=71.0.

(362) Western Caucasus

ISC	**XII**	**08 07 26 23.0–.38**	**43.34N–.02**	**44.20E–.03**	**3–4**		**80**	**0-5**
MOS	XII	08 07 26 21.7–1.0	43.33N	44.18E	7	4.3b		**¶13875699**
ISCJB	XII	08 07 26 22.5–.39	43.34N–.02	44.16E–.03	2–4	4.3b		
CSEM	XII	08 07 26 22.6–.21	43.32N	44.17E	2	4.3b		

ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=9.1km s-min=6.9km az=117.5. Felt (III-IV) at El'khotovo. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=33.8.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=33.0.

(310) Nepal

ISC	**XII**	**08 08 59 08.8–.09**	**29.99N–.02**	**82.09E–.02**	**15**	**5.3b,4.8s**	**918**	**2-155**
BGS	XII	08 08 58 52.5–1.8	28.59N	85.02E	33–0	5.3b,4.8s		**¶12076333**
SZGRF	XII	08 08 59 04.5	28.80N	82.67E	33	5.4b,4.6s		
LDG	XII	08 08 59 05.1–.18	29.93N	81.99E	10–0	5.5b,4.5s		
IDC	XII	08 08 59 05.4–.34	29.85N	82.18E	0	5.2L,5.1		
BJI	XII	08 08 59 06.9	30.11N	82.23E	10	5.3s,5.3b		
ISCJB	XII	08 08 59 06.8–.09	29.98N–.02	82.05E–.02	14	5.3b,4.8s		
MOS	XII	08 08 59 07.4–1.1	29.92N	82.05E	21	5.5b,4.7s		
DJA	XII	08 08 59 08	29.89N	82.11E	10	5.5b,4.7s		
DMN	XII	08 08 59 08.7–.30	30.15N	81.86E	60–0	6.4L,4.7s		
NDI	XII	08 08 59 09.9–4.1	29.82N	82.10E	33–0	5.5b,5.3L		
NEIC	XII	08 08 59 11.3–.36	29.95N	82.05E	36–3	5.5b,4.8s		
GCMT	XII	08 08 59 12.5–.20	29.65N	82.01E	20–0	5.3W,4.8s		

ISC Event type fe.
BGS Error ellipse: s-maj=934.1km s-min=999.9km az=-1.0.
SZGRF Nepal.
LDG Event type ke. Error ellipse: s-maj=9.4km s-min=4.1km az=92.0.
IDC Error ellipse: s-maj=11.3km s-min=9.7km az=25.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=26.9.
MOS Error ellipse: s-maj=6.1km s-min=3.2km az=124.9.
DMN Event type ke. Error ellipse: s-maj=8.0km s-min=5.7km az=41.0.
NDI Error ellipse: s-maj=14.2km s-min=11.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.3km az=218.0. Felt [III] at Pokhara.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s51,c78; s90,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.61±.21 $M_{\theta\theta}$-6.77±.19; $M_{\phi\phi}$9.37±.20; $M_{r\theta}$3.86±.44; $M_{\theta\phi}$2.57±.15; $M_{\phi r}$-2.44±.38; Best double couple: NP1:ϕ_s230.00000°,δ62.00000°,λ-17.00000°. NP2:ϕ_s328.00000°,δ75.00000°,λ-151.00000°. Principal axes: T 10.1000,Plg9.0000° ,Azm97.0000°; N -0.4000,Plg57.0000°,Azm353.0000°; P -9.7000,Plg31.0000° ,Azm192.0000° M_o9.90000×10^{16}

(135) Near coast of central Chile

ISC	**XII**	**08 13 58 44.6–.16**	**29.32S–.02**	**71.13W–.05**	**55**	**4.5b,3.8s**	**223**	**0-177**
ISCJB	XII	08 13 58 43.0–.15	29.31S–.02	71.28W–.04	53	4.5b,3.8s		**¶12076365**
NEIC	XII	08 13 58 43.8–.30	29.19S	71.13W	54	4.7b,3.8s		
GUC	XII	08 13 58 43.3–.74	29.33S	71.23W	54–19	5.1L,3.8s		
IDC	XII	08 13 58 43.7–.59	29.33S	71.32W	56–4	4.3,4.2b		
BJI	XII	08 13 58 44.7	29.20S	71.10W	52	5.3s,5.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.9km az=168.0.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=6.7km az=52.0. Felt [II] at La Serena.
GUC Error ellipse: s-maj=2.0km s-min=13.7km az=-1.0.
IDC Error ellipse: s-maj=26.8km s-min=10.7km az=47.0.

(353) Southern Iran

ISC	**XII**	**08 14 41 47.6–.52**	**26.85N–.01**	**55.86E–.01**	**33–3**	**5.3b,4.6s**	**1309**	**1-134**
BGS	XII	08 14 41 18.1–2.5	23.45N	57.32E	10–0	5.2b,4.6s		**¶14882682**
IDC	XII	08 14 41 42.9–.35	26.92N	56.01E	0	5.2b,5.2		
TEH	XII	08 14 41 43.3	26.95N	55.83E	6	5.2b,5.2		
ISCJB	XII	08 14 41 43.9–.47	26.86N–.02	55.85E–.01	20–3	5.3b,4.6s		
NEIC	XII	08 14 41 43.3	26.92N	55.85E	6	5.5b,5.3L		
BJI	XII	08 14 41 43.7	27.11N	55.27E	39	5.4b,5.2b		
CSEM	XII	08 14 41 44.2–.10	26.87N	55.86E	9	5.3b,5.2W		
THR	XII	08 14 41 44.1–.57	27.00N	55.81E	2–0	5.3b,4.9L		
OMAN	XII	08 14 41 45.4–1.9	26.90N	55.74E	12–0	5.3b,4.9L		
MOS	XII	08 14 41 47.9–.88	26.97N	55.83E	49	5.5b,4.4s		
DJA	XII	08 14 41 52	26.81N	56.06E	60	5.4b,4.4s		
SZGRF	XII	08 14 42 05.4	27.33N	52.89E	33	4.4b,4.4s		

ISC Event type fe.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=9.6km s-min=6.7km az=3.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.1km az=21.5.
NEIC Event type fe. Felt at Dubai, United Arab Emirates. After THR.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=12.0.
THR Error ellipse: s-maj=7.3km s-min=5.1km az=-1.0.
OMAN Error ellipse: s-maj=28.8km s-min=5.3km az=44.0.
MOS Error ellipse: s-maj=5.4km s-min=3.2km az=121.7.
SZGRF Southern Iran.

(117) Southern Peru

ISC	**XII**	**08 15 46 39.8–1.1**	**16.85S–.09**	**71.47W–.10**	**104–11**	**4.0b**	**27**	**3-149**
NEIC	XII	08 15 46 37.3–1.1	16.79S	71.62W	81–10	4.3b		**¶12076373**
ISCJB	XII	08 15 46 38.7–1.2	16.82S–.09	71.48W–.10	110–12	4.0b		
IDC	XII	08 15 46 39.4–2.1	16.74S	71.39W	96–18	4.0,3.9		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=15.3km s-min=10.6km az=56.0. Felt [IV] at Mollendo and Punta de Bombon; [III] at Arequipa.
ISCJB Event type fe. Error ellipse: s-maj=19.0km s-min=10.1km az=135.1.
IDC Error ellipse: s-maj=24.2km s-min=14.3km az=38.0.

(460) Wyoming

ISC	**XII**	**08 19 07 27.7–.18**	**43.67N–.01**	**105.28W–.02**	**0**		**187**	**0-61**
IDC	XII	08 19 07 22.0–2.6	42.92N	104.99W	0	4.0,3.8L		**¶12076394**
NEIC	XII	08 19 07 25.9–1.3	43.46N	105.08W	0	3.1L,3.8L		
ISCJB	XII	08 19 07 26.7–.18	43.68N–.01	105.31W–.02	0	3.1L,3.8L		

ISC Event type fm.
NEIC Event type fm. 85 km [50 miles] WSW of Newcastle. Suspected Mining explosion.
ISCJB Event type fm.

(227) Eastern Honshu

ISC	**XII**	**08 21 16 52.9–.43**	**36.77N–.04**	**139.91E–.06**	**112–3**	**3.7b**	**54**	**0-148**
ISCJB	XII	08 21 16 51.7–.43	36.76N–.04	139.90E–.07	119–3	3.7b		**¶12076415**
JMA	XII	08 21 16 52.9–.10	36.71N	139.92E	110–1	3.7		
IDC	XII	08 21 16 52.3–1.5	36.87N	139.97E	105–13	3.6,3.4b		
NEIC	XII	08 21 16 52.6–.86	36.86N	139.92E	108–7	3.9b,3.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=5.6km az=31.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s164.00000°,δ74.00000°,λ118.00000°. NP2:

ϕ_e282.00000°,δ32.00000°,λ32.00000°. Principal axes: T Plg53.0000°,Azm107.0000° ; N Plg26.0000°,Azm336.0000°; P Plg24.0000°,Azm233.0000°
IDC Error ellipse: s-maj=21.0km s-min=11.4km az=114.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=7.9km az=124.0.

(710) Pakistan

ISC	**XII**	**09 02 46 32.0–.73**	**30.36N–.02**	**67.51E–.02**	**1–4**	**5.0b,4.9s**	**709**	**4-159**
IDC	XII	09 02 46 31.8–.44	30.34N	67.43E	0	4.8s,4.8		**¶12076458**
ISCJB	XII	09 02 46 31.5–.13	30.32N–.02	67.53E–.02	12	5.0b,4.9s		
BJI	XII	09 02 46 32.7	30.69N	67.43E	7	5.3s,5.1		
NEIC	XII	09 02 46 32.7–.22	30.34N	67.56E	10	5.3b,5.1		
SZGRF	XII	09 02 46 32.8	30.20N	68.04E	33	5.4b,4.6s		
DJA	XII	09 02 46 34	30.35N	67.51E	10	5.0b,4.6s		
MOS	XII	09 02 46 34.4–1.1	30.49N	67.44E	25	5.3b,4.8s		
NNC	XII	09 02 46 34.2–1.9	30.62N	67.56E	0	4.8b,4.8s		
GCMT	XII	09 02 46 35.5–.20	30.32N	67.48E	16–1	5.2W,4.8s		

ISC Event type fe.
IDC Error ellipse: s-maj=9.6km s-min=8.3km az=156.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=9.2.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.5km az=194.0. Felt at Quetta and Ziarat.
SZGRF Pakistan.
MOS Error ellipse: s-maj=5.6km s-min=3.5km az=121.7.
NNC Error ellipse: s-maj=26.0km s-min=17.9km az=151.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s47,c70; s90,c167; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.17 $M_{\theta\theta}$-6.34±.17; $M_{\phi\phi}$6.97±.17; $M_{r\theta}$0.38±.40; $M_{\theta\phi}$5.01±.14; $M_{\phi r}$2.27±.46; Best double couple: NP1:ϕ_s64.00000°,δ79.00000°,λ7.00000°. NP2:ϕ_s333.00000°,δ83.00000°,λ169.00000°. Principal axes: T 9.1700,Plg13.0000° ,Azm288.0000°; N -1.1300,Plg77.0000°,Azm121.0000°; P -8.0300,Plg3.0000°,Azm19.0000° M_o8.60000×10^{16}

(14) Kenai Peninsula

ISC	**XII**	**09 05 23 03.5–.28**	**60.65N–.03**	**151.65W–.05**	**78–5**	**3.6b**	**91**	**0-62**
ISCJB	XII	09 05 23 02.2–.28	60.66N–.03	151.65W–.05	89–4	3.6b		**¶12076471**
NEIC	XII	09 05 23 04.5	60.66N	151.70W	68	3.9L,3.5L		
IDC	XII	09 05 23 04.0–1.4	60.64N	151.86W	89–27	3.6,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.2km az=41.3.
NEIC Event type fe. Felt at Chugiak and Homer. After AEIC.
IDC Error ellipse: s-maj=41.9km s-min=10.4km az=111.0.

(266) Northern Molucca Sea

ISC	**XII**	**09 05 33 14.9–.37**	**1.24N–.02**	**126.97E–.03**	**74–3**	**5.0b**	**368**	**1-160**
TEH	XII	09 05 33 00.0	1.14N	126.84E	98	5.0b		**¶12076472**
MOS	XII	09 05 33 09.5–.91	1.26N	126.85E	41	5.2b,4.1s		
BJI	XII	09 05 33 12.1	0.93N	127.13E	86	5.1b,4.9b		
ISCJB	XII	09 05 33 13.3–.42	1.25N–.02	126.97E–.03	75–3	5.0b,4.9b		
IDC	XII	09 05 33 14.4–1.1	1.24N	126.86E	68–9	4.6,4.6		
DJA	XII	09 05 33 15	1.27N	126.96E	70	5.3b,4.6		
NEIC	XII	09 05 33 15.2–.87	1.22N	126.89E	79–8	5.1b,4.6		
GCMT	XII	09 05 33 16.0–.20	1.50N	126.78E	75–1	5.2W,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=6.1km az=111.8.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.4km az=172.2.
IDC Error ellipse: s-maj=14.3km s-min=6.9km az=78.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.0km az=67.0. Felt [III] on Pulau Ternate, Indonesia.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c92; s80,c131; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.93±.22 $M_{\theta\theta}$6.28±.18; $M_{\phi\phi}$-0.36±.23; $M_{r\theta}$2.87±.14; $M_{\theta\phi}$2.19±.19; $M_{\phi r}$-2.78±.18; Best double couple: NP1:ϕ_s50.00000°,δ42.00000°,λ-130.00000°. NP2:ϕ_s278.00000°,δ59.00000°,λ-60.00000°. Principal axes: T 7.2600,Plg9.0000° ,Azm347.0000°; N 0.6700,Plg26.0000°,Azm82.0000°; P -7.9400,Plg63.0000°,Azm239.0000° M_o7.60000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**XII**	**09 09 35 41.3–1.3**	**36.40N–.05**	**141.12E–.07**	**33–6**	**3.9b**	**35**	**0-60**
ISCJB	XII	09 09 35 40.8–1.3	36.39N–.07	141.12E–.09	42–10	3.9b		**¶12076512**
IDC	XII	09 09 35 40.4–5.7	36.16N	141.15E	35–45	3.7,3.7b		
JMA	XII	09 09 35 41.5–.10	36.39N	141.03E	47–1	3.4,3.7b		
NEIC	XII	09 09 35 41.6	36.39N	141.03E	47	3.4,3.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.6km s-min=6.9km az=43.3.
IDC Error ellipse: s-maj=31.0km s-min=26.8km az=122.0.
JMA Event type fe.
NEIC Event type se. After JMA.

(227) Eastern Honshu

ISC	**XII**	**09 10 09 09.7–.39**	**38.74N–.02**	**140.81E–.03**	**10**	**3.7b**	**36**	**0-62**
ISCJB	XII	09 10 09 09.1–.39	38.74N–.02	140.81E–.03	10	3.7b		**¶12076523**
JMA	XII	09 10 09 09.4	38.75N	140.79E	4–1	3.3		
IDC	XII	09 10 09 09.2–1.7	38.53N	141.03E	0	3.6b,3.6		
NEIC	XII	09 10 09 09.5	38.75N	140.79E	4	3.3,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.1km az=33.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s345.00000°,δ68.00000°,λ46.00000°. NP2:ϕ_e233.00000°,δ48.00000°,λ149.00000°. Principal axes: T Plg48.0000°,Azm208.0000°; N Plg40.0000°,Azm5.0000°; P Plg12.0000° ,Azm105.0000°
IDC Error ellipse: s-maj=39.5km s-min=19.9km az=136.0.
NEIC Event type se. After JMA.

(353) Southern Iran

ISC	**XII**	**09 15 09 24.9–.13**	**26.82N–.01**	**55.83E–.02**	**10**	**4.9b,4.3s**	**946**	**1-127**
BJI	XII	09 15 09 18.7	26.90N	55.02E	14	5.1b,4.8s		**¶13402334**
SGS	XII	09 15 09 22.4	26.96N	56.29E	12	5.1b,4.8s		
NEIC	XII	09 15 09 23.9	26.80N	55.68E	14	5.2b,5.0L		
ISCJB	XII	09 15 09 23.1–.14	26.81N–.02	55.80E–.02	10	4.9b,4.3s		
IDC	XII	09 15 09 23.2–.50	26.88N	55.92E	0	4.7,4.7		
TEH	XII	09 15 09 24.5	26.75N	55.70E	27	4.7,4.7		
CSEM	XII	09 15 09 26.2–.10	26.94N	55.86E	15	5.0b,5.0W		
THR	XII	09 15 09 27.4–.79	27.08N	55.80E	15–0	5.0L,5.0W		
GCMT	XII	09 15 09 27.4–.30	26.75N	55.80E	14–0	5.0W,5.0W		
MOS	XII	09 15 09 29.0–.83	26.99N	55.84E	52	5.3b,4.2s		
OMAN	XII	09 15 09 30.7–9.6	26.83N	55.98E	46–1	5.3b,4.2s		
SZGRF	XII	09 15 09 48.6	27.72N	52.85E	33	4.7b,3.9s		
DJA	XII	09 15 09 49	27.23N	56.72E	164	4.8b,3.9s		

ISC Event type fe.
NEIC Event type fe. Felt at Dubai, United Arab Emirates. After THR.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.2km az=30.2.
IDC Error ellipse: s-maj=13.6km s-min=10.7km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=28.0.
THR Error ellipse: s-maj=6.6km s-min=6.6km az=-1.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s31,c39; s74,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}3.69±.20 $M_{\theta\theta}$-3.55±.14; $M_{\phi\phi}$-0.14±.14; $M_{r\theta}$1.98±.30; $M_{\theta\phi}$-1.28±.10; $M_{\phi r}$-0.06±.36; Best double couple: NP1:ϕ_s241.00000°,δ33.00000°,λ73.00000°. NP2:ϕ_s81.00000°,δ59.00000°,λ101.00000°. Principal axes: T 4.2300,Plg74.0000° ,Azm19.0000°; N 0.1800,Plg9.0000°,Azm256.0000°; P -4.4100,Plg13.0000°,Azm164.0000° M_o4.30000×10^{16}
MOS Error ellipse: s-maj=5.8km s-min=3.4km az=122.2.
OMAN Error ellipse: s-maj=4.1km s-min=2.5km az=333.0.
SZGRF Southern Iran.

(197) Near north coast of Irian Jaya

ISC	**XII**	**09 15 31 52.4–.46**	**2.80S–.02**	**139.36E–.03**	**62–4**	**5.5b**	**463**	**1-159**
BJI	XII	09 15 31 43.2	3.38S	139.78E	47	5.4b,5.1s		**¶12076560**
MOS	XII	09 15 31 46.9–1.1	2.81S	139.28E	32	5.6b,4.9s		
ISCJB	XII	09 15 31 49.6–.46	2.79S–.02	139.39E–.02	54–4	5.5b,5.2s		
NEIC	XII	09 15 31 50.2–.17	2.81S	139.32E	45	5.6b,5.6W		
DJA	XII	09 15 31 51.7–.20	3S–3.0	139E–2.0	51–3	6.0b,5.8		
GCMT	XII	09 15 31 53.2–.10	2.82S	139.39E	23	5.7W,5.8		
IDC	XII	09 15 31 55.5–3.5	2.92S	139.07E	89–31	5.0,4.9s		

ISC Event type fe.
MOS Error ellipse: s-maj=10.0km s-min=5.4km az=110.5.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=40.2.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.9km az=66.0. Felt [IV] at Genyem, Jayapura and Sentani; [III] at Sarmi. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$1.33 $M_{r\theta}$-1.64 $M_{\theta\phi}$0.42 $M_{\phi r}$2.37 Best double couple: NP1: ϕ_s146.00000°,δ89.00000°,λ-115.00000°. NP2:ϕ_s53.00000°,δ25.00000°,λ-4.00000°. Principal axes: T 3.1800,Plg38.0000°,Azm258.0000°; N -0.0100,Plg24.0000°,Azm146.0000° ; P -3.1700,Plg41.0000°,Azm32.0000° M_o3.20000×10^{17}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=204, per= 50. Moment Tensor Solution. s82,c148; s1,c1; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.30±.04 $M_{\theta\theta}$-0.65±.03; $M_{\phi\phi}$0.95±.03; $M_{r\theta}$-3.04±.05; $M_{\theta\phi}$0.06±.02; $M_{\phi r}$3.72±.06; Best double couple: NP1:ϕ_s41.00000°,δ9.00000°,λ-10.00000°. NP2:ϕ_s141.00000°,δ88.00000°,λ-99.00000°. Principal axes: T 4.8600,Plg43.0000°,Azm240.0000°; N 0.0400,Plg9.0000°,Azm141.0000° ; P -4.9000,Plg46.0000°,Azm42.0000° M_o4.90000×10^{17}
IDC Error ellipse: s-maj=15.7km s-min=8.1km az=84.0.

(39) Central California

NEIC	**XII**	**09 16 25 46.6**	**37.48N**	**121.81W**	**6**	**3.5L**		**¶12076569**

NEIC Event type fe. Felt [III] at Santa Clara and [II] at Fremont, Milpitas, Pleasanton and San Jose. Also felt at Campbell, Half Moon Bay, Hayward, Menlo Park, Modesto, Mountain View, San Francisco and San Ramon. After NCEDC.

(267) Halmahera

ISC	**XII**	**09 16 48 44.9–.82**	**0.88N–.05**	**127.67E–.06**	**67–8**	**4.2b**	**63**	**0-93**
IDC	XII	09 16 48 36.0–.73	1.04N	127.89E	0	4.3,4.2b		**¶12076573**
NEIC	XII	09 16 48 41.1–.38	1.01N	127.91E	35	4.4b,4.2b		
ISCJB	XII	09 16 48 42.9–.88	0.88N–.05	127.66E–.05	66–8	4.2b,4.2b		
DJA	XII	09 16 48 42	0.76N	127.62E	5	4.5,4.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=32.4km s-min=12.9km az=80.0.
NEIC Event type fe. Error ellipse: s-maj=13.6km s-min=6.2km az=74.0. Felt [II] on Pulau Ternate.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=6.7km az=144.1.

(307) Sichuan

ISC	**XII**	**09 18 53 09.1–.73**	**32.53N–.02**	**105.39E–.02**	**9–4**	**5.4b,4.5s**	**957**	**2-175**
BJI	XII	09 18 53 07.4	32.52N	105.48E	10	5.2L,5.2b		**¶13402354**
ISCJB	XII	09 18 53 07.6–.09	32.50N–.01	105.35E–.02	10	5.4b,4.5s		
IDC	XII	09 18 53 07.6–.32	32.58N	105.46E	0	5.3,5.2		
MOS	XII	09 18 53 09.0–.78	32.49N	105.45E	24	5.6b,4.4s		
GCMT	XII	09 18 53 10.4–.30	32.66N	105.65E	16–1	5.1W,4.4s		
NEIC	XII	09 18 53 11.1–1.1	32.52N	105.40E	24–7	5.5b,4.5s		
SZGRF	XII	09 18 53 11.3	32.17N	105.58E	33	5.5b,4.3s		
DJA	XII	09 18 53 15	32.48N	105.13E	54	5.6b,4.3s		

ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=2.3km s-min=2.1km az=163.3.
IDC Error ellipse: s-maj=12.3km s-min=7.9km az=49.0.
MOS Error ellipse: s-maj=6.2km s-min=3.4km az=118.5.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s12,c14; s62,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}3.44±.35 $M_{\theta\theta}$-1.85±.21; $M_{\phi\phi}$-1.59±.22; $M_{r\theta}$-4.21±.81; $M_{\theta\phi}$-2.47±.13; $M_{\phi r}$2.24±.74; Best double couple: NP1:ϕ_s24.00000°,δ38.00000°,λ34.00000°. NP2:ϕ_s266.00000°,δ70.00000°,λ123.00000°. Principal axes: T 6.9500,Plg53.0000° ,Azm216.0000°; N -2.2300,Plg30.0000°,Azm74.0000°; P -4.7100,Plg18.0000° ,Azm332.0000° M_o5.80000×10^{16}
NEIC Event type de. Error ellipse: s-maj=3.3km s-min=2.6km az=46.0. At least two people killed at Guangyuan and three injured in Lizhou. Felt [II] at Chengdu. Also felt at Ziyang.
SZGRF Sichuan, China.

(710) Pakistan

ISC	**XII**	**09 22 52 37.6–.10**	**30.39N–.02**	**67.42E–.01**	**10**	**5.6s,5.5b**	**1197**	**0-176**
IDC	XII	09 22 52 35.9–.36	30.43N	67.46E	0	5.5s,5.5		**¶13402361**
ISCJB	XII	09 22 52 35.6–.10	30.38N–.02	67.43E–.01	10	5.6s,5.5b		
MOS	XII	09 22 52 36.9–1.0	30.47N	67.46E	17	5.8b,5.5s		
NNC	XII	09 22 52 36.4–1.7	30.43N	67.62E	0	5.4b,5.5s		
BJI	XII	09 22 52 36.9	30.72N	67.53E	9	6.0s,5.8		
SZGRF	XII	09 22 52 36.8	29.40N	67.44E	33	5.6b,5.3s		
BGS	XII	09 22 52 37.2–2.2	29.88N	66.71E	10–0	5.7s,5.3b		
NEIC	XII	09 22 52 37.6–.12	30.44N	67.40E	10	5.7b,5.7s		
GCMT	XII	09 22 52 39.3–.10	30.33N	67.51E	16	5.7W,5.7s		
DJA	XII	09 22 52 55	30.00N	67.66E	136	5.5b,5.7s		

ISC Event type se.
IDC Error ellipse: s-maj=9.2km s-min=8.4km az=24.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=11.4.
MOS Error ellipse: s-maj=5.3km s-min=3.1km az=123.6.
NNC Error ellipse: s-maj=23.3km s-min=15.9km az=155.0.
SZGRF Pakistan.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=10.0. Felt strongly at Quetta. Also felt in Pishin and Ziarat. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}0.20 $M_{\theta\theta}$-1.77 $M_{\phi\phi}$1.57 $M_{r\theta}$-0.03 $M_{\theta\phi}$1.00 $M_{\phi r}$0.24 Best double couple: NP1:ϕ_s61.00000° ,δ83.00000°,λ4.00000°. NP2:ϕ_s330.00000°,δ86.00000°,λ173.00000°. Principal axes: T 1.8800,Plg7.0000°,Azm285.0000°; N 0.1800,Plg82.0000°,Azm122.0000° ; P -2.0500,Plg2.0000°,Azm15.0000° M_o2.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=101, comp=219, per= 50. Moment Tensor Solution. s73,c139; s29,c30; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.40±.04 $M_{\theta\theta}$-3.03±.05; $M_{\phi\phi}$3.43±.05; $M_{r\theta}$-0.35±.12; $M_{\theta\phi}$2.10±.04; $M_{\phi r}$0.97±.13; Best double couple: NP1:ϕ_s62.00000°,δ75.00000°,λ0.00000°. NP2:ϕ_s152.00000°,δ90.00000°,λ-165.00000°. Principal axes: T 4.2000,Plg10.0000°,Azm286.0000°; N -0.4400,Plg75.0000°,Azm152.0000° ; P -3.7700,Plg11.0000°,Azm18.0000° M_o4.00000×10^{17}

(43) Southern California

ISC	**XII**	**10 00 29 25.6–.30**	**34.14N–.02**	**117.38W–.01**	**8–2**		**103**	**0-7**
ISCJB	XII	10 00 29 25.2–.41	34.14N–.02	117.37W–.01	8–3			**¶12076646**
NEIC	XII	10 00 29 26.2	34.16N	117.38W	8	3.6L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=16.5.
NEIC Event type fe. Felt [III] at Fontana, Riverside and San Bernardino; [II] at Chino, Corona, Diamond Bar, Los Angeles, Ontario, Pomona, Rancho Cucamonga, Redlands, Rialto and Tujunga. Also felt at Apple Valley, Azusa, Bloomington, Blue Jay, Burbank, Chino Hills, Claremont, Colton, Compton, Covina, Crestline, Fullerton, Highland, Lake Arrowhead, Loma Linda, Los Alamitos, Mira Loma, Monterey Park, Moreno Valley, Palm Springs, Pasadena, Placentia, Sherman Oaks, Stanton, Torrance, Upland, West Covina, Wrightwood and Yucaipa. After PAS.

(277) Jawa

ISC	**XII**	**10 02 46 06.5–.46**	**8.02S–.06**	**108.32E–.03**	**87–3**	**4.5b**	**130**	**1-148**
IDC	XII	10 02 45 55.8–.57	7.79S	108.22E	0	4.4,4.3		**¶12076657**
NEIC	XII	10 02 46 02.3–2.4	7.89S	108.22E	48–22	4.5b,4.3		
DJA	XII	10 02 46 04	8.26S	108.25E	34	4.9,4.3		
ISCJB	XII	10 02 46 05.6–.46	7.95S–.06	108.35E–.03	92–3	4.5b,4.3		
BJI	XII	10 02 46 05.8	8.01S	108.12E	96	4.9b,4.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=27.3km s-min=13.4km az=53.0.
NEIC Event type fe. Error ellipse: s-maj=18.1km s-min=7.6km az=52.0. Felt [III] at Cilacap and Pangandaran and [II] at Ciamis and Tasikmalaya.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=3.5km az=21.6.

(662) Sakhalin Island

SKHL	**XII**	**10 09 03 44.3–.60**	**47.40N**	**142.10E**	**10–0**	**3.6b**		**¶14238940**

(139) Mendoza Province

ISC	**XII**	**10 10 53 51.1–.64**	**33.11S–.04**	**69.18W–.03**	**7–4**	**4.1b,3.7s**	**57**	**0-154**
IDC	XII	10 10 53 49.9–.79	33.05S	69.10W	0	4.3,4.2		**¶12076726**
ISCJB	XII	10 10 53 50.9–.74	33.11S–.03	69.12W–.03	13–5	4.1b,3.7s		
NEIC	XII	10 10 53 50.0	32.94S	69.26W	10	4.8,4.1b		
GUC	XII	10 10 53 51.3–.79	33.08S	69.28W	0–7	3.8L,4.1b		

ISC Event type de.
IDC Error ellipse: s-maj=23.7km s-min=14.3km az=111.0.
ISCJB Event type de. Error ellipse: s-maj=6.3km s-min=4.2km az=147.1.
NEIC Event type de. Slight damage [VI] at Potrerillos. Felt [IV] at Mendoza. After SJA.
GUC Error ellipse: s-maj=3.9km s-min=7.6km az=-1.0.

(92) Leeward Islands

ISC	**XII**	**10 21 33 29.2–.52**	**16.03N–.01**	**60.68W–.02**	**11–3**	**4.5b,3.7s**	**228**	**0-165**
LDG	XII	10 21 33 23.8–.35	16.28N	61.51W	10–0	4.8b,3.6s		**¶13402425**
IDC	XII	10 21 33 26.7–.45	16.11N	60.75W	0	6.2L,4.5		
ISCJB	XII	10 21 33 29.0–.55	16.07N–.02	60.67W–.02	23–4	4.5b,3.7s		
TRN	XII	10 21 33 28.8	16.04N	60.81W	21	4.3,4.2		
NEIC	XII	10 21 33 29.1–2.3	15.99N	60.57W	11–14	4.8b,4.2		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=18.2km s-min=11.4km az=102.0.
IDC Error ellipse: s-maj=12.1km s-min=10.2km az=38.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=161.8.
TRN Event type fe. Felt III in Guadeloupea nd II in Martinique.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=214.0.

(238) Ryukyu Islands

ISC	**XII**	**11 05 35 18.0–.21**	**27.45N–.02**	**128.04E–.02**	**66–2**	**4.8b**	**608**	**0-130**

NIED XII 11 05 35 00 27.40N 128.10E 71 4.9W ¶13402457
MOS XII 11 05 35 12.1–1.0 27.41N 128.07E 33 5.1b
BJI XII 11 05 35 13.9 27.14N 128.33E 66 4.8b,4.6b
IDC XII 11 05 35 15.5–.50 27.45N 128.12E 51–4 4.5,4.5
ISCJB XII 11 05 35 16.8–.23 27.46N–.02 128.01E–.02 66–2 4.8b,4.5
NEIC XII 11 05 35 17.4–.18 27.42N 128.08E 64 5.0b,4.8W
JMA XII 11 05 35 17.8–.10 27.43N 128.16E 65–1 4.8,4.8W
SZGRF XII 11 05 35 20.7 28.08N 126.83E 33 5.4b,4.4s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s78.00000°,δ85.00000°,λ114.00000°. NP2:ϕ_s179.00000°,δ25.00000°,λ11.00000°. $M_0$2.24000×10^{16}
MOS Error ellipse: s-maj=8.3km s-min=5.0km az=104.7.
IDC Error ellipse: s-maj=15.1km s-min=6.9km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.4km az=139.7.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.1km az=141.0. Felt [II] at Chatan, Okinawa. Also felt at Haebaru and Okinawa. Recorded [3 JMA] on Okinawa and [2 JMA] on Okino-erabu-shima, Tokuno-shima and Yoron-jima. Moment Tensor Solution. $M_0$2.20000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
SZGRF Northwest of Ryukyu Islands, Japan.

(276) Sunda Strait

ISC XII 11 14 56 06.5–1.1 5.92S–.05 104.98E–.05 3–6 4.0b,3.6s 46 1-144
IDC XII 11 14 56 04.3–1.4 6.25S 104.76E 0 4.2,4.0 ¶12076940
ISCJB XII 11 14 56 05.7–1.7 5.92S–.05 104.98E–.06 4–11 4.0b,3.6s
NEIC XII 11 14 56 05.8–1.1 6.22S 104.83E 10 4.3b,3.6s
DJA XII 11 14 56 10 5.78S 105.15E 10 4.7,3.6s
ISC Event type fe.
IDC Error ellipse: s-maj=81.6km s-min=16.0km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=5.4km az=141.4.
NEIC Event type fe. Error ellipse: s-maj=63.2km s-min=10.8km az=48.0. Felt [II] at Tanjungkarang-Telukbetung, Sumatra.

(274) Southern Sumatera

ISC XII 11 17 06 09.6–.14 3.62S–.02 100.71E–.02 30 5.6b,5.4s 693 2-177
SZGRF XII 11 17 05 52.5 6.82S 101.97E 30 5.7b,5.2s ¶12076955
BJI XII 11 17 06 03.6 4.08S 100.76E 30 5.8s,5.8
NEIC XII 11 17 06 06.9–2.2 3.65S 100.75E 14–13 5.7b,5.5W
ISCJB XII 11 17 06 07.5–.14 3.60S–.02 100.74E–.02 28 5.6b,5.4s
IDC XII 11 17 06 08.6–.50 3.66S 100.74E 26–2 5.2,5.2b
MOS XII 11 17 06 08.7–1.1 3.50S 100.82E 33 5.9b,5.2s
DJA XII 11 17 06 09 3.72S 100.55E 29 5.4W,5.2s
GCMT XII 11 17 06 11.0–.10 3.94S 100.42E 16 5.7W,5.2s
ISC Event type se.
SZGRF Southwest of Sumatera, Indonesia.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.6km az=223.0. Felt [II] at Bengkulu, Sumatra. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$0.16 $M_{r\theta}$1.45 $M_{\theta\phi}$0.83 $M_{\phi r}$-1.03 Best double couple: NP1:ϕ_s276.00000°,δ23.00000° ,λ64.00000°. NP2:ϕ_s124.00000°,δ70.00000°,λ100.00000°. Principal axes: T 2.1600,Plg63.0000°,Azm50.0000°; N 0.4400,Plg9.0000°,Azm300.0000° ; P -2.5900,Plg24.0000°,Azm206.0000° $M_0$2.40000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.1km az=29.8.
IDC Error ellipse: s-maj=13.3km s-min=8.6km az=48.0.
MOS Error ellipse: s-maj=8.5km s-min=4.3km az=114.8.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 91, comp=156, per= 50. Moment Tensor Solution. s84,c150; s24,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}1.30±.03 $M_{\theta\theta}$-0.80±.02; $M_{\phi\phi}$-0.50±.03; $M_{r\theta}$3.16±.08; $M_{\theta\phi}$0.90±.02; $M_{\phi r}$-2.13±.09; Best double couple: NP1:ϕ_s319.00000°,δ11.00000°,λ104.00000°. NP2:ϕ_s124.00000°,δ80.00000°,λ87.00000°. Principal axes: T 3.9500,Plg55.0000°,Azm31.0000°; N 0.2500,Plg3.0000°,Azm125.0000° ; P -4.2000,Plg35.0000°,Azm217.0000° $M_0$4.10000×10^{17}

(276) Sunda Strait

ISC XII 11 20 57 21.9–.94 6.16S–.04 105.25E–.04 8–5 5.0b,4.6s 253 1-157
IDC XII 11 20 57 19.6–.45 6.04S 105.43E 0 4.8,4.7b ¶12076997
BJI XII 11 20 57 22.1 5.90S 105.20E 14 5.2s,5.1b
ISCJB XII 11 20 57 23.1–.84 6.14S–.04 105.28E–.04 27–6 5.0b,4.6s
MOS XII 11 20 57 23.9–1.8 5.98S 105.47E 33 5.3b,4.6s
DJA XII 11 20 57 24 6.18S 105.33E 10 4.9b,4.6s
NEIC XII 11 20 57 25.9–1.5 6.02S 105.32E 41–13 5.1b,4.6s
ISC Event type fe.
IDC Error ellipse: s-maj=21.5km s-min=10.2km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=5.3km az=41.2.
MOS Error ellipse: s-maj=10.3km s-min=6.6km az=115.2.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=7.4km az=59.0. Felt at Jakarta, Java.

(265) Minahassa Peninsula, Sulawesi

ISC XII 11 21 40 53.0–.10 0.10N–.02 123.57E–.02 141 6.0b 815 1-169
BJI XII 11 21 40 44.5 0.56S 124.04E 132 6.1b,6.1b ¶13813802
NEIC XII 11 21 40 51.9–.09 0.06N 123.43E 129 6.1b,5.9W
ISCJB XII 11 21 40 51.2–.10 0.12N–.02 123.60E–.02 139 6.0b,5.9W
BGS XII 11 21 40 51.4–2.5 0.38S 123.41E 133–0 6.1b,5.9W
MOS XII 11 21 40 52.2–.94 0.08N 123.44E 149 6.2b,5.0s
IDC XII 11 21 40 52.7–.59 0.13N 123.43E 136–4 5.7,5.7b
DJA XII 11 21 40 54.2–.20 0N–2.0 124E–1.0 133–2 6.6,6.3b
GCMT XII 11 21 40 54.0–.10 0.00N 123.64E 135–0 5.9W,6.3b
SZGRF XII 11 21 41 12.6 4.66N 117.61E 33 5.8b,5.1s
ISC Event type se.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.1km az=64.0. Felt [IV] at Luwuk and [III] at Gorontalo. Also felt at Kotamobagu. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}1.87 $M_{\theta\theta}$-2.69 $M_{\phi\phi}$0.82 $M_{r\theta}$7.57 $M_{\theta\phi}$1.59 $M_{\phi r}$1.69 Best double couple: NP1:ϕ_s79.00000°,δ83.00000°,λ75.00000°. NP2:ϕ_s325.00000° ,δ17.00000°,λ155.00000°. Principal axes: T 8.2200,Plg49.0000°,Azm332.0000° ; N 0.1100,Plg14.0000°,Azm80.0000°; P -8.3200,Plg36.0000°,Azm182.0000° $M_0$8.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.2km az=168.3.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.9km s-min=4.2km az=115.7.
IDC Error ellipse: s-maj=11.6km s-min=7.0km az=71.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=118, comp=279, per= 50. Moment Tensor Solution. s112,c259; s76,c91; Moment tensor: Scale 10^{17}Nm; M_{rr}3.33±.07 $M_{\theta\theta}$-3.11±.08; $M_{\phi\phi}$-0.22±.08; $M_{r\theta}$8.23±.05; $M_{\theta\phi}$2.12±.07; $M_{\phi r}$1.05±.06; Best double couple: NP1:ϕ_s323.00000°,δ18.00000°,λ144.00000°. NP2:ϕ_s87.00000°,δ80.00000°,λ75.00000°. Principal axes: T 9.3900,Plg53.0000°,Azm339.0000°; N -0.5100,Plg15.0000°,Azm90.0000° ; P -8.8900,Plg33.0000°,Azm189.0000° $M_0$9.10000×10^{17}
SZGRF Borneo.

(160) Off east coast of North Island

ISC XII 12 06 45 18.1–1.4 39.12S–.04 178.76E–.09 29–8 4.2b 94 1-154
ISCJB XII 12 06 45 16.8–1.0 39.16S–.04 178.84E–.10 38–9 4.2b ¶11656858
IDC XII 12 06 45 18.0–1.1 38.99S 178.27E 0 4.4,4.2b
WEL XII 12 06 45 21.0–.28 38.90S 178.53E 30–1 4.2L,4.2b
NEIC XII 12 06 45 21.0 38.90S 178.53E 30 4.2L,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=6.1km az=1.0.
IDC Error ellipse: s-maj=37.6km s-min=21.3km az=39.0.
WEL Event type fe. Error ellipse: s-maj=2.5km s-min=1.1km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Gisborne and Mangapapa. After WEL.

(548) Poland

ISC XII 12 22 45 55.7–.21 50.33N–.02 18.76E–.02 0 3.3b 440 0-92
ISCJB XII 12 22 45 53.8–.22 50.36N–.02 18.68E–.02 0 3.3b ¶13402587
MOS XII 12 22 45 54.4–1.4 50.40N 18.73E 10 3.7b
LDG XII 12 22 45 55.1–.14 50.37N 18.92E 2–0 3.6L
CSEM XII 12 22 45 55.7–.12 50.34N 18.76E 1 4.0L
IPEC XII 12 22 45 55.2–.46 50.37N 18.89E 4–1 3.2L
PRU XII 12 22 45 55.9 50.36N 18.81E 0 3.2L
WAR XII 12 22 45 55.7 50.35N 18.88E 3.2L
BGR XII 12 22 45 56.7–.34 50.36N 18.80E 1 3.7L
IDC XII 12 22 45 57.0–.58 50.31N 18.71E 0 3.5,3.5
NEIC XII 12 22 45 56.7 50.36N 18.80E 1 3.6L,3.5
VIE XII 12 22 46 00.4–.52 49.78N 18.81E 0–0 3.3L,2.6b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.5km s-min=1.6km az=12.4.
MOS Error ellipse: s-maj=5.5km s-min=4.4km az=87.6.
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=1.6km az=13.0.
CSEM Event type ki. Error ellipse: s-maj=3.3km s-min=2.1km az=10.0.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=2.5km az=57.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=7.0.
IDC Error ellipse: s-maj=12.6km s-min=5.6km az=150.0.
NEIC Event type fe. Felt at Bytom. After SZGRF.
VIE Event type sr. Error ellipse: s-maj=4.4km s-min=2.9km az=12.0. 41 km E of Ostrava . Suspected Mining induced.

(545) Northern Italy

ISC XII 13 06 02 24.7–.20 46.515N–.01 10.09E–.01 1–1 548 0-6
ZUR XII 13 06 02 23.9 46.50N 10.06E 1–0 3.3L ¶13944713
NEIC XII 13 06 02 23.9 46.50N 10.06E 1 3.3L,2.9L
ISCJB XII 13 06 02 24.0–.13 46.529N–.01 10.10E–.01 10 3.3L,2.9L
ROM XII 13 06 02 23.5–.17 46.52N 10.04E 5–2 3.0,2.9L
VIE XII 13 06 02 23.6–.12 46.49N 10.09E 8–1 3.4L,2.6b
PRU XII 13 06 02 24.2 46.49N 10.12E 0 3.4L,2.6b
CSEM XII 13 06 02 24.5–.08 46.51N 10.12E 2 3.5L,2.6b
GEN XII 13 06 02 24.7 46.53N 10.05E 5 3.1L,2.6b
LDG XII 13 06 02 25.6–.10 46.62N 10.28E 2–0 3.4L,2.6b
BGR XII 13 06 02 26.1–.52 46.53N 10.10E 10 3.3L,2.6b
STR XII 13 06 02 27.9–.28 46.59N 9.96E 5–0 3.4L,2.6b
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Livigno. After ZUR.
ISCJB Event type fe. Error ellipse: s-maj=1.4km s-min=1.2km az=170.4.
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=2.0.
VIE Error ellipse: s-maj=0.9km s-min=0.6km az=3.0. 20 km ENE of St. Moritz .
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=175.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=2.1km az=112.0.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=18.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(229) Off east coast of Honshu

ISC XII 13 07 20 46.9–1.0 38.50N–.03 143.24E–.03 7–6 4.5b,4.3s 222 1-88
NIED XII 13 07 20 00 38.40N 143.50E 26 4.7W,4.3s ¶13402612
ISCJB XII 13 07 20 44.0–.93 38.47N–.03 143.36E–.03 2–5 4.5b,4.3s
JMA XII 13 07 20 43.1–.10 38.45N 143.49E 9–3 4.8,4.3s
IDC XII 13 07 20 45.7–.65 38.44N 143.04E 0 4.3,4.3
BJI XII 13 07 20 47.9 38.57N 143.04E 19 5.0b,4.8b
MOS XII 13 07 20 49.4–.99 38.48N 143.20E 37 4.9b,4.2s
NEIC XII 13 07 20 51.3–.75 38.47N 143.17E 37–6 4.8b,4.7W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ58.00000°,λ87.00000°. NP2:ϕ_s203.00000°,δ33.00000°,λ94.00000°. $M_0$1.20000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.3km az=154.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=19.5km s-min=15.3km az=100.0.
MOS Error ellipse: s-maj=9.6km s-min=6.2km az=117.6.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.6km az=111.0. Recorded [1 JMA] in Iwate and Miyagi. Moment Tensor Solution. $M_0$1.20000×10^{16}

(364) Greece

ISC XII 13 08 27 20.5–.19 38.711N–.01 22.578E–.01 15–1 5.0b,4.8s 1882 0-150
ROM XII 13 08 27 09.3–.09 38.48N 23.59E 10–0 4.7L,3.3 ¶13402615
PRU XII 13 08 27 10.8 38.11N 22.25E 0 5.1,3.3
SZGRF XII 13 08 27 13.8 38.05N 22.66E 10 4.8b,3.3
BJI XII 13 08 27 17.6 38.76N 22.10E 34 5.1s,5.1b
ISCJB XII 13 08 27 20.0–.17 38.753N–.01 22.556E–.01 25–1 5.0b,4.8s
NEIC XII 13 08 27 19.2 38.72N 22.57E 24 5.2L,5.1b
PDG XII 13 08 27 19.4–.57 38.74N 22.58E 12–1 5.1,4.9L
ATH XII 13 08 27 19.2 38.72N 22.57E 24–0 5.2L,4.9L
CSEM XII 13 08 27 19.9–.06 38.70N 22.58E 12 5.2W,5.0b
THE XII 13 08 27 19.9 38.71N 22.58E 8–1 5.2L,5.0b
TEH XII 13 08 27 20.0 38.76N 22.58E 10 5.2L,5.0b
MOS XII 13 08 27 20.6–1.1 38.79N 22.55E 30 5.1b,4.8s
HLW XII 13 08 27 20.9 38.71N 22.46E 11–14 4.7L,4.6
BEO XII 13 08 27 21.7–.78 38.96N 22.82E 0–0 4.7L,4.6
GCMT XII 13 08 27 22.2–.20 38.52N 22.54E 19–0 5.2W,4.6
IDC XII 13 08 27 22.2–1.4 38.78N 22.59E 35–10 4.6,4.6
BGS XII 13 08 27 24.6–1.8 38.99N 22.31E 33–0 5.1b,4.6
TIR XII 13 08 27 32.0 38.62N 22.51E 1 4.9L,4.6
ISC Event type fe.
ROM Event type ke. Error ellipse: s-maj=5.8km s-min=0.0km az=13.0.
SZGRF Greece.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=19.9.
NEIC Event type fe. Felt [II] in the Athens-Piraeus area and at Volos. Also felt at Aidhipsos, Amfiklia, Itea, Lamia, Larisa, Patrai, Portaria, Rafina, Rion and Sofhades. After ATH. Moment Tensor Solution. $M_0$3.30000×10^{16}
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=23.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=287.0.
MOS Error ellipse: s-maj=4.3km s-min=2.5km az=103.4.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s56,c70; s78,c130; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.61±.21 $M_{\theta\theta}$5.48±.15; $M_{\phi\phi}$-0.87±.15; $M_{r\theta}$-4.88±.39; $M_{\theta\phi}$0.20±.11; $M_{\phi r}$0.50±.39; Best double couple: NP1:ϕ_s261.00000°,δ23.00000°,λ-103.00000°. NP2:ϕ_s94.00000°,δ67.00000°,λ-85.00000°. Principal axes: T 7.4500,Plg22.0000° ,Azm180.0000°; N -0.8200,Plg5.0000°,Azm272.0000°; P -6.6300,Plg67.0000°,Azm14.0000° $M_0$7.00000×10^{16}
IDC Error ellipse: s-maj=10.9km s-min=10.5km az=8.0.
BGS Error ellipse: s-maj=173.1km s-min=87.7km az=-1.0.

(233) Near south coast of western Honshu

ISC XII 13 10 26 41.9–.42 33.76N–.04 135.31E–.03 44–5 3.5b 46 0-57
NIED XII 13 10 26 00 33.80N 135.40E 50 3.8W ¶11751682
ISCJB XII 13 10 26 40.9–.44 33.75N–.04 135.32E–.03 52–4 3.5b
IDC XII 13 10 26 40.8–5.4 33.75N 135.43E 33–46 3.5,3.4b
JMA XII 13 10 26 41.9 33.77N 135.35E 46–1 3.7,3.4b
NEIC XII 13 10 26 42.0 33.77N 135.35E 46 3.7,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ82.00000°,λ-52.00000°. NP2:ϕ_s79.00000°,δ39.00000°,λ-167.00000°. $M_0$6.66000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.2km az=173.3.
IDC Error ellipse: s-maj=33.6km s-min=22.7km az=73.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s343.00000°,δ76.00000°,λ-86.00000°. NP2:ϕ_s148.00000°,δ14.00000°,λ-104.00000°. Principal axes: T Plg31.0000°,Azm70.0000°; N Plg4.0000°,Azm162.0000°; P Plg59.0000° ,Azm258.0000°
NEIC Event type se. After JMA.

(235) Kyushu

ISC XII 13 12 32 44.6–.66 31.35N–.02 129.69E–.04 10–4 4.3b,3.8s 186 0-89
NIED XII 13 12 32 00 31.40N 129.50E 5 4.4W,3.8s ¶12077300
IDC XII 13 12 32 41.7–.55 31.32N 129.57E 0 4.2,4.2
BJI XII 13 12 32 42.1 31.21N 129.80E 10 4.7b,4.4s
JMA XII 13 12 32 42.0–.10 31.37N 129.45E 11–1 4.4,4.4s
ISCJB XII 13 12 32 43.8–.76 31.37N–.03 129.67E–.04 14–5 4.3b,3.8s
NEIC XII 13 12 32 44.0–.47 31.38N 129.66E 10 4.7b,4.3W
MOS XII 13 12 32 45.9–2.1 31.31N 129.73E 33 4.7b,4.3W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s277.00000°,δ70.00000°,λ29.00000°. NP2:ϕ_s176.00000°,δ63.00000°,λ157.00000°. $M_0$4.21000×10^{15}
IDC Error ellipse: s-maj=19.0km s-min=12.9km az=77.0.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.4km az=164.7.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=7.4km az=134.0. Recorded [2 JMA] in Kagoshima and [1 JMA] in Kumamoto. Moment Tensor Solution. $M_0$4.20000×10^{15}
MOS Error ellipse: s-maj=9.0km s-min=6.4km az=103.9.

(39) Central California

ISC XII 13 17 16 46.4–.26 35.99N–.02 117.26W–.03 10 3.4b 76 1-97
BJI XII 13 17 16 44.0 36.00N 117.30W 5 5.1b,4.9s ¶12077315
ISCJB XII 13 17 16 45.2–.28 36.04N–.02 117.23W–.03 10 3.2b,4.9s
IDC XII 13 17 16 46.2–1.8 35.92N 117.20W 0 3.6,3.5b
NEIC XII 13 17 16 46.5 35.97N 117.32W 0 4.0L,3.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.9km az=157.2.

IDC Error ellipse: s-maj=25.0km s-min=9.6km az=48.0.
NEIC Event type fe. Felt [II] at Trona. Felt at Inyokern, Ridgecrest and in the China Lake area. Also felt at Las Vegas, Nevada. After PAS.

(14) Kenai Peninsula

ISC	**XII**	**13 19 55 43.6–.19**	**60.90N–.02**	**150.90W–.04**	**59–2**	**4.5b,3.6s**	**201**	**0-151**
BJI	XII	13 19 55 40.1	60.90N	150.90W	53	5.0b,4.8s		**¶13402663**
ISCJB	XII	13 19 55 42.5–.19	60.90N–.02	150.88W–.04	67–2	4.4b,4.8s		
IDC	XII	13 19 55 44.4–.49	61.04N	151.01W	69–3	4.1,4.0		
NEIC	XII	13 19 55 44.1	60.89N	150.86W	46	4.6b,4.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=146.5.
IDC Error ellipse: s-maj=13.5km s-min=8.5km az=22.0.
NEIC Event type fe. Felt [II] at Anchorage, Eagle River, Kenai, Seward and Soldotna. Also felt at Chugiak, Cooper Landing, Homer, Indian, Palmer, Sterling and Whittier. After AEIC.

(460) Wyoming

ISC	**XII**	**13 22 38 58.7–.44**	**43.74N–.04**	**105.15W–.05**	**0**		**34**	**1-20**
IDC	XII	13 22 38 54.8–2.6	43.20N	105.13W	0	3.6,3.5L		**¶12077348**
ISCJB	XII	13 22 38 57.3–.46	43.76N–.04	105.17W–.04	0	3.6,3.5L		
NEIC	XII	13 22 38 59.0–.59	43.68N	105.22W	0	2.8L,3.5L		

ISC Event type fm.
IDC Error ellipse: s-maj=52.6km s-min=8.6km az=155.0.
ISCJB Event type fm. Error ellipse: s-maj=6.0km s-min=4.4km az=159.5.
NEIC Event type fm. Error ellipse: s-maj=8.5km s-min=7.4km az=162.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(45) California-Baja California border region

ECX	**XII**	**14 04 43 55.7–.54**	**32.56N**	**115.53W**	**5–0**	**3.6L,3.3**		
NEIC	XII	14 04 43 55.7	32.56N	115.53W	5	3.3L,3.3L		**¶13402690**

ECX Error ellipse: s-maj=1.5km s-min=2.0km az=-1.0.
NEIC Event type fe. Felt at Mexicali. After ECX.

(45) California-Baja California border region

ISC	**XII**	**14 08 41 26.3–.41**	**32.54N–.03**	**115.51W–.02**	**13–3**		**62**	**0-101**
BJI	XII	14 08 41 23.7	32.43N	116.00W	14	4.8b,4.8b		**¶12077425**
ISCJB	XII	14 08 41 26.0–.39	32.56N–.03	115.47W–.03	24–4	4.8b,4.8b		
IDC	XII	14 08 41 25.7–3.4	32.64N	115.43W	0	3.7b,3.5		
NEIC	XII	14 08 41 26.0	32.51N	115.51W	19	4.1L,3.9L		
ECX	XII	14 08 41 27.7–.64	32.56N	115.53W	10–0	4.1,3.9L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.4km az=157.9.
IDC Error ellipse: s-maj=51.2km s-min=13.4km az=41.0.
NEIC Event type fe. Felt [III] at Mexicali. Felt [II] at Calexico and El Centro, California. Also felt at Chula Vista, Imperial, Palm Springs, San Diego and Santee. Felt at Yuma, Arizona. After PAS.
ECX Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**14 10 25 41.8–.69**	**36.41N–.03**	**141.00E–.03**	**34–4**	**4.8b,4.0s**	**428**	**0-147**
NIED	XII	14 10 25 00	36.40N	141.10E	29	4.6W,4.0s		**¶13402712**
BJI	XII	14 10 25 36.1	36.38N	141.42E	27	5.0b,4.8b		
ISCJB	XII	14 10 25 40.5–.51	36.43N–.03	141.05E–.03	37–4	4.8b,4.0s		
IDC	XII	14 10 25 41.9–.62	36.34N	140.98E	39–4	4.6L,4.5		
NEIC	XII	14 10 25 41.0	36.38N	141.05E	45	4.9b,4.6W		
JMA	XII	14 10 25 41.0–.10	36.38N	141.05E	45–1	4.4,4.6W		
MOS	XII	14 10 25 41.7–.72	36.76N	140.92E	33	5.0b,4.6W		
SZGRF	XII	14 10 25 43.9	37.46N	140.43E	33	4.8b,4.6W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ71.00000°,λ109.00000°. NP2:ϕ_s184.00000°,δ27.00000°,λ46.00000°. $M_0$8.69000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.7km az=155.1.
IDC Error ellipse: s-maj=12.8km s-min=12.3km az=165.0.
NEIC Event type fe. Recorded [3 JMA] in Ibaraki and Tochigi; [2 JMA] in Chiba and Fukushima; [1 JMA] in Gumma, Miyagi and Saitama. After JMA. Moment Tensor Solution. $M_0$8.70000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s42.00000°,δ67.00000°,λ93.00000°. NP2:ϕ_s215.00000°,δ23.00000°,λ83.00000°. Principal axes: T Plg68.0000°,Azm318.0000°; N Plg3.0000°,Azm221.0000°; P Plg22.0000°,Azm130.0000°
MOS Error ellipse: s-maj=7.5km s-min=4.7km az=105.4.
SZGRF Eastern Honshu, Japan.

(235) Kyushu

JMA	**XII**	**14 11 28 48.8**	**31.95N**	**130.13E**	**7–1**	**3.5**		
NIED	XII	14 11 28 00	32.00N	130.10E	5	3.5W		**¶11751691**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s96.00000°,δ88.00000°,λ22.00000°. NP2:ϕ_s5.00000°,δ68.00000°,λ178.00000°. $M_0$2.01000×10^{14}

(246) Southwestern Ryukyu Islands

ISC	**XII**	**14 13 14 11.6–.20**	**24.33N–.02**	**123.04E–.01**	**50–3**	**3.9b,3.7s**	**203**	**0-98**
NIED	XII	14 13 14 00	24.40N	123.00E	77	4.2W,3.7s		**¶12077452**
BJI	XII	14 13 14 09.8	24.10N	122.76E	33	4.4b,4.0s		
ISCJB	XII	14 13 14 10.6–.20	24.32N–.02	123.04E–.01	56–2	3.9b,3.7s		
TAP	XII	14 13 14 11.1	24.32N	122.97E	40–1	5.0L,3.7s		
NEIC	XII	14 13 14 11.4–.71	24.32N	123.01E	53–7	4.0b,3.7s		
JMA	XII	14 13 14 11.2–.10	24.36N	123.03E	47–2	4.3,3.7s		
IDC	XII	14 13 14 13.7–2.8	24.41N	123.03E	72–25	3.8,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ83.00000°,λ110.00000°. NP2:ϕ_s81.00000°,δ21.00000°,λ20.00000°. $M_0$2.50000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.0km az=165.4.
TAP D.
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=7.4km az=137.0. Recorded [1 JMA] on Yonaguni-jima.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=16.9km s-min=13.2km az=66.0.

(230) Near south coast of eastern Honshu

JMA	**XII**	**14 14 40 50.9**	**35.55N**	**139.14E**	**26–1**	**3.1**		
								¶15516297

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s38.00000°,δ64.00000°,λ99.00000°. NP2:ϕ_s197.00000°,δ28.00000°,λ72.00000°. Principal axes: T Plg70.0000°,Azm328.0000°; N Plg8.0000°,Azm214.0000°; P Plg18.0000°,Azm121.0000°

(227) Eastern Honshu

ISC	**XII**	**14 14 50 41.1–.44**	**38.91N–.03**	**140.63E–.03**	**8–5**	**3.6b**	**24**	**0-59**
IDC	XII	14 14 50 38.0–2.4	39.03N	141.05E	0	3.6b,3.6		**¶12077461**
ISCJB	XII	14 14 50 40.7–.52	38.91N–.03	140.63E–.04	12–4	3.6b,3.6		
JMA	XII	14 14 50 41.1	38.92N	140.62E	4–1	2.9,3.6		

ISC Event type fe.
IDC Error ellipse: s-maj=54.9km s-min=27.1km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.2km az=142.0.
JMA Event type fe.

(221) Kuril Islands

ISC	**XII**	**14 16 09 33.9–.97**	**43.59N–.07**	**146.64E–.09**	**50–7**	**3.7b**	**48**	**1-78**
NIED	XII	14 16 09 00	43.50N	146.60E	56	3.7W		**¶11751695**
ISCJB	XII	14 16 09 33.1–.94	43.60N–.07	146.63E–.09	59–6	3.7b		
MOS	XII	14 16 09 34.3–1.5	43.76N	146.55E	64	3.9b		
JMA	XII	14 16 09 34.2–.20	43.53N	146.58E	49–2	4.0		
NEIC	XII	14 16 09 39.3–2.3	44.74N	146.26E	45–29	4.0		
IDC	XII	14 16 09 39.7–3.8	44.67N	146.27E	52–54	3.6,3.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ60.00000°,λ78.00000°. NP2:ϕ_s240.00000°,δ32.00000°,λ109.00000°. $M_0$4.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=15.4km s-min=6.4km az=138.3.
MOS Error ellipse: s-maj=17.7km s-min=14.2km az=103.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=33.9km s-min=18.5km az=173.0.
IDC Error ellipse: s-maj=79.1km s-min=25.4km az=169.0.

(91) Virgin Islands

ISC	**XII**	**14 17 23 08.4–.48**	**18.66N–.06**	**64.22W–.02**	**55–6**	**3.8b**	**132**	**0-73**
ISCJB	XII	14 17 23 07.4–.47	18.65N–.06	64.22W–.02	65–5	3.8b		**¶12077477**
TRN	XII	14 17 23 07.6	18.57N	64.25W	44	3.6,3.5		
IDC	XII	14 17 23 08.1–2.2	18.64N	64.21W	57–24	3.8,3.6		
RSPR	XII	14 17 23 10.2	18.61N	64.24W	40–2	3.6,3.6		
NEIC	XII	14 17 23 10.2	18.61N	64.24W	40	4.0b,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=2.9km az=12.1.
IDC Error ellipse: s-maj=25.2km s-min=12.1km az=15.0.
RSPR Event type ke.
NEIC Event type fe. Felt on Saint John. After RSPR.

(73) El Salvador

ISC	**XII**	**14 18 55 23.3–.76**	**13.18N–.10**	**88.96W–.05**	**60–7**	**3.4b**	**47**	**0-148**
ISCJB	XII	14 18 55 22.4–.77	13.2N–.10	88.96W–.05	68–6	3.4b		**¶12077485**
CASC	XII	14 18 55 23.3–2.6	13.24N	88.96W	60–14	4.2L,3.8		
IDC	XII	14 18 55 24.4–2.3	13.23N	88.86W	94–18	3.5,3.3		
NEIC	XII	14 18 55 24.4–1.3	13.22N	88.86W	91–11	4.1,3.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.7km s-min=5.0km az=19.5.
CASC Error ellipse: s-maj=21.6km s-min=8.1km az=-1.0.
IDC Error ellipse: s-maj=43.2km s-min=18.8km az=41.0.
NEIC Event type fe. Error ellipse: s-maj=28.4km s-min=12.8km az=49.0. Felt [II] at Zacatecoluca.

(229) Off east coast of Honshu

ISC	**XII**	**14 20 29 32.1–.11**	**39.16N–.02**	**144.51E–.02**	**33**	**5.3b,4.5s**	**863**	**2-153**
NIED	XII	14 20 29 00	39.20N	144.30E	44	5.0W,4.5s		**¶12077492**
MOS	XII	14 20 29 29.8–.71	39.24N	144.50E	27	5.5b,4.3s		
BJI	XII	14 20 29 29.3	39.23N	144.51E	29	5.3b,5.2b		
ISCJB	XII	14 20 29 30.1–.11	39.15N–.02	144.51E–.02	31	5.3b,4.5s		
NEIC	XII	14 20 29 31.6–.20	39.08N	144.50E	33–1	5.4b,5.0W		
IDC	XII	14 20 29 32.8–.37	39.09N	144.57E	47–2	4.8,4.8		
GCMT	XII	14 20 29 33.6–.20	39.18N	144.58E	48–0	5.2W,4.8		
JMA	XII	14 20 29 34.2–.20	39.17N	144.31E	51	5.2,4.8		
SZGRF	XII	14 20 29 40.8	40.58N	144.15E	34	5.3b,4.7s		
DJA	XII	14 20 29 51	39.28N	144.66E	234	5.0b,4.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ74.00000°,λ129.00000°. NP2:ϕ_s104.00000°,δ41.00000°,λ24.00000°. $M_0$4.07000×10^{16}
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=153.5.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=151.0. Recorded [3 JMA] in Iwate, [2 JMA] in Miyagi and [1 JMA] in Aomori, Fukushima and Tochigi. Also recorded [1 JMA] on Hokkaido. Moment Tensor Solution. $M_0$4.10000×10^{16}
IDC Error ellipse: s-maj=10.6km s-min=8.8km az=131.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s66,c99; s79,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}6.25±.20 $M_{\theta\theta}$-2.67±.14; $M_{\phi\phi}$-3.58±.16; $M_{r\theta}$-0.96±.12; $M_{\theta\phi}$3.63±.10; $M_{\phi r}$3.15±.12; Best double couple: NP1:ϕ_s127.00000°,δ34.00000°,λ71.00000°. NP2:ϕ_s330.00000°,δ58.00000°,λ102.00000°. Principal axes: T 7.1700,Plg73.0000°,Azm272.0000°; N 0.2800,Plg11.0000°,Azm143.0000°; P -7.4500,Plg13.0000°,Azm51.0000° $M_0$7.30000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
SZGRF Off east coast of Honshu, Japan.

(385) Strait of Gibraltar

ISC	**XII**	**14 20 50 34.7–.51**	**36.89N–.03**	**2.94W–.02**	**5–3**		**130**	**0-7**
ISCJB	XII	14 20 50 33.8–.48	36.95N–.03	2.99W–.02	2–3			**¶12077494**
CSEM	XII	14 20 50 34.4–.24	36.88N	2.94W	2	3.1L		
LDG	XII	14 20 50 34.9–.21	36.79N	2.92W	2–0	3.0L		
MDD	XII	14 20 50 35.3–.22	36.84N	2.92W	0	2.6		
INMG	XII	14 20 50 35.2–1.3	36.83N	2.93W	1–3	2.7L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.2km az=170.8.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.2km az=164.0.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=155.0.
MDD Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=13.0. EMS: III BERJA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=146.0.

(197) Near north coast of Irian Jaya

ISC	**XII**	**15 03 42 14.5–1.4**	**2.54S–.03**	**140.18E–.05**	**3–9**	**4.6b,3.8s**	**120**	**1-151**
ISCJB	XII	15 03 42 13.1–1.3	2.49S–.03	140.14E–.05	3–8	4.6b,3.8s		**¶12077530**
DJA	XII	15 03 42 15	2.57S	140.30E	15	4.6b,3.8s		
IDC	XII	15 03 42 16.2–4.7	2.52S	140.19E	16–29	4.4L,4.3		
MOS	XII	15 03 42 17.6–1.0	2.47S	140.10E	33	4.8b,4.3		
BJI	XII	15 03 42 18.8	2.83S	140.30E	67	5.1b,4.9s		
NEIC	XII	15 03 42 21.7–1.7	2.53S	140.01E	54–16	4.7b,4.9s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=5.3km az=7.5.
IDC Error ellipse: s-maj=22.6km s-min=12.3km az=95.0.
MOS Error ellipse: s-maj=16.4km s-min=8.1km az=109.7.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=9.5km az=76.0. Felt in the Jayapura area.

(238) Ryukyu Islands

ISC	**XII**	**15 05 31 40.7–.13**	**27.57N–.02**	**127.41E–.02**	**137**	**4.7b**	**478**	**1-148**
NIED	XII	15 05 31 00	27.60N	127.50E	116	5.0W		**¶12077540**
SZGRF	XII	15 05 31 16.9	26.86N	131.22E	33	5.2b		
BJI	XII	15 05 31 33.5	27.20N	127.78E	124	4.9b,4.8b		
MOS	XII	15 05 31 38.4–1.2	27.69N	127.49E	132	4.7b,4.8b		
ISCJB	XII	15 05 31 39.2–.13	27.53N–.02	127.38E–.02	135	4.7b,4.8b		
IDC	XII	15 05 31 39.2–.34	27.65N	127.57E	130–3	4.4,4.3		
JMA	XII	15 05 31 39.8–.20	27.65N	127.52E	122–3	4.6,4.3		
NEIC	XII	15 05 31 40.4–.19	27.63N	127.35E	136	4.9b,4.9W		
GCMT	XII	15 05 31 41.3–.30	27.52N	127.44E	151–3	5.0W,4.9W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ86.00000°,λ-63.00000°. NP2:ϕ_s122.00000°,δ27.00000°,λ-171.00000°. $M_0$3.24000×10^{16}
SZGRF Southeast of Ryukyu Islands, Japan.
MOS Error ellipse: s-maj=8.7km s-min=5.8km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=163.6.
IDC Error ellipse: s-maj=13.8km s-min=7.1km az=59.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.0km az=153.0. Felt at Chatan and Yomitan, Okinawa. Recorded [1 JMA] on Kume-jima, Okinawa and Tokuno-shima. Moment Tensor Solution. $M_0$3.20000×10^{16}
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s30,c34; s69,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.15±.17 $M_{\theta\theta}$0.21±.19; $M_{\phi\phi}$0.94±.22; $M_{r\theta}$-1.89±.12; $M_{\theta\phi}$-0.82±.18; $M_{\phi r}$-3.90±.15; Best double couple: NP1:ϕ_s135.00000°,δ12.00000°,λ-156.00000°. NP2:ϕ_s21.00000°,δ85.00000°,λ-79.00000°. Principal axes: T 4.0100,Plg39.0000°,Azm101.0000°; N 0.9100,Plg11.0000°,Azm200.0000°; P -4.9200,Plg49.0000°,Azm304.0000° $M_0$4.50000×10^{16}

(72) Honduras

ISC	**XII**	**15 05 44 19.2–.78**	**13.00N–.07**	**89.25W–.04**	**40–20**	**3.1b**	**46**	**0-53**
ISCJB	XII	15 05 44 18.3–.87	12.97N–.09	89.24W–.05	49–14	3.1b		**¶12077541**
CASC	XII	15 05 44 18.8–1.9	13.02N	89.26W	40–29	3.8L,3.6		
IDC	XII	15 05 44 19.4–1.4	14.60N	88.31W	0	3.8,3.6		
NEIC	XII	15 05 44 28.4–1.0	14.32N	88.77W	78–14	3.9,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=16.2km s-min=4.0km az=24.2.
CASC Error ellipse: s-maj=8.9km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=62.2km s-min=18.5km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=23.6km s-min=10.0km az=221.0. Felt [II] at San Salvador, El Salvador.

(227) Eastern Honshu

ISC	**XII**	**15 09 24 21.2–.38**	**38.93N–.03**	**140.91E–.03**	**12–4**	**3.4b**	**40**	**0-70**
IDC	XII	15 09 24 18.7–1.0	38.84N	141.10E	0	3.6,3.5		**¶15516546**
ISCJB	XII	15 09 24 21.0–.38	38.94N–.03	140.93E–.04	23–4	3.4b,3.5		
JMA	XII	15 09 24 21.3	38.94N	140.90E	8–1	3.4,3.5		
NEIC	XII	15 09 24 21.4	38.94N	140.90E	8	3.4,3.5		

ISC Event type fe.
IDC Error ellipse: s-maj=32.6km s-min=19.6km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.0km az=139.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s261.00000°,δ55.00000°,λ74.00000°. NP2:ϕ_s107.00000°,δ38.00000°,λ112.00000°. Principal axes: T Plg74.0000°,Azm126.0000°; N Plg13.0000°,Azm270.0000°; P Plg9.0000°,Azm2.0000°
NEIC Event type se. After JMA.

(662) Sakhalin Island

ISC	**XII**	**15 10 25 39.6–.88**	**48.60N–.02**	**142.46E–.05**	**15–5**	**4.3b,3.8s**	**140**	**1-83**
IDC	XII	15 10 25 36.9–.53	48.56N	142.45E	0	4.3,4.3		**¶13402844**
MOS	XII	15 10 25 36.9–.91	48.61N	142.45E	11	4.5b,4.3		
SKHL	XII	15 10 25 36.2–.40	48.50N	142.40E	10–0	4.6b,4.1s		
BJI	XII	15 10 25 36.9	48.75N	142.51E	16	4.8b,4.7L		
ISCJB	XII	15 10 25 38.6–.87	48.58N–.02	142.50E–.05	22–6	4.3b,3.8s		
NEIC	XII	15 10 25 42.5–.74	48.55N	142.48E	40–8	4.6b,3.8s		

ISC Event type fe.
IDC Error ellipse: s-maj=15.7km s-min=13.4km az=133.0.
MOS Event type fe. Error ellipse: s-maj=10.6km s-min=6.2km az=96.7. Felt (III-IV) at Makarov, Krasnogorsk, (III) at Gorny, Tumanovo, (II-III) at Uglegorsk, Shakhtersk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.1km az=169.9.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.9km az=147.0.

(227) Eastern Honshu

ISC	**XII**	**15 12 14 49.0–.50**	**37.84N–.03**	**139.68E–.04**	**5–3**	**4.0b**	**59**	**0-147**
NIED	XII	15 12 14 00	37.80N	139.70E	5	3.9W		**¶15516602**
ISCJB	XII	15 12 14 48.5–.60	37.86N–.03	139.69E–.04	12–4	4.0b		
NEIC	XII	15 12 14 48.6	37.85N	139.68E	0	4.3b		
JMA	XII	15 12 14 48.5	37.85N	139.68E	0	4.4		
IDC	XII	15 12 14 48.2–.61	37.81N	139.65E	0	4.2,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ69.00000°,λ66.00000°. NP2:ϕ_s36.00000°,δ32.00000°,λ137.00000°. $M_0$9.06000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.2km az=34.7.
NEIC Event type fe. Recorded [2 JMA] in Fukushima, Niigata and Yamagata. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s182.00000°,δ76.00000°,λ91.00000°. NP2:ϕ_s358.00000°,δ14.00000°,λ86.00000°. Principal axes: T Plg59.0000°,Azm93.0000°; N Plg1.0000°,Azm2.0000°; P Plg31.0000°,Azm271.0000°
IDC Error ellipse: s-maj=18.5km s-min=14.1km az=121.0.

(60) Oaxaca

ISC	**XII**	**15 14 27 10.3–.32**	**17.31N–.03**	**96.62W–.03**	**59–3**	**4.2b,4.1s**	**247**	**0-132**
ISCJB	XII	15 14 27 09.4–.30	17.30N–.04	96.65W–.04	66–3	4.1b,4.1s		**¶12077613**
NEIC	XII	15 14 27 10.3	17.07N	97.01W	65	4.4b,4.4		
IDC	XII	15 14 27 10.3–.57	17.29N	96.69W	66–4	4.1,3.9		
MEX	XII	15 14 27 10.4–.88	17.08N	97.00W	65–5	4.4,3.9		
BJI	XII	15 14 27 11.5	17.40N	96.50W	57	5.4s,5.3b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.9km az=40.5.
NEIC Event type fe. Felt [II] at Oaxaca. Also felt at Huixtepec, Mitla and San Agustin de las Juntas. After MEX.
IDC Error ellipse: s-maj=13.3km s-min=6.5km az=22.0.
MEX Error ellipse: s-maj=4.1km s-min=3.5km az=-1.0.

(274) Southern Sumatera

ISC	**XII**	**15 21 18 11.1–.16**	**2.83S–.03**	**101.00E–.02**	**53**	**5.3b,4.6s**	**502**	**1-177**
BJI	XII	15 21 18 01.5	3.68S	100.87E	55	5.3b,5.2b		**¶12077665**
MOS	XII	15 21 18 07.3–.94	2.65S	101.24E	33	5.6b,4.6s		
ISCJB	XII	15 21 18 09.2–.16	2.82S–.03	101.01E–.02	51	5.3b,4.6s		
IDC	XII	15 21 18 10.8–1.2	2.75S	101.15E	50–9	4.8,4.8		
DJA	XII	15 21 18 10.3–.30	3S–2.0	101E–3.0	46–3	5.7,5.7b		
NEIC	XII	15 21 18 10.1–.83	2.83S	101.04E	49–7	5.3b,5.2W		
GCMT	XII	15 21 18 13.2–.20	3.00S	100.88E	50–1	5.3W,5.2W		
SZGRF	XII	15 21 18 30.2	3.28N	101.46E	33	5.3b,4.5s		

ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=115.6.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.5km az=40.7.
IDC Error ellipse: s-maj=13.6km s-min=8.1km az=59.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.3km az=60.0. Felt [III] at Mukomuko and [II] at Bengkulu and Kapahiang. Moment Tensor Solution. s27 Moment tensor: Scale 10^{16} Nm; M_{rr}3.94 $M_{\theta\theta}$2.58 $M_{\phi\phi}$-6.53 $M_{r\theta}$4.39 $M_{\theta\phi}$1.87 $M_{\phi r}$-1.59 Best double couple: NP1: ϕ_s135.00000°,δ68.00000°,λ49.00000°. NP2:ϕ_s22.00000°,δ45.00000°,λ149.00000°. Principal axes: T 7.7000,Plg49.0000°,Azm359.0000°; N -0.2300,Plg37.0000°,Azm152.0000°; P -7.4900,Plg13.0000°,Azm253.0000° $M_0$7.60000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s73,c111; s75,c137; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s328.00000°,δ26.00000°,λ110.00000°. NP2:ϕ_s126.00000°,δ66.00000°,λ80.00000°. Principal axes: T 1.0400,Plg68.0000°,Azm18.0000°; N 0.0500,Plg9.0000°,Azm130.0000°; P -1.0900,Plg20.0000°,Azm223.0000° $M_0$1.10000×10^{17}
SZGRF Malay Peninsula.

(71) Near coast of Guatemala

ISC	**XII**	**16 00 24 18.3–.31**	**13.63N–.04**	**90.04W–.03**	**97–2**	**4.3b**	**126**	**0-147**
ISCJB	XII	16 00 24 17.2–.31	13.61N–.04	90.05W–.03	103–2	4.3b		**¶12077687**
NEIC	XII	16 00 24 17.0	13.61N	90.08W	81	4.8,4.5b		
CASC	XII	16 00 24 18.4–1.3	13.58N	90.04W	82–4	4.5b,4.4L		
IDC	XII	16 00 24 22.4–2.4	13.87N	89.63W	127–19	4.1,3.9		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=2.9km az=38.0.
NEIC Event type fe. Felt [III] at San Salvador. After SNET.
CASC Error ellipse: s-maj=4.5km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=22.8km s-min=15.1km az=50.0.

(543) Germany

ISC	**XII**	**16 00 34 32.7–.14**	**47.446N–.01**	**9.17E–.01**	**16–1**		**618**	**0-8**
GEN	XII	16 00 34 31.4	47.57N	9.22E	3	2.8L		**¶12077688**
CSEM	XII	16 00 34 32.6–.07	47.45N	9.19E	15	3.3L		
LDG	XII	16 00 34 32.6–.06	47.47N	9.25E	2–0	3.1L		
ZUR	XII	16 00 34 32.8	47.44N	9.20E	8–0	2.9L		
NEIC	XII	16 00 34 33.3	47.45N	9.20E	7	3.1L,2.9L		
BGR	XII	16 00 34 33.2–.49	47.44N	9.18E	10	2.8L,2.9L		
LEDBW	XII	16 00 34 33.3–.16	47.45N–.01	9.198E–.01	7–4	2.9L,2.9L		
VIE	XII	16 00 34 33.3–.30	47.43N	9.24E	14–1	3.1L,2.3b		
ISCJB	XII	16 00 34 33.5–.20	47.43N–.01	9.17E–.02	20–2	3.1L,2.3b		
STR	XII	16 00 34 34.2–.29	47.44N	9.11E	5–0	2.9L,2.3b		
PRU	XII	16 00 34 34.1	47.56N	9.43E	5	2.9L,2.3b		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=5.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=77.0.
NEIC Event type se. After ZUR.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=31.0.
LEDBW Error ellipse: s-maj=4.0km s-min=3.0km az=18.0.
VIE Error ellipse: s-maj=1.9km s-min=1.7km az=137.0. 11 km W of St.Gallen .
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=20.7.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(398) Sicily

ISC	**XII**	**16 02 30 15.5–.35**	**37.65N–.02**	**15.13E–.03**	**22–4**	**3.8b**	**295**	**0-49**
IDC	XII	16 02 30 10.6–1.8	37.61N	15.20E	0	3.8b,3.7		**¶13900051**
PDG	XII	16 02 30 12.9–.60	37.43N	15.03E	72–7	4.0L,3.7		
BEO	XII	16 02 30 13.4–.72	37.65N	15.10E	0–0	4.1L,3.7		
NEIC	XII	16 02 30 14.0	37.66N	14.96E	11	4.0L,3.7		
CSEM	XII	16 02 30 14.9–.14	37.65N	15.08E	20	3.0,3.7		
ROM	XII	16 02 30 14.0–.13	37.66N	14.97E	5–1	3.0,2.9L		
THE	XII	16 02 30 17.8	37.56N	15.37E	22–45	3.0,2.9L		

ISC Event type fe.
IDC Error ellipse: s-maj=27.8km s-min=21.9km az=160.0.
PDG Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=90.0.
NEIC Event type fe. Felt [III] at Biancavilla. Also felt at Belpasso and Siracusa. After ROM.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=110.0.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=77.0.
THE Event type ke. Error ellipse: s-maj=54.5km s-min=2.9km az=258.0.

(78) Costa Rica

ISC	**XII**	**16 04 53 36.8–.43**	**9.49N–.04**	**84.18W–.04**	**55–5**	**3.7b,3.4s**	**75**	**0-141**
ISCJB	XII	16 04 53 35.7–.43	9.46N–.04	84.20W–.04	63–4	3.7b,3.4s		**¶12077716**
CASC	XII	16 04 53 35.2–6.0	9.35N	84.29W	30–20	4.1,3.4s		
IDC	XII	16 04 53 36.1–3.5	10.08N	83.93W	26–25	4.1L,3.9		
NEIC	XII	16 04 53 37.0	9.56N	84.22W	45	5.0,4.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.1km az=39.9.
CASC Error ellipse: s-maj=13.6km s-min=16.4km az=-1.0.
IDC Error ellipse: s-maj=49.0km s-min=25.7km az=20.0.
NEIC Event type fe. Felt in the Valle Central. After UCR.

(536) Sweden

ISC	**XII**	**16 05 20 01.4–.10**	**55.551N–.01**	**13.51E–.02**	**10**	**4.6b,3.7s**	**1080**	**1-126**
BJI	XII	16 05 19 57.4	55.50N	13.50E	10	5.0b,4.8s		**¶13402913**
ISCJB	XII	16 05 19 58.6–.11	55.550N–.01	13.48E–.02	10	4.6b,3.7s		
MOS	XII	16 05 19 59.3–1.1	55.48N	13.39E	10	4.8b,3.7s		
IDC	XII	16 05 20 00.9–.49	55.45N	13.54E	0	4.4,4.3b		
LDG	XII	16 05 20 00.6–.14	55.54N	13.79E	10–0	4.8L,4.3b		
NEIC	XII	16 05 20 01.5–.17	55.51N	13.41E	10	4.8b,4.4L		
PRU	XII	16 05 20 01.1	55.49N	13.68E	0	4.8,4.4L		
UPP	XII	16 05 20 02.7	55.60N	13.55E	18	4.4L,4.4L		
CSEM	XII	16 05 20 02.0–.06	55.53N	13.47E	15	4.4L,4.3W		
BNS	XII	16 05 20 02.3–.64	55.55N	13.81E	10	4.5L,4.3W		
BGR	XII	16 05 20 02.6–.40	55.61N	13.62E	16–2	5.2L,4.3W		
NAO	XII	16 05 20 03.0–1.9	55.63N	13.60E		4.7L,4.3W		
BER	XII	16 05 20 03.5–4.0	55.65N	13.60E	10–0	4.7L,4.6L		
HEL	XII	16 05 20 03.1–.20	55.57N	13.53E	20–1	4.9L,4.8b		
GCMT	XII	16 05 20 04.5–.60	55.55N	13.76E	12	4.3W,4.8b		
BEO	XII	16 05 20 06.7–1.0	55.50N	13.34E	0–0	4.9L,4.8b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.4km az=170.7.
MOS Error ellipse: s-maj=5.6km s-min=2.7km az=89.4.
IDC Error ellipse: s-maj=10.1km s-min=5.5km az=84.0.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=146.0.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=126.0. Felt [V] at Ystad; [IV] at Eslov, Kristianstad, Landskrona, Lund, Malmo and Staffanstorp; [III] at Angelholm, Hassleholm, Helsingborg, Hoganas, Karlshamn and Ronneby; [II] at Halmstad, Linkoping, Ljungby, Stockholm, Trelleborg, Varnamo and Vaxjo. Also felt [IV] at Humlebaek; [III] at Akirkeby, Allinge, Birkerod, Copenhagen, Espergaerde, Farum, Havdrup, Helsingor, Ishoj, Lillerod, Nexo, Niva, Olstykke, Ronne, Roskilde and Smorumnedre; [II] at Dragor, Flong, Frederikssund, Frederiksvaerk, Graested, Greve Strand, Hillerod, Horsholm, Malov, Naestved, Solrod, Tastrup, Trorod, Vaerlose and Viby, Denmark. Felt in much of southern Sweden and eastern Denmark. Also felt at Rostock and Stralsund, Germany. Moment Tensor Solution. $M_0$2.30000×10^{15}
UPP Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=76.0.
BNS Event type ke.
BGR Event type fe. Error ellipse: s-maj=6.7km s-min=3.3km az=25.0. Felt in Rostock and Ruegen.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=8.0km s-min=10.0km az=-1.0.
HEL Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
GCMT Event type se. Data Used: II IU G. Surface wave period40 sec. Moment Tensor Solution. s26,c34; Moment tensor: Scale 10^{15}Nm; M_{rr}0.04±.43 $M_{\theta\theta}$-2.98±.30; $M_{\phi\phi}$2.94±.33; $M_{r\theta}$0.42±.86; $M_{\theta\phi}$-1.66±.32; $M_{\phi r}$-0.70±.86; Best double couple: NP1:ϕ_s211.00000°,δ78.00000°,λ6.00000°. NP2:ϕ_s120.00000°,δ84.00000°,λ168.00000°. Principal axes: T 3.5500,Plg13.0000°,Azm75.0000°; N -0.1200,Plg77.0000°,Azm273.0000°; P -3.4300,Plg4.0000°,Azm166.0000° $M_0$3.50000×10^{15}

(543) Germany

ISC	**XII**	**16 11 22 20.0–.23**	**47.25N–.01**	**9.97E–.01**	**14–2**		**323**	**0-5**
ISCJB	XII	16 11 22 19.0–.24	47.23N–.02	9.94E–.02	14–2			**¶12077747**
LDG	XII	16 11 22 19.4–.09	47.26N	10.10E	2–0	2.8L		
CSEM	XII	16 11 22 19.8–.10	47.25N	9.97E	12	2.7L		
STR	XII	16 11 22 19.7–.58	47.26N	9.99E	5–0	2.7L		
LEDBW	XII	16 11 22 20.3–.40	47.23N–.03	10.05E–.02	10–0	2.6L		
ZUR	XII	16 11 22 20.3	47.28N	10.01E	3–1	2.5L		
BGR	XII	16 11 22 21.0–.40	47.27N	9.98E	10	2.5L		
VIE	XII	16 11 22 20.1–.13	47.26N	9.99E	7–1	2.7L,2.0b		
NEIC	XII	16 11 22 20.3	47.20N	10.10E	10	2.8L,2.6L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=8.5.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=179.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LEDBW Error ellipse: s-maj=8.0km s-min=4.0km az=165.0.
BGR Event type fe. Error ellipse: s-maj=4.4km s-min=3.3km az=13.0. Felt.
VIE Event type fe. Error ellipse: s-maj=1.0km s-min=0.7km az=167.0. 10 km E of Damls . felt 3 ems98 at Goetzis / VORARLBERG.
NEIC Event type se. After LEDBW.

(511) South Carolina

ISC	**XII**	**16 12 42 17.5–.41**	**33.12N–.03**	**80.13W–.04**	**6–3**	**3.4b**	**67**	**0-149**
IDC	XII	16 12 42 16.7–1.4	33.15N	80.08W	0	3.9L,3.7		**¶12077756**
ISCJB	XII	16 12 42 17.2–.42	33.08N–.03	80.11W–.04	15–4	3.4b,3.7		
NEIC	XII	16 12 42 17.5	33.07N	80.19W	16	3.6,3.7		

ISC Event type fe.
IDC Error ellipse: s-maj=52.5km s-min=12.6km az=47.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.1km az=144.0.
NEIC Event type fe. Felt [III] at Ladson and Summerville; [II] at Charleston, Columbia, Goose Creek, Johns Island, Lexington, Moncks Corner, North Charleston and Ridgeville. Also felt at Adams Run, Aiken, Anderson, Beaufort, Charleston AFB, Darlington, Florence, Georgetown, Greenwood, Greer, Hollywood, Irmo, Liberty Hill, Mount Pleasant, North Augusta, Plum Branch, Sullivans Island, Wadmalaw Island, Walterboro and West Columbia. Felt at Byron, Duluth, Lawrenceville, Molena, Rincon, Savannah, Union Point and Woodbine, Georgia. Also felt at Charlotte, Gastonia, Ocean Isle Beach, Southport and Youngsville, North Carolina. After CERI.

(224) Hokkaido region

ISC	**XII**	**16 13 39 18.1–.48**	**43.03N–.05**	**143.53E–.06**	**114–3**	**3.5b**	**41**	**0-64**
IDC	XII	16 13 39 12.6–6.4	42.37N	143.69E	101–39	3.4,3.2b		**¶12077759**
ISCJB	XII	16 13 39 17.0–.48	43.03N–.05	143.54E–.06	120–3	3.5b,3.2b		
NEIC	XII	16 13 39 18.4–.81	43.07N	143.55E	119–8	3.5b,3.2b		
JMA	XII	16 13 39 18.5–.10	43.03N	143.48E	110–1	2.9,3.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=59.3km s-min=29.3km az=172.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=6.6km az=148.5.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=16.7km az=82.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(377) Spain

ISC	**XII**	**16 13 48 20.9–.28**	**39.60N–.01**	**2.77W–.02**	**10–2**		**332**	**1-8**
ISCJB	XII	16 13 48 18.4–.29	39.63N–.01	2.86W–.02	1–2			**¶12077762**
CSEM	XII	16 13 48 21.0–.09	39.58N	2.76W	10	3.8L		
NEIC	XII	16 13 48 21.7–.77	39.55N	2.76W	15–10	3.5L		
MDD	XII	16 13 48 22.9–.31	39.57N	2.74W	11–0	3.3		
LDG	XII	16 13 48 22.5–.07	39.57N	2.74W	2–0	3.5L		
INMG	XII	16 13 48 22.5–1.4	39.58N	2.75W	8–2	3.2L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=145.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=140.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.3km az=191.0.
MDD Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=111.0. EMS: SENTIDO LEVEMENTE EN LA ZONA EPICENTRAL. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=120.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=89.0.

(159) North Island

ISC	**XII**	**16 21 57 11.4–.58**	**37.78S–.04**	**176.73E–.04**	**12–4**	**3.7b**	**46**	**0-155**
IDC	XII	16 21 57 07.6–2.8	37.82S	177.27E	0	4.0,3.8		**¶11656970**
ISCJB	XII	16 21 57 11.2–.56	37.77S–.04	176.72E–.04	13–3	3.7b,3.8		
WEL	XII	16 21 57 11.5–.09	37.80S	176.75E	5	4.1L,3.8		
NEIC	XII	16 21 57 11.3	37.80S	176.75E	2	4.1L,4.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=56.0km s-min=16.1km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.9km az=41.0.
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
NEIC Event type fe. Felt in the Bay of Plenty area. After WEL.

(135) Near coast of central Chile

ISC	**XII**	**16 22 05 26.8–.12**	**29.73S–.02**	**71.37W–.05**	**61**	**4.8b**	**417**	**0-176**
NEIC	XII	16 22 05 25.0	29.73S	71.51W	68	4.9b		**¶12077821**
ISCJB	XII	16 22 05 25.1–.11	29.73S–.02	71.49W–.04	59	4.8b,4.1s		
GUC	XII	16 22 05 25.1–.79	29.73S	71.51W	68–5	5.6L,4.1s		
IDC	XII	16 22 05 26.1–.69	29.65S	71.58W	58–5	4.5,4.4		
GCMT	XII	16 22 05 28.3–.20	29.91S	71.85W	63–3	5.1W,4.4		
BJI	XII	16 22 05 29.0	29.70S	71.50W	67	5.0s,5.0b		

ISC Event type fe.
NEIC Event type fe. Felt [V] at La Higuera; [IV] at Andacollo, La Serena and Vicuna; [III] at Ovalle, Punitaqui and Rio Hurtado. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.0km az=166.7.
GUC Error ellipse: s-maj=1.5km s-min=9.3km az=-1.0.
IDC Error ellipse: s-maj=17.6km s-min=9.4km az=55.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s47,c60; s80,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.23 $M_{\theta\theta}$1.99±.19; $M_{\phi\phi}$-1.86±.21; $M_{r\theta}$-1.40±.10; $M_{\theta\phi}$1.79±.18; $M_{\phi r}$-4.60±.14; Best double couple: NP1:ϕ_s290.00000°,δ29.00000°,λ-1.00000°.

NP2:ϕ_s21.00000°,δ90.00000°,λ-119.00000°. Principal axes: T 5.2200,Plg38.0000° ,Azm136.0000°; N 0.4900,Plg29.0000°,Azm21.0000°; P -5.7100,Plg39.0000°,Azm265.0000° M_o5.50000×10^{16}

(228) Near east coast of eastern Honshu

ISC	**XII**	**17 13 10 42.2–.57**	**40.12N–.03**	**142.44E–.06**	**42–4**	**4.4b,3.4s**	**128**	**0-72**
NIED	XII	17 13 10 00	40.10N	142.50E	41	4.0W,3.4s		**¶12077918**
BJI	XII	17 13 10 34.9	39.60N	144.00E	81	4.8b,4.6b		
MOS	XII	17 13 10 39.5–1.5	40.11N	142.39E	33	4.3b,4.6b		
ISCJB	XII	17 13 10 41.0–.57	40.11N–.03	142.46E–.06	51–4	4.4b,3.4s		
JMA	XII	17 13 10 41.1–.10	40.12N	142.46E	35–1	4.1,3.4s		
NEIC	XII	17 13 10 43.7–.88	40.13N	142.47E	62–7	4.7b,4.0W		
IDC	XII	17 13 10 44.1–2.6	40.11N	142.38E	67–23	3.7,3.6		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ77.00000°,λ104.00000°. NP2:ϕ_s165.00000°,δ19.00000°,λ43.00000°. M_o1.28000×10^{15}

MOS Error ellipse: s-maj=11.1km s-min=8.3km az=69.2.

ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.2km az=22.9.

JMA Event type fe.

NEIC Event type fe. Error ellipse: s-maj=13.4km s-min=7.2km az=122.0. Recorded [1 JMA] in Iwate. Moment Tensor Solution. M_o1.30000×10^{15}

IDC Error ellipse: s-maj=21.0km s-min=15.2km az=100.0.

(273) Southwest of Sumatera

ISC	**XII**	**17 16 06 59.3–.36**	**6.11S–.02**	**103.44E–.02**	**44–3**	**5.6b,4.7s**	**706**	**1-160**
BJI	XII	17 16 06 50.2	6.79S	103.51E	35	5.7b,5.2b		**¶12077932**
IDC	XII	17 16 06 53.0–.40	6.03S	103.54E	0	5.4,5.4b		
DJA	XII	17 16 06 54.6–.70	6S–3.0	103E–2.0	17–6	6.0,5.9b		
MOS	XII	17 16 06 57.1–1.0	5.87S	103.67E	33	5.9b,4.6s		
ISCJB	XII	17 16 06 57.2–.42	6.10S–.02	103.45E–.02	41–3	5.6b,4.7s		
NEIC	XII	17 16 06 58.2–.12	6.07S	103.51E	35	5.7b,5.2W		
SZGRF	XII	17 16 07 02.3	3.96S	104.49E	33	5.5b,5.2W		
GCMT	XII	17 16 07 04.3–.20	6.49S	103.23E	42–1	5.2W,5.2W		

ISC Event type se.

IDC Error ellipse: s-maj=15.8km s-min=10.3km az=45.0.

MOS Error ellipse: s-maj=9.1km s-min=4.7km az=114.5.

ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=32.6.

NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=51.0. Felt [III] at Liwa and [II] at Kapahiang. Moment Tensor Solution. s13 Moment tensor: Scale 10^{16}Nm; M_{rr}5.37 $M_{\theta\theta}$-4.39 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.99 $M_{\theta\phi}$3.72 $M_{\phi r}$2.25 Best double couple: NP1:ϕ_s318.00000°,δ56.00000° ,λ109.00000°. NP2:ϕ_s106.00000°,δ38.00000°,λ64.00000°. Principal axes: T 6.0900,Plg71.0000°,Azm273.0000°; N 1.0300,Plg15.0000°,Azm126.0000° ; P -7.1200,Plg9.0000°,Azm34.0000° M_o6.70000×10^{16}

SZGRF Southern Sumatera, Indonesia.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 74, comp=108, per= 50. Moment Tensor Solution. s65,c99; s5,c5; Moment tensor: Scale 10^{16}Nm; M_{rr}5.59±.21 $M_{\theta\theta}$-3.69±.15; $M_{\phi\phi}$-1.90±.18; $M_{r\theta}$3.76±.16; $M_{\theta\phi}$3.83±.11; $M_{\phi r}$-2.34±.18; Best double couple: NP1:ϕ_s314.00000°,δ27.00000°,λ99.00000°. NP2:ϕ_s124.00000°,δ63.00000°,λ85.00000°. Principal axes: T 7.0400,Plg72.0000°,Azm23.0000°; N 1.1000,Plg4.0000°,Azm126.0000° ; P -8.1400,Plg18.0000°,Azm217.0000° M_o7.60000×10^{16}

(224) Hokkaido region

ISC	**XII**	**17 19 10 04.0–.36**	**41.40N–.03**	**141.75E–.04**	**69–4**	**3.6b**	**74**	**1-71**
IDC	XII	17 19 09 54.7–1.2	41.31N	141.77E	0	3.8,3.7b		**¶12077951**
MOS	XII	17 19 10 02.5–1.8	41.40N	141.75E	66	4.2b,3.7b		
ISCJB	XII	17 19 10 03.1–.36	41.40N–.03	141.75E–.04	76–3	3.6b,3.7b		
JMA	XII	17 19 10 03.9–.10	41.42N	141.76E	67–1	3.3,3.7b		
NEIC	XII	17 19 10 04.5–.78	41.33N	141.88E	81–8	3.9b,3.7b		

ISC Event type fe.

IDC Error ellipse: s-maj=29.6km s-min=21.6km az=107.0.

MOS Error ellipse: s-maj=15.2km s-min=11.7km az=63.6.

ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.0km az=43.3.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.4km az=128.0.

(162) South Island

ISC	**XII**	**17 19 54 58.5–.94**	**42.51S–.03**	**172.84E–.04**	**4–7**	**4.0b,3.6s**	**150**	**1-153**
ISCJB	XII	17 19 54 58.4–.82	42.49S–.03	172.81E–.04	11–6	4.0b,3.6s		**¶11593852**
IDC	XII	17 19 54 58.7–1.0	42.54S	172.75E	0	4.2,4.1		
WEL	XII	17 19 54 59.8–.08	42.42S	172.84E	5	4.9L,4.1		
NEIC	XII	17 19 55 00.1	42.47S	172.84E	12	4.9L,4.6b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.2km az=39.8.

IDC Error ellipse: s-maj=26.5km s-min=23.7km az=76.0.

WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.7km az=90.0. Felt between West Coast, Canterbury and Wellington, maximum reported. intensity MM 6.

NEIC Event type fe. Felt [V] at Hanmer Springs and [IV] at Christchurch and Greymouth. Felt in much of the northern part of the South Island. After WEL.

(162) South Island

WEL	**XII**	**17 20 12 02.7–.11**	**42.46S**	**172.89E**	**5**	**4.1L**		
NEIC	XII	17 20 12 03.0	42.49S	172.88E	10	4.1L		**¶11656992**

WEL Event type fe. Error ellipse: s-maj=1.4km s-min=0.9km az=90.0. Felt from West Coast to Canterbury, maximum reported intensity MM 5.

NEIC Event type fe. Felt [IV] at Hanmer Springs. After WEL.

(160) Off east coast of North Island

ISC	**XII**	**17 20 33 58.7–.31**	**37.17S–.04**	**177.72E–.04**	**135–2**	**5.2b**	**331**	**1-164**
BJI	XII	17 20 33 57.7	37.41S	177.84E	114	5.4b,5.2b		**¶12077965**
NEIC	XII	17 20 33 57.6	36.91S	177.73E	126	5.4b,5.2b		
ISCJB	XII	17 20 33 57.7–.32	37.17S–.04	177.72E–.04	142–2	5.2b,5.2b		
WEL	XII	17 20 33 57.3–.37	36.90S	177.76E	127–3	5.8L,5.2b		
GCMT	XII	17 20 33 58.8–.20	36.87S	177.85E	130–1	5.2W,5.2b		
IDC	XII	17 20 33 58.1–1.1	37.01S	177.84E	135–9	4.8,4.7		
MOS	XII	17 20 34 00.9–1.4	36.65S	177.71E	159	5.0b,4.7		
DJA	XII	17 20 34 14	36.84S	177.38E	257	5.4b,4.7		

ISC Event type fe.

NEIC Event type fe. Felt [IV] at Whakatane. Felt in the Bay of Plenty and Gisborne areas. After WEL.

ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.6km az=177.2.

WEL Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=0.0. Felt between Bay of Plenty, Wellington and Gisborne, maximum reported. intensity MM 4.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s56,c81; s86,c139; Moment tensor: Scale 10^{16}Nm; M_{rr}0.89±.18 $M_{\theta\theta}$-6.10±.19; $M_{\phi\phi}$5.21±.19; $M_{r\theta}$-1.77±.15; $M_{\theta\phi}$4.17±.19; $M_{\phi r}$4.32±.13; Best double couple: NP1:ϕ_s65.00000°,δ56.00000°,λ6.00000°. NP2:ϕ_s331.00000°,δ85.00000°,λ146.00000°. Principal axes: T 8.4000,Plg27.0000° ,Azm283.0000°; N 0.1400,Plg56.0000°,Azm144.0000°; P -8.5400,Plg19.0000°,Azm23.0000° M_o8.50000×10^{16}

IDC Error ellipse: s-maj=17.2km s-min=12.8km az=13.0.

MOS Error ellipse: s-maj=17.2km s-min=12.3km az=130.8.

(159) North Island

ISC	**XII**	**17 21 18 43.0–.31**	**38.69S–.02**	**176.69E–.04**	**67–3**	**3.8b**	**108**	**0-154**
ISCJB	XII	17 21 18 42.3–.31	38.68S–.02	176.69E–.04	73–3	3.8b		**¶11656993**
IDC	XII	17 21 18 42.9–.96	38.43S	176.90E	73–9	3.9,3.7b		
WEL	XII	17 21 18 43.5–.12	38.63S	176.68E	64–1	4.7L,3.7b		
NEIC	XII	17 21 18 43.5	38.61S	176.68E	64	4.6L,4.0b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=8.2.

IDC Error ellipse: s-maj=37.1km s-min=25.6km az=153.0.

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0. Felt Bay Plenty - Hawk Bay and King Country - Gisborne, max reported. intensity MM 4.

NEIC Event type fe. Felt at Napier and Whakatane. After WEL.

(390) Southern Italy

ISC	**XII**	**17 21 57 45.2–.08**	**39.241N–.01**	**15.461E–.01**	**259–0**	**5.2b**	**3220**	**1-155**
BGS	XII	17 21 57 31.7–2.0	38.07N	15.71E	227–0	4.8b		**¶13403072**
SZGRF	XII	17 21 57 35.0	38.39N	15.50E	226	4.9b		
BJI	XII	17 21 57 42.5	39.52N	15.35E	254	4.9b,4.7b		
ROM	XII	17 21 57 42.8–.17	39.17N	15.59E	269–2	5.1L,4.7b		
PDG	XII	17 21 57 43.0–1.2	39.25N	15.59E	265–3	5.0,4.9L		
ISCJB	XII	17 21 57 44.4–.08	39.240N–.01	15.491E–.01	262–0	5.2b,4.9L		
PDA	XII	17 21 57 44.9	39.27N	15.49E	257	5.3W,4.9L		
CSEM	XII	17 21 57 44.9–.05	39.26N	15.48E	260–0	5.6L,5.5b		
NEIC	XII	17 21 57 44.8–.08	39.21N	15.44E	257	5.5b,5.3W		
MOS	XII	17 21 57 44.0–.87	39.21N	15.44E	261	5.3b,4.4s		
CRAAG	XII	17 21 57 44.7	39.20N	15.40E		5.3W,4.4s		
BEO	XII	17 21 57 45.7–.70	39.48N	15.43E	0–0	4.8L,4.4s		
TEH	XII	17 21 57 45.0	39.29N	15.49E	261	4.8L,4.4s		
LDG	XII	17 21 57 45.2–.20	39.40N	15.44E	280–0	5.4b,3.8s		
IDC	XII	17 21 57 46.3–.75	39.29N	15.39E	275–7	4.9,4.9		
GCMT	XII	17 21 57 47.2–.20	39.21N	15.50E	266–1	5.2W,4.9		
DJA	XII	17 21 57 51	39.21N	15.71E	310	4.8b,4.9		

ISC Event type ke.

BGS Error ellipse: s-maj=85.5km s-min=53.2km az=-1.0.

SZGRF Sicily, Italy.

ROM Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=102.0.

PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.9km az=0.0.

ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.0km az=10.7.

CSEM Event type fe. Error ellipse: s-maj=2.0km s-min=1.3km az=15.0.

NEIC Event type fe. Error ellipse: s-maj=1.8km s-min=1.1km az=16.0. Felt [IV] at Gioia Tauro; [III] at Cittanova, Messina, Reggio de Calabria and Villa San Giovanni. Also felt at Amantea, Avellino, Bari, Cosenza, Palmi, Potenza, Taranto, Taurianova and Vibo Valentia.

MOS Error ellipse: s-maj=2.9km s-min=2.2km az=91.1.

LDG Event type ke. Error ellipse: s-maj=9.6km s-min=5.4km az=35.0.

IDC Error ellipse: s-maj=7.4km s-min=5.3km az=117.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s67,c94; s90,c149; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.29±.16 $M_{\theta\theta}$-0.64±.17; $M_{\phi\phi}$6.93±.17; $M_{r\theta}$-2.16±.17; $M_{\theta\phi}$-1.93±.16; $M_{\phi r}$-5.68±.18; Best double couple: NP1:ϕ_s145.00000°,δ31.00000° ,λ-129.00000°. NP2:ϕ_s8.00000°,δ67.00000°,λ-70.00000°. Principal axes: T 9.1500,Plg19.0000°,Azm83.0000°; N 0.0900,Plg19.0000°,Azm180.0000° ; P -9.2500,Plg63.0000°,Azm311.0000° M_o9.20000×10^{16}

(163) Cook Strait

WEL	**XII**	**18 05 59 59.8–.04**	**41.16S**	**174.75E**	**37–1**	**3.5L**		**¶11656997**

WEL Event type fe. Error ellipse: s-maj=0.6km s-min=0.5km az=0.0. Felt in the Wellington region, maximum reported intensity MM 4.

(229) Off east coast of Honshu

ISC	**XII**	**18 06 47 13.2–.09**	**38.51N–.02**	**143.00E–.02**	**28**	**5.3b,5.2s**	**1218**	**1-154**
NIED	XII	18 06 47 00	38.40N	143.40E	23	5.3W,5.2s		**¶13403119**
IDC	XII	18 06 47 07.3–.45	38.36N	143.22E	0	4.9,4.9		
JMA	XII	18 06 47 07.3–.20	38.37N	143.44E	27	5.5,4.9		
BJI	XII	18 06 47 08.6	38.49N	142.90E	10	5.6b,5.5b		
ISCJB	XII	18 06 47 11.3–.10	38.50N–.02	142.99E–.02	26	5.3b,5.2s		
NEIC	XII	18 06 47 13.6–1.4	38.43N	143.00E	35–9	5.4b,5.3W		
MOS	XII	18 06 47 13.2–.84	38.71N	142.94E	33	5.7b,5.3s		
SZGRF	XII	18 06 47 13.0	39.32N	143.58E	32	5.5b,5.3s		
GCMT	XII	18 06 47 14.0–.20	38.44N	143.32E	21–0	5.3W,5.3s		
DJA	XII	18 06 47 26	38.36N	142.57E	124	5.3b,5.3s		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ58.00000°,λ88.00000°. NP2:ϕ_s205.00000°,δ32.00000°,λ93.00000°. M_o9.63000×10^{16}

IDC Error ellipse: s-maj=13.6km s-min=12.0km az=109.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.6km az=162.5.

NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.1km az=144.0. Felt at Misawa. Recorded [3 JMA] in Miyagi; [2 JMA] in Akita, Aomori and Iwate; [1 JMA] in Fukushima and Yamagata. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s30.00000°,δ66.00000°,λ89.00000°. NP2:ϕ_s213.00000°,δ24.00000°,λ93.00000°. Principal axes: T 1.1000,Plg68.0000° ,Azm297.0000°; N -0.0400,Plg1.0000°,Azm30.0000°; P -1.0600,Plg21.0000°,Azm121.0000° M_o1.10000×10^{17} Moment Tensor Solution. M_o9.60000×10^{16}

MOS Error ellipse: s-maj=6.1km s-min=3.7km az=106.9.

SZGRF Off east coast of Honshu, Japan.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 97, comp=190, per= 50. Moment Tensor Solution. s72,c105; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s194.00000°,δ20.00000° ,λ83.00000°. NP2:ϕ_s21.00000°,δ70.00000°,λ93.00000°. Principal axes: T 1.1200,Plg65.0000°,Azm296.0000°; N 0.0200,Plg2.0000°,Azm201.0000° ; P -1.1400,Plg25.0000°,Azm109.0000° M_o1.10000×10^{17}

(73) El Salvador

ISC	**XII**	**18 12 18 07.8–.38**	**13.08N–.05**	**88.95W–.04**	**67–4**	**3.6b**	**72**	**0-138**
ISCJB	XII	18 12 18 06.6–.39	13.05N–.05	88.95W–.04	74–4	3.6b		**¶12078057**
CASC	XII	18 12 18 07.5–2.5	13.04N	88.98W	57–17	4.1L,4.1b		
IDC	XII	18 12 18 08.6–2.4	13.28N	88.62W	78–27	3.6,3.5		
NEIC	XII	18 12 18 08.9–1.1	13.07N	88.80W	88–10	4.2,4.1b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=3.7km az=31.5.

CASC Error ellipse: s-maj=9.6km s-min=4.9km az=-1.0.

IDC Error ellipse: s-maj=49.8km s-min=14.0km az=43.0.

NEIC Event type fe. Error ellipse: s-maj=19.7km s-min=8.5km az=222.0. Felt [II] at San Salvador.

(88) Dominican Republic region

ISC	**XII**	**18 17 13 48.6–.10**	**18.65N–.02**	**69.39W–.01**	**106**	**5.1b**	**1193**	**0-166**
RSPR	XII	18 17 13 46.0	19.03N	69.38W	132–5	5.2		**¶12078070**
ISCJB	XII	18 17 13 46.9–.10	18.68N–.02	69.38W–.01	104	5.1b		
MOS	XII	18 17 13 46.6–.84	18.73N	69.40W	100	5.3b		
IDC	XII	18 17 13 46.7–.43	18.37N	69.49W	99–3	4.9,4.9		
LDG	XII	18 17 13 46.4–.40	18.50N	69.40W	106–0	5.1b,3.8s		
NEIC	XII	18 17 13 47.9–.10	18.62N	69.41W	104	5.3b,3.8s		
BJI	XII	18 17 13 47.9	18.60N	69.40W	104	5.0b,3.8s		
GCMT	XII	18 17 13 48.8–.20	18.73N	69.33W	93–1	5.1W,3.8s		
SZGRF	XII	18 17 13 52.4	18.13N	67.83W	105	5.3b,3.8s		
JSN	XII	18 17 15 06.9–1.1	18.53N	75.63W	0–219	5.3b,3.8s		

ISC Event type fe.

RSPR Event type ke.

ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=1.4km az=18.0.

MOS Error ellipse: s-maj=4.7km s-min=4.3km az=75.2.

IDC Error ellipse: s-maj=9.3km s-min=8.2km az=47.0.

LDG Event type ke. Error ellipse: s-maj=19.7km s-min=12.7km az=82.0.

NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=1.8km az=204.0. Felt [II] at Santiago. Also felt at Azua, Cotui, Jarabacoa, La Vega, Maimon, Moca, San Cristobal, San Francisco de Macoris and Sosua. Felt at Mayaguez, Puerto Rico.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c78; s91,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}5.56±.12 $M_{\theta\theta}$-1.29±.17; $M_{\phi\phi}$-4.27±.17; $M_{r\theta}$-1.41±.11; $M_{\theta\phi}$3.32±.14; $M_{\phi r}$0.45±.13; Best double couple: NP1:ϕ_s158.00000°,δ41.00000°,λ106.00000°. NP2:ϕ_s317.00000°,δ51.00000°,λ77.00000°. Principal axes: T 5.8400,Plg78.0000° ,Azm174.0000°; N 0.6900,Plg10.0000°,Azm325.0000°; P -6.5300,Plg5.0000°,Azm56.0000° M_o6.20000×10^{16}

SZGRF Mona Passage.

JSN Error ellipse: s-maj=84.9km s-min=181.2km az=-1.0.

(135) Near coast of central Chile

ISC	**XII**	**18 21 19 29.8–.65**	**32.38S–.02**	**71.67W–.03**	**24–4**	**6.0s,5.7b**	**903**	**0-178**
BJI	XII	18 21 19 26.8	32.14S	72.44W	19	6.3s,6.2		**¶13813917**
ISCJB	XII	18 21 19 28.6–.66	32.33S–.02	71.68W–.03	26–4	6.0s,5.7b		
NEIC	XII	18 21 19 28.4–.10	32.46S	71.73W	18	6.2W,6.0s		
GUC	XII	18 21 19 28.4–.52	32.48S	71.90W	25–3	5.8L,6.0s		
MOS	XII	18 21 19 29.9–1.0	32.30S	71.70W	33	6.0s,5.8b		
IDC	XII	18 21 19 29.5–1.1	32.47S	71.67W	24–6	6.0,6.0s		
GCMT	XII	18 21 19 33.6–.10	32.63S	72.13W	22–0	6.1W,6.0s		
SZGRF	XII	18 21 19 38.4	31.92S	67.31W	33	6.3b,6.0s		
DJA	XII	18 21 19 45	32.79S	71.56W	142	5.5b,6.0s		

ISC Event type se.

ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.9km az=147.7.

NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=65.0. Felt [V] at La Ligua, Valparaiso and Vina del Mar; [IV] at Melipilla, Quillota and Santiago; [III] at Rancagua; [II] at Canela, Illapel and Salamanca. Also felt at Cabildo, Colina, Limache, Machali and Penaflor. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s175.00000°,δ70.00000°,λ90.00000°. NP2:ϕ_s355.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm85.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm265.0000° Moment Tensor Solution. s157 Moment tensor: Scale 10^{18}Nm; M_{rr}0.84 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-1.07 $M_{r\theta}$0.11 $M_{\theta\phi}$0.08 $M_{\phi r}$-1.00 Best double couple: NP1:ϕ_s360.00000° ,δ22.00000°,λ95.00000°. NP2:ϕ_s174.00000°,δ68.00000°,λ88.00000°. Principal axes: T 1.2700,Plg66.0000°,Azm80.0000°; N 0.2300,Plg1.0000°,Azm174.0000° ; P -1.5100,Plg23.0000°,Azm265.0000° M_o1.40000×10^{18} Moment Tensor Solution. M_o1.90000×10^{18}

GUC Error ellipse: s-maj=2.0km s-min=3.4km az=-1.0.

MOS Error ellipse: s-maj=10.9km s-min=6.2km az=95.8.

IDC Error ellipse: s-maj=9.6km s-min=5.3km az=79.0.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=113, comp=252, per= 50. Moment Tensor Solution. s112,c239; s90,c125; Moment tensor: Scale 10^{18}Nm; M_{rr}1.13±.01

$M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-1.25±.01; $M_{r\theta}$0.13±.02; $M_{\theta\phi}$0.06±.01; $M_{\phi r}$-1.54±.03; Best double couple: NP1:ϕ_s360.00000°,δ19.00000°,λ94.00000°. NP2:ϕ_s175.00000°,δ71.00000°,λ89.00000°. Principal axes: T 1.8900,Plg64.0000°,Azm83.0000°; N 0.1200,Plg1.0000°,Azm176.0000° ; P -2.0100,Plg26.0000°,Azm267.0000° $M_0$2.00000×10^{18}

SZGRF San Juan Province, Argentina.

(134) Off coast of central Chile

ISC	**XII**	**18 21 50 33.1–.45**	**32.47S–.02**	**71.61W–.04**	**41–4**	**5.8s,5.6b**	**801**	**1-178**
IDC	XII	18 21 50 26.8–.30	32.59S	71.77W	0	5.7s,5.7		¶12078106
BJI	XII	18 21 50 28.7	32.50S	71.70W	10	6.2s,6.0		
GUC	XII	18 21 50 28.3–.74	32.48S	72.05W	25–5	5.5L,6.0		
NEIC	XII	18 21 50 28.0	32.47S	72.05W	25	6.0W,5.8b		
ISCJB	XII	18 21 50 31.6–.45	32.46S–.02	71.71W–.04	42–4	5.8s,5.6b		
MOS	XII	18 21 50 31.7–1.1	31.95S	71.91W	33	5.8s,5.8b		
GCMT	XII	18 21 50 34.0–.10	32.62S	72.11W	21–0	5.9W,5.8b		
DJA	XII	18 21 51 03	33.21S	71.25W	267	5.3b,5.8b		

ISC Event type se.
IDC Error ellipse: s-maj=11.7km s-min=8.3km az=96.0.
GUC Error ellipse: s-maj=2.3km s-min=4.7km az=-1.0.
NEIC Event type fe. Felt [III] at Papudo, Puchuncavi, Santiago, Valparaiso and Zapallar; [II] La Ligua and Vina del Mar. Also felt at Graneros, Puente Alto, Quillota and Quilpue. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.7km az=164.4.
MOS Error ellipse: s-maj=12.0km s-min=7.0km az=92.2.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=106, comp=216, per= 50. Moment Tensor Solution. s82,c142; s60,c66; Moment tensor: Scale 10^{17}Nm; M_{rr}4.43±.10 $M_{\theta\theta}$0.08±.05; $M_{\phi\phi}$-4.51±.07; $M_{r\theta}$0.25±.11; $M_{\theta\phi}$0.53±.04; $M_{\phi r}$-6.10±.21; Best double couple: NP1:ϕ_s350.00000°,δ18.00000°,λ83.00000°. NP2:ϕ_s177.00000°,δ72.00000°,λ92.00000°. Principal axes: T 7.5200,Plg63.0000°,Azm90.0000°; N 0.1200,Plg2.0000°,Azm356.0000° ; P -7.6500,Plg27.0000°,Azm265.0000° $M_0$7.60000×10^{17}

(135) Near coast of central Chile

ISC	**XII**	**18 22 33 27.9–.91**	**32.56S–.02**	**72.00W–.05**	**16–5**	**4.3b**	**83**	**1-156**
IDC	XII	18 22 33 25.4–.86	32.52S	71.88W	0	4.4,4.4b		¶12078112
ISCJB	XII	18 22 33 27.3–.94	32.57S–.03	72.09W–.06	26–5	4.3b,4.4b		
GUC	XII	18 22 33 29.2–.89	32.58S	71.93W	15–7	4.5L,4.4b		
NEIC	XII	18 22 33 29.0	32.57S	71.93W	15	4.5L,4.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=37.0km s-min=19.1km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.1km az=172.1.
GUC Error ellipse: s-maj=2.0km s-min=7.8km az=-1.0.
NEIC Event type fe. Felt [I] at Puchuncavi. After GUC.

(159) North Island

ISC	**XII**	**19 00 21 05.2–.19**	**38.36S–.02**	**176.04E–.04**	**188–1**	**4.7b**	**210**	**0-179**
IDC	XII	19 00 21 03.4–.27	38.33S	176.38E	188–3	4.5,4.4		¶11513594
ISCJB	XII	19 00 21 04.3–.19	38.36S–.02	176.03E–.04	193–1	4.6b,4.4		
WEL	XII	19 00 21 05.4–.28	38.25S	176.14E	187–2	5.8L,4.4		
NEIC	XII	19 00 21 05.7	38.25S	176.09E	185	4.8b,4.4		
BJI	XII	19 00 21 06.6	38.30S	176.10E	184	5.2b,5.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=11.3km az=22.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=6.7.
WEL Event type fe. Error ellipse: s-maj=1.5km s-min=1.0km az=90.0. Felt from Nelson to Gisborne, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Feilding, Gisborne, Hastings, Hokowhitu, Napier, Palmerston North, Taradale and Wellington. Felt widely in the eastern part of the North Island. After WEL.

(274) Southern Sumatera

ISC	**XII**	**19 01 27 21.6–.64**	**1.77S–.03**	**99.71E–.05**	**36–5**	**4.7b,3.8s**	**155**	**1-160**
IDC	XII	19 01 27 15.7–.42	1.72S	99.66E	0	4.6,4.5		¶11513597
DJA	XII	19 01 27 18	1.80S	99.61E	10	5.1,4.5		
ISCJB	XII	19 01 27 19.8–.72	1.77S–.03	99.69E–.05	38–6	4.7b,3.8s		
NEIC	XII	19 01 27 20.2–.20	1.75S	99.76E	28	4.7b,3.8s		
BJI	XII	19 01 27 21.0	1.52S	100.02E	26	5.0b,4.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=19.7km s-min=10.1km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.5km az=152.2.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.3km az=60.0. Felt [III] at Padang and Painan, Sumatra.

(135) Near coast of central Chile

ISC	**XII**	**19 03 04 14.8–.87**	**32.48S–.02**	**72.02W–.05**	**10–4**	**4.2b,3.8s**	**65**	**1-171**
IDC	XII	19 03 04 13.5–1.5	32.56S	71.60W	0	4.4b,4.3		¶11513602
ISCJB	XII	19 03 04 14.7–.87	32.47S–.02	72.07W–.06	22–5	4.2b,3.8s		
GUC	XII	19 03 04 16.9–.78	32.49S	71.91W	27–4	4.5L,3.8s		
NEIC	XII	19 03 04 16.9	32.49S	71.91W	27	4.5L,4.1b		
BJI	XII	19 03 04 17.4	32.50S	71.90W	40	4.9s,4.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=65.6km s-min=23.9km az=101.0.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=3.9km az=169.7.
GUC Error ellipse: s-maj=2.0km s-min=4.0km az=-1.0.
NEIC Event type fe. Felt [II] at La Ligua, Papudo, Puchuncavi and Zapallar. After GUC.

(244) Taiwan

ISC	**XII**	**19 05 56 46.7–.48**	**24.85N–.02**	**122.03E–.03**	**3–3**	**3.9s,3.9b**	**101**	**0-98**
NIED	XII	19 05 56 00	24.90N	121.90E	5	4.5W,3.9b		¶13649775
TAP	XII	19 05 56 46.1	24.85N	122.00E	14–0	4.1L,3.9b		
ISCJB	XII	19 05 56 46.3–.50	24.87N–.02	122.03E–.03	8–3	3.9s,3.9b		
NEIC	XII	19 05 56 47.8–.44	24.86N	121.93E	10	4.3L,3.9b		
BJI	XII	19 05 56 52.0	25.17N	121.61E	15	4.1b,4.0b		
IDC	XII	19 05 56 53.6–4.1	24.84N	121.98E	60–39	3.9,3.9s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s75.00000°,δ48.00000°,λ-77.00000°. NP2:ϕ_s236.00000°,δ43.00000°,λ-104.00000°. $M_0$5.89000×10^{15}
TAP B.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.7km az=8.3.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=7.0km az=113.0. Recorded [3 TAP] in I-lan and [1 TAP] in T'ai-pei.
IDC Error ellipse: s-maj=24.5km s-min=13.0km az=66.0.

(117) Southern Peru

ISC	**XII**	**19 06 16 30.8–1.6**	**15.2S–.30**	**72.6W–.10**	**127–11**	**3.5b**	**16**	**4-84**
ISCJB	XII	19 06 16 29.5–1.7	15.3S–.30	72.7W–.10	131–12	3.2b		¶12078148
NEIC	XII	19 06 16 29.6–1.6	15.35S	72.63W	122–12	4.3		
IDC	XII	19 06 16 31.8–2.1	13.71S	71.84W	80–40	3.8L,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=46.7km s-min=8.6km az=24.2.
NEIC Event type fe. Error ellipse: s-maj=38.0km s-min=12.3km az=199.0. Felt [II] at Caraveli, Chuquibamba and Ocona.
IDC Error ellipse: s-maj=102.6km s-min=11.0km az=26.0.

(115) Near coast of Peru

ISC	**XII**	**19 06 44 00.2–2.6**	**17.4S–.20**	**70.2W–.20**	**88–27**	**3.3b**	**11**	**2-150**
ISCJB	XII	19 06 44 00.7–2.5	17.4S–.20	70.1W–.20	103–25	3.3b		¶12078153
IDC	XII	19 06 44 00.1–4.9	17.56S	70.30W	79–37	3.5,3.4		
NEIC	XII	19 06 44 00.3–2.5	17.51S	70.15W	80–23	3.5b,3.4		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=33.0km s-min=23.6km az=155.3.
IDC Error ellipse: s-maj=61.2km s-min=24.5km az=117.0.
NEIC Event type fe. Error ellipse: s-maj=29.1km s-min=19.4km az=64.0. Felt [II] at Moquegua.

(228) Near east coast of eastern Honshu

ISC	**XII**	**19 06 52 59.8–.36**	**40.98N–.03**	**141.97E–.04**	**60–2**	**4.7b**	**259**	**1-148**
MOS	XII	19 06 52 54.8–.95	40.84N	141.85E	33	4.9b		¶13403263
ISCJB	XII	19 06 52 58.9–.36	40.98N–.03	141.97E–.04	66–2	4.5b		
BJI	XII	19 06 52 59.2	41.01N	142.09E	77	5.2b,4.8b		
JMA	XII	19 06 52 59.1–.10	40.97N	142.01E	56–2	4.1,4.8b		
NIED	XII	19 06 53 00	41.00N	142.00E	53	4.3W,4.8b		
IDC	XII	19 06 53 01.4–1.7	40.97N	141.91E	77–14	4.1,4.0		
NEIC	XII	19 06 53 01.4–.54	40.99N	142.01E	77–4	4.9b,4.3W		

ISC Event type fe.
MOS Error ellipse: s-maj=11.1km s-min=6.5km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=28.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s29.00000°,δ86.00000°,λ92.00000°. NP2: ϕ_s178.00000°,δ5.00000°,λ58.00000°. Principal axes: T Plg49.0000°,Azm302.0000° ; N Plg2.0000°,Azm209.0000°; P Plg41.0000°,Azm117.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ71.00000°,λ91.00000°. NP2:ϕ_s199.00000°,δ19.00000°,λ88.00000°. $M_0$3.34000×10^{15}
IDC Error ellipse: s-maj=14.9km s-min=10.2km az=122.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.7km az=136.0. Felt [II] at Misawa. Recorded [3 JMA] in Aomori and [1 JMA] in Iwate. Also recorded [1 JMA] in southwestern Hokkaido. Moment Tensor Solution. $M_0$3.30000×10^{15}

(134) Off coast of central Chile

ISC	**XII**	**19 07 30 07.1–.90**	**32.51S–.03**	**71.88W–.04**	**12–5**	**5.1b,5.0s**	**646**	**1-178**
GUC	XII	19 07 30 06.9–.63	32.54S	72.02W	12–34	5.1L,5.0s		¶11513607
NEIC	XII	19 07 30 06.0	32.54S	72.02W	12	5.2b,5.1L		
ISCJB	XII	19 07 30 06.8–.91	32.52S–.03	71.97W–.04	21–6	5.1b,5.0s		
BJI	XII	19 07 30 08.5	32.39S	72.02W	33	5.6s,5.2b		
MOS	XII	19 07 30 09.1–1.3	32.42S	71.79W	35	5.3b,5.2b		
IDC	XII	19 07 30 09.6–.39	32.52S	71.84W	32–2	4.9s,4.9		
GCMT	XII	19 07 30 11.8–.20	32.66S	72.24W	22–0	5.4W,4.9		

ISC Event type fe.
GUC Error ellipse: s-maj=16.3km s-min=25.0km az=-1.0.
NEIC Event type fe. Felt [III] at La Ligua, Papudo, Valparaiso, Vina del Mar and Zapallar; [II] at Curacavi, San Antonio and Santiago. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.2km az=139.2.
MOS Error ellipse: s-maj=15.1km s-min=7.1km az=106.5.
IDC Error ellipse: s-maj=16.7km s-min=10.8km az=74.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c107; s88,c143; Moment tensor: Scale 10^{17}Nm; M_{rr}0.95±.03 $M_{\theta\theta}$0.06±.02; $M_{\phi\phi}$-1.01±.02; $M_{r\theta}$0.02±.03; $M_{\theta\phi}$0.01±.01; $M_{\phi r}$-1.17±.05; Best double couple: NP1:ϕ_s359.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s179.00000°,δ70.00000°,λ90.00000°. Principal axes: T 1.4900,Plg65.0000° ,Azm89.0000°; N 0.0600,Plg0.0000°,Azm179.0000°; P -1.5600,Plg25.0000°,Azm269.0000° $M_0$1.50000×10^{17}

(135) Near coast of central Chile

ISC	**XII**	**19 09 36 08.2–.09**	**32.42S–.02**	**71.72W–.03**	**37**	**5.5s,5.5b**	**804**	**0-178**
IDC	XII	19 09 36 01.9–.37	32.38S	71.78W	0	5.5s,5.4		¶11513615
GUC	XII	19 09 36 04.9–.75	32.46S	71.95W	32–2	5.8L,5.4		
NEIC	XII	19 09 36 04.9	32.46S	71.95W	32	5.8L,5.6W		
ISCJB	XII	19 09 36 06.3–.09	32.42S–.02	71.84W–.03	35	5.5s,5.5b		
BJI	XII	19 09 36 06.3	32.57S	71.45W	33	5.8s,5.7b		
MOS	XII	19 09 36 06.6–1.0	32.30S	71.70W	33	5.7b,5.3s		
GCMT	XII	19 09 36 08.8–.10	32.56S	72.10W	23	5.7W,5.3s		
DJA	XII	19 09 36 19	32.62S	71.66W	121	5.4b,5.3s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.2km s-min=11.5km az=76.0.
GUC Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0.
NEIC Event type fe. Felt [V] at Papudo and Zapallar; [IV] at La Ligua, Puchuncavi, Valparaiso and Vina del Mar; [III] at San Antonio, San Felipe and Santiago; [II] at Illapel, Los Vilos, Melipilla, Rancagua, Salamanca and San Jose de Maipo. Also felt at Paine. After GUC. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}2.62 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-2.17 $M_{r\theta}$-0.80 $M_{\theta\phi}$0.63 $M_{\phi r}$-1.87 Best double couple: NP1:ϕ_s328.00000°,δ31.00000°,λ58.00000°. NP2: ϕ_s184.00000°,δ64.00000°,λ108.00000°. Principal axes: T 3.5000,Plg66.0000°,Azm125.0000° ; N -0.6400,Plg15.0000°,Azm356.0000°; P -2.8600,Plg17.0000°,Azm261.0000° $M_0$3.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.0km az=150.5.
MOS Error ellipse: s-maj=13.7km s-min=6.6km az=99.8.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 99, comp=190, per= 50. Moment Tensor Solution. s86,c151; s42,c45; Moment tensor: Scale 10^{17}Nm; M_{rr}2.83±.05 $M_{\theta\theta}$0.16±.04; $M_{\phi\phi}$-2.99±.04; $M_{r\theta}$0.61±.07; $M_{\theta\phi}$0.17±.03; $M_{\phi r}$-3.84±.12; Best double couple: NP1:ϕ_s2.00000°,δ19.00000°,λ100.00000°. NP2:ϕ_s172.00000°,δ72.00000°,λ87.00000°. Principal axes: T 4.7900,Plg63.0000°,Azm77.0000°; N 0.1500,Plg3.0000°,Azm173.0000° ; P -4.9300,Plg27.0000°,Azm265.0000° $M_0$4.90000×10^{17}

(135) Near coast of central Chile

ISC	**XII**	**19 13 57 31.6–.64**	**32.53S–.03**	**71.71W–.04**	**27–4**	**5.0b,4.7s**	**551**	**0-178**
IDC	XII	19 13 57 26.4–.41	32.59S	71.72W	0	4.9,4.9b		¶11513629
ISCJB	XII	19 13 57 30.8–.68	32.51S–.03	71.76W–.04	33–4	5.0b,4.7s		
NEIC	XII	19 13 57 30.0	32.58S	71.85W	14	5.1b,5.1L		
GUC	XII	19 13 57 30.4–.53	32.58S	71.85W	14–4	5.1L,5.1L		
MOS	XII	19 13 57 31.0–1.0	32.40S	71.70W	33	5.3b,5.0s		
BJI	XII	19 13 57 31.3	32.50S	71.60W	27	5.4s,5.2b		
GCMT	XII	19 13 57 36.4–.30	32.68S	71.97W	24–2	5.2W,5.2b		
DJA	XII	19 13 58 01	33.11S	71.49W	271	4.8b,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=12.7km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.1km az=148.0.
NEIC Event type fe. Felt [III] at Papudo, Punchuncavi, Valparaiso and Vina del Mar; [II] at Quillota, San Antonio and Santiago. Also felt at Llaillay, Quilpue and Villa Alemana. After GUC.
GUC Error ellipse: s-maj=1.3km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=16.4km s-min=7.9km az=104.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c64; s54,c64; Moment tensor: Scale 10^{16}Nm; M_{rr}3.40±.28 $M_{\theta\theta}$2.46±.24; $M_{\phi\phi}$-5.86±.24; $M_{r\theta}$1.98±.43; $M_{\theta\phi}$1.20±.17; $M_{\phi r}$-6.78±.76; Best double couple: NP1:ϕ_s11.00000°,δ19.00000°,λ118.00000°. NP2:ϕ_s162.00000°,δ74.00000°,λ81.00000°. Principal axes: T 7.2900,Plg60.0000° ,Azm59.0000°; N 2.4800,Plg9.0000°,Azm165.0000°; P -9.7600,Plg28.0000°,Azm259.0000° $M_0$8.50000×10^{16}

(135) Near coast of central Chile

ISC	**XII**	**19 16 48 50.4–.82**	**32.59S–.03**	**71.90W–.04**	**15–4**	**4.9b,4.7s**	**465**	**0-176**
IDC	XII	19 16 48 46.5–.42	32.56S	71.94W	0	4.8b,4.8		¶11513635
ISCJB	XII	19 16 48 48.9–1.5	32.55S–.03	71.97W–.04	14–9	4.9b,4.7s		
NEIC	XII	19 16 48 50.2	32.61S	71.99W	13	5.0b,4.9L		
GUC	XII	19 16 48 50.2–.41	32.61S	71.99W	13–4	4.9L,4.9L		
MOS	XII	19 16 48 50.9–1.2	32.56S	71.89W	33	5.3b,4.9L		
BJI	XII	19 16 48 52.1	32.50S	71.80W	26	5.2s,5.2b		
GCMT	XII	19 16 48 53.6–.20	32.60S	72.25W	29–1	5.2W,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=12.0km az=83.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.5km az=139.1.
NEIC Event type fe. Felt [III] at La Ligua and [II] at Cabildo, Casablanca, San Antonio, Santiago, Valparaiso and Vina del Mar. After GUC.
GUC Error ellipse: s-maj=0.9km s-min=4.5km az=-1.0.
MOS Error ellipse: s-maj=16.6km s-min=7.7km az=105.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s47,c59; s66,c91; Moment tensor: Scale 10^{16}Nm; M_{rr}4.93±.24 $M_{\theta\theta}$0.57±.16; $M_{\phi\phi}$-5.50±.18; $M_{r\theta}$-0.08±.22; $M_{\theta\phi}$0.44±.12; $M_{\phi r}$-4.97±.27; Best double couple: NP1:ϕ_s351.00000°,δ23.00000°,λ82.00000°. NP2:ϕ_s180.00000°,δ67.00000°,λ93.00000°. Principal axes: T 6.9300,Plg68.0000° ,Azm96.0000°; N 0.5800,Plg3.0000°,Azm358.0000°; P -7.5100,Plg22.0000°,Azm267.0000° $M_0$7.20000×10^{16}

(135) Near coast of central Chile

ISC	**XII**	**19 17 43 25.6–1.0**	**32.61S–.03**	**71.87W–.07**	**21–6**	**4.0b**	**50**	**0-156**
IDC	XII	19 17 43 21.9–1.1	32.63S	71.86W	0	4.2L,4.1b		¶12078231
ISCJB	XII	19 17 43 25.0–1.0	32.60S–.03	71.92W–.08	30–6	4.0b,4.1b		
NEIC	XII	19 17 43 26.1	32.61S	71.83W	30	4.2L,3.7b		
GUC	XII	19 17 43 26.1–.66	32.61S	71.83W	30–6	4.2L,3.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=35.6km s-min=27.3km az=92.0.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=5.1km az=165.2.
NEIC Event type fe. Felt [II] at Petorca and Puchuncavi. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=4.0km az=-1.0.

(456) Montana

ISC	**XII**	**19 18 29 03.4–.17**	**45.05N–.01**	**106.77W–.02**	**0**		**143**	**0-18**
ISCJB	XII	19 18 29 02.6–.17	45.04N–.01	106.79W–.02	0			¶12078236
IDC	XII	19 18 29 02.3–1.1	45.11N	107.07W	0	3.7,3.4		
NEIC	XII	19 18 29 03.0–.49	45.10N	106.71W	0	3.1L,3.4		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=1.9km s-min=1.8km az=32.0.
IDC Error ellipse: s-maj=35.0km s-min=7.8km az=131.0.
NEIC Event type fm. Error ellipse: s-maj=6.5km s-min=5.6km az=58.0. 40 km [25 miles] NNE of Sheridan. Suspected Mining explosion.

(135) Near coast of central Chile

ISC	**XII**	**19 19 25 54.7–.81**	**32.54S–.03**	**71.79W–.05**	**26–5**	**4.7b,4.6s**	**136**	**1-176**
IDC	XII	19 19 25 50.6–.53	32.53S	71.64W	0	4.7,4.6		¶11513640
ISCJB	XII	19 19 25 53.7–.86	32.55S–.03	71.88W–.05	32–6	4.7b,4.6s		
GUC	XII	19 19 25 54.7–.83	32.58S	71.81W	14–8	4.9L,4.6s		
MOS	XII	19 19 25 54.8–1.2	32.52S	71.74W	33	5.1b,4.6s		
NEIC	XII	19 19 25 54.1–1.0	32.50S	71.75W	23–7	4.9b,4.9L		
BJI	XII	19 19 25 58.0	32.50S	71.60W	45	5.2s,5.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=26.5km s-min=16.1km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.7km az=151.5.

GUC Error ellipse: s-maj=2.4km s-min=8.5km az=-1.0.
MOS Error ellipse: s-maj=18.1km s-min=8.5km az=103.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.0km az=75.0. Felt [III] at Cabildo, Casablanca, La Ligua, Melipilla, Quillota, Valparaiso and Vina del Mar; [II] at La Calera, Rancagua and Santiago. Also felt at Limache.

(193) Bougainville - Solomon Islands region

ISC	**XII**	**19 20 02 21.2–.74**	**9.96S–.03**	**160.39E–.03**	**40–6**	**5.1b,4.6s**	**353**	**1-165**
IDC	XII	19 20 02 14.3–.49	9.99S	160.55E	0	5.1,5.1		**¶13403367**
BJI	XII	19 20 02 17.2	10.03S	161.05E	47	5.2b,5.1s		
MOS	XII	19 20 02 18.4–.81	9.87S	160.38E	33	5.4b,4.6s		
ISCJB	XII	19 20 02 19.9–.83	9.98S–.03	160.34E–.03	43–7	5.1b,4.6s		
NEIC	XII	19 20 02 19.9–.19	9.96S	160.48E	36	5.2b,4.7s		
GCMT	XII	19 20 02 21.6–.30	10.15S	160.35E	34–0	5.1W,4.7s		
DJA	XII	19 20 02 30	10.19S	160.27E	112	5.1b,4.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=16.1km s-min=13.8km az=84.0.
MOS Error ellipse: s-maj=9.2km s-min=7.9km az=86.3.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=5.2km az=164.7.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=5.1km az=135.0. Felt at Honiara.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s59,c75; s65,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}4.93±.25 $M_{\theta\theta}$-3.22±.17; $M_{\phi\phi}$-1.71±.18; $M_{r\theta}$2.95±.26; $M_{\theta\phi}$3.02±.13; $M_{\phi r}$-1.34±.23; Best double couple: NP1:ϕ_s317.00000°,δ30.00000°,λ104.00000°. NP2:ϕ_s120.00000°,δ61.00000°,λ82.00000°. Principal axes: T 5.9000,Plg73.0000° ,Azm10.0000°; N 0.5500,Plg7.0000°,Azm124.0000°; P -6.4600,Plg16.0000°,Azm216.0000° M_o6.20000×10^{16}

(135) Near coast of central Chile

ISC	**XII**	**19 21 33 10.6–.99**	**32.55S–.03**	**71.98W–.05**	**17–6**	**4.1b**	**71**	**1-156**
IDC	XII	19 21 33 07.2–.75	32.46S	71.99W	0	4.2,4.2L		**¶12078254**
ISCJB	XII	19 21 33 09.8–.92	32.55S–.03	72.07W–.06	27–5	4.1b,4.2L		
GUC	XII	19 21 33 10.7–.54	32.55S	71.96W	32–2	4.4L,4.2L		
NEIC	XII	19 21 33 10.7	32.55S	71.96W	32	4.4L,3.9b		

ISC Event type fe.
IDC Error ellipse: s-maj=31.7km s-min=17.7km az=93.0.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=4.4km az=172.7.
GUC Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0.
NEIC Event type fe. Felt [II] at La Ligua, Santiago, Valparaiso and Vina del Mar. After GUC.

(193) Bougainville - Solomon Islands region

ISC	**XII**	**19 22 33 20.6–.12**	**9.95S–.03**	**160.40E–.02**	**37**	**5.4b,4.7s**	**498**	**1-165**
IDC	XII	19 22 33 14.1–.39	9.98S	160.53E	0	5.4,5.4		**¶11513645**
ISCJB	XII	19 22 33 18.8–.13	9.95S–.03	160.35E–.02	35	5.4b,4.7s		
BJI	XII	19 22 33 18.3	9.49S	160.50E	26	5.4b,5.3b		
MOS	XII	19 22 33 18.4–.81	9.88S	160.37E	33	5.6b,4.7s		
NEIC	XII	19 22 33 20.1–.12	9.96S	160.40E	39	5.4b,4.8s		
GCMT	XII	19 22 33 22.6–.20	10.12S	160.33E	35–0	5.2W,4.8s		
DJA	XII	19 22 33 32	10.02S	160.06E	131	5.5b,4.8s		

ISC Event type fe.
IDC Error ellipse: s-maj=12.7km s-min=11.7km az=91.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=165.8.
MOS Error ellipse: s-maj=8.3km s-min=6.9km az=79.5.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.4km az=139.0. Felt [II] at Honiara.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c108; s80,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}5.18±.21 $M_{\theta\theta}$-4.59±.16; $M_{\phi\phi}$-0.59±.16; $M_{r\theta}$4.89±.22; $M_{\theta\phi}$5.43±.13; $M_{\phi r}$0.50±.20; Best double couple: NP1:ϕ_s336.00000°,δ40.00000°,λ142.00000°. NP2:ϕ_s97.00000°,δ67.00000°,λ57.00000°. Principal axes: T 8.1100,Plg55.0000° ,Azm324.0000°; N 1.2700,Plg30.0000°,Azm112.0000°; P -9.3800,Plg15.0000° ,Azm211.0000° M_o8.80000×10^{16}

(127) Chile-Argentina border region

ISC	**XII**	**20 01 08 56.1–.32**	**30.09S–.02**	**70.76W–.06**	**86–3**	**3.7b**	**59**	**0-150**
ISCJB	XII	20 01 08 55.0–.33	30.08S–.02	70.77W–.07	93–3	3.7b		**¶12078273**
GUC	XII	20 01 08 55.8–.77	30.09S	70.73W	82–3	4.5L		
NEIC	XII	20 01 08 55.0	30.14S	70.72W	82	4.0b		
IDC	XII	20 01 08 56.7–.90	30.12S	70.75W	86–7	3.7,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.0km az=2.3.
GUC Error ellipse: s-maj=1.6km s-min=7.3km az=-1.0.
NEIC Event type fe. Felt [IV] at Coquimbo and La Serena; [III] at Andacollo, La Higuera and Vicuna. After GUC.
IDC Error ellipse: s-maj=25.1km s-min=10.2km az=47.0.

(135) Near coast of central Chile

ISC	**XII**	**20 01 44 27.1–.80**	**32.58S–.02**	**71.88W–.05**	**22–5**	**4.4b,4.0s**	**81**	**0-156**
IDC	XII	20 01 44 23.6–.76	32.64S	71.77W	0	4.5L,4.4		**¶12078274**
ISCJB	XII	20 01 44 26.1–.73	32.58S–.02	71.96W–.05	28–4	4.4b,4.0s		
NEIC	XII	20 01 44 27.0	32.60S	71.80W	33	4.8L,4.5b		
GUC	XII	20 01 44 27.7–.48	32.61S	71.81W	33–2	4.8L,4.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=25.9km s-min=21.4km az=37.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=3.8km az=166.0.
NEIC Event type fe. Felt [III] at La Ligua, Papudo, Valparaiso and Zapallar; [II] at Chacabuco, Melipilla, Puchuncavi, Quintero and Rancagua. After GUC.
GUC Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**20 04 41 37.6–.45**	**40.91N–.03**	**142.08E–.06**	**57–4**	**4.2b**	**42**	**1-66**
NIED	XII	20 04 41 00	40.90N	142.10E	44	3.6W		**¶11751751**
IDC	XII	20 04 41 29.3–1.2	40.85N	142.20E	0	3.9,3.8b		
ISCJB	XII	20 04 41 36.5–.45	40.90N–.03	142.09E–.06	66–4	4.1b,3.8b		
JMA	XII	20 04 41 37.2–.10	40.91N	142.12E	52–2	3.8,3.8b		
NEIC	XII	20 04 41 38.9–.74	40.90N	142.19E	75–7	4.4b,3.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ71.00000°,λ107.00000°. NP2:ϕ_s175.00000°,δ25.00000°,λ50.00000°. M_o3.09000×10^{14}
IDC Error ellipse: s-maj=46.6km s-min=22.6km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.7km az=31.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=7.8km az=107.0.

(159) North Island

WEL	**XII**	**20 05 47 33.5–.12**	**40.09S**	**175.13E**	**65–2**	**3.7L**		**¶11657041**

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.6km az=90.0. Felt between King Country, Manawatu and Taranaki, maximum reported intensity. MM 4.

(229) Off east coast of Honshu

ISC	**XII**	**20 10 29 20.2–.59**	**36.55N–.01**	**142.50E–.01**	**0–3**	**6.4s,6.0b**	**1965**	**1-165**
NIED	XII	20 10 29 00	36.50N	142.60E	5	6.4W,6.0b		**¶13403461**
JMA	XII	20 10 29 16.7–.30	36.53N	142.70E	0	6.6,6.0b		
IDC	XII	20 10 29 19.6–.37	36.50N	142.58E	0	6.3s,6.3		
ISCJB	XII	20 10 29 20.3–.07	36.48N–.01	142.51E–.01	11	6.4s,6.0b		
BJI	XII	20 10 29 21.5	36.66N	142.07E	10	6.7s,6.5		
TEH	XII	20 10 29 22.0	36.60N	142.36E	10	6.7s,6.5		
MOS	XII	20 10 29 23.5–1.1	36.51N	142.45E	33	6.5s,6.3b		
NEIC	XII	20 10 29 23.1–.09	36.54N	142.43E	19	6.4W,6.3s		
BGS	XII	20 10 29 24.1–2.7	36.24N	141.43E	20–0	6.6s,6.1b		
SZGRF	XII	20 10 29 28.2	37.11N	142.98E	33	6.8s,6.2b		
GCMT	XII	20 10 29 29.2–.10	36.56N	142.54E	12	6.3W,6.2b		
DJA	XII	20 10 29 30	36.35N	142.08E	51	6.5W,6.2b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s347.00000°,δ66.00000°,λ78.00000°. NP2:ϕ_s194.00000°,δ26.00000°,λ115.00000°. M_o4.30000×10^{18}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=11.6km s-min=10.2km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=165.2.
MOS Error ellipse: s-maj=6.0km s-min=4.0km az=109.9.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=153.0. Felt at Fukushima, Tokyo, Warabi and Yokohama. Recorded [3 JMA] in Fukushima, Miyagi and Yamagata; [2 JMA] in Akita, Chiba, Gumma, Ibaraki, Iwate, Niigata, Saitama and Tochigi; [1 JMA] in Aomori, Kanagawa, Nagano, Shizuoka and Tokyo. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s335.00000°,δ70.00000°,λ70.00000°. NP2: ϕ_s202.00000°,δ28.00000°,λ133.00000°. Principal axes: T Plg60.0000°,Azm216.0000° ; N Plg0.0000°,Azm0.0000°; P Plg22.0000°,Azm80.0000° Moment Tensor Solution. s145 Moment tensor: Scale 10^{18}Nm; M_{rr}1.08 $M_{\theta\theta}$1.25 $M_{\phi\phi}$-2.33 $M_{r\theta}$-0.79 $M_{\theta\phi}$-0.20 $M_{\phi r}$1.89 Best double couple: NP1:ϕ_s335.00000°,δ76.00000°,λ59.00000°. NP2:ϕ_s222.00000° ,δ34.00000°,λ153.00000°. Principal axes: T 2.4600,Plg49.0000°,Azm210.0000° ; N 0.7100,Plg29.0000°,Azm343.0000°; P -3.1700,Plg24.0000°,Azm88.0000° M_o2.90000×10^{18} Moment Tensor Solution. M_o4.30000×10^{18} Moment Tensor Solution. M_o6.70000×10^{18}
BGS Error ellipse: s-maj=737.9km s-min=999.9km az=-1.0.
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 108 sta. Surface waves: sta=121, comp=314, per= 50. Moment Tensor Solution. s103,c221; s99,c194; Moment tensor: Scale 10^{18}Nm; M_{rr}3.10±.02 $M_{\theta\theta}$0.46±.02; $M_{\phi\phi}$-3.56±.02; $M_{r\theta}$-1.23±.04; $M_{\theta\phi}$0.01±.01; $M_{\phi r}$1.64±.04; Best double couple: NP1:ϕ_s199.00000°,δ35.00000°,λ122.00000°. NP2:ϕ_s341.00000°,δ61.00000°,λ70.00000°. Principal axes: T 3.9000,Plg67.0000° ,Azm212.0000°; N 0.0600,Plg18.0000°,Azm351.0000°; P -3.9600,Plg14.0000°,Azm86.0000° M_o3.90000×10^{18}

(229) Off east coast of Honshu

ISC	**XII**	**20 10 35 08.9–1.9**	**36.63N–.05**	**142.49E–.05**	**12–12**	**4.5b**	**88**	**1-143**
MOS	XII	20 10 34 55.3–1.8	35.96N	143.78E	33	4.6b		**¶15518340**
ISCJB	XII	20 10 35 06.4–1.6	36.63N–.04	142.56E–.05	7–10	4.5b		
JMA	XII	20 10 35 08.0–.30	36.63N	142.50E	15	4.8		
NEIC	XII	20 10 35 08.1	36.63N	142.50E	15	4.8		
IDC	XII	20 10 35 10.7–.57	37.44N	142.55E	0	4.7,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=23.7km s-min=17.7km az=34.2.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=6.0km az=164.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=17.8km s-min=14.4km az=79.0.

(229) Off east coast of Honshu

ISC	**XII**	**20 10 48 24.3–1.0**	**36.59N–.02**	**142.46E–.02**	**12–6**	**5.5s,5.0b**	**474**	**1-151**
IDC	XII	20 10 48 21.6–.45	36.55N	142.53E	0	4.8,4.7b		**¶15518345**
ISCJB	XII	20 10 48 21.9–.92	36.58N–.02	142.50E–.02	8–5	5.5s,5.0b		
BJI	XII	20 10 48 22.8	36.78N	142.34E	10	5.8b,5.6s		
NEIC	XII	20 10 48 23.6–.14	36.56N	142.46E	10	5.2b,5.6s		
JMA	XII	20 10 48 24.0–.10	36.62N	142.56E	32	5.3,5.6s		
SZGRF	XII	20 10 48 25.3	35.18N	143.03E	33	5.6s,5.4b		
MOS	XII	20 10 48 27.9–.87	36.89N	142.38E	40	5.2b,5.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.3km s-min=11.6km az=109.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=169.6.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=158.0. Recorded [1 JMA] in Fukushima and Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
SZGRF Off east coast of Honshu, Japan.
MOS Error ellipse: s-maj=7.4km s-min=4.6km az=116.9.

(229) Off east coast of Honshu

JMA	**XII**	**20 10 55 21.3–.20**	**36.56N**	**142.50E**	**66**	**4.0**		
NEIC	XII	20 10 55 21.3	36.56N	142.51E	66	4.0		**¶13837170**

JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type fe. Recorded [3 JMA] in Miyagi and [1 JMA] in Iwate. After JMA.

(227) Eastern Honshu

ISC	**XII**	**20 10 55 34.6–.39**	**38.80N–.03**	**140.82E–.03**	**11–3**	**3.8b**	**64**	**0-146**
IDC	XII	20 10 55 32.1–.68	38.94N	141.13E	0	4.0,4.0		**¶11514967**
ISCJB	XII	20 10 55 34.4–.37	38.80N–.03	140.83E–.04	23–3	3.8b,4.0		
JMA	XII	20 10 55 34.7	38.81N	140.81E	4–1	3.9,4.0		
NEIC	XII	20 10 55 34.7	38.81N	140.81E	4	3.9,4.0		

ISC Event type fe.
IDC Error ellipse: s-maj=21.9km s-min=16.4km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.2km az=42.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s9.00000°,δ61.00000°,λ91.00000°. NP2:ϕ_s188.00000°,δ29.00000°,λ89.00000°. Principal axes: T Plg74.0000°,Azm281.0000°; N Plg1.0000°,Azm189.0000°; P Plg16.0000° ,Azm99.0000°
NEIC Event type se. After JMA.

(135) Near coast of central Chile

ISC	**XII**	**20 11 29 33.4–.89**	**32.50S–.03**	**72.13W–.04**	**11–5**	**4.9b**	**143**	**1-176**
IDC	XII	20 11 29 30.4–.49	32.52S	72.17W	0	4.6,4.6		**¶11514968**
ISCJB	XII	20 11 29 33.0–.99	32.50S–.03	72.21W–.05	18–7	4.9b,4.6		
GUC	XII	20 11 29 32.6–.57	32.51S	72.28W	28–4	5.1L,4.6		
BJI	XII	20 11 29 36.7	32.50S	71.90W	35	5.5s,5.2		
NEIC	XII	20 11 29 37.0–1.1	32.50S	71.92W	39–9	5.0b,5.2		

ISC Event type fe.
IDC Error ellipse: s-maj=24.2km s-min=12.9km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.0km az=159.7.
GUC Event type fe. Error ellipse: s-maj=1.8km s-min=3.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=6.6km az=69.0. Felt at Santiago.

(229) Off east coast of Honshu

ISC	**XII**	**20 12 22 01.1–.95**	**36.56N–.02**	**142.46E–.02**	**4–5**	**5.3b,5.0s**	**701**	**1-160**
ISCJB	XII	20 12 21 59.6–.85	36.52N–.02	142.49E–.02	5–5	5.3b,5.0s		**¶11514970**
IDC	XII	20 12 22 00.1–.38	36.49N	142.54E	0	5.0,5.0		
NIED	XII	20 12 22 00	36.60N	142.50E	8	4.9W,5.0		
NEIC	XII	20 12 22 01.8–.12	36.52N	142.49E	10	5.4b,4.9W		
JMA	XII	20 12 22 01.3–.20	36.56N	142.55E	24	5.4,4.9W		
SZGRF	XII	20 12 22 03.8	36.00N	141.06E	33	5.6b,4.8s		
TEH	XII	20 12 22 03.0	36.63N	142.47E	10	5.6b,4.8s		
BJI	XII	20 12 22 03.3	36.63N	141.84E	10	5.5b,5.2s		
MOS	XII	20 12 22 05.2–.85	36.81N	142.44E	33	5.5b,4.9s		
DJA	XII	20 12 22 13	36.49N	142.18E	96	5.3b,4.9s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.7km az=170.4.
IDC Error ellipse: s-maj=12.1km s-min=10.2km az=107.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ71.00000°,λ148.00000°. NP2:ϕ_s153.00000°,δ60.00000°,λ22.00000°. M_o2.81000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.6km az=149.0. Felt at Yokosuka. Recorded [2 JMA] in Fukushima and Miyagi and [1 JMA] in Yamagata. Moment Tensor Solution. M_o2.80000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
SZGRF Near east coast of eastern Honshu, Japan.
MOS Error ellipse: s-maj=7.0km s-min=4.3km az=114.1.

(259) Mindanao

ISC	**XII**	**20 13 50 03.0–.48**	**8.87N–.02**	**126.58E–.04**	**75–4**	**4.8b**	**280**	**1-164**
MOS	XII	20 13 49 56.7–1.2	8.91N	126.48E	33	5.2b		**¶11514971**
MAN	XII	20 13 49 58	8.91N	126.87E	54	5.5b,4.9s		
ISCJB	XII	20 13 50 01.0–.53	8.87N–.02	126.62E–.04	75–4	4.8b,4.9s		
IDC	XII	20 13 50 00.4–1.8	8.87N	126.51E	48–16	4.5,4.4		
BJI	XII	20 13 50 01.1	8.85N	126.54E	77	5.1b,4.9b		
NEIC	XII	20 13 50 02.6–.78	8.87N	126.54E	71–7	5.0b,4.9b		
DJA	XII	20 13 50 07	8.60N	126.57E	15	4.9b,4.9b		

ISC Event type fe.
MOS Error ellipse: s-maj=13.7km s-min=5.9km az=115.7.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.8km az=169.4.
IDC Error ellipse: s-maj=18.9km s-min=10.1km az=80.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.4km az=75.0. Felt at Butuan and Cagayan.

(228) Near east coast of eastern Honshu

ISC	**XII**	**20 14 51 08.2–.96**	**36.24N–.04**	**141.53E–.04**	**17–5**	**4.5b,4.0s**	**215**	**1-147**
NIED	XII	20 14 51 00	36.30N	141.50E	23	4.4W,4.0s		**¶13403481**
BJI	XII	20 14 51 03.6	36.28N	141.73E	12	4.9b,4.6b		
IDC	XII	20 14 51 05.8–.52	36.21N	141.44E	0	4.5,4.4		
ISCJB	XII	20 14 51 07.3–.95	36.20N–.04	141.59E–.05	25–6	4.5b,4.0s		
NEIC	XII	20 14 51 07.9–2.2	36.20N	141.50E	15–14	4.8b,4.3W		
MOS	XII	20 14 51 08.0–1.1	36.23N	141.57E	29	4.9b,4.3W		
JMA	XII	20 14 51 09.4–.10	36.26N	141.42E	55–3	4.2,4.3W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ68.00000°,λ90.00000°. NP2:ϕ_s210.00000°,δ22.00000°,λ91.00000°. M_o4.15000×10^{15}
IDC Error ellipse: s-maj=15.1km s-min=12.9km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=6.1km az=139.6.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.5km az=91.0. Recorded [1 JMA] in Chiba, Ibaraki and Tochigi. Moment Tensor Solution. M_o4.20000×10^{15}
MOS Error ellipse: s-maj=9.7km s-min=6.0km az=126.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(259) Mindanao

ISC	**XII**	**20 15 43 08.4–.15**	**8.93N–.02**	**126.62E–.02**	**70**	**5.1b**	**503**	**2-170**
IDC	XII	20 15 42 58.7–.34	8.88N	126.52E	0	5.0s,5.0		**¶11527746**
MOS	XII	20 15 43 02.3–1.1	8.86N	126.53E	33	5.5b,5.1s		

MAN XII 20 15 43 03 8.94N 126.93E 83 5.8b,5.3s
ISCJB XII 20 15 43 06.5–.15 8.93N–.02 126.64E–.03 68 5.1b,5.3s
BJI XII 20 15 43 06.2 8.93N 126.61E 73 5.4b,5.2s
GCMT XII 20 15 43 06.7–.10 8.89N 126.84E 21–0 5.6W,5.2s
NEIC XII 20 15 43 08.1–.82 8.84N 126.53E 69–7 5.2b,5.2s
DJA XII 20 15 43 09 8.79N 127.08E 28 5.4W,5.2s
ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=9.0km az=66.0.
MOS Error ellipse: s-maj=11.9km s-min=5.0km az=117.9.
MAN Event type fe. INTENSITY II - BISLIG CITY.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=175.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 108 sta. Moment Tensor Solution. s94,c167; s99,c202; Moment tensor: Scale 10^{17}Nm; M_{rr}2.13±.04 $M_{\theta\theta}$0.34±.03; $M_{\phi\phi}$-2.48±.03; $M_{r\theta}$0.44±.06; $M_{\theta\phi}$0.12±.02; $M_{\phi r}$2.25±.09; Best double couple: NP1: ϕ_s165.00000°,δ24.00000°,λ69.00000°. NP2:ϕ_s8.00000°,δ68.00000°,λ99.00000°. Principal axes: T 3.1200,Plg66.0000°,Azm294.0000°; N 0.2700,Plg8.0000°,Azm184.0000° ; P -3.4000,Plg22.0000°,Azm91.0000° $M_0$3.30000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=3.8km az=70.0. Felt [I PIVS] at Bislig.

(135) Near coast of central Chile

ISC XII 20 16 43 09.1–.74 32.44S–.03 72.11W–.04 12–4 4.8b,4.4s 128 1-175
IDC XII 20 16 43 06.6–.50 32.46S 71.97W 0 4.7,4.7 **¶11514975**
ISCJB XII 20 16 43 08.8–.74 32.44S–.03 72.17W–.04 21–5 4.8b,4.4s
BJI XII 20 16 43 08.7 32.40S 71.90W 12 5.2s,5.0
GUC XII 20 16 43 09.4–.79 32.45S 72.13W 30–3 4.8L,5.0
NEIC XII 20 16 43 10.4–.98 32.40S 71.98W 23–6 4.9b,4.8L
ISC Event type fe.
IDC Error ellipse: s-maj=20.1km s-min=14.4km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.6km az=150.3.
GUC Error ellipse: s-maj=1.8km s-min=3.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=3.9km az=79.0. Felt [III] at Puchuncavi and [II] at Quilpue, Santiago and Villa Alemana.

(137) San Juan Province

ISC XII 20 17 07 01.7–.15 31.56S–.02 68.23W–.03 109 5.3b 337 0-178
MOS XII 20 17 06 58.4–.94 31.41S 68.18W 89 5.4b **¶11527749**
BJI XII 20 17 07 00.8 31.04S 68.08W 108 5.3b
ISCJB XII 20 17 07 00.0–.15 31.54S–.02 68.19W–.03 107 5.3b
NEIC XII 20 17 07 01.0–.11 31.58S 68.11W 106 5.5,5.3b
IDC XII 20 17 07 01.6–.29 31.64S 68.19W 109–2 4.9,4.9
GUC XII 20 17 07 02.1–.50 31.56S 68.39W 126–27 5.6L,4.9
GCMT XII 20 17 07 05.7–.20 31.72S 68.14W 123–1 5.2W,4.9
ISC Event type fe.
MOS Error ellipse: s-maj=12.6km s-min=7.1km az=97.5.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=33.8.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.2km az=69.0. Felt [V] at San Juan and [IV] at Mendoza. Also felt at Cordoba.
IDC Error ellipse: s-maj=12.5km s-min=9.2km az=55.0.
GUC Error ellipse: s-maj=1.9km s-min=12.2km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s52,c66; s79,c129; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.91±.21 $M_{\theta\theta}$2.71±.24; $M_{\phi\phi}$4.20±.30; $M_{r\theta}$-1.31±.17; $M_{\theta\phi}$5.76±.22; $M_{\phi r}$3.11±.23; Best double couple: NP1:ϕ_s66.00000°,δ46.00000°,λ-52.00000°. NP2:ϕ_s198.00000°,δ56.00000°,λ-122.00000°. Principal axes: T 9.4000,Plg5.0000° ,Azm310.0000°; N -0.8800,Plg26.0000°,Azm217.0000°; P -8.5300,Plg63.0000° ,Azm51.0000° $M_0$9.00000×10^{16}

(229) Off east coast of Honshu

ISC XII 20 17 37 18.3–.95 36.70N–.02 142.21E–.03 19–5 5.0b,4.9s 512 1-146
NIED XII 20 17 37 00 36.60N 142.30E 17 5.0W,4.9s **¶13403502**
IDC XII 20 17 37 15.3–.51 36.68N 142.23E 0 4.6,4.5b
NEIC XII 20 17 37 16.4–.23 36.61N 142.20E 10 5.2b,5.0W
ISCJB XII 20 17 37 17.6–.83 36.68N–.03 142.20E–.03 25–5 5.0b,4.9s
JMA XII 20 17 37 17.6–.20 36.67N 142.26E 45 5.2,4.9s
SZGRF XII 20 17 37 17.7 35.77N 142.21E 33 5.3b,4.9s
BJI XII 20 17 37 17.5 36.70N 142.11E 30 5.3b,5.0s
MOS XII 20 17 37 19.6–.97 36.83N 142.11E 33 5.4b,4.9s
GCMT XII 20 17 37 25.2–.40 36.71N 142.19E 25 5.1W,4.9s
DJA XII 20 17 37 38 36.56N 138.62E 10 5.1b,4.9s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ77.00000°,λ77.00000°. NP2:ϕ_s236.00000°,δ18.00000°,λ134.00000°. $M_0$4.09000×10^{16}
IDC Error ellipse: s-maj=15.4km s-min=11.4km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.6km az=131.0. Recorded [2 JMA] in Ibaraki and [1 JMA] in Chiba, Fukushima, Gumma, Miyagi, Saitama, Tochigi and Yamagata. Moment Tensor Solution. $M_0$4.10000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.0km az=38.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
SZGRF Off east coast of Honshu, Japan.
MOS Error ellipse: s-maj=8.0km s-min=4.5km az=121.5.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s25,c27; s57,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}2.37±.19 $M_{\theta\theta}$-0.84±.14; $M_{\phi\phi}$-1.53±.13; $M_{r\theta}$1.96±.31; $M_{\theta\phi}$-1.64±.09; $M_{\phi r}$4.70±.27; Best double couple: NP1:ϕ_s237.00000°,δ16.00000°,λ122.00000°. NP2:ϕ_s24.00000°,δ77.00000°,λ82.00000°. Principal axes: T 5.6000,Plg57.0000° ,Azm283.0000°; N 0.2800,Plg8.0000°,Azm26.0000°; P -5.8700,Plg31.0000°,Azm121.0000° $M_0$5.70000×10^{16}

(201) Irian Jaya

ISC XII 20 17 44 46.4–.53 2.71S–.03 139.13E–.03 46–4 5.4b,5.3s 411 1-159
BJI XII 20 17 44 40.3 3.03S 139.33E 38 5.5b,5.4b **¶13813972**
MOS XII 20 17 44 43.4–1.0 2.62S 139.07E 33 5.7b,5.0s
ISCJB XII 20 17 44 44.1–.57 2.73S–.03 139.12E–.03 42–5 5.4b,5.3s
NEIC XII 20 17 44 45.8–.75 2.77S 139.00E 45–7 5.5b,5.5W
DJA XII 20 17 44 46 2.46S 139.19E 36 5.4W,5.5W
GCMT XII 20 17 44 47.8–.10 2.65S 139.01E 31–0 5.5W,5.5W
IDC XII 20 17 44 47.3–2.3 2.70S 139.09E 54–21 5.2s,5.2
ISC Event type se.
MOS Error ellipse: s-maj=10.6km s-min=5.1km az=114.8.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.9km az=42.4.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.6km az=63.0. Felt [III] at Genyem.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=109, comp=203, per= 50. Moment Tensor Solution. s106,c185; s40,c43; Moment tensor: Scale 10^{17}Nm; M_{rr}2.34±.04 $M_{\theta\theta}$-2.20±.03; $M_{\phi\phi}$-0.14±.03; $M_{r\theta}$-0.55±.05; $M_{\theta\phi}$1.15±.02; $M_{\phi r}$-0.34±.06; Best double couple: NP1:ϕ_s128.00000°,δ43.00000°,λ111.00000°. NP2:ϕ_s281.00000°,δ51.00000°,λ72.00000°. Principal axes: T 2.5000,Plg75.0000°,Azm130.0000°; N 0.2400,Plg14.0000°,Azm292.0000° ; P -2.7400,Plg4.0000°,Azm23.0000° $M_0$2.60000×10^{17}
IDC Error ellipse: s-maj=12.9km s-min=8.2km az=83.0.

(460) Wyoming

ISC XII 20 18 05 12.2–.45 43.54N–.04 105.17W–.05 0 43 1-20
IDC XII 20 18 05 07.4–2.8 43.00N 105.14W 0 3.5,3.3L **¶12078366**
ISCJB XII 20 18 05 11.1–.45 43.55N–.04 105.23W–.05 0 3.5,3.3L
NEIC XII 20 18 05 11.2–.93 43.46N 105.05W 0 3.1L,3.3L
ISC Event type fm.
IDC Error ellipse: s-maj=53.1km s-min=8.8km az=157.0.
ISCJB Event type fm. Error ellipse: s-maj=6.6km s-min=5.2km az=156.5.
NEIC Event type fm. Error ellipse: s-maj=12.2km s-min=8.3km az=118.0. 80 km [50 miles] WSW of Newcastle. Suspected Mining explosion.

(229) Off east coast of Honshu

ISC XII 20 19 13 38.8–.79 36.71N–.02 142.10E–.02 11–4 5.2s,5.1b 631 1-146
NIED XII 20 19 13 00 36.70N 142.20E 20 5.4W,5.1b **¶13403511**
IDC XII 20 19 13 36.8–.51 36.63N 142.15E 0 4.9,4.9s
BJI XII 20 19 13 37.1 36.78N 141.85E 9 5.5b,5.4s
JMA XII 20 19 13 37.4–.30 36.70N 142.25E 17 5.4,5.4s
ISCJB XII 20 19 13 38.7–.70 36.65N–.02 142.12E–.03 22–4 5.2s,5.1b
NEIC XII 20 19 13 38.4–.16 36.67N 142.05E 10 5.4W,5.3b
MOS XII 20 19 13 42.3–.90 37.03N 141.99E 33 5.4s,5.4b
GCMT XII 20 19 13 43.9–.20 36.72N 142.23E 21–0 5.4W,5.4b
SZGRF XII 20 19 13 49.2 36.69N 143.13E 33 5.5b,5.4b
DJA XII 20 19 13 56 36.58N 141.40E 127 5.1b,5.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ75.00000°,λ80.00000°. NP2:ϕ_s224.00000°,δ18.00000°,λ122.00000°. $M_0$1.37000×10^{17}
IDC Error ellipse: s-maj=14.7km s-min=12.4km az=124.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.5km az=146.8.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.1km az=143.0. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi; [1 JMA] in Gumma, Miyagi and Yamagata. Moment Tensor Solution. $M_0$1.40000×10^{17}
MOS Error ellipse: s-maj=7.2km s-min=4.3km az=113.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c115; s97,c190; Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.03 $M_{\theta\theta}$-0.24±.02; $M_{\phi\phi}$-0.56±.02; $M_{r\theta}$0.35±.03; $M_{\theta\phi}$-0.44±.01; $M_{\phi r}$1.02±.04; Best double couple: NP1:ϕ_s229.00000°,δ20.00000°,λ115.00000°. NP2:ϕ_s22.00000°,δ72.00000°,λ81.00000°. Principal axes: T 1.3500,Plg62.0000° ,Azm278.0000°; N 0.0200,Plg9.0000°,Azm25.0000°; P -1.3700,Plg26.0000°,Azm119.0000° $M_0$1.40000×10^{17}
SZGRF Off east coast of Honshu, Japan.

(259) Mindanao

MAN XII 20 19 40 45 8.87N 126.89E 6 4.7b,3.6s ¶13759508

MAN Event type fe. INTENSITY I - SURIGAO CITY.

(259) Mindanao

ISC XII 20 20 18 11.2–.90 8.94N–.04 126.80E–.07 54–8 4.0b 70 1-95
IDC XII 20 20 18 04.2–.68 9.02N 126.96E 0 4.0,3.9 **¶12078381**
MAN XII 20 20 18 08 8.90N 126.86E 26 4.9b,3.9s
ISCJB XII 20 20 18 09.6–.91 8.96N–.04 126.83E–.06 58–8 4.0b,3.9s
NEIC XII 20 20 18 12.5–1.6 8.91N 126.71E 68–15 4.6b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=21.4km s-min=12.0km az=90.0.
MAN Event type fe. INTENSITY I - SURIGAO CITY.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=6.4km az=170.1.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=6.5km az=56.0. Felt [I PIVS] at Surigao.

(259) Mindanao

MAN XII 20 20 30 31 8.90N 126.81E 18 4.6b,3.5s ¶13759509

MAN Event type fe. INTENSITY II - SURIGAO CITY.

(124) Chile-Bolivia border region

ISC XII 21 06 48 15.1–.39 22.87S–.03 67.99W–.04 103–3 4.9b 218 0-174
NEIC XII 21 06 48 14.9–.39 22.88S 67.97W 106–3 4.9b **¶11517264**
ISCJB XII 21 06 48 14.0–.41 22.89S–.03 68.00W–.04 109–3 4.9b
GUC XII 21 06 48 16.5–.82 22.82S 68.27W 116–4 5.3L
IDC XII 21 06 48 17.7–.50 22.83S 68.04W 127–4 4.7,4.7
BJI XII 21 06 48 17.9 22.80S 67.90W 103 5.4b,4.7
LDG XII 21 06 48 18.2–.30 21.94S 68.27W 124–0 5.2b,4.1s
GCMT XII 21 06 48 21.8–.20 22.94S 68.34W 142–1 5.2W,4.1s
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=4.8km az=64.0. Felt at Antofagasta.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.1km az=166.4.
GUC Error ellipse: s-maj=4.0km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=13.8km s-min=11.4km az=71.0.
LDG Event type ke. Error ellipse: s-maj=30.6km s-min=16.0km az=149.0.
GCMT Event type se. Data Used: II IU G IC. Surface waves: sta= 79, comp=121, per= 50. Moment Tensor Solution. s45,c58; s99,c193; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.31±.20 $M_{\theta\theta}$-0.43±.23; $M_{\phi\phi}$2.74±.28; $M_{r\theta}$3.52±.13; $M_{\theta\phi}$-0.46±.20; $M_{\phi r}$-6.71±.16; Best double couple: NP1:ϕ_s193.00000°,δ11.00000°,λ-51.00000°. NP2:ϕ_s333.00000°,δ81.00000°,λ-97.00000°. Principal axes: T 8.0900,Plg36.0000°,Azm70.0000°; N -0.1600,Plg7.0000°,Azm334.0000° ; P -7.9300,Plg53.0000°,Azm235.0000° $M_0$8.00000×10^{16}

(228) Near east coast of eastern Honshu

ISC XII 21 08 20 04.6–.67 36.79N–.05 140.70E–.06 83–4 3.3b 36 0-57
ISCJB XII 21 08 20 03.4–.69 36.79N–.06 140.72E–.06 90–4 3.3b **¶12078432**
IDC XII 21 08 20 03.7–3.2 36.76N 140.87E 75–31 3.5,3.3
JMA XII 21 08 20 05.0–.10 36.78N 140.63E 81–1 3.4,3.3
NEIC XII 21 08 20 05.0 36.78N 140.63E 81 3.4,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=6.2km az=143.6.
IDC Error ellipse: s-maj=31.9km s-min=18.7km az=129.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.

(229) Off east coast of Honshu

ISC XII 21 09 16 43.9–.67 36.61N–.02 142.34E–.02 4–4 5.8s,5.5b 1102 1-165
BGS XII 21 09 16 37.3–2.2 34.53N 142.38E 20–0 6.1s,5.6b **¶13403567**
JMA XII 21 09 16 40.6–.20 36.60N 142.47E 0 6.2,5.6b
ISCJB XII 21 09 16 41.7–.61 36.58N–.02 142.37E–.02 0–3 5.8s,5.6b
IDC XII 21 09 16 42.3–.36 36.53N 142.49E 0 5.6,5.6s
BJI XII 21 09 16 43.2 36.66N 142.22E 10 6.2s,6.0
NEIC XII 21 09 16 44.7–.12 36.54N 142.32E 13 5.9W,5.9W
MOS XII 21 09 16 46.0–.95 36.65N 142.39E 33 5.8s,5.8b
SZGRF XII 21 09 16 46.0 37.03N 142.46E 33 6.1s,5.7b
DJA XII 21 09 16 48 36.72N 142.74E 37 6.0W,5.7b
GCMT XII 21 09 16 49.0–.10 36.63N 142.41E 12 5.9W,5.7b
NIED XII 21 09 17 00 36.60N 142.50E 5 5.9W,5.7b
ISC Event type fe.
BGS Error ellipse: s-maj=860.5km s-min=999.9km az=-1.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=155.6.
IDC Error ellipse: s-maj=12.3km s-min=9.5km az=92.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=148.0. Felt at Koriyama, Tokyo and Tsukuba. Recorded [3 JMA] in Fukushima; [2 JMA] in Chiba, Ibaraki, Iwate, Miyagi, Saitama, Tochigi and Yamagata; [1 JMA] in Akita, Aomori, Gumma, Niigata and Tokyo. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s340.00000°,δ60.00000°,λ-90.00000°. NP2:ϕ_s160.00000°,δ30.00000°,λ-90.00000°. Principal axes: T Plg15.0000°,Azm70.0000°; N Plg0.0000°,Azm0.0000°; P Plg75.0000° ,Azm250.0000° Moment Tensor Solution. s132 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.69 $M_{\theta\theta}$-3.45 $M_{\phi\phi}$5.14 $M_{r\theta}$1.74 $M_{\theta\phi}$1.37 $M_{\phi r}$-4.56 Best double couple: NP1:ϕ_s232.00000° ,δ39.00000°,λ-14.00000°. NP2:ϕ_s334.00000°,δ81.00000°,λ-128.00000°. Principal axes: T 7.4400,Plg26.0000°,Azm92.0000°; N -1.5400,Plg37.0000°,Azm340.0000° ; P -5.9000,Plg41.0000°,Azm208.0000° $M_0$6.80000×10^{17} Moment Tensor Solution. $M_0$7.70000×10^{17}
MOS Error ellipse: s-maj=7.6km s-min=5.5km az=99.8.
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=107, comp=259, per= 50. Moment Tensor Solution. s90,c183; s76,c98; Moment tensor: Scale 10^{17}Nm; M_{rr}-6.05±.04 $M_{\theta\theta}$-0.83±.05; $M_{\phi\phi}$6.88±.04; $M_{r\theta}$2.05±.13; $M_{\theta\phi}$2.08±.04; $M_{\phi r}$-3.43±.12; Best double couple: NP1:ϕ_s217.00000°,δ38.00000°,λ-53.00000°. NP2:ϕ_s352.00000°,δ61.00000°,λ-116.00000°. Principal axes: T 8.0100,Plg12.0000°,Azm100.0000°; N -0.2000,Plg22.0000°,Azm6.0000° ; P -7.8100,Plg65.0000°,Azm217.0000° $M_0$7.90000×10^{17}
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ61.00000°,λ-114.00000°. NP2:ϕ_s212.00000°,δ37.00000°,λ-54.00000°. $M_0$7.68000×10^{17}

(229) Off east coast of Honshu

ISC XII 21 12 19 21.8–1.1 36.64N–.03 142.24E–.03 11–6 4.7b,4.1s 278 1-146
NIED XII 21 12 19 00 36.60N 142.40E 11 4.6W,4.1s **¶13403575**
JMA XII 21 12 19 18.7–.30 36.61N 142.40E 8–4 4.7,4.1s
IDC XII 21 12 19 19.4–.48 36.51N 142.36E 0 4.5,4.5L
ISCJB XII 21 12 19 20.4–.93 36.61N–.03 142.31E–.03 14–5 4.7b,4.1s
BJI XII 21 12 19 21.3 36.83N 141.98E 10 4.9b,4.8b
NEIC XII 21 12 19 21.3–.26 36.60N 142.34E 10 4.9b,4.6W
MOS XII 21 12 19 25.3–.91 36.98N 142.14E 33 4.8b,4.6W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s340.00000°,δ87.00000°,λ60.00000°. NP2:ϕ_s245.00000°,δ30.00000°,λ174.00000°. $M_0$1.00000×10^{16}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=15.0km s-min=12.3km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.8km az=150.7.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.5km az=152.0. Felt at Motegi. Moment Tensor Solution. $M_0$1.00000×10^{16}
MOS Error ellipse: s-maj=8.3km s-min=5.4km az=116.5.

(98) Trinidad

ISC XII 21 12 55 39.2–.15 10.80N–.01 61.57W–.02 57 4.8b,3.9s 357 0-162
LDG XII 21 12 55 35.1–.63 10.78N 62.00W 55–0 4.8b,3.8s **¶13403578**
ISCJB XII 21 12 55 37.1–.15 10.79N–.01 61.59W–.02 55 4.8b,3.9s
FUNV XII 21 12 55 38.3 10.77N 61.32W 35 4.8W,3.9s
NEIC XII 21 12 55 38.7–.19 10.82N 61.66W 54 4.9b,4.3
TRN XII 21 12 55 39.2 10.84N 61.41W 25 5.7,4.3
BJI XII 21 12 55 39.2 10.80N 61.60W 81 5.2s,5.1b
IDC XII 21 12 55 39.2–1.6 10.92N 61.70W 56–14 4.4,4.4
ISC Event type fe.

LDG Event type ke. Error ellipse: s-maj=50.5km s-min=11.9km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=27.6.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.9km az=212.0. Felt [III] at Arima, Chaguanas, Couva, Mucurapo, Port-of-Spain, Saint Joseph, San Juan, Tacarigua and Tunapuna; [II] at San Fernando. Also felt at Arouca, Cocorite, Princes Town, Saint Augustine and Tabaquite.
TRN Event type fe. Felt mainly in Port of Spain and environ s, III and IV.
IDC Error ellipse: s-maj=11.8km s-min=8.3km az=101.0.

(706) Northern Sumatera

ISC	**XII**	**21 13 47 52.5–.11**	**4.84N–.02**	**95.07E–.02**	**56**	**5.5b,5.0s**	**876**	**1-172**
SZGRF	XII	21 13 47 14.8	1.31S	97.22E	33	5.7b,4.8s		**¶11517280**
BJI	XII	21 13 47 48.5	4.60N	94.86E	63	5.6b,5.5b		
MOS	XII	21 13 47 48.7–.83	4.92N	95.12E	36	5.8b,4.8s		
ISCJB	XII	21 13 47 50.5–.11	4.83N–.02	95.07E–.02	54	5.5b,5.0s		
NEIC	XII	21 13 47 52.4–.74	4.83N	95.04E	56–6	5.6b,5.3W		
IDC	XII	21 13 47 52.1–1.5	4.86N	95.10E	52–12	5.2b,5.2		
DJA	XII	21 13 47 53.8–.40	5N–3.0	95E–4.0	47–3	5.7b,5.6b		
GCMT	XII	21 13 47 53.7–.10	4.55N	94.95E	51–0	5.4W,5.6b		
TEH	XII	21 13 47 54.0	4.85N	95.09E	68	5.4W,5.6b		

ISC Event type fe.
SZGRF Southwest of Sumatera, Indonesia.
MOS Error ellipse: s-maj=7.4km s-min=3.8km az=118.8.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=35.9.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=2.9km az=221.0. Felt [III] at Banda Aceh. Moment Tension Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s16.00000°,δ34.00000°,λ149.00000°. NP2:ϕ_s132.00000°,δ73.00000°,λ60.00000°. Principal axes: T 1.1300,Plg52.0000° ,Azm6.0000°; N -0.0500,Plg28.0000°,Azm141.0000°; P -1.0800,Plg22.0000°,Azm244.0000° $M_0$1.10000×10^{17}
IDC Error ellipse: s-maj=11.6km s-min=8.0km az=47.0.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta= 83, comp=170, per= 50. Moment Tensor Solution. s88,c158; s12,c12; Moment tensor: Scale 10^{17}Nm; M_{rr}1.18±.03 $M_{\theta\theta}$-0.71±.02; $M_{\phi\phi}$-0.47±.02; $M_{r\theta}$0.73±.02; $M_{\theta\phi}$0.69±.02; $M_{\phi r}$-0.59±.02; Best double couple: NP1:ϕ_s311.00000°,δ26.00000°,λ92.00000°. NP2:ϕ_s129.00000°,δ64.00000°,λ89.00000°. Principal axes: T 1.5000,Plg71.0000°,Azm37.0000°; N 0.1100,Plg1.0000°,Azm130.0000° ; P -1.6000,Plg19.0000°,Azm220.0000° $M_0$1.60000×10^{17}

(109) Near coast of northern Peru

ISC	**XII**	**21 15 49 17.7–1.9**	**5.44S–.07**	**81.3W–.10**	**68–17**	**3.9b**	**40**	**3-153**
IDC	XII	21 15 49 13.1–.75	5.47S	81.43W	28–4	4.0,4.0		**¶11517286**
BJI	XII	21 15 49 14.2	5.50S	81.10W	31	5.1b,5.0s		
ISCJB	XII	21 15 49 16.7–2.1	5.39S–.07	81.3W–.10	72–19	3.9b,5.0s		
NEIC	XII	21 15 49 18.2–1.6	5.47S	81.24W	75–13	4.4b,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=34.2km s-min=16.2km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=22.5km s-min=9.9km az=161.2.
NEIC Event type fe. Error ellipse: s-maj=23.2km s-min=8.0km az=54.0. Felt at Paita, Piura and Querecotillo.

(39) Central California

ISC	**XII**	**21 17 35 36.4–.69**	**36.67N–.05**	**121.36W–.07**	**11–5**	**3.7b,3.4s**	**37**	**0-96**
BJI	XII	21 17 35 33.0	36.70N	121.30W	10	5.2b,5.0b		**¶11517291**
ISCJB	XII	21 17 35 35.5–.82	36.63N–.05	121.43W–.07	17–6	3.7b,3.4s		
NEIC	XII	21 17 35 36.6	36.68N	121.30W	7	4.0W,3.4s		
IDC	XII	21 17 35 37.9–1.7	36.54N	121.00W	0	3.7,3.6b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=5.7km az=138.1.
NEIC Event type fe. Felt [III] at Castroville and Hollister; [II] at Aptos, Aromas, Ben Lomond, Boulder Creek, Campbell, Capitola, Carmel, Carmel Valley, Felton, Gilroy, Half Moon Bay, Los Gatos, Marina, Monterey, Morgan Hill, Mountain View, Salinas, San Francisco, San Jose, San Juan Bautista, San Mateo, Santa Clara, Santa Cruz, Scotts Valley, Seaside, Soledad, Soquel, Spreckels, Sunnyvale and Watsonville. Also felt at Alviso, Auburn, Carmel by the Sea, Chualar, Cupertino, Fremont, La Honda, Milpitas, Montague, Moss Landing, Mount Hermon, Oakland, Palo Alto, Pebble Beach, Redwood City, San Martin, Saratoga and Tres Pinos. After NCEDC. Moment Tensor Solution. $M_0$1.30000×10^{15}
IDC Error ellipse: s-maj=27.0km s-min=18.7km az=158.0.

(39) Central California

NEIC	**XII**	**21 20 09 33.2**	**36.68N**	**121.30W**	**6**	**3.6W**		**¶11517301**

NEIC Event type fe. Felt at Hollister and Salinas. After NCEDC. Moment Tensor Solution. $M_0$2.90000×10^{14}

(383) Northwestern Balkan Peninsula

ISC	**XII**	**21 20 20 19.5–.57**	**43.89N–.01**	**17.21E–.01**	**23–5**	**3.9b,3.8s**	**776**	**1-73**
MOS	XII	21 20 20 16.6–.96	43.80N	17.10E	27	4.3b,3.8s		**¶11517302**
IDC	XII	21 20 20 16.3–.63	43.96N	17.35E	0	4.0,3.9b		
NEIC	XII	21 20 20 16.6–.35	43.88N	17.15E	5	4.3b,3.9W		
PDG	XII	21 20 20 16.4–1.5	43.94N	17.25E	0–11	4.2L,4.2		
LDG	XII	21 20 20 17.2–.07	43.93N	17.34E	10–0	4.1L,4.2		
BEO	XII	21 20 20 18.6–.49	44.06N	17.22E	9–2	4.3L,4.2		
PRU	XII	21 20 20 18.6	43.99N	17.16E	0	4.3,4.2		
CSEM	XII	21 20 20 19.3–.09	43.91N	17.23E	20	4.2b,4.0s		
VIE	XII	21 20 20 20.5–.35	44.10N	17.32E	10–0	4.0L,4.0s		
STR	XII	21 20 20 27.1–.66	44.15N	16.39E	10–0	5.1L,4.0s		

ISC Event type fe.
MOS Error ellipse: s-maj=4.5km s-min=3.6km az=107.9.
IDC Error ellipse: s-maj=11.8km s-min=8.9km az=61.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.0km az=180.0. Felt at Kakanj. Moment Tensor Solution. $M_0$9.40000×10^{14}
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.7km az=0.0.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=20.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=24.0.
VIE Error ellipse: s-maj=3.1km s-min=2.9km az=26.0. 92 km WNW of Sarajevo .
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(710) Pakistan

ISC	**XII**	**21 22 38 34.2–.14**	**36.11N–.02**	**71.47E–.02**	**112**	**4.7b**	**494**	**2-150**
NEIC	XII	21 22 38 29.9–.73	35.96N	71.41E	74–7	5.0b		**¶13403609**
MOS	XII	21 22 38 30.9–.82	36.11N	71.33E	94	4.8b		
ISCJB	XII	21 22 38 32.2–.14	36.10N–.02	71.49E–.02	110	4.7b		
TEH	XII	21 22 38 34.0	36.17N	71.41E	103	4.7b		
DJA	XII	21 22 38 34	36.11N	71.36E	97	5.1b		
IDC	XII	21 22 38 34.8–.38	36.11N	71.33E	116–2	4.3,4.3		
GCMT	XII	21 22 38 35.2–.30	36.02N	71.41E	101–2	5.0W,4.3		
NNC	XII	21 22 38 38.9–5.0	36.56N	71.13E	116–55	5.4,4.6b		
SZGRF	XII	21 22 39 05.0	37.13N	70.86E	61	4.9b,4.6b		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=3.9km az=223.0. Felt at Chitral, Dir, Gilgit, Swat and Topi.
MOS Error ellipse: s-maj=6.9km s-min=4.7km az=100.1.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.4km az=170.6.
IDC Error ellipse: s-maj=10.9km s-min=7.6km az=11.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s42,c49; s72,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}2.54±.09 $M_{\theta\theta}$-0.38±.12; $M_{\phi\phi}$-2.16±.11; $M_{r\theta}$-1.04±.08; $M_{\theta\phi}$-2.11±.11; $M_{\phi r}$0.56±.09; Best double couple: NP1:ϕ_s8.00000°,δ51.00000°,λ52.00000°. NP2:ϕ_s239.00000°,δ53.00000°,λ127.00000°. Principal axes: T 3.1800,Plg61.0000° ,Azm212.0000°; N 0.3800,Plg29.0000°,Azm34.0000°; P -3.5600,Plg1.0000°,Azm304.0000° $M_0$3.40000×10^{16}
NNC Error ellipse: s-maj=47.1km s-min=26.5km az=34.0.
SZGRF Afghanistan-Tajikistan border region.

(135) Near coast of central Chile

ISC	**XII**	**22 10 25 49.6–.94**	**32.54S–.03**	**72.01W–.05**	**11–5**	**4.3b,3.7s**	**81**	**1-165**
IDC	XII	22 10 25 47.5–.57	32.53S	71.97W	0	4.4b,4.4		**¶12078542**
ISCJB	XII	22 10 25 48.8–1.1	32.55S–.03	72.10W–.06	18–7	4.3b,3.7s		
GUC	XII	22 10 25 50.5–1.1	32.54S	71.98W	12–11	4.4,4.3L		
NEIC	XII	22 10 25 50.5	32.54S	71.98W	12	4.3b,4.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=16.0km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.4km az=159.6.
GUC Error ellipse: s-maj=2.5km s-min=11.3km az=-1.0.
NEIC Event type fe. Felt [II] at Santiago and Valparaiso. After GUC.

(221) Kuril Islands

JMA	**XII**	**22 11 16 15.3–.10**	**43.20N**	**146.09E**	**45–1**	**3.5**		**¶15519113**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

(227) Eastern Honshu

JMA	**XII**	**22 13 02 33.0–.10**	**37.17N**	**140.75E**	**96–1**	**3.7**		**¶15519138**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s202.00000°,δ86.00000°,λ-114.00000°. NP2: ϕ_s104.00000°,δ24.00000°,λ-9.00000°. Principal axes: T Plg37.0000°,Azm313.0000° ; N Plg24.0000°,Azm204.0000°; P Plg44.0000°,Azm89.0000°

(232) Western Honshu

JMA	**XII**	**22 13 24 25.4**	**35.32N**	**133.31E**	**8–1**	**3.6**		
NIED	XII	22 13 24 00	35.30N	133.30E	5	3.4W		**¶11517526**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ68.00000°,λ-37.00000°. NP2:ϕ_s251.00000°,δ56.00000°,λ-153.00000°. $M_0$1.51000×10^{14}

(124) Chile-Bolivia border region

ISC	**XII**	**22 13 40 58.3–.55**	**22.39S–.05**	**67.87W–.07**	**132–7**	**3.9b**	**54**	**1-146**
IDC	XII	22 13 40 55.8–3.0	22.36S	67.93W	104–28	3.9b,3.9		**¶12078569**
ISCJB	XII	22 13 40 57.4–.55	22.38S–.05	67.90W–.07	140–7	3.9b,3.9		
NEIC	XII	22 13 40 57.9–.64	22.47S	67.82W	127–8	4.5b,3.9		
GUC	XII	22 13 40 58.7–.69	22.40S	68.22W	159–9	4.2L,3.9		

ISC Event type fe.
IDC Error ellipse: s-maj=30.7km s-min=21.1km az=100.0.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=7.2km az=13.7.
NEIC Event type fe. Error ellipse: s-maj=12.7km s-min=10.3km az=115.0. Felt at Calama, Chile.
GUC Error ellipse: s-maj=5.3km s-min=9.1km az=-1.0.

(460) Wyoming

ISC	**XII**	**22 23 24 48.9–.20**	**44.49N–.01**	**105.54W–.02**	**0**		**133**	**0-11**
ISCJB	XII	22 23 24 48.5–.20	44.48N–.01	105.53W–.02	0			**¶12078605**
NEIC	XII	22 23 24 49.7–.57	44.50N	105.44W	0	2.8L		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.0km s-min=1.6km az=0.6.
NEIC Event type fm. Error ellipse: s-maj=8.4km s-min=6.4km az=209.0. 25 km [15 miles] NNE of Gillette. Suspected Mining explosion.

(244) Taiwan

ISC	**XII**	**23 00 04 44.7–.24**	**22.92N–.01**	**120.55E–.01**	**19–1**	**5.2b,4.7s**	**678**	**0-176**
NIED	XII	23 00 04 00	22.80N	120.50E	32	5.1W,4.7s		**¶13403677**
IDC	XII	23 00 04 40.8–.37	22.91N	120.72E	0	4.8,4.8		
TAP	XII	23 00 04 43.8	22.95N	120.55E	17–0	5.3L,4.8		
BJI	XII	23 00 04 43.5	23.02N	120.50E	17	5.2L,5.1s		
MOS	XII	23 00 04 44.3–.88	22.90N	120.71E	33	5.4b,4.7s		
ISCJB	XII	23 00 04 44.3–.20	22.89N–.01	120.54E–.01	29–1	5.2b,4.7s		
GCMT	XII	23 00 04 44.8–.30	22.85N	120.42E	24–1	5.1W,4.7s		
JMA	XII	23 00 04 44.4–.30	22.79N	120.53E	87	5.4,4.7s		
NEIC	XII	23 00 04 45.6	22.95N	120.57E	11	5.6L,5.4b		
DJA	XII	23 00 04 51	23.07N	120.83E	91	5.5b,5.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s196.00000°,δ76.00000°,λ147.00000°. NP2:ϕ_s294.00000°,δ59.00000°,λ16.00000°. $M_0$5.09000×10^{16}
IDC Error ellipse: s-maj=14.5km s-min=9.2km az=72.0.
TAP B.
MOS Error ellipse: s-maj=7.6km s-min=4.6km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.9km az=29.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 78, comp=111, per= 50. Moment Tensor Solution. s45,c53; s3,c3; Moment tensor: Scale 10^{16}Nm; M_{rr}3.62±.22 $M_{\theta\theta}$-0.31±.12; $M_{\phi\phi}$-3.31±.14; $M_{r\theta}$0.60±.15; $M_{\theta\phi}$1.66±.07; $M_{\phi r}$-2.97±.18; Best double couple: NP1:ϕ_s327.00000°,δ27.00000°,λ74.00000°. NP2:ϕ_s164.00000°,δ64.00000°,λ98.00000°. Principal axes: T 4.7200,Plg70.0000°,Azm91.0000°; N 0.3500,Plg7.0000°,Azm341.0000° ; P -5.0600,Plg19.0000°,Azm248.0000° $M_0$4.90000×10^{16}
JMA Error ellipse: s-maj=5.6km s-min=3.1km az=-1.0.
NEIC Event type fe. Felt [IV] at Kao-hsiung and [III] at T'ai-nan. Also felt at Chang-hua, Chu-pei, Heng-ch'un, Hsin-chu, P'ing-tung and T'ai-chung. Recorded [4 TAP] in Chia-i, Kao-hsiung and P'ing-tung; [3 TAP] in T'ai-nan and T'ai-tung; [2 TAP] in Chang-hua; [1 TAP] in Hua-lien and P'eng-hu. After TAP. Moment Tensor Solution. $M_0$3.20000×10^{16}

(228) Near east coast of eastern Honshu

JMA	**XII**	**23 09 16 08.1–.10**	**38.70N**	**142.25E**	**37–2**	**3.7**		
NIED	XII	23 09 16 00	38.70N	142.20E	68	3.6W		**¶11751798**

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ69.00000°,λ-93.00000°. NP2:ϕ_s58.00000°,δ21.00000°,λ-83.00000°. $M_0$2.92000×10^{14}

(545) Northern Italy

ISC	**XII**	**23 15 24 22.4–.17**	**44.596N–.01**	**10.402E–.01**	**26–1**	**5.2s,5.2b**	**2327**	**0-153**
BGS	XII	23 15 24 16.3–2.0	44.19N	10.37E	25–0	5.2b,5.2b		**¶13403766**
PRU	XII	23 15 24 17.3	44.50N	10.39E	0	5.2,5.2b		
MOS	XII	23 15 24 19.1–.94	44.56N	10.46E	18	5.4b,5.3s		
ZUR	XII	23 15 24 20.5	44.54N	10.37E	12–1	5.4L,5.3s		
ISCJB	XII	23 15 24 21.0–.16	44.591N–.01	10.438E–.01	29–1	5.2s,5.2b		
GEN	XII	23 15 24 20.0	44.62N	10.49E	0	5.2L,5.2b		
BJI	XII	23 15 24 20.0	44.91N	10.39E	19	5.5s,5.4b		
IDC	XII	23 15 24 20.7–2.6	44.55N	10.34E	19–15	5.1,5.1s		
CSEM	XII	23 15 24 20.7–.05	44.59N	10.44E	12	5.5b,5.4W		
BGR	XII	23 15 24 20.4–.71	44.56N	10.37E	10	5.8L,5.4W		
PDG	XII	23 15 24 21.8–.84	44.67N	10.47E	27–1	5.4,5.3L		
ROM	XII	23 15 24 21.7–.08	44.54N	10.35E	23–1	5.2L,5.3L		
STR	XII	23 15 24 21.1–.34	44.63N	10.33E	5–0	5.4L,5.3L		
NEIC	XII	23 15 24 22.5–.10	44.56N	10.41E	28	5.7L,5.4W		
LDG	XII	23 15 24 22.4–.08	44.65N	10.59E	28–0	5.7L,4.8s		
SFS	XII	23 15 24 22.0	44.60N	10.41E	28	5.3L,4.8s		
CRAAG	XII	23 15 24 22.8	44.60N	10.40E		5.4W,4.8s		
BNS	XII	23 15 24 23.5–.42	44.56N	10.27E	29–0	5.1L,4.8s		
LEDBW	XII	23 15 24 26.0–2.5	44.7N–.20	10.5E–.10	10–0	5.5L,4.8s		
GCMT	XII	23 15 24 26.5–.10	44.51N	10.30E	26–0	5.4W,4.8s		
DJA	XII	23 15 24 32	44.42N	10.41E	110	5.0b,4.8s		

ISC Event type fe.
BGS Error ellipse: s-maj=223.8km s-min=265.9km az=-1.0.
MOS Error ellipse: s-maj=3.2km s-min=2.8km az=65.7.
ISCJB Event type fe. Error ellipse: s-maj=1.3km s-min=1.0km az=7.6.
IDC Error ellipse: s-maj=11.0km s-min=9.0km az=118.0.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=10.0.
BGR Event type ke. Error ellipse: s-maj=12.2km s-min=10.0km az=136.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=62.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=201.0. Felt [VI] at Langhirano; [V] at Albinea, Casalgrande, Montechiarugolo, Quattro Castella, Sala Baganza and Sassuolo; [IV] at Bergamo, Bologna, Brescia, Carpi, Castelfranco Emilia, Castelnovo ne'Monti, Como, Correggio, Cremona, Fidenza, Florence, Genoa, La Spezia, Lucca, Mantova, Maranello, Massa, Milan, Modena, Montecchio Emilia, Novara, Padua, Parma, Pavia, Piacenza, Pisa, Pistoia, Reggio nell'Emilia, Reolto, Rovigo, San Giovanni Lupatoto, Sesto San Giovanni, Verona, Viareggio, Vicenza and Visignano; [III] at Ferrara, Livorno, Prato, Trento, Trieste, Treviso, Turin and Venice. Felt in much of Emilia Romagna, Friuli-Venezia Giulia, Liguria, Lombardia, Piemonte, northern Tocscana, Trentino-Alto Adige and Veneto. Also felt in parts of southeastern Switzerland. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-0.24 $M_{r\theta}$-0.21 $M_{\theta\phi}$0.35 $M_{\phi r}$0.06 Best double couple: NP1:ϕ_s294.00000° ,δ51.00000°,λ88.00000°. NP2:ϕ_s117.00000°,δ39.00000°,λ93.00000°. Principal axes: T 1.0800,Plg83.0000°,Azm190.0000°; N -0.0800,Plg1.0000°,Azm295.0000° ; P -1.0100,Plg6.0000°,Azm25.0000° $M_0$1.00000×10^{17} Moment Tensor Solution. $M_0$7.60000×10^{16}
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=32.0.
SFS Event type ke.
BNS Event type ke.
LEDBW Error ellipse: s-maj=68.0km s-min=28.0km az=157.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 91, comp=190, per= 50. Moment Tensor Solution. s82,c139; s13,c13; Moment tensor: Scale 10^{17}Nm; M_{rr}1.21±.03 $M_{\theta\theta}$-1.36±.02; $M_{\phi\phi}$0.14±.02; $M_{r\theta}$1.09±.05; $M_{\theta\phi}$0.64±.02; $M_{\phi r}$-0.28±.05; Best double couple: NP1:ϕ_s297.00000°,δ26.00000°,λ100.00000°. NP2:ϕ_s106.00000°,δ64.00000°,λ85.00000°. Principal axes: T 1.6100,Plg70.0000°,Azm6.0000°; N 0.3700,Plg4.0000°,Azm108.0000° ; P -1.9900,Plg19.0000°,Azm199.0000° $M_0$1.80000×10^{17}

(227) Eastern Honshu

ISC	**XII**	**23 18 37 12.6–.51**	**39.11N–.03**	**140.90E–.04**	**5–5**	**3.5b**	**28**	**0-146**
NIED	XII	23 18 37 00	39.10N	140.90E	8	3.6W		**¶11751813**
IDC	XII	23 18 37 11.0–1.0	39.07N	140.95E	0	3.7,3.5		
ISCJB	XII	23 18 37 12.1–.56	39.12N–.03	140.89E–.04	18–7	3.5b,3.5		

JMA XII 23 18 37 12.4 39.10N 140.86E 11–1 3.6,3.5
NEIC XII 23 18 37 15.5–8.5 39.05N 140.98E 30–63 3.6,3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ63.00000°,λ62.00000°. NP2:ϕ_s50.00000°,δ38.00000°,λ134.00000°. M_o2.83000×10^{14}
IDC Error ellipse: s-maj=34.0km s-min=16.6km az=126.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=5.1km az=179.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s181.00000°,δ68.00000°,λ66.00000°. NP2:ϕ_s51.00000°,δ32.00000°,λ135.00000°. Principal axes: T Plg60.0000°,Azm56.0000°; N Plg22.0000°,Azm191.0000°; P Plg19.0000°,Azm289.0000°
NEIC Event type se. Error ellipse: s-maj=41.0km s-min=16.0km az=102.0.

(230) Near south coast of eastern Honshu

ISC	**XII**	**23 19 56 29.3–.45**	**35.72N–.05**	**139.18E–.06**	**127–3**	**3.8b**	**39**	**0-59**
ISCJB	XII	23 19 56 28.1–.45	35.71N–.05	139.18E–.06	133–3	3.6b		**¶12078713**
NEIC	XII	23 19 56 29.2–1.2	35.70N	139.12E	125–11	4.0b		
IDC	XII	23 19 56 30.1–1.4	35.59N	138.85E	127–18	3.4,3.2b		
JMA	XII	23 19 56 30.3–.10	35.66N	139.21E	117–1	3.4,3.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=7.0km az=144.2.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=13.4km az=120.0.
IDC Error ellipse: s-maj=41.5km s-min=23.9km az=113.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(224) Hokkaido region

JMA	**XII**	**23 20 47 24.9–.10**	**43.81N**	**144.86E**	**9–3**	**3.6**	**¶15519645**

JMA Event type fe.

(134) Off coast of central Chile

ISC	**XII**	**23 20 56 47.1–.93**	**32.35S–.03**	**72.14W–.05**	**12–4**	**3.7b**	**76**	**1-156**
IDC	XII	23 20 56 44.8–1.6	32.34S	72.43W	0	3.8L,3.7		**¶12078721**
ISCJB	XII	23 20 56 46.4–.93	32.35S–.03	72.22W–.06	19–6	3.7b,3.7		
GUC	XII	23 20 56 47.9–.68	32.39S	72.06W	5–2	4.2,4.0L		
NEIC	XII	23 20 56 47.9	32.39S	72.06W	5	4.1b,4.0L		

ISC Event type fe.
IDC Error ellipse: s-maj=42.4km s-min=24.6km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=4.9km az=161.1.
GUC Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
NEIC Event type fe. Felt [II] at La Ligua, Papudo and Puchuncavi. After GUC.

(229) Off east coast of Honshu

ISC	**XII**	**23 20 57 20.8–.86**	**36.47N–.02**	**142.35E–.02**	**7–5**	**5.4s,5.1b**	**759**	**1-151**
NIED	XII	23 20 57 00	36.50N	142.50E	11	5.3W,5.1b		**¶13403800**
DJA	XII	23 20 57 14	37.67N	144.88E	20	5.3b,5.1b		
ISCJB	XII	23 20 57 18.9–.70	36.47N–.02	142.36E–.02	5–4	5.4s,5.1b		
IDC	XII	23 20 57 19.2–.40	36.44N	142.44E	0	5.0,5.0s		
BJI	XII	23 20 57 20.0	36.52N	142.12E	11	5.6s,5.5b		
NEIC	XII	23 20 57 20.2–2.1	36.46N	142.40E	8–12	5.3W,5.2b		
JMA	XII	23 20 57 20.3–.20	36.48N	142.49E	39	5.5,5.2b		
MOS	XII	23 20 57 22.5–1.1	36.37N	142.35E	33	5.3s,5.3b		
GCMT	XII	23 20 57 26.3–.20	36.44N	142.52E	17–0	5.4W,5.3b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ61.00000°,λ91.00000°. NP2:ϕ_s204.00000°,δ29.00000°,λ87.00000°. M_o1.08000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.3km az=172.9.
IDC Error ellipse: s-maj=12.0km s-min=10.4km az=107.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.2km az=129.0. Recorded [2 JMA] in Fukushima and [1 JMA] in Miyagi. Moment Tensor Solution. M_o1.10000×10^{17}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=4.4km az=118.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c108; s99,c204; Moment tensor: Scale 10^{17}Nm; M_{rr}0.96±.03 $M_{\theta\theta}$-0.20±.02; $M_{\phi\phi}$-0.76±.02; $M_{r\theta}$0.52±.05; $M_{\theta\phi}$-0.45±.01; $M_{\phi r}$1.24±.07; Best double couple: NP1:ϕ_s215.00000°,δ18.00000°,λ100.00000°. NP2:ϕ_s24.00000°,δ72.00000°,λ87.00000°. Principal axes: T 1.6400,Plg63.0000°,Azm289.0000°; N 0.0500,Plg3.0000°,Azm25.0000°; P -1.6900,Plg27.0000°,Azm117.0000° M_o1.70000×10^{17}

(545) Northern Italy

ISC	**XII**	**23 21 58 27.2–.19**	**44.596N–.01**	**10.433E–.01**	**23–1**	**5.0b,4.5s**	**2127**	**0-151**
BJI	XII	23 21 58 22.6	44.87N	10.34E	7	5.3b,5.1s		**¶13403807**
BGS	XII	23 21 58 23.8–2.9	44.31N	10.24E	25–0	4.9b,5.1s		
MOS	XII	23 21 58 24.2–.86	44.64N	10.44E	14	5.2b,4.5s		
ISCJB	XII	23 21 58 25.8–.17	44.585N–.01	10.445E–.01	27–1	5.0b,4.5s		
NEIC	XII	23 21 58 25.0	44.52N	10.39E	31	5.3b,5.1L		
STR	XII	23 21 58 25.8–.33	44.61N	10.39E	5–0	4.9L,5.1L		
GEN	XII	23 21 58 25.6	44.56N	10.52E	15	4.5L,5.1L		
BGR	XII	23 21 58 25.9–.70	44.60N	10.39E	10	5.4L,5.1L		
ZUR	XII	23 21 58 25.1	44.52N	10.42E	11–1	5.1L,5.1L		
ROM	XII	23 21 58 26.5–.10	44.53N	10.36E	24–1	4.8L,5.1L		
IDC	XII	23 21 58 26.9–.43	44.53N	10.45E	26–2	4.7,4.6b		
PDG	XII	23 21 58 26.1–1.4	44.63N	10.43E	25–2	5.0L,5.0		
CRAAG	XII	23 21 58 26.9	44.60N	10.40E		4.9W,5.0		
LDG	XII	23 21 58 26.2	44.58N	10.67E	30	4.9W,5.0		
PRU	XII	23 21 58 26.9	44.62N	10.59E	10	5.3,5.0		
CSEM	XII	23 21 58 27.5–.04	44.60N	10.46E	29	5.3b,5.1L		
BNS	XII	23 21 58 28.2–.43	44.58N	10.27E	20	4.9L,5.1L		
GCMT	XII	23 21 58 30.3–.50	44.50N	10.23E	30–1	5.0W,5.1L		

ISC Event type fe.
BGS Error ellipse: s-maj=216.6km s-min=249.6km az=-1.0.
MOS Error ellipse: s-maj=3.0km s-min=2.7km az=92.3.
ISCJB Event type fe. Error ellipse: s-maj=1.4km s-min=1.1km az=5.6.
NEIC Event type fe. Felt [V] at Isola della Scala and Sant'Ilario d'Enza; [IV] at Asola, Avenza, Bergamo, Bogliano, Caldiero, Cariglione delle Stiviere, Castelnovo ne'Monti, Cellatica, Darfo Boario Terme, La Spezia, Marina di Massa, Modena, Montecchio Emilia, Montechiarugolo, Parma, Quattro Castella, Reggio nell'Emillia, Reolto, Sassuolo, Soliera, Torre Boldone, Verona and Vobarno. Felt widely in Emilia Romagna, Liguria, Lombardia, northern Toscana and Trentino-Alto Adige. After ROM.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
BGR Event type ke. Error ellipse: s-maj=13.3km s-min=11.1km az=132.0.
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=72.0.
IDC Error ellipse: s-maj=9.4km s-min=6.6km az=130.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.4km az=0.0.
LDG Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=6.0.
BNS Event type ke.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s26,c31; s51,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}2.54±.22 $M_{\theta\theta}$-2.68±.13; $M_{\phi\phi}$0.14±.15; $M_{r\theta}$1.12±.16; $M_{\theta\phi}$1.40±.12; $M_{\phi r}$-1.37±.23; Best double couple: NP1:ϕ_s273.00000°,δ34.00000°,λ59.00000°. NP2:ϕ_s129.00000°,δ62.00000°,λ109.00000°. Principal axes: T 3.2000,Plg67.0000°,Azm77.0000°; N 0.4600,Plg17.0000°,Azm300.0000°; P -3.6600,Plg14.0000°,Azm205.0000° M_o3.40000×10^{16}

(135) Near coast of central Chile

ISC	**XII**	**23 22 59 16.0–.95**	**32.58S–.03**	**71.99W–.06**	**16–5**	**4.1b**	**73**	**1-156**
IDC	XII	23 22 59 13.1–1.5	32.55S	71.97W	0	4.3b,4.1L		**¶12078746**
ISCJB	XII	23 22 59 15.0–.97	32.58S–.04	72.09W–.06	23–5	4.1b,4.1L		
GUC	XII	23 22 59 17.6–.83	32.62S	71.85W	6–4	4.3L,4.3		
NEIC	XII	23 22 59 17.6	32.62S	71.85W	6	4.3L,3.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=53.8km s-min=23.4km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.9km az=156.6.
GUC Error ellipse: s-maj=2.2km s-min=6.1km az=-1.0.
NEIC Event type fe. Felt [II] at La Ligua, Papudo and Puchuncavi. After GUC.

(545) Northern Italy

ISC	**XII**	**23 23 37 06.7–.22**	**44.641N–.01**	**10.35E–.01**	**22–2**	**4.0b**	**1221**	**0-76**
IDC	XII	23 23 37 03.3–.86	44.61N	10.30E	0	4.1,4.1L		**¶13403813**
MOS	XII	23 23 37 04.2–.89	44.65N	10.34E	17	4.1b,4.1L		
ZUR	XII	23 23 37 04.9	44.59N	10.31E	12–1	4.0L,4.1L		
ISCJB	XII	23 23 37 05.5–.20	44.64N–.01	10.34E–.01	29–2	4.0b,4.1L		
GEN	XII	23 23 37 05.1	44.62N	10.38E	15	3.8L,4.1L		
PRU	XII	23 23 37 05.8	44.72N	10.43E	0	4.1,4.1L		
CSEM	XII	23 23 37 05.5–.05	44.63N	10.36E	12	4.4L,4.1b		
PDG	XII	23 23 37 06.1–.79	44.66N	10.37E	24–1	4.2L,4.1b		
ROM	XII	23 23 37 06.0–.11	44.58N	10.26E	19–2	4.0L,4.1b		
LDG	XII	23 23 37 06.5–.10	44.66N	10.47E	25–0	4.1L,4.1b		
NEIC	XII	23 23 37 06.0	44.57N	10.29E	21	4.1b,4.1L		
STR	XII	23 23 37 07.0–.53	44.72N	10.10E	5–0	4.2L,4.1L		

ISC Event type fe.
IDC Error ellipse: s-maj=17.7km s-min=13.3km az=109.0.
MOS Error ellipse: s-maj=3.5km s-min=2.7km az=102.6.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.3km az=179.3.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=10.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=80.0.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=20.0.
NEIC Event type fe. Felt [IV] at Collecchio and Sala Baganza and [III] at Parma and Reggio nell'Emilia. Also felt at Corregio, Fidenza and Quattro Castella. After ROM.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(135) Near coast of central Chile

ISC	**XII**	**24 03 39 52.3–.57**	**31.84S–.02**	**71.60W–.10**	**57–5**	**4.1b,3.6s**	**66**	**0-155**
IDC	XII	24 03 39 44.5–1.2	31.96S	71.41W	0	4.4L,4.3		**¶12078764**
ISCJB	XII	24 03 39 51.2–.57	31.84S–.02	71.61W–.10	66–5	3.9b,4.3		
NEIC	XII	24 03 39 52.4	31.87S	71.51W	50	4.1b,4.3		
GUC	XII	24 03 39 52.4–.59	31.87S	71.51W	50–2	4.3L,4.3		

ISC Event type fe.
IDC Error ellipse: s-maj=42.2km s-min=34.9km az=160.0.
ISCJB Event type fe. Error ellipse: s-maj=13.6km s-min=3.7km az=175.7.
NEIC Event type fe. Felt [IV] at Canela, Illapel and Salamanca; [III] at Los Vilos; [II] at Cabildo, Papudo and Petorca. After GUC.
GUC Error ellipse: s-maj=1.3km s-min=4.4km az=-1.0.

(224) Hokkaido region

ISC	**XII**	**24 20 32 07.0–.66**	**42.30N–.02**	**144.60E–.03**	**35–4**	**5.0b,4.5s**	**663**	**1-148**
NIED	XII	24 20 32 00	42.30N	144.70E	35	4.9W,4.5s		**¶13403879**
SZGRF	XII	24 20 32 03.7	43.34N	146.98E	33	4.9b,4.5s		
ISCJB	XII	24 20 32 05.3–.33	42.24N–.02	144.62E–.03	37–2	5.0b,4.5s		
JMA	XII	24 20 32 06.1	42.31N	144.72E	32–1	5.0,4.5s		
MOS	XII	24 20 32 06.3–.88	42.36N	144.50E	40	5.3b,4.5s		
SKHL	XII	24 20 32 06.0–1.7	42.23N	144.75E	55–14	5.4s,5.1b		
IDC	XII	24 20 32 07.9–1.7	42.32N	144.61E	44–15	4.5,4.5		
BJI	XII	24 20 32 07.2	42.33N	144.32E	40	5.2b,5.1b		
NEIC	XII	24 20 32 08.5–.54	42.34N	144.53E	47–4	5.2b,4.9W		
TEH	XII	24 20 32 09.0	42.35N	144.39E	48	5.2b,4.9W		
GCMT	XII	24 20 32 09.3–.50	42.09N	144.71E	43–2	4.9W,4.9W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ81.00000°,λ78.00000°. NP2:ϕ_s258.00000°,δ15.00000°,λ143.00000°. M_o2.85000×10^{16}
SZGRF Kuril Islands, Russia.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.6km az=42.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s54.00000°,δ68.00000°,λ81.00000°. NP2:ϕ_s257.00000°,δ24.00000°,λ111.00000°. Principal axes: T Plg66.0000°,Azm308.0000°; N Plg8.0000°,Azm58.0000°; P Plg22.0000°,Azm151.0000°
MOS Error ellipse: s-maj=7.1km s-min=4.1km az=114.0.
IDC Error ellipse: s-maj=13.4km s-min=10.7km az=144.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.4km az=154.0. Recorded [2 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate, Honshu. Moment Tensor Solution. M_o2.90000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s22,c28; s54,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}1.97±.23 $M_{\theta\theta}$-1.62±.14; $M_{\phi\phi}$-0.35±.13; $M_{r\theta}$1.33±.13; $M_{\theta\phi}$-1.03±.08; $M_{\phi r}$0.99±.10; Best double couple: NP1:ϕ_s247.00000°,δ26.00000°,λ100.00000°. NP2:ϕ_s56.00000°,δ64.00000°,λ85.00000°. Principal axes: T 2.5600,Plg70.0000°,Azm316.0000°; N 0.2100,Plg4.0000°,Azm58.0000°; P -2.7700,Plg19.0000°,Azm149.0000° M_o2.70000×10^{16}

(259) Mindanao

ISC	**XII**	**24 23 56 54.1–.44**	**8.48N–.02**	**126.51E–.04**	**84–4**	**4.8b**	**271**	**2-164**
IDC	XII	24 23 56 49.4–1.4	8.58N	126.63E	44–12	4.6,4.6		**¶11518766**
MAN	XII	24 23 56 49	8.44N	126.74E	108	5.6b,4.9s		
ISCJB	XII	24 23 56 52.7–.47	8.49N–.02	126.54E–.04	88–4	4.8b,4.9s		
MOS	XII	24 23 56 52.3–1.2	8.57N	126.46E	81	5.0b,4.9s		
NEIC	XII	24 23 56 54.8–.92	8.41N	126.44E	91–8	5.0b,4.9s		
DJA	XII	24 23 56 54	8.16N	126.65E	10	5.1b,4.9s		
BJI	XII	24 23 56 58.2	9.13N	126.27E	88	4.9b,4.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=18.2km s-min=9.1km az=75.0.
MAN Event type fe. INTENSITY II - BISLIG CITY; BUTUAN CITY.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.4km az=159.9.
MOS Error ellipse: s-maj=12.8km s-min=6.3km az=118.8.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=5.2km az=69.0. Felt [II PIVS] at Bislig and Butuan. Also felt at Davao.

(181) Fiji Islands region

ISC	**XII**	**25 00 10 50.6–1.6**	**18.35S–.03**	**176.76E–.03**	**26–11**	**5.5b,5.2s**	**684**	**1-173**
ISCJB	XII	25 00 10 47.2–1.7	18.34S–.03	176.72E–.03	14–10	5.5b,5.2s		**¶11519111**
NEIC	XII	25 00 10 47.8–.13	18.34S	176.78E	10	5.5b,5.5W		
BJI	XII	25 00 10 48.0	18.12S	177.37E	28	5.4b,5.3s		
MOS	XII	25 00 10 50.2–1.3	18.36S	176.72E	33	5.5b,5.1s		
GCMT	XII	25 00 10 52.2–.10	18.31S	176.71E	12	5.5W,5.1s		
IDC	XII	25 00 10 53.8–2.6	18.39S	176.72E	55–23	5.0,5.0		
DJA	XII	25 00 11 02	18.69S	175.18E	10	5.7b,5.0		

ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.9km az=150.4.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.6km az=141.0. Felt at Nandi. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}0.54 $M_{\theta\theta}$-1.65 $M_{\phi\phi}$1.12 $M_{r\theta}$-0.39 $M_{\theta\phi}$-0.82 $M_{\phi r}$0.93 Best double couple: NP1:ϕ_s294.00000°,δ69.00000°,λ152.00000°. NP2:ϕ_s35.00000°,δ64.00000°,λ23.00000°. Principal axes: T 2.0200,Plg34.0000°,Azm253.0000°; N -0.1300,Plg55.0000°,Azm80.0000°; P -1.8800,Plg3.0000°,Azm345.0000° M_o2.00000×10^{17}
MOS Error ellipse: s-maj=8.4km s-min=7.4km az=137.4.
GCMT Event type se. Data Used: II IU IC G GE CU. Surface waves: sta=101, comp=194, per= 50. Moment Tensor Solution. s83,c149; s37,c40; Moment tensor: Scale 10^{17}Nm; M_{rr}0.16±.03 $M_{\theta\theta}$-2.13±.03; $M_{\phi\phi}$1.96±.03; $M_{r\theta}$0.01±.07; $M_{\theta\phi}$-1.10±.02; $M_{\phi r}$0.42±.07; Best double couple: NP1:ϕ_s300.00000°,δ81.00000°,λ174.00000°. NP2:ϕ_s31.00000°,δ84.00000°,λ9.00000°. Principal axes: T 2.3100,Plg11.0000°,Azm256.0000°; N 0.0900,Plg79.0000°,Azm63.0000°; P -2.4100,Plg2.0000°,Azm166.0000° M_o2.40000×10^{17}
IDC Error ellipse: s-maj=12.1km s-min=11.4km az=170.0.

(311) Sikkim

ISC	**XII**	**25 00 26 34.7–.41**	**27.15N–.03**	**88.65E–.03**	**39–4**	**4.5b,4.1s**	**334**	**0-150**
LDG	XII	25 00 26 30.8–.40	27.55N	88.40E	10–0	4.8b,3.7s		**¶13403904**
DMN	XII	25 00 26 31.6–.44	27.21N	89.04E	60–0	5.7L,3.7s		
IDC	XII	25 00 26 32.8–4.3	27.24N	88.70E	20–27	4.4,4.3		
BJI	XII	25 00 26 32.3	27.38N	88.97E	9	4.7b,4.6b		
MOS	XII	25 00 26 32.4–.80	27.22N	88.63E	33	5.0b,4.6b		
NDI	XII	25 00 26 33.7–4.8	27.15N	88.63E	19–14	4.8L,4.8b		
ISCJB	XII	25 00 26 33.2–.46	27.16N–.03	88.58E–.03	42–4	4.5b,4.1s		
NEIC	XII	25 00 26 36.2–.51	27.24N	88.63E	49–4	4.8b,4.1s		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=20.7km s-min=6.0km az=166.0.
DMN Event type ke. Error ellipse: s-maj=42.9km s-min=8.2km az=12.0.
IDC Error ellipse: s-maj=15.8km s-min=11.8km az=37.0.
MOS Error ellipse: s-maj=10.6km s-min=4.8km az=122.8.
NDI Error ellipse: s-maj=13.7km s-min=15.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=12.2.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.2km az=193.0. Felt at Darjiling, Gangtok and Paro. Also felt at Thimphu, Bhutan.

(545) Northern Italy

ISC	**XII**	**25 03 08 30.4–.21**	**44.609N–.01**	**10.39E–.01**	**26–2**	**4.1b**	**1034**	**0-85**
BJI	XII	25 03 08 24.0	44.39N	10.34E	12	4.9b,4.7b		**¶13403915**
STR	XII	25 03 08 28.6–.45	44.63N	10.39E	5–0	4.4L,4.7b		
PRU	XII	25 03 08 28.3	44.71N	10.38E	0	4.0,4.7b		
MOS	XII	25 03 08 28.7–.92	44.60N	10.41E	28	4.4b,4.7b		
ZUR	XII	25 03 08 28.4	44.55N	10.35E	11–1	4.2L,4.7b		
CSEM	XII	25 03 08 28.6–.06	44.61N	10.42E	10	4.6L,4.0b		
GEN	XII	25 03 08 29.1	44.59N	10.42E	16	3.9L,4.0b		
NEIC	XII	25 03 08 29.0	44.56N	10.33E	29	4.3L,4.2L		
ROM	XII	25 03 08 29.8–.09	44.56N	10.31E	22–1	3.9L,4.2L		
PDG	XII	25 03 08 30.3–.75	44.68N	10.42E	29–1	4.2L,4.2L		
IDC	XII	25 03 08 30.2–3.1	44.57N	10.38E	25–21	4.3L,4.0		

LDG XII 25 03 08 31.0–.07 44.67N 10.53E 30–0 4.3L,4.0
ISC Event type fe.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
MOS Error ellipse: s-maj=4.0km s-min=3.2km az=82.7.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=9.0.
NEIC Event type fe. Felt [IV] at Langhirano, Parma and Reggio nell'Emilia. Also felt at Busana, Felino, Montichiari, Montecchio Emilia, Padova, Sala Baganza and San Polo d'Enza in Caviano. After ROM.
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=61.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
IDC Error ellipse: s-maj=14.6km s-min=9.1km az=114.0.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=34.0.

(259) Mindanao

ISC	**XII**	**25 03 20 29.6–.09**	**5.78N–.01**	**125.52E–.02**	**209**	**5.9b**	**1051**	**1-171**
BJI	XII	25 03 20 25.6	5.50N	125.68E	207	6.2b,6.0b		**¶13814040**
ISCJB	XII	25 03 20 27.8–.09	5.77N–.01	125.52E–.02	207	5.9b,6.0b		
NEIC	XII	25 03 20 29.4–.11	5.75N	125.38E	206	6.3W,6.3W		
IDC	XII	25 03 20 29.5–.30	5.72N	125.46E	206–2	5.6,5.6		
MAN	XII	25 03 20 29	5.72N	125.63E	196	6.4b,6.3s		
DJA	XII	25 03 20 30	5.74N	125.66E	211	6.4W,6.3s		
GCMT	XII	25 03 20 30.2–.10	5.74N	125.66E	198–0	6.3W,6.3s		
MOS	XII	25 03 20 30.4–.86	5.72N	125.46E	233	6.0b,6.3s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=169.2.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.4km az=64.0. Felt [V PIVS] at General Santos; [IV PIVS] at Banga, Davao, Koronadal, Malita, Surallah and Tagum; [III PIVS] at Alabel, Bislig, Cotabato, Digos, Kidapawan, Makilala and Matalam; [II PIVS] at Kabacan, Nabunturan, Perez, Pikit and Tarragona. Also felt at Mati and Santa Cruz. Felt [III] on Pulau Ternate and at Naha and Tahuna, Pulau Sangihe, Indonesia. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s5.00000°,δ70.00000°,λ90.00000°. NP2:ϕ_s185.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm275.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm95.0000° Moment Tensor Solution. s88 Moment tensor: Scale 10^{18}Nm; M_{rr}1.66 $M_{\theta\phi}$0.04 $M_{\phi\phi}$-1.71 $M_{r\theta}$-0.21 $M_{\theta\theta}$-0.19 M_{er}2.52 Best double couple: NP1:ϕ_s357.00000°,δ73.00000°,λ84.00000°. NP2:ϕ_s196.00000° ,δ18.00000°,λ108.00000°. Principal axes: T 3.0300,Plg61.0000°,Azm258.0000° ; N 0.0200,Plg5.0000°,Azm358.0000°; P -3.0600,Plg28.0000°,Azm91.0000° $M_0$3.00000×10^{18}
IDC Error ellipse: s-maj=6.6km s-min=4.0km az=69.0.
MAN Event type fe. Intensity V - General Santos City Intensity IV - Davao City; Marbel City(Koronadal City); Banga.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 106 sta. Surface waves: sta=127, comp=312, per= 50. Moment Tensor Solution. s122,c309; s99,c181; Moment tensor: Scale 10^{18}Nm; M_{rr}1.45±.02 $M_{\theta\theta}$-0.33±.02; $M_{\phi\phi}$-1.12±.02; $M_{r\theta}$-0.38±.01; $M_{\theta\phi}$-0.71±.02; M_{er}3.12±.02; Best double couple: NP1:ϕ_s228.00000°,δ17.00000°,λ139.00000°. NP2:ϕ_s358.00000°,δ79.00000°,λ77.00000°. Principal axes: T 3.6700,Plg54.0000° ,Azm252.0000°; N -0.4000,Plg13.0000°,Azm1.0000°; P -3.2600,Plg33.0000°,Azm99.0000° $M_0$3.50000×10^{18}
MOS Error ellipse: s-maj=10.8km s-min=6.2km az=106.5.

(25) Vancouver Island region

ISC	**XII**	**25 08 11 59.0–.14**	**49.14N–.02**	**128.61W–.02**	**10**	**5.5s,5.2b**	**711**	**1-159**
PGC	XII	25 08 11 53.4–2.5	48.84N	129.07W	10	5.8W,4.8L		**¶13403933**
BJI	XII	25 08 11 53.6	49.10N	128.60W	10	5.8s,5.5b		
IDC	XII	25 08 11 56.2–.48	49.00N	128.89W	0	5.4,5.4s		
MOS	XII	25 08 11 56.7–1.0	49.12N	128.62W	10	5.6b,5.5s		
ISCJB	XII	25 08 11 57.1–.13	49.09N–.02	128.62W–.02	10	5.5s,5.2b		
NEIC	XII	25 08 11 58.8–.17	49.13N	128.62W	10	5.8W,5.8W		
SZGRF	XII	25 08 11 58.8	49.96N	131.74W	33	5.4b,5.8W		
GCMT	XII	25 08 11 59.8–.10	48.78N	129.06W	12	5.8W,5.8W		

ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 232km west of Tofino, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=13.0km s-min=8.6km az=52.0.
MOS Error ellipse: s-maj=10.3km s-min=4.3km az=122.7.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=44.5.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=1.9km az=46.0. Felt [II] at Vancouver, British Columbia. Also felt at Sechelt and Victoria. Felt at Bremerton, Carnation, Maple Valley and Seattle, Washington. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$-4.51 $M_{\phi\phi}$4.16 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.92 M_{er}-4.00 Best double couple: NP1:ϕ_s225.00000° ,δ64.00000°,λ20.00000°. NP2:ϕ_s125.00000°,δ72.00000°,λ152.00000°. Principal axes: T 6.8000,Plg32.0000°,Azm83.0000°; N -2.1700,Plg57.0000°,Azm274.0000° ; P -4.6300,Plg5.0000°,Azm176.0000° $M_0$6.00000×10^{17} Moment Tensor Solution. $M_0$6.30000×10^{17}
SZGRF Vancouver Island, Canada, region.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=251, per= 50. Moment Tensor Solution. s102,c192; s65,c82; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.77±.05 $M_{\theta\theta}$-6.28±.06; $M_{\phi\phi}$7.05±.06; $M_{r\theta}$-0.34±.15; $M_{\theta\phi}$-0.57±.06; M_{er}0.31±.15; Best double couple: NP1:ϕ_s43.00000°,δ86.00000°,λ-1.00000°. NP2:ϕ_s133.00000°,δ89.00000°,λ-176.00000°. Principal axes: T 7.0900,Plg2.0000°,Azm267.0000°; N -0.7700,Plg86.0000°,Azm143.0000° ; P -6.3200,Plg3.0000°,Azm358.0000° $M_0$6.70000×10^{17}

(229) Off east coast of Honshu

ISC	**XII**	**25 10 43 10.8–.83**	**36.46N–.02**	**142.42E–.02**	**9–5**	**5.1b,5.0s**	**992**	**1-160**
NIED	XII	25 10 43 00	36.50N	142.50E	5	5.3W,5.0s		**¶13403941**
SZGRF	XII	25 10 43 04.8	34.52N	141.39E	33	5.4b,5.0s		
BJI	XII	25 10 43 06.0	36.52N	142.88E	10	5.3s,5.2b		
IDC	XII	25 10 43 09.0–.52	36.38N	142.47E	0	4.9,4.9		
ISCJB	XII	25 10 43 09.2–.73	36.45N–.02	142.43E–.02	8–4	5.1b,5.0s		
JMA	XII	25 10 43 11.5–.20	36.48N	142.46E	69	5.4,5.0s		
NEIC	XII	25 10 43 12.8–1.5	36.40N	142.36E	22–10	5.3W,5.2b		
DJA	XII	25 10 43 13	36.81N	143.15E	36	5.3b,5.2b		
MOS	XII	25 10 43 15.2–.85	36.87N	142.25E	33	5.5b,5.3s		
GCMT	XII	25 10 43 16.0–.10	36.47N	142.54E	12	5.3W,5.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ47.00000°,λ87.00000°. NP2:ϕ_s228.00000°,δ43.00000°,λ93.00000°. $M_0$1.04000×10^{17}
SZGRF Off east coast of Honshu, Japan.
IDC Error ellipse: s-maj=14.7km s-min=13.3km az=159.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.0km az=171.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=154.0. Felt at Ayase. Recorded [1 JMA] in Fukushima and Miyagi. Moment Tensor Solution. $M_0$1.00000×10^{17}
MOS Error ellipse: s-maj=6.6km s-min=4.0km az=107.4.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves from 110 sta. Moment Tensor Solution. s59,c97; s99,c210; Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.01 $M_{\theta\theta}$-0.50±.01; $M_{\phi\phi}$-0.75±.02; $M_{r\theta}$0.28±.04; $M_{\theta\phi}$-0.44±.01; M_{er}0.61±.04; Best double couple: NP1: ϕ_s221.00000°,δ30.00000°,λ98.00000°. NP2:ϕ_s32.00000°,δ60.00000°,λ85.00000°. Principal axes: T 1.4200,Plg75.0000°,Azm288.0000°; N -0.1800,Plg4.0000°,Azm34.0000° ; P -1.2500,Plg15.0000°,Azm125.0000° $M_0$1.30000×10^{17}

(224) Hokkaido region

ISC	**XII**	**25 12 39 32.0–1.0**	**41.96N–.03**	**144.36E–.02**	**27–7**	**4.9b,4.1s**	**777**	**1-156**
NIED	XII	25 12 39 00	41.90N	144.50E	8	4.5W,4.1s		**¶13403948**
IDC	XII	25 12 39 27.0–.42	41.86N	144.46E	0	4.7,4.7		
ISCJB	XII	25 12 39 30.3–.71	41.92N–.03	144.35E–.02	28–4	4.9b,4.1s		
JMA	XII	25 12 39 30.3	41.90N	144.51E	22–1	4.7,4.1s		
BJI	XII	25 12 39 30.2	41.98N	144.31E	25	5.0b,5.0b		
MOS	XII	25 12 39 31.4–.95	41.88N	144.34E	39	5.3b,5.0b		
NEIC	XII	25 12 39 32.1–1.1	41.88N	144.39E	32–7	5.1b,4.4W		
BGS	XII	25 12 39 32.2–2.1	41.35N	142.27E	33–0	5.2b,4.4W		
SZGRF	XII	25 12 39 35.7	42.83N	143.38E	33	5.1b,4.4W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ77.00000°,λ52.00000°. NP2:ϕ_s61.00000°,δ40.00000°,λ160.00000°. $M_0$5.36000×10^{15}
IDC Error ellipse: s-maj=12.4km s-min=10.7km az=128.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.6km az=161.2.
JMA Event type fe.
MOS Error ellipse: s-maj=6.8km s-min=4.4km az=107.8.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=154.0. Recorded [2 JMA] in southeastern Hokkaido. Moment Tensor Solution. $M_0$5.40000×10^{15}
BGS Error ellipse: s-maj=878.4km s-min=999.9km az=-1.0.
SZGRF Hokkaido, Japan, region.

(161) Off west coast of South Island

WEL	**XII**	**25 14 33 53.0–.39**	**45.30S**	**166.78E**	**12**	**4.3L**		
NEIC	XII	25 14 33 54.1	45.37S	166.82E	12	4.3L		**¶13837260**

WEL Event type fe. Error ellipse: s-maj=4.0km s-min=2.1km az=90.0. Felt from Otago to Southland, maximum reported intensity MM 4.
NEIC Event type se. After WEL.

(244) Taiwan

ISC	**XII**	**25 14 44 40.2–.22**	**23.22N–.02**	**121.64E–.02**	**41–3**	**4.0b**	**191**	**0-84**
NIED	XII	25 14 44 00	23.30N	121.70E	47	4.1W		**¶11524493**
ISCJB	XII	25 14 44 39.4–.22	23.22N–.02	121.65E–.02	49–2	4.0b		
NEIC	XII	25 14 44 39.1–.60	23.19N	121.69E	38–5	4.4b		
IDC	XII	25 14 44 40.9–3.4	23.24N	121.77E	55–32	3.9,3.8		
TAP	XII	25 14 44 40.1	23.25N	121.56E	38–0	4.5L,3.8		
JMA	XII	25 14 44 40.3–.20	23.29N	121.67E	91	3.9,3.8		
BJI	XII	25 14 44 43.0	23.72N	121.13E	8	4.1b,3.7b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ73.00000°,λ126.00000°. NP2:ϕ_s315.00000°,δ39.00000°,λ27.00000°. $M_0$1.58000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=43.1.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=6.5km az=112.0. Recorded [3 TAP] in T'ai-tung; [2 TAP] in Hua-lien; [1 TAP] in Chia-i, Kao-hsiung, Nan-t'ou, T'ai-chung and Yun-lin.
IDC Error ellipse: s-maj=19.2km s-min=14.6km az=58.0.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.

(250) Mindoro

ISC	**XII**	**25 15 01 08.0–.48**	**13.38N–.03**	**120.47E–.04**	**40–6**	**4.4b**	**97**	**1-93**
MAN	XII	25 15 01 04	13.37N	120.38E	8	4.8b,3.7s		**¶12078942**
ISCJB	XII	25 15 01 06.8–.46	13.39N–.03	120.45E–.04	46–5	4.4b,3.7s		
IDC	XII	25 15 01 08.0–1.4	13.55N	120.75E	41–14	4.1,3.9		
NEIC	XII	25 15 01 08.2–.93	13.52N	120.68E	46–9	4.6b,3.9		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - PALUAN OCCIDENTAL MINDORO.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.6km az=179.8.
IDC Error ellipse: s-maj=29.2km s-min=11.6km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=4.9km az=56.0. Felt [IV PIVS] at Paluan.

(297) Myanmar-China border region

ISC	**XII**	**25 20 20 47.2–.78**	**23.93N–.03**	**97.63E–.02**	**4–5**	**4.6b,4.3s**	**289**	**5-165**
ISCJB	XII	25 20 20 45.8–.18	23.90N–.03	97.66E–.02	10	4.6b,4.3s		**¶13404006**
BJI	XII	25 20 20 45.7	23.91N	97.74E	10	5.1L,4.8s		
IDC	XII	25 20 20 46.5–.49	24.00N	97.67E	0	4.6L,4.5		
GCMT	XII	25 20 20 49.9–.40	23.97N	97.86E	17–1	4.8W,4.5		
MOS	XII	25 20 20 49.6–1.2	23.91N	97.55E	33	4.9b,4.5		
NEIC	XII	25 20 20 51.6–.27	23.97N	97.57E	35	4.7b,4.5		
DJA	XII	25 20 20 52	24.02N	97.69E	10	5.0b,4.5		

ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=3.7km s-min=2.7km az=9.0.
IDC Error ellipse: s-maj=17.3km s-min=11.4km az=66.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s16,c20; s65,c96; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.39±.11 $M_{\theta\theta}$-0.27±.10; $M_{\phi\phi}$0.66±.10; $M_{r\theta}$0.59±.26; $M_{\theta\phi}$2.16±.09; M_{er}0.48±.24; Best double couple: NP1:ϕ_s353.00000°,δ76.00000°,λ174.00000°. NP2:ϕ_s84.00000°,δ84.00000°,λ14.00000°. Principal axes: T 2.5900,Plg14.0000° ,Azm309.0000°; N -0.5600,Plg75.0000°,Azm106.0000°; P -2.0300,Plg6.0000° ,Azm218.0000° $M_0$2.30000×10^{16}
MOS Error ellipse: s-maj=11.6km s-min=5.2km az=120.8.
NEIC Event type de. Error ellipse: s-maj=8.0km s-min=5.0km az=222.0. Nineteen people injured, 30 houses collapsed and more than 5,400 buildings damaged in Ruili, China.

(545) Northern Italy

ISC	**XII**	**26 01 30 28.7–.26**	**44.56N–.02**	**10.46E–.02**	**27–2**		**340**	**0-39**
IDC	XII	26 01 30 26.3–1.8	44.55N	10.79E	0	3.3,3.2L		**¶11523406**
CSEM	XII	26 01 30 27.6–.11	44.59N	10.48E	15	3.4L,2.8		
ZUR	XII	26 01 30 27.2	44.46N	10.41E	25–4	3.3L,2.8		
LDG	XII	26 01 30 28.8–.14	44.59N	10.55E	20–0	3.3L,2.8		
PRU	XII	26 01 30 28.7	44.60N	10.65E	14	3.6,2.8		
VIE	XII	26 01 30 28.0	44.60N	10.50E	8	3.0L,2.8		
ROM	XII	26 01 30 28.1–.11	44.53N	10.43E	25–2	3.2L,2.8		
NEIC	XII	26 01 30 28.0	44.50N	10.40E	14	3.6b,3.3L		
STR	XII	26 01 30 29.8–.58	44.70N	10.18E	5–0	3.2L,3.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=21.2km s-min=15.0km az=114.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=5.0.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=16.0.
VIE 67 km W of Bologna .
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=56.0.
NEIC Event type fe. Felt at Parma. After ROM.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(372) Cyprus region

ISC	**XII**	**26 07 35 40.3–.60**	**34.69N–.02**	**33.09E–.04**	**2–4**		**97**	**0-8**
HLW	XII	26 07 35 35.5	35.40N	33.02E	31–18	3.3,3.1L		**¶11532460**
ISK	XII	26 07 35 39.2	34.70N	33.06E	7	3.4,3.1L		
ISCJB	XII	26 07 35 39.4–.56	34.67N–.02	33.09E–.04	5–4	3.4,3.1L		
DDA	XII	26 07 35 40.5	34.81N	33.31E	8–3	3.3,3.1L		
CSEM	XII	26 07 35 40.2–.14	34.69N	33.08E	2	3.3W,3.1L		
NIC	XII	26 07 35 41.5–.30	34.74N	33.07E	30	3.7L,3.3W		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.5km az=16.3.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=80.0.
NIC Event type fe. Felt earthquake; Maximum Intensity 3; Felt I = III MM at Limassol. Moment Tensor Solution. $M_0$7.10000×10^{13}

(664) Southeastern China

ISC	**XII**	**26 12 05 45.5–.99**	**25.54N–.03**	**106.81E–.04**	**7–5**	**4.2b**	**83**	**1-86**
ISCJB	XII	26 12 05 43.6–.93	25.52N–.03	106.79E–.04	8–5	4.2b		**¶11527820**
BJI	XII	26 12 05 44.2	25.61N	106.89E	9	4.8b,4.4b		
NEIC	XII	26 12 05 49.5–.31	25.55N	106.77E	35	4.5b,4.4b		
IDC	XII	26 12 05 49.4–5.8	25.59N	106.79E	34–47	4.0,3.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.9km az=40.5.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.9km az=163.0. Felt at Anshun.
IDC Error ellipse: s-maj=21.1km s-min=15.6km az=58.0.

(36) Northern California

ISC	**XII**	**26 12 19 41.8–.21**	**39.88N–.02**	**120.93W–.02**	**10**	**4.2b,3.9s**	**147**	**1-94**
IDC	XII	26 12 19 39.8–1.2	40.08N	120.79W	0	4.4,4.2b		**¶11519281**
ISCJB	XII	26 12 19 40.3–.22	39.91N–.02	120.88W–.03	10	4.2b,3.9s		
NEIC	XII	26 12 19 40.0	39.96N	120.87W	0	4.5b,4.5W		
BJI	XII	26 12 19 40.0	40.00N	120.90W	13	5.2b,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=35.6km s-min=13.7km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.6km az=141.6.
NEIC Event type fe. Felt [III] at Blairsden-Graeagle, Camptonville, Greenville, Janesville, Meadow Valley, Quincy and Taylorsville; [II] at Alta, Auburn, Beckwourth, Berry Creek, Brownsville, Camino, Chester, Chico, Clio, Colfax, Folsom, Forest Ranch, Foresthill, Grass Valley, Magalia, Marysville, Meadow Vista, Milford, Mineral, Nevada City, North San Juan, Oregon House, Oroville, Paradise, Penn Valley, Pollock Pines, Portola, Rancho Cordova, Rough and Ready, Sacramento, Soda Springs, Standish, Strawberry Valley, Susanville, Truckee, Westwood and Yuba City. Felt widely in Butte, El Dorado, Lassen, Nevada, Placer, Plumas, Sacramento, Sierra, Sutter, Tehama and Yuba Counties. Also felt [II] at Reno and Sparks, Nevada. After NCEDC. Moment Tensor Solution. $M_0$6.10000×10^{15}

(250) Mindoro

ISC	**XII**	**26 13 38 15.0–.94**	**13.54N–.03**	**121.00E–.03**	**6–6**	**4.5b,3.7s**	**108**	**1-93**
BJI	XII	26 13 38 12.5	12.50N	121.10E	60	4.9b,4.4s		**¶11519286**
IDC	XII	26 13 38 13.8–.60	13.49N	120.73E	0	4.3,4.2		
MAN	XII	26 13 38 14	13.51N	121.07E	4	5.2b,4.5s		
ISCJB	XII	26 13 38 15.6–.84	13.55N–.03	120.97E–.04	22–6	4.5b,3.7s		
NEIC	XII	26 13 38 16.4–1.3	13.58N	121.04E	18–8	4.9b,3.7s		

ISC Event type fe.
IDC Error ellipse: s-maj=21.8km s-min=10.9km az=89.0.
MAN Event type fe. Intensity IV - Calapan City; Naujan.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.4km az=145.3.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=6.1km az=55.0. Felt [IV PIVS] at Calapan and Naujan and [III PIVS] at Puerto Galera. Felt [II PIVS] at Batangas and San Pascual and [I PIVS] at Bauan and Tagaytay, Luzon.

(163) Cook Strait

WEL XII 26 13 55 45.3–.20 40.17S 174.68E 29–2 3.8L
NEIC XII 26 13 55 46.5 40.21S 174.78E 33 3.8L ¶11657204
WEL Event type fe. Error ellipse: s-maj=1.6km s-min=0.6km az=90.0. Felt in the Wanganui region, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
(545) Northern Italy
ISC XII 26 17 05 29.1–.21 44.66N–.02 10.31E–.02 10 245 0-7
ISCJB XII 26 17 05 27.7–.22 44.74N–.02 10.34E–.02 10 ¶11523413
ROM XII 26 17 05 29.5–.17 44.58N 10.28E 22–3 3.1L
CSEM XII 26 17 05 29.6–.13 44.60N 10.35E 20 3.4L
NEIC XII 26 17 05 29.0 44.54N 10.28E 5 3.5L,3.2L
PRU XII 26 17 05 29.9 44.68N 10.62E 4 3.5L,3.2L
LDG XII 26 17 05 30.2–.12 44.67N 10.52E 20–0 3.5L,3.2L
STR XII 26 17 05 40.6–.74 45.06N 8.73E 5–0 2.9L,3.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.2km az=167.8.
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=11.0.
NEIC Event type fe. Felt at Quattro Castella. After ROM.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=5.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
(163) Cook Strait
ISC XII 26 19 49 58.4–.18 40.60S–.02 174.85E–.03 62–3 4.7b 240 0-164
ISCJB XII 26 19 49 57.5–.18 40.59S–.02 174.86E–.04 70–3 4.6b ¶11613290
NEIC XII 26 19 49 59.6 40.55S 174.86E 50 5.1L,4.7b
WEL XII 26 19 49 59.6–.06 40.55S 174.87E 52–1 5.1L,4.7b
IDC XII 26 19 49 59.2–.99 40.71S 174.73E 65–6 4.4,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.8km az=25.9.
NEIC Event type fe. Felt in the southern part of the North Island and the northern part of the South Island. After WEL.
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.4km az=90.0. Felt from Auckland to Canterbury, maximum reported intensity MM 5.
IDC Error ellipse: s-maj=22.8km s-min=15.3km az=122.0.
(115) Near coast of Peru
ISC XII 26 20 52 22.2–1.8 13.53S–.05 76.7W–.10 3–11 4.1b,4.1s 47 2-146
ISCJB XII 26 20 52 20.4–1.8 13.58S–.05 76.7W–.10 2–11 4.1b,4.1s ¶12079097
NEIC XII 26 20 52 22.8–3.2 13.57S 76.70W 9–19 4.3b,4.2L
IDC XII 26 20 52 25.5–3.1 13.47S 76.66W 21–18 4.1,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.7km s-min=6.9km az=160.7.
NEIC Event type fe. Error ellipse: s-maj=15.4km s-min=6.5km az=66.0. Felt [II] at Chincha Alta and Pisco.
IDC Error ellipse: s-maj=30.9km s-min=14.2km az=60.0.
(224) Hokkaido region
ISC XII 27 07 05 45.2–.66 41.75N–.05 143.37E–.08 43–5 3.8b 63 0-71
NIED XII 27 07 05 00 41.80N 143.30E 50 4.0W ¶11751841
ISCJB XII 27 07 05 43.6–.69 41.69N–.05 143.42E–.08 49–5 3.8b
MOS XII 27 07 05 43.2–1.4 41.70N 143.49E 47 4.3b
IDC XII 27 07 05 45.9–.79 41.68N 143.23E 54–6 3.7,3.6
JMA XII 27 07 05 45.6–.10 41.77N 143.33E 41–1 3.7,3.6
NEIC XII 27 07 05 45.6 41.77N 143.33E 41 4.2b,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s150.00000°,δ69.00000°,λ-41.00000°. NP2:ϕ_s257.00000°,δ52.00000°,λ-153.00000°. $M_0$9.61000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.2km s-min=5.7km az=37.5.
MOS Error ellipse: s-maj=16.7km s-min=11.2km az=76.5.
IDC Error ellipse: s-maj=19.4km s-min=15.5km az=123.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type fe. Recorded [1 JMA] in southern Hokkaido. After JMA.
(159) North Island
WEL XII 27 16 41 22.9–.11 39.88S 176.75E 47–2 3.5L
NEIC XII 27 16 41 22.8 39.89S 176.76E 49 3.5L ¶11657236
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.7km az=90.0. Felt from Hawke"s Bay to Wairarapa, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
(365) Aegean Sea
ISC XII 27 20 09 21.0–.27 40.121N–.01 24.06E–.01 8–1 4.4b,4.0s 932 0-120
ISCJB XII 27 20 09 19.8–.32 40.177N–.01 24.07E–.01 9–2 4.4b,4.0s ¶13404181
ATH XII 27 20 09 19.8 40.15N 24.05E 24–1 4.3L,4.0s
BJI XII 27 20 09 19.1 40.44N 23.26E 26 5.3b,5.0s
IDC XII 27 20 09 19.5–.58 40.12N 24.00E 0 4.2,4.1b
PDG XII 27 20 09 20.9–.64 40.11N 24.04E 15–1 4.2L,4.1b
CSEM XII 27 20 09 20.4–.07 40.13N 24.07E 5 4.5b,4.4W
NEIC XII 27 20 09 21.0 40.11N 24.03E 3 4.6L,4.5b
THE XII 27 20 09 21.0 40.11N 24.03E 3–0 4.5L,4.5b
SOF XII 27 20 09 21.0 40.33N 24.07E 5 4.2,4.5b
MOS XII 27 20 09 22.5–1.1 40.19N 24.00E 33 4.6b,4.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.6km az=25.9.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=11.2km s-min=10.7km az=47.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=115.0.
NEIC Event type fe. Felt at Atalanti, Sykia and Thessaloniki, Greece. After THE. Moment Tensor Solution. $M_0$4.60000×10^{15}
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=334.0.
MOS Error ellipse: s-maj=5.2km s-min=3.1km az=95.0.
(459) Yellowstone region
ISC XII 27 20 17 33.7–.28 44.48N–.02 110.33W–.04 10 3.6s 70 0-75
ISCJB XII 27 20 17 32.4–.29 44.49N–.02 110.28W–.04 10 3.6s ¶11519541
NEIC XII 27 20 17 32.0 44.49N 110.36W 4 3.5L,3.2L
IDC XII 27 20 17 34.9–1.1 44.49N 110.34W 0 3.7,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.1km az=176.2.
NEIC Event type fe. Felt in Yellowstone National Park. After SLC.
IDC Error ellipse: s-maj=24.2km s-min=14.6km az=129.0.
(459) Yellowstone region
ISC XII 27 20 26 29.1–.32 44.48N–.02 110.37W–.05 10 54 0-29
NEIC XII 27 20 26 27.0 44.51N 110.36W 2 3.2L,3.1L ¶11519542
ISCJB XII 27 20 26 28.0–.33 44.49N–.02 110.33W–.05 10 3.2L,3.1L
IDC XII 27 20 26 29.6–1.5 44.52N 110.30W 0 3.4,3.3
ISC Event type fe.
NEIC Event type fe. Felt in Yellowstone National Park. After SLC.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.5km az=167.3.
IDC Error ellipse: s-maj=36.9km s-min=17.0km az=137.0.
(28) Washington-Oregon border region
ISC XII 27 23 32 35.5–.79 45.14N–.03 120.89W–.03 13–6 50 1-21
IDC XII 27 23 32 31.6–5.0 45.22N 121.81W 0 3.6,3.3 ¶11519551
ISCJB XII 27 23 32 35.2–.89 45.17N–.03 120.86W–.04 19–10 3.6,3.3
NEIC XII 27 23 32 35.6 45.13N 120.95W 16 3.6,3.3
PNSN XII 27 23 32 35.6 45.13N 120.95W 16 3.6,3.3
ISC Event type fe.
IDC Error ellipse: s-maj=140.4km s-min=27.4km az=84.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.4km az=170.8.
NEIC Event type fe. Felt at The Dalles. Also felt at Dallesport, Washington. After SEA.
PNSN Moment Tensor Solution. NP1:ϕ_s340.00000°,δ80.00000° NP2:ϕ_s246.00000°,δ70.00000° Principal axes: T Plg7.0000°,Azm112.0000°; P Plg21.0000°,Azm205.0000°
(459) Yellowstone region
ISC XII 28 05 15 58.3–.24 44.53N–.02 110.37W–.03 10 3.8b,3.8s 88 0-96
IDC XII 28 05 15 55.2–.87 44.37N 110.39W 0 3.8s,3.7 ¶11521250
ISCJB XII 28 05 15 56.7–.24 44.53N–.02 110.34W–.03 10 3.8b,3.8s
NEIC XII 28 05 15 56.0 44.50N 110.37W 0 4.6b,3.9L
ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=12.2km az=133.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.5km az=158.7.
NEIC Event type fe. Felt [II] in Yellowstone National Park. Also felt [II] at West Yellowstone, Montana. After SLC.
(45) California-Baja California border region
ISC XII 28 05 17 07.5–.43 32.56N–.03 115.52W–.02 15–3 4.4b,3.8s 65 0-102
BJI XII 28 05 17 03.9 32.47N 116.14W 12 5.3b,4.8b ¶11521251
IDC XII 28 05 17 06.0–1.9 32.22N 115.51W 0 4.0,3.9L
NEIC XII 28 05 17 07.0 32.57N 115.54W 10 4.5L,4.5L
ECX XII 28 05 17 08.9–.54 32.57N 115.53W 8–0 4.6W,4.5
ISC Event type fe.
IDC Error ellipse: s-maj=38.4km s-min=10.5km az=39.0.
NEIC Event type fe. Felt [V] at Mexicali. Also felt at Progreso. Felt [II] at San Luis Rio Colorado, Sonora. Felt [IV] at Calexico; [III] at El Centro, Heber, Holtville, Imperial and Lakeside; [II] at Brawley and San Diego, California. Felt in many parts of Orange, Riverside and San Diego Counties. Felt [II] at San Luis and Yuma, Arizona. Also felt at Somerton. After PAS. Moment Tensor Solution. $M_0$3.00000×10^{15}
ECX Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
(228) Near east coast of eastern Honshu
ISC XII 28 05 56 24.3–.95 38.71N–.05 142.29E–.08 42–10 3.5b 40 1-89
ISCJB XII 28 05 56 23.4–.97 38.72N–.05 142.31E–.09 49–9 3.5b ¶12079245
NEIC XII 28 05 56 24.4 38.71N 142.25E 37 4.0
JMA XII 28 05 56 24.4–.10 38.70N 142.25E 37–2 4.0
IDC XII 28 05 56 29.2–3.5 38.53N 142.13E 93–31 3.4,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.2km s-min=5.4km az=27.3.
NEIC Event type fe. Recorded [1 JMA] in Iwate and Miyagi. After JMA.
JMA Event type fe.
IDC Error ellipse: s-maj=29.1km s-min=18.5km az=82.0.
(224) Hokkaido region
JMA XII 28 06 21 38.6–.10 45.21N 141.84E 0 3.6
NIED XII 28 06 21 00 45.30N 141.90E 5 3.7W ¶11521254
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ58.00000°,λ90.00000°. NP2:ϕ_s339.00000°,δ32.00000°,λ90.00000°. $M_0$3.52000×10^{14}
(1) Central Alaska
ISC XII 28 07 13 10.1–.16 62.36N–.02 151.02W–.04 91–2 4.5b 275 0-152
BJI XII 28 07 13 07.0 62.40N 151.10W 89 5.3b,4.9s ¶13404216
ISCJB XII 28 07 13 08.8–.16 62.36N–.02 151.01W–.04 98–2 4.5b,4.9s
MOS XII 28 07 13 08.4–.90 62.38N 151.19W 91 4.8b,4.9s
NEIC XII 28 07 13 10.7 62.35N 151.05W 90 4.7b,4.9s
IDC XII 28 07 13 11.0–.62 62.54N 151.18W 93–4 4.1,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=39.0.
MOS Error ellipse: s-maj=13.2km s-min=6.2km az=96.7.
NEIC Event type fe. Felt [III] at Anchorage, Eagle River, Talkeetna and Trapper Creek and [II] at Wasilla. Also felt at Big Lake, Chugiak, Elmendorf AFB, Fort Richardson, Houston, Palmer, Sutton and Willow. After AEIC.
IDC Error ellipse: s-maj=12.0km s-min=9.4km az=163.0.
(365) Aegean Sea
ISC XII 28 22 58 59.4–.28 40.378N–.01 25.793E–.01 8–2 4.9b,4.8s 1801 0-163
SKO XII 28 22 58 46.3 39.74N 26.72E 0 4.9b,4.8s ¶13404281
THE XII 28 22 58 57.3 40.32N 25.99E 0–1 5.1L,4.8s
PDG XII 28 22 58 58.9–.62 40.40N 25.78E 14–1 4.8,4.7L
BEO XII 28 22 58 58.0–.60 40.50N 26.20E 0–0 5.6L,4.7L
ISCJB XII 28 22 58 58.3–.28 40.417N–.01 25.776E–.01 12–2 4.9b,4.8s
ISK XII 28 22 58 58.3 40.41N 25.81E 9 5.2L,4.8s
BJI XII 28 22 58 58.1 40.25N 25.94E 6 5.2b,5.1s
IDC XII 28 22 58 58.3–.45 40.40N 25.74E 0 4.6,4.6s
NEIC XII 28 22 58 59.0 40.39N 25.78E 35 5.2L,5.1b
ATH XII 28 22 58 59.0 40.39N 25.78E 35–2 4.8L,5.1b
CSEM XII 28 22 58 59.5–.05 40.38N 25.79E 10 5.1b,5.1W
TEH XII 28 22 59 00.0 40.45N 25.75E 12 5.1b,5.1W
MOS XII 28 22 59 00.6–1.1 40.45N 25.79E 33 5.1b,4.7s
DDA XII 28 22 59 01.0 40.33N 26.01E 3–0 5.1L,4.7s
GCMT XII 28 22 59 02.7–.20 40.33N 25.84E 12 5.2W,4.7s
ISC Event type fe.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=99.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.1km az=14.1.
IDC Error ellipse: s-maj=9.4km s-min=8.1km az=70.0.
NEIC Event type fe. Felt [IV] at Canakkale, [III] at Edirne and [II] at Istanbul, Turkey. Also felt at Ayvalik, Balikesir, Bursa, Buyukcekmece, Corlu, Izmir, Kesan, Luleburgaz, Silivri and Uzunkopru. Felt [III] at Alexandroupolis and [II] at Komotini, Greece. Also felt at Kamariotissa, Myrina, Orestias, Sapai, Souflion and Xanthi. Felt [III] at Plovdiv, Bulgaria. Also felt at Khaskovo and Kurdzhali. After ATH. Moment Tensor Solution. $M_0$4.10000×10^{16}
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=16.0.
MOS Error ellipse: s-maj=3.3km s-min=2.3km az=115.3.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 102 sta. Moment Tensor Solution. s55,c80; s99,c186; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.73±.15 $M_{\theta\theta}$4.15±.14; $M_{\phi\phi}$-2.42±.14; $M_{r\theta}$-0.87±.37; $M_{\theta\phi}$-6.76±.11; $M_{\phi r}$-1.10±.36; Best double couple: NP1: ϕ_s346.00000°,δ79.00000°,λ-10.00000°. NP2:ϕ_s78.00000°,δ80.00000°,λ-169.00000°. Principal axes: T 8.3800,Plg1.0000°,Azm212.0000°; N -1.3700,Plg75.0000°,Azm119.0000° ; P -7.0200,Plg15.0000°,Azm302.0000° $M_0$7.70000×10^{16}
(717) Afghanistan-Tajikistan border region
ISC XII 29 03 37 42.1–.07 36.41N–.01 71.09E–.01 159 5.8b 1589 3-171
SZGRF XII 29 03 37 08.2 34.50N 73.50E 158 6.4b ¶13814087
BGS XII 29 03 37 17.9–1.7 33.88N 73.34E 150–0 6.0b
BJI XII 29 03 37 40.5 36.67N 71.11E 147 5.7b,5.5b
ISCJB XII 29 03 37 40.5–.07 36.41N–.01 71.06E–.01 157 5.8b,5.5b
MOS XII 29 03 37 40.7–.87 36.52N 71.07E 155 6.0b,5.5b
NEIC XII 29 03 37 41.0–.11 36.39N 71.08E 151 6.0,5.9b
TEH XII 29 03 37 41.0 36.59N 71.06E 141 6.0,5.9b
IDC XII 29 03 37 42.3–.36 36.40N 71.10E 163–2 5.5,5.5
DJA XII 29 03 37 43 36.54N 71.16E 165 6.0W,5.5
GCMT XII 29 03 37 43.1–.10 36.48N 70.91E 155–0 5.8W,5.5
NNC XII 29 03 37 44.5–7.7 36.85N 70.91E 158–84 6.7,5.7b
ISC Event type se.
SZGRF Pakistan.
BGS Error ellipse: s-maj=401.1km s-min=444.6km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=1.9km s-min=1.3km az=18.1.
MOS Error ellipse: s-maj=5.1km s-min=3.0km az=131.5.
NEIC Event type de. Error ellipse: s-maj=3.8km s-min=2.3km az=23.0. Some buildings damaged slightly in the Mansehra and Shangla areas, Pakistan. Felt at Abbottabad, Chitral, Hazara, Islamabad, Lahore and Rawalpindi. Felt [II] at Bagrami and Kabul, Afghanistan. Also felt at Asadabad, Charikar, Gardiz, Mazar-e Sharif and Konduz. Felt [III] at Dushanbe, Tajikistan. Also felt at Khorugh. Felt at Gilgit, Muzaffarabad and in the Kashmir Valley, Kashmir and at Tashkent, Uzbekistan. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s270.00000°,δ50.00000°,λ90.00000°. NP2:ϕ_s90.00000°,δ40.00000°,λ90.00000°. Principal axes: T Plg85.0000°,Azm180.0000°; N Plg0.0000°,Azm0.0000°; P Plg5.0000° ,Azm360.0000° Moment Tensor Solution. s78 Moment tensor: Scale 10^{17}Nm; M_{rr}4.74 $M_{\theta\theta}$-5.41 $M_{\phi\phi}$0.67 $M_{r\theta}$-2.97 $M_{\theta\phi}$-0.43 $M_{\phi r}$0.38 Best double couple: NP1:ϕ_s272.00000° ,δ60.00000°,λ97.00000°. NP2:ϕ_s79.00000°,δ30.00000°,λ79.00000°. Principal axes: T 5.5900,Plg73.0000°,Azm200.0000°; N 0.6400,Plg6.0000°,Azm88.0000° ; P -6.2300,Plg15.0000°,Azm357.0000° $M_0$5.90000×10^{17}
IDC Error ellipse: s-maj=8.3km s-min=6.6km az=7.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=268, per= 50. Moment Tensor Solution. s111,c217; s37,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}5.52±.05 $M_{\theta\theta}$-5.84±.07; $M_{\phi\phi}$0.32±.07; $M_{r\theta}$-3.45±.06; $M_{\theta\phi}$-0.10±.07; $M_{\phi r}$-0.31±.05; Best double couple: NP1:ϕ_s92.00000°,δ29.00000°,λ94.00000°. NP2:ϕ_s267.00000°,δ61.00000°,λ88.00000°. Principal axes: T 6.5000,Plg74.0000°,Azm171.0000°; N 0.3100,Plg2.0000°,Azm268.0000° ; P -6.8100,Plg16.0000°,Azm358.0000° $M_0$6.70000×10^{17}
NNC Error ellipse: s-maj=65.4km s-min=36.6km az=4.0.
(383) Northwestern Balkan Peninsula
ISC XII 29 04 10 07.5–.25 46.90N–.01 14.26E–.02 0–2 325 0-7
ISCJB XII 29 04 10 06.2–.26 46.93N–.01 14.25E–.02 0–3 ¶11526703
VIE XII 29 04 10 07.3–.11 46.86N 14.28E 9–1 3.1L,2.4b
CSEM XII 29 04 10 07.3–.13 46.89N 14.25E 2 3.3L,2.4b
NEIC XII 29 04 10 07.3 46.86N 14.28E 9 3.0L,2.7L
LJU XII 29 04 10 07.1 46.87N 14.28E 1 2.5L,2.7L
PRU XII 29 04 10 08.2 46.93N 14.35E 0 2.5L,2.7L
BGR XII 29 04 10 09.4–.35 46.89N 14.32E 10 2.6L,2.7L
LDG XII 29 04 10 09.4–.15 46.72N 14.28E 10–0 2.7L,2.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=34.5.

VIE Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=176.0. 2 km SSW of Gurk . felt 4-5 ems98 at Gurk / CARINTHIA.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=119.0.
NEIC Event type se. After VIE.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=5.6km az=169.0.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=33.0.

(224) Hokkaido region

ISC	**XII**	**29 04 34 25.9–.47**	**42.88N–.04**	**143.85E–.05**	**116–3**	**3.6b**	**50**	**0-70**
ISCJB	XII	29 04 34 24.9–.47	42.89N–.04	143.85E–.06	122–3	3.6b		**¶13404306**
NEIC	XII	29 04 34 26.0	42.92N	143.80E	117	3.6		
JMA	XII	29 04 34 25.9–.10	42.92N	143.80E	117–1	3.6		
IDC	XII	29 04 34 26.4–2.2	42.84N	143.75E	123–13	3.5,3.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.8km az=142.3.
NEIC Event type se. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=26.0km s-min=20.5km az=142.0.

(307) Sichuan

ISC	**XII**	**29 06 18 21.9–.70**	**32.30N–.02**	**105.15E–.02**	**4–4**	**4.9b,3.9s**	**404**	**2-174**
ISCJB	XII	29 06 18 20.6–.77	32.27N–.02	105.17E–.02	9–5	4.9b,3.9s		**¶11522240**
IDC	XII	29 06 18 20.9–.48	32.29N	105.12E	0	4.8,4.8		
BJI	XII	29 06 18 21.5	32.31N	105.21E	10	4.9L,4.9b		
NEIC	XII	29 06 18 22.6–.15	32.28N	105.10E	10	5.0b,4.9b		
MOS	XII	29 06 18 24.1–.89	32.27N	105.18E	33	5.2b,4.9b		
DJA	XII	29 06 18 25	32.24N	105.44E	10	5.0b,4.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.2km az=163.5.
IDC Error ellipse: s-maj=15.8km s-min=11.1km az=42.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=3.2km az=181.0. Felt [III] at Chengdu and Mianyang and [II] at Chongqing. Also felt at Heyang.
MOS Error ellipse: s-maj=6.9km s-min=4.4km az=115.8.

(238) Ryukyu Islands

JMA	**XII**	**29 15 58 24.9–.10**	**28.70N**	**129.54E**	**18–2**	**3.6**	
NIED	XII	29 15 58 00	28.70N	129.50E	20	3.6W	**¶11751875**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s281.00000°,δ68.00000°,λ-119.00000°. NP2:ϕ_s157.00000°,δ36.00000°,λ-40.00000°. $M_0$2.65000×10^{14}

(243) Taiwan region

ISC	**XII**	**30 01 31 27.4–.13**	**24.75N–.02**	**122.36E–.01**	**99–1**	**4.5b**	**393**	**0-167**
NIED	XII	30 01 31 00	24.70N	122.40E	107	4.8W		**¶13404376**
MOS	XII	30 01 31 24.6–1.1	24.84N	122.36E	87	4.9b		
BJI	XII	30 01 31 25.7	24.73N	122.39E	95	4.9b,4.7b		
ISCJB	XII	30 01 31 26.4–.13	24.76N–.02	122.36E–.01	104–1	4.5b,4.7b		
TAP	XII	30 01 31 27.9	24.70N	122.34E	95–0	5.1L,4.7b		
IDC	XII	30 01 31 27.7–.65	24.84N	122.46E	104–5	4.2,4.2		
NEIC	XII	30 01 31 27.4–.42	24.75N	122.35E	101–4	4.9b,4.2		
TEH	XII	30 01 31 28.0	24.66N	122.30E	100	4.9b,4.2		
JMA	XII	30 01 31 28.2–.20	24.73N	122.38E	92–2	4.7,4.2		
GCMT	XII	30 01 31 30.5–.40	24.82N	122.25E	98–3	4.9W,4.2		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ77.00000°,λ17.00000°. NP2:ϕ_s81.00000°,δ73.00000°,λ167.00000°. $M_0$1.73000×10^{16}
MOS Error ellipse: s-maj=11.0km s-min=6.2km az=106.5.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=162.2.
TAP B.
IDC Error ellipse: s-maj=10.9km s-min=10.0km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=5.8km az=148.0. Felt at Taipei. Recorded [3 TAP] in I-lan; [2 TAP] in Hua-lien and T'ao-yuan; [1 TAP] in Miao-li, Nan-t'ou and T'ai-pei.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s28,c32; s69,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}1.00±.09 $M_{\theta\theta}$-0.45±.12; $M_{\phi\phi}$-0.56±.13; $M_{r\theta}$1.22±.06; $M_{\theta\phi}$-2.06±.09; $M_{\phi r}$-0.68±.07; Best double couple: NP1:ϕ_s186.00000°,δ58.00000°,λ26.00000°. NP2:ϕ_s82.00000°,δ68.00000°,λ145.00000°. Principal axes: T 2.6700,Plg39.0000° ,Azm41.0000°; N -0.0700,Plg50.0000°,Azm234.0000°; P -2.6000,Plg6.0000°,Azm136.0000° $M_0$2.60000×10^{16}

(259) Mindanao

ISC	**XII**	**30 03 20 56.0–.27**	**5.44N–.02**	**125.81E–.03**	**134–2**	**5.0b**	**414**	**2-170**
BJI	XII	30 03 20 50.1	4.93N	125.89E	133	5.0b,4.9b		**¶13404381**
MAN	XII	30 03 20 54	5.33N	125.67E	112	5.6b,5.0s		
ISCJB	XII	30 03 20 54.9–.28	5.45N–.02	125.81E–.03	139–2	5.0b,5.0s		
GCMT	XII	30 03 20 55.9–.20	5.37N	125.80E	137–1	5.1W,5.0s		
IDC	XII	30 03 20 55.6–.86	5.42N	125.52E	134–7	4.8,4.8		
NEIC	XII	30 03 20 56.6–.67	5.42N	125.71E	141–6	5.2b,4.8		
MOS	XII	30 03 20 56.1–1.3	5.40N	125.63E	152	5.1b,4.8		
DJA	XII	30 03 20 56.4–.30	5N–3.0	126E–2.0	125–3	5.9,5.7b		

ISC Event type fe.
MAN Event type fe. INTENSITY II - BANGA SOUTH COTABATO; TACURONG SULTAN KUDARAT; INTENSITY I - GENERAL SANTOS CITY.
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c65; s87,c132; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.78±.16 $M_{\theta\theta}$1.27±.24; $M_{\phi\phi}$2.51±.29; $M_{r\theta}$2.82±.13; $M_{\theta\phi}$1.97±.18; $M_{\phi r}$3.21±.16; Best double couple: NP1:ϕ_s32.00000°,δ21.00000°,λ-97.00000°. NP2:ϕ_s220.00000°,δ69.00000°,λ-87.00000°. Principal axes: T 5.8400,Plg24.0000° ,Azm308.0000°; N -0.1600,Plg3.0000°,Azm39.0000°; P -5.6900,Plg66.0000°,Azm135.0000° $M_0$5.80000×10^{16}
NEIC Event type fe. Felt [II PIVS] at Banga, Malita and Tacurong; [I PIVS] at Davao, General Santos, Koronadal and Matan-ao.

(162) South Island

WEL	**XII**	**30 11 04 48.8–.12**	**44.40S**	**168.22E**	**5**	**3.9L**	
NEIC	XII	30 11 04 48.9	44.41S	168.22E	5	3.9L	**¶11656059**

WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0. Felt in the Otago region, maximum reported intensity MM 3.
NEIC Event type fe. Felt at Glenorchy. After WEL.

(226) Near west coast of eastern Honshu

ISC	**XII**	**30 14 25 11.8–.38**	**37.37N–.02**	**138.61E–.03**	**16–3**	**3.7b**	**55**	**0-92**
NIED	XII	30 14 25 00	37.40N	138.60E	8	3.8W		**¶11524528**
IDC	XII	30 14 25 09.7–.61	37.45N	138.42E	0	4.0,3.8		
ISCJB	XII	30 14 25 11.5–.33	37.39N–.03	138.60E–.03	26–3	3.7b,3.8		
JMA	XII	30 14 25 12.1–.10	37.39N	138.61E	17–2	3.9,3.8		
NEIC	XII	30 14 25 13.9–1.3	37.29N	138.47E	29–10	3.9,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ50.00000°,λ103.00000°. NP2:ϕ_s11.00000°,δ42.00000°,λ75.00000°. $M_0$5.53000×10^{14}
IDC Error ellipse: s-maj=21.2km s-min=9.0km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.0km az=137.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.9km az=101.0.

(224) Hokkaido region

ISC	**XII**	**30 14 52 16.9–.43**	**42.40N–.04**	**143.92E–.05**	**84–3**	**3.7b**	**67**	**0-85**
NIED	XII	30 14 52 00	42.40N	143.80E	77	3.7W		**¶11751882**
ISCJB	XII	30 14 52 15.8–.44	42.39N–.04	143.91E–.05	91–3	3.7b		
JMA	XII	30 14 52 17.0–.10	42.41N	143.83E	84–2	3.7		
IDC	XII	30 14 52 17.7–2.0	42.37N	143.85E	93–15	3.6,3.5		
NEIC	XII	30 14 52 17.2–.60	42.39N	143.88E	88–5	4.0b,3.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ86.00000°,λ80.00000°. NP2:ϕ_s17.00000°,δ11.00000°,λ159.00000°. $M_0$3.69000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.8km az=139.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=18.7km s-min=16.1km az=113.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.3km az=127.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**30 15 48 33.8–.39**	**35.47N–.03**	**140.79E–.04**	**45–3**	**4.8b,4.1s**	**457**	**0-148**
NIED	XII	30 15 48 00	35.50N	141.10E	32	4.7W,4.1s		**¶15526487**
MOS	XII	30 15 48 30.6–.83	35.38N	140.73E	33	5.0b,4.0s		
JMA	XII	30 15 48 32.5–.10	35.53N	140.94E	43–1	4.7,4.0s		
ISCJB	XII	30 15 48 33.2–.39	35.42N–.03	140.72E–.04	54–3	4.8b,4.1s		
BJI	XII	30 15 48 33.4	35.61N	140.63E	58	5.0b,4.9b		
IDC	XII	30 15 48 33.3–.64	35.40N	140.70E	41–5	4.4,4.4		
NEIC	XII	30 15 48 33.1–.17	35.40N	140.71E	41	5.1b,4.6W		
SZGRF	XII	30 15 48 44.1	35.82N	139.82E	33	4.7b,4.6W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ88.00000°,λ73.00000°. NP2:ϕ_s274.00000°,δ17.00000°,λ174.00000°. $M_0$1.11000×10^{16}
MOS Error ellipse: s-maj=9.7km s-min=4.8km az=116.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s144.00000°,δ63.00000°,λ-79.00000°. NP2: ϕ_s301.00000°,δ29.00000°,λ-110.00000°. Principal axes: T Plg17.0000°,Azm226.0000° ; N Plg10.0000°,Azm319.0000°; P Plg70.0000°,Azm77.0000°
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.9km az=141.8.
IDC Error ellipse: s-maj=12.8km s-min=10.7km az=92.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=4.1km az=121.0. Recorded [2 JMA] in Chiba and Ibaraki; [1 JMA] in Kanagawa and Tochigi. Moment Tensor Solution. $M_0$1.10000×10^{16}
SZGRF Near south coast of eastern Honshu, Japan.

(291) South of Sumbawa

ISC	**XII**	**30 18 09 27.1–.35**	**10.40S–.03**	**118.51E–.02**	**76–3**	**5.1b**	**243**	**2-153**
BJI	XII	30 18 09 16.7	11.10S	118.94E	60	5.1b,5.1b		**¶11524537**
NEIC	XII	30 18 09 24.8–.95	10.25S	118.46E	49–9	5.2b,5.1b		
IDC	XII	30 18 09 24.2–.85	10.13S	118.44E	36–6	4.9L,4.8b		
ISCJB	XII	30 18 09 25.4–.40	10.41S–.03	118.49E–.02	78–3	5.1b,4.8b		
DJA	XII	30 18 09 26.8–.30	10S–3.0	118E–1.0	49–4	5.9,5.7b		

ISC Event type fe.
NEIC Event type fe. Felt [III] at Waingapu.
ISCJB Event type fe.

(116) Central Peru

ISC	**XII**	**30 20 51 33.8–.30**	**8.46S–.04**	**75.49W–.06**	**10**	**4.4b**	**81**	**3-153**
IDC	XII	30 20 51 32.0–.53	8.47S	75.55W	0	4.3,4.2		**¶11524542**
ISCJB	XII	30 20 51 32.1–.30	8.42S–.04	75.45W–.06	10	4.4b,4.2		
NEIC	XII	30 20 51 35.5–.26	8.49S	75.54W	25	4.7b,4.2		

ISC Event type fe.
IDC Error ellipse: s-maj=17.9km s-min=10.8km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.4km az=169.3.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=5.3km az=68.0. Felt at Campoverde and Pucallpa.

(277) Jawa

ISC	**XII**	**31 07 07 02.3–.91**	**8.2S–.20**	**110.0E–.30**	**35**	**3.8b**	**27**	**16-142**
IDC	XII	31 07 06 57.8–1.3	7.95S	110.13E	0	3.9L,3.8		**¶12079634**
ISCJB	XII	31 07 07 00.3–.95	8.0S–.30	110.2E–.30	33	3.8b,3.8		
NEIC	XII	31 07 07 01.9–.88	8.21S	109.97E	35	4.1b,3.8		
DJA	XII	31 07 07 02	8.08S	110.41E	5	4.7,3.8		

ISC Event type fe.
IDC Error ellipse: s-maj=78.6km s-min=14.4km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=54.5km s-min=9.0km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=52.8km s-min=9.4km az=50.0. Felt [III] at Bantul and Gamping.

(226) Near west coast of eastern Honshu

ISC	**XII**	**31 13 54 21.6–.18**	**37.05N–.03**	**137.55E–.04**	**247–1**	**4.2b**	**215**	**0-149**
NIED	XII	31 13 54 00	37.00N	137.50E	250	4.5W		**¶11751887**
MOS	XII	31 13 54 20.3–.99	37.14N	137.54E	250	4.5b		
ISCJB	XII	31 13 54 20.5–.19	37.05N–.03	137.55E–.04	253–2	4.2b		
JMA	XII	31 13 54 21.3–.20	37.01N	137.60E	252–2	4.6		
IDC	XII	31 13 54 21.3–.39	37.03N	137.35E	242–3	3.9,3.9		
NEIC	XII	31 13 54 21.5–.44	37.09N	137.49E	245–4	4.4b,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ65.00000°,λ131.00000°. NP2:ϕ_s353.00000°,δ47.00000°,λ35.00000°. $M_0$6.11000×10^{15}
MOS Error ellipse: s-maj=10.3km s-min=6.9km az=118.5.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.5km az=32.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s224.00000°,δ63.00000°,λ112.00000°. NP2: ϕ_s2.00000°,δ35.00000°,λ54.00000°. Principal axes: T Plg65.0000°,Azm174.0000° ; N Plg20.0000°,Azm34.0000°; P Plg15.0000°,Azm298.0000°
IDC Error ellipse: s-maj=10.0km s-min=7.5km az=83.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=5.7km az=112.0. Recorded [1 JMA] in Fukushima and Ibaraki.

(460) Wyoming

ISC	**XII**	**31 18 01 44.4–.22**	**43.57N–.02**	**105.25W–.02**	**0**		**115**	**0-11**
IDC	XII	31 18 01 42.3–1.9	43.18N	105.09W	0	3.7,3.4		**¶12079682**
NEIC	XII	31 18 01 42.6–.52	43.34N	105.09W	0	3.4L,3.4		
ISCJB	XII	31 18 01 43.5–.23	43.56N–.02	105.25W–.02	0	3.4L,3.4		

ISC Event type fm.
NEIC Event type fm. 70 km [45 miles] NNE of Douglas. Suspected Mining explosion.
ISCJB Event type fm.

(116) Central Peru

ISC	**XII**	**31 21 23 43.7–.70**	**8.80S–.03**	**75.83W–.03**	**35–6**	**4.9b,4.5s**	**403**	**3-169**
ISCJB	XII	31 21 23 41.0–2.0	8.77S–.04	75.90W–.04	30–14	4.9b,4.5s		**¶11525195**
NEIC	XII	31 21 23 42.9–1.2	8.82S	75.87W	32–8	5.0b,4.5s		
IDC	XII	31 21 23 44.7–2.1	8.72S	75.84W	47–23	4.4,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.7km az=140.3.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.4km az=50.0. Felt [III] at Tingo Maria.
IDC Error ellipse: s-maj=22.7km s-min=12.1km az=62.0.

(228) Near east coast of eastern Honshu

ISC	**XII**	**31 21 55 48.3–.59**	**35.96N–.05**	**140.56E–.09**	**31–6**	**3.3b**	**17**	**0-60**
IDC	XII	31 21 55 41.6–2.5	36.15N	141.21E	0	3.4,3.2b		**¶12079704**
ISCJB	XII	31 21 55 47.7–.64	35.96N–.05	140.58E–.08	40–7	3.3b,3.2b		
JMA	XII	31 21 55 48.1	35.92N	140.54E	36–1	3.1,3.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=62.4km s-min=24.7km az=46.0.
ISCJB Event type fe. Error ellipse: s-maj=11.7km s-min=6.0km az=146.9.
JMA Event type fe.

(224) Hokkaido region

ISC	**XII**	**31 23 49 57.4–.29**	**42.11N–.03**	**142.53E–.04**	**67–2**	**4.4b**	**229**	**0-99**
NIED	XII	31 23 49 00	42.10N	142.60E	62	4.2W		**¶11525198**
BJI	XII	31 23 49 54.2	42.08N	142.76E	68	5.0b,4.6b		
ISCJB	XII	31 23 49 56.1–.29	42.09N–.03	142.54E–.04	72–2	4.4b,4.6b		
JMA	XII	31 23 49 56.8–.20	42.09N	142.57E	66–2	4.0,4.6b		
MOS	XII	31 23 49 57.8–1.1	42.16N	142.57E	87	4.7b,4.6b		
NEIC	XII	31 23 49 58.7–.58	42.16N	142.60E	81–5	4.6b,4.2W		
IDC	XII	31 23 49 58.5–1.6	42.14N	142.53E	77–12	4.1,4.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ68.00000°,λ99.00000°. NP2:ϕ_s190.00000°,δ24.00000°,λ69.00000°. $M_0$2.33000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.4km az=142.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=9.0km s-min=6.4km az=92.3.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=4.6km az=130.0. Recorded [2 JMA] in the Tomakomai and Shizunai areas; [1 JMA] in south-central and southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$2.30000×10^{15}
IDC Error ellipse: s-maj=15.2km s-min=10.6km az=118.0.

PROBABLE EXPLOSIONS

(544) Switzerland

ZUR	**VII**	**01 14 26 11.3**	**46.39N**	**6.87E**	**-0–3**	**0.9L**		
CSEM	VII	01 14 26 11.3	46.39N	6.87E	-0	0.9L		¶12063958
ZUR	Event type sm. Suspected Mining explosion.							
CSEM	Event type sm. Suspected Mining explosion. After ZUR.							

(460) Wyoming

ISC	**VII**	**01 18 10 24.2–.43**	**43.78N–.04**	**105.26W–.05**	**0**		**40**	**1-20**
ISCJB	VII	01 18 10 22.5–.44	43.79N–.04	105.27W–.05	0			¶11799190
IDC	VII	01 18 10 23.4–1.6	43.60N	105.33W	0	3.7,3.4L		
NEIC	VII	01 18 10 24.1–.37	43.77N	105.27W	0	3.2L,3.4L		
ISC	Event type fm.							
ISCJB	Event type fm. Error ellipse: s-maj=5.8km s-min=5.4km az=143.7.							
IDC	Error ellipse: s-maj=41.8km s-min=9.7km az=151.0.							
NEIC	Event type fm. Error ellipse: s-maj=5.0km s-min=4.7km az=158.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.							

(547) Czech and Slovak Republics

ISC	**VII**	**01 22 44 40.8–.61**	**59.20N–.03**	**27.34E–.09**	**0**		**59**	**1-24**
ISCJB	VII	01 22 44 39.2–.65	59.12N–.03	27.20E–.10	0			¶11341934
BER	VII	01 22 44 42.5–4.8	59.22N	27.46E	0–21	2.2L		
NAO	VII	01 22 44 44.4–2.1	59.34N	27.33E		2.2L		
IDC	VII	01 22 44 45.0–.97	59.42N	27.22E	0	3.5,3.5b		
CSEM	VII	01 22 44 47.4–.38	59.61N	27.17E	1	3.0L,3.5b		
ISC	Event type ki.							
ISCJB	Event type ki. Error ellipse: s-maj=7.2km s-min=4.0km az=2.6.							
BER	Error ellipse: s-maj=22.7km s-min=43.7km az=-1.0.							
NAO	Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.							
IDC	Error ellipse: s-maj=13.8km s-min=8.1km az=76.0.							
CSEM	Event type ki. Error ellipse: s-maj=12.3km s-min=6.0km az=91.0.							

(548) Poland

ISC	**VII**	**01 23 34 59.8–.57**	**50.27N–.04**	**18.89E–.03**	**0**		**40**	**1-4**
ISCJB	VII	01 23 34 58.1–.59	50.31N–.04	18.86E–.04	0			¶11341937
CSEM	VII	01 23 34 58.8–.33	50.33N	18.89E	1	2.5L		
WAR	VII	01 23 34 58.6	50.24N	18.92E		2.5L		
PRU	VII	01 23 35 00.6	50.26N	18.88E	0	2.5L		
ISC	Event type ki.							
ISCJB	Event type ki. Error ellipse: s-maj=6.6km s-min=2.6km az=19.0.							
CSEM	Event type ki. Error ellipse: s-maj=7.6km s-min=3.0km az=6.0.							
PRU	Event type ki.							

(548) Poland

ISC	**VII**	**02 04 14 45.7–.51**	**51.49N–.03**	**16.13E–.03**	**0**		**87**	**1-5**
CSEM	VII	02 04 14 45.9–.21	51.47N	16.13E	2	3.1L		¶11341941
ISCJB	VII	02 04 14 45.2–.57	51.40N–.03	16.14E–.03	0	3.1L		
IPEC	VII	02 04 14 46.0–.27	51.51N	16.21E	1–1	2.1L		
PRU	VII	02 04 14 47.8	51.41N	16.10E	0	2.1L		
WAR	VII	02 04 14 47.5	51.47N	16.11E		2.7L		
VIE	VII	02 04 14 48.7–.46	51.27N	16.16E	0–0	2.6L,2.3b		
ISC	Event type kr.							
CSEM	Event type ki. Error ellipse: s-maj=3.7km s-min=2.6km az=28.0.							
ISCJB	Event type kr. Error ellipse: s-maj=4.3km s-min=2.4km az=15.6.							
IPEC	Event type ki. Error ellipse: s-maj=1.8km s-min=0.6km az=29.0.							
PRU	Event type ki.							
WAR	Event type kr. Mining Induced.							
VIE	Event type sr. Error ellipse: s-maj=2.9km s-min=2.7km az=152.0. 62 km WNW of Wroclaw . Suspected Mining induced.							

(374) Jordan - Syria region

ISC	**VII**	**02 09 29 15.6–.81**	**33.45N–.03**	**35.58E–.05**	**14–4**		**40**	**0-2**
NSSC	VII	02 09 29 15	33.43N	35.57E	11–3			¶11799253
ISCJB	VII	02 09 29 15.4–.80	33.47N–.03	35.59E–.05	13–5			
NEIC	VII	02 09 29 15.7	33.43N	35.56E	20	3.1L,2.9L		
CSEM	VII	02 09 29 15.1–.24	33.45N	35.56E	12	1.5,2.9L		
GRAL	VII	02 09 29 16.4–.39	33.43N	35.61E	0–71	3.0,2.9L		
ISC	Event type fe.							
NSSC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=7.0km s-min=5.1km az=152.4.							
NEIC	Event type fe. Felt at Srifa, Lebanon. After GRAL.							
CSEM	Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=56.0.							
GRAL	Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.							

(724) Baltic States - Belarus - Northwestern Russia

ISC	**VII**	**02 10 59 41.8–.73**	**61.01N–.03**	**28.84E–.08**	**0**		**58**	**1-9**
HEL	VII	02 10 59 41.7–.20	60.93N	28.99E	0	2.5L,2.0L		¶13538950
ISCJB	VII	02 10 59 41.1–.72	61.07N–.03	28.74E–.08	0	2.5L,2.0L		
NAO	VII	02 10 59 42.2–1.8	60.88N	28.85E		2.5L,2.0L		
CSEM	VII	02 10 59 42.0–.35	61.02N	28.79E	1	2.8L,2.0L		
BER	VII	02 10 59 42.0–3.8	60.90N	28.99E	0–20	2.5L,2.0L		
IDC	VII	02 10 59 43.6–3.1	60.95N	28.74E	0	3.5,3.5		
NEIC	VII	02 10 59 45.8–2.6	61.17N	28.39E	10	2.5L,3.5		
ISC	Event type km.							
HEL	Event type kh. Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0. Explosion.							
ISCJB	Event type km. Error ellipse: s-maj=6.4km s-min=4.2km az=31.2.							
NAO	Error ellipse: s-maj=0.1km s-min=0.0km az=-1.0.							
CSEM	Event type km. Error ellipse: s-maj=7.2km s-min=4.7km az=125.0. Mining explosion.							
BER	Error ellipse: s-maj=16.1km s-min=33.6km az=-1.0.							
IDC	Error ellipse: s-maj=35.7km s-min=14.4km az=135.0.							
NEIC	Event type se. Error ellipse: s-maj=32.6km s-min=10.3km az=143.0.							

(548) Poland

ISC	**VII**	**03 03 38 51.3–.68**	**51.44N–.03**	**16.13E–.03**	**0**		**66**	**1-4**
ISCJB	VII	03 03 38 50.4–.67	51.39N–.03	16.13E–.03	0			¶11341952
CSEM	VII	03 03 38 51.5–.25	51.43N	16.13E	2	2.9L		
IPEC	VII	03 03 38 51.9–.30	51.48N	16.18E	8–1	1.8L		
PRU	VII	03 03 38 52.1	51.42N	16.12E	0	1.8L		
WAR	VII	03 03 38 53	51.46N	16.10E		2.4L		
ISC	Event type kr.							
ISCJB	Event type kr. Error ellipse: s-maj=5.2km s-min=2.8km az=17.8.							
CSEM	Event type ki. Error ellipse: s-maj=4.5km s-min=2.5km az=13.0.							
IPEC	Event type ki. Error ellipse: s-maj=2.0km s-min=0.8km az=33.0.							
PRU	Event type ki.							
WAR	Event type kr. Mining Induced.							

(537) Baltic Sea

ISC	**VII**	**03 05 07 11.8–.60**	**56.13N–.04**	**18.33E–.06**	**0**		**65**	**2-14**
UPP	VII	03 05 07 09.2	55.77N	18.45E	0	1.9L		¶13379247
HEL	VII	03 05 07 09.5–.30	55.88N	18.44E	0	2.6L,2.4L		
ISCJB	VII	03 05 07 10.3–.62	56.19N–.05	18.40E–.07	0	2.6L,2.4L		
IDC	VII	03 05 07 11.3–1.3	56.00N	18.39E	0	3.5L,3.5		
BER	VII	03 05 07 11.5–5.5	55.94N	18.36E	0–46	2.6L,3.5		
CSEM	VII	03 05 07 12.3–.28	56.16N	18.39E	2	2.3L,3.5		
NAO	VII	03 05 07 13.1–3.3	56.14N	18.52E		2.6L,3.5		
ISC	Event type km.							
UPP	Event type sm. Suspected Mining explosion.							
HEL	Event type kh. Error ellipse: s-maj=2.7km s-min=1.6km az=-1.0. Explosion.							
ISCJB	Event type km. Error ellipse: s-maj=7.8km s-min=4.3km az=148.1.							
IDC	Error ellipse: s-maj=16.0km s-min=10.1km az=44.0.							
BER	Error ellipse: s-maj=50.7km s-min=41.2km az=-1.0.							
CSEM	Event type km. Error ellipse: s-maj=6.8km s-min=4.6km az=174.0. Mining explosion.							
NAO	Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.							

(537) Baltic Sea

ISC	**VII**	**03 05 10 30.1–1.0**	**55.82N–.09**	**18.4E–.10**	**0**		**34**	**2-14**
ISCJB	VII	03 05 10 27.5–1.0	55.73N–.09	18.4E–.10	0			¶11810462
CSEM	VII	03 05 10 31.4–.42	55.92N	18.38E	1	2.5L		
UPP	VII	03 05 10 32.8	56.02N	18.24E	0	2.5L		
IDC	VII	03 05 10 33.0–1.3	56.02N	18.43E	0	3.7,3.7		
ISC	Event type km.							
ISCJB	Event type km. Error ellipse: s-maj=12.9km s-min=9.1km az=18.1.							
CSEM	Event type km. Error ellipse: s-maj=10.6km s-min=5.5km az=153.0. Mining explosion.							
UPP	Event type km. Mining explosion.							
IDC	Error ellipse: s-maj=16.8km s-min=10.5km az=46.0.							

(537) Baltic Sea

IDC	**VII**	**03 05 10 49.1–1.5**	**56.03N**	**18.45E**	**0**	**3.6L,3.5**		
BER	VII	03 05 10 48.6–3.1	57.25N	18.30E	7–20	2.5L,3.5		¶13379248
NAO	VII	03 05 10 49.6–2.6	57.50N	18.54E		2.5L,3.5		
IDC	Error ellipse: s-maj=19.7km s-min=11.1km az=44.0.							
BER	Error ellipse: s-maj=24.0km s-min=17.2km az=-1.0.							
NAO	Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.							

(537) Baltic Sea

ISC	**VII**	**03 05 48 26.2–.61**	**56.03N–.04**	**18.45E–.05**	**0**		**65**	**1-14**
HEL	VII	03 05 48 24.4–.40	55.81N	18.33E	0	2.6L,2.6L		¶13379252
ISCJB	VII	03 05 48 25.2–.79	56.10N–.06	18.53E–.07	0	2.6L,2.6L		
BER	VII	03 05 48 26.0–4.1	55.86N	18.33E	0–21	2.6L,2.6L		
CSEM	VII	03 05 48 26.8–.48	56.02N	18.38E	1	2.6L,2.6L		
NAO	VII	03 05 48 27.0–2.8	56.01N	18.47E		2.6L,2.6L		
IDC	VII	03 05 48 28.2–1.3	56.06N	18.50E	0	3.6,3.5L		
UPP	VII	03 05 48 28.5	56.03N	18.00E	0	2.6L,3.5L		
ISC	Event type km.							
HEL	Event type kh. Error ellipse: s-maj=3.1km s-min=1.6km az=-1.0. Explosion.							
ISCJB	Event type km. Error ellipse: s-maj=8.8km s-min=4.9km az=151.5.							
BER	Error ellipse: s-maj=27.2km s-min=21.5km az=-1.0.							
CSEM	Event type km. Error ellipse: s-maj=11.3km s-min=6.7km az=159.0. Mining explosion.							
NAO	Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.							
IDC	Error ellipse: s-maj=17.2km s-min=9.6km az=39.0.							
UPP	Event type km. Mining explosion.							

(537) Baltic Sea

ISC	**VII**	**03 05 52 05.2–.85**	**56.23N–.05**	**18.47E–.07**	**0**		**50**	**2-14**
HEL	VII	03 05 52 00.8–.60	55.82N	18.33E	0	2.5L,2.3L		¶13379253
IDC	VII	03 05 52 03.9–1.5	56.04N	18.44E	0	3.5,3.5		
BER	VII	03 05 52 03.3–3.0	55.90N	18.42E	0–15	2.5L,3.5		
NAO	VII	03 05 52 04.3–2.8	56.05N	18.60E		2.5L,3.5		
ISCJB	VII	03 05 52 04.1–.83	56.38N–.05	18.30E–.07	0	2.5L,3.5		
CSEM	VII	03 05 52 05.5–.51	56.24N	18.43E	2	2.5L,3.5		
ISC	Event type kh.							
HEL	Event type kh. Error ellipse: s-maj=4.5km s-min=2.3km az=-1.0. Explosion.							
IDC	Error ellipse: s-maj=24.7km s-min=10.7km az=45.0.							
BER	Error ellipse: s-maj=20.0km s-min=15.6km az=-1.0.							
NAO	Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.							
ISCJB	Event type kh. Error ellipse: s-maj=7.5km s-min=6.0km az=173.6.							
CSEM	Event type ki. Error ellipse: s-maj=10.9km s-min=6.7km az=5.0.							

(537) Baltic Sea

ISC	**VII**	**03 06 31 12.1–.79**	**56.01N–.05**	**18.32E–.08**	**0**		**46**	**2-14**
HEL	VII	03 06 31 09.0–.70	55.72N	18.56E	0	2.5L,2.3L		¶13379254
CSEM	VII	03 06 31 12.8–.60	56.02N	18.27E	2	2.3L,2.3L		
ISCJB	VII	03 06 31 12.0–.99	56.13N–.07	18.4E–.10	0	2.3L,2.3L		
BER	VII	03 06 31 13.2–4.6	55.91N	18.43E	0–27	2.5L,2.3L		
NAO	VII	03 06 31 13.5–2.7	56.01N	18.55E		2.5L,2.3L		
IDC	VII	03 06 31 14.0–1.2	56.04N	18.40E	0	3.5,3.4L		
ISC	Event type km.							
HEL	Event type kh. Error ellipse: s-maj=4.6km s-min=2.9km az=-1.0. Explosion.							
CSEM	Event type km. Error ellipse: s-maj=14.7km s-min=10.2km az=156.0. Mining explosion.							
ISCJB	Event type km. Error ellipse: s-maj=12.5km s-min=5.8km az=139.3.							
BER	Error ellipse: s-maj=32.3km s-min=26.3km az=-1.0.							
NAO	Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.							
IDC	Error ellipse: s-maj=15.8km s-min=9.4km az=42.0.							

(537) Baltic Sea

ISC	**VII**	**03 06 34 56.3–.71**	**55.98N–.06**	**18.58E–.09**	**0**		**43**	**2-14**
ISCJB	VII	03 06 34 55.6–.89	56.08N–.07	18.5E–.10	0			¶13379255
BER	VII	03 06 34 56.8–3.4	55.86N	18.40E	0–25	2.7L		
HEL	VII	03 06 34 56.1–.70	55.95N	18.61E	0	2.7L,2.4L		
CSEM	VII	03 06 34 56.3–.63	55.95N	18.51E	1	2.4L,2.4L		
NAO	VII	03 06 34 58.2–2.9	56.01N	18.57E		2.7L,2.4L		
IDC	VII	03 06 34 58.5–1.5	56.08N	18.52E	0	3.6,3.6		
ISC	Event type km.							
ISCJB	Event type km. Error ellipse: s-maj=11.8km s-min=6.3km az=148.5.							
BER	Error ellipse: s-maj=25.0km s-min=29.1km az=-1.0.							
HEL	Event type kh. Error ellipse: s-maj=5.3km s-min=3.0km az=-1.0. Explosion.							
CSEM	Event type km. Error ellipse: s-maj=21.1km s-min=9.3km az=153.0. Mining explosion.							
NAO	Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.							
IDC	Error ellipse: s-maj=24.5km s-min=10.5km az=46.0.							

(546) Austria

ISC	**VII**	**03 11 59 53.4–.66**	**46.05N–.03**	**13.66E–.05**	**0**		**12**	**0-0**
								¶15025510
ISC	Event type km.							

(721) Finland

ISC	**VII**	**03 15 00 14.4–.44**	**63.92N–.02**	**27.93E–.09**	**0**		**56**	**1-8**
ISCJB	VII	03 15 00 13.5–.44	63.96N–.02	27.93E–.09	0			¶12697981
CSEM	VII	03 15 00 14.4–.18	63.89N	27.89E	2	1.6L		
HEL	VII	03 15 00 14.9–.10	63.97N	28.00E	0	1.6L,1.6L		
IDC	VII	03 15 00 14.3–1.7	63.93N	28.37E	0	2.8,2.7		
UPP	VII	03 15 00 17.1	63.94N	27.44E	0	1.6L,2.7		
ISC	Event type km.							
ISCJB	Event type km. Error ellipse: s-maj=5.5km s-min=3.2km az=8.5.							
CSEM	Event type km. Error ellipse: s-maj=5.1km s-min=3.2km az=96.0. Mining explosion.							
HEL	Event type kh. Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0. Explosion.							
IDC	Error ellipse: s-maj=30.2km s-min=9.3km az=98.0.							
UPP	Event type sm. Suspected Mining explosion.							

(460) Wyoming

ISC	**VII**	**03 18 04 05.3–.43**	**43.73N–.04**	**105.25W–.05**	**0**		**37**	**1-61**
ISCJB	VII	03 18 04 03.6–.45	43.74N–.04	105.27W–.05	0			¶11810534
IDC	VII	03 18 04 03.2–1.9	43.50N	105.35W	0	4.5b,4.2		
NEIC	VII	03 18 04 05.3–.32	43.72N	105.26W	0	3.2L,4.2		
ISC	Event type fm.							
ISCJB	Event type fm. Error ellipse: s-maj=5.9km s-min=5.5km az=44.1.							
IDC	Error ellipse: s-maj=49.9km s-min=8.3km az=152.0.							
NEIC	Event type fm. Error ellipse: s-maj=4.4km s-min=4.1km az=138.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.							

(548) Poland

ISC	**VII**	**03 22 00 05.2–.62**	**50.34N–.04**	**18.91E–.03**	**0**		**49**	**1-4**
ISCJB	VII	03 22 00 04.2–.65	50.33N–.04	18.86E–.03	0			¶11341960
IPEC	VII	03 22 00 04.6–.15	50.29N	19.00E	0	1.5L		
CSEM	VII	03 22 00 04.6–.48	50.40N	18.92E	2	2.5L		
PRU	VII	03 22 00 05.5	50.37N	18.90E	0	2.5L		
ISC	Event type ki.							
ISCJB	Event type ki. Error ellipse: s-maj=6.3km s-min=2.7km az=14.3.							
IPEC	Event type ki. Error ellipse: s-maj=1.6km s-min=0.7km az=175.0.							
CSEM	Event type ki. Error ellipse: s-maj=10.7km s-min=4.2km az=8.0.							
PRU	Event type ki.							

(548) Poland

ISC	**VII**	**04 05 15 31.0–.49**	**50.08N–.04**	**18.44E–.03**	**0**		**45**	**0-3**
ISCJB	VII	04 05 15 29.8–.51	50.11N–.03	18.44E–.03	0			¶11341964
IPEC	VII	04 05 15 30.3–.17	50.09N	18.54E	3–2	1.7L		
CSEM	VII	04 05 15 30.2–.33	50.14N	18.44E	1	2.5L		
PRU	VII	04 05 15 31.9	50.09N	18.41E	0	2.5L		
WAR	VII	04 05 15 31.7	50.06N	18.45E		2.5L		
ISC	Event type ki.							
ISCJB	Event type ki. Error ellipse: s-maj=5.1km s-min=2.7km az=8.6.							
IPEC	Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.							
CSEM	Event type ki. Error ellipse: s-maj=8.0km s-min=3.7km az=1.0.							
PRU	Event type ki.							

(724) Baltic States - Belarus - Northwestern Russia

ISC	**VII**	**04 11 19 48.1–1.8**	**67.33N–.04**	**33.8E–.30**	**0**		**33**	**0-7**
CSEM	VII	04 11 19 47.7–1.0	67.38N	33.92E	1	2.0L		¶13388145
NAO	VII	04 11 19 47.6–1.6	67.51N	34.03E		2.0L		
HEL	VII	04 11 19 48.9–.30	67.65N	34.05E	0	2.0L,2.0L		
ISC	Event type km.							
CSEM	Event type km. Error ellipse: s-maj=20.5km s-min=9.1km az=79.0. Mining explosion.							
NAO	Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.							
HEL	Event type kh. Error ellipse: s-maj=1.5km s-min=1.4km az=-1.0. Explosion.							

(548) Poland

ISC	**VII**	**04 11 28 40.8–.55**	**50.10N–.03**	**18.44E–.04**	**0**		**40**	**0-3**
ISCJB	VII	04 11 28 39.9–.54	50.10N–.03	18.42E–.03	0			¶11341968

IPEC VII 04 11 28 40.8–.17 50.09N 18.50E 2–1 1.9L
CSEM VII 04 11 28 40.8–.35 50.09N 18.46E 1 2.7L
PRU VII 04 11 28 41.8 50.03N 18.43E 0 2.7L
WAR VII 04 11 28 42.2 50.06N 18.43E 2.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.7km s-min=3.2km az=8.3.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=160.0.
CSEM Event type ki. Error ellipse: s-maj=7.3km s-min=4.2km az=2.0.
PRU Event type ki.

(548) Poland

ISC VII 04 19 21 15.5–.57 50.27N–.04 18.87E–.03 0 45 1-4
ISCJB VII 04 19 21 14.1–.59 50.30N–.04 18.87E–.03 0 **¶11341975**
WAR VII 04 19 21 14.3 50.26N 18.89E
IPEC VII 04 19 21 15.2–.17 50.29N 18.91E 0–1 1.9L
CSEM VII 04 19 21 16.7–.28 50.25N 18.77E 2 2.8L
PRU VII 04 19 21 17.0 50.28N 18.82E 0 2.8L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.1km s-min=2.6km az=12.9.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=0.8km az=171.0.
CSEM Event type ki. Error ellipse: s-maj=6.7km s-min=2.9km az=15.0.
PRU Event type ki.

(460) Wyoming

ISC VII 04 20 08 21.8–.35 43.81N–.03 105.20W–.04 0 3.9b 59 1-90
ISCJB VII 04 20 08 20.1–.38 43.80N–.03 105.22W–.05 0 3.9b **¶11810641**
IDC VII 04 20 08 20.8–2.0 43.71N 105.33W 0 3.8b,3.8
NEIC VII 04 20 08 21.8–.29 43.80N 105.21W 0 3.3L,3.8
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.0km s-min=4.5km az=26.1.
IDC Error ellipse: s-maj=55.9km s-min=7.9km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=4.0km s-min=3.5km az=128.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC VII 04 23 19 32.9–.69 51.54N–.03 16.13E–.04 0 69 1-4
CSEM VII 04 23 19 32.7–.26 51.54N 16.17E 2 3.0L **¶11341979**
IPEC VII 04 23 19 32.1–.40 51.59N 16.24E 0–2 2.3L
WAR VII 04 23 19 34.4 51.53N 16.10E 2.5L
ISCJB VII 04 23 19 35.0–.75 51.38N–.04 15.97E–.04 0 2.5L
PRU VII 04 23 19 35.2 51.45N 16.10E 0 2.5L
VIE VII 04 23 19 36.1–.63 51.31N 16.16E 0–0 2.6L,2.1b
ISC Event type kr.
CSEM Event type ki. Error ellipse: s-maj=4.4km s-min=3.6km az=19.0.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.6km az=19.0.
WAR Event type kr. Mining Induced.
ISCJB Event type kr. Error ellipse: s-maj=5.5km s-min=3.4km az=18.9.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.0km s-min=3.7km az=171.0. 64 km WNW of Wroclaw . Suspected Mining induced.

(460) Wyoming

ISC VII 05 14 35 32.7–.38 44.12N–.04 105.29W–.05 0 50 1-89
ISCJB VII 05 14 35 30.9–.42 44.13N–.04 105.31W–.05 0 **¶11810710**
NEIC VII 05 14 35 32.6–.41 44.11N 105.28W 0 3.1L
IDC VII 05 14 35 32.8–1.0 44.47N 105.92W 0 3.8b,3.7
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.7km s-min=5.2km az=6.4.
NEIC Event type fm. Error ellipse: s-maj=6.1km s-min=5.2km az=164.0. 25 km [15 miles] SE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=28.2km s-min=8.8km az=144.0.

(460) Wyoming

ISC VII 05 18 04 28.9–.34 43.82N–.03 105.20W–.04 0 4.0b 80 1-90
ISCJB VII 05 18 04 26.9–.38 43.85N–.03 105.18W–.05 0 4.0b **¶11810720**
NEIC VII 05 18 04 28.7–.31 43.82N 105.19W 0 3.5L
IDC VII 05 18 04 29.6–.88 44.16N 105.74W 0 3.9,3.9b
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=3.5km az=20.0.
NEIC Event type fm. Error ellipse: s-maj=4.3km s-min=4.0km az=129.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.9km s-min=8.4km az=145.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC VII 06 02 58 23.1–1.1 67.74N–.04 33.7E–.20 0 43 0-12
ISCJB VII 06 02 58 20.8–1.2 67.79N–.05 33.9E–.20 0 **¶13539050**
CSEM VII 06 02 58 23.1–.47 67.81N 33.72E 2 2.5L
NAO VII 06 02 58 24.9–1.1 67.66N 33.66E 2.5L
HEL VII 06 02 58 24.3–.20 67.70N 33.74E 0 2.5L,2.3L
IDC VII 06 02 58 28.9–2.2 67.59N 32.85E 0 3.5,3.4
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=9.9km s-min=6.4km az=10.6.
CSEM Event type km. Error ellipse: s-maj=9.7km s-min=5.8km az=82.0. Mining explosion.
NAO Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=23.0km s-min=8.6km az=80.0.

(543) Germany

ISC VII 07 15 48 20.6–.62 51.53N–.03 6.45E–.03 0 96 0-6
ISCJB VII 07 15 48 19.7–.64 51.51N–.03 6.43E–.04 0 **¶11108395**
CSEM VII 07 15 48 20.4–.33 51.54N 6.46E 1 3.0L
BUG VII 07 15 48 20.0 51.54N 6.51E 1 2.3L
BGR VII 07 15 48 21.9–.78 51.50N 6.55E 1 2.5L
LDG VII 07 15 48 21.4–.15 51.55N 6.57E 1–0 2.8L
BNS VII 07 15 48 21.5–.83 51.55N 6.56E 1 2.3L
NEIC VII 07 15 48 33.5–5.5 50.80N 5.59E 10 2.8L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.7km s-min=3.0km az=160.0.
CSEM Event type ki. Error ellipse: s-maj=5.2km s-min=3.6km az=173.0.
BUG Event type ki.
BGR Event type ki. Error ellipse: s-maj=12.2km s-min=4.4km az=128.0.
LDG Event type sr. Error ellipse: s-maj=2.5km s-min=1.5km az=7.0. Suspected Mining induced.
BNS Event type ki.
NEIC Event type se. Error ellipse: s-maj=64.5km s-min=16.4km az=202.0.

(548) Poland

ISC VII 08 01 11 39.8–.53 50.28N–.04 18.64E–.03 0 77 0-4
CSEM VII 08 01 11 38.1–.52 50.43N 18.65E 2 2.7L **¶11342016**
ISCJB VII 08 01 11 38.8–.55 50.34N–.04 18.65E–.03 0 2.7L
NEIC VII 08 01 11 39.7–1.4 50.39N 18.66E 5 2.5
PRU VII 08 01 11 39.9 50.36N 18.62E 0 2.5
WAR VII 08 01 11 41.0 50.24N 18.69E 2.5
VIE VII 08 01 11 42.9–.72 49.73N 18.76E 0–0 2.1L,1.7b
ISC Event type sr.
CSEM Event type ki. Error ellipse: s-maj=11.5km s-min=5.0km az=5.0.
ISCJB Event type sr. Error ellipse: s-maj=5.6km s-min=2.8km az=14.6.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=7.6km az=180.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.9km s-min=4.0km az=113.0. 38 km ESE of Ostrava . Suspected Mining induced.

(548) Poland

ISC VII 08 06 11 10.4–.48 51.43N–.03 16.22E–.03 0 152 1-4
CSEM VII 08 06 11 10.2–.21 51.45N 16.21E 2 3.5L **¶11342023**
ISCJB VII 08 06 11 10.1–.50 51.33N–.03 16.20E–.03 0 3.5L
BGR VII 08 06 11 11.1–.49 51.40N 16.25E 1 3.1L
IPEC VII 08 06 11 11.6–.34 51.41N 16.48E 0 2.5L
NEIC VII 08 06 11 11.1 51.40N 16.25E 1 3.1L
WAR VII 08 06 11 11.6 51.44N 16.20E 2.8L
PRU VII 08 06 11 12.4 51.37N 16.17E 0 2.8L
VIE VII 08 06 11 12.4–.43 51.27N 16.20E 0–0 3.1L,2.6b
ISC Event type kr.
CSEM Event type ki. Error ellipse: s-maj=4.2km s-min=2.5km az=20.0.
ISCJB Event type kr. Error ellipse: s-maj=4.2km s-min=2.1km az=17.9.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=20.0.
IPEC Event type ki. Error ellipse: s-maj=3.1km s-min=2.1km az=98.0.
NEIC Event type se. After SZGRF.
WAR Event type kr. Mining Induced.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.7km s-min=2.5km az=173.0. 60 km WNW of Wroclaw . Suspected Mining induced.

(460) Wyoming

ISC VII 08 18 03 02.9–.41 43.74N–.05 105.22W–.05 0 36 1-61
ISCJB VII 08 18 03 01.0–.45 43.75N–.05 105.21W–.05 0 **¶11811000**
NEIC VII 08 18 03 02.8–.37 43.74N 105.22W 0 3.1L
IDC VII 08 18 03 04.4–1.5 44.17N 105.84W 0 3.9,3.8b
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=6.8km s-min=5.2km az=156.1.
NEIC Event type fm. Error ellipse: s-maj=6.3km s-min=4.3km az=157.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=56.2km s-min=8.0km az=145.0.

(548) Poland

ISC VII 08 23 59 32.7–.39 51.55N–.02 16.04E–.02 0 186 1-10
ISCJB VII 08 23 59 32.0–.40 51.48N–.02 16.04E–.03 0 **¶11108403**
CSEM VII 08 23 59 32.6–.22 51.56N 16.05E 2 3.6L
IPEC VII 08 23 59 33.1–.28 51.58N 16.03E 2–1 2.8L
BGR VII 08 23 59 34.3–.41 51.46N 16.03E 1 3.2L
WAR VII 08 23 59 34.3 51.54N 16.02E 2.9L
LDG VII 08 23 59 34.3–.44 51.38N 16.03E 1–0 3.5L
NEIC VII 08 23 59 34.3 51.46N 16.03E 1 3.2L,3.1L
VIE VII 08 23 59 36.4–.57 51.26N 16.21E 0–0 3.0L,2.6b
PRU VII 08 23 59 36.3 51.46N 16.06E 0 3.0L,2.6b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.4km s-min=2.2km az=15.4.
CSEM Event type ki. Error ellipse: s-maj=4.2km s-min=2.4km az=26.0.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=0.8km az=17.0.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=15.0.
WAR Event type kr. Mining Induced.
LDG Event type sr. Error ellipse: s-maj=11.8km s-min=3.5km az=10.0. Suspected Mining induced.
NEIC Event type se. After SZGRF.
VIE Event type sr. Error ellipse: s-maj=3.4km s-min=2.7km az=175.0. 58 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(548) Poland

ISC VII 09 06 04 06.1–.48 51.56N–.02 16.08E–.03 0 122 1-4
ISCJB VII 09 06 04 05.1–.49 51.51N–.03 16.10E–.03 0 **¶11342043**
CSEM VII 09 06 04 06.5–.17 51.54N 16.06E 2 3.7L
PRU VII 09 06 04 07.0 51.56N 16.11E 0 3.7L
BGR VII 09 06 04 07.1–.43 51.50N 16.07E 1 3.3L
IPEC VII 09 06 04 07.8–.25 51.54N 16.06E 9–1 2.8L
WAR VII 09 06 04 08.0 51.54N 16.03E 3.1L
VIE VII 09 06 04 10.5–.46 51.25N 16.06E 0–0 3.3L,2.5b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.9km s-min=2.3km az=20.6.
CSEM Event type ki. Error ellipse: s-maj=3.2km s-min=2.1km az=26.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=3.3km az=14.0.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=0.6km az=26.0.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=2.9km s-min=2.6km az=173.0. 68 km WNW of Wroclaw . Suspected Mining induced.

(374) Jordan - Syria region

ISC VII 09 11 19 41.9–.96 33.42N–.05 35.59E–.06 18–4 31 0-2
ISCJB VII 09 11 19 41.9–.98 33.41N–.05 35.58E–.06 15–4 **¶11811077**
CSEM VII 09 11 19 41.8–.28 33.43N 35.58E 12 3.1L
GRAL VII 09 11 19 42.7–.27 33.42N 35.61E 9–1 3.1
NSSC VII 09 11 19 43 33.30N 35.66E 6–4 3.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.7km az=137.7.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=55.0.
GRAL Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
NSSC Event type fe.

(548) Poland

WAR VII 09 18 36 22.8 50.24N 18.92E
CSEM VII 09 18 36 23.1–.44 50.44N 18.93E 2 2.5L **¶11342045**
PRU VII 09 18 36 24.0 50.38N 18.89E 0 2.5L
CSEM Event type ki. Error ellipse: s-maj=11.2km s-min=3.6km az=6.0.
PRU Event type ki.

(555) Western Arabian Peninsula

SGS VII 10 11 37 50.0 27.40N 34.58E 22
CSEM VII 10 11 37 50.3–.28 29.88N 36.25E 2 2.6L **¶13728107**
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=106.0.

(544) Switzerland

ZUR VII 11 14 00 38.1 46.38N 6.90E -0–1 0.8L
CSEM VII 11 14 00 38.1 46.38N 6.90E -0 0.8L **¶12064139**
ZUR Event type sm. Suspected Mining explosion.
CSEM Event type sm. Suspected Mining explosion. After ZUR.

(548) Poland

ISC VII 11 16 48 28.2–.56 50.22N–.04 19.07E–.03 0 46 0-4
WAR VII 11 16 48 26.7 50.21N 19.10E **¶11342145**
ISCJB VII 11 16 48 27.5–.57 50.21N–.04 19.07E–.03 0
IPEC VII 11 16 48 27.6–.17 50.28N 19.12E 0–1 1.7L
PRU VII 11 16 48 29.5 50.28N 19.02E 0 1.7L
CSEM VII 11 16 48 29.4–.40 50.25N 18.96E 2 2.6L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.3km s-min=2.6km az=11.6.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=0.9km az=173.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9.2km s-min=3.4km az=9.0.

(548) Poland

ISC VII 11 20 05 53.7–.52 51.55N–.03 16.13E–.03 0 81 1-5
ISCJB VII 11 20 05 52.4–.55 51.50N–.03 16.16E–.03 0 **¶11342148**
IPEC VII 11 20 05 53.2–.27 51.61N 16.23E 0 2.3L
PRU VII 11 20 05 54.9 51.51N 16.13E 0 2.3L
CSEM VII 11 20 05 54.5–.29 51.50N 16.11E 2 3.2L
WAR VII 11 20 05 55.3 51.55N 16.10E 2.6L
VIE VII 11 20 05 57.5–.68 51.25N 16.14E 0–0 2.7L,2.3b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.5km s-min=2.6km az=13.6.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=45.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=5.0km s-min=2.9km az=6.0.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=4.4km s-min=4.0km az=154.0. 63 km WNW of Wroclaw . Suspected Mining induced.

(547) Czech and Slovak Republics

PRU VII 12 04 02 41.2 49.80N 18.44E 0
CSEM VII 12 04 02 43.1–3.4 49.44N 17.98E 2 **¶11342159**
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=70.7km s-min=32.4km az=95.0.

(548) Poland

ISC VII 12 15 41 07.8–.54 51.46N–.03 16.13E–.03 0 78 1-4
ISCJB VII 12 15 41 07.7–.56 51.38N–.03 16.06E–.03 0 **¶11342165**
CSEM VII 12 15 41 08.1–.22 51.45N 16.11E 2 3.1L
IPEC VII 12 15 41 08.4–.20 51.48N 16.18E 6–1 2.2L
WAR VII 12 15 41 09.1 51.46N 16.10E 2.6L
PRU VII 12 15 41 09.7 51.40N 16.09E 0 2.6L
VIE VII 12 15 41 10.9–.52 51.23N 16.17E 0–0 2.6L,2.2b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.5km s-min=2.5km az=24.2.
CSEM Event type ki. Error ellipse: s-maj=4.3km s-min=2.6km az=24.0.
IPEC Event type ki. Error ellipse: s-maj=1.5km s-min=0.6km az=39.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.3km s-min=3.0km az=172.0. 60 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC VII 14 01 01 05.0–.53 51.45N–.03 16.20E–.03 0 80 1-4
ISCJB VII 14 01 01 03.7–.60 51.41N–.03 16.22E–.03 0 **¶11342178**
CSEM VII 14 01 01 04.9–.33 51.46N 16.22E 2 3.1L

IPEC VII 14 01 01 06.4–.42 51.44N 16.42E 0 1.9L
WAR VII 14 01 01 06.9 51.45N 16.18E 2.4L
PRU VII 14 01 01 07.0 51.39N 16.19E 0 2.4L
VIE VII 14 01 01 08.3–.45 51.19N 16.20E 0–0 2.5L,2.1b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.6km s-min=2.4km az=18.5.
CSEM Event type ki. Error ellipse: s-maj=5.3km s-min=4.5km az=23.0.
IPEC Event type ki. Error ellipse: s-maj=3.3km s-min=2.3km az=97.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.9km s-min=2.6km az=10.0. 57 km WNW of Wroclaw . Suspected Mining induced.

(536) Sweden

ISC VII 14 17 02 15.2–.35 67.05N–.02 20.92E–.07 0 89 1-8
ISCJB VII 14 17 02 14.2–.39 67.04N–.02 20.90E–.08 0 **¶13389203**
IDC VII 14 17 02 14.9–.80 67.15N 20.63E 0 3.0,2.9
CSEM VII 14 17 02 15.5–.16 67.06N 21.00E 2 1.9L,2.9
HEL VII 14 17 02 15.9–.10 67.06N 20.99E 0 2.1L,1.9L
UPP VII 14 17 02 15.0 67.06N 21.01E 0 1.9L,1.9L
NAO VII 14 17 02 16.3–1.0 67.04N 21.38E 2.1L,1.9L
BER VII 14 17 02 17.6–3.9 67.10N 20.88E 0–0 2.1L,1.7L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.4km s-min=3.5km az=16.4.
IDC Error ellipse: s-maj=15.5km s-min=6.3km az=117.0.
CSEM Event type km. Error ellipse: s-maj=4.6km s-min=3.3km az=109.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0. Explosion.
UPP Event type km. Mining explosion.
NAO Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=5.9km s-min=20.1km az=-1.0. Suspected explosion.

(544) Switzerland

ZUR VII 15 15 31 06.6 46.23N 6.98E -1–3 1.2L
CSEM VII 15 15 31 06.6 46.23N 6.98E -1 1.2L **¶12064198**
ZUR Event type sm. Suspected Mining explosion.
CSEM Event type sm. Suspected Mining explosion. After ZUR.

(548) Poland

ISC VII 15 17 34 32.6–.42 50.09N–.03 18.39E–.03 0 73 0-4
ISCJB VII 15 17 34 30.6–.44 50.15N–.03 18.40E–.03 0 **¶11342192**
IPEC VII 15 17 34 31.9–.16 50.08N 18.52E 4–1 1.8L
CSEM VII 15 17 34 32.3–.33 50.12N 18.37E 2 2.8L
WAR VII 15 17 34 32.9 50.06N 18.43E 2.8L
PRU VII 15 17 34 33.4 50.11N 18.39E 0 2.8L
VIE VII 15 17 34 33.5–.42 49.68N 18.51E 0–0 2.3L,1.7b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.1km s-min=2.3km az=16.3.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=163.0.
CSEM Event type ki. Error ellipse: s-maj=6.8km s-min=3.4km az=13.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.7km s-min=1.8km az=83.0. 25 km SE of Ostrava . Suspected Mining induced.

(460) Wyoming

ISC VII 15 18 04 23.9–.35 43.76N–.04 105.18W–.05 0 3.8b 56 1-90
ISCJB VII 15 18 04 22.2–.38 43.75N–.04 105.20W–.05 0 3.8b **¶11811673**
NEIC VII 15 18 04 23.8–.33 43.75N 105.18W 0 3.3L
IDC VII 15 18 04 25.1–.90 44.04N 105.78W 0 3.7b,3.7
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.7km s-min=4.5km az=136.3.
NEIC Event type fm. Error ellipse: s-maj=5.1km s-min=4.2km az=143.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.5km s-min=7.7km az=145.0.

(460) Wyoming

ISC VII 16 18 09 26.3–.40 43.75N–.04 105.21W–.05 0 3.9b 49 1-85
ISCJB VII 16 18 09 24.5–.41 43.74N–.04 105.22W–.05 0 3.9b **¶11811770**
NEIC VII 16 18 09 26.3–.28 43.74N 105.22W 0 3.3L
IDC VII 16 18 09 26.1–1.8 43.72N 105.50W 0 3.8b,3.8
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.8km s-min=4.7km az=39.4.
NEIC Event type fm. Error ellipse: s-maj=4.1km s-min=3.3km az=132.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=54.6km s-min=7.5km az=149.0.

(646) Northern Norway

ISC VII 17 06 04 36.2–.41 67.73N–.02 15.30E–.06 0 133 0-8
ISCJB VII 17 06 04 35.4–.41 67.69N–.02 15.53E–.06 0 **¶13389436**
CSEM VII 17 06 04 36.1–.39 67.76N 15.28E 1 2.3L
HEL VII 17 06 04 36.9–.20 67.83N 15.03E 7–1 2.3L,2.3L
UPP VII 17 06 04 37.9 67.77N 15.19E 0 2.3L,2.3L
IDC VII 17 06 04 37.6–1.5 67.86N 15.11E 0 3.0,2.9
BER VII 17 06 04 37.5–4.4 67.93N 14.89E 4–13 2.5,2.2L
NAO VII 17 06 04 39.1–2.2 67.84N 15.25E 12–12 2.2L,2.2L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.2km s-min=2.6km az=44.3.
CSEM Event type km. Error ellipse: s-maj=8.5km s-min=5.5km az=124.0. Mining explosion.
HEL Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0.
UPP Event type km. Mining explosion.
IDC Error ellipse: s-maj=18.9km s-min=7.3km az=124.0.
BER Error ellipse: s-maj=10.5km s-min=31.2km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(547) Czech and Slovak Republics

ISC VII 17 11 00 39.4–.69 48.86N–.04 20.90E–.05 0 10 0-1
¶15025631
ISC Event type sm.

(547) Czech and Slovak Republics

ISC VII 17 12 33 46.5–1.7 50.50N–.05 14.1E–.10 0 14 1-3
CSEM VII 17 12 33 44.5–1.4 50.57N 14.06E 2 2.5L **¶13808416**
VIE VII 17 12 33 45.1–.56 50.50N 14.03E 0–0 2.5L
ISC Event type sm.
CSEM Event type sm. Error ellipse: s-maj=24.1km s-min=15.4km az=165.0. Suspected Mining explosion.
VIE Event type sm. Error ellipse: s-maj=4.2km s-min=1.9km az=42.0. 57 km NNW of Praha . Suspected Mining explosion.

(536) Sweden

ISC VII 18 17 05 26.2–.37 67.05N–.02 21.02E–.07 0 81 1-8
ISCJB VII 18 17 05 25.1–.39 67.03N–.02 21.03E–.08 0 **¶13389518**
CSEM VII 18 17 05 26.0–.15 67.04N 20.99E 2 2.0L
UPP VII 18 17 05 26.7 66.99N 21.07E 0 2.0L
IDC VII 18 17 05 26.7–1.0 67.12N 21.10E 0 2.9,2.8
NAO VII 18 17 05 26.0–1.0 67.05N 21.21E 2.0L,2.8
HEL VII 18 17 05 26.2–.10 67.06N 20.88E 0 2.3L,2.0L
BER VII 18 17 05 27.4–4.2 67.08N 20.91E 0–0 2.0L,2.0L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.9km s-min=2.9km az=24.4.
CSEM Event type km. Error ellipse: s-maj=5.0km s-min=2.6km az=113.0. Mining explosion.
UPP Event type km. Mining explosion.
IDC Error ellipse: s-maj=18.1km s-min=8.5km az=114.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=10.1km s-min=26.0km az=-1.0. Suspected explosion.

(548) Poland

ISC VII 18 17 52 17.7–.55 50.10N–.03 18.43E–.03 0 45 0-3
ISCJB VII 18 17 52 16.5–.55 50.12N–.03 18.41E–.03 0 **¶11342231**
IPEC VII 18 17 52 17.2–.17 50.07N 18.53E 1–2 1.7L
PRU VII 18 17 52 18.7 50.07N 18.42E 0 1.7L
CSEM VII 18 17 52 18.1–.30 50.07N 18.42E 1 2.5L
WAR VII 18 17 52 18.6 50.06N 18.43E 2.5L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.7km s-min=2.8km az=4.8.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=5.5km s-min=3.0km az=15.0.

(460) Wyoming

ISC VII 18 18 11 06.7–.33 43.74N–.03 105.19W–.05 0 4.0b 48 1-90
ISCJB VII 18 18 11 04.4–.37 43.74N–.03 105.15W–.05 0 4.0b **¶11811949**
NEIC VII 18 18 11 06.6–.30 43.72N 105.21W 0 3.2L
IDC VII 18 18 11 08.1–2.2 44.07N 105.85W 0 3.9b,3.9
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.7km s-min=4.4km az=33.0.
NEIC Event type fm. Error ellipse: s-maj=4.8km s-min=3.9km az=125.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=86.7km s-min=7.0km az=145.0.

(543) Germany

ISC VII 18 18 12 39.6–.41 52.23N–.02 7.65E–.03 0 230 0-9
ISCJB VII 18 18 12 38.9–.42 52.15N–.03 7.69E–.03 0 **¶11163182**
LDG VII 18 18 12 39.4–.13 52.33N 7.81E 1–0 3.4L
CSEM VII 18 18 12 39.4–.22 52.25N 7.63E 2 3.6L
STR VII 18 18 12 39.8–.39 52.35N 7.66E 10–0 3.4L
NEIC VII 18 18 12 39.6 52.33N 7.66E 5 3.4L,3.4L
BUG VII 18 18 12 40.1 52.33N 7.70E 1 3.3L,3.4L
BGR VII 18 18 12 40.4–.69 52.30N 7.70E 1 3.2L,3.4L
BNS VII 18 18 12 40.9–.41 52.32N 7.71E 1 3.2L,3.4L
PRU VII 18 18 12 41.7 52.34N 7.80E 13 3.2L,3.4L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.0km s-min=2.0km az=150.5.
LDG Event type sr. Error ellipse: s-maj=3.2km s-min=1.8km az=143.0. Suspected Mining induced.
CSEM Event type ki. Error ellipse: s-maj=5.0km s-min=2.3km az=152.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type se. After STR.
BUG Event type ki.
BGR Event type ki. Error ellipse: s-maj=14.5km s-min=4.4km az=133.0.
BNS Event type ki. Felt in Ibbenbueren-Bockraden.

(366) Turkey

ISC VII 19 10 50 34.3–.45 39.63N–.03 29.47E–.03 0 42 1-2
ISCJB VII 19 10 50 34.0–.42 39.65N–.03 29.48E–.03 0 **¶11514365**
CSEM VII 19 10 50 33.7–.23 39.61N 29.47E 1 2.8
ISK VII 19 10 50 33.6 39.59N 29.42E 8 2.8
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.9km s-min=3.5km az=31.4.
CSEM Event type ki. Error ellipse: s-maj=5.7km s-min=4.2km az=26.0.

(547) Czech and Slovak Republics

ISC VII 20 14 34 30.9–.54 49.90N–.04 18.50E–.03 0 35 0-3
ISCJB VII 20 14 34 30.0–.54 49.90N–.04 18.49E–.03 0 **¶11342248**
CSEM VII 20 14 34 30.6–.16 49.91N 18.51E 1 2.5L
IPEC VII 20 14 34 30.7–.17 49.87N 18.58E 2–1 1.4L
PRU VII 20 14 34 32.3 49.90N 18.44E 0 1.4L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.1km s-min=3.1km az=4.1.
CSEM Event type km. Error ellipse: s-maj=3.5km s-min=2.1km az=10.0. Mining explosion.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=165.0.
PRU Event type km. Explosion-mine Lazy. Mining explosion.

(460) Wyoming

ISC VII 21 18 12 25.8–.36 43.81N–.03 105.26W–.05 0 4.0b 64 1-90
IDC VII 21 18 12 23.3–.82 43.42N 105.25W 0 4.0b,3.9 **¶11812292**
ISCJB VII 21 18 12 24.0–.37 43.81N–.03 105.28W–.05 0 4.0b,3.9
NEIC VII 21 18 12 25.8–.29 43.81N 105.27W 0 3.4L,3.9
ISC Event type fm.
IDC Error ellipse: s-maj=18.2km s-min=8.1km az=152.0.
ISCJB Event type fm. Error ellipse: s-maj=5.0km s-min=4.2km az=19.0.
NEIC Event type fm. Error ellipse: s-maj=4.1km s-min=3.4km az=115.0. 55 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC VII 23 15 10 13.3–.61 50.10N–.03 18.38E–.03 0 48 0-4
ISCJB VII 23 15 10 11.4–.58 50.13N–.03 18.39E–.03 0 **¶11342279**
IPEC VII 23 15 10 12.0–.17 50.09N 18.53E 1–2 2.0L
PRU VII 23 15 10 13.9 50.07N 18.40E 0 2.0L
CSEM VII 23 15 10 13.0–.28 50.11N 18.38E 1 2.7L
WAR VII 23 15 10 13.6 50.06N 18.43E 2.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.7km s-min=2.8km az=14.3.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=5.4km s-min=2.9km az=15.0.

(548) Poland

ISC VII 23 16 16 43.6–.16 51.57N–.01 16.05E–.02 0 4.3b 562 1-125
MOS VII 23 16 16 42.8–1.2 51.59N 15.88E 10 4.4b **¶11163235**
IPEC VII 23 16 16 42.9–.41 51.63N 16.21E 0–2 4.0L
ISCJB VII 23 16 16 42.2–.18 51.50N–.01 15.99E–.02 0 4.3b
LDG VII 23 16 16 43.3–.09 51.53N 16.29E 1–0 4.5L
CSEM VII 23 16 16 43.7–.09 51.57N 16.03E 1 4.7L,4.3b
BGR VII 23 16 16 44.8–.46 51.52N 16.16E 1 4.3L,4.3b
NEIC VII 23 16 16 44.5–.20 51.53N 15.97E 5 5.1L,4.6b
IDC VII 23 16 16 44.5–.46 51.53N 16.02E 0 4.2,4.1b
WAR VII 23 16 16 45.5 51.55N 16.10E 3.6L,4.1b
PRU VII 23 16 16 45.5 51.51N 16.09E 0 4.6,4.1b
VIE VII 23 16 16 47.6–.64 51.29N 15.96E 1–2 3.8L,3.6b
STR VII 23 16 16 52.9–.67 51.26N 15.16E 2–0 4.6L,3.6b
ISC Event type kr.
MOS Error ellipse: s-maj=5.2km s-min=3.4km az=68.0.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.7km az=17.0.
ISCJB Event type kr. Error ellipse: s-maj=1.9km s-min=1.7km az=163.4.
LDG Event type sr. Error ellipse: s-maj=2.7km s-min=1.7km az=167.0. Suspected Mining induced.
CSEM Event type ki. Error ellipse: s-maj=2.5km s-min=2.0km az=166.0.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=2.2km az=22.0.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.6km az=169.0.
IDC Error ellipse: s-maj=9.1km s-min=6.6km az=81.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.5km s-min=2.1km az=3.0. 76 km WNW of Wroclaw . Suspected Mining induced.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(536) Sweden

ISC VII 23 22 04 48.4–.38 67.21N–.02 20.7E–.10 0 71 1-8
ISCJB VII 23 22 04 47.2–.40 67.23N–.02 20.6E–.10 0 **¶13389932**
CSEM VII 23 22 04 48.7–.19 67.20N 20.66E 1 1.8L
HEL VII 23 22 04 48.9–.10 67.22N 20.70E 0 2.0L,1.9L
UPP VII 23 22 04 49.6 67.13N 20.85E 0 1.8L,1.9L
IDC VII 23 22 04 49.3–.89 67.13N 21.00E 0 2.9,2.8
NAO VII 23 22 04 49.1–1.0 67.16N 20.99E 2.0L,2.8
BER VII 23 22 04 50.4–2.7 67.21N 20.58E 0–0 2.0L,1.9L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.0km s-min=3.4km az=12.5.
CSEM Event type km. Error ellipse: s-maj=7.8km s-min=3.9km az=103.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=1.2km az=-1.0. Explosion.
UPP Event type km. Mining explosion.
IDC Error ellipse: s-maj=14.9km s-min=7.5km az=116.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=4.2km s-min=13.4km az=-1.0. Suspected explosion.

(548) Poland

ISC VII 24 14 26 55.7–.87 50.30N–.05 18.80E–.05 0 31 1-4
ISCJB VII 24 14 26 54.0–.86 50.32N–.05 18.80E–.05 0 **¶11342299**
WAR VII 24 14 26 54.1 50.28N 18.83E
CSEM VII 24 14 26 56.4–.61 50.40N 18.66E 1 2.5L
PRU VII 24 14 26 58.2 50.30N 18.67E 0 2.5L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.0km s-min=3.7km az=17.8.
CSEM Event type ki. Error ellipse: s-maj=14.3km s-min=6.5km az=6.0.
PRU Event type ki.

(548) Poland

ISC VII 25 17 11 05.8–.54 51.59N–.03 16.04E–.03 0 96 1-4
NEIC VII 25 17 11 06.0–2.1 51.63N 16.07E 5 2.8L **¶11342314**
IPEC VII 25 17 11 05.4–.32 51.65N 16.08E 0–1 2.5L
ISCJB VII 25 17 11 06.3–.66 51.48N–.03 15.95E–.04 0 2.5L
CSEM VII 25 17 11 06.1–.25 51.58N 16.01E 2 3.3L
WAR VII 25 17 11 07.4 51.58N 15.99E 2.8L
PRU VII 25 17 11 07.2 51.55N 16.00E 0 2.8L

VIE VII 25 17 11 09.3–.54 51.32N 15.99E 0–0 2.9L,2.2b
ISC Event type kr.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=10.6km az=214.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.5km az=34.0.
ISCJB Event type kr. Error ellipse: s-maj=5.2km s-min=2.7km az=23.5.
CSEM Event type ki. Error ellipse: s-maj=4.8km s-min=3.1km az=39.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.4km s-min=3.1km az=170.0. 75 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC VII 25 20 49 26.5–.70 51.53N–.03 16.17E–.04 0 70 1-4
IPEC VII 25 20 49 26.2–.29 51.58N 16.20E 0 2.3L **¶11342319**
ISCJB VII 25 20 49 26.5–.77 51.43N–.04 16.12E–.04 0 2.3L
CSEM VII 25 20 49 27.4–.36 51.48N 16.12E 2 3.0L
PRU VII 25 20 49 27.2 51.51N 16.21E 0 3.0L
WAR VII 25 20 49 28.3 51.51N 16.12E 2.5L
VIE VII 25 20 49 29.9–.60 51.29N 16.10E 0–0 2.5L,1.9b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=34.0.
ISCJB Event type kr. Error ellipse: s-maj=5.7km s-min=2.8km az=28.4.
CSEM Event type ki. Error ellipse: s-maj=5.9km s-min=3.3km az=21.0.
PRU Event type ki.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=3.8km s-min=3.5km az=172.0. 67 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC VII 26 06 16 47.6–.62 50.20N–.04 18.81E–.04 0 51 1-4
ISCJB VII 26 06 16 46.4–.66 50.24N–.04 18.79E–.04 0 **¶11342324**
IPEC VII 26 06 16 47.4–.44 50.27N 18.87E 4–1 2.1L
CSEM VII 26 06 16 47.0–.31 50.24N 18.82E 2 2.8L
PRU VII 26 06 16 48.0 50.22N 18.81E 0 2.8L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.0km s-min=3.1km az=24.3.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=2.3km az=73.0.
CSEM Event type ki. Error ellipse: s-maj=6.8km s-min=3.4km az=19.0.
PRU Event type ki.

(548) Poland

ISC VII 28 00 17 52.2–.58 50.20N–.03 18.77E–.04 0 50 1-4
ISCJB VII 28 00 17 51.1–.62 50.24N–.04 18.74E–.04 0 **¶11342339**
IPEC VII 28 00 17 52.0–.43 50.22N 18.83E 4–2 1.8L
PRU VII 28 00 17 52.8 50.22N 18.76E 0 1.8L
CSEM VII 28 00 17 52.2–.29 50.23N 18.76E 2 2.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.5km s-min=2.8km az=27.2.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=1.0km az=54.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=5.8km s-min=3.3km az=26.0.

(548) Poland

ISC VII 29 02 38 21.9–.82 50.16N–.06 19.12E–.04 0 37 1-4
ISCJB VII 29 02 38 21.2–.83 50.17N–.06 19.09E–.04 0 **¶11342346**
IPEC VII 29 02 38 21.9–.45 50.23N 19.15E 0–1 1.8L
CSEM VII 29 02 38 22.2–.41 50.17N 19.10E 2 2.5L
PRU VII 29 02 38 22.9 50.14N 19.12E 0 2.5L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.2km s-min=3.4km az=14.9.
IPEC Event type ki. Error ellipse: s-maj=3.9km s-min=2.4km az=142.0.
CSEM Event type ki. Error ellipse: s-maj=9.7km s-min=4.1km az=15.0.
PRU Event type ki.

(548) Poland

ISC VII 29 03 03 40.1–.53 50.07N–.03 18.39E–.03 0 52 0-4
WAR VII 29 03 03 39.9 50.06N 18.43E **¶11342347**
IPEC VII 29 03 03 39.5–.31 50.09N 18.43E 1–1 1.9L
ISCJB VII 29 03 03 39.3–.52 50.04N–.03 18.40E–.03 0 1.9L
CSEM VII 29 03 03 40.1–.34 50.09N 18.31E 2 2.8L
PRU VII 29 03 03 40.8 50.07N 18.33E 0 2.8L
VIE VII 29 03 03 42.6–.65 49.69N 18.29E 0–0 2.1L,1.2b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.8km az=87.0.
ISCJB Event type sr. Error ellipse: s-maj=4.6km s-min=2.8km az=21.7.
CSEM Event type ki. Error ellipse: s-maj=6.9km s-min=4.0km az=15.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.7km s-min=2.5km az=105.0. 17 km S of Ostrava . Suspected Mining induced.

(366) Turkey

ISC VII 29 11 20 04.7–.41 39.63N–.03 29.36E–.03 0 43 1-1
ISCJB VII 29 11 20 04.4–.41 39.64N–.03 29.38E–.03 0 **¶11514568**
CSEM VII 29 11 20 04.4–.18 39.64N 29.40E 1 2.8
ISK VII 29 11 20 04.5 39.65N 29.38E 12 2.8
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.9km s-min=3.7km az=161.2.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=4.0km az=53.0.

(544) Switzerland

ZUR VII 30 09 49 15.5 46.87N 8.61E -1–7 1.0L
CSEM VII 30 09 49 15.5 46.87N 8.61E -1 1.0L **¶12064414**
ZUR Event type sm. Suspected Mining explosion.
CSEM Event type sm. Suspected Mining explosion. After ZUR.

(724) Baltic States - Belarus - Northwestern Russia

ISC VII 30 11 19 32.3–.48 59.70N–.04 22.15E–.05 0 70 1-10
IDC VII 30 11 19 30.6–3.4 59.33N 22.32E 0 3.0,2.9 **¶13390432**
ISCJB VII 30 11 19 31.6–.49 59.69N–.04 22.12E–.06 0 3.0,2.9
HEL VII 30 11 19 32.3–.20 59.60N 22.14E 0 2.2L,2.0L
CSEM VII 30 11 19 32.8–.31 59.72N 22.12E 1 2.2L,2.0L
BER VII 30 11 19 35.0–2.7 59.57N 21.93E 0–16 2.2L,2.0L
UPP VII 30 11 19 35.0 59.63N 21.72E 0 2.0L,2.0L
NAO VII 30 11 19 35.0–2.0 59.81N 21.95E 2.2L,2.0L
ISC Event type sm.
IDC Error ellipse: s-maj=42.4km s-min=10.4km az=169.0.
ISCJB Event type sm. Error ellipse: s-maj=6.0km s-min=3.3km az=152.8.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=1.0km az=-1.0. Explosion.
CSEM Event type ki. Error ellipse: s-maj=9.3km s-min=4.3km az=158.0.
BER Error ellipse: s-maj=23.3km s-min=17.6km az=-1.0.
UPP Event type sm. Suspected Mining explosion.
NAO Error ellipse: s-maj=0.3km s-min=0.0km az=-1.0.

(548) Poland

PRU VII 30 20 36 44.6 50.02N 18.27E 0
IPEC VII 30 20 36 41.3–.54 50.11N 18.48E 5–2 1.4L **¶11342376**
WAR VII 30 20 36 41.9 50.06N 18.45E 1.4L
CSEM VII 30 20 36 42.7–.31 50.08N 18.30E 1 2.2L
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=3.0km s-min=1.7km az=66.0.
CSEM Event type ki. Error ellipse: s-maj=6.3km s-min=3.8km az=15.0.

(548) Poland

ISC VII 31 00 35 28.9–.48 50.24N–.03 19.04E–.03 0 67 0-4
CSEM VII 31 00 35 28.9–.18 50.23N 19.06E 0–1 2.9L **¶11342381**
ISCJB VII 31 00 35 28.1–.48 50.25N–.03 19.02E–.03 0 2.9L
WAR VII 31 00 35 29.6 50.20N 19.11E 2.9L
IPEC VII 31 00 35 29.1–.16 50.26N 19.05E 0–1 2.2L
PRU VII 31 00 35 29.5 50.26N 19.01E 0 2.2L
VIE VII 31 00 35 33.6–.80 49.71N 18.88E 0–0 2.4L,1.9b
ISC Event type sr.
CSEM Event type ki. Error ellipse: s-maj=3.5km s-min=2.0km az=14.0.
ISCJB Event type sr. Error ellipse: s-maj=4.6km s-min=2.4km az=22.6.
IPEC Event type ki. Error ellipse: s-maj=2.9km s-min=0.9km az=175.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.9km s-min=4.0km az=60.0. 47 km ESE of Ostrava . Suspected Mining induced.

(383) Northwestern Balkan Peninsula

ISC VIII 01 12 04 15.1–.71 45.18N–.03 14.61E–.06 0 13 0-1
¶15206791
ISC Event type km.

(460) Wyoming

ISC VIII 01 18 06 17.9–.37 43.84N–.03 105.28W–.04 0 72 1-61
ISCJB VIII 01 18 06 15.9–.39 43.83N–.03 105.25W–.05 0 **¶11907676**
NEIC VIII 01 18 06 17.8–.38 43.84N 105.27W 0 3.4L
IDC VIII 01 18 06 18.9–1.1 44.10N 105.66W 0 4.2b,3.9
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.0km s-min=4.5km az=23.7.
NEIC Event type fm. Error ellipse: s-maj=5.3km s-min=4.6km az=132.0. 50 km [30 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.4km s-min=12.1km az=138.0.

(548) Poland

ISC VIII 04 08 02 14.1–.79 50.26N–.06 18.95E–.03 0 28 1-4
ISCJB VIII 04 08 02 13.0–.78 50.25N–.06 18.90E–.03 0 **¶11308396**
CSEM VIII 04 08 02 13.7–.58 50.30N 18.94E 2 2.5L
WAR VIII 04 08 02 14.2 50.24N 19.04E 2.5L
PRU VIII 04 08 02 14.6 50.28N 18.95E 0 2.5L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=8.9km s-min=3.1km az=3.3.
CSEM Event type ki. Error ellipse: s-maj=14.4km s-min=5.1km az=5.0.
PRU Event type ki.

(374) Jordan - Syria region

ISC VIII 04 09 51 06.5–.62 33.79N–.03 35.77E–.06 5–8 30 0-2
ISCJB VIII 04 09 51 06.2–.64 33.79N–.03 35.78E–.06 2–9 **¶11813087**
GRAL VIII 04 09 51 06.9–.32 33.79N 35.79E 0–30 3.0
CSEM VIII 04 09 51 06.6–.19 33.80N 35.75E 2 3.0L
NSSC VIII 04 09 51 06 33.77N 35.82E 5–5 3.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=5.1km az=169.6.
GRAL Error ellipse: s-maj=0.6km s-min=2.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.1km az=94.0.
NSSC Event type fe.

(548) Poland

ISC VIII 04 19 55 39.5–.57 50.07N–.04 18.40E–.03 0 36 0-3
ISCJB VIII 04 19 55 38.4–.59 50.10N–.04 18.39E–.03 0 **¶11308406**
CSEM VIII 04 19 55 38.8–.35 50.09N 18.42E 1 2.4L
WAR VIII 04 19 55 39.7 50.06N 18.45E 2.4L
IPEC VIII 04 19 55 39.9–.13 50.07N 18.44E 8–1 1.5L
PRU VIII 04 19 55 40.8 50.06N 18.37E 0 1.5L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.7km s-min=3.2km az=0.4.
CSEM Event type ki. Error ellipse: s-maj=8.4km s-min=5.2km az=174.0.
IPEC Event type ki. Error ellipse: s-maj=1.2km s-min=0.7km az=166.0.
PRU Event type ki.

(548) Poland

WAR VIII 05 00 42 10.8 50.06N 18.43E
IPEC VIII 05 00 42 10.6–.17 50.06N 18.46E 7–1 1.4L **¶11308409**
CSEM VIII 05 00 42 11.9–.40 50.07N 18.24E 1 2.5L
VIE VIII 05 00 42 12.6–.57 49.70N 18.41E 0–0 1.9L,1.1b
PRU VIII 05 00 42 13.5 50.02N 18.25E 0 1.9L,1.1b
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
CSEM Event type ki. Error ellipse: s-maj=7.6km s-min=4.7km az=13.0.
VIE Event type sr. Error ellipse: s-maj=3.6km s-min=2.0km az=93.0. 19 km SE of Ostrava . Suspected Mining induced.
PRU Event type ki.

(547) Czech and Slovak Republics

PRU VIII 05 14 18 00.0 49.83N 18.57E 0
CSEM VIII 05 14 18 00.1–1.2 49.95N 18.51E 1 **¶11308421**
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=18.8km s-min=13.8km az=108.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC VIII 05 14 18 34.3–.83 60.97N–.04 28.89E–.09 0 55 1-9
HEL VIII 05 14 18 32.0 60.92N 29.28E 0 1.9L **¶13539674**
ISCJB VIII 05 14 18 33.7–.83 61.03N–.04 28.80E–.09 0 1.9L
NAO VIII 05 14 18 33.8–1.9 60.75N 28.78E 2.2L
IDC VIII 05 14 18 34.9–1.9 60.91N 28.87E 0 3.2,3.2
BER VIII 05 14 18 34.4–3.6 60.83N 28.82E 0–25 2.2L,3.2
CSEM VIII 05 14 18 36.9–.59 60.93N 28.40E 1 1.9L,3.2
UPP VIII 05 14 18 36.9 60.73N 28.06E 0 1.4L,3.2
ISC Event type km.
HEL Event type kh. Explosion.
ISCJB Event type km. Error ellipse: s-maj=6.9km s-min=4.7km az=30.5.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=16.7km s-min=10.7km az=161.0.
BER Error ellipse: s-maj=21.5km s-min=34.7km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=12.6km s-min=6.1km az=102.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC VIII 06 03 51 52.8–.80 51.50N–.04 16.12E–.04 0 50 1-6
ISCJB VIII 06 03 51 51.5–.78 51.48N–.04 16.10E–.04 0 **¶11308434**
CSEM VIII 06 03 51 52.8–.67 51.48N 16.11E 1 2.9L
PRU VIII 06 03 51 53.8 51.45N 16.16E 0 2.9L
WAR VIII 06 03 51 54.4 51.47N 16.10E 2.3L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=6.4km s-min=3.2km az=13.5.
CSEM Event type ki. Error ellipse: s-maj=12.6km s-min=6.5km az=1.0.
PRU Event type ki.
WAR Event type kr. Mining Induced.

(548) Poland

ISC VIII 06 12 26 10.0–.17 51.54N–.01 16.14E–.02 0 3.9b 416 1-84
BNS VIII 06 12 26 04.8–.83 51.45N 16.95E 5 4.1L **¶11163321**
ISCJB VIII 06 12 26 08.1–.19 51.53N–.01 16.13E–.02 0 3.9b
MOS VIII 06 12 26 09.1–1.3 51.61N 16.11E 10 4.2b
CSEM VIII 06 12 26 09.8–.10 51.56N 16.15E 2 4.4L,4.1b
NEIC VIII 06 12 26 10.2–.34 51.60N 16.09E 5 3.8L,3.5L
IPEC VIII 06 12 26 10.2–.32 51.54N 16.39E 0 3.7L,3.5L
LDG VIII 06 12 26 10.8–.14 51.45N 16.05E 1–0 4.4L,3.5L
IDC VIII 06 12 26 10.5–.61 51.49N 16.03E 0 3.9,3.8b
STR VIII 06 12 26 10.2–.94 51.42N 15.97E 2–0 4.2L,3.8b
WAR VIII 06 12 26 11.3 51.51N 16.13E 3.5L,3.8b
PRU VIII 06 12 26 11.6 51.49N 16.12E 0 3.5L,3.8b
BGR VIII 06 12 26 11.3–.56 51.60N 16.12E 1 4.3L,3.8b
VIE VIII 06 12 26 13.2–.40 51.23N 16.16E 0–0 4.0s,3.7L
ISC Event type kr.
BNS Event type ke.
ISCJB Event type kr. Error ellipse: s-maj=2.0km s-min=1.5km az=5.9.
MOS Error ellipse: s-maj=6.4km s-min=3.8km az=82.4.
CSEM Event type ki. Error ellipse: s-maj=2.7km s-min=2.1km az=173.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.5km az=170.0.
IPEC Event type ki. Error ellipse: s-maj=3.6km s-min=1.9km az=90.0.
LDG Event type sr. Error ellipse: s-maj=3.6km s-min=2.1km az=2.0. Suspected Mining induced.
IDC Error ellipse: s-maj=10.3km s-min=6.8km az=83.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=5.6km az=147.0.
VIE Error ellipse: s-maj=2.7km s-min=2.0km az=179.0. 61 km WNW of Wroclaw .

(548) Poland

WAR VIII 07 13 03 06.3 50.11N 19.21E
CSEM VIII 07 13 03 05.5–.42 50.22N 19.14E 1 2.6L **¶11308454**
PRU VIII 07 13 03 06.7 50.15N 19.12E 0 2.6L
CSEM Event type ki. Error ellipse: s-maj=13.2km s-min=4.5km az=2.0.
PRU Event type ki.

(460) Wyoming

ISC VIII 07 20 13 39.4–.40 43.81N–.04 105.30W–.05 0 4.2b 50 1-90
ISCJB VIII 07 20 13 37.9–.43 43.77N–.04 105.31W–.05 0 4.2b **¶11907926**
NEIC VIII 07 20 13 39.4–.41 43.81N 105.32W 0 3.3L
IDC VIII 07 20 13 39.4–.97 43.86N 105.52W 0 4.1b,4.0
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.5km s-min=5.4km az=5.5.
NEIC Event type fm. Error ellipse: s-maj=5.5km s-min=5.2km az=186.0. 55 km [35 miles] SSE of Gillette. Suspected Mining explosion.

IDC Error ellipse: s-maj=26.3km s-min=13.1km az=123.0.

(548) Poland

ISC	**VIII**	**08 16 01 42.7–.49**	**50.29N–.03**	**18.78E–.03**	**0**		**65**	**1-4**
ISCJB	VIII	08 16 01 41.4–.49	50.31N–.03	18.78E–.03	0			¶11308481
WAR	VIII	08 16 01 42.7	50.28N	18.82E				
IPEC	VIII	08 16 01 42.6–.17	50.31N	18.80E	0–1	2.1L		
CSEM	VIII	08 16 01 43.7–.27	50.34N	18.67E	2	2.7L		
PRU	VIII	08 16 01 44.5	50.30N	18.69E	0	2.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.8km s-min=2.4km az=12.8.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=0.8km az=170.0.
CSEM Event type ki. Error ellipse: s-maj=6.3km s-min=3.2km az=5.0.
PRU Event type ki.

(548) Poland

ISC	**VIII**	**08 20 40 11.8–.65**	**51.52N–.03**	**16.15E–.04**	**0**		**55**	**1-4**
ISCJB	VIII	08 20 40 10.4–.63	51.51N–.03	16.14E–.03	0			¶11308487
IPEC	VIII	08 20 40 11.2–.29	51.57N	16.20E	0	1.8L		
CSEM	VIII	08 20 40 11.8–.26	51.52N	16.13E	2	2.8L		
PRU	VIII	08 20 40 13.9	51.45N	16.10E	0	2.8L		
WAR	VIII	08 20 40 13.4	51.51N	16.13E		2.3L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.9km s-min=2.8km az=15.9.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=34.0.
CSEM Event type ki. Error ellipse: s-maj=4.6km s-min=3.7km az=11.0.
PRU Event type ki.
WAR Event type kr. Mining Induced.

(548) Poland

ISC	**VIII**	**09 01 26 40.9–.50**	**50.08N–.03**	**18.39E–.03**	**0**		**43**	**0-3**
ISCJB	VIII	09 01 26 39.6–.52	50.10N–.03	18.38E–.03	0			¶11308491
CSEM	VIII	09 01 26 40.3–.26	50.10N	18.41E	1	2.5L		
IPEC	VIII	09 01 26 40.6–.17	50.05N	18.47E	2–2	1.7L		
WAR	VIII	09 01 26 40.4	50.06N	18.43E		1.7L		
PRU	VIII	09 01 26 41.7	50.06N	18.38E	0	1.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.4km s-min=3.0km az=10.4.
CSEM Event type ki. Error ellipse: s-maj=5.0km s-min=3.5km az=3.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=160.0.
PRU Event type ki.

(548) Poland

ISC	**VIII**	**09 03 46 07.9–.17**	**51.52N–.01**	**16.17E–.02**	**0**	**3.7b**	**435**	**1-84**
STR	VIII	09 03 45 59.5–.67	51.75N	17.25E	10–0	3.7L		¶11160921
ISCJB	VIII	09 03 46 06.3–.20	51.50N–.01	16.13E–.02	0	3.7b		
MOS	VIII	09 03 46 06.8–1.3	51.57N	16.10E	10	4.2b		
CSEM	VIII	09 03 46 07.6–.11	51.54N	16.18E	0	3.6s,3.2L		
IPEC	VIII	09 03 46 07.0–.22	51.58N	16.26E	0	3.2L,3.2L		
LDG	VIII	09 03 46 07.3–.14	51.52N	16.25E	1–0	4.1L,3.2L		
NEIC	VIII	09 03 46 08.3–.28	51.54N	16.08E	5	3.8b,3.7L		
PRU	VIII	09 03 46 09.3	51.46N	16.15E	0	3.8,3.7L		
IDC	VIII	09 03 46 09.1–.65	51.47N	16.04E	0	3.8,3.7b		
BGR	VIII	09 03 46 10.5–.43	51.42N	16.12E	1	3.9L,3.7b		
WAR	VIII	09 03 46 10.0	51.47N	16.14E		3.3L,3.7b		
VIE	VIII	09 03 46 11.2–.43	51.25N	16.18E	1–0	3.6s,3.4L		
UPP	VIII	09 03 46 14.7	51.86N	15.60E	0	2.8L,3.4L		

ISC Event type kr.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISCJB Event type kr. Error ellipse: s-maj=2.1km s-min=1.5km az=11.0.
MOS Error ellipse: s-maj=5.8km s-min=3.8km az=85.5.
CSEM Event type ki. Error ellipse: s-maj=2.8km s-min=2.2km az=14.0.
IPEC Event type ki. Error ellipse: s-maj=1.5km s-min=1.3km az=12.0.
LDG Event type sr. Suspected Mining induced.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.8km az=175.0.
PRU Event type ki. Felt In Harrachov.
IDC Error ellipse: s-maj=11.4km s-min=7.6km az=74.0.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=4.4km az=161.0.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=3.0km s-min=1.9km az=7.0. 60 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC	**VIII**	**09 04 29 46.7–.86**	**51.51N–.04**	**16.12E–.04**	**0**		**49**	**1-4**
ISCJB	VIII	09 04 29 45.0–.84	51.49N–.04	16.12E–.04	0			¶11308495
IPEC	VIII	09 04 29 45.3–.30	51.61N	16.24E	0	1.8L		
CSEM	VIII	09 04 29 46.3–.25	51.52N	16.09E	2	3.1L		
PRU	VIII	09 04 29 47.9	51.47N	16.11E	0	3.1L		
WAR	VIII	09 04 29 47.7	51.51N	16.11E		2.4L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=6.1km s-min=3.0km az=15.5.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.6km az=35.0.
CSEM Event type ki. Error ellipse: s-maj=4.2km s-min=3.6km az=26.0.
PRU Event type ki.
WAR Event type kr. Mining Induced.

(374) Jordan - Syria region

ISC	**VIII**	**10 11 30 47.7–.92**	**33.65N–.04**	**36.59E–.07**	**16–12**		**29**	**0-1**
GRAL	VIII	10 11 30 45.8–.34	33.43N	36.56E	76–14	3.1		¶11813183
NSSC	VIII	10 11 30 46	33.68N	36.55E	0–1	3.1		
ISCJB	VIII	10 11 30 47.1–.87	33.67N–.04	36.59E–.06	10–18	3.1		
CSEM	VIII	10 11 30 47.1–.37	33.65N	36.62E	2	1.2		

ISC Event type ke.
GRAL Error ellipse: s-maj=5.5km s-min=13.3km az=-1.0.
NSSC Event type se.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.7km az=158.6.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.9km az=87.0.

(373) Dead Sea region

HLW	**VIII**	**10 14 03 07.9**	**31.17N**	**35.31E**	**8–28**	**2.9L**		
								¶13539799

(543) Germany

ISC	**VIII**	**11 17 58 36.6–.45**	**51.49N–.02**	**6.50E–.04**	**0**		**98**	**0-5**
ISCJB	VIII	11 17 58 35.7–.50	51.52N–.03	6.47E–.04	0			¶11169803
CSEM	VIII	11 17 58 36.5–.29	51.51N	6.52E	1	2.8L		
LDG	VIII	11 17 58 36.6–.15	51.54N	6.49E	1–0	2.7L		
NEIC	VIII	11 17 58 36.6	51.54N	6.49E	1	2.7L		
BNS	VIII	11 17 58 37.7–1.2	51.51N	6.58E	1	2.1L		
BGR	VIII	11 17 58 38.4–.40	51.52N	6.66E	1	2.4L		
BUG	VIII	11 17 58 38.5	51.47N	6.66E	1	1.9L		
UCC	VIII	11 17 58 38.0–.56	51.45N	6.72E	5–4	1.9L		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=5.1km s-min=2.7km az=136.1.
CSEM Event type ki. Error ellipse: s-maj=6.0km s-min=4.0km az=130.0.
LDG Event type sr. Error ellipse: s-maj=2.5km s-min=1.8km az=177.0. Suspected Mining induced.
NEIC Event type se. After LDG.
BNS Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=4.4km az=113.0.
BUG Event type ki.
UCC Event type ki.

(543) Germany

ISC	**VIII**	**11 17 59 27.2–.51**	**51.50N–.02**	**6.50E–.04**	**0**		**86**	**0-5**
ISCJB	VIII	11 17 59 26.4–.51	51.47N–.03	6.49E–.04	0			¶11169804
LDG	VIII	11 17 59 27.1–.27	51.56N	6.53E	1–0	2.6L		
CSEM	VIII	11 17 59 27.3–.30	51.50N	6.52E	1	2.7L		
NEIC	VIII	11 17 59 27.1	51.56N	6.53E	1	2.6L		
UCC	VIII	11 17 59 28.5–.87	51.59N	6.32E	8–3	1.9L		
BGR	VIII	11 17 59 28.0–.97	51.48N	6.58E	1	2.1L		
BNS	VIII	11 17 59 28.2–1.2	51.51N	6.58E	1	2.0L		
BUG	VIII	11 17 59 29.2	51.49N	6.66E	1	1.8L		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.7km s-min=2.7km az=39.6.
LDG Event type sr. Error ellipse: s-maj=4.3km s-min=2.5km az=167.0. Suspected Mining induced.
CSEM Event type ki. Error ellipse: s-maj=5.7km s-min=3.9km az=131.0.
NEIC Event type se. After LDG.
UCC Event type ki.
BGR Event type ki. Error ellipse: s-maj=12.2km s-min=5.6km az=117.0.
BNS Event type ki.
BUG Event type ki.

(548) Poland

ISC	**VIII**	**11 20 08 07.7–.59**	**51.48N–.03**	**16.08E–.03**	**0**		**70**	**1-4**
ISCJB	VIII	11 20 08 06.6–.62	51.41N–.03	16.11E–.03	0			¶11308541
WAR	VIII	11 20 08 08.9	51.50N	16.09E		2.6L		
CSEM	VIII	11 20 08 08.4–.36	51.45N	16.08E	2	3.3L		
IPEC	VIII	11 20 08 08.3–.33	51.49N	16.45E	0	2.1L		
PRU	VIII	11 20 08 09.2	51.42N	16.09E	0	2.1L		
VIE	VIII	11 20 08 10.2–.53	51.28N	16.06E	0–0	2.7L,2.0b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.7km s-min=2.6km az=13.2.
WAR Event type kr. Mining Induced.
CSEM Event type ki. Error ellipse: s-maj=6.1km s-min=3.5km az=2.0.
IPEC Event type ki. Error ellipse: s-maj=3.6km s-min=2.0km az=86.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.4km s-min=3.1km az=172.0. 69 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**VIII**	**12 13 40 09.1–.50**	**59.88N–.03**	**22.33E–.05**	**0**		**53**	**1-10**
ISCJB	VIII	12 13 40 07.5–.49	59.84N–.03	22.26E–.05	0			¶13391519
NAO	VIII	12 13 40 09.4–1.7	59.87N	22.34E		2.1L		
HEL	VIII	12 13 40 09.7	59.84N	22.38E	0	1.8L		
CSEM	VIII	12 13 40 09.2–.21	59.92N	22.30E	2	1.8L		
BER	VIII	12 13 40 10.7–4.0	59.93N	22.31E	0–18	2.1L		
IDC	VIII	12 13 40 10.0–2.2	59.83N	22.52E	0	3.2,3.0		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.4km s-min=3.9km az=164.1.
NAO Error ellipse: s-maj=0.2km s-min=0.0km az=-1.0.
HEL Event type kh. Explosion.
CSEM Event type km. Error ellipse: s-maj=5.2km s-min=3.8km az=158.0. Mining explosion.
BER Error ellipse: s-maj=23.6km s-min=20.6km az=-1.0.
IDC Error ellipse: s-maj=25.5km s-min=8.0km az=162.0.

(548) Poland

ISC	**VIII**	**12 20 55 44.4–.67**	**50.26N–.05**	**18.80E–.03**	**0**		**32**	**1-4**
ISCJB	VIII	12 20 55 43.5–.67	50.26N–.05	18.77E–.03	0			¶11308560
IPEC	VIII	12 20 55 44.0–.21	50.28N	18.85E	2–1	1.4L		
CSEM	VIII	12 20 55 44.4–.40	50.31N	18.77E	2	2.5L		
PRU	VIII	12 20 55 45.1	50.28N	18.78E	0	2.5L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.9km s-min=2.9km az=4.1.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=168.0.
CSEM Event type ki.
PRU Event type ki.

(548) Poland

ISC	**VIII**	**13 03 45 42.8–.47**	**51.55N–.02**	**16.09E–.03**	**0**		**122**	**1-4**
IPEC	VIII	13 03 45 41.9–.27	51.62N	16.19E	0	2.4L		¶11308566
ISCJB	VIII	13 03 45 42.0–.53	51.48N–.03	16.07E–.03	0	2.4L		
BGR	VIII	13 03 45 43.9–.80	51.55N	16.10E	1	3.1L		
CSEM	VIII	13 03 45 43.5–.22	51.51N	16.07E	2	3.4L		
WAR	VIII	13 03 45 44.2	51.53N	16.10E		2.6L		
PRU	VIII	13 03 45 44.5	51.49N	16.07E	0	2.6L		
VIE	VIII	13 03 45 45.5–.39	51.32N	16.19E	0–0	2.7L,2.2b		
NEIC	VIII	13 03 45 52.6–1.4	51.26N	14.94E	5	3.1L,2.4L		

ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=46.0.
ISCJB Event type kr. Error ellipse: s-maj=4.2km s-min=2.2km az=14.8.
BGR Event type ki. Error ellipse: s-maj=15.6km s-min=6.7km az=161.0.
CSEM Event type ki. Error ellipse: s-maj=3.9km s-min=2.1km az=21.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.4km s-min=2.2km az=178.0. 62 km WNW of Wroclaw . Suspected Mining induced.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=10.5km az=189.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**VIII**	**13 13 04 45.1–.99**	**60.05N–.06**	**22.30E–.10**	**0**		**21**	**1-10**
IDC	VIII	13 13 04 44.0–1.9	59.90N	22.22E	0	2.9,2.8		¶12581055
HEL	VIII	13 13 04 44.8–.40	59.91N	22.32E	0	1.8L,2.8		

ISC Event type kh.
IDC Error ellipse: s-maj=30.5km s-min=7.8km az=165.0.
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0. Explosion.

(373) Dead Sea region

HLW	**VIII**	**13 14 12 47.6**	**31.22N**	**35.28E**	**18–14**	**3.0L**		
CSEM	VIII	13 14 12 50.2–.19	30.89N	34.93E	2	3.5L		¶12788870

CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=109.0.

(548) Poland

ISC	**VIII**	**14 00 06 44.3–.54**	**50.07N–.04**	**18.39E–.03**	**0**		**39**	**0-3**
ISCJB	VIII	14 00 06 42.9–.56	50.10N–.04	18.36E–.03	0			¶11308583
WAR	VIII	14 00 06 43.9	50.06N	18.45E				
IPEC	VIII	14 00 06 43.8–.17	50.07N	18.47E	2–2	1.3L		
CSEM	VIII	14 00 06 45.5–.23	50.04N	18.29E	2	2.5L		
PRU	VIII	14 00 06 46.5	50.02N	18.29E	0	2.5L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.3km s-min=2.8km az=5.1.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=160.0.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=2.5km az=18.0.
PRU Event type ki.

(548) Poland

ISC	**VIII**	**14 04 05 50.2–.63**	**51.48N–.03**	**16.09E–.03**	**0**		**83**	**1-4**
IPEC	VIII	14 04 05 47.0–.28	51.64N	16.25E	0	2.5L		¶11308589
ISCJB	VIII	14 04 05 49.3–.62	51.43N–.03	16.08E–.03	0	2.5L		
CSEM	VIII	14 04 05 50.1–.34	51.46N	16.03E	2	3.3L		
WAR	VIII	14 04 05 51	51.46N	16.10E		2.8L		
PRU	VIII	14 04 05 51.4	51.43N	16.17E	0	2.8L		
NEIC	VIII	14 04 05 53.7–1.3	51.22N	15.91E	5	2.9L		

ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.6km az=40.0.
ISCJB Event type kr. Error ellipse: s-maj=4.8km s-min=2.6km az=21.5.
CSEM Event type ki. Error ellipse: s-maj=6.1km s-min=4.0km az=26.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=9.0km az=189.0.

(548) Poland

ISC	**VIII**	**14 09 45 48.3–.80**	**51.49N–.04**	**16.05E–.04**	**0**		**48**	**1-3**
ISCJB	VIII	14 09 45 47.2–.79	51.45N–.04	16.03E–.04	0			¶11308591
IPEC	VIII	14 09 45 47.1–.28	51.60N	16.17E	0	2.1L		
WAR	VIII	14 09 45 48.9	51.54N	16.07E		2.5L		
CSEM	VIII	14 09 45 48.2–.46	51.49N	16.05E	2	3.3L		
PRU	VIII	14 09 45 49.1	51.47N	16.06E	0	3.3L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=5.9km s-min=3.0km az=18.7.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.6km az=35.0.
WAR Event type kr. Mining Induced.
CSEM Event type ki. Error ellipse: s-maj=7.4km s-min=4.3km az=15.0.
PRU Event type ki.

(548) Poland

ISC	**VIII**	**14 22 46 45.4–.21**	**51.56N–.01**	**16.13E–.02**	**0**	**3.8b**	**355**	**1-82**
STR	VIII	14 22 46 39.3–.39	51.55N	16.93E	2–0	3.8L		¶13391759
IPEC	VIII	14 22 46 44.6–.27	51.61N	16.19E	0	3.5L		
ISCJB	VIII	14 22 46 44.4–.24	51.48N–.02	16.09E–.02	0	3.8b		
IDC	VIII	14 22 46 45.8–.69	51.52N	15.93E	0	3.9,3.8		
CSEM	VIII	14 22 46 45.5–.15	51.55N	16.12E	0–1	4.2L,3.9s		
PRU	VIII	14 22 46 46.6	51.52N	16.12E	0	4.2L,3.9s		
BGR	VIII	14 22 46 47.0–.47	51.54N	16.09E	1	4.1L,3.9s		
WAR	VIII	14 22 46 47.2	51.53N	16.10E		3.3L,3.9s		
NEIC	VIII	14 22 46 47.0	51.54N	16.09E	1	4.1L,3.8L		
VIE	VIII	14 22 46 49.2–.97	51.30N	16.00E	1–4	3.9s,3.5b		

ISC Event type kr.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=45.0.
ISCJB Event type kr. Error ellipse: s-maj=2.3km s-min=1.7km az=18.8.

IDC Error ellipse: s-maj=11.6km s-min=7.3km az=78.0.
CSEM Event type ki. Error ellipse: s-maj=2.3km s-min=1.6km az=16.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=4.4km az=148.0.
WAR Event type kr. Mining Induced.
NEIC Event type se. After SZGRF.
VIE Event type sr. Error ellipse: s-maj=4.7km s-min=2.4km az=15.0. 74 km WNW of Wroclaw . Suspected Mining induced.

(366) Turkey

ISC	**VIII**	**15 09 12 54.2–.37**	**39.63N–.02**	**29.43E–.03**	**0**		**54**	**1-2**
ISCJB	VIII	15 09 12 53.9–.36	39.65N–.02	29.43E–.03	0			¶11525388
CSEM	VIII	15 09 12 53.8–.15	39.63N	29.46E	1	2.8		
ISK	VIII	15 09 12 53.8	39.63N	29.45E	10	2.8		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.6km s-min=3.4km az=159.6.
CSEM Event type ki. Error ellipse: s-maj=3.4km s-min=3.2km az=72.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**VIII**	**15 10 47 53.5–1.5**	**59.6N–.20**	**22.3E–.10**	**0**		**15**	**1-10**
ISCJB	VIII	15 10 47 52.0–1.7	59.5N–.20	22.3E–.20	0			¶13580083
HEL	VIII	15 10 47 53.4–.30	59.33N	22.57E	0	2.2L		
IDC	VIII	15 10 47 54.9–2.7	59.64N	22.31E	0	3.0,2.9		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=30.3km s-min=7.0km az=162.3.
HEL Event type kh. Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=40.9km s-min=9.0km az=162.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**VIII**	**15 11 32 19.1–.44**	**59.65N–.03**	**22.48E–.06**	**0**		**65**	**1-10**
ISCJB	VIII	15 11 32 17.7–.45	59.68N–.03	22.35E–.06	0			¶13391798
CSEM	VIII	15 11 32 19.9–.37	59.70N	22.42E	2	2.4L		
NAO	VIII	15 11 32 20.8–1.8	59.72N	22.51E		2.5L		
HEL	VIII	15 11 32 20.0–.20	59.61N	22.48E	0	2.5L,2.1L		
IDC	VIII	15 11 32 20.8–1.9	59.63N	22.52E	0	3.4,3.3		
NEIC	VIII	15 11 32 22.7	59.80N	22.40E	0	2.5L,3.3		
BER	VIII	15 11 32 22.7–3.9	59.80N	22.40E	0–21	2.5L,3.3		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.5km s-min=3.6km az=36.1.
CSEM Event type ki. Error ellipse: s-maj=9.5km s-min=6.5km az=133.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=24.2km s-min=7.6km az=163.0.
NEIC Event type se. After BER.
BER Error ellipse: s-maj=27.1km s-min=25.6km az=-1.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**VIII**	**15 11 32 43.7–1.5**	**59.4N–.10**	**22.6E–.20**	**0**		**15**	**1-10**
ISCJB	VIII	15 11 32 42.8–1.5	59.5N–.10	22.6E–.10	0			¶13580086
HEL	VIII	15 11 32 45.5–.30	59.41N	22.86E	0	2.4L		
IDC	VIII	15 11 32 45.8–2.5	59.65N	22.56E	0	3.3,3.2		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=20.4km s-min=7.2km az=155.3.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=1.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=39.5km s-min=11.3km az=157.0.

(536) Sweden

ISC	**VIII**	**15 18 03 35.3–.43**	**67.07N–.03**	**20.73E–.09**	**0**		**61**	**2-8**
ISCJB	VIII	15 18 03 33.0–.44	67.02N–.03	20.53E–.09	0			¶13391815
IDC	VIII	15 18 03 35.6–1.0	67.13N	21.07E	0	2.9,2.8		
CSEM	VIII	15 18 03 35.3–.23	67.07N	20.76E	2	2.3L,2.8		
HEL	VIII	15 18 03 36.5–.30	67.07N	20.94E	0	2.3L,2.1L		
NAO	VIII	15 18 03 36.1–1.1	67.06N	21.33E		2.1L,2.1L		
BER	VIII	15 18 03 38.0–3.5	67.12N	20.85E	0–0	2.1L,1.9L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.0km s-min=3.3km az=42.3.
IDC Error ellipse: s-maj=17.9km s-min=9.2km az=119.0.
CSEM Event type km. Error ellipse: s-maj=6.4km s-min=4.1km az=107.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.
BER Event type sh. Error ellipse: s-maj=6.6km s-min=21.7km az=-1.0. Suspected explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**VIII**	**16 03 24 41.2–1.1**	**67.77N–.04**	**33.8E–.20**	**0**		**62**	**0-12**
ISCJB	VIII	16 03 24 39.7–1.3	67.76N–.04	33.9E–.20	0			¶13391847
HEL	VIII	16 03 24 40.6–.10	67.71N	34.07E	0	2.7L,2.5L		
CSEM	VIII	16 03 24 40.4–.58	67.74N	34.01E	2	2.5L,2.5L		
NAO	VIII	16 03 24 42.0–1.2	67.59N	33.83E		2.5L,2.5L		
IDC	VIII	16 03 24 46.6–2.0	67.59N	32.93E	0	3.3,3.3		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=10.0km s-min=6.3km az=4.8.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=11.4km s-min=6.9km az=98.0. Mining explosion.
NAO Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=20.5km s-min=8.3km az=82.0.

(366) Turkey

ISC	**VIII**	**17 07 35 09.5–.38**	**39.63N–.02**	**29.45E–.03**	**0**		**64**	**1-2**
ISK	VIII	17 07 35 08.9	39.58N	29.49E	9	2.8		¶11525454
ISCJB	VIII	17 07 35 09.2–.37	39.63N–.02	29.45E–.03	0	2.8		
CSEM	VIII	17 07 35 09.0–.20	39.61N	29.45E	1	2.8		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.6km s-min=3.1km az=39.8.
CSEM Event type ki. Error ellipse: s-maj=4.5km s-min=4.2km az=136.0.

(366) Turkey

ISC	**VIII**	**17 07 48 34.6–.41**	**39.61N–.03**	**29.41E–.03**	**0**		**52**	**1-2**
ISCJB	VIII	17 07 48 34.3–.40	39.61N–.02	29.40E–.03	0			¶11525456
CSEM	VIII	17 07 48 34.4–.20	39.62N	29.41E	1	2.8		
ISK	VIII	17 07 48 35.1	39.61N	29.35E	14	2.8		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.7km s-min=3.4km az=45.0.
CSEM Event type ki. Error ellipse: s-maj=4.7km s-min=4.0km az=66.0.

(460) Wyoming

ISC	**VIII**	**17 18 12 43.7–.37**	**43.76N–.04**	**105.21W–.05**	**0**	**3.7b**	**47**	**1-90**
ISCJB	VIII	17 18 12 42.0–.39	43.76N–.04	105.20W–.05	0	3.7b		¶11908365
NEIC	VIII	17 18 12 43.5–.29	43.74N	105.24W	0	3.3L		
IDC	VIII	17 18 12 43.5–.99	43.73N	105.40W	0	3.7,3.6b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.2km s-min=5.0km az=26.7.
NEIC Event type fm. Error ellipse: s-maj=3.9km s-min=3.8km az=173.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.2km s-min=13.1km az=138.0.

(544) Switzerland

ISC	**VIII**	**18 16 41 32.1–.65**	**47.49N–.04**	**8.90E–.06**	**0**		**20**	**0-0**
ZUR	VIII	18 16 41 30.9	47.48N	8.93E	-0–1	1.2L		¶12064701
CSEM	VIII	18 16 41 30.9	47.48N	8.93E	-0	1.2L		
ISCJB	VIII	18 16 41 31.8–.65	47.49N–.04	8.90E–.06	0	1.2L		

ISC Event type sm.
ZUR Event type sm. Suspected Mining explosion.
CSEM Event type sm. Suspected Mining explosion. After ZUR.
ISCJB Event type sm.

(546) Austria

CSEM	**VIII**	**21 11 59 44.0–.26**	**46.07N**	**13.64E**	**1**	**0.9L**		¶14711486

CSEM Event type km. Error ellipse: s-maj=6.5km s-min=3.4km az=37.0. Mining explosion.

(548) Poland

ISC	**VIII**	**21 16 00 45.4–.28**	**51.53N–.02**	**16.13E–.02**	**0**		**269**	**1-19**
ISCJB	VIII	21 16 00 44.8–.29	51.44N–.02	16.08E–.02	0			¶11227234
NEIC	VIII	21 16 00 45.1–.47	51.64N	16.09E	5	3.5L,3.2L		
IDC	VIII	21 16 00 46.2–.82	51.56N	15.63E	0	3.5,3.4		
CSEM	VIII	21 16 00 46.2–.12	51.49N	16.11E	2	3.8L,3.2s		
IPEC	VIII	21 16 00 46.6–.20	51.50N	16.16E	4–1	2.8L,3.2s		
BGR	VIII	21 16 00 47.6–.40	51.48N	16.09E	1	3.5L,3.2s		
WAR	VIII	21 16 00 47.7	51.49N	16.10E		3.0L,3.2s		
PRU	VIII	21 16 00 47.6	51.46N	16.09E	0	3.0L,3.2s		
VIE	VIII	21 16 00 48.4–.35	51.32N	16.04E	0–0	3.2s,3.1L		
LDG	VIII	21 16 00 51.1–.22	51.15N	15.74E	1–0	3.7L,3.1L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=2.4km s-min=1.7km az=17.5.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.7km az=184.0.
IDC Error ellipse: s-maj=15.4km s-min=7.2km az=82.0.
CSEM Event type ki. Error ellipse: s-maj=2.5km s-min=1.6km az=14.0.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=0.6km az=39.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=9.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.3km s-min=1.6km az=5.0. 72 km WNW of Wroclaw . Suspected Mining induced.
LDG Event type sr. Error ellipse: s-maj=6.3km s-min=2.2km az=7.0. Suspected Mining induced.

(548) Poland

CSEM	**VIII**	**21 18 22 45.9**	**51.43N**	**16.18E**	**0**			¶11308687

CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.

(548) Poland

ISC	**VIII**	**21 18 22 52.0–1.0**	**51.43N–.05**	**16.13E–.05**	**0**		**36**	**1-3**
ISCJB	VIII	21 18 22 49.5–1.0	51.49N–.05	16.13E–.05	0			¶11308688
CSEM	VIII	21 18 22 51.7–.75	51.43N	16.11E	1	2.7L		
WAR	VIII	21 18 22 52.6	51.47N	16.15E		2.3L		
PRU	VIII	21 18 22 53.1	51.35N	16.17E	0	2.3L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=7.8km s-min=3.8km az=13.5.
CSEM Event type ki. Error ellipse: s-maj=13.0km s-min=5.8km az=179.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.

(536) Sweden

ISC	**VIII**	**22 17 00 39.1–.37**	**67.06N–.02**	**21.07E–.07**	**0**		**85**	**2-6**
ISCJB	VIII	22 17 00 38.0–.39	67.04N–.02	21.10E–.07	0			¶13392337
CSEM	VIII	22 17 00 39.3–.18	67.06N	21.01E	1	1.9L		
NAO	VIII	22 17 00 39.6–2.5	67.05N	21.42E		2.0L		
HEL	VIII	22 17 00 39.6–.10	67.08N	21.02E	0	3.0,1.9L		
BER	VIII	22 17 00 41.8–2.8	67.06N	20.94E	0–0	3.0,2.0L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.2km s-min=3.2km az=168.7.
CSEM Event type km. Error ellipse: s-maj=4.9km s-min=3.4km az=73.0. Mining explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=6.1km s-min=21.1km az=-1.0. Suspected explosion.

(460) Wyoming

ISC	**VIII**	**22 23 49 22.1–.33**	**43.68N–.02**	**105.35W–.03**	**0**	**3.9b**	**110**	**1-90**
IDC	VIII	22 23 49 22.3–2.3	44.08N	105.83W	0	3.9,3.8b		¶11908609
NEIC	VIII	22 23 49 22.1–.23	43.79N	105.23W	0	3.2L,3.8b		

ISC Event type fm.
IDC Error ellipse: s-maj=82.1km s-min=8.8km az=146.0.
NEIC Event type fm. Error ellipse: s-maj=3.1km s-min=3.0km az=58.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(547) Czech and Slovak Republics

ISC	**VIII**	**26 17 10 57.2–.33**	**49.82N–.02**	**18.40E–.02**	**0**		**83**	**0-4**
ISCJB	VIII	26 17 10 55.9–.36	49.85N–.03	18.38E–.02	0			¶11297277
IPEC	VIII	26 17 10 56.6–.18	49.81N	18.52E	0	2.6L		
CSEM	VIII	26 17 10 56.7–.21	49.86N	18.40E	1	3.2L		
PRU	VIII	26 17 10 57.7	49.86N	18.41E	0	3.2L		
VIE	VIII	26 17 10 58.6–.43	49.69N	18.28E	0–0	2.6L,2.3b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.8km s-min=2.2km az=10.4.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
CSEM Event type kr. Error ellipse: s-maj=4.7km s-min=3.1km az=10.0. Mining induced.
PRU Event type kr. Rockburst In Reg. Felt. Mining induced.
VIE Event type sr. Error ellipse: s-maj=3.1km s-min=2.0km az=98.0. 17 km S of Ostrava . Suspected Mining induced.

(548) Poland

ISC	**VIII**	**26 22 51 33.7–.56**	**50.15N–.04**	**19.02E–.03**	**0**		**45**	**1-4**
ISCJB	VIII	26 22 51 33.1–.57	50.14N–.04	18.98E–.03	0			¶11297281
WAR	VIII	26 22 51 33.9	50.08N	19.12E				
IPEC	VIII	26 22 51 33.8–.17	50.16N	19.06E	0	1.8L		
CSEM	VIII	26 22 51 34.1–.26	50.15N	19.01E	2	2.6L		
PRU	VIII	26 22 51 35.0	50.14N	18.99E	0	2.6L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.0km s-min=2.8km az=1.8.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.1km az=167.0.
CSEM Event type ki. Error ellipse: s-maj=7.0km s-min=3.1km az=177.0.
PRU Event type ki.

(548) Poland

ISC	**VIII**	**28 04 36 19.4–.66**	**51.52N–.03**	**16.14E–.04**	**0**		**66**	**1-4**
ISCJB	VIII	28 04 36 18.1–.66	51.48N–.03	16.13E–.04	0			¶11297304
IPEC	VIII	28 04 36 18.4–.29	51.57N	16.12E	0	2.2L		
CSEM	VIII	28 04 36 19.1–.25	51.52N	16.12E	2	3.1L		
PRU	VIII	28 04 36 20.7	51.48N	16.12E	0	3.1L		
WAR	VIII	28 04 36 20.4	51.51N	16.11E		2.5L		
VIE	VIII	28 04 36 21.4–.48	51.33N	16.17E	0–0	2.6L,2.1b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.8km s-min=3.1km az=15.3.
IPEC Event type ki. Error ellipse: s-maj=3.4km s-min=1.7km az=65.0.
CSEM Event type ki. Error ellipse: s-maj=4.3km s-min=3.6km az=17.0.
PRU Event type ki.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=3.1km s-min=2.9km az=167.0. 64 km WNW of Wroclaw . Suspected Mining induced.

(374) Jordan - Syria region

ISC	**VIII**	**28 09 10 36.3–1.9**	**33.44N–.09**	**35.61E–.09**	**15–13**		**11**	**0-1**
ISCJB	VIII	28 09 10 36.5–1.6	33.46N–.08	35.60E–.08	10–13			¶11813542
CSEM	VIII	28 09 10 36.6–.37	33.43N	35.60E	2	3.2L		
GRAL	VIII	28 09 10 36.9–.29	33.43N	35.61E	7–8	3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=10.8km az=5.1.
CSEM Event type ke. Error ellipse: s-maj=18.3km s-min=7.1km az=89.0.
GRAL Error ellipse: s-maj=0.9km s-min=1.9km az=-1.0.

(548) Poland

ISC	**VIII**	**28 11 34 55.8–.87**	**51.51N–.04**	**16.18E–.04**	**0**		**56**	**1-4**
ISCJB	VIII	28 11 34 54.0–.90	51.51N–.05	16.19E–.04	0			¶11297311
CSEM	VIII	28 11 34 56.2–.37	51.49N	16.21E	2	3.1L		
WAR	VIII	28 11 34 56.9	51.51N	16.12E		2.6L		
VIE	VIII	28 11 34 57.9–.54	51.31N	16.03E	0–0	2.7L,2.1b		
PRU	VIII	28 11 34 57.1	51.49N	16.18E	0	2.7L,2.1b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=6.7km s-min=3.2km az=11.0.
CSEM Event type ki. Error ellipse: s-maj=6.2km s-min=3.4km az=6.0.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=3.4km s-min=3.1km az=171.0. 72 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(548) Poland

ISC	**VIII**	**28 11 37 52.5–.86**	**51.50N–.04**	**16.19E–.04**	**0**		**52**	**1-4**
ISCJB	VIII	28 11 37 51.3–.84	51.46N–.04	16.16E–.04	0			¶11297312
PRU	VIII	28 11 37 53.5	51.48N	16.19E	0			
WAR	VIII	28 11 37 53.7	51.50N	16.14E		2.4L		
CSEM	VIII	28 11 37 53.1–.53	51.47N	16.16E	2	2.6L		
VIE	VIII	28 11 37 54.7–.45	51.30N	16.17E	0–0	2.6L,1.7b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=6.1km s-min=3.1km az=17.3.
PRU Event type ki.
WAR Event type kr. Mining Induced.
CSEM Event type ki. Error ellipse: s-maj=8.7km s-min=5.0km az=3.0.
VIE Event type sr. Error ellipse: s-maj=2.8km s-min=2.5km az=3.0. 63 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC	**VIII**	**28 16 29 15.4–.65**	**50.27N–.05**	**18.83E–.04**	**0**		**30**	**1-4**
ISCJB	VIII	28 16 29 14.3–.66	50.29N–.05	18.78E–.04	0			¶11297315
CSEM	VIII	28 16 29 15.2–.31	50.31N	18.81E	2	2.5L		
PRU	VIII	28 16 29 16.0	50.25N	18.81E	0	2.5L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.9km s-min=3.3km az=2.5.
CSEM Event type ki. Error ellipse: s-maj=8.4km s-min=3.7km az=4.0.
PRU Event type ki.

(548) Poland

ISC	**VIII**	**29 22 18 49.0–.66**	**51.50N–.03**	**16.12E–.04**	**0**		**54**	**1-4**
ISCJB	VIII	29 22 18 47.9–.65	51.47N–.03	16.10E–.04	0			**¶11297327**
IPEC	VIII	29 22 18 48.4–.28	51.56N	16.20E	0	2.0L		
CSEM	VIII	29 22 18 49.1–.23	51.49N	16.09E	2	3.0L		
PRU	VIII	29 22 18 50.4	51.46N	16.10E	0	3.0L		
WAR	VIII	29 22 18 50.5	51.49N	16.09E		2.4L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.9km s-min=2.9km az=19.5.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=41.0.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=3.2km az=16.0.
PRU Event type ki.
WAR Event type kr. Mining Induced.

(548) Poland

ISC	**VIII**	**30 13 46 05.0–1.0**	**51.49N–.05**	**16.10E–.04**	**0**		**32**	**1-3**
ISCJB	VIII	30 13 46 02.9–1.0	51.50N–.05	16.11E–.04	0			**¶11297333**
CSEM	VIII	30 13 46 05.5–1.1	51.45N	16.07E	2	2.8L		
PRU	VIII	30 13 46 06.3	51.44N	16.10E	0	2.8L		
WAR	VIII	30 13 46 06.1	51.50N	16.09E		2.2L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=7.5km s-min=3.4km az=15.6.
CSEM Event type ki. Error ellipse: s-maj=18.4km s-min=8.9km az=4.0.
PRU Event type ki.
WAR Event type kr. Mining Induced.

(548) Poland

ISC	**VIII**	**31 03 24 26.0–2.0**	**51.26N–.08**	**18.97E–.07**	**0**		**22**	**1-4**
CSEM	VIII	31 03 24 26.5–.77	51.23N	18.96E	2	2.6L		**¶11297335**
IPEC	VIII	31 03 24 27.0–.34	51.26N	19.03E	0	1.8L		
PRU	VIII	31 03 24 31.3	51.06N	18.95E	0	1.8L		

ISC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=12.0km s-min=5.9km az=8.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.2km az=7.0.
PRU Event type ki.

(548) Poland

ISC	**VIII**	**31 11 15 26.8–.54**	**50.25N–.04**	**18.84E–.03**	**0**		**50**	**1-5**
ISCJB	VIII	31 11 15 25.8–.56	50.25N–.04	18.82E–.03	0			**¶11297338**
CSEM	VIII	31 11 15 26.5–.30	50.29N	18.84E	2	2.7L		
WAR	VIII	31 11 15 26.3	50.24N	18.92E		2.7L		
IPEC	VIII	31 11 15 27.5–.14	49.98N	19.01E	0	1.8L		
PRU	VIII	31 11 15 27.4	50.24N	18.82E	0	1.8L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=3.0km az=6.3.
CSEM Event type ki. Error ellipse: s-maj=7.6km s-min=3.4km az=6.0.
IPEC Event type ki. Error ellipse: s-maj=6.4km s-min=0.8km az=158.0.
PRU Event type ki.

(548) Poland

WAR	**IX**	**01 17 36 34.0**	**50.08N**	**19.16E**				
IPEC	IX	01 17 36 33.9–.14	50.20N	19.08E	1–1	2.1L		**¶13856027**
CSEM	IX	01 17 36 33.7–.27	50.15N	19.08E	2	2.7L		
PRU	IX	01 17 36 34.5	50.12N	19.06E	0	2.7L		

IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=0.8km az=170.0.
CSEM Event type ki. Error ellipse: s-maj=7.3km s-min=2.8km az=1.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IX**	**02 15 34 53.0–.58**	**59.80N–.03**	**22.36E–.06**	**0**		**37**	**1-10**
ISCJB	IX	02 15 34 52.5–.62	59.80N–.04	22.31E–.06	0			**¶13393229**
BER	IX	02 15 34 53.9–4.3	59.80N	22.27E	0–27	2.1L		
IDC	IX	02 15 34 53.7–2.2	59.77N	22.24E	0	3.1,2.9		
NAO	IX	02 15 34 53.5–1.3	59.81N	22.36E		2.1L,2.9		
CSEM	IX	02 15 34 53.2–.32	59.82N	22.34E	1	2.0L,2.9		
HEL	IX	02 15 34 54.0–.10	59.81N	22.30E	0	2.1L,2.0L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.8km s-min=4.6km az=4.4.
BER Error ellipse: s-maj=16.4km s-min=18.6km az=-1.0.
IDC Error ellipse: s-maj=26.1km s-min=11.7km az=168.0.
NAO Error ellipse: s-maj=0.1km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=7.9km s-min=6.4km az=37.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0. Explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IX**	**02 16 57 33.3–.58**	**59.84N–.03**	**22.38E–.07**	**0**		**40**	**1-10**
ISCJB	IX	02 16 57 32.8–.56	59.85N–.03	22.32E–.08	0			**¶11909290**
CSEM	IX	02 16 57 33.5–.46	59.88N	22.41E	2	2.1L		
HEL	IX	02 16 57 34.3–.20	59.83N	22.32E	0	1.9L		
IDC	IX	02 16 57 36.2–1.8	60.03N	22.21E	0	3.0,2.9		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.6km s-min=4.0km az=175.4.
CSEM Event type km. Error ellipse: s-maj=10.9km s-min=6.2km az=82.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=29.9km s-min=7.8km az=165.0.

(548) Poland

ISC	**IX**	**03 00 51 18.3–.38**	**51.55N–.02**	**16.01E–.02**	**0**		**218**	**1-7**
ISCJB	IX	03 00 51 17.3–.37	51.49N–.02	16.02E–.02	0			**¶11492075**
IPEC	IX	03 00 51 17.5–.31	51.63N	16.15E	0	2.5L		
NEIC	IX	03 00 51 18.6–.53	51.58N	16.03E	5	3.0L,3.0L		
CSEM	IX	03 00 51 18.5–.15	51.54N	16.01E	2	3.5L,3.0L		
BGR	IX	03 00 51 19.8–.31	51.52N	16.00E	1	3.0L,3.0L		
PRU	IX	03 00 51 19.2	51.53N	16.03E	0	3.0L,3.0L		
WAR	IX	03 00 51 19.4	51.56N	16.02E		2.8L,3.0L		
VIE	IX	03 00 51 21.4–.49	51.29N	15.97E	0–0	2.9L,2.6b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.3km s-min=1.9km az=13.5.
IPEC Event type ki. Error ellipse: s-maj=4.4km s-min=1.8km az=82.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.6km az=203.0.
CSEM Event type ki. Error ellipse: s-maj=3.2km s-min=2.1km az=14.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=1.0.
PRU Event type ki.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=3.5km s-min=2.3km az=11.0. 75 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IX**	**03 09 00 45.8–.44**	**59.88N–.03**	**22.32E–.05**	**0**		**64**	**1-10**
ISCJB	IX	03 09 00 45.0–.44	59.87N–.03	22.26E–.05	0			**¶13393280**
IDC	IX	03 09 00 46.4–3.0	59.84N	22.22E	0	3.2,3.1		
NAO	IX	03 09 00 46.6–1.7	59.89N	22.27E		2.2L,3.1		
CSEM	IX	03 09 00 46.4–.26	59.94N	22.29E	2	2.2L,3.1		
HEL	IX	03 09 00 46.2–.10	59.82N	22.27E	0	2.2L,2.0L		
BER	IX	03 09 00 48.7–4.6	59.99N	22.15E	0–22	2.2L,2.0L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.8km s-min=3.6km az=18.4.
IDC Error ellipse: s-maj=42.6km s-min=11.9km az=169.0.
NAO Error ellipse: s-maj=0.2km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=5.6km s-min=4.4km az=164.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0. Explosion.
BER Error ellipse: s-maj=28.1km s-min=24.7km az=-1.0.

(366) Turkey

ISC	**IX**	**03 09 10 19.4–.84**	**39.58N–.04**	**29.46E–.05**	**0**		**30**	**1-2**
ISCJB	IX	03 09 10 19.2–.84	39.59N–.04	29.43E–.05	0			**¶11660504**
ISK	IX	03 09 10 19.7	39.60N	29.33E	13	2.6		
CSEM	IX	03 09 10 19.5–.46	39.59N	29.41E	1	2.8		
DDA	IX	03 09 10 35.8	39.50N	28.76E	3–0	2.8		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.9km s-min=5.3km az=140.6.
CSEM Event type ki. Error ellipse: s-maj=10.0km s-min=7.8km az=131.0.

(548) Poland

WAR	**IX**	**03 15 04 58.3**	**50.23N**	**18.91E**				
CSEM	IX	03 15 04 57.9–.31	50.29N	18.82E	2	3.0L		**¶13856077**
PRU	IX	03 15 04 59.1	50.25N	18.80E	0	3.0L		

CSEM Event type ki. Error ellipse: s-maj=7.7km s-min=3.4km az=9.0.
PRU Event type ki.

(460) Wyoming

ISC	**IX**	**03 18 01 30.8–.39**	**43.82N–.03**	**105.21W–.05**	**0**		**48**	**1-61**
ISCJB	IX	03 18 01 28.9–.41	43.84N–.03	105.21W–.05	0			**¶11909387**
IDC	IX	03 18 01 29.7–2.2	43.79N	105.34W	0	4.4b,3.9		
NEIC	IX	03 18 01 30.8–.34	43.80N	105.22W	0	3.2L,3.9		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.4km s-min=4.3km az=179.1.
IDC Error ellipse: s-maj=55.9km s-min=13.0km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=4.5km s-min=4.4km az=65.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(547) Czech and Slovak Republics

PRU	**IX**	**04 03 34 24.8**	**49.85N**	**18.59E**	**0**			
CSEM	IX	04 03 34 24.2–1.2	49.89N	18.59E	1			**¶13856095**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=20.2km s-min=15.2km az=125.0.

(383) Northwestern Balkan Peninsula

CSEM	**IX**	**04 10 09 44.6**	**45.98N**	**15.48E**	**0**	**0.5L**		
								¶14769005

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After LJU.

(548) Poland

WAR	**IX**	**05 04 14 41.6**	**50.11N**	**19.16E**				
CSEM	IX	05 04 14 41.9–.28	50.13N	19.03E	0–3	3.3L		**¶13828381**
IPEC	IX	05 04 14 41.4–.17	50.16N	19.10E	0	2.7L		
PRU	IX	05 04 14 42.8	50.19N	19.02E	0	2.7L		
VIE	IX	05 04 14 45.4–.48	49.83N	18.92E	0–0	2.9L,2.2b		

CSEM Event type ki. Error ellipse: s-maj=6.0km s-min=3.2km az=7.0.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.1km az=167.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.9km s-min=2.8km az=177.0. 47 km S of Katowice . Suspected Mining induced.

(548) Poland

ISC	**IX**	**05 14 59 22.5–.41**	**49.97N–.03**	**18.64E–.03**	**0**		**56**	**0-4**
ISCJB	IX	05 14 59 21.2–.43	50.00N–.03	18.62E–.03	0			**¶13856130**
CSEM	IX	05 14 59 22.4–.23	50.01N	18.63E	2	2.8L		
IPEC	IX	05 14 59 22.3–.18	50.00N	18.69E	3–1	2.0L		
WAR	IX	05 14 59 22.6	49.96N	18.69E		2.0L		
PRU	IX	05 14 59 23.8	49.97N	18.60E	0	2.0L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.0km s-min=2.4km az=21.3.
CSEM Event type ki. Error ellipse: s-maj=5.8km s-min=3.1km az=7.0.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=1.0km az=6.0.
PRU Event type ki.

(548) Poland

ISC	**IX**	**06 08 27 31.9–.24**	**51.57N–.01**	**16.12E–.02**	**0**	**3.6b**	**352**	**1-125**
IPEC	IX	06 08 27 31.9–.43	51.60N	16.20E	1–2	3.4L		**¶11255538**
LDG	IX	06 08 27 31.9–.22	51.57N	16.11E	1–0	4.1L		
ISCJB	IX	06 08 27 31.3–.28	51.48N–.02	16.08E–.02	0	3.6b		
CSEM	IX	06 08 27 32.3–.13	51.57N	16.11E	2	4.1L,3.6s		
IDC	IX	06 08 27 33.0–.62	51.52N	16.16E	0	3.8,3.7b		
NEIC	IX	06 08 27 33.6	51.53N	16.12E	1	3.6L,3.5L		
PRU	IX	06 08 27 33.4	51.53N	16.13E	0	3.6L,3.5L		
BGR	IX	06 08 27 33.6–.37	51.53N	16.12E	1	3.6L,3.5L		
STR	IX	06 08 27 34.6–.78	51.56N	15.90E	1–0	4.1L,3.5L		
WAR	IX	06 08 27 34.0	51.55N	16.10E		3.2L,3.5L		
VIE	IX	06 08 27 36.5–.54	51.27N	15.97E	0–0	3.6s,3.4L		

ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.6km az=14.0.
LDG Event type sr. Error ellipse: s-maj=5.4km s-min=2.2km az=10.0. Suspected Mining induced.
ISCJB Event type kr. Error ellipse: s-maj=2.5km s-min=1.7km az=11.5.
CSEM Event type ki. Error ellipse: s-maj=3.0km s-min=1.9km az=13.0.
IDC Error ellipse: s-maj=18.0km s-min=7.7km az=92.0.
NEIC Event type se. After SZGRF.
PRU Event type ki. Felt In Harrachov.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=18.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=3.4km s-min=2.8km az=12.0. 74 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IX**	**06 16 44 41.9–.53**	**57.72N–.05**	**21.96E–.07**	**0**		**37**	**0-12**
ISCJB	IX	06 16 44 40.6–.55	57.75N–.05	21.91E–.08	0			**¶13393594**
UPP	IX	06 16 44 41.8	57.70N	22.14E	0	1.9L		
CSEM	IX	06 16 44 42.2–.20	57.72N	21.98E	2	2.6L		
IDC	IX	06 16 44 42.1–3.0	57.75N	22.14E	0	3.2,3.1		
BER	IX	06 16 44 43.2–4.5	57.72N	22.17E	0–20	2.0L,3.1		
NAO	IX	06 16 44 44.6–2.5	57.93N	22.02E		2.0L,3.1		

ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=7.3km s-min=5.5km az=26.7.
UPP Event type sm. Suspected Mining explosion.
CSEM Event type sm. Error ellipse: s-maj=6.2km s-min=4.8km az=28.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=29.4km s-min=11.6km az=163.0.
BER Error ellipse: s-maj=31.7km s-min=21.9km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.

(548) Poland

WAR	**IX**	**09 07 24 50.5**	**50.37N**	**18.93E**				
CSEM	IX	09 07 24 51.6–.58	50.29N	18.97E	1	2.5L		**¶13856243**
PRU	IX	09 07 24 53.0	50.19N	18.98E	0	2.5L		

CSEM Event type ki. Error ellipse: s-maj=14.8km s-min=5.3km az=3.0.
PRU Event type ki.

(543) Germany

VIE	**IX**	**10 10 59 59.2–.25**	**50.25N**	**12.74E**	**0–0**	**2.5L,2.0b**		
								¶13828579

VIE Event type sm. Error ellipse: s-maj=2.7km s-min=0.9km az=41.0. 20 km E of Klingenthal . Suspected Mining explosion.

(548) Poland

ISC	**IX**	**10 13 12 29.5–.67**	**50.29N–.05**	**18.86E–.04**	**0**		**28**	**1-4**
ISCJB	IX	10 13 12 28.5–.67	50.29N–.05	18.83E–.04	0			**¶13856284**
CSEM	IX	10 13 12 29.1–.20	50.32N	18.85E	2	2.5L		
IPEC	IX	10 13 12 29.9–.15	50.22N	18.88E	2–1	1.6L		
PRU	IX	10 13 12 29.9	50.28N	18.84E	0	1.6L		
WAR	IX	10 13 12 29.8	50.24N	18.92E		1.6L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.7km s-min=3.4km az=7.1.
CSEM Event type ki. Error ellipse: s-maj=5.2km s-min=2.0km az=2.0.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=0.8km az=166.0.
PRU Event type ki.

(544) Switzerland

ZUR	**IX**	**10 16 18 52.8**	**46.23N**	**6.97E**	**-1–2**	**1.1L**		
CSEM	IX	10 16 18 52.8	46.23N	6.97E	-1	1.1L		**¶12065257**

ZUR Event type sm. Suspected Mining explosion.
CSEM Event type sm. Suspected Mining explosion. After ZUR.

(548) Poland

WAR	**IX**	**11 10 47 50.3**	**50.22N**	**19.13E**				
CSEM	IX	11 10 47 49.7–.35	50.29N	19.05E	1	2.6L		**¶13856315**
PRU	IX	11 10 47 50.6	50.29N	19.04E	0	2.6L		

CSEM Event type ki. Error ellipse: s-maj=8.8km s-min=3.8km az=10.0.
PRU Event type ki.

(536) Sweden

ISC	**IX**	**11 19 16 24.8–.40**	**67.19N–.02**	**20.78E–.06**	**0**		**91**	**1-8**
ISCJB	IX	11 19 16 23.2–.42	67.18N–.02	20.75E–.07	0			**¶13394119**
CSEM	IX	11 19 16 24.9–.25	67.21N	20.75E	2	2.2L		
NAO	IX	11 19 16 24.8–1.0	67.17N	21.02E		2.0L		
IDC	IX	11 19 16 25.1–.88	67.20N	20.91E	0	3.0,3.0		
HEL	IX	11 19 16 25.4–.10	67.17N	20.70E	1	2.2L,2.2L		
BER	IX	11 19 16 26.3–3.3	67.21N	20.67E	0–0	2.2L,2.0L		

ISC Event type sh.
ISCJB Event type sh. Error ellipse: s-maj=3.9km s-min=3.4km az=24.7.

CSEM Event type ki. Error ellipse: s-maj=5.9km s-min=4.2km az=95.0.
NAO Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=18.1km s-min=6.6km az=118.0.
HEL Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
BER Event type sh. Error ellipse: s-maj=5.1km s-min=15.7km az=-1.0. Suspected explosion.

(548) Poland

ISC	**IX**	**11 19 42 38.0–.84**	**51.50N–.04**	**16.05E–.04**	**0**		**42**	**1-3**
ISCJB	IX	11 19 42 36.8–.81	51.48N–.04	16.03E–.04	0			**¶13394122**
PRU	IX	11 19 42 38.7	51.49N	16.08E	0			
CSEM	IX	11 19 42 38.0–.52	51.49N	16.06E	2	2.7L		
WAR	IX	11 19 42 39.1	51.51N	16.03E		2.2L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=6.3km s-min=3.0km az=17.4.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9.1km s-min=4.6km az=14.0.
WAR Event type kr. Mining Induced.

(366) Turkey

ISC	**IX**	**12 08 02 23.5–.29**	**39.64N–.02**	**29.46E–.03**	**0**		**85**	**1-3**
ISCJB	IX	12 08 02 23.0–.29	39.64N–.02	29.46E–.03	0			**¶11660711**
ISK	IX	12 08 02 22.3	39.62N	29.44E	2	3.0		
CSEM	IX	12 08 02 23.2–.14	39.64N	29.47E	1	3.0		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.1km s-min=2.7km az=155.9.
CSEM Event type ki. Error ellipse: s-maj=3.6km s-min=3.0km az=69.0.

(548) Poland

ISC	**IX**	**12 09 03 12.0–.55**	**51.42N–.03**	**16.20E–.03**	**0**		**93**	**1-5**
ISCJB	IX	12 09 03 11.2–.56	51.36N–.03	16.15E–.03	0			**¶12952015**
CSEM	IX	12 09 03 12.3–.25	51.42N	16.18E	2	3.2L		
IPEC	IX	12 09 03 12.2–.30	51.46N	16.23E	0–1	2.2L		
NEIC	IX	12 09 03 12.5–1.4	51.35N	16.09E	5	3.1L		
WAR	IX	12 09 03 13.3	51.45N	16.18E		2.8L		
PRU	IX	12 09 03 14.9	51.35N	16.20E	0	2.8L		
VIE	IX	12 09 03 15.3–.64	51.17N	16.27E	0–0	2.7L,2.5b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.3km s-min=2.5km az=30.4.
CSEM Event type ki. Error ellipse: s-maj=4.7km s-min=2.6km az=31.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=0.6km az=27.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=9.8km az=50.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.2km s-min=3.2km az=170.0. 52 km W of Wroclaw . Suspected Mining induced.

(548) Poland

ISC	**IX**	**13 03 50 54.8–.65**	**51.47N–.03**	**16.14E–.03**	**0**		**63**	**1-4**
ISCJB	IX	13 03 50 53.8–.66	51.40N–.03	16.14E–.03	0			**¶13394237**
IPEC	IX	13 03 50 54.0–.29	51.54N	16.19E	0	2.4L		
CSEM	IX	13 03 50 55.6–.44	51.44N	16.17E	1	3.2L		
PRU	IX	13 03 50 56.3	51.42N	16.13E	0	3.2L		
WAR	IX	13 03 50 56	51.46N	16.10E		2.8L		
VIE	IX	13 03 50 58.9–.42	51.19N	16.30E	0–0	2.8L,2.3b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=5.0km s-min=2.6km az=17.9.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=33.0.
CSEM Event type ki. Error ellipse: s-maj=7.1km s-min=4.8km az=1.0.
PRU Event type ki.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=2.7km s-min=2.5km az=119.0. 50 km WNW of Wroclaw . Suspected Mining induced.

(366) Turkey

ISC	**IX**	**13 14 43 04.7–.31**	**39.67N–.02**	**29.51E–.03**	**0**		**75**	**1-2**
ISCJB	IX	13 14 43 04.5–.31	39.68N–.02	29.50E–.03	0			**¶11660730**
CSEM	IX	13 14 43 04.5–.13	39.66N	29.51E	1	2.8		
ISK	IX	13 14 43 04.5	39.66N	29.52E	8	2.8		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.1km s-min=3.0km az=170.5.
CSEM Event type ki. Error ellipse: s-maj=3.1km s-min=2.8km az=91.0.

(460) Wyoming

ISC	**IX**	**13 18 04 05.6–.33**	**43.76N–.02**	**105.28W–.03**	**0**		**89**	**1-61**
ISCJB	IX	13 18 04 04.2–.34	43.79N–.02	105.23W–.03	0			**¶11910200**
IDC	IX	13 18 04 04.9–2.0	43.66N	105.37W	0	3.8,3.7b		
NEIC	IX	13 18 04 05.5–.26	43.81N	105.24W	0	3.0L,3.7b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=3.5km s-min=2.7km az=163.7.
IDC Error ellipse: s-maj=62.3km s-min=8.2km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=3.8km s-min=3.3km az=140.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**IX**	**14 19 50 00.6–.38**	**43.58N–.02**	**105.29W–.04**	**0**		**78**	**1-62**
IDC	IX	14 19 49 57.6–2.8	43.19N	105.19W	0	3.8b,3.8		**¶11910285**
ISCJB	IX	14 19 49 59.5–.40	43.61N–.02	105.25W–.04	0	3.8b,3.8		
NEIC	IX	14 19 50 01.0–.46	43.62N	105.25W	0	3.0L,3.8		

ISC Event type fm.
IDC Error ellipse: s-maj=63.3km s-min=9.5km az=157.0.
ISCJB Event type fm. Error ellipse: s-maj=4.0km s-min=2.4km az=166.5.
NEIC Event type fm. Error ellipse: s-maj=6.8km s-min=5.8km az=163.0. 75 km [50 miles] SSE of Gillette. Suspected Mining explosion.

(547) Czech and Slovak Republics

ISC	**IX**	**15 06 19 15.4–.48**	**49.82N–.04**	**18.47E–.03**	**0**		**39**	**0-2**
ISCJB	IX	15 06 19 14.3–.49	49.86N–.03	18.47E–.03	0			**¶11282237**
CSEM	IX	15 06 19 15.1–.24	49.86N	18.47E	1	2.3L		
IPEC	IX	15 06 19 15.0–.18	49.80N	18.54E	2–3	1.6L		
PRU	IX	15 06 19 15.8	49.86N	18.47E	0	1.6L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.9km s-min=2.8km az=5.8.
CSEM Event type ki. Error ellipse: s-maj=5.7km s-min=3.1km az=2.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type ki.

(548) Poland

ISC	**IX**	**15 09 24 43.0–.39**	**50.26N–.03**	**18.76E–.02**	**0**		**120**	**1-6**
ISCJB	IX	15 09 24 41.5–.43	50.32N–.03	18.71E–.03	0			**¶11282238**
IPEC	IX	15 09 24 42.9–.45	50.26N	18.87E	3–1	2.6L		
WAR	IX	15 09 24 43.6	50.25N	18.83E		2.6L		
CSEM	IX	15 09 24 43.1–.17	50.27N	18.75E	2	3.4L		
PRU	IX	15 09 24 43.7	50.27N	18.75E	0	3.4L		
VIE	IX	15 09 24 47.5–.94	49.76N	18.73E	0–0	2.9L,2.1b		
BGR	IX	15 09 24 47.5–1.3	50.22N	18.50E	1	3.2L,2.1b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.2km s-min=2.4km az=17.9.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=2.5km az=89.0.
CSEM Event type ki. Error ellipse: s-maj=4.0km s-min=2.1km az=15.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=6.0km s-min=4.9km az=50.0. 35 km ESE of Ostrava . Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=15.6km s-min=6.7km az=62.0.

(547) Czech and Slovak Republics

VIE	**IX**	**16 10 57 55.5–.46**	**50.47N**	**13.70E**	**0–0**	**2.6L,1.7b**		**¶13828941**

VIE Event type sm. Error ellipse: s-maj=3.5km s-min=1.4km az=30.0. 64 km S of Dresden . Suspected Mining explosion.

(548) Poland

ISC	**IX**	**16 22 43 43.6–.87**	**51.46N–.04**	**16.13E–.04**	**0**		**46**	**1-4**
ISCJB	IX	16 22 43 42.4–.85	51.42N–.04	16.10E–.04	0			**¶11282258**
WAR	IX	16 22 43 44.4	51.50N	16.12E		2.3L		
CSEM	IX	16 22 43 44.1–.58	51.44N	16.12E	2	3.0L		
PRU	IX	16 22 43 45.0	51.41N	16.13E	0	3.0L		
VIE	IX	16 22 43 46.8–.63	51.24N	16.23E	0–0	2.4L,1.8b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=6.0km s-min=3.2km az=14.5.
WAR Event type kr. Mining Induced.
CSEM Event type ki. Error ellipse: s-maj=9.6km s-min=4.9km az=16.0.
PRU Event type ki.

VIE Event type sr. Error ellipse: s-maj=4.5km s-min=3.8km az=98.0. 56 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IX**	**17 09 31 15.7–1.5**	**60.41N–.07**	**30.4E–.10**	**0**		**16**	**1-9**
HEL	IX	17 09 31 16.7–1.5	60.28N	30.50E	0	1.5L		**¶11910465**
IDC	IX	17 09 31 19.1–2.0	60.45N	30.18E	0	3.1,3.0		

ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=8.1km s-min=11.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=21.6km s-min=15.5km az=2.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IX**	**17 09 52 01.8–1.2**	**60.25N–.06**	**30.5E–.10**	**0**		**14**	**2-10**
ISCJB	IX	17 09 52 01.2–1.3	60.24N–.06	30.5E–.10	0			**¶11910466**
HEL	IX	17 09 52 02.5–.20	60.21N	30.56E	0	1.7L		
IDC	IX	17 09 52 04.3–2.1	60.32N	30.13E	0	3.1,3.1		

ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=11.5km s-min=7.0km az=37.5.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=19.4km s-min=16.0km az=180.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IX**	**17 10 10 37.8–1.4**	**60.45N–.07**	**30.4E–.10**	**0**		**16**	**1-9**
HEL	IX	17 10 10 35.7–1.4	60.25N	30.66E	0	1.7L		**¶11910467**
IDC	IX	17 10 10 38.6–2.1	60.33N	30.18E	0	3.1L,3.0		

ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=7.5km s-min=11.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=21.1km s-min=15.7km az=177.0.

(460) Wyoming

ISC	**IX**	**17 18 01 02.6–.37**	**43.73N–.02**	**105.26W–.04**	**0**		**77**	**1-11**
ISCJB	IX	17 18 01 01.4–.38	43.76N–.02	105.21W–.04	0			**¶11910497**
NEIC	IX	17 18 01 03.3–.38	43.78N	105.20W	0	3.1L		
IDC	IX	17 18 01 06.0–1.0	44.76N	106.38W	0	3.8,3.5L		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=4.0km s-min=2.7km az=169.2.
NEIC Event type fm. Error ellipse: s-maj=5.0km s-min=4.7km az=52.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=62.1km s-min=8.3km az=140.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IX**	**18 08 24 17.4–1.3**	**59.99N–.06**	**30.7E–.10**	**0**		**47**	**2-10**
BER	IX	18 08 24 14.9–3.2	59.84N	31.32E	15–82	2.3L		**¶13394583**
CSEM	IX	18 08 24 15.7–1.0	59.97N	30.93E	1	1.9L		
ISCJB	IX	18 08 24 17.5–1.6	60.02N–.08	30.6E–.10	0	1.9L		
HEL	IX	18 08 24 19.7–.30	60.06N	30.61E	0	2.3L,1.9L		
IDC	IX	18 08 24 21.7–3.4	60.17N	30.33E	0	3.2,3.1		
NAO	IX	18 08 24 21.0–2.9	60.14N	30.30E		2.3L,3.1		

ISC Event type km.
BER Error ellipse: s-maj=61.7km s-min=88.2km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=21.7km s-min=11.9km az=135.0. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=12.7km s-min=7.5km az=143.5.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=33.8km s-min=18.6km az=134.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IX**	**18 09 09 52.0–1.2**	**60.35N–.06**	**30.5E–.10**	**0**		**38**	**1-9**
BER	IX	18 09 09 47.0–3.5	59.98N	30.98E	0–33	2.3L		**¶13394585**
HEL	IX	18 09 09 51.6	60.37N	30.76E	0	1.7L		
NAO	IX	18 09 09 52.0–3.0	60.16N	30.27E		2.3L		
CSEM	IX	18 09 09 52.9–.72	60.40N	30.55E	1	1.7L		
IDC	IX	18 09 09 53.8–3.4	60.27N	30.28E	0	3.1,3.0L		

ISC Event type km.
BER Error ellipse: s-maj=27.8km s-min=42.2km az=-1.0.
HEL Event type kh. Explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=15.3km s-min=12.0km az=151.0. Mining explosion.
IDC Error ellipse: s-maj=33.5km s-min=17.6km az=132.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC	**IX**	**18 10 09 57.9–1.3**	**60.19N–.08**	**30.4E–.10**	**0**		**45**	**1-10**
BER	IX	18 10 09 54.8–.96	59.95N	31.44E	31–89	2.4L		**¶13394591**
NAO	IX	18 10 09 57.4–3.7	60.10N	30.28E		2.4L		
HEL	IX	18 10 09 58.6–.10	60.17N	30.41E	0	2.4L,1.9L		
CSEM	IX	18 10 09 58.2–.81	60.21N	30.48E	1	1.9L,1.9L		
IDC	IX	18 10 09 59.7–3.5	60.25N	30.27E	0	3.2,3.0		

ISC Event type km.
BER Error ellipse: s-maj=40.7km s-min=62.0km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=0.6km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=17.3km s-min=8.9km az=148.0. Mining explosion.
IDC Error ellipse: s-maj=38.0km s-min=19.5km az=155.0.

(543) Germany

ISC	**IX**	**18 14 33 16.2–.46**	**51.54N–.02**	**6.41E–.03**	**0**		**127**	**0-9**
ISCJB	IX	18 14 33 15.6–.48	51.52N–.02	6.43E–.04	0			**¶11302784**
LDG	IX	18 14 33 16.4–.14	51.61N	6.57E	1–0	3.2L		
BUG	IX	18 14 33 16.7	51.59N	6.58E	1	2.3L		
CSEM	IX	18 14 33 16.0–.31	51.55N	6.41E	1	3.4L		
NEIC	IX	18 14 33 16.4	51.61N	6.57E	1	3.2L,2.6L		
BNS	IX	18 14 33 17.9–.82	51.54N	6.56E	1	2.3L,2.6L		
BGR	IX	18 14 33 18.6–.60	51.48N	6.64E	1	2.6L,2.6L		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.7km s-min=2.8km az=39.2.
LDG Event type sr. Error ellipse: s-maj=2.1km s-min=1.4km az=5.0. Suspected Mining induced.
BUG Event type ki.
CSEM Event type ki. Error ellipse: s-maj=5.4km s-min=4.1km az=141.0.
NEIC Event type se. After LDG.
BNS Event type ki.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=3.3km az=132.0.

(548) Poland

ISC	**IX**	**18 21 39 39.2–.56**	**50.42N–.04**	**18.88E–.03**	**0**		**50**	**1-15**
ISCJB	IX	18 21 39 38.1–.63	50.43N–.04	18.87E–.03	0			**¶11339065**
CSEM	IX	18 21 39 39.2–.24	50.43N	18.87E	2	2.7L		
IPEC	IX	18 21 39 39.4–.23	50.40N	18.92E	0–1	1.8L		
WAR	IX	18 21 39 39.6	50.36N	18.93E		1.8L		
IDC	IX	18 21 39 40.9–1.6	50.32N	18.87E	0	3.2,3.1		
PRU	IX	18 21 39 40.3	50.40N	18.86E	0	3.2,3.1		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=2.8km az=13.8.
CSEM Event type ki. Error ellipse: s-maj=5.4km s-min=2.2km az=11.0.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=1.2km az=171.0.
IDC Error ellipse: s-maj=28.8km s-min=11.5km az=140.0.
PRU Event type ki.

(723) Finland-Karelia border region

ISC	**IX**	**19 09 32 19.2–.78**	**61.15N–.05**	**29.95E–.10**	**0**		**70**	**1-9**
ISCJB	IX	19 09 32 18.5–.79	61.20N–.05	29.67E–.10	0			**¶13394685**
HEL	IX	19 09 32 18.8–.20	61.10N	30.10E	0	2.2L,2.0L		
BER	IX	19 09 32 18.9–3.7	61.04N	30.00E	0–22	2.2L,2.0L		
IDC	IX	19 09 32 19.2–1.8	61.05N	29.86E	0	3.3,3.3		
NAO	IX	19 09 32 20.5–2.0	61.13N	29.86E		2.2L,3.3		
CSEM	IX	19 09 32 20.0–.39	61.25N	29.79E	2	2.0L,3.3		
UPP	IX	19 09 32 24.4	61.00N	29.36E	0	2.0L,3.3		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=8.6km s-min=5.1km az=137.7.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. Explosion.
BER Error ellipse: s-maj=19.3km s-min=36.1km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=11.3km az=160.0.
NAO Error ellipse: s-maj=0.1km s-min=0.0km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=9.2km s-min=4.9km az=131.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.

(547) Czech and Slovak Republics

WAR	**IX**	**19 10 26 44.4**	**50.23N**	**18.91E**				
PRU	IX	19 10 26 43.4	50.40N	18.83E	0			**¶11339074**

PRU Event type ki.

(460) Wyoming

ISC	**IX**	**19 18 07 36.7–.29**	**43.70N–.02**	**105.26W–.03**	**0**	**4.0b**	**120**	**1-90**
IDC	IX	19 18 07 33.4–2.2	43.25N	105.20W	0	4.1,4.0		**¶11910640**

ISCJB	IX	19 18 07 35.3–.31	43.73N–.02	105.23W–.03	0	4.0b,4.0		
NEIC	IX	19 18 07 36.7–.28	43.73N	105.23W	0	3.4L,4.0		
ISC		Event type fm.						
IDC		Error ellipse: s-maj=52.2km s-min=7.1km az=154.0.						
ISCJB		Event type fm. Error ellipse: s-maj=3.1km s-min=2.2km az=171.5.						
NEIC		Event type fm. Error ellipse: s-maj=4.1km s-min=3.5km az=156.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.						
		(548) Poland						
ISC	**IX**	**19 19 23 14.1–.71**	**50.28N–.05**	**18.68E–.04**	**0**		**24**	**1-4**
ISCJB	IX	19 19 23 13.4–.71	50.30N–.05	18.68E–.05	0			**¶11339079**
CSEM	IX	19 19 23 13.7–.24	50.33N	18.66E	2	2.5L		
IPEC	IX	19 19 23 14.1–.21	50.28N	18.72E	2–1	1.8L		
WAR	IX	19 19 23 14.1	50.24N	18.75E		1.8L		
PRU	IX	19 19 23 14.0	50.34N	18.66E	0	1.8L		
ISC		Event type ki.						
ISCJB		Event type ki. Error ellipse: s-maj=7.1km s-min=4.2km az=175.4.						
CSEM		Event type ki. Error ellipse: s-maj=6.0km s-min=3.2km az=171.0.						
IPEC		Event type ki. Error ellipse: s-maj=2.3km s-min=1.1km az=167.0.						
PRU		Event type ki.						
		(548) Poland						
ISC	**IX**	**19 23 35 54.0–.52**	**50.08N–.04**	**19.09E–.03**	**0**		**45**	**0-4**
ISCJB	IX	19 23 35 53.4–.54	50.06N–.04	19.11E–.03	0			**¶11339084**
CSEM	IX	19 23 35 53.6–.29	50.17N	19.06E	2	2.6L		
IPEC	IX	19 23 35 53.7–.19	50.19N	19.08E	0–1	1.8L		
WAR	IX	19 23 35 54.1	50.08N	19.15E		1.8L		
PRU	IX	19 23 35 54.4	50.15N	19.07E	0	1.8L		
ISC		Event type ki.						
ISCJB		Event type ki. Error ellipse: s-maj=6.2km s-min=2.8km az=5.5.						
CSEM		Event type ki. Error ellipse: s-maj=8.0km s-min=3.1km az=6.0.						
IPEC		Event type ki. Error ellipse: s-maj=2.8km s-min=1.1km az=167.0.						
PRU		Event type ki.						
		(548) Poland						
ISC	**IX**	**20 03 37 49.7–.44**	**51.49N–.02**	**16.12E–.02**	**0**		**138**	**1-6**
ISCJB	IX	20 03 37 48.4–.42	51.43N–.02	16.11E–.02	0			**¶11339088**
IPEC	IX	20 03 37 48.6–.28	51.59N	16.21E	0	2.4L		
CSEM	IX	20 03 37 49.8–.23	51.48N	16.10E	2	3.5L		
NEIC	IX	20 03 37 49.2–1.5	51.61N	16.14E	5	3.0L,2.7L		
WAR	IX	20 03 37 50.5	51.52N	16.12E		2.8L,2.7L		
BGR	IX	20 03 37 50.6–.66	51.53N	16.12E	1	3.0L,2.7L		
PRU	IX	20 03 37 51.2	51.45N	16.14E	0	3.0L,2.7L		
VIE	IX	20 03 37 52.6–.82	51.24N	16.08E	0–0	3.0L,2.6b		
ISC		Event type kr.						
ISCJB		Event type kr. Error ellipse: s-maj=3.6km s-min=1.9km az=17.5.						
IPEC		Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=35.0.						
CSEM		Event type ki. Error ellipse: s-maj=4.6km s-min=2.2km az=19.0.						
NEIC		Event type se. Error ellipse: s-maj=22.8km s-min=7.0km az=187.0.						
WAR		Event type kr. Mining Induced.						
BGR		Event type ki. Error ellipse: s-maj=6.7km s-min=5.6km az=3.0.						
PRU		Event type ki. Felt In Harrachov.						
VIE		Event type sr. Error ellipse: s-maj=5.3km s-min=4.7km az=8.0. 66 km WNW of Wroclaw . Suspected Mining induced.						
		(548) Poland						
PRU	**IX**	**20 03 55 42.9**	**50.38N**	**18.88E**	**0**			
CSEM	IX	20 03 55 41.7–.28	50.44N	18.86E	2	2.4L		**¶11339089**
IPEC	IX	20 03 55 42.8–.24	50.36N	18.93E	8–2	1.4L		
WAR	IX	20 03 55 42.5	50.36N	18.93E		1.4L		
PRU		Event type ki.						
CSEM		Event type ki. Error ellipse: s-maj=6.3km s-min=3.0km az=177.0.						
IPEC		Event type ki. Error ellipse: s-maj=2.7km s-min=1.1km az=170.0.						
		(460) Wyoming						
ISC	**IX**	**23 19 59 03.6–.27**	**43.78N–.02**	**105.30W–.03**	**0**		**138**	**1-11**
ISCJB	IX	23 19 59 01.8–.28	43.80N–.02	105.25W–.03	0			**¶11910899**
NEIC	IX	23 19 59 03.0–.30	43.82N	105.24W	0	3.2L		
IDC	IX	23 19 59 03.5–1.5	43.89N	105.59W	0	3.9,3.6		
ISC		Event type fm.						
ISCJB		Event type fm. Error ellipse: s-maj=3.1km s-min=2.2km az=177.3.						
NEIC		Event type fm. Error ellipse: s-maj=4.1km s-min=3.7km az=141.0. 55 km [35 miles] SSE of Gillette. Suspected Mining explosion.						
IDC		Error ellipse: s-maj=44.4km s-min=7.7km az=147.0.						
		(548) Poland						
ISC	**IX**	**23 22 13 36.6–.67**	**50.27N–.04**	**18.82E–.03**	**0**		**33**	**1-4**
ISCJB	IX	23 22 13 35.5–.68	50.28N–.04	18.83E–.04	0			**¶11302876**
CSEM	IX	23 22 13 35.7–.55	50.33N	18.82E	1	2.5L		
PRU	IX	23 22 13 36.4	50.33N	18.80E	0	2.5L		
ISC		Event type ki.						
ISCJB		Event type ki. Error ellipse: s-maj=6.2km s-min=3.1km az=10.9.						
CSEM		Event type ki. Error ellipse: s-maj=9.7km s-min=4.6km az=21.0.						
PRU		Event type ki.						
		(723) Finland-Karelia border region						
ISC	**IX**	**24 08 59 47.9–.68**	**64.72N–.03**	**30.6E–.10**	**0**		**43**	**1-10**
ISCJB	IX	24 08 59 47.2–.67	64.73N–.03	30.7E–.10	0			**¶13395089**
HEL	IX	24 08 59 48.7–.10	64.71N	30.66E	0	2.0L,1.9L		
IDC	IX	24 08 59 51.6–2.5	64.92N	30.92E	0	3.2,3.2		
NAO	IX	24 08 59 53.7–1.1	65.05N	30.70E		2.0L,3.2		
CSEM	IX	24 08 59 53.1–.47	65.04N	30.26E	1	1.9L,3.2		
BER	IX	24 08 59 55.5–3.1	65.06N	30.79E	0–22	2.0L,3.2		
ISC		Event type km.						
ISCJB		Event type km. Error ellipse: s-maj=7.0km s-min=4.4km az=6.2.						
HEL		Event type kh. Error ellipse: s-maj=0.5km s-min=0.9km az=-1.0. Explosion.						
IDC		Error ellipse: s-maj=36.2km s-min=10.1km az=95.0.						
NAO		Error ellipse: s-maj=0.1km s-min=0.0km az=-1.0.						
CSEM		Event type km. Error ellipse: s-maj=11.5km s-min=5.1km az=115.0. Mining explosion.						
BER		Error ellipse: s-maj=10.2km s-min=40.5km az=-1.0.						
		(548) Poland						
ISC	**IX**	**24 16 53 16.0–.59**	**50.16N–.04**	**19.04E–.03**	**0**		**38**	**0-4**
ISCJB	IX	24 16 53 14.5–.61	50.20N–.04	19.01E–.03	0			**¶11302910**
CSEM	IX	24 16 53 15.9–.60	50.19N	19.01E	2	2.6L		
PRU	IX	24 16 53 16.6	50.18N	19.04E	0	2.6L		
ISC		Event type ki.						
ISCJB		Event type ki. Error ellipse: s-maj=6.4km s-min=2.6km az=10.0.						
CSEM		Event type ki. Error ellipse: s-maj=13.8km s-min=5.1km az=14.0.						
PRU		Event type ki.						
		(460) Wyoming						
ISC	**IX**	**24 18 31 58.4–.34**	**43.68N–.02**	**105.29W–.03**	**0**		**106**	**1-61**
ISCJB	IX	24 18 31 57.1–.35	43.70N–.02	105.24W–.03	0			**¶11910945**
NEIC	IX	24 18 31 58.6–.62	43.71N	105.26W	0	3.2L		
IDC	IX	24 18 31 59.5–1.2	44.44N	106.30W	0	4.4b,4.3		
ISC		Event type fm.						
ISCJB		Event type fm. Error ellipse: s-maj=3.2km s-min=2.2km az=168.7.						
NEIC		Event type fm. Error ellipse: s-maj=8.3km s-min=6.6km az=129.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.						
IDC		Error ellipse: s-maj=69.3km s-min=9.0km az=140.0.						
		(547) Czech and Slovak Republics						
ISC	**IX**	**25 00 29 02.3–.41**	**49.83N–.03**	**18.42E–.03**	**0**		**47**	**0-3**
ISCJB	IX	25 00 29 01.2–.42	49.84N–.03	18.41E–.03	0			**¶11313757**
IPEC	IX	25 00 29 02.7–.11	49.83N	18.49E	9–1	1.6L		
CSEM	IX	25 00 29 02.3–.23	49.84N	18.42E	1	2.5L		
PRU	IX	25 00 29 03.2	49.87N	18.38E	0	2.5L		
ISC		Event type kr.						
ISCJB		Event type kr. Error ellipse: s-maj=4.5km s-min=2.4km az=10.8.						
IPEC		Event type ki. Error ellipse: s-maj=1.1km s-min=0.7km az=174.0.						
CSEM		Event type kr. Error ellipse: s-maj=5.7km s-min=3.3km az=9.0. Mining induced.						
PRU		Event type kr. Rockburst In Region Felt In Orlova. Mining induced.						
		(548) Poland						
ISC	**IX**	**25 03 50 30.8–.27**	**51.49N–.02**	**16.13E–.02**	**0**		**240**	**1-19**
ISCJB	IX	25 03 50 29.4–.29	51.45N–.02	16.12E–.02	0			**¶13395143**
CSEM	IX	25 03 50 30.9–.12	51.49N	16.10E	2	3.7L		
NEIC	IX	25 03 50 30.6–.42	51.60N	16.06E	5	3.0L		
IDC	IX	25 03 50 30.3–.63	51.38N	15.70E	0	3.6,3.5		
BGR	IX	25 03 50 31.8–.85	51.48N	16.15E	1	3.1L,3.5		
WAR	IX	25 03 50 32.4	51.48N	16.10E		3.1L,3.5		
PRU	IX	25 03 50 32.1	51.45N	16.12E	0	3.1L,3.5		
IPEC	IX	25 03 50 32.2–.18	51.46N	16.12E	8–1	2.7L,3.5		
VIE	IX	25 03 50 33.4–.45	51.27N	16.12E	0–0	3.3L,2.6b		
LDG	IX	25 03 50 35.2–.12	51.21N	15.81E	1–0	3.6L,2.6b		
ISC		Event type kr.						
ISCJB		Event type kr. Error ellipse: s-maj=2.5km s-min=1.8km az=24.2.						
CSEM		Event type ki. Error ellipse: s-maj=2.6km s-min=1.9km az=20.0.						
NEIC		Event type se. Error ellipse: s-maj=7.1km s-min=5.5km az=3.0.						
IDC		Error ellipse: s-maj=10.0km s-min=6.0km az=97.0.						
BGR		Event type ki. Error ellipse: s-maj=12.2km s-min=8.9km az=171.0.						
WAR		Event type kr. Mining Induced.						
PRU		Event type ki. Felt In Harrachov.						
IPEC		Event type ki. Error ellipse: s-maj=1.2km s-min=0.5km az=39.0.						
VIE		Event type sr. Error ellipse: s-maj=2.9km s-min=2.4km az=9.0. 65 km WNW of Wroclaw . Suspected Mining induced.						
LDG		Event type sr. Error ellipse: s-maj=3.8km s-min=2.1km az=179.0. Suspected Mining induced.						
		(548) Poland						
ISC	**IX**	**25 06 23 42.4–.71**	**51.46N–.04**	**16.10E–.04**	**0**		**62**	**1-4**
ISCJB	IX	25 06 23 40.9–.71	51.43N–.04	16.11E–.04	0			**¶11313763**
CSEM	IX	25 06 23 42.3–.26	51.46N	16.11E	2	3.4L		
IPEC	IX	25 06 23 42.7–.21	51.49N	16.16E	5–0	2.3L		
WAR	IX	25 06 23 43.5	51.48N	16.10E		2.6L		
PRU	IX	25 06 23 44.6	51.40N	16.15E	0	2.6L		
VIE	IX	25 06 23 44.5–.56	51.23N	16.11E	0–0	2.8L,2.2b		
ISC		Event type kr.						
ISCJB		Event type kr. Error ellipse: s-maj=5.5km s-min=2.9km az=16.5.						
CSEM		Event type ki. Error ellipse: s-maj=4.4km s-min=2.6km az=20.0.						
IPEC		Event type ki. Error ellipse: s-maj=1.4km s-min=0.7km az=25.0.						
WAR		Event type kr. Mining Induced.						
PRU		Event type ki.						
VIE		Event type sr. Error ellipse: s-maj=3.5km s-min=3.0km az=177.0. 64 km WNW of Wroclaw . Suspected Mining induced.						
		(548) Poland						
ISC	**IX**	**25 06 24 41.0–.85**	**51.44N–.04**	**16.11E–.03**	**0**		**45**	**1-3**
ISCJB	IX	25 06 24 39.5–.83	51.42N–.04	16.11E–.03	0			**¶11313764**
IPEC	IX	25 06 24 40.1–.25	51.51N	16.22E	0	2.3L		
CSEM	IX	25 06 24 41.3–.28	51.42N	16.13E	1	3.3L		
WAR	IX	25 06 24 41.5	51.48N	16.10E		2.7L		
PRU	IX	25 06 24 42.2	51.41N	16.08E	0	2.7L		
ISC		Event type kr.						
ISCJB		Event type kr. Error ellipse: s-maj=6.1km s-min=2.9km az=12.5.						
IPEC		Event type ki. Error ellipse: s-maj=1.8km s-min=1.0km az=33.0.						
CSEM		Event type ki. Error ellipse: s-maj=4.4km s-min=2.4km az=6.0.						
WAR		Event type kr. Mining Induced.						
PRU		Event type ki.						
		(548) Poland						
ISC	**IX**	**25 09 46 32.8–.57**	**50.28N–.04**	**18.81E–.03**	**0**		**45**	**1-4**
ISCJB	IX	25 09 46 31.7–.58	50.30N–.04	18.79E–.03	0			**¶11313767**
CSEM	IX	25 09 46 32.6–.23	50.27N	18.84E	2	2.7L		
IPEC	IX	25 09 46 32.6–.16	50.26N	18.87E	1–1	1.9L		
WAR	IX	25 09 46 32.6	50.24N	18.92E		1.9L		
PRU	IX	25 09 46 33.8	50.26N	18.80E	0	1.9L		
ISC		Event type ki.						
ISCJB		Event type ki. Error ellipse: s-maj=5.9km s-min=2.8km az=11.8.						
CSEM		Event type ki. Error ellipse: s-maj=5.5km s-min=2.7km az=7.0.						
IPEC		Event type ki. Error ellipse: s-maj=2.2km s-min=0.8km az=170.0.						
PRU		Event type ki.						
		(548) Poland						
ISC	**IX**	**25 12 40 48.0–.53**	**50.19N–.04**	**18.96E–.03**	**0**		**50**	**1-4**
ISCJB	IX	25 12 40 46.8–.55	50.20N–.04	18.93E–.03	0			**¶11313770**
CSEM	IX	25 12 40 47.6–.20	50.22N	18.96E	2	2.8L		
IPEC	IX	25 12 40 48.0–.13	50.19N	18.99E	4–1	1.9L		
WAR	IX	25 12 40 48.1	50.23N	19.03E		1.9L		
PRU	IX	25 12 40 48.9	50.21N	18.93E	0	1.9L		
ISC		Event type ki.						
ISCJB		Event type ki. Error ellipse: s-maj=5.5km s-min=2.7km az=10.9.						
CSEM		Event type ki. Error ellipse: s-maj=4.6km s-min=2.4km az=12.0.						
IPEC		Event type ki. Error ellipse: s-maj=1.5km s-min=0.7km az=169.0.						
PRU		Event type ki.						
		(548) Poland						
ISC	**IX**	**25 21 50 46.9–.49**	**50.07N–.04**	**19.10E–.03**	**0**		**45**	**0-4**
ISCJB	IX	25 21 50 46.2–.53	50.06N–.04	19.12E–.03	0			**¶11313772**
IPEC	IX	25 21 50 46.6–.12	50.06N	19.15E	4–1	1.5L		
CSEM	IX	25 21 50 46.3–.25	50.17N	19.04E	2	2.5L		
WAR	IX	25 21 50 46.6	50.08N	19.16E		2.5L		
PRU	IX	25 21 50 47.3	50.13N	19.01E	0	2.5L		
ISC		Event type ki.						
ISCJB		Event type ki. Error ellipse: s-maj=5.8km s-min=2.8km az=9.4.						
IPEC		Event type ki. Error ellipse: s-maj=1.6km s-min=0.7km az=161.0.						
CSEM		Event type ki. Error ellipse: s-maj=6.2km s-min=3.0km az=5.0.						
PRU		Event type ki.						
		(723) Finland-Karelia border region						
ISC	**IX**	**26 08 59 38.9–.68**	**64.77N–.02**	**30.3E–.10**	**0**		**56**	**1-9**
ISCJB	IX	26 08 59 37.3–.71	64.74N–.03	30.1E–.10	0			**¶13395243**
IDC	IX	26 08 59 40.0–2.0	64.72N	30.71E	0	3.2,3.1		
HEL	IX	26 08 59 39.0–.40	64.77N	30.77E	0	1.9L,3.1		
NAO	IX	26 08 59 40.3–1.3	64.77N	30.26E		2.1L,3.1		
CSEM	IX	26 08 59 40.9–.21	64.90N	30.29E	2	1.9L,3.1		
ISC		Event type km.						
ISCJB		Event type km. Error ellipse: s-maj=6.8km s-min=3.6km az=16.6.						
IDC		Error ellipse: s-maj=28.0km s-min=8.5km az=103.0.						
HEL		Event type kh. Error ellipse: s-maj=1.3km s-min=6.5km az=-1.0. Explosion.						
NAO		Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.						
CSEM		Event type km. Error ellipse: s-maj=5.7km s-min=2.6km az=104.0. Mining explosion.						
		(548) Poland						
ISC	**IX**	**27 10 43 49.9–.38**	**51.44N–.02**	**16.18E–.02**	**0**		**187**	**1-19**
ISCJB	IX	27 10 43 49.2–.43	51.37N–.02	16.11E–.02	0			**¶11313792**
NEIC	IX	27 10 43 49.9–.72	51.52N	16.30E	5	3.1L		
IPEC	IX	27 10 43 50.7–.27	51.45N	16.20E	1–1	2.3L		
CSEM	IX	27 10 43 50.0–.19	51.43N	16.18E	2	3.4L		
IDC	IX	27 10 43 51.0–.80	51.41N	16.14E	0	3.6,3.5		
BGR	IX	27 10 43 51.2–.27	51.42N	16.17E	1	3.1L,3.5		
WAR	IX	27 10 43 51.1	51.45N	16.18E		2.7L,3.5		
PRU	IX	27 10 43 51.6	51.39N	16.16E	0	2.7L,3.5		
VIE	IX	27 10 43 52.2–.49	51.28N	16.21E	0–0	3.0L,2.4b		
ISC		Event type kr.						
ISCJB		Event type kr. Error ellipse: s-maj=3.5km s-min=1.9km az=24.0.						
NEIC		Event type se. Error ellipse: s-maj=11.6km s-min=6.9km az=61.0.						
IPEC		Event type ki. Error ellipse: s-maj=1.7km s-min=0.6km az=26.0.						
CSEM		Event type ki. Error ellipse: s-maj=3.7km s-min=2.2km az=27.0.						
IDC		Error ellipse: s-maj=16.3km s-min=7.1km az=101.0.						
BGR		Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=20.0.						
WAR		Event type kr. Mining Induced.						
PRU		Event type ki.						
VIE		Event type sr. Error ellipse: s-maj=3.8km s-min=3.1km az=74.0. 59 km WNW of Wroclaw . Suspected Mining induced.						
		(543) Germany						
ISC	**IX**	**28 00 02 21.1–.18**	**49.33N–.01**	**6.72E–.02**	**0**		**322**	**0-7**
ISCJB	IX	28 00 02 20.2–.19	49.31N–.01	6.74E–.02	0			**¶11313799**
CSEM	IX	28 00 02 21.3–.09	49.32N	6.75E	1	3.1L		
STR	IX	28 00 02 22.3–.23	49.33N	6.80E	1–0	2.7L		
BNS	IX	28 00 02 22.4–1.3	49.33N	6.86E	2–12	2.4L		
BGR	IX	28 00 02 22.5–.20	49.36N	6.81E	1	2.6L		
NEIC	IX	28 00 02 22.1	49.33N	6.79E	1	3.0L,2.7L		
LDG	IX	28 00 02 22.6–.05	49.34N	6.79E	1–0	3.0L,2.9		
VIE	IX	28 00 02 26.2–.60	49.34N	7.19E	9–2	2.6L,2.9		
PRU	IX	28 00 02 26.3	49.37N	7.06E	18	2.6L,2.9		
ISC		Event type sr.						
ISCJB		Event type sr. Error ellipse: s-maj=1.9km s-min=1.6km az=3.2.						
CSEM		Event type ki. Error ellipse: s-maj=2.1km s-min=1.8km az=114.0.						
STR		Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.						

BNS Event type ki.
BGR Event type ki. Error ellipse: s-maj=2.2km s-min=2.2km az=53.0.
NEIC Event type se. After STR.
LDG Event type sr. Error ellipse: s-maj=1.0km s-min=0.9km az=114.0. Suspected Mining induced.
VIE Error ellipse: s-maj=3.6km s-min=2.9km az=76.0. 18 km NE of Saarbrcken .

(548) Poland

ISC	**IX**	**28 18 10 47.9–.48**	**51.58N–.02**	**16.05E–.03**	**0**		**114**	**1-5**
NEIC	IX	28 18 10 46.5–1.3	51.69N	16.30E	5	2.9L		**¶11313824**
ISCJB	IX	28 18 10 47.0–.49	51.53N–.02	16.02E–.03	0	2.9L		
IPEC	IX	28 18 10 47.8–.33	51.65N	16.16E	0–1	2.6L		
CSEM	IX	28 18 10 47.9–.21	51.58N	16.05E	2	3.5L		
PRU	IX	28 18 10 48.8	51.57N	16.05E	0	3.5L		
WAR	IX	28 18 10 49.6	51.58N	15.99E		2.8L		
VIE	IX	28 18 10 51.3–.52	51.33N	16.06E	0–0	3.0L,2.2b		

ISC Event type kr.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=7.3km az=214.0.
ISCJB Event type kr. Error ellipse: s-maj=3.7km s-min=2.5km az=30.7.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.6km az=32.0.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=2.7km az=36.0.
PRU Event type ki. Felt In Harrachov.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=3.3km s-min=3.1km az=170.0. 71 km WNW of Wroclaw . Suspected Mining induced.

(460) Wyoming

ISC	**IX**	**28 20 07 12.0–.39**	**43.74N–.04**	**105.21W–.05**	**0**	**4.1b**	**53**	**1-85**
IDC	IX	28 20 07 09.1–3.7	43.33N	104.98W	0	3.9b,3.9		**¶11911292**
ISCJB	IX	28 20 07 10.5–.41	43.72N–.04	105.25W–.05	0	4.1b,3.9		
NEIC	IX	28 20 07 12.0–.32	43.74N	105.21W	0	3.4L,3.9		

ISC Event type fm.
IDC Error ellipse: s-maj=138.3km s-min=14.8km az=142.0.
ISCJB Event type fm. Error ellipse: s-maj=5.2km s-min=5.1km az=135.5.
NEIC Event type fm. Error ellipse: s-maj=4.5km s-min=4.0km az=148.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**IX**	**29 11 26 40.3–.31**	**51.52N–.02**	**16.16E–.02**	**0**	**3.4b**	**220**	**1-46**
ISCJB	IX	29 11 26 39.3–.36	51.46N–.02	16.12E–.02	0	3.4b		**¶11322814**
IDC	IX	29 11 26 40.6–.70	51.52N	15.93E	0	3.6,3.5		
CSEM	IX	29 11 26 40.7–.17	51.50N	16.14E	2	3.7L,3.5		
NEIC	IX	29 11 26 40.0–.55	51.61N	16.25E	5	3.3L,3.5		
BGR	IX	29 11 26 42.0–.34	51.50N	16.13E	1	3.3L,3.5		
IPEC	IX	29 11 26 41.2–.35	51.51N	16.25E	0	2.7L,3.5		
WAR	IX	29 11 26 42.0	51.51N	16.12E		2.9L,3.5		
PRU	IX	29 11 26 42.3	51.47N	16.11E	0	2.9L,3.5		
VIE	IX	29 11 26 44.0–.49	51.24N	16.12E	0–0	3.1L,2.8b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.1km s-min=1.9km az=15.7.
IDC Error ellipse: s-maj=14.1km s-min=7.1km az=114.0.
CSEM Event type ki. Error ellipse: s-maj=3.5km s-min=2.1km az=18.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.2km az=200.0.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=18.0.
IPEC Event type ki. Error ellipse: s-maj=3.9km s-min=2.0km az=86.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.1km s-min=2.8km az=0.0. 64 km WNW of Wroclaw . Suspected Mining induced.

(544) Switzerland

ZUR	**IX**	**30 14 32 51.4**	**46.38N**	**6.92E**	**-0–2**	**1.1L**	
CSEM	IX	30 14 32 51.4	46.38N	6.92E	-0	1.1L	**¶12065666**

ZUR Event type sm. Suspected Mining explosion.
CSEM Event type sm. Suspected Mining explosion. After ZUR.

(547) Czech and Slovak Republics

ISC	**IX**	**30 15 48 54.5–.38**	**49.83N–.02**	**18.42E–.03**	**0**		**84**	**0-4**
ISCJB	IX	30 15 48 53.2–.39	49.83N–.02	18.35E–.03	0			**¶11322829**
IPEC	IX	30 15 48 54.4–.18	49.81N	18.52E	0	2.3L		
CSEM	IX	30 15 48 54.0–.18	49.84N	18.44E	2	3.0L		
VIE	IX	30 15 48 55.6–.64	49.69N	18.38E	0–0	2.5L,2.2b		
PRU	IX	30 15 48 56.0	49.83N	18.37E	0	2.5L,2.2b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.4km s-min=2.3km az=19.6.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
CSEM Event type ki. Error ellipse: s-maj=3.6km s-min=2.5km az=17.0.
VIE Event type sr. Error ellipse: s-maj=4.2km s-min=2.2km az=94.0. 18 km SSE of Ostrava . Suspected Mining induced.
PRU Event type kr. Rockburst In Mine Lazy- Region, Felt In Orlova. Mining induced.

(460) Wyoming

ISC	**X**	**01 20 01 17.7–.24**	**43.67N–.01**	**105.27W–.03**	**0**	**4.6b**	**144**	**1-68**
ISCJB	X	01 20 01 16.2–.24	43.70N–.01	105.25W–.03	0	4.6b		**¶11911580**
IDC	X	01 20 01 16.9–4.2	43.91N	105.59W	0	4.4b,4.2		
NEIC	X	01 20 01 17.3–.40	43.72N	105.26W	0	3.4L,4.2		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=3.0km s-min=1.9km az=174.9.
IDC Error ellipse: s-maj=193.5km s-min=12.3km az=142.0.
NEIC Event type fm. Error ellipse: s-maj=6.7km s-min=4.8km az=158.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

WAR	**X**	**02 00 18 46.5**	**50.23N**	**18.91E**				
PRU	X	02 00 18 46.6	50.26N	18.82E	0			**¶11330072**
CSEM	X	02 00 18 46.2–.44	50.26N	18.78E	2	2.5L		

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=11.8km s-min=4.6km az=2.0.

(548) Poland

ISC	**X**	**02 01 27 07.4–.46**	**50.07N–.03**	**18.40E–.03**	**0**		**49**	**0-3**
ISCJB	X	02 01 27 05.9–.47	50.08N–.03	18.39E–.03	0			**¶11330075**
IPEC	X	02 01 27 07.5–.17	50.06N	18.44E	2–2	1.9L		
CSEM	X	02 01 27 07.3–.22	50.06N	18.41E	1	2.7L		
WAR	X	02 01 27 07.5	50.05N	18.45E		2.7L		
PRU	X	02 01 27 08.4	50.09N	18.36E	0	2.7L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.3km s-min=2.6km az=11.2.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=160.0.
CSEM Event type ki. Error ellipse: s-maj=5.0km s-min=2.7km az=5.0.
PRU Event type ki.

(547) Czech and Slovak Republics

ISC	**X**	**02 04 17 38.4–.40**	**49.84N–.03**	**18.43E–.03**	**0**		**56**	**0-3**
ISCJB	X	02 04 17 37.0–.42	49.83N–.03	18.39E–.03	0			**¶11330077**
IPEC	X	02 04 17 37.9–.18	49.81N	18.57E	0–3	2.1L		
PRU	X	02 04 17 38.7	49.89N	18.46E	0	2.1L		
CSEM	X	02 04 17 38.0–.28	49.83N	18.45E	1	2.6L		
VIE	X	02 04 17 39.8–.53	49.68N	18.40E	0–0	2.3L,2.0b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.8km s-min=2.6km az=8.5.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type kr. Rockburst In Region-felt In Orlova. Mining induced.
CSEM Event type kr. Error ellipse: s-maj=5.6km s-min=3.8km az=8.0. Mining induced.
VIE Event type sr. Error ellipse: s-maj=3.5km s-min=2.1km az=96.0. 20 km SSE of Ostrava . Suspected Mining induced.

(537) Baltic Sea

ISC	**X**	**02 11 36 49.3–.40**	**58.83N–.03**	**18.49E–.05**	**0**		**81**	**1-11**
UPP	X	02 11 36 48.3	58.76N	18.67E	0	2.3L		**¶13395776**
ISCJB	X	02 11 36 48.1–.43	58.77N–.03	18.68E–.05	0	2.3L		
CSEM	X	02 11 36 49.5–.20	58.81N	18.53E	2	2.6L		
HEL	X	02 11 36 49.8–.10	58.78N	18.57E	0	2.7L,2.6L		
NAO	X	02 11 36 50.7–2.1	58.81N	18.72E		2.7L,2.6L		
IDC	X	02 11 36 52.5–1.8	59.04N	18.50E	0	3.3,3.2		
BER	X	02 11 36 53.9–6.1	58.90N	18.73E	0–29	2.7L,3.2		

ISC Event type km.
UPP Event type km. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=5.1km s-min=3.6km az=149.2.
CSEM Event type km. Error ellipse: s-maj=5.6km s-min=4.0km az=149.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=21.8km s-min=7.5km az=177.0.
BER Error ellipse: s-maj=41.9km s-min=25.2km az=-1.0.

(537) Baltic Sea

ISC	**X**	**02 12 49 07.7–.77**	**58.92N–.05**	**18.63E–.08**	**0**		**47**	**1-11**
UPP	X	02 12 49 07.0	58.87N	18.59E	0	1.8L		**¶13395783**
ISCJB	X	02 12 49 07.1–.74	58.91N–.05	18.60E–.08	0	1.8L		
NAO	X	02 12 49 08.6–2.4	58.90N	18.64E		2.5L		
CSEM	X	02 12 49 08.0–.37	58.92N	18.58E	2	1.8L		
IDC	X	02 12 49 09.8–2.2	58.99N	18.58E	0	3.4,3.2L		
BER	X	02 12 49 09.7–4.0	58.82N	18.68E	0–21	2.5L,3.2L		
NEIC	X	02 12 49 14.1–1.5	59.51N	18.45E	10	2.5L,3.2L		

ISC Event type km.
UPP Event type km. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=7.5km s-min=5.2km az=24.9.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=8.7km s-min=5.7km az=22.0. Mining explosion.
IDC Error ellipse: s-maj=26.3km s-min=9.3km az=175.0.
BER Error ellipse: s-maj=35.2km s-min=16.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=7.8km az=167.0.

(547) Czech and Slovak Republics

ISC	**X**	**02 13 45 24.9–.40**	**49.81N–.03**	**18.45E–.03**	**0**		**45**	**0-3**
ISCJB	X	02 13 45 23.7–.41	49.81N–.03	18.43E–.03	0			**¶11330080**
IPEC	X	02 13 45 24.5–.18	49.84N	18.53E	0	1.9L		
PRU	X	02 13 45 24.9	49.87N	18.47E	0	1.9L		
CSEM	X	02 13 45 24.7–.23	49.86N	18.43E	2	2.5L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.9km s-min=2.5km az=8.7.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type kr. Rockburst In Region-felt In Orlova. Mining induced.
CSEM Event type kr. Error ellipse: s-maj=7.4km s-min=3.1km az=3.0. Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

HEL	**X**	**02 20 36 53.1–.50**	**67.66N**	**34.07E**	**0**	**1.6L**		**¶14338420**

HEL Event type kh. Error ellipse: s-maj=1.8km s-min=7.3km az=-1.0. Explosion.

(548) Poland

WAR	**X**	**02 23 46 00.4**	**50.08N**	**19.16E**				
IPEC	X	02 23 46 00.4–.17	50.19N	19.07E	0	1.7L		**¶14509515**
CSEM	X	02 23 46 00.6–.22	50.15N	19.06E	2	1.7L		

IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.1km az=167.0.
CSEM Event type ki. Error ellipse: s-maj=6.5km s-min=2.7km az=178.0.

(723) Finland-Karelia border region

ISC	**X**	**03 09 00 11.4–.68**	**64.76N–.02**	**30.4E–.10**	**0**		**51**	**1-9**
ISCJB	X	03 09 00 09.3–.70	64.72N–.02	30.3E–.10	0			**¶12065769**
IDC	X	03 09 00 12.6–2.5	64.74N	30.87E	0	3.0,2.9		
CSEM	X	03 09 00 12.3	64.82N	30.76E	0	1.8L,2.9		
HEL	X	03 09 00 12.3–.30	64.82N	30.76E	0	1.8L,2.9		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.3km s-min=3.2km az=9.1.
IDC Error ellipse: s-maj=36.8km s-min=8.7km az=101.0.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=5.5km az=-1.0. Explosion.

(548) Poland

ISC	**X**	**03 10 43 06.4–.34**	**51.55N–.02**	**16.13E–.03**	**0**		**150**	**1-19**
ISCJB	X	03 10 43 06.5–.45	51.42N–.02	16.10E–.03	0			**¶11330093**
IPEC	X	03 10 43 06.9–.28	51.54N	16.24E	0	2.9L		
CSEM	X	03 10 43 06.4–.18	51.55N	16.13E	2	3.9L,3.5s		
NEIC	X	03 10 43 06.7–.55	51.63N	16.17E	5	4.0L,3.5s		
WAR	X	03 10 43 08.5	51.51N	16.11E		3.0L,3.5s		
IDC	X	03 10 43 08.3–.67	51.51N	15.96E	0	3.6,3.5		
VIE	X	03 10 43 09.5–.41	51.35N	15.93E	0–0	3.5s,3.4L		
PRU	X	03 10 43 10.7	51.39N	16.11E	0	3.5s,3.4L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.6km s-min=2.2km az=12.2.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=40.0.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=3.3km az=130.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.1km az=103.0.
WAR Event type kr. Mining Induced.
IDC Error ellipse: s-maj=12.6km s-min=6.9km az=103.0.
VIE Event type sr. Error ellipse: s-maj=2.8km s-min=1.9km az=29.0. 80 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(460) Wyoming

ISC	**X**	**03 21 27 45.6–.40**	**43.68N–.03**	**105.18W–.05**	**0**		**40**	**1-68**
IDC	X	03 21 27 41.7–2.2	43.18N	105.13W	0	4.2,4.0		**¶12065822**
ISCJB	X	03 21 27 43.8–.42	43.69N–.03	105.16W–.05	0	4.2,4.0		
NEIC	X	03 21 27 45.8–.36	43.68N	105.21W	0	3.1L,4.0		

ISC Event type fm.
IDC Error ellipse: s-maj=50.2km s-min=8.2km az=156.0.
ISCJB Event type fm. Error ellipse: s-maj=5.1km s-min=4.9km az=43.8.
NEIC Event type fm. Error ellipse: s-maj=5.1km s-min=4.5km az=150.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

PRU	**X**	**04 17 19 56.6**	**51.52N**	**16.19E**	**0**			
CSEM	X	04 17 19 57.8	51.49N	16.18E	0			**¶11330109**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.

(460) Wyoming

ISC	**X**	**04 18 51 28.6–.43**	**43.71N–.04**	**105.22W–.05**	**0**	**3.6b**	**41**	**1-61**
ISCJB	X	04 18 51 27.0–.45	43.73N–.04	105.24W–.05	0	3.6b		**¶12065924**
IDC	X	04 18 51 27.2–1.6	43.70N	105.53W	0	3.8,3.6b		
NEIC	X	04 18 51 28.6–.36	43.71N	105.23W	0	3.0L,3.6b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=6.0km s-min=5.6km az=147.9.
IDC Error ellipse: s-maj=41.4km s-min=8.1km az=150.0.
NEIC Event type fm. Error ellipse: s-maj=5.2km s-min=4.6km az=144.0. 70 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**X**	**04 20 06 06.9–.38**	**43.75N–.04**	**105.26W–.05**	**0**	**4.4b**	**49**	**1-68**
ISCJB	X	04 20 06 04.7–.40	43.79N–.04	105.23W–.05	0	4.4b		**¶12065930**
IDC	X	04 20 06 04.5–2.1	43.57N	105.29W	0	4.1b,3.9		
NEIC	X	04 20 06 06.6–.34	43.78N	105.25W	0	3.1L,3.9		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.5km s-min=4.8km az=163.7.
IDC Error ellipse: s-maj=61.5km s-min=9.0km az=152.0.
NEIC Event type fm. Error ellipse: s-maj=4.9km s-min=4.3km az=169.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**X**	**04 21 33 37.3–.53**	**43.80N–.05**	**105.20W–.06**	**0**		**33**	**1-20**
IDC	X	04 21 33 34.4–2.2	43.48N	105.26W	0	3.6,3.4		**¶12065935**
ISCJB	X	04 21 33 36.3–.58	43.80N–.05	105.26W–.07	0	3.6,3.4		
NEIC	X	04 21 33 37.2–.51	43.79N	105.19W	0	3.0L,3.4		

ISC Event type fm.
IDC Error ellipse: s-maj=48.2km s-min=10.0km az=154.0.
ISCJB Event type fm. Error ellipse: s-maj=7.2km s-min=6.5km az=143.5.
NEIC Event type fm. Error ellipse: s-maj=6.7km s-min=6.2km az=174.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC	**X**	**05 20 33 39.4–.40**	**43.74N–.04**	**105.22W–.05**	**0**	**3.9b**	**51**	**1-90**
ISCJB	X	05 20 33 37.9–.42	43.73N–.04	105.25W–.05	0	3.9b		**¶12066061**
IDC	X	05 20 33 37.3–2.1	43.52N	105.31W	0	3.9,3.8b		
NEIC	X	05 20 33 39.4–.28	43.74N	105.25W	0	3.2L,3.8b		

ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.6km s-min=5.3km az=146.9.
IDC Error ellipse: s-maj=58.0km s-min=9.6km az=155.0.
NEIC Event type fm. Error ellipse: s-maj=4.1km s-min=3.6km az=148.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC	**X**	**06 12 44 29.9–.86**	**51.45N–.04**	**16.13E–.04**	**0**		**54**	**1-4**
ISCJB	X	06 12 44 29.2–.83	51.37N–.04	16.10E–.04	0			**¶11344074**
WAR	X	06 12 44 30.7	51.48N	16.11E		2.5L		

CSEM X 06 12 44 30.2–.46 51.42N 16.11E 2 3.1L
VIE X 06 12 44 31.7–.44 51.28N 16.04E 0–0 2.7L,2.2b
PRU X 06 12 44 33.3 51.35N 16.11E 0 2.7L,2.2b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=6.2km s-min=3.2km az=10.6.
WAR Event type kr. Mining Induced.
CSEM Event type ki. Error ellipse: s-maj=7.7km s-min=4.3km az=6.0.
VIE Event type sr. Error ellipse: s-maj=2.8km s-min=2.5km az=8.0. 71 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(460) Wyoming

ISC X 06 20 08 30.9–.43 43.79N–.04 105.23W–.05 0 4.2b 50 1-90
ISCJB X 06 20 08 29.5–.45 43.81N–.04 105.26W–.06 0 4.2b **¶12066185**
IDC X 06 20 08 29.1–2.7 43.56N 105.39W 0 4.1b,4.1
NEIC X 06 20 08 30.9–.33 43.78N 105.24W 0 3.2L,4.1
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=6.0km s-min=5.7km az=43.9.
IDC Error ellipse: s-maj=78.4km s-min=8.8km az=153.0.
NEIC Event type fm. Error ellipse: s-maj=4.8km s-min=4.2km az=144.0. 60 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(721) Finland

HEL X 07 10 57 57.2–.10 60.30N 22.29E 0 1.3L,1.2L
CSEM X 07 10 57 56.5–.25 60.35N 22.39E 2 1.3L,1.2L **¶15076014**
UPP X 07 10 57 58.2 60.33N 22.08E 0 1.2L,1.2L
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=7.0km s-min=4.0km az=162.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.

(721) Finland

HEL X 07 10 58 40.5–.40 63.35N 23.28E 0 1.5L
CSEM X 07 10 58 40.5 63.35N 23.28E 0 1.5L **¶14338554**
HEL Event type kh. Error ellipse: s-maj=2.1km s-min=4.0km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(548) Poland

WAR X 07 14 42 16.1 50.10N 19.23E
CSEM X 07 14 42 15.7–.21 50.15N 19.12E 1 3.6L **¶11344117**
IPEC X 07 14 42 16.0–.19 50.15N 19.17E 8–1 2.7L
PRU X 07 14 42 16.2 50.17N 19.13E 0 2.7L
BGR X 07 14 42 16.0–.38 50.15N 19.16E 1 3.3L
VIE X 07 14 42 18.7–.56 49.92N 19.02E 0–0 2.9L,2.5b
CSEM Event type ki. Error ellipse: s-maj=5.1km s-min=2.5km az=9.0.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.1km az=165.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=3.3km az=177.0.
VIE Event type sr. Error ellipse: s-maj=5.4km s-min=3.2km az=177.0. 37 km S of Katowice . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC X 07 15 45 20.1–.56 59.78N–.03 23.04E–.05 0 29 1-10
ISCJB X 07 15 45 19.6–.58 59.76N–.03 23.06E–.06 0 **¶12066268**
HEL X 07 15 45 21.2–.10 59.73N 23.03E 0 1.8L
IDC X 07 15 45 23.4–2.2 60.01N 22.81E 0 3.1,3.0
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=4.7km s-min=4.0km az=173.8.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0. Explosion.
IDC Error ellipse: s-maj=31.7km s-min=6.9km az=158.0.

(548) Poland

ISC X 07 15 47 35.3–.32 51.52N–.02 16.11E–.02 0 3.4b 208 1-42
ISCJB X 07 15 47 34.7–.36 51.41N–.02 16.10E–.02 0 3.4b **¶11344120**
IPEC X 07 15 47 34.9–.22 51.58N 16.20E 0 2.8L
NEIC X 07 15 47 35.3–.52 51.61N 16.06E 5 3.9L
CSEM X 07 15 47 35.7–.16 51.49N 16.09E 2 3.8L
IDC X 07 15 47 36.6–.63 51.48N 15.99E 0 3.7b,3.6
WAR X 07 15 47 37.2 51.49N 16.09E 3.0L,3.6
BGR X 07 15 47 37.0–.40 51.50N 16.11E 1 3.2L,3.6
VIE X 07 15 47 38.6–.53 51.28N 16.04E 0–0 3.2L,2.8b
PRU X 07 15 47 39.1 51.37N 16.08E 0 3.2L,2.8b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.1km s-min=1.9km az=12.3.
IPEC Event type ki. Error ellipse: s-maj=1.5km s-min=1.3km az=14.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.6km az=105.0.
CSEM Event type ki. Error ellipse: s-maj=3.2km s-min=2.4km az=12.0.
IDC Error ellipse: s-maj=12.6km s-min=5.9km az=105.0.
WAR Event type kr. Mining Induced.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=16.0.
VIE Event type sr. Error ellipse: s-maj=3.6km s-min=2.9km az=163.0. 70 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(548) Poland

ISC X 07 19 41 41.8–.44 50.13N–.03 19.11E–.03 0 67 0-5
ISCJB X 07 19 41 40.8–.46 50.14N–.03 19.06E–.03 0 **¶11344132**
WAR X 07 19 41 41.9 50.11N 19.16E
IPEC X 07 19 41 41.9–.19 50.15N 19.13E 8–1 2.3L
PRU X 07 19 41 41.9 50.19N 19.05E 0 2.3L
CSEM X 07 19 41 42.0–.23 50.15N 19.08E 2 3.0L
VIE X 07 19 41 45.9–.63 50.22N 18.60E 0–0 2.4L,1.9b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.2km s-min=2.4km az=10.1.
IPEC Event type ki. Error ellipse: s-maj=2.7km s-min=1.0km az=164.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=5.4km s-min=2.8km az=4.0.
VIE Event type sr. Error ellipse: s-maj=8.7km s-min=3.6km az=137.0. 27 km W of Katowice . Suspected Mining induced.

(724) Baltic States - Belarus - Northwestern Russia

ISC X 08 09 06 09.7–.52 59.75N–.04 22.99E–.05 0 24 1-10
ISCJB X 08 09 06 09.0–.55 59.75N–.04 23.01E–.05 0 **¶12066322**
HEL X 08 09 06 10.8–.10 59.75N 23.06E 0 1.9L
IDC X 08 09 06 11.1–2.1 59.80N 23.13E 0 3.2,3.1
ISC Event type kh.
ISCJB Event type kh. Error ellipse: s-maj=5.7km s-min=3.9km az=1.3.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0. Explosion.
IDC Error ellipse: s-maj=28.3km s-min=7.3km az=155.0.

(723) Finland-Karelia border region

ISC X 08 09 16 14.9–.58 64.76N–.02 30.5E–.10 0 63 1-10
ISCJB X 08 09 16 13.9–.58 64.76N–.03 30.6E–.10 0 **¶14338590**
IDC X 08 09 16 14.7–2.4 64.74N 31.16E 0 3.1,3.0
CSEM X 08 09 16 15.3–.38 64.79N 30.54E 2 1.9L,3.0
HEL X 08 09 16 15.0–.20 64.73N 30.77E 0 2.1L,1.9L
NAO X 08 09 16 16.9–1.5 64.79N 30.40E 2.1L,1.9L
BER X 08 09 16 17.8–4.2 64.74N 30.18E 2–20 2.1L,1.9L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.0km s-min=3.8km az=1.6.
IDC Error ellipse: s-maj=32.0km s-min=9.6km az=99.0.
CSEM Event type km. Error ellipse: s-maj=10.1km s-min=5.3km az=95.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=9.7km s-min=47.4km az=-1.0.

(460) Wyoming

ISC X 08 18 05 01.5–.43 43.74N–.05 105.24W–.06 0 4.1b 40 1-90
ISCJB X 08 18 05 00.1–.46 43.73N–.05 105.27W–.06 0 4.1b **¶12066352**
IDC X 08 18 05 01.9–2.2 43.94N 105.76W 0 4.0b,4.0
NEIC X 08 18 05 01.5–.40 43.73N 105.24W 0 3.4L,4.0
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=7.4km s-min=5.6km az=140.7.
IDC Error ellipse: s-maj=80.2km s-min=8.2km az=146.0.
NEIC Event type fm. Error ellipse: s-maj=6.1km s-min=4.8km az=142.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(721) Finland

HEL X 09 09 44 26.6–.50 61.68N 23.75E 0 1.1L
CSEM X 09 09 44 26.6 61.68N 23.75E 0 1.1L **¶14338637**
HEL Event type kh. Error ellipse: s-maj=3.0km s-min=5.4km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(723) Finland-Karelia border region

HEL X 09 09 45 19.0–.50 61.20N 30.30E 0 1.7L
CSEM X 09 09 45 19.0 61.20N 30.30E 0 1.7L **¶14338638**
HEL Event type kh. Error ellipse: s-maj=2.8km s-min=4.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(723) Finland-Karelia border region

ISC X 09 10 37 12.2–1.0 61.32N–.05 30.1E–.10 0 38 1-9
IDC X 09 10 37 09.6–3.7 60.91N 29.82E 0 3.2,3.0 **¶12066413**
CSEM X 09 10 37 10.8 61.20N 30.23E 0 1.6L,3.0
HEL X 09 10 37 10.8–.50 61.20N 30.23E 0 1.6L,3.0
ISCJB X 09 10 37 11.1–1.0 61.37N–.05 30.0E–.10 0 1.6L,3.0
ISC Event type km.
CSEM Event type km. Mining explosion. After HEL.
HEL Event type kh. Explosion.
ISCJB Event type km.

(724) Baltic States - Belarus - Northwestern Russia

ISC X 09 11 37 03.3–.46 59.86N–.03 22.95E–.05 0 39 1-10
ISCJB X 09 11 37 02.7–.47 59.85N–.04 22.94E–.05 0 **¶12066418**
CSEM X 09 11 37 03.5–.25 59.86N 23.03E 2 1.8L
IDC X 09 11 37 03.7–2.8 59.73N 23.10E 0 3.2,3.1
HEL X 09 11 37 04.2–.10 59.84N 22.92E 0 1.8L,1.8L
UPP X 09 11 37 06.1 59.87N 22.63E 0 1.8L,1.8L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.4km s-min=3.8km az=169.0.
CSEM Event type km. Error ellipse: s-maj=6.9km s-min=5.1km az=169.0. Mining explosion.
IDC Error ellipse: s-maj=40.3km s-min=12.5km az=159.0.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0. Explosion.
UPP Event type sm. Suspected Mining explosion.

(460) Wyoming

ISC X 09 18 05 10.0–.51 43.73N–.05 105.21W–.06 0 27 1-61
ISCJB X 09 18 05 08.8–.54 43.75N–.05 105.24W–.06 0 **¶12066451**
IDC X 09 18 05 09.8–1.8 43.98N 105.70W 0 4.1,4.0b
NEIC X 09 18 05 10.1–.40 43.72N 105.23W 0 3.1L,4.0b
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=7.1km s-min=6.7km az=178.0.
IDC Error ellipse: s-maj=60.9km s-min=8.7km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=5.6km s-min=4.9km az=161.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.

(543) Germany

ISC X 09 20 40 27.4–.34 51.58N–.03 7.76E–.02 0 138 0-6
BUG X 09 20 40 26.7 51.64N 7.79E 1 2.3L **¶11348989**
ISCJB X 09 20 40 26.2–.35 51.58N–.03 7.80E–.03 0 2.3L
BNS X 09 20 40 27.7–.64 51.67N 7.77E 1 2.2L
CSEM X 09 20 40 27.3–.14 51.60N 7.77E 1 2.2L
NEIC X 09 20 40 28.2 51.61N 7.77E 1 2.5L,2.4L
BGR X 09 20 40 28.2–.21 51.61N 7.77E 1 2.4L,2.4L
LDG X 09 20 40 30.1–.31 51.48N 7.73E 1–0 2.5L,2.4L
ISC Event type sr.
BUG Event type ki.
ISCJB Event type sr. Error ellipse: s-maj=4.1km s-min=2.2km az=169.5.
BNS Event type ki.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=2.0km az=164.0.
NEIC Event type se. After SZGRF.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=1.1km az=171.0.
LDG Event type sr. Error ellipse: s-maj=5.6km s-min=3.7km az=50.0. Suspected Mining induced.

(548) Poland

WAR X 09 22 20 41.3 50.05N 18.44E
IPEC X 09 22 20 41.3–.18 50.06N 18.45E 3–2 1.6L **¶11345836**
CSEM X 09 22 20 41.4–.26 50.08N 18.42E 2 1.6L
PRU X 09 22 20 42.5 50.06N 18.41E 0 1.6L
IPEC Event type ki. Error ellipse: s-maj=4.3km s-min=1.3km az=158.0.
CSEM Event type ki. Error ellipse: s-maj=7.0km s-min=3.3km az=178.0.
PRU Event type ki.

(536) Sweden

HEL X 09 23 21 26.0–1.1 67.81N 20.07E 0 1.5L
¶14338660
HEL Event type kh. Error ellipse: s-maj=3.5km s-min=13.5km az=-1.0. Explosion.

(536) Sweden

HEL X 09 23 22 22.8 67.83N 20.22E 0 1.5L
CSEM X 09 23 22 21.0–.38 67.83N 20.27E 1 1.5L **¶14338663**
UPP X 09 23 22 21.5 67.83N 20.18E 0 2.0L
HEL Event type kh. Explosion.
CSEM Event type km. Error ellipse: s-maj=9.2km s-min=6.7km az=120.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.

(723) Finland-Karelia border region

ISC X 10 11 23 43.6–.86 61.22N–.04 29.91E–.08 0 49 1-11
ISCJB X 10 11 23 41.9–.96 61.23N–.04 29.80E–.08 0 **¶12066499**
CSEM X 10 11 23 42.4 61.17N 30.32E 0 2.1L
HEL X 10 11 23 42.4–.80 61.17N 30.32E 0 2.1L
IDC X 10 11 23 45.0–1.3 61.10N 29.88E 0 3.3,3.3
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.0km s-min=5.0km az=143.5.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
HEL Event type kh. Error ellipse: s-maj=4.1km s-min=7.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=12.0km s-min=9.7km az=7.0.

(723) Finland-Karelia border region

ISC X 10 12 01 56.9–.94 61.05N–.04 28.99E–.09 0 38 1-9
ISCJB X 10 12 01 54.4–.98 61.09N–.04 29.01E–.09 0 **¶12066504**
CSEM X 10 12 01 57.1 60.94N 29.13E 0 2.0L
HEL X 10 12 01 57.1–.70 60.94N 29.13E 0 2.0L
IDC X 10 12 01 58.7–1.8 61.03N 28.97E 0 3.4,3.4
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.9km s-min=4.5km az=33.9.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
HEL Event type kh. Error ellipse: s-maj=3.3km s-min=6.8km az=-1.0. Explosion.
IDC Error ellipse: s-maj=19.2km s-min=11.5km az=172.0.

(723) Finland-Karelia border region

ISC X 10 12 58 30.3–.93 61.21N–.04 29.94E–.08 0 43 1-9
ISCJB X 10 12 58 28.6–.96 61.25N–.04 29.88E–.08 0 **¶12066508**
CSEM X 10 12 58 29.7 61.14N 30.31E 0 1.7L
HEL X 10 12 58 29.7–.70 61.14N 30.31E 0 1.7L
IDC X 10 12 58 32.2–2.3 61.20N 29.95E 0 3.2,3.1
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.0km s-min=4.8km az=144.3.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
HEL Event type kh. Error ellipse: s-maj=4.0km s-min=7.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=26.4km s-min=11.8km az=165.0.

(548) Poland

PRU X 10 21 33 57.3 51.43N 16.12E 0
CSEM X 10 21 33 57.3 51.43N 16.12E 0 **¶11346013**
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.

(548) Poland

ISC X 11 06 13 33.9–.81 51.53N–.04 16.12E–.04 0 44 1-4
ISCJB X 11 06 13 33.4–.82 51.48N–.04 16.07E–.04 0 **¶11369899**
IPEC X 11 06 13 33.7–.30 51.58N 16.20E 0 1.9L
CSEM X 11 06 13 34.3–.27 51.51N 16.07E 2 2.9L
WAR X 11 06 13 36.0 51.50N 16.09E 2.4L
PRU X 11 06 13 37.8 51.40N 16.08E 0 2.4L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=5.6km s-min=3.3km az=23.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=38.0.
CSEM Event type ki. Error ellipse: s-maj=4.4km s-min=3.7km az=60.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia
ISC X 12 13 05 30.4–.43 59.86N–.03 22.98E–.05 0 51 1-10
ISCJB X 12 13 05 29.8–.45 59.83N–.03 22.92E–.05 0 ¶12068465
CSEM X 12 13 05 30.7–.20 59.85N 22.99E 2 2.1L
IDC X 12 13 05 30.8–3.0 59.76N 23.09E 0 3.3,3.2
UPP X 12 13 05 31.5 59.86N 22.89E 0 1.7L,3.2
HEL X 12 13 05 31.4–.00 59.84N 22.91E 0 2.1L,1.7L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.9km s-min=3.4km az=172.5.
CSEM Event type km. Error ellipse: s-maj=5.5km s-min=3.8km az=173.0. Mining explosion.
IDC Error ellipse: s-maj=43.0km s-min=6.8km az=153.0.
UPP Event type sm. Suspected Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.3km az=-1.0. Explosion.

(724) Baltic States - Belarus - Northwestern Russia
ISC X 12 16 00 34.9–.39 59.86N–.03 22.99E–.05 0 50 1-10
ISCJB X 12 16 00 34.2–.41 59.87N–.03 22.96E–.05 0 ¶12068475
IDC X 12 16 00 34.7–3.5 59.72N 23.15E 0 3.1,3.1
CSEM X 12 16 00 35.1–.18 59.84N 23.00E 2 2.2L,3.1
UPP X 12 16 00 36.2 59.92N 22.88E 0 2.0L,3.1
HEL X 12 16 00 36.0–.10 59.85N 22.90E 0 2.2L,2.0L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.8km s-min=3.4km az=8.6.
IDC Error ellipse: s-maj=52.3km s-min=7.6km az=149.0.
CSEM Event type km. Error ellipse: s-maj=5.2km s-min=3.5km az=12.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0. Explosion.

(548) Poland
WAR X 12 19 20 50.0 51.51N 16.12E 2.2L
¶13396850
WAR Event type kr. Mining Induced.

(460) Wyoming
ISC X 12 20 24 11.6–.41 43.80N–.04 105.22W–.05 0 55 1-61
ISCJB X 12 20 24 09.9–.44 43.80N–.04 105.25W–.05 0 ¶12068491
IDC X 12 20 24 11.1–1.6 43.88N 105.52W 0 4.3b,4.0
NEIC X 12 20 24 11.6–.38 43.81N 105.22W 0 3.2L,4.0
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.5km s-min=5.4km az=20.7.
IDC Error ellipse: s-maj=47.9km s-min=8.1km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=5.9km s-min=4.9km az=157.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland
WAR X 12 20 40 11.9 51.47N 16.15E 2.3L
IPEC X 12 20 40 09.8–.21 51.53N 16.28E 0 1.8L ¶11369980
CSEM X 12 20 40 11.2–.34 51.42N 16.13E 2 1.8L
PRU X 12 20 40 13.7 51.38N 16.07E 0 1.8L
WAR Event type kr. Mining Induced.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=0.9km az=40.0.
CSEM Event type ki. Error ellipse: s-maj=6.0km s-min=3.5km az=14.0.
PRU Event type ki.

(548) Poland
ISC X 12 22 44 48.0–.87 50.24N–.07 18.81E–.04 0 26 1-2
ISCJB X 12 22 44 47.2–.85 50.23N–.06 18.80E–.04 0 ¶15076062
CSEM X 12 22 44 47.3–.37 50.27N 18.83E 1 1.6L
IPEC X 12 22 44 48.0–.18 50.26N 18.87E 10–1 1.6L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=9.3km s-min=3.4km az=177.2.
CSEM Event type ki. Error ellipse: s-maj=9.2km s-min=3.1km az=176.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=0.8km az=170.0.

(548) Poland
ISC X 14 01 48 45.4–.83 51.49N–.04 16.06E–.04 0 53 1-3
ISCJB X 14 01 48 44.8–.81 51.44N–.04 16.04E–.04 0 ¶11357337
IPEC X 14 01 48 44.4–.20 51.57N 16.14E 0 1.7L
CSEM X 14 01 48 45.9–.20 51.47N 16.06E 2 3.1L
WAR X 14 01 48 45.8 51.54N 16.07E 2.3L
PRU X 14 01 48 47.7 51.44N 16.06E 0 2.3L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=5.9km s-min=3.1km az=16.1.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=1.0km az=25.0.
CSEM Event type ki. Error ellipse: s-maj=3.4km s-min=2.0km az=6.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.

(642) Norwegian Sea
ISC X 14 02 23 43.4–.40 62.09N–.03 1.75E–.05 0 3.6b 368 2-55
ISCJB X 14 02 23 40.8–.41 62.12N–.03 1.68E–.05 0 3.6b ¶13396996
LDG X 14 02 23 41.4–.28 62.37N 0.98E 10–0 4.1L
CSEM X 14 02 23 42.8–.24 62.17N 1.66E 1 3.2L
NAO X 14 02 23 43.7–4.1 62.17N 1.96E 10–24 3.0L
BGS X 14 02 23 43.3–4.7 62.34N 1.61E 7–15 5.1,3.9L
NEIC X 14 02 23 43.4–.60 62.19N 1.62E 10 4.1L,3.9L
IDC X 14 02 23 45.0–1.4 62.18N 2.20E 0 3.8,3.8
BER X 14 02 23 44.6–3.4 62.32N 1.67E 10–0 3.2L,3.0
UPP X 14 02 23 49.9 62.37N 2.43E 0 2.2L,3.0
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=4.8km s-min=3.1km az=158.7.
LDG Event type ke. Error ellipse: s-maj=7.7km s-min=3.8km az=134.0.
CSEM Event type sm. Error ellipse: s-maj=6.6km s-min=3.5km az=146.0. Suspected Mining explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.0km az=-1.0.
BGS Error ellipse: s-maj=7.1km s-min=13.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=4.6km az=136.0.
IDC Error ellipse: s-maj=25.5km s-min=15.4km az=13.0.
BER Error ellipse: s-maj=5.1km s-min=9.6km az=-1.0.
UPP Event type sm. Suspected Mining explosion.

(723) Finland-Karelia border region
ISC X 14 08 45 38.4–1.2 61.05N–.07 30.2E–.10 0 40 1-9
HEL X 14 08 45 40.3–.20 61.05N 30.08E 0 2.3L,2.2L ¶13397033
NAO X 14 08 45 41.7–1.9 61.25N 29.92E 2.3L,2.2L
BER X 14 08 45 42.5–4.8 61.30N 29.91E 0–25 2.3L,2.2L
IDC X 14 08 45 42.1–2.0 61.21N 29.85E 0 3.4,3.3
CSEM X 14 08 45 43.3–.95 61.45N 29.42E 1 2.2L,3.3
ISC Event type km.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=20.6km s-min=41.4km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=11.2km az=164.0.
CSEM Event type km. Error ellipse: s-maj=29.2km s-min=9.1km az=128.0. Mining explosion.

(548) Poland
ISC X 14 10 17 13.4–.44 51.50N–.02 16.10E–.03 0 122 1-4
ISCJB X 14 10 17 12.7–.45 51.43N–.03 16.09E–.03 0 ¶11357368
CSEM X 14 10 17 13.8–.24 51.48N 16.08E 2 3.7L
IPEC X 14 10 17 14.5–.26 51.48N 16.16E 8–1 2.8L
BGR X 14 10 17 14.2–.55 51.52N 16.13E 1 3.5L
WAR X 14 10 17 14.5 51.51N 16.11E 3.0L
PRU X 14 10 17 16.6 51.41N 16.08E 0 3.0L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.8km s-min=2.1km az=20.9.
CSEM Event type ki. Error ellipse: s-maj=4.6km s-min=2.4km az=25.0.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.7km az=30.0.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=3.3km az=12.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.

(460) Wyoming
ISC X 14 19 41 22.2–.51 44.11N–.06 105.34W–.06 0 29 1-15
ISCJB X 14 19 41 20.8–.51 44.14N–.05 105.27W–.06 0 ¶12068631
NEIC X 14 19 41 21.9–.70 44.13N 105.41W 0 2.9L
IDC X 14 19 41 23.1–1.0 44.39N 105.86W 0 3.6,3.3L
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=7.8km s-min=6.6km az=166.3.
NEIC Event type fm. Error ellipse: s-maj=11.0km s-min=8.5km az=172.0. 20 km [10 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.3km s-min=8.6km az=145.0.

(548) Poland
WAR X 14 20 44 19.0 51.44N 16.19E 2.2L
CSEM X 14 20 44 16.6–2.2 51.53N 16.36E 1 2.2L ¶11357397
PRU X 14 20 44 16.9 51.53N 16.33E 0 2.2L
WAR Event type kr. Mining Induced.
CSEM Event type ki. Error ellipse: s-maj=35.4km s-min=23.2km az=176.0.
PRU Event type ki.

(548) Poland
ISC X 15 03 33 06.4–.21 51.53N–.01 16.20E–.02 0 3.5b 324 1-40
ISCJB X 15 03 33 04.7–.23 51.51N–.02 16.16E–.02 0 3.5b ¶11349214
NEIC X 15 03 33 06.2–.44 51.57N 16.12E 5 3.9b,3.5L
CSEM X 15 03 33 06.7–.10 51.52N 16.19E 2 3.9L,3.5L
LDG X 15 03 33 06.7–.13 51.44N 16.16E 1–0 4.0L,3.5L
IDC X 15 03 33 07.5–.57 51.50N 16.05E 0 4.0b,3.7
IPEC X 15 03 33 07.9–.36 51.45N 16.47E 0 3.0L,3.7
BGR X 15 03 33 08.4–.46 51.46N 16.14E 1 3.5L,3.7
WAR X 15 03 33 08.4 51.47N 16.14E 3.2L,3.7
UPP X 15 03 33 10.5 51.67N 15.38E 0 3.0L,3.7
PRU X 15 03 33 10.6 51.35N 16.16E 0 3.0L,3.7
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=2.2km s-min=1.7km az=7.8.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=154.0.
CSEM Event type ki. Error ellipse: s-maj=2.4km s-min=2.0km az=171.0.
LDG Event type sr. Error ellipse: s-maj=3.4km s-min=2.0km az=9.0. Suspected Mining induced.
IDC Error ellipse: s-maj=9.8km s-min=5.7km az=104.0.
IPEC Event type ki. Error ellipse: s-maj=6.3km s-min=2.0km az=101.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=21.0.
WAR Event type kr. Mining Induced.
UPP Event type sm. Suspected Mining explosion.
PRU Event type ki. Felt In Harrachov.

(724) Baltic States - Belarus - Northwestern Russia
ISC X 15 07 35 31.4–.37 59.81N–.03 23.02E–.05 0 66 1-10
ISCJB X 15 07 35 30.8–.37 59.79N–.03 22.99E–.05 0 ¶13397133
NAO X 15 07 35 31.9–1.1 59.77N 23.11E 2.0L
HEL X 15 07 35 31.8–.20 59.75N 23.03E 0 1.8L,1.8L
CSEM X 15 07 35 31.8–.17 59.84N 23.07E 2 1.8L,1.8L
IDC X 15 07 35 34.4–2.2 60.04N 22.84E 0 3.1,3.0
UPP X 15 07 35 35.3 59.75N 22.51E 0 1.8L,3.0
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=3.9km s-min=3.2km az=149.3.
NAO Error ellipse: s-maj=0.1km s-min=0.0km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=1.3km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=4.7km s-min=3.2km az=159.0. Mining explosion.
IDC Error ellipse: s-maj=32.0km s-min=7.1km az=157.0.
UPP Event type sm. Suspected Mining explosion.

(548) Poland
ISC X 15 16 44 09.5–.59 50.10N–.04 19.09E–.03 0 40 0-4
ISCJB X 15 16 44 08.2–.58 50.08N–.04 19.06E–.03 0 ¶11357426
CSEM X 15 16 44 09.4–.33 50.11N 19.09E 2 2.6L
WAR X 15 16 44 09.6 50.11N 19.16E 2.6L
PRU X 15 16 44 10.3 50.12N 19.09E 0 2.6L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.3km s-min=2.7km az=5.1.
CSEM Event type ki. Error ellipse: s-maj=7.6km s-min=3.6km az=5.0.
PRU Event type ki.

(548) Poland
ISC X 15 18 37 16.1–.48 51.52N–.03 16.10E–.03 0 90 1-19
ISCJB X 15 18 37 15.7–.57 51.43N–.03 16.10E–.03 0 ¶11357428
IPEC X 15 18 37 16.0–.33 51.53N 16.00E 0 2.5L
IDC X 15 18 37 17.3–.82 51.47N 15.98E 0 3.4,3.3
CSEM X 15 18 37 17.1–.36 51.46N 16.10E 2 3.6L,3.3
WAR X 15 18 37 17.6 51.51N 16.08E 2.7L,3.3
PRU X 15 18 37 19.4 51.40N 16.13E 0 2.7L,3.3
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.5km s-min=2.7km az=8.7.
IPEC Event type ki. Error ellipse: s-maj=4.3km s-min=2.0km az=78.0.
IDC Error ellipse: s-maj=15.4km s-min=7.4km az=98.0.
CSEM Event type ki. Error ellipse: s-maj=6.5km s-min=3.7km az=171.0.
WAR Event type kr. Mining Induced.
PRU Event type ki. Felt In Harrachov.

(548) Poland
ISC X 15 20 16 06.8–.55 50.22N–.04 18.92E–.03 0 40 1-4
ISCJB X 15 20 16 05.5–.57 50.26N–.04 18.90E–.03 0 ¶11357431
PRU X 15 20 16 06.8 50.25N 18.91E 0
CSEM X 15 20 16 07.0–.49 50.23N 18.91E 2 2.7L
WAR X 15 20 16 07.0 50.22N 19.03E 2.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.3km s-min=2.8km az=10.3.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=11.9km s-min=5.1km az=12.0.

(724) Baltic States - Belarus - Northwestern Russia
ISC X 17 08 06 05.4–.47 59.74N–.03 23.09E–.06 0 37 1-10
ISCJB X 17 08 06 04.9–.50 59.72N–.03 23.07E–.05 0 ¶12068872
CSEM X 17 08 06 05.9–.26 59.71N 23.12E 2 1.9L
HEL X 17 08 06 06.5–.10 59.72N 23.05E 0 1.9L,1.9L
UPP X 17 08 06 07.3 59.83N 22.93E 0 1.9L,1.9L
IDC X 17 08 06 07.5–1.9 59.88N 23.01E 0 3.0,3.0
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=5.1km s-min=3.7km az=157.3.
CSEM Event type km. Error ellipse: s-maj=7.4km s-min=5.6km az=162.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0. Explosion.
UPP Event type sm. Suspected Mining explosion.
IDC Error ellipse: s-maj=27.0km s-min=6.8km az=156.0.

(723) Finland-Karelia border region
ISC X 17 09 00 44.4–.61 64.80N–.02 30.6E–.10 0 61 1-14
ISCJB X 17 09 00 43.6–.64 64.78N–.03 30.6E–.10 0 ¶13397327
CSEM X 17 09 00 44.7–.30 64.83N 30.70E 1 2.1L
BER X 17 09 00 45.9–4.5 64.79N 30.50E 0–22 2.3L
HEL X 17 09 00 45.1–.10 64.78N 30.76E 0 2.3L,2.1L
NAO X 17 09 00 46.9–1.4 64.85N 30.42E 2.3L,2.1L
IDC X 17 09 00 46.1–2.4 64.73N 30.85E 0 3.3,3.2
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=8.5km s-min=4.0km az=178.2.
CSEM Event type km. Error ellipse: s-maj=8.1km s-min=4.3km az=93.0. Mining explosion.
BER Error ellipse: s-maj=9.6km s-min=43.9km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.1km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=37.0km s-min=8.7km az=101.0.

(548) Poland
ISC X 19 01 04 48.7–.35 50.15N–.03 19.04E–.02 0 105 0-20
ISCJB X 19 01 04 47.8–.37 50.15N–.03 19.04E–.02 0 ¶11360234
CSEM X 19 01 04 49.5–.19 50.13N 19.00E 2 3.3L
WAR X 19 01 04 49.2 50.07N 19.10E 3.3L
IPEC X 19 01 04 49.1–.19 50.15N 19.06E 1–1 2.7L
PRU X 19 01 04 49.5 50.14N 19.01E 0 2.7L
NEIC X 19 01 04 49.2–.67 50.25N 18.92E 5 2.8L
IDC X 19 01 04 50.1–2.5 49.95N 19.04E 0 3.8,3.7
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.3km s-min=2.1km az=10.7.
CSEM Event type ki. Error ellipse: s-maj=5.5km s-min=2.5km az=11.0.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.1km az=166.0.
PRU Event type ki.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.8km az=157.0.
IDC Error ellipse: s-maj=44.2km s-min=9.9km az=140.0.

(646) Northern Norway
ISC X 20 01 05 16.5–.46 66.84N–.02 13.83E–.06 0 152 0-8
NEIC X 20 01 05 13.8 66.91N 12.78E 0 2.5L ¶13397551
IDC X 20 01 05 14.4–1.8 66.90N 13.04E 0 3.3,3.2
HEL X 20 01 05 14.6–.20 66.99N 12.99E 14 2.2L,2.2L
NAO X 20 01 05 14.4–1.8 66.88N 13.13E 2.5L,2.2L
ISCJB X 20 01 05 15.3–.46 66.82N–.02 14.05E–.07 0 2.5L,2.2L

CSEM X 20 01 05 15.1–.36 66.86N 13.53E 1 2.2L,2.2L
BER X 20 01 05 16.3–4.8 66.90N 12.87E 14–15 2.5L,2.3
UPP X 20 01 05 18.8 66.69N 13.39E 0 1.8L,2.3
ISC Event type sm.
NEIC Event type se. After BER.
IDC Error ellipse: s-maj=20.5km s-min=9.6km az=119.0.
HEL Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
NAO Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.
ISCJB Event type sm. Error ellipse: s-maj=4.5km s-min=2.7km az=36.6.
CSEM Event type sm. Error ellipse: s-maj=8.4km s-min=4.4km az=113.0. Suspected Mining explosion.
BER Error ellipse: s-maj=8.9km s-min=37.4km az=-1.0.
UPP Event type sm. Suspected Mining explosion.

(543) Germany

ISC X 20 15 38 14.2–.45 51.57N–.02 6.75E–.04 0 134 0-6
ISCJB X 20 15 38 13.2–.45 51.55N–.02 6.72E–.04 0 **¶11361744**
CSEM X 20 15 38 14.1–.26 51.58N 6.79E 1 3.1L
BGR X 20 15 38 15.6–.47 51.49N 6.97E 1 2.2L
BUG X 20 15 38 15.5 51.44N 6.88E 1 1.9L
LDG X 20 15 38 15.4–.09 51.59N 6.79E 1–0 2.9L
BNS X 20 15 38 16.1–1.2 51.55N 6.86E 1–7 2.4L
NEIC X 20 15 38 16.5–8.0 51.45N 6.58E 8–24 2.9L
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.0km s-min=2.7km az=40.8.
CSEM Event type ki. Error ellipse: s-maj=5.4km s-min=4.1km az=121.0.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=4.4km az=115.0.
BUG Event type ki.
LDG Event type sr. Error ellipse: s-maj=2.3km s-min=1.3km az=123.0. Suspected Mining induced.
BNS Event type ki.
NEIC Event type se. Error ellipse: s-maj=60.7km s-min=12.1km az=203.0.

(721) Finland

HEL X 21 13 11 15.9–.10 62.06N 25.49E 0 1.0L
CSEM X 21 13 11 15.9 62.06N 25.49E 0 1.0L **¶14339090**
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(721) Finland

HEL X 21 13 11 28.4–.20 62.91N 27.35E 0 1.1L
CSEM X 21 13 11 28.4 62.91N 27.35E 0 1.1L **¶14339091**
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=0.9km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(723) Finland-Karelia border region

ISC X 22 09 01 50.0–.71 64.67N–.02 30.7E–.10 0 46 1-10
IDC X 22 09 01 46.8–3.3 64.71N 32.88E 0 3.3,3.3 **¶13397778**
ISCJB X 22 09 01 49.0–.72 64.67N–.03 30.7E–.10 0 3.3,3.3
CSEM X 22 09 01 50.4–.35 64.68N 30.70E 2 2.0L,3.3
HEL X 22 09 01 51.0–.10 64.67N 30.74E 0 2.0L,2.0L
BER X 22 09 01 55.7–5.3 64.87N 30.24E 0–27 2.0L,2.0L
NAO X 22 09 01 56.5–2.4 64.88N 29.61E 2.0L,2.0L
ISC Event type km.
IDC Error ellipse: s-maj=43.7km s-min=10.5km az=102.0.
ISCJB Event type km. Error ellipse: s-maj=9.0km s-min=3.7km az=177.4.
CSEM Event type km. Error ellipse: s-maj=11.2km s-min=4.6km az=91.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=1.6km az=-1.0. Explosion.
BER Error ellipse: s-maj=11.8km s-min=135.7km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC X 23 10 53 01.3–.41 59.87N–.03 24.46E–.06 0 61 0-10
UPP X 23 10 53 00.2 59.80N 24.68E 0 2.1L **¶13397885**
ISCJB X 23 10 53 00.4–.41 59.90N–.03 24.44E–.06 0 2.1L
BER X 23 10 53 01.7–3.8 59.80N 24.48E 0–19 2.1L
NAO X 23 10 53 01.9–2.0 59.83N 24.52E 2.1L
IDC X 23 10 53 01.2–2.0 59.76N 24.62E 0 3.3,3.3
CSEM X 23 10 53 01.7–.18 59.92N 24.46E 1 2.3L,3.3
HEL X 23 10 53 01.7–.10 59.84N 24.42E 0 2.1L,2.1L
ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=5.0km s-min=3.4km az=138.5.
BER Error ellipse: s-maj=26.9km s-min=34.1km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=21.8km s-min=7.4km az=142.0.
CSEM Event type km. Error ellipse: s-maj=4.7km s-min=2.8km az=145.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0. Explosion.

(724) Baltic States - Belarus - Northwestern Russia

ISC X 23 11 09 58.9–.43 59.85N–.03 24.45E–.06 0 60 0-10
ISCJB X 23 11 09 58.0–.44 59.85N–.03 24.45E–.06 0 **¶13397887**
UPP X 23 11 09 58.9 59.88N 24.60E 0 2.3L
IDC X 23 11 09 59.7–1.9 59.87N 24.45E 0 3.3L,3.3
BER X 23 11 09 59.7–2.6 59.78N 24.68E 0–30 2.4L,3.3
CSEM X 23 11 09 59.1–.19 59.86N 24.51E 2 2.5L,3.3
HEL X 23 11 09 59.5–.10 59.84N 24.43E 0 2.4L,2.4L
NAO X 23 11 10 00.1–2.2 59.85N 24.57E 2.4L,2.4L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.9km s-min=3.6km az=144.2.
UPP Event type sm. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.9km s-min=6.7km az=146.0.
BER Error ellipse: s-maj=23.1km s-min=33.4km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=5.0km s-min=3.7km az=135.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC X 23 11 52 15.8–.39 59.86N–.03 24.50E–.06 0 64 0-10
ISCJB X 23 11 52 15.0–.40 59.87N–.03 24.47E–.06 0 **¶13397890**
IDC X 23 11 52 16.1–2.1 59.85N 24.60E 0 3.2,3.1
CSEM X 23 11 52 16.2–.16 59.89N 24.53E 2 2.5L,3.1
HEL X 23 11 52 16.4–.10 59.86N 24.45E 0 2.2L,2.1L
BER X 23 11 52 16.3–3.5 59.78N 24.77E 0–27 2.1L,2.1L
NAO X 23 11 52 17.4–2.2 59.87N 24.63E 2.1L,2.1L
UPP X 23 11 52 17.8 59.87N 24.29E 0 2.2L,2.1L
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.7km s-min=3.6km az=45.0.
IDC Error ellipse: s-maj=26.2km s-min=7.5km az=140.0.
CSEM Event type km. Error ellipse: s-maj=4.4km s-min=3.3km az=145.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0. Explosion.
BER Error ellipse: s-maj=27.1km s-min=53.3km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC X 23 21 29 51.7–.69 50.36N–.05 18.88E–.04 0 33 1-4
ISCJB X 23 21 29 50.7–.67 50.37N–.04 18.85E–.04 0 **¶11370036**
IPEC X 23 21 29 51.8–2.3 50.38N 18.91E 3–14 2.0L
CSEM X 23 21 29 51.6–.19 50.37N 18.88E 2 2.6L
WAR X 23 21 29 52.0 50.36N 18.93E 2.6L
PRU X 23 21 29 52.5 50.34N 18.87E 0 2.6L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.5km s-min=3.1km az=13.5.
IPEC Event type ki. Error ellipse: s-maj=25.5km s-min=11.5km az=171.0.
CSEM Event type ki. Error ellipse: s-maj=4.8km s-min=1.8km az=2.0.
PRU Event type ki.

(548) Poland

ISC X 24 03 17 22.1–.45 50.38N–.03 18.85E–.03 0 80 1-6
ISCJB X 24 03 17 21.2–.48 50.39N–.03 18.86E–.03 0 **¶11370041**
IPEC X 24 03 17 21.6–.23 50.38N 18.91E 3–1 2.3L
WAR X 24 03 17 21.7 50.36N 18.93E 2.3L
CSEM X 24 03 17 22.3–.27 50.39N 18.84E 2 3.0L
PRU X 24 03 17 22.0 50.42N 18.86E 0 3.0L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.8km s-min=2.3km az=10.5.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.2km az=171.0.
CSEM Event type ki. Error ellipse: s-maj=6.7km s-min=2.8km az=5.0.
PRU Event type ki.

(548) Poland

ISC X 24 05 45 34.0–.63 51.49N–.03 16.10E–.03 0 80 1-4
IPEC X 24 05 45 32.9–.43 51.55N 16.13E 0–2 2.4L **¶11370045**
ISCJB X 24 05 45 33.1–.62 51.43N–.03 16.12E–.03 0 2.4L
CSEM X 24 05 45 34.3–.40 51.47N 16.11E 2 3.4L
WAR X 24 05 45 34.8 51.51N 16.11E 2.7L
VIE X 24 05 45 35.4–2.1 51.35N 16.01E 0–0 2.9L,2.5b
PRU X 24 05 45 37.0 51.39N 16.13E 0 2.9L,2.5b
ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=3.4km s-min=2.3km az=57.0.
ISCJB Event type kr. Error ellipse: s-maj=4.7km s-min=2.5km az=12.5.
CSEM Event type ki. Error ellipse: s-maj=6.5km s-min=4.0km az=11.0.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=15.4km s-min=10.0km az=111.0. 75 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(548) Poland

ISC X 24 09 55 07.3–.47 50.10N–.04 19.09E–.03 0 53 0-4
ISCJB X 24 09 55 06.0–.48 50.12N–.04 19.09E–.03 0 **¶11370048**
IPEC X 24 09 55 06.7–.19 50.18N 19.11E 1–1 2.3L
CSEM X 24 09 55 06.6–.30 50.18N 19.05E 2 3.0L
WAR X 24 09 55 06.7 50.11N 19.16E 3.0L
PRU X 24 09 55 07.2 50.14N 19.08E 0 3.0L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.5km s-min=2.4km az=9.7.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.1km az=167.0.
CSEM Event type ki. Error ellipse: s-maj=8.2km s-min=3.2km az=3.0.
PRU Event type ki.

(543) Germany

ISC X 25 07 34 55.0–.42 51.57N–.02 6.80E–.04 0 79 0-5
CSEM X 25 07 34 54.8–.24 51.58N 6.81E 1 2.8L **¶11380333**
ISCJB X 25 07 34 54.3–.42 51.56N–.02 6.80E–.04 0 2.8L
LDG X 25 07 34 56.2–.19 51.56N 6.89E 1–0 2.4L
BGR X 25 07 34 56.4–.40 51.53N 6.88E 1 2.0L
BNS X 25 07 34 56.6–.88 51.54N 6.88E 1 1.8L
BUG X 25 07 34 56.4 51.49N 6.93E 1 1.2L
ISC Event type sr.
CSEM Event type ki. Error ellipse: s-maj=4.6km s-min=3.7km az=133.0.
ISCJB Event type sr. Error ellipse: s-maj=4.0km s-min=2.7km az=32.1.
LDG Event type sr. Error ellipse: s-maj=3.4km s-min=2.2km az=27.0. Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=3.3km az=136.0.
BNS Event type ki.
BUG Event type ki.

(548) Poland

ISC X 26 05 56 29.6–.74 51.42N–.04 16.17E–.04 0 53 1-3
ISCJB X 26 05 56 28.2–.74 51.41N–.04 16.20E–.04 0 **¶11370083**
IPEC X 26 05 56 28.8–.30 51.51N 16.30E 0 1.9L
CSEM X 26 05 56 29.8–.33 51.41N 16.19E 2 3.0L
WAR X 26 05 56 30.4 51.44N 16.20E 2.4L
PRU X 26 05 56 33.1 51.32N 16.15E 0 2.4L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=5.8km s-min=2.9km az=15.9.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=34.0.
CSEM Event type ki. Error ellipse: s-maj=5.6km s-min=3.0km az=8.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.

(359) Bulgaria

BEO X 27 12 31 10.8–.47 42.51N 23.96E 0–0 1.5L
CSEM X 27 12 31 06.4–.88 42.92N 24.33E 1 1.5L **¶11749512**
CSEM Event type sm. Error ellipse: s-maj=25.4km s-min=18.7km az=39.0. Suspected Mining explosion.

(548) Poland

ISC X 27 20 53 48.9–.58 50.26N–.04 18.79E–.03 0 41 1-4
ISCJB X 27 20 53 48.0–.59 50.27N–.04 18.80E–.03 0 **¶11378483**
CSEM X 27 20 53 48.7–.30 50.28N 18.81E 2 2.6L
PRU X 27 20 53 48.8 50.31N 18.81E 0 2.6L
WAR X 27 20 53 48.7 50.25N 18.88E 2.6L
IPEC X 27 20 53 49.0–.18 50.24N 18.87E 0 1.5L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.9km s-min=2.9km az=8.7.
CSEM Event type ki. Error ellipse: s-maj=7.3km s-min=3.2km az=2.0.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.1km az=165.0.

(460) Wyoming

ISC X 27 23 04 31.9–.31 43.50N–.02 105.34W–.03 0 3.7b 88 1-62
IDC X 27 23 04 30.0–2.6 43.30N 105.23W 0 4.0,3.8 **¶12071289**
ISCJB X 27 23 04 30.2–.33 43.49N–.02 105.36W–.03 0 3.7b,3.8
NEIC X 27 23 04 31.5–.38 43.54N 105.25W 0 3.0L,3.8
ISC Event type fm.
IDC Error ellipse: s-maj=59.3km s-min=8.7km az=155.0.
ISCJB Event type fm. Error ellipse: s-maj=3.5km s-min=2.9km az=21.8.
NEIC Event type fm. Error ellipse: s-maj=5.4km s-min=4.7km az=144.0. 85 km [50 miles] E of Midwest. Suspected Mining explosion.

(542) Denmark

NAO X 28 11 03 05.8–1.1 57.70N 10.43E 2.0L
UPP X 28 11 03 00.5 57.52N 9.97E 0 2.4L **¶13398354**
CSEM X 28 11 03 04.4–.23 57.66N 10.50E 2 2.4L
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
UPP Event type sm. Suspected Mining explosion.
CSEM Event type km. Error ellipse: s-maj=6.1km s-min=4.2km az=91.0. Mining explosion.

(536) Sweden

HEL X 28 11 39 03.0–.10 67.14N 20.64E 0 1.3L,1.2L
CSEM X 28 11 39 01.8–.31 67.15N 20.71E 2 1.3L,1.2L **¶15076311**
UPP X 28 11 39 02.2 67.12N 20.64E 0 1.2L,1.2L
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=7.4km s-min=5.9km az=77.0. Mining explosion.
UPP Event type km. Mining explosion.

(724) Baltic States - Belarus - Northwestern Russia

HEL X 28 11 40 16.1–.40 68.18N 33.39E 0 1.5L
¶14339316
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=6.2km az=-1.0. Explosion.

(542) Denmark

ISC X 28 13 49 04.4–.62 57.71N–.04 10.4E–.10 0 36 1-14
UPP X 28 13 49 00.2 57.46N 9.87E 0 2.5L **¶13398367**
ISCJB X 28 13 49 04.0–.66 57.70N–.04 10.6E–.10 0 2.5L
CSEM X 28 13 49 05.1–.23 57.64N 10.53E 1 2.5L
NAO X 28 13 49 05.9–1.1 57.74N 10.24E 2.0L
IDC X 28 13 49 09.0–2.1 57.79N 10.61E 0 3.7,3.6
ISC Event type km.
UPP Event type sm. Suspected Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=10.1km s-min=5.2km az=23.8.
CSEM Event type km. Error ellipse: s-maj=6.7km s-min=4.1km az=114.0. Mining explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=15.9km az=79.0.

(460) Wyoming

ISC X 28 15 58 37.1–.51 43.71N–.05 105.20W–.06 0 33 1-61
ISCJB X 28 15 58 35.6–.53 43.73N–.05 105.20W–.06 0 **¶12071345**
IDC X 28 15 58 37.3–.92 43.96N 105.75W 0 4.6b,4.0
NEIC X 28 15 58 37.0–.40 43.70N 105.21W 0 3.2L,4.0
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=7.2km s-min=6.4km az=154.8.
IDC Error ellipse: s-maj=23.1km s-min=8.1km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=5.9km s-min=5.0km az=154.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC X 29 02 30 22.4–.17 51.56N–.01 16.10E–.02 0 4.6s,3.9b 531 1-84
ISCJB X 29 02 30 20.6–.18 51.53N–.01 16.10E–.02 0 4.6s,3.9b **¶11378603**
LDG X 29 02 30 20.8–.12 51.59N 16.13E 1–0 4.3L,3.9b
BJI X 29 02 30 20.4 51.60N 16.10E 5 4.8b,4.6s
MOS X 29 02 30 21.0–1.1 51.62N 16.00E 10 4.2b,4.6s

IPEC X 29 02 30 21.9–.47 51.59N 16.14E 2–2 3.6L,4.6s
CSEM X 29 02 30 22.1–.08 51.56N 16.10E 0 4.2L,4.0s
NEIC X 29 02 30 22.4–.33 51.60N 16.01E 5 4.0b,4.0s
IDC X 29 02 30 23.3–.48 51.56N 15.99E 0 4.6s,4.6
BGR X 29 02 30 23.4–.41 51.53N 16.13E 1 3.8L,4.6
WAR X 29 02 30 23.9 51.54N 16.06E 3.3L,4.6
VIE X 29 02 30 25.3–.76 51.36N 16.06E 0–0 4.0s,3.4L
PRU X 29 02 30 25.9 51.43N 16.12E 0 4.0s,3.4L
UPP X 29 02 30 25.5 51.72N 15.28E 0 2.5L,3.4L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=1.8km s-min=1.6km az=162.8.
LDG Event type sr. Error ellipse: s-maj=3.3km s-min=1.8km az=178.0. Suspected Mining induced.
MOS Error ellipse: s-maj=5.6km s-min=3.7km az=81.1.
IPEC Event type ki. Error ellipse: s-maj=3.4km s-min=2.4km az=57.0.
CSEM Event type ki. Error ellipse: s-maj=2.1km s-min=1.8km az=156.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.5km az=158.0.
IDC Error ellipse: s-maj=9.3km s-min=5.9km az=114.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=15.0.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=5.1km s-min=4.6km az=53.0. 72 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki. Felt In Harrachov.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

ISC X 29 03 47 58.5–1.4 51.43N–.06 16.05E–.06 0 30 1-4
WAR X 29 03 47 58.2 51.50N 16.09E 2.1L **¶11378606**
VIE X 29 03 47 58.2–1.1 51.34N 16.02E 0–0 2.1b,2.0L
PRU X 29 03 48 00.8 51.38N 16.03E 0 2.1b,2.0L
CSEM X 29 03 48 00.0–1.1 51.35N 16.02E 2 2.8L,2.0L
ISC Event type kr.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=6.8km s-min=1.5km az=22.0. 74 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=17.5km s-min=8.9km az=5.0.

(548) Poland

ISC X 29 04 56 56.8–.82 51.43N–.04 16.08E–.04 0 53 1-4
ISCJB X 29 04 56 55.4–.79 51.38N–.04 16.10E–.03 0 **¶11378609**
CSEM X 29 04 56 57.1–.72 51.42N 16.05E 1 3.2L
WAR X 29 04 56 58 51.47N 16.10E 2.7L
VIE X 29 04 56 58.3–.89 51.29N 16.07E 0–0 2.6L,2.4b
PRU X 29 04 57 00.8 51.27N 16.08E 0 2.6L,2.4b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=5.9km s-min=2.9km az=13.2.
CSEM Event type ki. Error ellipse: s-maj=11.4km s-min=5.7km az=177.0.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=6.0km s-min=3.1km az=15.0. 69 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(548) Poland

ISC X 29 09 43 13.0–1.6 51.55N–.06 16.18E–.07 0 23 1-3
CSEM X 29 09 43 13.7–.43 51.51N 16.19E 2 3.1L **¶11378615**
WAR X 29 09 43 14.8 51.51N 16.11E 2.2L
PRU X 29 09 43 16.0 51.44N 16.16E 0 2.2L
ISC Event type kr.
CSEM Event type ki. Error ellipse: s-maj=7.0km s-min=3.8km az=8.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.

(723) Finland-Karelia border region

ISC X 29 10 01 09.3–.73 64.69N–.02 30.5E–.10 0 40 1-10
ISCJB X 29 10 01 08.8–.69 64.66N–.02 30.2E–.10 0 **¶12071448**
IDC X 29 10 01 08.5–2.9 64.56N 31.48E 0 3.2,3.1
CSEM X 29 10 01 09.9 64.70N 30.76E 0 1.7L,3.1
HEL X 29 10 01 09.9–.20 64.70N 30.76E 0 1.7L,3.1
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=7.2km s-min=3.5km az=5.4.
IDC Error ellipse: s-maj=40.6km s-min=9.3km az=104.0.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=1.3km az=-1.0. Explosion.

(548) Poland

ISC X 29 18 15 31.5–.50 50.07N–.03 18.36E–.03 0 38 0-3
ISCJB X 29 18 15 30.1–.53 50.10N–.03 18.35E–.03 0 **¶11378639**
IPEC X 29 18 15 31.2–.17 50.06N 18.44E 1–3 1.7L
WAR X 29 18 15 31.1 50.07N 18.43E 1.7L
CSEM X 29 18 15 33.2–.27 49.99N 18.25E 1 2.6L
PRU X 29 18 15 34.3 50.05N 18.22E 0 2.6L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.0km s-min=2.8km az=10.7.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=160.0.
CSEM Event type ki. Error ellipse: s-maj=4.8km s-min=4.0km az=31.0.
PRU Event type ki.

(540) The Netherlands

ISC X 30 05 54 26.3–.33 53.38N–.02 6.43E–.04 0 213 1-18
ISCJB X 30 05 54 24.0–.35 53.40N–.02 6.38E–.04 0 **¶11395442**
CSEM X 30 05 54 27.1–.20 53.34N 6.51E 1 2.7L
IDC X 30 05 54 28.1–1.8 53.17N 6.43E 0 3.6L,3.6
LDG X 30 05 54 28.6–.19 53.38N 6.60E 3–0 3.4,3.3L
BGR X 30 05 54 28.8–.40 53.37N 6.65E 1 3.0L,3.3L
NEIC X 30 05 54 28.6 53.38N 6.60E 3 3.3L,3.3L
BNS X 30 05 54 29.5–.56 53.30N 6.46E 3 2.7L,3.3L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.8km s-min=2.7km az=26.8.
CSEM Event type ki. Error ellipse: s-maj=4.8km s-min=3.3km az=131.0.
IDC Error ellipse: s-maj=26.2km s-min=16.2km az=72.0.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=29.0.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=122.0.
NEIC Event type se. After LDG.
BNS Event type ki.

(548) Poland

ISC X 30 22 38 24.9–.58 51.51N–.03 16.11E–.03 0 78 1-5
ISCJB X 30 22 38 24.2–.64 51.43N–.03 16.14E–.03 0 **¶11391030**
IPEC X 30 22 38 24.1–.28 51.59N 16.18E 0 2.5L
CSEM X 30 22 38 25.9–.34 51.46N 16.07E 2 3.5L
WAR X 30 22 38 26.3 51.51N 16.09E 2.7L
VIE X 30 22 38 27.7–1.2 51.32N 16.02E 0–0 3.0L,2.3b
PRU X 30 22 38 28.4 51.40N 16.10E 0 3.0L,2.3b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.8km s-min=2.5km az=12.4.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=35.0.
CSEM Event type ki. Error ellipse: s-maj=5.7km s-min=3.4km az=2.0.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=8.1km s-min=5.0km az=22.0. 73 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki. Felt In Harrachov.

(548) Poland

ISC X 30 23 19 44.3–.33 51.52N–.02 16.11E–.02 0 200 1-11
ISCJB X 30 23 19 42.8–.34 51.48N–.02 16.15E–.02 0 **¶11391033**
IPEC X 30 23 19 43.7–.29 51.56N 16.15E 0 2.7L
BGR X 30 23 19 45.0–.28 51.52N 16.15E 1 3.0L
CSEM X 30 23 19 44.5–.15 51.51N 16.11E 2 3.6L
NEIC X 30 23 19 45.0 51.52N 16.15E 1 3.0L
IDC X 30 23 19 46.9–1.1 51.47N 15.83E 0 3.6,3.5
VIE X 30 23 19 46.8–.77 51.33N 16.12E 0–0 3.0L,2.7b
WAR X 30 23 19 46.1 51.49N 16.09E 2.8L,2.7b
PRU X 30 23 19 47.4 51.42N 16.16E 0 2.8L,2.7b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=2.9km s-min=1.9km az=20.1.
IPEC Event type ki. Error ellipse: s-maj=3.3km s-min=1.7km az=65.0.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=21.0.
CSEM Event type ki. Error ellipse: s-maj=3.1km s-min=2.1km az=23.0.
NEIC Event type se. After SZGRF.
IDC Error ellipse: s-maj=17.9km s-min=8.8km az=133.0.
VIE Event type sr. Error ellipse: s-maj=5.3km s-min=4.1km az=35.0. 67 km WNW of Wroclaw . Suspected Mining induced.
WAR Event type kr. Mining Induced.
PRU Event type ki. Felt In Harrachov.

(548) Poland

WAR X 31 04 49 33 51.47N 16.10E 2.1L
CSEM X 31 04 49 33.2–1.1 51.41N 16.08E 1 2.1L **¶11391039**
PRU X 31 04 49 36.2 51.33N 16.00E 0 2.1L
WAR Event type kr. Mining Induced.
CSEM Event type ki. Error ellipse: s-maj=17.4km s-min=8.4km az=2.0.
PRU Event type ki.

(548) Poland

ISC X 31 05 47 11.9–.32 50.09N–.02 19.10E–.02 0 157 0-20
BGR X 31 05 47 07.8–.96 49.76N 19.05E 1 3.5L **¶11391041**
CSEM X 31 05 47 11.4–.22 50.14N 19.04E 2 3.6L
NEIC X 31 05 47 11.0–1.7 50.44N 18.95E 5 3.5L
WAR X 31 05 47 11.4 50.07N 19.11E 3.5L
IPEC X 31 05 47 11.4–.18 50.13N 19.07E 0–1 2.9L
ISCJB X 31 05 47 11.3–.33 50.05N–.02 19.11E–.02 0 2.9L
PRU X 31 05 47 11.6 50.20N 19.02E 0 2.9L
IDC X 31 05 47 12.8–1.5 50.05N 18.94E 0 3.6,3.4
ISC Event type ki.
BGR Event type ke. Error ellipse: s-maj=21.1km s-min=6.7km az=12.0.
CSEM Event type ki. Error ellipse: s-maj=6.3km s-min=2.9km az=11.0.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=8.6km az=179.0.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.1km az=166.0.
ISCJB Event type ki. Error ellipse: s-maj=3.5km s-min=1.9km az=17.7.
PRU Event type ki.
IDC Error ellipse: s-maj=24.3km s-min=10.3km az=145.0.

(548) Poland

ISC X 31 08 23 42.5–1.0 51.54N–.05 16.08E–.05 0 35 1-3
ISCJB X 31 08 23 41.2–.98 51.52N–.05 16.06E–.05 0 **¶11391047**
CSEM X 31 08 23 42.2–.68 51.54N 16.06E 1 3.1L
WAR X 31 08 23 43.9 51.53N 16.07E 2.3L
PRU X 31 08 23 46.1 51.42N 16.06E 0 2.3L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=7.0km s-min=3.9km az=11.4.
CSEM Event type ki. Error ellipse: s-maj=11.3km s-min=5.0km az=173.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.

(548) Poland

ISC X 31 10 02 19.6–.91 51.53N–.04 16.16E–.04 0 45 1-3
ISCJB X 31 10 02 18.4–.89 51.50N–.04 16.17E–.04 0 **¶11391051**
CSEM X 31 10 02 19.9–.50 51.51N 16.17E 2 3.5L
WAR X 31 10 02 20.7 51.53N 16.15E 2.6L
PRU X 31 10 02 23.0 51.42N 16.16E 0 2.6L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=6.6km s-min=3.2km az=18.0.
CSEM Event type ki. Error ellipse: s-maj=7.8km s-min=4.0km az=177.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.

(359) Bulgaria

BEO X 31 13 32 29.5–.43 42.39N 24.02E 3–5 1.7L
CSEM X 31 13 32 28.8–.38 42.42N 24.02E 2 1.7L **¶11749784**
CSEM Event type sm. Error ellipse: s-maj=17.0km s-min=6.3km az=25.0. Suspected Mining explosion.

(548) Poland

WAR X 31 19 42 28.5 50.22N 19.03E
CSEM X 31 19 42 29.1–.48 50.23N 18.87E 1 **¶11391063**
PRU X 31 19 42 29.1 50.23N 18.95E 0
CSEM Event type ki. Error ellipse: s-maj=10.7km s-min=5.1km az=10.0.
PRU Event type ki.

(548) Poland

ISC X 31 21 40 26.9–.35 51.51N–.02 16.13E–.02 0 187 1-19
NEIC X 31 21 40 26.5–.43 51.59N 16.21E 5 2.9L **¶11391065**
IPEC X 31 21 40 26.2–.29 51.57N 16.14E 0 2.4L
CSEM X 31 21 40 26.9–.17 51.52N 16.13E 2 3.7L
ISCJB X 31 21 40 26.0–.40 51.43N–.02 16.15E–.02 0 3.7L
IDC X 31 21 40 28.5–.81 51.52N 16.00E 0 3.5,3.4
WAR X 31 21 40 28.3 51.51N 16.11E 2.8L,3.4
VIE X 31 21 40 29.4–.69 51.35N 16.23E 0–0 3.0L,2.5b
PRU X 31 21 40 30.6 51.39N 16.13E 0 3.0L,2.5b
ISC Event type kr.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=5.2km az=149.0.
IPEC Event type ki. Error ellipse: s-maj=3.3km s-min=1.7km az=65.0.
CSEM Event type ki. Error ellipse: s-maj=3.3km s-min=2.5km az=12.0.
ISCJB Event type kr. Error ellipse: s-maj=3.3km s-min=2.0km az=13.6.
IDC Error ellipse: s-maj=16.4km s-min=7.2km az=114.0.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=7.0km s-min=5.9km az=84.0. 61 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki. Felt In Harrachov.

(548) Poland

ISC X 31 22 33 26.3–.48 50.25N–.04 18.86E–.03 0 62 0-4
ISCJB X 31 22 33 25.4–.50 50.26N–.04 18.85E–.03 0 **¶11391067**
IPEC X 31 22 33 26.2–.21 50.28N 18.91E 2–1 1.9L
CSEM X 31 22 33 26.4–.25 50.26N 18.86E 2 2.6L
PRU X 31 22 33 26.9 50.28N 18.86E 0 2.6L
WAR X 31 22 33 27.1 50.24N 18.94E 2.6L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.5km s-min=2.5km az=11.1.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=169.0.
CSEM Event type ki. Error ellipse: s-maj=7.0km s-min=3.0km az=10.0.
PRU Event type ki.

(548) Poland

PRU XI 01 01 50 49.0 50.09N 18.46E 0 ¶11395460
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC XI 01 12 34 27.3–1.0 67.64N–.04 34.1E–.20 0 66 0-12
ISCJB XI 01 12 34 25.3–1.1 67.68N–.04 34.2E–.20 0 **¶13398869**
CSEM XI 01 12 34 27.1–.52 67.63N 34.07E 1 2.2L
HEL XI 01 12 34 28.0–.40 67.71N 34.03E 0 2.3L,2.2L
IDC XI 01 12 34 30.5–1.8 67.71N 33.92E 0 3.7,3.7
NAO XI 01 12 34 30.4–1.3 67.63N 33.76E 2.2L,3.7
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=8.8km s-min=5.6km az=11.0.
CSEM Event type km. Error ellipse: s-maj=10.7km s-min=6.0km az=97.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=18.0km s-min=9.1km az=87.0.
NAO Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.

(548) Poland

ISC XI 01 13 24 57.1–.50 50.06N–.03 18.37E–.03 0 40 0-3
ISCJB XI 01 13 24 55.9–.53 50.10N–.03 18.37E–.03 0 **¶11395467**
CSEM XI 01 13 24 56.5–.24 50.06N 18.42E 1 2.5L
WAR XI 01 13 24 56.8 50.06N 18.43E 2.5L
IPEC XI 01 13 24 57.1–.13 50.07N 18.41E 8–1 1.7L
PRU XI 01 13 24 59.1 50.01N 18.29E 0 1.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.1km s-min=2.9km az=10.3.
CSEM Event type ki. Error ellipse: s-maj=5.5km s-min=3.3km az=177.0.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=0.7km az=162.0.
PRU Event type ki.

(548) Poland

ISC XI 01 13 41 35.5–.64 51.59N–.03 16.05E–.03 0 83 1-4
ISCJB XI 01 13 41 34.6–.63 51.53N–.03 16.05E–.03 0 **¶11395468**
IPEC XI 01 13 41 35.6–.28 51.63N 16.12E 2–1 2.2L
CSEM XI 01 13 41 35.9–.30 51.58N 16.04E 2 3.2L
PRU XI 01 13 41 36.2 51.58N 16.09E 0 3.2L

WAR XI 01 13 41 37.1 51.59N 16.01E 2.6L
VIE XI 01 13 41 37.8–.54 51.47N 16.16E 0–0 2.6L,2.4b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.8km s-min=2.7km az=15.0.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.7km az=26.0.
CSEM Event type ki. Error ellipse: s-maj=5.4km s-min=2.9km az=20.0.
PRU Event type ki.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=5.5km s-min=3.7km az=84.0. 72 km NW of Wroclaw . Suspected Mining induced.

(383) Northwestern Balkan Peninsula

BEO XI 01 14 51 15.0–.88 44.03N 19.11E 2–5 1.6L
CSEM XI 01 14 51 15.7 44.03N 19.11E 2 1.6L **¶11749849**
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion. After BEO.

(460) Wyoming

ISC XI 02 20 59 43.1–.29 43.75N–.02 105.30W–.03 0 77 0-11
ISCJB XI 02 20 59 42.3–.31 43.76N–.02 105.28W–.03 0 **¶12072029**
IDC XI 02 20 59 42.9–1.6 43.84N 105.52W 0 3.8,3.5
NEIC XI 02 20 59 43.1–.42 43.80N 105.26W 0 3.2L,3.5
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=3.0km s-min=2.8km az=156.4.
IDC Error ellipse: s-maj=46.5km s-min=8.2km az=149.0.
NEIC Event type fm. Error ellipse: s-maj=6.4km s-min=5.2km az=154.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(548) Poland

ISC XI 03 21 26 37.3–.57 50.32N–.04 18.77E–.03 0 50 1-4
ISCJB XI 03 21 26 36.3–.58 50.32N–.04 18.77E–.03 0 **¶11395543**
IPEC XI 03 21 26 36.8–.21 50.31N 18.86E 1–1 1.8L
CSEM XI 03 21 26 36.9–.40 50.35N 18.76E 2 2.7L
PRU XI 03 21 26 37.7 50.34N 18.77E 0 2.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=2.6km az=10.7.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=169.0.
CSEM Event type ki. Error ellipse: s-maj=9.9km s-min=3.7km az=5.0.
PRU Event type ki.

(642) Norwegian Sea

ISC XI 04 02 13 00.6–.55 73.41N–.03 14.7E–.20 0 77 2-42
ISCJB XI 04 02 12 58.5–.61 73.34N–.03 14.6E–.20 0 **¶13399167**
CSEM XI 04 02 13 00.1–.29 73.40N 14.39E 1 2.4L
NEIC XI 04 02 13 01.7–.89 73.34N 14.17E 10 2.4L
IDC XI 04 02 13 01.2–1.1 73.36N 14.52E 0 3.6,3.5
BER XI 04 02 13 03.4–3.4 73.38N 14.23E 10–0 3.1,3.0L
NAO XI 04 02 13 04.8–3.9 73.41N 14.71E 30–45 3.0L,3.0L
UPP XI 04 02 13 08.5 72.77N 13.40E 0 2.5L,3.0L
ISC Event type sm.
ISCJB Event type sm. Error ellipse: s-maj=8.6km s-min=4.7km az=167.9.
CSEM Event type sm. Error ellipse: s-maj=12.3km s-min=4.4km az=77.0. Suspected Mining explosion.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=7.9km az=71.0.
IDC Error ellipse: s-maj=23.9km s-min=8.1km az=75.0.
BER Error ellipse: s-maj=7.8km s-min=58.2km az=-1.0.
NAO Error ellipse: s-maj=0.0km s-min=0.3km az=-1.0.
UPP Event type sm. Suspected Mining explosion.

(548) Poland

WAR XI 04 02 45 46.6 50.24N 18.93E
IPEC XI 04 02 45 46.5–.20 50.27N 18.90E 3–1 2.0L **¶11395550**
CSEM XI 04 02 45 46.7–.21 50.26N 18.87E 2 2.8L
PRU XI 04 02 45 47.1 50.27N 18.85E 0 2.8L
IPEC Event type ki. Error ellipse: s-maj=2.7km s-min=1.2km az=172.0.
CSEM Event type ki. Error ellipse: s-maj=5.2km s-min=2.4km az=9.0.
PRU Event type ki.

(543) Germany

VIE XI 04 12 00 00.4–.44 50.21N 12.73E 0–0 2.5L,2.1b
¶13831857
VIE Event type sm. Error ellipse: s-maj=5.6km s-min=1.5km az=42.0. 19 km E of Klingenthal . Suspected Mining explosion.

(548) Poland

ISC XI 04 22 26 55.2–.27 51.50N–.02 16.10E–.02 0 3.4b 254 1-55
ISCJB XI 04 22 26 54.2–.31 51.44N–.02 16.11E–.02 0 3.4b **¶11395581**
IPEC XI 04 22 26 54.7–.29 51.54N 16.15E 0 2.9L
IDC XI 04 22 26 55.7–.59 51.51N 16.02E 0 3.5b,3.5
CSEM XI 04 22 26 55.2–.13 51.51N 16.13E 2 3.7L,3.5
BGR XI 04 22 26 56.7–.39 51.44N 16.12E 1 3.2L,3.5
WAR XI 04 22 26 57.0 51.47N 16.10E 3.1L,3.5
NEIC XI 04 22 26 57.3 51.54N 15.99E 10 3.0L,3.5
PRU XI 04 22 26 57.2 51.42N 16.07E 0 3.0L,3.5
VIE XI 04 22 26 57.6–.37 51.30N 16.10E 0–0 3.2L,2.7b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=2.8km s-min=1.8km az=17.1.
IPEC Event type ki. Error ellipse: s-maj=3.3km s-min=1.7km az=65.0.
IDC Error ellipse: s-maj=13.9km s-min=6.2km az=118.0.
CSEM Event type ki. Error ellipse: s-maj=3.0km s-min=2.3km az=8.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=22.0.
WAR Event type kr. Mining Induced.
NEIC Event type se. After CSEM.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.5km s-min=2.3km az=38.0. 68 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC XI 04 22 29 08.6–1.0 51.45N–.05 16.08E–.04 0 40 1-3
ISCJB XI 04 22 29 07.0–1.0 51.46N–.05 16.07E–.04 0 **¶11395582**
PRU XI 04 22 29 09.7 51.42N 16.07E 0
CSEM XI 04 22 29 09.3–.60 51.40N 16.07E 2 3.0L
WAR XI 04 22 29 09 51.47N 16.10E 2.6L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=7.4km s-min=3.7km az=13.5.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=10.4km s-min=4.9km az=177.0.
WAR Event type kr. Mining Induced.

(548) Poland

ISC XI 05 04 38 52.0–.50 50.15N–.04 19.03E–.03 0 43 0-4
ISCJB XI 05 04 38 50.6–.52 50.17N–.04 18.99E–.03 0 **¶11395602**
CSEM XI 05 04 38 51.5–.37 50.19N 19.04E 2 2.7L
PRU XI 05 04 38 52.6 50.17N 19.01E 0 2.7L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.2km s-min=2.6km az=13.5.
CSEM Event type ki. Error ellipse: s-maj=10.8km s-min=4.1km az=5.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

ISC XI 05 13 10 22.9–.41 59.77N–.03 22.28E–.04 0 71 1-19
ISCJB XI 05 13 10 22.2–.43 59.77N–.03 22.22E–.05 0 **¶13399309**
CSEM XI 05 13 10 23.1–.20 59.80N 22.27E 2 2.1L
HEL XI 05 13 10 23.9–.10 59.73N 22.27E 0 2.5L,2.2L
IDC XI 05 13 10 25.0–1.6 59.87N 22.36E 0 3.1,3.0
NAO XI 05 13 10 25.2–1.2 59.89N 22.24E 2.5L,3.0
BER XI 05 13 10 26.9–2.9 59.95N 22.22E 0–13 2.5L,3.0
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.0km s-min=3.3km az=25.4.
CSEM Event type km. Error ellipse: s-maj=4.3km s-min=3.8km az=6.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=21.8km s-min=6.1km az=159.0.
NAO Error ellipse: s-maj=0.1km s-min=0.0km az=-1.0.
BER Error ellipse: s-maj=9.5km s-min=10.6km az=-1.0.

(724) Baltic States - Belarus - Northwestern Russia

ISC XI 05 13 19 56.8–.37 59.78N–.03 22.32E–.04 0 78 1-10
ISCJB XI 05 13 19 56.2–.38 59.76N–.03 22.26E–.04 0 **¶13399311**
HEL XI 05 13 19 57.6–.10 59.74N 22.27E 0 2.1L,2.0L
CSEM XI 05 13 19 58.0–.16 59.89N 22.25E 2 2.1L,2.0L
UPP XI 05 13 19 58.4 59.81N 22.12E 0 2.1L,2.0L
IDC XI 05 13 19 58.1–2.6 59.80N 22.39E 0 3.1,3.0
NAO XI 05 13 19 58.4–1.3 59.85N 22.26E 2.0L,3.0
BER XI 05 13 20 00.5–4.1 59.93N 22.24E 0–20 2.0L,3.0
ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.3km s-min=3.0km az=10.5.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=4.8km s-min=2.7km az=171.0. Mining explosion.
UPP Event type sm. Suspected Mining explosion.
IDC Error ellipse: s-maj=36.0km s-min=8.7km az=160.0.
NAO Error ellipse: s-maj=0.1km s-min=0.0km az=-1.0.
BER Error ellipse: s-maj=13.6km s-min=15.3km az=-1.0.

(548) Poland

WAR XI 06 11 08 14.8 50.09N 18.44E
CSEM XI 06 11 08 14.5–.22 50.14N 18.40E 2 2.5L **¶11406448**
PRU XI 06 11 08 15.8 50.11N 18.36E 0 2.5L
IPEC XI 06 11 08 15.2–.14 50.10N 18.42E 4–1 1.7L
CSEM Event type ki.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.7km az=162.0.

(548) Poland

WAR XI 06 20 42 00.5 50.07N 19.10E
IPEC XI 06 20 42 00.6–.12 50.07N 19.08E 4–1 2.0L **¶11406457**
CSEM XI 06 20 42 00.0–.35 50.11N 19.01E 1 2.8L
PRU XI 06 20 42 01.3 50.14N 18.97E 0 2.8L
VIE XI 06 20 42 04.7–.84 49.87N 18.82E 0–0 2.3L,1.7b
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=0.7km az=166.0.
CSEM Event type ki. Error ellipse: s-maj=8.6km s-min=4.8km az=171.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.8km s-min=4.4km az=48.0. 41 km E of Ostrava . Suspected Mining induced.

(548) Poland

PRU XI 06 22 50 31.7 50.18N 18.54E 0
CSEM XI 06 22 50 30.5–.28 50.19N 18.57E 2 2.0L **¶11406459**
IPEC XI 06 22 50 30.8–.14 50.14N 18.63E 6–1 1.1L
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=7.1km s-min=3.2km az=173.0.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=0.7km az=165.0.

(548) Poland

WAR XI 07 09 17 46.9 50.22N 19.03E
CSEM XI 07 09 17 46.4–.45 50.25N 18.90E 2 2.7L **¶11406466**
PRU XI 07 09 17 47.3 50.25N 18.88E 0 2.7L
CSEM Event type ki. Error ellipse: s-maj=11.4km s-min=4.5km az=1.0.
PRU Event type ki.

(460) Wyoming

ISC XI 07 18 37 40.9–.42 43.74N–.04 105.26W–.05 0 38 1-61
ISCJB XI 07 18 37 39.3–.44 43.74N–.04 105.25W–.05 0 **¶12072730**
NEIC XI 07 18 37 40.8–.37 43.74N 105.27W 0 2.9L
IDC XI 07 18 37 40.8–1.8 43.84N 105.52W 0 4.2b,4.2
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=6.1km s-min=5.5km az=165.5.
NEIC Event type fm. Error ellipse: s-maj=5.5km s-min=4.8km az=163.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=56.1km s-min=8.2km az=150.0.

(460) Wyoming

ISC XI 07 19 07 37.9–.39 43.80N–.03 105.25W–.05 0 4.2b 57 1-61
ISCJB XI 07 19 07 36.2–.42 43.80N–.03 105.28W–.05 0 4.2b **¶12072732**
IDC XI 07 19 07 36.0–1.4 43.46N 105.23W 0 4.0b,3.8
NEIC XI 07 19 07 37.7–.38 43.79N 105.23W 0 3.2L,3.8
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=5.2km s-min=4.9km az=164.1.
IDC Error ellipse: s-maj=34.7km s-min=8.2km az=152.0.
NEIC Event type fm. Error ellipse: s-maj=5.1km s-min=4.9km az=199.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.

(460) Wyoming

ISC XI 07 20 09 33.2–.55 43.50N–.05 105.01W–.07 0 30 1-11
ISCJB XI 07 20 09 31.8–.56 43.53N–.05 105.01W–.07 0 **¶12072743**
NEIC XI 07 20 09 33.1–.47 43.49N 105.02W 0 3.1L
IDC XI 07 20 09 36.4–2.0 43.98N 105.72W 0 3.4,3.2
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=7.7km s-min=6.6km az=146.0.
NEIC Event type fm. Error ellipse: s-maj=6.9km s-min=5.7km az=147.0. 75 km [50 miles] WSW of Newcastle. Suspected Mining explosion.
IDC Error ellipse: s-maj=77.0km s-min=9.0km az=147.0.

(366) Turkey

ISK XI 08 10 04 03.1 39.65N 29.46E 8 2.6
CSEM XI 08 10 04 03.1 39.65N 29.46E 8 2.6 **¶12072804**
CSEM Event type ki. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.

(548) Poland

PRU XI 09 14 21 09.4 50.26N 19.26E 0
¶11406533
PRU Event type ki.

(548) Poland

ISC XI 10 20 04 59.5–.62 51.50N–.03 16.09E–.03 0 75 1-4
ISCJB XI 10 20 04 58.7–.61 51.44N–.03 16.09E–.03 0 **¶11434390**
CSEM XI 10 20 04 59.8–.29 51.48N 16.09E 2 3.3L
IPEC XI 10 20 05 00.3–.29 51.51N 16.15E 8–1 2.3L
WAR XI 10 20 05 00.6 51.51N 16.06E 2.7L
VIE XI 10 20 05 01.1–.68 51.38N 16.13E 0–0 2.8L,2.3b
PRU XI 10 20 05 01.3 51.44N 16.10E 0 2.8L,2.3b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.6km s-min=2.5km az=12.8.
CSEM Event type ki. Error ellipse: s-maj=5.0km s-min=2.9km az=18.0.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=0.7km az=34.0.
WAR Event type kr. Mining Induced.
VIE Event type sr. Error ellipse: s-maj=5.4km s-min=4.2km az=70.0. 69 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(547) Czech and Slovak Republics

ISC XI 10 20 25 52.1–.36 49.82N–.02 18.47E–.03 0 76 0-5
ISCJB XI 10 20 25 50.9–.37 49.83N–.02 18.46E–.03 0 **¶11434394**
VIE XI 10 20 25 52.9–.64 49.65N 18.46E 0–0 2.2L,2.1b
IPEC XI 10 20 25 52.4–.15 49.83N 18.54E 9–1 1.8L,2.1b
CSEM XI 10 20 25 52.0–.15 49.82N 18.48E 2 2.5L,2.1b
PRU XI 10 20 25 52.9 49.80N 18.47E 0 2.5L,2.1b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.5km s-min=2.3km az=18.5.
VIE Event type sr. Error ellipse: s-maj=4.3km s-min=2.5km az=89.0. 25 km SE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.3km s-min=0.9km az=15.0.
CSEM Event type ki. Error ellipse: s-maj=3.7km s-min=2.1km az=10.0.
PRU Event type ki.

(548) Poland

ISC XI 11 08 58 55.2–.00 51.43N–.05 16.21E–.04 0 38 1-3
ISCJB XI 11 08 58 53.2–.99 51.45N–.05 16.23E–.05 0 **¶11434404**
CSEM XI 11 08 58 55.0–.94 51.44N 16.21E 2 3.1L
WAR XI 11 08 58 56.3 51.44N 16.20E 2.4L
PRU XI 11 08 58 57.1 51.38N 16.24E 0 2.4L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=7.1km s-min=3.6km az=18.6.
CSEM Event type ki. Error ellipse: s-maj=15.3km s-min=6.7km az=30.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.

(359) Bulgaria

BEO XI 11 13 02 26.0–.69 42.52N 24.21E 15–7 1.9L
SKO XI 11 13 02 29.6 42.61N 24.15E 0 2.3L,2.0 **¶11750443**

(548) Poland

ISC XI 12 00 05 29.8–.79 51.53N–.04 16.09E–.04 0 60 1-4
ISCJB XI 12 00 05 28.7–.77 51.49N–.04 16.10E–.04 0 **¶11434414**
CSEM XI 12 00 05 29.9–.36 51.52N 16.11E 2 3.1L
WAR XI 12 00 05 30.9 51.53N 16.10E 2.3L
PRU XI 12 00 05 30.8 51.51N 16.10E 0 2.3L
VIE XI 12 00 05 33.5–.63 51.25N 16.23E 0–0 2.4L,2.1b

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=5.9km s-min=3.0km az=15.2.
CSEM Event type ki. Error ellipse: s-maj=6.2km s-min=3.4km az=8.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.6km s-min=3.9km az=97.0. 57 km WNW of Wroclaw . Suspected Mining induced.

(543) Germany

ISC	**XI**	**12 20 56 54.8–.26**	**51.46N–.01**	**6.54E–.02**	**0**		**368**	**0-8**
ISCJB	XI	12 20 56 53.9–.26	51.40N–.01	6.62E–.02	0			**¶11474877**
UCC	XI	12 20 56 55.4–.49	51.54N	6.58E	8–4	2.8L		
BUG	XI	12 20 56 55.3	51.47N	6.59E	1	2.7L		
CSEM	XI	12 20 56 55.5–.13	51.47N	6.57E	10–0	3.5L,3.2s		
BGR	XI	12 20 56 56.5–.40	51.46N	6.62E	1	3.0L,3.2s		
LDG	XI	12 20 56 56.2–.06	51.51N	6.57E	1–0	3.4L,3.2s		
NEIC	XI	12 20 56 56.5	51.46N	6.62E	1	3.4L,3.0L		
BNS	XI	12 20 56 56.6–1.6	51.48N	6.59E	2–26	2.7L,3.0L		
VIE	XI	12 20 56 59.6–.52	51.34N	7.01E	1–0	3.2s,2.6b		
STR	XI	12 20 57 02.0–.17	51.18N	6.87E	10–0	3.4L,2.6b		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=2.4km s-min=1.8km az=37.7.
UCC Event type ki.
BNS Event type fi. Felt in Moers (IV) and Kamp-Lintfort (III).
CSEM Event type ki. Error ellipse: s-maj=2.8km s-min=1.9km az=144.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=129.0.
LDG Event type sr. Error ellipse: s-maj=1.3km s-min=0.9km az=153.0. Suspected Mining induced.
NEIC Event type se. After SZGRF.
BNS Event type ki.
VIE Error ellipse: s-maj=4.1km s-min=2.7km az=146.0. 13 km S of Essen .
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(366) Turkey

ISC	**XI**	**13 08 00 01.7–.43**	**39.12N–.03**	**27.54E–.04**	**0**		**46**	**0-2**
ISCJB	XI	13 08 00 01.2–.43	39.12N–.02	27.55E–.04	0			**¶12073397**
CSEM	XI	13 08 00 01.3–.23	39.13N	27.55E	1	2.9		
DDA	XI	13 08 00 01.7	39.14N	27.59E	7–4	2.9		
ISK	XI	13 08 00 01.5	39.09N	27.58E	19	2.8		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.3km s-min=3.4km az=157.8.
CSEM Event type ki. Error ellipse: s-maj=5.5km s-min=4.5km az=59.0.

(383) Northwestern Balkan Peninsula

CSEM	**XI**	**13 10 05 20.1**	**45.98N**	**15.44E**	**0**	**1.1L**		
								¶15108621

CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After LJU.

(548) Poland

ISC	**XI**	**14 05 45 10.3–.46**	**50.04N–.03**	**18.36E–.03**	**0**		**45**	**0-3**
CSEM	XI	14 05 45 09.6–.14	50.08N	18.38E	2	2.5L		**¶13836603**
ISCJB	XI	14 05 45 09.5–.47	50.06N–.03	18.35E–.03	0	2.5L		
WAR	XI	14 05 45 10.2	50.05N	18.42E		2.5L		
IPEC	XI	14 05 45 10.5–.13	50.06N	18.39E	7–1	1.6L		
VIE	XI	14 05 45 10.4–.94	49.69N	18.52E	0–0	2.0L,1.4b		
PRU	XI	14 05 45 11.8	50.03N	18.30E	0	2.0L,1.4b		

ISC Event type sr.
CSEM Event type ki. Error ellipse: s-maj=3.4km s-min=1.7km az=170.0.
ISCJB Event type sr. Error ellipse: s-maj=4.6km s-min=2.9km az=10.7.
IPEC Event type ki. Error ellipse: s-maj=1.5km s-min=0.7km az=162.0.
VIE Event type sr. Error ellipse: s-maj=5.6km s-min=3.5km az=96.0. 25 km SE of Ostrava . Suspected Mining induced.
PRU Event type ki.

(548) Poland

ISC	**XI**	**14 20 19 39.2–.29**	**51.53N–.02**	**16.15E–.02**	**0**		**184**	**1-19**
ISCJB	XI	14 20 19 37.8–.34	51.51N–.02	16.14E–.02	0			**¶12073554**
NEIC	XI	14 20 19 38.7–.44	51.62N	16.12E	5	3.2L		
IPEC	XI	14 20 19 39.8–.22	51.52N	16.21E	1–1	2.7L		
CSEM	XI	14 20 19 40.0–.15	51.51N	16.14E	2	3.6L		
IDC	XI	14 20 19 40.5–.66	51.53N	16.00E	0	3.6,3.5		
WAR	XI	14 20 19 41.4	51.48N	16.11E		2.9L,3.5		
BGR	XI	14 20 19 41.5–.43	51.48N	16.12E	1	3.2L,3.5		
PRU	XI	14 20 19 41.7	51.43N	16.10E	0	3.2L,3.5		
VIE	XI	14 20 19 42.9–.53	51.27N	16.11E	0–0	3.2L,2.6b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.2km s-min=1.9km az=14.8.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=6.3km az=66.0.
IPEC Event type ki. Error ellipse: s-maj=1.5km s-min=0.6km az=38.0.
CSEM Event type ki. Error ellipse: s-maj=3.4km s-min=2.1km az=15.0.
IDC Error ellipse: s-maj=12.7km s-min=6.6km az=102.0.
WAR Event type kr. Mining Induced.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=18.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.4km s-min=2.8km az=166.0. 66 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC	**XI**	**15 16 32 54.7–.20**	**51.52N–.01**	**16.11E–.02**	**0**	**3.7b**	**346**	**1-75**
ISCJB	XI	15 16 32 52.8–.22	51.51N–.02	16.12E–.02	0	3.7b		**¶11474890**
MOS	XI	15 16 32 53.5–1.1	51.62N	16.11E	10	3.9b		
LDG	XI	15 16 32 54.9–.30	51.47N	16.09E	1–0	4.0L		
CSEM	XI	15 16 32 54.7–.09	51.53N	16.13E	2	4.0L,3.5L		
NEIC	XI	15 16 32 54.6–.35	51.56N	16.01E	5	3.9b,3.5L		
WAR	XI	15 16 32 56.6	51.49N	16.09E		3.2L,3.5L		
BGR	XI	15 16 32 56.5–.41	51.47N	16.09E	1	3.5L,3.5L		
IDC	XI	15 16 32 56.0–.57	51.49N	15.96E	0	3.8,3.6b		
VIE	XI	15 16 32 57.0–.58	51.33N	16.04E	1–0	3.2L,3.0b		
UPP	XI	15 16 32 57.8	51.63N	15.24E	0	2.5L,3.0b		
STR	XI	15 16 32 57.4–2.1	52.03N	15.39E	1–0	4.1L,3.0b		
PRU	XI	15 16 32 58.8	51.37N	16.13E	0	3.9,3.0b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=2.2km s-min=1.8km az=0.1.
MOS Error ellipse: s-maj=6.9km s-min=4.2km az=76.2.
LDG Event type sr. Error ellipse: s-maj=7.2km s-min=3.4km az=15.0. Suspected Mining induced.
CSEM Event type ki. Error ellipse: s-maj=2.2km s-min=1.9km az=162.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.7km az=158.0.
WAR Event type kr. Mining Induced.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=19.0.
IDC Error ellipse: s-maj=11.7km s-min=6.7km az=110.0.
VIE Event type sr. Error ellipse: s-maj=3.9km s-min=2.8km az=17.0. 72 km WNW of Wroclaw . Suspected Mining induced.
UPP Event type sm. Suspected Mining explosion.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
PRU Event type ki.

(548) Poland

ISC	**XI**	**15 16 42 13.5–.30**	**51.50N–.02**	**16.13E–.02**	**0**		**199**	**1-19**
NEIC	XI	15 16 42 12.8–.59	51.62N	16.06E	5	3.1L		**¶11474891**
ISCJB	XI	15 16 42 12.2–.33	51.47N–.02	16.15E–.02	0	3.1L		
VIE	XI	15 16 42 13.6–.36	51.52N	16.10E	1–0	3.4L,2.8b		
CSEM	XI	15 16 42 13.4–.14	51.54N	16.14E	2	3.1L,2.8b		
LDG	XI	15 16 42 14.1–.81	51.43N	16.06E	1–0	3.5L,2.8b		
BGR	XI	15 16 42 14.3–.48	51.50N	16.16E	1	3.1L,2.8b		
PRU	XI	15 16 42 15.6	51.43N	16.14E	0	3.1L,2.8b		
WAR	XI	15 16 42 15	51.46N	16.10E		3.1L,2.8b		
IDC	XI	15 16 42 15.2–.75	51.48N	15.96E	0	3.7,3.6		

ISC Event type kr.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.4km az=167.0.
ISCJB Event type kr. Error ellipse: s-maj=3.1km s-min=2.0km az=17.1.
VIE Event type sr. Error ellipse: s-maj=2.7km s-min=2.0km az=10.0. 79 km NW of Wroclaw . Suspected Mining induced.
CSEM Event type ki. Error ellipse: s-maj=3.6km s-min=2.3km az=17.0.
LDG Event type sr. Error ellipse: s-maj=20.9km s-min=6.9km az=8.0. Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=27.0.
PRU Event type ki.
WAR Event type kr. Mining Induced.
IDC Error ellipse: s-maj=13.7km s-min=7.4km az=108.0.

(548) Poland

ISC	**XI**	**16 00 29 54.0–.66**	**51.46N–.04**	**16.10E–.04**	**0**		**52**	**1-4**
ISCJB	XI	16 00 29 53.1–.65	51.42N–.04	16.10E–.04	0			**¶13400300**
IPEC	XI	16 00 29 53.0–.22	51.55N	16.21E	0	2.0L		
CSEM	XI	16 00 29 53.2–.32	51.51N	16.10E	1	3.0L		
PRU	XI	16 00 29 55.8	51.40N	16.06E	0	3.0L		
WAR	XI	16 00 29 55.1	51.46N	16.11E		2.5L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=5.2km s-min=3.1km az=13.4.
IPEC Event type ki. Error ellipse: s-maj=1.5km s-min=1.3km az=12.0.
CSEM Event type ki. Error ellipse: s-maj=5.1km s-min=5.1km az=139.0.
PRU Event type ki.
WAR Event type kr. Mining Induced.

(723) Finland-Karelia border region

HEL	**XI**	**17 13 01 11.0–1.0**	**60.65N**	**28.80E**	**0**	**1.5L**		
CSEM	XI	17 13 01 11.0	60.65N	28.80E	0	1.5L		**¶13910785**

HEL Event type kh. Error ellipse: s-maj=4.2km s-min=8.1km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(548) Poland

ISC	**XI**	**19 00 45 14.2–.30**	**50.13N–.02**	**19.02E–.02**	**0**		**193**	**1-20**
ISCJB	XI	19 00 45 13.1–.33	50.14N–.02	18.98E–.02	0			**¶11458351**
WAR	XI	19 00 45 14.8	50.07N	19.10E				
CSEM	XI	19 00 45 14.6–.14	50.12N	19.06E	2	2.8L		
IDC	XI	19 00 45 14.8–3.3	49.94N	19.18E	0	3.7,3.6		
NEIC	XI	19 00 45 15.1	50.18N	19.03E	1	3.2L,3.6		
BGR	XI	19 00 45 15.2–.34	50.18N	19.03E	1	3.2L,3.6		
IPEC	XI	19 00 45 15.1–.13	50.08N	19.08E	8–1	2.8L,3.6		
PRU	XI	19 00 45 15.0	50.22N	19.02E	0	2.8L,3.6		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.1km s-min=2.0km az=15.2.
CSEM Event type ki. Error ellipse: s-maj=3.6km s-min=2.2km az=11.0.
IDC Error ellipse: s-maj=66.8km s-min=10.6km az=140.0.
NEIC Event type se. After SZGRF.
BGR Event type ki. Error ellipse: s-maj=10.0km s-min=3.3km az=172.0.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=0.7km az=165.0.
PRU Event type ki.

(724) Baltic States - Belarus - Northwestern Russia

HEL	**XI**	**19 03 52 37.3–1.3**	**67.61N**	**33.94E**	**0**	**1.5L**		
								¶13912350

HEL Event type kh. Error ellipse: s-maj=4.8km s-min=17.9km az=-1.0. Explosion.

(548) Poland

ISC	**XI**	**19 16 51 03.0–.34**	**50.10N–.02**	**18.37E–.03**	**0**		**127**	**0-20**
ISCJB	XI	19 16 51 01.7–.36	50.12N–.02	18.35E–.03	0			**¶11458382**
CSEM	XI	19 16 51 02.8–.14	50.11N	18.40E	1	3.6L		
WAR	XI	19 16 51 03.6	50.07N	18.43E		3.6L		
BGR	XI	19 16 51 03.9–.32	50.10N	18.41E	1	3.1L		
IPEC	XI	19 16 51 03.7–.13	50.09N	18.42E	8–1	2.7L		
IDC	XI	19 16 51 03.3–1.9	49.88N	18.55E	0	3.6,3.5		
PRU	XI	19 16 51 04.5	50.08N	18.34E	0	3.6,3.5		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.2km s-min=2.1km az=25.4.
CSEM Event type ki. Error ellipse: s-maj=2.9km s-min=2.0km az=26.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=3.3km az=1.0.
IPEC Event type ki. Error ellipse: s-maj=1.1km s-min=0.7km az=164.0.
IDC Error ellipse: s-maj=34.2km s-min=10.6km az=138.0.
PRU Event type ki.

(547) Czech and Slovak Republics

ISC	**XI**	**20 05 31 00.9–.37**	**49.89N–.02**	**18.42E–.03**	**0**		**74**	**0-4**
ISCJB	XI	20 05 30 59.5–.39	49.90N–.03	18.39E–.03	0			**¶11473096**
CSEM	XI	20 05 31 00.8–.20	49.90N	18.44E	2	3.0L		
IPEC	XI	20 05 31 01.0–.18	49.85N	18.53E	1–3	2.5L		
PRU	XI	20 05 31 01.4	49.87N	18.42E	0	2.5L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.7km s-min=2.4km az=12.4.
CSEM Event type ki. Error ellipse: s-maj=4.4km s-min=2.9km az=11.0.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=161.0.
PRU Event type ki.

(548) Poland

ISC	**XI**	**20 05 41 25.7–.55**	**51.45N–.03**	**16.23E–.03**	**0**		**65**	**1-19**
ISCJB	XI	20 05 41 24.9–.69	51.40N–.03	16.22E–.04	0			**¶11473097**
CSEM	XI	20 05 41 26.5–.45	51.42N	16.20E	2	3.6L		
PRU	XI	20 05 41 27.8	51.38N	16.19E	0	3.6L		
WAR	XI	20 05 41 27.5	51.44N	16.20E		2.8L		
IDC	XI	20 05 41 28.1–1.0	51.41N	16.09E	0	3.6,3.4		
VIE	XI	20 05 41 30.8–1.7	51.19N	16.16E	0–0	3.0L,2.2b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=5.2km s-min=3.0km az=19.7.
CSEM Event type ki. Error ellipse: s-maj=7.3km s-min=4.2km az=11.0.
PRU Event type ki. Felt In Harrachov.
WAR Event type kr. Mining Induced.
IDC Error ellipse: s-maj=23.4km s-min=9.0km az=128.0.
VIE Event type sr. Error ellipse: s-maj=12.6km s-min=9.5km az=91.0. 60 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC	**XI**	**21 16 37 51.1–.33**	**51.54N–.02**	**16.10E–.03**	**0**		**133**	**1-19**
ISCJB	XI	21 16 37 49.2–.34	51.58N–.02	16.14E–.03	0			**¶11473167**
IPEC	XI	21 16 37 51.2–.28	51.57N	16.20E	0	2.7L		
CSEM	XI	21 16 37 52.1–.20	51.51N	16.12E	2	3.8L		
IDC	XI	21 16 37 52.9–.74	51.49N	16.03E	0	3.6,3.5		
WAR	XI	21 16 37 53.6	51.49N	16.10E		2.9L,3.5		
NEIC	XI	21 16 37 53.6	51.47N	16.07E	1	2.9L,3.5		
PRU	XI	21 16 37 54.0	51.43N	16.03E	0	2.9L,3.5		
VIE	XI	21 16 37 56.3–.41	51.21N	16.27E	0–0	3.1L,2.6b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.2km s-min=2.6km az=23.6.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.5km az=42.0.
CSEM Event type ki. Error ellipse: s-maj=4.2km s-min=2.9km az=8.0.
IDC Error ellipse: s-maj=14.5km s-min=7.2km az=109.0.
WAR Event type kr. Mining Induced.
NEIC Event type se. After SZGRF.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.9km s-min=2.5km az=99.0. 52 km WNW of Wroclaw . Suspected Mining induced.

(548) Poland

ISC	**XI**	**21 17 56 34.1–.47**	**50.25N–.03**	**18.87E–.03**	**0**		**62**	**0-5**
ISCJB	XI	21 17 56 32.7–.49	50.27N–.03	18.86E–.03	0			**¶11473168**
IPEC	XI	21 17 56 33.7–.21	50.28N	18.90E	0–1	2.3L		
CSEM	XI	21 17 56 33.6–.25	50.27N	18.87E	2	2.9L		
WAR	XI	21 17 56 34.1	50.24N	18.93E		2.9L		
PRU	XI	21 17 56 34.4	50.27N	18.86E	0	2.9L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.9km s-min=2.5km az=14.6.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=169.0.
CSEM Event type ki. Error ellipse: s-maj=5.7km s-min=2.7km az=12.0.
PRU Event type ki.

(548) Poland

ISC	**XI**	**21 21 06 47.2–.38**	**50.31N–.03**	**18.84E–.02**	**0**		**101**	**0-12**
ISCJB	XI	21 21 06 46.0–.40	50.33N–.03	18.82E–.02	0			**¶11473174**
IPEC	XI	21 21 06 46.8–.21	50.31N	18.89E	3–1	2.5L		
CSEM	XI	21 21 06 46.9–.18	50.32N	18.85E	2	3.3L		
WAR	XI	21 21 06 47.1	50.27N	18.91E		3.3L		
PRU	XI	21 21 06 47.6	50.28N	18.85E	0	3.3L		
NEIC	XI	21 21 06 48.8–1.7	50.22N	18.77E	5	2.9L		
IDC	XI	21 21 06 48.8–1.7	50.24N	18.77E	0	3.5,3.3		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=4.2km s-min=2.1km az=12.5.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=169.0.
CSEM Event type ki. Error ellipse: s-maj=4.7km s-min=2.1km az=10.0.
PRU Event type ki.
NEIC Event type se. Error ellipse: s-maj=33.4km s-min=8.7km az=179.0.

IDC Error ellipse: s-maj=34.8km s-min=11.8km az=143.0.

(543) Germany

ISC	**XI**	**22 07 41 20.3–.33**	**51.56N–.02**	**6.75E–.03**	**0**		**305**	**0-8**
ISCJB	XI	22 07 41 19.0–.35	51.52N–.02	6.70E–.03	0			**¶11473193**
CSEM	XI	22 07 41 20.4–.18	51.57N	6.75E	1	3.4L		
BUG	XI	22 07 41 21.9	51.59N	6.91E	1	2.4L		
LDG	XI	22 07 41 21.9–.10	51.58N	6.85E	1–0	3.4,3.3L		
NEIC	XI	22 07 41 22.0	51.56N	6.86E	1	3.3L,3.1L		
BNS	XI	22 07 41 22.0–.67	51.59N	6.85E	1	2.8L,3.1L		
BGR	XI	22 07 41 22.0–.46	51.56N	6.86E	1	2.9L,3.1L		
PRU	XI	22 07 41 24.2	51.59N	7.08E	0	2.9L,3.1L		
STR	XI	22 07 41 26.1–1.1	51.37N	7.24E	5–0	3.3L,3.1L		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.6km s-min=2.3km az=41.6.
CSEM Event type ki. Error ellipse: s-maj=4.0km s-min=2.7km az=138.0.
BUG Event type ki.
LDG Event type sr. Error ellipse: s-maj=1.9km s-min=1.5km az=145.0. Suspected Mining induced.
NEIC Event type se. After SZGRF.
BNS Event type ki.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=4.4km az=125.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(548) Poland

ISC	**XI**	**22 08 07 48.0–.81**	**51.49N–.04**	**16.09E–.04**	**0**		**46**	**1-4**
IPEC	XI	22 08 07 46.3–.28	51.61N	16.19E	0	2.1L		**¶11473196**
ISCJB	XI	22 08 07 46.9–.81	51.46N–.04	16.08E–.04	0	2.1L		
CSEM	XI	22 08 07 48.2–.45	51.47N	16.09E	2	3.4L		
WAR	XI	22 08 07 48.6	51.52N	16.12E		2.5L		
PRU	XI	22 08 07 49.0	51.47N	16.10E	0	2.5L		
VIE	XI	22 08 07 50.4–.47	51.24N	16.12E	0–0	2.6L,2.1b		

ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.6km az=37.0.
ISCJB Event type kr. Error ellipse: s-maj=6.3km s-min=3.3km az=18.5.
CSEM Event type ki. Error ellipse: s-maj=7.6km s-min=4.4km az=18.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=3.2km s-min=2.5km az=5.0. 64 km WNW of Wroclaw . Suspected Mining induced.

(536) Sweden

ISC	**XI**	**22 13 00 24.0–.46**	**67.10N–.02**	**21.02E–.08**	**0**		**45**	**1-8**
ISCJB	XI	22 13 00 22.7–.46	67.06N–.02	21.07E–.08	0			**¶12074499**
UPP	XI	22 13 00 23.3	67.09N	20.89E	0	2.1L		
CSEM	XI	22 13 00 23.5–.28	67.09N	20.95E	2	1.8L		
IDC	XI	22 13 00 24.4–.88	67.17N	21.41E	0	3.1,3.1		
HEL	XI	22 13 00 24.1–.20	67.10N	20.77E	0	2.1L,1.8L		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=4.7km s-min=3.2km az=161.6.
UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=6.5km s-min=5.5km az=65.0. Mining explosion.
IDC Error ellipse: s-maj=16.7km s-min=6.8km az=111.0.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0. Explosion.

(548) Poland

ISC	**XI**	**22 20 49 18.6–.60**	**50.26N–.04**	**18.89E–.03**	**0**		**40**	**1-4**
ISCJB	XI	22 20 49 17.6–.60	50.24N–.04	18.88E–.03	0			**¶11473228**
WAR	XI	22 20 49 18.9	50.24N	18.97E				
IPEC	XI	22 20 49 18.9–.21	50.24N	18.95E	2–2	1.7L		
PRU	XI	22 20 49 18.8	50.28N	18.88E	0	1.7L		
CSEM	XI	22 20 49 18.2–.30	50.29N	18.89E	2	2.6L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=5.8km s-min=2.8km az=7.2.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=1.1km az=168.0.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=6.7km s-min=2.7km az=1.0.

(547) Czech and Slovak Republics

ISC	**XI**	**22 22 27 54.4–.16**	**49.91N–.02**	**18.38E–.01**	**0**	**3.9b**	**551**	**0-70**
ISCJB	XI	22 22 27 52.3–.17	49.95N–.02	18.29E–.01	0	4.0b		**¶11473231**
MOS	XI	22 22 27 53.7–1.6	49.89N	18.30E	10	4.3b		
CSEM	XI	22 22 27 54.5–.12	49.86N	18.35E	0	4.3b,3.9s		
LDG	XI	22 22 27 54.2–.09	49.84N	18.50E	1–0	4.2L,3.9s		
IDC	XI	22 22 27 55.6–.62	49.69N	18.53E	0	3.8,3.7b		
NEIC	XI	22 22 27 55.1	49.91N	18.46E	2	4.1L,3.7L		
IPEC	XI	22 22 27 55.0–.17	49.83N	18.49E	3–3	3.6L,3.7L		
VIE	XI	22 22 27 56.2–.87	49.65N	18.41E	0–4	3.9s,3.3L		
STR	XI	22 22 27 56.5–.76	49.94N	18.29E	5–0	4.2L,3.3L		
PRU	XI	22 22 27 56.1	49.88N	18.40E	0	4.2L,3.3L		
BGR	XI	22 22 27 56.6–.42	49.90N	18.34E	1	4.1L,3.3L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=2.4km s-min=1.3km az=8.2.
MOS Error ellipse: s-maj=4.8km s-min=4.3km az=150.8.
CSEM Event type kr. Error ellipse: s-maj=3.7km s-min=2.2km az=12.0. Mining induced.
LDG Event type sr. Error ellipse: s-maj=2.8km s-min=1.6km az=10.0. Suspected Mining induced.
IDC Error ellipse: s-maj=11.8km s-min=6.4km az=153.0.
NEIC Event type di. Two miners killed and 3 injured due to a mine collapse near Karvina. Felt at Orlova and Ostrava. After CSEM.
IPEC Event type kr. Error ellipse: s-maj=2.2km s-min=1.1km az=161.0. Mining induced.
VIE Event type sr. Error ellipse: s-maj=5.1km s-min=2.9km az=96.0. 23 km SSE of Ostrava . Suspected Mining induced.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
PRU Event type kr. Rockburst In Region Felt, 2 Miners Died, 3 Wounded. Mining induced.
BGR Event type ki. Error ellipse: s-maj=10.0km s-min=5.6km az=7.0.

(548) Poland

ISC	**XI**	**23 05 38 19.1–1.5**	**51.47N–.06**	**16.08E–.07**	**0**		**25**	**1-3**
CSEM	XI	23 05 38 18.9–.71	51.47N	16.09E	1	2.8L		**¶11473250**
WAR	XI	23 05 38 19.5	51.51N	16.11E		2.8L		
PRU	XI	23 05 38 20.1	51.44N	16.08E	0	2.8L		

ISC Event type kr.
CSEM Event type ki. Error ellipse: s-maj=12.3km s-min=5.9km az=175.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.

(547) Czech and Slovak Republics

PRU	**XI**	**23 07 05 17.9**	**49.83N**	**18.48E**	**0**			
IPEC	XI	23 07 05 16.6–.49	49.84N	18.56E	3–1	1.2L		**¶11473254**
CSEM	XI	23 07 05 16.8–.42	49.81N	18.53E	1	2.1L		

PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=3.1km s-min=2.1km az=103.0.
CSEM Event type ki. Error ellipse: s-maj=7.4km s-min=6.1km az=177.0.

(723) Finland-Karelia border region

ISC	**XI**	**25 11 00 15.4–.77**	**61.02N–.04**	**28.80E–.08**	**0**		**52**	**1-9**
ISCJB	XI	25 11 00 14.9–.78	61.08N–.04	28.73E–.08	0			**¶13913138**
NAO	XI	25 11 00 14.9–1.9	60.93N	28.96E		2.2L		
CSEM	XI	25 11 00 15.4–.37	61.04N	28.79E	1	2.9L		
HEL	XI	25 11 00 15.4–.10	60.97N	28.99E	0	2.2L,2.0L		
BER	XI	25 11 00 15.2–4.0	61.00N	29.02E	0–23	2.2L,2.0L		
IDC	XI	25 11 00 17.1–1.8	60.99N	28.85E	0	3.3,3.3		

ISC Event type km.
ISCJB Event type km. Error ellipse: s-maj=6.1km s-min=4.7km az=28.6.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=7.2km s-min=5.1km az=126.0. Mining explosion.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0. Explosion.
BER Error ellipse: s-maj=18.6km s-min=37.4km az=-1.0.
IDC Error ellipse: s-maj=18.0km s-min=12.2km az=176.0.

(548) Poland

ISC	**XI**	**26 09 15 54.1–.62**	**50.25N–.05**	**18.82E–.04**	**0**		**30**	**1-4**
ISCJB	XI	26 09 15 53.2–.64	50.29N–.05	18.80E–.04	0			**¶11478390**
CSEM	XI	26 09 15 53.9–.38	50.31N	18.80E	2	2.5L		
IPEC	XI	26 09 15 54.4–.17	50.27N	18.84E	0–1	1.6L		
PRU	XI	26 09 15 54.8	50.26N	18.80E	0	1.6L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.0km s-min=3.5km az=4.4.
CSEM Event type ki. Error ellipse: s-maj=11.0km s-min=4.3km az=173.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=0.8km az=167.0.
PRU Event type ki.

(548) Poland

ISC	**XI**	**27 00 33 51.4–.46**	**50.21N–.03**	**18.84E–.03**	**0**		**53**	**1-4**
IPEC	XI	27 00 33 50.8–.21	50.30N	18.87E	1–1	1.7L		**¶11482869**
ISCJB	XI	27 00 33 50.2–.50	50.26N–.04	18.83E–.03	0	1.7L		
CSEM	XI	27 00 33 51.1–.20	50.23N	18.85E	2	2.6L		
WAR	XI	27 00 33 51.2	50.24N	18.92E		2.6L		
PRU	XI	27 00 33 52.3	50.25N	18.82E	0	2.6L		
VIE	XI	27 00 33 55.0–.76	49.83N	18.76E	0–0	2.0L,1.8b		

ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=169.0.
ISCJB Event type sr. Error ellipse: s-maj=5.3km s-min=2.5km az=14.5.
CSEM Event type ki. Error ellipse: s-maj=4.8km s-min=2.4km az=5.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=5.2km s-min=4.3km az=162.0. 36 km E of Ostrava . Suspected Mining induced.

(721) Finland

HEL	**XI**	**27 09 45 41.0–.40**	**62.79N**	**22.92E**	**0**	**1.4L**		
CSEM	XI	27 09 45 41.0	62.79N	22.92E	0	1.4L		**¶13916968**

HEL Event type kh. Error ellipse: s-maj=2.3km s-min=6.3km az=-1.0. Explosion.
CSEM Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.

(724) Baltic States - Belarus - Northwestern Russia

HEL	**XI**	**27 09 45 47.4–1.4**	**59.29N**	**27.70E**	**0**	**1.5L**		
								¶13916967

HEL Event type kh. Error ellipse: s-maj=6.2km s-min=15.0km az=-1.0. Explosion.

(548) Poland

ISC	**XI**	**27 12 47 29.8–.57**	**50.13N–.05**	**19.02E–.03**	**0**		**39**	**1-4**
ISCJB	XI	27 12 47 29.0–.58	50.14N–.05	19.00E–.03	0			**¶11482881**
IPEC	XI	27 12 47 29.7–.17	50.18N	19.04E	0	2.1L		
CSEM	XI	27 12 47 30.0–.27	50.12N	19.03E	2	2.8L		
PRU	XI	27 12 47 30.4	50.17N	19.02E	0	2.8L		

ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=6.7km s-min=2.9km az=4.6.
IPEC Event type ki. Error ellipse: s-maj=2.7km s-min=1.1km az=167.0.
CSEM Event type ki. Error ellipse: s-maj=7.8km s-min=3.1km az=1.0.
PRU Event type ki.

(548) Poland

ISC	**XI**	**27 17 07 09.7–.40**	**50.31N–.03**	**19.19E–.03**	**0**		**103**	**0-20**
IPEC	XI	27 17 07 09.5–.22	50.37N	19.21E	0	2.5L		**¶11482885**
ISCJB	XI	27 17 07 09.5–.45	50.28N–.03	19.15E–.03	0	2.5L		
CSEM	XI	27 17 07 10.4–.30	50.28N	19.14E	2	3.5s,3.2L		
WAR	XI	27 17 07 10.2	50.27N	19.26E		3.5s,3.2L		
NEIC	XI	27 17 07 10.7–.66	50.53N	18.98E	5	2.6L,3.2L		
VIE	XI	27 17 07 12.1–.66	50.03N	19.15E	0–0	3.5s,2.5L		
PRU	XI	27 17 07 13.2	50.37N	19.00E	0	3.5s,2.5L		
IDC	XI	27 17 07 14.7–.83	50.62N	18.39E	0	3.4,3.2		

ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=3.1km s-min=1.3km az=174.0.
ISCJB Event type sr. Error ellipse: s-maj=4.9km s-min=2.2km az=10.0.
CSEM Event type ki. Error ellipse: s-maj=7.8km s-min=3.3km az=7.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.9km az=137.0.
VIE Event type sr. Error ellipse: s-maj=7.0km s-min=3.6km az=166.0. 26 km S of Sosnowice . Suspected Mining induced.
PRU Event type ki.
IDC Error ellipse: s-maj=19.9km s-min=7.6km az=140.0.

(545) Northern Italy

LJU	**XI**	**28 09 09 20.0**	**45.54N**	**13.82E**	**0**	**0.8L**		
CSEM	XI	28 09 09 20.2	45.54N	13.82E	0	0.8L		**¶13659201**

LJU Artificial.
CSEM Event type sm. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining explosion. After LJU.

(547) Czech and Slovak Republics

PRU	**XI**	**28 13 05 04.5**	**49.88N**	**18.44E**	**0**			
CSEM	XI	28 13 05 03.4–.34	49.87N	18.47E	1			**¶11482893**

PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=11.4km s-min=4.3km az=9.0.

(543) Germany

ISC	**XI**	**29 02 17 09.6–.35**	**51.59N–.02**	**6.79E–.02**	**0**		**264**	**0-10**
ISCJB	XI	29 02 17 09.2–.40	51.46N–.02	6.76E–.03	0			**¶11482910**
CSEM	XI	29 02 17 09.8–.23	51.59N	6.77E	1	3.5L		
LDG	XI	29 02 17 10.5–.16	51.64N	6.97E	1–0	3.7,3.3L		
BUG	XI	29 02 17 11.8	51.55N	6.91E	1	2.5L,3.3L		
BGR	XI	29 02 17 11.6–.72	51.67N	6.90E	1	3.3L,3.3L		
BNS	XI	29 02 17 12.1–1.2	51.58N	6.81E	1	2.8L,3.3L		
PRU	XI	29 02 17 13.2	51.51N	6.97E	0	2.8L,3.3L		
STR	XI	29 02 17 16.4–.26	51.34N	7.04E	10–0	3.3L,3.3L		

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=3.6km s-min=2.4km az=150.9.
CSEM Event type ki. Error ellipse: s-maj=4.4km s-min=2.8km az=163.0.
LDG Event type sr. Error ellipse: s-maj=2.7km s-min=2.4km az=26.0. Suspected Mining induced.
BUG Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=4.4km az=142.0.
BNS Event type ki.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(548) Poland

ISC	**XI**	**30 04 02 53.5–.69**	**51.49N–.04**	**16.10E–.04**	**0**		**48**	**1-4**
IPEC	XI	30 04 02 52.2–.28	51.59N	16.22E	0	2.0L		**¶11482961**
ISCJB	XI	30 04 02 53.2–.78	51.42N–.04	16.08E–.04	0	2.0L		
CSEM	XI	30 04 02 54.6–.36	51.43N	16.07E	2	3.2L		
WAR	XI	30 04 02 54.7	51.49N	16.11E		2.5L		
PRU	XI	30 04 02 55.6	51.42N	16.13E	0	2.5L		

ISC Event type kr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.5km az=36.0.
ISCJB Event type kr. Error ellipse: s-maj=6.1km s-min=3.2km az=20.9.
CSEM Event type ki. Error ellipse: s-maj=6.3km s-min=3.4km az=10.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.

(548) Poland

ISC	**XI**	**30 21 37 12.5–.40**	**51.57N–.02**	**16.12E–.03**	**0**		**96**	**1-19**
ISCJB	XI	30 21 37 11.9–.49	51.48N–.03	16.12E–.03	0			**¶11483002**
IPEC	XI	30 21 37 12.1–.23	51.62N	16.22E	0	2.3L		
CSEM	XI	30 21 37 12.7–.24	51.56N	16.11E	2	3.4L		
WAR	XI	30 21 37 14.5	51.53N	16.10E		2.7L		
IDC	XI	30 21 37 14.8–.72	51.50N	16.01E	0	3.4,3.3		
PRU	XI	30 21 37 15.3	51.46N	16.16E	0	3.4,3.3		
VIE	XI	30 21 37 16.0–.44	51.34N	16.04E	0–0	2.7L,2.4b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.8km s-min=2.4km az=12.5.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=1.5km az=74.0.
CSEM Event type ki. Error ellipse: s-maj=4.0km s-min=3.4km az=20.0.
WAR Event type kr. Mining Induced.
IDC Error ellipse: s-maj=13.9km s-min=6.9km az=110.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=4.0km s-min=2.6km az=101.0. 72 km WNW of Wroclaw . Suspected Mining induced.

(536) Sweden

HEL	**XI**	**30 23 25 01.4–1.3**	**67.90N**	**20.13E**	**0**	**1.1L**		
								¶13917208

HEL Event type kh. Error ellipse: s-maj=4.4km s-min=13.8km az=-1.0. Explosion.

(548) Poland

ISC	**XII**	**01 02 08 09.0–1.3**	**51.49N–.06**	**16.09E–.06**	**0**		**39**	**1-3**
ISCJB	XII	01 02 08 08.5–1.3	51.44N–.06	16.04E–.06	0			**¶11490832**
WAR	XII	01 02 08 09.6	51.52N	16.11E		2.2L		
PRU	XII	01 02 08 10.4	51.45N	16.07E	0	2.2L		
CSEM	XII	01 02 08 10.2–.99	51.41N	16.03E	2	3.0L		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=9.4km s-min=3.8km az=25.9.
WAR Event type kr. Mining Induced.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=16.4km s-min=7.3km az=19.0.

(547) Czech and Slovak Republics

PRU XII 01 02 44 01.9 49.84N 18.39E 0
IPEC XII 01 02 43 59.5–.18 49.85N 18.58E 2–4 1.3L ¶15119363
CSEM XII 01 02 44 00.9–.30 49.88N 18.38E 5 2.2L
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=161.0.
CSEM Event type ki. Error ellipse: s-maj=7.2km s-min=3.6km az=13.0.
(548) Poland
PRU XII 01 05 29 20.9 50.38N 18.85E 0
CSEM XII 01 05 29 19.0–.42 50.46N 18.84E 2 ¶15119359
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=8.4km s-min=3.2km az=8.0.
(543) Germany
ISC XII 01 16 38 45.5–.35 51.46N–.02 6.50E–.03 0 152 0-6
STR XII 01 16 38 43.8–1.3 51.48N 6.95E 10–0 2.7L ¶11490844
ISCJB XII 01 16 38 44.5–.35 51.43N–.02 6.47E–.04 0 2.7L
CSEM XII 01 16 38 45.6–.18 51.46N 6.48E 1 3.4L
BUG XII 01 16 38 45.9 51.48N 6.60E 1 2.6L
BGR XII 01 16 38 46.7–.63 51.48N 6.55E 1 2.9L
LDG XII 01 16 38 46.3–.10 51.51N 6.53E 1–0 3.3L,3.3
BNS XII 01 16 38 46.8–1.1 51.48N 6.56E 1 2.6L,3.3
ISC Event type sr.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISCJB Event type sr. Error ellipse: s-maj=3.7km s-min=2.3km az=30.9.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=2.8km az=120.0.
BNS Event type fi. Felt in Kamp Lint-Fort (IV) and Moers (II-IV).
BGR Event type ki. Error ellipse: s-maj=11.1km s-min=4.4km az=123.0.
LDG Event type sr. Error ellipse: s-maj=2.2km s-min=1.5km az=126.0. Suspected Mining induced.
BNS Event type ki.
(460) Wyoming
ISC XII 01 20 06 52.2–.19 43.76N–.01 105.28W–.02 0 4.0b 176 0-90
ISCJB XII 01 20 06 51.2–.20 43.77N–.01 105.28W–.02 0 4.0b ¶12075445
NEIC XII 01 20 06 51.8–.37 43.79N 105.22W 0 3.4L
IDC XII 01 20 06 52.8–.83 44.10N 105.69W 0 3.9b,3.9
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=2.2km s-min=1.8km az=3.7.
NEIC Event type fm. Error ellipse: s-maj=5.4km s-min=4.5km az=145.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.8km s-min=7.3km az=145.0.
(548) Poland
ISC XII 02 01 27 47.1–.67 50.28N–.05 18.92E–.03 0 43 1-4
ISCJB XII 02 01 27 46.2–.68 50.28N–.05 18.91E–.03 0 ¶11490851
IPEC XII 02 01 27 46.9–.21 50.29N 18.98E 0–1 1.9L
CSEM XII 02 01 27 47.2–.36 50.29N 18.93E 2 2.6L
PRU XII 02 01 27 47.8 50.30N 18.91E 0 2.6L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=7.4km s-min=2.8km az=2.9.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=1.1km az=170.0.
CSEM Event type ki. Error ellipse: s-maj=9.0km s-min=3.2km az=1.0.
PRU Event type ki.
(547) Czech and Slovak Republics
ISC XII 02 22 59 47.6–.38 49.83N–.03 18.40E–.03 0 54 0-3
ISCJB XII 02 22 59 46.7–.39 49.85N–.03 18.38E–.03 0 ¶11490879
CSEM XII 02 22 59 46.5–.27 49.86N 18.45E 2 2.5L
IPEC XII 02 22 59 46.9–.18 49.81N 18.51E 0 1.8L
PRU XII 02 22 59 48.1 49.84N 18.44E 0 1.8L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.6km s-min=2.4km az=10.6.
CSEM Event type ki. Error ellipse: s-maj=6.2km s-min=3.7km az=10.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=161.0.
PRU Event type kr. Rockburst In Region Felt In Orlova. Mining induced.
(535) Southern Norway
ISC XII 03 11 37 05.5–.10 53.04N–.02 159.51E–.02 46 5.3b,4.2s 1480 0-161
DJA XII 03 11 37 00 53.16N 160.12E 22 5.4b,4.2s ¶13401793
BJI XII 03 11 37 01.8 53.21N 159.68E 48 5.2b,5.1b
ISCJB XII 03 11 37 03.2–.10 52.99N–.02 159.59E–.02 44 5.3b,4.2s
MOS XII 03 11 37 03.9–1.1 52.95N 159.57E 51 5.5b,4.2s
NEIC XII 03 11 37 05.0–.12 52.98N 159.62E 44 5.4b,4.2s
BGS XII 03 11 37 04.1–1.5 53.03N 158.88E 33–0 5.5b,4.2s
TEH XII 03 11 37 05.0 53.12N 159.51E 41 5.5b,4.2s
KRSC XII 03 11 37 05.1–1.3 52.84N 159.95E 42–22 5.4L,4.2s
IDC XII 03 11 37 09.6–.78 53.03N 159.53E 89–6 4.9,4.9
GCMT XII 03 11 37 09.1–.20 52.86N 160.09E 59–1 5.1W,4.9
SZGRF XII 03 11 37 10.7 53.13N 159.30E 33 5.7b,4.2s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=1.6km az=172.0.
MOS Event type fe. Error ellipse: s-maj=6.5km s-min=3.4km az=93.5. Felt (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=164.0. Felt at Petropavlovsk-Kamchatskiy.
BGS Error ellipse: s-maj=220.1km s-min=731.7km az=-1.0.
KRSC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=7.5km az=142.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s60,c94; s71,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}4.45±.15 $M_{\theta\theta}$-1.60±.12; $M_{\phi\phi}$-2.86±.11; $M_{r\theta}$1.05±.10; $M_{\theta\phi}$-2.58±.09; $M_{\phi r}$1.69±.09; Best double couple: NP1:ϕ_s221.00000°,δ34.00000°,λ95.00000°. NP2:ϕ_s35.00000°,δ57.00000°,λ87.00000°. Principal axes: T 4.8600,Plg78.0000° ,Azm295.0000°; N 0.4200,Plg3.0000°,Azm37.0000°; P -5.2900,Plg11.0000°,Azm128.0000° M_o5.10000×10^{16}
SZGRF Near east coast of Kamchatka Peninsula, Russia.
(548) Poland
ISC XII 04 05 43 18.5–.66 51.49N–.03 16.10E–.03 0 64 1-4
ISCJB XII 04 05 43 17.1–.64 51.45N–.03 16.12E–.03 0 ¶12075687
CSEM XII 04 05 43 18.2–.27 51.51N 16.17E 2 3.4L
WAR XII 04 05 43 19.8 51.48N 16.11E 2.5L
PRU XII 04 05 43 20.3 51.43N 16.07E 0 2.5L
VIE XII 04 05 43 20.6–.40 51.33N 16.12E 0–0 2.8L,2.2b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=4.8km s-min=2.7km az=15.8.
CSEM Event type ki. Error ellipse: s-maj=5.2km s-min=3.6km az=55.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.5km s-min=2.4km az=170.0. 67 km WNW of Wroclaw . Suspected Mining induced.
(536) Sweden
HEL XII 04 06 28 38.5–2.5 67.92N 20.12E 0 0.8L ¶14268626
HEL Event type kh. Error ellipse: s-maj=7.8km s-min=28.0km az=-1.0. Explosion.
(547) Czech and Slovak Republics
ISC XII 04 06 54 30.5–.24 49.86N–.02 18.41E–.02 0 267 0-20
ISCJB XII 04 06 54 28.9–.28 49.87N–.02 18.29E–.02 0 ¶12075695
CSEM XII 04 06 54 29.3–.20 49.92N 18.50E 1 3.9L,3.9s
IPEC XII 04 06 54 30.2–.18 49.82N 18.59E 2–4 3.2L,3.9s
BGR XII 04 06 54 30.5–.39 49.86N 18.48E 1 3.6L,3.9s
IDC XII 04 06 54 31.6–.88 49.75N 18.55E 0 3.5,3.3
LDG XII 04 06 54 31.1–.14 49.83N 18.46E 5–0 3.6L,3.3
PRU XII 04 06 54 31.8 49.85N 18.44E 0 3.6L,3.3
VIE XII 04 06 54 32.4–.34 49.66N 18.34E 0–2 3.9s,3.1L
NEIC XII 04 06 54 32.3 49.85N 18.46E 0 3.2L,3.1L
ISC Event type fr.
ISCJB Event type fr. Error ellipse: s-maj=2.8km s-min=1.8km az=11.7.
CSEM Event type ki. Error ellipse: s-maj=4.4km s-min=3.2km az=18.0.
IPEC Event type kr. Error ellipse: s-maj=2.2km s-min=1.1km az=161.0. Mining induced.
BGR Event type ki. Error ellipse: s-maj=10.0km s-min=4.4km az=170.0.
IDC Error ellipse: s-maj=15.9km s-min=7.3km az=149.0.
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=2.1km az=12.0.
PRU Event type kr. Rockburst In Region Felt. Mining induced.
VIE Event type sr. Error ellipse: s-maj=1.7km s-min=1.6km az=68.0. 20 km SSE of Ostrava . Suspected Mining induced.
NEIC Event type fr. Rockburst. Suspected Mining induced. After PRU.
(548) Poland
ISC XII 05 06 42 26.6–.59 50.40N–.04 18.78E–.03 0 49 1-4
IPEC XII 05 06 42 25.6–.23 50.40N 18.90E 0–1 2.1L ¶12075846
ISCJB XII 05 06 42 26.2–.66 50.43N–.04 18.70E–.04 0 2.1L
PRU XII 05 06 42 27.0 50.41N 18.79E 0 2.1L
CSEM XII 05 06 42 27.5–.26 50.40N 18.68E 2 2.9L
VIE XII 05 06 42 32.1–.59 50.19N 18.48E 0–0 2.3L,1.6b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.2km az=171.0.
ISCJB Event type sr. Error ellipse: s-maj=6.2km s-min=3.3km az=16.1.
PRU Event type ki.
CSEM Event type ki. Error ellipse: s-maj=5.6km s-min=3.1km az=12.0.
VIE Event type sr. Error ellipse: s-maj=5.2km s-min=3.2km az=130.0. 37 km W of Katowice . Suspected Mining induced.
(548) Poland
ISC XII 06 16 54 12.5–.28 51.52N–.02 16.11E–.02 0 3.5b 246 1-33
ISCJB XII 06 16 54 11.2–.33 51.47N–.02 16.12E–.02 0 3.5b ¶12076043
IPEC XII 06 16 54 11.9–.22 51.58N 16.20E 0 2.7L
CSEM XII 06 16 54 12.5–.16 51.53N 16.11E 2 3.7L
NEIC XII 06 16 54 12.2–.50 51.55N 16.06E 5 3.1L
IDC XII 06 16 54 13.7–.66 51.48N 16.00E 0 3.5b,3.5
WAR XII 06 16 54 14.4 51.48N 16.10E 2.9L,3.5
BGR XII 06 16 54 14.2–.33 51.45N 16.11E 1 3.1L,3.5
PRU XII 06 16 54 14.1 51.47N 16.10E 0 3.1L,3.5
LDG XII 06 16 54 15.3–.26 51.33N 15.94E 1–0 3.4L,3.5
VIE XII 06 16 54 15.2–.44 51.29N 16.13E 0–0 3.3L,2.7b
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=3.0km s-min=1.7km az=14.7.
IPEC Event type ki. Error ellipse: s-maj=1.4km s-min=1.3km az=19.0.
CSEM Event type ki. Error ellipse: s-maj=3.5km s-min=2.3km az=14.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.9km az=138.0.
IDC Error ellipse: s-maj=10.3km s-min=6.7km az=100.0.
WAR Event type kr. Mining Induced.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=16.0.
PRU Event type ki. Felt In Harrachov.
LDG Event type sr. Error ellipse: s-maj=6.8km s-min=2.6km az=9.0. Suspected Mining induced.
VIE Event type sr. Error ellipse: s-maj=3.0km s-min=2.0km az=13.0. 65 km WNW of Wroclaw . Suspected Mining induced.
(460) Wyoming
ISC XII 06 19 11 37.1–.38 43.78N–.03 105.23W–.05 0 4.1b 74 1-90
ISCJB XII 06 19 11 35.2–.37 43.78N–.03 105.24W–.05 0 4.1b ¶12076055
NEIC XII 06 19 11 36.9–.39 43.80N 105.26W 0 3.3L
IDC XII 06 19 11 38.2–.92 44.09N 105.73W 0 3.9b,3.8
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=4.8km s-min=4.4km az=162.3.
NEIC Event type fm. Error ellipse: s-maj=5.1km s-min=4.8km az=82.0. 60 km [35 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.6km s-min=8.3km az=144.0.
(460) Wyoming
ISC XII 06 21 07 11.8–.54 43.79N–.04 105.20W–.05 0 31 1-11
ISCJB XII 06 21 07 10.4–.58 43.77N–.04 105.17W–.05 0 ¶12076067
NEIC XII 06 21 07 11.6–.50 43.74N 105.18W 0 3.0L
IDC XII 06 21 07 11.0–1.9 43.87N 105.64W 0 3.6,3.3
ISC Event type fm.
ISCJB Event type fm. Error ellipse: s-maj=6.5km s-min=5.1km az=32.1.
NEIC Event type fm. Error ellipse: s-maj=8.0km s-min=6.2km az=165.0. 65 km [40 miles] SSE of Gillette. Suspected Mining explosion.
IDC Error ellipse: s-maj=66.3km s-min=8.5km az=149.0.
(536) Sweden
HEL XII 07 00 19 03.9–.10 67.83N 20.20E 0 1.8L,0.9L
NAO XII 07 00 16 16.8–2.1 77.88N 8.45E 2.7L,0.9L ¶14268757
UPP XII 07 00 19 03.3 67.84N 20.18E 0 1.8L,0.9L
CSEM XII 07 00 19 03.2–.38 67.83N 20.21E 2 0.9L,0.9L
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
UPP Event type km. Mining explosion.
CSEM Event type km. Error ellipse: s-maj=11.6km s-min=6.1km az=131.0. Mining explosion.
(548) Poland
WAR XII 07 02 06 10.3 51.48N 16.11E 2.2L
CSEM XII 07 02 06 09.0–.45 51.49N 16.04E 2 3.1L ¶12076096
PRU XII 07 02 06 10.0 51.42N 16.13E 0 3.1L
WAR Event type kr. Mining Induced.
CSEM Event type ki. Error ellipse: s-maj=8.7km s-min=7.3km az=66.0.
PRU Event type ki.
(460) Wyoming
ISC XII 07 19 12 33.5–.35 43.72N–.03 105.12W–.05 0 3.9b 66 1-82
IDC XII 07 19 12 30.8–1.8 43.35N 105.17W 0 3.9,3.8b ¶12076239
ISCJB XII 07 19 12 31.6–.36 43.71N–.03 105.11W–.05 0 3.9b,3.8b
NEIC XII 07 19 12 33.5–.27 43.71N 105.13W 0 3.4L,3.8b
ISC Event type fm.
IDC Error ellipse: s-maj=42.7km s-min=7.6km az=153.0.
ISCJB Event type fm. Error ellipse: s-maj=5.1km s-min=4.4km az=38.7.
NEIC Event type fm. Error ellipse: s-maj=3.9km s-min=3.3km az=130.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.
(548) Poland
ISC XII 08 04 59 40.6–.72 51.53N–.04 16.11E–.04 0 45 1-4
ISCJB XII 08 04 59 38.8–.72 51.54N–.04 16.14E–.04 0 ¶12076299
CSEM XII 08 04 59 40.4–.38 51.53N 16.08E 1 3.3L
WAR XII 08 04 59 41.9 51.51N 16.11E 2.5L
PRU XII 08 04 59 42.6 51.44N 16.10E 0 2.5L
ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=5.9km s-min=3.3km az=15.4.
CSEM Event type ki. Error ellipse: s-maj=6.6km s-min=5.1km az=15.0.
WAR Event type kr. Mining Induced.
PRU Event type ki.
(543) Germany
ISC XII 08 17 21 51.3–.28 51.08N–.02 6.42E–.03 0 229 0-7
ISCJB XII 08 17 21 49.7–.31 51.06N–.02 6.30E–.03 0 ¶12076383
UCC XII 08 17 21 50.3–.94 51.13N 6.51E 0 2.4L
CSEM XII 08 17 21 51.4–.18 51.09N 6.46E 1 3.1L
BGR XII 08 17 21 52.7–.26 51.07N 6.55E 1 2.6L
LDG XII 08 17 21 52.6–.05 51.12N 6.48E 2–0 3.0L
NEIC XII 08 17 21 52.6 51.12N 6.48E 2 3.0L
BNS XII 08 17 21 53.0–1.0 51.09N 6.51E 1–3 2.2L
ISC Event type ki.
ISCJB Event type ki. Error ellipse: s-maj=3.3km s-min=2.1km az=44.3.
UCC Event type ki.
CSEM Event type ki. Error ellipse: s-maj=4.1km s-min=3.1km az=141.0.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=126.0.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=5.0.
NEIC Event type se. After LDG.
BNS Event type ki.
(536) Sweden
ISC XII 08 18 09 14.9–.41 67.07N–.02 20.99E–.08 0 70 1-8
UPP XII 08 18 09 14.8 67.09N 21.03E 0 2.3L ¶13402267
ISCJB XII 08 18 09 14.0–.47 67.08N–.02 20.99E–.10 0 2.3L
HEL XII 08 18 09 15.6–.10 67.06N 20.95E 0 2.3L,2.2L
NAO XII 08 18 09 15.5–1.2 67.08N 21.11E 2.1L,2.2L
CSEM XII 08 18 09 15.0–.19 67.09N 20.86E 2 3.3L,2.2L
IDC XII 08 18 09 15.8–.87 67.13N 20.91E 0 3.2,3.1
BER XII 08 18 09 16.8–3.2 67.04N 20.84E 0–0 2.2L,2.1L
ISC Event type km.
UPP Event type km. Mining explosion.
ISCJB Event type km. Error ellipse: s-maj=5.5km s-min=3.0km az=0.6.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=1.4km az=-1.0. Explosion.
NAO Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.
CSEM Event type km. Error ellipse: s-maj=6.4km s-min=3.1km az=106.0. Mining explosion.
IDC Error ellipse: s-maj=17.2km s-min=6.8km az=117.0.
BER Event type sh. Error ellipse: s-maj=10.2km s-min=38.0km az=-1.0. Suspected explosion.
(460) Wyoming
ISC XII 08 19 07 27.7–.18 43.67N–.01 105.28W–.02 0 187 0-61
IDC XII 08 19 07 22.0–2.6 42.92N 104.99W 0 4.0,3.8L ¶12076394
NEIC XII 08 19 07 25.9–1.3 43.46N 105.08W 0 3.1L,3.8L

ISCJB	XII	08 19 07 26.7–.18	43.68N–.01	105.31W–.02	0	3.1L,3.8L			
ISC	Event type fm.								
NEIC	Event type fm. 85 km [50 miles] WSW of Newcastle. Suspected Mining explosion.								
ISCJB	Event type fm.								
	(548) Poland								
ISC	**XII**	**09 09 34 25.5–.84**	**54.64N–.07**	**19.4E–.10**	**0**		**27**	**3-44**	
ISCJB	XII	09 09 34 23.2–.84	54.70N–.07	19.5E–.10	0				¶12076507
IDC	XII	09 09 34 27.3–1.0	54.57N	19.23E	0	3.4,3.3L			
BER	XII	09 09 34 43.6–2.8	55.97N	19.16E	0–0	2.9L,3.3L			
NAO	XII	09 09 34 45.2–5.3	56.14N	19.37E		2.9L,3.3L			
CSEM	XII	09 09 34 57.6–1.4	57.36N	19.03E	1	2.9L,3.3L			
ISC	Event type sm.								
ISCJB	Event type sm. Error ellipse: s-maj=11.5km s-min=10.3km az=16.2.								
IDC	Error ellipse: s-maj=16.5km s-min=10.1km az=58.0.								
BER	Event type sh. Error ellipse: s-maj=53.4km s-min=43.1km az=-1.0. Suspected explosion.								
NAO	Error ellipse: s-maj=0.5km s-min=0.1km az=-1.0.								
CSEM	Event type sm. Error ellipse: s-maj=46.4km s-min=13.8km az=10.0. Suspected Mining explosion.								
	(537) Baltic Sea								
ISC	**XII**	**09 09 41 25.6–1.5**	**55.87N–.10**	**19.8E–.10**	**0**		**31**	**4-14**	
IDC	XII	09 09 41 14.1–1.7	54.64N	19.38E	0	3.5,3.4			¶13402320
ISCJB	XII	09 09 41 22.8–1.6	55.9N–.10	19.8E–.10	0	3.5,3.4			
BER	XII	09 09 41 23.7–3.4	55.51N	19.52E	0–0	2.9L,3.4			
CSEM	XII	09 09 41 25.3–1.4	55.72N	19.27E	1	2.9L,3.4			
NAO	XII	09 09 41 34.1–4.0	56.35N	19.32E		2.9L,3.4			
ISC	Event type sm.								
IDC	Error ellipse: s-maj=29.5km s-min=12.2km az=46.0.								
ISCJB	Event type sm. Error ellipse: s-maj=16.4km s-min=7.5km az=26.8.								
BER	Event type sh. Error ellipse: s-maj=214.0km s-min=60.9km az=-1.0. Suspected explosion.								
CSEM	Event type sm. Error ellipse: s-maj=47.3km s-min=17.2km az=31.0. Suspected Mining explosion.								
NAO	Error ellipse: s-maj=0.4km s-min=0.1km az=-1.0.								
	(546) Austria								
ISC	**XII**	**09 12 59 35.3–.76**	**46.03N–.06**	**13.64E–.06**	**0**		**8**	**0-0**	
									¶15698493
ISC	Event type km.								
	(548) Poland								
ISC	**XII**	**09 21 43 56.9–.53**	**50.14N–.04**	**19.01E–.03**	**0**		**45**	**1-4**	
ISCJB	XII	09 21 43 55.8–.55	50.17N–.04	18.99E–.03	0				¶12076618
CSEM	XII	09 21 43 56.9–.22	50.16N	19.01E	2	2.6L			
IPEC	XII	09 21 43 56.9–.19	50.17N	19.05E	2–1	1.8L			
PRU	XII	09 21 43 57.6	50.16N	19.01E	0	1.8L			
ISC	Event type ki.								
ISCJB	Event type ki. Error ellipse: s-maj=6.4km s-min=2.6km az=7.4.								
CSEM	Event type ki. Error ellipse: s-maj=6.4km s-min=2.5km az=4.0.								
IPEC	Event type ki. Error ellipse: s-maj=2.8km s-min=1.1km az=167.0.								
PRU	Event type ki.								
	(543) Germany								
ISC	**XII**	**10 03 28 03.6–.29**	**51.47N–.02**	**6.47E–.03**	**0**		**274**	**0-7**	
ISCJB	XII	10 03 28 01.7–.31	51.43N–.02	6.32E–.03	0				¶12076662
NEIC	XII	10 03 28 01.1–4.8	51.65N	6.56E	10	3.3L			
CSEM	XII	10 03 28 03.3–.21	51.48N	6.42E	1	3.4L			
STR	XII	10 03 28 03.1–1.0	51.47N	7.21E	10–0	2.8L			
LDG	XII	10 03 28 04.1–.08	51.53N	6.57E	11–0	3.3L			
BUG	XII	10 03 28 04.5	51.50N	6.61E	1	2.6L			
BNS	XII	10 03 28 05.5–1.3	51.46N	6.58E	1–8	2.6L			
BGR	XII	10 03 28 05.8–.24	51.47N	6.63E	1	2.8L			
ISC	Event type ki.								
ISCJB	Event type ki. Error ellipse: s-maj=3.1km s-min=2.0km az=30.2.								
NEIC	Event type se. Error ellipse: s-maj=54.1km s-min=10.3km az=208.0.								
CSEM	Event type ki. Error ellipse: s-maj=4.6km s-min=3.1km az=128.0.								
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.								
LDG	Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=149.0.								
BUG	Event type ki.								
BNS	Event type ki.								
BGR	Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=113.0.								
	(724) Baltic States - Belarus - Northwestern Russia								
HEL	**XII**	**10 10 52 51.1–.40**	**60.92N**	**29.28E**	**0**	**1.3L**			
CSEM	XII	10 10 52 51.1	60.92N	29.28E	0	1.3L			¶14268881
HEL	Event type kh. Error ellipse: s-maj=2.0km s-min=4.0km az=-1.0. Explosion.								
CSEM	Event type km. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Mining explosion. After HEL.								
	(543) Germany								
ISC	**XII**	**10 10 59 00.8–.34**	**50.24N–.02**	**12.49E–.03**	**0**		**80**	**0-3**	
VIE	XII	10 10 58 57.7–.42	50.20N	12.20E	0–0	2.3L,2.3b			¶12612087
ISCJB	XII	10 10 58 59.8–.33	50.23N–.02	12.53E–.03	0	2.3L,2.3b			
CSEM	XII	10 10 59 00.5–.10	50.23N	12.49E	1	2.7L,2.3b			
BGR	XII	10 10 59 00.5–.23	50.24N	12.44E	10–2	2.2L,2.3b			
PRU	XII	10 10 59 01.3	50.22N	12.50E	0	2.2L,2.3b			
ISC	Event type sm.								
VIE	Event type sm. Error ellipse: s-maj=4.5km s-min=2.3km az=54.0. 19 km W of Klingenthal . Suspected Mining explosion.								
ISCJB	Event type sm. Error ellipse: s-maj=2.8km s-min=2.1km az=143.2.								
CSEM	Event type sm. Error ellipse: s-maj=2.0km s-min=1.4km az=72.0. Suspected Mining explosion.								
BGR	Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=105.0.								
PRU	West Bohemia Swarm.								
	(543) Germany								
ISC	**XII**	**10 12 00 05.5–3.6**	**50.25N–.08**	**12.5E–.20**	**0**		**6**	**2-3**	
VIE	XII	10 12 00 07.3–.47	50.22N	12.75E	0–0	2.5L			¶13837014
ISC	Event type sm.								
VIE	Event type sm. Error ellipse: s-maj=5.5km s-min=1.5km az=41.0. 21 km E of Klingenthal . Suspected Mining explosion.								
	(543) Germany								
ISC	**XII**	**10 12 03 36.4–.34**	**50.25N–.02**	**12.49E–.03**	**0**		**77**	**0-3**	
ISCJB	XII	10 12 03 35.4–.34	50.23N–.02	12.53E–.03	0				¶12076739
VIE	XII	10 12 03 35.5–.27	50.16N	12.37E	0–0	2.3L			
PRU	XII	10 12 03 36.5	50.24N	12.47E	0	2.3L			
CSEM	XII	10 12 03 36.3–.08	50.24N	12.49E	1	2.8L			
BGR	XII	10 12 03 36.2–.24	50.25N	12.45E	10–2	2.2L			
ISC	Event type sm.								
ISCJB	Event type sm. Error ellipse: s-maj=3.0km s-min=2.1km az=146.9.								
VIE	Event type sm. Error ellipse: s-maj=3.1km s-min=1.4km az=65.0. 10 km SW of Klingenthal . Suspected Mining explosion.								
PRU	West Bohemia Swarm.								
CSEM	Event type sm. Error ellipse: s-maj=1.6km s-min=1.2km az=69.0. Suspected Mining explosion.								
BGR	Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=106.0.								
	(536) Sweden								
ISC	**XII**	**10 21 07 06.1–.31**	**67.05N–.02**	**21.08E–.06**	**0**		**110**	**1-11**	
NAO	XII	10 21 07 05.1–.80	67.15N	20.83E		2.5L			¶13402421
HEL	XII	10 21 07 05.3	67.11N	20.75E	0	2.5L			
ISCJB	XII	10 21 07 05.2–.34	67.06N–.02	21.14E–.07	0	2.5L			
CSEM	XII	10 21 07 06.4–.16	67.07N	21.00E	2	3.8L			
UPP	XII	10 21 07 06.4	67.07N	20.89E	0	2.6L			
IDC	XII	10 21 07 07.0–.72	67.05N	21.27E	0	3.6,3.6			
BER	XII	10 21 07 08.4–3.2	67.07N	21.05E	0–0	2.6L,2.5L			
ISC	Event type km.								
NAO	Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.								
HEL	Event type kh. Explosion.								
ISCJB	Event type km. Error ellipse: s-maj=4.1km s-min=3.1km az=17.6.								
CSEM	Event type km. Error ellipse: s-maj=4.6km s-min=3.4km az=105.0. Mining explosion.								
UPP	Event type km. Mining explosion.								
IDC	Error ellipse: s-maj=13.4km s-min=5.9km az=112.0.								
BER	Event type sh. Error ellipse: s-maj=4.8km s-min=15.5km az=-1.0. Suspected explosion.								
	(548) Poland								
ISC	**XII**	**11 23 48 45.8–.46**	**54.56N–.03**	**19.27E–.07**	**0**		**73**	**2-15**	
ISCJB	XII	11 23 48 43.1–.48	54.59N–.03	19.27E–.07	0				¶12077029
NEIC	XII	11 23 48 46.6–.75	54.51N	19.16E	5				
CSEM	XII	11 23 48 46.1–.30	54.53N	19.13E	1	2.0L			
IDC	XII	11 23 48 47.0–1.0	54.45N	19.35E	0	3.2,3.1			
HEL	XII	11 23 48 49.5–.50	54.61N	19.39E	0	2.0L,3.1			
ISC	Event type km.								
ISCJB	Event type km. Error ellipse: s-maj=5.9km s-min=4.2km az=11.5.								
NEIC	Event type se. Error ellipse: s-maj=15.2km s-min=9.5km az=96.0.								
CSEM	Event type km. Error ellipse: s-maj=11.2km s-min=6.4km az=108.0. Mining explosion.								
IDC	Error ellipse: s-maj=17.1km s-min=8.8km az=98.0.								
HEL	Event type kh. Error ellipse: s-maj=3.3km s-min=5.2km az=-1.0. Explosion.								
	(548) Poland								
ISC	**XII**	**12 02 24 33.8–.58**	**51.58N–.03**	**16.12E–.04**	**0**		**57**	**1-4**	
ISCJB	XII	12 02 24 33.2–.69	51.51N–.03	16.11E–.04	0				¶12077042
CSEM	XII	12 02 24 34.2–.32	51.56N	16.08E	2	3.0L			
WAR	XII	12 02 24 35.7	51.55N	16.10E		2.4L			
PRU	XII	12 02 24 36.5	51.49N	16.05E	0	2.4L			
VIE	XII	12 02 24 37.6–.60	51.32N	16.13E	0–0	2.5L,1.8b			
ISC	Event type kr.								
ISCJB	Event type kr. Error ellipse: s-maj=5.0km s-min=3.1km az=20.5.								
CSEM	Event type ki. Error ellipse: s-maj=5.3km s-min=4.8km az=44.0.								
WAR	Event type kr. Mining Induced.								
PRU	Event type ki.								
VIE	Event type sr. Error ellipse: s-maj=3.8km s-min=3.6km az=171.0. 66 km WNW of Wroclaw . Suspected Mining induced.								
	(548) Poland								
ISC	**XII**	**12 06 13 02.1–.50**	**50.08N–.04**	**19.07E–.03**	**0**		**43**	**0-4**	
ISCJB	XII	12 06 13 00.7–.49	50.09N–.04	19.02E–.03	0				¶12077063
CSEM	XII	12 06 13 01.8–.31	50.10N	19.07E	2	2.8L			
PRU	XII	12 06 13 02.8	50.09N	19.08E	0	2.8L			
ISC	Event type ki.								
ISCJB	Event type ki. Error ellipse: s-maj=5.5km s-min=2.5km az=12.4.								
CSEM	Event type ki. Error ellipse: s-maj=7.7km s-min=3.7km az=10.0.								
PRU	Event type ki.								
	(723) Finland-Karelia border region								
ISC	**XII**	**12 10 01 44.7–.63**	**64.73N–.03**	**30.7E–.10**	**0**		**61**	**1-10**	
ISCJB	XII	12 10 01 43.5–.62	64.70N–.03	30.6E–.10	0				¶13402550
IDC	XII	12 10 01 43.3–3.1	64.80N	31.98E	0	3.1,3.1			
CSEM	XII	12 10 01 44.5–.45	64.72N	30.72E	2	2.3L,3.1			
HEL	XII	12 10 01 45.0–.40	64.69N	30.73E	0	2.3L,2.2L			
NAO	XII	12 10 01 45.4–1.9	64.67N	30.40E		2.2L,2.2L			
BER	XII	12 10 01 47.2–4.0	64.70N	30.41E	0–0	2.2L,2.2L			
ISC	Event type km.								
ISCJB	Event type km. Error ellipse: s-maj=8.5km s-min=4.8km az=3.8.								
IDC	Error ellipse: s-maj=40.3km s-min=9.6km az=98.0.								
CSEM	Event type km. Error ellipse: s-maj=15.1km s-min=7.7km az=95.0. Mining explosion.								
HEL	Event type kh. Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0. Explosion.								
NAO	Error ellipse: s-maj=0.0km s-min=0.3km az=-1.0.								
BER	Event type sh. Error ellipse: s-maj=9.3km s-min=51.0km az=-1.0. Suspected explosion.								
	(548) Poland								
ISC	**XII**	**12 16 56 29.7–.52**	**50.23N–.03**	**18.84E–.03**	**0**		**52**	**1-4**	
ISCJB	XII	12 16 56 28.1–.55	50.26N–.03	18.81E–.03	0				¶12077148
WAR	XII	12 16 56 29.7	50.24N	18.92E					
CSEM	XII	12 16 56 29.1–.23	50.27N	18.85E	1	2.8L			
PRU	XII	12 16 56 30.7	50.22N	18.84E	0	2.8L			
ISC	Event type ki.								
ISCJB	Event type ki. Error ellipse: s-maj=5.1km s-min=2.6km az=23.4.								
CSEM	Event type ki. Error ellipse: s-maj=5.1km s-min=2.6km az=15.0.								
PRU	Event type ki.								
	(548) Poland								
ISC	**XII**	**12 20 27 20.4–1.3**	**51.42N–.06**	**16.19E–.06**	**0**		**40**	**1-3**	
CSEM	XII	12 20 27 19.3–.34	51.49N	16.21E	2	3.0L			¶12077178
WAR	XII	12 20 27 21.4	51.45N	16.18E		2.3L			
PRU	XII	12 20 27 21.2	51.41N	16.19E	0	2.3L			
ISC	Event type kr.								
CSEM	Event type ki. Error ellipse: s-maj=6.4km s-min=4.8km az=61.0.								
WAR	Event type kr. Mining Induced.								
PRU	Event type ki.								
	(548) Poland								
ISC	**XII**	**12 22 45 55.7–.21**	**50.33N–.02**	**18.76E–.02**	**0**	**3.3b**	**440**	**0-92**	
ISCJB	XII	12 22 45 53.8–.22	50.36N–.02	18.68E–.02	0	3.3b			¶13402587
MOS	XII	12 22 45 54.4–1.4	50.40N	18.73E	10	3.7b			
LDG	XII	12 22 45 55.1–.14	50.37N	18.92E	2–0	3.6L			
CSEM	XII	12 22 45 55.7–.12	50.34N	18.76E	1	4.0L			
IPEC	XII	12 22 45 55.2–.46	50.37N	18.89E	4–1	3.2L			
PRU	XII	12 22 45 55.9	50.36N	18.81E	0	3.2L			
WAR	XII	12 22 45 55.7	50.35N	18.88E		3.2L			
BGR	XII	12 22 45 56.7–.34	50.36N	18.80E	1	3.7L			
IDC	XII	12 22 45 57.0–.58	50.31N	18.71E	0	3.5,3.5			
NEIC	XII	12 22 45 56.7	50.36N	18.80E	1	3.6L,3.5			
VIE	XII	12 22 46 00.4–.52	49.78N	18.81E	0–0	3.3L,2.6b			
ISC	Event type sr.								
ISCJB	Event type sr. Error ellipse: s-maj=2.5km s-min=1.6km az=12.4.								
MOS	Error ellipse: s-maj=5.5km s-min=4.4km az=87.6.								
LDG	Event type ke. Error ellipse: s-maj=4.9km s-min=1.6km az=13.0.								
CSEM	Event type ki. Error ellipse: s-maj=3.3km s-min=2.1km az=10.0.								
IPEC	Event type ki. Error ellipse: s-maj=2.6km s-min=2.5km az=57.0.								
PRU	Event type ki.								
BGR	Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=7.0.								
IDC	Error ellipse: s-maj=12.6km s-min=5.6km az=150.0.								
NEIC	Event type fe. Felt at Bytom. After SZGRF.								
VIE	Event type sr. Error ellipse: s-maj=4.4km s-min=2.9km az=12.0. 41 km E of Ostrava . Suspected Mining induced.								
	(460) Wyoming								
ISC	**XII**	**13 22 38 58.7–.44**	**43.74N–.04**	**105.15W–.05**	**0**		**34**	**1-20**	
IDC	XII	13 22 38 54.8–2.6	43.20N	105.13W	0	3.6,3.5L			¶12077348
ISCJB	XII	13 22 38 57.3–.46	43.76N–.04	105.17W–.04	0	3.6,3.5L			
NEIC	XII	13 22 38 59.0–.59	43.68N	105.22W	0	2.8L,3.5L			
ISC	Event type fm.								
IDC	Error ellipse: s-maj=52.6km s-min=8.6km az=155.0.								
ISCJB	Event type fm. Error ellipse: s-maj=6.0km s-min=4.4km az=159.5.								
NEIC	Event type fm. Error ellipse: s-maj=8.5km s-min=7.4km az=162.0. 70 km [45 miles] SSE of Gillette. Suspected Mining explosion.								
	(548) Poland								
ISC	**XII**	**15 13 46 26.6–.29**	**50.29N–.02**	**18.84E–.02**	**0**	**3.2b**	**250**	**0-62**	
ISCJB	XII	15 13 46 24.2–.31	50.34N–.02	18.78E–.02	0	3.2b			¶12077609
CSEM	XII	15 13 46 26.3–.17	50.31N	18.83E	1	3.2L			
IDC	XII	15 13 46 26.8–1.8	49.97N	19.19E	0	3.6,3.5			
WAR	XII	15 13 46 27.5	50.23N	18.92E		3.6,3.5			
IPEC	XII	15 13 46 27.3–.20	50.27N	18.86E	3–1	3.2L,3.5			
LDG	XII	15 13 46 27.2–.13	50.19N	18.94E	2–0	3.9L,3.5			
PRU	XII	15 13 46 27.7	50.29N	18.82E	0	3.9L,3.5			
BGR	XII	15 13 46 28.3–.38	50.28N	18.86E	1	3.5L,3.5			
NEIC	XII	15 13 46 28.3	50.28N	18.86E	1	3.5L,3.5			
VIE	XII	15 13 46 29.3–.74	49.66N	18.93E	2–3	3.4L,2.5b			
ISC	Event type sr.								
ISCJB	Event type sr. Error ellipse: s-maj=3.6km s-min=2.1km az=17.4.								
CSEM	Event type ki. Error ellipse: s-maj=4.6km s-min=2.7km az=13.0.								
IDC	Error ellipse: s-maj=30.1km s-min=9.3km az=132.0.								
IPEC	Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=168.0.								
LDG	Event type ke. Error ellipse: s-maj=4.3km s-min=1.7km az=13.0.								
PRU	Event type ki.								
BGR	Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=10.0.								
NEIC	Event type se. After SZGRF.								
VIE	Event type sr. Error ellipse: s-maj=5.8km s-min=3.9km az=16.0. 51 km NNE of Zilina . Suspected Mining induced.								
	(548) Poland								
ISC	**XII**	**16 02 54 29.4–.40**	**50.26N–.03**	**18.88E–.02**	**0**		**93**	**0-40**	
ISCJB	XII	16 02 54 28.6–.41	50.23N–.03	18.90E–.03	0				¶12077703
WAR	XII	16 02 54 29.5	50.24N	18.93E					
CSEM	XII	16 02 54 29.5–.21	50.25N	18.88E	2	2.7L			
IPEC	XII	16 02 54 29.3–.20	50.27N	18.89E	3–1	2.7L			
IDC	XII	16 02 54 29.4–1.6	50.07N	19.02E	0	3.5s,3.5			
PRU	XII	16 02 54 30.2	50.29N	18.83E	0	3.5s,3.5			
VIE	XII	16 02 54 31.4–1.1	49.70N	18.96E	0–0	2.9L,2.0b			

ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.6km s-min=2.2km az=13.5.
CSEM Event type ki. Error ellipse: s-maj=5.5km s-min=2.5km az=5.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=169.0.
IDC Error ellipse: s-maj=28.8km s-min=11.2km az=142.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=6.7km s-min=5.3km az=111.0. 53 km ESE of Ostrava . Suspected Mining induced.

(543) Germany

ISC	**XII**	**16 12 00 13.8–2.3**	**50.26N–.07**	**12.5E–.20**	**0**		**10**	**2-3**
VIE	XII	16 12 00 15.7–.32	50.21N	12.74E	0–2	2.5L		¶13837097
ISC	Event type sm.							
VIE	Event type sm. Error ellipse: s-maj=3.9km s-min=1.0km az=43.0. 20 km E of Klingenthal . Suspected Mining explosion.							

(548) Poland

ISC	**XII**	**16 16 41 57.9–.85**	**51.48N–.04**	**16.09E–.04**	**0**		**42**	**1-4**
ISCJB	XII	16 16 41 57.2–.83	51.42N–.04	16.07E–.04	0			¶13402943
CSEM	XII	16 16 41 58.2–.50	51.48N	16.13E	1	2.5L		
PRU	XII	16 16 41 59.1	51.45N	16.07E	0	2.5L		
WAR	XII	16 16 41 59.0	51.49N	16.10E		2.4L		
VIE	XII	16 16 41 59.9–.54	51.33N	16.09E	0–0	2.5L,2.2b		
ISC	Event type kr.							
ISCJB	Event type kr. Error ellipse: s-maj=6.0km s-min=3.3km az=12.4.							
CSEM	Event type sr. Error ellipse: s-maj=9.1km s-min=6.2km az=156.0. Suspected Mining induced.							
PRU	Event type ki.							
WAR	Event type kr. Mining Induced.							
VIE	Event type sr. Error ellipse: s-maj=3.4km s-min=3.2km az=170.0. 69 km WNW of Wroclaw . Suspected Mining induced.							

(548) Poland

ISC	**XII**	**17 04 54 04.5–.27**	**51.49N–.02**	**16.18E–.02**	**0**		**163**	**1-39**
ISCJB	XII	17 04 54 02.6–.28	51.51N–.02	16.20E–.03	0			¶12077862
CSEM	XII	17 04 54 04.6–.12	51.50N	16.16E	2	3.6L		
NEIC	XII	17 04 54 04.7–.39	51.53N	16.24E	5	3.7b		
IPEC	XII	17 04 54 05.5–.26	51.48N	16.21E	8–1	2.5L		
PRU	XII	17 04 54 06.4	51.41N	16.15E	0	3.7		
WAR	XII	17 04 54 06	51.47N	16.15E		3.1L		
IDC	XII	17 04 54 06.3–.67	51.41N	16.11E	0	3.6,3.5		
VIE	XII	17 04 54 07.6–.49	51.26N	16.14E	0–0	3.0L,2.6b		
UPP	XII	17 04 54 08.6	51.68N	15.68E	0	2.1L,2.6b		
ISC	Event type kr.							
ISCJB	Event type kr. Error ellipse: s-maj=2.7km s-min=2.2km az=26.1.							
CSEM	Event type ki. Error ellipse: s-maj=2.9km s-min=2.6km az=73.0.							
NEIC	Event type se. Error ellipse: s-maj=6.5km s-min=5.6km az=86.0.							
IPEC	Event type ki. Error ellipse: s-maj=1.6km s-min=0.7km az=31.0.							
PRU	Event type ki. Felt In Harrachov.							
WAR	Event type kr. Mining Induced.							
IDC	Error ellipse: s-maj=12.7km s-min=6.8km az=103.0.							
VIE	Event type sr. Error ellipse: s-maj=3.3km s-min=3.1km az=100.0. 63 km WNW of Wroclaw . Suspected Mining induced.							
UPP	Event type sm. Suspected Mining explosion.							

(543) Germany

ISC	**XII**	**17 11 59 57.9–4.5**	**50.30N–.08**	**12.5E–.30**	**0**		**5**	**3-3**
VIE	XII	17 12 00 00.3–.21	50.25N	12.76E	0–0	2.5L		¶13837115
ISC	Event type sm.							
VIE	Event type sm. Error ellipse: s-maj=2.2km s-min=0.7km az=40.0. 22 km E of Klingenthal . Suspected Mining explosion.							

(547) Czech and Slovak Republics

ISC	**XII**	**18 03 03 02.1–.47**	**49.83N–.03**	**18.51E–.03**	**0**		**42**	**0-4**
ISCJB	XII	18 03 03 00.9–.47	49.84N–.03	18.49E–.03	0			¶11517192
CSEM	XII	18 03 03 01.8–.17	49.82N	18.53E	1	2.8L		
PRU	XII	18 03 03 02.4	49.83N	18.52E	0	2.8L		
IPEC	XII	18 03 03 02.2–.18	49.82N	18.59E	4–4	1.6L		
ISC	Event type ki.							
ISCJB	Event type ki. Error ellipse: s-maj=4.8km s-min=2.7km az=14.1.							
CSEM	Event type ki. Error ellipse: s-maj=4.2km s-min=2.2km az=5.0.							
PRU	Event type ki.							
IPEC	Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=161.0.							

(548) Poland

ISC	**XII**	**18 07 48 19.9–.79**	**51.46N–.04**	**16.11E–.04**	**0**		**53**	**1-3**
ISCJB	XII	18 07 48 18.5–.77	51.44N–.04	16.12E–.04	0			¶11517195
WAR	XII	18 07 48 20.6	51.50N	16.13E		2.4L		
CSEM	XII	18 07 48 20.0–.49	51.45N	16.11E	2	3.3L		
PRU	XII	18 07 48 21.1	51.43N	16.10E	0	3.3L		
ISC	Event type kr.							
ISCJB	Event type kr. Error ellipse: s-maj=5.9km s-min=2.9km az=13.6.							
WAR	Event type kr. Mining Induced.							
CSEM	Event type ki. Error ellipse: s-maj=8.4km s-min=4.3km az=7.0.							
PRU	Event type ki.							

(724) Baltic States - Belarus - Northwestern Russia

ISC	**XII**	**19 11 44 49.3–1.1**	**67.69N–.04**	**33.9E–.20**	**0**		**51**	**0-12**
ISCJB	XII	19 11 44 48.3–1.3	67.74N–.05	33.8E–.20	0			¶13403308
CSEM	XII	19 11 44 48.5–.48	67.68N	33.99E	1	2.5L		
HEL	XII	19 11 44 49.4–.30	67.68N	33.93E	0	2.5L,2.3L		
NAO	XII	19 11 44 49.5–1.3	67.57N	33.84E		2.5L,2.3L		
IDC	XII	19 11 44 51.2–1.8	67.67N	33.69E	0	3.8,3.8		
ISC	Event type km.							
ISCJB	Event type km. Error ellipse: s-maj=9.9km s-min=6.5km az=11.5.							
CSEM	Event type km. Error ellipse: s-maj=9.6km s-min=6.6km az=99.0. Mining explosion.							
HEL	Event type kh. Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0. Explosion.							
NAO	Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.							
IDC	Error ellipse: s-maj=21.2km s-min=9.6km az=83.0.							

(548) Poland

ISC	**XII**	**19 17 38 05.2–.46**	**50.12N–.03**	**19.16E–.03**	**0**		**61**	**0-4**
ISCJB	XII	19 17 38 04.1–.47	50.13N–.03	19.15E–.03	0			¶11517216
WAR	XII	19 17 38 05.2	50.10N	19.22E				
CSEM	XII	19 17 38 05.2–.23	50.13N	19.15E	0–2	2.8L		
IPEC	XII	19 17 38 05.0–.18	50.22N	19.16E	0	2.0L		
PRU	XII	19 17 38 05.9	50.14N	19.13E	0	2.0L		
ISC	Event type ki.							
ISCJB	Event type ki. Error ellipse: s-maj=4.8km s-min=2.5km az=14.2.							
CSEM	Event type ki. Error ellipse: s-maj=5.4km s-min=2.7km az=6.0.							
IPEC	Event type ki. Error ellipse: s-maj=2.9km s-min=1.1km az=169.0.							
PRU	Event type ki.							

(456) Montana

ISC	**XII**	**19 18 29 03.4–.17**	**45.05N–.01**	**106.77W–.02**	**0**		**143**	**0-18**
ISCJB	XII	19 18 29 02.6–.17	45.04N–.01	106.79W–.02	0			¶12078236
IDC	XII	19 18 29 02.3–1.1	45.11N	107.07W	0	3.7,3.4		
NEIC	XII	19 18 29 03.0–.49	45.10N	106.71W	0	3.1L,3.4		
ISC	Event type fm.							
ISCJB	Event type fm. Error ellipse: s-maj=1.9km s-min=1.8km az=32.0.							
IDC	Error ellipse: s-maj=35.0km s-min=7.8km az=131.0.							
NEIC	Event type fm. Error ellipse: s-maj=6.5km s-min=5.6km az=58.0. 40 km [25 miles] NNE of Sheridan. Suspected Mining explosion.							

(548) Poland

ISC	**XII**	**19 20 23 27.7–1.0**	**51.47N–.05**	**16.10E–.04**	**0**		**39**	**1-3**
ISCJB	XII	19 20 23 26.3–1.0	51.45N–.05	16.12E–.04	0			¶11517217
CSEM	XII	19 20 23 27.7–.57	51.47N	16.06E	2	3.2L		
PRU	XII	19 20 23 28.8	51.44N	16.09E	0	3.2L		
WAR	XII	19 20 23 28.0	51.52N	16.11E		2.3L		
ISC	Event type kr.							
ISCJB	Event type kr. Error ellipse: s-maj=7.8km s-min=3.4km az=3.6.							
CSEM	Event type ki.							
PRU	Event type ki. Felt In Harrachov.							
WAR	Event type kr. Mining Induced.							

(548) Poland

ISC	**XII**	**19 22 08 08.1–.66**	**51.53N–.03**	**16.13E–.04**	**0**		**68**	**1-4**
ISCJB	XII	19 22 08 07.9–.75	51.44N–.04	16.14E–.03	0			¶11517223
CSEM	XII	19 22 08 08.1–.27	51.54N	16.11E	2	3.4L		
WAR	XII	19 22 08 09.5	51.55N	16.13E		2.5L		
PRU	XII	19 22 08 10.0	51.46N	16.10E	0	2.5L		
VIE	XII	19 22 08 10.9–.44	51.33N	16.05E	0–0	2.8L,2.2b		

ISC Event type kr.
ISCJB Event type kr. Error ellipse: s-maj=5.6km s-min=2.9km az=5.1.
CSEM Event type ki. Error ellipse: s-maj=4.7km s-min=3.8km az=11.0.
WAR Event type kr. Mining Induced.
PRU Event type ki. Felt In Harrachov.
VIE Event type sr. Error ellipse: s-maj=2.8km s-min=2.3km az=0.0. 71 km WNW of Wroclaw . Suspected Mining induced.

(460) Wyoming

ISC	**XII**	**20 18 05 12.2–.45**	**43.54N–.04**	**105.17W–.05**	**0**		**43**	**1-20**
IDC	XII	20 18 05 07.4–2.8	43.00N	105.14W	0	3.5,3.3L		¶12078366
ISCJB	XII	20 18 05 11.1–.45	43.55N–.04	105.23W–.05	0	3.5,3.3L		
NEIC	XII	20 18 05 11.2–.93	43.46N	105.05W	0	3.1L,3.3L		
ISC	Event type fm.							
IDC	Error ellipse: s-maj=53.1km s-min=8.8km az=157.0.							
ISCJB	Event type fm. Error ellipse: s-maj=6.6km s-min=5.2km az=156.5.							
NEIC	Event type fm. Error ellipse: s-maj=12.2km s-min=8.3km az=118.0. 80 km [50 miles] WSW of Newcastle. Suspected Mining explosion.							

(642) Norwegian Sea

ISC	**XII**	**20 19 21 21.4–.60**	**71.26N–.04**	**13.7E–.10**	**0**		**149**	**2-11**
ISCJB	XII	20 19 21 18.4–.58	71.29N–.04	13.6E–.10	0			¶13403512
CSEM	XII	20 19 21 19.6–.18	71.31N	12.89E	1	3.3L		
NAO	XII	20 19 21 21.1–1.1	71.40N	13.72E		2.5L		
IDC	XII	20 19 21 21.0–1.2	71.27N	13.32E	0	3.6,3.6		
NEIC	XII	20 19 21 23.9	71.33N	13.14E	20	2.9,3.6		
HEL	XII	20 19 21 23.3–.50	71.20N	13.41E	10	3.3L,2.9		
BER	XII	20 19 21 24.0–4.5	71.33N	13.14E	21–29	2.9,2.5L		
UPP	XII	20 19 21 37.6	70.34N	15.24E	0	2.6L,2.5L		
ISC	Event type sm.							
ISCJB	Event type sm. Error ellipse: s-maj=6.2km s-min=5.4km az=44.5.							
CSEM	Event type sm. Error ellipse: s-maj=5.6km s-min=3.2km az=82.0. Suspected Mining explosion.							
NAO	Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.							
IDC	Error ellipse: s-maj=17.5km s-min=12.6km az=77.0.							
NEIC	Event type se. After BER.							
HEL	Error ellipse: s-maj=3.5km s-min=3.6km az=-1.0.							
BER	Error ellipse: s-maj=8.7km s-min=44.9km az=-1.0.							
UPP	Event type sm. Suspected Mining explosion.							

(548) Poland

WAR	**XII**	**20 19 25 05.0**	**50.09N**	**18.44E**				
CSEM	XII	20 19 25 01.7–.42	50.19N	18.61E	1			¶11517238
PRU	XII	20 19 25 06.3	50.11N	18.34E	0			
CSEM	Event type ki. Error ellipse: s-maj=10.6km s-min=6.3km az=140.0.							
PRU	Event type ki.							

(548) Poland

ISC	**XII**	**20 19 52 26.5–.61**	**50.32N–.04**	**18.81E–.03**	**0**		**48**	**1-4**
ISCJB	XII	20 19 52 25.5–.62	50.33N–.04	18.82E–.03	0			¶11517239
CSEM	XII	20 19 52 26.5–.32	50.33N	18.82E	2	2.8L		
IPEC	XII	20 19 52 26.2–.21	50.35N	18.87E	0	1.7L		
WAR	XII	20 19 52 26.2	50.35N	18.88E		1.7L		
PRU	XII	20 19 52 27.2	50.33N	18.78E	0	1.7L		
ISC	Event type ki.							
ISCJB	Event type ki. Error ellipse: s-maj=6.1km s-min=2.8km az=12.9.							
CSEM	Event type ki. Error ellipse: s-maj=7.6km s-min=3.3km az=6.0.							
IPEC	Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=170.0.							
PRU	Event type ki.							

(548) Poland

ISC	**XII**	**21 19 53 48.9–.99**	**51.53N–.04**	**16.14E–.05**	**0**		**46**	**1-4**
ISCJB	XII	21 19 53 49.1–.94	51.43N–.04	16.09E–.05	0			¶11517299
CSEM	XII	21 19 53 49.4–.60	51.51N	16.09E	2	3.1L		
WAR	XII	21 19 53 50.7	51.51N	16.11E		2.3L		
PRU	XII	21 19 53 50.0	51.50N	16.13E	0	2.3L		
VIE	XII	21 19 53 52.0–.49	51.32N	16.11E	0–0	2.3L,1.7b		
ISC	Event type kr.							
ISCJB	Event type kr. Error ellipse: s-maj=6.5km s-min=3.4km az=27.5.							
CSEM	Event type ki. Error ellipse: s-maj=9.2km s-min=5.1km az=16.0.							
WAR	Event type kr. Mining Induced.							
PRU	Event type ki.							
VIE	Event type sr. Error ellipse: s-maj=3.5km s-min=3.0km az=70.0. 67 km WNW of Wroclaw . Suspected Mining induced.							

(536) Sweden

ISC	**XII**	**22 18 03 17.9–.43**	**67.06N–.03**	**21.12E–.09**	**0**		**62**	**1-8**
ISCJB	XII	22 18 03 16.5–.45	67.03N–.03	21.17E–.09	0			¶13403660
CSEM	XII	22 18 03 18.1–.19	67.07N	21.09E	2	2.1L		
HEL	XII	22 18 03 18.3–.00	67.09N	20.97E	0	2.1L,2.0L		
NAO	XII	22 18 03 18.3–1.1	67.07N	21.24E		2.0L,2.0L		
IDC	XII	22 18 03 18.0–.93	67.03N	21.14E	0	3.1,3.1		
BER	XII	22 18 03 20.0–3.6	67.10N	20.81E	0–0	2.0L,1.8L		
ISC	Event type km.							
ISCJB	Event type km. Error ellipse: s-maj=4.8km s-min=3.7km az=10.9.							
CSEM	Event type km. Error ellipse: s-maj=6.0km s-min=3.9km az=101.0. Mining explosion.							
HEL	Event type kh. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Explosion.							
NAO	Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.							
IDC	Error ellipse: s-maj=18.6km s-min=8.2km az=113.0.							
BER	Event type sh. Error ellipse: s-maj=7.9km s-min=21.4km az=-1.0. Suspected explosion.							

(460) Wyoming

ISC	**XII**	**22 23 24 48.9–.20**	**44.49N–.01**	**105.54W–.02**	**0**		**133**	**0-11**
ISCJB	XII	22 23 24 48.5–.20	44.48N–.01	105.53W–.02	0			¶12078605
NEIC	XII	22 23 24 49.7–.57	44.50N	105.44W	0	2.8L		
ISC	Event type fm.							
ISCJB	Event type fm. Error ellipse: s-maj=2.0km s-min=1.6km az=0.6.							
NEIC	Event type fm. Error ellipse: s-maj=8.4km s-min=6.4km az=209.0. 25 km [15 miles] NNE of Gillette. Suspected Mining explosion.							

(548) Poland

PRU	**XII**	**24 00 43 36.6**	**51.51N**	**16.17E**	**0**			
CSEM	XII	24 00 43 36.9–.88	51.46N	16.15E	2	3.0L		¶11519091
WAR	XII	24 00 43 37.4	51.51N	16.12E		2.3L		
PRU	Event type ki.							
CSEM	Event type ki. Error ellipse: s-maj=15.0km s-min=9.0km az=25.0.							
WAR	Event type kr. Mining Induced.							

(543) Germany

UCC	**XII**	**24 00 56 55.9–.47**	**51.06N**	**6.47E**	**7–4**	**1.2L**		
CSEM	XII	24 00 56 54.9–.62	50.96N	6.58E	1	2.1L		¶11593884
LDG	XII	24 00 56 55.5–.11	51.09N	6.51E	1–0	2.1L		
UCC	Event type ki.							
CSEM	Event type ki. Error ellipse: s-maj=11.8km s-min=7.6km az=6.0.							
LDG	Event type sr. Error ellipse: s-maj=2.2km s-min=1.4km az=16.0. Suspected Mining induced.							

(543) Germany

ISC	**XII**	**25 13 53 17.2–.23**	**51.45N–.01**	**6.51E–.02**	**0**		**318**	**0-8**
ISCJB	XII	25 13 53 15.3–.25	51.40N–.01	6.35E–.03	0			¶11519129
NEIC	XII	25 13 53 17.6	51.52N	6.68E	1	3.2L		
BUG	XII	25 13 53 17.9	51.50N	6.59E	1	2.6L		
STR	XII	25 13 53 17.3–1.9	51.43N	7.11E	10–0	2.7L		
LDG	XII	25 13 53 17.6–.10	51.52N	6.68E	1–0	3.2L		
CSEM	XII	25 13 53 17.4–.16	51.46N	6.51E	1	3.3L		
BNS	XII	25 13 53 19.3–.91	51.47N	6.58E	1	2.7L		
BGR	XII	25 13 53 19.2–.24	51.47N	6.61E	1	2.8L		
PRU	XII	25 13 53 19.1	51.35N	6.61E	0	2.8L		
ISC	Event type sr.							
ISCJB	Event type sr. Error ellipse: s-maj=2.6km s-min=1.9km az=31.5.							
NEIC	Event type se. After LDG.							
BUG	Event type ki.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
LDG	Event type sr. Error ellipse: s-maj=2.0km s-min=1.6km az=158.0. Suspected Mining induced.							
CSEM	Event type ki. Error ellipse: s-maj=3.3km s-min=3.1km az=102.0.							
BNS	Event type ki.							
BGR	Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=116.0.							

(548) Poland

ISC	**XII**	**27 16 05 35.0–.82**	**51.50N–.04**	**16.08E–.04**	**0**		**48**	**1-3**
ISCJB	XII	27 16 05 34.1–.81	51.47N–.04	16.06E–.04	0			¶11523426
CSEM	XII	27 16 05 34.3–.39	51.55N	16.05E	2	3.5L		
WAR	XII	27 16 05 35.7	51.53N	16.10E		2.4L		

PRU	XII	27 16 05 35.8	51.48N	16.11E	0	2.4L		
ISC	Event type kr.							
ISCJB	Event type kr. Error ellipse: s-maj=6.3km s-min=3.5km az=15.7.							
CSEM	Event type ki. Error ellipse: s-maj=7.0km s-min=6.2km az=67.0.							
WAR	Event type kr. Mining Induced.							
PRU	Event type ki.							
	(548) Poland							
ISC	**XII**	**27 18 07 51.0–.34**	**51.55N–.02**	**16.18E–.02**	**0**		**175**	**1-60**
ISCJB	XII	27 18 07 49.7–.38	51.51N–.02	16.20E–.02	0			**¶11523427**
NEIC	XII	27 18 07 51.3–.48	51.60N	16.19E	5	3.1L		
CSEM	XII	27 18 07 51.1–.16	51.55N	16.19E	2	3.8L		
WAR	XII	27 18 07 52.7	51.53N	16.17E		2.9L		
PRU	XII	27 18 07 52.3	51.51N	16.18E	0	2.9L		
IDC	XII	27 18 07 52.4–.68	51.51N	16.05E	0	3.4,3.3		
BGR	XII	27 18 07 53.3–.45	51.49N	16.14E	1	3.1L,3.3		
ISC	Event type kr.							
ISCJB	Event type kr. Error ellipse: s-maj=3.5km s-min=1.9km az=16.4.							
NEIC	Event type se. Error ellipse: s-maj=7.8km s-min=6.9km az=100.0.							
CSEM	Event type ki. Error ellipse: s-maj=3.6km s-min=2.6km az=16.0.							
WAR	Event type kr. Mining Induced.							
PRU	Event type ki. Felt In Harrachov.							
IDC	Error ellipse: s-maj=13.1km s-min=6.7km az=103.0.							
BGR	Event type ki. Error ellipse: s-maj=7.8km s-min=3.3km az=11.0.							
	(547) Czech and Slovak Republics							
PRU	**XII**	**28 07 15 55.3**	**49.82N**	**18.56E**	**0**			
CSEM	XII	28 07 15 54.7–.99	49.85N	18.57E	1			**¶11523437**
PRU	Event type ki.							
CSEM	Event type ki. Error ellipse: s-maj=15.1km s-min=8.3km az=96.0.							
	(547) Czech and Slovak Republics							
ISC	**XII**	**29 00 24 24.5–.37**	**49.82N–.03**	**18.44E–.03**	**0**		**56**	**0-3**
ISCJB	XII	29 00 24 23.6–.38	49.83N–.03	18.41E–.03	0			**¶11526697**
CSEM	XII	29 00 24 24.0–.19	49.84N	18.47E	1	2.5L		
IPEC	XII	29 00 24 24.1–.18	49.85N	18.53E	1–3	1.9L		
PRU	XII	29 00 24 24.9	49.88N	18.46E	0	1.9L		
ISC	Event type ki.							
ISCJB	Event type ki. Error ellipse: s-maj=4.1km s-min=2.4km az=16.2.							
CSEM	Event type ki. Error ellipse: s-maj=4.9km s-min=2.6km az=8.0.							
IPEC	Event type ki. Error ellipse: s-maj=2.4km s-min=1.2km az=167.0.							
PRU	Event type ki.							
	(724) Baltic States - Belarus - Northwestern Russia							
ISC	**XII**	**30 11 04 00.7–1.0**	**67.57N–.03**	**33.9E–.10**	**0**		**51**	**0-12**
ISCJB	XII	30 11 03 59.9–1.1	67.52N–.03	33.8E–.20	0			**¶13404409**
CSEM	XII	30 11 03 59.1–.53	67.59N	34.17E	1	2.0L		
HEL	XII	30 11 04 01.0–.20	67.63N	33.99E	0	2.1L,2.0L		
NAO	XII	30 11 04 01.5–1.4	67.59N	33.85E		2.0L,2.0L		
IDC	XII	30 11 04 04.3–1.9	67.73N	33.58E	0	3.6,3.5		
ISC	Event type km.							
ISCJB	Event type km. Error ellipse: s-maj=8.7km s-min=4.7km az=175.7.							
CSEM	Event type km. Error ellipse: s-maj=11.6km s-min=6.3km az=82.0. Mining explosion.							
HEL	Event type kh. Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0. Explosion.							
NAO	Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.							
IDC	Error ellipse: s-maj=19.3km s-min=9.7km az=83.0.							
	(548) Poland							
ISC	**XII**	**30 16 53 55.9–.71**	**51.51N–.04**	**16.08E–.03**	**0**		**65**	**1-4**
ISCJB	XII	30 16 53 55.0–.69	51.44N–.04	16.11E–.03	0			**¶11526739**
CSEM	XII	30 16 53 56.0–.41	51.49N	16.07E	2	3.2L		
WAR	XII	30 16 53 57.4	51.49N	16.09E		2.5L		
PRU	XII	30 16 53 57.2	51.45N	16.11E	0	2.5L		
VIE	XII	30 16 53 58.2–.39	51.32N	16.12E	0–0	2.7L,2.3b		
ISC	Event type kr.							
ISCJB	Event type kr. Error ellipse: s-maj=5.4km s-min=2.8km az=10.4.							
CSEM	Event type ki. Error ellipse: s-maj=7.2km s-min=3.7km az=1.0.							
WAR	Event type kr. Mining Induced.							
PRU	Event type ki.							
VIE	Event type sr. Error ellipse: s-maj=2.5km s-min=2.3km az=173.0. 66 km WNW of Wroclaw . Suspected Mining induced.							
	(548) Poland							
PRU	**XII**	**31 14 21 58.6**	**50.16N**	**19.03E**	**0**			**¶11526756**
PRU	Event type ki.							
	(460) Wyoming							
ISC	**XII**	**31 18 01 44.4–.22**	**43.57N–.02**	**105.25W–.02**	**0**		**115**	**0-11**
IDC	XII	31 18 01 42.3–1.9	43.18N	105.09W	0	3.7,3.4		**¶12079682**
NEIC	XII	31 18 01 42.6–.52	43.34N	105.09W	0	3.4L,3.4		
ISCJB	XII	31 18 01 43.5–.23	43.56N–.02	105.25W–.02	0	3.4L,3.4		
ISC	Event type fm.							
NEIC	Event type fm. 70 km [45 miles] NNE of Douglas. Suspected Mining explosion.							
ISCJB	Event type fm.							

REGIONAL CATALOGUE OF EVENTS

SEISMIC REGION 1.
Alaska-Aleutian Arc.

(1) Central Alaska.

ISC	**VII**	**04 14 35 50.0–.13**	**63.39N–.02**	**150.73W–.04**	**131**	**4.6b**	**668**	**0-153**
IDC	VII	04 14 35 44.9–.66	63.36N	150.85W	82–6	4.3b,4.3		¶13388164
BJI	VII	04 14 35 46.2	63.20N	150.50W	133	4.9b,4.8b		
MOS	VII	04 14 35 46.4–.82	63.42N	150.68W	113	4.8b,4.8b		
ISCJB	VII	04 14 35 48.1–.12	63.35N–.02	150.77W–.04	129	4.6b,4.8b		
NEIC	VII	04 14 35 49.3	63.23N	150.52W	134	4.6b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=10.9km s-min=9.3km az=40.0.
MOS Error ellipse: s-maj=12.7km s-min=5.3km az=104.7.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.0km az=36.8.
NEIC Event type se. After AEIC.

ISC	**VII**	**10 06 05 31.5–.34**	**62.79N–.03**	**150.42W–.08**	**105–4**	**3.8b**	**46**	**1-67**
ISCJB	VII	10 06 05 30.2–.34	62.80N–.03	150.42W–.08	113–4	3.8b		¶11811155
IDC	VII	10 06 05 30.2–2.8	62.99N	150.67W	82–30	3.6,3.5		
NEIC	VII	10 06 05 31.8	62.84N	150.43W	101	3.5,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.9km az=174.0.
IDC Error ellipse: s-maj=24.2km s-min=22.0km az=17.0.
NEIC Event type se. After AEIC.

NEIC	**VII**	**13 00 22 58.0**	**63.66N**	**149.46W**	**10**	**3.6L,3.1L**		
								¶12951282

NEIC Event type se. After AEIC.

ISC	**VII**	**14 23 34 43.6–.22**	**63.08N–.02**	**150.90W–.06**	**125–2**	**4.0b**	**92**	**0-77**
ISCJB	VII	14 23 34 42.4–.22	63.08N–.02	150.91W–.06	131–2	3.9b		¶11811604
IDC	VII	14 23 34 43.1–2.3	63.18N	151.04W	114–23	3.7,3.6b		
NEIC	VII	14 23 34 44.0	63.08N	150.88W	125	4.1b,3.6b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.9km az=170.5.
IDC Error ellipse: s-maj=16.9km s-min=16.3km az=146.0.
NEIC Event type se. After AEIC.

ISC	**VII**	**16 10 11 59.5–.69**	**64.60N–.03**	**149.57W–.06**	**14–5**	**4.2b**	**62**	**1-69**
BJI	VII	16 10 11 57.4	64.20N	149.25W	30	5.0b,4.8b		¶11126447
ISCJB	VII	16 10 11 59.4–.64	64.62N–.03	149.56W–.07	28–5	4.2b,4.8b		
NEIC	VII	16 10 12 00.6	64.59N	149.53W	30	4.2L,3.9W		
IDC	VII	16 10 12 02.5–.86	64.82N	149.76W	25–6	3.8,3.7		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.6km az=151.1.
NEIC Event type fe. Felt [IV] at Nenana and [III] at Fairbanks. Also felt at Anderson and Palmer. After AEIC. Moment Tensor Solution. $M_0$9.90000×10^{14}
IDC Error ellipse: s-maj=15.7km s-min=13.0km az=67.0.

ISC	**VII**	**29 10 43 59.8–.34**	**63.58N–.03**	**147.37W–.07**	**10**	**3.7b**	**39**	**1-63**
ISCJB	VII	29 10 43 58.8–.34	63.57N–.03	147.36W–.07	10	3.7b		¶11812841
IDC	VII	29 10 43 58.5–1.6	63.59N	147.36W	0	4.0,3.7b		
NEIC	VII	29 10 43 59.1	63.55N	147.34W	8	3.6L,3.2L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.9km az=7.1.
IDC Error ellipse: s-maj=16.2km s-min=13.3km az=38.0.
NEIC Event type se. After AEIC.

NEIC	**VIII**	**05 13 02 00.6**	**63.09N**	**151.70W**	**11**	**3.8L,3.3L**		
								¶12099695

NEIC Event type se. After AEIC.

NEIC	**VIII**	**14 15 43 41.0**	**63.29N**	**151.09W**	**9**	**3.5L,3.1L**		
								¶12099939

NEIC Event type se. After AEIC.

ISC	**VIII**	**15 12 39 52.1–.41**	**63.37N–.03**	**149.84W–.07**	**108–4**	**3.1b**	**51**	**0-45**
IDC	VIII	15 12 39 49.9–1.6	63.26N	150.09W	79–19	3.5,3.2		¶11908250
ISCJB	VIII	15 12 39 50.9–.40	63.37N–.03	149.84W–.07	114–4	3.1b,3.2		
NEIC	VIII	15 12 39 51.8	63.36N	149.79W	111	3.0,3.2		

ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=10.7km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.6km az=147.9.
NEIC Event type se. After AEIC.

ISC	**VIII**	**15 13 58 32.8–.30**	**62.95N–.03**	**150.80W–.07**	**110–3**	**3.9b**	**60**	**1-65**
ISCJB	VIII	15 13 58 31.6–.30	62.96N–.03	150.81W–.07	117–3	3.9b		¶11908252
IDC	VIII	15 13 58 32.1–1.4	62.89N	150.76W	108–21	3.5b,3.5		
NEIC	VIII	15 13 58 33.2	62.97N	150.76W	108	3.2,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.8km az=5.2.
IDC Error ellipse: s-maj=34.1km s-min=10.0km az=113.0.
NEIC Event type se. After AEIC.

ISC	**VIII**	**16 03 53 28.0–.22**	**63.18N–.03**	**151.01W–.06**	**120–2**	**4.1b**	**234**	**0-153**
ISCJB	VIII	16 03 53 26.9–.22	63.18N–.03	151.02W–.06	126–2	4.1b		¶13391851
IDC	VIII	16 03 53 26.0–1.7	63.19N	151.23W	114–14	3.9,3.9		
NEIC	VIII	16 03 53 27.8	63.11N	150.87W	130	4.1b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=44.2.
IDC Error ellipse: s-maj=15.7km s-min=11.3km az=66.0.
NEIC Event type se. After AEIC.

ISC	**VIII**	**20 04 39 06.7–.27**	**62.19N–.02**	**150.43W–.06**	**56–2**	**4.0b**	**241**	**1-146**
ISCJB	VIII	20 04 39 05.6–.27	62.20N–.02	150.43W–.06	63–2	4.0b		¶11813386
IDC	VIII	20 04 39 06.3–.68	62.32N	150.61W	69–5	3.9,3.8		
NEIC	VIII	20 04 39 07.3	62.13N	150.39W	57	4.2L,4.0L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.3km az=160.0.
IDC Error ellipse: s-maj=16.1km s-min=11.8km az=40.0.
NEIC Event type fe. Felt at Caswell and Talkeetna. After AEIC.

NEIC	**VIII**	**21 19 47 11.5**	**63.36N**	**144.93W**	**1**	**3.0L,2.9L**		
PGC	VIII	21 19 47 14.5–11	63.36N	144.75W	10	3.0L,2.9L		¶11308690

NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. 218km Ese of Fairbanks, Ak Central Alaska.

NEIC	**VIII**	**22 04 24 25.8**	**64.64N**	**147.76W**	**19**	**3.5L,3.1L**		
								¶12100146

NEIC Event type fe. Felt [III] at North Pole and [II] at Fairbanks. After AEIC.

NEIC	**VIII**	**24 22 35 28.6**	**63.44N**	**147.41W**	**4**	**3.5L,3.2L**		
								¶12100219

NEIC Event type se. After AEIC.

ISC	**VIII**	**26 03 54 37.9–.42**	**63.28N–.03**	**150.43W–.07**	**123–4**	**3.1b**	**55**	**0-45**
ISCJB	VIII	26 03 54 36.8–.41	63.28N–.03	150.42W–.07	128–4	3.0b		¶11908831
NEIC	VIII	26 03 54 37.8	63.27N	150.45W	127	3.1		
IDC	VIII	26 03 54 37.3–2.5	63.23N	150.39W	99–22	3.3,3.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.2km az=10.7.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=43.1km s-min=19.2km az=124.0.

ISC	**VIII**	**28 23 14 18.2–.25**	**62.12N–.02**	**149.65W–.05**	**46–4**	**3.9b,3.0s**	**93**	**0-146**
ISCJB	VIII	28 23 14 17.0–.25	62.14N–.02	149.62W–.05	56–3	3.9b,3.0s		¶11909037
IDC	VIII	28 23 14 17.4–.90	62.18N	149.83W	46–8	4.0L,3.9		
NEIC	VIII	28 23 14 18.6	62.12N	149.60W	43	4.3L,4.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.3km az=160.0.
IDC Error ellipse: s-maj=15.7km s-min=11.4km az=107.0.
NEIC Event type fe. Felt [III] at Talkeetna and [II] at Anchorage. Also felt at Palmer. After AEIC.

NEIC	**IX**	**01 11 12 37.9**	**63.22N**	**150.60W**	**125**	**2.9**		
								¶12951812

NEIC Event type se. After AEIC.

ISC	**IX**	**12 19 50 39.5–.24**	**62.18N–.02**	**149.53W–.05**	**52–3**	**4.0b**	**120**	**1-146**
ISCJB	IX	12 19 50 38.4–.24	62.20N–.02	149.52W–.06	60–3	4.0b		¶11280317
IDC	IX	12 19 50 39.2–.77	62.30N	149.67W	58–6	3.9,3.7		
NEIC	IX	12 19 50 40.1	62.16N	149.43W	40	4.6b,4.0L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.8km az=3.0.
IDC Error ellipse: s-maj=12.5km s-min=10.7km az=121.0.
NEIC Event type fe. Felt at Chugiak, Palmer and Talkeetna. After AEIC.

NEIC	**IX**	**14 16 41 38.3**	**63.12N**	**143.44W**	**2**	**2.9L,2.5L**		
PGC	IX	14 16 41 42.3–9.6	63.07N	142.98W	15	2.9L,2.5L		¶11322779

NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. 207km Wsw of Dawson, Yt Central Alaska.

NEIC	**IX**	**15 03 08 42.8**	**63.13N**	**143.47W**	**8**	**2.6L**		
PGC	IX	15 03 08 44.5–7.1	63.17N	143.26W	20	3.1L		¶11322780

NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. 214km Wsw of Dawson, Yt Central Alaska.

ISC	**IX**	**24 12 19 52.8–.50**	**63.51N–.02**	**150.13W–.04**	**0–3**	**4.5b,3.9s**	**303**	**0-148**
BJI	IX	24 12 19 51.0	63.70N	150.14W	8	4.9b,4.8b		¶11302901
ISCJB	IX	24 12 19 52.2–.46	63.52N–.02	150.13W–.04	8–3	4.4b,3.9s		
NEIC	IX	24 12 19 52.9	63.44N	150.06W	7	4.6b,4.5L		
IDC	IX	24 12 19 55.7–2.2	63.60N	150.01W	18–13	4.2,4.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=4.4.
NEIC Event type fe. Felt [III] at Chugiak, Talkeetna, Wasilla and Willow; [II] at Anchorage, Eagle River, Elmendorf AFB, Fairbanks, Fort Richardson and Palmer. Also felt at Clear, Denali National Park, Girdwood, Healy, Indian and Kenai. After AEIC. Moment Tensor Solution. $M_0$2.00000×10^{15}
IDC Error ellipse: s-maj=12.8km s-min=10.2km az=77.0.

NEIC	**IX**	**24 16 01 49.2**	**63.42N**	**150.05W**	**4**	**3.5L,3.3L**		
								¶12952164

NEIC Event type se. After AEIC.

ISC	**IX**	**25 19 34 10.1–.21**	**63.96N–.02**	**149.04W–.05**	**10**	**4.2b,3.3s**	**147**	**0-154**
BJI	IX	25 19 34 05.4	63.90N	148.80W	10	4.8b,4.8b		¶11911036
ISCJB	IX	25 19 34 08.8–.21	63.91N–.02	148.99W–.05	10	4.2b,3.3s		
NEIC	IX	25 19 34 09.4	63.86N	148.81W	10	4.4b,4.4L		
IDC	IX	25 19 34 11.2–2.7	64.14N	148.93W	19–17	4.2,4.1b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=26.4.
NEIC Event type fe. Felt [IV] at Denali National Park and [III] at Fairbanks and Healy. Felt at Cantwell, Nenana and North Pole. After AEIC. Moment Tensor Solution. $M_0$1.10000×10^{15}
IDC Error ellipse: s-maj=12.2km s-min=10.7km az=81.0.

ISC	**IX**	**27 01 08 05.9–.39**	**62.25N–.02**	**150.96W–.08**	**88–5**	**3.9b**	**51**	**0-63**
ISCJB	IX	27 01 08 04.7–.39	62.25N–.02	150.95W–.08	96–5	3.9b		¶11911135
IDC	IX	27 01 08 04.3–2.4	62.28N	151.06W	70–29	3.5b,3.5		
NEIC	IX	27 01 08 07.1	62.24N	150.93W	78	3.4,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.1km az=177.7.
IDC Error ellipse: s-maj=31.7km s-min=17.4km az=110.0.
NEIC Event type se. After AEIC.

ISC	**IX**	**27 15 40 13.6–.31**	**63.54N–.03**	**146.79W–.05**	**10**	**3.4b**	**53**	**0-49**
ISCJB	IX	27 15 40 12.8–.32	63.53N–.03	146.80W–.05	10	3.4b		¶11310643
NEIC	IX	27 15 40 12.9	63.53N	146.88W	4	3.8L,3.3L		
IDC	IX	27 15 40 15.2–1.1	63.68N	146.67W	0	3.9,3.6L		
PGC	IX	27 15 40 17.2–18	63.57N	146.64W	20	3.6L,3.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=5.8.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=13.5km s-min=9.1km az=94.0.
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=1.5km az=-1.0. 150km southeast of Fairbanks, Ak Central Alaska.

NEIC	**IX**	**28 15 07 14.8**	**62.92N**	**148.62W**	**67**	**3.5L,3.1L**		
								¶12952236

NEIC Event type se. After AEIC.

NEIC	**IX**	**29 12 37 32.0**	**62.18N**	**141.57W**	**5**	**2.5L**		
PGC	IX	29 12 37 32.6–11	62.23N	141.37W	10	2.9L		¶11322362

NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 226km southwest of Dawson, Yt Central Alaska.

ISC	**X**	**12 02 46 59.2–.21**	**63.26N–.02**	**150.70W–.05**	**116–1**	**4.5b**	**378**	**0-148**
BJI	X	12 02 46 54.5	63.40N	149.99W	113	5.0b,4.7b		¶12068437
ISCJB	X	12 02 46 58.1–.21	63.27N–.02	150.70W–.05	122–1	4.5b,4.7b		
IDC	X	12 02 46 60.0–.63	63.35N	150.61W	127–5	4.2,4.1		
NEIC	X	12 02 46 59.1	63.16N	150.55W	123	4.6b,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.1km az=42.0.
IDC Error ellipse: s-maj=10.8km s-min=7.5km az=174.0.
NEIC Event type fe. Felt [III] at Hatcher Pass. Also felt at Anchorage. After AEIC.

ISC	**X**	**25 05 32 37.9–.38**	**63.01N–.03**	**150.78W–.08**	**120–4**	**3.5b**	**63**	**0-63**
IDC	X	25 05 32 35.6–1.4	63.00N	151.03W	96–16	3.6,3.5		¶11362622
ISCJB	X	25 05 32 36.8–.37	63.01N–.03	150.79W–.08	125–4	3.5b,3.5		
NEIC	X	25 05 32 39.0	63.00N	150.82W	108	3.5,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=19.6km s-min=10.3km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=27.9.
NEIC Event type se. After AEIC.

ISC	**X**	**29 11 13 47.3–.33**	**63.11N–.03**	**150.90W–.08**	**123–3**	**3.5b**	**72**	**0-77**
IDC	X	29 11 13 45.1–2.0	63.18N	151.23W	103–17	3.5,3.4b		¶12071453
ISCJB	X	29 11 13 46.1–.33	63.11N–.03	150.90W–.08	129–3	3.4b,3.4b		
NEIC	X	29 11 13 47.3	63.10N	150.90W	126	3.3,3.4b		

ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=15.3km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.4km az=21.8.
NEIC Event type se. After AEIC.

ISC	**XI**	**13 01 41 04.6–.27**	**63.11N–.02**	**150.89W–.06**	**136–2**	**3.8b**	**98**	**0-77**
ISCJB	XI	13 01 41 03.4–.27	63.12N–.02	150.91W–.07	140–2	3.8b		¶12073364
NEIC	XI	13 01 41 05.2	63.11N	150.88W	134	3.9b		
IDC	XI	13 01 41 06.8–2.5	63.41N	150.83W	141–18	3.7,3.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=17.1.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=26.4km s-min=12.8km az=47.0.

ISC	**XI**	**16 00 59 05.4–.35**	**63.08N–.03**	**150.88W–.07**	**124–3**	**3.6b**	**68**	**0-63**
IDC	XI	16 00 59 02.8–1.9	63.09N	151.35W	92–31	3.4,3.3b		¶12073692
ISCJB	XI	16 00 59 04.3–.35	63.08N–.03	150.89W–.07	130–3	3.5b,3.3b		
NEIC	XI	16 00 59 05.9	63.08N	150.84W	119	3.0,3.3b		

ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=10.9km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.3km az=16.5.
NEIC Event type se. After AEIC.

NEIC	**XI**	**16 11 18 13.8**	**65.00N**	**149.11W**	**18**	**3.9L,3.4L**		
								¶13400337

NEIC Event type fe. Felt at Fairbanks. After AEIC.

ISC	**XI**	**26 07 29 14.9–.17**	**63.22N–.02**	**151.48W–.04**	**10**	**4.4b,3.5s**	**261**	**0-153**
IDC	XI	26 07 29 12.8–.55	63.18N	151.55W	0	4.3,4.2		¶12074874
ISCJB	XI	26 07 29 13.1–.17	63.22N–.02	151.50W–.04	10	4.4b,3.5s		
BJI	XI	26 07 29 13.1	63.26N	151.67W	20	4.9b,4.6b		
NEIC	XI	26 07 29 13.4	63.13N	151.46W	10	4.7b,4.4L		

ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=8.6km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=2.3km az=28.3.
NEIC Event type se. After AEIC.

ISC	**XI**	**29 07 10 34.5–.12**	**63.15N–.02**	**149.78W–.03**	**101**	**4.7b**	**421**	**0-153**
ISCJB	XI	29 07 10 32.9–.12	63.16N–.02	149.76W–.03	99	4.7b		¶13401458
MOS	XI	29 07 10 32.5–.83	63.21N	149.81W	99	4.9b		
BJI	XI	29 07 10 32.2	63.43N	149.95W	95	5.2b,5.0b		
NEIC	XI	29 07 10 34.0	63.11N	149.58W	95	4.7b,5.0b		
IDC	XI	29 07 10 34.6–.59	63.28N	149.77W	101–5	4.3,4.3		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.1km az=28.1.
MOS Error ellipse: s-maj=11.2km s-min=5.0km az=97.9.

NEIC Event type fe. Felt [III] at Anchorage, Eagle River and Trapper Creek; [II] at Chugiak, Elmendorf AFB, Palmer, Talkeetna, Wasilla and Willow. Also felt at Cantwell, Delta Junction, Denali National Park, Girdwood, Glennallen, Healy, Indian, Kenai, Moose Pass and Sterling. After AEIC.
IDC Error ellipse: s-maj=9.9km s-min=7.8km az=143.0.
ISC XII 01 11 56 04.7–.50 63.16N–.02 151.52W–.05 7–4 3.6b 80 0-66
ISCJB XII 01 11 56 04.0–.63 63.17N–.02 151.53W–.05 9–5 3.6b **¶11484419**
NEIC XII 01 11 56 04.8 63.13N 151.48W 12 3.4L
IDC XII 01 11 56 04.7–.82 63.32N 151.60W 0 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=23.8.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=17.0km s-min=12.6km az=134.0.
ISC XII 05 10 08 16.0–.29 62.94N–.02 151.34W–.07 132–3 3.7b 91 0-67
ISCJB XII 05 10 08 14.8–.29 62.94N–.02 151.35W–.07 137–3 3.7b **¶12075872**
IDC XII 05 10 08 15.1–2.1 62.83N 151.31W 134–36 3.6,3.5b
NEIC XII 05 10 08 16.3 62.94N 151.37W 129 3.4,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.5km az=18.8.
IDC Error ellipse: s-maj=70.8km s-min=16.3km az=111.0.
NEIC Event type se. After AEIC.
ISC XII 21 15 43 44.4–.28 62.79N–.02 149.46W–.06 82–5 3.2b 88 0-63
ISCJB XII 21 15 43 43.2–.28 62.79N–.02 149.45W–.06 90–4 3.2b **¶12078474**
IDC XII 21 15 43 43.2–.81 62.80N 149.84W 78–8 3.1,3.0
NEIC XII 21 15 43 44.3 62.78N 149.49W 76 3.3,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=14.6.
IDC Error ellipse: s-maj=14.0km s-min=9.6km az=118.0.
NEIC Event type se. After AEIC.
NEIC XII 21 20 05 39.4 62.85N 143.61W 2 2.5L
PGC XII 21 20 05 38.9–3.1 62.89N 143.79W 5 3.0L **¶11517300**
NEIC Event type se. After AEIC.
PGC Event type ke. 237km northeast of Valdez, Ak Central Alaska.
ISC XII 22 10 04 53.3–.50 63.26N–.02 151.38W–.05 7–4 3.7b 87 1-62
ISCJB XII 22 10 04 52.5–.63 63.27N–.02 151.41W–.05 11–5 3.7b **¶12078541**
NEIC XII 22 10 04 53.4 63.24N 151.37W 11 4.0L,3.6L
IDC XII 22 10 04 57.9–2.3 63.45N 151.46W 34–20 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=31.9.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=20.4km s-min=12.9km az=108.0.
NEIC XII 22 12 14 53.7 63.56N 147.75W 7 3.5L,3.1L
¶13837214
NEIC Event type se. After AEIC.
ISC XII 28 07 13 10.1–.16 62.36N–.02 151.02W–.04 91–2 4.5b 275 0-152
BJI XII 28 07 13 07.0 62.40N 151.10W 89 5.3b,4.9s **¶13404216**
ISCJB XII 28 07 13 08.8–.16 62.36N–.02 151.01W–.04 98–2 4.5b,4.9s
MOS XII 28 07 13 08.4–.90 62.38N 151.19W 91 4.8b,4.9s
NEIC XII 28 07 13 10.7 62.35N 151.05W 90 4.7b,4.9s
IDC XII 28 07 13 11.0–.62 62.54N 151.18W 93–4 4.1,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=39.0.
MOS Error ellipse: s-maj=13.2km s-min=6.2km az=96.7.
NEIC Event type fe. Felt [III] at Anchorage, Eagle River, Talkeetna and Trapper Creek and [II] at Wasilla. Also felt at Big Lake, Chugiak, Elmendorf AFB, Fort Richardson, Houston, Palmer, Sutton and Willow. After AEIC.
IDC Error ellipse: s-maj=12.0km s-min=9.4km az=163.0.

(2) Southern Alaska.

NEIC VII 07 04 22 31.8 61.38N 146.81W 14 3.6L,3.5L
¶12951097
NEIC Event type se. After AEIC.
ISC VII 07 19 35 29.6–.38 59.00N–.03 152.32W–.07 77–4 3.8b 59 1-82
IDC VII 07 19 35 27.7–2.3 59.15N 152.70W 48–30 3.8,3.7L **¶11810918**
ISCJB VII 07 19 35 28.3–.38 59.02N–.03 152.34W–.07 85–4 3.8b,3.7L
NEIC VII 07 19 35 30.8 59.01N 152.36W 63 3.6L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=17.8km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.8km az=36.3.
NEIC Event type se. After AEIC.
NEIC VII 08 07 33 52.4 61.84N 150.98W 66 3.6L,3.3L
¶12951131
NEIC Event type se. After AEIC.
NEIC VII 10 17 14 36.0 61.55N 149.96W 41 3.6L,3.3L
¶11132433
NEIC Event type fe. Felt at Eagle River. After AEIC.
ISC VII 16 11 37 51.0–.30 61.70N–.03 151.96W–.07 99–3 3.8b 66 0-83
IDC VII 16 11 37 48.4–2.3 61.76N 152.30W 68–23 3.9,3.7 **¶11126450**
ISCJB VII 16 11 37 49.9–.31 61.70N–.03 151.93W–.07 107–3 3.8b,3.7
NEIC VII 16 11 37 52.1 61.70N 151.84W 98 3.8,3.7
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=14.8km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.9km az=141.6.
NEIC Event type se. After AEIC.
ISC VII 18 13 35 05.2–.46 59.10N–.04 153.96W–.08 109–7 3.8b 51 1-58
ISCJB VII 18 13 35 03.8–.47 59.11N–.04 153.98W–.08 118–6 3.8b **¶11811936**
IDC VII 18 13 35 03.9–1.5 59.20N 154.10W 93–18 3.6,3.4b
NEIC VII 18 13 35 06.2 59.05N 153.87W 118 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.3km az=25.7.
IDC Error ellipse: s-maj=22.1km s-min=13.2km az=97.0.
NEIC Event type se. After AEIC.
ISC VII 18 19 13 38.8–.42 59.71N–.04 152.28W–.10 78–7 3.8b 43 1-65
ISCJB VII 18 19 13 37.5–.42 59.73N–.04 152.28W–.10 88–6 3.8b **¶11811957**
IDC VII 18 19 13 38.2–2.4 59.73N 152.45W 70–36 4.0L,3.7
NEIC VII 18 19 13 39.9 59.71N 152.30W 63 3.6L,3.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.8km az=25.0.
IDC Error ellipse: s-maj=48.0km s-min=26.1km az=119.0.
NEIC Event type se. After AEIC.
ISC VII 26 00 40 06.0–.53 59.87N–.04 153.19W–.08 120–5 52 1-55
ISCJB VII 26 00 40 04.7–.51 59.87N–.04 153.18W–.09 128–5 **¶11812620**
IDC VII 26 00 40 05.0–2.0 59.89N 153.48W 95–33 3.6,3.4
NEIC VII 26 00 40 07.1 59.85N 153.13W 120 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.9km az=14.1.
IDC Error ellipse: s-maj=33.2km s-min=16.4km az=112.0.
NEIC Event type se. After AEIC.
NEIC VII 30 07 17 56.6 60.36N 147.56W 16 3.7L,3.4L
¶12951769
NEIC Event type se. After AEIC.
ISC VIII 01 02 50 47.1–.48 59.69N–.04 153.38W–.09 131–5 3.6b 45 0-58
ISCJB VIII 01 02 50 45.8–.47 59.69N–.04 153.38W–.09 136–5 3.6b **¶11907654**
IDC VIII 01 02 50 45.8–1.6 59.79N 153.47W 109–26 3.4b,3.4
NEIC VIII 01 02 50 48.6 59.70N 153.31W 130 3.1,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=6.3km az=23.4.
IDC Error ellipse: s-maj=35.1km s-min=12.8km az=107.0.
NEIC Event type se. After AEIC.
ISC VIII 05 19 48 10.0–.30 61.62N–.03 141.20W–.05 10 3.6b,3.0s 57 1-73
ISCJB VIII 05 19 48 08.5–.32 61.67N–.03 141.12W–.06 10 3.6b,3.0s **¶11154207**
IDC VIII 05 19 48 08.8–.77 61.67N 141.25W 0 3.8,3.7
PGC VIII 05 19 48 09.1–2.8 61.56N 141.47W 1 4.3L,3.9W
NEIC VIII 05 19 48 09.3–2.2 61.60N 141.27W 4–17 4.1L,3.9W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=43.4.
IDC Error ellipse: s-maj=14.6km s-min=9.8km az=39.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. 229km Wnw of Haines Jct., Yt Southern Alaska.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.8km az=207.0. Moment Tensor Solution. $M_0$8.40000×10^{14} Moment Tensor Solution. $M_0$8.90000×10^{14}
ISC VIII 13 02 35 17.2–.42 59.35N–.03 152.86W–.07 77–6 3.8b 61 1-68
IDC VIII 13 02 35 14.8–2.0 59.41N 153.29W 53–23 4.0L,3.7 **¶11908132**
ISCJB VIII 13 02 35 15.9–.43 59.36N–.03 152.86W–.07 86–6 3.8b,3.7
NEIC VIII 13 02 35 18.3 59.33N 152.78W 77 4.0b,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=27.4km s-min=10.5km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=5.4km az=18.0.
NEIC Event type fe. Felt at Pedro Bay. After AEIC.
ISC VIII 14 07 14 53.3–.34 61.92N–.02 150.63W–.07 59–7 3.5b 51 1-45
ISCJB VIII 14 07 14 51.9–.36 61.93N–.03 150.60W–.07 76–6 3.5b **¶11908200**
IDC VIII 14 07 14 51.8–1.3 61.73N 149.65W 0 3.8,3.5
NEIC VIII 14 07 14 53.9 61.90N 150.57W 55 3.3L,3.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.2km az=0.7.
IDC Error ellipse: s-maj=27.6km s-min=10.5km az=106.0.
NEIC Event type se. After AEIC.
ISC VIII 19 00 44 38.9–.28 61.57N–.03 150.67W–.05 70–3 4.1b 108 0-147
BJI VIII 19 00 44 35.6 61.60N 150.70W 59 4.7b,4.5s **¶11652991**
ISCJB VIII 19 00 44 37.8–.28 61.57N–.03 150.61W–.05 77–2 4.1b,4.5s
NEIC VIII 19 00 44 39.6 61.56N 150.67W 60 3.7L,4.5s
IDC VIII 19 00 44 39.3–.73 61.72N 150.82W 70–5 3.8,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=4.1km az=136.2.
NEIC Event type fe. Felt [III] at Talkeetna and [II] at Anchorage. Also felt at Wasilla and Willow. After AEIC.
IDC Error ellipse: s-maj=17.5km s-min=12.7km az=37.0.
NEIC VIII 29 05 16 07.5 61.52N 141.08W 12 3.3L,3.0L
PGC VIII 29 05 16 08.1–2.9 61.58N 141.07W 1 3.2L,3.0L **¶11302662**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. 211km Wnw of Haines Jct., Yt Southern Alaska.
NEIC IX 01 09 16 11.1 61.62N 147.73W 20 3.7L,3.4L
¶12951814
NEIC Event type fe. Felt at Anchorage. After AEIC.
ISC IX 14 16 29 59.2–.26 61.81N–.02 150.96W–.06 64–3 4.0b 85 0-152
ISCJB IX 14 16 29 57.9–.26 61.82N–.02 150.96W–.06 71–3 3.9b **¶13394336**
IDC IX 14 16 29 59.2–.66 61.94N 151.05W 66–6 3.9,3.8
NEIC IX 14 16 29 59.8 61.76N 150.95W 61 4.2L,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.9km az=6.1.
IDC Error ellipse: s-maj=11.8km s-min=8.7km az=100.0.
NEIC Event type fe. Felt [II] at Anchorage. Also felt at Wasilla. After AEIC.
ISC IX 18 19 43 52.0–.29 59.64N–.02 153.12W–.04 87–2 4.5b 613 1-163
BJI IX 18 19 43 48.0 59.50N 152.80W 90 5.0b,4.8b **¶13394626**
MOS IX 18 19 43 50.2–.78 59.61N 153.13W 89 4.6b,4.8b
ISCJB IX 18 19 43 50.4–.30 59.64N–.02 153.12W–.04 88–2 4.5b,4.8b
IDC IX 18 19 43 52.6–.47 59.65N 153.05W 99–3 4.3,4.3
NEIC IX 18 19 43 53.1 59.50N 152.79W 90 4.5b,4.3
SZGRF IX 18 19 44 00.2 60.51N 152.69W 94 4.9b,4.3
ISC Event type fe.
MOS Error ellipse: s-maj=10.8km s-min=4.3km az=84.4.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=42.5.
IDC Error ellipse: s-maj=11.6km s-min=8.0km az=22.0.
NEIC Event type fe. Felt [IV] at Homer and [II] at Seward. Felt at Anchor Point, Anchorage, Kasilof, Soldotna and Sterling. After AEIC.
SZGRF Southern Alaska, United States.
NEIC IX 21 08 45 34.1 61.58N 149.97W 35 3.6L,3.2L
¶11282358
NEIC Event type fe. Felt [III] at Palmer. Also felt at Anchorage and Chugiak. After AEIC.
ISC IX 23 22 08 27.3–.30 61.59N–.02 146.52W–.05 54–5 3.8b,3.1s 69 1-85
ISCJB IX 23 22 08 26.0–.33 61.60N–.02 146.50W–.05 61–5 3.8b,3.1s **¶11910901**
IDC IX 23 22 08 26.3–.61 61.53N 146.90W 49–6 3.8,3.6
NEIC IX 23 22 08 27.0 61.57N 146.43W 33 4.1b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.6km az=33.0.
IDC Error ellipse: s-maj=13.3km s-min=8.9km az=88.0.
NEIC Event type se. After AEIC.
ISC X 05 05 42 23.1–.31 60.09N–.03 152.52W–.06 99–3 4.3b 131 0-163
BJI X 05 05 42 19.0 60.10N 152.40W 83 4.9b,4.8s **¶13396035**
ISCJB X 05 05 42 21.9–.31 60.10N–.03 152.53W–.06 105–3 4.3b,4.8s
NEIC X 05 05 42 24.4 60.09N 152.50W 89 4.4b,4.8s
IDC X 05 05 42 25.1–.95 60.34N 152.45W 107–7 4.0,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.3km az=161.2.
NEIC Event type fe. Felt [IV] at Nikolaevsk; [III] at Anchor Point, Chugiak, Homer, Kasilof, Palmer and Soldotna; [II] at Sterling. Also felt at Ninilchik. After AEIC.
IDC Error ellipse: s-maj=13.6km s-min=12.3km az=177.0.
ISC X 06 04 50 42.0–.43 60.37N–.03 152.47W–.08 117–5 3.8b 57 0-70
ISCJB X 06 04 50 40.8–.42 60.37N–.03 152.44W–.08 125–5 3.8b **¶12066095**
NEIC X 06 04 50 43.9 60.40N 152.52W 103 3.4
IDC X 06 04 50 44.5–8.1 60.78N 152.83W 114–77 4.1L,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.0km az=20.6.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=99.0km s-min=65.3km az=125.0.
NEIC X 06 20 38 15.8 61.84N 141.37W 6 3.7L,3.4L
PGC X 06 20 38 14.9–3.3 61.88N 141.47W 1 3.4L,3.4L **¶11331082**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. 245km Wnw of Haines Jct., Yt Southern Alaska.
ISC X 07 00 57 43.1–.38 60.03N–.03 153.47W–.08 117–3 3.8b 206 1-57
ISCJB X 07 00 57 42.0–.39 60.04N–.03 153.47W–.08 123–3 3.8b **¶12066240**
IDC X 07 00 57 41.3–1.6 60.05N 153.54W 111–15 3.9,3.6
NEIC X 07 00 57 44.0 59.98N 153.25W 140 4.5b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.0km az=19.2.
IDC Error ellipse: s-maj=22.4km s-min=14.6km az=85.0.
NEIC Event type se. After AEIC.
NEIC X 07 01 55 36.6 61.81N 141.44W 1 2.6L
PGC X 07 01 55 34.9–4.8 61.86N 141.52W 5 3.0L **¶11395946**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. 246km Wnw of Haines Jct., Yt Southern Alaska.
ISC X 08 09 53 03.1–.55 60.70N–.02 143.86W–.03 15–3 5.3b,4.7s 1053 0-167
BGS X 08 09 52 56.5–1.8 60.35N 145.96W 10–0 5.7b,4.7s **¶11339743**
BJI X 08 09 53 00.0 60.79N 144.36W 7 5.2s,5.2b
MOS X 08 09 53 00.7–.85 60.73N 143.81W 11 5.6b,4.7s
IDC X 08 09 53 00.2–.36 60.65N 143.75W 0 5.2,5.2b
ISCJB X 08 09 53 01.9–.46 60.72N–.02 143.83W–.03 19–3 5.3b,4.7s
NEIC X 08 09 53 01.6 60.71N 143.72W 8 5.4b,5.4L
PGC X 08 09 53 04.7–11 60.67N 143.37W 10 5.5L,5.1W
DJA X 08 09 53 05 59.98N 145.44W 29 5.5b,5.1W
GCMT X 08 09 53 05.1–.20 60.83N 143.83W 20–1 5.2W,5.1W
SZGRF X 08 09 53 13.0 61.63N 143.60W 14 5.9b,4.4s
ISC Event type fe.
BGS Error ellipse: s-maj=284.1km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=3.2km az=94.1.
IDC Error ellipse: s-maj=10.0km s-min=7.1km az=42.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=37.4.
NEIC Event type fe. Felt [III] at Copper Center. Also felt at Anchorage, Cordova and Valdez. After AEIC. Moment Tensor Solution. $M_0$6.80000×10^{16} Moment Tensor Solution. $M_0$5.60000×10^{16}
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0. 168km east of Valdez, Ak Southern Alaska.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s58,c79; s97,c153; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.25±.21 $M_{\theta\theta}$0.80±.15; $M_{\phi\phi}$2.45±.15; $M_{r\theta}$5.29±.43; $M_{\theta\phi}$-3.78±.10; $M_{\phi r}$-0.42±.26; Best double couple: NP1:ϕ_s173.00000°,δ35.00000°,λ-29.00000°. NP2:ϕ_s287.00000°,δ74.00000°,λ-122.00000°. Principal axes: T 7.0300,Plg22.0000° ,Azm41.0000°; N 0.2300,Plg30.0000°,Azm297.0000°; P -7.2600,Plg51.0000°,Azm162.0000° $M_0$7.10000×10^{16}
SZGRF Southern Alaska, United States.
ISC X 08 16 27 33.1–.29 60.12N–.03 152.73W–.06 103–4 4.0b 90 0-148

ISCJB X 08 16 27 31.9–.29 60.13N–.03 152.72W–.06 111–4 4.0b ¶13396413
IDC X 08 16 27 32.0–1.4 60.16N 152.96W 86–16 4.0,3.8
NEIC X 08 16 27 34.6 60.12N 152.64W 104 4.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.4km az=42.5.
IDC Error ellipse: s-maj=13.7km s-min=13.0km az=93.0.
NEIC Event type se. After AEIC.
NEIC X 09 15 05 19.1 61.96N 147.93W 26 3.6L,3.2L
¶13396494
NEIC Event type se. After AEIC.
ISC X 11 01 05 15.9–.48 59.63N–.04 153.50W–.09 123–5 4.1b 57 1-62
ISCJB X 11 01 05 14.7–.48 59.63N–.04 153.49W–.10 130–5 3.9b ¶12066554
IDC X 11 01 05 14.0–1.7 59.74N 153.67W 96–28 3.8,3.7b
NEIC X 11 01 05 17.3 59.62N 153.46W 124 3.4,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=22.1.
IDC Error ellipse: s-maj=34.8km s-min=11.7km az=105.0.
NEIC Event type se. After AEIC.
NEIC X 11 12 51 41.5 61.26N 146.75W 20 3.8L,3.6L
¶13396704
NEIC Event type fe. Felt at Valdez. After AEIC.
ISC X 11 17 16 54.9–.38 61.40N–.03 150.92W–.07 70–5 4.1b 59 0-68
ISCJB X 11 17 16 53.6–.38 61.41N–.03 150.91W–.07 79–4 4.1b ¶12066598
NEIC X 11 17 16 55.9 61.43N 150.89W 62 3.4L,3.3L
IDC X 11 17 17 01.5–6.5 61.79N 150.76W 115–39 3.7b,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.7km az=162.6.
NEIC Event type fe. Felt at Anchorage. After AEIC.
IDC Error ellipse: s-maj=65.7km s-min=34.4km az=163.0.
ISC X 22 17 25 30.6–.49 59.88N–.04 152.64W–.09 89–6 4.1b 54 1-149
ISCJB X 22 17 25 29.4–.48 59.89N–.04 152.60W–.09 100–5 4.1b ¶12070816
NEIC X 22 17 25 31.9 59.91N 152.60W 82 3.5
IDC X 22 17 25 32.2–3.5 60.03N 152.61W 100–32 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=7.0km az=15.5.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=31.6km s-min=24.8km az=167.0.
ISC XI 04 13 22 39.5–.37 59.92N–.03 152.61W–.07 83–4 4.1b 73 1-150
IDC XI 04 13 22 37.7–1.3 59.98N 152.78W 64–14 4.1s,4.1 ¶12072248
ISCJB XI 04 13 22 38.3–.37 59.92N–.03 152.58W–.07 93–4 4.1b,4.1
NEIC XI 04 13 22 40.4 59.92N 152.55W 80 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=9.0km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.8km az=7.0.
NEIC Event type se. After AEIC.
ISC XI 05 14 03 10.1–.31 61.94N–.02 150.85W–.06 67–4 3.4b 77 0-68
ISCJB XI 05 14 03 08.8–.32 61.94N–.02 150.85W–.07 77–4 3.4b ¶12072412
IDC XI 05 14 03 08.7–1.4 62.00N 150.93W 50–15 3.7,3.5
NEIC XI 05 14 03 10.8 61.93N 150.85W 60 3.8L,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.8km az=1.8.
IDC Error ellipse: s-maj=22.9km s-min=9.1km az=109.0.
NEIC Event type se. After AEIC.
NEIC XI 06 18 27 24.3 61.59N 142.61W 5 3.8L,3.7W
PGC XI 06 18 27 29.5–47 61.72N 142.28W 20 3.4L,3.7W ¶12072557
NEIC Event type se. After AEIC. Moment Tensor Solution. $M_0$3.80000×10^{14}
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=-1.0. 226km east of Valdez, Ak Southern Alaska.
NEIC XI 07 07 45 18.8 61.62N 149.92W 46 3.7L,3.3L
¶11396592
NEIC Event type fe. Felt [III] at Anchorage and [II] at Chugiak, Eagle River, Palmer and Wasilla. Also felt at Willow. After AEIC.
ISC XI 07 17 07 10.0–.44 60.20N–.04 152.98W–.09 124–5 3.6b 59 0-64
ISCJB XI 07 17 07 08.9–.43 60.20N–.04 152.94W–.09 133–5 3.4b ¶12072718
IDC XI 07 17 07 10.1–.35 60.18N 152.98W 116–7 3.6s,3.6
NEIC XI 07 17 07 11.3 60.18N 152.84W 125 3.4,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.6km az=21.7.
IDC Error ellipse: s-maj=9.9km s-min=3.9km az=107.0.
NEIC Event type se. After AEIC.
ISC XI 08 07 37 13.1–.39 60.85N–.03 152.97W–.08 154–5 3.5b 72 0-57
ISCJB XI 08 07 37 12.0–.38 60.86N–.03 152.95W–.08 160–5 3.5b ¶12072794
IDC XI 08 07 37 13.9–6.7 61.01N 152.97W 140–61 3.8,3.5
NEIC XI 08 07 37 14.1 60.83N 152.91W 160 3.8,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.5km az=20.2.
IDC Error ellipse: s-maj=58.3km s-min=20.5km az=39.0.
NEIC Event type se. After AEIC.
ISC XI 09 23 36 56.8–.32 60.06N–.03 153.15W–.06 123–3 4.2b 119 0-83
IDC XI 09 23 36 54.7–1.0 60.12N 153.33W 100–11 4.1,4.0 ¶12073006
ISCJB XI 09 23 36 55.6–.33 60.09N–.03 153.16W–.06 129–3 4.1b,4.0
NEIC XI 09 23 36 57.6 60.00N 153.02W 127 5.0b,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=11.3km s-min=9.1km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.3km az=176.0.
NEIC Event type fe. Felt at Anchorage, Anchor Point, Chugiak, Eagle River, Girdwood, Homer and Palmer. After AEIC.
ISC XI 11 03 35 46.6–.70 60.25N–.03 146.62W–.04 28–6 3.7b 79 1-59
IDC XI 11 03 35 43.7–1.1 60.25N 146.42W 0 4.0,3.8b ¶12073135
ISCJB XI 11 03 35 45.7–.36 60.23N–.03 146.58W–.05 47–7 3.7b,3.8b
NEIC XI 11 03 35 47.4 60.27N 146.60W 26 3.6L,3.8b
ISC Event type fe.
IDC Error ellipse: s-maj=18.1km s-min=11.3km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.6km az=165.7.
NEIC Event type fe. Felt at Cordova and Valdez. After AEIC.
ISC XI 11 22 00 37.6–.34 60.02N–.03 152.96W–.07 117–4 3.8b 90 0-77
ISCJB XI 11 22 00 36.4–.34 60.03N–.03 152.95W–.07 124–4 3.8b ¶12073234
IDC XI 11 22 00 36.7–1.0 60.02N 152.84W 111–14 3.8,3.7
NEIC XI 11 22 00 38.9 59.99N 152.92W 120 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.4km az=38.6.
IDC Error ellipse: s-maj=16.8km s-min=9.8km az=115.0.
NEIC Event type se. After AEIC.
ISC XI 16 09 51 01.1–.43 59.29N–.04 153.00W–.09 90–7 3.7b 51 1-55
ISCJB XI 16 09 50 59.9–.43 59.30N–.04 152.99W–.09 97–6 3.7b ¶12073727
IDC XI 16 09 50 59.6–1.3 59.39N 153.13W 72–16 3.8,3.6
NEIC XI 16 09 51 02.1 59.32N 152.96W 96 3.3,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.8km az=23.2.
IDC Error ellipse: s-maj=16.4km s-min=11.5km az=109.0.
NEIC Event type se. After AEIC.
ISC XI 20 02 30 22.1–.50 60.87N–.03 152.77W–.09 133–5 3.3b 50 0-54
ISCJB XI 20 02 30 21.0–.50 60.87N–.03 152.72W–.09 141–5 3.3b ¶12074223
IDC XI 20 02 30 21.1–1.4 60.87N 152.74W 115–13 3.7,3.4
NEIC XI 20 02 30 22.4 60.88N 152.77W 148 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.3km az=16.3.
IDC Error ellipse: s-maj=23.1km s-min=10.3km az=103.0.
NEIC Event type se. After AEIC.
ISC XI 21 06 03 59.8–.37 59.76N–.04 153.81W–.07 139–4 4.0b 80 1-72
BJI XI 21 06 03 57.0 60.36N 153.58W 136 4.6b ¶11479721
ISCJB XI 21 06 03 58.6–.37 59.76N–.04 153.83W–.07 146–4 4.0b
IDC XI 21 06 03 58.6–1.3 59.78N 153.92W 126–16 3.9,3.7
NEIC XI 21 06 04 00.5 59.72N 153.78W 151 4.2,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=5.4km az=136.7.
IDC Error ellipse: s-maj=16.4km s-min=15.5km az=159.0.
NEIC Event type fe. Felt at Homer. After AEIC.
ISC XI 21 14 39 42.9–.47 59.68N–.04 153.1W–.10 109–6 3.8b 59 1-65
ISCJB XI 21 14 39 41.7–.48 59.68N–.04 153.1W–.10 118–6 3.8b ¶12074401
IDC XI 21 14 39 41.9–2.3 59.72N 153.39W 94–39 3.5b,3.5
NEIC XI 21 14 39 44.2 59.67N 153.09W 101 3.1,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.3km az=17.9.
IDC Error ellipse: s-maj=49.7km s-min=16.5km az=109.0.
NEIC Event type se. After AEIC.
ISC XI 26 16 25 42.9–.39 60.12N–.03 153.17W–.09 154–4 3.5b 69 0-64
ISCJB XI 26 16 25 42.0–.38 60.14N–.04 153.17W–.09 158–4 3.5b ¶12074916
IDC XI 26 16 25 41.9–1.2 60.14N 152.89W 143–37 3.4,3.4
NEIC XI 26 16 25 44.0 60.13N 153.17W 151 3.1,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.4km az=31.3.
IDC Error ellipse: s-maj=68.9km s-min=12.6km az=108.0.
NEIC Event type se. After AEIC.
ISC XII 09 06 29 31.6–.39 59.97N–.03 153.37W–.08 160–4 3.8b 77 0-62
IDC XII 09 06 29 29.9–1.4 60.03N 153.82W 136–20 3.5b,3.5 ¶12076483
ISCJB XII 09 06 29 30.5–.39 59.97N–.03 153.37W–.08 167–4 3.8b,3.5
NEIC XII 09 06 29 32.9 59.98N 153.42W 156 3.0,3.5
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=19.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.9km az=35.4.
NEIC Event type se. After AEIC.
ISC XII 26 02 28 54.8–.31 59.67N–.03 153.74W–.07 158–3 3.9b 95 0-57
ISCJB XII 26 02 28 53.7–.31 59.68N–.03 153.72W–.07 164–3 3.9b ¶11519267
IDC XII 26 02 28 53.3–1.4 59.80N 153.98W 126–23 3.7b,3.6
NEIC XII 26 02 28 55.7 59.67N 153.81W 159 3.4,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.6km az=35.8.
IDC Error ellipse: s-maj=28.0km s-min=12.2km az=112.0.
NEIC Event type se. After AEIC.
ISC XII 29 19 10 23.6–.27 61.90N–.02 150.65W–.05 68–4 3.9b 75 0-64
IDC XII 29 19 10 21.9–1.4 61.93N 150.86W 48–20 3.5,3.3b ¶12079436
ISCJB XII 29 19 10 22.4–.27 61.91N–.03 150.64W–.06 76–3 3.9b,3.3b
NEIC XII 29 19 10 24.5 61.91N 150.67W 60 3.5L,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=10.1km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.1km az=33.3.
NEIC Event type se. After AEIC.

(4) Komandorsky Islands region.

KRSC VII 08 16 21 39.0–.80 55.91N 164.51E 17–17 3.8L
¶12835163
KRSC Event type se.
KRSC VII 14 21 08 50.2–.90 55.58N 165.97E 22–22 3.7L
¶12835201
KRSC Event type se.
ISC VII 22 05 33 11.6–.42 54.07N–.05 168.18E–.04 40–4 4.2b,3.8s 270 2-144
MOS VII 22 05 33 08.4–1.1 54.08N 168.18E 34 4.4b,3.8s ¶13389800
ISCJB VII 22 05 33 09.2–.45 54.02N–.05 168.18E–.03 38–4 4.2b,3.8s
IDC VII 22 05 33 10.9–6.4 54.27N 168.13E 33–50 4.2L,4.1
NEIC VII 22 05 33 10.2–2.5 54.10N 168.19E 32–19 4.3b,4.1
KRSC VII 22 05 33 10.4–1.2 53.86N 167.64E 16–16 4.7L,4.1
ISC Event type se.
MOS Error ellipse: s-maj=11.5km s-min=9.7km az=165.2.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.2km az=5.3.
IDC Error ellipse: s-maj=23.6km s-min=11.9km az=165.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.9km az=171.0.
KRSC Event type se.
KRSC VII 23 16 44 10.5–.70 55.95N 164.58E 11–11 3.9L
¶12835256
KRSC Event type se.
KRSC VII 26 22 19 03.0–.80 55.87N 164.79E 19–18 3.7L
¶12835277
KRSC Event type se.
ISC VII 27 08 32 02.1–.90 53.7N–.10 168.87E–.09 35 3.3b 14 2-83
ISCJB VII 27 08 31 59.6–.84 53.8N–.10 168.88E–.09 33 3.3b ¶12698452
KRSC VII 27 08 32 01.9–1.6 53.52N 168.35E 10–10 3.8L
IDC VII 27 08 32 04.3–7.7 54.14N 168.69E 66–81 3.4,3.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=7.4km az=5.5.
KRSC Event type se.
IDC Error ellipse: s-maj=100.1km s-min=23.7km az=148.0.
KRSC VIII 13 20 57 57.0–.40 55.13N 165.51E 34–26 3.7L
¶12835355
KRSC Event type se.
KRSC VIII 18 09 32 26.5–.10 55.68N 164.75E 12–11 3.7L
¶12835366
KRSC Event type se.
ISC VIII 29 20 26 08.5–.81 55.00N–.05 165.67E–.06 19–5 3.7b 42 0-83
IDC VIII 29 20 26 05.8–1.0 55.04N 165.66E 0 3.9,3.7L ¶11909092
ISCJB VIII 29 20 26 07.3–.77 54.98N–.05 165.66E–.05 24–6 3.7b,3.7L
KRSC VIII 29 20 26 07.3–.20 54.98N 165.72E 26–16 3.9L,3.7L
MOS VIII 29 20 26 08.7–.69 54.99N 165.69E 33 4.1b,3.7L
NEIC VIII 29 20 26 10.5–.51 54.98N 165.70E 35 4.0b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=46.4km s-min=19.2km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.7km az=169.7.
KRSC Event type se.
MOS Error ellipse: s-maj=59.7km s-min=22.4km az=137.9.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=8.7km az=155.0.
KRSC VIII 30 14 13 11.3–1.7 54.81N 167.65E 10–10 3.6L
¶12835387
KRSC Event type se.
KRSC IX 08 21 31 26.6–1.4 53.25N 167.79E 21–21 4.0L
¶12835409
KRSC Event type se.
KRSC IX 09 23 25 32.2–.00 55.31N 165.03E 38–21 3.7L
¶12835414
KRSC Event type se.
ISC IX 12 23 07 50.4–.62 56.31N–.02 164.01E–.02 9–3 5.7s,5.3b 1254 1-151
ISCJB IX 12 23 07 48.4–.62 56.26N–.02 164.06E–.02 9–3 5.7s,5.3b ¶13394213
MOS IX 12 23 07 48.0–.97 56.23N 164.11E 10 5.7s,5.5b
IDC IX 12 23 07 48.8–.39 56.40N 163.93E 0 5.6,5.6s
BJI IX 12 23 07 49.8 56.75N 163.34E 5 6.2s,5.8
KRSC IX 12 23 07 50.8–.80 56.07N 164.11E 9–9 5.5L,5.8
NEIC IX 12 23 07 50.6–.12 56.31N 164.07E 12 5.9W,5.7s
GCMT IX 12 23 07 56.1–.10 56.27N 164.31E 15–0 5.9W,5.7s
DJA IX 12 23 07 58 57.22N 162.22E 10 5.4b,5.7s
SZGRF IX 12 23 07 59.7 57.34N 165.96E 33 5.9s,5.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=1.7km az=167.1.
MOS Error ellipse: s-maj=6.2km s-min=4.0km az=85.4.
IDC Error ellipse: s-maj=15.3km s-min=8.8km az=152.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.1km az=171.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s230.00000°,δ75.00000°,λ90.00000°. NP2:ϕ_s50.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm140.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm320.0000° Moment Tensor Solution. s132 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$1.21 $M_{r\theta}$-0.64 $M_{\theta\phi}$-3.96 $M_{\phi r}$-2.38 Best double couple: NP1:ϕ_s99.00000°,δ59.00000°,λ-177.00000°. NP2:ϕ_s8.00000°,δ88.00000°,λ-31.00000°. Principal axes: T 4.7000,Plg19.0000°,Azm57.0000°; N 0.2200,Plg59.0000°,Azm184.0000°; P -4.9200,Plg22.0000°,Azm319.0000° $M_0$4.80000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=121, comp=285, per= 50. Moment Tensor Solution. s109,c234; s87,c125; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01±.07 $M_{\theta\theta}$-3.00±.07; $M_{\phi\phi}$4.01±.07; $M_{r\theta}$0.74±.22; $M_{\theta\phi}$-7.85±.07; $M_{\phi r}$-1.08±.21; Best double couple: NP1:ϕ_s192.00000°,δ85.00000°,λ5.00000°. NP2:ϕ_s102.00000°,δ85.00000°,λ175.00000°. Principal axes: T 9.2700,Plg7.0000°,Azm57.0000°; N -1.1800,Plg83.0000°,Azm239.0000°; P -8.0900,Plg0.0000°,Azm147.0000° $M_0$8.70000×10^{17}
SZGRF Bering Sea.
ISC IX 12 23 28 24.8–.85 56.06N–.06 164.40E–.07 10 39 1-5

MOS IX 12 23 28 23.6–1.2 56.09N 164.33E 9 4.3b **¶12835420**
ISCJB IX 12 23 28 24.8–.81 56.01N–.06 164.33E–.07 10 4.3b
KRSC IX 12 23 28 24.3–.40 56.02N 164.28E 8–7 4.1L
ISC Event type se.
MOS Error ellipse: s-maj=24.0km s-min=21.0km az=54.5.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.3km az=28.4.
KRSC Event type se.
KRSC IX 12 23 30 24.3–.90 56.12N 164.22E 15–14 3.8L
¶12835419
KRSC Event type se.
ISC IX 12 23 49 54.4–.89 56.23N–.02 164.26E–.02 16–5 5.1s,5.0b 725 1-153
BJI IX 12 23 49 49.6 56.20N 164.30E 10 5.5s,5.5b **¶13394216**
IDC IX 12 23 49 51.6–.44 56.34N 164.26E 0 5.0,4.9s
ISCJB IX 12 23 49 52.8–.69 56.19N–.03 164.32E–.02 19–5 5.1s,5.0b
NEIC IX 12 23 49 53.0–.14 56.25N 164.30E 10 5.1b,5.0b
MOS IX 12 23 49 54.0–1.0 56.15N 164.33E 32 5.1s,5.0b
KRSC IX 12 23 49 54.5–.30 56.05N 164.29E 40–40 5.4L,5.0b
GCMT IX 12 23 49 56.2–.10 56.26N 164.52E 12–0 5.4W,5.0b
SZGRF IX 12 23 50 06.9 57.82N 164.76E 33 5.2b,5.0b
DJA IX 12 23 50 20 56.63N 161.43E 146 5.1b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=9.7km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=1.8km az=169.2.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.6km az=166.0.
MOS Error ellipse: s-maj=7.1km s-min=4.6km az=90.1.
KRSC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 107 sta. Moment Tensor Solution. s65,c105; s99,c195; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19±.03 $M_{\theta\theta}$-1.07±.03; $M_{\phi\phi}$1.26±.03; $M_{r\theta}$0.23±.06; $M_{\theta\phi}$-0.74±.02; $M_{\phi r}$0.21±.06; Best double couple: NP1: ϕ_s299.00000°,δ77.00000°,λ-174.00000°. NP2:ϕ_s208.00000°,δ84.00000°,λ-13.00000°. Principal axes: T 1.4900,Plg5.0000°,Azm254.0000°; N -0.1300,Plg76.0000°,Azm3.0000° ; P -1.3500,Plg14.0000°,Azm163.0000° $M_0$1.40000×10^{17}
SZGRF Bering Sea.
KRSC IX 12 23 53 08.1–.60 56.09N 164.37E 18–18 4.5L
¶12835418
KRSC Event type se.
KRSC IX 13 00 24 56.3–.50 56.14N 164.22E 17–17 3.5L
¶12835423
KRSC Event type se.
KRSC IX 13 04 28 17.3–.60 56.15N 164.30E 17–17 3.5L
¶12835422
KRSC Event type se.
ISC IX 13 07 38 23.3–.59 56.22N–.06 164.53E–.06 10 3.4b 28 1-84
ISCJB IX 13 07 38 22.1–.60 56.27N–.06 164.51E–.06 10 3.4b **¶11910162**
IDC IX 13 07 38 22.1–1.3 55.95N 164.85E 0 3.8,3.6
KRSC IX 13 07 38 22.1–.90 56.25N 164.43E 5–5 3.9L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.5km az=11.6.
IDC Error ellipse: s-maj=107.6km s-min=20.0km az=138.0.
KRSC Event type se.
KRSC IX 20 09 23 32.9–1.4 53.80N 168.08E 5–5 3.7L
¶12835436
KRSC Event type se.
KRSC IX 21 07 52 46.4–.10 54.98N 164.73E 43–33 3.6L
¶12835437
KRSC Event type se.
ISC IX 24 20 08 13.6–.73 54.95N–.04 165.65E–.04 23–5 4.4b,3.3s 148 0-145
BJI IX 24 20 08 08.4 55.22N 166.41E 26 4.9b,4.6b **¶13395125**
KRSC IX 24 20 08 12.5–.20 54.93N 165.65E 33–37 4.7L,4.6b
ISCJB IX 24 20 08 12.5–.65 54.93N–.04 165.64E–.04 29–4 4.4b,3.3s
MOS IX 24 20 08 13.3–1.1 55.03N 165.60E 35 4.5b,3.3s
IDC IX 24 20 08 17.4–.72 55.02N 165.55E 52–7 4.1,4.1
NEIC IX 24 20 08 17.2–.39 54.96N 165.57E 56 4.8b,4.1
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.5km az=172.7.
MOS Error ellipse: s-maj=9.4km s-min=7.9km az=75.3.
IDC Error ellipse: s-maj=17.9km s-min=9.4km az=157.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=5.8km az=158.0.
ISC IX 27 04 57 21.1–.40 54.44N–.07 169.68E–.05 10 3.8b 57 2-89
ISCJB IX 27 04 57 19.2–.40 54.40N–.07 169.63E–.05 10 3.8b **¶11911156**
MOS IX 27 04 57 19.6–.84 54.41N 169.69E 14 4.2b
IDC IX 27 04 57 20.2–1.6 54.59N 169.71E 0 4.3L,4.0
KRSC IX 27 04 57 20.5–1.3 54.16N 169.51E 20–20 4.5L,4.0
NEIC IX 27 04 57 21.2–.40 54.49N 169.77E 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=3.9km az=8.8.
MOS Error ellipse: s-maj=20.6km s-min=14.2km az=18.0.
IDC Error ellipse: s-maj=66.9km s-min=17.0km az=177.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=5.8km az=180.0.
ISC IX 29 10 37 57.3–.96 55.32N–.05 164.29E–.05 6–7 3.8b,3.4s 72 1-83
IDC IX 29 10 37 55.8–.71 55.48N 164.23E 0 4.0,3.8 **¶11911331**
KRSC IX 29 10 37 59.4–.70 55.31N 164.25E 39–29 4.5L,3.8
MOS IX 29 10 37 59.7–1.5 55.33N 164.24E 47 4.0b,3.8
NEIC IX 29 10 38 00.5–2.8 55.43N 164.23E 30–21 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=13.9km az=155.0.
KRSC Event type se.
MOS Error ellipse: s-maj=15.1km s-min=10.2km az=55.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.1km az=166.0.
KRSC IX 30 20 00 06.0–.60 55.46N 166.10E 22–22 3.7L
¶12835456
KRSC Event type se.
ISC X 06 04 53 19.6–2.4 54.25N–.08 169.23E–.06 13–16 3.6b 54 2-83
IDC X 06 04 53 17.3–.86 54.13N 169.32E 0 3.9,3.7 **¶12066096**
ISCJB X 06 04 53 18.7–2.1 54.18N–.08 169.16E–.07 20–17 3.6b,3.7
MOS X 06 04 53 18.7–.63 54.14N 169.20E 23 4.5b,3.7
KRSC X 06 04 53 19.4–1.3 54.01N 168.78E 10–10 4.4L,3.7
NEIC X 06 04 53 21.4–3.1 54.11N 169.32E 27–23 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=17.1km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=5.9km az=13.8.
MOS Error ellipse: s-maj=20.3km s-min=14.6km az=17.4.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=8.2km az=174.0.
KRSC X 07 23 06 32.7–.70 56.14N 164.03E 10–10 3.6L
¶12835468
KRSC Event type se.
KRSC X 16 21 08 08.1–.40 54.99N 165.68E 26–16 3.5L
¶12835482
KRSC Event type se.
KRSC X 19 13 50 43.0–.60 54.92N 164.36E 41–41 4.0L
MOS X 19 13 50 34.1–.65 54.84N 165.73E 35 4.3b **¶12835489**
KRSC Event type se.
MOS Error ellipse: s-maj=27.4km s-min=22.2km az=7.2.
KRSC X 24 11 26 38.9–.70 54.42N 166.62E 48–52 3.9L
¶12835491
KRSC Event type se.
KRSC X 27 16 06 00.8–.40 54.69N 164.52E 44–33 3.6L
¶12835494
KRSC Event type se.
ISC X 27 21 26 07.8–.78 54.31N–.03 169.07E–.02 17–4 5.1b,4.9s 1171 2-162
BJI X 27 21 26 04.5 54.63N 168.95E 10 5.4s,5.2b **¶13398294**
MOS X 27 21 26 04.6–.98 54.26N 169.06E 11 5.3b,4.8s
ISCJB X 27 21 26 04.7–.69 54.24N–.03 169.09E–.02 11–4 5.1b,4.9s
KRSC X 27 21 26 05.7–.90 54.09N 168.87E 15–15 5.5L,4.9s
NEIC X 27 21 26 06.8–1.4 54.35N 169.05E 12–8 5.4W,5.4W
IDC X 27 21 26 07.4–3.0 54.36N 169.10E 17–18 4.8,4.8
TEH X 27 21 26 09.0 53.77N 169.06E 33 4.8,4.8
GCMT X 27 21 26 10.2–.10 54.35N 169.07E 16–0 5.4W,4.8

SZGRF X 27 21 26 14.1 55.16N 169.45E 33 5.1b,4.9s
ISC Event type se.
MOS Error ellipse: s-maj=6.0km s-min=4.1km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=1.7km az=1.5.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.1km az=176.0. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}0.19 $M_{\theta\theta}$-1.61 $M_{\phi\phi}$1.43 $M_{r\theta}$-0.21 $M_{\theta\phi}$-0.32 $M_{\phi r}$-0.38 Best double couple: NP1:ϕ_s220.00000°,δ85.00000°,λ16.00000°. NP2:ϕ_s128.00000° ,δ74.00000°,λ175.00000°. Principal axes: T 1.5600,Plg14.0000°,Azm85.0000° ; N 0.1200,Plg73.0000°,Azm236.0000°; P -1.6800,Plg7.0000°,Azm353.0000° $M_0$1.60000×10^{17}
IDC Error ellipse: s-maj=12.1km s-min=9.2km az=177.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=103, comp=210, per= 50. Moment Tensor Solution. s91,c170; s35,c37; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.02 $M_{\theta\theta}$-1.64±.02; $M_{\phi\phi}$1.78±.03; $M_{r\theta}$-0.31±.06; $M_{\theta\phi}$-0.13±.02; $M_{\phi r}$-0.14±.06; Best double couple: NP1:ϕ_s133.00000°,δ79.00000°,λ-175.00000°. NP2:ϕ_s42.00000°,δ85.00000°,λ-11.00000°. Principal axes: T 1.7900,Plg4.0000°,Azm88.0000°; N -0.0900,Plg78.0000°,Azm197.0000° ; P -1.7100,Plg11.0000°,Azm357.0000° $M_0$1.80000×10^{17}
SZGRF Komandorsky Islands, Russia, region.
ISC X 27 22 20 54.2–2.2 54.2N–.10 168.7E–.20 74–29 3.1b 23 2-65
MOS X 27 22 20 46.8–.60 54.12N 169.11E 16 4.2b **¶12071287**
IDC X 27 22 20 47.0–2.3 54.32N 169.17E 0 3.7,3.5L
KRSC X 27 22 20 48.5–1.4 53.98N 168.78E 15–15 4.0L,3.5L
ISCJB X 27 22 20 52.8–2.3 54.1N–.20 168.6E–.20 81–28 3.1b,3.5L
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC X 29 20 48 09.6–.77 53.9N–.10 169.09E–.09 41–12 3.7b 27 2-65
IDC X 29 20 48 05.2–1.5 54.22N 169.14E 0 3.8,3.5b **¶12071540**
NEIC X 29 20 48 07.8–1.0 54.13N 169.15E 20 4.6b,3.5b
ISCJB X 29 20 48 08.2–.79 53.8N–.10 169.01E–.08 51–11 3.7b,3.5b
KRSC X 29 20 48 09.5–1.1 53.98N 168.77E 87–102 3.8L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=13.6km az=35.0.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=11.1km az=199.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=6.4km az=15.5.
KRSC Event type se.
ISC X 31 23 11 51.2–.91 55.25N–.06 166.49E–.05 22–6 4.2s,3.9b 53 0-66
IDC X 31 23 11 48.3–1.1 55.43N 166.39E 0 4.2,3.9b **¶12071788**
MOS X 31 23 11 49.6–1.2 55.36N 166.39E 28 4.3b,3.9b
KRSC X 31 23 11 49.2–.60 55.31N 166.43E 32–31 4.2L,3.9b
ISCJB X 31 23 11 50.2–.75 55.21N–.06 166.48E–.05 31–5 4.2s,3.9b
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC XI 01 04 08 34.9–.20 55.04N 165.35E 35–25 4.1L
MOS XI 01 04 08 33.7–.58 55.10N 165.46E 36 4.2b **¶12835503**
KRSC Event type se.
MOS Error ellipse: s-maj=43.1km s-min=23.9km az=143.5.
ISC XI 03 05 37 57.0–.47 53.71N–.08 168.91E–.06 35 3.4b 59 2-76
MOS XI 03 05 37 52.5–1.4 53.77N 168.93E 15 4.3b **¶12072076**
IDC XI 03 05 37 53.2–1.0 54.02N 169.00E 0 3.8,3.6L
ISCJB XI 03 05 37 54.8–.47 53.66N–.08 168.86E–.06 33 3.4b,3.6L
NEIC XI 03 05 37 57.4–.62 53.82N 169.02E 35 3.4b,3.6L
KRSC XI 03 05 37 58.2–1.4 53.69N 168.18E 20–20 4.2L,3.6L
ISC Event type se.
MOS Error ellipse: s-maj=18.7km s-min=12.5km az=26.3.
IDC Error ellipse: s-maj=30.3km s-min=11.2km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=4.7km az=11.3.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=8.6km az=191.0.
KRSC Event type se.
KRSC XI 04 11 48 00.2–.30 55.03N 164.36E 43–22 3.5L
¶12835508
KRSC Event type se.
ISC XI 06 14 08 23.8–.94 55.36N–.07 166.41E–.08 22–6 3.7b 61 0-66
IDC XI 06 14 08 19.9–.84 55.32N 166.40E 0 3.9,3.6b **¶12072537**
MOS XI 06 14 08 21.4–1.3 55.38N 166.49E 23 4.1b,3.6b
KRSC XI 06 14 08 22.3–.70 55.40N 166.24E 22–21 4.1L,3.6b
ISCJB XI 06 14 08 23.0–.79 55.33N–.07 166.39E–.08 32–5 3.7b,3.6b
NEIC XI 06 14 08 24.7–.72 55.19N 166.44E 35 3.8b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=11.3km az=21.0.
MOS Error ellipse: s-maj=18.8km s-min=13.2km az=149.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=5.7km az=156.6.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=11.5km az=179.0.
ISC XI 07 05 48 16.3–.92 55.61N–.04 165.82E–.05 18–6 3.8b,3.5s 87 0-84
IDC XI 07 05 48 13.8–.65 55.65N 165.79E 0 3.9,3.8 **¶12072626**
KRSC XI 07 05 48 14.3–1.0 55.62N 165.94E 39–40 4.5L,3.8
ISCJB XI 07 05 48 15.7–.83 55.61N–.05 165.78E–.05 27–7 3.8b,3.5s
MOS XI 07 05 48 16.6–1.3 55.47N 165.85E 44 4.0b,3.5s
NEIC XI 07 05 48 18.5–.48 55.54N 165.88E 35 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=10.9km az=16.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=172.1.
MOS Error ellipse: s-maj=13.7km s-min=13.6km az=61.3.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.6km az=169.0.
KRSC XI 07 05 52 27.1–.80 55.64N 165.87E 32–32 3.6L
¶12835511
KRSC Event type se.
ISC XI 07 06 33 44.4–1.1 55.68N–.04 165.72E–.06 10–8 3.9b,3.0s 87 0-145
MOS XI 07 06 33 43.6–1.1 55.69N 165.86E 20 4.1b,3.0s **¶12072632**
KRSC XI 07 06 33 43.3–.40 55.65N 165.72E 10–10 4.3L,3.0s
IDC XI 07 06 33 43.6–.57 55.89N 165.84E 0 4.1,4.0
ISCJB XI 07 06 33 44.2–.00 55.65N–.04 165.72E–.05 21–8 3.9b,3.0s
NEIC XI 07 06 33 48.5–.55 55.85N 165.66E 35 4.6b,3.0s
ISC Event type se.
MOS Error ellipse: s-maj=13.6km s-min=12.8km az=106.5.
KRSC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=11.9km az=9.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=170.7.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=9.6km az=159.0.
ISC XI 07 09 49 49.2–.56 55.60N–.04 165.62E–.06 10 3.8b 64 0-145
ISCJB XI 07 09 49 47.7–.53 55.60N–.04 165.58E–.05 10 3.8b **¶12072654**
KRSC XI 07 09 49 47.1–.80 55.65N 165.66E 10–10 4.2L
MOS XI 07 09 49 47.9–2.0 55.41N 165.62E 10 4.1b
IDC XI 07 09 49 50.2–.98 55.28N 165.79E 10–4 4.0,3.8b
NEIC XI 07 09 49 53.2–.55 54.98N 165.97E 35 3.7b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.5km az=5.6.
KRSC Event type se.
MOS Error ellipse: s-maj=15.1km s-min=14.2km az=107.6.
IDC Error ellipse: s-maj=24.6km s-min=13.1km az=17.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=9.2km az=179.0.
ISC XI 07 09 52 46.4–1.0 55.57N–.06 165.85E–.06 27–8 3.5b 61 0-145
ISCJB XI 07 09 52 44.2–.49 55.60N–.05 165.77E–.06 22 3.5b **¶12072656**
KRSC XI 07 09 52 44.3–.30 55.59N 165.83E 35–35 4.2L
IDC XI 07 09 52 45.9–.74 55.60N 165.74E 22–4 3.6,3.5
MOS XI 07 09 52 45.4–1.6 55.51N 165.84E 39 4.5b,3.5
NEIC XI 07 09 52 47.6–.53 55.55N 165.86E 35 4.5b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=175.8.
KRSC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=12.1km az=11.0.
MOS Error ellipse: s-maj=17.6km s-min=16.9km az=119.7.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=9.4km az=170.0.
ISC XI 07 10 08 40.4–1.1 55.58N–.05 165.75E–.05 24–8 3.5b 60 0-83
KRSC XI 07 10 08 37.9–.20 55.62N 165.77E 28–27 4.1L **¶12072659**
ISCJB XI 07 10 08 38.4–.48 55.62N–.04 165.72E–.05 22 3.5b
MOS XI 07 10 08 38.6–1.6 55.61N 165.79E 24 4.3b

IDC XI 07 10 08 40.2–.96 55.70N 165.69E 20–5 3.6,3.4
NEIC XI 07 10 08 42.0–.45 55.55N 165.82E 35 3.6,3.4
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.0km az=5.8.
MOS Error ellipse: s-maj=20.0km s-min=16.9km az=77.2.
IDC Error ellipse: s-maj=24.8km s-min=13.1km az=17.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=7.1km az=166.0.
ISC XI 07 10 39 38.5–1.4 55.58N–.07 165.68E–.09 22–12 3.5b 32 0-67
IDC XI 07 10 39 35.5–1.1 55.94N 165.69E 0 3.5,3.4b **¶12072663**
ISCJB XI 07 10 39 37.6–1.0 55.57N–.07 165.67E–.09 31–9 3.5b,3.4b
KRSC XI 07 10 39 37.3–.30 55.58N 165.68E 26–16 3.5L,3.4b
NEIC XI 07 10 39 40.1–.86 55.78N 165.82E 35 3.5L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=47.4km s-min=18.0km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=7.8km az=161.9.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=13.0km az=182.0.
ISC XI 07 10 49 01.5–1.0 55.61N–.05 165.83E–.05 24–8 3.8b 82 0-145
KRSC XI 07 10 48 58.6–.40 55.65N 165.89E 39–40 4.3L **¶12072666**
ISCJB XI 07 10 49 00.5–.62 55.60N–.05 165.81E–.05 33–7 3.8b
IDC XI 07 10 49 01.1–.53 55.63N 165.70E 21–3 3.8,3.7L
MOS XI 07 10 49 01.1–1.3 55.53N 165.78E 42 4.0b,3.7L
NEIC XI 07 10 49 02.9–.52 55.63N 165.84E 35 4.0b,3.7L
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=2.3.
IDC Error ellipse: s-maj=16.8km s-min=9.7km az=14.0.
MOS Error ellipse: s-maj=13.5km s-min=12.4km az=88.5.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=9.1km az=162.0.
ISC XI 07 15 58 03.2–1.3 55.71N–.05 165.8E–.10 8–11 3.2b 35 1-67
ISCJB XI 07 15 58 03.2–1.2 55.68N–.06 165.77E–.09 21–12 3.2b **¶12072705**
KRSC XI 07 15 58 03.3–.20 55.66N 165.64E 11–10 3.9L
NEIC XI 07 15 58 06.6–.75 55.58N 165.85E 35 3.9L
IDC XI 07 15 58 07.5–1.1 55.46N 165.89E 50–22 3.2L,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=8.1km az=153.3.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=10.9km az=170.0.
IDC Error ellipse: s-maj=34.4km s-min=4.9km az=178.0.
IDC XI 07 16 42 00.9–1.6 56.10N 165.99E 0 3.7,3.4b
¶12072711
IDC Error ellipse: s-maj=60.5km s-min=23.1km az=173.0.
ISC XI 07 16 54 21.8–.73 55.1N–.10 165.85E–.10 35 3.3b 18 5-67
IDC XI 07 16 54 17.0–1.4 55.29N 165.83E 0 3.7,3.5 **¶12072715**
ISCJB XI 07 16 54 19.6–.72 55.1N–.10 165.89E–.09 33 3.3b,3.5
NEIC XI 07 16 54 21.7–.66 54.88N 166.02E 35 3.3b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=17.9km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=7.4km az=177.5.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=9.0km az=166.0.
ISC XI 12 05 16 07.3–.55 54.32N–.07 167.86E–.06 45–8 3.8b 80 1-75
IDC XI 12 05 16 02.5–.82 54.63N 167.86E 0 4.0,3.8b **¶13399886**
NEIC XI 12 05 16 03.7–.47 54.56N 167.95E 10 4.0,3.8b
ISCJB XI 12 05 16 05.6–.58 54.23N–.06 167.82E–.05 51–8 3.8b,3.8b
MOS XI 12 05 16 05.2–.84 54.30N 167.82E 49 4.2b,3.8b
KRSC XI 12 05 16 05.1–.80 54.10N 167.67E 40–50 4.3L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=10.1km az=25.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.1km az=181.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.9km az=13.1.
MOS Error ellipse: s-maj=15.6km s-min=12.7km az=27.7.
KRSC Event type se.
ISC XI 13 03 19 55.3–.63 54.19N–.06 167.60E–.06 46–7 3.8b 68 1-75
IDC XI 13 03 19 50.7–.88 54.58N 167.71E 0 3.8,3.6b **¶13399977**
NEIC XI 13 03 19 51.5–.63 54.54N 167.76E 10 4.1b,3.6b
ISCJB XI 13 03 19 53.7–.65 54.15N–.06 167.64E–.06 51–7 3.8b,3.6b
MOS XI 13 03 19 53.0–1.0 54.29N 167.67E 42 4.3b,3.6b
KRSC XI 13 03 19 53.1–.10 54.13N 167.32E 10–10 4.3L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=11.0km az=24.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=9.9km az=188.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=5.8km az=12.5.
MOS Error ellipse: s-maj=17.8km s-min=12.7km az=30.5.
KRSC Event type se.
ISC XI 16 21 53 56.7–.87 53.93N–.08 168.36E–.08 43–12 3.5b 46 2-83
IDC XI 16 21 53 51.1–1.2 54.20N 168.45E 0 3.9,3.6L **¶12073792**
MOS XI 16 21 53 53.6–.87 54.00N 168.54E 27 4.0b,3.6L
ISCJB XI 16 21 53 53.3–.95 53.98N–.08 168.36E–.08 50–12 3.5b,3.6L
KRSC XI 16 21 53 58.4–1.1 53.92N 167.77E 21–20 4.3L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=16.7km az=17.0.
MOS Error ellipse: s-maj=23.1km s-min=16.3km az=23.6.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=7.5km az=4.5.
KRSC Event type se.
KRSC XI 24 17 31 38.0–.00 55.05N 165.44E 32–22 3.6L
¶12835538
KRSC Event type se.
KRSC XII 04 17 36 43.9–.30 54.96N 165.65E 31–21 3.9L
¶12835555
KRSC Event type se.
ISC XII 05 04 56 57.4–.96 55.3N–.20 166.2E–.20 27–6 3.6b 22 0-67
IDC XII 05 04 56 53.6–1.7 55.49N 166.37E 0 3.9,3.7L **¶12075834**
ISCJB XII 05 04 56 55.8–1.0 55.47N–.10 166.0E–.10 28–9 3.6b,3.7L
KRSC XII 05 04 56 55.0–.90 55.45N 166.04E 23–23 3.8L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=83.5km s-min=21.7km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=8.2km az=150.6.
KRSC Event type se.
KRSC XII 24 00 39 38.5–2.2 53.66N 167.51E 41–40 3.7L
¶12835583
KRSC Event type se.
IDC XII 27 13 03 32.5–1.1 55.71N 165.91E 0 3.9,3.7b
¶12079173
IDC Error ellipse: s-maj=33.7km s-min=18.0km az=162.0.
IDC XII 27 13 25 10.2–1.3 55.70N 165.93E 0 3.5,3.4L
¶12079174
IDC Error ellipse: s-maj=42.6km s-min=22.1km az=153.0.
ISC XII 31 15 23 50.5–1.1 55.51N–.06 166.38E–.05 7–7 3.8b 122 0-84
IDC XII 31 15 23 49.4–.52 55.54N 166.40E 0 4.0,3.9 **¶12079668**
MOS XII 31 15 23 49.8–.99 55.47N 166.40E 18 4.2b,3.9
ISCJB XII 31 15 23 50.1–1.0 55.47N–.06 166.40E–.05 18–8 3.8b,3.9
NEIC XII 31 15 23 50.8–.33 55.53N 166.39E 10 4.3b,3.9
KRSC XII 31 15 23 51.4–.80 55.32N 166.19E 21–21 4.2L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=9.5km az=20.0.
MOS Error ellipse: s-maj=11.2km s-min=10.4km az=88.3.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.7km az=4.7.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.7km az=165.0.
KRSC Event type se.
ISC XII 31 19 02 39.8–.85 55.32N–.05 166.39E–.04 22–6 4.1b,3.7s 140 0-145
IDC XII 31 19 02 36.8–.46 55.45N 166.39E 0 4.2,4.1 **¶12079687**
NEIC XII 31 19 02 38.0–3.6 55.45N 166.38E 9–23 4.5b,4.1
ISCJB XII 31 19 02 38.6–.71 55.36N–.05 166.38E–.04 27–5 4.1b,3.7s
MOS XII 31 19 02 38.0–1.4 55.37N 166.42E 23 4.3b,3.7s
KRSC XII 31 19 02 39.1–.60 55.31N 166.19E 22–22 4.6L,3.7s
BJI XII 31 19 02 47.4 56.42N 166.12E 86 4.8b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=9.3km az=14.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.1km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.2km az=179.1.
MOS Error ellipse: s-maj=11.8km s-min=9.3km az=106.7.
KRSC Event type se.

(5) Near Islands.

ISC VII 04 12 49 11.9–1.5 52.87N–.06 171.41E–.04 29–12 4.1b,3.2s 101 2-145
BJI VII 04 12 49 06.8 52.84N 171.66E 21 4.8s,4.6b **¶13388152**
MOS VII 04 12 49 07.5–.88 52.89N 171.41E 13 4.4b,4.6b
IDC VII 04 12 49 07.2–.76 52.86N 171.52E 0 4.2,4.1
KRSC VII 04 12 49 08.1–1.5 52.48N 170.83E 10–10 4.6L,4.1
NEIC VII 04 12 49 08.9–.43 52.80N 171.43E 10 4.1b,4.1
ISCJB VII 04 12 49 09.8–1.5 52.87N–.06 171.30E–.04 28–11 4.1b,3.2s
ISC Event type se.
KRSC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 26 14 36 12.9–.89 53.1N–.10 170.80E–.08 35 3.3b 21 4-65
MOS VII 26 14 36 05.5–2.8 52.48N 170.83E 17 4.3b **¶12698443**
IDC VII 26 14 36 07.0–2.8 52.73N 171.18E 0 3.7,3.4L
KRSC VII 26 14 36 08.1–2.0 52.95N 170.68E 15–15 4.1L,3.4L
ISCJB VII 26 14 36 10.7–.90 53.02N–.10 170.67E–.08 33 3.3b,3.4L
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC IX 01 23 46 20.4–.56 52.26N–.09 170.25E–.06 10 3.9b,2.8s 47 2-87
ISCJB IX 01 23 46 18.5–.56 52.22N–.09 170.17E–.06 10 3.9b,2.8s **¶11909251**
IDC IX 01 23 46 18.4–.91 52.17N 170.28E 0 4.1L,4.1
MOS IX 01 23 46 18.6–.88 52.20N 170.19E 13 4.6b,4.1
NEIC IX 01 23 46 19.8–.52 52.13N 170.30E 10 4.3b,4.1
KRSC IX 01 23 46 22.2–2.3 52.24N 169.64E 15–15 4.3L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=5.6km az=3.3.
IDC Error ellipse: s-maj=29.6km s-min=13.8km az=173.0.
MOS Error ellipse: s-maj=13.5km s-min=10.1km az=122.6.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=5.2km az=171.0.
KRSC Event type se.
ISC IX 04 21 50 24.8–2.7 52.5N–.30 171.0E–.20 41–29 3.6b 10 6-66
IDC IX 04 21 50 21.5–2.6 52.92N 171.36E 0 3.8,3.5b **¶11909494**
KRSC IX 04 21 50 21.1–3.7 52.38N 170.50E 5–5 4.4L,3.5b
ISCJB IX 04 21 50 23.2–3.0 52.5N–.30 170.8E–.20 50–31 3.6b,3.5b
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC IX 05 18 48 46.8–.58 52.68N–.07 172.17E–.04 41–4 4.3b,3.9s 146 1-83
KRSC IX 05 18 48 39.4–2.6 52.07N 171.82E 14–15 4.2L,3.9s **¶13393518**
IDC IX 05 18 48 41.1–.73 52.73N 172.19E 0 4.2,4.2
MOS IX 05 18 48 43.9–1.2 52.67N 172.14E 33 4.5b,4.2
BJI IX 05 18 48 43.7 52.27N 171.76E 24 4.8b,4.6b
ISCJB IX 05 18 48 44.6–.61 52.71N–.06 172.09E–.04 38–5 4.3b,3.9s
NEIC IX 05 18 48 46.1–.75 52.70N 172.15E 35–7 4.4b,3.9s
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=11.7km az=165.0.
MOS Error ellipse: s-maj=9.8km s-min=7.3km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=3.8km az=3.8.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=4.6km az=174.0.
ISC IX 19 07 21 40.7–1.8 52.06N–.09 173.03E–.07 26–11 4.1b 56 1-83
ISCJB IX 19 07 21 38.7–1.9 52.01N–.08 172.92E–.08 28–12 4.1b **¶11910612**
NEIC IX 19 07 21 38.5 52.00N 172.97E 19 3.8L
MOS IX 19 07 21 39.3–.78 52.12N 172.98E 30 4.4b
KRSC IX 19 07 21 39.1–4.3 52.15N 172.48E 5–5 4.4L
IDC IX 19 07 21 41.7–.86 52.12N 173.07E 31–4 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=7.2km az=165.1.
NEIC Event type se. After AEIC.
MOS Error ellipse: s-maj=17.9km s-min=10.9km az=94.2.
KRSC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=14.3km az=2.0.
IDC X 14 22 08 57.7–2.6 52.57N 171.20E 0 3.9,3.6b
¶12068642
IDC Error ellipse: s-maj=91.5km s-min=34.8km az=175.0.
ISC X 20 15 53 19.7–.87 53.25N–.08 170.06E–.08 45–12 3.8b 60 2-65
IDC X 20 15 53 14.4–1.6 53.36N 170.36E 0 4.8L,4.2 **¶12069137**
KRSC X 20 15 53 16.9–1.8 53.13N 169.65E 10–10 4.6L,4.2
MOS X 20 15 53 17.1–1.6 53.08N 169.64E 15 4.6b,4.2
NEIC X 20 15 53 19.0–1.3 53.11N 170.35E 40–16 3.8b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=21.6km az=169.0.
KRSC Event type se.
MOS Error ellipse: s-maj=15.9km s-min=11.0km az=42.1.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=12.3km az=190.0.
ISC X 21 02 02 06.2–.28 52.41N–.05 173.76E–.04 41 4.6b,3.8s 230 0-147
BJI X 21 02 02 02.3 52.40N 173.70E 32 5.0b,4.7b **¶13397662**
ISCJB X 21 02 02 03.9–.28 52.33N–.05 173.76E–.04 39 4.6b,3.8s
MOS X 21 02 02 03.1–1.0 52.36N 173.75E 34 4.9b,3.8s
NEIC X 21 02 02 05.5–.33 52.37N 173.73E 36 4.9L,4.7b
IDC X 21 02 02 05.4–.84 52.41N 173.89E 38–5 4.3,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.7km az=177.8.
MOS Error ellipse: s-maj=10.7km s-min=6.9km az=100.9.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.1km az=177.0.
IDC Error ellipse: s-maj=18.2km s-min=10.9km az=164.0.
ISC X 28 14 33 52.0–2.6 52.4N–.10 170.77E–.06 19–18 4.0b 79 2-81
IDC X 28 14 33 48.1–.91 52.04N 170.62E 0 4.5L,4.3 **¶12071335**
NEIC X 28 14 33 49.7–.68 52.12N 170.78E 10 4.5L,4.3
ISCJB X 28 14 33 50.0–1.8 52.36N–.08 170.63E–.06 21–15 4.0b,4.3
MOS X 28 14 33 50.8–1.2 52.13N 170.64E 33 4.6b,4.3
KRSC X 28 14 33 55.2–3.0 52.25N 169.71E 10–10 4.6L,4.3
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=13.1km az=172.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=8.4km az=175.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=5.7km az=7.9.
MOS Error ellipse: s-maj=16.3km s-min=12.4km az=22.3.
KRSC Event type se.
ISC X 29 08 21 38.8–2.3 53.0N–.10 171.13E–.08 28–18 3.9b 66 1-81
IDC X 29 08 21 34.8–.80 53.03N 171.01E 0 4.0,3.9 **¶13398512**
ISCJB X 29 08 21 37.6–.75 53.0N–.10 171.02E–.07 34–8 3.9b,3.9
MOS X 29 08 21 37.7–.99 52.98N 171.04E 38 4.4b,3.9
KRSC X 29 08 21 41.2–.10 52.97N 170.32E 200–1 4.5L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=8.8km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=6.5km az=4.0.
MOS Error ellipse: s-maj=15.5km s-min=12.0km az=39.9.
KRSC Event type se.
IDC XI 16 13 19 21.6–2.2 52.66N 171.53E 0 3.7,3.4L
¶12073749
IDC Error ellipse: s-maj=88.0km s-min=17.4km az=175.0.
IDC XI 25 03 32 17.8–1.9 52.22N 172.94E 0 3.8,3.5
¶12074758
IDC Error ellipse: s-maj=35.4km s-min=13.6km az=95.0.
ISC XII 02 06 13 50.5–.63 52.7N–.10 172.52E–.05 45–7 4.0b 99 1-66
ISCJB XII 02 06 13 48.3–.72 52.6N–.10 172.42E–.05 50–7 4.0b **¶12075480**
MOS XII 02 06 13 48.5–.98 52.68N 172.45E 50 4.3b
NEIC XII 02 06 13 50.8–.83 52.70N 172.56E 51–7 4.2b
IDC XII 02 06 13 50.8–3.2 52.82N 172.54E 48–31 4.1L,4.0
KRSC XII 02 06 13 52.6–1.4 52.70N 171.43E 10–10 4.2L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=4.9km az=0.7.
MOS Error ellipse: s-maj=12.2km s-min=11.5km az=30.6.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=5.3km az=181.0.
IDC Error ellipse: s-maj=42.8km s-min=12.6km az=2.0.
KRSC Event type se.

IDC XII 04 19 42 23.4–22 51.03N 170.80E 0 3.6,3.4b ¶12075779
IDC Error ellipse: s-maj=734.3km s-min=46.6km az=70.0.
ISC XII 14 20 38 40.5–2.0 52.8N–.10 171.95E–.05 18–13 4.1b 83 1-81
KRSC XII 14 20 38 34.7–2.5 52.55N 171.93E 25–25 4.5L **¶13402765**
ISCJB XII 14 20 38 38.7–1.3 52.82N–.09 171.83E–.05 18–10 4.0b
IDC XII 14 20 38 38.2–.89 52.82N 172.02E 0 4.2,4.2
NEIC XII 14 20 38 40.7–1.4 52.83N 171.99E 16–9 4.3b,4.2
MOS XII 14 20 38 40.9–1.2 52.86N 171.86E 33 4.2b,4.2
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=4.3km az=7.5.
IDC Error ellipse: s-maj=29.6km s-min=8.2km az=2.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=6.7km az=172.0.
MOS Error ellipse: s-maj=13.6km s-min=11.9km az=44.2.

(6) Rat Islands.

ISC VII 01 12 48 39.5–.52 51.74N–.08 179.28E–.07 107–5 3.8b 37 0-150
ISCJB VII 01 12 48 38.4–.53 51.75N–.08 179.24E–.07 113–5 3.8b **¶13379048**
IDC VII 01 12 48 39.8–.68 51.88N 179.26E 106–6 3.7,3.6
NEIC VII 01 12 48 39.4–.46 51.75N 179.32E 104 4.1b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=7.2km az=4.2.
IDC Error ellipse: s-maj=20.4km s-min=9.4km az=2.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.1km az=169.0.
ISC VII 04 14 24 36.7–.74 51.84N–.06 175.78E–.04 45–6 4.5b,3.4s 130 1-148
IDC VII 04 14 24 29.9–.57 51.75N 175.72E 0 4.4L,4.4 **¶13388161**
MOS VII 04 14 24 32.4–1.3 51.76N 175.76E 29 4.6b,4.4
ISCJB VII 04 14 24 35.5–.82 51.85N–.07 175.81E–.04 51–6 4.5b,3.4s
BJI VII 04 14 24 36.0 51.95N 174.99E 26 4.8b,4.7b
NEIC VII 04 14 24 36.9–.76 51.84N 175.70E 51–6 4.4b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=11.8km az=162.0.
MOS Error ellipse: s-maj=11.6km s-min=7.8km az=104.4.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.3km az=177.9.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=4.9km az=176.0.
ISC VII 05 12 56 14.4–.13 51.71N–.04 179.48E–.02 77 5.0b 852 0-150
SZGRF VII 05 12 56 07.2 51.21N 179.87W 33 4.5b **¶13388254**
MOS VII 05 12 56 07.8–.91 51.71N 179.45E 33 5.3b
ISCJB VII 05 12 56 12.2–.13 51.65N–.04 179.48E–.02 75 5.0b
IDC VII 05 12 56 13.7–.41 51.65N 179.50E 74–2 4.7,4.6
NEIC VII 05 12 56 13.8–.16 51.66N 179.46E 74 5.1b,4.6
BJI VII 05 12 56 14.3 51.95N 179.07E 80 5.2b,5.1b
ISC Event type se.
SZGRF Andreanof Islands, Aleutian Islands, United States.
MOS Error ellipse: s-maj=7.3km s-min=5.8km az=81.7.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=1.8km az=3.0.
IDC Error ellipse: s-maj=12.3km s-min=7.7km az=162.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.2km az=180.0.
ISC VII 07 08 05 39.7–.55 51.71N–.09 178.55E–.07 74–6 4.0b 46 1-150
ISCJB VII 07 08 05 38.5–.56 51.77N–.09 178.56E–.07 77–6 4.0b **¶11479887**
NEIC VII 07 08 05 39.6–.71 51.66N 178.49E 79–6 4.2b
IDC VII 07 08 05 42.3–3.2 51.86N 178.67E 98–28 3.7,3.7
BJI VII 07 08 05 43.6 51.70N 178.50E 79 5.0b,4.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=6.8km az=176.2.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=6.6km az=179.0.
IDC Error ellipse: s-maj=21.7km s-min=13.3km az=172.0.
ISC VII 18 14 46 44.4–1.6 51.3N–.30 178.54E–.10 43–10 3.5b 12 0-60
IDC VII 18 14 46 38.6–2.4 51.23N 178.62E 0 3.9,3.6 **¶11811940**
NEIC VII 18 14 46 40.9 51.14N 178.39E 3 3.0L,3.6
ISCJB VII 18 14 46 42.5–2.0 51.2N–.30 178.49E–.10 50–10 3.5b,3.6
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VII 20 12 03 25.4–1.4 51.3N–.20 180.0E–.10 39–9 3.8b 21 0-85
IDC VII 20 12 03 19.5–1.5 51.27N 179.97W 0 3.9,3.8 **¶11812176**
ISCJB VII 20 12 03 24.3–1.4 51.3N–.30 180.0E–.10 47–7 3.8b,3.8
NEIC VII 20 12 03 24.2 51.10N 179.89E 7 3.5L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=43.7km s-min=17.4km az=0.0.
ISCJB Event type se. Error ellipse: s-maj=42.6km s-min=11.0km az=0.3.
NEIC Event type se. After AEIC.
ISC VII 25 00 29 25.6–.08 51.24N–.02 178.95E–.01 41 5.7b,5.5s 2008 0-160
BJI VII 25 00 29 20.5 51.25N 179.03E 23 6.0b,6.0b **¶13390023**
BGS VII 25 00 29 21.1–1.2 50.94N 178.58E 20–0 5.7b,5.3s
NEIC VII 25 00 29 23.0–.11 51.28N 178.98E 21 6.0,5.9W
MOS VII 25 00 29 22.0–.86 51.28N 179.07E 25 5.9b,5.4s
ISCJB VII 25 00 29 23.7–.09 51.16N–.02 178.98E–.01 40 5.7b,5.5s
IDC VII 25 00 29 24.7–1.4 51.38N 179.09E 31–8 5.5,5.5
GCMT VII 25 00 29 26.6–.10 51.12N 178.95E 22–0 5.9W,5.5
SZGRF VII 25 00 29 29.7 51.78N 177.39E 33 5.6s,5.5b
DJA VII 25 00 29 50 51.05N 178.98E 276 5.7W,5.5b
ISC Event type fe.
BGS Error ellipse: s-maj=101.5km s-min=312.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=1.8km az=181.0. Felt on Adak. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s155 Moment tensor: Scale 10^{17}Nm; M_{rr}3.53 $M_{\theta\theta}$-3.68 $M_{\phi\phi}$0.14 $M_{r\theta}$2.75 $M_{\theta\phi}$-0.51 $M_{\phi r}$1.73 Best double couple: NP1:ϕ_s67.00000°,δ66.00000°,λ76.00000°. NP2:ϕ_s278.00000°,δ27.00000°,λ118.00000°. Principal axes: T 4.9300,Plg65.0000°,Azm312.0000°; N -0.1000,Plg12.0000°,Azm72.0000°; P -4.8300,Plg20.0000°,Azm166.0000° $M_0$4.90000×10^{17}
MOS Error ellipse: s-maj=6.0km s-min=3.6km az=96.3.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.2km az=1.6.
IDC Error ellipse: s-maj=15.5km s-min=9.1km az=161.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=257, per= 50. Moment Tensor Solution. s106,c237; s69,c87; Moment tensor: Scale 10^{17}Nm; M_{rr}5.72±.06 $M_{\theta\theta}$-5.97±.05; $M_{\phi\phi}$0.25±.04; $M_{r\theta}$4.61±.10; $M_{\theta\phi}$-1.24±.04; $M_{\phi r}$1.90±.09; Best double couple: NP1:ϕ_s268.00000°,δ26.00000°,λ105.00000°. NP2:ϕ_s71.00000°,δ65.00000°,λ83.00000°. Principal axes: T 7.5900,Plg69.0000°,Azm328.0000°; N 0.3800,Plg6.0000°,Azm74.0000°; P -7.9700,Plg20.0000°,Azm167.0000° $M_0$7.80000×10^{17}
SZGRF Rat Islands, Aleutian Islands, United States.
NEIC VIII 03 08 25 40.7 51.47N 176.09E 25 3.7L,3.5L
IDC VIII 03 08 25 43.7–7.6 51.67N 177.74E 0 4.2L,3.8 **¶11907731**
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=149.4km s-min=60.2km az=89.0.
ISC VIII 05 14 04 31.6–5.1 51.3N–.30 175.2E–.10 26–32 3.9b 13 2-83
IDC VIII 05 14 04 26.8–2.4 51.12N 175.11E 0 3.9,3.7b **¶11907793**
ISCJB VIII 05 14 04 29.4–5.0 51.1N–.30 175.2E–.10 29–31 3.9b,3.7b
NEIC VIII 05 14 04 30.1–7.4 51.21N 175.14E 18–41 3.5L,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=74.0km s-min=23.7km az=9.0.
ISCJB Event type se. Error ellipse: s-maj=44.1km s-min=10.9km az=13.2.
NEIC Event type se. Error ellipse: s-maj=44.3km s-min=10.3km az=204.0.
ISC VIII 09 05 04 29.3–2.6 51.3N–.40 178.8E–.10 24–9 3.3b 12 0-60
IDC VIII 09 05 04 24.9–3.1 51.20N 178.87E 0 3.8L,3.6 **¶11907980**
ISCJB VIII 09 05 04 27.9–2.8 51.2N–.40 178.8E–.10 31–9 3.3b,3.6
NEIC VIII 09 05 04 28.9 51.21N 178.81E 13 2.9L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=76.2km s-min=34.7km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=59.6km s-min=11.7km az=179.8.
NEIC Event type se. After AEIC.
ISC VIII 14 21 57 34.0–1.1 50.2N–.20 179.7E–.10 35 4.0b 20 1-151
IDC VIII 14 21 57 27.6–1.5 49.93N 179.73E 0 4.2,4.1b **¶11908223**
ISCJB VIII 14 21 57 31.4–1.1 50.1N–.20 179.7E–.10 33 4.0b,4.1b
NEIC VIII 14 21 57 32.5 50.10N 179.70E 14 3.8L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=22.0km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=23.8km s-min=11.7km az=173.3.
NEIC Event type se. After AEIC.
ISC VIII 28 13 31 57.7–.83 51.15N–.08 179.12E–.06 43–6 4.4b,4.3s 119 0-145
MOS VIII 28 13 31 54.6–1.1 51.11N 179.18E 33 4.6b,4.3s **¶13392835**
BJI VIII 28 13 31 54.5 51.20N 179.10E 39 5.0b,4.7s
ISCJB VIII 28 13 31 55.8–.87 51.12N–.08 179.10E–.05 44–7 4.4b,4.3s
IDC VIII 28 13 31 56.9–5.5 51.23N 179.11E 35–43 4.1s,4.1
NEIC VIII 28 13 31 57.5–.78 51.21N 179.06E 39–6 4.3b,4.3L
ISC Event type se.
MOS Error ellipse: s-maj=11.6km s-min=8.4km az=85.6.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=5.3km az=170.5.
IDC Error ellipse: s-maj=23.2km s-min=12.2km az=162.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=4.8km az=174.0.
ISC VIII 31 08 16 52.9–1.3 51.5N–.30 179.7E–.10 31–11 3.7b 14 0-67
IDC VIII 31 08 16 46.9–2.2 51.29N 179.69E 0 4.0L,4.0 **¶11909161**
NEIC VIII 31 08 16 49.9 50.97N 179.61E 14 3.8L,3.4L
ISCJB VIII 31 08 16 51.9–1.4 51.4N–.30 179.7E–.10 46–10 3.7b,3.4L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC IX 07 02 18 13.6–.50 52.00N–.07 178.04E–.07 127–5 4.1b 69 1-149
ISCJB IX 07 02 18 12.5–.52 52.01N–.07 178.03E–.06 131–6 4.0b **¶13393637**
NEIC IX 07 02 18 14.2 51.91N 177.94E 133 4.4b
IDC IX 07 02 18 15.5–.72 52.08N 178.00E 144–5 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=5.8km az=163.4.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=15.0km s-min=8.5km az=161.0.
ISC IX 09 04 35 03.5–2.8 51.8N–.10 176.75E–.07 35–21 3.9b 24 2-145
IDC IX 09 04 34 57.8–.92 51.86N 176.68E 0 4.5L,4.2 **¶11909861**
NEIC IX 09 04 35 01.4 51.70N 176.69E 6 3.9L,3.7L
ISCJB IX 09 04 35 02.8–.81 51.9N–.10 176.80E–.07 46–8 3.9b,3.7L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC IX 10 01 29 23.7–.69 51.6N–.10 177.66E–.06 68–5 4.0b 38 1-84
IDC IX 10 01 29 14.4–1.0 51.62N 177.60E 0 4.4L,4.0 **¶11909920**
BJI IX 10 01 29 20.7 51.60N 177.60E 33 4.9b,4.7b
ISCJB IX 10 01 29 22.4–.68 51.7N–.10 177.69E–.06 72–5 4.0b,4.7b
NEIC IX 10 01 29 22.7 51.60N 177.63E 42 4.3L,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=16.2km az=180.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=5.4km az=10.8.
NEIC Event type se. After AEIC.
NEIC IX 12 09 33 10.8 51.37N 179.40E 50 3.5L ¶12952013
NEIC Event type se. After AEIC.
ISC IX 17 10 12 38.2–.59 52.2N–.10 177.90E–.10 98–7 3.7b 23 1-149
IDC IX 17 10 12 25.8–.81 52.04N 177.78E 0 3.9,3.8b **¶11910468**
ISCJB IX 17 10 12 37.0–.58 52.2N–.10 177.91E–.10 103–7 3.7b,3.8b
NEIC IX 17 10 12 39.0 51.85N 177.70E 108 3.2,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=19.5km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=7.2km az=21.6.
NEIC Event type se. After AEIC.
ISC X 16 21 49 52.1–.89 51.5N–.40 179.9E–.10 45–17 3.9b 14 0-59
IDC X 16 21 49 45.5–3.0 51.43N 179.83E 0 4.3,4.2b **¶12068832**
ISCJB X 16 21 49 51.0–.73 51.6N–.40 179.8E–.10 50–21 3.9b,4.2b
NEIC X 16 21 49 51.1 51.26N 179.96W 20 3.5L,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=79.4km s-min=27.8km az=0.0.
ISCJB Event type se. Error ellipse: s-maj=67.0km s-min=10.3km az=171.0.
NEIC Event type se. After AEIC.
ISC X 22 15 25 34.2–2.1 51.7N–.30 177.3E–.10 42–17 3.6b 15 2-61
IDC X 22 15 25 27.6–1.9 51.55N 177.21E 0 4.0,3.9L **¶12070804**
ISCJB X 22 15 25 31.7–2.6 51.5N–.40 177.3E–.20 40–18 3.6b,3.9L
NEIC X 22 15 25 33.6–2.3 51.49N 177.20E 43–17 3.6b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=64.0km s-min=22.9km az=180.0.
ISCJB Event type se. Error ellipse: s-maj=60.2km s-min=13.9km az=7.1.
NEIC Event type se. Error ellipse: s-maj=50.7km s-min=12.0km az=188.0.
ISC X 23 11 17 34.6–1.3 52.1N–.10 178.1E–.10 106–11 3.7b 43 3-90
ISCJB X 23 11 17 33.7–1.3 52.1N–.10 178.1E–.10 113–11 3.7b **¶12070885**
NEIC X 23 11 17 37.5 51.87N 177.85E 94 3.5
IDC X 23 11 17 37.5–4.5 52.09N 178.19E 135–41 3.7,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=11.4km az=167.0.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=18.7km s-min=14.2km az=172.0.
ISC XI 08 23 57 53.5–.82 51.1N–.10 178.55E–.09 35 3.7b 36 1-150
IDC XI 08 23 57 48.0–.92 51.00N 178.68E 0 3.9,3.8L **¶12072888**
ISCJB XI 08 23 57 51.1–.79 51.0N–.10 178.49E–.08 33 3.7b,3.8L
NEIC XI 08 23 57 51.7 51.02N 178.51E 8 3.4L,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=13.2km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=7.3km az=172.2.
NEIC Event type se. After AEIC.
ISC XI 13 18 48 36.1–.68 52.26N–.09 178.67E–.08 152–7 4.0b 43 1-85
ISCJB XI 13 18 48 35.2–.71 52.27N–.10 178.64E–.08 159–7 4.0b **¶12073439**
IDC XI 13 18 48 35.1–1.8 52.25N 178.71E 145–15 3.9,3.8s
NEIC XI 13 18 48 37.2 52.01N 178.64E 164 4.3b,3.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=8.1km az=172.3.
IDC Error ellipse: s-maj=22.5km s-min=9.7km az=166.0.
NEIC Event type se. After AEIC.
ISC XI 14 22 38 44.0–.95 51.17N–.05 178.42E–.03 23–6 4.7b,4.1s 500 1-150
ISCJB XI 14 22 38 39.9–1.1 51.08N–.05 178.42E–.03 10–6 4.7b,4.1s **¶13400203**
IDC XI 14 22 38 39.2–.50 51.04N 178.57E 0 4.5,4.5
TEH XI 14 22 38 42.0 51.16N 178.39E 10 4.5,4.5
BJI XI 14 22 38 43.1 51.33N 177.84E 16 5.0b,4.7b
MOS XI 14 22 38 43.0–.98 51.14N 178.48E 31 4.9b,4.7b
NEIC XI 14 22 38 43.9–1.1 51.14N 178.44E 26–7 4.7b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=2.8km az=3.3.
IDC Error ellipse: s-maj=16.0km s-min=10.4km az=169.0.
MOS Error ellipse: s-maj=8.9km s-min=6.5km az=95.9.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=3.1km az=178.0.
ISC XI 23 00 32 37.8–.56 51.94N–.09 179.20E–.09 100–6 3.6b 42 1-150
ISCJB XI 23 00 32 36.6–.57 51.98N–.09 179.19E–.09 105–6 3.6b **¶12074546**
IDC XI 23 00 32 38.2–2.2 51.98N 179.15E 104–18 3.7,3.6
NEIC XI 23 00 32 40.1 51.84N 179.27E 92 3.5,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=8.7km az=12.7.
IDC Error ellipse: s-maj=20.2km s-min=11.5km az=172.0.
NEIC Event type se. After AEIC.
IDC XII 03 17 12 19.1–3.4 50.97N 178.99E 0 3.7,3.4 ¶12075618
IDC Error ellipse: s-maj=96.3km s-min=35.5km az=177.0.
IDC XII 03 18 34 37.5–1.2 51.29N 178.34E 0 3.9s,3.9 ¶12075631
IDC Error ellipse: s-maj=45.2km s-min=25.7km az=162.0.
ISC XII 08 09 59 32.4–2.4 51.8N–.10 176.68E–.06 9–16 3.7b 51 2-84
IDC XII 08 09 59 30.6–.82 51.74N 176.83E 0 4.0L,3.9 **¶12076342**
ISCJB XII 08 09 59 33.3–1.9 51.8N–.10 176.73E–.06 29–14 3.7b,3.9
NEIC XII 08 09 59 34.7 51.81N 176.76E 10 3.9b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=10.9km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=5.4km az=11.9.
NEIC Event type se. After AEIC.
ISC XII 08 14 53 56.2–2.0 51.8N–.10 176.76E–.05 33–16 3.5b 40 2-84
IDC XII 08 14 53 50.8–.90 51.70N 176.90E 0 3.8L,3.8 **¶12076368**
ISCJB XII 08 14 53 55.2–.80 51.8N–.10 176.80E–.06 44–8 3.5b,3.8
NEIC XII 08 14 53 56.5–.53 51.88N 176.77E 38–6 3.7L,3.8
ISC Event type se.

IDC Error ellipse: s-maj=23.2km s-min=12.4km az=11.0.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=4.6km az=10.1.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=4.4km az=187.0.
ISC XII 09 09 17 16.5–2.5 51.4N–.20 178.42E–.06 2–17 3.8b 46 2-84
IDC XII 09 09 17 15.7–1.4 51.33N 178.69E 0 4.0,3.9 **¶12076502**
NEIC XII 09 09 17 17.9 50.83N 178.61E 29 3.5L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=12.8km az=4.0.
NEIC Event type se. After AEIC.
ISC XII 15 15 48 21.8–.44 51.80N–.06 178.56E–.03 77–3 4.4b 496 2-149
MOS XII 15 15 48 15.1–.88 51.73N 178.44E 33 4.6b **¶12077623**
BJI XII 15 15 48 17.5 51.98N 178.59E 62 5.1b,4.6s
IDC XII 15 15 48 18.9–.63 51.62N 178.53E 54–4 4.1,4.0
NEIC XII 15 15 48 18.8–.34 51.62N 178.44E 50 4.5b,4.5L
ISCJB XII 15 15 48 20.4–.47 51.75N–.06 178.55E–.03 83–3 4.4b,4.5L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
NEIC XII 20 04 33 41.5 51.69N 176.92E 15 3.6L
¶13837165
NEIC Event type se. After AEIC.
ISC XII 23 03 58 38.4–.89 52.6N–.10 175.57E–.09 113–5 4.1b 71 1-148
ISCJB XII 23 03 58 37.3–.89 52.6N–.10 175.56E–.09 119–5 4.1b **¶13403718**
IDC XII 23 03 58 37.9–1.2 52.56N 175.63E 110–9 3.9s,3.9
NEIC XII 23 03 58 37.8–.70 52.52N 175.62E 110–5 4.1b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=8.9km az=175.5.
IDC Error ellipse: s-maj=21.4km s-min=10.7km az=173.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=5.9km az=173.0.

(7) Andreanof Islands.

ISC VII 01 17 18 01.0–.47 52.94N–.08 175.94W–.07 203–5 3.9b 216 1-71
ISCJB VII 01 17 17 59.9–.47 52.91N–.08 175.95W–.07 209–4 3.9b **¶11006834**
BJI VII 01 17 18 00.5 52.70N 176.00W 213 4.6b,4.4b
NEIC VII 01 17 18 00.6–.58 52.72N 176.04W 213–7 4.1b,4.4b
IDC VII 01 17 18 05.4–1.4 52.86N 176.08W 257–9 3.8,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=6.7km az=179.5.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.3km az=171.0.
IDC Error ellipse: s-maj=32.4km s-min=12.6km az=21.0.
ISC VII 07 22 43 51.4–.10 51.96N–.02 177.06W–.02 70 5.1b 1109 1-161
MOS VII 07 22 43 45.7–.92 52.01N 177.02W 33 5.3b,4.3s **¶13388447**
DJA VII 07 22 43 46 52.16N 175.34W 77 5.4b,4.3s
BJI VII 07 22 43 48.5 52.41N 177.05W 60 5.4b,5.2b
ISCJB VII 07 22 43 49.5–.10 51.94N–.03 177.04W–.02 68 5.1b,5.2b
NEIC VII 07 22 43 50.8–.13 51.94N 177.06W 67 5.3b,5.2W
GCMT VII 07 22 43 51.8–.10 51.77N 176.95W 69–2 5.3W,5.2W
IDC VII 07 22 43 51.3–.36 51.96N 176.94W 72–2 4.8,4.8
SZGRF VII 07 22 44 01.6 53.75N 177.72W 79 5.0b,4.8
ISC Event type fe.
MOS Error ellipse: s-maj=7.0km s-min=4.5km az=89.4.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.5km az=2.9.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=2.1km az=180.0. Felt on Adak. Moment Tensor Solution. s20 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.36 $M_{\theta\theta}$2.74 $M_{\phi\phi}$0.62 $M_{r\theta}$-8.08 $M_{\theta\phi}$-1.90 $M_{\phi r}$-2.06 Best double couple: NP1:ϕ_s319.00000°,δ17.00000°,λ-34.00000°. NP2: ϕ_s82.00000°,δ81.00000°,λ-104.00000°. Principal axes: T 8.3500,Plg34.0000°,Azm183.0000° ; N 1.3400,Plg14.0000°,Azm83.0000°; P -9.6900,Plg52.0000°,Azm334.0000° M_θ9.10000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s76,c123; s99,c183; Moment tensor: Scale 10^{17}Nm; M_{rr}0.20±.02 $M_{\theta\theta}$-0.11±.03; $M_{\phi\phi}$-0.09±.02; $M_{r\theta}$-1.00±.02; $M_{\theta\phi}$-0.30±.02; $M_{\phi r}$-0.10±.02; Best double couple: NP1: ϕ_s10.00000°,δ17.00000°,λ19.00000°. NP2:ϕ_s262.00000°,δ85.00000°,λ106.00000°. Principal axes: T 1.0700,Plg48.0000°,Azm189.0000°; N -0.0100,Plg16.0000°,Azm81.0000° ; P -1.0600,Plg38.0000°,Azm338.0000° $M_0$1.10000×10^{17}
IDC Error ellipse: s-maj=11.0km s-min=7.5km az=166.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISC VII 12 00 01 27.0–.40 51.64N–.03 176.38W–.02 62–3 5.1b 982 0-156
DJA VII 12 00 01 16 51.72N 175.30W 5 5.5W **¶11109376**
BJI VII 12 00 01 20.8 51.78N 176.23W 36 5.4b,5.2b
SZGRF VII 12 00 01 20.8 50.79N 178.59W 33 4.7b,4.6s
MOS VII 12 00 01 21.9–.97 51.65N 176.37W 33 5.1b,4.6s
NEIC VII 12 00 01 22.7 51.36N 176.28W 21 5.4L,5.1b
IDC VII 12 00 01 23.6–1.6 51.66N 176.38W 35–11 5.0L,4.7
GCMT VII 12 00 01 24.5–.20 51.42N 176.18W 36–0 5.3W,4.7
ISCJB VII 12 00 01 24.8–.41 51.60N–.03 176.36W–.02 59–3 5.1b,4.7s
ISC Event type fe.
SZGRF Andreanof Islands, Aleutian Islands, United States.
NEIC Event type fe. Felt on Adak. After AEIC.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s89,c151; s92,c164; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s253.00000°,δ26.00000°,λ109.00000°. NP2:ϕ_s52.00000° ,δ65.00000°,λ81.00000°. Principal axes: T 0.9800,Plg68.0000°,Azm304.0000° ; N 0.0700,Plg8.0000°,Azm56.0000°; P -1.0500,Plg20.0000°,Azm149.0000° $M_0$1.00000×10^{17}
ISCJB Event type fe.
ISC VII 12 17 16 29.4–.49 51.84N–.07 178.39W–.04 74–4 4.2b 136 1-151
ISCJB VII 12 17 16 28.1–.51 51.91N–.07 178.40W–.04 78–4 4.2b **¶11133616**
IDC VII 12 17 16 29.6–.52 51.83N 178.34W 78–4 3.9,3.8
BJI VII 12 17 16 30.8 51.90N 179.25W 77 4.8b,4.7b
NEIC VII 12 17 16 30.4 51.60N 178.28W 68 4.4b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=3.7km az=175.6.
IDC Error ellipse: s-maj=14.9km s-min=9.6km az=177.0.
NEIC Event type se. After AEIC.
NEIC VII 15 18 21 17.9 51.71N 179.19W 4 3.7L
¶12951317
NEIC Event type se. After AEIC.
ISC VII 22 15 14 17.0–3.9 50.3N–.10 175.2W–.10 14–29 4.0b 17 2-63
IDC VII 22 15 13 59.8–10 48.07N 173.83W 0 3.8,3.7 **¶12698387**
ISCJB VII 22 15 14 14.0–3.3 50.2N–.10 175.1W–.10 17–27 4.0b,3.7
NEIC VII 22 15 14 17.8–6.3 50.37N 175.27W 16–37 3.4L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=246.4km s-min=31.4km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=11.8km az=153.5.
NEIC Event type se. Error ellipse: s-maj=34.2km s-min=9.7km az=166.0.
ISC VII 28 04 58 08.6–.59 51.7N–.10 179.09W–.06 10 3.6b 20 1-59
ISCJB VII 28 04 58 07.7–.52 51.88N–.10 179.13W–.06 10 3.7b **¶11812759**
IDC VII 28 04 58 08.4–2.1 51.92N 178.92W 0 3.8,3.7L
NEIC VII 28 04 58 08.4 51.71N 179.12W 5 3.9L,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=4.7km az=169.0.
IDC Error ellipse: s-maj=54.2km s-min=26.8km az=5.0.
NEIC Event type se. After AEIC.
ISC VII 28 13 06 44.4–.49 51.38N–.03 178.98W–.02 65–4 4.9b 947 1-155
SZGRF VII 28 13 06 36.1 51.25N 179.90E 33 5.0b **¶13390311**
IDC VII 28 13 06 40.6–1.9 51.43N 178.98W 31–12 4.7,4.7
MOS VII 28 13 06 40.9–.86 51.37N 178.97W 49 5.3b,4.3s
NEIC VII 28 13 06 41.0–.17 51.35N 179.04W 35 5.1L,5.0b
ISCJB VII 28 13 06 41.3–.48 51.30N–.04 178.99W–.02 54–4 5.0b,4.3s
GCMT VII 28 13 06 42.2–.30 51.16N 178.85W 35–0 5.1W,4.3s
BJI VII 28 13 06 43.8 51.53N 179.59W 58 5.2b,5.2b
ISC Event type se.
SZGRF Rat Islands, Aleutian Islands, United States.
IDC Error ellipse: s-maj=17.1km s-min=9.5km az=165.0.
MOS Error ellipse: s-maj=6.8km s-min=4.5km az=94.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=2.3km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=2.0km az=5.9.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s51,c74; s76,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}4.88±.20 $M_{\theta\theta}$-5.34±.15; $M_{\phi\phi}$0.46±.13; $M_{r\theta}$2.76±.17; $M_{\theta\phi}$-0.75±.09; $M_{\phi r}$1.14±.14; Best double couple: NP1:ϕ_s272.00000°,δ31.00000°,λ105.00000°. NP2:ϕ_s75.00000°,δ60.00000°,λ81.00000°. Principal axes: T 5.7400,Plg73.0000° ,Azm322.0000°; N 0.4500,Plg8.0000°,Azm79.0000°; P -6.1900,Plg15.0000°,Azm171.0000° $M_0$6.00000×10^{16}
ISC VIII 01 18 37 18.6–.58 52.6N–.10 174.00W–.10 199–5 4.0b 47 0-66
ISCJB VIII 01 18 37 17.2–.57 52.6N–.10 174.06W–.10 206–5 4.0b **¶11154077**
NEIC VIII 01 18 37 18.1–.60 52.57N 174.14W 206–6 4.6b
IDC VIII 01 18 37 20.8–7.2 53.16N 174.17W 211–37 3.8,3.6
BJI VIII 01 18 37 25.0 52.59N 173.72W 225 4.5b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=7.9km az=162.6.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=7.9km az=161.0.
IDC Error ellipse: s-maj=77.2km s-min=43.0km az=82.0.
ISC VIII 02 19 40 04.7–1.8 51.26N–.07 174.05W–.06 26–10 4.5b,3.8s 138 1-153
ISCJB VIII 02 19 40 01.9–1.6 51.17N–.07 174.04W–.06 21–9 4.5b,3.8s **¶11160912**
BJI VIII 02 19 40 05.5 51.80N 174.97W 20 4.8b,4.7b
NEIC VIII 02 19 40 07.4–.54 51.39N 174.07W 45 4.5b,3.6L
IDC VIII 02 19 40 07.2–1.0 51.46N 173.94W 44–6 4.3L,4.0
SZGRF VIII 02 19 40 16.6 52.83N 175.73W 46 4.7b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=5.7km az=172.5.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.5km az=163.0.
IDC Error ellipse: s-maj=25.2km s-min=16.8km az=166.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISC VIII 03 22 18 53.3–4.0 51.2N–.10 174.06W–.10 30–31 3.9b 12 1-63
NEIC VIII 03 22 18 53.6 51.29N 174.12W 22 3.0L **¶11907748**
IDC VIII 03 22 19 00.7–6.4 52.91N 175.32W 0 4.1L,3.9
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=152.1km s-min=28.3km az=170.0.
ISC VIII 06 14 04 43.6–.81 51.7N–.10 175.79W–.07 59–7 3.8b 40 0-152
ISCJB VIII 06 14 04 42.1–.84 51.7N–.10 175.79W–.07 62–7 3.8b **¶11907827**
NEIC VIII 06 14 04 43.0–.46 51.61N 175.82W 56 4.0b,3.8L
IDC VIII 06 14 04 43.3–.85 51.94N 175.84W 56–8 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=5.6km az=166.5.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=5.4km az=164.0.
IDC Error ellipse: s-maj=24.4km s-min=15.6km az=170.0.
ISC VIII 06 23 37 42.0–.78 52.1N–.10 175.46W–.09 10 3.9b 18 1-87
ISCJB VIII 06 23 37 40.4–.75 52.1N–.10 175.53W–.09 10 3.9b **¶11907841**
NEIC VIII 06 23 37 40.2 52.11N 175.46W 5 3.9b,3.6L
IDC VIII 06 23 37 40.6–1.1 52.15N 175.78W 0 4.0,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=7.3km az=171.4.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=36.7km s-min=21.2km az=178.0.
ISC VIII 07 00 11 00.2–2.1 52.2N–.30 175.4W–.20 10 3.7b 8 1-62
NEIC VIII 07 00 10 57.1 52.15N 175.51W 8 3.0L **¶11907843**
ISCJB VIII 07 00 10 58.2–2.1 52.3N–.20 175.4W–.20 10 3.7b
IDC VIII 07 00 10 59.3–2.7 52.45N 175.59W 0 3.7,3.5L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=36.9km s-min=11.4km az=18.5.
IDC Error ellipse: s-maj=69.5km s-min=31.4km az=4.0.
NEIC VIII 07 01 23 20.2 52.18N 175.47W 14 3.6L
IDC VIII 07 01 23 15.9–2.2 52.22N 176.61W 0 4.0,3.8L **¶11907847**
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=59.5km s-min=28.4km az=11.0.
NEIC VIII 07 02 18 07.5 52.11N 175.46W 4 4.1L,3.5L
¶12099738
NEIC Event type se. After AEIC.
ISC VIII 07 02 54 10.6–.89 52.25N–.09 175.55W–.06 2–7 4.1b 37 0-148
NEIC VIII 07 02 54 09.8 52.16N 175.47W 6 4.4L,4.2b **¶11907851**
ISCJB VIII 07 02 54 10.3–.84 52.30N–.09 175.58W–.06 15–8 4.1b,4.2b
IDC VIII 07 02 54 17.0–8.2 52.33N 175.69W 54–74 4.0L,3.9
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=4.8km az=163.7.
IDC Error ellipse: s-maj=41.4km s-min=20.9km az=8.0.
ISC VIII 07 03 21 25.4–.57 52.1N–.10 175.50W–.07 10 3.4b 15 0-57
IDC VIII 07 03 21 15.5–7.4 52.12N 177.59W 0 4.0,4.0L **¶11907855**
ISCJB VIII 07 03 21 24.2–.57 52.3N–.10 175.53W–.08 10 3.4b,4.0L
NEIC VIII 07 03 21 24.1 52.10N 175.47W 3 3.5L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=141.9km s-min=60.9km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=4.9km az=161.9.
NEIC Event type se. After AEIC.
ISC VIII 07 04 13 29.9–.82 52.1N–.20 175.47W–.06 8–6 3.8b 16 0-87
NEIC VIII 07 04 13 28.6 52.10N 175.46W 4 3.6L **¶11907857**
IDC VIII 07 04 13 28.7–1.1 52.10N 175.68W 0 4.2L,4.0
ISCJB VIII 07 04 13 29.4–1.1 52.3N–.20 175.54W–.08 15–12 3.8b,4.0
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 07 04 21 00.2–.71 52.1N–.20 175.47W–.07 11–9 3.5b 13 0-57
IDC VIII 07 04 20 53.7–7.1 52.34N 177.10W 0 4.0,3.7L **¶11907858**
NEIC VIII 07 04 20 59.3 52.09N 175.45W 5 3.4L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=134.0km s-min=59.7km az=101.0.
NEIC Event type se. After AEIC.
ISC VIII 07 04 33 54.0–.91 52.2N–.10 175.50W–.07 7–9 3.9b,3.2s 18 0-88
NEIC VIII 07 04 33 53.0 52.08N 175.45W 5 4.1L,3.8L **¶11907859**
ISCJB VIII 07 04 33 53.4–1.0 52.30N–.09 175.54W–.07 14–8 3.9b,3.2s
IDC VIII 07 04 33 53.9–1.3 52.29N 175.79W 0 4.0,3.8b
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=6.5km az=164.9.
IDC Error ellipse: s-maj=40.6km s-min=22.7km az=180.0.
ISC VIII 07 05 26 49.3–.45 52.1N–.10 175.60W–.07 10 4.2b,3.5s 37 0-87
BJI VIII 07 05 26 45.6 52.10N 175.50W 6 4.9b,4.7s **¶11652827**
NEIC VIII 07 05 26 46.7 52.10N 175.46W 6 4.4b,4.2L
ISCJB VIII 07 05 26 47.3–.40 52.20N–.09 175.56W–.06 10 4.2b,3.5s
IDC VIII 07 05 26 47.3–1.1 52.27N 175.68W 0 4.1,3.9
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=4.4km az=163.8.
IDC Error ellipse: s-maj=34.3km s-min=21.0km az=172.0.
ISC VIII 07 05 48 57.3–.18 52.21N–.05 175.52W–.03 10 4.3b,4.1s 276 0-92
BJI VIII 07 05 48 54.0 52.20N 175.50W 10 4.9b,4.6s **¶11652828**
ISCJB VIII 07 05 48 55.6–.17 52.26N–.05 175.52W–.03 10 4.3b,4.1s
NEIC VIII 07 05 48 56.6–.35 52.18N 175.53W 10 4.7L,4.4b
MOS VIII 07 05 48 58.4–1.5 52.19N 175.52W 33 4.5b,4.4b
IDC VIII 07 05 49 04.5–6.5 52.38N 175.40W 65–58 4.3L,4.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=2.7km az=168.3.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.0km az=167.0.
MOS Error ellipse: s-maj=12.1km s-min=9.8km az=53.2.
IDC Error ellipse: s-maj=30.3km s-min=15.3km az=9.0.
ISC VIII 07 05 53 00.4–.64 52.1N–.20 175.50W–.09 10 3.7b 15 1-57
IDC VIII 07 05 52 49.8–1.7 52.05N 177.73W 0 4.0L,4.0 **¶11907860**
NEIC VIII 07 05 52 58.7 52.10N 175.46W 5 3.5L,3.5L
ISCJB VIII 07 05 52 59.3–.59 52.2N–.10 175.53W–.08 10 3.7b,3.5L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 07 06 01 10.5–.45 52.22N–.09 175.53W–.06 10 4.0b,3.2s 29 1-62
NEIC VIII 07 06 01 08.9 52.09N 175.45W 5 4.4L,3.9b **¶11907861**
IDC VIII 07 06 01 08.6–2.2 52.06N 175.80W 0 4.3,4.2L
ISCJB VIII 07 06 01 09.0–.44 52.32N–.08 175.55W–.07 10 4.0b,3.2s
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 07 06 58 41.1–.81 52.2N–.20 175.48W–.08 10 3.1b 10 0-57
IDC VIII 07 06 58 32.8–7.6 52.48N 177.96W 0 3.7,3.7L **¶11907863**

ISCJB VIII 07 06 58 40.4–.87 52.3N–.10 175.52W–.09 10 3.1b,3.7L
NEIC VIII 07 06 58 40.6 52.10N 175.46W 5 3.0L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=144.5km s-min=64.0km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=5.7km az=165.6.
NEIC Event type se. After AEIC.
IDC VIII 07 07 17 15.2–8.2 52.42N 178.26W 0 3.8,3.7L
¶12580953
IDC Error ellipse: s-maj=152.7km s-min=65.3km az=98.0.
NEIC VIII 07 07 24 14.3 52.10N 175.46W 5 3.0L
IDC VIII 07 07 24 11.6–7.3 52.93N 176.81W 0 3.7,3.4 **¶11907865**
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=137.0km s-min=62.8km az=104.0.
ISC VIII 07 07 31 23.5–.81 52.1N–.20 175.43W–.07 6–8 4.0s,4.0b 11 0-92
IDC VIII 07 07 31 14.4–6.0 51.77N 177.17W 0 4.5,4.3L **¶11907866**
NEIC VIII 07 07 31 22.4 52.10N 175.46W 6 3.6L,4.3L
ISCJB VIII 07 07 31 23.1–1.1 52.2N–.20 175.46W–.09 13–9 4.0s,4.0b
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 07 07 38 49.7–.90 52.0N–.20 175.45W–.06 10 3.2b 10 0-57
IDC VIII 07 07 38 44.0–7.4 51.92N 176.58W 0 3.7,3.5L **¶11907867**
NEIC VIII 07 07 38 48.5 52.10N 175.46W 6 3.2L,3.5L
ISCJB VIII 07 07 38 49.2–.88 52.0N–.20 175.44W–.06 10 3.2b,3.5L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 07 07 40 10.0–.70 52.12N–.07 175.48W–.04 4–4 4.2b,3.9s 243 0-148
NEIC VIII 07 07 40 08.9 52.10N 175.46W 5 4.4b,4.1L **¶11652829**
IDC VIII 07 07 40 08.9–.75 52.17N 175.59W 0 4.4L,4.2
ISCJB VIII 07 07 40 10.0–.67 52.16N–.07 175.50W–.05 16–5 4.2b,3.9s
BJI VIII 07 07 40 12.7 52.58N 176.35W 8 5.0b,4.6s
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=26.6km s-min=14.1km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=4.2km az=169.1.
ISC VIII 07 08 51 29.8–.55 52.1N–.10 175.51W–.07 10 3.9b 19 0-87
ISCJB VIII 07 08 51 28.6–.49 52.25N–.09 175.55W–.07 10 3.9b **¶11907869**
NEIC VIII 07 08 51 28.1 52.10N 175.46W 5 4.2b,3.7L
IDC VIII 07 08 51 29.1–1.1 52.23N 175.58W 0 4.0L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=4.9km az=162.0.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=39.9km s-min=23.7km az=4.0.
ISC VIII 07 08 55 57.4–1.2 52.0N–.10 175.43W–.06 2–8 3.5b 14 0-87
IDC VIII 07 08 55 55.9–2.0 52.45N 176.10W 0 3.9,3.6 **¶11907870**
NEIC VIII 07 08 55 56.8 52.10N 175.46W 5 3.4L,3.6
ISCJB VIII 07 08 55 57.4–1.6 52.1N–.20 175.5W–.10 13–11 3.5b,3.6
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 07 09 08 28.9–.64 52.2N–.10 175.7W–.10 10 3.7b 17 0-87
NEIC VIII 07 09 08 25.9 52.10N 175.46W 5 3.9L **¶11165597**
ISCJB VIII 07 09 08 27.2–.59 52.3N–.10 175.6W–.10 10 3.7b
IDC VIII 07 09 08 28.4–1.1 52.42N 175.63W 0 4.0L,3.9
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=5.9km az=149.1.
IDC Error ellipse: s-maj=34.8km s-min=20.1km az=178.0.
ISC VIII 07 09 08 37.6–1.0 52.32N–.05 175.52W–.04 4–6 4.4b,3.8s 413 1-148
ISCJB VIII 07 09 08 36.2–.95 52.34N–.05 175.51W–.04 6–6 4.4b,3.8s **¶13391065**
IDC VIII 07 09 08 36.8–.61 52.39N 175.44W 0 4.7L,4.3
NEIC VIII 07 09 08 38.6–.29 52.32N 175.58W 10 4.5b,4.3
BJI VIII 07 09 08 43.5 53.12N 176.19W 10 5.0b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.9km az=171.2.
IDC Error ellipse: s-maj=20.4km s-min=12.3km az=176.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.7km az=171.0.
ISC VIII 07 09 16 52.3–1.1 51.9N–.10 175.41W–.06 10–7 3.4b 14 0-87
NEIC VIII 07 09 16 51.8 52.10N 175.46W 6 3.9b,3.3L **¶11907873**
ISCJB VIII 07 09 16 52.6–.85 52.0N–.20 175.45W–.08 25–7 3.4b,3.3L
IDC VIII 07 09 16 53.6–1.7 51.84N 174.84W 0 3.7,3.5L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=29.2km s-min=6.3km az=170.1.
IDC Error ellipse: s-maj=75.5km s-min=28.3km az=144.0.
ISC VIII 07 09 45 28.7–.60 52.2N–.10 175.49W–.07 10 4.0s,4.0b 29 1-96
ISCJB VIII 07 09 45 27.3–.57 52.35N–.09 175.54W–.07 10 4.0s,4.0b **¶11907875**
NEIC VIII 07 09 45 28.8 52.10N 175.46W 14 4.1b,3.7L
IDC VIII 07 09 45 29.1–.89 52.38N 176.09W 0 4.7L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=6.0km az=169.1.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=28.9km s-min=16.8km az=177.0.
ISC VIII 07 10 12 01.8–1.3 52.15N–.05 175.60W–.04 7–7 4.5b,4.3s 491 1-148
ISCJB VIII 07 10 11 60.0–1.1 52.18N–.05 175.61W–.04 7–6 4.5b,4.3s **¶11165598**
NEIC VIII 07 10 12 03.0–.32 52.27N 175.73W 10 5.1L,4.6b
BJI VIII 07 10 12 03.1 52.60N 176.22W 8 4.8b,4.6s
MOS VIII 07 10 12 04.5–.98 52.27N 175.68W 33 4.8b,4.6s
GCMT VIII 07 10 12 04.2–.30 52.19N 175.53W 12 5.0W,4.6s
IDC VIII 07 10 12 04.7–3.4 52.28N 175.60W 21–20 4.4L,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=3.6km az=2.9.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.0km az=176.0.
MOS Error ellipse: s-maj=10.8km s-min=8.6km az=45.8.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s15,c16; s66,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.12 $M_{\theta\theta}$1.69±.12; $M_{\phi\phi}$-1.23±.11; $M_{r\theta}$0.22±.31; $M_{\theta\phi}$-2.46±.09; $M_{\phi r}$-2.65±.33; Best double couple: NP1:ϕ_s79.00000°,δ48.00000°,λ-172.00000°. NP2:ϕ_s343.00000°,δ84.00000°,λ-42.00000°. Principal axes: T 3.7400,Plg23.0000° ,Azm38.0000°; N 0.3400,Plg47.0000°,Azm156.0000°; P -4.0900,Plg33.0000°,Azm292.0000° M_o3.90000×10^{16}
IDC Error ellipse: s-maj=20.9km s-min=11.5km az=176.0.
IDC VIII 07 11 07 02.3–7.9 52.32N 178.76W 0 3.8L,3.5
¶12580955
IDC Error ellipse: s-maj=151.9km s-min=63.6km az=100.0.
ISC VIII 07 11 17 01.7–.74 52.26N–.05 175.63W–.04 17–4 4.4b,4.0s 435 0-148
ISCJB VIII 07 11 17 00.0–.75 52.30N–.05 175.61W–.03 15–5 4.4b,4.0s **¶11180485**
BJI VIII 07 11 17 00.8 52.13N 176.51W 10 4.7b,4.5s
NEIC VIII 07 11 17 01.3–1.4 52.32N 175.74W 12–9 4.9L,4.6L
MOS VIII 07 11 17 02.6–1.5 52.39N 175.72W 33 4.7b,4.6L
IDC VIII 07 11 17 02.5–3.3 52.27N 175.62W 24–20 4.6L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.4km az=172.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.8km az=168.0.
MOS Error ellipse: s-maj=11.3km s-min=8.6km az=137.2.
IDC Error ellipse: s-maj=20.8km s-min=11.6km az=173.0.
IDC VIII 07 11 32 10.9–7.5 52.36N 174.59W 0 3.8,3.5L
¶12580956
IDC Error ellipse: s-maj=139.9km s-min=56.9km az=100.0.
ISC VIII 07 11 51 09.7–.83 52.2N–.10 175.48W–.09 10 4.0b 19 0-62
NEIC VIII 07 11 51 06.9 52.10N 175.46W 5 3.3L **¶11907878**
IDC VIII 07 11 51 08.0–2.3 52.23N 175.86W 0 4.1,3.9L
ISCJB VIII 07 11 51 08.2–.77 52.2N–.10 175.49W–.09 10 4.0b,3.9L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 07 11 52 19.2–.70 52.1N–.20 175.45W–.08 10 3.7b 13 0-100
NEIC VIII 07 11 52 16.6 52.10N 175.46W 5 3.2L **¶11907879**
ISCJB VIII 07 11 52 17.9–.66 52.2N–.20 175.48W–.08 10 3.7b
IDC VIII 07 11 52 19.1–1.2 52.18N 175.49W 0 4.0,3.9L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=24.4km s-min=6.8km az=172.1.
IDC Error ellipse: s-maj=39.8km s-min=24.5km az=170.0.
ISC VIII 07 12 02 08.3–1.2 52.1N–.10 175.48W–.08 2–9 3.6b,3.3s 16 0-87
NEIC VIII 07 12 02 07.3 52.10N 175.46W 9 3.9b,3.3L **¶11907880**
IDC VIII 07 12 02 07.6–1.7 52.06N 175.81W 0 3.9,3.9L
ISCJB VIII 07 12 02 08.1–1.5 52.1N–.10 175.49W–.09 12–12 3.6b,3.3s
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 07 12 23 39.7–.87 52.1N–.20 175.47W–.08 10 3.4b 12 0-57
IDC VIII 07 12 23 28.8–7.4 52.42N 178.06W 0 4.1L,3.9 **¶11907881**
ISCJB VIII 07 12 23 38.6–.74 52.3N–.10 175.51W–.09 10 3.4b,3.9
NEIC VIII 07 12 23 38.5 52.21N 175.48W 7 3.4L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=139.1km s-min=62.3km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=7.4km az=169.6.
NEIC Event type se. After AEIC.
ISC VIII 07 12 49 32.7–.76 52.25N–.04 175.66W–.03 12–4 4.6b,4.5s 470 0-148
BJI VIII 07 12 49 29.1 52.65N 175.42W 11 4.9s,4.9b **¶13391074**
ISCJB VIII 07 12 49 31.2–.73 52.29N–.04 175.66W–.03 13–4 4.6b,4.5s
NEIC VIII 07 12 49 33.1–1.1 52.28N 175.81W 15–7 4.9L,4.7b
MOS VIII 07 12 49 33.8–1.2 52.24N 175.77W 33 4.9b,4.7b
GCMT VIII 07 12 49 34.4–.30 52.27N 175.54W 12 5.0W,4.7b
IDC VIII 07 12 49 35.2–2.8 52.26N 175.56W 35–21 4.7L,4.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.2km az=177.8.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.4km az=174.0.
MOS Error ellipse: s-maj=9.2km s-min=8.0km az=81.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s29,c37; s69,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}0.27±.10 $M_{\theta\theta}$2.23±.10; $M_{\phi\phi}$-2.50±.07; $M_{r\theta}$0.78±.26; $M_{\theta\phi}$-1.72±.08; $M_{\phi r}$-2.68±.22; Best double couple: NP1:ϕ_s65.00000°,δ46.00000°,λ179.00000°. NP2:ϕ_s156.00000°,δ89.00000°,λ44.00000°. Principal axes: T 3.7200,Plg30.0000° ,Azm29.0000°; N 0.6000,Plg46.0000°,Azm157.0000°; P -4.3200,Plg28.0000°,Azm281.0000° M_o4.00000×10^{16}
IDC Error ellipse: s-maj=19.6km s-min=11.9km az=177.0.
ISC VIII 07 12 51 49.2–1.1 52.1N–.10 175.52W–.07 5–7 4.1b 31 0-148
NEIC VIII 07 12 51 48.1 52.09N 175.44W 5 4.4b,4.2L **¶11907883**
IDC VIII 07 12 51 48.7–.78 52.19N 175.71W 0 4.4L,4.4s
ISCJB VIII 07 12 51 49.3–1.2 52.2N–.10 175.55W–.07 15–8 4.1b,4.4s
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 07 13 03 20.7–1.2 52.1N–.20 175.48W–.10 8–9 3.4b 10 0-87
IDC VIII 07 13 03 18.9–2.1 52.42N 176.38W 0 3.7,3.5L **¶11907884**
ISCJB VIII 07 13 03 20.5–1.2 52.2N–.20 175.5W–.10 18–12 3.4b,3.5L
NEIC VIII 07 13 03 20.4–1.4 52.02N 175.45W 7–9 3.0L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=82.3km s-min=31.6km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=35.3km s-min=8.8km az=169.2.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=8.4km az=169.0.
NEIC VIII 07 13 04 44.1–1.6 51.99N 175.46W 10 2.9L
IDC VIII 07 13 04 36.2–7.6 51.88N 176.92W 0 3.7,3.5L **¶11907885**
NEIC Event type se. Error ellipse: s-maj=39.5km s-min=11.3km az=181.0.
IDC Error ellipse: s-maj=142.9km s-min=60.3km az=99.0.
IDC VIII 07 13 15 01.6–1.4 52.04N 175.43W 0 3.7,3.5b
¶12580957
IDC Error ellipse: s-maj=41.5km s-min=25.5km az=161.0.
ISC VIII 07 13 31 16.1–1.2 52.2N–.10 175.55W–.08 3–10 3.9b,3.4s 23 0-87
IDC VIII 07 13 31 15.4–.98 52.33N 175.77W 0 4.1,3.9L **¶11907888**
ISCJB VIII 07 13 31 16.4–1.4 52.2N–.10 175.59W–.07 15–10 3.9b,3.4s
NEIC VIII 07 13 31 16.6–1.1 52.09N 175.55W 12–8 4.1b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=17.4km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=7.2km az=172.9.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=6.8km az=166.0.
ISC VIII 07 13 52 55.2–1.1 52.1N–.10 175.47W–.09 8–8 3.7b 12 0-87
IDC VIII 07 13 52 53.1–2.0 52.27N 175.93W 0 3.9,3.7 **¶11907889**
ISCJB VIII 07 13 52 55.0–1.1 52.2N–.10 175.51W–.10 19–11 3.7b,3.7
NEIC VIII 07 13 52 55.0–1.4 52.04N 175.46W 7–9 3.7b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=96.2km s-min=31.6km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=8.4km az=166.2.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=8.5km az=164.0.
ISC VIII 07 13 57 01.1–1.2 52.2N–.20 175.48W–.10 6–11 3.5b 12 0-87
IDC VIII 07 13 56 57.0–1.8 52.19N 176.15W 0 3.8,3.6b **¶11907890**
ISCJB VIII 07 13 57 00.9–.99 52.1N–.20 175.5W–.10 22–9 3.5b,3.6b
NEIC VIII 07 13 57 00.9–1.2 52.16N 175.44W 2–12 3.6b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=74.2km s-min=30.6km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=32.7km s-min=8.4km az=168.0.
NEIC Event type se. Error ellipse: s-maj=32.7km s-min=8.1km az=167.0.
ISC VIII 07 14 20 15.7–1.2 52.1N–.20 175.47W–.09 10 3.4b 10 0-57
IDC VIII 07 14 20 10.9–7.6 52.25N 176.89W 0 3.7,3.5L **¶11907891**
ISCJB VIII 07 14 20 15.0–.85 52.2N–.20 175.51W–.09 10 3.4b,3.5L
NEIC VIII 07 14 20 15.9–1.3 52.03N 175.50W 10 3.1L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=141.6km s-min=63.3km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=28.6km s-min=7.3km az=171.8.
NEIC Event type se. Error ellipse: s-maj=37.9km s-min=9.8km az=172.0.
ISC VIII 07 14 34 14.2–1.1 52.1N–.10 175.50W–.08 4–8 3.8b 20 0-87
ISCJB VIII 07 14 34 13.6–1.3 52.2N–.10 175.51W–.07 11–8 3.8b **¶11907895**
IDC VIII 07 14 34 13.5–1.1 52.12N 175.62W 0 3.9L,3.9
NEIC VIII 07 14 34 14.0–.97 52.07N 175.48W 3–6 4.1b,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=6.1km az=169.3.
IDC Error ellipse: s-maj=39.2km s-min=25.6km az=179.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=5.7km az=168.0.
ISC VIII 07 14 44 34.0–1.1 52.1N–.10 175.54W–.08 5–7 4.0b,3.9s 22 0-92
IDC VIII 07 14 44 32.3–1.1 52.18N 175.96W 0 4.0,3.9s **¶11907896**
ISCJB VIII 07 14 44 33.8–1.1 52.2N–.10 175.57W–.09 15–10 4.0b,3.9s
NEIC VIII 07 14 44 34.1–1.3 52.06N 175.56W 8–8 4.0b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=19.7km az=178.0.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=7.2km az=166.5.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=7.6km az=167.0.
ISC VIII 07 14 47 15.7–1.2 52.31N–.09 175.63W–.06 1–8 4.2b,3.9s 49 0-88
NEIC VIII 07 14 47 15.7 52.10N 175.46W 6 4.5L,4.3b **¶11907897**
IDC VIII 07 14 47 15.1–.85 52.33N 175.83W 0 4.2,4.1
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=26.8km s-min=15.3km az=175.0.
ISC VIII 07 15 00 24.2–.85 52.23N–.09 175.47W–.06 5–6 3.9b,3.4s 38 0-88
ISCJB VIII 07 15 00 23.5–.92 52.27N–.08 175.48W–.05 12–6 3.9b,3.4s **¶11907898**
NEIC VIII 07 15 00 23.8–1.1 52.22N 175.50W 3–8 4.1b,3.9L
IDC VIII 07 15 00 23.6–1.1 52.33N 175.53W 0 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=4.9km az=167.1.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=5.8km az=164.0.
IDC Error ellipse: s-maj=31.6km s-min=16.7km az=3.0.
ISC VIII 07 15 14 59.5–1.3 52.0N–.10 175.51W–.05 11–6 4.1b 28 0-87
BJI VIII 07 15 14 57.3 52.10N 175.60W 12 4.8b,4.7b **¶11652832**
IDC VIII 07 15 14 57.7–1.2 52.14N 175.59W 0 4.0,3.9L
ISCJB VIII 07 15 14 59.6–.66 52.2N–.10 175.55W–.07 23–6 4.1b,3.9L
NEIC VIII 07 15 14 60.0–1.2 52.13N 175.57W 12–9 4.2b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=22.0km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=25.2km s-min=5.6km az=170.3.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=7.7km az=168.0.
ISC VIII 07 15 27 20.1–.20 52.18N–.06 175.62W–.03 10 4.4b,4.0s 289 0-92
IDC VIII 07 15 27 17.5–.80 52.05N 175.41W 0 4.5L,4.3 **¶11180487**

ISCJB VIII 07 15 27 18.3–.20 52.24N–.06 175.62W–.03 10 4.4b,4.0s
NEIC VIII 07 15 27 19.7–.38 52.27N 175.60W 10 4.5b,4.4L
BJI VIII 07 15 27 19.6 52.13N 176.31W 10 4.9b,4.6b
MOS VIII 07 15 27 22.2–1.5 52.27N 175.56W 33 4.5b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=13.7km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=2.9km az=179.2.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.7km az=169.0.
MOS Error ellipse: s-maj=11.1km s-min=9.3km az=68.8.
IDC VIII 07 15 43 56.1–1.6 52.26N 177.00W 0 3.8L,3.7
¶12580961
IDC Error ellipse: s-maj=56.2km s-min=29.0km az=138.0.
ISC VIII 07 16 01 21.8–.79 52.15N–.10 175.52W–.05 7–5 4.2b,3.6s 49 0-87
BJI VIII 07 16 01 19.3 52.10N 175.60W 10 4.6b,4.6b **¶11159907**
IDC VIII 07 16 01 20.7–.85 52.24N 175.81W 0 4.2,4.2L
ISCJB VIII 07 16 01 21.3–.79 52.24N–.10 175.55W–.06 15–7 4.2b,3.6s
NEIC VIII 07 16 01 22.4–.68 52.15N 175.56W 10 4.3b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=14.1km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=4.4km az=166.1.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=8.1km az=163.0.
IDC VIII 07 16 33 03.5–2.0 52.41N 175.27W 0 3.9,3.6b
¶12580963
IDC Error ellipse: s-maj=74.9km s-min=35.8km az=146.0.
ISC VIII 07 16 44 24.2–1.0 52.3N–.20 175.46W–.10 10 3.1b 8 0-56
IDC VIII 07 16 44 14.5–7.5 52.16N 177.36W 0 3.8L,3.7 **¶11907904**
ISCJB VIII 07 16 44 22.9–1.1 52.4N–.10 175.5W–.10 10 3.1b,3.7
NEIC VIII 07 16 44 23.3 52.10N 175.46W 13 2.6L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=143.2km s-min=60.8km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=9.4km az=172.4.
NEIC Event type se. After AEIC.
ISC VIII 07 16 45 21.6–.76 52.0N–.10 175.46W–.06 10 3.7b 22 0-87
ISCJB VIII 07 16 45 19.9–.77 52.0N–.10 175.44W–.06 10 3.7b **¶11907905**
IDC VIII 07 16 45 20.2–1.0 51.83N 175.49W 0 3.9,3.7L
NEIC VIII 07 16 45 20.1–1.7 52.26N 175.45W 3–13 3.4L,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=5.0km az=177.3.
IDC Error ellipse: s-maj=40.6km s-min=18.2km az=165.0.
NEIC Event type se. Error ellipse: s-maj=30.1km s-min=9.6km az=164.0.
IDC VIII 07 16 45 33.0–.99 52.22N 175.69W 0 4.6L,4.1
¶12580964
IDC Error ellipse: s-maj=30.3km s-min=18.9km az=176.0.
ISC VIII 07 16 49 21.7–.82 52.4N–.10 175.35W–.09 10 3.6b 10 1-88
ISCJB VIII 07 16 49 20.3–.82 52.48N–.10 175.37W–.10 10 3.6b **¶11907907**
NEIC VIII 07 16 49 21.3 51.94N 175.27W 14 3.3L
IDC VIII 07 16 49 21.5–1.3 52.65N 175.40W 0 3.6L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=8.5km az=1.5.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=48.7km s-min=24.1km az=164.0.
ISC VIII 07 17 56 13.5–.92 52.0N–.20 175.48W–.09 10 3.4b 12 0-87
IDC VIII 07 17 56 11.5–1.8 52.26N 176.12W 0 3.8,3.6 **¶11907909**
ISCJB VIII 07 17 56 12.1–.89 52.0N–.20 175.47W–.09 10 3.4b,3.6
NEIC VIII 07 17 56 13.1–.92 51.97N 175.48W 10 3.0L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=73.4km s-min=27.4km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=6.9km az=169.3.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=8.8km az=170.0.
ISC VIII 07 17 56 52.5–1.2 52.2N–.10 175.55W–.07 0–9 4.0b,3.2s 22 0-88
IDC VIII 07 17 56 51.7–1.1 52.25N 175.69W 0 4.2,4.0L **¶11907910**
ISCJB VIII 07 17 56 52.5–2.7 52.27N–.09 175.56W–.07 13–19 4.0b,3.2s
NEIC VIII 07 17 56 53.6–.52 52.21N 175.58W 10 4.2b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=19.9km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=7.0km az=170.4.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.2km az=163.0.
ISC VIII 07 18 08 30.0–.87 52.2N–.20 175.48W–.09 10 3.3b 10 0-88
ISCJB VIII 07 18 08 29.2–.85 52.3N–.10 175.5W–.10 10 3.3b **¶11907911**
NEIC VIII 07 18 08 29.7–.83 52.12N 175.41W 10 2.9L
IDC VIII 07 18 08 29.1–2.0 52.52N 176.22W 0 3.7,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=8.3km az=168.6.
NEIC Event type se. Error ellipse: s-maj=32.7km s-min=8.4km az=169.0.
IDC Error ellipse: s-maj=77.4km s-min=31.5km az=145.0.
ISC VIII 07 18 16 10.0–1.2 52.2N–.20 175.51W–.09 4–10 3.8b 12 0-87
IDC VIII 07 18 16 08.5–2.0 52.44N 176.14W 0 4.1,3.8b **¶11907912**
ISCJB VIII 07 18 16 09.8–3.5 52.2N–.10 175.54W–.09 15–27 3.8b,3.8b
NEIC VIII 07 18 16 10.6–.86 52.09N 175.51W 10 4.3L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=75.3km s-min=31.3km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=8.4km az=166.9.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=8.5km az=164.0.
ISC VIII 07 18 18 41.9–.90 52.1N–.20 175.50W–.07 10 3.8b 19 0-68
ISCJB VIII 07 18 18 40.9–.64 52.2N–.10 175.56W–.08 10 3.8b **¶11907913**
IDC VIII 07 18 18 41.6–1.9 52.28N 175.87W 0 3.9,3.8L
NEIC VIII 07 18 18 42.1–.96 52.10N 175.52W 10 3.4L,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=6.4km az=172.2.
IDC Error ellipse: s-maj=51.7km s-min=21.2km az=6.0.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=7.8km az=168.0.
ISC VIII 07 18 30 02.0–.64 52.25N–.02 175.60W–.02 2–3 5.5b,5.5s 1490 0-161
BGS VIII 07 18 29 53.2–1.7 51.49N 176.41W 13–0 5.5s,5.4b **¶13391089**
BJI VIII 07 18 30 00.2 52.64N 175.64W 6 5.9s,5.5b
ISCJB VIII 07 18 30 00.3–.59 52.22N–.02 175.57W–.02 2–3 5.5b,5.5s
NEIC VIII 07 18 30 03.1–.15 52.19N 175.65W 12 5.9L,5.9
IDC VIII 07 18 30 04.0–1.6 52.34N 175.75W 17–9 5.5,5.5
DJA VIII 07 18 30 04 52.41N 175.05W 10 6.1W,5.5
MOS VIII 07 18 30 04.6–1.2 52.30N 175.63W 33 5.8b,5.5s
GCMT VIII 07 18 30 08.9–.10 52.22N 175.63W 12 5.8W,5.5s
SZGRF VIII 07 18 30 10.7 52.87N 174.77W 33 5.8b,5.6s
ISC Event type fe.
BGS Error ellipse: s-maj=202.7km s-min=676.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.9km az=3.8.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=187.0. Felt at Unalaska. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s75.00000°,δ70.00000°,λ-90.00000°. NP2:ϕ_s255.00000°,δ20.00000°,λ-90.00000°. Principal axes: T Plg25.0000°,Azm165.0000°; N Plg0.0000°,Azm0.0000°; P Plg65.0000° ,Azm345.0000° Moment Tensor Solution. s147 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.82 $M_{\theta\theta}$4.68 $M_{\phi\phi}$-0.86 $M_{r\theta}$1.45 $M_{\theta\phi}$-3.53 $M_{\phi r}$-0.67 Best double couple: NP1:ϕ_s117.00000° ,δ36.00000°,λ-88.00000°. NP2:ϕ_s295.00000°,δ54.00000°,λ-91.00000°. Principal axes: T 6.6400,Plg8.0000°,Azm25.0000°; N -2.5800,Plg1.0000°,Azm295.0000° ; P -4.0600,Plg81.0000°,Azm198.0000° $M_0$5.80000×10^{17}
IDC Error ellipse: s-maj=12.8km s-min=7.4km az=158.0.
MOS Error ellipse: s-maj=8.7km s-min=7.5km az=147.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 90, comp=182, per= 50. Moment Tensor Solution. s74,c135; s50,c67; Moment tensor: Scale 10^{17}Nm; M_{rr}-4.07±.08 $M_{\theta\theta}$6.42±.08; $M_{\phi\phi}$-2.34±.09; $M_{r\theta}$1.71±.22; $M_{\theta\phi}$-4.89±.08; $M_{\phi r}$-1.79±.25; Best double couple: NP1:ϕ_s75.00000°,δ53.00000°,λ-153.00000°. NP2:ϕ_s328.00000°,δ69.00000°,λ-41.00000°. Principal axes: T 9.0100,Plg10.0000°,Azm25.0000°; N -3.5800,Plg45.0000°,Azm125.0000° ; P -5.4200,Plg43.0000°,Azm285.0000° $M_0$7.20000×10^{17}
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISC VIII 07 18 37 50.7–.58 52.4N–.10 175.38W–.07 10 3.9b 14 0-88
NEIC VIII 07 18 37 48.5–1.5 52.07N 175.58W 10 3.6L **¶11907916**
ISCJB VIII 07 18 37 49.1–.57 52.4N–.10 175.42W–.07 10 3.9b
IDC VIII 07 18 37 49.1–1.2 52.45N 175.70W 0 4.2,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=44.3km s-min=10.3km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=6.3km az=0.8.
IDC Error ellipse: s-maj=37.6km s-min=23.5km az=180.0.

IDC VIII 07 19 22 38.5–1.3 52.19N 175.84W 0 3.9,3.8L
¶12580967
IDC Error ellipse: s-maj=40.8km s-min=26.0km az=161.0.
ISC VIII 07 19 31 20.7–.90 52.1N–.20 175.51W–.08 10 3.8b 15 0-87
ISCJB VIII 07 19 31 19.2–.81 52.1N–.20 175.54W–.08 10 3.8b **¶11907918**
IDC VIII 07 19 31 19.4–1.2 52.13N 175.70W 0 4.1L,4.1
NEIC VIII 07 19 31 20.6–1.0 52.02N 175.58W 10 3.4L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=7.1km az=173.5.
IDC Error ellipse: s-maj=39.4km s-min=22.5km az=177.0.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=9.8km az=173.0.
ISC VIII 07 19 36 58.7–.90 52.2N–.20 175.42W–.10 10 3.7b 9 0-88
ISCJB VIII 07 19 36 57.3–.83 52.3N–.10 175.5W–.10 10 3.7b **¶11907919**
IDC VIII 07 19 36 57.9–2.0 52.39N 175.69W 0 3.9L,3.9
NEIC VIII 07 19 36 58.1–1.1 52.12N 175.42W 10 3.0L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=8.3km az=170.7.
IDC Error ellipse: s-maj=75.0km s-min=30.0km az=143.0.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=10.1km az=166.0.
ISC VIII 07 19 40 36.5–.70 52.1N–.10 175.37W–.08 10 4.1b 15 0-88
ISCJB VIII 07 19 40 35.0–.63 52.2N–.10 175.41W–.08 10 4.1b **¶11907920**
IDC VIII 07 19 40 35.7–1.2 52.24N 175.34W 0 4.2,4.0b
NEIC VIII 07 19 40 36.4–.68 52.14N 175.41W 10 4.3b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=6.5km az=171.3.
IDC Error ellipse: s-maj=37.2km s-min=21.8km az=1.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=7.5km az=165.0.
ISC VIII 07 19 52 19.1–1.0 51.8N–.20 175.4W–.10 10 3.6b 9 1-87
IDC VIII 07 19 52 16.6–1.9 52.34N 176.11W 0 3.9,3.6L **¶11907921**
ISCJB VIII 07 19 52 17.6–1.0 51.7N–.10 175.3W–.10 10 3.6b,3.6L
NEIC VIII 07 19 52 19.1–1.0 51.88N 175.34W 10 3.4L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=93.8km s-min=36.1km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=7.9km az=162.6.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=9.4km az=172.0.
ISC VIII 07 19 53 21.6–1.4 52.0N–.30 175.44W–.09 10 3.9b 11 0-87
ISCJB VIII 07 19 53 20.5–1.0 52.1N–.20 175.48W–.09 10 3.9b **¶11907922**
NEIC VIII 07 19 53 21.6–1.6 52.01N 175.48W 10 3.2L
IDC VIII 07 19 53 22.8–1.2 52.41N 175.56W 0 4.0,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=7.6km az=176.2.
NEIC Event type se. Error ellipse: s-maj=39.1km s-min=8.5km az=178.0.
IDC Error ellipse: s-maj=39.8km s-min=21.9km az=1.0.
ISC VIII 07 19 54 03.1–1.4 52.2N–.20 175.41W–.09 3–11 4.1b 15 0-88
ISCJB VIII 07 19 54 02.9–1.6 52.2N–.10 175.43W–.09 15–13 4.1b **¶11907923**
IDC VIII 07 19 54 02.5–1.1 52.20N 175.62W 0 4.2,4.0b
NEIC VIII 07 19 54 03.9–.73 52.18N 175.43W 10 3.3L,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.2km s-min=9.1km az=3.8.
IDC Error ellipse: s-maj=32.1km s-min=21.0km az=179.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=9.0km az=170.0.
ISC VIII 07 20 05 51.9–.91 52.2N–.20 175.42W–.09 10 3.8b 9 0-62
ISCJB VIII 07 20 05 50.6–.88 52.4N–.10 175.45W–.10 10 3.8b **¶11907925**
NEIC VIII 07 20 05 51.7–1.0 52.18N 175.38W 10 3.0L
IDC VIII 07 20 05 52.6–2.3 52.56N 175.47W 0 3.9,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=8.6km az=177.0.
NEIC Event type se. Error ellipse: s-maj=31.6km s-min=9.7km az=170.0.
IDC Error ellipse: s-maj=58.7km s-min=31.2km az=10.0.
ISC VIII 07 20 49 42.5–1.1 52.1N–.20 175.44W–.08 9–8 3.9b 13 0-87
IDC VIII 07 20 49 41.3–1.4 52.11N 175.37W 0 3.8,3.6 **¶11907930**
ISCJB VIII 07 20 49 42.2–1.0 52.2N–.10 175.46W–.09 20–10 3.9b,3.6
NEIC VIII 07 20 49 42.2–1.1 52.06N 175.41W 8–8 3.9b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=43.9km s-min=33.0km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=7.8km az=168.1.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=6.9km az=168.0.
ISC VIII 07 20 58 49.5–.86 52.1N–.10 175.46W–.09 10 4.3b 18 1-87
ISCJB VIII 07 20 58 48.0–.81 52.2N–.10 175.53W–.09 10 4.3b **¶11907931**
IDC VIII 07 20 58 47.9–1.3 52.06N 175.36W 0 3.9b,3.9
NEIC VIII 07 20 58 49.4–.87 52.05N 175.46W 10 3.9b,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=7.7km az=171.6.
IDC Error ellipse: s-maj=42.0km s-min=26.7km az=164.0.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=9.6km az=158.0.
NEIC VIII 07 21 25 56.6 52.10N 175.48W 5 3.1L
IDC VIII 07 21 25 58.3–7.2 52.22N 175.99W 0 3.9,3.8L **¶11907932**
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=136.1km s-min=58.9km az=101.0.
ISC VIII 07 21 43 10.9–1.2 52.2N–.20 175.50W–.09 5–9 3.8b 12 0-87
NEIC VIII 07 21 43 09.8 52.13N 175.44W 5 3.6b,3.4L **¶11907934**
IDC VIII 07 21 43 09.8–1.4 52.27N 175.81W 0 3.9L,3.9
ISCJB VIII 07 21 43 10.6–1.3 52.2N–.20 175.5W–.10 15–13 3.8b,3.9
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 07 21 48 35.7–.56 52.2N–.10 175.39W–.07 10 4.0b 23 0-88
ISCJB VIII 07 21 48 34.5–.51 52.28N–.10 175.42W–.07 10 4.0b **¶11652835**
NEIC VIII 07 21 48 34.2 52.13N 175.38W 4 3.7b,3.7L
BJI VIII 07 21 48 34.2 52.10N 175.40W 10 4.8b,4.7b
IDC VIII 07 21 48 35.0–1.1 52.41N 175.81W 0 3.9L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=5.7km az=172.2.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=37.2km s-min=19.5km az=174.0.
IDC VIII 07 22 00 40.6–2.6 51.74N 175.51W 0 3.6,3.4b
¶12580971
IDC Error ellipse: s-maj=81.0km s-min=30.6km az=10.0.
NEIC VIII 07 22 06 23.1 52.16N 175.41W 5 3.5L
IDC VIII 07 22 06 19.8–7.8 52.10N 176.75W 0 4.0,3.8L **¶11907936**
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=144.3km s-min=62.3km az=98.0.
ISC VIII 07 22 17 29.1–1.0 52.2N–.10 175.50W–.08 9–8 4.2b 28 0-87
BJI VIII 07 22 17 24.9 52.86N 174.89W 14 5.0b,4.7b **¶11652836**
IDC VIII 07 22 17 27.5–1.3 52.26N 175.73W 0 4.1,3.9L
NEIC VIII 07 22 17 28.6 52.13N 175.47W 5 4.3L,4.2b
ISCJB VIII 07 22 17 29.1–.90 52.2N–.10 175.52W–.08 22–8 4.2b,4.2b
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 08 12 28 24.2–1.3 52.1N–.20 175.46W–.09 10 3.7b 14 0-56
IDC VIII 08 12 28 09.6–7.8 52.47N 178.88W 0 3.9L,3.9 **¶12580982**
ISCJB VIII 08 12 28 21.7–1.3 52.1N–.20 175.6W–.10 10 3.7b,3.9
NEIC VIII 08 12 28 23.0 52.13N 175.51W 16 3.1L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=148.2km s-min=63.6km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=29.3km s-min=9.0km az=176.2.
NEIC Event type se. After AEIC.
ISC VIII 09 15 18 15.0–.10 51.58N–.02 178.46W–.02 36 5.4b,4.7s 1391 1-160
SZGRF VIII 09 15 18 11.2 51.42N 179.66W 33 5.4b,4.7s **¶13391257**
ISCJB VIII 09 15 18 12.9–.10 51.51N–.02 178.42W–.02 34 5.4b,4.7s
MOS VIII 09 15 18 13.1–.91 51.60N 178.38W 33 5.5b,4.6s
BJI VIII 09 15 18 15.7 51.79N 178.55W 58 5.6b,5.4b
IDC VIII 09 15 18 15.8–1.4 51.62N 178.33W 46–11 5.5L,5.0
NEIC VIII 09 15 18 16.9–.39 51.50N 178.44W 58–3 5.5W,5.5L
BGS VIII 09 15 18 17.1–2.6 51.50N 178.44W 58–0 5.0b,5.5L
GCMT VIII 09 15 18 17.1–.10 51.29N 178.26W 42–0 5.4W,5.5L
DJA VIII 09 15 18 25 51.31N 178.80W 116 5.4b,5.5L
ISC Event type se.
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=1.5km az=3.7.

MOS Error ellipse: s-maj=9.2km s-min=7.2km az=156.9.
IDC Error ellipse: s-maj=15.2km s-min=9.6km az=160.0.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.0km az=184.0. Moment Tensor Solution. s93 Moment tensor: Scale 10^{16}Nm; M_{rr}7.44 $M_{\theta\theta}$-6.63 $M_{\phi\phi}$-0.81 $M_{r\theta}$4.60 $M_{\theta\phi}$-4.01 $M_{\phi r}$3.27 Best double couple: NP1:ϕ_s58.00000°,δ63.00000°,λ84.00000°. NP2:ϕ_s250.00000° ,δ28.00000°,λ101.00000°. Principal axes: T 9.3000,Plg71.0000°,Azm314.0000° ; N 1.2000,Plg4.0000°,Azm60.0000°; P -10.4000,Plg17.0000°,Azm151.0000° $M_0$9.90000×10^{16}
BGS Error ellipse: s-maj=580.3km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s94,c163; s99,c190; Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$-1.22±.02; $M_{\phi\phi}$0.08±.02; $M_{r\theta}$0.44±.02; $M_{\theta\phi}$-0.41±.01; $M_{\phi r}$0.57±.02; Best double couple: NP1: ϕ_s273.00000°,δ36.00000°,λ122.00000°. NP2:ϕ_s56.00000°,δ60.00000°,λ69.00000°. Principal axes: T 1.4100,Plg68.0000°,Azm285.0000°; N 0.0600,Plg18.0000°,Azm66.0000° ; P -1.4700,Plg13.0000°,Azm161.0000° $M_0$1.40000×10^{17}

ISC	**VIII**	**09 15 31 15.2–1.8**	**51.9N–.40**	**175.2W–.20**	**35**	**3.5b**	**15**	**1-87**
NEIC	VIII	09 15 31 11.7	52.11N	175.42W	5	3.2L		¶11908000
ISCJB	VIII	09 15 31 13.9–.94	52.1N–.20	175.39W–.10	33	3.5b		
IDC	VIII	09 15 31 13.7–1.5	52.55N	175.59W	0	3.8L,3.7		

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=26.8km s-min=7.9km az=171.3.
IDC Error ellipse: s-maj=51.6km s-min=27.6km az=158.0.

ISC	**VIII**	**19 21 33 34.6–.42**	**51.95N–.05**	**178.90W–.03**	**105–4**	**4.7b**	**456**	**1-151**
BJI	VIII	19 21 33 32.5	51.90N	178.90W	108	5.2b,4.7b		¶11169891
ISCJB	VIII	19 21 33 33.3–.45	51.95N–.05	178.90W–.03	109–4	4.7b,4.7b		
NEIC	VIII	19 21 33 34.6–.50	51.94N	178.94W	108–4	4.7b,4.7b		
IDC	VIII	19 21 33 36.0–1.9	52.06N	178.95W	120–16	4.2,4.1b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=3.0km az=177.5.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.5km az=173.0.
IDC Error ellipse: s-maj=17.7km s-min=9.6km az=166.0.

ISC	**VIII**	**23 03 48 51.2–.86**	**51.15N–.06**	**179.83W–.03**	**31–5**	**4.5b,4.0s**	**345**	**1-151**
IDC	VIII	23 03 48 45.7–.65	51.19N	179.85W	0	4.4,4.4L		¶13392367
NEIC	VIII	23 03 48 49.6	51.02N	179.86W	14	4.7L,4.5b		
MOS	VIII	23 03 48 49.1–1.0	51.24N	179.92W	27	4.6b,4.5b		
BJI	VIII	23 03 48 50.6	51.00N	179.90W	53	5.0b,4.7b		
ISCJB	VIII	23 03 48 50.2–.75	51.09N–.06	179.83W–.03	38–5	4.5b,4.0s		
GCMT	VIII	23 03 48 53.2–.40	51.03N	179.75W	30–1	4.9W,4.0s		

ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=11.9km az=169.0.
NEIC Event type se. After AEIC.
MOS Error ellipse: s-maj=9.9km s-min=6.7km az=88.4.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=3.2km az=4.4.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s26,c33; s61,c82; Moment tensor: Scale 10^{16}Nm; M_{rr}2.37±.16 $M_{\theta\theta}$-2.04±.10; $M_{\phi\phi}$-0.33±.10; $M_{r\theta}$1.29±.13; $M_{\theta\phi}$-0.66±.07; $M_{\phi r}$0.87±.14; Best double couple: NP1:ϕ_s258.00000°,δ29.00000°,λ104.00000°. NP2:ϕ_s63.00000°,δ62.00000°,λ83.00000°. Principal axes: T 2.8700,Plg72.0000° ,Azm316.0000°; N -0.1500,Plg7.0000°,Azm67.0000°; P -2.7100,Plg17.0000°,Azm159.0000° $M_0$2.80000×10^{16}

ISC	**VIII**	**23 03 59 45.3–.98**	**51.4N–.10**	**179.89W–.07**	**31–8**	**4.2b**	**41**	**1-150**
BJI	VIII	23 03 59 39.8	50.90N	179.90W	9	4.7b,4.5s		¶13392369
IDC	VIII	23 03 59 39.2–1.1	51.28N	179.80W	0	4.4L,4.2		
NEIC	VIII	23 03 59 42.8	50.95N	179.89W	9	4.2b,4.1L		
ISCJB	VIII	23 03 59 45.0–.73	51.4N–.10	179.91W–.06	46–6	4.2b,4.1L		

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.

ISC	**VIII**	**23 04 15 14.7–.72**	**51.21N–.07**	**179.93W–.04**	**47–5**	**4.5b,3.7s**	**232**	**1-151**
IDC	VIII	23 04 15 08.0–.85	51.29N	179.87W	0	4.4,4.2b		¶13392370
BJI	VIII	23 04 15 09.9	51.33N	179.39W	50	5.2b,4.9b		
MOS	VIII	23 04 15 11.5–.93	51.22N	179.94W	33	4.6b,4.9b		
NEIC	VIII	23 04 15 12.4	50.97N	179.93W	20	4.4b,4.4L		
ISCJB	VIII	23 04 15 13.1–.72	51.17N–.07	179.93W–.04	49–5	4.5b,3.7s		

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.

ISC	**VIII**	**23 22 21 40.6–1.6**	**51.3N–.10**	**179.8W–.10**	**30–10**	**4.0b**	**27**	**1-151**
IDC	VIII	23 22 21 36.1–.90	51.28N	179.90W	0	4.1,4.0		¶13392431
NEIC	VIII	23 22 21 39.9–2.0	51.26N	179.76W	25–12	3.8L,3.6L		
ISCJB	VIII	23 22 21 40.4–1.4	51.3N–.10	179.8W–.10	43–11	4.0b,3.6L		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**VIII**	**24 08 01 09.3–1.1**	**51.3N–.20**	**179.91W–.08**	**42–8**	**3.9b**	**26**	**0-150**
IDC	VIII	24 08 01 03.1–1.2	51.35N	179.91W	0	4.3L,4.1		¶13392462
NEIC	VIII	24 08 01 04.9–1.0	51.20N	179.82W	10	4.1b,3.8L		
ISCJB	VIII	24 08 01 07.9–1.0	51.3N–.20	179.89W–.08	46–7	3.9b,3.8L		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**VIII**	**26 01 34 57.8–1.5**	**51.3N–.20**	**179.36W–.08**	**50–8**	**3.9b**	**20**	**1-76**
IDC	VIII	26 01 34 51.4–2.2	51.35N	179.36W	0	4.0,4.0L		¶11908821
NEIC	VIII	26 01 34 53.7	50.95N	179.31W	5	3.6b,3.5L		

ISC Event type se.
IDC Error ellipse: s-maj=60.1km s-min=21.4km az=4.0.
NEIC Event type se. After AEIC.

ISC	**VIII**	**26 01 57 34.3–.54**	**51.19N–.04**	**179.32W–.03**	**51–4**	**4.8b,4.7s**	**807**	**1-151**
IDC	VIII	26 01 57 26.2–.51	51.10N	179.27W	0	4.7,4.6		¶13392619
MOS	VIII	26 01 57 30.3–.91	51.14N	179.34W	33	5.1b,4.8s		
ISCJB	VIII	26 01 57 31.9–.58	51.12N–.04	179.30W–.03	47–4	4.8b,4.7s		
BJI	VIII	26 01 57 31.4	51.10N	179.40W	46	5.1b,4.9s		
NEIC	VIII	26 01 57 33.4–.49	51.13N	179.37W	46–3	4.8b,4.7L		
SZGRF	VIII	26 01 57 41.7	52.39N	178.04E	33	5.1b,4.7L		

ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=10.7km az=162.0.
MOS Error ellipse: s-maj=7.8km s-min=4.6km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=2.5km az=8.1.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=2.5km az=186.0.
SZGRF Rat Islands, Aleutian Islands, United States.

NEIC	**VIII**	**28 02 49 33.2**	**51.16N**	**178.46W**	**26**	**4.2L,4.1L**		¶12100299

NEIC Event type se. After AEIC.

ISC	**VIII**	**31 13 19 49.5–.65**	**51.20N–.06**	**178.19W–.04**	**54–5**	**4.4b,3.3s**	**265**	**2-160**
MOS	VIII	31 13 19 45.4–.99	51.18N	178.09W	33	4.7b,3.3s		¶11227324
ISCJB	VIII	31 13 19 47.2–.72	51.15N–.06	178.17W–.04	50–5	4.4b,3.3s		
BJI	VIII	31 13 19 47.0	51.20N	178.20W	53	5.0b,4.7b		
NEIC	VIII	31 13 19 49.0–.61	51.16N	178.21W	53–4	4.4b,4.2L		
IDC	VIII	31 13 19 49.9–7.6	51.29N	178.22W	61–67	4.0,3.9		

ISC Event type se.
MOS Error ellipse: s-maj=12.7km s-min=6.5km az=86.7.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=3.7km az=3.1.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.1km az=176.0.
IDC Error ellipse: s-maj=21.6km s-min=16.9km az=9.0.

ISC	**IX**	**02 14 15 45.6–.53**	**52.7N–.10**	**177.1W–.10**	**265–6**	**3.3b**	**27**	**1-87**
ISCJB	IX	02 14 15 44.6–.54	52.8N–.10	177.1W–.10	270–7	3.3b		¶11909281
NEIC	IX	02 14 15 45.6–.56	52.69N	177.03W	266–7	4.2b		
IDC	IX	02 14 15 46.4–2.7	52.91N	177.01W	274–27	3.4,3.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=8.4km az=163.9.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=8.0km az=163.0.
IDC Error ellipse: s-maj=26.6km s-min=11.2km az=167.0.

NEIC	**IX**	**04 10 15 06.7**	**51.29N**	**179.60W**	**26**	**3.7L,3.4L**		¶12951898

NEIC Event type se. After AEIC.

ISC	**IX**	**06 03 12 39.8–1.3**	**51.7N–.20**	**173.86W–.10**	**46–11**	**3.4b,2.7s**	**16**	**2-86**
IDC	IX	06 03 12 32.7–1.9	51.53N	173.89W	0	4.0L,3.8		¶11909580
NEIC	IX	06 03 12 37.3	51.45N	173.76W	29	3.2L,3.8		
ISCJB	IX	06 03 12 38.2–1.3	51.7N–.20	173.83W–.10	48–12	3.4b,2.7s		

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.

ISC	**IX**	**06 20 22 32.7–.69**	**51.43N–.05**	**179.00W–.03**	**59–5**	**4.6b,3.7s**	**401**	**1-151**
BJI	IX	06 20 22 26.4	51.10N	178.90W	55	4.8b,4.7b		¶13393610
IDC	IX	06 20 22 27.4–2.5	51.40N	179.01W	20–15	4.6L,4.4		
MOS	IX	06 20 22 27.7–1.0	51.34N	178.90W	33	4.7b,4.4		
NEIC	IX	06 20 22 28.4	51.10N	178.94W	26	4.6b,4.6L		
ISCJB	IX	06 20 22 29.9–.71	51.39N–.05	179.00W–.03	50–6	4.6b,3.7s		

ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.

ISC	**IX**	**08 04 32 17.6–1.4**	**51.3N–.30**	**178.3W–.10**	**52–11**	**3.5b**	**13**	**1-151**
IDC	IX	08 04 32 09.3–2.1	51.16N	178.59W	0	4.2L,3.9		¶11909787
ISCJB	IX	08 04 32 16.6–1.4	51.3N–.30	178.3W–.10	62–9	3.5b,3.9		
NEIC	IX	08 04 32 17.5	51.27N	178.21W	27	3.5L,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=55.8km s-min=34.2km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=44.9km s-min=7.8km az=167.7.
NEIC Event type se. After AEIC.

ISC	**IX**	**08 16 04 27.7–.77**	**51.8N–.10**	**176.47W–.08**	**63–7**	**3.8b**	**24**	**1-152**
IDC	IX	08 16 04 19.0–.66	51.70N	176.59W	0	4.2,3.9		¶11909819
ISCJB	IX	08 16 04 26.5–.78	51.8N–.10	176.49W–.07	67–7	3.7b,3.9		
NEIC	IX	08 16 04 27.4–.89	51.76N	176.48W	62–8	3.7b,3.5L		

ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=15.7km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=6.1km az=167.6.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=6.8km az=167.0.

ISC	**IX**	**09 06 56 53.9–3.3**	**51.5N–.20**	**176.2W–.10**	**28–21**	**3.9b**	**13**	**1-57**
IDC	IX	09 06 56 50.0–7.4	51.57N	176.08W	0	4.1,3.8L		¶11909867
NEIC	IX	09 06 56 54.9	51.50N	176.35W	29	3.7L,3.8L		

ISC Event type se.
IDC Error ellipse: s-maj=146.6km s-min=61.5km az=101.0.
NEIC Event type se. After AEIC.

ISC	**IX**	**14 00 59 02.9–.63**	**51.9N–.20**	**175.9W–.10**	**150–6**	**3.6b**	**16**	**1-148**
IDC	IX	14 00 58 54.6–11	52.27N	176.29W	84–111	4.1L,3.9		¶11910220
ISCJB	IX	14 00 59 01.9–.62	52.0N–.20	175.9W–.10	155–6	3.6b,3.9		
NEIC	IX	14 00 59 04.3	51.79N	175.90W	149	3.9b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=93.4km s-min=29.1km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=34.6km s-min=7.7km az=164.9.
NEIC Event type se. After AEIC.

ISC	**IX**	**15 05 41 46.9–.12**	**51.45N–.03**	**178.37W–.02**	**36**	**5.1b,4.5s**	**968**	**1-151**
IDC	IX	15 05 41 45.0–2.3	51.47N	178.26W	27–15	5.2L,4.7		¶11277563
ISCJB	IX	15 05 41 44.8–.12	51.41N–.03	178.35W–.02	34	5.1b,4.5s		
MOS	IX	15 05 41 44.7–1.1	51.48N	178.29W	33	5.3b,4.6s		
NEIC	IX	15 05 41 46.1–.14	51.40N	178.35W	31	5.2L,5.1b		
BJI	IX	15 05 41 47.5	51.55N	178.80W	47	5.3b,5.3b		
GCMT	IX	15 05 41 48.8–.20	51.29N	178.14W	42–0	5.2W,5.3b		
SZGRF	IX	15 05 41 49.6	51.76N	177.98W	33	5.1b,4.6s		
DJA	IX	15 05 42 09	51.42N	178.80W	230	4.9b,4.6s		

ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=9.8km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=1.7km az=2.6.
MOS Error ellipse: s-maj=6.5km s-min=5.1km az=91.2.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=2.4km az=175.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s78,c117; s94,c152; Moment tensor: Scale 10^{16}Nm; M_{rr}5.90±.17 $M_{\theta\theta}$-5.83±.14; $M_{\phi\phi}$-0.08±.14; $M_{r\theta}$2.54±.13; $M_{\theta\phi}$-2.62±.10; $M_{\phi r}$3.03±.12; Best double couple: NP1:ϕ_s266.00000°,δ33.00000°,λ118.00000°. NP2:ϕ_s53.00000°,δ61.00000°,λ73.00000°. Principal axes: T 7.3200,Plg69.0000° ,Azm288.0000°; N 0.4300,Plg15.0000°,Azm62.0000°; P -7.7500,Plg15.0000°,Azm156.0000° $M_0$7.50000×10^{16}
SZGRF Andreanof Islands, Aleutian Islands, United States.

ISC	**IX**	**17 11 59 21.5–1.9**	**50.05N–.06**	**178.35W–.04**	**18–11**	**4.5b,3.7s**	**202**	**2-152**
BJI	IX	17 11 59 17.3	50.00N	178.40W	10	4.7s,4.7b		¶13394517
ISCJB	IX	17 11 59 18.5–1.7	50.05N–.05	178.37W–.04	11–10	4.5b,3.7s		
IDC	IX	17 11 59 18.5–.56	50.03N	178.39W	0	4.6L,4.5		
NEIC	IX	17 11 59 20.3–.30	50.04N	178.38W	10	4.6b,4.2L		
MOS	IX	17 11 59 22.1–.88	50.15N	178.44W	33	4.7b,4.2L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.1km az=0.6.
IDC Error ellipse: s-maj=17.6km s-min=10.6km az=172.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.5km az=179.0.
MOS Error ellipse: s-maj=11.1km s-min=7.3km az=105.5.

ISC	**IX**	**18 01 32 10.4–2.6**	**51.8N–.20**	**179.03W–.10**	**1–21**	**3.8b**	**16**	**1-59**
IDC	IX	18 01 31 50.6–14	51.74N	176.78E	0	4.1,3.7		¶11910526
ISCJB	IX	18 01 32 10.4–3.9	51.9N–.10	179.07W–.10	11–26	3.9b,3.7		
NEIC	IX	18 01 32 10.8	51.74N	179.02W	6	3.6L,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=297.1km s-min=69.5km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=24.0km s-min=8.0km az=163.6.
NEIC Event type se. After AEIC.

ISC	**IX**	**18 09 04 52.0–.90**	**51.6N–.30**	**179.1W–.10**	**10**	**3.1b**	**12**	**1-59**
ISCJB	IX	18 09 04 51.0–.78	51.8N–.30	179.1W–.10	10	3.1b		¶12952086
NEIC	IX	18 09 04 51.5	51.72N	179.01W	6	3.8L,3.3L		
IDC	IX	18 09 05 07.7–2.8	51.24N	175.90W	0	3.6,3.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.3km s-min=7.6km az=172.5.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=78.5km s-min=33.6km az=17.0.

IDC	**IX**	**18 13 52 34.1–13**	**51.69N**	**172.66W**	**0**	**3.7,3.5b**		¶11910554

IDC Error ellipse: s-maj=245.8km s-min=47.9km az=74.0.

ISC	**IX**	**20 17 20 04.7–5.0**	**50.1N–.10**	**178.29W–.09**	**12–30**	**3.9b**	**36**	**2-86**
ISCJB	IX	20 17 20 04.0–3.5	50.1N–.10	178.31W–.09	19–23	3.9b		¶11910711
NEIC	IX	20 17 20 05.5	50.07N	178.40W	10	4.6b,3.6L		
IDC	IX	20 17 20 06.5–.75	49.99N	178.40W	25–4	4.0,3.9L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=9.3km az=175.1.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=18.9km s-min=12.5km az=171.0.

ISC	**IX**	**26 10 23 44.4–.46**	**51.78N–.04**	**175.34W–.03**	**62–3**	**4.8b**	**617**	**1-152**
IDC	IX	26 10 23 35.5–.44	51.72N	175.32W	0	4.6,4.6		¶11310452
MOS	IX	26 10 23 39.2–1.1	51.74N	175.32W	33	4.9b,4.6		
ISCJB	IX	26 10 23 42.2–.50	51.77N–.04	175.33W–.03	59–4	4.8b,4.0s		
NEIC	IX	26 10 23 43.3–.45	51.76N	175.36W	55–3	4.8b,4.7L		
GCMT	IX	26 10 23 44.5–.40	51.57N	175.10W	42–1	4.9W,4.7L		
BJI	IX	26 10 23 45.1	52.21N	175.96W	57	5.1b,4.9b		

ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=9.6km az=160.0.
MOS Error ellipse: s-maj=8.4km s-min=6.6km az=67.6.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=2.8km az=0.9.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=2.7km az=177.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s31,c35; s58,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}2.61±.21 $M_{\theta\theta}$-2.24±.15; $M_{\phi\phi}$-0.37±.14; $M_{r\theta}$1.20±.13; $M_{\theta\phi}$-1.23±.08; $M_{\phi r}$1.01±.10; Best double couple: NP1:ϕ_s252.00000°,δ31.00000°,λ103.00000°. NP2:ϕ_s56.00000°,δ60.00000°,λ82.00000°. Principal axes: T 3.0500,Plg74.0000° ,Azm307.0000°; N 0.2000,Plg7.0000°,Azm60.0000°; P -3.2500,Plg15.0000°,Azm152.0000° $M_0$3.20000×10^{16}

ISC	**X**	**08 20 59 15.9–.72**	**52.7N–.20**	**176.1W–.10**	**209–13**	**3.3b**	**17**	**1-57**
IDC	X	08 20 59 12.6–8.8	52.61N	175.74W	162–90	3.5,3.2b		¶12066372
ISCJB	X	08 20 59 14.7–.72	52.9N–.20	176.1W–.10	209–12	3.3b,3.2b		
NEIC	X	08 20 59 16.3–.78	52.74N	175.99W	212–11	3.2,3.2b		

ISC Event type se.
IDC Error ellipse: s-maj=87.1km s-min=29.9km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=33.3km s-min=11.1km az=165.0.
NEIC Event type se. Error ellipse: s-maj=32.5km s-min=12.4km az=171.0.

ISC	**X**	**09 01 00 56.3–.15**	**51.75N–.03**	**173.50W–.02**	**48**	**4.7b,4.2s**	**782**	**1-153**
BJI	X	09 01 00 52.7	51.91N	173.57W	33	5.1b,4.9b		¶11342413
ISCJB	X	09 01 00 54.3–.14	51.72N–.03	173.49W–.02	46	4.7b,4.2s		
MOS	X	09 01 00 54.0–.99	51.73N	173.49W	44	4.8b,4.1s		
GCMT	X	09 01 00 54.3–.30	51.66N	173.38W	24–1	5.0W,4.1s		
NEIC	X	09 01 00 55.8–.56	51.76N	173.50W	44–4	4.8b,4.8L		

IDC	X	09 01 00 55.9–.49	51.74N	173.42W	48–4	4.3,4.3			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=4.6km s-min=2.1km az=5.4.							
MOS		Error ellipse: s-maj=8.4km s-min=6.1km az=81.0.							
GCMT		Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c44; s83,c126; Moment tensor: Scale 10^{16}Nm; M_{rr}1.15±.11 $M_{\theta\theta}$0.02±.10; $M_{\phi\phi}$-1.17±.09; $M_{r\theta}$-0.70±.22; $M_{\theta\phi}$-2.10±.07; $M_{\phi r}$3.86±.34; Best double couple: NP1:ϕ_s253.00000°,δ30.00000°,λ164.00000°. NP2:ϕ_s357.00000°,δ82.00000°,λ61.00000°. Principal axes: T 4.7400,Plg45.0000° ,Azm238.0000°; N -0.3100,Plg28.0000°,Azm1.0000°; P -4.4400,Plg31.0000°,Azm110.0000° M_o4.60000×10^{16}							
NEIC		Event type se. Error ellipse: s-maj=6.4km s-min=2.9km az=179.0.							
IDC		Error ellipse: s-maj=15.4km s-min=9.4km az=168.0.							
ISC	**X**	**14 23 37 21.2–3.2**	**51.4N–.20**	**176.3W–.10**	**25–22**	**3.5b**	**16**	**1-57**	
IDC	X	14 23 37 09.6–8.1	51.16N	177.68W	0	5.0L,4.2			**¶12068647**
NEIC	X	14 23 37 20.6	51.38N	176.39W	19	3.6L,4.2			
ISC		Event type se.							
IDC		Error ellipse: s-maj=154.9km s-min=59.1km az=96.0.							
NEIC		Event type se. After AEIC.							
ISC	**X**	**25 06 45 14.7–1.3**	**51.2N–.10**	**179.82W–.08**	**52–11**	**3.9b**	**34**	**4-85**	
IDC	X	25 06 45 07.4–.92	51.12N	179.87W	0	4.2L,4.0			**¶12071061**
NEIC	X	25 06 45 12.2	51.12N	179.81W	13	3.6L,4.0			
ISCJB	X	25 06 45 13.3–1.5	51.2N–.10	179.81W–.08	55–12	3.9b,4.0			
ISC		Event type se.							
NEIC		Event type se. After AEIC.							
ISCJB		Event type se.							
ISC	**X**	**30 14 12 17.9–2.2**	**51.3N–.20**	**176.1W–.10**	**54–12**	**4.0b**	**33**	**1-86**	
NEIC	X	30 14 12 14.4	51.15N	176.23W	26	3.8b,3.3L			**¶12071630**
ISCJB	X	30 14 12 15.7–2.4	51.2N–.20	176.01W–.09	58–14	4.0b,3.3L			
IDC	X	30 14 12 18.8–4.6	51.55N	176.23W	54–38	3.9,3.8			
ISC		Event type se.							
NEIC		Event type se. After AEIC.							
ISCJB		Event type se. Error ellipse: s-maj=38.2km s-min=7.8km az=170.7.							
IDC		Error ellipse: s-maj=53.5km s-min=18.1km az=172.0.							
ISC	**X**	**31 11 44 28.5–.16**	**51.70N–.03**	**174.33W–.02**	**52**	**4.8b,4.2s**	**748**	**1-153**	
BJI	X	31 11 44 23.1	52.28N	174.74W	10	4.9b,4.9b			**¶13398731**
MOS	X	31 11 44 24.3–.93	51.65N	174.27W	33	5.0b,4.9b			
GCMT	X	31 11 44 26.5–.30	51.44N	174.32W	21–1	4.9W,4.9b			
ISCJB	X	31 11 44 26.5–.16	51.67N–.04	174.32W–.02	50	4.8b,4.2s			
NEIC	X	31 11 44 27.7–.15	51.63N	174.34W	50	4.9b,4.3s			
IDC	X	31 11 44 27.7–2.6	51.64N	174.33W	49–24	4.7L,4.3			
ISC		Event type se.							
MOS		Error ellipse: s-maj=7.4km s-min=5.2km az=86.4.							
GCMT		Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s34,c44; s62,c79; Moment tensor: Scale 10^{16}Nm; M_{rr}2.55±.15 $M_{\theta\theta}$-2.09±.10; $M_{\phi\phi}$-0.47±.10; $M_{r\theta}$2.02±.20; $M_{\theta\phi}$-0.93±.07; $M_{\phi r}$0.68±.20; Best double couple: NP1:ϕ_s242.00000°,δ25.00000°,λ83.00000°. NP2:ϕ_s69.00000°,δ65.00000°,λ93.00000°. Principal axes: T 3.3300,Plg70.0000° ,Azm346.0000°; N -0.0600,Plg3.0000°,Azm248.0000°; P -3.2800,Plg20.0000° ,Azm157.0000° M_o3.30000×10^{16}							
ISCJB		Event type se. Error ellipse: s-maj=5.3km s-min=2.1km az=7.0.							
NEIC		Event type se. Error ellipse: s-maj=4.5km s-min=2.1km az=177.0.							
IDC		Error ellipse: s-maj=15.8km s-min=8.7km az=173.0.							
ISC	**X**	**31 12 01 05.4–3.2**	**51.30N–.09**	**174.3W–.10**	**19–19**	**3.7b**	**23**	**1-62**	
ISCJB	X	31 12 01 01.0–3.1	51.20N–.08	174.1W–.10	5–18	3.7b			**¶12071731**
IDC	X	31 12 01 03.5–2.3	51.67N	174.21W	0	4.0L,4.0			
NEIC	X	31 12 01 06.9	51.30N	174.23W	13	3.7b,4.0			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=14.8km s-min=10.5km az=21.7.							
IDC		Error ellipse: s-maj=53.9km s-min=28.6km az=4.0.							
NEIC		Event type se. After AEIC.							
ISC	**X**	**31 14 23 03.1–.57**	**51.74N–.05**	**174.43W–.03**	**49–4**	**4.7b,4.5s**	**393**	**0-153**	
IDC	X	31 14 22 55.5–.58	51.57N	174.39W	0	4.8L,4.5			**¶11380402**
MOS	X	31 14 22 59.6–.91	51.73N	174.41W	33	5.0b,4.5			
ISCJB	X	31 14 23 01.6–.60	51.75N–.05	174.42W–.03	51–4	4.7b,4.5s			
GCMT	X	31 14 23 02.9–.20	51.40N	174.42W	21–0	5.1W,4.5s			
NEIC	X	31 14 23 02.6–.59	51.71N	174.42W	46–4	4.8b,4.6s			
BJI	X	31 14 23 02.8	52.08N	175.15W	41	5.0b,4.8s			
ISC		Event type se.							
IDC		Error ellipse: s-maj=19.6km s-min=10.8km az=160.0.							
MOS		Error ellipse: s-maj=8.3km s-min=5.6km az=88.7.							
ISCJB		Event type se. Error ellipse: s-maj=8.9km s-min=3.1km az=175.3.							
GCMT		Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s54,c76; s77,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}4.17±.16 $M_{\theta\theta}$-3.79±.11; $M_{\phi\phi}$-0.38±.10; $M_{r\theta}$3.22±.22; $M_{\theta\phi}$-1.30±.07; $M_{\phi r}$1.27±.20; Best double couple: NP1:ϕ_s253.00000°,δ25.00000°,λ93.00000°. NP2:ϕ_s70.00000°,δ65.00000°,λ88.00000°. Principal axes: T 5.4200,Plg70.0000° ,Azm336.0000°; N 0.0600,Plg1.0000°,Azm70.0000°; P -5.4700,Plg20.0000°,Azm161.0000° M_o5.40000×10^{16}							
NEIC		Event type se. Error ellipse: s-maj=7.2km s-min=3.1km az=177.0.							
ISC	**X**	**31 14 32 43.5–.20**	**51.71N–.05**	**174.40W–.03**	**49**	**4.6b,4.5s**	**434**	**1-153**	
MOS	X	31 14 32 39.2–.95	51.57N	174.34W	33	5.1b,4.5s			**¶13398744**
ISCJB	X	31 14 32 41.3–.20	51.64N–.05	174.40W–.03	47	4.6b,4.5s			
NEIC	X	31 14 32 42.2–.71	51.64N	174.39W	43–5	4.7b,4.5s			
IDC	X	31 14 32 42.4–.64	51.56N	174.43W	50–4	4.2,4.2			
BJI	X	31 14 32 44.7	53.00N	175.80W	12	4.8b,4.8b			
ISC		Event type se.							
MOS		Error ellipse: s-maj=10.1km s-min=6.7km az=92.5.							
ISCJB		Event type se. Error ellipse: s-maj=6.7km s-min=2.7km az=4.4.							
NEIC		Event type se. Error ellipse: s-maj=8.7km s-min=3.8km az=178.0.							
IDC		Error ellipse: s-maj=18.3km s-min=10.3km az=174.0.							
ISC	**X**	**31 14 47 27.7–.28**	**51.58N–.05**	**174.34W–.04**	**50**	**4.7b,3.9s**	**321**	**1-153**	
MOS	X	31 14 47 23.8–.99	51.51N	174.32W	33	5.0b,3.9s			**¶11456214**
ISCJB	X	31 14 47 25.6–.27	51.51N–.05	174.33W–.04	48	4.7b,3.9s			
NEIC	X	31 14 47 26.5–.68	51.47N	174.35W	45–5	4.7b,3.9s			
BJI	X	31 14 47 26.1	52.33N	175.28W	20	5.1b,4.8b			
IDC	X	31 14 47 27.0–.68	51.48N	174.45W	48–5	4.2,4.2			
ISC		Event type se.							
MOS		Error ellipse: s-maj=9.8km s-min=6.0km az=96.1.							
ISCJB		Event type se. Error ellipse: s-maj=7.3km s-min=3.4km az=172.9.							
NEIC		Event type se. Error ellipse: s-maj=8.4km s-min=3.7km az=176.0.							
IDC		Error ellipse: s-maj=16.4km s-min=10.5km az=172.0.							
ISC	**X**	**31 15 15 38.4–1.4**	**51.5N–.10**	**174.31W–.10**	**42–10**	**4.1b**	**35**	**1-153**	
ISCJB	X	31 15 15 38.0–1.4	51.6N–.10	174.3W–.10	55–9	4.1b			**¶12071744**
NEIC	X	31 15 15 38.5	51.42N	174.39W	16	4.4b			
IDC	X	31 15 15 38.1–1.3	51.46N	174.06W	43–5	4.2L,3.9			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=21.5km s-min=9.0km az=161.5.							
NEIC		Event type se. After AEIC.							
IDC		Error ellipse: s-maj=33.8km s-min=20.6km az=120.0.							
ISC	**X**	**31 15 42 05.2–.70**	**51.42N–.08**	**174.2W–.10**	**35**	**3.8b**	**27**	**1-88**	
IDC	X	31 15 42 00.1–1.2	51.48N	174.28W	0	4.5L,3.9			**¶12071746**
ISCJB	X	31 15 42 02.9–.70	51.35N–.07	174.1W–.10	33	3.8b,3.9			
NEIC	X	31 15 42 04.8	51.37N	174.36W	5	3.0L,3.9			
ISC		Event type se.							
IDC		Error ellipse: s-maj=33.8km s-min=23.0km az=149.0.							
ISCJB		Event type se. Error ellipse: s-maj=10.8km s-min=9.1km az=169.1.							
NEIC		Event type se. After AEIC.							
ISC	**X**	**31 16 17 37.0–2.2**	**51.4N–.10**	**174.16W–.07**	**24–12**	**4.2b**	**104**	**1-153**	
ISCJB	X	31 16 17 35.6–2.1	51.4N–.10	174.12W–.07	27–12	4.2b			**¶11456215**
IDC	X	31 16 17 39.0–1.0	51.41N	174.01W	47–6	3.8,3.7			
NEIC	X	31 16 17 39.6	51.42N	174.39W	16	4.6b,3.7			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=18.0km s-min=6.8km az=169.9.							
IDC		Error ellipse: s-maj=25.1km s-min=17.1km az=173.0.							
NEIC		Event type se. After AEIC.							
ISC	**X**	**31 16 19 34.3–1.5**	**51.52N–.07**	**174.30W–.04**	**31–9**	**4.5b,3.5s**	**321**	**1-153**	
ISCJB	X	31 16 19 33.0–.85	51.49N–.06	174.27W–.04	34–6	4.5b,3.5s			**¶11380413**
MOS	X	31 16 19 33.3–1.0	51.57N	174.36W	33	5.0b,3.5s			
NEIC	X	31 16 19 35.0–.68	51.55N	174.31W	37–5	4.7b,3.5s			
BJI	X	31 16 19 35.8	52.18N	175.23W	21	4.9b,4.8b			
IDC	X	31 16 19 36.5–.69	51.59N	174.32W	50–4	4.2,4.2			
SZGRF	X	31 16 19 36.9	51.53N	174.93W	33	4.8b,4.2			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=10.8km s-min=4.2km az=168.8.							
MOS		Error ellipse: s-maj=21.1km s-min=6.8km az=96.6.							
NEIC		Event type se. Error ellipse: s-maj=9.1km s-min=3.7km az=169.0.							
IDC		Error ellipse: s-maj=17.1km s-min=9.8km az=171.0.							
SZGRF		Andreanof Islands, Aleutian Islands, United States.							
ISC	**X**	**31 20 59 44.7–2.8**	**51.2N–.10**	**174.43W–.08**	**3–15**	**3.3b**	**17**	**1-62**	
IDC	X	31 20 59 45.8–2.6	51.74N	174.38W	0	3.7,3.5L			**¶12071772**
NEIC	X	31 20 59 49.7–3.2	51.50N	174.44W	37–24	3.7,3.5L			
ISC		Event type se.							
IDC		Error ellipse: s-maj=77.7km s-min=22.1km az=176.0.							
NEIC		Event type se. Error ellipse: s-maj=51.3km s-min=13.6km az=169.0.							
ISC	**X**	**31 22 10 36.7–.13**	**51.65N–.03**	**174.40W–.02**	**48**	**5.1b,4.8s**	**1055**	**1-156**	
IDC	X	31 22 10 29.3–.48	51.62N	174.34W	0	5.0,4.9			**¶13398786**
MOS	X	31 22 10 33.2–.95	51.59N	174.36W	33	5.4b,4.9s			
ISCJB	X	31 22 10 34.6–.13	51.57N–.03	174.39W–.02	46	5.1b,4.8s			
BJI	X	31 22 10 34.6	51.95N	174.77W	36	5.3b,5.2s			
NEIC	X	31 22 10 36.0–.17	51.59N	174.42W	44	5.2b,4.9s			
GCMT	X	31 22 10 35.4–.10	51.37N	174.41W	18–0	5.3W,4.9s			
DJA	X	31 22 10 35	51.44N	175.21W	10	5.3b,4.9s			
SZGRF	X	31 22 10 41.9	52.30N	176.66W	55	5.3b,4.8s			
ISC		Event type se.							
IDC		Error ellipse: s-maj=17.5km s-min=11.5km az=168.0.							
MOS		Error ellipse: s-maj=6.9km s-min=4.2km az=92.9.							
ISCJB		Event type se. Error ellipse: s-maj=4.3km s-min=1.7km az=6.3.							
NEIC		Event type se. Error ellipse: s-maj=5.4km s-min=2.5km az=176.0.							
GCMT		Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s84,c154; s99,c198; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s254.00000°,δ24.00000°,λ99.00000°. NP2:ϕ_s64.00000°,δ66.00000°,λ86.00000°. Principal axes: T 1.2300,Plg69.0000° ,Azm327.0000°; N 0.0600,Plg4.0000°,Azm66.0000°; P -1.2800,Plg21.0000°,Azm157.0000° M_o1.30000×10^{17}							
SZGRF		Andreanof Islands, Aleutian Islands, United States.							
ISC	**X**	**31 22 19 12.4–1.4**	**51.6N–.10**	**174.37W–.08**	**49–9**	**4.2b**	**39**	**1-153**	
NEIC	X	31 22 19 06.8–1.1	51.39N	174.48W	10	4.4b			**¶12071780**
IDC	X	31 22 19 06.5–1.7	51.83N	174.55W	0	4.5L,4.1			
ISCJB	X	31 22 19 10.2–1.6	51.5N–.10	174.33W–.08	49–10	4.2b,4.1			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							
IDC	**X**	**31 22 34 02.1–8.0**	**50.89N**	**173.61W**	**0**	**4.0,3.9**			**¶12071783**
IDC		Error ellipse: s-maj=177.0km s-min=19.7km az=168.0.							
ISC	**X**	**31 23 05 06.7–1.3**	**51.38N–.04**	**174.30W–.03**	**29–8**	**4.5b,4.3s**	**524**	**1-153**	
IDC	X	31 23 05 02.5–.54	51.55N	174.45W	0	4.6L,4.4			**¶12609052**
ISCJB	X	31 23 05 04.5–1.1	51.30N–.05	174.27W–.03	28–6	4.5b,4.3s			
BJI	X	31 23 05 05.8	51.40N	174.30W	42	5.1b,4.9b			
MOS	X	31 23 05 05.7–1.0	51.56N	174.31W	33	5.0b,4.9b			
NEIC	X	31 23 05 07.8–.62	51.41N	174.31W	39–5	4.5b,4.4L			
SZGRF	X	31 23 05 12.9	52.14N	175.16W	24	5.2b,5.0s			
GCMT	X	31 23 05 14.6–.20	51.33N	174.51W	18–0	5.1W,5.0s			
ISC		Event type se.							
IDC		Error ellipse: s-maj=17.8km s-min=11.2km az=167.0.							
ISCJB		Event type se. Error ellipse: s-maj=7.8km s-min=3.2km az=3.7.							
MOS		Error ellipse: s-maj=11.0km s-min=7.8km az=140.9.							
NEIC		Event type se. Error ellipse: s-maj=6.8km s-min=2.9km az=182.0.							
SZGRF		Andreanof Islands, Aleutian Islands, United States.							
GCMT		Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c65; s83,c129; Moment tensor: Scale 10^{16}Nm; M_{rr}3.93±.17 $M_{\theta\theta}$-3.78±.13; $M_{\phi\phi}$-0.15±.11; $M_{r\theta}$4.25±.35; $M_{\theta\phi}$-0.94±.08; $M_{\phi r}$0.76±.29; Best double couple: NP1:ϕ_s254.00000°,δ21.00000°,λ85.00000°. NP2:ϕ_s79.00000°,δ69.00000°,λ92.00000°. Principal axes: T 5.8300,Plg66.0000° ,Azm352.0000°; N 0.0700,Plg2.0000°,Azm258.0000°; P -5.9000,Plg24.0000°,Azm167.0000° M_o5.90000×10^{16}							
ISC	**X**	**31 23 05 16.3–.67**	**51.48N–.05**	**174.32W–.04**	**42–5**	**5.0b,4.6s**	**366**	**1-153**	
ISCJB	X	31 23 05 14.2–.72	51.40N–.05	174.30W–.03	41–5	5.0b,4.6s			**¶15261491**
NEIC	X	31 23 05 15.5–.76	51.39N	174.32W	40–6	5.0b,4.5L			
BJI	X	31 23 05 17.1	51.85N	175.11W	41	5.1b,5.1b			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=8.8km s-min=3.6km az=0.9.							
NEIC		Event type se. Error ellipse: s-maj=7.9km s-min=3.5km az=183.0.							
ISC	**X**	**31 23 21 45.4–3.9**	**51.3N–.20**	**174.2W–.10**	**22–24**	**3.7b**	**21**	**1-116**	
ISCJB	X	31 23 21 44.7–.94	51.25N–.09	174.11W–.10	33	3.7b			**¶12071790**
IDC	X	31 23 21 44.0–1.9	51.76N	174.16W	0	3.8,3.7L			
NEIC	X	31 23 21 46.7–4.7	51.44N	174.17W	25–26	2.9L,3.7L			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=12.6km s-min=9.0km az=177.0.							
IDC		Error ellipse: s-maj=58.8km s-min=21.2km az=173.0.							
NEIC		Event type se. Error ellipse: s-maj=44.6km s-min=10.4km az=174.0.							
ISC	**X**	**31 23 26 39.7–.56**	**51.48N–.04**	**174.45W–.03**	**37–4**	**5.1b,4.6s**	**670**	**1-153**	
IDC	X	31 23 26 33.9–.43	51.51N	174.49W	0	4.8,4.8			**¶13398798**
DJA	X	31 23 26 34	51.66N	173.66W	15	5.2b,4.8			
ISCJB	X	31 23 26 36.5–.94	51.39N–.04	174.45W–.03	27–5	5.0b,4.6s			
BJI	X	31 23 26 37.7	51.85N	174.66W	31	5.3b,5.2b			
MOS	X	31 23 26 37.6–.96	51.49N	174.46W	33	5.4b,4.5s			
SZGRF	X	31 23 26 39.9	51.71N	175.22W	25	5.3b,5.0s			
NEIC	X	31 23 26 39.5–.46	51.44N	174.45W	37–3	5.1b,4.4L			
GCMT	X	31 23 26 39.5–.20	51.39N	174.39W	18–0	5.2W,4.4L			
ISC		Event type se.							
IDC		Error ellipse: s-maj=15.3km s-min=9.8km az=164.0.							
ISCJB		Event type se. Error ellipse: s-maj=7.0km s-min=3.1km az=177.8.							
MOS		Error ellipse: s-maj=8.2km s-min=4.3km az=95.5.							
SZGRF		Andreanof Islands, Aleutian Islands, United States.							
NEIC		Event type se. Error ellipse: s-maj=5.1km s-min=2.2km az=177.0.							
GCMT		Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c111; s91,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}6.01±.22 $M_{\theta\theta}$-5.62±.15; $M_{\phi\phi}$-0.39±.13; $M_{r\theta}$5.18±.36; $M_{\theta\phi}$-2.34±.09; $M_{\phi r}$2.51±.33; Best double couple: NP1:ϕ_s253.00000°,δ24.00000°,λ97.00000°. NP2:ϕ_s66.00000°,δ66.00000°,λ87.00000°. Principal axes: T 8.2700,Plg69.0000° ,Azm330.0000°; N 0.4800,Plg3.0000°,Azm67.0000°; P -8.7500,Plg21.0000°,Azm158.0000° M_o8.50000×10^{16}							
ISC	**XI**	**01 02 57 23.4–1.5**	**51.5N–.10**	**174.30W–.09**	**48–10**	**4.1b**	**47**	**1-88**	
IDC	XI	01 02 57 16.6–1.2	51.60N	174.38W	0	4.0,3.8L			**¶12071814**
NEIC	XI	01 02 57 17.7–.69	51.28N	174.32W	10	3.4L,3.8L			
ISCJB	XI	01 02 57 22.8–1.6	51.5N–.20	174.31W–.10	57–11	4.1b,3.8L			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							
ISC	**XI**	**01 04 35 27.7–.00**	**51.47N–.09**	**174.32W–.06**	**49–6**	**4.6s,4.4b**	**131**	**1-153**	
IDC	XI	01 04 35 20.3–.70	51.48N	174.34W	0	4.6s,4.6			**¶11456216**
NEIC	XI	01 04 35 21.6–.41	51.31N	174.32W	10	4.1b,3.6L			
ISCJB	XI	01 04 35 26.3–1.1	51.44N–.09	174.29W–.06	52–7	4.6s,4.4b			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							
ISC	**XI**	**01 09 22 49.2–.82**	**51.53N–.07**	**174.35W–.05**	**44–5**	**4.4b,3.7s**	**131**	**1-153**	
IDC	XI	01 09 22 42.5–.74	51.57N	174.31W	0	4.7L,4.3			**¶13398855**
BJI	XI	01 09 22 44.5	51.50N	174.40W	38	4.8b,4.8b			
ISCJB	XI	01 09 22 47.3–.89	51.46N–.08	174.32W–.05	45–6	4.4b,3.7s			
NEIC	XI	01 09 22 49.0–.89	51.51N	174.38W	46–6	4.1b,3.7L			
ISC		Event type se.							
IDC		Error ellipse: s-maj=22.2km s-min=13.4km az=167.0.							
ISCJB		Event type se. Error ellipse: s-maj=12.7km s-min=4.7km az=172.5.							
NEIC		Event type se. Error ellipse: s-maj=12.9km s-min=5.3km az=172.0.							
ISC	**XI**	**01 11 23 38.6–1.1**	**51.36N–.08**	**174.24W–.06**	**38–8**	**4.2b**	**130**	**1-153**	
IDC	XI	01 11 23 32.6–.88	51.40N	174.34W	0	4.1L,4.1			**¶11456217**
MOS	XI	01 11 23 36.0–1.4	51.33N	174.12W	33	5.0b,4.1			
ISCJB	XI	01 11 23 37.0–1.2	51.34N–.09	174.16W–.06	39–8	4.2b,4.1			
NEIC	XI	01 11 23 38.6–1.0	51.38N	174.26W	38–7	4.6b,4.1			
ISC		Event type se.							
IDC		Error ellipse: s-maj=27.6km s-min=15.6km az=161.0.							
MOS		Error ellipse: s-maj=15.4km s-min=10.2km az=99.1.							
ISCJB		Event type se. Error ellipse: s-maj=14.6km s-min=5.9km az=170.6.							
NEIC		Event type se. Error ellipse: s-maj=14.4km s-min=6.0km az=171.0.							

ISC XI 01 11 26 35.8–.72 51.41N–.08 174.11W–.09 35 3.6b 28 1-88
IDC XI 01 11 26 31.0–1.2 51.50N 174.23W 0 4.0L,3.9 **¶12071847**
ISCJB XI 01 11 26 33.5–.73 51.35N–.08 174.07W–.09 33 3.6b,3.9
NEIC XI 01 11 26 35.9–.80 51.46N 174.09W 35 3.2L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=22.9km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=7.6km az=171.5.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=8.7km az=164.0.
ISC XI 01 11 31 42.2–1.2 51.41N–.10 174.21W–.08 38–8 4.1b 62 1-88
IDC XI 01 11 31 36.5–1.0 51.45N 174.37W 0 4.2L,4.1 **¶11456218**
ISCJB XI 01 11 31 40.7–1.3 51.37N–.10 174.21W–.08 41–9 4.1b,4.1
NEIC XI 01 11 31 43.4–1.4 51.61N 174.28W 44–9 3.2L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=18.3km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=7.6km az=166.6.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=7.6km az=170.0.
ISC XI 01 12 14 09.5–1.3 51.38N–.09 174.24W–.08 36–9 4.4b,3.0s 77 1-153
IDC XI 01 12 14 04.1–.71 51.43N 174.29W 0 4.1,4.1L **¶11456219**
ISCJB XI 01 12 14 07.2–2.1 51.28N–.08 174.25W–.06 32–12 4.4b,3.0s
NEIC XI 01 12 14 10.8–1.6 51.56N 174.30W 44–13 4.0b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=13.7km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=6.5km az=174.9.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=8.3km az=167.0.
ISC XI 01 14 04 44.8–1.9 51.5N–.20 177.70W–.09 58–12 3.6b 19 1-58
ISCJB XI 01 14 04 43.9–1.7 51.6N–.20 177.76W–.09 68–9 3.6b **¶13398879**
NEIC XI 01 14 04 46.2 51.37N 177.56W 35 3.5L
IDC XI 01 14 05 22.6–3.6 52.72N 174.00W 247–54 3.3,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.1km s-min=9.1km az=1.4.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=45.1km s-min=31.8km az=137.0.
ISC XI 01 23 33 51.3–.18 51.53N–.04 174.34W–.03 48 5.0b,4.5s 706 1-153
IDC XI 01 23 33 44.3–.56 51.54N 174.27W 0 4.7,4.7 **¶13398962**
SZGRF XI 01 23 33 47.0 51.67N 175.74W 28 5.3b,4.5s
BJI XI 01 23 33 48.7 51.94N 174.67W 32 5.2b,5.1b
NEIC XI 01 23 33 49.9–.56 51.47N 174.37W 37–4 5.1b,4.6s
ISCJB XI 01 23 33 49.3–.18 51.47N–.04 174.32W–.03 46 5.0b,4.5s
GCMT XI 01 23 33 50.0–.30 51.39N 174.34W 19–0 5.0W,4.5s
MOS XI 01 23 33 50.4–1.1 51.52N 174.33W 54 5.3b,4.4s
DJA XI 01 23 34 39 52.34N 177.68W 381 4.5b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=9.2km az=172.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=2.6km az=182.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.3km az=175.4.
GCMT Event type se. Data Used: II IC CN G IU. Moment Tensor Solution. s43,c61; s58,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}3.62±.17 $M_{\theta\theta}$-3.04±.12; $M_{\phi\phi}$-0.58±.11; $M_{r\theta}$2.61±.25; $M_{\theta\phi}$-1.12±.07; $M_{\phi r}$0.93±.26; Best double couple: NP1:ϕ_s248.00000°,δ26.00000°,λ88.00000°. NP2:ϕ_s70.00000°,δ64.00000°,λ91.00000°. Principal axes: T 4.5700,Plg71.0000° ,Azm341.0000°; N -0.1500,Plg1.0000°,Azm249.0000°; P -4.4300,Plg19.0000° ,Azm159.0000° $M_0$4.50000×10^{16}
MOS Error ellipse: s-maj=7.1km s-min=4.2km az=92.5.
ISC XI 02 00 33 14.6–.88 51.39N–.06 174.27W–.05 35–6 4.6b,3.7s 272 1-153
MOS XI 02 00 33 12.5–.80 51.41N 174.30W 31 5.1b,3.7s **¶13398967**
ISCJB XI 02 00 33 13.5–1.1 51.36N–.08 174.26W–.06 41–7 4.6b,3.7s
NEIC XI 02 00 33 15.8–.76 51.46N 174.32W 45–5 4.8b,3.7s
IDC XI 02 00 33 15.5–.69 51.51N 174.34W 40–6 4.1,4.0
SZGRF XI 02 00 33 19.8 52.38N 176.48W 45 4.7b,3.9s
ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=6.2km az=94.7.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=5.5km az=169.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.0km az=169.0.
IDC Error ellipse: s-maj=18.8km s-min=10.6km az=177.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISC XI 02 01 45 51.5–.28 51.47N–.05 174.28W–.04 46 4.6b,4.1s 346 1-153
SZGRF XI 02 01 45 46.7 50.74N 170.95W 61 4.9b,4.0s **¶13398972**
BJI XI 02 01 45 47.7 51.50N 174.30W 43 4.9b,4.8b
MOS XI 02 01 45 49.4–.90 51.44N 174.28W 42 5.1b,4.0s
ISCJB XI 02 01 45 49.3–.28 51.41N–.05 174.26W–.04 43 4.6b,4.1s
NEIC XI 02 01 45 50.4–.56 51.43N 174.29W 38–4 4.6b,4.1s
IDC XI 02 01 45 50.7–.63 51.43N 174.33W 43–5 4.2,4.1
ISC Event type se.
SZGRF South of Aleutian Islands.
MOS Error ellipse: s-maj=10.3km s-min=5.7km az=90.6.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.3km az=173.4.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.0km az=177.0.
IDC Error ellipse: s-maj=18.3km s-min=11.5km az=165.0.
ISC XI 02 08 00 22.9–.56 51.31N–.08 174.13W–.08 35 4.1b 46 1-89
IDC XI 02 08 00 17.5–1.2 51.40N 173.78W 0 4.1,3.9b **¶11456221**
ISCJB XI 02 08 00 20.8–.54 51.24N–.07 174.12W–.08 33 4.1b,3.9b
NEIC XI 02 08 00 21.0 51.17N 174.20W 10 3.4L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=14.0km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.9km az=2.1.
NEIC Event type se. After AEIC.
ISC XI 02 08 02 14.7–2.3 51.35N–.10 174.21W–.07 34–13 4.2b 68 1-87
ISCJB XI 02 08 02 10.4–2.3 51.25N–.07 174.17W–.07 18–15 4.2b **¶11456222**
NEIC XI 02 08 02 14.8–1.3 51.40N 174.23W 36–10 3.5L
IDC XI 02 08 02 16.3–3.0 51.51N 174.25W 49–28 3.9,3.8
SZGRF XI 02 08 02 21.7 52.50N 176.50W 33 4.6b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.5km az=170.8.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=6.1km az=168.0.
IDC Error ellipse: s-maj=25.3km s-min=13.8km az=165.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISC XI 02 13 39 58.2–.71 51.65N–.07 174.29W–.04 44–5 4.7s,4.5b 285 1-153
IDC XI 02 13 39 51.2–.57 51.51N 174.26W 0 4.4,4.3 **¶13399010**
MOS XI 02 13 39 55.6–.85 51.54N 174.30W 41 5.0b,4.3
ISCJB XI 02 13 39 56.5–.74 51.55N–.06 174.29W–.04 47–5 4.7s,4.5b
NEIC XI 02 13 39 57.7–.57 51.61N 174.33W 42–4 4.6b,4.1L
BJI XI 02 13 39 59.3 52.57N 174.64W 47 5.1s,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=9.6km az=169.0.
MOS Error ellipse: s-maj=11.0km s-min=6.5km az=82.6.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=4.1km az=171.2.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.2km az=172.0.
ISC XI 02 13 48 44.7–.10 51.60N–.02 174.36W–.02 50 5.8s,5.7b 1388 1-161
BGS XI 02 13 48 33.8–1.8 49.89N 172.03W 33–0 5.7s,5.3b **¶13399012**
IDC XI 02 13 48 39.2–1.5 51.57N 174.24W 14–9 5.7s,5.7
DJA XI 02 13 48 40 51.50N 173.89W 20 6.3W,5.7
MOS XI 02 13 48 40.8–.99 51.66N 174.35W 33 5.8b,5.7s
BJI XI 02 13 48 41.5 51.79N 174.66W 36 6.1s,6.0b
NEIC XI 02 13 48 42.8–.12 51.55N 174.37W 36 6.1W,5.8s
ISCJB XI 02 13 48 42.7–.10 51.54N–.02 174.34W–.02 48 5.8s,5.7b
GCMT XI 02 13 48 44.2–.10 51.38N 174.49W 20–0 6.1W,5.7b
SZGRF XI 02 13 48 47.8 51.50N 174.50W 57 5.9b,5.9s
ISC Event type se.
BGS Error ellipse: s-maj=205.4km s-min=900.3km az=-1.0.
IDC Error ellipse: s-maj=10.2km s-min=6.7km az=160.0.
MOS Error ellipse: s-maj=6.1km s-min=5.1km az=84.9.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.0km az=177.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=1.7km az=172.6.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=105, comp=252, per= 50. Moment Tensor Solution. s105,c244; s83,c128; Moment tensor: Scale 10^{18}Nm; M_{rr}1.16±.01 $M_{\theta\theta}$-1.03±.01; $M_{\phi\phi}$-0.13±.01; $M_{r\theta}$0.88±.02; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$0.43±.02; Best double couple: NP1:ϕ_s251.00000°,δ25.00000°,λ95.00000°. NP2:ϕ_s66.00000°,δ65.00000°,λ88.00000°. Principal axes: T 1.5200,Plg70.0000°,Azm330.0000°; N 0.0400,Plg2.0000°,Azm67.0000° ; P -1.5500,Plg20.0000°,Azm157.0000° $M_0$1.50000×10^{18}
SZGRF Andreanof Islands, Aleutian Islands, United States.

ISC XI 02 13 52 36.6–.49 51.35N–.07 174.25W–.08 35 4.5b 122 1-150
IDC XI 02 13 52 31.4–.85 51.48N 174.21W 0 5.0L,4.5 **¶11456223**
ISCJB XI 02 13 52 34.4–.47 51.27N–.07 174.20W–.08 33 4.5b,4.5
NEIC XI 02 13 52 37.3–.84 51.45N 174.29W 39–5 4.7b,4.0L
MOS XI 02 13 52 39.5–.72 52.25N 174.53W 33 5.0b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=16.2km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.1km az=179.4.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.9km az=170.0.
MOS Error ellipse: s-maj=23.4km s-min=9.6km az=85.2.
ISC XI 02 13 55 19.4–.87 51.54N–.07 174.38W–.06 40–5 4.8b 260 1-153
IDC XI 02 13 55 12.7–.69 51.63N 174.36W 0 4.5L,4.5 **¶13399014**
SZGRF XI 02 13 55 14.0 51.52N 176.63W 33 5.9s,4.9b
MOS XI 02 13 55 16.7–1.2 51.60N 174.24W 33 5.2b,4.9b
ISCJB XI 02 13 55 17.6–.94 51.49N–.07 174.33W–.06 40–6 4.8b,4.9b
NEIC XI 02 13 55 18.5–.35 51.53N 174.37W 35 5.1b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=13.3km az=161.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
MOS Error ellipse: s-maj=18.9km s-min=14.4km az=61.3.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=5.1km az=166.6.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.4km az=166.0.
ISC XI 02 14 21 08.8–.61 51.38N–.07 174.18W–.09 35 3.9b 45 1-88
IDC XI 02 14 21 03.9–.92 51.47N 174.32W 0 4.5L,4.1 **¶12071991**
ISCJB XI 02 14 21 06.3–.60 51.30N–.07 174.14W–.09 33 3.9b,4.1
NEIC XI 02 14 21 09.0–.66 51.42N 174.18W 35 3.5b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=19.0km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=7.7km az=174.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.0km az=166.0.
ISC XI 02 14 58 37.7–.88 51.36N–.09 174.28W–.09 35 3.4b 23 1-74
IDC XI 02 14 58 34.2–1.7 51.67N 174.25W 0 3.8,3.6 **¶12071995**
ISCJB XI 02 14 58 35.8–.88 51.29N–.08 174.19W–.09 33 3.4b,3.6
NEIC XI 02 14 58 35.9–7.0 51.40N 174.31W 18–42 4.1b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=52.8km s-min=16.4km az=175.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=8.2km az=3.3.
NEIC Event type se. Error ellipse: s-maj=36.1km s-min=10.4km az=170.0.
ISC XI 02 14 59 20.7–1.5 51.4N–.10 174.0W–.20 35 3.9b 12 1-62
ISCJB XI 02 14 59 17.4–1.4 51.2N–.10 174.0W–.20 33 3.9b **¶12071996**
NEIC XI 02 14 59 20.7–2.5 51.42N 174.10W 35 3.2L
IDC XI 02 14 59 24.2–5.8 52.69N 174.38W 0 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=14.9km az=146.1.
NEIC Event type se. Error ellipse: s-maj=43.1km s-min=15.0km az=169.0.
IDC Error ellipse: s-maj=140.8km s-min=21.3km az=163.0.
ISC XI 02 15 06 57.0–1.1 51.49N–.08 174.32W–.07 36–7 4.4b 155 1-153
ISCJB XI 02 15 06 56.3–1.1 51.48N–.09 174.36W–.07 44–7 4.4b **¶11456225**
NEIC XI 02 15 06 57.0–.37 51.51N 174.33W 35 4.8b
IDC XI 02 15 06 57.9–.84 51.55N 174.40W 46–7 4.0,3.9
MOS XI 02 15 06 58.8–.88 52.22N 174.61W 33 4.9b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=6.7km az=166.1.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.3km az=168.0.
IDC Error ellipse: s-maj=20.8km s-min=14.4km az=159.0.
MOS Error ellipse: s-maj=16.0km s-min=9.8km az=88.9.
ISC XI 02 17 08 11.8–1.6 51.6N–.20 174.2W–.10 62–12 3.7b 29 1-88
ISCJB XI 02 17 08 10.9–1.5 51.7N–.20 174.2W–.10 70–10 3.6b **¶12072006**
IDC XI 02 17 08 10.7–3.8 51.52N 174.12W 53–33 3.7,3.6L
NEIC XI 02 17 08 10.3–1.6 51.52N 174.14W 48–13 4.0b,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.0km s-min=11.0km az=168.5.
IDC Error ellipse: s-maj=30.9km s-min=18.7km az=169.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=8.7km az=164.0.
ISC XI 03 06 01 09.1–.29 51.71N–.06 174.36W–.04 50 4.7b,3.9s 405 1-153
BJI XI 03 06 01 03.9 52.22N 175.02W 6 5.0b,4.9b **¶11391104**
MOS XI 03 06 01 05.9–.84 51.75N 174.39W 33 5.1b,4.9b
ISCJB XI 03 06 01 07.0–.29 51.65N–.06 174.35W–.04 48 4.7b,3.9s
NEIC XI 03 06 01 07.7–.63 51.65N 174.36W 41–4 4.9b,4.1s
IDC XI 03 06 01 08.2–.63 51.63N 174.30W 49–4 4.2,4.2
ISC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=5.6km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=3.3km az=175.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=3.5km az=179.0.
IDC Error ellipse: s-maj=17.8km s-min=8.7km az=2.0.
ISC XI 03 07 30 52.0–2.7 51.25N–.08 174.2W–.10 19–16 3.8b 31 1-87
IDC XI 03 07 30 49.5–1.0 51.42N 174.12W 0 3.9,3.8 **¶12072086**
NEIC XI 03 07 30 50.6–.60 51.28N 174.22W 10 3.3L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=14.2km az=174.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.6km az=168.0.
ISC XI 03 13 16 09.1–.73 51.44N–.08 174.3W–.10 35 3.7b 23 1-88
IDC XI 03 13 16 03.8–1.1 51.56N 174.43W 0 4.0,3.8L **¶12072129**
ISCJB XI 03 13 16 07.0–.75 51.36N–.08 174.2W–.10 33 3.7b,3.8L
NEIC XI 03 13 16 09.1–.69 51.46N 174.27W 35 4.2b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=21.3km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=10.3km az=143.4.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.3km az=164.0.
ISC XI 03 14 52 43.8–.17 51.62N–.04 174.40W–.03 50 4.8b,3.9s 740 1-153
BJI XI 03 14 52 40.5 51.60N 174.40W 44 5.1b,4.9b **¶13399108**
MOS XI 03 14 52 40.1–.96 51.50N 174.33W 37 5.2b,4.9b
ISCJB XI 03 14 52 41.7–.17 51.56N–.04 174.39W–.03 48 4.8b,3.9s
NEIC XI 03 14 52 42.5–.63 51.55N 174.34W 44–5 4.9b,4.3L
IDC XI 03 14 52 43.4–.61 51.54N 174.35W 53–4 4.3,4.3
SZGRF XI 03 14 52 46.1 52.42N 175.94W 22 5.0b,3.8s
ISC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=5.0km az=89.5.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.1km az=7.4.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=2.8km az=183.0.
IDC Error ellipse: s-maj=14.6km s-min=8.8km az=170.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
ISC XI 04 02 44 32.1–2.3 51.3N–.10 174.16W–.06 24–12 4.1b 72 1-86
IDC XI 04 02 44 28.4–1.9 51.48N 174.23W 0 4.3L,4.0 **¶11456228**
ISCJB XI 04 02 44 32.2–2.3 51.30N–.08 174.09W–.06 33–15 4.1b,4.0
NEIC XI 04 02 44 33.4 51.25N 174.20W 20 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=50.1km s-min=21.4km az=8.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=6.0km az=179.1.
NEIC Event type se. After AEIC.
ISC XI 04 19 38 58.5–1.3 51.6N–.20 172.49W–.09 40–9 4.3s,3.9b 39 2-88
IDC XI 04 19 38 52.2–1.1 51.48N 172.37W 0 4.3s,4.3 **¶12072286**
ISCJB XI 04 19 38 57.5–1.3 51.7N–.20 172.51W–.09 47–10 4.3s,3.9b
NEIC XI 04 19 38 58.5–1.1 51.60N 172.49W 42–8 4.0b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=14.9km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=7.0km az=167.2.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=6.3km az=166.0.
ISC XI 06 16 17 52.3–2.0 51.4N–.20 178.2W–.20 47–18 3.6b 29 1-86
IDC XI 06 16 17 45.6–1.4 51.30N 178.04W 0 4.5L,3.7 **¶12072550**
ISCJB XI 06 16 17 52.1–1.7 51.5N–.20 178.1W–.20 59–13 3.6b,3.7
NEIC XI 06 16 17 53.3–1.7 51.42N 177.93W 56–15 3.7b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=22.5km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=34.5km s-min=16.5km az=160.3.
NEIC Event type se. Error ellipse: s-maj=30.5km s-min=16.3km az=154.0.
ISC XI 08 08 57 40.8–4.4 51.6N–.20 178.8W–.10 14–30 3.9b 27 1-73
NEIC XI 08 08 57 41.3 51.11N 178.66W 18 3.9L,3.6L **¶12072798**
IDC XI 08 08 57 50.7–3.2 51.80N 178.62W 102–27 4.0s,4.0
ISC Event type se.
NEIC Event type se. After AEIC.

IDC Error ellipse: s-maj=52.6km s-min=16.2km az=3.0.
ISC XI 10 12 40 47.9–.71 51.53N–.06 178.47W–.04 54–6 4.6b,3.4s 452 1-151
ISCJB XI 10 12 40 46.5–.73 51.48N–.06 178.45W–.03 58–6 4.6b,3.4s ¶12073067
NEIC XI 10 12 40 47.6–.62 51.46N 178.45W 54–5 4.6b,3.4s
IDC XI 10 12 40 48.0–2.2 51.51N 178.41W 61–18 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=3.5km az=177.6.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.2km az=174.0.
IDC Error ellipse: s-maj=17.3km s-min=9.4km az=164.0.
ISC XI 10 13 04 30.7–2.8 51.2N–.10 175.68W–.08 5–15 3.9b 18 1-57
IDC XI 10 13 04 29.9–2.0 51.13N 175.60W 0 3.9,3.6 ¶12073068
NEIC XI 10 13 04 34.5–2.5 51.32N 175.80W 38–28 3.3L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=58.0km s-min=12.7km az=5.0.
NEIC Event type se. Error ellipse: s-maj=40.6km s-min=13.3km az=161.0.
ISC XI 12 07 27 19.5–1.3 51.5N–.10 174.10W–.09 49–11 3.6b,2.7s 24 1-84
NEIC XI 12 07 27 17.3 51.24N 174.18W 24 4.3b,3.5L ¶12073278
ISCJB XI 12 07 27 18.3–1.4 51.5N–.20 174.13W–.10 57–11 3.6b,2.7s
IDC XI 12 07 27 20.4–1.1 51.49N 174.18W 61–9 3.7,3.5
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=25.5km s-min=9.6km az=173.4.
IDC Error ellipse: s-maj=30.5km s-min=18.3km az=179.0.
ISC XI 12 17 08 55.3–2.8 52.8N–.20 175.6W–.20 10–21 3.7b,3.3s 23 1-88
IDC XI 12 17 08 53.6–1.1 52.92N 175.46W 0 4.1L,3.8 ¶12073318
NEIC XI 12 17 08 55.0–.65 52.83N 175.52W 10 3.6b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=19.3km az=174.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.3km az=139.0.
ISC XI 13 12 50 15.3–1.3 51.4N–.30 179.3W–.10 35 3.3b 18 1-60
IDC XI 13 12 50 11.2–2.0 51.46N 178.83W 0 3.8s,3.7 ¶12073418
ISCJB XI 13 12 50 12.8–1.2 51.4N–.20 179.06W–.10 33 3.3b,3.7
NEIC XI 13 12 50 13.6 51.19N 179.21W 14 3.4L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=54.5km s-min=12.6km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=32.3km s-min=8.7km az=0.3.
NEIC Event type se. After AEIC.
ISC XI 14 11 04 18.3–.87 51.7N–.10 176.36W–.07 57–7 3.6b,3.2s 38 0-152
ISCJB XI 14 11 04 17.3–.79 51.8N–.10 176.42W–.07 64–6 3.6b,3.2s ¶12073511
NEIC XI 14 11 04 18.1–1.1 51.67N 176.47W 61–10 3.8b,3.6L
IDC XI 14 11 04 18.7–.81 51.86N 176.58W 64–7 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=5.7km az=168.8.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=9.3km az=163.0.
IDC Error ellipse: s-maj=30.0km s-min=14.4km az=162.0.
ISC XI 15 04 03 25.7–.44 51.47N–.03 175.03W–.02 46–3 5.1b,4.8s 855 1-160
BGS XI 15 04 03 17.2–2.2 50.38N 179.91E 40–0 5.3b,4.8s ¶13400221
MOS XI 15 04 03 22.7–.93 51.45N 175.02W 37 5.3b,4.7s
ISCJB XI 15 04 03 23.3–.48 51.41N–.03 175.01W–.02 41–3 5.1b,4.8s
IDC XI 15 04 03 24.5–1.5 51.49N 174.99W 39–12 4.8,4.8
GCMT XI 15 04 03 25.7–.20 51.30N 175.03W 18–0 5.3W,4.8
BJI XI 15 04 03 25.3 51.83N 175.49W 44 5.4b,5.3b
NEIC XI 15 04 03 25.2–.43 51.42N 175.04W 45–3 5.1b,5.1L
SZGRF XI 15 04 03 30.0 52.92N 177.37W 33 5.3b,4.7s
DJA XI 15 04 04 36 51.90N 179.67W 600 4.7b,4.7s
ISC Event type se.
BGS Error ellipse: s-maj=342.8km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=4.6km az=88.4.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.4km az=177.2.
IDC Error ellipse: s-maj=13.4km s-min=7.6km az=153.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s78,c136; s97,c178;
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00
Best double couple: NP1:ϕ_s253.00000°,δ28.00000°,λ96.00000°. NP2:ϕ_s66.00000°
,δ63.00000°,λ87.00000°. Principal axes: T 1.0200,Plg72.0000°,Azm329.0000°
; N 0.0300,Plg3.0000°,Azm68.0000°; P -1.0400,Plg17.0000°,Azm159.0000°
M_o1.00000×10^{17}
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.1km az=178.0.
SZGRF Andreanof Islands, Aleutian Islands, United States.
NEIC XI 17 15 32 07.4–1.6 51.57N 173.72W 10 3.5L
¶13400445
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=12.5km az=175.0.
ISC XI 26 03 54 57.0–.78 51.31N–.10 178.41W–.04 47–5 4.2b 84 1-151
NEIC XI 26 03 54 55.4 51.13N 178.36W 17 3.8L,3.6b ¶12074855
ISCJB XI 26 03 54 56.3–.75 51.3N–.10 178.42W–.04 56–4 4.2b,3.6b
IDC XI 26 03 54 57.8–3.1 51.42N 178.43W 57–25 3.8,3.7
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=4.2km az=173.6.
IDC Error ellipse: s-maj=24.8km s-min=13.7km az=172.0.
ISC XII 01 17 29 26.4–.55 51.47N–.04 179.12W–.03 44–4 4.8b,3.9s 634 0-151
MOS XII 01 17 29 23.8–.95 51.35N 179.11W 43 4.9b,3.9s ¶13401653
BJI XII 01 17 29 23.4 51.67N 179.39W 29 5.1b,4.9s
IDC XII 01 17 29 24.0–3.2 51.38N 179.09W 33–23 4.5,4.5
ISCJB XII 01 17 29 25.1–.56 51.40N–.05 179.10W–.03 51–4 4.8b,3.9s
NEIC XII 01 17 29 25.6–.49 51.36N 179.13W 46–4 4.8b,4.4L
SZGRF XII 01 17 29 27.0 52.08N 177.16E 33 5.1b,4.4L
ISC Event type se.
MOS Error ellipse: s-maj=9.2km s-min=6.3km az=87.9.
IDC Error ellipse: s-maj=16.2km s-min=10.1km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=2.8km az=5.2.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.1km az=176.0.
SZGRF Rat Islands, Aleutian Islands, United States.
ISC XII 05 21 57 02.4–1.3 51.6N–.10 179.68W–.06 4–7 3.4b 34 1-150
IDC XII 05 21 57 01.9–.66 51.45N 179.55W 0 3.8,3.7 ¶12075928
ISCJB XII 05 21 57 02.9–1.2 51.6N–.10 179.74W–.06 17–8 3.4b,3.7
NEIC XII 05 21 57 02.7 51.72N 179.76W 11 3.5L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=11.1km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=6.5km az=179.1.
NEIC Event type se. After AEIC.
ISC XII 11 20 47 20.9–1.4 51.3N–.10 174.2W–.10 43–14 3.6b 30 1-80
ISCJB XII 11 20 47 20.1–1.6 51.3N–.10 174.2W–.10 55–13 3.6b ¶12076991
NEIC XII 11 20 47 21.6–2.4 51.33N 174.24W 52–13 3.1L
IDC XII 11 20 47 22.9–3.4 52.74N 175.09W 0 3.9,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.8km s-min=7.9km az=158.8.
NEIC Event type se. Error ellipse: s-maj=37.1km s-min=7.0km az=157.0.
IDC Error ellipse: s-maj=103.3km s-min=23.6km az=159.0.
ISC XII 14 01 51 45.4–.36 52.4N–.10 172.98W–.07 112–4 3.9b 59 1-150
ISCJB XII 14 01 51 44.4–.35 52.5N–.10 172.99W–.07 117–4 3.9b ¶12077373
IDC XII 14 01 51 45.0–1.1 52.61N 173.14W 109–9 3.9,3.6b
NEIC XII 14 01 51 46.4 52.35N 172.99W 109 4.0b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=5.2km az=163.9.
IDC Error ellipse: s-maj=33.6km s-min=15.4km az=155.0.
NEIC Event type se. After AEIC.
ISC XII 14 04 43 19.0–1.6 51.38N–.06 174.20W–.05 24–11 4.4b,3.8s 129 1-87
IDC XII 14 04 43 15.3–.87 51.53N 174.21W 0 4.1,4.0 ¶11538948
ISCJB XII 14 04 43 18.4–1.5 51.33N–.07 174.16W–.05 33–9 4.4b,3.8s
NEIC XII 14 04 43 19.2–1.4 51.38N 174.19W 26–8 3.9b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=14.1km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.0km az=172.7.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=3.5km az=166.0.
ISC XII 14 04 50 06.0–1.5 51.41N–.07 174.17W–.05 26–9 4.2b 114 1-88
IDC XII 14 04 50 01.9–1.1 51.48N 174.03W 0 4.0,3.9 ¶12077396
ISCJB XII 14 04 50 03.8–1.6 51.49N–.08 174.07W–.05 22–10 4.2b,3.9
NEIC XII 14 04 50 04.8–1.5 51.32N 174.12W 23–8 3.9b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=14.1km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=4.9km az=176.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=3.7km az=164.0.
ISC XII 15 20 56 35.2–2.2 51.3N–.10 174.03W–.08 32–20 3.8b 31 1-87
ISCJB XII 15 20 56 34.7–1.5 51.2N–.10 174.04W–.09 52–11 3.8b ¶12077659
NEIC XII 15 20 56 35.9 51.34N 174.24W 0 3.2L
IDC XII 15 20 56 40.1–1.1 52.87N 174.69W 0 4.0,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=9.4km az=173.2.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=34.9km s-min=20.9km az=158.0.
ISC XII 16 00 20 45.1–1.4 52.29N–.06 172.54W–.04 34–10 4.4b,3.4s 359 1-153
IDC XII 16 00 20 39.9–.58 52.37N 172.59W 0 4.4,4.2b ¶12077686
ISCJB XII 16 00 20 44.0–.45 52.32N–.05 172.53W–.04 39–4 4.4b,3.4s
NEIC XII 16 00 20 44.5–.93 52.26N 172.53W 30–7 4.5b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=13.6km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=3.8km az=166.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=2.4km az=165.0.
ISC XII 16 06 42 26.3–1.6 51.24N–.06 174.26W–.07 15–9 3.6b 39 1-80
IDC XII 16 06 42 26.6–1.8 51.90N 174.25W 0 3.9L,3.9 ¶12077725
NEIC XII 16 06 42 28.8 51.38N 174.47W 7 3.3L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=48.5km s-min=20.1km az=3.0.
NEIC Event type se. After AEIC.
ISC XII 16 07 47 27.9–2.0 51.30N–.08 174.16W–.06 24–13 4.1b 56 1-87
IDC XII 16 07 47 23.8–.90 51.40N 174.21W 0 4.2L,4.0 ¶12077726
ISCJB XII 16 07 47 27.0–2.0 51.26N–.06 174.10W–.06 31–14 4.1b,4.0
NEIC XII 16 07 47 28.9 51.37N 174.37W 3 3.4L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=16.9km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=175.4.
NEIC Event type se. After AEIC.
ISC XII 16 08 13 02.7–.50 52.2N–.20 173.90W–.09 82–5 3.3b 45 0-88
IDC XII 16 08 12 52.0–1.1 51.93N 173.90W 0 4.3L,3.9 ¶12077727
ISCJB XII 16 08 13 01.7–.49 52.2N–.20 173.89W–.09 87–4 3.3b,3.9
NEIC XII 16 08 13 03.1 51.83N 173.78W 52 3.7L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=47.7km s-min=20.3km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=30.0km s-min=5.2km az=164.4.
NEIC Event type se. After AEIC.
ISC XII 16 14 50 48.9–.91 52.4N–.20 172.7W–.10 35 3.3b 15 1-55
IDC XII 16 14 50 41.6–5.0 52.44N 173.28W 0 3.7,3.4b ¶12077769
NEIC XII 16 14 50 46.0 52.22N 172.58W 1 2.9L,3.4b
ISCJB XII 16 14 50 47.1–.92 52.3N–.20 172.51W–.10 33 3.3b,3.4b
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC XII 16 22 01 14.1–2.0 51.29N–.07 174.15W–.08 16–15 3.7b 35 1-62
NEIC XII 16 22 01 15.3 51.30N 174.12W 14 3.4L ¶12077818
IDC XII 16 22 01 29.7–4.4 52.84N 174.61W 92–39 3.4,3.2b
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=83.1km s-min=23.7km az=176.0.
ISC XII 17 04 15 28.7–.53 51.40N–.06 177.46W–.03 41–4 4.4b,3.4s 427 0-152
IDC XII 17 04 15 22.3–.58 51.35N 177.38W 0 4.2,4.1 ¶12077856
MOS XII 17 04 15 25.3–.89 51.39N 177.48W 28 4.5b,4.1
ISCJB XII 17 04 15 27.4–.53 51.35N–.06 177.43W–.03 47–4 4.4b,3.4s
NEIC XII 17 04 15 28.8–.42 51.41N 177.50W 42–3 4.4b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=9.4km az=179.0.
MOS Error ellipse: s-maj=11.7km s-min=8.8km az=55.2.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=3.0km az=175.3.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=2.3km az=175.0.
IDC XII 23 15 03 28.3–1.5 51.08N 177.95W 0 3.8,3.6
¶12078686
IDC Error ellipse: s-maj=38.2km s-min=13.7km az=6.0.
ISC XII 25 03 50 21.5–1.8 51.0N–.10 179.36W–.08 9–7 3.3b 22 1-47
IDC XII 25 03 50 20.5–3.4 51.02N 179.30W 0 3.7,3.4 ¶12078882
ISCJB XII 25 03 50 21.9–1.8 51.0N–.10 179.33W–.09 24–10 3.3b,3.4
NEIC XII 25 03 50 24.1 51.08N 179.52W 11 2.8L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=78.0km s-min=14.6km az=6.0.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=8.8km az=10.4.
NEIC Event type se. After AEIC.
ISC XII 25 12 36 56.5–.90 52.3N–.20 173.6W–.10 86–5 3.5b 27 0-153
ISCJB XII 25 12 36 55.3–.97 52.2N–.20 173.7W–.10 96–5 3.5b ¶12078933
NEIC XII 25 12 36 56.7 51.82N 173.25W 26 2.9L
IDC XII 25 12 36 57.9–3.5 52.33N 173.69W 98–33 3.5,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.1km s-min=11.2km az=0.8.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=50.7km s-min=19.0km az=4.0.
ISC XII 26 05 06 43.4–.67 51.6N–.10 179.44W–.06 78–6 3.4b 33 1-60
ISCJB XII 26 05 06 42.3–.67 51.6N–.10 179.45W–.06 87–6 3.4b ¶12078998
IDC XII 26 05 06 45.0–3.3 51.86N 179.48W 87–29 3.4,3.3
NEIC XII 26 05 06 44.3 51.50N 179.44W 66 3.3L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=6.5km az=0.1.
IDC Error ellipse: s-maj=53.7km s-min=14.8km az=1.0.
NEIC Event type se. After AEIC.

(8) Pribilof Islands.
NEIC VII 13 18 03 07.6 56.31N 168.32W 19 3.6L
¶12951259
NEIC Event type se. After AEIC.

(9) Fox Islands.
ISC VII 01 12 00 25.8–2.4 51.96N–.09 169.94W–.08 24–16 4.1b,3.6s 52 2-90
BJI VII 01 12 00 22.6 51.80N 169.70W 28 4.7b,4.6s ¶13379041
NEIC VII 01 12 00 25.6 51.85N 169.74W 29 4.2b,3.7L
IDC VII 01 12 00 28.9–6.2 52.06N 170.01W 46–60 4.8L,4.0
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=22.0km s-min=14.0km az=180.0.
ISC VII 01 15 50 31.2–.92 52.43N–.04 168.26W–.03 20–6 4.9b,4.4s 705 1-154
IDC VII 01 15 50 27.2–.56 52.42N 168.21W 0 4.8,4.7 ¶13379059
ISCJB VII 01 15 50 28.7–.99 52.35N–.04 168.28W–.03 17–6 4.9b,4.4s
BJI VII 01 15 50 28.9 52.99N 168.63W 8 5.1b,5.0b
MOS VII 01 15 50 31.1–1.1 52.41N 168.31W 33 5.2b,4.5s
NEIC VII 01 15 50 32.5–.99 52.40N 168.29W 31–6 4.9b,4.5s
GCMT VII 01 15 50 33.5–.30 52.23N 168.16W 16–0 5.0W,4.5s
SZGRF VII 01 15 50 45.9 54.45N 169.78W 33 5.1b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=10.9km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=2.5km az=18.7.
MOS Error ellipse: s-maj=8.7km s-min=4.8km az=92.8.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=2.9km az=194.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c62; s70,c109;
Moment tensor: Scale 10^{16}Nm; M_{rr}3.01±.14 $M_{\theta\theta}$-2.47±.11; $M_{\phi\phi}$-0.54±.08; $M_{r\theta}$2.30±.29;
$M_{\theta\phi}$-1.05±.07; $M_{\phi r}$0.93±.27; Best double couple: NP1:ϕ_s245.00000°,δ25.00000°,λ88.00000°.
NP2:ϕ_s67.00000°,δ65.00000°,λ91.00000°. Principal axes: T 3.9100,Plg70.0000°
,Azm339.0000°; N -0.0800,Plg1.0000°,Azm247.0000°; P -3.8300,Plg20.0000°
,Azm157.0000° M_o3.90000×10^{16}
SZGRF Fox Islands, Aleutian Islands, United States.
ISC VII 04 06 34 49.7–1.5 52.1N–.20 171.6W–.10 56–13 3.8b 13 2-89
IDC VII 04 06 34 41.9–.92 52.10N 171.67W 0 4.0,3.8b ¶11810591
ISCJB VII 04 06 34 48.8–1.5 52.2N–.20 171.6W–.10 64–12 3.8b,3.8b
NEIC VII 04 06 34 48.2 52.15N 171.50W 26 3.5L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=19.6km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=31.7km s-min=10.7km az=162.5.
NEIC Event type se. After AEIC.

ISC VII 04 16 41 21.6–1.2 53.6N–.10 165.81W–.08 53–7 3.8b,3.0s 33 1-124
NEIC VII 04 16 41 18.5 53.37N 165.69W 13 3.8L,3.0s **¶11810627**
ISCJB VII 04 16 41 20.4–1.2 53.6N–.10 165.74W–.08 61–6 3.8b,3.0s
IDC VII 04 16 41 23.4–3.8 53.78N 165.75W 65–33 3.7,3.6
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=7.9km az=171.5.
IDC Error ellipse: s-maj=28.3km s-min=15.4km az=1.0.
ISC VII 05 05 01 25.6–3.9 52.0N–.20 171.2W–.10 4–25 3.9b 25 3-76
IDC VII 05 05 01 25.1–1.3 52.06N 171.12W 0 4.1,3.9b **¶11810675**
NEIC VII 05 05 01 29.2 52.10N 170.96W 12 3.5L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=16.0km az=6.0.
NEIC Event type se. After AEIC.
ISC VII 06 00 39 45.2–1.2 52.07N–.10 169.60W–.09 36–9 4.0b 39 1-90
IDC VII 06 00 39 39.6–.86 52.04N 169.54W 0 4.8L,4.1 **¶11810747**
ISCJB VII 06 00 39 44.3–1.3 52.1N–.10 169.57W–.10 46–9 4.0b,4.1
NEIC VII 06 00 39 45.2–1.2 52.03N 169.56W 37–9 4.0b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=15.5km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=7.9km az=159.9.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=7.4km az=168.0.
ISC VII 08 02 28 32.1–2.4 55.99N–.05 166.16W–.07 3–16 3.9b 32 2-84
ISCJB VII 08 02 28 31.1–1.6 56.09N–.04 166.08W–.07 8–11 3.9b **¶11810955**
IDC VII 08 02 28 32.1–1.3 56.18N 166.19W 0 4.1L,4.1
NEIC VII 08 02 28 32.2 56.12N 166.13W 5 3.9L,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.1km az=138.2.
IDC Error ellipse: s-maj=45.1km s-min=15.6km az=10.0.
NEIC Event type se. After AEIC.
ISC VII 10 14 13 08.4–.84 53.52N–.08 165.83W–.09 52–6 3.8b,2.7s 35 1-86
NEIC VII 10 14 13 06.8 53.41N 165.74W 23 3.6L,2.7s **¶11811178**
ISCJB VII 10 14 13 07.1–.88 53.50N–.08 165.78W–.09 59–6 3.8b,2.7s
IDC VII 10 14 13 10.7–4.1 53.85N 165.90W 61–37 3.7,3.7L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=7.4km az=153.3.
IDC Error ellipse: s-maj=31.1km s-min=16.7km az=0.0.
ISC VII 12 21 32 55.7–1.4 52.51N–.04 168.81W–.04 32–9 4.5b,3.7s 351 2-151
IDC VII 12 21 32 50.0–.58 52.50N 168.85W 0 4.5,4.4 **¶13389013**
ISCJB VII 12 21 32 52.5–1.3 52.45N–.04 168.81W–.04 22–9 4.5b,3.7s
BJI VII 12 21 32 53.1 52.50N 168.80W 37 4.8b,4.5b
NEIC VII 12 21 32 56.1–.63 52.47N 168.77W 38–5 4.5b,4.1L
MOS VII 12 21 33 00.1–.72 53.52N 169.54W 33 4.8b,4.1L
SZGRF VII 12 21 33 04.6 53.79N 168.94W 33 4.6b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=12.8km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=10.7.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.0km az=179.0.
MOS Error ellipse: s-maj=21.8km s-min=6.6km az=93.1.
SZGRF Fox Islands, Aleutian Islands, United States.
ISC VII 18 20 40 57.4–1.4 52.4N–.20 170.6W–.10 49–11 3.8b 14 2-76
IDC VII 18 20 40 50.1–1.6 52.24N 170.59W 0 4.1L,4.0 **¶11811970**
ISCJB VII 18 20 40 56.4–1.3 52.5N–.20 170.6W–.10 58–10 3.8b,4.0
NEIC VII 18 20 40 57.0–1.4 52.42N 170.63W 47–12 3.4L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=67.9km s-min=22.1km az=8.0.
ISCJB Event type se. Error ellipse: s-maj=35.1km s-min=6.9km az=163.3.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=9.8km az=168.0.
NEIC VII 30 11 03 08.4 53.32N 168.02W 0 3.5L,2.9L
¶12951760
NEIC Event type se. After AEIC.
NEIC VII 30 14 41 22.1 52.35N 169.66W 13 3.7L,3.2L
¶12951758
NEIC Event type se. After AEIC.
ISC VII 31 09 06 01.6–3.7 51.8N–.10 171.24W–.09 3–24 3.6b 13 2-89
ISCJB VII 31 09 06 00.7–2.9 51.7N–.10 171.20W–.09 8–20 3.6b **¶11813007**
IDC VII 31 09 06 00.3–1.4 51.97N 171.51W 0 3.7,3.5L
NEIC VII 31 09 06 05.4 51.76N 171.17W 32 3.6L,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=7.7km az=167.3.
IDC Error ellipse: s-maj=55.3km s-min=26.9km az=172.0.
NEIC Event type se. After AEIC.
ISC VIII 01 13 15 11.5–1.1 52.8N–.10 166.94W–.09 39–8 3.9b 36 1-76
NEIC VIII 01 13 15 05.6 52.36N 166.57W 26 3.8b,3.3L **¶11907666**
IDC VIII 01 13 15 06.0–1.4 52.83N 167.14W 0 3.9,3.8b
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=35.9km s-min=17.8km az=2.0.
ISC VIII 07 07 27 41.8–.48 53.49N–.02 167.45W–.02 26–3 5.0b,4.5s 917 0-153
IDC VIII 07 07 27 39.2–2.5 53.46N 167.55W 10–14 4.6,4.6 **¶13391060**
ISCJB VIII 07 07 27 40.8–.47 53.50N–.02 167.43W–.02 32–3 5.0b,4.5s
BJI VIII 07 07 27 40.7 53.89N 166.77W 45 5.0b,4.9s
MOS VIII 07 07 27 41.2–.99 53.53N 167.39W 33 5.2b,4.5s
GCMT VIII 07 07 27 41.7–.20 53.24N 167.28W 17–0 5.2W,4.5s
NEIC VIII 07 07 27 42.4–.69 53.49N 167.47W 32–4 5.3L,5.1b
DJA VIII 07 07 27 47 53.29N 169.00W 30 5.5b,5.1b
ISC Event type fe.
IDC Error ellipse: s-maj=15.8km s-min=9.9km az=177.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.2km az=4.5.
MOS Error ellipse: s-maj=7.3km s-min=5.3km az=78.1.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s63,c92; s82,c139; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.40±.20 $M_{\theta\theta}$-0.22±.16; $M_{\phi\phi}$6.62±.14; $M_{r\theta}$0.74±.41; $M_{\theta\phi}$1.31±.11; $M_{\phi r}$-0.17±.31; Best double couple: NP1:ϕ_s198.00000°,δ45.00000°,λ-80.00000°. NP2:ϕ_s3.00000°,δ46.00000°,λ-100.00000°. Principal axes: T 6.8600,Plg0.0000° ,Azm100.0000°; N -0.3700,Plg7.0000°,Azm10.0000°; P -6.5000,Plg83.0000°,Azm192.0000° M_o6.70000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=2.6km az=180.0. Felt at Dutch Harbor.
ISC VIII 10 14 49 44.0–2.4 52.15N–.06 166.21W–.07 8–15 4.0b 39 2-152
IDC VIII 10 14 49 41.5–.91 51.92N 166.21W 0 4.1,3.9b **¶11908044**
ISCJB VIII 10 14 49 42.3–2.0 52.07N–.06 166.15W–.07 12–13 4.0b,3.9b
NEIC VIII 10 14 49 43.6–3.4 52.08N 166.17W 9–20 4.0b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=18.0km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.3km az=3.2.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.3km az=168.0.
NEIC VIII 16 19 54 26.4 55.10N 165.36W 193 3.9b
¶12099991
NEIC Event type se. After AEIC.
ISC VIII 18 02 21 19.5–.46 52.09N–.03 170.62W–.02 36–3 5.3b,4.6s 1321 1-161
ISCJB VIII 18 02 21 14.7–.89 52.03N–.02 170.64W–.02 15–6 5.3b,4.6s **¶13391972**
BGS VIII 18 02 21 17.1–1.7 51.83N 170.92W 33–0 5.0b,4.6s
IDC VIII 18 02 21 17.8–2.5 52.12N 170.65W 26–15 5.2,5.2
MOS VIII 18 02 21 17.3–1.0 52.03N 170.64W 33 5.6b,4.6s
NEIC VIII 18 02 21 19.1–.97 52.15N 170.60W 31–6 5.3b,5.0L
GCMT VIII 18 02 21 20.9–.20 51.92N 170.61W 22–0 5.2W,5.0L
BJI VIII 18 02 21 20.4 52.48N 171.27W 42 5.5b,5.2b
SZGRF VIII 18 02 21 21.8 52.65N 171.65W 33 5.6b,5.2b
DJA VIII 18 02 21 37 52.12N 171.27W 177 5.2b,5.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.1km az=14.5.
BGS Error ellipse: s-maj=252.5km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=16.5km s-min=10.0km az=172.0.
MOS Error ellipse: s-maj=6.8km s-min=3.6km az=90.5.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=2.4km az=191.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c117; s82,c148; Moment tensor: Scale 10^{16}Nm; M_{rr}5.07±.16 $M_{\theta\theta}$-5.21±.13; $M_{\phi\phi}$0.15±.11; $M_{r\theta}$4.29±.24; $M_{\theta\phi}$-2.61±.09; $M_{\phi r}$2.11±.22; Best double couple: NP1:ϕ_s252.00000°,δ25.00000°,λ97.00000°. NP2:ϕ_s65.00000°,δ65.00000°,λ87.00000°. Principal axes: T 6.8300,Plg70.0000° ,Azm328.0000°; N 1.1900,Plg3.0000°,Azm66.0000°; P -8.0100,Plg20.0000°,Azm157.0000° M_o7.40000×10^{16}
SZGRF Fox Islands, Aleutian Islands, United States.
ISC VIII 22 21 15 55.0–1.3 52.3N–.10 168.55W–.10 43–9 3.9b 28 1-87
IDC VIII 22 21 15 49.9–1.4 52.52N 168.50W 0 4.1,3.9L **¶11908603**
NEIC VIII 22 21 15 50.8 52.17N 168.49W 7 3.4L,3.9L
ISCJB VIII 22 21 15 52.9–1.5 52.2N–.10 168.6W–.10 44–10 3.9b,3.9L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 23 21 27 54.8–2.0 52.25N–.08 168.5W–.10 25–13 3.6b 20 1-91
IDC VIII 23 21 27 51.1–1.1 52.30N 168.66W 0 3.9,3.7b **¶11908660**
ISCJB VIII 23 21 27 53.7–2.2 52.20N–.09 168.5W–.10 33–14 3.6b,3.7b
NEIC VIII 23 21 27 53.6 52.20N 168.40W 20 3.0L,3.0L
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=23.2km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=8.7km az=141.9.
NEIC Event type se. After AEIC.
ISC IX 04 17 55 56.5–.67 53.23N–.07 166.87W–.05 43–6 4.2s,4.1b 78 1-152
IDC IX 04 17 55 49.8–.56 53.14N 167.01W 0 4.2L,4.2 **¶11279445**
BJI IX 04 17 55 51.6 53.00N 166.70W 25 5.2b,4.7s
NEIC IX 04 17 55 53.6 53.05N 166.72W 25 4.5L,4.3L
ISCJB IX 04 17 55 55.3–.68 53.23N–.07 166.87W–.05 50–6 4.2s,4.1b
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC IX 10 21 59 54.6–.96 51.17N–.09 169.67W–.10 10 3.5b 14 2-89
IDC IX 10 21 59 52.0–1.6 50.87N 169.48W 0 3.7,3.5L **¶11910005**
ISCJB IX 10 21 59 52.6–.94 51.12N–.08 169.64W–.10 10 3.5b,3.5L
NEIC IX 10 21 59 56.6 51.17N 169.73W 10 3.0L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=44.9km s-min=29.8km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.5km az=153.7.
NEIC Event type se. After AEIC.
NEIC IX 11 13 52 39.0 52.25N 168.16W 22 3.6L,3.0L
¶12951992
NEIC Event type se. After AEIC.
ISC IX 12 15 07 38.6–1.2 52.0N–.10 171.44W–.08 36–10 3.6b 22 2-89
IDC IX 12 15 07 32.7–.87 51.96N 171.62W 0 3.8,3.6b **¶11910107**
ISCJB IX 12 15 07 37.8–1.2 52.1N–.10 171.42W–.08 45–10 3.6b,3.6b
NEIC IX 12 15 07 38.4 52.00N 171.41W 21 3.3L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=18.9km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=5.8km az=165.6.
NEIC Event type se. After AEIC.
ISC X 08 16 46 45.2–.27 52.73N–.05 167.07W–.04 19 4.8b,4.2s 488 1-154
IDC X 08 16 46 41.6–.59 52.75N 167.04W 0 4.7,4.6 **¶13396415**
ISCJB X 08 16 46 43.1–.26 52.67N–.05 167.07W–.04 18 4.8b,4.2s
MOS X 08 16 46 43.0–1.1 52.73N 167.18W 17 5.1b,4.1s
NEIC X 08 16 46 43.7–1.5 52.68N 167.05W 12–8 4.9b,4.2L
BJI X 08 16 46 44.9 53.27N 167.67W 15 5.0b,5.0b
GCMT X 08 16 46 48.7–.30 52.58N 167.05W 19–0 4.9W,5.0b
SZGRF X 08 16 46 59.2 55.05N 168.03W 33 5.0b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=10.8km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.2km az=168.2.
MOS Error ellipse: s-maj=10.7km s-min=4.6km az=92.5.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.4km az=172.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s41,c54; s75,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}2.70±.14 $M_{\theta\theta}$-1.91±.09; $M_{\phi\phi}$-0.79±.08; $M_{r\theta}$1.46±.18; $M_{\theta\phi}$-0.87±.05; $M_{\phi r}$-0.05±.19; Best double couple: NP1:ϕ_s232.00000°,δ33.00000°,λ70.00000°. NP2:ϕ_s75.00000°,δ59.00000°,λ102.00000°. Principal axes: T 3.1500,Plg73.0000° ,Azm15.0000°; N -0.4600,Plg10.0000°,Azm248.0000°; P -2.6900,Plg14.0000° ,Azm156.0000° M_o2.90000×10^{16}
SZGRF Fox Islands, Aleutian Islands, United States.
ISC X 08 17 18 53.2–1.1 52.77N–.03 167.16W–.03 11–6 4.8b,3.9s 644 1-152
IDC X 08 17 18 50.6–.61 52.71N 167.10W 0 4.7,4.6 **¶13396419**
ISCJB X 08 17 18 51.3–.15 52.72N–.03 167.18W–.03 10 4.8b,3.9s
MOS X 08 17 18 52.8–1.1 52.78N 167.20W 20 5.1b,3.9s
NEIC X 08 17 18 52.8 52.50N 166.89W 24 4.8b,4.2s
BJI X 08 17 18 53.3 53.36N 167.86W 5 5.0b,4.9b
SZGRF X 08 17 18 56.5 52.55N 168.00W 33 5.3b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=11.5km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.3km az=13.0.
MOS Error ellipse: s-maj=11.0km s-min=4.5km az=91.6.
NEIC Event type se. After AEIC.
SZGRF Fox Islands, Aleutian Islands, United States.
ISC X 08 18 51 07.8–1.6 52.7N–.20 166.9W–.10 38–9 4.0b,3.1s 41 1-86
IDC X 08 18 51 02.8–1.5 52.75N 167.09W 0 4.1,4.0b **¶13396428**
NEIC X 08 18 51 02.5 52.46N 166.86W 4 3.5L,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=19.9km az=166.0.
NEIC Event type se. After AEIC.
IDC X 09 01 09 13.9–8.3 52.13N 171.73W 75–76 3.6L,3.6
¶12066389
IDC Error ellipse: s-maj=74.3km s-min=37.6km az=164.0.
ISC X 09 13 07 08.8–3.4 51.8N–.10 171.22W–.07 9–21 3.7b 29 2-89
IDC X 09 13 07 07.0–1.0 51.93N 171.33W 0 4.0,3.8b **¶12066426**
NEIC X 09 13 07 10.7 51.92N 171.35W 13 3.2L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=18.4km az=179.0.
NEIC Event type se. After AEIC.
ISC X 23 18 50 47.1–2.4 51.8N–.40 170.4W–.30 35 3.6b 15 3-76
IDC X 23 18 50 41.4–4.0 51.90N 170.02W 0 3.9,3.8 **¶12070925**
ISCJB X 23 18 50 44.1–2.4 51.6N–.30 170.3W–.30 33 3.6b,3.8
NEIC X 23 18 50 47.0 51.90N 170.38W 27 3.3L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=105.7km s-min=24.7km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=53.5km s-min=8.9km az=154.8.
NEIC Event type se. After AEIC.
ISC X 30 16 06 43.9–.88 52.8N–.10 168.35W–.08 47–6 3.9b 47 0-91
IDC X 30 16 06 37.3–.75 52.87N 168.37W 0 4.1,4.1 **¶12071638**
ISCJB X 30 16 06 42.5–.87 52.78N–.10 168.34W–.08 52–5 3.9b,4.1
NEIC X 30 16 06 42.2 52.70N 168.20W 20 4.1b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=13.8km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=6.4km az=161.5.
NEIC Event type se. After AEIC.
ISC X 31 17 08 13.6–1.3 51.96N–.06 169.98W–.05 6–7 4.6b,3.8s 325 1-154
ISCJB X 31 17 08 11.5–1.4 51.94N–.06 170.00W–.05 3–8 4.6b,3.8s **¶11380417**
IDC X 31 17 08 12.6–.60 51.98N 170.05W 0 4.6L,4.5
NEIC X 31 17 08 13.7–1.6 51.99N 169.94W 7–9 4.7b,4.5
MOS X 31 17 08 17.1–1.0 52.14N 170.12W 33 5.0b,4.5
BJI X 31 17 08 17.1 52.45N 170.75W 21 4.8b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=4.1km az=163.4.
IDC Error ellipse: s-maj=18.9km s-min=11.2km az=167.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.1km az=170.0.
MOS Error ellipse: s-maj=11.6km s-min=5.7km az=100.1.
ISC XI 01 21 10 34.1–.45 54.4N–.20 165.8W–.10 101–8 3.7b 43 0-149
ISCJB XI 01 21 10 32.9–.46 54.4N–.20 165.7W–.10 109–7 3.7b **¶12071910**
IDC XI 01 21 10 33.5–3.8 54.44N 165.63W 96–31 3.6,3.5b
NEIC XI 01 21 10 35.4 54.08N 165.58W 102 3.5,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.7km s-min=6.7km az=153.3.
IDC Error ellipse: s-maj=36.1km s-min=19.0km az=176.0.
NEIC Event type se. After AEIC.
ISC XI 03 11 03 14.5–3.8 51.9N–.10 170.4W–.10 4–24 3.8b 28 1-76
IDC XI 03 11 03 13.8–1.4 51.98N 170.47W 0 4.0,3.8b **¶12072111**
NEIC XI 03 11 03 18.1 51.76N 170.31W 25 3.5b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=14.1km az=176.0.

NEIC Event type se. After AEIC.
ISC XI 05 05 04 46.9–.11 52.01N–.02 170.53W–.02 38 5.3b,4.8s 1358 1-160
ISCJB XI 05 05 04 44.9–.11 51.97N–.02 170.51W–.02 36 5.3b,4.8s ¶13399281
BJI XI 05 05 04 45.2 52.56N 171.09W 19 5.4b,5.3b
MOS XI 05 05 04 45.9–.91 52.19N 170.74W 33 5.6b,4.7s
IDC XI 05 05 04 45.2–2.1 52.05N 170.56W 26–12 5.0,4.9
BGS XI 05 05 04 46.2–2.0 52.04N 170.54W 33–0 4.8b,4.9
NEIC XI 05 05 04 46.1–.89 52.04N 170.54W 30–6 5.4b,5.3L
GCMT XI 05 05 04 47.7–.20 51.83N 170.56W 17–0 5.3W,5.3L
DJA XI 05 05 05 38 52.34N 174.36W 419 4.9b,5.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=1.6km az=8.4.
MOS Error ellipse: s-maj=9.2km s-min=4.0km az=91.3.
IDC Error ellipse: s-maj=16.0km s-min=8.8km az=172.0.
BGS Error ellipse: s-maj=411.0km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.2km az=185.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s70,c108; s85,c141; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s280.00000°,δ22.00000°,λ125.00000°. NP2:ϕ_s64.00000° ,δ72.00000°,λ77.00000°. Principal axes: T 1.1600,Plg61.0000°,Azm315.0000° ; N 0.0500,Plg12.0000°,Azm68.0000°; P -1.2100,Plg26.0000°,Azm164.0000° M_o1.20000×10^{17}
ISC XI 12 04 00 10.2–.97 53.4N–.20 168.4W–.20 102–6 3.6b 19 0-72
IDC XI 12 04 00 05.9–4.7 52.89N 166.76W 0 4.0,3.7L ¶12073265
ISCJB XI 12 04 00 09.1–.93 53.3N–.20 168.3W–.20 107–6 3.6b,3.7L
NEIC XI 12 04 00 10.1–1.5 53.29N 168.43W 107–9 3.4,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=80.9km s-min=32.8km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=37.0km s-min=10.9km az=142.5.
NEIC Event type se. Error ellipse: s-maj=39.9km s-min=20.2km az=126.0.
IDC XII 01 06 36 14.5–3.6 52.15N 171.57W 85–33 3.8,3.6
¶12075391
IDC Error ellipse: s-maj=25.5km s-min=12.9km az=179.0.
ISC XII 09 11 51 10.5–2.6 52.03N–.07 168.6W–.10 19–16 3.8b 35 1-87
ISCJB XII 09 11 51 09.6–2.4 51.96N–.08 168.6W–.10 30–18 3.8b ¶12076535
IDC XII 09 11 51 11.2–1.6 52.60N 168.95W 0 3.9,3.8b
NEIC XII 09 11 51 12.0 52.09N 168.63W 9 3.5L,3.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=8.4km az=140.6.
IDC Error ellipse: s-maj=40.0km s-min=15.4km az=168.0.
NEIC Event type se. After AEIC.
ISC XII 09 17 05 51.9–1.8 52.40N–.06 167.23W–.06 13–11 4.0b 88 1-91
IDC XII 09 17 05 50.9–.80 52.59N 167.45W 0 4.2,4.1 ¶12076575
ISCJB XII 09 17 05 51.4–1.8 52.30N–.06 167.16W–.06 28–12 4.0b,4.1
NEIC XII 09 17 05 52.9 52.24N 167.20W 28 4.2b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=13.2km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.0km az=164.8.
NEIC Event type se. After AEIC.
ISC XII 14 17 36 24.2–1.1 52.6N–.10 169.5W–.10 47–8 3.9b 57 1-91
ISCJB XII 14 17 36 23.1–1.1 52.6N–.10 169.5W–.10 54–7 3.9b ¶12077480
NEIC XII 14 17 36 24.8–.88 52.67N 169.40W 51–6 3.8b,3.3L
IDC XII 14 17 36 25.0–3.1 52.69N 169.40W 52–27 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=8.6km az=161.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=6.8km az=167.0.
IDC Error ellipse: s-maj=25.8km s-min=13.6km az=171.0.
ISC XII 22 06 18 34.2–.94 52.07N–.09 169.57W–.08 40–6 4.2b 69 1-90
IDC XII 22 06 18 28.3–.90 52.06N 169.59W 0 4.3,4.2b ¶12078521
NEIC XII 22 06 18 32.1 52.04N 169.51W 3 3.3L,4.2b
ISCJB XII 22 06 18 33.2–.98 52.08N–.10 169.58W–.08 48–6 4.2b,4.2b
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
NEIC XII 29 21 12 23.2 53.38N 165.17W 30 3.5L,3.3L
¶13837348
NEIC Event type se. After AEIC.
ISC XII 30 11 41 45.8–.57 54.0N–.20 167.1W–.20 100–6 3.6b 32 0-51
ISCJB XII 30 11 41 44.9–.56 54.0N–.20 167.0W–.20 107–5 3.6b ¶12079541
NEIC XII 30 11 41 47.3 53.85N 166.97W 95 3.2
IDC XII 30 11 41 51.7–9.9 54.17N 166.00W 110–64 3.6,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.1km s-min=7.6km az=151.9.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=78.0km s-min=47.0km az=64.0.

(10) Unimak Island region.

ISC VII 09 14 07 48.6–2.5 53.4N–.10 163.45W–.07 15–16 3.9b,3.2s 37 2-86
ISCJB VII 09 14 07 47.4–2.3 53.3N–.10 163.36W–.06 24–15 3.9b,3.2s ¶11811083
IDC VII 09 14 07 49.7–1.7 53.95N 163.77W 0 3.9,3.8b
NEIC VII 09 14 07 53.0–2.5 53.74N 163.59W 29–15 4.1b,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=6.0km az=174.7.
IDC Error ellipse: s-maj=44.4km s-min=18.3km az=171.0.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=6.3km az=170.0.
ISC VII 12 23 15 03.7–2.9 53.7N–.20 163.44W–.10 25–21 3.7b 18 1-65
IDC VII 12 23 14 59.2–2.2 53.52N 163.70W 0 3.7,3.6b ¶11811410
ISCJB VII 12 23 15 03.1–1.6 53.8N–.20 163.3W–.10 34–11 3.7b,3.6b
NEIC VII 12 23 15 03.0 53.47N 163.57W 19 3.2L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=70.7km s-min=29.0km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=32.5km s-min=7.2km az=165.1.
NEIC Event type se. After AEIC.
ISC VII 24 16 09 11.5–1.5 53.63N–.08 163.60W–.06 24–10 4.2b,3.5s 90 1-86
MOS VII 24 16 09 10.4–.98 53.76N 163.69W 25 4.5b,3.5s ¶11480114
ISCJB VII 24 16 09 11.2–.93 53.61N–.09 163.54W–.06 38–6 4.2b,3.5s
BJI VII 24 16 09 11.2 53.70N 163.70W 33 4.8b,4.5b
IDC VII 24 16 09 13.5–.79 53.70N 163.79W 34–4 4.0,3.9
NEIC VII 24 16 09 13.2–.56 53.72N 163.72W 34 4.5b,3.9
ISC Event type se.
MOS Error ellipse: s-maj=15.4km s-min=8.9km az=96.1.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=5.2km az=165.8.
IDC Error ellipse: s-maj=22.0km s-min=11.8km az=178.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=5.0km az=164.0.
ISC VIII 03 18 38 50.6–2.6 54.1N–.10 163.58W–.08 18–19 3.3b 20 1-49
NEIC VIII 03 18 38 51.0 53.98N 163.52W 31 3.2L ¶11907740
ISCJB VIII 03 18 38 51.0–.88 54.1N–.10 163.52W–.08 33 3.3b
IDC VIII 03 18 38 58.4–3.8 53.42N 161.10W 0 3.6,3.4b
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=5.0km az=166.9.
IDC Error ellipse: s-maj=74.1km s-min=31.6km az=108.0.
ISC VIII 11 00 09 36.7–.65 53.69N–.02 163.57W–.02 21–4 5.1b,5.0s 1140 1-154
BGS VIII 11 00 09 33.8–2.5 52.47N 159.99W 33–999 5.1b,5.0s ¶13391385
ISCJB VIII 11 00 09 33.3–.68 53.69N–.02 163.54W–.02 10–4 5.1b,5.0s
IDC VIII 11 00 09 34.9–2.7 53.66N 163.60W 13–16 4.9s,4.9
BJI VIII 11 00 09 36.3 53.83N 164.26W 23 5.4s,5.2b
NEIC VIII 11 00 09 36.9–.11 53.68N 163.56W 23 5.2W,5.1b
MOS VIII 11 00 09 36.5–.92 53.65N 163.62W 33 5.4b,5.0s
GCMT VIII 11 00 09 40.1–.20 53.36N 163.62W 26–1 5.3W,5.0s
SZGRF VIII 11 00 09 40.1 54.30N 163.66W 33 5.4b,4.9s
ISC Event type se.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=1.9km az=13.7.
IDC Error ellipse: s-maj=15.5km s-min=10.4km az=168.0.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=1.7km az=188.0. Moment Tensor Solution. s69 Moment tensor: Scale 10^{16}Nm; M_{rr}3.66 $M_{\theta\theta}$-5.86 $M_{\phi\phi}$2.20 $M_{r\theta}$4.81 $M_{\theta\phi}$-2.74 $M_{\phi r}$2.22 Best double couple: NP1:ϕ_s62.00000°,δ69.00000°,λ78.00000°. NP2:ϕ_s272.00000° ,δ24.00000°,λ118.00000°. Principal axes: T 6.0000,Plg64.0000°,Azm312.0000° ; N 2.9100,Plg10.0000°,Azm66.0000°; P -8.9000,Plg22.0000°,Azm161.0000° M_o7.90000×10^{16}
MOS Error ellipse: s-maj=7.5km s-min=3.7km az=90.7.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s72,c119; s84,c155; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s268.00000°,δ18.00000°,λ118.00000°. NP2:ϕ_s59.00000° ,δ74.00000°,λ81.00000°. Principal axes: T 1.1100,Plg60.0000°,Azm317.0000° ; N 0.4500,Plg8.0000°,Azm61.0000°; P -1.5600,Plg28.0000°,Azm156.0000° M_o1.30000×10^{17}
SZGRF Unimak Island, Alaska, United States, region.
ISC VIII 11 00 29 54.5–2.4 53.42N–.09 163.50W–.07 10–18 3.2b 21 1-49
ISCJB VIII 11 00 29 54.4–2.1 53.36N–.07 163.41W–.07 15–15 3.2b ¶11908061
NEIC VIII 11 00 29 55.8 53.40N 163.45W 24 3.2L
IDC VIII 11 00 30 00.0–5.6 53.30N 162.06W 0 3.6,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=6.2km az=164.5.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=103.1km s-min=37.8km az=94.0.
ISC VIII 11 09 49 59.0–1.1 53.5N–.10 163.45W–.07 35 3.5b 23 1-66
IDC VIII 11 09 49 53.8–1.9 53.46N 163.69W 0 3.6,3.5b ¶11908080
NEIC VIII 11 09 49 55.3 53.34N 163.39W 23 3.5L,3.4b
ISCJB VIII 11 09 49 56.1–1.1 53.4N–.10 163.38W–.07 33 3.5b,3.4b
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC VIII 15 17 22 32.7–2.5 53.22N–.07 164.42W–.05 15–15 4.2b,3.5s 52 1-86
IDC VIII 15 17 22 31.4–1.4 53.39N 164.56W 0 4.0b,4.0 ¶11908260
NEIC VIII 15 17 22 31.7–.72 53.23N 164.48W 10 4.4b,3.7L
ISCJB VIII 15 17 22 33.1–1.1 53.17N–.09 164.36W–.06 34–8 4.2b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 16 10 27 38.4–.40 54.31N–.05 163.61W–.05 65–3 4.2b 85 1-155
BJI VIII 16 10 27 35.2 54.42N 163.58W 46 4.9b,4.7b ¶11184371
IDC VIII 16 10 27 35.3–4.8 54.46N 163.77W 40–39 3.9,3.9
NEIC VIII 16 10 27 36.9 54.17N 163.58W 53 4.4b,3.9L
ISCJB VIII 16 10 27 37.2–.41 54.35N–.05 163.60W–.05 71–3 4.2b,3.9L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC IX 16 08 27 33.8–.84 54.2N–.10 163.62W–.10 44–7 3.8b 28 1-91
IDC IX 16 08 27 27.4–.89 54.06N 163.82W 0 4.0,3.9 ¶13394432
NEIC IX 16 08 27 30.9 53.92N 163.53W 17 3.7L,3.6L
ISCJB IX 16 08 27 32.8–.87 54.2N–.10 163.61W–.10 54–7 3.8b,3.6L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC IX 17 03 30 54.1–1.4 53.8N–.20 164.03W–.09 46–8 3.8b 24 1-86
IDC IX 17 03 30 51.4–1.7 54.38N 164.47W 0 3.8,3.7b ¶11910446
ISCJB IX 17 03 30 52.9–1.4 53.8N–.20 164.0W–.10 52–8 3.8b,3.7b
NEIC IX 17 03 30 52.1 53.73N 164.02W 18 3.5L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=37.8km s-min=22.6km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=27.7km s-min=7.0km az=164.1.
NEIC Event type se. After AEIC.
ISC X 19 11 45 36.0–1.2 53.89N–.10 163.05W–.08 43–8 4.2b,3.2s 43 1-86
IDC X 19 11 45 31.2–.98 54.13N 163.28W 0 4.2b,4.2 ¶12069037
NEIC X 19 11 45 34.1 53.90N 163.17W 5 3.7L,4.2
ISCJB X 19 11 45 36.5–1.1 53.9N–.10 163.22W–.08 59–7 4.2b,3.2s
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC XI 04 17 38 31.5–1.2 54.1N–.10 163.7W–.10 51–14 3.6b 21 1-65
ISCJB XI 04 17 38 30.5–1.3 54.0N–.10 163.6W–.10 57–13 3.6b ¶12072273
NEIC XI 04 17 38 30.7 54.02N 163.62W 39 3.5L
IDC XI 04 17 38 34.7–4.2 54.60N 163.52W 73–38 3.3,3.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=8.4km az=159.0.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=50.0km s-min=18.4km az=178.0.
ISC XI 06 20 18 42.5–.73 54.03N–.10 164.79W–.08 43–6 3.8b,3.3s 52 1-90
IDC XI 06 20 18 36.2–.93 53.94N 164.90W 0 4.0,3.8L ¶12072571
ISCJB XI 06 20 18 41.3–.71 54.05N–.10 164.77W–.09 52–6 3.8b,3.3s
NEIC XI 06 20 18 42.0 53.86N 164.65W 23 4.3L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=13.3km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=5.0km az=156.9.
NEIC Event type se. After AEIC.
NEIC XI 11 11 07 31.9 54.63N 163.55W 4 3.8b,3.5L
¶13399825
NEIC Event type se. After AEIC.
ISC XI 12 11 51 05.8–1.1 53.8N–.10 164.1W–.10 42–9 4.0b 25 1-154
IDC XI 12 11 50 59.6–1.0 53.71N 164.09W 0 4.0,3.9 ¶12073294
ISCJB XI 12 11 51 04.6–1.1 53.7N–.10 164.0W–.10 51–8 4.0b,3.9
NEIC XI 12 11 51 05.4 53.72N 164.07W 21 3.5L,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=15.3km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=6.5km az=154.4.
NEIC Event type se. After AEIC.
NEIC XI 15 07 39 11.1 54.65N 163.53W 5 3.5L,3.1L
¶13400229
NEIC Event type se. After AEIC.
NEIC XI 17 18 43 07.7 54.65N 163.57W 5 3.5L
¶13400466
NEIC Event type se. After AEIC.
ISC XII 27 13 28 27.5–1.6 53.40N–.05 163.51W–.05 9–9 4.6b,3.9s 218 1-92
ISCJB XII 27 13 28 26.6–1.4 53.32N–.06 163.41W–.05 18–8 4.6b,3.9s ¶11519521
IDC XII 27 13 28 27.7–.99 53.74N 163.78W 0 4.4,4.3
NEIC XII 27 13 28 28.2 53.40N 163.53W 10 4.8b,4.3
MOS XII 27 13 28 29.6–1.0 53.75N 163.66W 23 4.8b,4.3
BJI XII 27 13 28 32.3 54.23N 163.98W 33 5.3b,4.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=4.7km az=164.1.
IDC Error ellipse: s-maj=26.5km s-min=12.6km az=166.0.
NEIC Event type se. After AEIC.
MOS Error ellipse: s-maj=13.3km s-min=6.5km az=91.0.
ISC XII 27 14 50 31.7–.15 53.61N–.03 163.68W–.03 36 5.2b,4.8s 809 1-154
SZGRF XII 27 14 50 28.7 54.19N 164.06W 33 5.1b,4.7s ¶13404165
DJA XII 27 14 50 28 53.63N 163.54W 14 5.4b,4.7s
NEIC XII 27 14 50 28.2 53.39N 163.53W 26 5.3b,5.1W
IDC XII 27 14 50 28.5–2.5 53.60N 163.70W 16–14 5.0,5.0
MOS XII 27 14 50 28.9–1.1 53.78N 163.64W 29 5.5b,5.0s
ISCJB XII 27 14 50 29.5–.15 53.57N–.03 163.66W–.03 33 5.2b,4.8s
GCMT XII 27 14 50 31.7–.20 53.41N 163.58W 15–0 5.2W,4.8s
BJI XII 27 14 50 32.6 54.15N 164.50W 34 5.4b,5.3s
BGS XII 27 14 50 36.6–1.8 53.69N 158.38W 33–0 5.2b,5.3s
ISC Event type se.
SZGRF Unimak Island, Alaska, United States, region.
NEIC Event type se. After AEIC. Moment Tensor Solution. M_o5.00000×10^{16}
IDC Error ellipse: s-maj=16.1km s-min=9.9km az=160.0.
MOS Error ellipse: s-maj=8.4km s-min=6.4km az=68.5.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.1km az=173.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c117; s89,c147; Moment tensor: Scale 10^{16}Nm; M_{rr}4.73±.17 $M_{\theta\theta}$-2.86±.13; $M_{\phi\phi}$-1.87±.12; $M_{r\theta}$4.87±.38; $M_{\theta\phi}$-3.74±.11; $M_{\phi r}$2.97±.30; Best double couple: NP1:ϕ_s217.00000°,δ23.00000°,λ71.00000°. NP2:ϕ_s57.00000°,δ68.00000°,λ98.00000°. Principal axes: T 7.2500,Plg66.0000° ,Azm340.0000°; N 1.2800,Plg7.0000°,Azm234.0000°; P -8.5400,Plg23.0000°,Azm141.0000° M_o7.90000×10^{16}
BGS Error ellipse: s-maj=317.1km s-min=999.9km az=-1.0.
ISC XII 27 14 58 39.8–1.8 53.44N–.06 163.52W–.05 12–11 4.5b 99 1-154
IDC XII 27 14 58 39.1–1.0 53.69N 163.66W 0 4.3,4.2b ¶12079178
ISCJB XII 27 14 58 40.2–1.6 53.38N–.06 163.46W–.06 29–10 4.5b,4.2b
NEIC XII 27 14 58 41.0 53.39N 163.53W 29 4.9b,4.2b

ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=14.3km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=5.0km az=165.2.
NEIC Event type se. After AEIC.
ISC XII 27 15 24 10.2–1.5 53.47N–.07 163.47W–.05 21–10 4.2b 90 1-80
IDC XII 27 15 24 09.1–1.1 53.85N 163.75W 0 4.1,4.0b **¶12079181**
NEIC XII 27 15 24 09.7 53.39N 163.53W 18 4.1b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=14.4km az=173.0.
NEIC Event type se. After AEIC.
ISC XII 27 15 26 38.1–2.3 53.55N–.09 163.51W–.06 17–13 4.2b 79 1-86
IDC XII 27 15 26 36.0–1.0 53.73N 163.70W 0 4.1,4.0 **¶12079183**
NEIC XII 27 15 26 38.2 53.46N 163.53W 21 4.8b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=14.4km az=175.0.
NEIC Event type se. After AEIC.

(12) Alaska Peninsula.

ISC VII 01 12 02 38.2–1.3 55.2N–.10 157.8W–.10 40–9 4.0b 30 1-145
ISCJB VII 01 12 02 36.6–1.3 55.14N–.09 157.8W–.10 46–9 4.0b **¶11799167**
NEIC VII 01 12 02 36.6 55.11N 157.75W 16 3.6L
IDC VII 01 12 02 38.5–1.0 56.23N 158.63W 0 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=7.9km az=154.5.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=28.9km s-min=16.3km az=175.0.
ISC VII 14 14 39 26.0–.34 58.06N–.03 156.74W–.05 121–3 4.0b 222 2-151
BJI VII 14 14 39 22.8 57.80N 156.40W 128 4.7b,4.7b **¶11121251**
ISCJB VII 14 14 39 24.8–.37 58.09N–.03 156.73W–.05 128–3 4.0b,4.7b
IDC VII 14 14 39 26.4–.96 58.17N 156.64W 133–8 3.8,3.7
NEIC VII 14 14 39 27.9 57.84N 156.37W 129 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.4km az=171.8.
IDC Error ellipse: s-maj=21.8km s-min=10.5km az=24.0.
NEIC Event type se. After AEIC.
ISC VIII 12 06 04 25.7–.32 57.87N–.04 155.14W–.06 91–3 4.3b 117 1-151
BJI VIII 12 06 04 22.6 57.80N 155.10W 82 5.0b,4.6b **¶11164784**
ISCJB VIII 12 06 04 24.3–.34 57.90N–.04 155.16W–.06 92–3 4.3b,4.6b
IDC VIII 12 06 04 24.9–2.1 58.10N 155.26W 76–18 4.0,3.9
NEIC VIII 12 06 04 27.6 57.82N 155.08W 83 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.2km az=147.8.
IDC Error ellipse: s-maj=23.1km s-min=16.7km az=45.0.
NEIC Event type se. After AEIC.
ISC VIII 12 11 55 17.2–1.6 56.2N–.10 156.6W–.10 16–10 3.8b 17 1-56
IDC VIII 12 11 55 14.7–1.8 56.13N 156.92W 0 3.7b,3.6 **¶11908111**
ISCJB VIII 12 11 55 17.3–1.6 56.3N–.10 156.7W–.10 26–18 3.8b,3.6
NEIC VIII 12 11 55 20.9 56.21N 156.48W 18 3.2L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=18.9km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=9.5km az=149.5.
NEIC Event type se. After AEIC.
ISC VIII 12 23 56 06.3–.89 58.67N–.07 156.0W–.20 193–11 3.0b 27 2-64
ISCJB VIII 12 23 56 05.2–.91 58.67N–.07 156.0W–.20 199–11 3.0b **¶11908127**
IDC VIII 12 23 56 05.0–1.8 58.90N 156.23W 170–27 3.0,2.9
NEIC VIII 12 23 56 06.4 58.64N 156.15W 200 2.8,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=10.9km az=178.1.
IDC Error ellipse: s-maj=32.5km s-min=21.2km az=106.0.
NEIC Event type se. After AEIC.
ISC VIII 14 06 34 38.2–.60 56.48N–.06 157.6W–.10 71–8 3.4b 43 0-46
ISCJB VIII 14 06 34 36.9–.59 56.55N–.06 157.67W–.10 73–8 3.4b **¶11908199**
NEIC VIII 14 06 34 39.0 56.31N 157.57W 52 3.9L,3.5L
IDC VIII 14 06 34 43.7–5.8 56.86N 157.20W 105–39 3.5,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.3km az=137.9.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=49.6km s-min=29.5km az=59.0.
ISC VIII 14 11 49 27.8–.89 54.29N–.09 162.31W–.08 44–10 4.2b 38 1-73
IDC VIII 14 11 49 20.8–1.8 54.28N 162.42W 0 3.9,3.9L **¶11652929**
ISCJB VIII 14 11 49 26.5–.93 54.34N–.09 162.21W–.09 46–10 4.2b,3.9L
BJI VIII 14 11 49 26.3 54.40N 162.30W 26 4.7b,4.6b
NEIC VIII 14 11 49 28.3 54.36N 162.31W 27 3.9L,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=25.1km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=6.2km az=155.9.
NEIC Event type se. After AEIC.
ISC VIII 25 04 32 42.2–.67 55.29N–.07 159.08W–.09 46–6 4.0b 50 1-85
BJI VIII 25 04 32 38.2 55.30N 159.20W 20 5.1b,4.7s **¶11653076**
ISCJB VIII 25 04 32 40.7–.73 55.30N–.08 159.07W–.09 51–6 4.0b,4.7s
IDC VIII 25 04 32 41.4–.80 55.35N 159.27W 40–5 4.3L,3.9
NEIC VIII 25 04 32 42.3–.70 55.29N 159.18W 51–6 4.5L,4.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.4km s-min=5.4km az=150.6.
IDC Error ellipse: s-maj=25.4km s-min=12.1km az=13.0.
NEIC Event type fe. Error ellipse: s-maj=13.7km s-min=5.6km az=152.0. Felt at Chignik.
ISC IX 02 10 14 34.7–.94 55.1N–.10 159.1W–.10 52–11 3.5b 26 1-66
ISCJB IX 02 10 14 33.5–.93 55.2N–.10 159.1W–.10 57–10 3.5b **¶11909271**
IDC IX 02 10 14 34.4–5.0 55.41N 159.14W 42–48 3.6L,3.6
NEIC IX 02 10 14 34.7–.85 55.19N 159.17W 53–10 3.5L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=6.2km az=152.3.
IDC Error ellipse: s-maj=39.3km s-min=22.4km az=8.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=6.0km az=153.0.
ISC IX 08 02 37 18.8–.63 55.1N–.10 161.3W–.10 53–7 3.7b 28 1-85
NEIC IX 08 02 37 16.3 54.66N 161.11W 24 3.9L,3.4L **¶11909777**
IDC IX 08 02 37 17.7–4.2 55.08N 161.25W 41–36 3.6,3.5b
ISC Event type fe.
NEIC Event type fe. Felt at Sand Point. After AEIC.
IDC Error ellipse: s-maj=38.6km s-min=22.2km az=169.0.
NEIC IX 27 12 49 26.5 54.30N 162.20W 29 3.8L,3.3L
¶12952221
NEIC Event type se. After AEIC.
NEIC X 10 18 29 29.8 58.26N 155.16W 1 2.5L
¶13396588
NEIC Event type se. After AEIC.
ISC X 22 09 31 44.1–.66 57.06N–.09 155.6W–.10 46–12 3.5b 22 1-45
ISCJB X 22 09 31 42.9–.65 57.1N–.10 155.6W–.10 57–10 3.5b **¶12070789**
NEIC X 22 09 31 44.0 56.72N 155.38W 18 3.0L
IDC X 22 09 31 50.2–4.9 57.18N 154.78W 74–28 3.5,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=6.7km az=155.6.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=45.7km s-min=31.5km az=69.0.
ISC X 24 12 31 11.1–1.5 54.7N–.10 160.67W–.10 36–15 3.6b 24 1-66
IDC X 24 12 31 05.8–1.4 54.67N 160.81W 0 3.7,3.6 **¶12070987**
NEIC X 24 12 31 09.4 54.66N 160.79W 6 3.5L,3.6
ISCJB X 24 12 31 10.9–1.4 54.8N–.10 160.6W–.10 55–11 3.6b,3.6
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.
ISC X 28 13 32 30.1–1.0 54.8N–.10 160.7W–.10 47–11 3.7b,3.3s 22 1-66
IDC X 28 13 32 23.1–1.7 54.36N 160.99W 0 3.7,3.6b **¶12071332**
ISCJB X 28 13 32 28.7–1.1 54.8N–.10 160.6W–.10 56–10 3.7b,3.3s
NEIC X 28 13 32 30.3–.96 54.81N 160.73W 47–10 3.5L,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=40.1km s-min=21.4km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=8.3km az=155.1.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=6.7km az=157.0.
ISC XI 06 01 45 18.6–.43 57.08N–.06 156.44W–.09 67–5 3.6b 58 1-83
ISCJB XI 06 01 45 17.0–.44 57.14N–.06 156.51W–.09 67–6 3.6b **¶12072482**
NEIC XI 06 01 45 18.7 56.85N 156.28W 55 3.9L,3.5L
IDC XI 06 01 45 19.5–1.2 57.37N 156.42W 66–10 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=4.1km az=142.5.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=18.6km s-min=11.5km az=176.0.
NEIC XI 14 20 44 07.2 54.21N 162.53W 4 3.1L
¶13400198
NEIC Event type se. After AEIC.
ISC XI 16 08 05 10.8–2.3 54.0N–.10 162.91W–.08 20–15 3.9b 20 1-65
IDC XI 16 08 05 06.6–1.4 53.97N 163.18W 0 3.8b,3.8 **¶12073719**
NEIC XI 16 08 05 12.6 54.05N 162.96W 15 3.6L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=24.1km az=24.0.
NEIC Event type se. After AEIC.
ISC XI 17 05 12 09.7–.47 58.56N–.04 155.4W–.10 144–8 3.9b 60 2-65
IDC XI 17 05 12 07.5–4.2 58.79N 156.06W 95–58 4.0L,3.8 **¶12073823**
ISCJB XI 17 05 12 08.5–.46 58.56N–.04 155.4W–.10 149–7 3.9b,3.8
NEIC XI 17 05 12 11.9 58.53N 155.30W 136 3.4,3.8
ISC Event type se.
IDC Error ellipse: s-maj=59.9km s-min=37.4km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.9km az=25.6.
NEIC Event type se. After AEIC.
ISC XI 17 20 04 52.8–1.9 54.44N–.08 160.95W–.08 31–14 3.9b 57 1-85
IDC XI 17 20 04 48.5–1.2 54.48N 161.28W 0 4.0,3.9 **¶13400472**
ISCJB XI 17 20 04 50.7–1.2 54.30N–.10 160.77W–.09 43–8 3.9b,3.9
NEIC XI 17 20 04 50.8 54.41N 161.01W 3 3.7L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=14.7km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=6.3km az=158.8.
NEIC Event type se. After AEIC.
ISC XI 18 00 17 37.2–1.2 56.2N–.20 156.5W–.10 46–13 4.1b 20 1-56
IDC XI 18 00 17 31.9–4.3 56.16N 157.18W 0 4.0b,3.7 **¶12073945**
ISCJB XI 18 00 17 36.1–1.3 56.2N–.20 156.5W–.10 59–11 4.1b,3.7
NEIC XI 18 00 17 37.6 56.06N 156.49W 45 3.0L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=86.9km s-min=19.2km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=33.0km s-min=6.2km az=158.1.
NEIC Event type se. After AEIC.
IDC XI 18 05 39 23.0–8.3 54.83N 161.84W 0 4.1b,4.1
¶12073970
IDC Error ellipse: s-maj=205.9km s-min=26.7km az=162.0.
NEIC XI 26 08 27 13.9 54.33N 161.37W 19 3.5L,3.1L
¶13401153
NEIC Event type se. After AEIC.
ISC XI 29 06 23 50.9–.60 56.11N–.05 156.47W–.07 49–5 4.0b 79 1-146
IDC XI 29 06 23 44.2–.72 56.20N 156.87W 0 4.1,4.1 **¶13401451**
ISCJB XI 29 06 23 49.7–.61 56.12N–.05 156.46W–.07 56–5 4.0b,4.1
NEIC XI 29 06 23 50.6 56.05N 156.43W 24 3.7L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=14.3km az=16.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.4km az=151.9.
NEIC Event type se. After AEIC.
ISC XII 03 01 22 41.2–.54 54.79N–.07 161.53W–.07 57–4 3.9b 83 0-145
ISCJB XII 03 01 22 39.9–.55 54.80N–.07 161.50W–.07 63–4 3.9b **¶12075571**
IDC XII 03 01 22 39.9–3.4 54.93N 161.57W 45–29 3.8b,3.8
NEIC XII 03 01 22 40.3 54.69N 161.51W 11 3.9b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=3.5km az=154.2.
IDC Error ellipse: s-maj=27.9km s-min=17.3km az=177.0.
NEIC Event type se. After AEIC.

(13) Kodiak Island region.

ISC VII 09 15 02 52.6–2.1 56.03N–.07 153.4W–.10 21–14 3.8b 42 1-139
IDC VII 09 15 02 49.5–.99 56.05N 153.37W 0 4.0,3.9 **¶13388583**
ISCJB VII 09 15 02 51.1–2.1 56.01N–.07 153.4W–.10 27–14 3.8b,3.9
NEIC VII 09 15 02 52.7 55.95N 153.14W 26 4.1b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=17.0km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=9.7km az=145.7.
NEIC Event type se. After AEIC.
ISC VII 09 15 14 07.0–3.0 56.05N–.06 153.3W–.10 18–20 3.7b,3.4s 30 1-94
ISCJB VII 09 15 14 03.7–2.4 55.99N–.06 153.2W–.10 11–16 3.7b,3.4s **¶11811089**
IDC VII 09 15 14 04.5–1.1 56.03N 153.41W 0 3.8,3.7
NEIC VII 09 15 14 06.5 55.91N 153.09W 20 3.5L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=9.1km az=25.6.
IDC Error ellipse: s-maj=25.7km s-min=21.2km az=14.0.
NEIC Event type se. After AEIC.
ISC VII 12 16 56 05.0–.40 57.98N–.04 152.49W–.10 35–4 3.9b 50 0-151
BJI VII 12 16 56 01.9 57.94N 153.30W 15 4.7b,4.4b **¶11133615**
IDC VII 12 16 56 02.9–2.5 58.12N 152.64W 17–20 3.9,3.8b
ISCJB VII 12 16 56 03.5–.40 58.02N–.04 152.46W–.10 41–4 3.9b,3.8b
NEIC VII 12 16 56 05.1–.40 57.98N 152.48W 35 3.9L,3.7L
ISC Event type fe.
IDC Error ellipse: s-maj=37.6km s-min=15.4km az=29.0.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=5.4km az=24.2.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=5.4km az=98.0. Felt [III] at Kodiak.
ISC VIII 11 10 49 33.2–.80 56.68N–.07 152.1W–.10 35 3.6b 20 1-67
NEIC VIII 11 10 49 27.4 56.30N 152.32W 9 3.4L **¶11908082**
ISCJB VIII 11 10 49 31.0–.80 56.70N–.07 152.2W–.10 33 3.6b
IDC VIII 11 10 49 30.8–1.3 56.31N 151.69W 0 3.9,3.7b
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=9.3km az=136.5.
IDC Error ellipse: s-maj=32.6km s-min=20.7km az=38.0.
ISC VIII 16 17 11 35.1–.56 57.68N–.08 155.0W–.10 81–13 3.5b 23 1-66
ISCJB VIII 16 17 11 33.7–.56 57.69N–.08 154.9W–.10 91–13 3.5b **¶11908314**
IDC VIII 16 17 11 36.4–3.8 57.98N 154.77W 85–60 3.6L,3.2b
NEIC VIII 16 17 11 37.3 57.70N 154.94W 67 2.9L,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=6.7km az=140.9.
IDC Error ellipse: s-maj=68.6km s-min=26.5km az=96.0.
NEIC Event type se. After AEIC.
ISC VIII 22 19 14 31.1–2.4 56.13N–.05 153.4W–.10 15–15 3.8b 32 1-84
IDC VIII 22 19 14 27.8–1.0 55.84N 153.71W 0 3.9,3.8b **¶11908598**
ISCJB VIII 22 19 14 29.5–2.3 56.11N–.07 153.3W–.10 19–16 3.8b,3.8b
NEIC VIII 22 19 14 32.0 56.03N 153.30W 20 3.3L,2.8L
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=19.7km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=11.8km az=44.3.
NEIC Event type se. After AEIC.
ISC VIII 26 00 46 50.6–1.6 56.05N–.05 153.16W–.09 9–11 3.7b,3.0s 38 1-84
ISCJB VIII 26 00 46 49.0–1.7 56.05N–.05 153.08W–.09 15–15 3.7b,3.0s **¶11908819**
IDC VIII 26 00 46 49.1–1.2 55.64N 153.69W 0 3.9,3.7
NEIC VIII 26 00 46 51.4 55.90N 152.99W 25 3.5L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.1km az=43.1.
IDC Error ellipse: s-maj=28.6km s-min=23.0km az=12.0.
NEIC Event type se. After AEIC.
ISC X 23 00 46 09.0–.43 58.80N–.03 151.60W–.06 44–5 3.9b 92 1-150
ISCJB X 23 00 46 07.8–.43 58.84N–.03 151.52W–.06 52–5 3.9b **¶12070853**
IDC X 23 00 46 08.5–.50 58.88N 152.01W 42–5 3.9,3.8L
NEIC X 23 00 46 09.1 58.77N 151.52W 31 4.2L,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.5km az=42.0.
IDC Error ellipse: s-maj=14.7km s-min=5.1km az=102.0.
NEIC Event type se. After AEIC.
NEIC XI 08 14 57 52.1 57.73N 152.55W 4 2.7L
¶13399580
NEIC Event type fe. Felt at Kodiak. After AEIC.

ISC XI 18 19 56 53.3–1.5 58.25N–.06 153.84W–.09 15–12 3.8b 41 1-59
NEIC XI 18 19 56 51.2 58.33N 153.96W 16 3.9L,3.6L **¶12074043**
ISCJB XI 18 19 56 52.7–1.3 58.29N–.05 153.87W–.10 27–14 3.8b,3.6L
IDC XI 18 19 56 53.3–2.9 57.82N 154.01W 33–30 4.2L,4.1
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.2km az=135.1.
IDC Error ellipse: s-maj=32.8km s-min=20.6km az=115.0.
ISC XII 12 23 23 22.8–.44 57.57N–.04 153.12W–.06 48–5 4.0b 59 0-66
ISCJB XII 12 23 23 21.3–.46 57.55N–.04 153.08W–.06 58–5 4.0b **¶12077213**
IDC XII 12 23 23 23.5–1.4 57.72N 153.02W 44–12 3.7b,3.5
NEIC XII 12 23 23 23.8 57.58N 153.17W 43 3.0L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=139.8.
IDC Error ellipse: s-maj=28.5km s-min=24.6km az=169.0.
NEIC Event type se. After AEIC.
ISC XII 18 00 35 40.5–1.1 56.44N–.04 153.82W–.07 29–8 3.9b 91 1-84
IDC XII 18 00 35 36.5–.85 56.40N 154.24W 0 4.1,4.0 **¶12077997**
NEIC XII 18 00 35 36.9 56.41N 153.86W 18 4.5b,3.7L
ISCJB XII 18 00 35 39.7–.78 56.47N–.05 153.73W–.08 39–7 3.9b,3.7L
ISC Event type se.
NEIC Event type se. After AEIC.
ISCJB Event type se.

(14) Kenai Peninsula.

ISC VII 12 21 06 39.2–.36 59.87N–.03 151.12W–.06 61–2 4.4b 214 0-150
BJI VII 12 21 06 34.9 59.90N 151.10W 50 4.9b,4.7b **¶11109402**
MOS VII 12 21 06 37.3–.82 60.41N 151.24W 33 4.7b,4.7b
ISCJB VII 12 21 06 37.9–.36 59.88N–.03 151.04W–.06 65–2 4.3b,4.7b
SZGRF VII 12 21 06 39.3 60.23N 151.46W 33 4.8b,4.7b
IDC VII 12 21 06 39.5–.55 60.03N 151.49W 59–3 3.9,3.9
NEIC VII 12 21 06 39.9 59.92N 151.14W 50 4.4b,4.1L
ISC Event type fe.
MOS Error ellipse: s-maj=24.1km s-min=6.3km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.6km az=179.0.
SZGRF Kenai Peninsula, Alaska, United States.
IDC Error ellipse: s-maj=15.4km s-min=10.9km az=41.0.
NEIC Event type fe. Felt [III] at Homer. Also felt at Anchorage, Anchor Point, Kenai, Moose Pass, Ninilchik, Palmer, Seward and Sterling. After AEIC.
ISC VII 22 00 53 44.8–.41 60.17N–.03 151.73W–.07 75–4 3.7b 59 1-148
IDC VII 22 00 53 37.2–.75 60.55N 151.97W 0 3.9,3.7b **¶11812325**
ISCJB VII 22 00 53 43.5–.41 60.19N–.03 151.70W–.07 85–4 3.7b,3.7b
NEIC VII 22 00 53 45.9 60.19N 151.70W 60 3.8L,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=11.2km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.8km az=11.1.
NEIC Event type se. After AEIC.
ISC VIII 24 06 29 59.8–.37 60.40N–.03 151.93W–.07 86–4 3.8b 65 1-148
ISCJB VIII 24 06 29 58.5–.37 60.41N–.03 151.90W–.07 93–4 3.8b **¶11908679**
IDC VIII 24 06 29 58.8–1.2 60.48N 152.09W 72–12 3.7,3.6b
NEIC VIII 24 06 30 00.7 60.39N 151.96W 72 3.6,3.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=5.0km az=178.8.
IDC Error ellipse: s-maj=17.4km s-min=9.3km az=109.0.
NEIC Event type fe. Felt on the Kenai Peninsula. After AEIC.
ISC IX 04 20 32 03.7–.62 60.02N–.05 151.5W–.10 79–13 33 1-55
ISCJB IX 04 20 32 02.3–.62 60.04N–.05 151.5W–.10 93–11 **¶11909486**
NEIC IX 04 20 32 05.1 60.04N 151.39W 68 3.2L,3.1L
IDC IX 04 20 32 10.7–2.4 60.22N 149.55W 0 3.7,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.5km az=27.0.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=32.0km s-min=24.0km az=119.0.
ISC XII 09 05 23 03.5–.28 60.65N–.03 151.65W–.05 78–5 3.6b 91 0-62
ISCJB XII 09 05 23 02.2–.28 60.66N–.03 151.65W–.05 89–4 3.6b **¶12076471**
NEIC XII 09 05 23 04.5 60.66N 151.70W 68 3.9L,3.5L
IDC XII 09 05 23 04.0–1.4 60.64N 151.86W 89–27 3.6,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.2km az=41.3.
NEIC Event type fe. Felt at Chugiak and Homer. After AEIC.
IDC Error ellipse: s-maj=41.9km s-min=10.4km az=111.0.
ISC XII 13 19 55 43.6–.19 60.90N–.02 150.90W–.04 59–2 4.5b,3.6s 201 0-151
BJI XII 13 19 55 40.1 60.90N 150.90W 53 5.0b,4.8s **¶13402663**
ISCJB XII 13 19 55 42.5–.19 60.90N–.02 150.88W–.04 67–2 4.4b,4.8s
IDC XII 13 19 55 44.4–.49 61.04N 151.01W 69–3 4.1,4.0
NEIC XII 13 19 55 44.1 60.89N 150.86W 46 4.6b,4.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=146.5.
IDC Error ellipse: s-maj=13.5km s-min=8.5km az=22.0.
NEIC Event type fe. Felt [II] at Anchorage, Eagle River, Kenai, Seward and Soldotna. Also felt at Chugiak, Cooper Landing, Homer, Indian, Palmer, Sterling and Whittier. After AEIC.
ISC XII 21 13 01 38.4–.31 60.90N–.02 151.22W–.06 81–4 3.7b 82 0-62
ISCJB XII 21 13 01 37.2–.31 60.90N–.02 151.21W–.06 90–4 3.7b **¶12078461**
IDC XII 21 13 01 37.9–1.4 60.92N 151.47W 75–27 3.3b,3.2
NEIC XII 21 13 01 39.3 60.92N 151.26W 74 2.9,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.4km az=35.0.
IDC Error ellipse: s-maj=41.3km s-min=9.7km az=111.0.
NEIC Event type se. After AEIC.

(15) Gulf of Alaska.

NEIC XI 17 04 28 36.1 57.95N 147.93W 12 2.6L
¶13400393
NEIC Event type se. After AEIC.
ISC XI 27 10 52 54.2–.53 57.67N–.05 142.76W–.06 10 3.7b 61 3-62
ISCJB XI 27 10 52 53.1–.68 57.76N–.06 142.81W–.06 10 3.7b **¶12075022**
IDC XI 27 10 52 55.2–1.2 57.83N 142.75W 0 3.9,3.7
PGC XI 27 10 52 56.1–2.6 57.61N 142.56W 10 3.7L,3.7
NEIC XI 27 10 52 58.2 57.58N 142.95W 12 3.5L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.3km az=17.0.
IDC Error ellipse: s-maj=23.1km s-min=15.5km az=27.0.
PGC Event type ke. 259km Wsw of Yakutat, Ak Gulf Of Alaska.
NEIC Event type se. After AEIC.

(16) South of Aleutian Islands.

IDC VII 05 19 33 45.3–62 48.97N 179.74E 0 3.6b,3.6
¶12698028
IDC Error ellipse: s-maj=1382.0km s-min=168.7km az=150.0.
ISC VIII 11 04 33 23.6–.27 49.93N–.03 170.09W–.05 34 4.2b,3.1s 252 3-149
ISCJB VIII 11 04 33 21.8–.30 49.94N–.03 170.02W–.05 32 4.2b,3.1s **¶11813195**
NEIC VIII 11 04 33 22.0 49.98N 170.27W 25 4.3b,3.9L
IDC VIII 11 04 33 21.9–.62 49.52N 170.29W 33–3 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.3km az=137.3.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=19.3km s-min=13.1km az=11.0.
ISC VIII 31 17 50 41.3–3.5 50.0N–.10 176.55W–.10 10–22 3.8b 23 3-146
ISCJB VIII 31 17 50 38.6–3.1 50.0N–.10 176.55W–.10 5–20 3.8b **¶11909178**
IDC VIII 31 17 50 38.9–.89 49.87N 176.48W 0 4.1,3.9L
NEIC VIII 31 17 50 40.0–4.8 49.89N 176.52W 5–28 4.1b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=8.9km az=160.0.
IDC Error ellipse: s-maj=28.6km s-min=18.3km az=158.0.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=7.3km az=172.0.
ISC IX 27 14 58 12.6–4.7 49.9N–.20 178.3W–.10 28–33 3.7b 17 8-146
IDC IX 27 14 58 08.4–.98 49.96N 178.35W 0 4.1L,4.1 **¶11911204**
ISCJB IX 27 14 58 10.2–4.7 50.0N–.20 178.3W–.10 24–33 3.7b,4.1
NEIC IX 27 14 58 12.5–4.0 49.93N 178.32W 27–27 3.2L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=20.5km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=14.7km az=166.9.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=10.5km az=166.0.
ISC XI 13 02 57 29.1–.85 51.44N–.08 166.39W–.10 35 3.6b 25 2-72
IDC XI 13 02 57 24.0–1.9 51.40N 166.33W 0 3.8,3.6 **¶12073371**
NEIC XI 13 02 57 25.1–1.0 51.29N 166.31W 10 3.8,3.6
ISCJB XI 13 02 57 27.2–.88 51.42N–.08 166.2W–.10 33 3.6b,3.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 16 17 29 46.5–3.0 50.87N 174.70E 0 3.4,3.2
¶12077785
IDC Error ellipse: s-maj=47.9km s-min=20.6km az=36.0.
IDC XII 21 02 28 16.5–11 50.79N 170.99W 0 3.6L,3.5
¶12078403
IDC Error ellipse: s-maj=229.4km s-min=52.6km az=77.0.

(17) South of Alaska.

ISC VII 07 12 12 16.7–2.0 55.53N–.06 154.66W–.09 22–14 4.3b,3.4s 55 2-153
ISCJB VII 07 12 12 13.3–2.0 55.51N–.06 154.60W–.09 13–12 4.3b,3.4s **¶11810880**
IDC VII 07 12 12 13.5–.88 55.43N 154.73W 0 4.2,4.0
NEIC VII 07 12 12 13.3 55.25N 154.36W 10 3.7L,4.0
MOS VII 07 12 12 14.1–1.2 55.49N 154.65W 20 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=142.1.
IDC Error ellipse: s-maj=27.5km s-min=15.4km az=14.0.
NEIC Event type se. After AEIC.
MOS Error ellipse: s-maj=21.3km s-min=7.7km az=86.0.
ISC VII 14 04 29 05.5–2.5 53.37N–.07 161.21W–.07 11–17 3.8b 30 2-67
ISCJB VII 14 04 29 03.4–2.1 53.35N–.07 161.16W–.07 9–14 3.8b **¶11811534**
NEIC VII 14 04 29 07.2 53.21N 161.13W 30 3.6L
IDC VII 14 04 29 11.2–1.5 53.44N 159.74W 0 4.1,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=6.3km az=168.2.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=39.7km s-min=20.3km az=27.0.
ISC VIII 10 17 37 20.8–2.4 54.8N–.10 156.9W–.10 17–18 3.8b 27 2-75
IDC VIII 10 17 37 14.2–1.7 54.09N 156.59W 0 3.8L,3.8 **¶11908049**
NEIC VIII 10 17 37 17.3–4.5 54.44N 156.69W 10–29 3.2L,3.8
ISCJB VIII 10 17 37 19.0–.88 54.60N–.09 156.66W–.09 33 3.7b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 27 06 09 32.4–.53 55.93N–.04 153.19W–.10 35 3.9b 33 1-44
IDC VIII 27 06 09 22.9–7.3 55.38N 154.07W 0 3.9L,3.9 **¶11908899**
ISCJB VIII 27 06 09 30.1–.53 55.91N–.04 153.12W–.09 33 3.9b,3.9
NEIC VIII 27 06 09 32.4 55.92N 153.04W 25 3.3L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=132.1km s-min=24.2km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=177.3.
NEIC Event type se. After AEIC.
ISC IX 15 19 24 29.6–2.1 53.83N–.08 162.98W–.06 23–15 4.2b,3.3s 56 2-86
IDC IX 15 19 24 25.9–.81 53.79N 163.07W 0 4.2,4.1b **¶11910352**
BJI IX 15 19 24 25.3 54.47N 162.94W 7 5.0b,4.8b
ISCJB IX 15 19 24 29.4–.96 53.88N–.08 162.93W–.07 34–8 4.2b,3.3s
NEIC IX 15 19 24 29.4–1.7 53.74N 163.05W 23–12 3.7L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=12.6km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.0km az=167.9.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.7km az=172.0.
ISC IX 28 01 22 38.4–2.2 53.24N–.06 161.46W–.06 12–14 4.2b 58 2-95
IDC IX 28 01 22 36.2–.76 53.19N 161.41W 0 4.2,4.1 **¶11911243**
NEIC IX 28 01 22 40.5 53.25N 161.51W 10 4.3b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=14.6km az=155.0.
NEIC Event type se. After AEIC.
ISC X 01 04 56 23.2–1.0 53.36N–.09 161.15W–.10 10 3.7b 20 2-55
IDC X 01 04 56 19.4–1.9 53.41N 161.94W 0 3.7L,3.7 **¶11911530**
ISCJB X 01 04 56 21.5–1.0 53.31N–.09 161.14W–.10 10 3.7b,3.7
NEIC X 01 04 56 25.1 53.30N 161.18W 10 3.2L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=28.0km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=6.4km az=153.8.
NEIC Event type se. After AEIC.
NEIC X 07 02 05 33.9 53.57N 162.27W 20 3.7L,3.1L
¶13396272
NEIC Event type se. After AEIC.
NEIC XI 02 03 53 04.0–4.8 53.91N 155.07W 10 3.5L
¶13398978
NEIC Event type se. Error ellipse: s-maj=64.3km s-min=10.6km az=165.0.
ISC XII 08 08 38 35.0–.47 53.53N–.05 161.64W–.06 44 3.9b 69 1-76
NEIC XII 08 08 38 30.6–.36 53.43N 161.58W 10 3.6L **¶12076327**
ISCJB XII 08 08 38 32.9–.47 53.45N–.05 161.60W–.06 42 3.9b
IDC XII 08 08 38 34.8–.88 53.39N 161.60W 42–4 3.8L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.2km az=186.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.7km az=14.8.
IDC Error ellipse: s-maj=28.2km s-min=11.1km az=18.0.
ISC XII 23 11 54 43.6–2.6 53.26N–.10 161.28W–.10 8–20 3.2b 26 2-48
ISCJB XII 23 11 54 43.6–2.6 53.20N–.09 161.3W–.10 21–23 3.2b **¶12078671**
IDC XII 23 11 54 45.2–5.5 53.20N 160.72W 0 3.6,3.4L
NEIC XII 23 11 54 45.9 53.21N 161.36W 15 3.3L,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=9.7km az=18.2.
IDC Error ellipse: s-maj=100.3km s-min=38.2km az=90.0.
NEIC Event type se. After AEIC.
ISC XII 26 12 10 57.6–1.4 55.84N–.05 151.46W–.06 21–14 3.6b 72 2-68
ISCJB XII 26 12 10 56.9–1.3 55.92N–.05 151.33W–.06 25–13 3.6b **¶12079059**
IDC XII 26 12 10 56.7–1.6 55.89N 150.92W 0 4.0,3.7b
NEIC XII 26 12 10 59.8 55.91N 151.57W 15 3.5L,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.1km az=6.6.
IDC Error ellipse: s-maj=38.3km s-min=20.7km az=38.0.
NEIC Event type se. After AEIC.
ISC XII 30 02 30 42.3–3.1 54.7N–.20 156.8W–.10 7–24 2.9b 24 2-46
NEIC XII 30 02 30 44.5 54.63N 156.81W 14 3.2L **¶12079482**
IDC XII 30 02 31 03.8–5.3 55.40N 152.17W 0 3.6L,3.5
ISC Event type se.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=97.0km s-min=28.2km az=68.0.

SEISMIC REGION 2.
Eastern Alaska to Vancouver Island.

(18) Southern Yukon Territory.

PGC VII 08 22 56 26.1–.45 61.76N 134.66W 10 3.5L
NEIC VII 08 22 56 26.1 61.76N 134.66W 10 3.5L **¶11108402**
PGC Event type ke. 115km Nne of Whitehorse, Yt Southern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC VII 21 17 40 30.1–5.0 61.89N 141.00W 1 3.4L
NEIC VII 21 17 40 30.0 61.89N 141.00W 1 3.4L,2.9L **¶12951538**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. 224km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC VIII 09 07 30 55.2–46 64.89N 139.16W 35 2.5L
NEIC VIII 09 07 30 55.2 64.89N 139.16W 35 2.5L **¶11165763**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=3.3km az=-1.0. 92km Nne of Dawson, Yt Southern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC VIII 15 12 24 48.5–.02 62.03N 136.28W 1 3.7L
NEIC VIII 15 12 24 48.5 62.03N 136.28W 1 3.7L **¶11165784**
PGC Event type ke. 157km northeast of Haines Jct., Yt Southern Yukon Territory, Canada.

NEIC Event type se. After PGC.
PGC IX 12 11 20 09.6–7.4 61.47N 140.24W 10 2.5L
NEIC IX 12 11 20 09.6 61.47N 140.24W 10 2.5L **¶11343890**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. 166km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC IX 12 15 46 54.2–8.4 61.46N 140.29W 1 2.8L
NEIC IX 12 15 46 54.2 61.46N 140.29W 1 2.8L,2.5L **¶11322769**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. 167km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC IX 18 14 56 23.3 60.60N 137.29W 1 3.3L
NEIC IX 18 14 56 23.3 60.60N 137.29W 1 3.3L,3.1L **¶11279505**
PGC Event type ke. 21km Ese of Haines Jct., Yt Southern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC X 20 11 44 30.4–5.8 61.59N 140.50W 5 3.0L
NEIC X 20 11 44 30.4 61.59N 140.50W 5 3.0L,2.6L **¶11395983**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. 184km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada.
NEIC Event type se. After PGC.
NEIC XI 02 23 13 18.5 60.69N 137.76W 10 3.0L,2.6L
PGC XI 02 23 13 18.5–.03 60.69N 137.76W 10 3.0L,2.6L **¶11383238**
NEIC Event type se. After PGC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 14km Wsw of Haines Jct., Yt Southern Yukon Territory, Canada.
ISC XII 03 02 47 30.2–.12 60.97N–.02 137.95W–.04 10 4.4b,3.5s 520 0-151
IDC XII 03 02 47 28.3–.54 60.98N 138.04W 0 4.3,4.2b **¶11490887**
ISCJB XII 03 02 47 28.4–.12 60.95N–.02 137.97W–.04 10 4.4b,3.5s
PGC XII 03 02 47 28.2–1.4 60.83N 138.02W 1 4.4L,4.2W
NEIC XII 03 02 47 28.2 60.83N 138.02W 1 4.4b,4.2W
MOS XII 03 02 47 29.4–.78 61.06N 138.01W 14 4.8b,4.2W
BJI XII 03 02 47 30.9 61.54N 138.67W 10 5.2b,4.9s
ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=7.8km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=1.8km az=39.2.
PGC Event type fe. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 27km west of Haines Jct., Yt Southern Yukon Territory, Canada Felt (II-III)) at Haines Junction, Yt. Ressenti (II-III) Haines Junction, Yt.
NEIC Event type fe. Felt [III] at Haines Junction. After PGC. Moment Tensor Solution. $M_0$1.80000×10^{15} Moment Tensor Solution. $M_0$2.50000×10^{15}
MOS Error ellipse: s-maj=11.7km s-min=5.2km az=96.1.
ISC XII 03 04 12 23.7–.31 60.90N–.03 137.90W–.06 10 3.7s,3.7b 65 0-80
ISCJB XII 03 04 12 22.5–.32 60.95N–.03 137.91W–.06 10 3.7s,3.7b **¶11490891**
IDC XII 03 04 12 22.9–.94 60.92N 137.97W 0 3.8,3.7b
PGC XII 03 04 12 23.0–.09 60.83N 137.99W 1 3.9L,3.7b
NEIC XII 03 04 12 23.0 60.83N 137.99W 1 3.9L,3.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=40.8.
IDC Error ellipse: s-maj=16.9km s-min=10.4km az=38.0.
PGC Event type fe. 26km west of Haines Jct., Yt Southern Yukon Territory, Canada Felt (II-III)) at Haines Junction, Yt. Ressenti (II-III) Haines Junction, Yt.
NEIC Event type fe. Felt [III] at Haines Junction. After PGC.
PGC XII 14 10 50 18.4–.01 63.63N 131.50W 1 3.9L
NEIC XII 14 10 50 18.4 63.63N 131.50W 1 3.9L **¶11653468**
PGC Event type ke. 295km Wsw of Norman Wells, Nt Southern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC XII 30 06 17 17.1–5.5 61.37N 139.75W 10 2.7L
NEIC XII 30 06 17 17.1 61.37N 139.75W 10 2.7L,2.7L **¶11524517**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. 138km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC XII 31 08 02 07.7–5.9 64.10N 138.70W 1 3.0L
NEIC XII 31 08 02 10.4 63.95N 139.40W 7 2.9L **¶13837381**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=-1.0. 35km east of Dawson, Yt Southern Yukon Territory, Canada.
NEIC Event type se. After AEIC.

(19) Southeastern Alaska.

ISC VII 01 02 48 43.6–.23 58.79N–.02 137.51W–.04 10 4.0b 109 1-90
BJI VII 01 02 48 37.9 58.70N 137.40W 11 4.8b,4.6s **¶11479791**
ISCJB VII 01 02 48 41.5–.23 58.73N–.02 137.63W–.04 10 4.0b,4.6s
PGC VII 01 02 48 42.9–.10 58.73N 137.45W 1 4.3L,4.3L
IDC VII 01 02 48 42.1–.81 58.74N 137.51W 0 4.0,3.9
NEIC VII 01 02 48 42.9 58.73N 137.45W 1 4.5L,4.3W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.4km az=28.3.
PGC Event type ke. 132km Ese of Yakutat, Ak Southeastern Alaska.
IDC Error ellipse: s-maj=17.2km s-min=10.3km az=21.0.
NEIC Event type fe. Felt at Gustavus and Haines. After PGC. Moment Tensor Solution. $M_0$4.10000×10^{15} Moment Tensor Solution. $M_0$2.90000×10^{15}
PGC VII 01 03 00 31.4–.02 58.77N 137.60W 1 2.6L
NEIC VII 01 03 00 31.4 58.77N 137.60W 1 2.6L,2.5L **¶12950836**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 123km Ese of Yakutat, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
NEIC VII 01 04 56 14.7 58.81N 137.40W 9 2.6L,2.5L
PGC VII 01 04 56 14.4–.04 58.76N 137.49W 1 2.6L,2.5L **¶12950833**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 129km Ese of Yakutat, Ak Southeastern Alaska.
PGC VII 05 00 52 11.2–1.2 58.81N 137.64W 1 2.7L
NEIC VII 05 00 52 11.2 58.81N 137.64W 1 2.7L,2.6L **¶12951050**
PGC Event type ke. 118km Ese of Yakutat, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VII 06 01 18 41.4–2.6 58.45N 133.44W 1 2.8L
NEIC VII 06 01 18 41.4 58.45N 133.44W 1 2.8L **¶12951079**
PGC Event type ke. 59km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VII 06 03 48 55.4–6.3 58.20N 133.60W 1 3.3L
NEIC VII 06 03 48 55.4 58.20N 133.60W 1 3.3L,2.8L **¶12951076**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=-1.0. 49km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
NEIC VII 06 06 45 07.9 58.29N 133.45W 1 3.2L,2.8L
PGC VII 06 06 45 07.9–5.3 58.29N 133.45W 1 3.2L,2.8L **¶12951073**
NEIC Event type se. After PGC.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=-1.0. 56km east of Juneau, Ak Southeastern Alaska.
PGC VII 06 07 09 36.4–4.5 58.41N 133.39W 1 2.8L
NEIC VII 06 07 09 36.4 58.41N 133.39W 1 2.8L,2.6L **¶12951072**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=-1.0. 61km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
ISC VII 06 14 24 18.9–.59 58.41N–.05 133.47W–.06 10 28 1-3
ISCJB VII 06 14 24 18.3–.61 58.36N–.05 133.41W–.06 10 **¶12951063**
NEIC VII 06 14 24 18.2 58.32N 133.54W 0 2.7L,2.4L
PGC VII 06 14 24 19.6–5.6 58.38N 133.43W 1 2.7L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.6km az=15.1.
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=-1.0. 58km east of Juneau, Ak Southeastern Alaska.
PGC VII 07 05 12 48.9–5.1 58.32N 133.53W 1 3.2L
NEIC VII 07 05 12 48.9 58.32N 133.53W 1 3.2L,2.8L **¶12951096**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=-1.0. 51km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VII 07 06 07 13.5–7.5 58.34N 133.43W 1 3.1L
NEIC VII 07 06 07 13.5 58.34N 133.43W 1 3.1L,2.7L **¶12951094**
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=-1.0. 57km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VII 07 08 57 49.0–8.8 58.31N 133.52W 1 2.9L
NEIC VII 07 08 57 49.0 58.31N 133.52W 1 2.9L,2.6L **¶12951092**
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=-1.0. 52km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VII 07 19 26 39.5–5.5 58.24N 133.52W 1 3.2L
NEIC VII 07 19 26 39.5 58.24N 133.52W 1 3.2L,2.8L **¶12951106**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=-1.0. 53km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VII 08 04 27 16.8–5.6 58.18N 133.58W 1 3.3L
NEIC VII 08 04 27 16.8 58.18N 133.58W 1 3.3L,2.8L **¶12951136**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=-1.0. 50km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VII 08 12 28 35.3–.57 58.86N 136.43W 10 3.9L
NEIC VII 08 12 28 35.3 58.86N 136.43W 10 3.9L,3.9L **¶12951127**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 74km Wsw of Haines, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VII 08 22 17 01.7–.06 58.78N 137.58W 1 2.7L
NEIC VII 08 22 17 01.7 58.78N 137.58W 1 2.7L,2.5L **¶12951115**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 122km Ese of Yakutat, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VII 20 17 01 30.8–5.3 58.34N 133.53W 1 2.8L
NEIC VII 20 17 01 30.8 58.34N 133.53W 1 2.8L,2.7L **¶12951496**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=-1.0. 52km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VII 20 21 36 51.0–19 58.38N 133.50W 1 2.9L
NEIC VII 20 21 36 51.0 58.38N 133.50W 1 2.9L,2.9L **¶12951494**
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=1.2km az=-1.0. 54km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
NEIC VII 22 04 45 29.9 58.34N 133.47W 0 3.2L,2.8L
PGC VII 22 04 45 30.6–9.7 58.30N 133.47W 1 3.2L,2.8L **¶12951575**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=-1.0. 55km east of Juneau, Ak Southeastern Alaska.
NEIC VII 22 10 00 34.5 58.29N 133.45W 1 3.3L,3.0L
PGC VII 22 10 00 34.5–12 58.29N 133.45W 1 3.3L,3.0L **¶12951573**
NEIC Event type se. After PGC.
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=-1.0. 56km east of Juneau, Ak Southeastern Alaska.
PGC VII 22 13 11 45.9–31 58.15N 133.53W 1 3.0L
NEIC VII 22 13 11 47.7 58.44N 133.50W 0 3.0L,2.6L **¶12951572**
PGC Event type ke. Error ellipse: s-maj=5.6km s-min=1.8km az=-1.0. 54km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After AEIC.
PGC VII 23 04 32 12.7–12 58.26N 133.49W 1 3.2L
NEIC VII 23 04 32 12.5 58.34N 133.44W 0 3.2L,2.8L **¶12951611**
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=-1.0. 54km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After AEIC.
PGC VII 23 05 06 36.2–6.6 58.28N 133.52W 1 3.2L
NEIC VII 23 05 06 36.0 58.28N 133.52W 1 3.2L,2.8L **¶12951610**
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=-1.0. 52km east of Juneau, Ak Southeastern Alaska.
NEIC Event type fe. Felt at Juneau. After PGC.
PGC VII 23 09 13 49.9–12 58.35N 133.44W 1 2.8L
NEIC VII 23 09 13 49.9 58.35N 133.44W 1 2.8L,2.6L **¶12951608**
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=-1.0. 57km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VII 23 20 45 03.7–21 58.31N 133.47W 1 3.1L
NEIC VII 23 20 45 03.7 58.31N 133.47W 1 3.1L,2.7L **¶12951594**
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=1.2km az=-1.0. 55km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
ISC VIII 03 09 44 28.0–.15 58.83N–.02 137.49W–.04 10 4.2b,3.7s 279 1-90
BJI VIII 03 09 44 23.6 58.70N 137.40W 5 4.9b,4.6b **¶11154127**
ISCJB VIII 03 09 44 25.9–.15 58.78N–.02 137.59W–.04 10 4.2b,3.7s
IDC VIII 03 09 44 26.2–.55 58.80N 137.54W 0 4.2,4.1
NEIC VIII 03 09 44 27.6 58.72N 137.39W 1 4.6L,4.5W
PGC VIII 03 09 44 27.6–.06 58.72N 137.39W 1 4.5W,4.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.0km az=40.9.
IDC Error ellipse: s-maj=11.9km s-min=7.4km az=42.0.
NEIC Event type fe. Felt [III] at Gustavus, Haines and Juneau. Also felt at Skagway. After PGC. Moment Tensor Solution. $M_0$6.60000×10^{15} Moment Tensor Solution. $M_0$4.80000×10^{15}
PGC Event type ke. 131km west of Haines, Ak Southeastern Alaska.
ISC VIII 05 09 58 47.5–.31 58.77N–.02 137.40W–.05 10 4.9b 56 1-80
ISCJB VIII 05 09 58 45.9–.32 58.71N–.03 137.52W–.05 10 4.9b **¶11154193**
BJI VIII 05 09 58 45.0 58.80N 137.50W 15 4.9,4.8b
NEIC VIII 05 09 58 48.1 58.76N 137.46W 1 4.3L,4.2L
PGC VIII 05 09 58 48.1–1.5 58.76N 137.46W 1 4.2L,4.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=33.2.
NEIC Event type se. After PGC. Moment Tensor Solution. $M_0$6.80000×10^{14}
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 130km Ese of Yakutat, Ak Southeastern Alaska.
PGC VIII 12 07 38 23.0–7.7 58.39N 133.49W 5 2.8L
NEIC VIII 12 07 38 23.0 58.39N 133.49W 5 2.8L,2.5L **¶11308551**
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=-1.0. 55km east of Juneau, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VIII 13 19 48 51.7–3.9 60.67N 140.46W 5 2.6L
NEIC VIII 13 19 48 51.7 60.67N 140.46W 5 2.7L,2.6L **¶11308578**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. 159km west of Haines Jct., Yt Southeastern Alaska.
NEIC Event type se. After PGC.
PGC VIII 22 01 08 23.9–.81 59.22N 138.06W 10 3.7L
NEIC VIII 22 01 08 23.9 59.22N 138.06W 10 3.7L,3.5L **¶11308696**
PGC Event type ke. 81km east of Yakutat, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
PGC IX 03 23 28 56.2–2.7 59.87N 140.16W 1 3.0L
NEIC IX 03 23 28 56.2 59.87N 140.16W 1 3.0L,2.9L **¶11344768**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 74km northwest of Yakutat, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
ISC X 19 21 06 41.2–1.6 59.86N–.05 141.74W–.06 7–11 3.7b 64 2-88
ISCJB X 19 21 06 39.4–1.4 59.91N–.05 141.66W–.06 5–10 3.7b **¶11395979**
IDC X 19 21 06 40.5–.81 59.96N 141.64W 0 3.8b,3.8
PGC X 19 21 06 40.0–124 59.76N 141.78W 1 3.7L,3.8
NEIC X 19 21 06 42.5 59.91N 141.64W 7 3.6L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.6km az=15.4.
IDC Error ellipse: s-maj=20.1km s-min=10.6km az=36.0.
PGC Event type ke. Error ellipse: s-maj=7.8km s-min=5.0km az=-1.0. 139km Wnw of Yakutat, Ak Southeastern Alaska.
NEIC Event type se. After AEIC.
PGC XI 04 22 10 55.7–1.3 58.50N 137.18W 1 3.7L
NEIC XI 04 22 10 55.7 58.50N 137.18W 1 3.7L,3.0L **¶12072305**
PGC Event type ke. 131km Wsw of Haines, Ak Southeastern Alaska.
NEIC Event type se. After PGC.
NEIC XI 10 00 35 00.3 60.09N 140.56W 12 2.6L,2.5L
PGC XI 10 00 35 01.7–2.0 60.03N 140.36W 1 2.6L,2.5L **¶12073012**
NEIC Event type se. After AEIC.

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 95km northwest of Yakutat, Ak Southeastern Alaska.
NEIC XI 10 14 39 09.9 58.57N 137.19W 6 3.0L,2.6L
PGC XI 10 14 39 10.2–3.0 58.55N 137.10W 1 3.0L,2.6L **¶12073075**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0. 124km Wsw of Haines, Ak Southeastern Alaska.
NEIC XI 14 00 11 02.0 58.54N 137.26W 7 2.8L,2.6L
PGC XI 14 00 11 02.4–3.2 58.47N 137.28W 1 2.8L,2.6L **¶12073470**
NEIC Event type se. After AEIC.
PGC Event type ke. 137km Wsw of Haines, Ak Southeastern Alaska.

(20) Off coast of southeastern Alaska.

NEIC IX 19 17 23 35.9 58.67N 140.51W 25 3.5L,3.3L
PGC IX 19 17 23 32.5–4.5 58.57N 140.35W 10 3.5L,3.3L **¶11284041**
NEIC Event type se. After AEIC.
PGC Event type ke. 94km southwest of Yakutat, Ak Off Coast Of Southeastern Alaska.
PGC X 10 23 45 44.0–5.2 56.89N 137.04W 10 3.5L
¶11395959
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0. 105km west of Sitka, Ak Off Coast Of Southeastern Alaska.
PGC X 19 22 34 17.2–26 55.45N 136.94W 10 3.6L
¶11395980
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0. 204km southwest of Sitka, Ak Off Coast Of Southeastern Alaska.

(22) Queen Charlotte Islands region.

PGC VII 13 14 25 39.5–.81 51.66N 131.05W 10 4.0W,3.4L
¶11325581
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 184km Sse of Sandspit, Bc Queen Charlotte Islands Region.
ISC VIII 08 15 41 35.2–.37 51.80N–.04 131.24W–.07 10 4.2b,3.5s 107 1-90
PGC VIII 08 15 41 31.3–5.7 51.54N 131.71W 10 4.2L,3.5s **¶11160005**
NEIC VIII 08 15 41 31.3 51.54N 131.70W 10 4.2L,4.1b
ISCJB VIII 08 15 41 33.5–.38 51.78N–.05 131.23W–.08 10 4.2b,3.5s
BJI VIII 08 15 41 34.2 51.50N 131.70W 10 4.8b,4.5b
IDC VIII 08 15 41 35.4–.75 51.83N 131.30W 0 4.0b,4.0
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 190km south of Sandspit, Bc Queen Charlotte Islands Region.
NEIC Event type se. After PGC.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=3.0km az=135.9.
IDC Error ellipse: s-maj=13.1km s-min=7.9km az=8.0.
PGC VIII 14 03 50 08.5–7.0 51.62N 131.41W 10 3.8W,3.2L
¶11308588
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 184km Sse of Sandspit, Bc Queen Charlotte Islands Region.
PGC IX 19 03 06 31.5–23 51.21N 130.86W 10 3.5W,2.9L
¶11280396
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0. 216km Wsw of Bella Bella, Bc Queen Charlotte Islands Region.
PGC XI 04 00 48 32.4–.49 52.83N 132.67W 20 3.5L
¶12072195
PGC Event type ke. 73km Wsw of Sandspit, Bc Queen Charlotte Islands Region.
PGC XI 09 01 01 26.7–1.1 52.65N 132.40W 20 3.6L
¶12072897
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 76km southwest of Sandspit, Bc Queen Charlotte Islands Region.
ISC XI 19 12 21 41.2–2.1 52.31N–.08 132.0W–.20 4–13 3.1b 30 0-77
ISCJB XI 19 12 21 39.5–1.7 52.28N–.05 132.1W–.20 4–10 3.1b **¶11458370**
PGC XI 19 12 21 40.7–.03 52.30N 131.74W 20 4.0L
NEIC XI 19 12 21 40.7 52.30N 131.74W 20 4.0L
IDC XI 19 12 21 40.3–1.4 52.35N 131.58W 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=7.7km az=160.2.
PGC Event type ke. 106km south of Sandspit, Bc Queen Charlotte Islands Region.
NEIC Event type se. After PGC.
IDC Error ellipse: s-maj=20.1km s-min=6.9km az=33.0.
PGC XI 19 14 19 41.1–.03 52.29N 131.75W 20 3.9L
¶11458373
PGC Event type ke. 107km south of Sandspit, Bc Queen Charlotte Islands Region.
ISC XII 01 04 29 15.7–.62 52.38N–.07 131.4W–.10 10 3.5b,3.5s 44 0-151
PGC XII 01 04 29 12.4–.68 52.18N 132.09W 20 4.2L,3.5s **¶11653362**
IDC XII 01 04 29 13.9–.91 52.26N 131.47W 0 3.8,3.7
ISCJB XII 01 04 29 14.5–.59 52.43N–.07 131.33W–.10 10 3.5b,3.5s
NEIC XII 01 04 29 15.6–.87 52.34N 131.44W 10 4.2L,3.5s
ISC Event type ke.
PGC Event type ke. 120km Ssw of Sandspit, Bc Queen Charlotte Islands Region.
IDC Error ellipse: s-maj=14.3km s-min=7.7km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=5.0km az=39.8.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=7.7km az=56.0.

(23) British Columbia.

ISC X 23 08 40 06.0–.40 51.81N–.03 117.06W–.03 10 3.5s 79 1-60
ISCJB X 23 08 40 04.4–.45 51.79N–.03 117.04W–.04 10 3.5s **¶11362168**
NEIC X 23 08 40 04.9 51.87N 116.90W 1 3.3L
PGC X 23 08 40 04.9–.04 51.87N 116.90W 1 3.3L
IDC X 23 08 40 06.5–1.5 51.90N 116.95W 0 3.9,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.2km az=22.3.
NEIC Event type se. After PGC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 121km Wnw of Banff, Alberta Alberta Province, Canada.
IDC Error ellipse: s-maj=43.1km s-min=10.9km az=78.0.

(24) Alberta.

IDC XII 06 19 20 22.2–1.4 53.25N 116.97W 0 3.7,3.4
¶12076057
IDC Error ellipse: s-maj=27.3km s-min=10.9km az=77.0.

(25) Vancouver Island region.

PGC VII 01 04 55 42.5–.82 50.02N 128.71W 10 3.6W,2.9L
¶13596269
PGC Event type ke. 119km Wsw of Pt. Hardy, Bc Vancouver Island Region.
PGC VII 12 04 06 06.4–.21 48.87N 125.60W 32–0 3.1L
NEIC VII 12 04 06 06.4 48.87N 125.60W 32 3.1L **¶12951247**
PGC Event type ke. 10km Ssw of Ucluelet, Bc Vancouver Island Region.
NEIC Event type fe. Felt at Ucluelet. After PGC.
PGC VII 29 02 07 56.9–.86 50.70N 130.47W 10 3.5W,2.9L
¶13597252
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 215km west of Pt. Hardy, Bc Vancouver Island Region.
PGC VII 30 00 03 12.4–3.3 50.66N 130.52W 10 3.5W,2.9L
¶13597269
PGC Event type ke. 218km west of Pt. Hardy, Bc Vancouver Island Region.
ISC VIII 25 22 24 55.5–1.0 49.02N–.03 128.51W–.04 1–7 4.2b,4.1s 159 1-98
IDC VIII 25 22 24 51.6–1.3 48.73N 129.07W 0 4.2,4.1 **¶11265309**
PGC VIII 25 22 24 51.4–5.0 48.71N 129.03W 10 5.0W,3.5L
ISCJB VIII 25 22 24 53.3–.92 48.95N–.03 128.56W–.04 1–7 4.2b,4.1s
GCMT VIII 25 22 24 56.8–.20 48.70N 129.12W 23–1 5.1W,4.1s
NEIC VIII 25 22 24 56.9–.35 49.02N 128.49W 10 5.0W,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=15.1km az=59.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. 232km west of Tofino, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=141.1.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s43,c52; s92,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.84±.20 $M_{\theta\theta}$-5.36±.16; $M_{\phi\phi}$6.20±.18; $M_{r\theta}$-0.46±.28; $M_{\theta\phi}$-0.89±.15; $M_{\phi r}$0.14±.24; Best double couple: NP1:ϕ_s41.00000°,δ85.00000°,λ-3.00000°. NP2:ϕ_s131.00000°,δ87.00000°,λ-175.00000°. Principal axes: T 6.2700,Plg1.0000° ,Azm266.0000°; N -0.8000,Plg84.0000°,Azm162.0000°; P -5.4700,Plg6.0000° ,Azm356.0000° $M_0$5.90000×10^{16}

NEIC Event type se. Error ellipse: s-maj=8.2km s-min=3.2km az=48.0. Moment Tensor Solution. $M_0$3.70000×10^{16}
PGC VIII 27 02 12 25.2–3.6 48.93N 128.87W 10 3.6W,3.0L
¶13827958
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. 216km west of Tofino, Bc Vancouver Island Region.
PGC VIII 27 03 09 23.3–10 49.64N 130.39W 10 3.6W,3.0L
¶11348322
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=0.7km az=-1.0. 242km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISC VIII 27 03 16 30.5–1.4 49.93N–.08 129.8W–.20 10 10 1-17
PGC VIII 27 03 16 25.1–9.1 49.61N 130.24W 10 3.5W,2.9L **¶11348323**
ISCJB VIII 27 03 16 28.8–1.3 49.90N–.07 129.9W–.20 10 3.5W,2.9L
IDC VIII 27 03 16 28.0–3.8 49.73N 129.96W 0 3.5L,3.5
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0. 235km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=10.5km az=173.1.
IDC Error ellipse: s-maj=98.9km s-min=31.0km az=50.0.
ISC VIII 27 04 25 28.2–1.3 49.98N–.03 129.87W–.05 24–10 4.1s,4.1b 116 1-89
PGC VIII 27 04 25 22.2–1.2 49.77N 130.30W 10 4.2W,3.6L **¶11222338**
IDC VIII 27 04 25 23.0–.96 49.89N 130.23W 0 4.1,4.0s
BJI VIII 27 04 25 24.7 50.27N 130.09W 10 4.9b,4.8s
NEIC VIII 27 04 25 26.3–.39 49.97N 129.90W 10 4.2b,4.2W
ISC Event type ke.
PGC Event type ke. 230km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=20.4km s-min=12.5km az=69.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=3.3km az=45.0.
ISC VIII 27 05 53 26.0–2.2 50.01N–.04 129.90W–.07 7–15 3.6b 61 1-89
PGC VIII 27 05 53 21.2–3.4 49.70N 130.36W 10 3.6W,3.0L **¶11222344**
IDC VIII 27 05 53 24.6–2.5 49.83N 129.80W 0 3.9,3.7
ISCJB VIII 27 05 53 25.1–.42 49.94N–.04 129.94W–.06 15 3.6b,3.7
BJI VIII 27 05 53 26.8 50.70N 130.24W 10 4.6s,4.6b
NEIC VIII 27 05 53 26.4–.70 49.95N 129.95W 10 3.9b,3.6W
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 237km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=43.2km s-min=12.6km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.6km az=142.9.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.9km az=56.0.
PGC VIII 27 06 11 55.0–2.8 49.67N 130.21W 10 3.5W,2.9L
¶13827960
PGC Event type ke. 230km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISC VIII 27 06 24 38.7–.44 49.98N–.03 129.84W–.06 10 4.0b,3.3s 65 1-89
PGC VIII 27 06 24 33.3–2.3 49.69N 130.32W 10 3.6W,2.9L **¶11222346**
BJI VIII 27 06 24 34.9 50.00N 129.80W 10 4.8b,4.6s
ISCJB VIII 27 06 24 36.9–.43 49.92N–.03 129.87W–.06 10 4.0b,3.3s
IDC VIII 27 06 24 37.3–2.7 49.84N 129.76W 0 3.9,3.6
NEIC VIII 27 06 24 39.0–.76 49.96N 129.84W 10 4.1b,3.6W
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 235km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.8km az=158.7.
IDC Error ellipse: s-maj=50.3km s-min=14.3km az=77.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.5km az=63.0.
ISC VIII 27 06 52 23.1–.34 50.04N–.03 129.87W–.05 10 4.2b 96 1-89
PGC VIII 27 06 52 17.1–3.9 49.73N 130.42W 10 3.8W,3.2L **¶11222348**
IDC VIII 27 06 52 18.2–1.3 49.86N 130.35W 0 4.0,3.8
ISCJB VIII 27 06 52 21.2–.34 50.00N–.03 129.90W–.05 10 4.2b,3.8
BJI VIII 27 06 52 22.0 49.87N 130.85W 5 4.8s,4.8b
NEIC VIII 27 06 52 22.6–.55 49.97N 129.99W 10 4.2b,3.8W
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 239km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=25.7km s-min=12.9km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=44.4.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=4.6km az=49.0.
ISC VIII 27 07 18 39.0–1.6 50.0N–.10 130.2W–.20 10 14 3-17
IDC VIII 27 07 18 35.9–3.8 49.71N 130.41W 0 3.6,3.4 **¶11908902**
ISCJB VIII 27 07 18 37.3–1.6 49.9N–.10 130.1W–.20 10 3.6,3.4
NEIC VIII 27 07 18 38.8–1.7 49.94N 130.18W 10 3.6,3.4
ISC Event type se.
IDC Error ellipse: s-maj=59.3km s-min=21.8km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=26.3km s-min=9.8km az=148.5.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=10.3km az=58.0.
ISC VIII 27 07 31 44.9–1.6 49.98N–.03 129.93W–.05 14–12 4.1b 117 1-89
PGC VIII 27 07 31 40.4–2.9 49.75N 130.31W 10 4.0W,3.4L **¶11222349**
IDC VIII 27 07 31 40.0–1.2 49.75N 130.41W 0 4.1,3.9
BJI VIII 27 07 31 41.6 50.20N 129.66W 4 5.0b,4.9b
ISCJB VIII 27 07 31 42.7–.29 49.94N–.03 129.96W–.05 13 4.1b,4.9b
NEIC VIII 27 07 31 44.1–.34 49.92N 130.02W 10 4.3b,4.0W
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 231km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=27.1km s-min=13.0km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.8km az=44.1.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=2.9km az=46.0.
ISC VIII 27 07 36 21.9–1.8 49.93N–.04 130.01W–.06 12–13 4.0b 91 1-89
PGC VIII 27 07 36 16.9–3.9 49.64N 130.38W 10 3.8W,3.2L **¶11222350**
IDC VIII 27 07 36 17.2–1.6 49.69N 130.52W 0 4.1,3.8b
ISCJB VIII 27 07 36 20.3–.36 49.88N–.03 130.03W–.05 14 4.0b,3.8b
NEIC VIII 27 07 36 20.9–.53 49.84N 130.18W 10 4.1b,3.8W
BJI VIII 27 07 36 22.3 50.63N 130.20W 10 4.7b,4.7b
ISC Event type ke.
PGC Event type ke. 241km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=32.9km s-min=16.2km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.8km az=141.3.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.8km az=52.0.
IDC VIII 27 07 43 51.3–4.9 49.94N 129.62W 0 3.5,3.4
¶12581457
IDC Error ellipse: s-maj=70.0km s-min=25.3km az=62.0.
ISC VIII 27 07 44 57.0–.71 50.01N–.06 130.07W–.09 10 3.6b 26 1-80
PGC VIII 27 07 44 54.0–14 49.76N 130.38W 10 3.6W,3.0L **¶11908905**
ISCJB VIII 27 07 44 55.4–.70 49.98N–.06 130.14W–.09 10 3.6b,3.0L
IDC VIII 27 07 44 55.3–1.9 49.89N 130.24W 0 3.8,3.6L
NEIC VIII 27 07 44 57.5–.89 50.02N 130.08W 10 3.9b,3.6L
ISC Event type ke.
PGC Event type ke. 235km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.5km az=44.6.
IDC Error ellipse: s-maj=29.6km s-min=16.7km az=78.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=7.8km az=49.0.
ISC VIII 27 07 48 04.7–.80 50.02N–.08 130.3W–.10 10 3.5b 25 3-86
ISCJB VIII 27 07 48 03.0–.80 49.98N–.08 130.3W–.10 10 3.5b **¶11908907**
IDC VIII 27 07 48 02.9–1.5 49.89N 130.24W 0 3.8,3.6b
NEIC VIII 27 07 48 04.8–.66 50.01N 130.25W 10 3.8b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=7.3km az=143.1.
IDC Error ellipse: s-maj=33.4km s-min=15.7km az=74.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.2km az=52.0.
IDC VIII 27 07 53 02.8–4.9 48.67N 129.56W 0 3.7,3.4
¶12581458
IDC Error ellipse: s-maj=75.0km s-min=26.6km az=53.0.
ISC VIII 27 07 54 22.4–1.9 49.98N–.08 131.0W–.30 10 3.7b 31 3-86
NEIC VIII 27 07 54 22.4–2.1 49.96N 130.98W 10 4.0b **¶11908909**
IDC VIII 27 07 54 24.2–1.7 49.79N 130.28W 0 4.1,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.3km s-min=12.7km az=81.0.
IDC Error ellipse: s-maj=33.9km s-min=17.3km az=69.0.
IDC VIII 27 07 56 55.2–2.8 49.65N 130.47W 0 3.8b,3.7
¶12581459
IDC Error ellipse: s-maj=45.0km s-min=30.7km az=46.0.

ISC VIII 27 08 02 51.3–1.2 49.93N–.08 130.0W–.20 10 3.4b 21 3-85
IDC VIII 27 08 02 48.5–2.5 49.74N 130.23W 0 4.1,4.1s **¶11908911**
ISCJB VIII 27 08 02 50.0–1.2 49.93N–.09 129.9W–.20 10 3.4b,4.1s
NEIC VIII 27 08 02 51.5–1.3 49.93N 129.93W 10 3.7b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=17.2km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=9.4km az=155.1.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=9.4km az=68.0.
ISC VIII 27 08 07 18.0–.85 49.71N–.06 130.12W–.08 10 27 2-50
ISCJB VIII 27 08 07 16.0–.88 49.64N–.06 130.20W–.08 10 **¶11908912**
IDC VIII 27 08 07 16.3–3.6 49.45N 129.99W 0 3.7,3.5
NEIC VIII 27 08 07 19.1–1.7 49.67N 129.73W 10 3.7,3.5
PGC VIII 27 08 07 20.4–2.1 49.81N 130.25W 10 3.7W,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.6km az=31.1.
IDC Error ellipse: s-maj=58.9km s-min=20.2km az=70.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=10.2km az=56.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 224km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISC VIII 27 08 33 40.0–.46 50.02N–.04 130.02W–.07 10 3.8b 70 1-85
IDC VIII 27 08 33 35.1–1.5 49.68N 130.63W 0 3.9,3.8s **¶11908915**
PGC VIII 27 08 33 35.7–6.2 49.68N 130.32W 10 3.6W,3.0L
ISCJB VIII 27 08 33 38.1–.45 49.97N–.04 130.07W–.07 10 3.8b,3.0L
NEIC VIII 27 08 33 39.8–.54 49.95N 130.14W 10 3.9b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=31.3km s-min=15.6km az=68.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 236km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=148.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=4.9km az=51.0.
PGC VIII 27 08 34 40.6–3.8 49.77N 130.20W 10 3.5W,2.9L
¶13827961
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 223km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISC VIII 27 08 48 12.8–.72 49.97N–.05 129.72W–.09 10 3.6b 30 1-29
PGC VIII 27 08 48 09.0–4.5 49.76N 130.20W 10 3.6W,3.0L **¶11908917**
ISCJB VIII 27 08 48 10.8–.70 49.94N–.05 129.82W–.08 10 3.6b,3.0L
IDC VIII 27 08 48 11.3–2.3 49.88N 129.70W 0 3.8,3.6s
NEIC VIII 27 08 48 13.3–.72 49.99N 129.60W 10 3.9b,3.6s
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 224km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.3km az=141.4.
IDC Error ellipse: s-maj=37.2km s-min=14.2km az=75.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=5.7km az=52.0.
ISC VIII 27 09 01 10.1–1.1 49.97N–.07 129.7W–.10 10 3.6b 18 1-29
PGC VIII 27 09 01 06.6–2.8 49.75N 130.15W 10 3.5W,2.9L **¶11359049**
ISCJB VIII 27 09 01 08.5–1.0 49.95N–.07 129.8W–.10 10 3.6b,2.9L
IDC VIII 27 09 01 08.9–2.4 49.90N 129.66W 0 3.8b,3.8
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 221km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=9.2km az=136.0.
IDC Error ellipse: s-maj=41.8km s-min=14.1km az=81.0.
IDC VIII 27 09 04 30.7–3.7 49.87N 130.00W 0 3.7,3.5
¶12581463
IDC Error ellipse: s-maj=58.7km s-min=20.1km az=71.0.
ISC VIII 27 09 49 13.9–.98 49.98N–.07 129.68W–.08 10 22 1-17
ISCJB VIII 27 09 49 12.3–.96 49.98N–.07 129.77W–.08 10 **¶11360948**
PGC VIII 27 09 49 12.7–3.7 49.82N 129.93W 10 3.7W,3.1L
IDC VIII 27 09 49 12.9–2.3 49.92N 129.85W 0 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.2km az=28.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 204km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=34.8km s-min=16.0km az=74.0.
ISC VIII 27 10 06 06.5–1.4 49.93N–.10 129.9W–.20 10 11 1-17
IDC VIII 27 10 06 03.7–3.8 49.80N 130.08W 0 3.6,3.4L **¶11360949**
PGC VIII 27 10 06 04.7–46 49.80N 130.18W 10 3.4W,2.8L
ISCJB VIII 27 10 06 05.1–1.4 49.90N–.10 129.9W–.10 10 3.4W,2.8L
ISC Event type ke.
PGC Event type ke. 220km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke.
ISC VIII 27 11 30 21.7–1.4 50.01N–.09 129.6W–.10 10 16 1-43
PGC VIII 27 11 30 17.9–4.4 49.81N 130.06W 10 3.3W,2.7L **¶11360951**
ISCJB VIII 27 11 30 21.0–1.3 50.06N–.08 129.7W–.10 10 3.3W,2.7L
IDC VIII 27 11 30 21.2–3.2 50.00N 129.72W 0 3.6,3.4
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 212km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=9.5km az=44.6.
IDC Error ellipse: s-maj=47.8km s-min=18.4km az=77.0.
ISC VIII 27 11 49 57.1–1.7 49.9N–.10 129.8W–.10 10 13 1-17
PGC VIII 27 11 49 55.4–5.9 49.80N 130.11W 10 3.5W,2.9L **¶11360953**
IDC VIII 27 11 49 55.5–5.3 49.74N 130.23W 0 3.6,3.5L
ISCJB VIII 27 11 49 56.5–1.6 50.0N–.10 129.8W–.10 10 3.6,3.5L
ISC Event type ke.
PGC Event type ke. 215km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke.
ISC VIII 27 11 52 48.3–1.5 50.05N–.09 129.7W–.10 10 13 1-17
PGC VIII 27 11 52 44.9–5.9 49.82N 130.13W 10 3.4W,2.8L **¶11360955**
ISCJB VIII 27 11 52 48.4–1.3 50.10N–.07 129.7W–.10 10 3.4W,2.8L
IDC VIII 27 11 52 49.0–3.6 50.04N 129.52W 0 3.7,3.4
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 216km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=9.6km az=145.6.
IDC Error ellipse: s-maj=60.5km s-min=22.8km az=69.0.
ISC VIII 27 12 43 46.7–.93 50.07N–.06 129.56W–.09 10 3.2s,3.1b 22 1-37
PGC VIII 27 12 43 42.4–3.0 49.83N 130.05W 10 3.4W,2.8L **¶11362270**
ISCJB VIII 27 12 43 44.8–.91 50.05N–.06 129.67W–.08 10 3.2s,3.1b
IDC VIII 27 12 43 45.6–2.0 50.02N 129.66W 0 3.7,3.5
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 210km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=7.2km az=40.9.
IDC Error ellipse: s-maj=34.7km s-min=12.5km az=76.0.
ISC VIII 27 13 35 28.2–.86 50.18N–.06 129.57W–.09 10 3.3b,3.0s 35 1-29
PGC VIII 27 13 35 25.5–4.6 49.98N 129.95W 10 3.5W,2.9L **¶11302646**
ISCJB VIII 27 13 35 26.4–.84 50.16N–.06 129.69W–.08 10 3.4b,3.0s
IDC VIII 27 13 35 27.2–2.1 50.09N 129.61W 0 3.8,3.6
NEIC VIII 27 13 35 28.7–1.4 50.22N 129.64W 10 3.5W,3.6
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 197km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.6km az=40.3.
IDC Error ellipse: s-maj=35.2km s-min=12.8km az=76.0.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=10.4km az=62.0.
ISC VIII 27 16 45 04.7–1.4 50.17N–.08 129.9W–.10 10 15 1-17
PGC VIII 27 16 45 04.5–1.5 50.06N 130.16W 10 3.4W,2.8L **¶12581470**
ISCJB VIII 27 16 45 05.2–1.1 50.21N–.07 129.88W–.10 10 3.4W,2.8L
IDC VIII 27 16 45 06.8–3.7 50.24N 129.39W 0 3.4,3.2
ISC Event type ke.
PGC Event type ke. 207km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=8.0km az=38.1.
IDC Error ellipse: s-maj=99.1km s-min=32.7km az=51.0.
ISC VIII 27 17 24 02.4–.87 50.00N–.06 129.84W–.08 10 22 1-36
ISCJB VIII 27 17 24 00.9–.91 50.00N–.06 129.93W–.08 10 **¶12581474**
IDC VIII 27 17 24 00.9–2.2 49.86N 129.66W 0 3.7,3.5
PGC VIII 27 17 24 02.4–2.3 49.97N 130.09W 10 3.6W,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.5km az=30.9.
IDC Error ellipse: s-maj=38.1km s-min=14.5km az=78.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 206km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISC VIII 27 17 31 03.6–1.3 50.00N–.08 129.74W–.10 10 21 1-29
PGC VIII 27 17 31 02.3–2.5 49.92N 130.06W 10 3.7W,3.1L **¶12581475**
ISCJB VIII 27 17 31 03.2–1.1 50.08N–.07 129.80W–.09 10 3.7W,3.1L
IDC VIII 27 17 31 05.0–2.0 50.11N 129.82W 0 3.7,3.5
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 207km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.9km az=29.3.
IDC Error ellipse: s-maj=34.7km s-min=13.7km az=77.0.
ISC VIII 27 17 41 53.0–.39 50.27N–.04 129.67W–.06 10 4.1b,3.3s 70 1-89
PGC VIII 27 17 41 47.9–1.1 49.95N 130.17W 10 4.0W,3.4L **¶11222360**
ISCJB VIII 27 17 41 51.2–.38 50.22N–.04 129.73W–.06 10 4.1b,3.3s
IDC VIII 27 17 41 51.8–1.2 50.16N 129.67W 0 4.1,3.9
BJI VIII 27 17 41 53.4 50.87N 130.39W 10 4.7b,4.7b
NEIC VIII 27 17 41 53.4–.62 50.25N 129.67W 10 4.3W,4.0b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 212km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=135.3.
IDC Error ellipse: s-maj=22.3km s-min=11.4km az=74.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=5.8km az=58.0. Moment Tensor Solution. $M_0$4.20000×10^{15}
ISC VIII 27 17 44 29.7–.96 50.33N–.07 129.6W–.10 10 19 1-29
PGC VIII 27 17 44 24.8–1.9 50.06N 130.18W 10 3.5W,2.9L **¶11457612**
ISCJB VIII 27 17 44 27.8–.97 50.29N–.07 129.7W–.10 10 3.5W,2.9L
IDC VIII 27 17 44 27.6–2.2 50.25N 129.81W 0 3.7,3.5
NEIC VIII 27 17 44 31.1–1.4 50.49N 129.46W 10 3.7,3.5
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 208km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=7.7km az=139.5.
IDC Error ellipse: s-maj=35.0km s-min=14.8km az=80.0.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=9.5km az=66.0.
ISC VIII 27 18 10 07.3–1.7 50.14N–.04 129.78W–.06 16–12 3.9b,3.4s 75 1-89
BJI VIII 27 18 10 02.3 49.59N 130.58W 10 4.9b,4.5s **¶11222361**
ISCJB VIII 27 18 10 03.8–1.5 50.08N–.04 129.82W–.05 5–10 3.9b,3.4s
PGC VIII 27 18 10 04.5–2.4 49.90N 130.03W 10 4.0W,3.4L
IDC VIII 27 18 10 04.5–1.4 50.05N 130.05W 0 4.0,3.9L
NEIC VIII 27 18 10 06.6–.65 50.12N 129.82W 10 4.5W,4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=30.5.
PGC Event type ke. 205km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=24.1km s-min=13.2km az=75.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=5.2km az=49.0. Moment Tensor Solution. $M_0$7.10000×10^{15}
ISC VIII 27 18 19 12.7–1.3 50.11N–.07 129.7W–.20 10 8 2-17
ISCJB VIII 27 18 19 10.3–1.3 50.06N–.07 129.8W–.20 10 **¶11908942**
IDC VIII 27 18 19 10.0–2.3 49.97N 129.83W 0 3.7,3.5
NEIC VIII 27 18 19 12.9–1.5 50.14N 129.61W 10 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=9.4km az=166.8.
IDC Error ellipse: s-maj=35.3km s-min=15.7km az=73.0.
NEIC Event type se. Error ellipse: s-maj=30.5km s-min=10.2km az=65.0.
ISC VIII 27 18 47 09.8–.27 50.28N–.03 129.73W–.05 10 4.6b,3.9s 134 1-99
PGC VIII 27 18 47 05.1–2.3 49.99N 130.17W 10 4.1W,3.5L **¶11222362**
IDC VIII 27 18 47 06.0–.94 50.10N 130.04W 0 4.1,3.9
ISCJB VIII 27 18 47 08.0–.27 50.22N–.03 129.75W–.04 10 4.6b,3.9s
NEIC VIII 27 18 47 09.6–.39 50.24N 129.83W 10 4.5b,4.1W
BJI VIII 27 18 47 10.0 50.93N 129.87W 10 4.9b,4.8b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 210km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=19.7km s-min=11.4km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=135.7.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=3.8km az=53.0.
ISC VIII 27 19 19 08.7–2.1 50.12N–.05 129.68W–.07 6–16 4.0b,3.6s 45 1-86
PGC VIII 27 19 19 05.0–1.0 49.88N 130.15W 10 3.9W,3.3L **¶11222363**
ISCJB VIII 27 19 19 06.1–1.8 50.09N–.05 129.75W–.07 1–13 4.0b,3.6s
IDC VIII 27 19 19 07.9–1.9 50.04N 129.70W 0 3.9,3.7b
NEIC VIII 27 19 19 09.5–.70 50.12N 129.71W 10 4.0b,3.7b
BJI VIII 27 19 19 10.4 50.92N 130.03W 17 4.9b,4.5b
ISC Event type ke.
PGC Event type ke. 214km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.3km az=38.0.
IDC Error ellipse: s-maj=30.4km s-min=14.4km az=73.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=6.0km az=47.0.
ISC VIII 27 19 45 07.8–1.7 50.09N–.04 129.62W–.07 9–13 4.3b,3.8s 93 1-89
PGC VIII 27 19 45 04.9–2.2 49.91N 130.01W 10 4.1W,3.5L **¶11222366**
ISCJB VIII 27 19 45 05.4–1.4 50.04N–.04 129.78W–.06 13–10 4.3b,3.8s
IDC VIII 27 19 45 06.8–1.7 50.03N 129.71W 0 4.1,3.9
NEIC VIII 27 19 45 08.3–.72 50.13N 129.56W 10 4.7W,4.2b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 204km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.2km az=137.7.
IDC Error ellipse: s-maj=28.8km s-min=11.7km az=73.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.8km az=56.0. Moment Tensor Solution. $M_0$1.30000×10^{16}
ISC VIII 27 19 54 11.9–.77 50.18N–.04 129.56W–.10 10 3.7b 52 1-29
PGC VIII 27 19 54 06.4–1.2 49.87N 130.12W 10 3.7W,3.1L **¶11222367**
ISCJB VIII 27 19 54 08.1–.68 50.15N–.04 129.85W–.08 10 3.8b,3.1L
IDC VIII 27 19 54 10.3–2.1 50.11N 129.67W 0 3.9,3.7b
NEIC VIII 27 19 54 12.3–1.2 50.20N 129.53W 10 3.9b,3.7W
ISC Event type ke.
PGC Event type ke. 213km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.8km az=161.3.
IDC Error ellipse: s-maj=34.6km s-min=13.0km az=76.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=7.9km az=66.0.
ISC VIII 27 19 59 23.2–.90 50.30N–.02 129.69W–.03 9–5 4.7b,4.4s 749 1-151
PGC VIII 27 19 59 18.2–3.0 49.95N 130.19W 10 4.5W,3.9L **¶11222368**
IDC VIII 27 19 59 18.9–.62 49.98N 130.17W 0 4.4,4.4
GCMT VIII 27 19 59 20.9–.20 49.80N 130.31W 16–1 5.0W,4.4
MOS VIII 27 19 59 21.7–1.1 50.11N 129.90W 19 5.0b,4.4s
BJI VIII 27 19 59 21.8 50.28N 130.33W 10 5.1b,5.0s
NEIC VIII 27 19 59 22.6–.23 50.19N 129.81W 10 4.8b,4.5W
ISCJB VIII 27 19 59 22.5–.16 50.32N–.02 129.56W–.03 14 4.7b,4.4s
SZGRF VIII 27 19 59 32.6 49.39N 126.88W 33 4.6b,4.4s
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 214km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=16.2km s-min=9.7km az=59.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s46,c67; s87,c151; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.78±.12 $M_{\theta\theta}$-2.96±.11; $M_{\phi\phi}$3.74±.12; $M_{r\theta}$1.91±.32; $M_{\theta\phi}$2.23±.09; $M_{\theta r}$-1.01±.29; Best double couple: NP1:ϕ_s238.00000°,δ67.00000°,λ-17.00000°. NP2:ϕ_s335.00000°,δ74.00000°,λ-156.00000°. Principal axes: T 4.4500,Plg5.0000° ,Azm105.0000°; N 0.3200,Plg61.0000°,Azm6.0000°; P -4.7700,Plg28.0000°,Azm198.0000° $M_0$4.60000×10^{16}
MOS Error ellipse: s-maj=7.5km s-min=4.1km az=110.1.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=2.1km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=1.7km az=139.4.
SZGRF Vancouver Island, Canada, region.
ISC VIII 27 20 08 06.7–1.2 50.04N–.08 129.9W–.10 10 26 1-22
ISCJB VIII 27 20 08 05.7–1.0 50.10N–.07 129.97W–.09 10 **¶11477873**
PGC VIII 27 20 08 05.7–1.7 49.97N 130.20W 10 3.8W,3.2L
IDC VIII 27 20 08 09.4–2.5 50.16N 129.75W 0 4.1b,3.8
NEIC VIII 27 20 08 12.2–1.5 50.39N 129.75W 10 3.6b,3.8
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.9km az=38.4.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 213km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=36.4km s-min=14.5km az=72.0.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=10.2km az=64.0.
ISC VIII 27 20 15 09.3–.83 50.24N–.05 129.5W–.10 10 3.7b 32 1-78
PGC VIII 27 20 15 03.1–1.3 49.99N 130.23W 10 3.8W,3.2L ¶11477874
ISCJB VIII 27 20 15 07.0–.79 50.19N–.05 129.7W–.10 10 3.7b,3.2L
IDC VIII 27 20 15 07.9–1.4 50.19N 129.62W 0 3.9,3.7b
NEIC VIII 27 20 15 10.2–1.0 50.35N 129.27W 10 4.1b,3.7b
ISC Event type ke.
PGC Event type ke. 214km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=7.3km az=161.4.
IDC Error ellipse: s-maj=27.7km s-min=13.8km az=81.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=8.2km az=64.0.
ISC VIII 27 20 17 38.2–.64 50.23N–.02 129.96W–.03 32–4 4.9s,4.9b 518 1-151
BJI VIII 27 20 17 32.1 50.20N 130.00W 10 5.2s,5.2b ¶11222369
IDC VIII 27 20 17 32.4–.56 50.03N 130.18W 0 4.8,4.7
MOS VIII 27 20 17 33.2–1.0 50.26N 129.94W 10 5.2b,4.9s
ISCJB VIII 27 20 17 33.9–.77 50.21N–.02 129.99W–.03 14–5 4.9b,4.9s
PGC VIII 27 20 17 33.8–2.5 50.07N 130.16W 10 5.0W,4.3L
NEIC VIII 27 20 17 35.1–.19 50.23N 130.04W 10 5.3W,5.1b
GCMT VIII 27 20 17 36.1–.10 49.85N 130.43W 15–0 5.4W,5.1b
ISC Event type ke.
IDC Error ellipse: s-maj=14.5km s-min=9.2km az=55.0.
MOS Error ellipse: s-maj=7.3km s-min=3.8km az=109.3.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.2km az=40.6.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 206km Wsw of Pt. Hardy, Bc Vancouver Island Region.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.0km az=45.0. Moment Tensor Solution. $M_0$9.80000×10^{16}
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta=101, comp=211, per= 50. Moment Tensor Solution. s77,c150; s23,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04±.02 $M_{\theta\theta}$-0.97±.02; $M_{\phi\phi}$1.01±.02; $M_{r\theta}$0.49±.07; $M_{\theta\phi}$1.02±.02; $M_{\phi r}$-0.19±.06; Best double couple: NP1:ϕ_s339.00000°,δ76.00000°,λ-167.00000°. NP2:ϕ_s246.00000°,δ77.00000°,λ-14.00000°. Principal axes: T 1.4400,Plg1.0000°,Azm293.0000°; N 0.1400,Plg71.0000°,Azm25.0000°; P -1.5800,Plg19.0000°,Azm203.0000° $M_0$1.50000×10^{17}
ISC VIII 27 20 24 14.4–.85 50.30N–.07 129.7W–.10 10 3.5b 25 1-79
PGC VIII 27 20 24 09.4–3.7 50.03N 130.18W 10 3.4W,2.8L ¶11908947
ISCJB VIII 27 20 24 12.2–.83 50.26N–.07 129.76W–.09 10 3.5b,2.8L
IDC VIII 27 20 24 13.7–1.4 50.34N 129.81W 0 3.8,3.7b
NEIC VIII 27 20 24 15.5–1.1 50.37N 129.57W 10 3.8,3.7b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 210km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=7.3km az=37.8.
IDC Error ellipse: s-maj=24.4km s-min=15.2km az=77.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=9.4km az=51.0.
ISC VIII 27 20 32 16.5–.81 50.01N–.06 129.71W–.07 10 30 1-29
PGC VIII 27 20 32 14.7–2.9 49.85N 130.02W 10 3.8W,3.2L ¶11908948
ISCJB VIII 27 20 32 15.5–.76 50.04N–.06 129.79W–.07 10 3.8W,3.2L
IDC VIII 27 20 32 16.9–2.0 50.04N 129.78W 0 3.9,3.6L
NEIC VIII 27 20 32 19.3–1.1 50.21N 129.76W 10 3.9,3.6L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 208km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.4km az=24.8.
IDC Error ellipse: s-maj=30.6km s-min=16.5km az=73.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=9.8km az=49.0.
ISC VIII 27 20 35 46.3–.81 50.07N–.05 129.57W–.08 10 3.4b 27 1-28
PGC VIII 27 20 35 42.0–1.4 49.86N 130.05W 10 3.6W,3.0L ¶11908949
ISCJB VIII 27 20 35 44.1–.80 50.03N–.05 129.69W–.08 10 3.5b,3.0L
IDC VIII 27 20 35 44.6–2.3 50.00N 129.60W 0 3.8L,3.8
NEIC VIII 27 20 35 46.9–1.4 50.06N 129.62W 10 3.8L,3.8
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 209km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.4km az=37.6.
IDC Error ellipse: s-maj=37.5km s-min=14.3km az=75.0.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=9.6km az=60.0.
ISC VIII 27 20 49 34.8–2.2 50.35N–.04 129.87W–.08 14–16 4.1b 65 1-86
PGC VIII 27 20 49 30.2–1.1 49.96N 130.22W 10 3.9W,3.3L ¶11908950
ISCJB VIII 27 20 49 31.2–1.8 50.29N–.04 129.94W–.07 2–13 4.1b,3.3L
IDC VIII 27 20 49 31.4–1.1 50.15N 130.27W 0 4.0b,4.0
NEIC VIII 27 20 49 34.3–.58 50.29N 129.97W 10 4.2b,4.0
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 215km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.1km az=140.8.
IDC Error ellipse: s-maj=22.4km s-min=12.2km az=72.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.2km az=57.0.
ISC VIII 27 20 51 57.6–1.6 49.96N–.10 129.8W–.10 10 17 1-17
PGC VIII 27 20 51 57.6–2.7 49.85N 129.97W 10 3.7W,3.0L ¶12581477
ISCJB VIII 27 20 51 59.9–1.3 50.09N–.07 129.6W–.10 10 3.7W,3.0L
IDC VIII 27 20 52 01.3–2.9 50.06N 129.38W 0 3.8L,3.7
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 204km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=8.8km az=146.9.
IDC Error ellipse: s-maj=46.4km s-min=15.6km az=80.0.
IDC VIII 27 20 53 27.9–3.1 50.32N 129.63W 0 3.6,3.4L ¶12581478
IDC Error ellipse: s-maj=46.2km s-min=17.6km az=83.0.
ISC VIII 27 21 00 53.6–.30 50.17N–.03 129.70W–.05 10 4.1b 87 1-86
IDC VIII 27 21 00 51.0–1.9 49.99N 129.72W 0 4.0,3.7 ¶11908953
ISCJB VIII 27 21 00 51.5–.30 50.11N–.03 129.73W–.04 10 4.1b,3.7
PGC VIII 27 21 00 51.8–2.1 49.89N 129.76W 10 3.8W,3.2L
NEIC VIII 27 21 00 53.4–.25 50.15N 129.82W 10 4.1b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=12.3km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=135.9.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 189km Wsw of Pt. Hardy, Bc Vancouver Island Region.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.6km az=49.0.
ISC VIII 27 21 22 32.6–1.8 50.24N–.04 129.77W–.08 24–17 4.2b,3.4s 84 1-59
NEIC VIII 27 21 22 24.7–.56 50.33N 130.76W 10 4.3b,3.4s ¶11908954
PGC VIII 27 21 22 27.6–1.0 49.87N 129.99W 10 4.1W,3.4L
IDC VIII 27 21 22 28.6–2.1 50.00N 129.73W 0 4.0,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.3km az=55.0.
PGC Event type ke. 205km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=35.4km s-min=13.0km az=75.0.
PGC VIII 27 21 25 31.8–2.7 50.24N 130.10W 10 3.5W,2.9L ¶13827969
PGC Event type ke. 197km west of Pt. Hardy, Bc Vancouver Island Region.
ISC VIII 27 21 35 09.6–1.1 50.10N–.07 129.8W–.10 10 3.4b 16 1-29
ISCJB VIII 27 21 35 07.9–1.1 50.10N–.07 130.0W–.10 10 3.4b ¶12581479
IDC VIII 27 21 35 07.2–2.1 49.99N 129.75W 0 3.7L,3.7
PGC VIII 27 21 35 09.1–7.6 50.03N 130.12W 10 3.5W,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=9.3km az=154.3.
IDC Error ellipse: s-maj=35.3km s-min=14.1km az=77.0.
PGC Event type ke. 205km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISC VIII 27 21 52 36.4–1.3 50.13N–.03 129.58W–.05 22–11 4.4b,3.9s 132 1-71
PGC VIII 27 21 52 29.1–1.9 49.83N 130.13W 10 4.3W,3.7L ¶11302647
IDC VIII 27 21 52 31.9–1.6 50.02N 129.71W 0 4.2,4.1L
NEIC VIII 27 21 52 35.1–.26 50.15N 129.52W 10 4.8W,4.3b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 215km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=27.7km s-min=11.3km az=74.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.5km az=47.0. Moment Tensor Solution. $M_0$1.70000×10^{16}
PGC VIII 27 22 03 52.8–1.9 49.85N 130.13W 10 3.5W,2.9L ¶11477876
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 215km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISC VIII 27 22 12 37.8–1.3 50.10N–.03 129.70W–.04 10–8 4.7b,4.6s 333 1-99
BJI VIII 27 22 12 30.0 49.52N 129.81W 10 5.0s,4.7b ¶11222376
PGC VIII 27 22 12 30.2–3.0 49.78N 130.14W 10 4.7W,4.1L
IDC VIII 27 22 12 33.9–.67 50.02N 129.92W 0 4.4,4.4s
MOS VIII 27 22 12 35.5–1.7 49.89N 129.96W 10 5.1b,4.4s
ISCJB VIII 27 22 12 36.1–.21 50.09N–.02 129.64W–.04 10 4.7b,4.6s
GCMT VIII 27 22 12 36.6–.30 49.78N 130.24W 12 5.1W,4.6s
NEIC VIII 27 22 12 38.5–.30 50.08N 129.59W 10 5.1W,4.8b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 219km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=15.2km s-min=10.3km az=64.0.
MOS Error ellipse: s-maj=8.0km s-min=4.2km az=110.6.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.3km az=137.8.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s24,c29; s75,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.51±.19 $M_{\theta\theta}$-4.85±.15; $M_{\phi\phi}$5.36±.14; $M_{r\theta}$1.17±.51; $M_{\theta\phi}$1.55±.16; $M_{\phi r}$0.36±.46; Best double couple: NP1:ϕ_s324.00000°,δ77.00000°,λ-174.00000°. NP2:ϕ_s233.00000°,δ84.00000°,λ-13.00000°. Principal axes: T 5.6400,Plg5.0000°,Azm279.0000°; N -0.3000,Plg76.0000°,Azm30.0000°; P -5.3300,Plg13.0000°,Azm188.0000° $M_0$5.50000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.0km az=51.0. Moment Tensor Solution. $M_0$5.10000×10^{16}
ISC VIII 27 22 18 22.6–.48 50.32N–.04 129.80W–.07 10 4.2b 52 1-94
PGC VIII 27 22 18 18.4–1.7 49.96N 130.16W 10 3.8W,3.1L ¶11477877
IDC VIII 27 22 18 19.9–2.2 50.15N 129.97W 0 3.9,3.8L
ISCJB VIII 27 22 18 20.8–.48 50.27N–.04 129.87W–.06 10 4.2b,3.8L
NEIC VIII 27 22 18 22.3–.76 50.18N 130.17W 10 3.9b,3.8L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 211km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=37.5km s-min=13.0km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.6km az=42.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=6.9km az=51.0.
ISC VIII 27 22 22 49.7–2.7 50.35N–.05 130.22W–.09 11–21 3.8b 55 1-29
IDC VIII 27 22 22 44.9–2.6 50.16N 130.62W 0 3.9L,3.8 ¶11477878
PGC VIII 27 22 22 47.4–1.2 50.11N 130.26W 10 4.0W,3.4L
ISCJB VIII 27 22 22 48.2–1.9 50.35N–.04 130.12W–.07 11–14 3.8b,3.4L
NEIC VIII 27 22 22 49.1–.63 50.27N 130.39W 10 4.2b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=19.4km az=84.0.
PGC Event type ke. 212km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.8km az=141.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=5.2km az=58.0.
PGC VIII 27 22 34 09.3–1.1 49.86N 130.04W 10 3.7W,3.1L ¶11477879
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 208km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISC VIII 27 22 45 34.8–1.3 50.11N–.03 129.54W–.04 19–9 4.4b 161 1-89
PGC VIII 27 22 45 28.3–3.0 49.85N 130.06W 10 4.2W,3.6L ¶11222378
IDC VIII 27 22 45 29.1–1.6 50.04N 129.74W 0 4.2b,4.2
BJI VIII 27 22 45 30.0 50.10N 129.50W 10 5.3b,4.8s
NEIC VIII 27 22 45 33.7–.34 50.10N 129.53W 10 4.6W,4.3b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 210km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=27.9km s-min=11.2km az=73.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.1km az=50.0. Moment Tensor Solution. $M_0$9.40000×10^{15}
ISC VIII 27 23 40 07.5–1.3 50.22N–.03 129.68W–.05 20–12 4.4b 132 1-69
PGC VIII 27 23 40 02.0–1.5 49.91N 130.06W 10 4.2W,3.6L ¶11302648
ISCJB VIII 27 23 40 04.0–.31 50.18N–.03 129.72W–.05 10 4.4b,3.6L
IDC VIII 27 23 40 03.4–1.9 50.07N 129.90W 0 4.2,4.1b
NEIC VIII 27 23 40 06.4–.32 50.24N 129.63W 10 4.6W,4.4b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 207km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.9km az=138.7.
IDC Error ellipse: s-maj=32.4km s-min=12.5km az=74.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=2.9km az=50.0. Moment Tensor Solution. $M_0$8.80000×10^{15}
PGC VIII 27 23 46 37.1–1.9 49.83N 130.13W 10 3.7W,3.1L ¶11302649
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 216km Wsw of Pt. Hardy, Bc Vancouver Island Region.
PGC VIII 27 23 46 42.9–3.2 49.85N 130.04W 10 3.7W,3.1L ¶11302650
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 209km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISC VIII 27 23 47 48.9–2.0 50.32N–.04 129.77W–.06 10–15 4.1b,4.0s 97 1-76
PGC VIII 27 23 47 44.8–6.6 49.93N 130.11W 10 4.0W,3.3L ¶11302651
IDC VIII 27 23 47 45.5–1.4 50.07N 130.00W 0 4.0s,4.0b
ISCJB VIII 27 23 47 46.9–.35 50.27N–.03 129.78W–.06 10 4.1b,4.0s
NEIC VIII 27 23 47 49.0–.38 50.33N 129.75W 10 4.1b,4.0W
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 210km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=25.6km s-min=13.0km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.3km az=136.4.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.5km az=52.0.
IDC VIII 28 00 05 21.9–1.9 50.07N 129.07W 0 3.8,3.6 ¶12581483
IDC Error ellipse: s-maj=38.2km s-min=11.3km az=73.0.
ISC VIII 28 00 19 11.7–1.8 50.04N–.04 129.84W–.06 23–18 3.8b 102 1-29
ISCJB VIII 28 00 19 08.9–1.7 49.98N–.04 129.88W–.06 17–17 3.8b ¶11302653
PGC VIII 28 00 19 09.6–18 49.94N 129.93W 10 3.8W,3.2L
NEIC VIII 28 00 19 09.9–.37 50.00N 129.87W 10 3.9b,3.8W
IDC VIII 28 00 19 12.9–1.8 50.16N 129.61W 0 3.9,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.5km az=135.4.
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0. 197km Wsw of Pt. Hardy, Bc Vancouver Island Region.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=2.9km az=48.0.
IDC Error ellipse: s-maj=31.9km s-min=11.5km az=77.0.
ISC VIII 28 00 22 33.9–1.5 49.95N–.03 129.82W–.06 29–14 4.1b,3.8s 113 1-69
IDC VIII 28 00 22 26.2–2.1 49.92N 130.46W 0 3.9,3.7 ¶11302654
ISCJB VIII 28 00 22 30.7–1.5 49.90N–.03 129.89W–.05 21–14 4.1b,3.9s
PGC VIII 28 00 22 31.3–6.3 49.87N 129.97W 10 4.1W,3.5L
NEIC VIII 28 00 22 31.4–.49 49.94N 129.88W 10 4.5W,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=13.4km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.0km az=153.5.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 203km Wsw of Pt. Hardy, Bc Vancouver Island Region.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.6km az=63.0. Moment Tensor Solution. $M_0$7.60000×10^{15}
ISC VIII 28 00 25 08.0–1.1 50.27N–.03 129.70W–.05 26–10 4.3b,4.0s 166 1-85
PGC VIII 28 00 25 01.5–10 50.01N 130.05W 10 4.2W,3.6L ¶11302655
IDC VIII 28 00 25 02.7–.77 50.06N 129.80W 0 4.2,4.1
NEIC VIII 28 00 25 06.4–.33 50.31N 129.63W 10 4.3b,4.2W
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. 202km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=16.4km s-min=10.1km az=70.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=2.9km az=49.0.
ISC VIII 28 00 42 18.5–.77 50.08N–.04 129.42W–.09 10 3.6s,3.3b 58 1-37

PGC VIII 28 00 42 14.4–4.5 49.89N 130.01W 10 3.7W,3.0L ¶11302656
ISCJB VIII 28 00 42 16.0–.80 50.01N–.04 129.59W–.09 10 3.6s,3.3b
IDC VIII 28 00 42 16.4–2.7 50.03N 129.61W 0 3.7,3.6L
NEIC VIII 28 00 42 18.9–.68 50.13N 129.32W 10 3.7W,3.6b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 205km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.3km az=176.1.
IDC Error ellipse: s-maj=45.7km s-min=14.4km az=81.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.5km az=76.0.
PGC VIII 28 00 43 39.4–12 49.89N 129.97W 10 3.7W,3.1L ¶11302657
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=1.4km az=-1.0. 202km Wsw of Pt. Hardy, Bc Vancouver Island Region.
PGC VIII 28 00 54 04.4–3.9 50.12N 130.19W 10 3.8W,3.2L ¶11302658
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 206km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISC VIII 28 00 57 18.4–.69 49.99N–.04 129.68W–.08 10 3.7b,3.2s 65 1-34
ISCJB VIII 28 00 57 15.9–.71 49.91N–.04 129.79W–.08 10 3.7b,3.2s ¶11302659
PGC VIII 28 00 57 16.7–4.0 49.92N 129.97W 10 3.7W,3.1L
IDC VIII 28 00 57 18.8–2.0 50.05N 129.73W 0 3.8,3.7b
NEIC VIII 28 00 57 18.2–.98 49.96N 129.69W 10 4.2b,3.7W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.7km az=165.6.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 201km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=36.4km s-min=13.8km az=79.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.2km az=82.0.
ISC VIII 28 01 15 15.9–1.1 50.15N–.03 129.64W–.04 13–7 4.7b,4.2s 297 1-99
ISCJB VIII 28 01 15 12.4–.83 50.12N–.02 129.66W–.04 2–5 4.7b,4.2s ¶11222380
IDC VIII 28 01 15 12.4–.80 49.98N 129.73W 0 4.5,4.4
PGC VIII 28 01 15 12.4–11 49.94N 129.96W 10 4.5W,3.9L
MOS VIII 28 01 15 14.1–1.1 50.10N 129.69W 16 4.9b,4.4s
BJI VIII 28 01 15 14.9 50.53N 130.29W 10 4.9b,4.8b
NEIC VIII 28 01 15 15.4–.25 50.14N 129.67W 10 5.0W,4.7b
GCMT VIII 28 01 15 15.2–.20 49.80N 130.19W 14–1 5.0W,4.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=2.5km az=136.2.
IDC Error ellipse: s-maj=17.9km s-min=9.8km az=73.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. 199km Wsw of Pt. Hardy, Bc Vancouver Island Region.
MOS Error ellipse: s-maj=8.6km s-min=4.4km az=115.9.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=2.2km az=49.0. Moment Tensor Solution. M_o4.00000×10^{16}
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s42,c57; s88,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.05±.11 $M_{\theta\theta}$-4.07±.12; $M_{\phi\phi}$4.12±.13; $M_{r\theta}$-0.58±.23; $M_{\theta\phi}$0.19±.09; $M_{\phi r}$0.64±.23; Best double couple: NP1:ϕ_s46.00000°,δ78.00000°,λ0.00000°. NP2:ϕ_s316.00000°,δ90.00000°,λ168.00000°. Principal axes: T 4.2200,Plg8.0000° ,Azm271.0000°; N -0.0500,Plg78.0000°,Azm136.0000°; P -4.1600,Plg8.0000°,Azm2.0000° M_o4.20000×10^{16}
ISC VIII 28 01 58 35.1–1.3 50.19N–.03 129.49W–.05 5–9 4.6b,4.3s 211 1-99
PGC VIII 28 01 58 31.5–7.6 49.91N 129.79W 10 4.3W,3.7L ¶11222382
IDC VIII 28 01 58 32.3–.85 50.05N 129.79W 0 4.2s,4.2
MOS VIII 28 01 58 34.0–1.4 50.10N 129.60W 14 4.9b,4.4s
ISCJB VIII 28 01 58 34.6–.26 50.15N–.03 129.49W–.04 15 4.6b,4.3s
NEIC VIII 28 01 58 35.1–.32 50.15N 129.60W 10 5.0W,4.6b
BJI VIII 28 01 58 36.0 50.60N 130.51W 5 4.9b,4.9b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 190km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=18.4km s-min=10.7km az=71.0.
MOS Error ellipse: s-maj=10.7km s-min=5.1km az=122.5.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.7km az=135.7.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.0km az=49.0. Moment Tensor Solution. M_o3.70000×10^{16}
ISC VIII 28 02 08 28.3–.39 50.11N–.04 129.68W–.07 10 4.4b,4.0s 102 2-89
IDC VIII 28 02 08 25.9–1.0 50.01N 129.75W 0 4.2,4.0 ¶11232339
ISCJB VIII 28 02 08 26.6–.40 50.10N–.04 129.60W–.07 10 4.4b,4.0s
BJI VIII 28 02 08 27.1 49.81N 130.54W 12 4.9b,4.8b
NEIC VIII 28 02 08 28.1–.41 50.08N 129.70W 10 4.2b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=11.1km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.6km az=140.5.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=3.3km az=52.0.
ISC VIII 28 02 44 05.0–1.1 50.22N–.06 129.3W–.20 10 3.5b 19 2-28
ISCJB VIII 28 02 44 02.9–1.1 50.19N–.06 129.4W–.20 10 3.5b ¶11908965
IDC VIII 28 02 44 02.6–2.0 50.11N 129.45W 0 3.7,3.5
NEIC VIII 28 02 44 05.1–1.2 50.25N 129.25W 10 3.8b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=6.7km az=160.6.
IDC Error ellipse: s-maj=36.1km s-min=12.0km az=78.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=6.9km az=59.0.
ISC VIII 28 03 15 47.2–1.6 50.19N–.04 129.60W–.07 20–12 4.2b,3.8s 108 1-99
PGC VIII 28 03 15 42.3–8.5 50.01N 130.04W 10 4.1W,3.5L ¶11232340
ISCJB VIII 28 03 15 43.9–1.2 50.15N–.04 129.61W–.07 8–9 4.2b,3.8s
IDC VIII 28 03 15 44.0–1.6 50.09N 129.57W 0 4.2,3.9
NEIC VIII 28 03 15 45.5–.56 50.14N 129.73W 10 4.7W,4.2b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 201km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.8km az=145.9.
IDC Error ellipse: s-maj=29.6km s-min=12.0km az=72.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=4.5km az=52.0. Moment Tensor Solution. M_o1.20000×10^{16}
ISC VIII 28 03 26 43.6–.91 50.26N–.06 129.5W–.10 10 3.8b 30 2-80
ISCJB VIII 28 03 26 41.7–.91 50.23N–.06 129.5W–.10 10 3.8b ¶11908968
IDC VIII 28 03 26 41.3–1.4 50.17N 129.70W 0 3.9b,3.9
NEIC VIII 28 03 26 44.2–.92 50.34N 129.29W 10 3.9b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=5.9km az=154.3.
IDC Error ellipse: s-maj=24.7km s-min=13.6km az=75.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=5.9km az=57.0.
ISC VIII 28 03 33 30.6–3.5 50.13N–.06 129.6W–.20 7–26 4.0b 32 2-29
IDC VIII 28 03 33 28.3–1.9 50.03N 129.80W 0 3.9,3.7b ¶11908969
ISCJB VIII 28 03 33 29.4–1.0 50.09N–.06 129.6W–.20 10 3.9b,3.7b
NEIC VIII 28 03 33 30.8–1.2 50.12N 129.65W 10 4.2b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=12.6km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=6.4km az=158.2.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=7.7km az=59.0.
IDC VIII 28 03 35 40.0–3.5 50.13N 129.70W 0 3.6,3.4L ¶12581488
IDC Error ellipse: s-maj=59.6km s-min=22.6km az=71.0.
ISC VIII 28 03 39 11.7–3.2 50.12N–.05 129.7W–.10 12–24 4.2b,3.5s 47 2-74
ISCJB VIII 28 03 39 09.6–.63 50.11N–.05 129.7W–.10 10 4.2b,3.5s ¶11908971
IDC VIII 28 03 39 09.2–2.1 50.07N 129.72W 0 4.2,4.0b
NEIC VIII 28 03 39 11.5–.60 50.11N 129.64W 10 4.1b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.8km az=148.4.
IDC Error ellipse: s-maj=33.8km s-min=13.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=4.4km az=53.0.
ISC VIII 28 03 56 03.5–1.4 50.18N–.08 129.7W–.20 10 3.6b 12 2-91
ISCJB VIII 28 03 56 01.3–1.4 50.14N–.07 129.8W–.20 10 3.6b ¶11908972
IDC VIII 28 03 56 01.2–2.7 50.12N 129.86W 0 3.9b,3.6
NEIC VIII 28 03 56 03.0–2.0 50.14N 129.76W 10 3.5b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=8.4km az=158.6.
IDC Error ellipse: s-maj=35.6km s-min=19.4km az=65.0.
NEIC Event type se. Error ellipse: s-maj=38.2km s-min=10.4km az=54.0.
ISC VIII 28 04 14 38.1–2.0 50.12N–.05 129.7W–.10 22–18 3.9b,3.5s 64 2-77
IDC VIII 28 04 14 34.9–1.9 50.05N 129.64W 0 4.0,3.7 ¶11908975
NEIC VIII 28 04 14 36.8–.68 50.13N 129.68W 10 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=12.6km az=73.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=4.4km az=55.0.
ISC VIII 28 04 47 56.1–1.1 50.13N–.03 129.67W–.06 29–9 4.5b,4.0s 179 2-99
IDC VIII 28 04 47 51.0–.98 50.04N 129.96W 0 4.3,4.0 ¶11232341
BJI VIII 28 04 47 51.4 50.10N 129.70W 10 4.9b,4.9b
GCMT VIII 28 04 47 52.4–.40 49.76N 130.13W 12 4.8W,4.9b
MOS VIII 28 04 47 52.8–1.1 50.16N 129.57W 17 4.8b,4.9b
NEIC VIII 28 04 47 53.5–.30 50.13N 129.70W 10 4.4b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=11.0km az=73.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s15,c20; s72,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}0.31±.07 $M_{\theta\theta}$-1.83±.06; $M_{\phi\phi}$1.52±.06; $M_{r\theta}$-0.52±.19; $M_{\theta\phi}$0.59±.06; $M_{\phi r}$-0.01±.19; Best double couple: NP1:ϕ_s145.00000°,δ78.00000°,λ-175.00000°. NP2:ϕ_s54.00000°,δ85.00000°,λ-12.00000°. Principal axes: T 1.6300,Plg5.0000° ,Azm100.0000°; N 0.4100,Plg77.0000°,Azm211.0000°; P -2.0400,Plg12.0000°,Azm9.0000° M_o1.80000×10^{16}
MOS Error ellipse: s-maj=12.2km s-min=5.3km az=123.9.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=2.8km az=47.0.
IDC VIII 28 05 05 51.2–2.0 50.04N 129.66W 0 3.8,3.6 ¶12581489
IDC Error ellipse: s-maj=34.4km s-min=13.8km az=73.0.
ISC VIII 28 05 38 26.4–2.1 50.10N–.05 129.67W–.08 16–14 4.1b,3.4s 80 2-89
BJI VIII 28 05 38 22.9 50.10N 129.60W 10 4.8b,4.6b ¶11232342
ISCJB VIII 28 05 38 23.9–.45 50.09N–.05 129.61W–.07 10 4.1b,3.4s
IDC VIII 28 05 38 23.7–1.9 50.07N 129.69W 0 4.0,3.9L
NEIC VIII 28 05 38 26.0–.51 50.10N 129.60W 10 4.1b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.0km az=136.6.
IDC Error ellipse: s-maj=32.3km s-min=12.3km az=73.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=3.6km az=51.0.
ISC VIII 28 06 42 21.0–.40 50.20N–.04 129.62W–.06 10 4.2b,3.5s 113 1-89
PGC VIII 28 06 42 17.3–5.4 49.93N 130.00W 10 4.0W,3.3L ¶11232344
ISCJB VIII 28 06 42 19.0–.40 50.12N–.03 129.64W–.05 10 4.2b,3.5s
BJI VIII 28 06 42 18.5 50.20N 129.50W 10 4.8b,4.7b
IDC VIII 28 06 42 18.6–1.9 50.06N 129.70W 0 4.0,3.9L
NEIC VIII 28 06 42 21.6–.55 50.23N 129.55W 10 4.4W,4.0b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 202km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=138.1.
IDC Error ellipse: s-maj=32.1km s-min=12.2km az=74.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=4.2km az=52.0. Moment Tensor Solution. M_o4.90000×10^{15}
ISC VIII 28 07 28 53.6–1.5 50.18N–.03 129.45W–.05 19–11 4.2b,3.6s 151 1-147
IDC VIII 28 07 28 48.5–1.0 50.00N 129.71W 0 4.2,4.0 ¶11232345
PGC VIII 28 07 28 48.5–7.1 49.94N 129.89W 10 4.1W,3.5L
BJI VIII 28 07 28 50.5 50.20N 129.50W 10 4.9b,4.5s
NEIC VIII 28 07 28 52.5–.38 50.20N 129.46W 10 4.5W,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=10.2km az=73.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 194km Wsw of Pt. Hardy, Bc Vancouver Island Region.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=3.2km az=47.0. Moment Tensor Solution. M_o7.80000×10^{15}
ISC VIII 28 07 59 55.6–2.0 50.16N–.04 129.53W–.09 24–16 4.0b,3.0s 82 2-91
IDC VIII 28 07 59 52.2–1.4 50.07N 129.40W 0 4.1,3.9 ¶11232346
NEIC VIII 28 07 59 53.8–.49 50.16N 129.52W 10 4.0b,3.9
BJI VIII 28 07 59 54.3 50.97N 130.17W 5 4.8b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=11.3km az=74.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.0km az=56.0.
ISC VIII 28 08 01 40.3–3.1 50.14N–.05 129.7W–.10 0–22 3.9b,3.6s 48 2-80
ISCJB VIII 28 08 01 40.1–.64 50.14N–.05 129.7W–.10 10 3.8b,3.6s ¶11908984
IDC VIII 28 08 01 40.2–1.4 50.05N 129.62W 0 4.0,3.8
NEIC VIII 28 08 01 41.9–.71 50.13N 129.69W 10 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.2km az=151.4.
IDC Error ellipse: s-maj=28.2km s-min=11.5km az=76.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=5.9km az=56.0.
IDC VIII 28 08 04 58.9–2.4 50.07N 129.62W 0 3.7,3.5L ¶12581493
IDC Error ellipse: s-maj=37.0km s-min=16.3km az=74.0.
ISC VIII 28 09 20 30.5–.20 50.18N–.02 129.65W–.04 10 4.7b,4.2s 288 1-151
IDC VIII 28 09 20 26.6–.63 49.92N 130.09W 0 4.4,4.4 ¶11222404
BJI VIII 28 09 20 27.0 50.10N 129.70W 10 5.1b,5.0b
PGC VIII 28 09 20 27.7–12 49.90N 129.90W 10 4.6W,4.0L
ISCJB VIII 28 09 20 28.6–.19 50.15N–.02 129.64W–.04 10 4.7b,4.2s
MOS VIII 28 09 20 28.2–1.1 50.15N 129.69W 10 5.0b,4.2s
NEIC VIII 28 09 20 30.5–.22 50.15N 129.68W 10 4.9W,4.8b
GCMT VIII 28 09 20 31.0–.20 49.78N 130.16W 17–1 5.0W,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=16.9km s-min=10.6km az=57.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. 197km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.0km az=42.7.
MOS Error ellipse: s-maj=9.4km s-min=4.3km az=120.1.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=2.2km az=45.0. Moment Tensor Solution. M_o3.00000×10^{16}
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s36,c41; s87,c130; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.64±.13 $M_{\theta\theta}$-3.05±.11; $M_{\phi\phi}$3.69±.12; $M_{r\theta}$-0.68±.31; $M_{\theta\phi}$-1.24±.10; $M_{\phi r}$1.21±.31; Best double couple: NP1:ϕ_s36.00000°,δ72.00000°,λ3.00000°. NP2:ϕ_s305.00000°,δ87.00000°,λ162.00000°. Principal axes: T 4.2600,Plg15.0000° ,Azm259.0000°; N -0.9100,Plg72.0000°,Azm115.0000°; P -3.3600,Plg10.0000° ,Azm352.0000° M_o3.80000×10^{16}
ISC VIII 28 10 47 11.8–2.8 50.19N–.05 129.7W–.10 11–21 3.9b,3.8s 65 2-77
IDC VIII 28 10 47 08.6–1.9 50.05N 129.65W 0 4.0,3.7b ¶11232351
ISCJB VIII 28 10 47 09.7–.55 50.20N–.04 129.76W–.10 10 3.9b,3.8s
NEIC VIII 28 10 47 11.5–.76 50.17N 129.80W 10 3.8b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=11.2km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.1km az=151.9.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=6.3km az=54.0.
IDC VIII 28 10 59 15.1–2.9 50.20N 129.33W 0 3.6,3.5L ¶12581501
IDC Error ellipse: s-maj=73.2km s-min=15.2km az=62.0.
IDC VIII 28 11 17 11.5–2.0 50.08N 129.75W 0 3.6,3.5 ¶12581502
IDC Error ellipse: s-maj=35.5km s-min=13.0km az=76.0.
ISC VIII 28 11 43 43.8–1.2 50.22N–.07 129.4W–.20 10 3.7b 16 2-29
ISCJB VIII 28 11 43 41.6–1.2 50.19N–.06 129.5W–.20 10 3.7b ¶11909000
IDC VIII 28 11 43 41.3–1.9 50.14N 129.55W 0 3.7,3.6b
NEIC VIII 28 11 43 43.9–1.4 50.24N 129.40W 10 4.3b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=7.6km az=163.2.
IDC Error ellipse: s-maj=32.3km s-min=12.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=9.5km az=60.0.
ISC VIII 28 11 52 57.1–1.0 50.21N–.05 130.2W–.20 10 3.8b,3.5s 45 2-38
ISCJB VIII 28 11 52 55.5–.00 50.18N–.05 130.2W–.20 10 3.8b,3.5s ¶11909001
NEIC VIII 28 11 52 57.2–.87 50.21N 130.14W 10 3.9b,3.5s
IDC VIII 28 11 52 58.7–1.9 50.09N 129.63W 0 3.9,3.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=6.2km az=167.7.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=5.9km az=67.0.
IDC Error ellipse: s-maj=33.9km s-min=11.6km az=78.0.
ISC VIII 28 12 16 49.5–1.1 50.22N–.06 129.5W–.20 10 3.5b 14 2-29
IDC VIII 28 12 16 46.6–2.1 50.12N 129.52W 0 3.8,3.6 ¶11909004
ISCJB VIII 28 12 16 47.5–1.1 50.19N–.06 129.5W–.20 10 3.5b,3.6
NEIC VIII 28 12 16 49.4–1.4 50.21N 129.48W 10 3.5b,3.6

ISC Event type se.
IDC Error ellipse: s-maj=37.8km s-min=13.1km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=7.4km az=164.7.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=9.6km az=62.0.

ISC	**VIII**	**28 12 24 20.3–1.0**	**50.22N–.06**	**129.7W–.20**	**10**	**4.0b**	**24**	**2-76**	
ISCJB	VIII	28 12 24 18.3–1.0	50.19N–.06	129.7W–.20	10	4.0b			¶11909005
IDC	VIII	28 12 24 18.5–1.8	50.15N	129.65W	0	4.3s,4.3			
NEIC	VIII	28 12 24 20.5–1.2	50.25N	129.60W	10	4.4b,4.3			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=6.5km az=158.5.
IDC Error ellipse: s-maj=31.5km s-min=12.4km az=74.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=7.6km az=58.0.

ISC	**VIII**	**28 12 35 59.3–.78**	**50.26N–.05**	**129.6W–.10**	**10**	**3.7b**	**27**	**2-29**	
ISCJB	VIII	28 12 35 57.2–.80	50.25N–.05	129.7W–.10	10	3.7b			¶11909006
IDC	VIII	28 12 35 58.4–1.9	50.26N	129.44W	0	3.8,3.6			
NEIC	VIII	28 12 35 59.4–.82	50.23N	129.61W	10	3.9b,3.6			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=6.0km az=161.2.
IDC Error ellipse: s-maj=32.6km s-min=12.1km az=76.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=6.7km az=59.0.

ISC	**VIII**	**28 12 37 33.2–.64**	**50.15N–.01**	**129.63W–.02**	**0–4**	**5.7s,5.2b**	**1217**	**1-161**	
PGC	VIII	28 12 37 30.9–11	49.98N	130.01W	10	5.9W,4.8L			¶11222409
IDC	VIII	28 12 37 32.1–.47	50.06N	129.77W	0	5.5,5.5s			
MOS	VIII	28 12 37 33.8–1.1	50.05N	129.74W	18	5.7s,5.5b			
ISCJB	VIII	28 12 37 33.2–.11	50.14N–.01	129.55W–.02	10	5.7s,5.1b			
BJI	VIII	28 12 37 34.9	50.69N	130.59W	5	5.9s,5.7b			
GCMT	VIII	28 12 37 35.4–.10	49.77N	130.14W	12	5.9W,5.7b			
NEIC	VIII	28 12 37 35.1–.13	50.17N	129.63W	12	6.1,5.9W			

ISC Event type fe.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. 201km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=11.7km s-min=8.5km az=61.0.
MOS Error ellipse: s-maj=5.9km s-min=3.2km az=102.3.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.2km az=139.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=246, per= 50. Moment Tensor Solution. s102,c211; s73,c93; Moment tensor: Scale 10^{17}Nm; M_{rr}0.36±.06 $M_{\theta\theta}$-8.72±.06; $M_{\phi\phi}$8.37±.07; $M_{r\theta}$0.57±.17; $M_{\theta\phi}$-0.59±.06; $M_{\phi r}$0.98±.17; Best double couple: NP1:ϕ_s313.00000°,δ83.00000°,λ178.00000°. NP2:ϕ_s43.00000°,δ88.00000°,λ7.00000°. Principal axes: T 8.5000,Plg7.0000°,Azm268.0000°; N 0.2800,Plg82.0000°,Azm59.0000° ; P -8.7800,Plg4.0000°,Azm178.0000° M_o8.60000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=1.5km az=46.0. Felt at Vancouver. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s135.00000°,δ85.00000°,λ175.00000°. NP2:ϕ_s225.00000°,δ85.00000°,λ5.00000°. Principal axes: T Plg7.0000°,Azm90.0000°; N Plg0.0000°,Azm0.0000°; P Plg0.0000° ,Azm0.0000° Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}0.66 $M_{\theta\theta}$-5.56 $M_{\phi\phi}$4.90 $M_{r\theta}$-0.83 $M_{\theta\phi}$-0.97 $M_{\phi r}$-1.21 Best double couple: NP1:ϕ_s220.00000° ,δ86.00000°,λ16.00000°. NP2:ϕ_s129.00000°,δ74.00000°,λ176.00000°. Principal axes: T 5.2700,Plg13.0000°,Azm85.0000°; N 0.5200,Plg73.0000°,Azm233.0000° ; P -5.7900,Plg8.0000°,Azm353.0000° M_o5.50000×10^{17} Moment Tensor Solution. M_o7.50000×10^{17}

ISC	**VIII**	**28 13 14 53.2–.68**	**50.15N–.05**	**129.7W–.10**	**10**	**3.9b**	**45**	**2-77**	
IDC	VIII	28 13 14 50.9–1.4	50.05N	129.75W	0	4.0,3.8L			¶11232353
ISCJB	VIII	28 13 14 51.2–.68	50.12N–.05	129.6W–.10	10	3.9b,3.8L			
NEIC	VIII	28 13 14 53.3–.57	50.17N	129.60W	10	3.9b,3.8L			

ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=11.4km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=4.9km az=148.6.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=4.1km az=53.0.

ISC	**VIII**	**28 13 58 20.4–1.3**	**50.34N–.08**	**129.5W–.20**	**10**	**3.6b**	**14**	**2-29**	
IDC	VIII	28 13 58 17.5–2.1	50.22N	129.63W	0	3.8,3.7b			¶11909009
ISCJB	VIII	28 13 58 18.2–1.3	50.31N–.08	129.5W–.20	10	3.6b,3.7b			
NEIC	VIII	28 13 58 20.7–1.1	50.40N	129.36W	10	4.0b,3.7b			

ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=13.6km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=9.1km az=157.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=8.2km az=59.0.

ISC	**VIII**	**28 14 13 12.4–.52**	**50.14N–.05**	**129.78W–.09**	**10**	**3.9b**	**58**	**2-88**	
ISCJB	VIII	28 14 13 10.6–.52	50.11N–.05	129.72W–.09	10	3.9b			¶11232356
BJI	VIII	28 14 13 10.0	50.10N	129.70W	10	4.9b,4.8b			
IDC	VIII	28 14 13 11.4–1.8	50.05N	129.69W	0	4.0,3.8			
NEIC	VIII	28 14 13 13.0–.75	50.14N	129.68W	10	4.1b,3.8			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=4.3km az=142.7.
IDC Error ellipse: s-maj=32.1km s-min=11.5km az=75.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=5.2km az=55.0.

ISC	**VIII**	**28 15 20 37.3–.36**	**50.15N–.04**	**129.66W–.07**	**10**	**4.2b,3.9s**	**112**	**2-88**	
BJI	VIII	28 15 20 34.3	50.10N	129.60W	10	4.9b,4.6b			¶11232357
ISCJB	VIII	28 15 20 35.6–.36	50.14N–.04	129.60W–.07	10	4.2b,3.9s			
IDC	VIII	28 15 20 35.5–.99	50.07N	129.80W	0	4.2,4.1			
NEIC	VIII	28 15 20 37.4–.35	50.15N	129.62W	10	4.1b,4.1			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.2km az=141.8.
IDC Error ellipse: s-maj=20.2km s-min=10.8km az=71.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.0km az=51.0.

ISC	**VIII**	**28 15 36 26.1–.65**	**49.77N–.08**	**130.6W–.10**	**10**	**3.9b**	**44**	**3-89**	
BJI	VIII	28 15 36 23.4	49.80N	130.60W	10	4.9b,4.8s			¶11232358
ISCJB	VIII	28 15 36 24.3–.65	49.71N–.07	130.5W–.10	10	3.9b,4.8s			
NEIC	VIII	28 15 36 25.4–1.1	49.80N	130.63W	10	4.0b,4.8s			
IDC	VIII	28 15 36 32.6–2.2	50.12N	129.59W	0	4.1,3.9L			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.2km az=42.1.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.0km az=67.0.
IDC Error ellipse: s-maj=38.8km s-min=12.5km az=77.0.

ISC	**VIII**	**28 15 59 35.6–.65**	**50.21N–.04**	**129.7W–.10**	**10**	**4.0b**	**51**	**2-75**	
ISCJB	VIII	28 15 59 33.8–.67	50.19N–.05	129.6W–.10	10	4.0b			¶11232360
IDC	VIII	28 15 59 34.0–1.9	50.06N	129.84W	0	4.0,3.9b			
NEIC	VIII	28 15 59 35.5–.73	50.25N	129.67W	10	3.8b,3.9b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.0km az=150.0.
IDC Error ellipse: s-maj=32.2km s-min=13.4km az=74.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=5.5km az=59.0.

ISC	**VIII**	**28 16 20 41.4–.33**	**50.19N–.03**	**129.62W–.06**	**10**	**4.0b**	**97**	**2-88**	
IDC	VIII	28 16 20 38.8–.94	50.06N	129.82W	0	4.1,4.0			¶11232361
ISCJB	VIII	28 16 20 39.5–.33	50.17N–.03	129.58W–.06	10	4.0b,4.0			
BJI	VIII	28 16 20 40.0	50.20N	129.60W	10	5.2b,4.8			
NEIC	VIII	28 16 20 41.6–.36	50.19N	129.56W	10	4.1b,4.8			

ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=11.1km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.2km az=145.4.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.3km az=56.0.

ISC	**VIII**	**28 20 08 47.1–1.3**	**50.17N–.07**	**129.4W–.20**	**10**	**3.5b**	**17**	**2-28**	
IDC	VIII	28 20 08 42.4–2.2	50.06N	129.78W	0	3.8,3.6			¶11909023
ISCJB	VIII	28 20 08 44.8–1.3	50.13N–.07	129.4W–.20	10	3.5b,3.6			
NEIC	VIII	28 20 08 48.1–1.8	50.35N	129.07W	10	3.5b,3.6			

ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=14.3km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=7.9km az=160.5.
NEIC Event type se. Error ellipse: s-maj=33.4km s-min=11.1km az=60.0.

ISC	**VIII**	**28 20 36 44.7–2.0**	**49.29N–.04**	**129.26W–.06**	**18–14**	**4.1b,3.5s**	**85**	**1-89**	
BJI	VIII	28 20 36 39.1	49.36N	128.93W	12	5.0b,4.3s			¶11232363
PGC	VIII	28 20 36 41.6–10	49.02N	129.46W	10	3.8W,3.2L			
ISCJB	VIII	28 20 36 42.5–1.6	49.21N–.03	129.30W–.07	17–13	4.1b,3.5s			
IDC	VIII	28 20 36 42.4–1.9	49.24N	129.20W	0	4.0,3.8			
NEIC	VIII	28 20 36 43.9–.53	49.28N	129.28W	10	4.0b,3.8W			

ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. 238km southwest of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.1km az=159.1.
IDC Error ellipse: s-maj=35.8km s-min=11.7km az=73.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.1km az=52.0.

ISC	**VIII**	**28 22 18 12.0–.57**	**50.14N–.04**	**129.78W–.09**	**10**	**4.0b,3.6s**	**66**	**2-99**	
IDC	VIII	28 22 18 09.0–1.4	50.02N	129.93W	0	4.2,3.9			¶11265373
ISCJB	VIII	28 22 18 10.4–.56	50.12N–.04	129.75W–.09	10	4.0b,3.6s			
NEIC	VIII	28 22 18 12.0–.54	50.09N	129.80W	10	4.0b,3.6s			

ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=12.6km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.4km az=149.3.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=4.4km az=51.0.

IDC	**VIII**	**28 23 47 27.6–3.0**	**50.04N**	**129.58W**	**0**	**3.6,3.4L**			¶12581523

IDC Error ellipse: s-maj=46.5km s-min=16.6km az=79.0.

ISC	**VIII**	**29 04 32 44.1–2.4**	**50.15N–.07**	**129.8W–.10**	**4–21**	**3.8b**	**53**	**1-29**	
ISCJB	VIII	29 04 32 42.6–1.9	50.10N–.06	129.8W–.10	4–17	3.8b			¶11302661
PGC	VIII	29 04 32 43.3–1.1	49.92N	129.99W	10	3.6W,3.0L			
IDC	VIII	29 04 32 44.9–3.5	49.83N	129.78W	0	3.8,3.6b			
NEIC	VIII	29 04 32 44.3–1.1	50.13N	129.82W	10	4.0b,3.6W			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=7.4km az=138.7.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 202km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=79.3km s-min=33.3km az=46.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=8.0km az=225.0.

ISC	**VIII**	**29 05 41 00.3–1.2**	**50.04N–.08**	**129.5W–.10**	**10**	**3.6b**	**24**	**1-37**	
ISCJB	VIII	29 05 40 57.5–1.1	50.06N–.08	129.71W–.09	10	3.7b			¶12581533
PGC	VIII	29 05 40 57.6–3.9	49.95N	129.94W	10	3.4W,2.8L			
IDC	VIII	29 05 41 04.5–1.9	50.41N	129.54W	0	3.8b,3.8			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=6.8km az=24.5.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 197km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=31.3km s-min=13.3km az=78.0.

ISC	**VIII**	**29 12 07 56.1–1.0**	**50.18N–.06**	**129.3W–.10**	**10**	**3.7b**	**36**	**1-28**	
PGC	VIII	29 12 07 50.0–1.1	49.92N	130.04W	10	3.6W,3.0L			¶11302665
ISCJB	VIII	29 12 07 53.6–.98	50.12N–.06	129.5W–.10	10	3.7b,3.0L			
IDC	VIII	29 12 07 53.6–2.1	50.12N	129.52W	0	3.6b,3.6			
NEIC	VIII	29 12 07 56.5–1.3	50.22N	129.22W	10	3.6W,3.6W			

ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 205km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=6.7km az=146.9.
IDC Error ellipse: s-maj=36.0km s-min=14.1km az=76.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=10.1km az=57.0.

ISC	**VIII**	**29 14 46 42.8–.67**	**50.37N–.06**	**129.99W–.08**	**10**	**3.7b,3.0s**	**57**	**1-69**	
ISCJB	VIII	29 14 46 40.9–.67	50.26N–.05	130.06W–.07	10	3.7b,3.0s			¶11302666
PGC	VIII	29 14 46 40.5–1.3	50.05N	130.30W	10	3.9W,3.2L			
IDC	VIII	29 14 46 43.9–2.0	50.21N	129.77W	0	4.0L,3.9			
NEIC	VIII	29 14 46 43.0–.92	50.41N	129.91W	10	3.9W,3.8b			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.4km az=42.8.
PGC Event type ke. 217km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=32.8km s-min=13.6km az=76.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=6.8km az=46.0.

ISC	**VIII**	**29 20 16 33.6–1.5**	**50.19N–.03**	**129.60W–.05**	**17–11**	**4.1b,3.8s**	**109**	**1-99**	
PGC	VIII	29 20 16 29.9–1.4	49.93N	129.90W	10	3.9W,3.3L			¶11223900
IDC	VIII	29 20 16 29.4–1.2	49.99N	129.82W	0	4.1,3.8			
ISCJB	VIII	29 20 16 30.7–.30	50.14N–.03	129.64W–.05	10	4.1b,3.8s			
NEIC	VIII	29 20 16 34.4–1.9	50.19N	129.61W	24–17	4.0b,3.9W			

ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 195km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=23.1km s-min=12.1km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=41.9.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=3.5km az=49.0.

IDC	**VIII**	**30 10 28 58.3–3.3**	**49.96N**	**129.63W**	**0**	**3.6,3.5L**			¶12581566

IDC Error ellipse: s-maj=65.0km s-min=29.9km az=56.0.

ISC	**VIII**	**30 17 46 14.4–.60**	**50.30N–.05**	**129.77W–.09**	**10**	**3.8b,3.4s**	**52**	**1-43**	
PGC	VIII	30 17 46 11.7–2.6	49.91N	130.02W	10	3.8W,3.2L			¶11232733
ISCJB	VIII	30 17 46 14.1–.67	50.16N–.04	129.61W–.09	10	3.7b,3.4s			
IDC	VIII	30 17 46 14.9–1.4	50.10N	129.51W	0	4.0,3.8b			
NEIC	VIII	30 17 46 17.6–.97	50.24N	129.42W	10	3.8b,3.8W			

ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 204km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.6km az=152.4.
IDC Error ellipse: s-maj=23.9km s-min=12.6km az=72.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=6.6km az=58.0.

PGC	**VIII**	**31 10 15 14.2–7.9**	**49.58N**	**130.37W**	**10**	**3.5W,2.8L**			¶11302675

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 244km Wsw of Pt. Hardy, Bc Vancouver Island Region.

ISC	**IX**	**01 01 19 13.9–.46**	**50.31N–.04**	**129.68W–.07**	**10**	**3.8b**	**64**	**1-89**	
PGC	IX	01 01 19 08.8–1.8	49.94N	130.11W	10	4.2W,3.4L			¶11227334
IDC	IX	01 01 19 09.9–1.9	50.14N	130.09W	0	4.0,3.7b			
BJI	IX	01 01 19 11.7	50.20N	129.80W	10	4.7b,4.4b			
ISCJB	IX	01 01 19 12.1–.47	50.24N–.05	129.64W–.07	10	3.8b,4.4b			
NEIC	IX	01 01 19 13.7–.98	50.23N	129.76W	10	4.2W,4.0b			

ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 209km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=31.0km s-min=13.2km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.3km az=40.3.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=6.6km az=54.0. Moment Tensor Solution. M_o2.70000×10^{15}

ISC	**IX**	**01 01 20 06.9–1.7**	**50.28N–.04**	**129.59W–.08**	**2–10**	**3.9b**	**57**	**1-86**	
PGC	IX	01 01 20 03.5–2.3	50.00N	129.99W	10	4.0W,3.4L			¶11344745
ISCJB	IX	01 01 20 04.9–1.4	50.22N–.04	129.62W–.07	2–9	3.9b,3.4L			
BJI	IX	01 01 20 04.6	50.20N	129.70W	10	4.7b,4.4b			
IDC	IX	01 01 20 05.7–1.4	50.18N	129.61W	0	4.1,3.9			
NEIC	IX	01 01 20 07.7–.77	50.21N	129.68W	10	4.1b,4.0W			

ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 198km Wsw of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.2km az=140.4.
IDC Error ellipse: s-maj=26.0km s-min=12.5km az=72.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=5.5km az=56.0.

ISC	**IX**	**06 01 10 20.9–.16**	**49.85N–.02**	**130.04W–.03**	**10**	**4.8b,4.6s**	**386**	**1-152**	
BJI	IX	06 01 10 15.6	49.80N	130.10W	5	5.0s,5.0b			¶11232776
PGC	IX	06 01 10 17.0–.88	49.59N	130.37W	10	5.4W,4.2L			
IDC	IX	06 01 10 17.6–.58	49.62N	130.33W	0	4.7,4.6			
MOS	IX	06 01 10 18.6–1.1	49.77N	130.12W	10	5.2b,4.6			
ISCJB	IX	06 01 10 19.1–.16	49.81N–.02	130.03W–.03	10	4.8b,4.6s			
NEIC	IX	06 01 10 20.7–.21	49.79N	130.11W	10	5.4W,5.0b			
GCMT	IX	06 01 10 20.6–.20	49.51N	130.45W	15–0	5.2W,5.0b			

ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 244km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=16.3km s-min=10.6km az=45.0.
MOS Error ellipse: s-maj=8.6km s-min=4.0km az=118.2.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=1.9km az=39.6.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=2.3km az=222.0. Moment Tensor Solution. M_o1.70000×10^{17}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s59,c82; s98,c179; Moment tensor: Scale 10^{16}Nm; M_{rr}0.29±.16 $M_{\theta\theta}$-5.54±.14; $M_{\phi\phi}$5.26±.15; $M_{r\theta}$1.50±.42; $M_{\theta\phi}$4.85±.14; $M_{\phi r}$-1.24±.44; Best double couple: NP1:ϕ_s245.00000°,δ77.00000°,λ-5.00000°. NP2:ϕ_s336.00000°,δ85.00000°,λ-167.00000°. Principal axes: T 7.1800,Plg5.0000° ,Azm110.0000°; N 0.6500,Plg76.0000°,Azm358.0000°; P -7.8200,Plg13.0000° ,Azm202.0000° M_o7.50000×10^{16}

ISC	**IX**	**06 11 25 58.6–1.2**	**49.92N–.03**	**130.03W–.04**	**16–8**	**4.7b,4.4s**	**179**	**1-152**	
BJI	IX	06 11 25 53.8	49.90N	130.10W	10	5.1b,4.8s			¶11232793
IDC	IX	06 11 25 54.8–.58	49.66N	130.40W	0	4.5,4.5			

ISCJB IX 06 11 25 55.4–1.1 49.87N–.03 130.06W–.04 7–7 4.7b,4.4s
MOS IX 06 11 25 55.1–.96 49.78N 130.24W 10 5.0b,4.4s
NEIC IX 06 11 25 57.8–.30 49.87N 130.08W 10 4.9b,4.9W
PGC IX 06 11 25 57.1–4.1 49.71N 130.08W 10 4.9W,4.0L
GCMT IX 06 11 25 58.4–.20 49.58N 130.35W 13–1 5.0W,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=10.4km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=38.5.
MOS Error ellipse: s-maj=11.9km s-min=6.0km az=118.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.2km az=44.0. Moment Tensor Solution. $M_0$2.80000×10^{16}
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 219km Wsw of Pt. Hardy, Bc Vancouver Island Region.
GCMT Event type se. Data Used: IU II IC CN. Moment Tensor Solution. s29,c38; s79,c131; Moment tensor: Scale 10^{16}Nm; M_{rr}0.54±.10 $M_{\theta\theta}$-3.00±.11; $M_{\phi\phi}$2.45±.10; $M_{r\theta}$-0.53±.25; $M_{\theta\phi}$2.57±.10; $M_{\theta r}$-0.49±.24; Best double couple: NP1:ϕ_s156.00000°,δ79.00000°,λ174.00000°. NP2:ϕ_s247.00000°,δ84.00000°,λ11.00000°. Principal axes: T 3.6100,Plg12.0000° ,Azm112.0000°; N 0.4300,Plg77.0000°,Azm274.0000°; P -4.0400,Plg4.0000°,Azm21.0000° $M_0$3.80000×10^{16}

PGC IX 18 00 45 40.0–.48 50.56N 130.38W 10 3.8W,3.2L
¶11280370

PGC Event type ke. 209km west of Pt. Hardy, Bc Vancouver Island Region.

PGC IX 18 01 06 42.0–.97 50.56N 130.42W 10 3.9W,3.2L
¶11280371

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 212km west of Pt. Hardy, Bc Vancouver Island Region.

ISC X 05 05 23 11.7–.89 49.05N–.03 127.75W–.06 15–5 3.9b 85 1-27
PGC X 05 05 23 07.6–.45 48.79N 128.16W 10 4.2W,3.4L **¶11331036**
ISCJB X 05 05 23 10.0–.92 48.98N–.03 127.86W–.06 22–7 3.9b,3.4L
IDC X 05 05 23 10.3–1.5 48.96N 127.86W 0 3.9,3.7
NEIC X 05 05 23 13.6–.74 49.15N 127.42W 10 4.5b,4.2W
ISC Event type ke.
PGC Event type ke. 168km west of Tofino, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.6km az=150.1.
IDC Error ellipse: s-maj=35.2km s-min=8.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=5.5km az=51.0. Moment Tensor Solution. $M_0$2.30000×10^{15}

PGC X 11 23 36 56.0–5.1 50.46N 130.28W 10 3.7W,3.1L
¶11348133

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 203km west of Pt. Hardy, Bc Vancouver Island Region.

PGC X 24 12 10 02.0–42 49.73N 130.17W 10 3.6W,2.9L
¶11395994

PGC Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=-1.0. 224km Wsw of Pt. Hardy, Bc Vancouver Island Region.

PGC X 24 21 37 58.5–24 49.66N 130.11W 10 3.6W,3.0L
¶11395997

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0. 224km Wsw of Pt. Hardy, Bc Vancouver Island Region.

ISC X 24 21 39 18.0–2.8 49.95N–.05 129.96W–.09 3–19 4.0b,3.7s 78 1-89
PGC X 24 21 39 15.9–6.8 49.64N 130.20W 10 4.4W,3.5L **¶11362378**
IDC X 24 21 39 15.4–1.4 49.70N 130.41W 0 4.0,3.9b
ISCJB X 24 21 39 17.1–.52 49.86N–.05 129.96W–.07 10 4.0b,3.7s
BJI X 24 21 39 17.2 49.58N 130.94W 9 5.0s,5.0b
NEIC X 24 21 39 18.2–.87 49.90N 130.08W 10 4.4W,4.0b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 230km Wsw of Pt. Hardy, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=28.9km s-min=16.0km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.7km az=42.9.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.8km az=59.0. Moment Tensor Solution. $M_0$5.70000×10^{15}

ISC XI 14 05 25 53.5–.76 50.19N–.04 127.97W–.08 22–4 60 0-28
IDC XI 14 05 25 49.8–1.8 50.11N 128.11W 0 3.8,3.6 **¶11473020**
ISCJB XI 14 05 25 51.8–.82 50.15N–.04 128.06W–.08 30–4 3.8,3.6
PGC XI 14 05 25 51.4–.27 50.05N 128.09W 28–0 3.8L,3.6
NEIC XI 14 05 25 51.4 50.05N 128.09W 28 3.8L,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=38.1km s-min=8.4km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.1km az=152.5.
PGC Event type fe. 86km southwest of Pt. Hardy, Bc Vancouver Island Region Felt (I) at Port Alice, British Columbia.
NEIC Event type se. After PGC.

PGC XI 22 08 40 12.2–.18 48.99N 129.14W 10 3.5W,2.9L
¶11473197

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 226km southwest of Pt. Hardy, Bc Vancouver Island Region.

ISC XI 22 09 07 38.3–.80 49.08N–.04 128.85W–.07 10 3.5b 60 1-22
PGC XI 22 09 07 35.5–2.0 48.83N 129.13W 10 3.9W,3.2L **¶11473198**
ISCJB XI 22 09 07 36.9–.76 49.04N–.04 128.88W–.07 10 3.5b,3.2L
IDC XI 22 09 07 38.0–2.5 49.08N 128.97W 0 3.8,3.6
NEIC XI 22 09 07 40.8–1.1 49.28N 128.60W 10 3.9b,3.9W
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 237km west of Tofino, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.9km az=154.1.
IDC Error ellipse: s-maj=43.1km s-min=14.0km az=69.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=7.1km az=64.0.

ISC XI 22 09 10 28.2–1.2 48.98N–.06 128.88W–.10 10 27 1-72
PGC XI 22 09 10 26.7–3.6 48.83N 129.17W 10 3.6W,3.0L **¶11473199**
ISCJB XI 22 09 10 27.1–1.2 48.96N–.06 128.92W–.09 10 3.6W,3.0L
IDC XI 22 09 10 28.7–2.8 49.02N 129.07W 0 3.8b,3.7
ISC Event type ke.
PGC Event type ke. 240km west of Tofino, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=6.7km az=139.8.
IDC Error ellipse: s-maj=46.6km s-min=15.1km az=70.0.

PGC XI 22 11 20 34.0–4.0 48.99N 128.67W 10 3.5W,2.9L
¶11473204

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. 201km Wsw of Gold R., Bc Vancouver Island Region.

PGC XI 25 01 25 21.2–.84 48.76N 129.74W 10 3.7W,3.1L
¶11474925

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 273km southwest of Pt. Hardy, Bc Vancouver Island Region.

ISC XII 06 09 09 42.8–.67 50.25N–.04 129.62W–.09 10 3.7b,3.0s 72 1-29
PGC XII 06 09 09 39.4–8.9 50.00N 130.01W 10 3.7W,3.1L **¶12076005**
ISCJB XII 06 09 09 40.4–.63 50.19N–.04 129.71W–.08 10 3.7b,3.0s
IDC XII 06 09 09 41.9–1.8 50.18N 129.50W 0 3.8,3.6
NEIC XII 06 09 09 44.9–.84 50.31N 129.31W 10 3.9b,3.7W
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 200km West of Pt. Hardy, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.7km az=146.0.
IDC Error ellipse: s-maj=31.9km s-min=11.9km az=73.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=5.5km az=64.0.

PGC XII 12 21 11 54.8–.18 49.48N 127.63W 10 3.5W,2.9L
¶12077189

PGC Event type ke. 112km west of Gold R., Bc Vancouver Island Region.

ISC XII 16 07 34 49.0–.81 48.99N–.04 128.40W–.08 10 3.5b,3.5s 60 1-45
IDC XII 16 07 34 45.2–2.6 48.66N 128.90W 0 3.7,3.5s **¶11508101**
PGC XII 16 07 34 46.6–1.3 48.80N 128.72W 10 3.6W,3.0L
NEIC XII 16 07 34 46.6 48.80N 128.72W 10 3.6W,3.0L
ISCJB XII 16 07 34 47.1–.80 48.93N–.04 128.47W–.07 10 3.5b,3.5s
ISC Event type ke.
PGC Event type ke. 208km west of Tofino, Bc Vancouver Island Region.
NEIC Event type se. After PGC.
ISCJB Event type ke.

ISC XII 25 08 11 59.0–.14 49.14N–.02 128.61W–.02 10 5.5s,5.2b 711 1-159
PGC XII 25 08 11 53.4–2.5 48.84N 129.07W 10 5.8W,4.8L **¶13403933**
BJI XII 25 08 11 53.6 49.10N 128.60W 10 5.8s,5.5b
IDC XII 25 08 11 56.2–.48 49.00N 128.89W 0 5.4,5.4s
MOS XII 25 08 11 56.7–1.0 49.12N 128.62W 10 5.6b,5.5s
ISCJB XII 25 08 11 57.1–.13 49.09N–.02 128.62W–.02 10 5.5s,5.2b
NEIC XII 25 08 11 58.8–.17 49.13N 128.62W 10 5.8W,5.8W
SZGRF XII 25 08 11 58.8 49.96N 131.74W 33 5.4b,5.8W
GCMT XII 25 08 11 59.8–.10 48.78N 129.06W 12 5.8W,5.8W
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 232km west of Tofino, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=13.0km s-min=8.6km az=52.0.
MOS Error ellipse: s-maj=10.3km s-min=4.3km az=122.7.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=44.5.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=1.9km az=46.0. Felt [II] at Vancouver, British Columbia. Also felt at Sechelt and Victoria. Felt at Bremerton, Carnation, Maple Valley and Seattle, Washington. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$-4.51 $M_{\phi\phi}$4.16 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.92 $M_{\theta r}$-4.00 Best double couple: NP1:ϕ_s225.00000° ,δ64.00000°,λ20.00000°. NP2:ϕ_s125.00000°,δ72.00000°,λ152.00000°. Principal axes: T 6.8000,Plg32.0000°,Azm83.0000°; N -2.1700,Plg57.0000°,Azm274.0000° ; P -4.6300,Plg5.0000°,Azm176.0000° $M_0$6.00000×10^{17} Moment Tensor Solution. $M_0$6.30000×10^{17}
SZGRF Vancouver Island, Canada, region.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=251, per= 50. Moment Tensor Solution. s102,c192; s65,c82; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.77±.05 $M_{\theta\theta}$-6.28±.06; $M_{\phi\phi}$7.05±.06; $M_{r\theta}$-0.34±.15; $M_{\theta\phi}$-0.57±.06; $M_{\theta r}$0.31±.15; Best double couple: NP1:ϕ_s43.00000°,δ86.00000°,λ-1.00000°. NP2:ϕ_s133.00000°,δ89.00000°,λ-176.00000°. Principal axes: T 7.0900,Plg2.0000°,Azm267.0000°; N -0.7700,Plg86.0000°,Azm143.0000° ; P -6.3200,Plg3.0000°,Azm358.0000° $M_0$6.70000×10^{17}

PGC XII 25 08 16 45.6–1.6 48.92N 128.89W 10 4.4W,3.8L
¶11613276

PGC Event type ke. 218km west of Tofino, Bc Vancouver Island Region.

ISC XII 25 08 18 39.2–1.3 49.02N–.06 128.71W–.10 10 48 1-3
NEIC XII 25 08 18 38.1 48.85N 128.93W 10 4.6W **¶11523391**
PGC XII 25 08 18 38.1–2.5 48.85N 128.94W 10 4.6W,3.8L
ISC Event type ke.
NEIC Event type se. After PGC. Moment Tensor Solution. $M_0$8.50000×10^{15}
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 222km west of Tofino, Bc Vancouver Island Region.

PGC XII 25 08 20 10.8–2.5 48.92N 128.87W 10 3.9W,3.2L
¶11613277

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 216km west of Tofino, Bc Vancouver Island Region.

ISC XII 25 08 29 03.5–1.1 49.05N–.05 128.60W–.08 10 36 1-21
ISCJB XII 25 08 29 02.8–1.0 49.02N–.05 128.59W–.08 10 **¶11613278**
PGC XII 25 08 29 02.9–1.1 48.94N 128.84W 10 3.7W,3.1L
IDC XII 25 08 29 06.7–3.7 49.28N 128.73W 0 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.3km az=41.1.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 214km west of Tofino, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=51.5km s-min=28.8km az=71.0.

PGC XII 25 08 41 55.3–2.5 48.89N 128.97W 10 4.2W,3.5L
¶15686532

PGC Event type ke. 224km west of Tofino, Bc Vancouver Island Region.

ISC XII 25 08 42 41.0–.39 49.18N–.02 128.47W–.04 10 4.1b 108 1-90
PGC XII 25 08 42 36.1–3.7 48.89N 128.92W 10 4.6W,3.6L **¶11524490**
IDC XII 25 08 42 36.8–1.6 48.88N 128.89W 0 4.4s,4.3
ISCJB XII 25 08 42 38.9–.38 49.10N–.02 128.51W–.04 10 4.1b,4.3
BJI XII 25 08 42 38.1 49.30N 128.50W 10 5.0b,4.8s
NEIC XII 25 08 42 41.9–.65 49.21N 128.36W 10 4.7W,4.2b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0. 220km west of Tofino, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=32.9km s-min=11.8km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=151.9.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=5.2km az=60.0. Moment Tensor Solution. $M_0$1.20000×10^{16}

ISC XII 25 13 18 35.2–1.8 49.0N–.10 128.7W–.20 9–24 58 1-21
PGC XII 25 13 18 34.5–1.4 48.89N 128.98W 10 3.5W,2.9L **¶11525147**
NEIC XII 25 13 18 37.9–2.5 49.12N 128.45W 10 3.8b,3.5W
IDC XII 25 13 18 39.7–3.9 49.28N 129.02W 0 3.6,3.5b
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 225km west of Tofino, Bc Vancouver Island Region.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=12.2km az=217.0.
IDC Error ellipse: s-maj=52.2km s-min=31.6km az=70.0.

ISC XII 25 13 22 52.2–.67 49.06N–.04 128.63W–.06 10 3.5b 72 1-81
PGC XII 25 13 22 49.0–3.3 48.83N 129.02W 10 3.1L,3.1L **¶11525148**
ISCJB XII 25 13 22 50.6–.65 48.99N–.04 128.65W–.06 10 3.5b,3.1L
IDC XII 25 13 22 54.0–1.6 49.15N 128.28W 0 3.7,3.5
NEIC XII 25 13 22 54.2–.92 49.20N 128.41W 10 4.0b,3.5
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 229km west of Tofino, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=36.4.
IDC Error ellipse: s-maj=33.4km s-min=12.5km az=64.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.9km az=53.0.

ISC XII 25 13 58 04.0–1.1 49.01N–.05 128.68W–.08 10 3.5s,3.2b 47 1-34
ISCJB XII 25 13 58 03.1–1.1 48.99N–.05 128.67W–.08 10 3.5s,3.2b **¶12078937**
PGC XII 25 13 58 03.4–4.2 48.91N 128.90W 10 3.6W,3.0L
IDC XII 25 13 58 09.6–2.6 49.32N 128.25W 0 3.6,3.5
NEIC XII 25 13 58 12.7–1.6 49.54N 127.92W 10 3.9b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.3km az=44.1.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 219km west of Tofino, Bc Vancouver Island Region.
IDC Error ellipse: s-maj=46.2km s-min=13.5km az=66.0.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=10.5km az=50.0.

ISC XII 25 20 40 02.6–1.8 49.00N–.09 128.7W–.10 9–20 37 1-22
PGC XII 25 20 40 01.3–2.6 48.87N 128.94W 10 3.6W,3.0L **¶12078959**
ISCJB XII 25 20 40 02.2–1.8 48.97N–.08 128.7W–.10 18–24 3.6W,3.0L
IDC XII 25 20 40 06.2–2.8 49.27N 128.94W 0 3.4b,3.4
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 222km west of Tofino, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=6.1km az=42.7.
IDC Error ellipse: s-maj=46.9km s-min=20.0km az=71.0.

ISC XII 25 20 41 51.4–1.3 49.01N–.07 128.58W–.09 10 25 1-21
PGC XII 25 20 41 49.5–5.5 48.82N 128.90W 10 3.6W,3.0L **¶12078960**
ISCJB XII 25 20 41 50.2–1.3 48.99N–.07 128.60W–.09 10 3.6W,3.0L
IDC XII 25 20 41 53.1–4.0 49.19N 128.99W 0 3.6b,3.6
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 220km west of Tofino, Bc Vancouver Island Region.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=5.5km az=38.5.
IDC Error ellipse: s-maj=52.6km s-min=31.8km az=68.0.

ISC XII 25 21 04 09.4–1.3 49.02N–.05 128.68W–.07 14–11 3.8s,3.4b 70 1-81
IDC XII 25 21 04 07.3–1.3 48.96N 129.03W 0 3.7,3.6b **¶12078963**
ISCJB XII 25 21 04 08.6–1.3 48.98N–.04 128.71W–.05 21–12 3.8s,3.4b
PGC XII 25 21 04 08.2–1.1 48.91N 128.90W 10 3.8W,3.1L
NEIC XII 25 21 04 09.9–1.1 49.11N 128.87W 10 4.1b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=15.3km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.8km az=35.6.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 219km west of Tofino, Bc Vancouver Island Region.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=10.4km az=221.0.

PGC XII 25 23 06 49.5–1.0 48.81N 128.98W 10 3.6W,3.0L
¶14236853

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 227km west of Tofino, Bc Vancouver Island Region.

PGC XII 25 23 23 20.7–.64 48.90N 128.91W 10 3.5W,2.9L
¶14236854

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 220km west of Tofino, Bc Vancouver Island Region.
PGC XII 26 00 47 40.1–2.0 48.84N 128.98W 10 3.5W,2.9L ¶14236871

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 226km west of Tofino, Bc Vancouver Island Region.
PGC XII 26 03 15 31.6–1.5 48.88N 128.95W 10 3.5W,2.9L ¶14236872

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 223km west of Tofino, Bc Vancouver Island Region.
PGC XII 27 00 08 20.8–12 48.89N 128.90W 10 3.8W,3.2L ¶14236906

PGC Event type ke. Error ellipse: s-maj=3.3km s-min=1.5km az=-1.0. 219km west of Tofino, Bc Vancouver Island Region.
PGC XII 27 03 37 08.6–2.8 48.79N 128.71W 10 3.5W,2.9L ¶14236907

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 208km west of Tofino, Bc Vancouver Island Region.

(26) Off coast of Washington.

ISC IX 11 21 17 31.2–1.1 47.94N–.02 128.54W–.04 6–8 4.4b,3.9s 168 2-95
NEIC IX 11 21 17 26.8 47.51N 128.86W 10 4.5b,4.2W ¶11265514
PGC IX 11 21 17 26.8–4.3 47.51N 128.86W 10 4.2W,3.6L
BJI IX 11 21 17 27.8 47.50N 128.90W 10 5.1b,4.9s
IDC IX 11 21 17 28.9–.94 47.63N 128.78W 0 4.3,4.1
ISCJB IX 11 21 17 30.0–.25 47.90N–.02 128.51W–.03 10 4.4b,3.9s
ISC Event type ke.
NEIC Event type se. After PGC.
PGC Event type ke. 284km Wsw of Tofino, Bc Off Coast Of Washington.
ISCJB Event type ke.
ISC IX 11 23 13 35.1–.99 47.92N–.02 128.45W–.03 6–7 4.8b,4.4s 174 2-94
PGC IX 11 23 13 28.6–6.6 47.41N 128.93W 10 4.5W,3.9L ¶11265518
IDC IX 11 23 13 32.8–1.2 47.68N 128.71W 0 4.5,4.5s
ISCJB IX 11 23 13 32.5–.86 47.87N–.02 128.43W–.03 1–6 4.8b,4.4s
GCMT IX 11 23 13 33.7–.20 47.45N 129.03W 12 5.1W,4.4s
BJI IX 11 23 13 35.3 48.31N 128.99W 6 5.0s,5.0b
NEIC IX 11 23 13 35.6–.32 47.92N 128.44W 10 4.6b,4.5W
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 295km Wsw of Tofino, Bc Off Coast Of Washington.
IDC Error ellipse: s-maj=27.6km s-min=11.0km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=44.6.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s35,c45; s93,c152; Moment tensor: Scale 10^{16}Nm; M_{rr}0.23±.13 $M_{\theta\theta}$-4.75±.12; $M_{\phi\phi}$4.53±.11; $M_{r\theta}$-1.55±.35; $M_{\theta\phi}$-0.46±.11; $M_{r\phi}$0.59±.32; Best double couple: NP1:ϕ_s41.00000°,δ72.00000°,λ-5.00000°. NP2:ϕ_s133.00000°,δ85.00000°,λ-162.00000°. Principal axes: T 4.6600,Plg9.0000° ,Azm266.0000°; N 0.5500,Plg72.0000°,Azm147.0000°; P -5.2000,Plg16.0000° ,Azm358.0000° $M_0$4.90000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.2km az=49.0.
ISC IX 11 23 26 19.3–.32 47.30N–.02 129.16W–.04 10 4.5s,4.3b 168 3-153
ISCJB IX 11 23 26 17.7–.33 47.26N–.02 129.10W–.04 10 4.5s,4.3b ¶11265520
NEIC IX 11 23 26 19.3 47.24N 129.14W 10 4.7b,4.7W
PGC IX 11 23 26 19.3–39 47.24N 129.14W 10 4.7W,4.1L
IDC IX 11 23 26 25.6–.76 47.64N 128.83W 0 4.5,4.5
BJI IX 11 23 26 25.0 47.20N 129.10W 10 5.1b,5.0s
GCMT IX 11 23 26 28.0–.20 47.46N 129.04W 12 5.2W,5.0s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=149.6.
NEIC Event type se. After PGC.
PGC Event type ke. Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0. 319km Wsw of Tofino, Bc Off Coast Of Washington.
IDC Error ellipse: s-maj=21.4km s-min=9.7km az=60.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s51,c61; s92,c167; Moment tensor: Scale 10^{16}Nm; M_{rr}0.46±.15 $M_{\theta\theta}$-7.23±.13; $M_{\phi\phi}$6.77±.12; $M_{r\theta}$-2.86±.39; $M_{\theta\phi}$-1.89±.13; $M_{r\phi}$1.00±.37; Best double couple: NP1:ϕ_s36.00000°,δ69.00000°,λ-4.00000°. NP2:ϕ_s128.00000°,δ86.00000°,λ-159.00000°. Principal axes: T 7.3100,Plg12.0000° ,Azm260.0000°; N 1.0100,Plg69.0000°,Azm137.0000°; P -8.3200,Plg17.0000° ,Azm354.0000° $M_0$7.80000×10^{16}
ISC IX 11 23 50 48.0–1.5 47.47N–.03 128.90W–.06 18–13 3.9b,3.7s 126 2-75
ISCJB IX 11 23 50 45.2–1.4 47.42N–.03 128.89W–.05 15–14 3.9b,3.7s ¶11343887
PGC IX 11 23 50 46.9–6.3 47.38N 128.90W 10 4.1W,3.5L
NEIC IX 11 23 50 46.5–.45 47.42N 128.93W 10 4.2b,4.1W
IDC IX 11 23 50 51.0–2.0 47.87N 128.55W 0 3.9,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=144.1.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 296km Wsw of Tofino, Bc Off Coast Of Washington.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.2km az=60.0.
IDC Error ellipse: s-maj=43.3km s-min=13.2km az=66.0.
PGC IX 12 00 13 47.8–4.9 47.44N 128.88W 10 3.7W,3.0L ¶13869642

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 290km Wsw of Tofino, Bc Off Coast Of Washington.
PGC IX 12 00 15 26.5–3.2 47.42N 128.87W 10 3.6W,3.0L ¶13869643

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. 291km Wsw of Tofino, Bc Off Coast Of Washington.
PGC IX 12 00 37 19.9–11 47.37N 128.92W 10 3.7W,3.0L ¶13869646

PGC Event type ke. Error ellipse: s-maj=3.3km s-min=1.5km az=-1.0. 297km Wsw of Tofino, Bc Off Coast Of Washington.
PGC IX 12 00 50 09.1–4.0 47.43N 128.88W 10 3.5W,2.9L ¶13869648

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 291km Wsw of Tofino, Bc Off Coast Of Washington.
PGC IX 12 01 10 07.2–7.1 47.45N 128.87W 10 3.6W,3.0L ¶13869649

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 288km Wsw of Tofino, Bc Off Coast Of Washington.
PGC IX 12 01 45 55.6–12 47.41N 128.84W 10 3.6W,3.0L ¶13869650

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0. 290km Wsw of Tofino, Bc Off Coast Of Washington.
ISC IX 12 06 22 23.3–.81 47.71N–.04 128.67W–.08 10 61 2-22
PGC IX 12 06 22 19.4–7.0 47.35N 128.94W 10 3.7W,3.1L ¶11280308
ISCJB IX 12 06 22 21.7–.76 47.69N–.04 128.67W–.07 10 3.7W,3.1L
IDC IX 12 06 22 21.9–3.0 47.66N 128.82W 0 3.7b,3.7
NEIC IX 12 06 22 26.3–4.9 47.85N 128.32W 10 3.0L,3.7
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 300km Wsw of Tofino, Bc Off Coast Of Washington.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=153.6.
IDC Error ellipse: s-maj=59.3km s-min=25.8km az=51.0.
NEIC Event type se. Error ellipse: s-maj=56.4km s-min=13.1km az=108.0.
PGC IX 12 11 11 43.2–24 47.37N 128.99W 10 3.5W,2.8L ¶13869658

PGC Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0. 301km Wsw of Tofino, Bc Off Coast Of Washington.
ISC IX 12 13 17 24.3–.65 47.88N–.03 128.41W–.08 10 3.7b,3.6s 71 2-75
PGC IX 12 13 17 17.5–5.1 47.37N 128.93W 10 4.0W,3.4L ¶11280313
ISCJB IX 12 13 17 22.1–.61 47.80N–.03 128.46W–.08 10 3.7b,3.6s
IDC IX 12 13 17 22.7–2.1 47.74N 128.41W 0 3.8,3.6
NEIC IX 12 13 17 25.6–.76 47.90N 128.21W 10 3.9b,3.6
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 298km Wsw of Tofino, Bc Off Coast Of Washington.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.8km az=164.9.
IDC Error ellipse: s-maj=50.5km s-min=12.5km az=66.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=75.0.
PGC IX 12 13 24 05.9–325 47.22N 129.09W 10 3.5W,2.9L ¶13869659

PGC Event type ke. Error ellipse: s-maj=14.5km s-min=9.8km az=-1.0. 319km Wsw of Tofino, Bc Off Coast Of Washington.
PGC IX 12 13 30 50.5–8.1 47.43N 128.90W 10 3.6W,3.0L ¶11396689

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 292km Wsw of Tofino, Bc Off Coast Of Washington.
PGC IX 12 14 40 40.8–31 47.24N 129.14W 10 3.7W,3.1L ¶11360956

PGC Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0. 320km Wsw of Tofino, Bc Off Coast Of Washington.
PGC IX 12 14 44 58.1–3.6 47.42N 128.88W 10 3.5W,2.9L ¶11360957

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 292km Wsw of Tofino, Bc Off Coast Of Washington.
PGC IX 12 17 21 04.5–2.8 47.37N 128.89W 10 3.7W,3.1L ¶11396690

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. 296km Wsw of Tofino, Bc Off Coast Of Washington.
PGC IX 12 18 19 51.2–62 47.34N 128.92W 10 3.5W,2.9L ¶11396691

PGC Event type ke. Error ellipse: s-maj=6.7km s-min=3.8km az=-1.0. 300km Wsw of Tofino, Bc Off Coast Of Washington.
PGC IX 12 22 16 14.0–66 47.22N 129.12W 10 3.6W,3.0L ¶13869660

PGC Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=-1.0. 320km Wsw of Tofino, Bc Off Coast Of Washington.
ISC IX 14 06 33 47.1–1.7 47.92N–.02 128.54W–.05 1–11 4.6b,3.8s 180 2-94
BJI IX 14 06 33 45.5 47.90N 128.60W 10 4.8s,4.8b ¶11282227
ISCJB IX 14 06 33 46.9–.33 47.85N–.02 128.46W–.05 10 4.5b,3.8s
IDC IX 14 06 33 46.3–1.4 47.75N 128.57W 0 4.2,4.0
PGC IX 14 06 33 48.3–9.3 47.70N 128.44W 10 4.2W,3.6L
NEIC IX 14 06 33 48.0–.51 47.90N 128.57W 10 4.4b,4.2W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=160.8.
IDC Error ellipse: s-maj=34.1km s-min=11.4km az=62.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 246km Wsw of Tofino, Bc Off Coast Of Washington.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.8km az=69.0.
ISC IX 16 09 41 59.3–1.4 47.89N–.03 128.55W–.05 3–10 4.5b,3.5s 151 2-89
PGC IX 16 09 41 54.5–2.5 47.46N 128.87W 10 4.1W,3.4L ¶11277600
BJI IX 16 09 41 55.3 46.91N 129.14W 10 4.7s,4.7b
ISCJB IX 16 09 41 58.5–.37 47.82N–.02 128.52W–.05 10 4.5b,3.5s
IDC IX 16 09 41 58.8–1.9 47.74N 128.41W 0 4.3,4.0
NEIC IX 16 09 41 59.6–.69 47.88N 128.62W 10 4.3b,4.1W
ISC Event type ke.
PGC Event type ke. 288km Wsw of Tofino, Bc Off Coast Of Washington.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=170.6.
IDC Error ellipse: s-maj=42.7km s-min=12.2km az=65.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.3km az=86.0.
ISC IX 16 11 14 27.6–3.0 47.95N–.04 128.39W–.10 1–24 73 2-27
PGC IX 16 11 14 22.2–3.0 47.44N 128.91W 10 3.7W,3.1L ¶11343897
ISCJB IX 16 11 14 26.1–.67 47.82N–.04 128.48W–.08 10 3.7W,3.1L
IDC IX 16 11 14 26.3–2.2 47.69N 128.61W 0 3.8,3.7
NEIC IX 16 11 14 29.5–.87 47.95N 128.25W 10 3.7b,3.7W
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 291km Wsw of Tofino, Bc Off Coast Of Washington.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.5km az=160.1.
IDC Error ellipse: s-maj=49.7km s-min=13.0km az=65.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.7km az=70.0.
PGC XI 04 15 13 20.3–495 47.05N 129.30W 10 3.7W,3.1L ¶12072258

PGC Event type ke. Error ellipse: s-maj=8.9km s-min=12.1km az=-1.0. 343km Wsw of Tofino, Bc Off Coast Of Washington.
PGC XI 04 19 30 54.0–.08 47.40N 128.89W 10 3.7W,3.1L ¶12072285

PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 294km Wsw of Tofino, Bc Off Coast Of Washington.
ISC XI 29 01 13 20.8–.69 47.67N–.04 128.77W–.08 10 3.8b,3.7s 97 3-34
PGC XI 29 01 13 18.2–2.4 47.36N 128.89W 10 4.1W,3.5L ¶11493105
ISCJB XI 29 01 13 19.0–.66 47.60N–.03 128.72W–.07 10 3.8b,3.7s
NEIC XI 29 01 13 19.9–1.0 47.53N 128.79W 10 4.1W,4.0b
IDC XI 29 01 13 21.8–2.3 47.70N 128.65W 0 4.0,3.7
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. 296km Wsw of Tofino, Bc Off Coast Of Washington.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.4km az=157.8.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.0km az=56.0.
IDC Error ellipse: s-maj=47.7km s-min=13.8km az=64.0.
PGC XII 08 10 10 27.6–3.6 46.85N 129.84W 10 3.7W,3.1L ¶11653413

PGC Event type ke. 388km Wsw of Tofino, Bc Off Coast Of Washington.

(28) Washington-Oregon border region.

ISC VII 14 18 45 55.1–.35 45.15N–.01 120.93W–.02 15–3 4.9b,4.0s 239 0-100
IDC VII 14 18 45 51.6–1.7 45.34N 121.17W 0 3.8,3.5 ¶11121257
BJI VII 14 18 45 52.0 44.77N 121.51W 22 5.0b,4.9b
ISCJB VII 14 18 45 53.7–.14 45.13N–.01 120.84W–.02 10 4.9b,4.0s
NEIC VII 14 18 45 55.0 45.13N 120.95W 21 4.2,3.8b
PNSN VII 14 18 45 55.2 45.13N 120.95W 17 4.2,3.8b
ISC Event type fe.
IDC Error ellipse: s-maj=17.8km s-min=10.4km az=143.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.6km az=6.6.
NEIC Event type fe. Felt [III] at Bend and Prineville. Felt at Antelope, Redmond, Terrebonne, The Dalles and Wasco. Also felt at Centerville, Washington. After SEA. Moment Tensor Solution. $M_0$7.20000×10^{14}
PNSN Moment Tensor Solution. NP1:ϕ_s165.00000°,δ60.00000° NP2:ϕ_s255.00000°,δ90.00000° Principal axes: T Plg21.0000°,Azm124.0000°; P Plg21.0000°,Azm26.0000°
ISC XII 27 23 32 35.5–.79 45.14N–.03 120.89W–.03 13–6 50 1-21
IDC XII 27 23 32 31.6–5.0 45.22N 121.81W 0 3.6,3.3 ¶11519551
ISCJB XII 27 23 32 35.2–.89 45.17N–.03 120.86W–.04 19–10 3.6,3.3
NEIC XII 27 23 32 35.6 45.13N 120.95W 16 3.6,3.3
PNSN XII 27 23 32 35.6 45.13N 120.95W 16 3.6,3.3
ISC Event type fe.
IDC Error ellipse: s-maj=140.4km s-min=27.4km az=84.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.4km az=170.8.
NEIC Event type fe. Felt at The Dalles. Also felt at Dallesport, Washington. After SEA.
PNSN Moment Tensor Solution. NP1:ϕ_s340.00000°,δ80.00000° NP2:ϕ_s246.00000°,δ70.00000° Principal axes: T Plg7.0000°,Azm112.0000°; P Plg21.0000°,Azm205.0000°

(29) Washington.

NEIC VII 29 08 09 59.6 47.69N 120.20W 4 2.8
PGC VII 29 08 09 58.9–2.9 47.66N 120.22W 1 2.6L ¶11153920
NEIC Event type se. After SEA.
PGC Event type ke. 158km east of Seattle, Wa Washington.
ISC VII 31 05 02 43.0–.17 48.16N–.01 122.73W–.02 57–3 3.7b 251 0-68
IDC VII 31 05 02 37.8–.74 48.27N 122.31W 0 3.8,3.7b ¶11154021
ISCJB VII 31 05 02 41.5–.18 48.17N–.01 122.70W–.02 74–3 3.6b,3.7b
PGC VII 31 05 02 42.1–.03 48.12N 122.81W 66–0 3.4L,3.7b
PNSN VII 31 05 02 43.1 48.15N 122.75W 56 3.6,3.7b
NEIC VII 31 05 02 43.1 48.15N 122.75W 56 4.0b,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=22.4km s-min=9.5km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=137.8.
PGC Event type fe. 53km Ese of Victoria, Bc Washington Felt (I) at Victoria.
PNSN Moment Tensor Solution. NP1:ϕ_s105.00000°,δ35.00000° NP2:ϕ_s350.00000°,δ73.00000° Principal axes: T Plg22.0000°,Azm56.0000°; P Plg51.0000°,Azm296.0000°

NEIC Event type fe. Felt [IV] at Monroe; [III] at Arlington, Bellingham, Coupeville, Everett, Friday Harbor, Hansville, Mount Vernon, Mukilteo, Oak Harbor, Port Angeles, Port Ludlow, Port Townsend, Quilcene, Seattle, Sequim, Snohomish and Sultan; [II] at Camano Island, Kingston, Marysville, Poulsbo and Stanwood. Also felt at Auburn, Bellevue, Bothell, Bremerton, Carnation, Chimacum, Clinton, Concrete, Eastsound, Edmonds, Federal Way, Gold Bar, Granite Falls, Greenbank, Indianola, Kenmore, Lake Stevens, Langley, Morton, Nordland, North Bend, Olga, Olympia, Port Hadlock, Port Orchard, Redmond and Tacoma. Felt at Portland, Oregon. Felt [III] at Victoria, British Columbia. After SEA.

NEIC	**X**	**14 03 32 21.0**	**47.73N**	**120.27W**	**4**	**2.6**	
PGC	X	14 03 32 21.1–1.8	47.74N	120.25W	1	2.4L	**¶11395970**

NEIC Event type fe. Felt [III] at Entiat. Also felt at Ardenvoir and Orondo. After SEA.
PGC Event type ke. 156km east of Seattle, Wa Washington.

ISC	**XI**	**09 09 15 28.0–.34**	**48.86N–.02**	**122.58W–.03**	**10–4**		**55**	**0-4**	
ISCJB	XI	09 09 15 27.7–.39	48.86N–.02	122.59W–.03	11–3				**¶11406516**
NEIC	XI	09 09 15 28.5	48.87N	122.54W	19	2.8			
PGC	XI	09 09 15 28.5–1.7	48.86N	122.53W	21–0	2.6L			
PNSN	XI	09 09 15 28.5	48.87N	122.54W	19	2.8			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=8.8.
NEIC Event type fe. Felt at Blaine, Custer, Ferndale and Lynden. Also felt at Abbotsford and White Rock, British Columbia. After SEA.
PGC Event type ke. 27km southwest of Albertabotsford, Bc Washington.
PNSN Moment Tensor Solution. NP1:ϕ_s115.00000°,δ60.00000° NP2:ϕ_s276.00000°,δ31.00000° Principal axes: T Plg73.0000°,Azm50.0000°; P Plg14.0000°,Azm198.0000° Moment Tensor Solution. NP1:ϕ_s325.00000°,δ10.00000° NP2:ϕ_s145.00000°,δ80.00000° Principal axes: T Plg55.0000°,Azm55.0000°; P Plg35.0000°,Azm235.0000°

SEISMIC REGION 3.
California-Nevada Region.

(30) Off coast of Oregon.

ISC	**VII**	**02 00 40 36.1–.48**	**44.38N–.04**	**129.93W–.05**	**10**	**4.3b,3.4s**	**87**	**4-93**	
BJI	VII	02 00 40 33.0	44.30N	130.00W	10	4.9b,4.8b			**¶11006844**
ISCJB	VII	02 00 40 34.6–.48	44.39N–.04	129.82W–.05	10	4.3b,3.4s			
NEIC	VII	02 00 40 35.8–.96	44.34N	129.97W	10	4.0b,3.4s			
IDC	VII	02 00 40 39.6–4.5	44.15N	129.02W	0	3.7,3.5			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=5.3km az=43.5.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.1km az=88.0.
IDC Error ellipse: s-maj=69.9km s-min=30.4km az=64.0.

ISC	**VII**	**11 12 47 10.8–1.3**	**43.27N–.03**	**126.36W–.04**	**9–9**	**4.2b,3.5s**	**118**	**2-98**	
IDC	VII	11 12 47 07.8–1.5	43.13N	126.29W	0	3.9,3.8			**¶11109057**
ISCJB	VII	11 12 47 09.6–.35	43.27N–.02	126.29W–.04	13	4.2b,3.5s			
BJI	VII	11 12 47 11.4	44.02N	126.60W	9	4.9b,4.8b			
NEIC	VII	11 12 47 11.2–.58	43.29N	126.28W	10	4.3b,4.8b			

ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=10.4km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.3km az=151.7.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.7km az=54.0.

ISC	**VII**	**12 15 46 03.5–1.5**	**43.31N–.03**	**126.48W–.06**	**18–10**	**4.2b,4.0s**	**127**	**2-145**	
GCMT	VII	12 15 46 01.9–.30	43.05N	126.87W	18–1	5.0W,4.0s			**¶11811369**
IDC	VII	12 15 46 01.4–1.5	43.26N	126.30W	0	4.0s,4.0			
NEIC	VII	12 15 46 02.3–.57	43.29N	126.45W	10	4.4b,4.0			

ISC Event type se.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s35,c38; s83,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.10±.14 $M_{\theta\theta}$-1.94±.10; $M_{\phi\phi}$3.03±.12; $M_{r\theta}$-0.55±.24; $M_{\theta\phi}$-2.15±.11; $M_{\phi r}$-0.20±.24; Best double couple: NP1:ϕ_s23.00000°,δ78.00000°,λ-13.00000°. NP2:ϕ_s116.00000°,δ78.00000°,λ-167.00000°. Principal axes: T 3.8300,Plg0.0000° ,Azm250.0000°; N -0.9200,Plg72.0000°,Azm160.0000°; P -2.9300,Plg18.0000° ,Azm340.0000° $M_0$3.40000×10^{16}
IDC Error ellipse: s-maj=32.5km s-min=11.4km az=45.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.2km az=71.0.

NEIC	**VII**	**12 22 10 07.2–5.2**	**43.09N**	**126.50W**	**10**	**3.6L**	
							¶12951222

NEIC Event type se. Error ellipse: s-maj=59.1km s-min=11.3km az=76.0.

ISC	**VII**	**15 04 29 05.8–1.6**	**44.42N–.04**	**129.77W–.05**	**18–10**	**4.3b**	**92**	**4-96**	
BJI	VII	15 04 29 02.1	44.40N	129.70W	20	5.1b,4.9b			**¶11136612**
IDC	VII	15 04 29 02.3–1.2	44.11N	129.92W	0	4.0,3.9b			
ISCJB	VII	15 04 29 04.0–1.3	44.44N–.04	129.63W–.05	13–9	4.3b,3.9b			
NEIC	VII	15 04 29 05.1–.68	44.43N	129.71W	10	4.1b,3.9b			

ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=13.9km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=6.1km az=136.7.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.3km az=74.0.

ISC	**VII**	**15 18 21 25.2–2.2**	**44.34N–.05**	**128.9W–.20**	**10–19**	**3.4b,3.2s**	**34**	**4-58**	
NEIC	VII	15 18 21 24.9–1.6	44.35N	128.91W	10	3.9b,3.2s			**¶11811675**
IDC	VII	15 18 21 27.8–5.5	44.57N	128.40W	0	3.6,3.4			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=8.1km az=71.0.
IDC Error ellipse: s-maj=116.0km s-min=19.6km az=62.0.

ISC	**VII**	**16 18 48 34.3–1.6**	**44.39N–.06**	**129.6W–.10**	**36–12**	**3.9b,3.4s**	**66**	**4-91**	
BJI	VII	16 18 48 24.6	44.40N	129.30W	10	4.6b,4.3b			**¶11132442**
NEIC	VII	16 18 48 34.7–1.9	44.36N	129.26W	10	3.9b,4.3b			
IDC	VII	16 18 48 35.9–4.6	44.23N	128.83W	0	3.8,3.6			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=8.1km az=82.0.
IDC Error ellipse: s-maj=69.7km s-min=28.7km az=67.0.

ISC	**VII**	**17 09 02 32.1–3.9**	**44.36N–.08**	**129.8W–.20**	**9–27**	**3.5b**	**21**	**6-42**	
IDC	VII	17 09 02 30.0–5.4	44.16N	129.87W	0	3.5,3.4			**¶11811827**
NEIC	VII	17 09 02 32.2–1.9	44.34N	129.82W	10	3.8b,3.4			

ISC Event type se.
IDC Error ellipse: s-maj=87.6km s-min=33.1km az=66.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=11.5km az=80.0.

ISC	**VII**	**17 13 24 49.6–.57**	**44.42N–.04**	**129.69W–.07**	**10**	**3.9b,3.7s**	**92**	**4-93**	
BJI	VII	17 13 24 40.1	44.40N	129.50W	10	4.9b,4.6s			**¶11153445**
IDC	VII	17 13 24 46.8–1.3	44.07N	129.74W	0	4.0,3.9b			
ISCJB	VII	17 13 24 48.1–.56	44.43N–.04	129.57W–.07	10	3.9b,3.7s			
NEIC	VII	17 13 24 50.2–.74	44.39N	129.55W	10	4.1b,3.7s			

ISC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=13.8km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.5km az=162.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.6km az=65.0.

ISC	**VII**	**17 13 32 18.4–.36**	**44.45N–.04**	**129.44W–.05**	**10**	**4.3b,3.8s**	**124**	**4-100**	
IDC	VII	17 13 32 15.1–1.1	44.33N	129.38W	0	4.1b,4.1			**¶11153446**
ISCJB	VII	17 13 32 17.1–.36	44.46N–.04	129.30W–.05	10	4.3b,3.8s			
NEIC	VII	17 13 32 17.4–.45	44.43N	129.50W	10	4.4b,3.8s			
BJI	VII	17 13 32 19.7	45.38N	129.66W	10	5.0b,4.8s			

ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=11.7km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.8km az=38.9.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=53.0.

ISC	**VII**	**17 15 03 29.4–1.3**	**44.54N–.07**	**129.3W–.20**	**10**	**3.1b**	**32**	**4-76**	
IDC	VII	17 15 03 26.5–1.8	44.32N	129.58W	0	3.6,3.4			**¶11153447**
ISCJB	VII	17 15 03 27.8–1.3	44.49N–.07	129.2W–.10	10	3.1b,3.4			
NEIC	VII	17 15 03 29.7–1.4	44.52N	129.25W	10	3.7b,3.4			

ISC Event type se.
IDC Error ellipse: s-maj=51.4km s-min=19.2km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=9.0km az=163.3.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=9.9km az=73.0.

ISC	**VII**	**17 18 19 00.4–.84**	**44.45N–.08**	**129.5W–.10**	**10**	**3.8s,3.7b**	**26**	**4-82**	
IDC	VII	17 18 18 57.3–1.4	44.21N	129.55W	0	3.8,3.7			**¶11811847**
ISCJB	VII	17 18 18 58.9–.82	44.48N–.07	129.4W–.10	10	3.8s,3.7b			
NEIC	VII	17 18 19 00.5–.78	44.46N	129.41W	10	4.1b,3.7b			

ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=14.0km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=8.3km az=137.1.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.8km az=46.0.

ISC	**VII**	**17 18 20 27.2–1.1**	**44.3N–.10**	**129.6W–.20**	**10**	**3.3b**	**18**	**7-82**	
IDC	VII	17 18 20 24.1–1.7	44.13N	129.71W	0	3.7,3.5			**¶11811848**
ISCJB	VII	17 18 20 26.2–1.2	44.4N–.10	129.4W–.20	10	3.3b,3.5			
NEIC	VII	17 18 20 27.3–1.3	44.36N	129.53W	10	4.1b,3.5			

ISC Event type se.
IDC Error ellipse: s-maj=49.8km s-min=18.2km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=11.1km az=38.3.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=12.0km az=221.0.

ISC	**VII**	**17 18 21 38.9–.40**	**44.34N–.04**	**129.49W–.05**	**10**	**4.4b,3.7s**	**138**	**4-145**	
IDC	VII	17 18 21 36.1–.84	44.20N	129.44W	0	4.4,4.3b			**¶11348272**
ISCJB	VII	17 18 21 37.6–.40	44.37N–.04	129.37W–.05	10	4.4b,3.7s			
NEIC	VII	17 18 21 38.7–.48	44.33N	129.48W	10	4.4b,3.7s			
GCMT	VII	17 18 21 42.4–.40	44.09N	129.43W	17–1	5.0W,3.7s			

ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=10.5km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=35.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.8km az=38.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s20,c21; s69,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.74±.28 $M_{\theta\theta}$0.22±.18; $M_{\phi\phi}$2.52±.17; $M_{r\theta}$-1.64±.62; $M_{\theta\phi}$-1.60±.12; $M_{\phi r}$1.52±.38; Best double couple: NP1:ϕ_s349.00000°,δ29.00000°,λ-64.00000°. NP2:ϕ_s140.00000°,δ64.00000°,λ-104.00000°. Principal axes: T 4.0100,Plg18.0000° ,Azm240.0000°; N -0.4300,Plg12.0000°,Azm146.0000°; P -3.5800,Plg68.0000° ,Azm23.0000° $M_0$3.80000×10^{16}

ISC	**VII**	**17 20 58 57.2–1.0**	**44.38N–.08**	**129.2W–.10**	**10**	**3.2b,3.1s**	**25**	**4-85**	
ISCJB	VII	17 20 58 55.4–1.0	44.37N–.08	129.1W–.10	10	3.2b,3.1s			**¶11811862**
IDC	VII	17 20 58 55.4–1.8	44.38N	129.10W	0	3.7,3.5			
NEIC	VII	17 20 59 00.4–3.1	44.41N	128.81W	10	3.3L,3.5			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.5km az=42.9.
IDC Error ellipse: s-maj=63.2km s-min=17.2km az=46.0.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=8.2km az=79.0.

NEIC	**VII**	**17 22 35 02.3–1.1**	**44.56N**	**128.80W**	**10**	**4.0b**	
							¶12951378

NEIC Event type se. Error ellipse: s-maj=15.2km s-min=7.9km az=51.0.

ISC	**VII**	**17 22 36 18.8–.18**	**44.38N–.03**	**129.37W–.03**	**10**	**5.0s,4.9b**	**461**	**4-154**	
BJI	VII	17 22 36 15.7	44.40N	129.40W	10	5.4s,5.2b			**¶12951377**
MOS	VII	17 22 36 16.9–.89	44.35N	129.32W	10	5.3b,5.0s			
IDC	VII	17 22 36 16.1–.68	44.29N	129.41W	0	4.9s,4.9			
ISCJB	VII	17 22 36 17.5–.19	44.40N–.03	129.25W–.03	10	5.0s,4.9b			
GCMT	VII	17 22 36 18.3–.10	44.12N	129.47W	12	5.4W,4.9b			
NEIC	VII	17 22 36 18.8–.22	44.37N	129.36W	10	5.5W,5.5W			
SZGRF	VII	17 22 36 22.2	44.94N	130.19W	33	5.0b,5.5W			

ISC Event type se.
MOS Error ellipse: s-maj=5.4km s-min=4.7km az=117.3.
IDC Error ellipse: s-maj=22.4km s-min=9.7km az=34.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.1km az=28.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=187, per= 50. Moment Tensor Solution. s86,c151; s31,c32; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.01±.03 $M_{\theta\theta}$-0.59±.03; $M_{\phi\phi}$1.60±.03; $M_{r\theta}$0.18±.06; $M_{\theta\phi}$-1.16±.02; $M_{\phi r}$0.41±.06; Best double couple: NP1:ϕ_s299.00000°,δ57.00000°,λ-151.00000°. NP2:ϕ_s192.00000°,δ66.00000°,λ-37.00000°. Principal axes: T 2.1300,Plg6.0000°,Azm247.0000°; N -0.7400,Plg47.0000°,Azm343.0000° ; P -1.3900,Plg43.0000°,Azm152.0000° $M_0$1.80000×10^{17}
NEIC Event type se. Event type se. Error ellipse: s-maj=4.6km s-min=2.3km az=35.0. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67 $M_{\theta\theta}$-1.83 $M_{\phi\phi}$1.16 $M_{r\theta}$0.16 $M_{\theta\phi}$-1.24 $M_{\phi r}$-0.03 Best double couple: NP1:ϕ_s115.00000°,δ88.00000°,λ174.00000°. NP2:ϕ_s205.00000° ,δ84.00000°,λ2.00000°. Principal axes: T 1.6200,Plg5.0000°,Azm69.0000° ; N 0.6700,Plg84.0000°,Azm277.0000°; P -2.2800,Plg2.0000°,Azm160.0000° $M_0$2.00000×10^{17}
SZGRF Off coast of Oregon, United States.

ISC	**VII**	**17 22 37 02.9–3.1**	**43.95N–.07**	**129.47W–.09**	**1–19**	**4.8b**	**55**	**6-85**	
ISCJB	VII	17 22 37 02.7–.47	43.97N–.07	129.35W–.07	10	4.6b			**¶11811877**
IDC	VII	17 22 37 03.0–1.1	43.95N	129.47W	0	4.6,4.5b			
NEIC	VII	17 22 37 04.2–.32	43.94N	129.42W	10	5.1b,4.5b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.1km az=27.7.
IDC Error ellipse: s-maj=28.3km s-min=17.6km az=10.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.9km az=31.0.

ISC	**VII**	**17 22 39 38.6–.43**	**44.37N–.05**	**129.55W–.06**	**10**	**4.4b**	**99**	**4-85**	
IDC	VII	17 22 39 35.6–.94	44.28N	129.56W	0	4.3,4.2			**¶11811878**
ISCJB	VII	17 22 39 37.4–.44	44.39N–.05	129.40W–.06	10	4.4b,4.2			
NEIC	VII	17 22 39 39.3–.52	44.41N	129.46W	10	4.8b,4.2			

ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=12.1km az=34.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.2km az=33.7.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.9km az=35.0.

ISC	**VII**	**17 22 43 02.2–1.9**	**44.39N–.04**	**129.66W–.07**	**27–13**	**4.5b**	**146**	**5-145**	
BJI	VII	17 22 42 57.3	44.40N	129.80W	10	4.9b,4.5b			**¶11132470**
IDC	VII	17 22 42 58.2–.76	44.28N	129.43W	0	4.4,4.4s			
NEIC	VII	17 22 42 59.4–.33	44.37N	129.75W	10	4.8b,4.4s			
GCMT	VII	17 22 43 02.3–.40	44.11N	129.55W	19–1	5.2W,4.4s			

ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=10.6km az=36.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.4km az=213.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s19,c21; s74,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.64±.73 $M_{\theta\theta}$1.09±.41; $M_{\phi\phi}$6.55±.47; $M_{r\theta}$-3.33±1.18; $M_{\theta\phi}$-3.74±.31; $M_{\phi r}$2.64±.83; Best double couple: NP1:ϕ_s346.00000°,δ33.00000°,λ-69.00000°. NP2:ϕ_s141.00000°,δ59.00000°,λ-103.00000°. Principal axes: T 9.3400,Plg13.0000° ,Azm241.0000°; N -0.4600,Plg11.0000°,Azm148.0000°; P -8.8900,Plg73.0000° ,Azm18.0000° $M_0$9.10000×10^{16}

ISC	**VII**	**17 22 51 55.4–.15**	**44.38N–.02**	**129.42W–.02**	**10**	**5.5b,5.3s**	**872**	**4-155**	
MOS	VII	17 22 51 53.8–.87	44.35N	129.34W	10	5.8b,5.2s			**¶12951376**
IDC	VII	17 22 51 53.1–.55	44.31N	129.41W	0	5.2,5.2b			
ISCJB	VII	17 22 51 54.0–.15	44.38N–.02	129.33W–.02	10	5.5b,5.3s			
NEIC	VII	17 22 51 55.3–.16	44.37N	129.42W	10	5.6b,5.6W			
GCMT	VII	17 22 51 57.0–.10	44.09N	129.56W	14–0	5.7W,5.6W			
BGS	VII	17 22 51 58.4–1.6	44.10N	126.90W	10–0	5.5s,5.3b			
BJI	VII	17 22 51 58.0	45.23N	130.18W	10	5.6b,5.5s			
SZGRF	VII	17 22 52 04.7	45.22N	129.20W	38	5.5b,5.4s			

ISC Event type se.
MOS Error ellipse: s-maj=4.8km s-min=3.7km az=88.2.
IDC Error ellipse: s-maj=18.3km s-min=9.0km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=1.8km az=26.3.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=1.8km az=31.0.
GCMT Event type se. Data Used: II IC G IU CN. Surface waves: sta=111, comp=232, per= 50. Moment Tensor Solution. s80,c120; s50,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.29±.06 $M_{\theta\theta}$-2.36±.05; $M_{\phi\phi}$3.66±.06; $M_{r\theta}$-0.46±.12; $M_{\theta\phi}$-2.85±.05; $M_{\phi r}$0.89±.12; Best double couple: NP1:ϕ_s24.00000°,δ82.00000°,λ5.00000°. NP2:ϕ_s293.00000°,δ85.00000°,λ172.00000°. Principal axes: T 4.9500,Plg9.0000°,Azm248.0000°; N -1.4400,Plg81.0000°,Azm84.0000° ; P -3.5000,Plg3.0000°,Azm339.0000° $M_0$4.20000×10^{17}
BGS Error ellipse: s-maj=226.3km s-min=932.2km az=-1.0.
SZGRF Off coast of Oregon, United States.

ISC	**VII**	**19 00 49 17.1–.78**	**44.36N–.04**	**129.22W–.09**	**10**	**3.9b,3.3s**	**92**	**4-145**	
BJI	VII	19 00 49 08.8	44.40N	129.20W	20	4.6b,4.5b			**¶11153474**
IDC	VII	19 00 49 14.1–1.3	44.09N	129.19W	0	3.8,3.7b			
ISCJB	VII	19 00 49 15.1–.81	44.37N–.04	129.17W–.10	10	3.9b,3.2s			
NEIC	VII	19 00 49 16.8–.74	44.35N	129.21W	10	4.0b,3.2s			

ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=13.1km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.7km az=166.9.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=71.0.

ISC	**VII**	**19 01 00 23.2–.29**	**44.36N–.03**	**129.29W–.04**	**10**	**4.5b,4.0s**	**192**	**4-145**	
BJI	VII	19 01 00 19.9	44.30N	129.30W	10	5.1b,4.9s			**¶11133651**
IDC	VII	19 01 00 20.3–.74	44.11N	129.26W	0	4.3,4.2			
ISCJB	VII	19 01 00 21.8–.29	44.37N–.03	129.17W–.04	10	4.5b,4.0s			
NEIC	VII	19 01 00 22.9–.36	44.33N	129.30W	10	4.7b,4.0s			
GCMT	VII	19 01 00 23.4–.40	44.18N	129.41W	14–1	5.0W,4.0s			

ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=10.2km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.0km az=39.5.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=223.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s17,c22; s66,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.45±.22 $M_{\theta\theta}$0.30±.14; $M_{\phi\phi}$2.15±.15; $M_{r\theta}$1.00±.37; $M_{\theta\phi}$-2.18±.10; $M_{\phi r}$1.38±.35; Best double couple: NP1:ϕ_s297.00000°,δ48.00000°,λ-137.00000°. NP2:ϕ_s175.00000°,δ59.00000°,λ-51.00000°. Principal axes: T 3.6600,Plg6.0000° ,Azm239.0000°; N -0.1000,Plg33.0000°,Azm333.0000°; P -3.5500,Plg56.0000° ,Azm139.0000° $M_0$3.60000×10^{16}

ISC	**VII**	**22 12 29 01.3–1.7**	**44.42N–.09**	**129.1W–.20**	**10**	**3.4b**	**28**	**4-25**	
IDC	VII	22 12 28 53.2–5.3	43.41N	130.61W	0	5.0L,3.7			¶11812356
ISCJB	VII	22 12 28 60.0–1.7	44.41N–.09	129.0W–.20	10	3.4b,3.7			
NEIC	VII	22 12 29 01.3–1.8	44.42N	129.11W	10	4.0b,3.7			
ISC	Event type se.								
IDC	Error ellipse: s-maj=119.0km s-min=24.7km az=39.0.								
ISCJB	Event type se. Error ellipse: s-maj=18.9km s-min=10.9km az=155.6.								
NEIC	Event type se. Error ellipse: s-maj=21.0km s-min=11.7km az=65.0.								
ISC	**VII**	**22 12 49 34.9–.73**	**44.43N–.05**	**129.18W–.08**	**10**	**4.0b,3.4s**	**74**	**4-81**	
IDC	VII	22 12 49 32.2–1.4	44.26N	129.16W	0	4.0,3.9b			¶11812357
ISCJB	VII	22 12 49 33.7–.70	44.46N–.05	129.04W–.08	10	4.0b,3.4s			
NEIC	VII	22 12 49 35.2–.74	44.44N	129.14W	10	4.2b,3.4s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=37.6km s-min=13.7km az=42.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.1km s-min=5.4km az=146.9.								
NEIC	Event type se. Error ellipse: s-maj=9.8km s-min=6.0km az=53.0.								
ISC	**VII**	**22 18 30 41.2–4.8**	**44.41N–.06**	**129.7W–.20**	**26–30**	**4.0b,3.4s**	**91**	**4-97**	
BJI	VII	22 18 30 30.2	44.30N	129.80W	10	4.9b,4.8b			¶11153569
NEIC	VII	22 18 30 37.2–2.0	44.30N	129.79W	10	4.1b,4.8b			
IDC	VII	22 18 30 39.3–1.3	44.20N	129.30W	0	4.0,3.8			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=24.7km s-min=8.6km az=92.0.								
IDC	Error ellipse: s-maj=42.9km s-min=16.2km az=42.0.								
ISC	**VII**	**23 08 51 34.4–1.5**	**44.54N–.09**	**129.0W–.20**	**10**	**3.4s,3.0b**	**25**	**4-35**	
ISCJB	VII	23 08 51 32.9–1.5	44.52N–.08	128.9W–.20	10	3.4s,3.0b			¶11812428
IDC	VII	23 08 51 33.8–2.8	44.63N	128.73W	0	3.6,3.5s			
NEIC	VII	23 08 51 36.3–4.2	44.52N	128.79W	10	3.3L,3.5s			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=17.0km s-min=10.5km az=153.8.								
IDC	Error ellipse: s-maj=60.1km s-min=21.1km az=51.0.								
NEIC	Event type se. Error ellipse: s-maj=48.5km s-min=11.7km az=81.0.								
ISC	**VII**	**28 12 30 47.9–.88**	**44.25N–.06**	**129.7W–.10**	**10**	**3.8b**	**44**	**5-85**	
IDC	VII	28 12 30 44.6–1.7	43.64N	130.18W	0	3.9,3.7			¶11812777
ISCJB	VII	28 12 30 47.3–.84	44.25N–.06	129.5W–.10	10	3.8b,3.7			
NEIC	VII	28 12 30 47.7–.80	44.26N	129.68W	10	4.2b,3.7			
ISC	Event type se.								
IDC	Error ellipse: s-maj=57.5km s-min=16.8km az=44.0.								
ISCJB	Event type se. Error ellipse: s-maj=11.1km s-min=8.4km az=154.0.								
NEIC	Event type se. Error ellipse: s-maj=10.4km s-min=8.1km az=70.0.								
ISC	**VII**	**28 12 32 28.3–.43**	**44.40N–.04**	**129.23W–.05**	**10**	**4.2b,3.5s**	**106**	**4-93**	
BJI	VII	28 12 32 24.1	44.40N	129.10W	5	5.2s,5.1b			¶11153865
IDC	VII	28 12 32 24.1–1.7	44.20N	129.32W	0	4.0,3.8b			
ISCJB	VII	28 12 32 26.9–.42	44.42N–.04	129.13W–.05	10	4.2b,3.5s			
NEIC	VII	28 12 32 29.1–.78	44.39N	129.13W	10	4.2b,3.5s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=54.8km s-min=16.3km az=45.0.								
ISCJB	Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=34.3.								
NEIC	Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=58.0.								
ISC	**VII**	**31 20 53 39.7–.91**	**44.31N–.07**	**129.1W–.10**	**10**	**3.4b,3.3s**	**30**	**5-83**	
IDC	VII	31 20 53 37.6–1.6	44.31N	129.14W	0	3.8,3.6			¶11813029
ISCJB	VII	31 20 53 38.0–.90	44.31N–.07	129.0W–.10	10	3.4b,3.3s			
NEIC	VII	31 20 53 39.3–1.1	44.31N	129.20W	10	3.8b,3.3s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=57.7km s-min=15.0km az=43.0.								
ISCJB	Event type se. Error ellipse: s-maj=13.0km s-min=7.1km az=137.2.								
NEIC	Event type se. Error ellipse: s-maj=15.9km s-min=10.4km az=53.0.								
ISC	**VIII**	**02 20 13 00.0–.94**	**43.99N–.05**	**128.3W–.10**	**10**	**3.7b,3.1s**	**50**	**3-77**	
IDC	VIII	02 20 12 56.8–1.8	43.83N	128.56W	0	3.6,3.5			¶11160913
ISCJB	VIII	02 20 12 58.7–.93	43.97N–.05	128.3W–.10	10	3.6b,3.1s			
NEIC	VIII	02 20 13 00.1–1.1	44.02N	128.27W	10	3.9b,3.1s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=48.5km s-min=17.3km az=44.0.								
ISCJB	Event type se. Error ellipse: s-maj=11.4km s-min=6.9km az=161.5.								
NEIC	Event type se. Error ellipse: s-maj=14.5km s-min=8.8km az=74.0.								
ISC	**VIII**	**05 11 20 58.6–2.6**	**44.14N–.07**	**129.3W–.10**	**4–20**	**3.4b**	**41**	**4-25**	
IDC	VIII	05 11 20 56.5–3.0	43.89N	129.56W	0	3.6,3.5			¶11907788
ISCJB	VIII	05 11 20 58.1–1.1	44.18N–.06	129.2W–.10	10	3.4b,3.5			
NEIC	VIII	05 11 20 59.4–1.6	44.14N	129.30W	10	4.0b,3.5			
ISC	Event type se.								
IDC	Error ellipse: s-maj=64.1km s-min=18.1km az=50.0.								
ISCJB	Event type se. Error ellipse: s-maj=12.7km s-min=6.7km az=145.1.								
NEIC	Event type se. Error ellipse: s-maj=18.7km s-min=9.8km az=62.0.								
ISC	**VIII**	**08 10 07 59.0–.51**	**44.03N–.05**	**128.54W–.06**	**10**	**3.7b,3.0s**	**64**	**3-97**	
IDC	VIII	08 10 07 56.1–1.1	44.04N	128.43W	0	3.8,3.7			¶11159993
ISCJB	VIII	08 10 07 57.6–.49	44.03N–.05	128.44W–.06	10	3.7b,3.0s			
NEIC	VIII	08 10 07 58.3–.76	44.01N	128.58W	10	3.9b,3.0s			
BJI	VIII	08 10 08 00.1	44.59N	129.34W	7	5.4b,5.0b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=40.2km s-min=13.2km az=43.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.5km s-min=5.1km az=36.3.								
NEIC	Event type se. Error ellipse: s-maj=10.8km s-min=6.5km az=51.0.								
ISC	**VIII**	**08 15 41 17.7–2.7**	**43.96N–.08**	**128.6W–.10**	**8–19**	**3.8b**	**34**	**4-81**	
IDC	VIII	08 15 41 13.4–1.9	42.73N	130.01W	0	3.9,3.8b			¶11907971
NEIC	VIII	08 15 41 17.9–1.4	43.99N	128.64W	10	3.9b,3.8b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=99.5km s-min=23.6km az=28.0.								
NEIC	Event type se. Error ellipse: s-maj=18.0km s-min=12.7km az=84.0.								
ISC	**VIII**	**17 12 37 24.0–1.5**	**42.15N–.05**	**125.8W–.20**	**10**	**3.3b**	**27**	**1-40**	
ISCJB	VIII	17 12 37 21.6–1.5	42.14N–.05	126.0W–.20	10	3.3b			¶11184373
NEIC	VIII	17 12 37 22.9–2.1	42.13N	125.90W	10	3.1L			
IDC	VIII	17 12 37 26.2–13	42.30N	125.27W	0	3.7,3.4b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=17.3km s-min=6.4km az=173.7.								
NEIC	Event type se. Error ellipse: s-maj=26.2km s-min=7.6km az=81.0.								
IDC	Error ellipse: s-maj=267.2km s-min=23.2km az=67.0.								
ISC	**VIII**	**19 03 21 55.5–.46**	**43.26N–.03**	**126.41W–.05**	**10**	**4.2b,3.4s**	**75**	**3-98**	
IDC	VIII	19 03 21 52.8–2.3	43.13N	126.45W	0	3.8,3.6			¶11207921
BJI	VIII	19 03 21 53.1	43.30N	126.30W	10	5.1b,4.9s			
ISCJB	VIII	19 03 21 54.2–.46	43.31N–.03	126.29W–.05	10	4.2b,3.4s			
NEIC	VIII	19 03 21 56.2–.81	43.32N	126.30W	10	4.1b,3.4s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=50.4km s-min=12.2km az=50.0.								
ISCJB	Event type se. Error ellipse: s-maj=5.3km s-min=4.1km az=162.5.								
NEIC	Event type se. Error ellipse: s-maj=10.7km s-min=5.6km az=64.0.								
ISC	**VIII**	**23 10 57 25.6–2.7**	**43.71N–.05**	**127.5W–.10**	**29–22**	**3.3b,3.0s**	**53**	**2-25**	
IDC	VIII	23 10 57 23.1–2.3	43.93N	127.04W	0	3.7,3.5			¶11223761
NEIC	VIII	23 10 57 23.1–.91	43.70N	127.56W	10	3.8b,3.5			
ISC	Event type se.								
IDC	Error ellipse: s-maj=48.0km s-min=16.5km az=52.0.								
NEIC	Event type se. Error ellipse: s-maj=11.2km s-min=6.1km az=78.0.								
ISC	**VIII**	**28 15 00 48.2–.34**	**43.18N–.03**	**126.36W–.04**	**10**	**4.5b,3.9s**	**145**	**2-153**	
BJI	VIII	28 15 00 44.8	43.10N	126.30W	10	5.0b,5.0b			¶11222417
ISCJB	VIII	28 15 00 46.5–.33	43.17N–.03	126.27W–.04	10	4.5b,3.9s			
IDC	VIII	28 15 00 46.3–.99	43.13N	126.30W	0	4.1,3.9			
NEIC	VIII	28 15 00 47.9–.49	43.13N	126.32W	10	4.5b,3.9			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=144.1.								
IDC	Error ellipse: s-maj=28.5km s-min=9.5km az=39.0.								
NEIC	Event type se. Error ellipse: s-maj=6.9km s-min=4.1km az=58.0.								
ISC	**VIII**	**28 15 50 11.6–.41**	**43.43N–.03**	**127.15W–.04**	**10**	**3.9b**	**92**	**2-95**	
ISCJB	VIII	28 15 50 10.3–.41	43.47N–.03	127.09W–.04	10	3.9b			¶11232359
NEIC	VIII	28 15 50 10.9–.39	43.35N	127.18W	10	4.2b			
IDC	VIII	28 15 50 10.2–1.1	43.59N	127.04W	0	3.9,3.8L			
BJI	VIII	28 15 50 11.4	43.93N	128.17W	5	4.5b,4.5b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.1km s-min=3.7km az=138.5.								
NEIC	Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=215.0.								
IDC	Error ellipse: s-maj=33.4km s-min=10.6km az=38.0.								
ISC	**X**	**14 15 10 41.1–.61**	**44.10N–.06**	**129.23W–.07**	**10**	**4.3b,3.7s**	**69**	**4-93**	
BJI	X	14 15 10 35.1	43.80N	129.20W	6	5.0b,4.7s			¶11348186
ISCJB	X	14 15 10 40.4–.67	44.10N–.05	129.03W–.08	10	4.3b,3.7s			
IDC	X	14 15 10 40.9–1.6	44.20N	128.79W	0	3.9,3.7b			
NEIC	X	14 15 10 41.4–.94	43.97N	128.98W	10	4.1b,3.7b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=9.2km s-min=6.6km az=136.6.								
IDC	Error ellipse: s-maj=45.8km s-min=14.7km az=38.0.								
NEIC	Event type se. Error ellipse: s-maj=12.8km s-min=8.6km az=223.0.								
NEIC	**X**	**15 00 58 41.7–1.4**	**43.90N**	**129.67W**	**10**	**4.0b**			¶13397109
NEIC	Event type se. Error ellipse: s-maj=16.9km s-min=9.2km az=54.0.								
ISC	**X**	**24 12 04 13.6–1.7**	**42.4N–.10**	**126.4W–.20**	**10**	**2.8b**	**21**	**2-25**	
IDC	X	24 12 04 10.5–2.2	42.21N	126.73W	0	3.4L,3.3			¶12070984
ISCJB	X	24 12 04 11.6–1.7	42.3N–.10	126.5W–.20	10	2.8b,3.3			
NEIC	X	24 12 04 13.5–1.9	42.44N	126.41W	10	3.1L,3.3			
ISC	Event type se.								
IDC	Error ellipse: s-maj=43.4km s-min=18.3km az=30.0.								
ISCJB	Event type se. Error ellipse: s-maj=22.3km s-min=12.8km az=141.0.								
NEIC	Event type se. Error ellipse: s-maj=26.3km s-min=15.5km az=51.0.								
ISC	**XI**	**03 19 55 58.8–.87**	**43.28N–.05**	**126.86W–.09**	**10**	**3.9b**	**73**	**2-73**	
ISCJB	XI	03 19 55 57.4–.84	43.32N–.05	126.79W–.09	10	3.9b			¶12072163
IDC	XI	03 19 55 58.3–1.8	43.43N	126.47W	0	4.0,3.8b			
NEIC	XI	03 19 55 58.7–.90	43.28N	126.86W	10	4.3b,3.8b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=10.4km s-min=5.4km az=144.7.								
IDC	Error ellipse: s-maj=38.6km s-min=11.1km az=50.0.								
NEIC	Event type se. Error ellipse: s-maj=11.3km s-min=6.4km az=55.0.								
ISC	**XI**	**14 01 48 39.3–.73**	**43.59N–.01**	**127.44W–.03**	**22–5**	**5.0b,4.8s**	**954**	**2-154**	
IDC	XI	14 01 48 34.9–.63	43.49N	127.55W	0	4.8,4.7			¶13400110
BJI	XI	14 01 48 34.1	43.50N	127.40W	10	5.3s,5.3b			
ISCJB	XI	14 01 48 36.9–.14	43.61N–.01	127.36W–.02	15	5.0b,4.8s			
MOS	XI	14 01 48 36.8–1.2	43.56N	127.39W	17	5.4b,4.8s			
NEIC	XI	14 01 48 37.1–.19	43.50N	127.39W	10	5.3b,4.8s			
GCMT	XI	14 01 48 40.0–.20	43.40N	127.68W	14–1	5.3W,4.8s			
SZGRF	XI	14 01 48 45.2	44.03N	126.94W	33	4.8b,4.8s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=20.7km s-min=11.5km az=40.0.								
ISCJB	Event type se. Error ellipse: s-maj=2.3km s-min=1.5km az=135.2.								
MOS	Error ellipse: s-maj=5.5km s-min=4.4km az=120.2.								
NEIC	Event type se. Error ellipse: s-maj=3.9km s-min=2.3km az=209.0.								
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves: sta=101, comp=195, per= 50. Moment Tensor Solution. s62,c106; s14,c14; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s112.00000° ,δ80.00000°,λ-173.00000°. NP2:ϕ_e21.00000°,δ83.00000°,λ-10.00000°. Principal axes: T 1.2800,Plg2.0000°,Azm67.0000°; N 0.0200,Plg78.0000°,Azm167.0000° ; P -1.2900,Plg12.0000°,Azm336.0000° $M_0$1.30000×10^{17}								
SZGRF	Off coast of Oregon, United States.								
ISC	**XI**	**24 16 24 07.5–1.6**	**42.98N–.07**	**126.4W–.20**	**10**	**3.0b**	**27**	**2-25**	
ISCJB	XI	24 16 24 06.0–1.5	42.99N–.07	126.4W–.20	10	3.0b			¶12074697
IDC	XI	24 16 24 06.0–2.2	43.02N	126.21W	0	3.5,3.3			
NEIC	XI	24 16 24 07.5–1.1	42.97N	126.35W	10	2.7L,3.3			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=18.1km s-min=9.0km az=159.4.								
IDC	Error ellipse: s-maj=48.3km s-min=20.3km az=45.0.								
NEIC	Event type se. Error ellipse: s-maj=13.1km s-min=6.3km az=70.0.								
ISC	**XII**	**12 04 40 16.4–1.6**	**42.15N–.09**	**126.7W–.20**	**10**	**3.2b**	**30**	**2-25**	
ISCJB	XII	12 04 40 14.7–1.5	42.19N–.09	126.7W–.20	10	3.2b			¶12077053
IDC	XII	12 04 40 15.5–3.9	42.21N	126.42W	0	3.6,3.4			
NEIC	XII	12 04 40 16.8–1.2	42.19N	126.69W	10	3.7b,3.4			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=18.2km s-min=10.1km az=149.2.								
IDC	Error ellipse: s-maj=100.2km s-min=19.8km az=50.0.								
NEIC	Event type se. Error ellipse: s-maj=14.7km s-min=7.8km az=60.0.								
ISC	**XII**	**15 18 15 41.7–1.5**	**43.58N–.09**	**127.3W–.20**	**10**	**3.0b**	**20**	**3-24**	
ISCJB	XII	15 18 15 40.7–1.5	43.62N–.09	127.2W–.20	10	3.0b			¶12077639
NEIC	XII	15 18 15 40.9–1.5	43.50N	127.35W	10	3.6L			
IDC	XII	15 18 15 42.3–2.3	43.86N	126.86W	0	3.6,3.4			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=19.1km s-min=10.4km az=155.6.								
NEIC	Event type se. Error ellipse: s-maj=19.4km s-min=11.2km az=59.0.								
IDC	Error ellipse: s-maj=47.6km s-min=18.3km az=51.0.								
ISC	**XII**	**15 21 54 14.8–2.7**	**44.23N–.08**	**128.8W–.10**	**8–25**		**24**	**4-23**	
ISCJB	XII	15 21 54 12.0–2.1	44.23N–.08	128.8W–.10	0–20				¶12077669
IDC	XII	15 21 54 13.1–4.3	44.14N	128.93W	0	3.6,3.4			
NEIC	XII	15 21 54 17.9–3.0	44.28N	128.54W	10	3.2L,3.4			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=17.4km s-min=11.8km az=144.2.								
IDC	Error ellipse: s-maj=104.0km s-min=23.0km az=53.0.								
NEIC	Event type se. Error ellipse: s-maj=36.6km s-min=10.4km az=83.0.								
ISC	**XII**	**17 01 27 22.9–.47**	**43.11N–.03**	**126.32W–.05**	**10**	**3.9b,3.3s**	**80**	**1-98**	
BJI	XII	17 01 27 18.2	43.00N	126.50W	10	5.0b,4.8b			¶12077836
ISCJB	XII	17 01 27 21.5–.46	43.15N–.03	126.29W–.05	10	3.9b,3.3s			
NEIC	XII	17 01 27 21.9–.85	42.95N	126.32W	10	3.9b,3.3s			
IDC	XII	17 01 27 24.1–2.2	43.37N	125.95W	0	3.7,3.5			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.3km s-min=3.7km az=156.5.								
NEIC	Event type se. Error ellipse: s-maj=11.8km s-min=6.2km az=59.0.								
IDC	Error ellipse: s-maj=41.9km s-min=18.0km az=54.0.								
ISC	**XII**	**24 04 11 44.5–1.6**	**43.55N–.03**	**126.99W–.07**	**31–13**	**4.0b**	**72**	**2-95**	
BJI	XII	24 04 11 36.1	43.60N	127.00W	10	4.9b,4.8s			¶11518745
NEIC	XII	24 04 11 39.9–1.3	43.39N	127.09W	10	4.0b,4.8s			
IDC	XII	24 04 11 40.1–2.2	43.61N	126.82W	0	3.9,3.6			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=15.7km s-min=7.3km az=66.0.								
IDC	Error ellipse: s-maj=42.6km s-min=17.9km az=51.0.								
ISC	**XII**	**30 02 31 24.5–2.1**	**43.17N–.05**	**126.6W–.10**	**2–18**	**3.5b,3.0s**	**35**	**2-25**	
ISCJB	XII	30 02 31 23.7–.92	43.19N–.04	126.62W–.09	10	3.5b,3.0s			¶11532196
NEIC	XII	30 02 31 25.8–1.5	43.17N	126.53W	10	3.0L,3.0s			
IDC	XII	30 02 31 26.5–2.1	43.44N	126.12W	0	3.9,3.6			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=9.6km s-min=5.6km az=166.6.								
NEIC	Event type se. Error ellipse: s-maj=21.3km s-min=9.1km az=72.0.								
IDC	Error ellipse: s-maj=39.6km s-min=17.7km az=53.0.								

(33) Western Idaho.

ISC	**XI**	**26 17 33 58.0–.37**	**44.07N–.01**	**114.71W–.02**	**0–3**		**181**	**0-5**	
ISCJB	XI	26 17 33 58.2–.19	44.07N–.01	114.76W–.02	10				¶12074923
NEIC	XI	26 17 33 58.0	44.06N	114.68W	10	3.7L			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=1.8km s-min=1.6km az=143.3.								
NEIC	Event type se. After BUT.								
ISC	**XI**	**27 03 14 17.4–.18**	**44.07N–.01**	**114.72W–.02**	**10**		**224**	**0-5**	
ISCJB	XI	27 03 14 16.5–.18	44.09N–.01	114.77W–.02	10				¶12074985
NEIC	XI	27 03 14 16.0	44.06N	114.68W	11	3.6L			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=1.7km s-min=1.4km az=145.1.								
NEIC	Event type se. After BUT.								

(34) Off coast of northern California.

ISC	**VII**	**01 17 07 02.2–.74**	**40.37N–.04**	**127.04W–.07**	**10**	**4.0b,3.5s**	**82**	**3-94**	
ISCJB	VII	01 17 07 00.3–.71	40.39N–.04	127.02W–.07	10	4.0b,3.5s			¶11006833
NEIC	VII	01 17 07 00.8–.85	40.32N	127.18W	10	3.9b,3.6L			
IDC	VII	01 17 07 08.0–1.6	40.38N	126.38W	0	4.0,3.9b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=8.2km s-min=4.3km az=152.4.								
NEIC	Event type se. Error ellipse: s-maj=10.9km s-min=4.8km az=68.0.								
IDC	Error ellipse: s-maj=22.2km s-min=19.2km az=42.0.								
ISC	**VII**	**30 13 39 33.9–.59**	**40.38N–.05**	**125.27W–.06**	**10**	**4.2b,3.5s**	**57**	**2-98**	
BJI	VII	30 13 39 31.8	40.50N	125.20W	5	5.2b,5.2b			¶11153985
ISCJB	VII	30 13 39 32.6–.58	40.41N–.04	125.20W–.06	10	4.2b,3.5s			
NEIC	VII	30 13 39 33.0	40.46N	125.20W	2	4.3W,4.2b			
IDC	VII	30 13 39 34.5–3.1	40.58N	125.07W	0	3.9,3.5b			
ISC	Event type fe.								

ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=6.1km az=145.7.
NEIC Event type fe. Felt at Eureka. After NCEDC. Moment Tensor Solution. $M_0$3.00000×10^{15}
IDC Error ellipse: s-maj=69.1km s-min=18.3km az=42.0.
ISC VIII 01 02 30 10.7–2.9 40.45N–.07 125.3W–.20 18–29 3.7b 32 1-23
IDC VIII 01 02 30 06.7–3.1 40.63N 125.46W 0 3.7,3.4 **¶11907653**
NEIC VIII 01 02 30 08.3 40.44N 125.33W 2 3.6b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=20.4km az=87.0.
NEIC Event type se. After NCEDC.
ISC VIII 16 11 21 53.6–2.4 40.42N–.05 127.1W–.10 25–25 3.0b 32 3-27
NEIC VIII 16 11 21 51.9–1.5 40.45N 127.12W 10 3.2 **¶11908303**
IDC VIII 16 11 21 52.5–2.3 40.77N 127.06W 0 3.5,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=8.1km az=72.0.
IDC Error ellipse: s-maj=35.8km s-min=22.0km az=25.0.
ISC X 02 11 04 33.5–.62 40.95N–.05 127.52W–.07 10 3.9b,3.5s 98 3-98
ISCJB X 02 11 04 32.7–.59 40.99N–.05 127.34W–.06 10 3.9b,3.5s **¶11911704**
IDC X 02 11 04 32.5–1.5 41.09N 127.35W 0 4.1,4.0
NEIC X 02 11 04 34.4–1.1 41.00N 127.39W 10 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=39.7.
IDC Error ellipse: s-maj=35.9km s-min=15.4km az=16.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.7km az=62.0.
ISC X 02 11 07 37.7–.95 40.91N–.07 127.3W–.10 10 3.4b 34 3-80
ISCJB X 02 11 07 36.3–.96 40.91N–.07 127.32W–.10 10 3.4b **¶11911705**
NEIC X 02 11 07 36.8–1.4 40.89N 127.42W 10 4.0b
IDC X 02 11 07 38.3–1.8 41.26N 127.24W 0 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=9.1km az=138.3.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=9.8km az=70.0.
IDC Error ellipse: s-maj=36.8km s-min=16.1km az=27.0.
ISC X 03 13 59 02.0–.72 40.38N–.03 126.20W–.07 10 4.0b,3.3s 80 2-99
BJI X 03 13 58 56.1 40.30N 126.40W 10 4.8b,4.6b **¶11327841**
ISCJB X 03 13 58 59.5–.65 40.37N–.03 126.24W–.06 10 4.0b,3.3s
NEIC X 03 13 59 01.3–1.4 40.36N 126.27W 10 4.0b,3.3s
IDC X 03 13 59 02.5–2.0 40.58N 126.06W 0 4.2L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.9km az=159.2.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=6.2km az=76.0.
IDC Error ellipse: s-maj=24.3km s-min=21.1km az=34.0.
ISC X 06 11 22 48.0–.98 40.51N–.05 125.47W–.10 10 43 1-21
ISCJB X 06 11 22 46.0–1.0 40.52N–.05 125.52W–.10 10 **¶12066140**
NEIC X 06 11 22 47.2–1.8 40.52N 125.56W 10 2.5
IDC X 06 11 22 48.4–2.1 40.55N 125.31W 0 3.8,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.1km az=162.4.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=8.7km az=75.0.
IDC Error ellipse: s-maj=21.0km s-min=17.8km az=82.0.
ISC X 15 22 45 56.5–1.1 40.40N–.03 125.45W–.08 11–8 3.4b,3.1s 84 1-71
ISCJB X 15 22 45 55.4–.89 40.45N–.03 125.37W–.08 12–7 3.4b,3.1s **¶12068716**
NEIC X 15 22 45 55.5 40.41N 125.51W 5 3.6L,3.1s
IDC X 15 22 45 57.3–1.8 40.55N 125.20W 0 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=3.9km az=162.9.
NEIC Event type se. After NCEDC.
IDC Error ellipse: s-maj=22.0km s-min=17.9km az=46.0.
ISC XI 13 05 03 52.0–1.6 40.47N–.05 125.21W–.09 3–8 26 1-84
ISCJB XI 13 05 03 51.2–1.4 40.44N–.05 125.24W–.09 9–9 **¶11451597**
NEIC XI 13 05 03 54.0 40.45N 125.33W 23 4.0W
IDC XI 13 05 04 01.1–3.7 40.65N 124.15W 0 3.9,3.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=7.8km az=177.4.
NEIC Event type fe. Felt at Alderpoint. After NCEDC. Moment Tensor Solution. $M_0$1.30000×10^{15}
IDC Error ellipse: s-maj=46.6km s-min=25.6km az=60.0.
ISC XI 28 13 42 21.6–.64 40.46N–.01 126.96W–.03 21–4 5.4s,5.2b 904 2-165
MOS XI 28 13 42 17.8–1.2 40.40N 126.88W 10 5.5s,5.5b **¶11480327**
BJI XI 28 13 42 18.4 40.30N 127.00W 10 5.6s,5.5b
NEIC XI 28 13 42 18.7–.24 40.35N 126.98W 10 5.9W,5.8W
ISCJB XI 28 13 42 18.9–.64 40.55N–.01 126.87W–.02 10–4 5.4s,5.2b
IDC XI 28 13 42 19.3–.83 40.56N 126.80W 0 5.2,5.2s
GCMT XI 28 13 42 23.5–.10 40.35N 127.04W 23–0 5.9W,5.2s
SZGRF XI 28 13 42 31.6 42.10N 129.60W 33 5.8b,5.6s
ISC Event type fe.
MOS Error ellipse: s-maj=5.4km s-min=5.0km az=26.5.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=42.0. Felt at Littleriver and Redway. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-0.13 $M_{r\theta}$1.02 $M_{\theta\phi}$-6.81 $M_{\phi r}$0.95 Best double couple: NP1:ϕ_s180.00000°,δ82.00000° ,λ-7.00000°. NP2:ϕ_s271.00000°,δ83.00000°,λ-172.00000°. Principal axes: T 6.6300,Plg0.0000°,Azm45.0000°; N 0.6100,Plg79.0000°,Azm312.0000° ; P -7.2400,Plg10.0000°,Azm135.0000° $M_0$7.00000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=150.8.
IDC Error ellipse: s-maj=21.2km s-min=10.2km az=33.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=122, comp=282, per= 50. Moment Tensor Solution. s102,c221; s79,c117; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.15±.01 $M_{\theta\theta}$0.06±.01; $M_{\phi\phi}$0.08±.01; $M_{r\theta}$-0.09±.01; $M_{\theta\phi}$-1.02±.01; $M_{\phi r}$0.10±.02; Best double couple: NP1:ϕ_s270.00000°,δ85.00000°,λ176.00000°. NP2:ϕ_s0.00000°,δ86.00000°,λ5.00000°. Principal axes: T 1.1100,Plg6.0000°,Azm225.0000°; N -0.1600,Plg84.0000°,Azm41.0000° ; P -0.9500,Plg0.0000°,Azm135.0000° $M_0$1.00000×10^{18}
SZGRF Off coast of Oregon, United States.

(35) Near coast of northern California.

ISC VIII 17 05 57 01.5–.98 41.17N–.02 124.24W–.05 31–6 4.5b,4.0s 204 0-152
BJI VIII 17 05 56 56.0 41.20N 124.20W 17 5.0b,4.9s **¶11167617**
IDC VIII 17 05 56 56.7–.69 41.14N 124.15W 0 4.3,4.2
ISCJB VIII 17 05 56 59.6–1.1 41.21N–.02 124.11W–.05 26–7 4.5b,4.0s
NEIC VIII 17 05 56 59.0 41.18N 124.20W 17 4.6b,4.6W
ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=10.3km az=172.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.4km az=159.3.
NEIC Event type fe. Felt [IV] at Arcata, Bayside, Eureka, Orick and Trinidad; [III] at Blue Lake, Burnt Ranch, Crescent City, Ferndale, Fortuna, Klamath, Kneeland, McKinleyville and Willow Creek; [II] at Hoopa and Loleta. Also felt at Bridgeville, Carlotta, Hydesville, Orleans, Salyer, Samoa and Somes Bar. After NCEDC. Moment Tensor Solution. $M_0$1.00000×10^{16} Moment Tensor Solution. $M_0$7.60000×10^{15}
ISC IX 12 13 04 04.2–.56 39.38N–.03 123.19W–.06 8–5 40 0-53
ISCJB IX 12 13 04 03.2–.57 39.41N–.03 123.12W–.06 3–6 **¶11280312**
IDC IX 12 13 04 04.6–2.0 39.48N 123.31W 0 4.3s,4.3
NEIC IX 12 13 04 04.5 39.39N 123.28W 11 3.6W,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.4km az=160.3.
IDC Error ellipse: s-maj=25.0km s-min=10.4km az=61.0.
NEIC Event type fe. Felt [IV] at Willits. Also felt at Albion, Comptche, Mendocino and Redwood Valley. After NCEDC. Moment Tensor Solution. $M_0$3.60000×10^{14}
ISC X 26 09 26 49.0–.48 40.26N–.02 124.78W–.06 10 4.0b 115 1-101
ISCJB X 26 09 26 47.2–.47 40.28N–.02 124.70W–.06 10 4.0b **¶11362751**
BJI X 26 09 26 48.7 40.30N 124.60W 19 5.4b,5.2s
IDC X 26 09 26 50.1–2.5 40.48N 124.30W 0 4.1,4.0
NEIC X 26 09 26 50.8 40.32N 124.61W 20 4.9W,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.2km az=175.3.
IDC Error ellipse: s-maj=36.1km s-min=18.1km az=63.0.
NEIC Event type fe. Felt in the Ferndale area. After NCEDC. Moment Tensor Solution. $M_0$3.10000×10^{16}
ISC X 26 09 27 20.7–.31 40.33N–.02 124.80W–.03 10 4.6b,4.5s 468 1-146
BJI X 26 09 27 15.0 39.74N 124.01W 11 5.3b,5.1s **¶13398102**
ISCJB X 26 09 27 19.1–.30 40.37N–.02 124.68W–.03 10 4.6b,4.5s
NEIC X 26 09 27 22.3 40.34N 124.63W 22 4.9b,4.9W
IDC X 26 09 27 23.8–.74 40.45N 124.46W 25–3 4.8L,4.3
GCMT X 26 09 27 24.8–.40 40.29N 124.63W 22–1 5.0W,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.0km az=165.5.
NEIC Event type fe. Felt [V] at Loleta; [IV] at Ferndale, Fortuna, Hydesville, Petrolia, Rio Dell and Whitethorn; [III] at Carlotta, Eureka, Garberville and Scotia; [II] at Arcata, Bayside, McKinleyville and Myers Flat. Also felt at Alderpoint, Bridgeville, Fort Bragg, Kneeland, Littleriver, Mendocino, Piercy, Redcrest, Redway, Samoa, Trinidad and Ukiah. After NCEDC. Moment Tensor Solution. $M_0$3.30000×10^{16}
IDC Error ellipse: s-maj=14.9km s-min=10.5km az=22.0.
GCMT Event type se. Data Used: IU IC II CN G. Moment Tensor Solution. s23,c27; s74,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.72±.23 $M_{\theta\theta}$-1.50±.19; $M_{\phi\phi}$2.22±.18; $M_{r\theta}$-0.79±.29; $M_{\theta\phi}$-4.24±.15; $M_{\phi r}$0.60±.29; Best double couple: NP1:ϕ_s12.00000°,δ80.00000°,λ3.00000°. NP2:ϕ_s282.00000°,δ87.00000°,λ170.00000°. Principal axes: T 5.1400,Plg9.0000° ,Azm237.0000°; N -0.8300,Plg79.0000°,Azm88.0000°; P -4.3000,Plg6.0000°,Azm327.0000° $M_0$4.70000×10^{16}
ISC X 26 16 07 47.0–1.2 41.20N–.04 124.3W–.10 19–5 27 0-21
IDC X 26 16 07 43.9–2.9 41.22N 124.32W 0 3.6,3.3 **¶11362762**
ISCJB X 26 16 07 47.2–1.2 41.18N–.04 124.3W–.10 29–6 3.6,3.3
NEIC X 26 16 07 48.2 41.17N 124.22W 17 3.9W,3.3
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=16.9km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=6.8km az=176.4.
NEIC Event type se. After NCEDC. Moment Tensor Solution. $M_0$8.70000×10^{14}
ISC XI 16 05 43 14.2–1.1 40.29N–.03 124.67W–.05 9–6 4.5b,3.8s 146 1-98
IDC XI 16 05 43 13.8–1.4 40.48N 124.34W 0 4.4,4.2 **¶11453284**
ISCJB XI 16 05 43 14.3–.85 40.33N–.02 124.56W–.05 23–6 4.5b,3.8s
NEIC XI 16 05 43 15.0 40.32N 124.61W 20 4.7b,4.6W
BJI XI 16 05 43 15.0 40.30N 124.60W 19 5.1b,5.1b
ISC Event type fe.
IDC Error ellipse: s-maj=28.6km s-min=13.7km az=38.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.5km az=166.2.
NEIC Event type fe. Felt [IV] at Ferndale, Hydesville, Petrolia, Redcrest, Rio Dell, Scotia and Whitethorn; [III] at Eureka, Fortuna, Garberville, Loleta and Myers Flat; [II] at Arcata and Bayside. Felt from Trinidad to Littleriver and at Ukiah. After NCEDC. Moment Tensor Solution. $M_0$1.00000×10^{16}

(36) Northern California.

ISC IX 13 20 27 52.7–.48 38.81N–.04 122.78W–.06 10 26 0-18
IDC IX 13 20 27 49.5–3.2 38.67N 122.97W 0 3.5L,3.4 **¶11277516**
ISCJB IX 13 20 27 52.0–.45 38.80N–.03 122.71W–.05 10 3.5L,3.4
NEIC IX 13 20 27 52.1 38.79N 122.76W 3 3.6W,3.4
ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=15.2km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.3km az=150.4.
NEIC Event type se. After NCEDC. Moment Tensor Solution. $M_0$2.90000×10^{14}
ISC IX 15 01 34 47.0–.49 38.75N–.03 122.77W–.06 10 31 0-18
ISCJB IX 15 01 34 46.3–.49 38.73N–.03 122.77W–.06 10 **¶11910302**
NEIC IX 15 01 34 46.3 38.79N 122.77W 3 3.5W
IDC IX 15 01 34 50.5–4.7 38.82N 122.55W 20–21 3.5L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.0km az=148.4.
NEIC Event type se. After NCEDC. Moment Tensor Solution. $M_0$2.40000×10^{14}
IDC Error ellipse: s-maj=45.3km s-min=15.9km az=44.0.
ISC XI 12 11 10 59.6–.48 38.87N–.04 122.82W–.05 10 26 0-18
IDC XI 12 11 10 52.8–4.0 37.99N 123.29W 0 3.5L,3.4 **¶11434447**
ISCJB XI 12 11 10 58.8–.48 38.85N–.04 122.81W–.05 10 3.5L,3.4
NEIC XI 12 11 10 58.9 38.86N 122.84W 2 3.5W,3.4
ISC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=37.4km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.9km az=140.6.
NEIC Event type se. After NCEDC. Moment Tensor Solution. $M_0$2.10000×10^{14}
ISC XII 01 19 41 32.3–.89 38.75N–.05 122.9W–.10 12–9 23 0-18
ISCJB XII 01 19 41 31.2–.67 38.72N–.05 122.92W–.10 10 **¶11484427**
IDC XII 01 19 41 31.1–3.5 38.85N 123.01W 0 3.8,3.6L
NEIC XII 01 19 41 31.8 38.82N 122.81W 4 3.3L,3.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=5.6km az=153.9.
IDC Error ellipse: s-maj=46.0km s-min=27.4km az=23.0.
NEIC Event type fe. Felt at Calistoga, Glen Ellen and Saint Helena. After NCEDC.
ISC XII 26 12 19 41.8–.21 39.88N–.02 120.93W–.02 10 4.2b,3.9s 147 1-94
IDC XII 26 12 19 39.8–1.2 40.08N 120.79W 0 4.4,4.2b **¶11519281**
ISCJB XII 26 12 19 40.3–.22 39.91N–.02 120.88W–.03 10 4.2b,3.9s
NEIC XII 26 12 19 40.0 39.96N 120.87W 0 4.5b,4.5W
BJI XII 26 12 19 40.0 40.00N 120.90W 13 5.2b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=35.6km s-min=13.7km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.6km az=141.6.
NEIC Event type fe. Felt [III] at Blairsden-Graeagle, Camptonville, Greenville, Janesville, Meadow Valley, Quincy and Taylorsville; [II] at Alta, Auburn, Beckwourth, Berry Creek, Brownsville, Camino, Chester, Chico, Clio, Colfax, Folsom, Forest Ranch, Foresthill, Grass Valley, Magalia, Marysville, Meadow Vista, Milford, Mineral, Nevada City, North San Juan, Oregon House, Oroville, Paradise, Penn Valley, Pollock Pines, Portola, Rancho Cordova, Rough and Ready, Sacramento, Soda Springs, Standish, Strawberry Valley, Susanville, Truckee, Westwood and Yuba City. Felt widely in Butte, El Dorado, Lassen, Nevada, Placer, Plumas, Sacramento, Sierra, Sutter, Tehama and Yuba Counties. Also felt [II] at Reno and Sparks, Nevada. After NCEDC. Moment Tensor Solution. $M_0$6.10000×10^{15}

(37) Nevada.

ISC VII 30 21 32 09.0–.32 39.39N–.01 116.80W–.02 3–2 175 0-6
ISCJB VII 30 21 32 09.4–.23 39.40N–.01 116.72W–.02 10 **¶11812964**
NEIC VII 30 21 32 09.0 39.36N 116.83W 10 3.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=11.4.
NEIC Event type fe. Felt at Austin. After REN.
ISC VIII 03 18 20 35.2–.45 38.57N–.02 117.76W–.02 1–3 75 1-4
ISCJB VIII 03 18 20 35.7–.35 38.56N–.02 117.75W–.03 10 **¶12064484**
NEIC VIII 03 18 20 36.1 38.55N 117.75W 14 2.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.3km az=17.6.
NEIC Event type se. After REN.
NEIC X 27 05 41 46.6 39.45N 119.42W 9 3.5L
¶13398219
NEIC Event type se. After REN.

(39) Central California.

ISC VII 06 20 25 54.0–1.0 35.65N–.03 120.68W–.05 12–6 36 1-4
ISCJB VII 06 20 25 53.2–.99 35.65N–.03 120.70W–.05 8–6 **¶11810823**
NEIC VII 06 20 25 54.5 35.64N 120.76W 6 3.7W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.9km az=145.6.
NEIC Event type fe. Felt at Paso Robles. After NCEDC. Moment Tensor Solution. $M_0$4.00000×10^{14}
ISC VII 15 10 35 43.7–.56 35.45N–.02 119.13W–.03 17–3 73 0-6
ISCJB VII 15 10 35 43.8–.39 35.46N–.02 119.11W–.03 26–3 **¶11811645**
NEIC VII 15 10 35 44.0 35.49N 119.11W 24 3.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.0km az=165.2.
NEIC Event type se. After PAS.
NEIC VIII 28 13 38 03.9 35.83N 121.31W 11 3.6L
¶11232355
NEIC Event type se. After NCEDC.
ISC IX 06 04 00 15.1–.50 37.78N–.03 121.98W–.03 4–4 3.3s 90 0-101
BJI IX 06 04 00 12.2 37.90N 122.00W 15 5.0b,5.0b **¶11277437**
ISCJB IX 06 04 00 14.1–.56 37.77N–.03 122.02W–.03 8–4 3.3s,5.0b
NEIC IX 06 04 00 15.3 37.87N 122.00W 16 4.1W,5.0b
IDC IX 06 04 00 16.1–2.5 38.02N 121.88W 0 3.9,3.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.6km az=36.1.

NEIC Event type fe. Felt [V] at Alamo; [IV] at Berkeley, Castro Valley, Concord, Danville, Diablo, Dublin, Hayward, Lafayette, Moraga, Oakland, Orinda, Pleasant Hill, San Francisco, San Leandro, San Ramon and Walnut Creek; [III] at Alameda, Albany, Antioch, Aptos, Belmont, Belvedere Tiburon, Benicia, Bolinas, Brentwood, Brisbane, Burlingame, Bryon, Campbell, Clayton, Corte Madera, Crockett, Daly City, El Cerrito, El Sobrante, Emeryville, Fairfax, Fairfield, Felton, Fremont, Greenbrae, Half Moon Bay, Hercules, La Honda, Livermore, Lodi, Manteca, Martinez, Mill Valley, Millbrae, Moss Beach, Novato, Oakley, Pacifica, Palo Alto, Pinole, Pittsburg, Placerville, Pleasanton, Redwood City, Richmond, San Anselmo, San Bruno, San Carlos, San Jose, San Lorenzo, San Mateo, San Pablo, Santa Clara, Sausalito, Sonoma, Stockton, Sunol, Tracy and Union City. Felt as far north as Santa Rosa and Sacramento, as far east as Modesto and as far south as Watsonville. After NCEDC. Moment Tensor Solution. $M_0$1.50000×10^{15}

IDC Error ellipse: s-maj=36.5km s-min=12.8km az=38.0.

ISC	**IX**	**18 17 32 08.6–.47**	**35.20N–.02**	**119.41W–.03**	**14–4**		**38**	**0-4**
ISCJB	IX	18 17 32 08.8–.39	35.20N–.02	119.43W–.03	24–5			**¶11279507**
NEIC	IX	18 17 32 09.2	35.19N	119.43W	19	3.3L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.7km az=3.2.

NEIC Event type fe. Felt [III] at Taft. Also felt at Bakersfield, Mettler and Tupman. After PAS.

ISC	**X**	**03 00 01 21.8–.46**	**35.06N–.02**	**119.14W–.02**	**17–3**		**56**	**0-4**
ISCJB	X	03 00 01 22.1–.33	35.06N–.02	119.14W–.02	27–3			**¶12065746**
NEIC	X	03 00 01 22.8	35.06N	119.12W	18	3.1L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=171.6.

NEIC Event type fe. Felt in the Arvin-Wheeler Ridge area. After PAS.

ISC	**X**	**19 04 07 06.8–.34**	**35.91N–.02**	**116.73W–.02**	**3–3**		**60**	**0-6**
ISCJB	X	19 04 07 05.8–.33	35.97N–.02	116.69W–.02	10			**¶12069018**
NEIC	X	19 04 07 08.0	35.89N	116.76W	4	3.0L		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.7km az=147.2.

NEIC Event type se. After PAS.

ISC	**X**	**24 23 35 49.5–.26**	**35.93N–.02**	**116.76W–.02**	**10**		**82**	**0-5**
ISCJB	X	24 23 35 49.7–.31	35.93N–.02	116.77W–.02	10			**¶12071037**
NEIC	X	24 23 35 49.8	35.90N	116.76W	2	3.2L		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=2.2km az=12.1.

NEIC Event type se. After PAS.

NEIC	**XI**	**17 14 27 28.9**	**36.01N**	**120.88W**	**12**	**3.3W**		
								¶11456734

NEIC Event type se. After NCEDC. Moment Tensor Solution. $M_0$1.30000×10^{14}

NEIC	**XI**	**23 14 44 05.1**	**35.83N**	**120.38W**	**7**	**3.5L**		
								¶13400952

NEIC Event type se. After NCEDC.

ISC	**XI**	**25 04 11 36.2–.17**	**36.00N–.01**	**117.30W–.01**	**10**	**2.8s**	**163**	**0-30**
ISCJB	XI	25 04 11 34.6–.20	36.07N–.01	117.25W–.02	10	2.8s		**¶11474932**
IDC	XI	25 04 11 36.0–1.9	35.92N	117.29W	0	3.5b,3.5		
NEIC	XI	25 04 11 36.2	35.97N	117.33W	1	3.9L,3.5		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.8km az=144.5.

IDC Error ellipse: s-maj=27.5km s-min=10.4km az=53.0.

NEIC Event type fe. Felt [II] at Trona. After PAS.

ISC	**XI**	**27 01 11 16.8–.31**	**36.80N–.02**	**118.46W–.02**	**10**		**58**	**0-4**
ISCJB	XI	27 01 11 16.1–.31	36.81N–.02	118.44W–.02	10			**¶11479736**
NEIC	XI	27 01 11 16.5	36.81N	118.47W	6	2.9L		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.5km az=3.4.

NEIC Event type se. After PAS.

ISC	**XI**	**29 21 14 09.6–.28**	**35.96N–.02**	**117.34W–.02**	**10**		**55**	**1-97**
BJI	XI	29 21 14 07.0	36.00N	117.30W	10	5.3b,4.9b		**¶11482946**
ISCJB	XI	29 21 14 08.5–.32	35.97N–.02	117.33W–.03	10	5.3b,4.9b		
NEIC	XI	29 21 14 09.1	35.97N	117.33W	1	4.1W,4.9b		
IDC	XI	29 21 14 10.1–1.9	36.00N	117.28W	0	3.5,3.4		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=18.9.

NEIC Event type fe. Felt [II] at Trona. After PAS.

IDC Error ellipse: s-maj=26.3km s-min=10.2km az=50.0.

ISC	**XI**	**30 13 03 07.2–.32**	**35.97N–.02**	**117.37W–.03**	**10**		**52**	**1-97**
BJI	XI	30 13 03 04.5	36.02N	117.54W	5	5.3b,5.2s		**¶11482983**
ISCJB	XI	30 13 03 06.0–.32	35.95N–.03	117.34W–.04	10	5.3b,5.2s		
IDC	XI	30 13 03 05.7–2.0	35.83N	117.40W	0	3.6,3.4		
NEIC	XI	30 13 03 07.3	35.97N	117.32W	4	4.0L,3.4		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=38.2.

IDC Error ellipse: s-maj=26.7km s-min=10.7km az=52.0.

NEIC Event type fe. Felt at Inyokern, Lancaster, Ridgecrest and Trona. After PAS.

ISC	**XII**	**02 11 23 43.7–.27**	**35.97N–.01**	**117.32W–.02**	**3–2**		**124**	**0-53**
ISCJB	XII	02 11 23 43.1–.20	36.01N–.01	117.28W–.02	10			**¶12075497**
IDC	XII	02 11 23 43.1–2.0	35.92N	117.31W	0	3.4,3.3		
NEIC	XII	02 11 23 44.1	35.98N	117.31W	3	3.8L,3.3		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.9km az=161.6.

IDC Error ellipse: s-maj=26.8km s-min=11.4km az=51.0.

NEIC Event type fe. Felt in the Trona area. After PAS.

ISC	**XII**	**02 16 41 19.1–.23**	**35.99N–.01**	**117.27W–.02**	**10**		**97**	**0-91**
ISCJB	XII	02 16 41 19.0–.25	35.97N–.02	117.28W–.02	10			**¶12075521**
NEIC	XII	02 16 41 19.5	35.97N	117.32W	2	3.7L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.1km az=19.1.

NEIC Event type fe. Felt in the Trona area. After PAS.

ISC	**XII**	**02 16 53 09.0–.21**	**35.98N–.01**	**117.29W–.02**	**10**		**111**	**0-97**
ISCJB	XII	02 16 53 08.6–.23	35.96N–.02	117.27W–.02	10			**¶12075522**
BJI	XII	02 16 53 09.9	35.93N	118.08W	12	5.1s,4.9b		
NEIC	XII	02 16 53 09.1	35.97N	117.32W	4	4.0L,4.9b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.2km az=3.4.

NEIC Event type fe. Felt at Ridgecrest and Trona. After PAS.

NEIC	**XII**	**09 16 25 46.6**	**37.48N**	**121.81W**	**6**	**3.5L**		
								¶12076569

NEIC Event type fe. Felt [III] at Santa Clara and [II] at Fremont, Milpitas, Pleasanton and San Jose. Also felt at Campbell, Half Moon Bay, Hayward, Menlo Park, Modesto, Mountain View, San Francisco and San Ramon. After NCEDC.

ISC	**XII**	**13 17 16 46.4–.26**	**35.99N–.02**	**117.26W–.03**	**10**	**3.4b**	**76**	**1-97**
BJI	XII	13 17 16 44.0	36.00N	117.30W	5	5.1b,4.9s		**¶12077315**
ISCJB	XII	13 17 16 45.2–.28	36.04N–.02	117.23W–.03	10	3.2b,4.9s		
IDC	XII	13 17 16 46.2–1.8	35.92N	117.20W	0	3.6,3.5b		
NEIC	XII	13 17 16 46.5	35.97N	117.32W	0	4.0L,3.5b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.9km az=157.2.

IDC Error ellipse: s-maj=25.0km s-min=9.6km az=48.0.

NEIC Event type fe. Felt [II] at Trona. Felt at Inyokern, Ridgecrest and in the China Lake area. Also felt at Las Vegas, Nevada. After PAS.

ISC	**XII**	**21 17 35 36.4–.69**	**36.67N–.05**	**121.36W–.07**	**11–5**	**3.7b,3.4s**	**37**	**0-96**
BJI	XII	21 17 35 33.0	36.70N	121.30W	10	5.2b,5.0b		**¶11517291**
ISCJB	XII	21 17 35 35.5–.82	36.63N–.05	121.43W–.07	17–6	3.7b,3.4s		
NEIC	XII	21 17 35 36.6	36.68N	121.30W	7	4.0W,3.4s		
IDC	XII	21 17 35 37.9–1.7	36.54N	121.00W	0	3.7,3.6b		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=5.7km az=138.1.

NEIC Event type fe. Felt [III] at Castroville and Hollister; [II] at Aptos, Aromas, Ben Lomond, Boulder Creek, Campbell, Capitola, Carmel, Carmel Valley, Felton, Gilroy, Half Moon Bay, Los Gatos, Marina, Monterey, Morgan Hill, Mountain View, Salinas, San Francisco, San Jose, San Juan Bautista, San Mateo, Santa Clara, Santa Cruz, Scotts Valley, Seaside, Soledad, Soquel, Spreckels, Sunnyvale and Watsonville. Also felt at Alviso, Auburn, Carmel by the Sea, Chualar, Cupertino, Fremont, La Honda, Milpitas, Montague, Moss Landing, Mount Hermon, Oakland, Palo Alto, Pebble Beach, Redwood City, San Martin, Saratoga and Tres Pinos. After NCEDC. Moment Tensor Solution. $M_0$1.30000×10^{15}

IDC Error ellipse: s-maj=27.0km s-min=18.7km az=158.0.

NEIC	**XII**	**21 20 09 33.2**	**36.68N**	**121.30W**	**6**	**3.6W**		
								¶11517301

NEIC Event type fe. Felt at Hollister and Salinas. After NCEDC. Moment Tensor Solution. $M_0$2.90000×10^{14}

NEIC	**XII**	**22 18 15 56.8**	**36.69N**	**121.30W**	**2**	**3.6L**		
								¶11517536

NEIC Event type se. After NCEDC.

(40) California-Nevada border region.

NEIC	**VIII**	**04 20 03 24.5**	**37.33N**	**118.74W**	**18**	**3.7L**		
								¶12064498

NEIC Event type se. After NCEDC.

ISC	**VIII**	**19 10 59 48.0–.52**	**37.37N–.02**	**118.70W–.03**	**4–4**		**43**	**0-4**
NEIC	VIII	19 10 59 47.9	37.39N	118.68W	15	3.1L		**¶12064725**

ISC Event type se.

NEIC Event type se. After NCEDC.

ISC	**XII**	**02 12 27 34.7–.33**	**36.01N–.01**	**117.29W–.02**	**1–3**		**102**	**0-5**
ISCJB	XII	02 12 27 34.6–.23	36.04N–.01	117.27W–.02	10			**¶12075500**
NEIC	XII	02 12 27 35.1	35.99N	117.30W	3	3.4L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.9km az=144.0.

NEIC Event type fe. Felt in the Trona area. After PAS.

(41) Southern Nevada.

ISC	**VII**	**08 17 50 54.2–.23**	**37.46N–.01**	**114.60W–.02**	**10**		**89**	**0-5**
ISCJB	VII	08 17 50 54.5–.25	37.46N–.02	114.60W–.02	10			**¶11810999**
NEIC	VII	08 17 50 54.5	37.45N	114.59W	2	3.5L		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=2.4km s-min=2.0km az=44.2.

NEIC Event type se. After REN.

ISC	**IX**	**18 03 36 37.8–.36**	**37.31N–.02**	**115.48W–.02**	**10**		**58**	**1-3**
NEIC	IX	18 03 36 37.0	37.31N	115.45W	0	2.7L		**¶12065421**
ISCJB	IX	18 03 36 38.1–.39	37.31N–.02	115.48W–.02	10	2.7L		

ISC Event type se.

NEIC Event type se. After REN.

ISCJB Event type se.

ISC	**X**	**02 22 55 09.9–.21**	**37.33N–.01**	**114.54W–.02**	**10**		**120**	**1-5**
ISCJB	X	02 22 55 08.8–.24	37.39N–.01	114.57W–.02	10			**¶12065742**
NEIC	X	02 22 55 09.2	37.31N	114.54W	0	3.4L		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=2.4km s-min=1.6km az=31.9.

NEIC Event type se. After REN.

ISC	**X**	**11 08 16 18.0–.27**	**37.02N–.02**	**115.09W–.02**	**10**		**65**	**0-6**
ISCJB	X	11 08 16 16.8–.31	37.09N–.02	115.14W–.02	10			**¶12066572**
NEIC	X	11 08 16 17.5	37.05N	115.14W	0	3.3L		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.5km az=136.9.

NEIC Event type se. After REN.

ISC	**X**	**18 02 27 37.2–.18**	**36.25N–.01**	**114.59W–.02**	**10**		**161**	**1-8**
NEIC	X	18 02 27 37.9	36.18N	114.52W	0	4.0L,3.4W		**¶11359800**

ISC Event type fe.

NEIC Event type fe. Felt [II] at Boulder City. After REN. Moment Tensor Solution. $M_0$1.60000×10^{14}

ISC	**X**	**26 15 53 25.5–.23**	**36.16N–.02**	**114.54W–.02**	**10**		**84**	**1-7**
ISCJB	X	26 15 53 25.2–.24	36.14N–.02	114.56W–.02	10			**¶11362761**
NEIC	X	26 15 53 25.6	36.27N	114.55W	10	3.7L		

ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=148.9.

NEIC Event type fe. Felt at Boulder City, Henderson and Las Vegas. After REN.

ISC	**X**	**26 19 47 47.8–.21**	**36.21N–.02**	**114.51W–.02**	**10**		**114**	**0-11**
ISCJB	X	26 19 47 47.9–.25	36.16N–.02	114.52W–.02	10			**¶11362766**
NEIC	X	26 19 47 48.4	36.24N	114.55W	11	3.8L		
IDC	X	26 19 47 49.6–1.1	36.22N	114.56W	0	3.4,3.3		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.2km az=44.5.

NEIC Event type se. After REN.

IDC Error ellipse: s-maj=19.3km s-min=8.5km az=29.0.

(43) Southern California.

ISC	**VII**	**06 20 26 33.0–.28**	**34.84N–.01**	**116.33W–.02**	**10–2**		**76**	**0-4**
ISCJB	VII	06 20 26 32.3–.31	34.83N–.02	116.31W–.02	7–2			**¶12064041**

ISC Event type ke.

ISCJB Event type ke.

ISC	**VII**	**29 18 42 16.1–.11**	**33.83N–.01**	**117.87W–.01**	**16**	**5.3b,5.3s**	**1221**	**0-153**
BGS	VII	29 18 42 09.6–2.7	31.81N	115.73W	15–0	5.6s,5.2b		**¶12951737**
BJI	VII	29 18 42 11.6	33.97N	117.90W	3	5.7b,5.4s		
ECX	VII	29 18 42 13.0–.78	34.00N	117.82W	7–0	5.7L,5.5		
ISCJB	VII	29 18 42 14.6–.10	33.859N–.01	117.81W–.01	15	5.3b,5.3s		
NEIC	VII	29 18 42 15.7	33.95N	117.76W	15	5.5s,5.5b		
IDC	VII	29 18 42 16.0–.54	33.94N	117.82W	15–2	5.1s,5.1		
MOS	VII	29 18 42 15.0–.83	33.95N	117.85W	18	5.6b,5.4s		
SZGRF	VII	29 18 42 16.0	34.01N	118.75W	16	5.6s,5.3b		
DJA	VII	29 18 42 18	34.50N	118.29W	10	5.7b,5.3b		
GCMT	VII	29 18 42 19.5–.20	33.93N	117.84W	20	5.5W,5.3b		

ISC Event type de.

BGS Error ellipse: s-maj=915.4km s-min=999.9km az=-1.0.

ECX Error ellipse: s-maj=8.5km s-min=11.8km az=-1.0.

ISCJB Event type de. Error ellipse: s-maj=1.5km s-min=1.1km az=34.4.

NEIC Event type de. Three people injured at Brea and five people injured in the Wilshire District of Los Angeles. Minor damage to windows and brick walls at Los Angeles and Topanga. Felt [VI] at Anaheim, Artesia, Brea, Chino, Chino Hills, Covina, Diamond Bar, Fullerton, La Puente, Los Alamitos, Montclair, Pomona, Placentia, San Dimas, Walnut, West Covina, Whittier and Yorba Linda; [V] at Alhambra, Azusa, Baldwin Park, Bell, Bellflower, Buena Park, Canoga Park, Cerritos, Claremont, Corona, Cypress, Downey, El Monte, Garden Grove, Glendora, Hacienda Heights, Hawaiian Gardens, La Habra, Lakewood, La Mirada, La Palma, La Verne, Lynwood, Maywood, Mira Loma, Montrose, Mount Baldy, North Hollywood, Northridge, Norwalk, Ontario, Panorama City, Paramount, Pico Rivera, Rancho Cucamonga, Reseda, Rosemead, Rowland Heights, San Gabriel, Santa Fe Springs, Seal Beach, South El Monte, South Gate, South Pasadena, Stanton, Upland, Villa Park, Winnetka and Woodland Hills. Felt [IV] in much of the surrounding Los Angeles basin and in much of southern California. Felt [III] at Las Vegas and [II] at North Las Vegas and Pahrump, Nevada. Also felt at Henderson. Felt at Bullhead City, Flagstaff, Kingman, Mesa, Phoenix and Yuma, Arizona. Also felt at Tijuana, Baja California. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. After PAS. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s295.00000°,δ67.00000°,λ110.00000°. NP2: ϕ_s72.00000°,δ30.00000°,λ51.00000°. Principal axes: T Plg63.0000°,Azm237.0000° ; N Plg0.0000°,Azm0.0000°; P Plg20.0000°,Azm10.0000° Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s286.00000°,δ72.00000°,λ137.00000°. NP2:ϕ_s32.00000° ,δ50.00000°,λ24.00000°. Principal axes: T 1.4000,Plg42.0000°,Azm240.0000° ; N -0.1700,Plg44.0000°,Azm87.0000°; P -1.2200,Plg13.0000°,Azm343.0000° $M_0$1.30000×10^{17} Moment Tensor Solution. $M_0$1.50000×10^{17} Moment Tensor Solution. $M_0$1.30000×10^{17}

IDC Error ellipse: s-maj=15.2km s-min=8.3km az=52.0.

MOS Error ellipse: s-maj=5.1km s-min=3.3km az=73.3.

SZGRF Southern California, United States.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 94, comp=193, per= 50. Moment Tensor Solution. s73,c137; s18,c22; Moment tensor: Scale 10^{17}Nm; M_{rr}0.92±.03 $M_{\theta\theta}$-1.87±.03; $M_{\phi\phi}$0.95±.03; $M_{r\theta}$-0.49±.05; $M_{\theta\phi}$-0.51±.02; $M_{\phi r}$0.84±.05; Best double couple: NP1:ϕ_s44.00000°,δ55.00000°,λ29.00000°. NP2:ϕ_s296.00000°,δ67.00000°,λ141.00000°. Principal axes: T 1.9100,Plg43.0000°,Azm255.0000°; N 0.1000,Plg46.0000°,Azm90.0000° ; P -2.0000,Plg7.0000°,Azm352.0000° $M_0$2.00000×10^{17}

ISC	**VII**	**29 18 51 51.6–.33**	**33.93N–.02**	**117.83W–.02**	**14–2**		**83**	**0-9**
ISCJB	VII	29 18 51 51.3–.45	33.95N–.02	117.81W–.02	13–3			**¶11812864**
NEIC	VII	29 18 51 52.3	33.95N	117.80W	16	3.8L		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=2.4km az=30.2.

NEIC Event type se. After PAS.

ISC	**VII**	**29 20 40 40.5–.33**	**33.89N–.02**	**117.78W–.02**	**10–2**		**96**	**0-6**
ISCJB	VII	29 20 40 41.0–.39	33.90N–.02	117.77W–.02	8–3			**¶11153945**
NEIC	VII	29 20 40 41.5	33.94N	117.74W	15	3.6L		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.0km az=36.2.

NEIC Event type se. After PAS.

ISC	**X**	**02 09 41 48.3–.29**	**34.06N–.01**	**116.98W–.01**	**6–2**	**4.0b,3.9s**	**203**	**0-146**
IDC	X	02 09 41 46.8–1.2	33.98N	117.04W	0	3.8,3.7		**¶11326337**

ISCJB X 02 09 41 47.5–.36 34.06N–.01 116.94W–.01 8–3 4.0b,3.9s
BJI X 02 09 41 47.7 33.97N 117.88W 11 5.0b,4.9b
NEIC X 02 09 41 49.3 34.08N 116.97W 12 4.1L,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=26.5km s-min=11.3km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=18.2.
NEIC Event type fe. Felt [V] at Angelus Oaks and [IV] at Banning, Big Bear City, Big Bear Lake, Calimesa, Cedarpines Park, Forest Falls, Hemet, Hesperia, Irvine, Lake Arrowhead, Mentone, Running Springs, San Jacinto, Trabuco Canyon and Yucaipa. Felt widely from Victorville in the north to Temecula in the south and from Irvine in the west to Indio in the east. After PAS.

ISC X 30 03 49 45.4–.45 33.08N–.02 115.84W–.03 2–4 35 0-5
ISCJB X 30 03 49 44.6–.48 33.10N–.02 115.82W–.04 3–4 **¶13398601**
NEIC X 30 03 49 45.4 33.06N 115.90W 1 3.6L
ECX X 30 03 49 45.9–.79 33.06N 115.86W 2–0 3.8L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.6km az=176.1.
NEIC Event type fe. Felt in the Ocotillo Wells area. After PAS.
ECX Error ellipse: s-maj=1.7km s-min=2.9km az=-1.0.

ISC X 30 03 52 43.1–.44 33.07N–.02 115.91W–.04 10 28 0-3
ISCJB X 30 03 52 42.6–.46 33.09N–.03 115.90W–.04 10 **¶13398602**
NEIC X 30 03 52 43.2 33.05N 115.90W 2 3.5L
ECX X 30 03 52 43.6–.56 33.08N 115.92W 4–0 3.8L,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.7km az=175.2.
NEIC Event type fe. Felt in the Ocotillo Wells area. After PAS.
ECX Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0.

ISC X 30 06 49 38.1–.43 33.07N–.02 115.90W–.03 4–4 42 0-5
ISCJB X 30 06 49 37.2–.44 33.10N–.02 115.87W–.03 5–4 **¶11379107**
NEIC X 30 06 49 38.4 33.06N 115.91W 2 3.3L
ECX X 30 06 49 38.8–.68 33.07N 115.91W 3–0 3.3,3.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.4km az=8.3.
NEIC Event type fe. Felt in the Ocotillo Wells area. After PAS.
ECX Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

NEIC XI 03 03 15 51.7 33.06N 116.04W 11 2.7L
¶13399064
NEIC Event type fe. Felt at Ocotillo Wells. After PAS.

ISC XI 15 09 52 51.1–.31 34.43N–.02 119.01W–.02 26–3 70 0-5
ISCJB XI 15 09 52 50.9–.30 34.43N–.02 119.01W–.02 31–3 **¶11473034**
NEIC XI 15 09 52 51.0 34.45N 119.01W 27 3.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=141.2.
NEIC Event type fe. Felt [III] at Camarillo; [II] at Fillmore and Newbury Park. Also felt at Agoura Hills, Los Angeles, Moorpark, Ojai, Santa Clarita, Santa Paula, Simi Valley, Thousand Oaks, Ventura, West Hills, Westlake Village and Woodland Hills. After PAS.

ISC XI 17 12 35 41.3–.33 33.46N–.02 116.89W–.01 8–2 195 0-100
ISCJB XI 17 12 35 40.2–.45 33.41N–.02 116.85W–.01 11–3 **¶11456726**
BJI XI 17 12 35 40.0 33.50N 116.90W 12 5.8b,5.2s
IDC XI 17 12 35 41.9–2.2 33.52N 116.68W 0 3.4,3.4
NEIC XI 17 12 35 42.0 33.50N 116.86W 12 4.1L,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.8km az=20.1.
IDC Error ellipse: s-maj=32.7km s-min=13.7km az=45.0.
NEIC Event type fe. Felt [IV] at Aguanga, Homeland, Julian and Pala; [III] at Aliso Viejo, Anza, Bonsall, Cathedral City, Coronado, Del Mar, Desert Hot Springs, El Cajon, Escondido, Fallbrook, Hemet, Idyllwild, Indian Wells, Indio, La Mesa, La Quinta, Lake Elsinore, Menifee, Moreno Valley, Murrieta, Nuevo, Oceanside, Palm Desert, Palm Springs, Pauma Valley, Perris, Poway, Ramona, Rancho Mirage, Rancho Santa Fe, Riverside, San Diego, San Jacinto, San Marcos, Santee, Spring Valley, Sun City, Temecula, Thousand Palms, Valley Center, Vista, Wildomar, Winchester and Yucca Valley; [II] at Alpine, Borrego Springs, Cardiff by the Sea, Carlsbad, Encinitas, La Jolla, Lakeside, Loma Linda, Mountain Center and Solana Beach. Also felt at Beaumont, Calimesa, Camp Pendleton, Chino Hills, Chula Vista, Colton, Corona, Costa Mesa, Fontana, Glendora, Hermosa Beach, Irvine, Ladera Ranch, Laguna Beach, Lake Forest, Lake Hughes, Landers, Lemon Grove, Midway City, Mission Viejo, Morongo Valley, Pine Valley, Pomona, Rancho Cucamonga, Rancho Santa Margarita, Redlands, Rialto, Santa Ysabel, Trabuco Canyon, Twentynine Palms and Warner Springs. After PAS.

ISC XI 17 17 41 35.8–.32 33.47N–.02 116.89W–.02 5–3 115 0-94
ISCJB XI 17 17 41 35.1–.42 33.46N–.02 116.86W–.02 6–3 **¶11456742**
NEIC XI 17 17 41 37.1 33.50N 116.86W 12 3.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=19.5.
NEIC Event type fe. Felt [III] at Aguanga, Anza, Hemet, Homeland, Pauma Valley, Perris, San Diego, San Jacinto, Sun City, Vista and Winchester; [II] at Bonsall, Cathedral City, Colton, Corona, Escondido, Fallbrook, Idyllwild, Lake Elsinore, Lakeside, Menifee, Moreno Valley, Murrieta, Nuevo, Oceanside, Palm Desert, Palm Springs, Poway, Ramona, Rancho Mirage, Redlands, Riverside, San Marcos, Santee, Temecula, Valley Center and Wildomar. After PAS.

ISC XII 06 04 18 43.4–.10 34.716N–.01 116.45W–.01 10 4.8b,4.6s 930 0-147
BJI XII 06 04 18 37.9 33.82N 117.05W 10 5.5b,5.2s **¶11493244**
ISCJB XII 06 04 18 41.8–.10 34.766N–.01 116.38W–.01 10 4.8b,4.6s
IDC XII 06 04 18 42.9–.57 34.92N 116.24W 0 4.6,4.6
NEIC XII 06 04 18 42.9 34.81N 116.42W 7 5.1W,5.0b
MOS XII 06 04 18 42.2–1.1 34.79N 116.40W 11 5.0b,5.0b
GCMT XII 06 04 18 45.5–.20 34.83N 116.39W 12 5.1W,5.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.4km s-min=1.2km az=32.6.
IDC Error ellipse: s-maj=14.8km s-min=8.2km az=53.0.
NEIC Event type fe. Felt [IV] at Newberry Springs and [III] at Acton, Adelanto, Angelus Oaks, Apple Valley, Beverly Hills, Big Bear Lake, Blue Jay, Buena Park, Culver City, Fontana, Fort Irwin, Hesperia, Huntington Beach, Irvine, Joshua Tree, Lake Arrowhead, Landers, Littlerock, Los Angeles, Lucerne Valley, Morongo Valley, Phelan, San Diego, Thousand Palms, Twentynine Palms, Valley Village, Victorville and Whittier. Also felt [III] at Lake Havasu City, Arizona and at Las Vegas, Nevada. Felt from Camarillo, California to Kingman, Arizona and from Pahrump, Nevada and Ridgecrest, California as far south as El Centro and San Diego. Preliminary studies indicate that this earthquake is associated with the Lavic Lake Fault and it is considered to be an aftershock of the Hector Mine earthquake of 16 October 1999. After PAS. Moment Tensor Solution. $M_0$4.90000×10^{16} Moment Tensor Solution. $M_0$4.10000×10^{16}
MOS Error ellipse: s-maj=5.1km s-min=4.0km az=89.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s51,c79; s98,c172; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.32±.12 $M_{\theta\theta}$-3.31±.12; $M_{\phi\phi}$3.63±.12; $M_{r\theta}$-0.50±.31; $M_{\theta\phi}$5.02±.10; $M_{\phi r}$-1.00±.33; Best double couple: NP1:ϕ_s253.00000°,δ83.00000°,λ6.00000°. NP2:ϕ_s162.00000°,δ84.00000°,λ173.00000°. Principal axes: T 6.4500,Plg9.0000° ,Azm118.0000°; N -0.5100,Plg81.0000°,Azm299.0000°; P -5.9400,Plg0.0000° ,Azm208.0000° $M_0$6.20000×10^{16}

NEIC XII 07 15 39 01.7 33.87N 119.32W 12 3.5L
¶11493387
NEIC Event type se. After PAS.

ISC XII 10 00 29 25.6–.30 34.14N–.02 117.38W–.01 8–2 103 0-7
ISCJB XII 10 00 29 25.2–.41 34.14N–.02 117.37W–.01 8–3 **¶12076646**
NEIC XII 10 00 29 26.2 34.16N 117.38W 8 3.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.0km az=16.5.
NEIC Event type fe. Felt [III] at Fontana, Riverside and San Bernardino; [II] at Chino, Corona, Diamond Bar, Los Angeles, Ontario, Pomona, Rancho Cucamonga, Redlands, Rialto and Tujunga. Also felt at Apple Valley, Azusa, Bloomington, Blue Jay, Burbank, Chino Hills, Claremont, Colton, Compton, Covina, Crestline, Fullerton, Highland, Lake Arrowhead, Loma Linda, Los Alamitos, Mira Loma, Monterey Park, Moreno Valley, Palm Springs, Pasadena, Placentia, Sherman Oaks, Stanton, Torrance, Upland, West Covina, Wrightwood and Yucaipa. After PAS.

(45) California-Baja California border region.

ISC VII 01 00 53 24.6–.32 32.30N–.02 115.29W–.02 14–2 103 0-8
ISCJB VII 01 00 53 23.6–.38 32.33N–.02 115.26W–.02 8–3 **¶11799121**
ECX VII 01 00 53 25.9–.59 32.31N 115.30W 7–0 3.5,3.5L
NEIC VII 01 00 53 25.9 32.31N 115.30W 7 3.6L,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.3km az=176.3.
ECX Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
NEIC Event type se. After ECX.

ISC VII 09 03 01 27.1–.32 32.25N–.02 115.38W–.02 7–3 75 0-23
ISCJB VII 09 03 01 26.5–.41 32.26N–.02 115.29W–.02 12–3 **¶11811045**
ECX VII 09 03 01 28.2–.56 32.24N 115.32W 4–0 3.9L,3.8
NEIC VII 09 03 01 28.2 32.24N 115.32W 4 3.9L,3.7b
IDC VII 09 03 01 32.1–2.4 32.37N 114.78W 0 3.6L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=3.3km az=43.1.
ECX Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
NEIC Event type se. After ECX.
IDC Error ellipse: s-maj=37.0km s-min=11.7km az=46.0.

ECX VII 10 05 49 57.9–.58 32.32N 115.32W 5–0 3.4L,3.2
NEIC VII 10 05 49 57.9 32.32N 115.32W 5 3.4L,3.2L **¶11811153**
ECX Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
NEIC Event type se. After ECX.

ISC VII 11 13 28 30.2–.29 32.67N–.02 116.01W–.02 13–2 66 0-4
ISCJB VII 11 13 28 30.1–.31 32.68N–.02 116.01W–.02 12–2 **¶11811268**
NEIC VII 11 13 28 31.0 32.67N 116.04W 10 3.0L
ECX VII 11 13 28 31.4–.62 32.67N 116.03W 4–1 3.2L,3.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.8km az=141.5.
NEIC Event type fe. Felt at Ocotillo. After PAS.
ECX Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.

ISC VII 11 19 40 06.1–.39 32.34N–.02 115.30W–.02 12–3 63 0-8
ISCJB VII 11 19 40 05.2–.47 32.35N–.02 115.27W–.02 7–4 **¶11811286**
ECX VII 11 19 40 07.0–.72 32.35N 115.28W 6–7 3.7L,3.6
NEIC VII 11 19 40 07.0 32.35N 115.28W 6 3.3L,3.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=3.0km az=154.0.
ECX Error ellipse: s-maj=3.7km s-min=4.0km az=-1.0.
NEIC Event type se. After ECX.

ISC VII 24 08 57 59.4–.31 32.31N–.02 115.33W–.02 13–2 78 0-7
ISCJB VII 24 08 57 59.0–.40 32.33N–.02 115.31W–.02 10–3 **¶11812518**
ECX VII 24 08 58 00.6–.59 32.32N 115.37W 5–0 3.5L,3.4
NEIC VII 24 08 58 00.6 32.32N 115.37W 5 3.5L,3.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.5km az=177.7.
ECX Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0.
NEIC Event type se. After ECX.

ISC VII 26 00 53 01.9–.35 32.33N–.02 115.32W–.02 17–2 65 0-5
ISCJB VII 26 00 53 01.6–.41 32.34N–.02 115.29W–.02 13–3 **¶11812622**
ECX VII 26 00 53 03.5–.51 32.30N 115.33W 7–0 3.8L,3.6
NEIC VII 26 00 53 03.5 32.30N 115.33W 7 3.8L,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=3.0km az=4.9.
ECX Error ellipse: s-maj=0.9km s-min=1.8km az=-1.0.
NEIC Event type se. After ECX.

NEIC VII 27 03 00 29.0 32.25N 115.32W 16 3.2L,3.0L
ECX VII 27 03 00 30.0–.54 32.34N 115.28W 4–0 3.2L,3.1 **¶11812686**
NEIC Event type se. After PAS.
ECX Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.

ECX VII 27 10 13 46.7–.65 32.32N 115.31W 4–0 2.8L,2.7
NEIC VII 27 10 13 46.7 32.32N 115.31W 4 2.8L,2.7L **¶11812707**
ECX Error ellipse: s-maj=1.0km s-min=1.6km az=-1.0.
NEIC Event type se. After ECX.

ECX VII 30 01 55 47.1–.84 32.12N 115.80W 4–3 3.1L,3.0
NEIC VII 30 01 55 47.1 32.12N 115.80W 4 3.1L,3.0L **¶11812892**
ECX Error ellipse: s-maj=2.0km s-min=1.6km az=-1.0.
NEIC Event type se. After ECX.

ISC VIII 07 22 09 13.3–.52 32.35N–.03 115.29W–.04 15–3 33 0-4
ISCJB VIII 07 22 09 13.2–.50 32.36N–.03 115.26W–.04 20–4 **¶12099766**
NEIC VIII 07 22 09 14.7 32.33N 115.30W 8 3.3L,3.0L
ECX VIII 07 22 09 14.7–.67 32.33N 115.30W 8–0 3.3L,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.5km az=177.3.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0.

ISC VIII 16 04 31 49.7–.28 32.86N–.02 116.17W–.02 9–3 63 0-3
ISCJB VIII 16 04 31 49.8–.32 32.85N–.02 116.16W–.02 11–3 **¶12064677**
NEIC VIII 16 04 31 50.8 32.83N 116.18W 12 2.9L
ECX VIII 16 04 31 51.2–.55 32.83N 116.17W 4–0 2.9,2.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.7km az=157.9.
NEIC Event type fe. Felt in the Ocotillo area. After PAS.
ECX Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.

ISC VIII 28 02 22 49.4–.29 32.67N–.02 115.89W–.02 15–2 71 0-4
ISCJB VIII 28 02 22 49.2–.37 32.67N–.02 115.86W–.02 14–2 **¶12064958**
ECX VIII 28 02 22 50.8–.66 32.68N 115.92W 3–0 3.1L,3.0
NEIC VIII 28 02 22 50.5 32.67N 115.92W 4 3.1L,3.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.6km az=162.3.
ECX Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0.
NEIC Event type se. After PAS.

NEIC IX 05 21 54 32.4 32.37N 115.25W 6 4.8L,4.6L
BJI IX 05 21 54 31.4 32.40N 115.30W 6 5.0b,4.9b **¶11909559**
ECX IX 05 21 54 32.4–.23 32.36N 115.26W 6–0 4.9L,4.8
IDC IX 05 21 54 35.0–1.0 32.38N 115.09W 0 4.4L,4.3
NEIC Event type fe. Felt [III] at Brawley, Calexico, El Centro and Winterhaven; [II] at San Diego, California. Also felt at Heber, Holtville, Imperial and Lemon Grove. Felt [III] at Yuma, Arizona. Also felt at Somerton and Tonopah. After ECX.
ECX Error ellipse: s-maj=3.9km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=13.3km az=39.0.

ISC IX 11 14 52 25.8–.29 32.72N–.02 116.03W–.02 12–2 64 0-4
ISCJB IX 11 14 52 25.7–.32 32.72N–.02 116.03W–.02 12–2 **¶11265505**
NEIC IX 11 14 52 26.6 32.70N 116.07W 10 3.5L,3.4L
ECX IX 11 14 52 27.0–.67 32.70N 116.05W 3–1 3.5L,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=3.1km az=11.1.
NEIC Event type fe. Felt at Ocotillo. After PAS.
ECX Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0. Moment Tensor Solution. NP1: ϕ_s245.00000°,δ65.00000°,λ-90.00000°.

ISC IX 19 21 38 27.3–.50 32.97N–.03 115.85W–.04 14–5 22 0-3
ISCJB IX 19 21 38 26.6–.50 33.00N–.03 115.85W–.04 11–6 **¶12952097**
NEIC IX 19 21 38 28.9 32.92N 115.88W 7 3.1L
ECX IX 19 21 38 29.1–.64 32.91N 115.87W 4–2 3.1L,3.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.5km az=173.2.
NEIC Event type fe. Felt in the Ocotillo area. After PAS.
ECX Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0.

ISC X 10 18 04 00.2–.31 32.71N–.02 115.88W–.02 10–2 82 0-4
ISCJB X 10 18 03 59.8–.34 32.71N–.02 115.86W–.02 9–2 **¶11344606**
NEIC X 10 18 04 00.9 32.67N 115.94W 8 3.6L,3.3L
ECX X 10 18 04 01.4–.90 32.71N 115.92W 3–0 3.6L,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.2km az=5.4.
NEIC Event type fe. Felt in the Ocotillo area. After PAS.
ECX Error ellipse: s-maj=1.8km s-min=1.9km az=-1.0.

ISC X 21 11 04 02.9–.44 32.28N–.02 115.32W–.03 0–6 42 0-6
ISCJB X 21 11 04 02.0–.46 32.31N–.02 115.31W–.03 2–5 **¶13397693**
NEIC X 21 11 04 04.2 32.30N 115.31W 4 3.5L,3.3L
ECX X 21 11 04 04.2–.69 32.30N 115.31W 4–0 3.5L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.5km az=18.9.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.

ISC X 30 14 43 51.3–.38 32.74N–.02 117.37W–.02 10 67 0-6
ISCJB X 30 14 43 51.1–.38 32.75N–.02 117.37W–.02 10 **¶12071632**
NEIC X 30 14 43 51.6 32.76N 117.35W 11 3.0L
ECX X 30 14 43 53.0–.58 32.79N 117.28W 7–0 3.2L,3.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=137.4.
NEIC Event type fe. Felt in the San Diego area. After PAS.

ECX Error ellipse: s-maj=1.2km s-min=3.7km az=-1.0.
ISC XI 01 05 12 19.1–.29 32.69N–.02 116.03W–.02 13–2 49 0-3
ISCJB XI 01 05 12 19.1–.32 32.69N–.02 116.01W–.02 11–2 ¶11380755
NEIC XI 01 05 12 19.9 32.65N 116.04W 8 2.8L
ECX XI 01 05 12 20.3–.71 32.68N 116.04W 4–1 2.9L,2.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=3.0km az=28.5.
NEIC Event type fe. Felt at Ocotillo. After PAS.
ECX Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
ISC XI 11 20 16 48.8–.55 32.38N–.03 115.28W–.04 12–4 25 0-4
ISCJB XI 11 20 16 48.7–.56 32.39N–.03 115.28W–.05 10–4 ¶13399861
NEIC XI 11 20 16 49.6 32.39N 115.24W 4 3.1L
ECX XI 11 20 16 49.6–.67 32.39N 115.24W 4–0 3.1L,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.6km az=179.4.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0.
ISC XI 20 00 18 36.2–.50 32.48N–.03 115.39W–.03 11–5 43 0-5
ISCJB XI 20 00 18 36.0–.74 32.49N–.04 115.36W–.03 13–6 ¶13400648
NEIC XI 20 00 18 35.0 32.37N 115.35W 6 3.8,3.7L
ECX XI 20 00 18 37.1–.62 32.45N 115.34W 4–0 3.8L,3.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.2km az=156.9.
NEIC Event type fe. Felt in the Calexico area, California. After PAS.
ECX Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
ISC XI 20 08 44 00.8–.37 32.44N–.02 115.32W–.02 16–2 89 0-7
ISCJB XI 20 08 44 00.6–.38 32.42N–.03 115.30W–.02 23–3 ¶11473104
NEIC XI 20 08 44 01.8 32.40N 115.36W 0 3.7L,3.4L
ECX XI 20 08 44 01.8–.71 32.40N 115.36W 10–0 3.7L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=2.1.
NEIC Event type fe. Felt at Mexicali. Also felt in the Calexico area, California. After ECX.
ECX Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.
ISC XI 20 19 23 01.4–.38 32.26N–.02 115.41W–.01 4–2 4.6b,4.2s 497 0-146
ECX XI 20 19 23 00.9–.36 32.39N 115.39W 9–0 5.3L,5.1 ¶11473125
ISCJB XI 20 19 23 00.7–.45 32.31N–.02 115.32W–.01 10–3 4.6b,4.2s
BJI XI 20 19 23 00.5 32.26N 116.28W 12 5.3s,5.1b
MOS XI 20 19 23 01.5–1.5 32.44N 115.37W 10 4.7b,5.1b
IDC XI 20 19 23 02.9–.88 32.49N 115.10W 0 4.2,4.2b
NEIC XI 20 19 23 03.3 32.41N 115.33W 4 5.3L,5.0L
ISC Event type fe.
ECX Error ellipse: s-maj=2.3km s-min=1.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.7km az=17.0.
MOS Error ellipse: s-maj=8.1km s-min=5.1km az=91.2.
IDC Error ellipse: s-maj=17.7km s-min=9.9km az=51.0.
NEIC Event type fe. Felt at Mexicali. Felt [IV] at Calexico, El Centro, Imperial, San Diego and Winterhaven; [III] at Brawley, Chula Vista, El Cajon, Lakeside and Santee; [II] at Aliso Viejo, Boulevard, Escondido, Holtville, La Jolla, La Mesa and Newport Beach, California. Also felt at Alpine, Blythe, Calipatria, Campo, Carlsbad, Downey, Encinitas, Fountain Valley, Heber, Indio, Irvine, Jacumba, Julian, Laguna Niguel, Lake Elsinore, Mission Viejo, Murrieta, Oceanside, Orange, Pine Valley, Poway, Ramona, Rancho Cucamonga, Riverside, San Dimas, San Jacinto, Solana Beach, Spring Valley, Temecula and Westmorland. Felt [III] at Somerton and Yuma, Arizona. Also felt at Cibola, Sierra Vista, Tucson and Wellton. After ECX. Moment Tensor Solution. $M_0$1.20000×10^{16}
ECX XI 20 20 43 26.3–.77 32.43N 115.35W 10–0 3.5L,3.3
NEIC XI 20 20 43 26.3 32.43N 115.33W 0 3.5L,3.3L ¶13400728
ECX Error ellipse: s-maj=2.5km s-min=3.5km az=-1.0.
NEIC Event type fe. Felt in the Calexico area, California. After ECX.
ISC XI 21 02 07 50.3–.31 32.45N–.02 115.34W–.02 19–2 85 0-7
NEIC XI 21 02 07 49.1 32.40N 115.40W 6 3.6L,3.4L ¶12074356
ECX XI 21 02 07 49.4–.25 32.41N 115.42W 6–0 3.6L,3.4
ISCJB XI 21 02 07 50.2–.29 32.43N–.02 115.32W–.02 27–2 3.6L,3.4
ISC Event type se.
NEIC Event type se. After ECX.
ISCJB Event type se.
NEIC XI 28 13 31 52.7 32.50N 115.33W 6 3.4L,2.9L
ECX XI 28 13 31 52.7–.56 32.50N 115.33W 6–0 3.3L,3.2 ¶13401373
NEIC Event type fe. Felt near Calexico, California. After ECX.
ECX Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
ECX XI 29 10 53 23.9–.61 32.44N 115.31W 6–0 3.2L,3.1
NEIC XI 29 10 53 23.2 32.45N 115.31W 15 3.3L,3.0L ¶13401467
ECX Error ellipse: s-maj=1.6km s-min=2.1km az=-1.0.
NEIC Event type fe. Felt near Calexico, California. After PAS.
ECX XII 14 04 43 55.7–.54 32.56N 115.53W 5–0 3.6L,3.3
NEIC XII 14 04 43 55.7 32.56N 115.53W 5 3.3L,3.3L ¶13402690
ECX Error ellipse: s-maj=1.5km s-min=2.0km az=-1.0.
NEIC Event type fe. Felt at Mexicali. After ECX.
ISC XII 14 08 41 26.3–.41 32.54N–.03 115.51W–.02 13–3 62 0-101
BJI XII 14 08 41 23.7 32.43N 116.00W 14 4.8b,4.8b ¶12077425
ISCJB XII 14 08 41 26.0–.39 32.56N–.03 115.47W–.03 24–4 4.8b,4.8b
IDC XII 14 08 41 25.7–3.4 32.64N 115.43W 0 3.7b,3.5
NEIC XII 14 08 41 26.0 32.51N 115.51W 19 4.1L,3.9L
ECX XII 14 08 41 27.7–.64 32.56N 115.53W 10–0 4.1,3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.4km az=157.9.
IDC Error ellipse: s-maj=51.2km s-min=13.4km az=41.0.
NEIC Event type fe. Felt [III] at Mexicali. Felt [II] at Calexico and El Centro, California. Also felt at Chula Vista, Imperial, Palm Springs, San Diego and Santee. Felt at Yuma, Arizona. After PAS.
ECX Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0.
ISC XII 25 15 16 08.1–.38 32.54N–.02 115.46W–.02 16–2 81 0-9
ISCJB XII 25 15 16 08.3–.40 32.54N–.02 115.45W–.02 23–4 ¶12078943
NEIC XII 25 15 16 10.1 32.56N 115.52W 10 3.6L,3.4L
ECX XII 25 15 16 10.1–.80 32.56N 115.52W 10–0 3.6L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.9km az=167.2.
NEIC Event type se. After ECX.
ECX Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0.
ISC XII 28 05 17 07.5–.43 32.56N–.03 115.52W–.02 15–3 4.4b,3.8s 65 0-102
BJI XII 28 05 17 03.9 32.47N 116.14W 12 5.3b,4.8b ¶11521251
IDC XII 28 05 17 06.0–1.9 32.22N 115.51W 0 4.0,3.9L
NEIC XII 28 05 17 07.0 32.57N 115.54W 10 4.5L,4.5L
ECX XII 28 05 17 08.9–.54 32.57N 115.53W 8–0 4.6W,4.5
ISC Event type fe.
IDC Error ellipse: s-maj=38.4km s-min=10.5km az=39.0.
NEIC Event type fe. Felt [V] at Mexicali. Also felt at Progreso. Felt [II] at San Luis Rio Colorado, Sonora. Felt [IV] at Calexico; [III] at El Centro, Heber, Holtville, Imperial and Lakeside; [II] at Brawley and San Diego, California. Felt in many parts of Orange, Riverside and San Diego Counties. Felt [II] at San Luis and Yuma, Arizona. Also felt at Somerton. After PAS. Moment Tensor Solution. $M_0$3.00000×10^{15}
ECX Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.

SEISMIC REGION 4.
Lower California and Gulf of California.

(48) Baja California.

ISC VII 18 10 05 08.6–3.2 24.1N–.30 112.7W–.10 10 3.6b,3.4s 22 8-84
IDC VII 18 10 05 07.8–5.4 24.16N 112.72W 0 3.7,3.6 ¶11811923
NEIC VII 18 10 05 08.2–2.6 24.05N 112.73W 10 3.7b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=75.1km s-min=29.8km az=172.0.
NEIC Event type se. Error ellipse: s-maj=31.8km s-min=13.3km az=189.0.
ISC VII 25 19 15 41.4–1.9 30.0N–.10 114.5W–.10 10 3.6s 27 3-79
ISCJB VII 25 19 15 40.3–1.4 30.1N–.10 114.27W–.06 10 3.6s ¶11153735
NEIC VII 25 19 15 40.4–2.6 29.96N 114.40W 10 3.9b
IDC VII 25 19 15 42.3–2.5 30.25N 114.19W 0 3.9L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=7.3km az=2.5.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=11.9km az=200.0.
IDC Error ellipse: s-maj=36.3km s-min=17.7km az=30.0.
ECX VIII 11 21 59 54.8–.66 30.98N 115.23W 6–0 3.5L,3.3 ¶12788858
ECX Error ellipse: s-maj=5.2km s-min=5.4km az=-1.0.
ISC X 22 20 06 53.0–.92 27.97N–.04 112.24W–.09 10 17 1-6
ISCJB X 22 20 06 52.1–.85 27.97N–.04 112.18W–.08 10 ¶12070828
MEX X 22 20 06 53.7–.50 28.00N 112.46W 15–22 4.2
ISCJB Error ellipse: s-maj=11.0km s-min=5.1km az=15.8.
MEX Error ellipse: s-maj=10.2km s-min=34.0km az=-1.0.
ISC XI 13 07 48 46.7–1.8 29.9N–.20 114.1W–.20 10 3.2s 12 3-40
ISCJB XI 13 07 48 45.9–1.8 30.1N–.20 114.0W–.10 10 3.2s ¶12073395
NEIC XI 13 07 48 45.4–2.5 29.98N 114.21W 5 2.8L
IDC XI 13 07 48 46.4–2.6 29.98N 114.01W 0 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.2km s-min=8.5km az=37.9.
NEIC Event type se. Error ellipse: s-maj=40.2km s-min=10.9km az=206.0.
IDC Error ellipse: s-maj=43.1km s-min=15.3km az=26.0.
ISC XII 13 19 28 24.1–1.3 31.39N–.05 116.73W–.07 10–6 3.4s 40 0-38
ISCJB XII 13 19 28 21.4–1.2 31.27N–.04 116.76W–.06 9–6 3.4s ¶12077329
ECX XII 13 19 28 22.4–.40 31.28N 116.77W 12–0 4.1L,4.0
NEIC XII 13 19 28 22.5 31.29N 116.77W 15 3.9L,4.0
IDC XII 13 19 28 23.3–2.9 31.38N 116.68W 0 3.9,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.0km az=144.9.
ECX Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
NEIC Event type se. After ECX.
IDC Error ellipse: s-maj=45.9km s-min=15.9km az=46.0.
ISC XII 15 03 53 03.5–.60 31.77N–.04 116.09W–.03 19–4 40 0-3
ISCJB XII 15 03 53 03.1–.64 31.76N–.03 116.07W–.03 23–4 ¶12077532
ECX XII 15 03 53 04.6–.40 31.80N 116.12W 9–0 3.3L,3.0
ISCJB Error ellipse: s-maj=5.8km s-min=4.2km az=175.5.
ECX Error ellipse: s-maj=1.5km s-min=1.3km az=-1.0.
ISC XII 26 19 32 51.4–.58 31.97N–.03 116.15W–.04 13–5 21 0-4
ISCJB XII 26 19 32 50.9–.56 31.98N–.04 116.16W–.04 11–6 ¶13404091
ECX XII 26 19 32 52.2–.38 31.96N 116.14W 8–0 3.1L,2.9
NEIC XII 26 19 32 52.2 31.96N 116.14W 8 3.1L,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.3km az=1.8.
ECX Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
NEIC Event type se. After ECX.
ECX XII 26 20 05 39.6–.53 31.43N 115.84W 10–0 2.7,2.7L
NEIC XII 26 20 05 39.6 31.43N 115.84W 10 2.8L,2.7L ¶13404094
ECX Error ellipse: s-maj=2.7km s-min=2.8km az=-1.0.
NEIC Event type se. After ECX.

(49) Gulf of California.

IDC VII 15 20 22 22.4–7.0 23.74N 108.61W 0 3.6,3.5L ¶12698238
IDC Error ellipse: s-maj=88.3km s-min=34.7km az=157.0.
ISC VII 18 01 23 36.8–1.1 24.29N–.10 108.69W–.08 10 3.9b 43 7-123
ISCJB VII 18 01 23 35.1–1.1 24.29N–.10 108.57W–.09 10 3.9b ¶11811891
IDC VII 18 01 23 35.2–1.1 24.44N 108.76W 0 4.1,3.9b
NEIC VII 18 01 23 37.1–.95 24.30N 108.61W 10 3.9b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=11.3km az=173.3.
IDC Error ellipse: s-maj=32.3km s-min=23.2km az=80.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=12.7km az=65.0.
ISC VII 19 15 21 08.5–.51 23.62N–.05 108.64W–.04 10 4.5b,3.7s 291 2-118
ISCJB VII 19 15 21 08.1–.55 23.77N–.05 108.56W–.04 10 4.5b,3.7s ¶11153500
MEX VII 19 15 21 10.9–.27 23.02N 109.02W 23–13 4.5,3.7s
IDC VII 19 15 21 10.8–1.2 24.13N 108.63W 0 4.2,4.1
NEIC VII 19 15 21 10.9–.84 23.87N 108.64W 10 4.5b,4.1
BJI VII 19 15 21 19.4 23.97N 108.55W 91 5.2b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=23.9.
MEX Error ellipse: s-maj=10.3km s-min=8.8km az=-1.0.
IDC Error ellipse: s-maj=26.1km s-min=19.0km az=90.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.3km az=216.0.
ISC VII 19 16 15 26.1–4.4 24.8N–.40 108.2W–.20 10 11 6-47
IDC VII 19 16 15 18.7–5.4 24.26N 108.35W 0 3.7,3.6L ¶11812079
NEIC VII 19 16 15 26.1–4.7 24.84N 108.13W 10 3.5b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=77.6km s-min=28.3km az=153.0.
NEIC Event type se. Error ellipse: s-maj=59.0km s-min=23.7km az=177.0.
IDC VII 27 23 04 00.7–4.1 24.68N 109.07W 0 3.5,3.4 ¶12698462
IDC Error ellipse: s-maj=55.2km s-min=24.4km az=154.0.
ECX VII 29 21 54 34.6–.59 31.94N 114.77W 15–0 3.8L,3.7 ¶12835308
ECX Error ellipse: s-maj=2.5km s-min=5.0km az=-1.0.
ISC VIII 05 07 19 01.2–.36 25.08N–.03 109.52W–.02 10 4.3b,3.9s 505 1-123
BJI VIII 05 07 18 58.2 25.00N 109.70W 5 5.0b,4.6b ¶11154182
NEIC VIII 05 07 19 00.3–.55 24.96N 109.73W 10 4.3b,4.6b
MEX VIII 05 07 19 02.2–.33 25.09N 109.58W 20–23 4.3,4.6b
IDC VIII 05 07 19 03.2–1.0 25.63N 109.63W 0 4.3,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=24.0.
MEX Error ellipse: s-maj=4.1km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=19.7km s-min=17.7km az=40.0.
ISC VIII 05 21 35 53.0–1.9 28.82N–.07 112.66W–.04 11–9 4.0b 46 4-67
IDC VIII 05 21 35 44.2–1.5 28.30N 113.01W 0 4.0,3.9b ¶11907808
NEIC VIII 05 21 35 50.3–2.1 28.60N 112.71W 10 4.0b,3.9b
ISCJB VIII 05 21 35 52.0–.84 28.93N–.06 112.56W–.04 10 4.0b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 07 02 18 14.9–.29 26.72N–.03 110.94W–.03 10 5.0s,4.6b 210 1-158
BJI VIII 07 02 18 10.8 26.60N 111.00W 10 5.5b,5.2s ¶11159766
IDC VIII 07 02 18 11.6–.94 26.78N 110.93W 0 4.9,4.8s
ISCJB VIII 07 02 18 12.7–.28 26.73N–.02 110.91W–.03 10 5.0s,4.6b
NEIC VIII 07 02 18 13.8–.44 26.64N 111.00W 10 5.3W,5.0s
MEX VIII 07 02 18 14.7–1.5 26.92N 111.05W 14–23 4.9,5.0s
GCMT VIII 07 02 18 16.4–.20 26.68N 111.12W 24–0 5.5W,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=21.8km s-min=14.8km az=43.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.2km az=136.7.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=3.8km az=220.0. Felt at Loreto and Mulege, Baja California Sur. Moment Tensor Solution. s23 Moment tensor: Scale 10^{17}Nm; M_{rr}0.10 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$0.91 $M_{r\theta}$-0.16 $M_{\theta\phi}$-0.02 $M_{\phi r}$-0.29 Best double couple: NP1:ϕ_s226.00000° ,δ83.00000°,λ19.00000°. NP2:ϕ_s133.00000°,δ71.00000°,λ173.00000°. Principal axes: T 1.0000,Plg18.0000°,Azm91.0000°; N 0.0300,Plg69.0000°,Azm243.0000° ; P -1.0400,Plg8.0000°,Azm358.0000° $M_0$1.00000×10^{17}
MEX Error ellipse: s-maj=13.2km s-min=9.1km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 82, comp=161, per= 50. Moment Tensor Solution. s67,c110; s19,c19; Moment tensor: Scale 10^{17}Nm; M_{rr}0.07±.03 $M_{\theta\theta}$-2.03±.03; $M_{\phi\phi}$1.96±.04; $M_{r\theta}$-0.10±.07; $M_{\theta\phi}$-0.54±.03; $M_{\phi r}$0.05±.07; Best double couple: NP1:ϕ_s37.00000°,δ87.00000°,λ0.00000°. NP2:ϕ_s127.00000°,δ90.00000°,λ-177.00000°. Principal axes: T 2.0400,Plg2.0000°,Azm262.0000°; N 0.0700,Plg87.0000°,Azm136.0000° ; P -2.1100,Plg3.0000°,Azm352.0000° $M_0$2.10000×10^{17}
ISC VIII 07 02 35 11.2–1.7 26.9N–.10 111.14W–.05 10 13 1-44
IDC VIII 07 02 35 04.8–5.3 25.85N 110.97W 0 3.6,3.4L ¶11907850
ISCJB VIII 07 02 35 09.7–1.6 26.8N–.10 111.05W–.05 10 3.6,3.4L
MEX VIII 07 02 35 11.7–.44 26.66N 111.02W 16–295 4.1,3.4L
NEIC VIII 07 02 35 11.7 26.66N 111.02W 16 4.1,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=78.5km s-min=22.3km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=6.6km az=4.5.
MEX Error ellipse: s-maj=245.5km s-min=149.2km az=-1.0.
NEIC Event type se. After MEX.
IDC VIII 07 14 32 12.4–5.2 23.41N 108.51W 0 3.5,3.5 ¶12580959
IDC Error ellipse: s-maj=85.7km s-min=31.8km az=147.0.
ISC IX 10 22 34 26.0–.82 28.57N–.07 112.81W–.06 10 4.1b,3.5s 67 4-100

IDC IX 10 22 34 22.1–2.1 28.69N 113.08W 0 4.1L,4.0 ¶11910009
ISCJB IX 10 22 34 24.9–.83 28.65N–.07 112.72W–.06 10 4.1b,3.5s
NEIC IX 10 22 34 26.0–1.2 28.59N 112.84W 10 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=13.8km az=35.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=29.5.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=7.0km az=211.0.
IDC IX 21 20 38 52.1–4.8 25.16N 109.41W 0 3.7,3.5
¶11910788
IDC Error ellipse: s-maj=69.6km s-min=23.5km az=164.0.
IDC IX 28 03 49 54.4–5.6 23.95N 108.47W 0 3.7,3.5
¶11911248
IDC Error ellipse: s-maj=85.2km s-min=27.4km az=150.0.
MEX IX 28 16 30 27.8–.37 28.06N 112.47W 20–26 4.3
¶13856677
MEX Error ellipse: s-maj=2.7km s-min=6.8km az=-1.0.
ISC X 08 09 31 31.6–1.6 29.35N–.05 113.51W–.04 19–11 3.5b,3.5s 104 3-44
IDC X 08 09 31 28.4–2.4 29.20N 113.59W 0 3.9,3.8L ¶12066323
ISCJB X 08 09 31 30.7–1.0 29.54N–.07 113.44W–.05 10 3.5b,3.5s
NEIC X 08 09 31 41.0–2.2 30.28N 113.31W 10 3.6L,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=11.3km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=3.6km az=30.1.
NEIC Event type se. Error ellipse: s-maj=31.1km s-min=7.0km az=11.0.
ISC X 12 08 01 01.1–1.9 25.3N–.20 109.15W–.09 10 4.2b,3.1s 23 6-86
NEIC X 12 08 01 01.1–2.6 25.27N 109.05W 10 3.9b,3.1s ¶12068450
IDC X 12 08 01 01.5–3.4 25.51N 108.84W 0 4.2b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.9km s-min=17.0km az=183.0.
IDC Error ellipse: s-maj=66.7km s-min=36.0km az=13.0.
ISC X 18 14 54 16.1–1.7 24.47N–.07 109.20W–.06 10–16 30 1-47
ISCJB X 18 14 54 14.0–1.4 24.50N–.06 108.98W–.08 15–11 ¶12068982
NEIC X 18 14 54 16.2–1.0 24.49N 109.13W 10 4.0b
IDC X 18 14 54 17.0–4.3 24.75N 109.02W 0 3.7,3.6
MEX X 18 14 54 21.9–.71 24.03N 109.29W 2–19 4.3,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=7.7km az=40.2.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.7km az=152.0.
IDC Error ellipse: s-maj=58.3km s-min=33.4km az=157.0.
MEX Error ellipse: s-maj=25.2km s-min=11.3km az=-1.0.
MEX X 19 02 31 47.8–.51 27.67N 111.72W 5–20 4.1
¶13909977
MEX Error ellipse: s-maj=25.1km s-min=21.3km az=-1.0.
ISC X 31 13 34 52.5–.43 26.61N–.04 110.98W–.05 10 4.2b,4.2s 83 1-96
ISCJB X 31 13 34 50.7–.42 26.65N–.04 110.97W–.06 10 4.2b,4.2s ¶11389539
GCMT X 31 13 34 50.8–.40 26.65N 111.15W 17–1 4.9W,4.2s
IDC X 31 13 34 50.8–1.2 26.63N 111.03W 0 4.4,4.2s
MEX X 31 13 34 52.4–.92 26.71N 111.10W 5–0 4.5,4.2s
NEIC X 31 13 34 52.8–.54 26.65N 110.93W 10 4.5,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.4km az=152.3.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s12,c14; s72,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03±.12 $M_{\theta\theta}$-2.94±.11; $M_{\phi\phi}$2.97±.11; $M_{r\theta}$-1.48±.31; $M_{\theta\phi}$-0.55±.09; $M_{\phi r}$-0.30±.25; Best double couple: NP1:ϕ_s132.00000°,δ72.00000° ,λ-166.00000°. NP2:ϕ_s38.00000°,δ77.00000°,λ-19.00000°. Principal axes: T 3.0300,Plg3.0000°,Azm86.0000°; N 0.5900,Plg67.0000°,Azm184.0000° ; P -3.6200,Plg23.0000°,Azm354.0000° M_o3.30000×10^{16}
IDC Error ellipse: s-maj=19.9km s-min=16.6km az=53.0.
MEX Error ellipse: s-maj=4.7km s-min=6.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.1km az=53.0.
IDC XI 02 06 11 44.6–1.7 24.08N 108.92W 0 3.7,3.6
¶12071955
IDC Error ellipse: s-maj=29.4km s-min=23.5km az=110.0.
ECX XI 04 01 37 52.6–.34 30.63N 114.44W 4–0 3.6L,3.5
¶13399163
ECX Error ellipse: s-maj=2.5km s-min=2.7km az=-1.0.
ECX XI 04 21 33 38.1–.76 30.62N 114.45W 3–0 4.0L,3.8
¶13399248
ECX Error ellipse: s-maj=5.1km s-min=6.7km az=-1.0.
ECX XI 07 20 30 54.7–.58 30.65N 114.45W 6–0 3.7L
NEIC XI 07 20 30 54.7 30.65N 114.45W 6 3.7L ¶11451569
ECX Error ellipse: s-maj=4.7km s-min=5.9km az=-1.0.
NEIC Event type se. After ECX.
MEX XI 11 22 54 30.7–.27 23.93N 108.74W 6–19 4.5
¶14011496
MEX Error ellipse: s-maj=24.2km s-min=34.4km az=-1.0.
ECX XI 12 04 12 24.0–.39 30.78N 114.33W 6–0 3.9L,3.7
¶13399885
ECX Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
IDC XI 13 04 24 09.2–5.4 25.38N 109.91W 0 3.4,3.3
¶12073376
IDC Error ellipse: s-maj=77.0km s-min=26.0km az=169.0.
IDC XI 13 17 10 48.1–1.9 24.14N 108.25W 0 3.6,3.5
¶12073430
IDC Error ellipse: s-maj=53.0km s-min=38.4km az=106.0.
ISC XI 13 18 43 15.8–.45 24.02N–.04 109.01W–.04 10 4.8b,4.1s 343 1-130
BJI XI 13 18 43 12.8 24.16N 109.18W 13 5.2s,5.2b ¶11490435
MOS XI 13 18 43 14.8–1.4 24.22N 109.02W 10 5.0b,5.2b
IDC XI 13 18 43 14.7–.87 24.21N 108.95W 0 4.6,4.5b
ISCJB XI 13 18 43 15.3–.40 24.17N–.04 109.00W–.04 10 4.8b,4.1s
NEIC XI 13 18 43 17.1–.80 24.38N 109.02W 10 4.7b,4.1s
MEX XI 13 18 43 18.5–.52 24.02N 109.29W 5–0 4.7,4.1s
ISC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=5.7km az=85.8.
IDC Error ellipse: s-maj=24.7km s-min=17.5km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.5km az=36.4.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.2km az=36.0.
MEX Error ellipse: s-maj=11.7km s-min=3.5km az=-1.0.
ISC XI 15 09 02 46.5–2.0 25.64N–.04 110.28W–.05 21–16 4.2b,4.0s 98 2-122
GCMT XI 15 09 02 45.2–.40 25.82N 110.17W 12 4.8W,4.0s ¶11473033
IDC XI 15 09 02 45.0–1.1 25.99N 109.94W 0 4.0,4.0s
NEIC XI 15 09 02 45.3–.98 25.69N 110.24W 10 4.2b,4.0s
MEX XI 15 09 02 45.5–.36 25.73N 110.74W 15–7 4.2,4.0s
BJI XI 15 09 02 45.2 25.80N 110.20W 10 5.4s,5.3b
ISC Event type se.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s16,c16; s60,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.12±.08 $M_{\theta\theta}$-1.77±.07; $M_{\phi\phi}$1.89±.08; $M_{r\theta}$-1.08±.19; $M_{\theta\phi}$-0.57±.07; $M_{\phi r}$0.76±.22; Best double couple: NP1:ϕ_s36.00000°,δ55.00000°,λ-3.00000°. NP2:ϕ_s127.00000°,δ88.00000°,λ-145.00000°. Principal axes: T 2.3500,Plg22.0000° ,Azm256.0000°; N -0.0400,Plg55.0000°,Azm130.0000°; P -2.3100,Plg25.0000° ,Azm357.0000° M_o2.30000×10^{16}
IDC Error ellipse: s-maj=20.6km s-min=17.5km az=149.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.8km az=215.0.
MEX Error ellipse: s-maj=4.1km s-min=10.6km az=-1.0.
IDC XI 15 13 26 26.5–3.4 25.25N 109.51W 0 3.8,3.7b
¶12073629
IDC Error ellipse: s-maj=49.8km s-min=21.8km az=160.0.
IDC XI 15 16 22 07.3–3.7 25.12N 109.48W 0 3.6,3.5
¶12073644
IDC Error ellipse: s-maj=50.6km s-min=23.0km az=160.0.
ECX XI 19 15 35 39.2–.32 30.56N 114.35W 4–0 4.2L,4.0
¶13400614
ECX Error ellipse: s-maj=4.8km s-min=3.8km az=-1.0.
ISC XII 06 12 52 23.0–.88 23.75N–.08 108.82W–.06 10 4.3b,4.2s 101 1-123
BJI XII 06 12 52 19.5 23.60N 108.80W 10 4.3b,4.2s ¶11493266
ISCJB XII 06 12 52 21.7–.86 23.80N–.08 108.86W–.06 10 4.3b,4.2s
NEIC XII 06 12 52 23.1–.92 23.78N 108.77W 10 4.3b,4.2L
MEX XII 06 12 52 24.2–.44 24.18N 108.92W 16–999 4.2,4.2L
IDC XII 06 12 52 27.4–1.1 24.64N 108.71W 0 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=5.4km az=25.4.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.2km az=199.0.
MEX Error ellipse: s-maj=5.5km s-min=8.4km az=-1.0.
IDC Error ellipse: s-maj=31.4km s-min=27.3km az=83.0.
ISC XII 11 03 41 57.8–1.1 30.47N–.08 113.71W–.05 10 3.2s 36 3-40
IDC XII 11 03 41 53.0–3.4 29.98N 113.55W 0 3.7b,3.6 ¶12076841
ISCJB XII 11 03 41 55.2–1.2 30.43N–.09 113.67W–.05 10 3.2s,3.6
NEIC XII 11 03 41 55.7–2.2 30.34N 113.80W 10 3.7L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=27.5km az=175.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=5.5km az=10.2.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=8.8km az=11.0.
ISC XII 11 07 21 41.3–.57 25.57N–.04 109.78W–.07 10 3.8b,3.4s 41 2-46
ISCJB XII 11 07 21 39.6–.55 25.63N–.04 109.76W–.07 10 3.8b,3.4s ¶12076863
IDC XII 11 07 21 40.6–3.4 25.63N 109.81W 0 3.9,3.7
NEIC XII 11 07 21 42.9–2.4 25.72N 109.81W 10 3.9b,3.7
MEX XII 11 07 21 45.4–.66 25.51N 110.98W 10–0 4.1,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.5km az=15.6.
IDC Error ellipse: s-maj=47.7km s-min=21.2km az=165.0.
NEIC Event type se. Error ellipse: s-maj=29.3km s-min=11.5km az=179.0.
MEX Error ellipse: s-maj=9.4km s-min=25.1km az=-1.0.
ISC XII 23 00 06 40.9–.60 27.87N–.04 111.92W–.05 10 31 1-15
IDC XII 23 00 06 37.3–5.0 27.46N 111.92W 0 3.9,3.7L ¶12078609
ISCJB XII 23 00 06 38.7–.60 27.90N–.05 111.80W–.05 10 3.9,3.7L
MEX XII 23 00 06 40.4–.46 27.44N 113.03W 30–61 4.3,3.7L
NEIC XII 23 00 06 40.4–.83 27.86N 111.95W 10 4.3,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=64.3km s-min=16.6km az=17.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.0km az=138.1.
MEX Error ellipse: s-maj=36.1km s-min=11.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=9.6km az=113.0.
MEX XII 23 03 55 28.5–.42 28.12N 112.58W 26–22 4.4
NEIC XII 23 03 55 29.7 28.11N 112.49W 20 4.3 ¶13837223
MEX Error ellipse: s-maj=3.4km s-min=8.2km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 26 01 54 01.4–.40 27.62N 111.61W 8–10 4.1
¶14269440
MEX Error ellipse: s-maj=14.9km s-min=18.1km az=-1.0.
ISC XII 26 12 42 49.7–.50 24.80N–.04 109.41W–.04 10 3.8b,3.4s 35 1-123
ISCJB XII 26 12 42 48.6–.51 24.88N–.04 109.39W–.04 10 3.8b,3.4s ¶12079060
IDC XII 26 12 42 52.6–.99 25.39N 109.41W 0 3.9,3.8L
MEX XII 26 12 42 53.3–.63 24.80N 109.37W 14–10 4.3,3.8L
NEIC XII 26 12 42 54.4–.93 25.30N 109.26W 10 4.3,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=5.2km az=143.8.
IDC Error ellipse: s-maj=25.9km s-min=20.4km az=67.0.
MEX Error ellipse: s-maj=4.2km s-min=3.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=13.5km az=63.0.
ISC XII 30 11 44 12.7–1.4 30.1N–.10 113.32W–.07 10 20 3-41
IDC XII 30 11 44 10.2–2.4 29.93N 113.38W 0 3.4,3.3 ¶12079542
ISCJB XII 30 11 44 11.5–1.5 30.2N–.10 113.21W–.07 10 3.4,3.3
NEIC XII 30 11 44 13.0–1.8 30.11N 113.22W 10 3.0L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=12.0km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=7.5km az=18.7.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=10.3km az=23.0.

(51) Off coast of central Mexico.
IDC VII 19 07 23 54.8–7.8 22.81N 108.20W 0 3.5,3.3
¶12698309
IDC Error ellipse: s-maj=109.4km s-min=39.6km az=146.0.

SEISMIC REGION 5.
Mexico-Guatemala Area.

(53) Revilla Gigedo Islands region.
ISC VII 04 04 05 16.1–1.4 19.7N–.10 109.2W–.20 35 3.5b,3.4s 16 11-122
IDC VII 04 04 05 09.8–1.0 19.57N 109.39W 0 3.8,3.6 ¶11810582
NEIC VII 04 04 05 11.2–.72 19.50N 109.35W 10 3.7b,3.6
ISCJB VII 04 04 05 14.4–1.4 19.7N–.10 109.1W–.20 33 3.5b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 19 17 21 48.2–1.4 19.3N–.10 108.2W–.20 35 3.5b 11 11-53
IDC VII 19 17 21 42.2–2.0 19.13N 108.34W 0 3.8,3.7 ¶11812085
NEIC VII 19 17 21 43.8–1.2 19.14N 108.29W 10 4.2b,3.7
ISCJB VII 19 17 21 45.9–1.4 19.3N–.10 108.2W–.20 33 3.5b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 04 08 15 40.1–8.5 18.90N 108.66W 0 3.7,3.6
¶12580921
IDC Error ellipse: s-maj=151.5km s-min=33.2km az=143.0.
ISC VIII 24 08 46 21.4–7.0 18.6N–.20 108.3W–.20 21–49 3.4b 26 11-64
IDC VIII 24 08 46 18.3–2.8 18.72N 108.33W 0 3.7,3.6 ¶11813460
NEIC VIII 24 08 46 19.6–1.8 18.67N 108.28W 10 3.8b,3.6
ISCJB VIII 24 08 46 20.3–1.6 18.6N–.10 108.1W–.20 33 3.4b,3.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 05 20 25 09.8–.52 18.96N–.05 108.97W–.03 10 4.4b,3.9s 362 5-134
ISCJB IX 05 20 25 08.4–.55 19.01N–.05 108.94W–.03 10 4.4b,3.9s ¶11232768
IDC IX 05 20 25 11.5–1.5 19.43N 108.63W 0 4.5,4.2
NEIC IX 05 20 25 13.0–.49 19.33N 109.02W 10 4.4b,4.2
MEX IX 05 20 25 13.7–.80 19.49N 108.97W 10–0 4.4,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.2km az=11.4.
IDC Error ellipse: s-maj=53.8km s-min=28.7km az=93.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.7km az=53.0.
MEX Error ellipse: s-maj=32.1km s-min=9.6km az=-1.0.
IDC XI 21 10 20 01.1–10 18.92N 108.10W 0 3.6,3.6
¶12074387
IDC Error ellipse: s-maj=178.0km s-min=74.0km az=148.0.

(54) Off coast of Jalisco.
ISC IX 15 06 31 02.1–1.9 18.5N–.10 106.00W–.09 38–11 4.2b,4.0s 89 11-95
IDC IX 15 06 30 51.1–3.8 18.12N 106.45W 0 4.1,4.0 ¶11322781
GCMT IX 15 06 30 55.8–.50 18.52N 106.24W 19–1 4.9W,4.0
ISCJB IX 15 06 30 57.7–4.0 18.4N–.10 106.01W–.09 20–25 4.3b,4.0s
NEIC IX 15 06 30 59.8–1.4 18.35N 106.15W 35 4.3b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=71.1km s-min=31.4km az=23.0.
GCMT Event type se. Data Used: IU II CN G. Moment Tensor Solution. s17,c17; s60,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.94±.15 $M_{\theta\theta}$-0.56±.10; $M_{\phi\phi}$1.50±.13; $M_{r\theta}$0.72±.23; $M_{\theta\phi}$-1.92±.08; $M_{\phi r}$0.25±.22; Best double couple: NP1:ϕ_s190.00000°,δ66.00000°,λ-22.00000°. NP2:ϕ_s289.00000°,δ70.00000°,λ-155.00000°. Principal axes: T 2.6600,Plg3.0000° ,Azm59.0000°; N -0.4900,Plg58.0000°,Azm325.0000°; P -2.1700,Plg32.0000° ,Azm150.0000° M_o2.40000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=24.4km s-min=9.3km az=31.4.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=11.6km az=216.0.
ISC IX 24 02 33 05.3–.17 17.52N–.02 105.46W–.02 10 6.2s,5.6b 1241 2-170
ISCJB IX 24 02 33 03.8–.18 17.56N–.02 105.43W–.02 10 6.2s,5.6b ¶12952175
BJI IX 24 02 33 03.4 17.38N 106.03W 10 6.5s,6.3
IDC IX 24 02 33 03.3–.52 17.57N 105.57W 0 6.1,6.1s
MEX IX 24 02 33 04.4–1.4 17.64N 105.61W 16–40 6.4,6.1s
NEIC IX 24 02 33 05.6–.18 17.61N 105.50W 12 6.6,6.4W
MOS IX 24 02 33 06.3–.88 17.61N 105.53W 33 6.2s,5.8b
GCMT IX 24 02 33 10.4–.10 17.69N 105.60W 17–0 6.4W,5.8b
BGS IX 24 02 33 18.0–2.1 20.14N 105.17W 10–0 6.4s,5.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=1.6km az=34.5.

IDC Error ellipse: s-maj=18.9km s-min=10.2km az=61.0.
MEX Error ellipse: s-maj=10.8km s-min=9.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.3km az=36.0. Felt at Guadalajara, Jalisco, Mexico and Puerto Vallarta. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ88.00000°,λ-5.00000°. NP2: ϕ_s120.00000°,δ85.00000°,λ-178.00000°. Principal axes: T Plg2.0000°,Azm75.0000° ; N Plg0.0000°,Azm0.0000°; P Plg5.0000°,Azm345.0000° Moment Tensor Solution. s88 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.01 $M_{\theta\theta}$-3.08 $M_{\phi\phi}$3.09 $M_{r\theta}$0.00 $M_{\theta\phi}$-0.81 $M_{\phi r}$-0.47 Best double couple: NP1:ϕ_s218.00000°,δ85.00000°,λ7.00000°. NP2:ϕ_s127.00000° ,δ84.00000°,λ175.00000°. Principal axes: T 3.2600,Plg8.0000°,Azm82.0000° ; N -0.0800,Plg81.0000°,Azm254.0000°; P -3.1900,Plg1.0000°,Azm352.0000° M_o3.20000×10^{18} Moment Tensor Solution. M_o5.50000×10^{18}
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=88.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 108 sta. Surface waves: sta=105, comp=244, per= 50. Moment Tensor Solution. s116,c263; s99,c200; Moment tensor: Scale 10^{18}Nm; M_{rr}0.59±.03 $M_{\theta\theta}$-5.01±.03; $M_{\phi\phi}$4.42±.03; $M_{r\theta}$0.35±.07; $M_{\theta\phi}$-1.35±.02; $M_{\phi r}$0.23±.07; Best double couple: NP1:ϕ_s307.00000°,δ86.00000°,λ-179.00000°. NP2:ϕ_s217.00000°,δ89.00000°,λ-4.00000°. Principal axes: T 4.6200,Plg2.0000° ,Azm262.0000°; N 0.6100,Plg86.0000°,Azm26.0000°; P -5.2200,Plg4.0000°,Azm172.0000° M_o4.90000×10^{18}
BGS Error ellipse: s-maj=477.2km s-min=696.2km az=-1.0.

ISC	IX	**25 21 38 18.8–.98**	**18.83N–.08**	**106.18W–.05**	**50**	**3.9b,3.6s**	**29**	**2-98**	
IDC	IX	25 21 38 14.1–1.9	17.78N	106.10W	0	4.1,3.9			¶11339117
MEX	IX	25 21 38 17.8–1.0	18.91N	106.27W	12–125	4.4,3.9			
NEIC	IX	25 21 38 17.8	18.91N	106.27W	12	4.4,4.1b			
ISCJB	IX	25 21 38 18.5–1.0	18.93N–.08	106.17W–.05	50	3.9b,3.6s			

ISC Event type se.
NEIC Event type se. After MEX.
ISCJB Event type se.

ISC	IX	**26 03 39 22.1–2.0**	**17.72N–.05**	**105.78W–.03**	**16–12**	**4.3b,4.1s**	**253**	**2-124**	
IDC	IX	26 03 39 18.2–.95	17.77N	106.11W	0	4.2,4.1			¶11310443
ISCJB	IX	26 03 39 19.8–1.7	17.72N–.05	105.76W–.03	12–10	4.3b,4.1s			
MEX	IX	26 03 39 21.1–.83	17.99N	105.90W	10–0	4.6,4.1s			
NEIC	IX	26 03 39 21.9–4.2	17.75N	105.79W	14–25	4.6,4.4b			
GCMT	IX	26 03 39 24.2–.30	18.06N	105.94W	21–1	5.1W,4.4b			

ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=16.9km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.1km az=19.8.
MEX Error ellipse: s-maj=10.3km s-min=10.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=5.5km az=221.0.
GCMT Event type se. Data Used: IU II IC CN G. Moment Tensor Solution. s38,c55; s71,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.22±.16 $M_{\theta\theta}$-1.89±.13; $M_{\phi\phi}$3.11±.16; $M_{r\theta}$-0.17±.22; $M_{\theta\phi}$-4.01±.11; $M_{\phi r}$0.56±.23; Best double couple: NP1:ϕ_s286.00000°,δ85.00000°,λ178.00000°. NP2:ϕ_s16.00000°,δ88.00000°,λ5.00000°. Principal axes: T 5.3900,Plg5.0000°,Azm241.0000° ; N -1.2700,Plg84.0000°,Azm34.0000°; P -4.1200,Plg2.0000°,Azm151.0000° M_o4.80000×10^{16}

ISC	X	**07 13 49 10.2–.97**	**18.7N–.10**	**107.37W–.05**	**10**	**3.6b,2.9s**	**30**	**3-123**	
ISCJB	X	07 13 49 09.7–.81	18.8N–.10	107.41W–.04	10	3.6b,2.9s			¶12066261
IDC	X	07 13 49 12.4–1.4	19.02N	107.40W	0	3.9,3.8			
MEX	X	07 13 49 13.6–.61	18.74N	107.39W	20–13	4.1,3.8			
NEIC	X	07 13 49 14.4	18.79N	107.39W	20	4.1,4.0b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=5.8km az=173.9.
IDC Error ellipse: s-maj=45.1km s-min=22.5km az=60.0.
MEX Error ellipse: s-maj=13.1km s-min=5.7km az=-1.0.
NEIC Event type se. After MEX.

ISC	XI	**23 09 34 31.7–1.6**	**18.56N–.05**	**105.92W–.04**	**27–13**	**4.3b,4.2s**	**99**	**2-123**	
IDC	XI	23 09 34 22.4–1.9	18.31N	106.53W	0	4.0,3.9			¶11482862
ISCJB	XI	23 09 34 28.3–1.6	18.50N–.05	105.94W–.04	18–13	4.3b,4.2s			
MEX	XI	23 09 34 31.8–1.2	18.60N	106.01W	39–507	4.5,4.2s			
NEIC	XI	23 09 34 31.3–.91	18.37N	106.13W	35	4.3b,4.2s			
BJI	XI	23 09 34 31.3	18.50N	106.20W	35	4.6,4.2s			

ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=21.2km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=4.0km az=27.8.
MEX Error ellipse: s-maj=12.5km s-min=20.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.3km az=29.0.

(55) Near coast of Jalisco.

MEX	VII	**15 19 14 27.7–.66**	**20.08N**	**105.84W**	**10–0**	**4.0**	
							¶13642655

MEX Error ellipse: s-maj=5.7km s-min=9.4km az=-1.0.

MEX	IX	**22 03 52 10.0–1.1**	**18.89N**	**104.57W**	**17–9**	**3.7**	
							¶13856551

MEX Error ellipse: s-maj=13.3km s-min=7.5km az=-1.0.

MEX	IX	**28 12 18 01.4–.29**	**19.53N**	**104.94W**	**20–17**	**3.9**	
							¶13856676

MEX Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0.

MEX	X	**01 03 23 02.4–.79**	**19.59N**	**104.39W**	**48–54**	**3.8**	
							¶13909430

MEX Error ellipse: s-maj=3.6km s-min=6.9km az=-1.0.

ISC	X	**16 10 27 59.6–.72**	**19.57N–.04**	**104.32W–.06**	**68–6**	**3.3b**	**41**	**1-126**	
ISCJB	X	16 10 27 58.6–.72	19.56N–.04	104.30W–.06	77–6	3.3b			¶12068761
NEIC	X	16 10 27 59.9	19.57N	104.35W	77	4.2			
IDC	X	16 10 27 59.7–1.4	19.42N	104.52W	72–11	3.7,3.5			
MEX	X	16 10 27 59.7–.52	19.56N	104.39W	76–5	4.2,3.5			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.9km az=149.6.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=44.3km s-min=21.5km az=69.0.
MEX Error ellipse: s-maj=3.0km s-min=4.5km az=-1.0.

MEX	XI	**06 01 32 45.8–1.0**	**18.82N**	**104.96W**	**12–35**	**3.8**	
							¶14011323

MEX Error ellipse: s-maj=23.4km s-min=23.6km az=-1.0.

ISC	XI	**07 11 38 53.4–.84**	**19.98N–.05**	**104.36W–.07**	**35**	**2.9b**	**14**	**1-23**	
IDC	XI	07 11 38 49.0–3.1	19.87N	104.54W	0	3.5,3.4			¶12072675
MEX	XI	07 11 38 50.9–.68	20.05N	104.45W	98–12	4.0,3.4			
ISCJB	XI	07 11 38 52.0–.83	19.96N–.05	104.36W–.07	33	2.9b,3.4			
MEX	XI	**13 04 12 22.4–1.2**	**19.17N**	**104.08W**	**12–4**	**4.0**			
									¶14011560

MEX Error ellipse: s-maj=4.5km s-min=7.2km az=-1.0.

MEX	XI	**20 21 50 07.8–1.1**	**19.30N**	**105.58W**	**16–61**	**3.6**	
							¶14011798

MEX Error ellipse: s-maj=27.4km s-min=52.5km az=-1.0.

MEX	XII	**28 04 28 21.8–1.3**	**19.29N**	**105.08W**	**9–11**	**4.0**	
							¶14269490

MEX Error ellipse: s-maj=8.8km s-min=17.3km az=-1.0.

MEX	XII	**29 20 23 58.7–1.0**	**18.83N**	**104.49W**	**6–13**	**4.0**	
							¶14269517

MEX Error ellipse: s-maj=7.6km s-min=4.9km az=-1.0.

(56) Near coast of Michoacan.

MEX	VII	**05 05 37 29.8–.62**	**17.22N**	**102.17W**	**7–12**	**3.9**			
NEIC	VII	05 05 37 30.9	17.21N	102.17W	16	3.9			¶12951046

MEX Error ellipse: s-maj=18.5km s-min=8.6km az=-1.0.
NEIC Event type se. After MEX.

ISC	VII	**05 15 55 15.0–1.8**	**17.17N–.05**	**102.06W–.04**	**14–13**	**4.0b**	**62**	**2-86**	
IDC	VII	05 15 55 03.1–5.8	15.91N	101.56W	0	4.1,3.8b			¶11810714
ISCJB	VII	05 15 55 14.1–1.7	17.17N–.04	102.08W–.03	20–14	4.0b,3.8b			
MEX	VII	05 15 55 17.4–1.2	17.16N	102.13W	18–18	4.2,3.8b			
NEIC	VII	05 15 55 17.4	17.16N	102.13W	18	4.3b,4.2			

ISC Event type se.
IDC Error ellipse: s-maj=98.1km s-min=48.4km az=9.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.6km az=25.2.
MEX Error ellipse: s-maj=13.9km s-min=6.7km az=-1.0.
NEIC Event type se. After MEX.

MEX	VII	**05 18 52 50.3–.76**	**18.13N**	**103.40W**	**13–4**	**4.1**			
NEIC	VII	05 18 52 50.3	18.13N	103.40W	13	4.1			¶12951054

MEX Error ellipse: s-maj=6.3km s-min=10.5km az=-1.0.
NEIC Event type se. After MEX.

MEX	IX	**14 13 51 44.3–.41**	**17.85N**	**103.17W**	**3–3**	**4.1**			
NEIC	IX	14 13 51 44.3	17.86N	103.17W	3	4.1			¶12952037

MEX Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.

MEX	IX	**14 17 56 31.7–.69**	**17.73N**	**103.27W**	**10–0**	**3.8**	
							¶13856430

MEX Error ellipse: s-maj=10.9km s-min=9.9km az=-1.0.

MEX	IX	**23 06 49 40.9–1.1**	**18.21N**	**103.46W**	**5–0**	**3.8**	
							¶13856586

MEX Error ellipse: s-maj=6.4km s-min=4.5km az=-1.0.

MEX	IX	**26 19 10 01.5–1.4**	**18.70N**	**103.35W**	**16–18**	**4.0**			
NEIC	IX	26 19 10 01.5	18.70N	103.35W	16	4.0			¶12952203

MEX Error ellipse: s-maj=5.7km s-min=10.5km az=-1.0.
NEIC Event type se. After MEX.

MEX	X	**03 20 41 51.9–1.1**	**18.20N**	**103.42W**	**9–8**	**3.8**	
							¶13909491

MEX Error ellipse: s-maj=8.3km s-min=9.6km az=-1.0.

MEX	X	**06 09 33 03.3–.92**	**17.81N**	**102.30W**	**9–18**	**4.3**			
NEIC	X	06 09 33 03.4	17.83N	102.31W	10	4.3			¶13396178

MEX Error ellipse: s-maj=10.1km s-min=14.8km az=-1.0.
NEIC Event type se. After MEX.

MEX	X	**19 19 26 56.3–.79**	**18.12N**	**103.39W**	**9–4**	**3.9**	
							¶13909978

MEX Error ellipse: s-maj=5.0km s-min=5.9km az=-1.0.

ISC	X	**26 12 49 36.5–1.1**	**18.33N–.06**	**103.88W–.05**	**25–8**		**66**	**1-9**	
ISCJB	X	26 12 49 35.8–.92	18.31N–.05	103.86W–.05	41–15				¶13398121
MEX	X	26 12 49 37.2–.50	18.28N	103.92W	19–12	4.4			
NEIC	X	26 12 49 37.2	18.28N	103.91W	20	4.4			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=6.4km az=39.6.
MEX Error ellipse: s-maj=5.2km s-min=4.4km az=-1.0.
NEIC Event type se. After MEX.

MEX	XI	**03 21 53 02.9–.71**	**18.12N**	**103.42W**	**5–0**	**3.5**	
							¶14011216

MEX Error ellipse: s-maj=3.8km s-min=3.9km az=-1.0.

MEX	XI	**09 22 46 36.5–.63**	**18.34N**	**103.10W**	**58–15**	**3.8**	
							¶14011426

MEX Error ellipse: s-maj=13.0km s-min=11.0km az=-1.0.

MEX	XI	**11 20 09 22.4–1.5**	**18.16N**	**103.39W**	**10–9**	**4.0**	
							¶14011494

MEX Error ellipse: s-maj=11.9km s-min=13.0km az=-1.0.

ISC	XI	**17 02 00 07.9–1.3**	**17.53N–.07**	**102.03W–.04**	**22–9**	**3.4b**	**24**	**1-56**	
ISCJB	XI	17 02 00 07.6–1.1	17.52N–.07	102.02W–.04	31–7	3.4b			¶12073810
MEX	XI	17 02 00 09.3–.69	17.59N	102.00W	3–4	3.9			
IDC	XI	17 02 00 14.4–7.9	17.29N	101.65W	110–59	3.5,3.4			

ISCJB Error ellipse: s-maj=11.9km s-min=5.3km az=22.2.
MEX Error ellipse: s-maj=7.0km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=106.3km s-min=31.2km az=31.0.

ISC	XI	**24 08 22 11.2–1.1**	**18.00N–.07**	**103.06W–.05**	**22–8**	**4.1b**	**40**	**0-126**	
ISCJB	XI	24 08 22 10.7–.93	18.02N–.07	103.07W–.05	32–6	4.1b			¶12074664
MEX	XI	24 08 22 12.0–.92	18.00N	103.08W	10–23	4.5			
NEIC	XI	24 08 22 17.7–1.9	18.12N	102.43W	100–16	4.5,4.2b			
IDC	XI	24 08 22 18.4–4.3	18.31N	102.33W	95–35	3.9,3.6			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=5.0km az=27.2.
MEX Error ellipse: s-maj=10.3km s-min=18.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=11.9km az=218.0.
IDC Error ellipse: s-maj=47.1km s-min=26.7km az=44.0.

ISC	XI	**24 08 33 42.7–.45**	**17.78N–.04**	**103.00W–.03**	**10**	**4.5b**	**282**	**1-131**	
ISCJB	XI	24 08 33 40.7–.47	17.76N–.05	103.00W–.03	10	4.5b			¶11473338
BJI	XI	24 08 33 44.7	17.70N	102.60W	35	4.5b			
MEX	XI	24 08 33 45.1–.30	17.88N	103.09W	6–8	4.6			
NEIC	XI	24 08 33 46.3–1.1	17.94N	102.60W	35	4.6,4.5b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.5km az=18.0.
MEX Error ellipse: s-maj=5.3km s-min=7.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=9.3km az=194.0.

MEX	XII	**01 23 12 49.9–.57**	**18.14N**	**103.36W**	**10–3**	**3.9**	
							¶14268524

MEX Error ellipse: s-maj=4.7km s-min=5.2km az=-1.0.

MEX	XII	**06 15 10 29.3–.61**	**18.23N**	**103.44W**	**13–2**	**4.2**	
NEIC	XII	06 15 10 29.3	18.23N	103.44W	13	4.2	¶13836948

MEX Error ellipse: s-maj=4.2km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.

MEX	XII	**08 03 36 05.0–.93**	**18.11N**	**103.38W**	**14–5**	**4.0**	
							¶14268815

MEX Error ellipse: s-maj=8.8km s-min=10.5km az=-1.0.

ISC	XII	**08 12 11 02.7–1.2**	**18.16N–.06**	**103.45W–.06**	**16–4**	**3.4b**	**40**	**0-55**	
IDC	XII	08 12 11 00.3–2.6	18.03N	103.47W	0	3.6,3.5			¶12076355
ISCJB	XII	08 12 11 02.2–1.1	18.15N–.06	103.43W–.06	21–5	3.4b,3.5			
MEX	XII	08 12 11 03.5–.87	18.12N	103.47W	6–7	4.2,3.5			
NEIC	XII	08 12 11 03.5	18.12N	103.48W	5	4.2,3.5			

ISC Event type se.
IDC Error ellipse: s-maj=47.0km s-min=24.7km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=5.2km az=43.2.
MEX Error ellipse: s-maj=5.7km s-min=5.9km az=-1.0.
NEIC Event type se. After MEX.

MEX	XII	**14 11 51 49.4–.92**	**18.07N**	**103.51W**	**2–17**	**3.7**	
							¶14269042

MEX Error ellipse: s-maj=13.6km s-min=13.2km az=-1.0.

MEX	XII	**18 22 37 07.8–.61**	**17.69N**	**102.26W**	**10–8**	**3.9**	
NEIC	XII	18 22 37 07.6	17.74N	102.24W	8	3.9	¶13837148

MEX Error ellipse: s-maj=10.0km s-min=5.4km az=-1.0.
NEIC Event type se. After MEX.

MEX	XII	**21 06 15 22.2–.42**	**18.34N**	**103.24W**	**59–4**	**3.9**	
							¶14269281

MEX Error ellipse: s-maj=5.0km s-min=4.8km az=-1.0.

(57) Michoacan.

ISC	VII	**20 00 02 24.8–.49**	**18.68N–.04**	**102.73W–.03**	**96–3**	**4.3b**	**336**	**1-130**	
BJI	VII	20 00 02 21.0	18.80N	102.90W	64	5.1b			¶11153512
MEX	VII	20 00 02 22.6–.38	18.57N	102.91W	70–7	4.5			
IDC	VII	20 00 02 22.0–.65	18.79N	102.63W	62–4	4.1,4.1			
NEIC	VII	20 00 02 22.0	18.76N	102.95W	65	4.4b,4.4			
ISCJB	VII	20 00 02 23.5–.52	18.68N–.04	102.72W–.03	97–4	4.3b,4.4			

ISC Event type fe.
NEIC Event type fe. Felt at Zihuatanejo. After MEX.
ISCJB Event type fe.

MEX	VII	**20 18 19 27.9–.40**	**19.50N**	**100.34W**	**5–0**	**3.6**	
							¶13642947

MEX Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.

MEX	VIII	**20 10 39 18.1–.82**	**18.31N**	**102.40W**	**5–9**	**4.0**	
NEIC	VIII	20 10 39 19.7	18.31N	102.40W	23	4.0	¶12100090

MEX Error ellipse: s-maj=4.8km s-min=2.8km az=-1.0.
NEIC Event type se. After MEX.

MEX	IX	**07 11 15 37.2–.64**	**18.33N**	**102.07W**	**10–7**	**3.6**	
NEIC	IX	07 11 15 37.8	18.38N	102.02W	16	3.6	¶12951933

MEX Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.

MEX	XI	**25 01 03 18.0–.33**	**18.98N**	**102.69W**	**71–9**	**3.9**	
							¶14011908

MEX Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0.

ISC	XI	**25 16 33 11.2–.96**	**18.01N–.07**	**102.96W–.06**	**24–11**	**3.8b**	**30**	**0-55**	
IDC	XI	25 16 33 09.6–2.4	18.17N	102.85W	0	4.0,3.8b			¶12074792
ISCJB	XI	25 16 33 10.4–.73	18.01N–.06	102.97W–.05	33	3.8b,3.8b			
MEX	XI	25 16 33 12.2–.52	18.03N	102.96W	9–10	4.3,3.8b			

IDC Error ellipse: s-maj=47.2km s-min=23.7km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=3.5km az=32.3.
MEX Error ellipse: s-maj=7.2km s-min=8.4km az=-1.0.

MEX	XII	**03 10 41 46.8–.70**	**19.29N**	**102.87W**	**8–9**	**3.5**	
							¶14268610

MEX Error ellipse: s-maj=3.2km s-min=4.5km az=-1.0.
MEX XII 10 04 28 42.4–.62 19.51N 102.48W 5–7 3.6
¶14268915

MEX Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0.
MEX XII 13 09 07 10.3–.90 18.39N 102.07W 23–34 3.7
NEIC XII 13 09 07 10.5 18.38N 102.07W 20 3.7 ¶13837068
MEX Error ellipse: s-maj=4.1km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 14 19 53 02.0–1.1 18.47N 102.31W 33–171 3.6
¶14269043

MEX Error ellipse: s-maj=12.2km s-min=8.0km az=-1.0.
MEX XII 18 01 35 58.6–.93 19.26N 102.68W 10–11 3.7
¶14269190

MEX Error ellipse: s-maj=5.3km s-min=5.1km az=-1.0.

(58) Near coast of Guerrero.

MEX VII 01 09 51 12.1–.77 16.49N 98.34W 29–13 4.1
NEIC VII 01 09 51 12.1 16.49N 98.34W 29 4.1 ¶12950827
MEX Error ellipse: s-maj=12.2km s-min=8.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 05 14 21 11.0–.62 16.08N 99.67W 17–20 3.7
NEIC VII 05 14 21 11.0 16.08N 99.67W 17 3.7 ¶12951039
MEX Error ellipse: s-maj=9.3km s-min=6.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 05 18 01 28.7–.79 16.86N 99.73W 7–5 3.5
NEIC VII 05 18 01 28.7 16.86N 99.73W 7 3.5 ¶12951056
MEX Error ellipse: s-maj=5.9km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 07 00 07 41.2–.74 16.71N 99.71W 25–28 3.6
¶13642030

MEX Error ellipse: s-maj=5.3km s-min=7.1km az=-1.0.
MEX VII 07 13 48 40.6–.70 16.96N 99.57W 24–27 3.5
NEIC VII 07 13 48 40.6 16.96N 99.57W 24 3.5 ¶12951087
MEX Error ellipse: s-maj=4.7km s-min=3.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 07 16 05 06.7–.53 16.69N 100.16W 18–66 3.5
¶13642031

MEX Error ellipse: s-maj=10.9km s-min=6.2km az=-1.0.
MEX VII 09 05 25 43.1–.35 16.68N 99.76W 8–2 3.5
NEIC VII 09 05 25 43.1 16.68N 99.76W 8 3.5 ¶12951157
MEX Error ellipse: s-maj=3.7km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
ISC VII 09 14 51 50.3–1.0 16.01N–.05 98.45W–.03 18–5 3.9b 92 0-57
IDC VII 09 14 51 47.4–3.8 15.84N 97.94W 0 4.1,3.9b ¶11811086
ISCJB VII 09 14 51 49.6–1.0 16.00N–.04 98.47W–.03 28–7 3.9b,3.9b
MEX VII 09 14 51 50.6–.77 15.97N 98.52W 13–11 4.4,3.9b
NEIC VII 09 14 51 50.6 15.97N 98.52W 13 4.4,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=81.3km s-min=48.4km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.2km az=17.2.
MEX Error ellipse: s-maj=9.7km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 09 23 00 48.9–.57 17.29N 101.26W 16–10 4.0
NEIC VII 09 23 00 48.1 17.47N 101.19W 10 4.1 ¶12951145
MEX Error ellipse: s-maj=5.5km s-min=5.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 12 07 23 15.3–.55 16.54N 100.80W 16–63 3.9
¶13642465

MEX Error ellipse: s-maj=22.4km s-min=51.5km az=-1.0.
MEX VII 13 01 25 08.4–.69 16.18N 98.92W 16–11 3.6
NEIC VII 13 01 25 08.4 16.18N 98.92W 16 3.6 ¶12951280
MEX Error ellipse: s-maj=10.0km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 14 18 50 55.0–.62 16.70N 98.07W 37–35 3.7
NEIC VII 14 18 50 55.0 16.59N 98.03W 46 3.7 ¶12951288
MEX Error ellipse: s-maj=17.7km s-min=4.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 16 14 36 40.1–.49 16.48N 99.33W 16–7 3.6
¶13642743

MEX Error ellipse: s-maj=5.0km s-min=2.7km az=-1.0.
MEX VII 16 21 11 22.6–.48 16.98N 99.65W 30–8 3.6
¶13642747

MEX Error ellipse: s-maj=4.2km s-min=3.6km az=-1.0.
MEX VII 17 20 20 51.1–.43 16.74N 100.20W 4–2 3.8
¶13642777

MEX Error ellipse: s-maj=3.0km s-min=2.4km az=-1.0.
MEX VII 20 03 31 33.9–.76 16.62N 98.75W 9–7 4.0
NEIC VII 20 03 31 35.2 16.73N 98.62W 27 4.0 ¶12951525
MEX Error ellipse: s-maj=4.2km s-min=2.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 27 04 22 10.5–.82 16.25N 98.50W 27–10 4.2
NEIC VII 27 04 22 10.4 16.24N 98.50W 27 4.3 ¶12951700
MEX Error ellipse: s-maj=9.9km s-min=7.6km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 28 12 47 22.6–.58 17.18N 101.28W 16–17 3.5
¶13643332

MEX Error ellipse: s-maj=13.9km s-min=10.3km az=-1.0.
MEX VIII 02 13 09 33.2–1.1 16.05N 98.17W 6–9 4.2
¶13808537

MEX Error ellipse: s-maj=8.5km s-min=5.2km az=-1.0.
MEX VIII 02 15 38 34.5–1.3 16.07N 98.25W 20–180 3.8
¶13808538

MEX Error ellipse: s-maj=37.1km s-min=11.0km az=-1.0.
MEX VIII 02 17 12 34.2–.56 16.11N 98.37W 4–8 3.6
¶13808539

MEX Error ellipse: s-maj=8.1km s-min=5.0km az=-1.0.
MEX VIII 03 06 46 19.9–.70 16.85N 99.80W 16–3 3.5
¶13808570

MEX Error ellipse: s-maj=8.4km s-min=4.0km az=-1.0.
MEX VIII 03 06 56 25.7–1.1 16.75N 99.75W 16–14 3.8
¶13808571

MEX Error ellipse: s-maj=10.3km s-min=5.0km az=-1.0.
MEX VIII 04 01 28 45.2–.39 16.86N 100.18W 10–2 3.6
¶13808613

MEX Error ellipse: s-maj=3.7km s-min=2.8km az=-1.0.
MEX VIII 05 09 54 42.4–.69 17.07N 101.45W 20–28 3.8
NEIC VIII 05 09 54 43.0 17.11N 101.38W 17 3.8 ¶12099693
MEX Error ellipse: s-maj=5.4km s-min=4.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 06 17 39 04.3–.49 16.80N 100.18W 2–5 3.7
NEIC VIII 06 17 39 04.4 16.80N 100.17W 5 3.7 ¶12099727
MEX Error ellipse: s-maj=4.7km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 08 07 27 02.4–.75 16.96N 100.36W 12–3 3.8
NEIC VIII 08 07 27 02.1 16.94N 100.37W 11 3.6 ¶12099783
MEX Error ellipse: s-maj=4.5km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 08 11 19 21.3–.75 16.72N 99.75W 8–4 3.6
NEIC VIII 08 11 19 21.3 16.71N 99.77W 8 3.6 ¶12099791
MEX Error ellipse: s-maj=6.1km s-min=3.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 10 03 55 17.1–.41 16.10N 100.18W 23–27 3.6
¶13827179

MEX Error ellipse: s-maj=8.6km s-min=11.5km az=-1.0.
MEX VIII 10 06 00 31.4–.76 17.92N 101.50W 26–32 3.8
NEIC VIII 10 06 00 31.5 17.94N 101.46W 16 3.8 ¶12099833
MEX Error ellipse: s-maj=12.0km s-min=4.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 10 16 20 22.3–.84 16.98N 100.03W 17–19 3.6
NEIC VIII 10 16 20 22.0 17.07N 99.99W 2 3.5 ¶12099849
MEX Error ellipse: s-maj=7.5km s-min=3.6km az=-1.0.

NEIC Event type se. After MEX.
MEX VIII 11 20 50 29.9–.44 17.74N 101.11W 66–6 4.0
NEIC VIII 11 20 50 30.3 17.70N 101.11W 63 4.0 ¶12099875
MEX Error ellipse: s-maj=3.1km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 13 02 17 12.7–.74 16.45N 99.41W 25–30 3.5
NEIC VIII 13 02 17 12.9 16.45N 99.40W 16 3.3 ¶12099900
MEX Error ellipse: s-maj=8.4km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 14 03 55 00.4–.49 16.90N 100.20W 14–2 3.7
NEIC VIII 14 03 55 00.9 16.91N 100.18W 15 3.7 ¶12099926
MEX Error ellipse: s-maj=3.9km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 14 04 14 36.9–.82 16.19N 98.02W 4–22 3.6
NEIC VIII 14 04 14 35.6 16.09N 98.14W 5 3.6 ¶12099927
MEX Error ellipse: s-maj=16.5km s-min=20.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 16 01 46 37.5–.80 16.67N 98.73W 16–8 3.8
NEIC VIII 16 01 46 37.6 16.67N 98.74W 16 3.5 ¶12099973
MEX Error ellipse: s-maj=4.4km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 16 06 18 54.1–1.0 16.84N 100.29W 9–6 3.5
NEIC VIII 16 06 18 54.0 16.84N 100.30W 8 3.5 ¶12099977
MEX Error ellipse: s-maj=6.7km s-min=6.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 17 13 02 13.0–1.7 16.87N 99.98W 11–6 3.8
NEIC VIII 17 13 02 13.1 16.87N 99.98W 10 3.8 ¶12100010
MEX Error ellipse: s-maj=14.3km s-min=7.6km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 18 02 03 52.9–.30 17.24N 101.03W 30–5 3.6
NEIC VIII 18 02 03 53.1 17.26N 101.02W 26 3.6 ¶12100029
MEX Error ellipse: s-maj=5.8km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 19 14 52 58.7–.79 16.08N 98.33W 5–6 3.7
NEIC VIII 19 14 52 59.1 16.13N 98.37W 2 3.7 ¶12100067
MEX Error ellipse: s-maj=6.1km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 20 03 17 39.6–1.2 16.61N 99.50W 16–15 3.6
NEIC VIII 20 03 17 39.6 16.61N 99.50W 16 3.6 ¶12100077
MEX Error ellipse: s-maj=14.1km s-min=5.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 20 22 23 30.5–.98 16.64N 99.39W 12–9 3.8
NEIC VIII 20 22 23 30.5 16.64N 99.39W 12 3.8 ¶12100109
MEX Error ellipse: s-maj=5.9km s-min=2.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 21 07 10 59.4–.34 17.27N 101.21W 16–19 3.6
NEIC VIII 21 07 10 59.5 17.28N 101.20W 16 3.6 ¶12100119
MEX Error ellipse: s-maj=5.2km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 21 20 31 55.3–.79 16.67N 99.25W 20–10 3.5
¶13827734

MEX Error ellipse: s-maj=13.0km s-min=4.2km az=-1.0.
MEX VIII 22 05 23 48.9–.94 17.58N 101.99W 19–63 3.8
NEIC VIII 22 05 23 48.9 17.58N 101.99W 19 3.8 ¶12100149
MEX Error ellipse: s-maj=17.8km s-min=6.1km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 22 06 44 17.8–.88 16.82N 100.36W 15–20 3.6
NEIC VIII 22 06 44 17.8 16.82N 100.36W 15 3.6 ¶12100150
MEX Error ellipse: s-maj=10.0km s-min=5.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 22 07 40 17.2–.75 16.73N 100.23W 5–9 4.4
NEIC VIII 22 07 40 18.2 16.70N 100.25W 18 4.4 ¶12100151
MEX Error ellipse: s-maj=5.8km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 28 02 15 22.0–.46 16.32N 99.37W 29–14 3.6
NEIC VIII 28 02 15 21.7 16.31N 99.37W 14 3.5 ¶12100298
MEX Error ellipse: s-maj=6.8km s-min=3.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 29 08 18 21.4–.80 16.93N 101.22W 15–0 3.7
¶13828168

MEX Error ellipse: s-maj=9.6km s-min=5.5km az=-1.0.
MEX VIII 30 13 39 44.4–.56 16.28N 98.03W 15–3 3.7
NEIC VIII 30 13 39 44.4 16.28N 98.03W 15 3.7 ¶12100378
MEX Error ellipse: s-maj=5.6km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 31 00 42 35.1–.41 17.13N 101.21W 15–8 3.7
NEIC VIII 31 00 42 35.1 17.13N 101.21W 15 3.7 ¶12100389
MEX Error ellipse: s-maj=7.0km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 31 02 39 35.9–.58 17.87N 101.53W 51–7 3.8
NEIC VIII 31 02 39 35.9 17.87N 101.53W 51 3.8 ¶12100395
MEX Error ellipse: s-maj=6.6km s-min=3.1km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 31 15 16 42.0–1.3 17.33N 101.36W 6–129 3.5
NEIC VIII 31 15 16 42.0 17.33N 101.36W 6 3.5 ¶12100408
MEX Error ellipse: s-maj=38.8km s-min=116.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 31 22 33 57.8–.95 16.78N 99.77W 19–79 3.6
NEIC VIII 31 22 33 58.0 16.79N 99.77W 16 3.6 ¶12100416
MEX Error ellipse: s-maj=12.2km s-min=6.2km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 01 03 51 12.9–.59 16.85N 99.96W 8–5 3.5
NEIC IX 01 03 51 12.9 16.85N 99.96W 8 3.5 ¶12951815
MEX Error ellipse: s-maj=7.0km s-min=2.1km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 02 13 04 37.9–.75 16.83N 100.66W 19–44 3.6
NEIC IX 02 13 04 38.2 16.83N 100.66W 16 3.6 ¶12951838
MEX Error ellipse: s-maj=7.7km s-min=3.6km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 02 22 07 17.4–.94 16.11N 98.41W 10–9 3.5
NEIC IX 02 22 07 17.8 16.14N 98.42W 8 3.5 ¶12951828
MEX Error ellipse: s-maj=15.8km s-min=8.0km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 06 14 05 58.2–.54 16.88N 100.27W 22–6 3.6
NEIC IX 06 14 05 57.5 16.87N 100.31W 24 3.6 ¶12951924
MEX Error ellipse: s-maj=3.9km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 10 07 35 34.7–.83 16.87N 100.15W 3–5 3.5
NEIC IX 10 07 35 34.7 16.87N 100.16W 5 3.5 ¶12951983
MEX Error ellipse: s-maj=5.5km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 14 05 20 16.3–.35 16.02N 98.47W 6–5 3.8
¶13856427

MEX Error ellipse: s-maj=5.8km s-min=7.4km az=-1.0.
MEX IX 15 02 49 05.4–.76 16.44N 98.24W 12–5 3.8
NEIC IX 15 02 49 05.4 16.44N 98.24W 12 3.8 ¶12952052
MEX Error ellipse: s-maj=8.8km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 15 18 04 36.1–.51 16.87N 100.03W 13–7 3.6
NEIC IX 15 18 04 35.9 16.86N 100.03W 13 3.6 ¶12952045
MEX Error ellipse: s-maj=6.2km s-min=5.8km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 15 22 46 52.8–2.5 16.3N–.20 99.59W–.09 7–11 3.3b 21 1-28
MEX IX 15 22 46 57.4–.72 16.64N 99.45W 13–138 3.8 ¶11910373
IDC IX 15 22 46 57.2–5.8 16.79N 99.33W 0 3.8,3.7b
NEIC IX 15 22 46 57.4 16.63N 99.45W 12 3.8,3.7b
ISC Event type se.
MEX Error ellipse: s-maj=721.9km s-min=259.6km az=-1.0.
IDC Error ellipse: s-maj=110.3km s-min=21.9km az=14.0.
NEIC Event type se. After MEX.
MEX IX 19 21 13 26.8–.86 16.60N 98.82W 16–8 4.1

NEIC IX 19 21 13 26.8 16.60N 98.82W 16 4.1 ¶12952098
MEX Error ellipse: s-maj=4.8km s-min=2.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 20 18 20 53.9–.63 16.45N 100.15W 16–12 3.6
NEIC IX 20 18 20 53.8 16.45N 100.15W 16 3.6 ¶12952117
MEX Error ellipse: s-maj=9.6km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 20 18 22 54.0–1.4 16.67N 100.13W 5–0 3.8
NEIC IX 20 18 22 53.8 16.66N 100.13W 5 3.8 ¶12952116
MEX Error ellipse: s-maj=8.4km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 21 10 54 49.7–1.2 17.91N 101.38W 12–15 4.0
NEIC IX 21 10 54 49.7 17.91N 101.38W 13 4.0 ¶12952127
MEX Error ellipse: s-maj=10.3km s-min=13.0km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 21 13 41 44.9–.87 16.75N 99.26W 14–9 3.7
NEIC IX 21 13 41 44.9 16.75N 99.26W 14 3.7 ¶12952126
MEX Error ellipse: s-maj=4.9km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 21 22 58 45.7–.52 16.21N 98.33W 5–0 3.5
NEIC IX 21 22 58 45.7 16.21N 98.33W 5 3.5 ¶12952120
MEX Error ellipse: s-maj=4.2km s-min=3.6km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 22 05 55 50.7–.80 16.58N–.02 99.90W–.02 2–4 4.7b,4.0s 594 0-141
IDC IX 22 05 55 49.4–.87 16.64N 99.97W 0 4.6,4.5b ¶11284054
ISCJB IX 22 05 55 50.7–.77 16.55N–.03 99.93W–.02 16–5 4.7b,4.0s
MEX IX 22 05 55 50.6–.65 16.46N 100.15W 7–3 4.6,4.0s
NEIC IX 22 05 55 50.6 16.46N 100.15W 7 4.7b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=13.5km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.6km az=17.3.
MEX Error ellipse: s-maj=2.9km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 23 22 46 17.4–.77 16.62N–.03 99.88W–.02 13–4 4.9b,4.2s 389 0-146
IDC IX 23 22 46 14.9–.65 16.60N 99.92W 0 4.7,4.5 ¶11284494
MEX IX 23 22 46 15.9–.79 16.45N 100.11W 10–8 5.2,4.5
NEIC IX 23 22 46 15.9 16.45N 100.11W 10 5.2,5.0b
ISCJB IX 23 22 46 16.3–.77 16.60N–.03 99.92W–.02 19–5 4.9b,4.2s
MOS IX 23 22 46 19.1–.92 16.75N 99.84W 33 5.2b,4.2s
GCMT IX 23 22 46 21.8–.30 16.67N 99.79W 12 5.0W,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=20.3km s-min=10.8km az=53.0.
MEX Error ellipse: s-maj=5.6km s-min=3.4km az=-1.0.
NEIC Event type fe. Felt at Mexico. After MEX.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.1km az=32.8.
MOS Error ellipse: s-maj=9.4km s-min=4.6km az=101.4.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s43,c53; s73,c117; Moment tensor: Scale 10^{16}Nm; M_{rr}2.73±.10 $M_{\theta\theta}$-3.38±.08; $M_{\phi\phi}$0.65±.11; $M_{r\theta}$2.07±.25; $M_{\theta\phi}$0.03±.09; $M_{\phi r}$1.24±.37; Best double couple: NP1:ϕ_s292.00000°,δ32.00000°,λ127.00000°. NP2:ϕ_s70.00000°,δ65.00000°,λ70.00000°. Principal axes: T 3.8200,Plg64.0000° ,Azm306.0000°; N 0.2200,Plg18.0000°,Azm79.0000°; P -4.0400,Plg18.0000°,Azm175.0000° M_o3.90000×10^{16}
MEX IX 23 22 49 17.6–.65 16.49N 100.13W 9–15 3.6
NEIC IX 23 22 49 17.6 16.49N 100.13W 9 3.6 ¶12952147
MEX Error ellipse: s-maj=13.5km s-min=10.7km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 23 23 45 31.3–.90 16.68N 100.23W 5–0 3.7
NEIC IX 23 23 45 31.3 16.68N 100.23W 5 3.7 ¶12952145
MEX Error ellipse: s-maj=7.6km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 24 00 50 03.6–.63 16.48N 100.21W 10–0 3.5
NEIC IX 24 00 50 03.6 16.48N 100.21W 10 3.5 ¶12952178
MEX Error ellipse: s-maj=7.2km s-min=6.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 24 02 26 13.4–.36 16.45N 100.19W 10–6 3.6
NEIC IX 24 02 26 13.4 16.45N 100.19W 10 3.6 ¶12952177
MEX Error ellipse: s-maj=4.9km s-min=3.5km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 24 02 28 37.8–.49 16.52N 100.24W 4–4 3.5
NEIC IX 24 02 28 37.8 16.52N 100.24W 4 3.5 ¶12952176
MEX Error ellipse: s-maj=4.0km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 24 06 20 35.5–1.7 16.50N 100.04W 14–21 4.2
NEIC IX 24 06 20 35.5 16.50N 100.04W 14 4.2 ¶12952173
MEX Error ellipse: s-maj=14.0km s-min=10.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 24 08 27 44.5–.68 16.46N 100.28W 16–999 3.7
NEIC IX 24 08 27 44.9 16.47N 100.28W 16 3.7 ¶12952171
MEX Error ellipse: s-maj=12.6km s-min=6.7km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 24 08 40 50.7–1.1 16.59N 100.17W 5–0 3.8
NEIC IX 24 08 40 51.4 16.62N 100.17W 5 3.8 ¶12952170
MEX Error ellipse: s-maj=9.7km s-min=5.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 24 09 11 16.1–.73 16.55N 100.23W 4–8 3.6
NEIC IX 24 09 11 16.1 16.55N 100.23W 4 3.6 ¶12952169
MEX Error ellipse: s-maj=5.9km s-min=4.6km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 24 09 23 23.6–.47 16.48N 100.27W 22–25 3.5
NEIC IX 24 09 23 23.5 16.48N 100.27W 15 3.5 ¶12952168
MEX Error ellipse: s-maj=5.2km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 24 12 58 09.8–1.2 16.59N 100.20W 2–7 3.6
NEIC IX 24 12 58 09.8 16.59N 100.20W 2 3.6 ¶12952166
MEX Error ellipse: s-maj=6.8km s-min=5.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 24 20 29 58.8–1.0 16.73N 100.16W 5–0 3.6
NEIC IX 24 20 29 58.8 16.73N 100.16W 5 3.6 ¶12952163
MEX Error ellipse: s-maj=7.7km s-min=5.5km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 25 04 36 18.3–1.0 16.86N 100.18W 5–0 3.7
NEIC IX 25 04 36 18.3 16.86N 100.18W 5 3.7 ¶12952199
MEX Error ellipse: s-maj=5.5km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 25 05 55 23.3–.88 16.66N 99.72W 6–5 3.8
NEIC IX 25 05 55 23.3 16.66N 99.72W 6 3.8 ¶12952198
MEX Error ellipse: s-maj=6.3km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 25 06 13 09.4–1.0 16.53N 100.24W 3–9 3.5
NEIC IX 25 06 13 09.6 16.54N 100.26W 5 3.5 ¶12952197
MEX Error ellipse: s-maj=8.2km s-min=7.6km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 26 06 36 28.5–.61 16.15N 98.02W 8–4 3.6
NEIC IX 26 06 36 28.5 16.15N 98.02W 8 3.6 ¶12952214
MEX Error ellipse: s-maj=4.5km s-min=3.1km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 26 19 48 06.4–.54 16.06N 99.25W 16–10 3.7
NEIC IX 26 19 48 06.4 16.06N 99.25W 16 3.7 ¶12952202
MEX Error ellipse: s-maj=10.8km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 27 08 00 25.9–.71 16.46N 100.19W 13–17 3.7
NEIC IX 27 08 00 25.9 16.46N 100.19W 13 3.7 ¶12952227
MEX Error ellipse: s-maj=11.5km s-min=8.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 28 02 07 59.7–.40 16.51N 99.32W 12–5 3.7
NEIC IX 28 02 08 00.1 16.51N 99.32W 17 3.7 ¶12952238
MEX Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 29 04 27 15.9–.57 16.21N 98.21W 4–3 3.9
NEIC IX 29 04 27 15.9 16.21N 98.21W 4 3.9 ¶12952244
MEX Error ellipse: s-maj=2.9km s-min=1.8km az=-1.0.

NEIC Event type se. After MEX.
MEX IX 29 11 14 43.5–.55 17.96N 101.27W 30–30 3.7
¶13856688
MEX Error ellipse: s-maj=17.4km s-min=6.7km az=-1.0.
MEX IX 29 17 29 27.6–.52 16.39N 100.14W 18–349 3.5
¶13856690
MEX Error ellipse: s-maj=15.0km s-min=6.9km az=-1.0.
MEX IX 30 05 35 52.7–.34 16.70N 99.73W 9–2 3.5
NEIC IX 30 05 35 52.9 16.73N 99.71W 11 3.5 ¶11331031
MEX Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 30 07 45 14.8–.44 16.84N 100.10W 5–4 3.6
NEIC IX 30 07 45 14.9 16.84N 100.10W 4 3.6 ¶11331033
MEX Error ellipse: s-maj=4.9km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
MEX X 01 15 18 31.2–1.2 16.95N 100.53W 10–5 4.1
NEIC X 01 15 18 31.7 16.93N 100.53W 20 4.1 ¶13395620
MEX Error ellipse: s-maj=6.9km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 02 01 13 59.6–.84 16.46N 100.31W 15–20 3.5
NEIC X 02 01 13 59.7 16.48N 100.30W 13 3.5 ¶13395665
MEX Error ellipse: s-maj=13.6km s-min=9.1km az=-1.0.
NEIC Event type se. After MEX.
MEX X 02 04 29 21.1–.66 16.19N 98.42W 11–5 3.8
NEIC X 02 04 29 21.4 16.17N 98.41W 20 3.8 ¶13395691
MEX Error ellipse: s-maj=5.9km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 02 07 44 13.4–.74 16.54N 100.24W 7–7 3.7
¶13909468
MEX Error ellipse: s-maj=6.5km s-min=5.2km az=-1.0.
MEX X 02 21 38 59.9–.75 17.34N 101.79W 5–4 4.0
NEIC X 02 21 38 59.8 17.34N 101.79W 5 4.0 ¶13395828
MEX Error ellipse: s-maj=4.1km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 04 02 40 35.3–.77 16.94N 101.03W 24–21 3.8
NEIC X 04 02 40 35.6 16.96N 101.02W 17 3.8 ¶13395931
MEX Error ellipse: s-maj=8.5km s-min=5.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 04 06 24 56.9–.69 17.59N 101.60W 37–4 4.0
NEIC X 04 06 24 57.0 17.59N 101.59W 37 4.0 ¶13395942
MEX Error ellipse: s-maj=6.8km s-min=5.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 05 20 25 56.3–.98 16.50N 100.12W 20–5 4.0
NEIC X 05 20 25 55.9 16.49N 100.15W 21 4.0 ¶13396116
MEX Error ellipse: s-maj=5.4km s-min=4.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 07 23 39 50.8–.86 16.30N 99.34W 18–15 3.6
NEIC X 07 23 39 47.9 16.06N 99.43W 6 3.6 ¶13396350
MEX Error ellipse: s-maj=17.5km s-min=6.4km az=-1.0.
NEIC Event type se. After MEX.
MEX X 08 07 05 28.8–.70 16.45N 100.18W 19–48 4.0
NEIC X 08 07 05 28.3 16.45N 100.18W 13 4.0 ¶13396371
MEX Error ellipse: s-maj=6.3km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
ISC X 08 07 33 46.2–1.2 16.89N–.07 100.56W–.05 19–5 30 0-4
ISCJB X 08 07 33 46.0–1.1 16.88N–.07 100.55W–.04 24–6 ¶13396373
NEIC X 08 07 33 47.7 16.88N 100.56W 5 3.7
MEX X 08 07 33 47.7–.75 16.88N 100.55W 6–5 3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.4km az=20.8.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=5.4km s-min=3.2km az=-1.0.
MEX X 08 07 39 45.5–.68 16.92N 100.52W 9–5 3.7
NEIC X 08 07 39 45.0 16.88N 100.56W 5 3.7 ¶13396374
MEX Error ellipse: s-maj=6.5km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 09 01 26 45.5–.37 16.17N 98.07W 9–4 3.6
NEIC X 09 01 26 45.8 16.19N 98.07W 8 3.6 ¶13396445
MEX Error ellipse: s-maj=4.0km s-min=6.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 09 09 37 56.8–.86 16.67N 100.59W 6–5 4.1
NEIC X 09 09 37 56.2 16.58N 100.60W 9 4.1 ¶13396474
MEX Error ellipse: s-maj=6.0km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 09 13 20 04.1–.84 16.61N 100.74W 19–33 4.1
NEIC X 09 13 20 04.2 16.63N 100.74W 15 4.1 ¶13396489
MEX Error ellipse: s-maj=7.0km s-min=4.2km az=-1.0.
NEIC Event type se. After MEX.
ISC X 09 14 31 01.0–.78 16.01N–.06 99.23W–.03 10 4.1b 84 1-58
NEIC X 09 14 30 57.7 15.57N 99.39W 10 4.3,4.2b ¶12066433
ISCJB X 09 14 30 59.5–.75 15.98N–.06 99.25W–.03 10 4.1b,4.2b
MEX X 09 14 31 01.0–.48 15.89N 99.28W 5–9 4.3,4.2b
IDC X 09 14 31 03.8–4.4 16.39N 98.91W 0 4.2,4.1b
ISC Event type se.
NEIC Event type se. After MEX.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.1km az=14.8.
MEX Error ellipse: s-maj=8.7km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=82.5km s-min=16.5km az=9.0.
MEX X 10 03 08 48.4–1.2 16.65N 99.56W 13–16 3.6
NEIC X 10 03 08 46.6 16.56N 99.58W 5 3.6 ¶13396523
MEX Error ellipse: s-maj=22.7km s-min=8.4km az=-1.0.
NEIC Event type se. After MEX.
MEX X 10 11 27 02.8–.73 16.66N 99.68W 18–43 3.9
NEIC X 10 11 27 02.6 16.64N 99.67W 20 3.9 ¶13396556
MEX Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 10 20 07 24.3–.73 16.94N 98.54W 28–658 3.6
NEIC X 10 20 07 24.4 16.95N 98.54W 17 3.6 ¶13396598
MEX Error ellipse: s-maj=4.8km s-min=4.4km az=-1.0.
NEIC Event type se. After MEX.
MEX X 12 10 17 28.2–.83 17.89N 101.51W 23–12 3.9
NEIC X 12 10 17 28.0 17.88N 101.52W 30 3.9 ¶13396815
MEX Error ellipse: s-maj=6.7km s-min=3.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 14 12 38 34.6–.69 16.28N 98.32W 9–3 3.9
NEIC X 14 12 38 34.0 16.26N 98.34W 8 3.8 ¶13397045
MEX Error ellipse: s-maj=5.1km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX X 15 09 47 17.1–.68 16.80N 100.17W 9–4 3.7
NEIC X 15 09 47 17.1 16.80N 100.17W 9 3.7 ¶13397142
MEX Error ellipse: s-maj=5.3km s-min=3.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 15 16 07 16.1–.91 16.49N 98.48W 12–9 3.7
¶13909885
MEX Error ellipse: s-maj=8.9km s-min=4.7km az=-1.0.
MEX X 17 05 22 12.7–.42 16.68N 100.15W 12–6 4.3
NEIC X 17 05 22 12.7 16.68N 100.15W 12 4.3 ¶13397316
MEX Error ellipse: s-maj=4.0km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
ISC X 20 05 01 01.8–.22 17.35N–.03 101.06W–.02 10 5.1b,4.7s 895 0-152
IDC X 20 05 00 59.8–.52 17.45N 101.04W 0 4.9,4.9 ¶11360307
ISCJB X 20 05 01 00.4–.22 17.40N–.03 101.05W–.02 10 5.1b,4.7s
MEX X 20 05 01 02.2–.53 17.17N 101.37W 21–11 5.0,4.7s
MOS X 20 05 01 03.8–.93 17.50N 100.84W 33 5.3b,4.7s
NEIC X 20 05 01 04.6–.22 17.46N 101.00W 26 5.1b,5.1
BJI X 20 05 01 05.3 17.70N 100.90W 25 5.9b,5.2s
GCMT X 20 05 01 09.9–.40 17.43N 100.95W 29–0 5.2W,5.2s
ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=10.8km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=1.9km az=32.6.
MEX Error ellipse: s-maj=3.8km s-min=3.9km az=-1.0.

MOS Error ellipse: s-maj=10.7km s-min=4.9km az=97.1.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=2.5km az=214.0. Felt at Ixtapa, Mexico and Zihuatanejo.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s35,c47; s58,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}7.43±.44 $M_{\theta\theta}$-5.38±.26; $M_{\phi\phi}$-2.05±.26; $M_{r\theta}$3.66±.34; $M_{\theta\phi}$2.15±.17; $M_{\theta r}$-1.29±.44; Best double couple: NP1:ϕ_s298.00000°,δ31.00000°,λ95.00000°. NP2:ϕ_s113.00000°,δ60.00000°,λ87.00000°. Principal axes: T 8.4500,Plg75.0000° ,Azm16.0000°; N -1.0100,Plg2.0000°,Azm114.0000°; P -7.4400,Plg15.0000°,Azm205.0000° M_o7.90000×10^{16}

MEX	**X**	**20 07 33 06.0–.69**	**17.24N**	**101.23W**	**6–6**	**4.2**		
NEIC	X	20 07 33 06.2	17.23N	101.26W	10	4.2		¶13397586
MEX	Error ellipse: s-maj=5.4km s-min=4.8km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**X**	**22 07 52 29.0–.72**	**17.20N**	**101.31W**	**14–8**	**4.0**		
NEIC	X	22 07 52 29.1	17.17N	101.33W	15	4.0		¶13397776
MEX	Error ellipse: s-maj=5.5km s-min=3.9km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**X**	**22 08 32 05.5–.34**	**16.02N**	**98.27W**	**5–3**	**3.5**		
NEIC	X	22 08 32 05.5	16.02N	98.26W	5	3.5		¶13397777
MEX	Error ellipse: s-maj=3.1km s-min=3.5km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**X**	**24 12 47 30.8–.45**	**16.15N**	**98.71W**	**15–16**	**3.8**		
NEIC	X	24 12 47 30.7	16.12N	98.72W	16	3.8		¶13397964
MEX	Error ellipse: s-maj=12.1km s-min=8.9km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**X**	**26 15 50 25.3–.76**	**16.47N**	**98.49W**	**20–29**	**3.8**		
NEIC	X	26 15 50 25.3	16.47N	98.49W	20	3.8		¶13398131
MEX	Error ellipse: s-maj=5.4km s-min=3.8km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**X**	**27 18 13 03.5–.61**	**16.53N**	**98.36W**	**30–15**	**3.7**		
NEIC	X	27 18 13 03.5	16.53N	98.36W	30	3.7		¶13398279
MEX	Error ellipse: s-maj=13.5km s-min=5.3km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**X**	**28 03 11 28.5–.66**	**16.60N**	**98.15W**	**27–12**	**3.8**		
NEIC	X	28 03 11 28.5	16.62N	98.16W	25	3.8		¶13398321
MEX	Error ellipse: s-maj=9.5km s-min=6.0km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**X**	**29 08 41 46.4–.71**	**16.81N**	**99.61W**	**16–8**	**3.7**		
NEIC	X	29 08 41 46.2	16.81N	99.61W	16	3.7		¶13398516
MEX	Error ellipse: s-maj=4.3km s-min=3.0km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**X**	**30 20 17 42.9–.93**	**16.98N**	**100.66W**	**16–12**	**3.9**		
NEIC	X	30 20 17 42.9	16.98N	100.66W	16	3.9		¶13398672
MEX	Error ellipse: s-maj=11.8km s-min=4.5km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**XI**	**03 17 55 13.4–.59**	**16.90N**	**100.23W**	**5–0**	**3.7**		
								¶14011214
MEX	Error ellipse: s-maj=4.1km s-min=2.9km az=-1.0.							
MEX	**XI**	**03 20 23 04.6–1.0**	**17.36N**	**101.52W**	**5–0**	**3.9**		
								¶14011215
MEX	Error ellipse: s-maj=4.5km s-min=4.4km az=-1.0.							
MEX	**XI**	**07 04 05 03.7–.86**	**16.11N**	**98.77W**	**15–21**	**3.5**		
								¶14011357
MEX	Error ellipse: s-maj=22.0km s-min=3.9km az=-1.0.							
MEX	**XI**	**07 19 47 35.1–.63**	**16.10N**	**98.32W**	**6–4**	**4.1**		
								¶14011361
MEX	Error ellipse: s-maj=4.4km s-min=2.6km az=-1.0.							
MEX	**XI**	**09 04 23 01.1–.42**	**17.28N**	**101.26W**	**16–5**	**3.9**		
								¶14011421
MEX	Error ellipse: s-maj=4.1km s-min=3.0km az=-1.0.							
MEX	**XI**	**09 18 06 13.7–.87**	**16.54N**	**98.30W**	**16–11**	**3.5**		
								¶14011424
MEX	Error ellipse: s-maj=7.7km s-min=4.4km az=-1.0.							
MEX	**XI**	**10 00 57 51.0–.60**	**16.87N**	**100.75W**	**16–11**	**3.6**		
								¶14011453
MEX	Error ellipse: s-maj=9.7km s-min=4.8km az=-1.0.							
MEX	**XI**	**10 12 31 34.0–.66**	**17.11N**	**101.47W**	**13–12**	**3.7**		
								¶14011455
MEX	Error ellipse: s-maj=9.1km s-min=9.3km az=-1.0.							
MEX	**XI**	**10 18 05 21.0–.47**	**16.48N**	**100.16W**	**9–4**	**3.8**		
								¶14011456
MEX	Error ellipse: s-maj=4.1km s-min=4.0km az=-1.0.							
MEX	**XI**	**11 00 08 15.1–1.2**	**16.05N**	**98.53W**	**20–21**	**3.9**		
								¶14011484
MEX	Error ellipse: s-maj=26.9km s-min=11.7km az=-1.0.							
MEX	**XI**	**11 01 27 05.6–1.0**	**16.17N**	**98.83W**	**16–14**	**3.9**		
								¶14011485
MEX	Error ellipse: s-maj=17.2km s-min=3.8km az=-1.0.							
ISC	**XI**	**11 10 44 15.9–.58**	**16.93N–.05**	**100.03W–.03**	**14–3**	**4.3b,3.7s**	**98**	**0-129**
IDC	XI	11 10 44 12.1–1.9	16.81N	100.00W	0	4.3,4.2b		¶12073162
ISCJB	XI	11 10 44 14.8–.69	16.87N–.05	100.06W–.03	21–3	4.3b,3.7s		
NEIC	XI	11 10 44 14.5–.87	16.86N	99.92W	10	4.3b,3.9		
MEX	XI	11 10 44 16.7–1.1	16.88N	100.13W	4–8	3.9,3.9		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=40.0km s-min=21.8km az=16.0.							
ISCJB	Event type fe. Error ellipse: s-maj=8.8km s-min=4.2km az=15.8.							
NEIC	Event type fe. Error ellipse: s-maj=14.6km s-min=6.8km az=192.0. Felt at Acapulco.							
MEX	Error ellipse: s-maj=9.9km s-min=6.0km az=-1.0.							
ISC	**XI**	**11 10 46 34.8–.72**	**16.88N–.06**	**100.05W–.04**	**14–3**	**4.2b**	**51**	**0-128**
NEIC	XI	11 10 46 31.8–1.3	16.59N	99.89W	10	4.2b,4.0		¶12073163
ISCJB	XI	11 10 46 33.6–.93	16.82N–.06	100.10W–.04	19–4	4.2b,4.0		
MEX	XI	11 10 46 34.5–.64	16.78N	100.17W	6–3	4.0,4.0		
IDC	XI	11 10 46 44.6–11	17.11N	99.92W	93–85	4.0,3.8b		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=21.8km s-min=11.2km az=191.0.							
ISCJB	Event type se. Error ellipse: s-maj=10.5km s-min=5.6km az=22.4.							
MEX	Error ellipse: s-maj=5.3km s-min=3.5km az=-1.0.							
IDC	Error ellipse: s-maj=70.0km s-min=40.2km az=175.0.							
ISC	**XI**	**11 11 02 13.8–.85**	**16.91N–.05**	**99.89W–.04**	**0–5**	**4.6b,4.1s**	**124**	**0-99**
MEX	XI	11 11 02 06.9–.54	16.58N	100.52W	4–4	4.6,4.1s		¶11490419
ISCJB	XI	11 11 02 13.9–.47	16.97N–.05	99.87W–.04	10	4.5b,4.1s		
NEIC	XI	11 11 02 16.2–.69	17.05N	99.78W	10	4.7,4.5b		
IDC	XI	11 11 02 20.0–4.9	17.11N	99.85W	68–32	4.2,4.1		
GCMT	XI	11 11 02 22.5–.40	16.94N	99.81W	28–1	4.9W,4.1		
ISC	Event type se.							
MEX	Error ellipse: s-maj=3.9km s-min=6.7km az=-1.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.9km s-min=3.9km az=25.5.							
NEIC	Event type se. Error ellipse: s-maj=11.6km s-min=5.4km az=198.0.							
IDC	Error ellipse: s-maj=69.6km s-min=26.6km az=21.0.							
GCMT	Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s31,c35; s58,c79; Moment tensor: Scale 10^{16}Nm; M_{rr}2.31±.19 $M_{\theta\theta}$-2.02±.11; $M_{\phi\phi}$-0.30±.13; $M_{r\theta}$2.14±.18; $M_{\theta\phi}$1.02±.09; $M_{\theta r}$-0.55±.22; Best double couple: NP1:ϕ_s303.00000°,δ24.00000°,λ104.00000°. NP2:ϕ_s108.00000°,δ66.00000°,λ84.00000°. Principal axes: T 3.1900,Plg68.0000° ,Azm6.0000°; N 0.1400,Plg6.0000°,Azm110.0000°; P -3.3400,Plg21.0000°,Azm202.0000° M_o3.30000×10^{16}							
MEX	**XI**	**11 11 11 56.1–1.0**	**16.81N**	**100.17W**	**14–5**	**3.6**		
								¶14011488
MEX	Error ellipse: s-maj=9.3km s-min=6.2km az=-1.0.							
MEX	**XI**	**11 11 15 06.0–.33**	**16.82N**	**100.16W**	**18–15**	**3.6**		
								¶14011489
MEX	Error ellipse: s-maj=4.6km s-min=2.9km az=-1.0.							
MEX	**XI**	**11 11 19 50.7–.96**	**16.85N**	**100.15W**	**5–7**	**3.6**		
								¶14011490
MEX	Error ellipse: s-maj=9.5km s-min=6.3km az=-1.0.							
MEX	**XI**	**11 12 41 38.9–.90**	**16.88N**	**100.12W**	**9–4**	**4.1**		
								¶14011491
MEX	Error ellipse: s-maj=6.9km s-min=4.5km az=-1.0.							
MEX	**XI**	**11 12 48 32.3–.61**	**16.80N**	**100.16W**	**13–3**	**3.8**		
								¶14011492
MEX	Error ellipse: s-maj=5.2km s-min=3.6km az=-1.0.							
MEX	**XI**	**11 13 12 05.5–.59**	**16.80N**	**100.18W**	**7–3**	**3.8**		
								¶14011493
MEX	Error ellipse: s-maj=4.7km s-min=3.3km az=-1.0.							
MEX	**XI**	**11 21 14 32.0–.38**	**16.82N**	**100.19W**	**8–2**	**3.7**		
								¶14011495
MEX	Error ellipse: s-maj=3.1km s-min=2.0km az=-1.0.							
MEX	**XI**	**12 01 27 13.1–.63**	**16.83N**	**100.17W**	**6–3**	**3.9**		
								¶14011524
MEX	Error ellipse: s-maj=4.2km s-min=2.6km az=-1.0.							
MEX	**XI**	**12 22 50 51.1–.28**	**17.15N**	**101.09W**	**12–5**	**3.7**		
								¶14011526
MEX	Error ellipse: s-maj=5.9km s-min=3.4km az=-1.0.							
MEX	**XI**	**14 05 47 50.1–1.6**	**16.55N**	**99.31W**	**16–17**	**3.6**		
								¶14011597
MEX	Error ellipse: s-maj=12.6km s-min=4.6km az=-1.0.							
MEX	**XI**	**14 05 59 46.9–.68**	**16.58N**	**99.30W**	**16–8**	**3.8**		
								¶14011598
MEX	Error ellipse: s-maj=6.7km s-min=2.8km az=-1.0.							
MEX	**XI**	**14 06 37 13.1–.80**	**16.48N**	**99.33W**	**14–12**	**3.6**		
								¶14011599
MEX	Error ellipse: s-maj=9.8km s-min=3.2km az=-1.0.							
MEX	**XI**	**14 08 08 04.8–.49**	**16.95N**	**99.88W**	**40–5**	**3.5**		
								¶14011600
MEX	Error ellipse: s-maj=3.4km s-min=2.6km az=-1.0.							
MEX	**XI**	**14 11 54 11.7–1.2**	**16.66N**	**99.24W**	**16–999**	**3.5**		
								¶14011602
MEX	Error ellipse: s-maj=10.2km s-min=5.8km az=-1.0.							
MEX	**XI**	**16 19 14 31.7–.40**	**16.85N**	**100.26W**	**2–3**	**3.5**		
								¶14011674
MEX	Error ellipse: s-maj=2.6km s-min=2.2km az=-1.0.							
MEX	**XI**	**17 16 23 11.9–.76**	**17.12N**	**101.21W**	**5–0**	**3.7**		
								¶14011707
MEX	Error ellipse: s-maj=11.2km s-min=9.8km az=-1.0.							
MEX	**XI**	**17 22 55 05.5–.65**	**17.99N**	**101.68W**	**5–0**	**3.9**		
								¶14011709
MEX	Error ellipse: s-maj=4.0km s-min=3.0km az=-1.0.							
MEX	**XI**	**22 05 07 21.4–.56**	**16.82N**	**100.15W**	**7–2**	**3.6**		
								¶14011833
MEX	Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.							
MEX	**XI**	**22 05 08 29.2–.87**	**16.76N**	**100.19W**	**7–4**	**3.5**		
								¶14011834
MEX	Error ellipse: s-maj=5.4km s-min=3.5km az=-1.0.							
MEX	**XI**	**24 07 53 56.3–.93**	**16.85N**	**100.17W**	**6–7**	**3.7**		
								¶14011869
MEX	Error ellipse: s-maj=7.9km s-min=6.5km az=-1.0.							
MEX	**XI**	**24 08 09 58.8–.40**	**16.83N**	**100.22W**	**10–7**	**3.8**		
								¶14011870
MEX	Error ellipse: s-maj=4.2km s-min=11.3km az=-1.0.							
MEX	**XI**	**26 14 56 01.9–.74**	**16.74N**	**100.29W**	**22–11**	**3.8**		
								¶14011927
MEX	Error ellipse: s-maj=5.7km s-min=4.1km az=-1.0.							
MEX	**XI**	**28 07 11 02.9–.65**	**16.73N**	**99.74W**	**15–3**	**3.5**		
								¶14011983
MEX	Error ellipse: s-maj=5.2km s-min=3.2km az=-1.0.							
MEX	**XI**	**29 18 30 19.8–1.0**	**16.30N**	**99.17W**	**5–15**	**3.5**		
								¶14012014
MEX	Error ellipse: s-maj=12.6km s-min=5.2km az=-1.0.							
MEX	**XI**	**30 14 44 12.6–.41**	**17.90N**	**101.51W**	**6–6**	**3.9**		
								¶14012032
MEX	Error ellipse: s-maj=4.5km s-min=4.5km az=-1.0.							
MEX	**XII**	**02 21 12 26.2–.78**	**16.74N**	**99.72W**	**34–10**	**3.5**		
NEIC	XII	02 21 12 27.1	16.73N	99.71W	15	3.3		¶13836879
MEX	Error ellipse: s-maj=6.2km s-min=5.0km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**XII**	**03 04 31 06.1–1.3**	**16.77N**	**99.73W**	**16–15**	**3.7**		
NEIC	XII	03 04 31 05.5	16.79N	99.67W	6	3.3		¶13836889
MEX	Error ellipse: s-maj=10.7km s-min=5.2km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**XII**	**04 15 07 39.3–.55**	**17.16N**	**101.03W**	**6–7**	**3.9**		
NEIC	XII	04 15 07 39.8	17.12N	101.06W	11	3.9		¶13836913
MEX	Error ellipse: s-maj=6.8km s-min=4.0km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**XII**	**09 14 08 16.6–.48**	**16.60N**	**99.72W**	**5–3**	**3.5**		
								¶14268866
MEX	Error ellipse: s-maj=5.3km s-min=3.4km az=-1.0.							
MEX	**XII**	**10 03 10 14.5–1.1**	**17.76N**	**101.94W**	**20–55**	**3.9**		
								¶14268914
MEX	Error ellipse: s-maj=26.7km s-min=10.0km az=-1.0.							
MEX	**XII**	**10 04 37 47.7–.42**	**16.34N**	**98.44W**	**20–12**	**3.7**		
								¶14268916
MEX	Error ellipse: s-maj=8.1km s-min=4.7km az=-1.0.							
MEX	**XII**	**10 11 29 15.8–.79**	**16.62N**	**99.08W**	**20–98**	**3.6**		
								¶14268918
MEX	Error ellipse: s-maj=9.6km s-min=4.8km az=-1.0.							
MEX	**XII**	**10 20 49 10.4–.84**	**16.58N**	**98.10W**	**46–13**	**3.5**		
								¶14268919
MEX	Error ellipse: s-maj=8.2km s-min=7.6km az=-1.0.							
MEX	**XII**	**10 21 36 26.3–1.1**	**16.14N**	**98.13W**	**6–8**	**3.8**		
								¶14268920
MEX	Error ellipse: s-maj=7.1km s-min=5.2km az=-1.0.							
MEX	**XII**	**10 22 26 56.1–1.1**	**16.65N**	**99.59W**	**7–7**	**3.5**		
								¶14268921
MEX	Error ellipse: s-maj=19.2km s-min=8.5km az=-1.0.							
MEX	**XII**	**11 08 33 10.8–.51**	**16.86N**	**99.75W**	**27–6**	**3.5**		
								¶14268948
MEX	Error ellipse: s-maj=3.9km s-min=2.8km az=-1.0.							
MEX	**XII**	**11 15 44 24.0–.83**	**16.45N**	**98.98W**	**16–999**	**3.6**		
								¶14268951
MEX	Error ellipse: s-maj=11.4km s-min=3.7km az=-1.0.							
MEX	**XII**	**11 21 19 20.3–.28**	**17.39N**	**101.26W**	**11–2**	**4.0**		
								¶14268952
MEX	Error ellipse: s-maj=1.9km s-min=1.8km az=-1.0.							
MEX	**XII**	**11 22 02 50.8–.64**	**16.40N**	**98.60W**	**20–100**	**3.6**		
								¶14268953
MEX	Error ellipse: s-maj=12.2km s-min=4.9km az=-1.0.							
MEX	**XII**	**12 05 38 29.0–.47**	**16.92N**	**99.67W**	**6–4**	**3.7**		
								¶14268997
MEX	Error ellipse: s-maj=4.0km s-min=2.0km az=-1.0.							
MEX	**XII**	**13 05 42 38.6–.34**	**16.69N**	**99.72W**	**6–2**	**3.6**		
NEIC	XII	13 05 42 37.2	16.59N	99.77W	1	3.5		¶13837066
MEX	Error ellipse: s-maj=3.2km s-min=2.2km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**XII**	**13 08 28 02.7–.43**	**16.23N**	**98.39W**	**4–3**	**3.8**		
NEIC	XII	13 08 28 03.0	16.21N	98.40W	5	3.7		¶13837067
MEX	Error ellipse: s-maj=5.0km s-min=2.2km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**XII**	**13 19 34 46.4–.69**	**16.88N**	**100.18W**	**9–6**	**3.5**		
NEIC	XII	13 19 34 47.7	16.93N	100.13W	5	3.3		¶13837073
MEX	Error ellipse: s-maj=9.3km s-min=6.0km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**XII**	**14 15 55 48.8–.54**	**16.94N**	**99.71W**	**29–5**	**3.5**		
NEIC	XII	14 15 55 48.2	16.93N	99.65W	15	3.2		¶13837080
MEX	Error ellipse: s-maj=3.1km s-min=2.5km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**XII**	**16 19 50 43.4–1.0**	**16.53N**	**98.11W**	**11–14**	**3.9**		
NEIC	XII	16 19 50 43.1	16.54N	98.15W	10	3.9		¶13837105
MEX	Error ellipse: s-maj=5.5km s-min=5.4km az=-1.0.							
NEIC	Event type se. After MEX.							
MEX	**XII**	**17 03 07 09.2–.91**	**16.06N**	**98.12W**	**5–16**	**3.6**		
NEIC	XII	17 03 07 07.1	16.00N	98.31W	3	3.6		¶13837121
MEX	Error ellipse: s-maj=8.3km s-min=20.3km az=-1.0.							
NEIC	Event type se. After MEX.							

MEX XII 18 11 20 42.7–.46 16.79N 99.75W 11–3 3.5
NEIC XII 18 11 20 42.6 16.82N 99.74W 5 3.5 ¶13837141
MEX Error ellipse: s-maj=3.7km s-min=2.4km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 21 01 53 10.7–.57 16.50N 100.18W 10–22 3.5
NEIC XII 21 01 53 10.8 16.48N 100.19W 12 3.5 ¶13837186
MEX Error ellipse: s-maj=19.1km s-min=4.5km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 22 10 24 19.1–.38 16.52N 100.76W 4–7 4.1
NEIC XII 22 10 24 18.6 16.47N 100.77W 5 4.2 ¶13837210
MEX Error ellipse: s-maj=6.4km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 24 15 24 50.3–.75 17.07N 101.02W 16–11 3.7
NEIC XII 24 15 24 50.3 17.07N 101.02W 16 3.7 ¶13837237
MEX Error ellipse: s-maj=11.0km s-min=5.5km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 24 20 56 06.7–.94 16.37N 98.05W 6–7 3.9
NEIC XII 24 20 56 06.7 16.37N 98.04W 5 3.8 ¶13837239
MEX Error ellipse: s-maj=10.4km s-min=3.7km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 24 23 13 54.3–.67 16.90N 100.15W 10–7 3.5
NEIC XII 24 23 13 53.3 16.82N 100.21W 2 3.2 ¶13837241
MEX Error ellipse: s-maj=8.8km s-min=5.7km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 25 00 28 22.3–.59 17.41N 101.70W 11–6 3.7
¶14269421
MEX Error ellipse: s-maj=6.5km s-min=7.5km az=-1.0.
MEX XII 26 15 44 06.5–.99 16.14N 98.22W 6–8 3.9
NEIC XII 26 15 44 11.2 16.37N 98.11W 4 3.9 ¶13837274
MEX Error ellipse: s-maj=7.8km s-min=5.3km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 27 09 52 11.0–.42 16.42N 98.98W 16–8 3.6
NEIC XII 27 09 52 11.2 16.45N 98.97W 16 3.4 ¶13837287
MEX Error ellipse: s-maj=9.3km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 27 17 47 27.1–.57 16.77N 99.41W 6–5 3.7
NEIC XII 27 17 47 27.4 16.72N 99.35W 15 3.5 ¶13837294
MEX Error ellipse: s-maj=9.5km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.

(59) Guerrero.

MEX VII 01 12 25 28.6–.67 17.03N 100.42W 12–6 3.5
¶13641667
MEX Error ellipse: s-maj=11.0km s-min=4.5km az=-1.0.
MEX VII 02 13 10 54.2–.76 17.92N 99.61W 5–0 3.7
NEIC VII 02 13 10 53.9 17.91N 99.59W 5 3.7 ¶12950844
MEX Error ellipse: s-maj=3.5km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.
ISC VII 04 02 15 58.3–.60 18.12N–.05 100.40W–.05 88–5 3.8b 196 1-126
BJI VII 04 02 15 47.2 18.11N 100.43W 29 5.4b,5.3b ¶11009300
MEX VII 04 02 15 55.2–.54 18.04N 100.75W 56–17 4.2,5.3b
ISCJB VII 04 02 15 56.1–.52 17.97N–.05 100.46W–.04 91–5 3.8b,5.3b
NEIC VII 04 02 15 56.2 18.04N 100.68W 52 4.3,3.9b
IDC VII 04 02 16 06.2–3.7 18.78N 99.69W 154–41 3.6,3.5b
ISC Event type se.
MEX Error ellipse: s-maj=4.6km s-min=3.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.6km az=31.9.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=69.7km s-min=26.6km az=38.0.
MEX VII 05 14 03 22.1–1.0 17.08N 100.14W 41–11 3.8
NEIC VII 05 14 03 22.1 17.08N 100.14W 41 3.8 ¶12951040
MEX Error ellipse: s-maj=5.8km s-min=8.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 07 23 47 40.3–.81 17.35N 100.18W 20–44 3.6
¶13642032
MEX Error ellipse: s-maj=22.5km s-min=48.8km az=-1.0.
MEX VII 09 10 03 01.7–1.1 17.22N 100.30W 24–18 3.5
¶13642143
MEX Error ellipse: s-maj=5.3km s-min=12.0km az=-1.0.
MEX VII 10 19 19 01.7–1.3 17.11N 100.29W 5–0 3.6
¶13642205
MEX Error ellipse: s-maj=3.7km s-min=10.8km az=-1.0.
MEX VII 13 15 11 05.9–.31 18.25N 100.67W 56–24 3.9
¶13642536
MEX Error ellipse: s-maj=5.3km s-min=8.8km az=-1.0.
MEX VII 22 03 07 52.0–1.5 18.24N 101.60W 77–30 3.9
NEIC VII 22 03 07 52.1 18.22N 101.62W 79 3.9 ¶12951576
MEX Error ellipse: s-maj=14.3km s-min=6.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 24 02 51 10.1–.38 17.78N 100.27W 67–6 3.8
¶13643155
MEX Error ellipse: s-maj=2.1km s-min=1.7km az=-1.0.
MEX VII 29 12 40 19.6–1.5 17.09N 100.04W 27–19 3.6
NEIC VII 29 12 40 19.9 17.10N 100.03W 24 3.6 ¶12951742
MEX Error ellipse: s-maj=6.3km s-min=9.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 01 08 20 05.0–.32 18.11N 100.29W 66–7 3.7
¶13808499
MEX Error ellipse: s-maj=3.7km s-min=3.2km az=-1.0.
MEX VIII 01 17 48 18.5–.43 17.18N 100.07W 36–6 3.8
¶13808500
MEX Error ellipse: s-maj=3.1km s-min=2.8km az=-1.0.
MEX VIII 03 02 12 17.4–.86 17.99N 99.89W 56–9 3.6
¶13808569
MEX Error ellipse: s-maj=5.3km s-min=7.0km az=-1.0.
MEX VIII 04 18 44 59.8–.53 17.32N 100.35W 15–8 3.5
¶13808616
MEX Error ellipse: s-maj=3.4km s-min=15.4km az=-1.0.
MEX VIII 08 12 19 30.8–.65 17.19N 100.60W 7–6 3.4
NEIC VIII 08 12 19 31.2 17.26N 100.58W 20 3.5 ¶12099792
MEX Error ellipse: s-maj=51.3km s-min=24.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 09 21 45 03.2–.87 17.23N 100.35W 37–9 3.8
NEIC VIII 09 21 45 03.2 17.24N 100.36W 36 3.8 ¶12099825
MEX Error ellipse: s-maj=5.2km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 17 10 58 56.0–.84 18.13N 100.32W 36–47 3.6
NEIC VIII 17 10 58 56.0 18.13N 100.32W 36 3.6 ¶12100007
MEX Error ellipse: s-maj=6.9km s-min=10.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 21 09 02 21.1–.64 17.31N 100.77W 15–6 4.0
NEIC VIII 21 09 02 21.1 17.31N 100.77W 15 4.0 ¶12100122
MEX Error ellipse: s-maj=3.1km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 21 21 04 24.4–.89 18.00N 99.26W 53–7 4.0
NEIC VIII 21 21 04 24.5 18.00N 99.26W 52 4.0 ¶12100138
MEX Error ellipse: s-maj=2.5km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 27 17 08 11.3–.83 17.17N 99.82W 31–11 3.7
NEIC VIII 27 17 08 11.5 17.17N 99.82W 29 3.7 ¶12100290
MEX Error ellipse: s-maj=4.4km s-min=4.6km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 29 04 45 03.0–.59 17.21N 100.40W 27–10 3.6
NEIC VIII 29 04 45 02.8 17.21N 100.41W 27 3.5 ¶12100338
MEX Error ellipse: s-maj=10.6km s-min=5.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 31 03 02 13.6–.62 17.53N 100.64W 20–19 3.7
NEIC VIII 31 03 02 13.7 17.56N 100.65W 21 3.7 ¶12100396
MEX Error ellipse: s-maj=5.0km s-min=2.8km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 02 12 43 04.7–.76 17.07N–.05 100.93W–.03 14–5 4.0b,3.0s 147 1-140
IDC IX 02 12 43 02.4–1.4 17.27N 100.93W 0 4.1,3.9b ¶11909277
ISCJB IX 02 12 43 04.7–.84 17.03N–.05 100.95W–.03 31–6 4.0b,3.0s
MEX IX 02 12 43 04.6–.65 16.99N 101.12W 23–21 4.0,3.0s
NEIC IX 02 12 43 04.7 16.99N 101.12W 23 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=19.0km az=35.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=3.8km az=16.6.
MEX Error ellipse: s-maj=6.8km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 03 16 23 31.2–.57 17.39N 100.96W 37–13 4.0
NEIC IX 03 16 23 31.2 17.39N 100.96W 37 4.0 ¶12951868
MEX Error ellipse: s-maj=3.5km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 04 21 00 34.9–.96 18.08N 101.49W 71–16 3.9
NEIC IX 04 21 00 34.9 18.08N 101.49W 71 3.9 ¶12951885
MEX Error ellipse: s-maj=8.7km s-min=11.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 17 13 07 49.7–1.0 17.26N 100.11W 31–14 3.5
NEIC IX 17 13 07 49.6 17.26N 100.10W 33 3.5 ¶12952072
MEX Error ellipse: s-maj=4.1km s-min=6.0km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 17 14 16 56.1–.75 17.30N 100.33W 9–6 3.5
NEIC IX 17 14 16 56.2 17.30N 100.33W 11 3.5 ¶12952071
MEX Error ellipse: s-maj=4.0km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 19 13 31 49.6–.58 17.85N 99.21W 49–10 3.5
NEIC IX 19 13 31 49.6 17.85N 99.21W 49 3.5 ¶12952101
MEX Error ellipse: s-maj=3.6km s-min=5.4km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 23 22 24 10.1–.71 17.32N 99.79W 18–11 3.7
NEIC IX 23 22 24 10.1 17.32N 99.79W 18 3.7 ¶12952150
MEX Error ellipse: s-maj=6.6km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 26 13 44 23.5–.55 17.21N 99.74W 57–7 3.5
NEIC IX 26 13 44 23.5 17.21N 99.74W 57 3.5 ¶12952209
MEX Error ellipse: s-maj=2.9km s-min=4.5km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 30 07 11 23.3–.85 17.28N 100.05W 14–11 3.5
NEIC IX 30 07 11 23.3 17.28N 100.05W 14 3.5 ¶11331032
MEX Error ellipse: s-maj=4.9km s-min=4.2km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 30 10 36 17.7–.50 17.34N 100.94W 14–5 3.8
NEIC IX 30 10 36 17.9 17.34N 100.94W 17 3.8 ¶12952251
MEX Error ellipse: s-maj=3.6km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
MEX X 01 02 28 01.4–1.7 17.04N 100.87W 10–18 3.7
NEIC X 01 02 28 01.4 16.99N 100.87W 20 3.7 ¶13395573
MEX Error ellipse: s-maj=13.8km s-min=7.8km az=-1.0.
NEIC Event type se. After MEX.
MEX X 01 02 56 58.6–1.2 17.14N 100.82W 20–8 3.6
NEIC X 01 02 56 58.6 17.14N 100.82W 20 3.6 ¶13395577
MEX Error ellipse: s-maj=13.3km s-min=6.8km az=-1.0.
NEIC Event type se. After MEX.
MEX X 01 03 09 32.5–1.0 17.02N 100.85W 12–14 3.6
NEIC X 01 03 09 32.5 17.02N 100.85W 12 3.6 ¶13395579
MEX Error ellipse: s-maj=13.3km s-min=6.4km az=-1.0.
NEIC Event type se. After MEX.
MEX X 01 09 44 35.8–.93 17.07N 100.21W 18–8 3.6
NEIC X 01 09 44 35.8 17.07N 100.21W 18 3.6 ¶13395601
MEX Error ellipse: s-maj=5.7km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
MEX X 02 11 29 32.5–1.1 17.26N 100.10W 19–88 3.6
NEIC X 02 11 29 32.3 17.26N 100.11W 20 3.6 ¶13395774
MEX Error ellipse: s-maj=11.4km s-min=9.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 02 16 53 20.9–.78 17.01N 100.11W 7–5 3.8
NEIC X 02 16 53 21.2 17.01N 100.14W 12 3.8 ¶13395803
MEX Error ellipse: s-maj=6.8km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
ISC X 08 06 44 20.6–.47 17.19N–.04 100.10W–.03 34–5 3.2b 70 0-57
IDC X 08 06 44 18.0–3.5 17.36N 100.09W 0 3.7,3.7 ¶12066317
ISCJB X 08 06 44 19.5–.45 17.18N–.04 100.09W–.03 42–6 3.2b,3.7
NEIC X 08 06 44 21.7 17.19N 100.14W 39 4.3,3.7
MEX X 08 06 44 21.7–.65 17.18N 100.13W 40–6 4.3,3.7
ISC Event type se.
IDC Error ellipse: s-maj=75.5km s-min=16.6km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.4km az=22.7.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0.
MEX X 11 14 18 53.6–.77 18.33N 101.87W 19–50 3.7
NEIC X 11 14 18 53.6 18.33N 101.87W 19 3.7 ¶13396724
MEX Error ellipse: s-maj=3.4km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 15 22 25 46.3–.87 17.10N 98.61W 38–11 3.8
NEIC X 15 22 25 46.4 17.10N 98.61W 36 3.8 ¶13397196
MEX Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 19 01 12 12.6–.84 17.85N 98.06W 54–27 3.8
NEIC X 19 01 12 12.4 17.84N 98.07W 54 3.7 ¶13397455
MEX Error ellipse: s-maj=6.0km s-min=5.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 22 04 25 17.7–1.2 17.06N 100.42W 25–10 3.5
¶13910056
MEX Error ellipse: s-maj=21.6km s-min=9.2km az=-1.0.
MEX X 26 17 43 50.3–.71 17.10N 99.76W 22–22 3.8
NEIC X 26 17 43 50.3 17.10N 99.76W 22 3.8 ¶13398147
MEX Error ellipse: s-maj=5.1km s-min=2.8km az=-1.0.
NEIC Event type se. After MEX.
ISC X 28 09 10 17.2–.56 17.17N–.03 100.04W–.03 26–4 4.2b,3.3s 99 0-129
IDC X 28 09 10 11.2–1.7 17.07N 99.71W 0 4.4,4.3b ¶12071321
ISCJB X 28 09 10 16.6–.43 17.15N–.04 100.07W–.02 38–4 4.2b,3.3s
MEX X 28 09 10 19.0–.67 17.16N 100.07W 25–6 4.5,3.3s
NEIC X 28 09 10 19.0 17.16N 100.07W 25 4.5,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=35.6km s-min=31.4km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=11.2.
MEX Error ellipse: s-maj=3.1km s-min=3.1km az=-1.0.
NEIC Event type se. After MEX.
MEX X 29 04 48 55.9–.73 17.15N 100.38W 28–8 3.5
NEIC X 29 04 48 55.8 17.14N 100.38W 30 3.5 ¶13398488
MEX Error ellipse: s-maj=6.0km s-min=5.5km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 04 08 00 12.4–2.0 17.75N 98.65W 82–33 3.7
¶14011239
MEX Error ellipse: s-maj=8.9km s-min=7.3km az=-1.0.
MEX XI 08 06 27 02.7–.69 18.25N 101.99W 14–6 4.1
¶14011390
MEX Error ellipse: s-maj=2.3km s-min=2.1km az=-1.0.
MEX XI 08 08 23 42.1–.63 17.53N 99.55W 6–5 3.6
¶14011392
MEX Error ellipse: s-maj=2.5km s-min=3.0km az=-1.0.
MEX XI 09 23 08 42.0–.43 17.94N 100.38W 29–22 3.8
¶14011427
MEX Error ellipse: s-maj=5.2km s-min=3.5km az=-1.0.
MEX XI 10 22 13 29.1–.80 17.44N 100.21W 18–30 3.6
¶14011457
MEX Error ellipse: s-maj=17.4km s-min=35.0km az=-1.0.
MEX XI 14 14 22 47.8–1.2 17.23N 100.09W 8–14 3.5
¶14011603
MEX Error ellipse: s-maj=7.3km s-min=5.5km az=-1.0.
ISC XI 17 08 25 05.0–.71 17.27N–.05 100.77W–.03 19–6 3.7b 48 1-128

ISCJB XI 17 08 25 04.7–.66 17.29N–.05 100.77W–.03 24–7 3.7b ¶12073837
NEIC XI 17 08 25 05.0 17.31N 100.77W 1 4.2b,4.0
IDC XI 17 08 25 06.0–1.8 17.29N 100.69W 38–5 3.6,3.5
MEX XI 17 08 25 05.8–.49 17.31N 100.77W 1–4 4.0,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.9km az=15.2.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=47.2km s-min=29.4km az=44.0.
MEX Error ellipse: s-maj=3.3km s-min=1.5km az=-1.0.
MEX XI 17 17 08 58.1–.90 17.27N 100.25W 40–10 3.8
¶14011708

MEX Error ellipse: s-maj=5.0km s-min=4.6km az=-1.0.
ISC XI 18 05 47 00.9–.56 17.26N–.05 100.27W–.03 33–6 3.4b 25 0-57
ISCJB XI 18 05 47 00.3–.51 17.27N–.04 100.27W–.03 36–10 3.4b ¶14011746
MEX XI 18 05 47 02.4–.65 17.26N 100.29W 35–7 4.1
IDC XI 18 05 47 22.7–12 18.36N 103.80W 0 3.8,3.6
ISCJB Error ellipse: s-maj=6.7km s-min=4.8km az=13.1.
MEX Error ellipse: s-maj=3.1km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=225.1km s-min=168.0km az=12.0.
MEX XI 18 17 18 57.6–1.6 17.64N 99.67W 5–0 3.7
¶14011747

MEX Error ellipse: s-maj=3.6km s-min=5.2km az=-1.0.
MEX XI 19 12 44 35.9–.33 17.08N 100.85W 11–7 3.7
¶14011768

MEX Error ellipse: s-maj=6.6km s-min=3.4km az=-1.0.
MEX XI 20 00 30 40.1–.87 18.50N 101.68W 49–19 3.9
¶14011794

MEX Error ellipse: s-maj=3.5km s-min=5.8km az=-1.0.
MEX XI 29 01 26 47.2–.36 18.09N 100.80W 66–8 3.5
¶14012009

MEX Error ellipse: s-maj=3.6km s-min=1.7km az=-1.0.
MEX XII 05 02 13 18.3–.84 17.15N 99.95W 38–15 3.5
NEIC XII 05 02 13 18.7 17.17N 99.93W 30 3.3 ¶13836923
MEX Error ellipse: s-maj=5.8km s-min=6.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 06 02 45 47.7–.91 17.33N 100.79W 20–14 4.0
NEIC XII 06 02 45 47.7 17.33N 100.79W 20 4.0 ¶13836940
MEX Error ellipse: s-maj=6.7km s-min=3.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 07 14 16 36.7–1.1 17.18N 100.57W 5–9 3.6
NEIC XII 07 14 16 36.8 17.16N 100.58W 9 3.6 ¶13836968
MEX Error ellipse: s-maj=17.4km s-min=9.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 08 08 51 18.0–.65 17.16N 100.34W 25–6 3.5
NEIC XII 08 08 51 17.9 17.14N 100.35W 27 3.5 ¶13836982
MEX Error ellipse: s-maj=4.6km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 09 23 44 12.6–.25 17.97N–.02 98.39W–.03 63–2 4.5b 469 1-140
ISCJB XII 09 23 44 11.6–.26 17.98N–.03 98.36W–.03 72–2 4.4b ¶12076636
NEIC XII 09 23 44 11.0 18.01N 98.48W 80 4.6,4.5b
IDC XII 09 23 44 12.5–.73 18.21N 98.18W 56–5 4.4,4.2
MEX XII 09 23 44 13.8–.45 17.95N 98.48W 36–16 4.6,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.0km az=135.9.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=20.6km s-min=9.1km az=33.0.
MEX Error ellipse: s-maj=2.0km s-min=3.1km az=-1.0.
MEX XII 11 09 35 07.8–1.2 18.66N 100.93W 67–22 3.8
¶14268950

MEX Error ellipse: s-maj=4.3km s-min=5.0km az=-1.0.
MEX XII 12 08 29 17.5–.68 17.51N 100.79W 20–35 3.6
NEIC XII 12 08 29 17.5 17.51N 100.79W 20 3.6 ¶13837057
MEX Error ellipse: s-maj=4.1km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 21 14 15 46.4–.85 18.01N 101.69W 16–9 3.9
NEIC XII 21 14 15 45.9 17.98N 101.70W 11 3.9 ¶13837191
MEX Error ellipse: s-maj=3.6km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 21 17 11 58.0–.71 17.61N 99.27W 44–31 3.6
¶14269282

MEX Error ellipse: s-maj=10.4km s-min=24.6km az=-1.0.
MEX XII 26 16 25 14.6–.59 17.12N 99.71W 35–13 3.6
NEIC XII 26 16 25 13.9 17.10N 99.69W 42 3.4 ¶13837276
MEX Error ellipse: s-maj=5.1km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 26 18 27 55.0–.42 17.01N 99.37W 14–21 3.6
¶14269441

MEX Error ellipse: s-maj=11.2km s-min=18.5km az=-1.0.
MEX XII 29 13 02 03.5–.70 17.03N 100.10W 20–10 3.6
NEIC XII 29 13 02 03.3 17.02N 100.10W 19 3.4 ¶13837337
MEX Error ellipse: s-maj=5.1km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 29 15 21 01.2–.40 17.14N 100.97W 20–0 3.5
¶14269516

MEX Error ellipse: s-maj=2.2km s-min=1.2km az=-1.0.
MEX XII 30 02 00 45.4–.57 17.22N 100.34W 30–7 3.5
NEIC XII 30 02 00 45.5 17.22N 100.34W 28 3.5 ¶13837352
MEX Error ellipse: s-maj=3.7km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 30 08 56 59.6–.47 17.91N 100.67W 32–11 3.6
¶14269536

MEX Error ellipse: s-maj=8.1km s-min=4.8km az=-1.0.
MEX XII 31 14 48 20.8–.57 18.12N 99.89W 50–12 3.7
NEIC XII 31 14 48 21.2 18.13N 99.92W 44 3.7 ¶13837383
MEX Error ellipse: s-maj=4.6km s-min=10.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 31 23 09 08.7–.54 17.34N 100.14W 25–63 3.6
NEIC XII 31 23 09 08.8 17.33N 100.15W 29 3.6 ¶13837387
MEX Error ellipse: s-maj=26.4km s-min=17.7km az=-1.0.
NEIC Event type se. After MEX.

(60) Oaxaca.

MEX VII 01 07 52 35.2–.43 16.29N 97.61W 6–8 3.9
NEIC VII 01 07 52 35.1 16.25N 97.62W 3 3.9 ¶12950828
MEX Error ellipse: s-maj=3.2km s-min=4.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 02 09 02 17.6–1.2 16.72N 94.41W 122–24 3.8
¶13641735

MEX Error ellipse: s-maj=10.8km s-min=5.6km az=-1.0.
ISC VII 03 18 21 24.4–.29 16.13N–.04 94.05W–.03 86–2 4.8b 812 1-143
MOS VII 03 18 21 15.1–.97 15.84N 94.23W 33 5.3b,4.0s ¶13379311
NEIC VII 03 18 21 17.6–.82 15.82N 94.13W 42–6 5.0b,4.5
MEX VII 03 18 21 20.9–.76 15.72N 94.49W 58–20 4.5,4.5
IDC VII 03 18 21 20.1–.71 15.82N 94.34W 71–5 4.5,4.4
CASC VII 03 18 21 20.3–1.4 15.56N 94.41W 160–25 5.0b,4.6
ISCJB VII 03 18 21 22.8–.31 16.09N–.04 94.12W–.03 87–2 4.8b,4.6
SZGRF VII 03 18 21 23.8 17.02N 93.56W 33 5.4b,4.6
BGS VII 03 18 21 29.7–1.6 18.05N 93.19W 40–0 5.0b,4.6
ISC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=4.8km az=77.5.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.3km az=212.0.
MEX Error ellipse: s-maj=3.9km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=15.9km s-min=6.1km az=55.0.
CASC Error ellipse: s-maj=25.2km s-min=12.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=1.9km az=35.3.
SZGRF Chiapas, Mexico.
BGS Error ellipse: s-maj=580.7km s-min=686.4km az=-1.0.
MEX VII 09 12 17 53.6–1.2 16.09N 95.82W 16–14 3.9
NEIC VII 09 12 17 53.6 16.09N 95.82W 16 3.9 ¶12951153
MEX Error ellipse: s-maj=4.9km s-min=6.6km az=-1.0.
NEIC Event type se. After MEX.

MEX VII 10 05 10 33.3–.77 16.05N 94.02W 94–11 4.0
NEIC VII 10 05 10 33.3 16.05N 94.02W 94 4.0 ¶12951166
MEX Error ellipse: s-maj=5.0km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 10 07 20 57.1–.69 16.75N 94.59W 115–8 3.9
NEIC VII 10 07 20 57.1 16.75N 94.59W 115 3.9 ¶12951191
MEX Error ellipse: s-maj=6.8km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 10 23 12 37.7–1.6 16.84N 94.65W 100–38 3.9
NEIC VII 10 23 12 37.7 16.84N 94.65W 100 3.9 ¶12951173
MEX Error ellipse: s-maj=14.4km s-min=7.3km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 11 01 57 11.7–1.0 17.09N 95.39W 113–8 3.9
NEIC VII 11 01 57 11.7 17.09N 95.39W 113 3.9 ¶12951215
MEX Error ellipse: s-maj=6.9km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
ISC VII 11 10 42 31.6–.31 16.71N–.04 94.23W–.02 133–3 4.0b 80 1-134
ISCJB VII 11 10 42 30.4–.31 16.75N–.05 94.23W–.02 137–4 4.0b ¶13388731
IDC VII 11 10 42 30.6–.53 16.87N 93.98W 122–7 3.9,3.8b
MEX VII 11 10 42 33.1–1.2 16.77N 94.23W 130–10 4.4,3.8b
NEIC VII 11 10 42 33.1 16.77N 94.23W 130 4.3,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.6km az=13.3.
IDC Error ellipse: s-maj=32.4km s-min=8.4km az=35.0.
MEX Error ellipse: s-maj=7.0km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 11 19 19 57.7–.57 16.39N 96.09W 69–8 3.8
¶13642258

MEX Error ellipse: s-maj=4.7km s-min=3.9km az=-1.0.
MEX VII 15 00 56 24.8–.64 16.11N 97.54W 16–999 3.6
NEIC VII 15 00 56 24.8 16.11N 97.54W 16 3.6 ¶12951335
MEX Error ellipse: s-maj=6.0km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 16 09 12 03.2–1.3 16.10N 95.58W 81–18 3.9
¶13642741

MEX Error ellipse: s-maj=12.0km s-min=9.5km az=-1.0.
MEX VII 16 13 35 29.4–.57 16.75N 95.40W 130–13 3.8
¶13642742

MEX Error ellipse: s-maj=8.6km s-min=4.3km az=-1.0.
ISC VII 18 05 00 29.3–.27 17.96N–.03 97.32W–.03 69–3 4.0b 363 0-131
BJI VII 18 05 00 27.6 18.00N 97.40W 61 4.6s,4.4 ¶11153459
ISCJB VII 18 05 00 28.4–.28 17.99N–.03 97.25W–.04 77–3 4.0b,4.4
IDC VII 18 05 00 30.8–2.2 18.23N 97.10W 77–23 4.1,3.9
NEIC VII 18 05 00 30.6 17.98N 97.45W 61 4.1b,4.1
MEX VII 18 05 00 30.8–1.1 17.98N 97.45W 60–18 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.1km az=145.5.
IDC Error ellipse: s-maj=41.6km s-min=16.0km az=39.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=6.4km s-min=6.5km az=-1.0.
MEX VII 19 19 58 35.2–.32 16.16N 96.79W 30–37 3.8
NEIC VII 19 19 58 35.2 16.16N 96.79W 30 3.8 ¶12951447
MEX Error ellipse: s-maj=3.0km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 20 04 36 42.5–.91 16.17N 97.31W 5–9 3.9
NEIC VII 20 04 36 43.8 16.16N 97.33W 29 3.9 ¶12951524
MEX Error ellipse: s-maj=4.3km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 21 00 53 19.9–.46 16.08N 96.54W 43–16 3.5
¶13643003

MEX Error ellipse: s-maj=3.8km s-min=3.9km az=-1.0.
MEX VII 21 14 45 50.1–.76 17.16N 95.06W 154–12 3.7
¶13643004

MEX Error ellipse: s-maj=7.5km s-min=3.2km az=-1.0.
MEX VII 22 02 38 39.7–.45 16.05N 95.04W 86–15 4.1
NEIC VII 22 02 38 39.7 16.10N 95.03W 82 4.2 ¶12951578
MEX Error ellipse: s-maj=6.5km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 23 01 38 09.6–.87 16.31N 97.58W 30–0 3.5
¶13643097

MEX Error ellipse: s-maj=6.4km s-min=3.0km az=-1.0.
MEX VII 23 15 03 38.5–.54 16.75N 95.11W 107–14 3.5
¶13643099

MEX Error ellipse: s-maj=6.8km s-min=5.4km az=-1.0.
MEX VII 24 20 10 12.2–1.4 16.71N 94.85W 140–22 3.7
¶13643157

MEX Error ellipse: s-maj=12.9km s-min=5.2km az=-1.0.
MEX VII 25 14 24 46.8–1.1 16.04N 97.63W 21–73 3.8
¶13643211

MEX Error ellipse: s-maj=7.1km s-min=5.1km az=-1.0.
MEX VII 27 00 03 02.3–.62 16.13N 97.96W 22–17 4.0
NEIC VII 27 00 03 02.3 16.13N 97.96W 22 4.3 ¶12951704
MEX Error ellipse: s-maj=9.4km s-min=3.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 28 05 16 04.8–.65 16.54N 94.71W 106–11 3.8
NEIC VII 28 05 16 05.8 16.43N 94.64W 92 3.8 ¶12951722
MEX Error ellipse: s-maj=7.0km s-min=3.1km az=-1.0.
NEIC Event type se. After MEX.
ISC VII 30 10 23 35.2–.19 16.30N–.03 95.71W–.02 43 5.2b,4.7s 1000 1-153
ISCJB VII 30 10 23 33.3–.19 16.31N–.03 95.75W–.02 41 5.2b,4.7s ¶11153972
SZGRF VII 30 10 23 33.4 16.02N 95.72W 33 5.2b,4.8s
MEX VII 30 10 23 33.8–.48 15.97N 96.10W 49–5 5.1,4.8s
IDC VII 30 10 23 33.5–.46 16.16N 95.86W 39–3 4.8,4.8
NEIC VII 30 10 23 33.9 15.98N 96.10W 50 5.3b,4.7s
MOS VII 30 10 23 33.9–.90 16.34N 95.78W 48 5.5b,4.6s
GCMT VII 30 10 23 35.0–.20 16.30N 96.04W 36–0 5.3W,4.6s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=1.9km az=28.8.
SZGRF Oaxaca, Mexico.
MEX Error ellipse: s-maj=4.5km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=15.2km s-min=10.5km az=79.0.
NEIC Event type fe. Felt at Huatulco and Oaxaca. After MEX.
MOS Error ellipse: s-maj=6.5km s-min=3.9km az=88.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s84,c135; s83,c147; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s347.00000°,δ39.00000°,λ-42.00000°. NP2:ϕ_s112.00000°,δ65.00000°,λ-121.00000°. Principal axes: T 1.1800,Plg15.0000°,Azm224.0000°; N -0.1400,Plg28.0000°,Azm126.0000°; P -1.0400,Plg58.0000°,Azm339.0000° $M_0$1.10000×10^{17}
MEX VII 30 23 56 26.2–1.1 17.03N 95.03W 164–17 4.1
¶13643411

MEX Error ellipse: s-maj=11.6km s-min=5.0km az=-1.0.
MEX VIII 02 11 29 43.9–.57 16.78N 95.23W 102–6 3.8
¶13808536

MEX Error ellipse: s-maj=5.1km s-min=2.4km az=-1.0.
MEX VIII 04 07 48 41.7–1.1 16.74N 94.99W 110–28 3.7
¶13808614

MEX Error ellipse: s-maj=10.6km s-min=5.3km az=-1.0.
MEX VIII 06 03 37 05.7–.84 17.45N 95.80W 134–15 3.8
NEIC VIII 06 03 37 05.7 17.45N 95.80W 134 3.8 ¶12099712
MEX Error ellipse: s-maj=9.5km s-min=10.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 07 03 52 31.1–1.1 17.17N 96.76W 55–6 3.6
NEIC VIII 07 03 52 30.9 17.18N 96.77W 56 3.5 ¶12099740
MEX Error ellipse: s-maj=8.5km s-min=8.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 08 17 59 16.4–1.4 16.65N 94.74W 86–35 4.0
¶13827106

MEX Error ellipse: s-maj=10.9km s-min=4.7km az=-1.0.
MEX VIII 10 02 21 03.1–.54 16.14N 94.28W 81–14 3.9
¶13827178

MEX Error ellipse: s-maj=4.5km s-min=3.1km az=-1.0.
MEX VIII 12 00 19 14.7–.66 16.01N 97.60W 16–841 3.6
¶13827271

MEX Error ellipse: s-maj=8.5km s-min=5.8km az=-1.0.
MEX VIII 13 21 31 21.0–.82 16.06N 97.75W 27–22 3.6
¶13827319

MEX Error ellipse: s-maj=8.3km s-min=8.1km az=-1.0.
MEX VIII 15 04 04 24.8–.69 16.01N 96.87W 15–7 3.6
NEIC VIII 15 04 04 24.9 15.99N 96.86W 20 3.6 ¶12099955
MEX Error ellipse: s-maj=3.6km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 16 09 46 14.5–.62 16.13N 94.93W 55–16 3.8
NEIC VIII 16 09 46 14.4 16.13N 94.92W 57 3.8 ¶12099982
MEX Error ellipse: s-maj=3.5km s-min=2.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 16 12 32 53.5–.73 17.43N 95.10W 143–16 3.8
NEIC VIII 16 12 32 53.2 17.42N 95.11W 147 3.8 ¶12099986
MEX Error ellipse: s-maj=9.7km s-min=4.6km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 17 23 16 09.6–1.3 16.12N 97.71W 20–15 3.7
NEIC VIII 17 23 16 09.7 16.12N 97.70W 20 3.7 ¶12100025
MEX Error ellipse: s-maj=9.6km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 18 23 39 46.5–1.2 16.03N 97.73W 20–78 3.7
NEIC VIII 18 23 39 46.5 16.03N 97.73W 20 3.7 ¶12100045
MEX Error ellipse: s-maj=8.8km s-min=6.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 19 10 23 20.5–2.4 16.63N 94.74W 82–54 4.0
NEIC VIII 19 10 23 20.1 16.58N 94.72W 94 4.0 ¶12100059
MEX Error ellipse: s-maj=16.9km s-min=6.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 20 01 19 23.9–.86 16.87N 94.83W 137–22 3.7
NEIC VIII 20 01 19 23.9 16.87N 94.83W 137 3.7 ¶12100075
MEX Error ellipse: s-maj=11.6km s-min=5.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 20 22 42 42.1–1.3 16.70N 95.59W 142–24 3.5
¶13827674

MEX Error ellipse: s-maj=18.2km s-min=30.3km az=-1.0.
MEX VIII 21 00 45 54.1–1.0 17.04N 95.35W 121–9 3.8
NEIC VIII 21 00 45 54.1 17.04N 95.35W 121 3.8 ¶12100115
MEX Error ellipse: s-maj=8.7km s-min=4.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 23 17 51 44.1–.67 17.25N 96.59W 79–6 3.6
¶13827830

MEX Error ellipse: s-maj=5.5km s-min=7.5km az=-1.0.
MEX VIII 28 15 29 11.4–.39 16.19N 97.58W 6–4 3.5
¶13828096

MEX Error ellipse: s-maj=2.5km s-min=1.4km az=-1.0.
MEX VIII 30 06 35 12.6–.74 16.05N 97.05W 27–18 3.9
NEIC VIII 30 06 35 12.5 16.04N 97.05W 28 3.8 ¶12100369
MEX Error ellipse: s-maj=3.6km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 01 07 49 37.3–1.4 16.60N–.06 97.18W–.06 33–13 18 1-3
ISCJB IX 01 07 49 37.3–.70 16.60N–.05 97.19W–.05 33 ¶12951820
MEX IX 01 07 49 39.5–.49 16.62N 97.18W 31–21 3.5
NEIC IX 01 07 49 39.5 16.62N 97.18W 31 3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.9km az=31.2.
MEX Error ellipse: s-maj=3.9km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 02 03 38 33.7–1.6 17.38N 95.41W 140–24 3.9
¶13856070

MEX Error ellipse: s-maj=15.7km s-min=6.2km az=-1.0.
MEX IX 02 11 40 13.9–1.4 16.92N 94.85W 126–23 4.0
NEIC IX 02 11 40 13.9 16.92N 94.85W 126 4.0 ¶12951840
MEX Error ellipse: s-maj=14.0km s-min=5.2km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 03 11 08 01.2–1.0 16.39N 95.89W 13–13 3.8
NEIC IX 03 11 08 01.2 16.39N 95.89W 13 3.8 ¶12951881
MEX Error ellipse: s-maj=4.0km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 04 11 56 50.9–1.2 16.01N 97.57W 16–46 3.9
NEIC IX 04 11 56 50.9 16.01N 97.57W 16 3.9 ¶12951895
MEX Error ellipse: s-maj=12.1km s-min=6.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 05 05 57 43.1–.86 17.48N 95.15W 156–17 4.0
NEIC IX 05 05 57 44.0 17.53N 95.09W 135 4.0 ¶12951916
MEX Error ellipse: s-maj=9.0km s-min=4.6km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 05 08 21 57.5–.46 16.08N 97.56W 15–5 3.9
NEIC IX 05 08 21 57.5 16.08N 97.56W 15 3.9 ¶12951913
MEX Error ellipse: s-maj=3.2km s-min=1.6km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 06 23 51 50.4–1.0 17.27N 95.01W 133–19 4.1
¶13856190

MEX Error ellipse: s-maj=9.4km s-min=3.8km az=-1.0.
MEX IX 07 20 28 55.7–.47 16.37N 97.46W 15–6 3.6
¶13856211

MEX Error ellipse: s-maj=3.4km s-min=2.4km az=-1.0.
MEX IX 08 01 00 58.8–1.4 17.00N 94.65W 137–21 3.7
NEIC IX 08 01 00 58.9 17.00N 94.64W 136 3.7 ¶12951954
MEX Error ellipse: s-maj=13.3km s-min=4.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 08 11 29 34.0–1.4 16.50N 94.73W 85–32 3.9
NEIC IX 08 11 29 34.0 16.49N 94.73W 85 3.9 ¶12951946
MEX Error ellipse: s-maj=11.4km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 08 13 58 10.4–1.6 16.67N 94.95W 104–31 3.9
NEIC IX 08 13 58 10.4 16.67N 94.95W 104 3.9 ¶12951944
MEX Error ellipse: s-maj=14.9km s-min=6.2km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 08 15 37 11.6–.93 16.09N–.07 95.26W–.03 76–20 32 1-4
ISCJB IX 08 15 37 10.4–.89 16.08N–.07 95.27W–.03 88–17 ¶12951943
MEX IX 08 15 37 12.4–1.0 16.09N 95.25W 84–19 4.1
NEIC IX 08 15 37 12.3 16.07N 95.25W 86 4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=4.3km az=14.7.
MEX Error ellipse: s-maj=11.5km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 08 18 25 17.5–1.4 16.87N 95.05W 132–22 3.8
NEIC IX 08 18 25 17.5 16.87N 95.05W 132 3.8 ¶12951942
MEX Error ellipse: s-maj=11.4km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 10 03 57 19.7–1.5 16.89N 94.30W 137–16 3.7
NEIC IX 10 03 57 19.7 16.89N 94.30W 137 3.7 ¶12951986
MEX Error ellipse: s-maj=14.8km s-min=7.4km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 10 05 05 01.5–.41 16.34N–.04 94.79W–.04 59–4 4.2b 284 1-85
MEX IX 10 05 04 59.4–1.4 15.91N 95.07W 78–28 4.2 ¶11909936
NEIC IX 10 05 04 59.4 15.91N 95.07W 78 4.3b
ISCJB IX 10 05 05 00.5–.44 16.33N–.04 94.74W–.04 69–4 4.2b
IDC IX 10 05 05 02.2–.98 16.48N 94.62W 72–6 4.0,3.9
CASC IX 10 05 05 02.1–1.8 15.97N 94.68W 166–59 4.4,4.3b
ISC Event type se.
MEX Error ellipse: s-maj=13.4km s-min=5.8km az=-1.0.
NEIC Event type se. After MEX.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.1km az=39.3.
IDC Error ellipse: s-maj=35.5km s-min=12.0km az=56.0.
CASC Error ellipse: s-maj=64.1km s-min=30.9km az=-1.0.
MEX IX 11 08 48 03.3–1.6 16.49N 94.05W 118–16 3.8
NEIC IX 11 08 48 03.2 16.50N 94.05W 119 3.8 ¶12951995

MEX Error ellipse: s-maj=10.6km s-min=5.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 11 15 08 51.7–1.4 16.65N 94.96W 88–14 4.0
NEIC IX 11 15 08 51.9 16.64N 94.96W 86 4.0 ¶12952004
MEX Error ellipse: s-maj=8.5km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 12 03 03 45.3–1.1 17.23N 95.33W 140–16 3.8
NEIC IX 12 03 03 44.5 17.13N 95.44W 164 3.8 ¶12952020
MEX Error ellipse: s-maj=8.3km s-min=5.2km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 12 11 41 41.2–1.2 17.08N 95.50W 142–17 3.8
NEIC IX 12 11 41 41.3 17.08N 95.50W 141 3.9 ¶12952011
MEX Error ellipse: s-maj=11.4km s-min=5.5km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 12 21 14 12.5–.82 16.64N 94.17W 124–14 3.7
NEIC IX 12 21 14 12.7 16.64N 94.17W 122 3.7 ¶12952008
MEX Error ellipse: s-maj=8.5km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 13 02 13 35.5–.61 16.73N 94.09W 126–12 3.9
NEIC IX 13 02 13 35.5 16.73N 94.09W 126 3.9 ¶12952031
MEX Error ellipse: s-maj=7.9km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 16 06 08 51.9–1.2 16.91N 95.53W 8–17 3.9
¶13856461

MEX Error ellipse: s-maj=10.6km s-min=5.9km az=-1.0.
MEX IX 18 12 13 10.3–.83 16.67N 94.79W 106–8 3.9
NEIC IX 18 12 13 10.3 16.67N 94.79W 106 3.9 ¶12952084
MEX Error ellipse: s-maj=6.5km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 22 01 02 58.4–.84 17.02N 95.33W 116–10 4.0
NEIC IX 22 01 02 58.4 17.02N 95.33W 116 4.0 ¶12952144
MEX Error ellipse: s-maj=14.5km s-min=4.2km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 22 08 31 17.9–1.4 16.07N 97.56W 16–15 3.9
NEIC IX 22 08 31 17.9 16.07N 97.56W 16 3.9 ¶12952141
MEX Error ellipse: s-maj=8.0km s-min=5.2km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 22 12 07 08.7–.38 16.12N 97.27W 29–19 3.5
NEIC IX 22 12 07 08.7 16.12N 97.27W 29 3.5 ¶12952139
MEX Error ellipse: s-maj=2.5km s-min=1.7km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 22 13 11 48.5–1.5 16.22N 94.59W 82–19 4.2
NEIC IX 22 13 11 48.5 16.22N 94.59W 82 4.2 ¶12952138
MEX Error ellipse: s-maj=8.3km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 25 03 26 03.1–1.4 17.83N 95.01W 38–41 3.8
NEIC IX 25 03 26 03.1 17.83N 95.01W 41 3.8 ¶12952181
MEX Error ellipse: s-maj=9.0km s-min=4.5km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 26 00 19 16.9–1.6 16.40N 94.46W 84–31 3.7
NEIC IX 26 00 19 16.9 16.40N 94.46W 84 3.7 ¶12952216
MEX Error ellipse: s-maj=11.3km s-min=5.6km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 27 07 13 27.5–1.2 16.90N 94.26W 137–12 3.9
NEIC IX 27 07 13 27.5 16.90N 94.26W 137 3.9 ¶12952228
MEX Error ellipse: s-maj=13.0km s-min=4.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 29 12 43 45.6–.55 16.94N 95.40W 138–8 3.9
NEIC IX 29 12 43 45.6 16.94N 95.40W 138 3.9 ¶12952242
MEX Error ellipse: s-maj=4.3km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 02 07 56 55.7–.65 16.25N 94.78W 138–17 4.1
NEIC X 02 07 56 55.9 16.27N 94.80W 137 4.1 ¶13395753
MEX Error ellipse: s-maj=11.0km s-min=13.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 03 01 12 37.1–.69 16.49N 94.60W 105–8 3.9
NEIC X 03 01 12 37.1 16.48N 94.60W 105 3.9 ¶13395846
MEX Error ellipse: s-maj=5.8km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 03 19 03 03.9–.45 16.82N 95.19W 108–4 3.9
NEIC X 03 19 03 04.0 16.81N 95.19W 108 3.9 ¶13395903
MEX Error ellipse: s-maj=4.1km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
MEX X 04 10 50 59.4–.94 17.15N 95.03W 51–6 3.9
NEIC X 04 10 50 59.0 17.15N 95.05W 54 3.9 ¶13395957
MEX Error ellipse: s-maj=8.0km s-min=3.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 05 07 12 39.0–.81 17.21N 95.54W 125–8 3.9
NEIC X 05 07 12 39.2 17.20N 95.56W 124 3.9 ¶13396039
MEX Error ellipse: s-maj=7.6km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 13 21 05 33.9–1.4 16.99N 94.14W 154–11 4.1
NEIC X 13 21 05 33.9 16.99N 94.14W 154 4.1 ¶13396953
MEX Error ellipse: s-maj=9.6km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.
MEX X 13 22 16 49.1–.60 16.21N 97.62W 66–8 3.7
NEIC X 13 22 16 49.1 16.21N 97.62W 66 3.7 ¶13396962
MEX Error ellipse: s-maj=3.6km s-min=3.1km az=-1.0.
NEIC Event type se. After MEX.
MEX X 14 01 08 27.8–.86 16.84N 94.34W 128–7 4.2
NEIC X 14 01 08 27.9 16.84N 94.34W 128 4.7b,4.2 ¶13396978
MEX Error ellipse: s-maj=7.8km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX X 15 05 51 04.7–1.0 16.61N 94.60W 106–13 4.0
NEIC X 15 05 51 05.0 16.60N 94.59W 102 4.0 ¶13397124
MEX Error ellipse: s-maj=9.4km s-min=4.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 15 16 55 59.0–.75 16.09N 95.62W 67–10 3.9
NEIC X 15 16 55 59.1 16.09N 95.62W 66 3.9 ¶13397172
MEX Error ellipse: s-maj=4.9km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 16 00 22 23.4–1.5 16.23N 97.33W 18–121 3.6
NEIC X 16 00 22 23.4 16.23N 97.33W 18 3.6 ¶13397213
MEX Error ellipse: s-maj=11.6km s-min=6.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 16 05 45 32.1–.50 16.57N 96.48W 59–7 3.6
NEIC X 16 05 45 32.1 16.57N 96.48W 60 3.6 ¶13397234
MEX Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 19 14 11 53.9–.93 16.19N 94.57W 90–13 4.1
NEIC X 19 14 11 54.0 16.17N 94.56W 88 4.1 ¶13397510
MEX Error ellipse: s-maj=5.8km s-min=3.1km az=-1.0.
NEIC Event type se. After MEX.
MEX X 20 07 20 30.5–.57 16.12N 95.83W 8–8 4.1
NEIC X 20 07 20 30.6 16.11N 95.82W 10 4.1 ¶13397585
MEX Error ellipse: s-maj=4.7km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 21 08 22 50.6–.46 16.90N 95.36W 62–7 3.9
NEIC X 21 08 22 51.0 16.88N 95.43W 6 4.0 ¶13397685
MEX Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 21 14 22 29.8–.64 16.06N 97.74W 20–24 3.8
NEIC X 21 14 22 29.4 16.02N 97.76W 15 3.8 ¶13397706
MEX Error ellipse: s-maj=5.7km s-min=4.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 22 18 32 42.7–.39 16.06N 97.67W 7–5 3.5
NEIC X 22 18 32 42.6 16.08N 97.67W 7 3.5 ¶13397815
MEX Error ellipse: s-maj=3.4km s-min=1.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 23 12 38 29.5–.63 16.18N 97.72W 30–9 3.6
NEIC X 23 12 38 29.3 16.17N 97.72W 30 3.6 ¶13397892

MEX Error ellipse: s-maj=4.4km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX X 23 20 30 15.7–.81 16.98N 95.50W 99–9 3.8
NEIC X 23 20 30 15.7 16.98N 95.50W 99 3.8 ¶13397927
MEX Error ellipse: s-maj=5.6km s-min=3.4km az=-1.0.
NEIC Event type se. After MEX.
MEX X 24 05 14 41.6–.96 16.98N 94.99W 126–8 4.1
NEIC X 24 05 14 41.4 16.97N 95.00W 128 4.1 ¶13397952
MEX Error ellipse: s-maj=7.2km s-min=4.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 27 08 43 16.8–.42 16.04N 95.82W 46–8 3.9
NEIC X 27 08 43 16.7 16.03N 95.82W 47 3.9 ¶13398233
MEX Error ellipse: s-maj=3.8km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 27 12 18 45.9–.82 16.91N 94.04W 161–12 3.8
NEIC X 27 12 18 45.9 16.92N 94.03W 160 3.8 ¶13398242
MEX Error ellipse: s-maj=13.2km s-min=13.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 27 15 36 50.4–.58 16.95N 96.27W 43–15 3.6
NEIC X 27 15 36 50.3 16.95N 96.27W 44 3.5 ¶13398267
MEX Error ellipse: s-maj=3.8km s-min=3.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 30 14 28 25.6–.98 16.73N 94.31W 125–9 3.9
NEIC X 30 14 28 25.6 16.73N 94.31W 125 3.9 ¶13398650
MEX Error ellipse: s-maj=7.8km s-min=3.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 31 00 09 47.2–.95 16.56N 95.22W 74–11 3.9
NEIC X 31 00 09 47.3 16.55N 95.22W 72 3.9 ¶13398688
MEX Error ellipse: s-maj=5.3km s-min=3.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 31 08 34 19.7–1.0 16.84N 96.60W 64–8 3.8
NEIC X 31 08 34 19.7 16.84N 96.60W 64 3.8 ¶13398716
MEX Error ellipse: s-maj=5.9km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 05 04 34 17.5–1.1 16.60N 94.83W 92–11 3.9
¶14011285
MEX Error ellipse: s-maj=7.1km s-min=3.2km az=-1.0.
MEX XI 05 10 33 27.9–1.2 16.10N 97.20W 16–22 3.7
¶14011286
MEX Error ellipse: s-maj=11.4km s-min=6.4km az=-1.0.
MEX XI 06 08 54 20.6–.65 16.03N 97.57W 21–39 4.0
¶14011325
MEX Error ellipse: s-maj=4.6km s-min=3.2km az=-1.0.
MEX XI 07 09 36 21.5–1.1 16.27N 94.15W 85–20 3.9
¶14011359
MEX Error ellipse: s-maj=7.1km s-min=4.0km az=-1.0.
MEX XI 07 20 13 32.4–.99 16.89N 95.21W 106–9 4.0
¶14011362
MEX Error ellipse: s-maj=6.1km s-min=5.5km az=-1.0.
MEX XI 09 00 15 10.0–.56 16.05N 97.15W 9–6 3.6
¶14011420
MEX Error ellipse: s-maj=3.6km s-min=2.1km az=-1.0.
ISC XI 09 05 35 36.5–.44 17.05N–.06 95.59W–.03 89–7 3.4b 32 1-133
IDC XI 09 05 35 32.9–21 16.89N 94.97W 89–156 3.8L,3.7 ¶12072924
ISCJB XI 09 05 35 35.3–.45 17.04N–.06 95.59W–.03 98–7 3.4b,3.7
NEIC XI 09 05 35 36.2–3.5 16.91N 95.25W 112–30 3.7b,3.7
MEX XI 09 05 35 37.4–1.0 17.06N 95.57W 93–11 4.0,3.7
ISC Event type se.
IDC Error ellipse: s-maj=184.7km s-min=111.0km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.3km az=13.0.
NEIC Event type se. Error ellipse: s-maj=39.3km s-min=18.4km az=216.0.
MEX Error ellipse: s-maj=6.5km s-min=4.2km az=-1.0.
MEX XI 09 09 15 03.1–1.4 16.65N 95.23W 77–16 3.8
¶14011423
MEX Error ellipse: s-maj=7.5km s-min=5.2km az=-1.0.
MEX XI 09 20 28 40.8–1.0 16.07N 97.72W 13–14 3.6
¶14011425
MEX Error ellipse: s-maj=8.9km s-min=4.7km az=-1.0.
MEX XI 11 04 53 56.1–.98 16.42N 97.36W 20–28 3.7
¶14011486
MEX Error ellipse: s-maj=5.1km s-min=4.0km az=-1.0.
MEX XI 12 11 16 27.8–.76 17.10N 95.83W 101–7 4.0
¶14011525
MEX Error ellipse: s-maj=5.8km s-min=2.9km az=-1.0.
MEX XI 14 03 45 28.5–.83 16.41N 97.26W 59–16 3.8
¶14011595
MEX Error ellipse: s-maj=10.8km s-min=6.0km az=-1.0.
MEX XI 14 10 00 18.4–1.4 17.79N 95.80W 118–16 3.8
¶14011601
MEX Error ellipse: s-maj=12.1km s-min=5.5km az=-1.0.
MEX XI 14 18 26 41.4–.71 16.04N 97.59W 18–41 4.0
¶14011605
MEX Error ellipse: s-maj=6.3km s-min=2.8km az=-1.0.
MEX XI 16 20 33 07.4–.38 17.54N 95.08W 128–4 3.7
¶14011675
MEX Error ellipse: s-maj=5.9km s-min=2.4km az=-1.0.
MEX XI 17 08 41 40.7–1.0 17.00N 94.07W 153–9 3.9
¶14011706
MEX Error ellipse: s-maj=8.9km s-min=4.1km az=-1.0.
MEX XI 19 15 11 19.6–.96 16.11N 97.75W 29–19 3.9
¶14011769
MEX Error ellipse: s-maj=5.9km s-min=4.5km az=-1.0.
MEX XI 19 17 38 19.4–.97 17.36N 95.19W 104–17 3.7
¶14011770
MEX Error ellipse: s-maj=7.4km s-min=3.8km az=-1.0.
MEX XI 20 15 43 29.2–.87 17.90N 95.05W 137–17 3.6
¶14011796
MEX Error ellipse: s-maj=24.2km s-min=5.1km az=-1.0.
MEX XI 20 20 59 30.5–.89 17.06N 95.09W 125–8 3.7
¶14011797
MEX Error ellipse: s-maj=6.8km s-min=3.9km az=-1.0.
MEX XI 21 08 21 03.5–.64 16.04N 96.43W 29–11 3.5
¶14011818
MEX Error ellipse: s-maj=3.7km s-min=5.0km az=-1.0.
MEX XI 22 07 59 46.0–.98 16.46N 94.00W 119–13 3.9
¶14011835
MEX Error ellipse: s-maj=9.4km s-min=5.0km az=-1.0.
MEX XI 24 17 36 28.6–.50 16.88N 94.96W 111–3 4.0
¶14011871
MEX Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
MEX XI 27 18 02 00.8–.34 17.41N 97.18W 68–4 3.6
¶14011955
MEX Error ellipse: s-maj=2.5km s-min=2.1km az=-1.0.
MEX XI 28 08 25 23.6–.61 16.06N 97.14W 8–6 3.7
¶14011984
MEX Error ellipse: s-maj=2.9km s-min=2.1km az=-1.0.
MEX XI 28 12 00 51.9–.61 16.70N 95.02W 94–6 4.0
¶14011985
MEX Error ellipse: s-maj=4.4km s-min=2.7km az=-1.0.
MEX XI 29 00 07 53.9–.68 17.31N 96.36W 84–7 3.6
¶14012008
MEX Error ellipse: s-maj=5.4km s-min=3.4km az=-1.0.
MEX XI 29 06 40 20.1–1.1 16.98N 94.89W 126–11 4.0
¶14012012
MEX Error ellipse: s-maj=9.5km s-min=4.6km az=-1.0.
MEX XII 03 08 00 47.4–.41 17.01N 96.39W 79–6 3.8
NEIC XII 03 08 00 47.2 17.00N 96.39W 80 3.8 ¶13836891
MEX Error ellipse: s-maj=3.9km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 03 14 55 18.3–1.0 16.90N 94.84W 120–9 3.7
NEIC XII 03 14 55 17.9 16.93N 94.85W 124 3.7 ¶13836893

MEX Error ellipse: s-maj=10.9km s-min=5.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 04 05 38 12.9–1.0 16.35N 95.09W 65–17 4.2
NEIC XII 04 05 38 13.1 16.36N 95.10W 65 4.2 ¶13836908
MEX Error ellipse: s-maj=5.9km s-min=4.5km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 05 17 16 27.3–.88 16.33N 95.93W 20–35 3.9
NEIC XII 05 17 16 27.2 16.33N 95.93W 25 3.9 ¶13836926
MEX Error ellipse: s-maj=3.3km s-min=4.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 06 16 48 57.2–.51 16.31N 97.63W 56–9 3.7
NEIC XII 06 16 48 57.2 16.31N 97.63W 56 3.7 ¶13836951
MEX Error ellipse: s-maj=5.2km s-min=3.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 07 00 50 48.0–.73 17.13N 96.27W 105–9 3.5
NEIC XII 07 00 50 48.0 17.13N 96.27W 105 3.5 ¶13836956
MEX Error ellipse: s-maj=10.3km s-min=14.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 08 08 22 02.3–.86 16.78N 94.55W 116–8 4.0
NEIC XII 08 08 22 02.3 16.79N 94.54W 116 4.0 ¶13836981
MEX Error ellipse: s-maj=7.1km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 09 02 46 41.9–.80 16.75N 95.23W 99–9 3.8
¶14268863
MEX Error ellipse: s-maj=7.2km s-min=4.8km az=-1.0.
MEX XII 09 10 23 13.2–.41 16.02N 97.16W 12–4 4.0
¶14268864
MEX Error ellipse: s-maj=2.5km s-min=1.5km az=-1.0.
MEX XII 10 09 31 07.3–.70 16.40N 94.03W 113–10 3.9
¶14268917
MEX Error ellipse: s-maj=6.3km s-min=3.8km az=-1.0.
MEX XII 11 09 14 59.0–.71 17.38N 97.19W 71–6 3.9
¶14268949
MEX Error ellipse: s-maj=3.5km s-min=3.2km az=-1.0.
ISC XII 11 11 16 37.1–.40 17.47N–.04 97.41W–.03 63–6 3.4b 44 1-58
ISCJB XII 11 11 16 35.9–.40 17.48N–.04 97.40W–.03 73–5 3.3b ¶12076913
MEX XII 11 11 16 38.2–.85 17.47N 97.40W 67–7 4.0
NEIC XII 11 11 16 38.0 17.47N 97.40W 67 4.0
IDC XII 11 11 16 43.6–2.1 17.22N 96.66W 159–29 3.4,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.6km az=16.2.
MEX Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=59.4km s-min=30.7km az=173.0.
MEX XII 14 12 33 28.5–.45 16.48N 96.22W 71–6 3.8
NEIC XII 14 12 33 28.5 16.48N 96.23W 72 3.8 ¶13837078
MEX Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 15 14 27 10.3–.32 17.31N–.03 96.62W–.03 59–3 4.2b,4.1s 247 0-132
ISCJB XII 15 14 27 09.4–.30 17.30N–.04 96.65W–.04 66–3 4.1b,4.1s ¶12077613
NEIC XII 15 14 27 10.3 17.07N 97.01W 65 4.4b,4.4
IDC XII 15 14 27 10.3–.57 17.29N 96.69W 66–4 4.1,3.9
MEX XII 15 14 27 10.4–.88 17.08N 97.00W 65–5 4.4,3.9
BJI XII 15 14 27 11.5 17.40N 96.50W 57 5.4s,5.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.9km az=40.5.
NEIC Event type fe. Felt [II] at Oaxaca. Also felt at Huixtepec, Mitla and San Agustin de las Juntas. After MEX.
IDC Error ellipse: s-maj=13.3km s-min=6.5km az=22.0.
MEX Error ellipse: s-maj=4.1km s-min=3.5km az=-1.0.
MEX XII 15 14 45 46.2–.74 16.13N 97.14W 10–9 3.7
NEIC XII 15 14 45 46.5 16.12N 97.14W 12 3.7 ¶13837093
MEX Error ellipse: s-maj=4.5km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 17 11 32 13.6–1.1 16.70N 95.72W 72–16 4.0
NEIC XII 17 11 32 14.4 16.73N 95.73W 64 4.0 ¶13837124
MEX Error ellipse: s-maj=6.2km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 17 11 41 33.2–.95 16.16N 97.60W 20–67 3.7
NEIC XII 17 11 41 33.1 16.15N 97.60W 22 3.7 ¶13837125
MEX Error ellipse: s-maj=6.1km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 17 18 17 12.2–.65 16.06N 97.72W 20–29 3.7
NEIC XII 17 18 17 12.2 16.04N 97.72W 23 3.7 ¶13837129
MEX Error ellipse: s-maj=6.1km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 18 02 04 36.1–.55 16.56N–.04 98.00W–.02 29–4 4.2b 311 0-124
ISCJB XII 18 02 04 35.1–.42 16.55N–.04 98.02W–.02 37–3 4.2b ¶12078001
MEX XII 18 02 04 37.2–.84 16.53N 98.08W 34–8 4.3
NEIC XII 18 02 04 37.0 16.54N 98.08W 33 4.3,4.2b
IDC XII 18 02 04 40.7–2.4 17.24N 97.75W 35–6 4.0,3.8
BJI XII 18 02 04 43.6 17.10N 97.70W 68 4.9s,4.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=8.1.
MEX Error ellipse: s-maj=5.1km s-min=3.6km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=49.6km s-min=12.3km az=18.0.
MEX XII 19 01 40 50.1–.82 17.40N 95.16W 127–7 3.9
NEIC XII 19 01 40 49.6 17.40N 95.16W 131 3.9 ¶13837154
MEX Error ellipse: s-maj=8.7km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 19 02 03 41.2–.84 16.73N 94.92W 96–9 3.8
NEIC XII 19 02 03 41.5 16.75N 94.93W 95 3.8 ¶13837155
MEX Error ellipse: s-maj=8.1km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 19 04 59 27.9–.78 17.09N 95.24W 116–7 3.9
NEIC XII 19 04 59 28.0 17.09N 95.25W 115 3.9 ¶13837156
MEX Error ellipse: s-maj=7.9km s-min=3.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 20 19 03 24.5–.70 16.24N 96.73W 13–9 3.9
NEIC XII 20 19 03 24.6 16.25N 96.71W 13 3.9 ¶13837175
MEX Error ellipse: s-maj=4.1km s-min=6.7km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 22 02 25 42.0–.89 16.79N 94.39W 126–11 3.7
NEIC XII 22 02 25 41.9 16.80N 94.39W 128 3.7 ¶13837209
MEX Error ellipse: s-maj=9.5km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 27 04 52 17.2–.60 16.40N 96.11W 71–8 3.9
NEIC XII 27 04 52 17.2 16.41N 96.10W 70 3.8 ¶13837283
MEX Error ellipse: s-maj=2.9km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 31 05 06 31.7–.42 17.44N 95.41W 65–10 3.8
NEIC XII 31 05 06 31.6 17.41N 95.41W 68 3.7 ¶13837379
MEX Error ellipse: s-maj=7.0km s-min=3.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 31 19 53 28.2–.69 16.00N 97.10W 26–15 4.1
NEIC XII 31 19 53 28.2 15.99N 97.10W 27 4.1 ¶13837385
MEX Error ellipse: s-maj=3.8km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.

(61) Chiapas.

MEX VII 02 16 57 39.7–1.5 17.54N 94.67W 173–25 3.8
¶13641736
MEX Error ellipse: s-maj=20.2km s-min=7.5km az=-1.0.
MEX VII 03 02 24 30.5–.83 17.15N 94.02W 181–12 4.2
NEIC VII 03 02 24 30.5 17.15N 94.02W 181 4.2 ¶12951007
MEX Error ellipse: s-maj=10.5km s-min=6.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 03 12 24 03.5–1.6 17.48N 94.80W 152–18 4.3
NEIC VII 03 12 24 02.5 17.37N 94.78W 169 4.3 ¶12950983
MEX Error ellipse: s-maj=11.7km s-min=6.3km az=-1.0.

NEIC Event type se. After MEX.
ISC VII 04 16 31 42.5–.78 17.08N–.07 94.09W–.04 172–6 34 1-42
ISCJB VII 04 16 31 41.8–.82 17.08N–.06 94.09W–.04 174–7 ¶12951015
NEIC VII 04 16 31 43.4 17.12N 94.06W 178 4.2b,4.0
MEX VII 04 16 31 43.4–.95 17.12N 94.06W 178–10 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.4km az=22.5.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=6.9km s-min=5.6km az=-1.0.
MEX VII 15 22 30 48.9–.81 17.05N 94.90W 144–16 3.8
¶13642656
MEX Error ellipse: s-maj=10.6km s-min=3.6km az=-1.0.
MEX VII 16 00 50 05.7–.64 17.29N 94.57W 154–7 4.0
NEIC VII 16 00 50 05.7 17.29N 94.57W 154 4.0 ¶12951365
MEX Error ellipse: s-maj=9.0km s-min=11.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 16 16 49 01.7–1.4 17.35N 94.66W 159–27 3.9
¶13642745
MEX Error ellipse: s-maj=13.5km s-min=6.3km az=-1.0.
MEX VII 25 05 04 59.5–1.1 16.53N 93.73W 150–14 3.6
¶13643210
MEX Error ellipse: s-maj=9.8km s-min=6.8km az=-1.0.
ISC VII 28 00 27 28.2–.35 16.85N–.05 93.88W–.03 151–4 3.6b 48 1-89
ISCJB VII 28 00 27 27.1–.35 16.86N–.05 93.88W–.03 155–4 3.6b ¶11812749
IDC VII 28 00 27 27.6–1.0 16.85N 93.69W 142–13 3.8,3.5b
NEIC VII 28 00 27 29.9 17.04N 93.80W 135 4.1,3.6b
MEX VII 28 00 27 30.1–1.4 16.80N 93.95W 150–15 4.1,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.6km az=9.8.
IDC Error ellipse: s-maj=35.3km s-min=15.6km az=52.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=10.3km s-min=7.0km az=-1.0.
MEX VIII 02 03 29 18.7–.83 17.64N 94.75W 110–10 4.0
¶13808535
MEX Error ellipse: s-maj=15.6km s-min=4.4km az=-1.0.
ISC VIII 05 20 01 13.0–1.9 17.2N–.10 94.14W–.06 149–18 22 1-4
ISCJB VIII 05 20 01 12.6–1.8 17.2N–.10 94.16W–.06 148–18 ¶12099703
NEIC VIII 05 20 01 12.9 17.25N 94.10W 167 4.0
MEX VIII 05 20 01 15.3–.75 17.21N 94.17W 136–17 4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=8.2km az=14.6.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=11.2km s-min=7.0km az=-1.0.
MEX VIII 08 07 11 25.3–.98 17.23N 94.84W 131–26 3.8
NEIC VIII 08 07 11 23.9 17.29N 94.83W 137 3.8 ¶12099782
MEX Error ellipse: s-maj=12.5km s-min=7.7km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 01 09 31 16.1–1.2 17.29N 93.97W 180–14 4.0
NEIC IX 01 09 31 16.1 17.29N 93.97W 180 4.0 ¶12951813
MEX Error ellipse: s-maj=17.5km s-min=9.4km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 02 08 02 07.2–1.0 16.32N 93.77W 120–10 3.8
NEIC IX 02 08 02 07.2 16.32N 93.77W 120 3.8 ¶12951846
MEX Error ellipse: s-maj=6.8km s-min=5.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 16 17 53 38.2–1.5 17.13N 94.81W 152–22 3.7
¶13856462
MEX Error ellipse: s-maj=14.8km s-min=5.4km az=-1.0.
MEX X 11 22 35 14.5–1.0 16.81N 93.83W 167–10 4.1
NEIC X 11 22 35 14.5 16.81N 93.83W 167 4.1 ¶13396773
MEX Error ellipse: s-maj=11.1km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
MEX X 14 03 18 59.6–.71 17.09N 94.84W 56–5 4.0
NEIC X 14 03 18 59.8 17.07N 94.84W 54 4.0 ¶13397002
MEX Error ellipse: s-maj=8.0km s-min=3.1km az=-1.0.
NEIC Event type se. After MEX.
MEX X 15 03 26 27.5–.77 17.18N 94.54W 142–7 3.9
NEIC X 15 03 26 27.4 17.18N 94.54W 142 3.9 ¶13397115
MEX Error ellipse: s-maj=9.4km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX X 16 04 31 45.1–.59 16.59N 93.04W 63–6 4.0
NEIC X 16 04 31 48.3 16.41N 93.03W 5 3.8 ¶13397229
MEX Error ellipse: s-maj=3.6km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.
MEX X 18 12 04 20.8–.66 17.45N 94.66W 150–7 3.9
NEIC X 18 12 04 20.7 17.44N 94.65W 152 3.9 ¶13397410
MEX Error ellipse: s-maj=10.4km s-min=4.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 21 00 27 49.9–.84 17.56N 94.99W 139–8 3.9
NEIC X 21 00 27 49.9 17.58N 95.00W 137 3.9 ¶13397655
MEX Error ellipse: s-maj=9.7km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 21 04 32 25.4–.84 17.47N 94.29W 194–8 3.9
NEIC X 21 04 32 25.1 17.47N 94.29W 198 3.9 ¶13397675
MEX Error ellipse: s-maj=11.6km s-min=5.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 23 10 59 19.9–.74 17.18N 94.71W 143–6 3.9
NEIC X 23 10 59 19.9 17.20N 94.70W 142 3.9 ¶13397886
MEX Error ellipse: s-maj=7.7km s-min=2.8km az=-1.0.
NEIC Event type se. After MEX.
MEX X 26 15 18 28.0–.95 16.01N 93.98W 103–12 3.9
NEIC X 26 15 18 28.0 16.01N 93.98W 103 3.9 ¶13398129
MEX Error ellipse: s-maj=6.3km s-min=4.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 29 15 03 31.7–1.2 17.02N 94.60W 23–31 3.7
NEIC X 29 15 03 31.6 17.08N 94.61W 30 3.7 ¶13398555
MEX Error ellipse: s-maj=12.2km s-min=4.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 01 00 02 58.1–.84 17.77N 93.44W 106–17 4.0
¶14011141
MEX Error ellipse: s-maj=11.3km s-min=5.8km az=-1.0.
MEX XI 03 03 39 12.5–1.1 17.22N 92.30W 16–999 3.6
¶14011211
MEX Error ellipse: s-maj=12.4km s-min=8.4km az=-1.0.
MEX XI 03 23 41 10.1–1.5 16.28N 93.92W 109–15 3.9
¶14011217
MEX Error ellipse: s-maj=9.2km s-min=5.3km az=-1.0.
MEX XI 04 22 32 09.3–.98 17.01N 94.85W 51–8 3.9
¶14011241
MEX Error ellipse: s-maj=11.3km s-min=4.1km az=-1.0.
MEX XI 14 04 42 08.5–.66 16.35N 93.46W 147–6 3.9
¶14011596
MEX Error ellipse: s-maj=4.4km s-min=3.8km az=-1.0.
ISC XI 23 18 06 37.2–.27 17.21N–.03 93.92W–.03 154–3 4.5b 298 1-150
IDC XI 23 18 06 36.9–.64 17.33N 93.75W 147–6 4.4,4.3 ¶13400960
ISCJB XI 23 18 06 36.9–.23 17.22N–.03 94.00W–.02 165–2 4.5b,4.3
MEX XI 23 18 06 39.1–1.6 17.14N 94.09W 170–12 4.8,4.3
GCMT XI 23 18 06 40.9–.40 17.38N 94.02W 167–3 5.0W,4.3
NEIC XI 23 18 06 41.5–.76 17.39N 93.69W 189–7 4.8b,4.3
BJI XI 23 18 06 41.7 17.40N 93.70W 193 4.8b,4.3
BGS XI 23 18 06 41.3–2.8 17.39N 93.69W 189–0 4.9b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=8.5km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=2.9km az=21.6.
MEX Error ellipse: s-maj=13.4km s-min=6.3km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s22,c22; s66,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.86±.13 $M_{\theta\theta}$-0.01±.15; $M_{\phi\phi}$1.87±.18; $M_{r\theta}$1.85±.10; $M_{\theta\phi}$-1.16±.17; $M_{\phi r}$-2.11±.12; Best double couple: NP1:ϕ_s173.00000°,δ21.00000°,λ-59.00000°. NP2:ϕ_s321.00000°,δ72.00000°,λ-101.00000°. Principal axes: T 3.7600,Plg26.0000° ,Azm60.0000°; N -0.4200,Plg11.0000°,Azm324.0000°; P -3.3400,Plg61.0000° ,Azm214.0000° $M_0$3.60000×10^{16}

NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.1km az=49.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MEX XI 23 18 25 22.4–1.5 17.01N 94.20W 152–12 4.0
¶14011845
MEX Error ellipse: s-maj=12.3km s-min=5.4km az=-1.0.
MEX XI 24 23 14 59.8–.97 17.35N 94.72W 151–8 3.9
¶14011872
MEX Error ellipse: s-maj=8.8km s-min=3.4km az=-1.0.
MEX XII 01 03 38 20.0–.99 17.90N 94.64W 52–29 3.9
NEIC XII 01 03 38 20.3 17.88N 94.64W 50 3.9 ¶13836866
MEX Error ellipse: s-maj=13.3km s-min=5.2km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 03 16 51 57.4–.92 17.05N 94.78W 126–7 3.9
NEIC XII 03 16 51 57.5 17.06N 94.79W 125 3.9 ¶13836895
MEX Error ellipse: s-maj=7.3km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 06 21 24 42.7–.91 17.00N 94.93W 111–8 3.7
NEIC XII 06 21 24 42.7 17.00N 94.93W 111 3.7 ¶13836954
MEX Error ellipse: s-maj=9.8km s-min=5.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 08 00 24 47.9–.93 17.22N 94.44W 159–8 3.9
NEIC XII 08 00 24 47.9 17.22N 94.44W 159 3.8 ¶13836974
MEX Error ellipse: s-maj=10.6km s-min=5.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 09 11 38 05.4–.83 17.22N 94.40W 50–10 4.0
¶14268865
MEX Error ellipse: s-maj=10.2km s-min=3.6km az=-1.0.
MEX XII 18 10 22 07.2–.79 17.25N 94.63W 153–7 4.0
NEIC XII 18 10 22 06.8 17.30N 94.63W 157 4.0 ¶13837139
MEX Error ellipse: s-maj=10.0km s-min=3.5km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 20 21 11 55.3–.64 17.11N–.09 94.07W–.04 164–7 3.6b 47 1-48
ISCJB XII 20 21 11 54.4–.64 17.11N–.09 94.08W–.04 168–7 3.6b ¶12078384
MEX XII 20 21 11 56.7–.97 17.10N 94.07W 165–9 4.3
IDC XII 20 21 11 56.1–1.1 17.56N 94.02W 145–12 3.7,3.4b
NEIC XII 20 21 11 56.8 16.96N 94.13W 166 4.3,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=6.1km az=10.1.
MEX Error ellipse: s-maj=13.5km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=33.3km s-min=14.9km az=172.0.
NEIC Event type se. After MEX.
ISC XII 24 05 34 08.2–.40 17.08N–.06 94.58W–.03 133–5 3.2b 71 0-80
ISCJB XII 24 05 34 07.1–.40 17.09N–.06 94.58W–.03 136–5 3.2b ¶12078771
IDC XII 24 05 34 07.7–.71 17.19N 94.47W 122–7 3.6,3.4
NEIC XII 24 05 34 10.3 16.99N 94.61W 130 4.2,3.4
MEX XII 24 05 34 10.4–.70 17.04N 94.59W 129–6 4.2,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=3.9km az=14.1.
IDC Error ellipse: s-maj=21.3km s-min=18.3km az=171.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=9.4km s-min=4.1km az=-1.0.
MEX XII 26 19 29 12.1–.87 16.36N 93.39W 150–8 4.1
NEIC XII 26 19 29 11.9 16.30N 93.40W 150 4.1 ¶13837279
MEX Error ellipse: s-maj=7.2km s-min=5.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 28 17 40 19.9–.36 17.05N 95.00W 15–6 3.7
NEIC XII 28 17 40 19.8 17.06N 95.00W 16 3.7 ¶13837314
MEX Error ellipse: s-maj=13.4km s-min=5.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 31 03 24 00.7–.90 17.18N 94.45W 53–10 3.9
NEIC XII 31 03 23 59.8 17.18N 94.42W 57 3.9 ¶13837376
MEX Error ellipse: s-maj=13.2km s-min=4.5km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 31 14 21 58.6–1.0 17.06N 94.68W 118–10 4.1
NEIC XII 31 14 21 59.3 17.13N 94.73W 116 4.2 ¶13837382
MEX Error ellipse: s-maj=9.2km s-min=10.5km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 31 17 21 51.5–.64 16.44N–.08 93.78W–.05 124–9 3.7b 46 1-60
ISCJB XII 31 17 21 50.3–.66 16.49N–.09 93.79W–.05 129–10 3.5b ¶12079678
NEIC XII 31 17 21 51.4–.67 16.37N 93.76W 127–11 4.2
IDC XII 31 17 21 52.0–1.7 16.52N 93.73W 127–8 3.7,3.4
MEX XII 31 17 22 02.3–.68 16.34N 94.47W 70–12 4.2,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=7.6km az=4.1.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=8.6km az=197.0.
IDC Error ellipse: s-maj=30.7km s-min=14.0km az=2.0.
MEX Error ellipse: s-maj=5.8km s-min=7.3km az=-1.0.

(62) Mexico-Guatemala border region.

ISC VII 01 08 49 19.6–.23 16.51N–.02 90.86W–.03 35 4.3b,4.0s 237 2-137
IDC VII 01 08 49 13.8–.72 16.45N 90.88W 0 4.1,4.0 ¶11006817
SZGRF VII 01 08 49 16.0 16.44N 91.74W 33 5.1b,4.0
ISCJB VII 01 08 49 17.5–.22 16.52N–.02 90.85W–.03 33 4.3b,4.0s
BJI VII 01 08 49 17.1 16.40N 90.60W 30 4.9b,4.8s
MEX VII 01 08 49 17.8–1.3 16.45N 90.66W 25–0 4.6,4.8s
NEIC VII 01 08 49 18.1 16.44N 90.62W 30 4.7,4.4b
CASC VII 01 08 49 19.2–1.4 15.69N 92.17W 99–48 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=10.3km az=64.0.
SZGRF Mexico-Guatemala border region.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.2km az=167.8.
MEX Error ellipse: s-maj=9.0km s-min=17.8km az=-1.0.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=56.4km s-min=33.3km az=-1.0.
MEX VII 09 21 53 28.7–.42 16.05N 90.81W 43–58 3.9
¶13642144
MEX Error ellipse: s-maj=5.0km s-min=8.6km az=-1.0.
MEX VII 16 20 42 09.5–.69 16.86N 90.51W 9–39 4.1
¶13642746
MEX Error ellipse: s-maj=18.3km s-min=31.2km az=-1.0.
MEX VII 26 04 14 56.9–.37 15.37N 92.24W 214–6 3.8
¶13643273
MEX Error ellipse: s-maj=8.0km s-min=7.7km az=-1.0.
ISC VIII 22 05 15 40.6–.59 15.80N–.06 92.92W–.04 161–4 3.5b 49 0-54
IDC VIII 22 05 15 33.3–14 15.82N 92.23W 111–151 4.0L,3.7 ¶11908574
ISCJB VIII 22 05 15 40.1–.57 15.78N–.07 92.95W–.05 162–4 3.5b,3.7
NEIC VIII 22 05 15 40.3 15.79N 92.86W 174 4.0,3.7b
MEX VIII 22 05 15 40.3–.97 15.79N 92.86W 174–7 4.0,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=275.1km s-min=23.8km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.0km az=23.7.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=5.6km s-min=6.4km az=-1.0.
MEX IX 12 09 30 39.2–1.1 15.07N 92.95W 87–11 3.9
NEIC IX 12 09 30 39.2 15.05N 92.95W 87 3.9 ¶12952014
MEX Error ellipse: s-maj=6.7km s-min=6.7km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 19 09 03 08.5–1.1 16.86N 91.07W 29–25 4.0
NEIC IX 19 09 03 08.5 16.86N 91.07W 29 4.0 ¶12952102
MEX Error ellipse: s-maj=17.0km s-min=13.0km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 20 16 30 12.1–.19 15.46N–.03 91.52W–.03 215 4.4b 279 1-145
CASC IX 20 16 30 09.7–3.1 15.26N 91.63W 237–14 4.7b,4.0L ¶11282338
ISCJB IX 20 16 30 10.8–.18 15.50N–.03 91.54W–.03 214 4.4b,4.0L
NEIC IX 20 16 30 10.0–.31 15.35N 91.68W 211 4.7b,4.5
MEX IX 20 16 30 11.7–.87 15.38N 91.86W 221–8 4.5,4.5
IDC IX 20 16 30 11.6–.44 15.44N 91.46W 216–3 4.2,4.1
ISC Event type se.
CASC Error ellipse: s-maj=40.9km s-min=20.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.4km az=41.1.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.8km az=211.0.

MEX Error ellipse: s-maj=8.0km s-min=11.3km az=-1.0.
IDC Error ellipse: s-maj=13.6km s-min=6.8km az=57.0.
ISC X 11 08 34 56.9–.51 15.15N–.05 92.93W–.03 74–11 42 1-5
ISCJB X 11 08 34 55.5–.48 15.12N–.05 92.96W–.03 78–10 ¶13396637
NEIC X 11 08 34 55.1 15.03N 92.85W 93 4.0
MEX X 11 08 34 55.1–1.0 15.03N 92.85W 93–10 4.0
CASC X 11 08 34 56.1–1.8 15.32N 92.86W 47–74 3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=3.7km az=27.4.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=7.8km s-min=7.2km az=-1.0.
CASC Error ellipse: s-maj=38.3km s-min=23.3km az=-1.0.
ISC X 13 02 36 27.0–.48 15.46N–.05 92.07W–.03 201–3 3.7b 66 1-145
ISCJB X 13 02 36 26.1–.49 15.45N–.05 92.06W–.03 206–3 3.7b ¶12068516
NEIC X 13 02 36 27.0 15.47N 92.06W 213 4.1
IDC X 13 02 36 27.4–.93 15.53N 91.83W 204–8 3.6,3.3b
MEX X 13 02 36 27.4–.64 15.47N 92.06W 214–4 4.2,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.2km az=11.2.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=17.2km s-min=11.9km az=55.0.
MEX Error ellipse: s-maj=4.3km s-min=4.8km az=-1.0.
MEX X 16 06 59 52.9–.52 15.94N 92.72W 199–5 4.0
NEIC X 16 06 59 53.0 15.93N 92.73W 198 4.0 ¶13397240
MEX Error ellipse: s-maj=4.6km s-min=3.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 18 09 19 12.3–.67 17.61N 91.55W 13–32 4.2
NEIC X 18 09 19 12.0 17.61N 91.54W 12 4.2 ¶13397402
MEX Error ellipse: s-maj=20.2km s-min=20.4km az=-1.0.
NEIC Event type se. After MEX.
MEX X 18 12 28 03.3–.61 15.06N 92.83W 77–7 3.6
¶13909953
MEX Error ellipse: s-maj=5.1km s-min=4.9km az=-1.0.
MEX XI 09 07 39 36.4–1.1 15.17N 91.88W 190–11 4.0
¶14011422
MEX Error ellipse: s-maj=9.3km s-min=11.8km az=-1.0.
MEX XI 11 09 33 11.5–.37 15.25N 92.45W 95–4 4.0
¶14011487
MEX Error ellipse: s-maj=3.8km s-min=4.2km az=-1.0.
MEX XI 26 10 22 09.0–.74 15.68N 91.23W 70–28 3.9
¶14011926
MEX Error ellipse: s-maj=6.0km s-min=15.5km az=-1.0.
ISC XII 02 14 40 26.8–.95 17.15N–.04 91.84W–.04 24–8 3.9b 69 1-137
IDC XII 02 14 40 16.8–1.7 16.33N 91.44W 0 4.3,4.0L ¶12075510
ISCJB XII 02 14 40 26.2–.45 17.20N–.03 91.85W–.04 33 3.8b,4.0L
MEX XII 02 14 40 27.0–.58 17.21N 91.74W 42–26 4.3,4.0L
NEIC XII 02 14 40 27.0 17.19N 91.73W 47 4.3,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=25.1km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.7km az=45.0.
MEX Error ellipse: s-maj=6.9km s-min=6.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 17 11 49 59.1–.96 15.46N 92.01W 219–13 3.5
¶14269143
MEX Error ellipse: s-maj=11.2km s-min=17.9km az=-1.0.
MEX XII 30 10 42 58.2–1.1 15.77N 92.68W 180–11 3.9
¶14269537
MEX Error ellipse: s-maj=11.3km s-min=8.6km az=-1.0.

(65) Off coast of Guerrero.

MEX VII 29 03 54 30.2–.81 15.83N 98.85W 16–24 3.7
NEIC VII 29 03 54 30.2 15.83N 98.85W 16 3.8 ¶12951748
MEX Error ellipse: s-maj=22.7km s-min=5.8km az=-1.0.
NEIC Event type se. After MEX.
ISC VIII 08 07 53 17.1–1.5 15.84N–.06 98.46W–.05 24–10 36 1-4
ISCJB VIII 08 07 53 17.0–1.4 15.85N–.06 98.46W–.05 30–8 ¶12099784
NEIC VIII 08 07 53 19.0 15.81N 98.44W 16 3.8
MEX VIII 08 07 53 19.9–.82 15.89N 98.47W 17–6 3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.1km az=15.5.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=8.5km s-min=5.0km az=-1.0.
MEX VIII 14 09 57 07.9–1.1 15.65N 98.65W 20–480 3.9
NEIC VIII 14 09 57 07.7 15.62N 98.63W 22 3.8 ¶12099931
MEX Error ellipse: s-maj=23.4km s-min=9.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 17 14 04 12.6–.36 15.86N 98.91W 8–8 3.6
NEIC VIII 17 14 04 12.6 15.86N 98.91W 8 3.6 ¶12100014
MEX Error ellipse: s-maj=8.6km s-min=2.1km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 26 21 39 36.9–.67 15.87N 98.84W 16–23 4.0
NEIC VIII 26 21 39 36.9 15.87N 98.84W 16 4.0 ¶12100265
MEX Error ellipse: s-maj=23.4km s-min=4.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 26 22 12 41.2–.57 15.99N 98.88W 18–67 3.9
NEIC VIII 26 22 12 41.1 15.96N 98.88W 16 3.8 ¶12100267
MEX Error ellipse: s-maj=10.4km s-min=2.7km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 14 21 30 31.5–.90 15.77N 99.21W 18–44 3.7
¶13856432
MEX Error ellipse: s-maj=40.9km s-min=13.8km az=-1.0.
MEX X 01 12 33 20.3–.61 15.86N 99.50W 16–13 3.7
NEIC X 01 12 33 20.2 15.84N 99.51W 16 3.7 ¶13395611
MEX Error ellipse: s-maj=11.5km s-min=4.6km az=-1.0.
NEIC Event type se. After MEX.
ISC X 09 13 32 00.2–1.2 15.96N–.06 99.21W–.03 1–6 3.8b,3.2s 62 1-92
IDC X 09 13 31 57.7–5.1 15.39N 99.15W 0 4.0,3.8 ¶12066428
ISCJB X 09 13 31 59.6–1.5 15.90N–.07 99.23W–.04 10–12 3.7b,3.2s
NEIC X 09 13 32 00.5 15.77N 99.29W 5 4.2,3.9b
MEX X 09 13 32 01.1–.92 15.85N 99.28W 3–18 4.2,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=93.3km s-min=22.2km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=5.1km az=13.1.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=16.9km s-min=5.1km az=-1.0.
MEX X 17 06 08 47.8–.60 15.47N 98.84W 18–94 3.7
¶13909939
MEX Error ellipse: s-maj=47.4km s-min=71.1km az=-1.0.
MEX X 18 09 09 09.0–.52 15.89N 98.44W 20–32 3.7
NEIC X 18 09 09 08.8 15.85N 98.42W 16 3.6 ¶13397401
MEX Error ellipse: s-maj=17.1km s-min=23.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 20 22 39 52.1–.76 15.99N 98.21W 5–8 4.0
NEIC X 20 22 39 52.0 15.94N 98.19W 5 4.0 ¶13397643
MEX Error ellipse: s-maj=6.3km s-min=6.2km az=-1.0.
NEIC Event type se. After MEX.
MEX X 22 08 06 03.4–.53 15.99N 98.13W 7–7 3.8
¶13910057
MEX Error ellipse: s-maj=5.3km s-min=11.1km az=-1.0.
MEX X 27 04 33 41.8–.94 15.93N 98.47W 10–20 3.8
NEIC X 27 04 33 41.9 15.94N 98.47W 10 3.8 ¶13398216
MEX Error ellipse: s-maj=16.8km s-min=6.1km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 15 13 42 30.1–1.2 15.31N 98.97W 16–52 3.6
¶14011637
MEX Error ellipse: s-maj=47.4km s-min=7.1km az=-1.0.
MEX XII 22 16 33 13.0–.56 15.62N 98.89W 13–16 3.7
NEIC XII 22 16 33 12.8 15.58N 98.89W 36 3.7 ¶13837217
MEX Error ellipse: s-maj=14.2km s-min=6.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 26 03 01 28.0–.73 15.79N 98.63W 17–75 3.8
NEIC XII 26 03 01 28.0 15.77N 98.63W 16 3.8 ¶13837265
MEX Error ellipse: s-maj=9.0km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.

(66) Near coast of Oaxaca.

MEX VII 04 03 21 59.4–.98 15.34N 94.73W 20–44 3.9
¶13641882
MEX Error ellipse: s-maj=15.8km s-min=3.5km az=-1.0.
ISC VII 04 16 03 27.8–.74 15.06N–.06 94.79W–.03 35 3.5b 43 1-49
ISCJB VII 04 16 03 26.6–.72 15.09N–.05 94.80W–.03 33 3.5b ¶11810623
IDC VII 04 16 03 26.3–3.7 15.41N 94.30W 0 3.9,3.7
MEX VII 04 16 03 27.7–1.3 15.00N 94.83W 20–45 4.2,3.7
NEIC VII 04 16 03 27.7 15.00N 94.83W 20 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.9km az=9.0.
IDC Error ellipse: s-maj=74.4km s-min=49.8km az=73.0.
MEX Error ellipse: s-maj=16.1km s-min=5.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 05 00 36 56.7–.63 15.43N 94.79W 39–17 4.0
NEIC VII 05 00 36 56.7 15.43N 94.79W 39 4.0 ¶12951051
MEX Error ellipse: s-maj=8.4km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
ISC VII 07 01 26 35.8–2.2 15.41N–.07 94.75W–.03 26–19 3.4b 38 1-81
ISCJB VII 07 01 26 35.6–.56 15.48N–.06 94.77W–.03 33 3.4b ¶11810842
MEX VII 07 01 26 36.6–1.1 15.31N 94.79W 16–16 4.3
NEIC VII 07 01 26 36.0 15.31N 94.79W 16 4.3,3.8b
IDC VII 07 01 26 38.6–5.5 15.67N 94.66W 39–35 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=3.6km az=10.4.
MEX Error ellipse: s-maj=16.9km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=72.2km s-min=20.9km az=38.0.
MEX VII 08 23 04 23.1–.44 15.91N 95.43W 19–16 3.9
NEIC VII 08 23 04 23.1 15.91N 95.43W 19 3.9 ¶12951113
MEX Error ellipse: s-maj=3.6km s-min=1.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 09 12 36 19.5–.76 15.15N 94.46W 16–57 4.1
NEIC VII 09 12 36 19.5 15.15N 94.46W 16 4.1 ¶12951152
MEX Error ellipse: s-maj=7.1km s-min=2.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 10 21 22 31.0–1.4 15.98N 94.98W 60–34 4.3
NEIC VII 10 21 22 31.0 15.98N 94.98W 60 4.3 ¶12951178
MEX Error ellipse: s-maj=11.1km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 11 23 28 42.5–1.0 15.35N 94.72W 16–14 3.9
¶13642259
MEX Error ellipse: s-maj=17.8km s-min=3.5km az=-1.0.
MEX VII 13 03 23 00.5–.82 15.35N 94.61W 16–38 4.0
NEIC VII 13 03 23 00.5 15.36N 94.57W 16 4.0 ¶12951275
MEX Error ellipse: s-maj=7.8km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 19 03 15 59.2–.50 15.63N 97.21W 5–10 3.6
NEIC VII 19 03 16 00.0 15.58N 97.23W 25 3.6 ¶12951483
MEX Error ellipse: s-maj=5.4km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 23 10 24 43.2–.34 15.75N 96.40W 24–5 4.1
¶13643098
MEX Error ellipse: s-maj=2.6km s-min=2.0km az=-1.0.
MEX VII 25 04 19 38.7–.68 15.50N 94.72W 17–8 3.6
¶13643209
MEX Error ellipse: s-maj=5.4km s-min=2.4km az=-1.0.
ISC VII 26 22 39 47.2–.00 15.04N–.09 95.03W–.04 35 3.5b 25 1-85
NEIC VII 26 22 39 41.9 14.48N 95.17W 14 4.3 ¶11812672
MEX VII 26 22 39 42.0–.83 14.48N 95.17W 15–31 4.1
IDC VII 26 22 39 45.0–2.2 15.23N 94.61W 0 4.0,3.8
ISCJB VII 26 22 39 46.2–.99 15.02N–.09 95.00W–.05 33 3.5b,3.8
ISC Event type se.
NEIC Event type se. After MEX.
ISCJB Event type se.
ISC VII 26 22 57 52.7–1.1 15.09N–.09 95.00W–.04 35 3.6b,3.4s 17 1-85
IDC VII 26 22 57 50.6–2.3 15.32N 94.60W 0 4.0,3.7 ¶12698446
ISCJB VII 26 22 57 51.7–1.0 15.10N–.08 94.99W–.04 33 3.6b,3.4s
MEX VII 26 22 57 51.8–.47 14.97N 94.99W 20–14 4.0,3.4s
IDC Error ellipse: s-maj=54.9km s-min=31.7km az=52.0.
ISCJB Error ellipse: s-maj=12.1km s-min=5.6km az=3.1.
MEX Error ellipse: s-maj=14.3km s-min=2.0km az=-1.0.
MEX VII 29 14 01 22.1–.83 15.99N 97.76W 25–0 3.6
¶13643365
MEX Error ellipse: s-maj=9.4km s-min=6.3km az=-1.0.
MEX VII 30 12 10 32.7–.29 15.86N 96.99W 15–4 3.5
¶13643409
MEX Error ellipse: s-maj=2.1km s-min=1.2km az=-1.0.
MEX VII 30 19 53 31.8–.63 15.88N 96.37W 47–11 3.8
¶13643410
MEX Error ellipse: s-maj=5.6km s-min=7.7km az=-1.0.
MEX VIII 01 23 14 28.4–.50 15.85N 96.44W 20–34 3.6
¶13808501
MEX Error ellipse: s-maj=11.3km s-min=15.1km az=-1.0.
MEX VIII 10 17 26 54.7–.60 15.50N 96.40W 6–7 4.0
NEIC VIII 10 17 26 54.5 15.49N 96.40W 7 4.0 ¶12099850
MEX Error ellipse: s-maj=7.5km s-min=5.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 14 04 26 06.1–.65 15.22N 95.61W 16–15 4.1
¶13827365
MEX Error ellipse: s-maj=16.9km s-min=5.9km az=-1.0.
MEX VIII 14 07 58 14.4–.81 15.20N 95.65W 15–13 4.2
NEIC VIII 14 07 58 14.4 15.22N 95.65W 12 4.2 ¶12099929
MEX Error ellipse: s-maj=10.6km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 18 05 51 47.4–.61 15.76N 95.22W 56–18 3.9
NEIC VIII 18 05 51 46.9 15.70N 95.25W 66 3.9 ¶12100031
MEX Error ellipse: s-maj=8.6km s-min=3.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 20 20 24 50.3–.42 15.67N 96.91W 16–6 3.5
NEIC VIII 20 20 24 50.3 15.67N 96.91W 16 3.5 ¶12100105
MEX Error ellipse: s-maj=6.3km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 21 15 59 31.0–.47 15.68N 94.04W 57–11 4.0
NEIC VIII 21 15 59 31.0 15.68N 94.04W 57 4.0 ¶12100131
MEX Error ellipse: s-maj=3.5km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 21 17 47 31.8–.98 15.07N 94.93W 16–19 3.9
¶13827733
MEX Error ellipse: s-maj=24.7km s-min=3.8km az=-1.0.
MEX VIII 23 17 42 55.4–.57 15.55N 95.47W 12–8 3.9
NEIC VIII 23 17 42 55.2 15.53N 95.48W 12 3.8 ¶12100180
MEX Error ellipse: s-maj=8.1km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
ISC VIII 24 08 19 06.7–1.4 15.20N–.10 95.40W–.05 9–9 3.5b 28 1-60
ISCJB VIII 24 08 19 06.8–1.5 15.19N–.09 95.40W–.05 16–12 3.5b ¶11908685
MEX VIII 24 08 19 08.7–.58 15.04N 95.50W 26–15 4.2
NEIC VIII 24 08 19 09.3 15.09N 95.50W 33 4.2
IDC VIII 24 08 19 14.3–2.1 16.50N 94.54W 0 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=5.8km az=17.9.
MEX Error ellipse: s-maj=8.6km s-min=4.4km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=162.5km s-min=24.6km az=52.0.
MEX VIII 26 06 12 01.8–.61 15.81N 96.50W 34–12 3.7
NEIC VIII 26 06 12 01.8 15.81N 96.50W 34 3.7 ¶12100252
MEX Error ellipse: s-maj=5.7km s-min=5.4km az=-1.0.

NEIC Event type se. After MEX.
MEX VIII 26 07 29 16.8–1.2 15.85N 96.01W 22–19 4.0
NEIC VIII 26 07 29 17.0 15.84N 96.01W 20 4.0 ¶12100253
MEX Error ellipse: s-maj=10.5km s-min=10.7km az=-1.0.
NEIC Event type se. After MEX.
ISC VIII 28 05 55 19.8–.78 15.57N–.06 97.44W–.06 10 114 1-24
MEX VIII 28 05 55 11.8–1.1 15.01N 97.37W 23–29 4.1 ¶12064960
NEIC VIII 28 05 55 12.2 15.03N 97.37W 17 4.1,3.9b
ISCJB VIII 28 05 55 17.1–.74 15.49N–.06 97.46W–.06 10 3.8b,3.9b
ISC Event type se.
NEIC Event type se. After MEX.
ISCJB Event type se.
ISC VIII 29 15 01 28.8–.73 15.38N–.07 94.71W–.03 35 3.5b 37 1-33
ISCJB VIII 29 15 01 28.2–.64 15.44N–.07 94.71W–.03 33 3.5b ¶12100353
MEX VIII 29 15 01 28.9–.93 15.29N 94.73W 20–55 4.4
NEIC VIII 29 15 01 29.0 15.30N 94.73W 16 3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.6km az=12.1.
MEX Error ellipse: s-maj=11.6km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 30 15 20 56.1–1.0 15.92N 94.47W 20–90 3.7
NEIC VIII 30 15 20 56.1 15.92N 94.47W 20 3.7 ¶12100380
MEX Error ellipse: s-maj=13.0km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 31 16 30 39.0–.37 15.79N 95.96W 13–7 4.2
NEIC VIII 31 16 30 38.9 15.75N 95.97W 17 4.2 ¶12100409
MEX Error ellipse: s-maj=10.2km s-min=4.9km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 04 11 29 20.9–1.4 15.35N–.09 95.72W–.04 22–10 33 1-5
ISCJB IX 04 11 29 20.6–1.2 15.35N–.08 95.72W–.04 30–8 ¶12951897
MEX IX 04 11 29 22.7–.65 15.31N 95.75W 20–6 3.9
NEIC IX 04 11 29 22.7 15.31N 95.75W 20 3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=5.4km az=17.5.
MEX Error ellipse: s-maj=7.1km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 06 14 00 26.1–.53 15.49N 95.46W 24–13 3.9
NEIC IX 06 14 00 26.1 15.49N 95.46W 24 3.9 ¶12951925
MEX Error ellipse: s-maj=5.8km s-min=2.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 07 22 52 55.1–1.1 15.69N 96.03W 5–0 3.7
¶13856212
MEX Error ellipse: s-maj=10.2km s-min=8.9km az=-1.0.
MEX IX 09 14 27 40.4–.51 15.11N 95.12W 16–13 3.9
NEIC IX 09 14 27 40.4 15.11N 95.12W 16 3.9 ¶12951961
MEX Error ellipse: s-maj=13.6km s-min=2.1km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 13 14 13 26.5–.35 15.98N 96.70W 43–9 3.5
¶13856414
MEX Error ellipse: s-maj=2.4km s-min=2.5km az=-1.0.
MEX IX 16 00 14 12.5–.64 15.56N 95.91W 9–6 3.9
NEIC IX 16 00 14 13.1 15.62N 95.89W 10 3.9 ¶12952065
MEX Error ellipse: s-maj=10.8km s-min=5.0km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 16 05 37 48.0–1.3 15.16N–.04 94.29W–.03 34–9 4.6b,3.7s 445 1-144
CASC IX 16 05 35 41.7–2.9 13.40N 103.50W 20–999 4.9,4.7b ¶13394423
IDC IX 16 05 37 41.4–.76 15.18N 94.25W 0 4.5,4.4
NEIC IX 16 05 37 43.6 14.78N 94.64W 16 4.7b,4.5
MEX IX 16 05 37 43.4–.79 14.78N 94.63W 16–18 4.5,4.5
BJI IX 16 05 37 46.6 14.80N 94.60W 16 5.3b,4.8s
ISCJB IX 16 05 37 47.9–.68 15.21N–.04 94.22W–.04 52–6 4.6b,3.7s
ISC Event type se.
NEIC Event type se. After MEX.
ISCJB Event type se.
ISC IX 19 11 54 13.1–.42 15.42N–.04 94.25W–.03 44–4 4.2b,3.2s 220 1-144
ISCJB IX 19 11 54 11.8–.47 15.36N–.04 94.25W–.03 55–4 4.2b,3.2s ¶11910621
MEX IX 19 11 54 12.5–1.5 15.33N 94.32W 20–47 4.1,3.2s
NEIC IX 19 11 54 12.8–.49 15.32N 94.29W 63 4.3b,4.1
IDC IX 19 11 54 13.3–.84 15.45N 94.17W 68–6 4.0,3.9
CASC IX 19 11 54 16.8–1.3 15.26N 93.99W 64–132 4.3,4.3b
SSS IX 19 11 54 16.5 14.95N 94.03W 103 4.3,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.4km az=32.1.
MEX Error ellipse: s-maj=10.0km s-min=6.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.6km az=212.0.
IDC Error ellipse: s-maj=16.8km s-min=9.1km az=33.0.
CASC Error ellipse: s-maj=34.8km s-min=17.5km az=-1.0.
ISC IX 21 21 48 16.2–.41 15.96N–.05 94.25W–.03 57–15 40 1-22
ISCJB IX 21 21 48 15.0–.39 15.97N–.05 94.26W–.03 69–11 ¶12952121
CASC IX 21 21 48 15.9–1.2 16.22N 94.17W 35–999 4.1,3.8b
MEX IX 21 21 48 16.9–.59 15.94N 94.25W 69–13 4.2,3.8b
NEIC IX 21 21 48 17.3 15.92N 94.25W 63 4.2,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=3.7km az=15.8.
CASC Error ellipse: s-maj=39.6km s-min=20.7km az=-1.0.
MEX Error ellipse: s-maj=4.4km s-min=1.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 23 01 15 30.6–.99 15.44N 95.43W 22–18 4.3
NEIC IX 23 01 15 30.6 15.44N 95.43W 22 4.3 ¶12952160
MEX Error ellipse: s-maj=6.4km s-min=2.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 26 19 08 55.6–.69 15.94N 96.81W 34–32 3.8
NEIC IX 26 19 08 56.2 15.96N 96.80W 30 3.8 ¶12952204
MEX Error ellipse: s-maj=4.5km s-min=5.6km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 29 13 37 07.5–.59 15.65N 95.73W 10–8 3.7
¶13856689
MEX Error ellipse: s-maj=13.1km s-min=6.3km az=-1.0.
MEX X 02 02 22 51.0–1.5 15.21N 96.09W 26–24 3.9
NEIC X 02 02 22 51.0 15.21N 96.09W 26 3.9 ¶13395673
MEX Error ellipse: s-maj=14.3km s-min=8.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 04 20 00 58.3–1.2 15.27N 94.57W 20–53 4.0
NEIC X 04 20 00 58.4 15.27N 94.57W 20 4.0 ¶13395998
MEX Error ellipse: s-maj=12.1km s-min=4.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 04 23 41 20.3–.53 15.40N 95.80W 15–5 3.8
NEIC X 04 23 41 19.8 15.37N 95.79W 15 3.8 ¶13396012
MEX Error ellipse: s-maj=6.4km s-min=4.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 10 20 03 47.9–.52 15.50N 94.38W 25–29 3.8
NEIC X 10 20 03 47.9 15.50N 94.38W 22 3.8 ¶13396596
MEX Error ellipse: s-maj=3.2km s-min=1.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 11 09 43 49.6–.61 15.50N 94.09W 43–20 4.0
NEIC X 11 09 43 49.6 15.50N 94.09W 42 4.0 ¶13396655
MEX Error ellipse: s-maj=4.1km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 13 09 06 36.9–.61 15.82N 95.63W 6–5 4.0
NEIC X 13 09 06 36.9 15.82N 95.63W 6 4.0 ¶13396911
MEX Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0.
NEIC Event type se. After MEX.
MEX X 15 10 35 48.9–.83 15.42N 94.79W 36–22 3.9
NEIC X 15 10 35 48.9 15.43N 94.79W 35 3.9 ¶13397147
MEX Error ellipse: s-maj=7.9km s-min=3.4km az=-1.0.
NEIC Event type se. After MEX.
MEX X 15 21 02 45.6–.61 15.94N 97.38W 14–8 3.7
NEIC X 15 21 02 45.5 15.95N 97.38W 13 3.7 ¶13397190
MEX Error ellipse: s-maj=5.4km s-min=2.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 16 06 45 53.2–1.4 15.65N 96.04W 5–9 3.5
NEIC X 16 06 45 52.9 15.63N 96.05W 6 3.5 ¶13397239
MEX Error ellipse: s-maj=11.2km s-min=8.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 16 09 04 20.6–.47 15.99N 97.14W 16–5 3.6
NEIC X 16 09 04 20.5 15.98N 97.14W 16 3.6 ¶13397246
MEX Error ellipse: s-maj=3.2km s-min=1.8km az=-1.0.
NEIC Event type se. After MEX.
MEX X 17 18 50 42.5–.68 15.61N 96.72W 10–10 3.5
NEIC X 17 18 50 42.5 15.61N 96.72W 10 3.5 ¶13397352
MEX Error ellipse: s-maj=7.1km s-min=2.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 21 14 04 24.3–.77 15.92N 97.72W 26–43 3.7
NEIC X 21 14 04 24.0 15.89N 97.72W 24 3.7 ¶13397703
MEX Error ellipse: s-maj=8.1km s-min=5.6km az=-1.0.
NEIC Event type se. After MEX.
MEX X 24 23 42 13.5–.92 15.93N 94.46W 68–20 3.9
NEIC X 24 23 42 13.5 15.93N 94.46W 68 3.9 ¶13398001
MEX Error ellipse: s-maj=5.7km s-min=3.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 26 07 54 20.5–1.0 15.45N 95.74W 17–16 3.8
NEIC X 26 07 54 20.8 15.51N 95.70W 20 3.8 ¶13398098
MEX Error ellipse: s-maj=12.8km s-min=6.1km az=-1.0.
NEIC Event type se. After MEX.
MEX X 26 22 05 49.7–.58 15.37N 95.79W 20–23 3.8
NEIC X 26 22 05 49.4 15.36N 95.79W 20 3.8 ¶13398177
MEX Error ellipse: s-maj=6.5km s-min=3.8km az=-1.0.
NEIC Event type se. After MEX.
MEX X 26 23 11 27.0–.71 15.60N 97.58W 10–8 3.9
NEIC X 26 23 11 27.7 15.59N 97.58W 20 3.9 ¶13398185
MEX Error ellipse: s-maj=6.1km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 27 16 50 37.2–.54 15.92N 97.31W 23–14 3.8
NEIC X 27 16 50 37.0 15.99N 97.26W 17 3.8 ¶13398273
MEX Error ellipse: s-maj=3.2km s-min=2.0km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 02 00 53 19.5–.78 15.43N 95.68W 10–0 3.9
¶14011174
MEX Error ellipse: s-maj=7.1km s-min=3.9km az=-1.0.
MEX XI 04 13 31 08.5–1.1 15.72N 94.05W 75–17 3.8
¶14011240
MEX Error ellipse: s-maj=6.9km s-min=4.1km az=-1.0.
MEX XI 05 02 45 00.5–1.1 15.74N 94.88W 19–72 3.8
¶14011284
MEX Error ellipse: s-maj=6.2km s-min=3.3km az=-1.0.
MEX XI 05 12 17 40.3–.94 16.00N 97.15W 27–16 3.7
¶14011287
MEX Error ellipse: s-maj=4.2km s-min=3.1km az=-1.0.
MEX XI 06 15 17 54.4–.30 15.76N 96.75W 9–5 3.5
¶14011326
MEX Error ellipse: s-maj=2.9km s-min=1.9km az=-1.0.
MEX XI 07 14 48 23.1–.80 15.74N 94.98W 34–217 4.0
¶14011360
MEX Error ellipse: s-maj=4.9km s-min=3.8km az=-1.0.
MEX XI 07 23 01 45.0–.56 15.84N 97.24W 14–8 3.7
¶14011363
MEX Error ellipse: s-maj=6.6km s-min=2.9km az=-1.0.
MEX XI 08 07 51 50.8–1.4 15.57N 95.92W 9–10 4.0
¶14011391
MEX Error ellipse: s-maj=17.0km s-min=11.4km az=-1.0.
MEX XI 13 19 23 49.7–.67 15.49N 96.43W 20–9 4.2
¶14011564
MEX Error ellipse: s-maj=6.9km s-min=3.4km az=-1.0.
MEX XI 14 00 00 41.1–.49 15.74N 96.63W 8–9 3.8
¶14011594
MEX Error ellipse: s-maj=5.7km s-min=2.8km az=-1.0.
MEX XI 15 08 50 09.1–1.0 15.90N 97.01W 28–15 3.6
¶14011635
MEX Error ellipse: s-maj=5.6km s-min=3.6km az=-1.0.
MEX XI 15 22 54 48.6–.78 15.67N 94.16W 66–16 3.9
¶14011639
MEX Error ellipse: s-maj=5.1km s-min=3.1km az=-1.0.
MEX XI 16 10 56 07.2–.74 15.28N 94.35W 19–49 3.7
¶14011672
MEX Error ellipse: s-maj=5.9km s-min=3.3km az=-1.0.
MEX XI 20 15 03 03.9–.65 15.87N 96.46W 13–6 4.0
¶14011795
MEX Error ellipse: s-maj=5.2km s-min=2.5km az=-1.0.
MEX XI 22 02 52 11.1–.32 15.99N 97.75W 10–6 3.5
¶14011832
MEX Error ellipse: s-maj=5.9km s-min=1.6km az=-1.0.
MEX XI 26 19 53 37.0–1.1 15.52N 96.46W 21–43 3.9
¶14011928
MEX Error ellipse: s-maj=10.1km s-min=7.2km az=-1.0.
ISC XII 08 13 24 30.1–1.7 15.54N–.06 94.60W–.03 21–12 3.8b,3.4s 216 1-133
IDC XII 08 13 24 25.2–1.2 15.50N 94.62W 0 4.2L,4.1 ¶12076360
ISCJB XII 08 13 24 29.7–1.5 15.52N–.05 94.65W–.03 33–11 3.8b,3.4s
NEIC XII 08 13 24 29.1–4.6 15.56N 94.38W 24–31 4.0b,3.4s
MEX XII 08 13 24 30.3–.63 15.44N 94.76W 16–6 4.2,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=20.4km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.2km az=13.4.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=10.8km az=212.0.
MEX Error ellipse: s-maj=4.0km s-min=1.9km az=-1.0.
MEX XII 11 22 20 38.3–.59 15.84N 97.02W 13–7 3.7
¶14268954
MEX Error ellipse: s-maj=4.3km s-min=3.0km az=-1.0.
MEX XII 12 19 27 06.5–.64 15.87N 97.14W 16–7 3.7
NEIC XII 12 19 27 06.5 15.87N 97.14W 16 3.7 ¶13837059
MEX Error ellipse: s-maj=4.3km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 13 13 57 26.4–.53 15.58N 96.06W 7–3 3.6
NEIC XII 13 13 57 26.4 15.58N 96.06W 6 3.6 ¶13837070
MEX Error ellipse: s-maj=4.5km s-min=3.4km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 13 15 18 43.5–.56 15.64N 96.08W 8–3 3.6
NEIC XII 13 15 18 43.6 15.66N 96.04W 5 3.6 ¶13837072
MEX Error ellipse: s-maj=5.4km s-min=4.4km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 18 03 57 47.9–.76 15.34N 94.58W 18–55 4.1
NEIC XII 18 03 57 48.0 15.32N 94.58W 18 4.0 ¶13837136
MEX Error ellipse: s-maj=7.8km s-min=3.2km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 19 12 05 42.2–.57 15.77N 95.67W 34–15 3.8
NEIC XII 19 12 05 42.0 15.78N 95.69W 41 3.8 ¶13837160
MEX Error ellipse: s-maj=5.6km s-min=3.7km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 20 09 13 29.8–1.0 15.87N 95.40W 17–16 3.9
NEIC XII 20 09 13 29.9 15.88N 95.39W 16 3.9 ¶13837166
MEX Error ellipse: s-maj=10.2km s-min=7.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 23 06 54 25.9–.50 15.98N 95.32W 16–5 3.8
NEIC XII 23 06 54 25.9 15.97N 95.32W 16 3.8 ¶13837226
MEX Error ellipse: s-maj=2.7km s-min=1.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 23 07 43 08.1–.95 15.47N 95.70W 20–62 4.1
NEIC XII 23 07 43 08.2 15.46N 95.69W 20 4.1 ¶13837227
MEX Error ellipse: s-maj=10.0km s-min=4.4km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 26 22 35 30.1–.62 15.78N 94.09W 78–13 4.2
NEIC XII 26 22 35 29.6 15.72N 94.10W 83 4.2 ¶13837280
MEX Error ellipse: s-maj=4.7km s-min=3.9km az=-1.0.

NEIC Event type se. After MEX.
ISC XII 31 06 52 12.7–1.3 15.50N–.08 95.58W–.04 17–6 3.3b 45 1-60
IDC XII 31 06 52 10.0–2.7 15.50N 95.68W 0 3.8L,3.8 ¶12079632
ISCJB XII 31 06 52 11.8–1.4 15.43N–.08 95.59W–.05 28–8 3.3b,3.8
NEIC XII 31 06 52 14.6 15.44N 95.68W 9 4.2,3.8
MEX XII 31 06 52 14.5–.54 15.43N 95.67W 10–19 4.2,3.8
ISC Event type se.
IDC Error ellipse: s-maj=48.6km s-min=19.6km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.9km az=1.1.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=17.0km s-min=6.0km az=-1.0.

(67) Off coast of Oaxaca.

MEX IX 06 09 18 47.8–1.5 14.93N 95.02W 16–35 4.1
NEIC IX 06 09 18 47.8 14.94N 95.01W 16 4.1 ¶12951926
MEX Error ellipse: s-maj=34.5km s-min=6.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 12 05 28 11.8–1.1 14.83N 97.43W 22–26 4.0
¶14268996
MEX Error ellipse: s-maj=8.8km s-min=5.7km az=-1.0.

(68) Off coast of Chiapas.

CASC VII 02 15 45 01.2–2.4 13.79N 92.13W 65–72 3.6
¶13942663
CASC Error ellipse: s-maj=31.7km s-min=17.6km az=-1.0.
MEX VII 03 02 34 05.6–.78 13.93N 93.15W 6–44 4.0
¶13641809
MEX Error ellipse: s-maj=35.2km s-min=13.6km az=-1.0.
MEX VII 06 10 47 57.7–.71 13.87N 93.33W 11–20 3.9
NEIC VII 06 10 47 57.7 13.87N 93.33W 11 3.9 ¶12951069
MEX Error ellipse: s-maj=16.8km s-min=6.4km az=-1.0.
NEIC Event type se. After MEX.
ISC VII 10 01 35 09.0–.97 13.91N–.07 93.18W–.06 35 4.0b,3.5s 31 1-58
MEX VII 10 01 35 04.2–1.5 13.63N 93.28W 20–46 4.4,3.5s ¶11811141
NEIC VII 10 01 35 04.0 13.63N 93.28W 20 4.4,4.1b
ISCJB VII 10 01 35 05.8–.82 13.83N–.06 93.31W–.05 33 4.0b,3.5s
CASC VII 10 01 35 12.3–1.3 14.15N 92.93W 58–98 4.1,4.1b
IDC VII 10 01 35 15.0–4.0 14.69N 92.85W 38–38 4.0,3.7b
ISC Event type se.
MEX Error ellipse: s-maj=17.8km s-min=14.3km az=-1.0.
NEIC Event type se. After MEX.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.7km az=24.3.
CASC Error ellipse: s-maj=84.9km s-min=421.8km az=-1.0.
IDC Error ellipse: s-maj=41.2km s-min=18.2km az=41.0.
MEX VII 17 20 29 28.2–1.2 14.81N 94.45W 16–22 4.0
¶13642779
MEX Error ellipse: s-maj=28.0km s-min=5.1km az=-1.0.
ISC VII 17 20 40 46.6–1.0 14.97N–.09 94.37W–.05 35 3.8b 27 1-86
MEX VII 17 20 40 42.4–1.2 14.61N 94.42W 16–45 4.0 ¶11811859
IDC VII 17 20 40 43.0–2.6 15.11N 94.29W 0 4.0,3.9
NEIC VII 17 20 40 42.0 14.59N 94.42W 16 4.2b,3.9
ISCJB VII 17 20 40 43.9–.90 14.87N–.08 94.43W–.04 33 3.8b,3.9
ISC Event type se.
NEIC Event type se. After MEX.
ISCJB Event type se.
CASC VIII 04 05 17 27.9–1.7 13.87N 93.09W 20–338 3.9
¶13942846
CASC Error ellipse: s-maj=43.6km s-min=215.9km az=-1.0.
ISC VIII 19 10 10 55.7–1.1 14.32N–.07 94.13W–.03 35 3.6b 36 2-145
IDC VIII 19 10 10 51.7–3.9 14.64N 93.14W 0 3.8,3.6b ¶11908428
ISCJB VIII 19 10 10 54.4–1.1 14.36N–.07 94.17W–.03 33 3.6b,3.6b
NEIC VIII 19 10 10 55.3 14.26N 94.17W 20 3.9,3.6b
MEX VIII 19 10 10 55.4–1.2 14.28N 94.19W 16–18 3.9,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=266.8km s-min=55.5km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.5km az=179.8.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=14.7km s-min=5.2km az=-1.0.
ISC VIII 23 10 05 50.5–.63 14.47N–.05 94.14W–.04 35 3.8b 48 2-145
IDC VIII 23 10 05 46.0–1.1 14.46N 93.96W 0 4.0,3.9 ¶13392383
MEX VIII 23 10 05 46.5–.90 14.24N 94.05W 16–14 4.4,3.9
NEIC VIII 23 10 05 46.8 14.25N 94.07W 16 4.4,3.9b
ISCJB VIII 23 10 05 48.3–.62 14.45N–.05 94.15W–.04 33 3.8b,3.9b
ISC Event type se.
NEIC Event type se. After MEX.
ISCJB Event type se.
MEX VIII 23 21 36 24.3–.51 13.98N 93.24W 17–23 4.3
NEIC VIII 23 21 36 24.5 13.98N 93.23W 16 4.3 ¶12100186
MEX Error ellipse: s-maj=6.5km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 05 06 02 20.8–.37 13.43N 92.44W 16–18 4.1
NEIC IX 05 06 02 20.8 13.43N 92.44W 16 4.1 ¶12951915
MEX Error ellipse: s-maj=4.5km s-min=6.5km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 06 17 48 14.0–1.3 13.78N–.04 92.35W–.03 7–7 4.4b,4.2s 178 1-146
IDC IX 06 17 48 12.7–1.5 14.16N 91.73W 0 4.4,4.1 ¶11277446
ISCJB IX 06 17 48 13.3–1.2 13.72N–.05 92.40W–.04 15–8 4.4b,4.2s
MEX IX 06 17 48 15.2–1.0 13.69N 92.50W 4–74 4.5,4.2s
NEIC IX 06 17 48 15.2–3.0 13.76N 92.28W 28–21 4.5b,4.5
CASC IX 06 17 48 17.2–.84 14.03N 92.30W 35–999 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=62.3km s-min=19.2km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.0km az=33.0.
MEX Error ellipse: s-maj=61.7km s-min=22.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=10.1km az=209.0.
CASC Error ellipse: s-maj=29.2km s-min=688.7km az=-1.0.
MEX IX 08 00 01 13.9–1.6 14.65N 94.45W 16–35 4.0
NEIC IX 08 00 01 13.9 14.65N 94.45W 16 4.0 ¶12951955
MEX Error ellipse: s-maj=33.9km s-min=7.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 20 11 28 25.4–1.5 13.98N 93.00W 18–48 4.2
NEIC IX 20 11 28 25.4 13.98N 93.00W 18 4.2 ¶12952107
MEX Error ellipse: s-maj=13.4km s-min=11.9km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 24 23 04 10.3–3.0 13.78N–.07 92.32W–.06 14–22 3.4b 25 1-146
CASC IX 24 23 03 18.3–.88 12.23N 95.87W 20–0 3.6,3.3b ¶13944581
IDC IX 24 23 04 09.0–2.9 13.84N 92.31W 0 3.8,3.6L
NEIC IX 24 23 04 13.5–.70 13.90N 92.27W 35 3.3b,3.6L
ISC Event type se.
CASC Error ellipse: s-maj=409.3km s-min=44.8km az=-1.0.
IDC Error ellipse: s-maj=53.6km s-min=29.8km az=8.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.1km az=219.0.
MEX IX 29 08 36 07.8–1.2 14.35N 94.00W 13–22 3.9
¶13856687
MEX Error ellipse: s-maj=17.7km s-min=7.3km az=-1.0.
ISC X 03 16 04 35.3–.40 13.84N–.04 92.33W–.02 35 4.3b,3.7s 111 1-146
IDC X 03 16 04 31.0–1.1 13.80N 92.23W 0 4.5,4.2 ¶12065788
ISCJB X 03 16 04 33.2–.39 13.82N–.04 92.39W–.02 33 4.3b,3.7s
CASC X 03 16 04 34.5–2.1 13.75N 92.28W 42–180 4.4b,4.0
NEIC X 03 16 04 35.0–2.2 13.86N 92.31W 26–16 4.6,4.4b
MEX X 03 16 04 36.2–.77 13.86N 92.43W 18–34 4.6,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=18.8km az=28.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.6km az=22.8.
CASC Error ellipse: s-maj=18.7km s-min=10.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=6.7km az=209.0.
MEX Error ellipse: s-maj=9.0km s-min=10.9km az=-1.0.
MEX X 10 20 06 21.7–1.1 14.99N 94.10W 16–21 3.6
NEIC X 10 20 06 21.7 14.99N 94.10W 16 3.6 ¶13396597
MEX Error ellipse: s-maj=20.5km s-min=5.2km az=-1.0.
NEIC Event type se. After MEX.
MEX X 16 02 16 15.2–.75 15.00N 94.18W 50–33 3.9
NEIC X 16 02 16 15.1 15.00N 94.18W 49 3.8 ¶13397217
MEX Error ellipse: s-maj=8.9km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 17 03 50 58.7–.77 13.79N 93.23W 16–28 4.2
NEIC X 17 03 50 58.7 13.79N 93.23W 16 4.2 ¶13397309
MEX Error ellipse: s-maj=7.9km s-min=7.0km az=-1.0.
NEIC Event type se. After MEX.
MEX X 17 06 07 43.0–.75 13.33N 93.23W 20–82 4.1
¶13909938
MEX Error ellipse: s-maj=70.1km s-min=16.1km az=-1.0.
ISC X 17 15 06 02.7–1.5 13.99N–.05 92.79W–.03 17–10 3.8b 69 1-146
IDC X 17 15 06 00.6–2.0 14.10N 92.53W 0 4.2,3.9L ¶12068892
ISCJB X 17 15 06 02.0–1.5 13.93N–.05 92.84W–.03 29–14 3.8b,3.9L
MEX X 17 15 06 02.8–.95 13.89N 92.83W 9–24 4.3,3.9L
NEIC X 17 15 06 03.2 13.88N 92.81W 11 4.3,3.7b
CASC X 17 15 06 05.1–1.3 14.04N 92.68W 48–73 3.7,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=54.2km s-min=26.2km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=3.8km az=15.9.
MEX Error ellipse: s-maj=21.4km s-min=7.5km az=-1.0.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=21.5km s-min=13.0km az=-1.0.
MEX X 18 03 20 43.5–.90 13.83N 92.84W 16–39 4.1
NEIC X 18 03 20 43.5 13.83N 92.85W 16 4.1 ¶13397385
MEX Error ellipse: s-maj=9.6km s-min=8.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 19 13 15 49.0–.57 13.56N 92.72W 20–25 4.1
NEIC X 19 13 15 50.2 13.72N 92.79W 8 4.1 ¶13397506
MEX Error ellipse: s-maj=7.7km s-min=7.9km az=-1.0.
NEIC Event type se. After MEX.
ISC X 20 23 55 57.7–2.4 14.76N–.08 94.39W–.04 6–18 3.6b 37 1-61
ISCJB X 20 23 55 56.9–2.2 14.71N–.07 94.46W–.03 16–21 3.6b ¶12069179
MEX X 20 23 55 59.8–.60 14.59N 94.47W 16–7 3.9
IDC X 20 23 55 59.5–3.4 15.00N 94.18W 0 4.0,3.8
NEIC X 20 23 56 05.1–1.3 15.18N 94.01W 35 3.7b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=5.2km az=7.3.
MEX Error ellipse: s-maj=5.8km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=51.9km s-min=41.8km az=10.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=8.6km az=211.0.
ISC X 21 02 16 13.2–.82 13.95N–.06 92.97W–.04 35 4.0b,3.5s 50 1-63
MEX X 21 02 16 09.8–.68 13.72N 93.07W 16–25 4.3,3.5s ¶12070714
ISCJB X 21 02 16 10.7–.79 13.89N–.05 93.09W–.04 33 4.0b,3.5s
NEIC X 21 02 16 10.1 13.73N 93.08W 16 4.3,4.2b
CASC X 21 02 16 18.4–1.2 14.24N 92.57W 62–30 4.2b,4.0
IDC X 21 02 16 19.9–2.8 14.61N 92.89W 49–26 3.9,3.7L
ISC Event type se.
MEX Error ellipse: s-maj=21.8km s-min=6.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.4km az=12.7.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=27.7km s-min=25.7km az=-1.0.
IDC Error ellipse: s-maj=32.0km s-min=26.5km az=12.0.
MEX X 21 13 18 22.7–.55 13.91N 93.29W 20–19 4.2
NEIC X 21 13 18 22.6 13.92N 93.27W 15 4.2 ¶13397699
MEX Error ellipse: s-maj=6.8km s-min=7.9km az=-1.0.
NEIC Event type se. After MEX.
MEX X 21 14 12 29.5–.61 13.67N 93.07W 13–23 4.2
NEIC X 21 14 12 32.6 13.77N 93.07W 17 4.2 ¶13397704
MEX Error ellipse: s-maj=20.8km s-min=5.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 22 11 40 12.5–.94 13.63N 93.22W 10–68 4.1
¶13910058
MEX Error ellipse: s-maj=57.2km s-min=16.9km az=-1.0.
IDC X 28 03 51 01.8–3.8 13.86N 92.49W 0 4.0,3.7
¶12071301
IDC Error ellipse: s-maj=74.6km s-min=52.4km az=164.0.
ISC XI 02 03 51 16.8–1.1 13.91N–.04 92.32W–.03 25–8 4.0b,3.6s 90 1-146
ISCJB XI 02 03 51 14.3–1.4 13.85N–.04 92.40W–.03 22–11 4.0b,3.6s ¶12071945
CASC XI 02 03 51 16.3–1.8 13.88N 92.30W 66–52 4.1b,3.8L
MEX XI 02 03 51 17.8–1.4 13.90N 92.55W 5–42 4.4,3.8L
IDC XI 02 03 51 19.2–2.2 13.98N 92.22W 44–19 4.0,3.8
NEIC XI 02 03 51 19.8–1.2 14.03N 92.17W 44–11 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.0km az=22.7.
CASC Error ellipse: s-maj=24.5km s-min=14.4km az=-1.0.
MEX Error ellipse: s-maj=33.3km s-min=16.5km az=-1.0.
IDC Error ellipse: s-maj=24.9km s-min=13.0km az=44.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.3km az=47.0.
ISC XI 02 19 27 56.3–1.9 13.80N–.09 92.45W–.06 12–16 25 1-146
IDC XI 02 19 27 56.1–3.0 13.90N 92.37W 0 4.0L,3.8 ¶12072021
MEX XI 02 19 27 57.5–1.0 13.65N 92.40W 16–41 4.3,3.8
IDC Error ellipse: s-maj=55.5km s-min=42.1km az=149.0.
MEX Error ellipse: s-maj=33.6km s-min=18.2km az=-1.0.
ISC XI 02 23 19 30.8–1.2 13.88N–.05 92.24W–.03 29–9 4.3b,3.6s 135 1-146
ISCJB XI 02 23 19 29.8–.71 13.84N–.05 92.25W–.04 40–5 4.3b,3.6s ¶12072046
MEX XI 02 23 19 29.6–1.1 13.72N 92.42W 15–0 4.5,3.6s
NEIC XI 02 23 19 29.0 13.72N 92.42W 15 4.4b,4.1
CASC XI 02 23 19 37.6–2.3 13.97N 91.67W 28–20 4.4b,3.9L
IDC XI 02 23 19 38.1–3.2 14.24N 91.67W 91–25 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=4.2km az=36.4.
MEX Error ellipse: s-maj=10.7km s-min=12.1km az=-1.0.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=17.3km s-min=17.3km az=-1.0.
IDC Error ellipse: s-maj=27.2km s-min=18.3km az=34.0.
MEX XI 13 14 01 10.9–.63 14.95N 94.69W 22–24 4.0
¶14011562
MEX Error ellipse: s-maj=7.1km s-min=4.7km az=-1.0.
MEX XI 15 06 41 01.2–.85 14.56N 94.02W 5–0 3.8
¶14011634
MEX Error ellipse: s-maj=10.2km s-min=6.7km az=-1.0.
MEX XI 23 10 03 59.4–.90 14.35N 94.25W 16–20 4.1
¶14011843
MEX Error ellipse: s-maj=21.3km s-min=5.5km az=-1.0.
ISC XI 24 07 04 37.1–1.5 13.88N–.04 93.13W–.03 16–9 4.4b,4.0s 396 1-146
IDC XI 24 07 04 32.6–.75 13.71N 93.19W 0 4.3,4.3 ¶13400999
BJI XI 24 07 04 35.3 13.80N 93.00W 29 5.1b,4.8s
NEIC XI 24 07 04 36.0 13.72N 93.37W 16 4.5b,4.5
ISCJB XI 24 07 04 36.1–1.4 13.85N–.04 93.17W–.03 23–10 4.4b,4.0s
MEX XI 24 07 04 36.2–.95 13.72N 93.38W 16–35 4.5,4.0s
CASC XI 24 07 04 40.2–1.5 13.71N 92.88W 90–64 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=14.2km az=60.0.
NEIC Event type se. After MEX.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.5km az=19.2.
MEX Error ellipse: s-maj=25.0km s-min=8.0km az=-1.0.
CASC Error ellipse: s-maj=54.9km s-min=42.0km az=-1.0.

(69) Near coast of Chiapas.

ISC VII 01 04 45 29.6–.78 14.77N–.09 92.24W–.07 74–8 26 0-8
CASC VII 01 04 45 26.9–1.6 14.61N 92.36W 87–20 3.7 ¶12950834
ISCJB VII 01 04 45 28.4–.77 14.76N–.09 92.25W–.06 82–8 3.7
MEX VII 01 04 45 29.3–.58 14.81N 92.06W 81–7 4.4
NEIC VII 01 04 45 29.2 14.84N 92.02W 80 4.4
ISC Event type se.
CASC Error ellipse: s-maj=22.7km s-min=12.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=4.8km az=33.3.
MEX Error ellipse: s-maj=11.3km s-min=11.6km az=-1.0.
NEIC Event type se. After MEX.
ISC VII 02 02 19 45.7–2.0 14.27N–.05 93.00W–.04 6–13 4.2b,3.7s 187 1-145

IDC VII 02 02 19 42.9–1.6 14.10N 93.04W 0 4.2,3.9 ¶11006847
NEIC VII 02 02 19 44.9 14.10N 93.37W 19 4.5,4.3b
ISCJB VII 02 02 19 44.0–1.7 14.24N–.05 93.06W–.03 7–12 4.2b,3.7s
CASC VII 02 02 19 45.1–1.5 14.02N 93.16W 79–66 4.3b,4.2
BJI VII 02 02 19 46.9 14.10N 93.40W 19 5.1b,4.7s
MEX VII 02 02 19 47.1–.83 14.19N 93.18W 13–17 4.5,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=48.8km s-min=21.1km az=41.0.
NEIC Event type se. After MEX.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.6km az=23.4.
CASC Error ellipse: s-maj=29.4km s-min=21.7km az=-1.0.
MEX Error ellipse: s-maj=12.0km s-min=4.9km az=-1.0.
ISC VII 03 04 51 15.3–.73 14.01N–.07 92.07W–.04 35 24 1-6
ISCJB VII 03 04 51 13.5–.75 13.94N–.06 92.13W–.04 33 ¶13641807
MEX VII 03 04 51 15.5–.48 13.94N 92.08W 17–33 4.0
CASC VII 03 04 51 17.5–2.0 13.99N 91.78W 20–0 3.6
ISCJB Error ellipse: s-maj=9.8km s-min=3.8km az=19.8.
MEX Error ellipse: s-maj=6.0km s-min=8.4km az=-1.0.
CASC Error ellipse: s-maj=9.5km s-min=9.0km az=-1.0.
ISC VII 04 06 18 46.3–.53 14.64N–.05 92.73W–.04 50–6 4.0b 61 1-145
ISCJB VII 04 06 18 44.7–.55 14.60N–.05 92.76W–.04 58–6 4.0b ¶11810587
IDC VII 04 06 18 44.6–3.5 14.62N 92.45W 52–31 4.0,4.0L
MEX VII 04 06 18 45.4–.82 14.51N 92.75W 53–28 4.3,4.0L
NEIC VII 04 06 18 46.6 14.55N 92.79W 30 4.4,3.9b
CASC VII 04 06 18 47.2–2.2 14.58N 92.59W 28–594 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=3.7km az=31.5.
IDC Error ellipse: s-maj=49.2km s-min=19.8km az=50.0.
MEX Error ellipse: s-maj=12.0km s-min=12.5km az=-1.0.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=34.4km s-min=383.7km az=-1.0.
ISC VII 04 06 30 39.7–1.6 14.58N–.05 92.81W–.04 16–10 33 1-4
ISCJB VII 04 06 30 39.9–1.2 14.54N–.06 92.82W–.04 29–8 ¶13641880
MEX VII 04 06 30 40.7–.67 14.49N 92.75W 55–28 4.2
CASC VII 04 06 30 41.5–1.6 14.62N 92.71W 26–539 3.8
ISCJB Error ellipse: s-maj=11.2km s-min=3.8km az=30.5.
MEX Error ellipse: s-maj=11.5km s-min=12.6km az=-1.0.
CASC Error ellipse: s-maj=41.1km s-min=344.3km az=-1.0.
MEX VII 04 14 45 57.4–.94 14.18N 93.54W 16–178 3.9
NEIC VII 04 14 45 57.4 14.18N 93.54W 16 3.9 ¶12951017
MEX Error ellipse: s-maj=129.4km s-min=96.0km az=-1.0.
NEIC Event type se. After MEX.
ISC VII 04 15 58 58.6–.57 14.20N–.05 93.30W–.03 35 3.8b,3.6s 55 1-145
IDC VII 04 15 58 54.6–2.9 14.21N 93.34W 0 4.1,3.8b ¶11810622
ISCJB VII 04 15 58 56.8–.56 14.18N–.05 93.37W–.03 33 3.8b,3.6s
MEX VII 04 15 58 57.7–1.5 14.14N 93.39W 18–130 4.2,3.6s
NEIC VII 04 15 58 57.7 14.14N 93.39W 18 4.2,3.8b
CASC VII 04 15 58 58.6–1.9 13.77N 93.21W 45–459 4.1,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=24.8km az=18.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=3.5km az=18.6.
MEX Error ellipse: s-maj=15.9km s-min=15.1km az=-1.0.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=36.2km s-min=18.2km az=-1.0.
ISC VII 05 07 04 52.7–.50 14.88N–.06 92.57W–.04 83–8 49 0-7
ISCJB VII 05 07 04 51.3–.49 14.84N–.06 92.60W–.04 90–7 ¶12951044
CASC VII 05 07 04 52.5–1.8 14.79N 92.55W 79–21 3.8
MEX VII 05 07 04 52.7–1.2 14.89N 92.44W 96–10 4.1
NEIC VII 05 07 04 52.6 14.88N 92.45W 97 4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=3.5km az=29.8.
CASC Error ellipse: s-maj=23.1km s-min=12.3km az=-1.0.
MEX Error ellipse: s-maj=9.6km s-min=11.5km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 06 02 50 27.9–.84 14.11N 93.33W 10–90 3.8
¶13641987
MEX Error ellipse: s-maj=70.8km s-min=39.2km az=-1.0.
ISC VII 07 00 29 53.1–1.5 14.26N–.04 93.18W–.04 30–11 3.9b,3.4s 124 1-145
CASC VII 07 00 29 46.6–1.7 14.10N 93.59W 22–999 3.9,3.9b ¶11810840
IDC VII 07 00 29 48.2–1.1 14.20N 93.27W 0 4.1,3.9
MEX VII 07 00 29 49.4–.76 14.05N 93.42W 16–22 4.4,3.9
NEIC VII 07 00 29 49.4 14.05N 93.42W 16 4.4,3.9b
ISCJB VII 07 00 29 52.7–.94 14.29N–.05 93.16W–.05 40–8 3.9b,3.4s
ISC Event type se.
NEIC Event type se. After MEX.
ISCJB Event type se.
ISC VII 07 21 14 31.5–.34 15.53N–.04 93.13W–.03 84–2 4.2b 228 0-144
CASC VII 07 21 14 03.1–.53 16.46N 95.00W 21–0 4.3b,4.1 ¶11121183
NEIC VII 07 21 14 29.0 15.42N 93.24W 102 4.4,4.3b
ISCJB VII 07 21 14 30.5–.35 15.55N–.04 93.08W–.04 95–2 4.2b,4.3b
MEX VII 07 21 14 30.0–.71 15.42N 93.23W 102–6 4.3,4.3b
IDC VII 07 21 14 31.1–2.3 15.51N 93.01W 101–15 4.1,3.8
BJI VII 07 21 14 37.0 15.40N 93.20W 102 4.9b,3.8
ISC Event type se.
CASC Error ellipse: s-maj=134.8km s-min=27.0km az=-1.0.
NEIC Event type se. After MEX.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.8km az=38.5.
MEX Error ellipse: s-maj=4.2km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=55.9km s-min=12.7km az=26.0.
MEX VII 08 16 59 45.4–.77 15.69N 93.95W 28–50 4.2
¶13642073
MEX Error ellipse: s-maj=6.1km s-min=11.6km az=-1.0.
MEX VII 11 09 56 55.9–1.8 14.45N 93.62W 17–287 4.0
NEIC VII 11 09 56 55.9 14.45N 93.62W 17 4.0 ¶12951205
MEX Error ellipse: s-maj=26.3km s-min=54.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 11 09 58 47.1–.70 14.07N 93.37W 7–17 4.1
NEIC VII 11 09 58 47.1 14.07N 93.37W 7 4.1 ¶12951204
MEX Error ellipse: s-maj=14.5km s-min=6.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 13 12 54 11.4–.65 15.14N 93.26W 72–9 3.8
¶13642535
MEX Error ellipse: s-maj=9.9km s-min=11.2km az=-1.0.
MEX VII 16 16 30 30.7–.45 15.55N 93.28W 101–5 3.5
¶13642744
MEX Error ellipse: s-maj=4.8km s-min=7.3km az=-1.0.
ISC VII 16 20 25 53.6–.90 14.78N–.08 92.58W–.05 81–7 3.8b 24 0-145
ISCJB VII 16 20 25 52.3–.92 14.75N–.08 92.61W–.05 86–7 3.8b ¶11811776
NEIC VII 16 20 25 53.9 14.44N 92.84W 16 3.8
MEX VII 16 20 25 54.2–1.8 14.75N 92.59W 84–19 4.0
IDC VII 16 20 25 54.4–4.4 14.87N 92.53W 89–21 3.7,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=6.7km az=19.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=15.9km s-min=18.9km az=-1.0.
IDC Error ellipse: s-maj=79.2km s-min=8.5km az=21.0.
MEX VII 18 04 22 27.7–1.9 14.24N 93.19W 16–379 4.1
¶13642824
MEX Error ellipse: s-maj=19.5km s-min=15.6km az=-1.0.
MEX VII 18 15 28 39.9–1.2 14.28N 93.11W 13–34 4.0
¶13642825
MEX Error ellipse: s-maj=28.8km s-min=13.3km az=-1.0.
MEX VII 19 20 15 10.8–1.0 14.60N 93.64W 16–21 4.0
¶13642874
MEX Error ellipse: s-maj=14.1km s-min=12.0km az=-1.0.
ISC VII 20 05 54 48.1–3.1 14.22N–.08 93.76W–.08 11–23 3.7b 17 2-86
MEX VII 20 05 54 48.2–.77 14.10N 93.88W 10–0 4.0 ¶11812140
NEIC VII 20 05 54 48.0 14.07N 93.86W 10 4.0,3.7b
IDC VII 20 05 54 52.5–9.7 15.18N 94.02W 0 3.7,3.5b
ISC Event type se.
MEX Error ellipse: s-maj=8.1km s-min=8.2km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=292.3km s-min=76.4km az=34.0.
MEX VII 20 10 08 25.5–.86 14.15N 92.97W 18–115 4.1
¶13642946
MEX Error ellipse: s-maj=13.8km s-min=8.9km az=-1.0.
ISC VII 21 12 51 15.8–.55 15.50N–.05 93.17W–.04 96–4 3.5b 30 0-61
ISCJB VII 21 12 51 14.7–.56 15.48N–.06 93.18W–.05 102–4 3.5b ¶11812265
IDC VII 21 12 51 15.9–1.1 15.43N 93.06W 99–7 3.5,3.4
MEX VII 21 12 51 16.3–.90 15.49N 93.29W 104–8 4.1,3.4
NEIC VII 21 12 51 16.7 15.51N 93.23W 103 4.1,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.9km az=29.9.
IDC Error ellipse: s-maj=31.7km s-min=9.1km az=27.0.
MEX Error ellipse: s-maj=5.1km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 23 00 57 03.3–.54 14.74N 93.82W 15–0 4.1
¶13643096
MEX Error ellipse: s-maj=6.7km s-min=6.6km az=-1.0.
ISC VII 23 12 36 52.8–.62 15.23N–.07 93.36W–.05 66–7 3.7b 29 0-61
ISCJB VII 23 12 36 51.8–.63 15.23N–.07 93.36W–.05 72–6 3.7b ¶11812437
MEX VII 23 12 36 53.1–.50 15.19N 93.31W 75–6 4.1
NEIC VII 23 12 36 53.0 15.19N 93.32W 74 4.1,3.6b
IDC VII 23 12 36 55.2–3.3 15.58N 93.03W 77–22 3.7,3.5
CASC VII 23 12 36 55.0–1.5 15.39N 92.96W 130–53 4.0,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=5.4km az=30.1.
MEX Error ellipse: s-maj=4.0km s-min=3.7km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=105.8km s-min=23.3km az=27.0.
CASC Error ellipse: s-maj=44.0km s-min=32.7km az=-1.0.
IDC VII 24 08 00 52.2–3.7 14.67N 93.44W 0 3.9,3.7
¶12698418
IDC Error ellipse: s-maj=117.9km s-min=38.7km az=41.0.
MEX VII 24 16 52 23.3–.36 15.24N 93.25W 79–6 4.0
¶13643156
MEX Error ellipse: s-maj=3.9km s-min=4.2km az=-1.0.
MEX VII 24 20 43 49.9–.76 15.23N 93.34W 76–9 4.0
¶13643158
MEX Error ellipse: s-maj=6.4km s-min=4.7km az=-1.0.
MEX VII 24 22 11 35.4–1.0 14.40N 93.16W 17–285 3.4
NEIC VII 24 22 11 35.0 14.39N 93.18W 12 3.8 ¶12951620
MEX Error ellipse: s-maj=236.2km s-min=135.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VII 25 03 50 15.6–1.1 14.66N 93.32W 6–0 3.5
¶13643208
MEX Error ellipse: s-maj=6.9km s-min=5.2km az=-1.0.
IDC VII 29 18 21 41.6–2.9 15.01N 93.94W 0 3.7,3.6
¶12698486
IDC Error ellipse: s-maj=110.6km s-min=27.6km az=68.0.
MEX VII 31 22 24 08.0–.88 14.28N 92.68W 16–113 3.8
¶13643469
MEX Error ellipse: s-maj=99.8km s-min=15.3km az=-1.0.
ISC VIII 01 16 21 54.5–1.7 14.47N–.09 93.21W–.07 14–16 3.7b 23 1-50
ISCJB VIII 01 16 21 54.4–1.4 14.45N–.07 93.26W–.05 21–12 3.7b ¶11907673
MEX VIII 01 16 21 56.8–.53 14.35N 93.20W 36–51 4.0
IDC VIII 01 16 21 57.0–1.7 15.12N 92.56W 0 3.8,3.7b
NEIC VIII 01 16 22 01.8–1.1 14.91N 92.93W 35 3.7b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=8.2km az=164.9.
MEX Error ellipse: s-maj=16.2km s-min=14.5km az=-1.0.
IDC Error ellipse: s-maj=97.6km s-min=23.1km az=49.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=14.1km az=220.0.
MEX VIII 02 01 12 26.2–.36 15.21N 93.25W 67–4 4.0
¶13808534
MEX Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0.
ISC VIII 05 15 59 32.4–1.3 14.24N–.09 93.24W–.05 10 3.8b 25 1-51
IDC VIII 05 15 59 21.6–12 13.41N 92.05W 0 4.0,3.7b ¶11907799
MEX VIII 05 15 59 34.3–.96 14.11N 93.26W 14–23 4.0,3.7b
NEIC VIII 05 15 59 34.3 14.11N 93.26W 14 4.0,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=256.8km s-min=122.0km az=12.0.
MEX Error ellipse: s-maj=17.8km s-min=8.2km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 07 10 26 04.6–.68 14.81N 93.87W 21–36 4.1
NEIC VIII 07 10 26 04.6 14.82N 93.87W 20 4.1 ¶12099749
MEX Error ellipse: s-maj=5.6km s-min=5.3km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 08 07 57 43.5–.63 14.09N 93.39W 20–22 4.0
NEIC VIII 08 07 57 43.5 14.09N 93.38W 22 4.0 ¶12099785
MEX Error ellipse: s-maj=6.6km s-min=5.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 09 09 36 20.1–1.2 14.20N 92.50W 12–181 3.9
¶13827140
MEX Error ellipse: s-maj=155.8km s-min=13.5km az=-1.0.
ISC VIII 10 20 51 34.4–1.7 14.26N–.04 93.02W–.03 11–11 4.1b,3.5s 202 1-145
IDC VIII 10 20 51 31.7–1.1 14.40N 92.70W 0 4.2,4.1 ¶11813188
CASC VIII 10 20 51 31.2–2.1 13.70N 93.24W 105–92 4.5b,4.1
ISCJB VIII 10 20 51 32.6–1.5 14.22N–.04 93.11W–.03 11–10 4.1b,3.5s
NEIC VIII 10 20 51 33.1–3.8 14.18N 92.92W 12–23 4.5,4.2b
MEX VIII 10 20 51 34.3–.63 14.09N 93.24W 18–21 4.4,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=15.2km az=49.0.
CASC Error ellipse: s-maj=46.0km s-min=24.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.6km az=16.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.5km az=209.0.
MEX Error ellipse: s-maj=7.3km s-min=5.2km az=-1.0.
MEX VIII 12 07 57 37.7–.58 15.10N 93.86W 16–46 4.1
¶13827272
MEX Error ellipse: s-maj=7.3km s-min=3.7km az=-1.0.
MEX VIII 12 20 26 56.7–.74 15.20N 93.90W 30–17 4.1
NEIC VIII 12 20 26 57.0 15.23N 93.92W 16 4.0 ¶12099891
MEX Error ellipse: s-maj=8.8km s-min=5.6km az=-1.0.
NEIC Event type se. After MEX.
ISC VIII 12 23 53 52.0–.48 14.63N–.05 92.84W–.03 58–7 3.7b 49 1-62
IDC VIII 12 23 53 40.0–7.4 14.52N 91.95W 0 3.8,3.7 ¶11908126
ISCJB VIII 12 23 53 50.5–.51 14.59N–.05 92.87W–.03 67–7 3.6b,3.7
NEIC VIII 12 23 53 52.1 14.55N 92.86W 56 4.2,3.7
MEX VIII 12 23 53 52.0–.53 14.57N 92.84W 62–12 4.2,3.7
CASC VIII 12 23 53 54.0–2.1 14.62N 92.68W 54–72 3.9,3.7
ISC Event type se.
IDC Error ellipse: s-maj=176.7km s-min=67.7km az=19.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.5km az=28.5.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=5.3km s-min=5.0km az=-1.0.
CASC Error ellipse: s-maj=29.2km s-min=15.1km az=-1.0.
MEX VIII 14 19 18 56.8–.85 15.49N 93.65W 74–9 4.1
NEIC VIII 14 19 18 57.0 15.51N 93.65W 73 4.1 ¶12099944
MEX Error ellipse: s-maj=5.1km s-min=4.9km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 15 04 35 07.5–.67 14.07N 93.17W 11–17 4.0
¶13827407
MEX Error ellipse: s-maj=14.0km s-min=5.5km az=-1.0.
MEX VIII 15 06 19 32.3–.76 14.04N 93.17W 16–22 4.0
¶13827408
MEX Error ellipse: s-maj=17.2km s-min=6.7km az=-1.0.
ISC VIII 23 11 19 50.3–.51 14.30N–.06 93.47W–.04 35 4.1b,3.6s 143 1-145
CASC VIII 23 11 17 42.1–.60 13.05N 102.75W 20–0 4.6,4.3b ¶13392386
IDC VIII 23 11 19 43.9–2.2 14.31N 93.30W 0 4.2,4.0
MEX VIII 23 11 19 45.9–.81 14.07N 93.73W 18–34 4.5,4.0
NEIC VIII 23 11 19 46.5 14.09N 93.72W 16 4.5,4.3b
ISCJB VIII 23 11 19 48.4–.48 14.29N–.05 93.53W–.03 33 4.1b,3.6s

BJI VIII 23 11 19 50.5 14.10N 93.70W 16 4.9s,4.9b
ISC Event type se.
CASC Error ellipse: s-maj=999.9km s-min=586.5km az=-1.0.
IDC Error ellipse: s-maj=70.9km s-min=28.0km az=35.0.
MEX Error ellipse: s-maj=10.1km s-min=6.7km az=-1.0.
NEIC Event type se. After MEX.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.7km az=9.3.
MEX VIII 24 06 03 24.3–.88 14.35N 93.07W 15–19 4.2
NEIC VIII 24 06 03 24.2 14.29N 93.06W 16 4.2,3.9b **¶12100198**
MEX Error ellipse: s-maj=14.8km s-min=6.3km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 25 13 38 50.5–.71 15.82N 93.92W 67–13 4.0
NEIC VIII 25 13 38 49.8 15.84N 93.89W 80 4.0 **¶12100232**
MEX Error ellipse: s-maj=5.2km s-min=5.4km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 26 01 48 07.4–.43 14.27N 93.95W 20–8 4.2
NEIC VIII 26 01 48 07.1 14.27N 93.97W 15 4.2 **¶12100246**
MEX Error ellipse: s-maj=6.3km s-min=2.5km az=-1.0.
NEIC Event type se. After MEX.
ISC VIII 27 12 08 30.3–1.1 14.46N–.04 92.81W–.03 31–7 4.5b,3.8s 350 1-145
IDC VIII 27 12 08 23.6–.98 14.41N 92.60W 0 4.5L,4.4 **¶11222355**
ISCJB VIII 27 12 08 28.8–.53 14.43N–.04 92.82W–.03 36–4 4.5b,3.8s
NEIC VIII 27 12 08 29.4 14.32N 92.92W 22 4.6b,4.5
MEX VIII 27 12 08 29.5–.60 14.32N 92.94W 20–10 4.5,4.5
CASC VIII 27 12 08 32.1–1.4 14.29N 92.69W 35–999 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=17.0km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.1km az=30.1.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=8.0km s-min=3.1km az=-1.0.
CASC Error ellipse: s-maj=19.6km s-min=10.1km az=-1.0.
MEX IX 04 13 12 35.4–1.4 14.39N 93.66W 18–72 3.8
NEIC IX 04 13 12 35.4 14.39N 93.66W 18 3.8 **¶12951891**
MEX Error ellipse: s-maj=13.2km s-min=12.7km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 04 13 22 32.1–.65 14.07N 93.67W 17–32 3.9
NEIC IX 04 13 22 32.1 14.07N 93.67W 17 3.9 **¶12951890**
MEX Error ellipse: s-maj=8.7km s-min=7.3km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 06 15 34 17.3–.82 15.55N 93.39W 97–7 3.6
¶13856188
MEX Error ellipse: s-maj=4.7km s-min=6.1km az=-1.0.
MEX IX 06 23 19 45.7–.99 14.93N 93.94W 7–27 3.8
¶13856189
MEX Error ellipse: s-maj=20.9km s-min=14.4km az=-1.0.
MEX IX 08 14 01 45.9–1.3 14.32N 93.40W 16–90 3.9
¶13856235
MEX Error ellipse: s-maj=66.4km s-min=49.0km az=-1.0.
MEX IX 10 02 34 51.1–1.9 14.41N 93.06W 16–83 3.9
¶13856309
MEX Error ellipse: s-maj=67.8km s-min=34.4km az=-1.0.
MEX IX 11 09 13 53.9–1.5 14.77N 93.84W 16–150 4.0
NEIC IX 11 09 13 53.9 14.77N 93.84W 16 4.0 **¶12951994**
MEX Error ellipse: s-maj=12.2km s-min=8.3km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 15 15 15 13.1–1.2 14.35N–.05 93.23W–.03 8–7 3.9b,3.2s 111 1-145
IDC IX 15 15 15 09.6–1.1 14.28N 93.26W 0 4.3L,4.2 **¶11910338**
CASC IX 15 15 15 12.6–1.6 14.46N 93.33W 20–999 4.0,3.9b
ISCJB IX 15 15 15 14.0–1.5 14.34N–.05 93.27W–.03 28–12 3.9b,3.2s
NEIC IX 15 15 15 14.6–.68 14.25N 93.21W 35 4.4,3.9b
MEX IX 15 15 15 15.0–1.1 14.33N 93.32W 11–24 4.4,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=16.4km az=41.0.
CASC Error ellipse: s-maj=60.8km s-min=895.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.0km az=12.7.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.6km az=206.0.
MEX Error ellipse: s-maj=17.5km s-min=8.5km az=-1.0.
ISC IX 15 15 54 05.5–1.8 14.29N–.05 93.33W–.03 20–13 3.9b,2.7s 44 1-134
ISCJB IX 15 15 54 03.9–1.4 14.26N–.05 93.37W–.03 21–12 3.9b,2.7s **¶11910341**
IDC IX 15 15 54 03.3–2.7 14.29N 93.24W 0 3.9,3.7b
MEX IX 15 15 54 05.0–.71 14.20N 93.37W 6–20 4.2,3.7b
NEIC IX 15 15 54 05.0 14.20N 93.37W 6 4.2b,4.2
CASC IX 15 15 54 07.0–1.8 14.16N 93.24W 70–100 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.6km az=16.8.
IDC Error ellipse: s-maj=61.3km s-min=25.5km az=13.0.
MEX Error ellipse: s-maj=14.8km s-min=7.4km az=-1.0.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=34.8km s-min=17.7km az=-1.0.
MEX IX 17 19 44 10.5–.69 15.91N 93.66W 101–6 3.8
NEIC IX 17 19 44 10.5 15.91N 93.66W 101 3.8 **¶12952069**
MEX Error ellipse: s-maj=3.7km s-min=3.1km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 18 20 55 43.9–.82 15.08N 93.67W 38–12 4.1
NEIC IX 18 20 55 43.9 15.08N 93.67W 38 4.1 **¶12952079**
MEX Error ellipse: s-maj=5.6km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX IX 19 07 37 52.0–.38 15.64N 93.78W 81–4 4.1
NEIC IX 19 07 37 52.0 15.64N 93.78W 81 4.1 **¶12952105**
MEX Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 20 04 52 28.7–.16 14.57N–.03 92.23W–.02 60 5.0b,4.7s 960 0-160
MOS IX 20 04 52 22.0–1.1 14.48N 91.99W 33 5.2b,4.7s **¶13394759**
BJI IX 20 04 52 24.0 14.40N 92.10W 48 5.6s,5.4
NEIC IX 20 04 52 26.0–.20 14.39N 92.10W 58 5.1b,5.0
ISCJB IX 20 04 52 26.2–.16 14.52N–.03 92.23W–.02 58 5.0b,4.7s
IDC IX 20 04 52 26.8–.47 14.64N 91.87W 57–3 4.6,4.5
MEX IX 20 04 52 27.1–.52 14.28N 92.62W 13–12 5.0,4.5
GCMT IX 20 04 52 27.0–.20 14.39N 92.64W 47–1 5.2W,4.5
BGS IX 20 04 52 29.3–2.3 16.54N 93.87W 67–0 4.9b,4.5
CASC IX 20 04 52 29.5–2.0 14.29N 92.26W 57–35 5.1b,4.6L
ISC Event type fe.
MOS Error ellipse: s-maj=8.2km s-min=4.4km az=102.3.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.2km az=32.0. Felt at Antigua Guatemala, Coatepeque, Panajachel and Quetzaltenango.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=1.6km az=31.8.
IDC Error ellipse: s-maj=17.5km s-min=9.5km az=60.0.
MEX Error ellipse: s-maj=10.2km s-min=3.5km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s70,c112; s65,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.33±.16 $M_{\theta\theta}$2.27±.13; $M_{\phi\phi}$3.05±.15; $M_{r\theta}$1.54±.12; $M_{\theta\phi}$-3.44±.11; $M_{\phi r}$-3.31±.14; Best double couple: NP1:ϕ_s127.00000°,δ30.00000° ,λ-108.00000°. NP2:ϕ_s328.00000°,δ61.00000°,λ-80.00000°. Principal axes: T 7.1200,Plg16.0000°,Azm50.0000°; N -0.6300,Plg9.0000°,Azm143.0000° ; P -6.4900,Plg72.0000°,Azm262.0000° $M_0$6.80000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CASC Error ellipse: s-maj=14.4km s-min=10.0km az=-1.0.
MEX IX 21 00 07 46.4–1.2 14.22N 92.67W 17–112 3.9
¶13856526
MEX Error ellipse: s-maj=95.7km s-min=14.2km az=-1.0.
MEX IX 21 19 35 30.6–.45 14.03N 92.70W 55–17 4.0
¶13856527
MEX Error ellipse: s-maj=10.4km s-min=9.5km az=-1.0.
MEX IX 21 23 15 28.0–.71 15.57N 93.33W 90–7 3.9
¶13856528
MEX Error ellipse: s-maj=8.4km s-min=6.1km az=-1.0.
MEX IX 22 12 04 33.0–.63 14.36N 92.81W 27–10 4.0
NEIC IX 22 12 04 33.0 14.36N 92.81W 27 4.0 **¶12952140**
MEX Error ellipse: s-maj=6.4km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
ISC IX 23 03 48 19.7–.34 15.64N–.04 93.35W–.03 83–3 4.3b 316 0-146
ISCJB IX 23 03 48 19.8–.36 15.72N–.04 93.17W–.04 103–3 4.3b **¶11297345**
MEX IX 23 03 48 19.0–.92 15.54N 93.50W 89–7 4.4
IDC IX 23 03 48 19.1–.73 15.63N 93.24W 99–6 4.1,3.9
NEIC IX 23 03 48 19.0 15.54N 93.50W 89 4.4b,4.4
CASC IX 23 03 48 21.5–1.1 15.67N 93.19W 90–57 4.4b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.4km az=40.3.
MEX Error ellipse: s-maj=4.4km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=14.7km s-min=7.8km az=37.0.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=32.9km s-min=16.3km az=-1.0.
ISC IX 27 16 56 17.2–.48 15.50N–.05 93.15W–.05 84–3 4.2b 259 0-144
BJI IX 27 16 56 06.9 15.40N 93.30W 88 5.3b **¶11911217**
IDC IX 27 16 56 07.3–3.3 14.70N 93.08W 48–28 4.3,4.3L
MEX IX 27 16 56 15.9–.54 15.39N 93.34W 89–10 4.3,4.3L
NEIC IX 27 16 56 15.9 15.39N 93.34W 89 4.2b,4.3L
ISCJB IX 27 16 56 16.4–.46 15.54N–.05 93.06W–.05 94–3 4.2b,4.3L
ISC Event type se.
NEIC Event type se. After MEX.
ISCJB Event type se.
MEX IX 28 16 11 07.6–1.9 14.32N 93.31W 12–48 4.2
NEIC IX 28 16 11 07.7 14.32N 93.30W 12 4.2 **¶12952235**
MEX Error ellipse: s-maj=36.0km s-min=21.4km az=-1.0.
NEIC Event type se. After MEX.
ISC X 02 15 06 09.2–.36 15.53N–.04 93.95W–.02 53–4 4.2b,2.8s 156 1-144
ISCJB X 02 15 06 07.7–.39 15.49N–.04 94.00W–.02 58–4 4.2b,2.8s **¶11911722**
NEIC X 02 15 06 07.9–.86 15.44N 93.95W 65–7 4.6,4.1b
MEX X 02 15 06 09.5–.67 15.45N 93.98W 53–13 4.6,4.1b
IDC X 02 15 06 09.7–1.2 15.69N 93.76W 69–7 4.0,3.8
CASC X 02 15 06 10.6–1.4 15.69N 93.79W 35–727 4.3,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=2.8km az=19.8.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.7km az=194.0.
MEX Error ellipse: s-maj=4.2km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=29.2km s-min=7.6km az=35.0.
CASC Error ellipse: s-maj=161.1km s-min=436.2km az=-1.0.
ISC X 03 09 11 44.5–.43 14.60N–.04 92.79W–.03 35 61 1-7
ISCJB X 03 09 11 42.4–.44 14.54N–.04 92.84W–.03 33 **¶13395865**
NEIC X 03 09 11 45.8 14.59N 92.85W 29 4.2
MEX X 03 09 11 46.1–.80 14.60N 92.84W 23–31 4.2
CASC X 03 09 11 46.0–1.2 14.50N 92.54W 15–10 3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=2.4km az=25.9.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=6.5km s-min=5.7km az=-1.0.
CASC Error ellipse: s-maj=10.0km s-min=6.8km az=-1.0.
ISC X 04 18 50 34.3–.68 14.52N–.05 93.16W–.04 56–5 4.6b,3.9s 347 1-159
IDC X 04 18 50 25.7–.75 14.44N 93.23W 0 4.5,4.4 **¶11328060**
MEX X 04 18 50 28.1–.85 14.14N 93.63W 20–34 4.5,4.4
BJI X 04 18 50 32.3 14.60N 93.10W 35 5.4b,4.9s
ISCJB X 04 18 50 33.3–.68 14.52N–.05 93.16W–.04 64–5 4.6b,4.9s
NEIC X 04 18 50 34.1–.87 14.55N 93.11W 58–7 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=13.1km az=48.0.
MEX Error ellipse: s-maj=9.6km s-min=6.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.0km az=37.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.1km az=47.0.
MEX X 05 04 10 50.0–.71 15.20N 93.67W 50–15 4.1
NEIC X 05 04 10 49.9 15.21N 93.67W 52 4.1 **¶13396028**
MEX Error ellipse: s-maj=6.4km s-min=4.3km az=-1.0.
NEIC Event type se. After MEX.
ISC X 09 03 23 04.5–1.3 14.32N–.06 93.05W–.04 4–10 3.8b 37 1-62
IDC X 09 03 23 03.0–4.9 14.25N 92.72W 0 4.3,4.0L **¶12066396**
ISCJB X 09 03 23 04.3–1.4 14.26N–.07 93.08W–.05 17–13 3.8b,4.0L
NEIC X 09 03 23 05.0 14.12N 93.06W 10 4.5,4.0L
MEX X 09 03 23 06.7–1.1 14.15N 93.03W 17–49 4.5,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=79.5km s-min=37.6km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=7.3km az=161.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=9.5km s-min=8.4km az=-1.0.
MEX X 09 18 17 40.7–1.1 15.56N 93.61W 76–13 3.9
¶13909683
MEX Error ellipse: s-maj=10.2km s-min=7.4km az=-1.0.
ISC X 11 19 22 54.4–1.2 14.19N–.08 93.77W–.04 10 3.7s,3.5b 50 2-145
NEIC X 11 19 22 56.1 14.05N 93.78W 18 4.1,3.8b **¶12066603**
IDC X 11 19 22 56.1–3.4 14.24N 93.32W 0 4.0,3.7
MEX X 11 19 22 56.1–1.2 14.05N 93.78W 18–42 4.1,3.7
ISC Event type se.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=62.3km s-min=47.2km az=9.0.
MEX Error ellipse: s-maj=10.8km s-min=8.7km az=-1.0.
MEX X 13 00 08 47.6–.58 14.33N 92.67W 22–14 4.2
NEIC X 13 00 08 47.6 14.33N 92.67W 23 4.2 **¶13396869**
CASC X 13 00 08 49.4–1.5 14.51N 92.42W 56–30 3.7,3.7L
MEX Error ellipse: s-maj=5.5km s-min=4.2km az=-1.0.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=14.8km s-min=8.6km az=-1.0.
MEX X 13 19 30 10.3–.69 15.32N 93.42W 87–6 3.9
NEIC X 13 19 30 10.3 15.32N 93.42W 87 3.9 **¶13396950**
MEX Error ellipse: s-maj=3.9km s-min=3.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 14 18 12 27.9–.99 14.52N 93.20W 16–18 4.1
NEIC X 14 18 12 27.9 14.52N 93.21W 16 4.0 **¶13397070**
MEX Error ellipse: s-maj=14.2km s-min=7.4km az=-1.0.
NEIC Event type se. After MEX.
ISC X 16 19 41 33.1–.24 14.54N–.02 92.33W–.02 83–2 5.8b 1564 0-171
IDC X 16 19 41 22.2–.36 14.56N 92.31W 0 6.5s,6.5 **¶13397283**
BGS X 16 19 41 22.6–1.6 13.59N 91.77W 25–0 6.5s,5.5b
BJI X 16 19 41 23.1 14.40N 92.40W 24 6.8s,6.7b
NEIC X 16 19 41 25.7–.15 14.42N 92.36W 24 6.7W,6.6W
CASC X 16 19 41 25.9–2.3 14.38N 92.84W 24–22 6.1b,5.6
MEX X 16 19 41 25.0–.70 14.05N 92.86W 23–16 6.6,5.6
MOS X 16 19 41 26.0–.89 14.50N 92.40W 33 6.6s,6.1b
GCMT X 16 19 41 31.3–.10 14.28N 92.90W 30–0 6.7W,6.1b
ISCJB X 16 19 41 31.2–.26 14.51N–.02 92.38W–.02 82–2 5.8b,6.1b
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Antigua Guatemala, Guatemala, Mixco and Quetzaltenango; [III] at Panajachel, Guatemala. Also felt at Ayutla, Chichicastenango, Coatepeque, Cuidad Vieja, Huehuetenango, Mazatenango, Retalhuleu, Salcaja, San Marcos la Laguna, San Pedro la Laguna, Santa Catarina Pinula and Villa Nueva. Felt [III] at San Salvador, El Salvador. Also felt at Antiguo Cuscatlan and Ilopango. Felt [II] at Mexico and San Cristobal de las Casas, Mexico. Also felt at Tapachula and Tuxtla Gutierrez. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s130.00000°,δ70.00000° ,λ90.00000°. NP2:ϕ_s310.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000° ,Azm40.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm220.0000° Moment Tensor Solution. s164 Moment tensor: Scale 10^{18}Nm; M_{rr}5.34 $M_{\theta\theta}$-3.67 $M_{\phi\phi}$-1.67 $M_{r\theta}$1.90 $M_{\theta\phi}$1.91 $M_{\phi r}$-1.59 Best double couple: NP1:ϕ_s298.00000°,δ32.00000°,λ84.00000°. NP2:ϕ_s125.00000° ,δ58.00000°,λ93.00000°. Principal axes: T 5.9200,Plg76.0000°,Azm45.0000° ; N -0.5300,Plg2.0000°,Azm302.0000°; P -5.3900,Plg12.0000°,Azm212.0000° $M_0$5.70000×10^{18} Moment Tensor Solution. $M_0$1.70000×10^{19}
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 106 sta. Surface waves: sta=115, comp=273, per= 50. Moment Tensor Solution. s121,c316; s99,c219; Moment tensor: Scale 10^{19}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s289.00000°,δ26.00000°,λ74.00000°. NP2:ϕ_s127.00000° ,δ65.00000°,λ98.00000°. Principal axes: T 1.1600,Plg69.0000°,Azm53.0000° ; N 0.0500,Plg7.0000°,Azm304.0000°; P -1.2100,Plg20.0000°,Azm212.0000° $M_0$1.20000×10^{19}
ISCJB Event type fe.
ISC X 16 19 43 40.3–.80 14.27N–.06 92.85W–.04 39–5 5.6b 121 1-159
IDC X 16 19 43 34.3–.63 14.38N 92.28W 0 6.4s,6.4 **¶12068827**

NEIC X 16 19 43 37.4–3.8 14.26N 92.55W 23–24 5.8b,6.4
ISCJB X 16 19 43 39.1–.82 14.26N–.06 92.87W–.04 47–5 5.6b,6.4
MEX X 16 19 43 40.1–.98 14.21N 92.89W 20–58 4.8,6.4
CASC X 16 19 43 43.3–4.8 14.53N 92.46W 0–57 5.8b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=18.1km az=53.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.1km az=192.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=5.1km az=24.2.
MEX Error ellipse: s-maj=9.6km s-min=8.2km az=-1.0.
CASC Error ellipse: s-maj=64.9km s-min=136.6km az=-1.0.
MEX X 16 20 39 49.4–.58 14.07N 92.92W 19–22 4.2
NEIC X 16 20 39 49.4 14.07N 92.92W 19 4.2 **¶13397287**
MEX Error ellipse: s-maj=6.0km s-min=5.4km az=-1.0.
NEIC Event type se. After MEX.
ISC X 17 02 12 01.3–1.1 14.19N–.04 92.93W–.03 11–7 4.0b 84 1-146
IDC X 17 02 11 59.8–1.9 14.27N 92.59W 0 4.2,3.9b **¶12068853**
ISCJB X 17 02 12 00.4–1.1 14.13N–.04 92.99W–.03 21–9 4.0b,3.9b
CASC X 17 02 12 02.6–3.8 14.02N 92.92W 27–70 4.2b,4.1
NEIC X 17 02 12 02.2 14.01N 92.92W 20 4.4,4.2b
MEX X 17 02 12 02.2–.83 14.01N 92.92W 20–26 4.4,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=24.7km az=29.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=3.9km az=24.6.
CASC Error ellipse: s-maj=39.0km s-min=69.9km az=-1.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=9.1km s-min=7.8km az=-1.0.
ISC X 17 02 53 55.9–.98 14.42N–.04 92.73W–.03 24–7 4.2b,3.9s 295 1-145
CASC X 17 02 53 52.8–3.1 14.45N 92.90W 22–176 4.3b,4.2L **¶11359115**
ISCJB X 17 02 53 55.1–.29 14.39N–.04 92.76W–.02 33 4.2b,3.9s
MEX X 17 02 53 56.9–.77 14.35N 92.80W 16–42 4.4,3.9s
NEIC X 17 02 53 56.9 14.37N 92.80W 14 4.4,4.3b
BJI X 17 02 53 59.8 15.20N 92.90W 10 4.8s,4.8b
IDC X 17 02 53 59.6–2.9 14.67N 92.61W 54–20 4.2,4.1L
ISC Event type se.
CASC Error ellipse: s-maj=31.8km s-min=111.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.6km az=22.0.
MEX Error ellipse: s-maj=9.1km s-min=6.6km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=28.7km s-min=15.0km az=19.0.
ISC X 17 17 56 09.1–1.2 14.26N–.05 92.77W–.03 25–9 3.9b 64 1-145
ISCJB X 17 17 56 08.4–.74 14.23N–.05 92.82W–.03 36–8 3.9b **¶12068905**
MEX X 17 17 56 09.7–.94 14.17N 92.80W 16–23 4.4
NEIC X 17 17 56 09.5 14.15N 92.83W 16 4.4,3.8b
IDC X 17 17 56 12.4–6.1 14.52N 92.61W 43–38 4.2L,4.0
CASC X 17 17 56 13.1–2.4 14.35N 92.54W 34–786 3.9,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.5km az=16.9.
MEX Error ellipse: s-maj=19.8km s-min=6.2km az=-1.0.
NEIC Event type se. After MEX.
IDC Error ellipse: s-maj=54.2km s-min=19.6km az=3.0.
CASC Error ellipse: s-maj=61.3km s-min=501.0km az=-1.0.
ISC X 18 05 49 22.8–.83 14.20N–.06 93.14W–.04 10 4.0b,3.3s 61 1-145
IDC X 18 05 49 17.8–2.7 13.92N 92.75W 0 4.0,3.7 **¶12068955**
MEX X 18 05 49 21.8–.96 13.92N 93.13W 15–23 4.2,3.7
NEIC X 18 05 49 22.5 14.02N 93.15W 13 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=56.1km s-min=40.5km az=32.0.
MEX Error ellipse: s-maj=19.4km s-min=6.7km az=-1.0.
NEIC Event type se. After MEX.
MEX X 18 16 11 07.9–.57 14.04N 93.14W 12–15 4.0
¶13909954
MEX Error ellipse: s-maj=12.8km s-min=4.7km az=-1.0.
ISC X 20 02 46 00.5–.31 15.66N–.03 93.72W–.02 71–3 4.1b 120 0-85
ISCJB X 20 02 45 59.1–.32 15.62N–.04 93.74W–.02 79–3 4.1b **¶12069098**
IDC X 20 02 46 00.7–.72 15.69N 93.49W 86–6 4.1,3.9
MEX X 20 02 46 01.2–.75 15.62N 93.75W 73–8 4.2,3.9
NEIC X 20 02 46 01.1 15.62N 93.75W 73 4.3b,4.2
CASC X 20 02 46 01.9–1.8 15.60N 93.49W 129–45 4.4,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.2km az=25.2.
IDC Error ellipse: s-maj=18.7km s-min=10.6km az=57.0.
MEX Error ellipse: s-maj=4.3km s-min=3.6km az=-1.0.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=42.7km s-min=32.4km az=-1.0.
ISC X 21 00 28 32.2–1.3 14.67N–.08 92.47W–.10 61–18 3.6b 28 1-145
CASC X 21 00 28 27.5–1.9 14.50N 92.59W 82–31 3.9,3.3b **¶12070705**
ISCJB X 21 00 28 31.3–1.2 14.70N–.08 92.41W–.09 66–13 3.5b,3.3b
IDC X 21 00 28 35.8–4.8 14.73N 92.28W 105–48 3.8,3.7b
NEIC X 21 00 28 36.4–1.4 14.76N 92.23W 113–14 3.3b,3.7b
ISC Event type se.
CASC Error ellipse: s-maj=28.8km s-min=15.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=9.1km az=140.1.
IDC Error ellipse: s-maj=53.5km s-min=27.6km az=82.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=7.4km az=51.0.
MEX X 21 00 28 58.9–.66 15.81N 93.07W 110–10 4.2
¶15243671
MEX Error ellipse: s-maj=7.4km s-min=12.1km az=-1.0.
MEX X 21 09 31 15.4–.52 14.76N 93.69W 20–13 4.1
NEIC X 21 09 31 15.0 14.71N 93.71W 18 4.1 **¶13397690**
MEX Error ellipse: s-maj=4.2km s-min=4.1km az=-1.0.
NEIC Event type se. After MEX.
ISC X 23 10 43 34.4–2.1 14.07N–.07 93.08W–.04 4–16 3.8b 52 1-146
IDC X 23 10 43 32.9–2.5 14.03N 92.67W 0 4.0,3.8b **¶12070876**
MEX X 23 10 43 35.6–.65 13.84N 93.05W 16–18 4.2,3.8b
NEIC X 23 10 43 36.1 13.86N 93.04W 16 4.2,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=38.0km az=2.0.
MEX Error ellipse: s-maj=15.7km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
MEX X 23 11 15 11.4–1.3 14.49N 93.51W 21–78 4.3
NEIC X 23 11 15 11.6 14.48N 93.51W 16 4.3 **¶13397888**
MEX Error ellipse: s-maj=11.1km s-min=12.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 28 03 05 33.0–.36 14.26N 92.87W 10–9 4.1
NEIC X 28 03 05 33.4 14.24N 92.87W 27 4.1 **¶13398320**
MEX Error ellipse: s-maj=7.5km s-min=2.3km az=-1.0.
NEIC Event type se. After MEX.
ISC X 29 18 12 04.2–.46 14.68N–.03 93.30W–.03 42–4 5.0b,4.5s 624 1-147
IDC X 29 18 11 55.5–.55 14.60N 93.15W 0 4.8,4.7 **¶13398572**
MEX X 29 18 12 00.5–.84 14.46N 93.47W 19–59 4.8,4.7
CASC X 29 18 12 01.5–2.9 14.84N 93.15W 0–22 5.0b,4.6L
ISCJB X 29 18 12 03.1–.52 14.64N–.03 93.27W–.03 55–5 5.0b,4.5s
NEIC X 29 18 12 04.9–.91 14.61N 93.17W 67–7 5.0b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=11.8km az=64.0.
MEX Error ellipse: s-maj=8.9km s-min=8.9km az=-1.0.
CASC Error ellipse: s-maj=24.4km s-min=50.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.0km az=135.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=4.3km az=49.0.
MEX X 29 19 02 07.2–.87 15.21N 93.71W 62–19 4.1
¶13910249
MEX Error ellipse: s-maj=10.3km s-min=11.5km az=-1.0.
ISC X 29 20 40 15.2–.81 14.78N–.06 93.47W–.03 35 3.9b 51 1-145
IDC X 29 20 40 08.8–2.1 14.50N 93.29W 0 4.1,3.9 **¶12071538**
ISCJB X 29 20 40 13.8–.80 14.76N–.06 93.53W–.03 33 3.9b,3.9
MEX X 29 20 40 16.5–1.2 14.76N 93.51W 24–64 4.1,3.9
NEIC X 29 20 40 16.5 14.76N 93.51W 24 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=56.3km s-min=28.3km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.2km az=179.0.
MEX Error ellipse: s-maj=9.5km s-min=12.6km az=-1.0.

NEIC Event type se. After MEX.
ISC X 29 21 09 59.6–.73 14.65N–.05 93.33W–.03 35 4.0b 63 1-145
IDC X 29 21 09 53.2–1.8 14.52N 93.35W 0 4.3,4.1 **¶12071547**
ISCJB X 29 21 09 58.3–.75 14.66N–.05 93.40W–.03 33 4.0b,4.1
MEX X 29 21 10 01.0–1.0 14.64N 93.39W 24–26 4.3,4.1
NEIC X 29 21 10 01.0 14.64N 93.39W 24 4.3,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=27.5km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.0km az=179.9.
MEX Error ellipse: s-maj=7.9km s-min=7.5km az=-1.0.
NEIC Event type se. After MEX.
MEX X 30 02 07 18.8–1.3 14.60N 93.41W 21–80 4.0
NEIC X 30 02 07 18.4 14.58N 93.42W 22 4.0 **¶11395440**
MEX Error ellipse: s-maj=12.7km s-min=13.3km az=-1.0.
NEIC Event type se. After MEX.
MEX X 31 02 26 01.9–.77 14.66N 93.15W 16–12 3.9
NEIC X 31 02 26 02.0 14.66N 93.15W 16 3.9 **¶13398696**
MEX Error ellipse: s-maj=8.7km s-min=5.2km az=-1.0.
NEIC Event type se. After MEX.
MEX X 31 10 26 26.5–.88 14.41N 92.86W 16–18 3.9
NEIC X 31 10 26 26.5 14.41N 92.86W 16 3.9 **¶13398728**
MEX Error ellipse: s-maj=14.6km s-min=4.9km az=-1.0.
NEIC Event type se. After MEX.
ISC X 31 16 37 43.0–1.0 14.79N–.04 93.10W–.03 22–8 3.8b 68 1-145
IDC X 31 16 37 32.7–3.1 14.26N 92.76W 0 4.2,4.1L **¶12071748**
MEX X 31 16 37 44.2–1.0 14.70N 93.15W 16–15 4.0,4.1L
NEIC X 31 16 37 44.4 14.70N 93.15W 16 4.0,3.5b
CASC X 31 16 37 45.2–1.9 14.95N 92.86W 19–19 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=62.5km s-min=45.4km az=10.0.
MEX Error ellipse: s-maj=10.8km s-min=7.3km az=-1.0.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=49.2km s-min=16.3km az=-1.0.
MEX XI 02 09 44 09.3–.88 14.82N 93.19W 31–12 4.2
¶14011175
MEX Error ellipse: s-maj=5.8km s-min=4.6km az=-1.0.
MEX XI 03 17 53 32.9–1.2 14.18N 93.42W 20–86 3.7
¶14011213
MEX Error ellipse: s-maj=13.2km s-min=10.6km az=-1.0.
ISC XI 03 18 09 11.7–2.2 14.26N–.09 93.33W–.04 26–23 3.7b 27 1-145
IDC XI 03 18 09 09.1–3.0 14.32N 93.13W 0 4.2,4.0L **¶12072148**
ISCJB XI 03 18 09 10.7–2.1 14.25N–.08 93.39W–.04 28–22 3.7b,4.0L
MEX XI 03 18 09 12.2–1.1 14.19N 93.38W 12–20 4.2,4.0L
IDC Error ellipse: s-maj=55.0km s-min=38.3km az=163.0.
ISCJB Error ellipse: s-maj=13.8km s-min=5.9km az=169.8.
MEX Error ellipse: s-maj=19.8km s-min=7.8km az=-1.0.
ISC XI 08 16 48 10.1–.45 14.02N–.05 92.01W–.03 65–6 4.0b 81 0-146
ISCJB XI 08 16 48 08.7–.48 14.01N–.05 92.02W–.03 77–6 4.0b **¶12072838**
NEIC XI 08 16 48 11.3–1.8 14.25N 91.71W 72–14 4.1b
IDC XI 08 16 48 12.4–1.3 14.33N 91.77W 58–6 4.0,3.7s
MEX XI 08 16 48 12.3–.44 13.99N 92.18W 25–11 4.3,3.7s
CASC XI 08 16 48 12.8–1.7 14.21N 91.76W 61–17 4.1L,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=3.0km az=29.5.
NEIC Event type fe. Error ellipse: s-maj=26.5km s-min=12.2km az=210.0. Felt at Quetzaltenango.
IDC Error ellipse: s-maj=24.2km s-min=17.4km az=25.0.
MEX Error ellipse: s-maj=5.8km s-min=6.7km az=-1.0.
CASC Error ellipse: s-maj=15.1km s-min=8.5km az=-1.0.
MEX XI 10 02 08 26.9–.93 14.35N 93.25W 24–37 4.0
¶14011454
MEX Error ellipse: s-maj=9.0km s-min=7.4km az=-1.0.
MEX XI 13 14 10 09.2–1.0 14.39N 92.84W 10–59 4.1
¶14011563
MEX Error ellipse: s-maj=49.5km s-min=13.1km az=-1.0.
MEX XI 15 21 31 47.5–.89 15.84N 93.66W 107–10 3.8
¶14011638
MEX Error ellipse: s-maj=7.3km s-min=5.1km az=-1.0.
MEX XI 16 14 20 43.5–.67 15.20N 93.52W 75–13 4.0
¶14011673
MEX Error ellipse: s-maj=4.0km s-min=4.3km az=-1.0.
ISC XI 18 13 10 43.9–1.5 14.19N–.07 92.62W–.07 14–9 3.7b 22 1-62
IDC XI 18 13 10 36.6–9.6 14.08N 91.46W 0 3.8,3.7 **¶12074011**
MEX XI 18 13 10 44.3–1.2 14.07N 92.58W 11–31 4.2,3.7
IDC Error ellipse: s-maj=215.7km s-min=101.8km az=15.0.
MEX Error ellipse: s-maj=25.8km s-min=11.7km az=-1.0.
ISC XI 19 10 23 23.7–.55 14.49N–.04 92.74W–.03 46–4 4.6b,4.1s 479 1-145
IDC XI 19 10 23 20.0–.96 14.50N 92.51W 28–6 4.4L,4.4 **¶11458368**
MEX XI 19 10 23 20.2–1.5 14.21N 93.05W 20–67 4.6,4.4
NEIC XI 19 10 23 20.0 14.21N 93.05W 20 4.7b,4.6
ISCJB XI 19 10 23 23.5–.55 14.50N–.04 92.67W–.04 66–4 4.5b,4.6
CASC XI 19 10 23 24.4–1.8 14.15N 92.67W 48–125 4.7b,4.2
BJI XI 19 10 23 25.8 14.60N 92.60W 57 5.1b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=13.8km az=60.0.
MEX Error ellipse: s-maj=15.0km s-min=13.2km az=-1.0.
NEIC Event type se. After MEX.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.9km az=38.3.
CASC Error ellipse: s-maj=30.6km s-min=16.5km az=-1.0.
ISC XI 19 23 27 54.3–1.2 14.30N–.04 92.96W–.02 14–8 4.5b,4.0s 131 1-145
IDC XI 19 23 27 50.6–.83 14.37N 92.50W 0 4.6L,4.6 **¶12074208**
CASC XI 19 23 27 52.7–3.3 14.39N 92.88W 144–34 4.2,4.6
ISCJB XI 19 23 27 53.3–1.1 14.23N–.04 93.00W–.03 23–7 4.5b,4.0s
MEX XI 19 23 27 54.6–1.4 14.10N 93.03W 16–38 4.5,4.0s
NEIC XI 19 23 27 54.0 14.10N 93.03W 16 4.5b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=17.0km az=53.0.
CASC Error ellipse: s-maj=53.1km s-min=27.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.9km az=23.7.
MEX Error ellipse: s-maj=12.9km s-min=10.4km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 24 05 48 58.9–.43 15.56N 93.61W 85–4 4.0
¶14011867
MEX Error ellipse: s-maj=2.6km s-min=2.3km az=-1.0.
ISC XI 27 00 18 42.3–.50 14.64N–.04 93.45W–.02 10 3.8b,3.3s 56 1-134
IDC XI 27 00 18 39.3–2.9 14.36N 93.27W 0 4.2,4.0L **¶12074976**
ISCJB XI 27 00 18 40.9–.52 14.61N–.04 93.49W–.02 10 3.8b,3.3s
MEX XI 27 00 18 45.5–.75 14.57N 93.48W 23–45 4.3,3.3s
NEIC XI 27 00 18 45.0 14.56N 93.49W 24 4.3,3.7b
CASC XI 27 00 18 47.8–1.7 14.46N 93.12W 16–672 4.0,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=50.9km s-min=45.9km az=11.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.0km az=16.0.
MEX Error ellipse: s-maj=7.2km s-min=8.5km az=-1.0.
NEIC Event type se. After MEX.
CASC Error ellipse: s-maj=33.5km s-min=434.0km az=-1.0.
ISC XI 28 01 17 02.1–.00 14.18N–.08 92.13W–.05 42–21 29 0-4
ISCJB XI 28 01 17 01.3–1.0 14.18N–.07 92.12W–.05 51–12 **¶14011982**
CASC XI 28 01 17 02.7–1.5 14.30N 92.02W 54–10 3.6
MEX XI 28 01 17 06.1–1.1 14.28N 92.46W 16–147 4.0
ISCJB Error ellipse: s-maj=14.4km s-min=4.7km az=32.1.
CASC Error ellipse: s-maj=12.4km s-min=6.8km az=-1.0.
MEX Error ellipse: s-maj=130.1km s-min=17.5km az=-1.0.
MEX XI 29 05 21 30.8–1.2 14.96N 93.96W 18–28 3.8
¶14012011
MEX Error ellipse: s-maj=17.7km s-min=14.5km az=-1.0.
MEX XI 29 09 23 32.3–.48 15.17N 93.07W 76–5 3.9
¶14012013
MEX Error ellipse: s-maj=3.0km s-min=3.1km az=-1.0.
ISC XII 02 23 06 35.9–.45 14.59N–.06 92.35W–.04 92–5 4.0b 79 0-145
ISCJB XII 02 23 06 34.6–.47 14.57N–.06 92.36W–.04 101–5 4.0b **¶12075559**
CASC XII 02 23 06 35.7–1.5 14.45N 92.25W 114–17 4.3L,3.9

NEIC XII 02 23 06 36.0–.65 14.61N 92.26W 91–5 4.4,3.8b
IDC XII 02 23 06 36.3–2.2 14.77N 92.16W 88–16 4.1,3.9
MEX XII 02 23 06 39.6–1.2 14.65N 92.57W 75–14 4.4,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=3.8km az=30.4.
CASC Error ellipse: s-maj=19.5km s-min=9.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.3km az=202.0.
IDC Error ellipse: s-maj=23.3km s-min=14.4km az=18.0.
MEX Error ellipse: s-maj=10.9km s-min=8.8km az=-1.0.
MEX XII 04 12 10 49.1–.72 15.09N 93.63W 33–9 4.0
NEIC XII 04 12 10 49.4 15.11N 93.64W 35 4.0 **¶13836911**
MEX Error ellipse: s-maj=5.2km s-min=3.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 04 22 44 20.2–.79 14.40N 93.96W 20–37 4.2
NEIC XII 04 22 44 20.6 14.42N 93.95W 20 4.2 **¶13836917**
MEX Error ellipse: s-maj=7.3km s-min=4.5km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 16 03 48 01.2–.55 14.46N 92.37W 76–8 3.9
NEIC XII 16 03 48 01.2 14.47N 92.37W 76 3.9 **¶13837101**
MEX Error ellipse: s-maj=10.2km s-min=9.6km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 17 04 27 20.7–.47 14.26N 92.77W 26–10 4.0
NEIC XII 17 04 27 20.4 14.19N 93.04W 23 4.0 **¶13837123**
MEX Error ellipse: s-maj=5.7km s-min=4.2km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 18 19 47 41.1–.50 14.20N 93.47W 20–27 4.3
NEIC XII 18 19 47 41.0 14.20N 93.47W 18 4.2 **¶13837143**
MEX Error ellipse: s-maj=6.1km s-min=4.8km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 20 06 00 57.9–.58 14.73N–.05 93.83W–.04 10 4.0b,3.2s 65 1-92
ISCJB XII 20 06 00 56.3–.57 14.69N–.05 93.87W–.03 10 4.0b,3.2s **¶12078289**
IDC XII 20 06 00 57.6–1.7 15.06N 93.32W 0 4.1,4.0
MEX XII 20 06 01 00.8–.78 14.70N 93.94W 16–14 4.3,4.0
NEIC XII 20 06 01 00.6 14.72N 93.93W 8 4.3,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.8km az=4.2.
IDC Error ellipse: s-maj=66.4km s-min=16.3km az=46.0.
MEX Error ellipse: s-maj=8.7km s-min=5.7km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 21 14 22 44.0–.46 14.60N–.04 93.22W–.03 10 3.9b,3.3s 75 1-145
ISCJB XII 21 14 22 42.0–.47 14.53N–.04 93.29W–.03 10 3.9b,3.3s **¶12078468**
IDC XII 21 14 22 45.2–4.4 14.53N 92.78W 37–30 4.0,3.7
MEX XII 21 14 22 46.8–.91 14.51N 93.26W 20–41 4.3,3.7
NEIC XII 21 14 22 47.0 14.51N 93.26W 23 4.4b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.1km az=21.0.
IDC Error ellipse: s-maj=60.1km s-min=25.1km az=31.0.
MEX Error ellipse: s-maj=7.9km s-min=7.7km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 22 11 09 30.0–.65 15.42N 93.23W 98–6 3.9
NEIC XII 22 11 09 30.2 15.43N 93.25W 96 3.8 **¶13837211**
MEX Error ellipse: s-maj=4.2km s-min=4.4km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 22 20 29 21.8–1.1 14.29N–.05 92.90W–.03 20–8 4.0b 71 1-145
IDC XII 22 20 29 16.7–1.0 13.98N 92.70W 0 4.3,4.2L **¶12078595**
ISCJB XII 22 20 29 20.7–1.1 14.27N–.05 92.95W–.03 27–8 4.0b,4.2L
CASC XII 22 20 29 20.1–1.5 14.50N 92.94W 89–26 4.2,4.2b
MEX XII 22 20 29 24.2–1.1 14.26N 92.94W 23–30 4.4,4.2b
NEIC XII 22 20 29 24.5 14.27N 92.95W 22 4.4,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=19.2km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=3.6km az=15.7.
CASC Error ellipse: s-maj=33.0km s-min=11.5km az=-1.0.
MEX Error ellipse: s-maj=9.9km s-min=8.0km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 23 21 55 19.8–.46 14.83N–.04 93.71W–.03 39–6 4.3s,4.1b 105 1-145
CASC XII 23 21 55 09.1–1.7 14.70N 94.41W 20–217 4.2,4.0L **¶12078734**
IDC XII 23 21 55 14.6–.99 15.05N 93.11W 0 4.3,4.2s
ISCJB XII 23 21 55 17.8–.48 14.81N–.03 93.76W–.03 42–7 4.3s,4.1b
MEX XII 23 21 55 19.6–.90 14.77N 93.76W 16–13 4.4,4.1b
NEIC XII 23 21 55 19.4 14.74N 93.78W 16 4.5,4.1b
ISC Event type se.
CASC Error ellipse: s-maj=44.7km s-min=150.5km az=-1.0.
IDC Error ellipse: s-maj=50.6km s-min=14.0km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=24.4.
MEX Error ellipse: s-maj=7.1km s-min=5.8km az=-1.0.
NEIC Event type se. After MEX.
ISC XII 29 10 17 05.8–.69 14.40N–.05 93.31W–.03 35 3.6b 45 1-145
ISCJB XII 29 10 17 03.7–.63 14.35N–.05 93.39W–.03 33 3.6b **¶12079390**
MEX XII 29 10 17 03.7–1.1 14.21N 93.35W 16–20 4.4
IDC XII 29 10 17 09.0–2.9 14.65N 93.15W 48–21 3.9,3.9L
NEIC XII 29 10 17 09.6–1.7 14.73N 93.06W 52–16 3.9,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.1km az=9.6.
MEX Error ellipse: s-maj=15.2km s-min=7.0km az=-1.0.
IDC Error ellipse: s-maj=33.8km s-min=16.6km az=26.0.
NEIC Event type se. Error ellipse: s-maj=31.6km s-min=10.6km az=220.0.
ISC XII 30 23 12 56.3–1.5 14.10N–.08 92.07W–.07 33–10 32 0-3
ISCJB XII 30 23 12 55.5–1.2 14.09N–.09 92.07W–.07 51–20 **¶13837370**
NEIC XII 30 23 12 57.0 14.06N 92.21W 10 4.3
MEX XII 30 23 12 57.4–.54 14.05N 92.17W 17–36 4.3
CASC XII 30 23 12 58.5–1.5 13.89N 91.65W 0–7 3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=4.8km az=36.2.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=9.0km s-min=11.0km az=-1.0.
CASC Error ellipse: s-maj=7.6km s-min=12.9km az=-1.0.

(70) Guatemala.

ISC VII 06 11 22 51.4–.27 14.43N–.06 89.89W–.05 241–2 4.0b 119 0-133
ISCJB VII 06 11 22 50.4–.27 14.42N–.06 89.90W–.05 247–2 4.0b **¶11086377**
CASC VII 06 11 22 50.3–2.7 12.29N 90.59W 0–14 4.3L,4.3b
IDC VII 06 11 22 50.7–.72 14.46N 89.87W 240–4 3.6,3.4
NEIC VII 06 11 22 50.9–.72 14.44N 89.93W 236–8 4.3b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=5.0km az=37.3.
CASC Error ellipse: s-maj=19.2km s-min=20.8km az=-1.0.
IDC Error ellipse: s-maj=25.7km s-min=12.7km az=52.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.8km az=53.0.
ISC VII 09 11 57 39.3–.57 15.17N–.04 90.09W–.03 10 36 0-21
ISCJB VII 09 11 57 36.8–.60 15.31N–.04 90.04W–.03 10 **¶12951154**
NEIC VII 09 11 57 37.3 14.36N 90.08W 75 4.1
MEX VII 09 11 57 37.3–.47 14.36N 90.08W 75–68 4.1
CASC VII 09 11 57 37.4–2.6 15.24N 90.17W 0–11 3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=20.1.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=11.3km s-min=19.2km az=-1.0.
CASC Error ellipse: s-maj=18.2km s-min=6.2km az=-1.0.
CASC VII 11 10 37 46.5–2.8 14.05N 89.83W 8–8 3.5
¶13942757
CASC Error ellipse: s-maj=5.8km s-min=3.7km az=-1.0.
ISC VII 13 17 40 53.6–.91 14.2N–.10 91.42W–.05 111–10 26 0-5
ISCJB VII 13 17 40 52.9–.90 14.2N–.10 91.43W–.06 114–10 **¶13642532**
CASC VII 13 17 40 52.9–1.8 14.30N 91.40W 113–9 3.3
MEX VII 13 17 40 54.5–.94 13.76N 91.78W 93–29 4.0
ISCJB Error ellipse: s-maj=20.1km s-min=5.8km az=21.1.
CASC Error ellipse: s-maj=10.7km s-min=7.1km az=-1.0.
MEX Error ellipse: s-maj=26.4km s-min=28.3km az=-1.0.
ISC VII 28 12 59 38.2–.55 14.18N–.08 91.36W–.05 95–5 3.7b 50 0-63
ISCJB VII 28 12 59 36.9–.55 14.15N–.08 91.38W–.05 105–5 3.7b **¶11812780**
MEX VII 28 12 59 36.4–1.1 13.88N 91.29W 72–37 4.0
NEIC VII 28 12 59 36.9–.90 14.11N 91.34W 72–20 3.6b
CASC VII 28 12 59 37.4–1.7 14.20N 91.39W 88–12 4.0,3.7L
IDC VII 28 12 59 39.7–1.8 14.66N 90.98W 84–22 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=3.8km az=27.5.
MEX Error ellipse: s-maj=21.1km s-min=30.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=8.8km az=207.0.
CASC Error ellipse: s-maj=14.7km s-min=8.3km az=-1.0.
IDC Error ellipse: s-maj=57.6km s-min=12.5km az=34.0.
CASC VIII 02 09 41 16.4–1.6 14.33N 91.93W 76–15 3.6
¶13942841
CASC Error ellipse: s-maj=12.6km s-min=7.8km az=-1.0.
ISC VIII 16 01 31 25.4–.60 14.01N–.07 91.33W–.04 72–4 3.8b 56 0-146
ISCJB VIII 16 01 31 24.2–.61 13.98N–.07 91.35W–.04 79–4 3.8b **¶11908282**
NEIC VIII 16 01 31 24.9–1.3 13.97N 91.20W 73–11 3.9b
IDC VIII 16 01 31 24.5–3.3 14.08N 91.12W 64–29 4.1L,4.0
MEX VIII 16 01 31 25.1–.35 13.77N 91.58W 78–16 4.2,4.0
CASC VIII 16 01 31 26.0–2.0 13.94N 91.28W 40–63 4.8L,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=3.7km az=29.4.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.4km az=217.0.
IDC Error ellipse: s-maj=39.6km s-min=18.5km az=49.0.
MEX Error ellipse: s-maj=18.2km s-min=18.7km az=-1.0.
CASC Error ellipse: s-maj=10.2km s-min=6.6km az=-1.0.
ISC VIII 16 01 59 53.6–2.1 14.1N–.20 91.6W–.10 10 3.8b 20 4-146
IDC VIII 16 01 59 51.6–2.4 14.16N 91.63W 0 4.0,3.8b **¶11908284**
NEIC VIII 16 01 59 56.2–1.7 14.07N 91.49W 35 3.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=53.7km s-min=24.8km az=25.0.
NEIC Event type se. Error ellipse: s-maj=28.0km s-min=20.9km az=180.0.
ISC VIII 17 14 25 10.8–.22 14.72N–.04 91.99W–.02 69–2 4.6b 463 0-148
CASC VIII 17 14 25 07.2–1.4 14.62N 92.22W 77–12 4.9,4.7b **¶11167628**
IDC VIII 17 14 25 07.4–.73 14.73N 91.77W 62–5 4.3,4.1
BJI VIII 17 14 25 07.0 14.50N 92.00W 64 5.1b,4.1
NEIC VIII 17 14 25 08.2–.32 14.55N 91.98W 64 4.9,4.7b
MEX VIII 17 14 25 09.8–.62 14.41N 92.22W 69–8 4.9,4.7b
GCMT VIII 17 14 25 09.2–.30 14.62N 92.05W 70–2 5.0W,4.7b
ISCJB VIII 17 14 25 09.2–.25 14.62N–.03 92.02W–.03 78–2 4.6b,4.7b
SZGRF VIII 17 14 25 25.0 14.05N 92.19W 33 4.9b,4.7b
ISC Event type fe.
CASC Error ellipse: s-maj=8.7km s-min=6.9km az=-1.0.
IDC Error ellipse: s-maj=19.6km s-min=9.3km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.7km az=211.0. Felt at Mazatenango, Quetzaltenango, Panajachel, Retalhuleu, San Marcos, San Pedro la Laguna, Solola and Totonicapan.
MEX Error ellipse: s-maj=8.6km s-min=8.4km az=-1.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s52,c64; s85,c121; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.37±.14 $M_{\theta\theta}$0.89±.15; $M_{\phi\phi}$1.48±.17; $M_{r\theta}$2.57±.07; $M_{\theta\phi}$-0.66±.14; $M_{\theta r}$-2.25±.09; Best double couple: NP1:ϕ_s152.00000°,δ17.00000°,λ-73.00000°. NP2:ϕ_s314.00000°,δ74.00000°,λ-95.00000°. Principal axes: T 3.7500,Plg29.0000° ,Azm48.0000°; N 0.5400,Plg5.0000°,Azm315.0000°; P -4.2900,Plg61.0000°,Azm217.0000° M_o4.00000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=2.2km az=33.0.
SZGRF Near coast of Chiapas, Mexico.
ISC VIII 18 19 11 51.5–.18 14.41N–.04 89.91W–.03 225–2 4.5b 369 0-146
ISCJB VIII 18 19 11 50.4–.18 14.39N–.04 89.97W–.03 231–2 4.5b **¶11207918**
NEIC VIII 18 19 11 50.5–.40 14.25N 90.03W 234 4.7b
CASC VIII 18 19 11 50.4–2.5 14.15N 89.99W 227–10 4.7b,4.3
IDC VIII 18 19 11 51.1–.61 14.50N 89.66W 234–5 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.2km az=33.1.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.9km az=211.0.
CASC Error ellipse: s-maj=17.4km s-min=11.3km az=-1.0.
IDC Error ellipse: s-maj=18.6km s-min=8.8km az=59.0.
CASC VIII 21 02 34 19.2–2.2 15.07N 89.19W 0–4 3.6
¶13942973
CASC Error ellipse: s-maj=6.6km s-min=3.8km az=-1.0.
CASC VIII 21 20 18 20.6–2.8 15.15N 89.21W 0–6 3.6,2.8L
¶13942979
CASC Error ellipse: s-maj=9.5km s-min=4.7km az=-1.0.
CASC VIII 22 04 38 10.9–1.8 15.16N 89.22W 0–4 3.8
¶13943989
CASC Error ellipse: s-maj=6.8km s-min=3.1km az=-1.0.
CASC IX 08 11 50 43.2–3.3 15.16N 90.07W 0–8 3.6
MEX IX 08 11 50 37.1–.86 15.35N 89.56W 175–41 4.1 **¶13856221**
CASC Error ellipse: s-maj=14.1km s-min=6.6km az=-1.0.
MEX Error ellipse: s-maj=15.1km s-min=23.8km az=-1.0.
MEX IX 13 04 55 20.2–.33 14.13N 91.73W 90–8 3.8
¶13856413
MEX Error ellipse: s-maj=5.9km s-min=7.4km az=-1.0.
ISC IX 20 18 52 10.7–.44 14.15N–.07 91.15W–.04 111–7 60 0-10
ISCJB IX 20 18 52 09.5–.42 14.15N–.08 91.15W–.05 118–6 **¶12952115**
CASC IX 20 18 52 09.9–1.9 14.19N 91.13W 110–8 3.7,3.7L
MEX IX 20 18 52 11.2–.62 14.11N 91.18W 130–11 4.2,3.7L
NEIC IX 20 18 52 11.2 14.11N 91.18W 130 4.2,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=3.4km az=28.5.
CASC Error ellipse: s-maj=10.1km s-min=6.2km az=-1.0.
MEX Error ellipse: s-maj=8.1km s-min=10.9km az=-1.0.
NEIC Event type se. After MEX.
ISC X 09 16 12 49.0–.71 14.52N–.04 89.08W–.02 5–6 4.0b,3.3s 65 0-146
IDC X 09 16 12 46.3–1.5 14.44N 88.75W 0 4.3,4.0 **¶12066443**
ISCJB X 09 16 12 47.7–.71 14.55N–.04 89.07W–.02 4–6 4.0b,3.3s
NEIC X 09 16 12 50.3–2.8 14.50N 89.01W 24–24 4.1b,4.0
CASC X 09 16 12 50.0–2.5 14.37N 89.14W 0–4 4.2L,4.1b
ISC Event type fe.
IDC Error ellipse: s-maj=33.7km s-min=27.0km az=44.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.2km az=22.2.
NEIC Event type fe. Error ellipse: s-maj=21.3km s-min=8.5km az=214.0. Felt at Copan. Felt [III] at San Ignacio, El Salvador.
CASC Error ellipse: s-maj=5.7km s-min=3.4km az=-1.0.
ISC X 09 16 28 13.3–.45 14.54N–.04 89.08W–.03 10 3.6b 33 1-146
IDC X 09 16 28 11.0–2.6 14.61N 88.68W 0 3.8,3.6L **¶12066445**
ISCJB X 09 16 28 12.5–.47 14.54N–.04 89.06W–.03 10 3.6b,3.6L
CASC X 09 16 28 13.3–3.0 14.52N 89.13W 5–15 3.3,3.6L
NEIC X 09 16 28 15.9–6.7 14.78N 88.92W 14–50 3.3,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=53.9km s-min=30.1km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.3km az=28.3.
CASC Error ellipse: s-maj=8.4km s-min=7.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=13.3km az=210.0.
IDC X 13 00 08 28.1–13 15.09N 89.52W 0 3.8,3.4
¶12068506
IDC Error ellipse: s-maj=385.6km s-min=108.0km az=20.0.
CASC X 14 22 28 05.1–3.1 14.09N 90.14W 232–12 3.6,3.3L
¶13944628
CASC Error ellipse: s-maj=31.3km s-min=15.1km az=-1.0.
ISC X 18 09 41 32.2–.59 14.28N–.08 90.35W–.05 196–4 4.2b 62 0-137
ISCJB X 18 09 41 31.3–.57 14.28N–.08 90.35W–.04 200–4 4.2b **¶12068968**
NEIC X 18 09 41 31.8–.71 14.21N 90.36W 194–9 4.4b
IDC X 18 09 41 31.3–1.7 14.25N 90.22W 187–21 3.9b,3.3
CASC X 18 09 41 33.1–1.5 14.27N 90.29W 185–6 3.8,3.3
MEX X 18 09 41 35.0–.66 14.29N 90.84W 231–10 4.3,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=5.8km az=20.1.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=8.7km az=199.0.
IDC Error ellipse: s-maj=35.3km s-min=16.3km az=40.0.
CASC Error ellipse: s-maj=9.0km s-min=5.1km az=-1.0.
MEX Error ellipse: s-maj=11.8km s-min=14.9km az=-1.0.
ISC X 25 08 24 42.6–.47 14.10N–.05 91.63W–.03 59–8 3.6b 69 0-146

ISCJB X 25 08 24 41.0–.53 14.04N–.06 91.68W–.04 67–8 3.5b ¶12071064
IDC X 25 08 24 43.2–2.8 14.23N 91.60W 61–21 3.9L,3.9
CASC X 25 08 24 43.4–1.7 13.99N 91.55W 39–34 3.8,3.9
MEX X 25 08 24 46.1–.28 14.12N 91.85W 18–9 4.4,3.9
NEIC X 25 08 24 46.1 14.12N 91.85W 18 4.4,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=3.5km az=26.6.
IDC Error ellipse: s-maj=28.5km s-min=16.9km az=19.0.
CASC Error ellipse: s-maj=7.9km s-min=6.9km az=-1.0.
MEX Error ellipse: s-maj=3.7km s-min=3.9km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 03 05 50 55.6–.44 15.72N 90.56W 20–0 3.9
¶14011212
MEX Error ellipse: s-maj=3.5km s-min=4.7km az=-1.0.
ISC XI 11 15 05 57.3–.21 14.17N–.03 90.79W–.02 83–2 4.8b 628 0-161
CASC XI 11 15 05 54.8–2.8 13.94N 91.05W 77–20 5.1L,4.9b ¶13399846
MEX XI 11 15 05 55.7–3.2 13.74N 91.12W 88–21 4.9,4.9b
NEIC XI 11 15 05 55.7–.27 14.03N 90.60W 92 5.4,4.9b
IDC XI 11 15 05 55.2–.54 14.29N 90.42W 81–4 4.4,4.3
GCMT XI 11 15 05 56.5–.20 14.03N 90.90W 99–2 5.1W,4.3
ISCJB XI 11 15 05 56.2–.22 14.14N–.03 90.80W–.02 93–2 4.8b,4.3
BJI XI 11 15 05 56.8 14.10N 90.70W 92 5.2b,4.3
MOS XI 11 15 05 59.0–1.2 14.24N 90.61W 127 5.0b,4.3
SZGRF XI 11 15 06 17.5 14.80N 93.02W 33 5.3b,4.3
ISC Event type fe.
CASC Error ellipse: s-maj=15.4km s-min=9.0km az=-1.0.
MEX Error ellipse: s-maj=22.2km s-min=22.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.7km az=221.0. Felt [III] at Guatemala. Also felt at Antigua Guatemala and Panajachel. Felt [III] at San Salvador, El Salvador.
IDC Error ellipse: s-maj=19.1km s-min=8.8km az=61.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s61,c80; s80,c117; Moment tensor: Scale 10^{16}Nm; M_{rr}3.86±.18 $M_{\theta\theta}$-4.23±.22; $M_{\phi\phi}$0.37±.23; $M_{r\theta}$3.94±.11; $M_{\theta\phi}$1.35±.21; $M_{\phi r}$-1.67±.14; Best double couple: NP1:ϕ_s277.00000°,δ23.00000°,λ77.00000°. NP2:ϕ_s111.00000°,δ68.00000°,λ95.00000°. Principal axes: T 5.6800,Plg67.0000° ,Azm31.0000°; N 0.6900,Plg5.0000°,Azm289.0000°; P -6.3600,Plg23.0000°,Azm197.0000° M_o6.00000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=2.3km az=33.9.
MOS Error ellipse: s-maj=11.5km s-min=5.5km az=107.1.
SZGRF Near coast of Chiapas, Mexico.
ISC XI 13 08 23 53.5–.72 14.01N–.07 91.47W–.04 60–15 32 0-7
ISCJB XI 13 08 23 52.3–.70 13.99N–.07 91.51W–.04 68–12 ¶14011561
CASC XI 13 08 23 53.7–1.3 14.14N 91.39W 69–13 3.8
MEX XI 13 08 23 54.4–.48 13.93N 91.51W 30–8 4.1
ISCJB Error ellipse: s-maj=12.4km s-min=4.8km az=27.9.
CASC Error ellipse: s-maj=10.8km s-min=5.3km az=-1.0.
MEX Error ellipse: s-maj=6.9km s-min=7.4km az=-1.0.
ISC XI 21 17 23 44.8–.87 14.02N–.09 91.71W–.06 57–9 3.8b 31 0-146
ISCJB XI 21 17 23 44.2–.84 14.06N–.09 91.68W–.06 74–6 3.6b ¶12074416
CASC XI 21 17 23 45.5–1.9 13.99N 91.62W 49–23 3.6
IDC XI 21 17 23 46.9–2.9 14.29N 91.64W 62–21 3.8,3.6
ISCJB Error ellipse: s-maj=16.1km s-min=6.1km az=26.6.
CASC Error ellipse: s-maj=10.2km s-min=6.6km az=-1.0.
IDC Error ellipse: s-maj=40.5km s-min=17.6km az=28.0.
ISC XI 24 00 28 55.6–.54 14.15N–.06 91.90W–.04 67–5 3.6b 64 0-146
CASC XI 24 00 28 53.5–2.5 13.94N 92.02W 60–50 4.7L,4.0 ¶12074627
ISCJB XI 24 00 28 54.5–.55 14.14N–.06 91.91W–.04 76–5 3.6b,4.0
IDC XI 24 00 28 56.0–1.0 14.38N 91.53W 63–6 3.7,3.6
MEX XI 24 00 28 57.2–.54 14.02N 92.17W 45–22 4.1,3.6
NEIC XI 24 00 29 01.0–1.3 14.40N 91.40W 112–11 3.5b,3.6
ISC Event type se.
CASC Error ellipse: s-maj=24.2km s-min=14.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=3.9km az=30.6.
IDC Error ellipse: s-maj=32.4km s-min=13.6km az=42.0.
MEX Error ellipse: s-maj=9.6km s-min=7.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=8.2km az=57.0.
CASC XII 13 01 50 40.9–2.2 14.18N 91.54W 86–11 3.5
¶14269018
CASC Error ellipse: s-maj=14.3km s-min=8.0km az=-1.0.
CASC XII 15 17 36 42.4–3.0 15.13N 89.04W 0–9 3.6
¶14269071
CASC Error ellipse: s-maj=14.5km s-min=7.3km az=-1.0.
IDC XII 23 03 00 44.0–1.9 14.64N 89.73W 143–63 3.3b,3.3
¶12078621
IDC Error ellipse: s-maj=120.9km s-min=13.2km az=34.0.

(71) Near coast of Guatemala.

CASC VII 03 01 46 49.5–1.6 13.65N 90.74W 37–9 3.8
¶13942666
CASC Error ellipse: s-maj=6.1km s-min=4.0km az=-1.0.
CASC VII 03 11 35 48.4–1.2 13.36N 90.08W 33–2 3.7
¶13942667
CASC Error ellipse: s-maj=4.2km s-min=2.7km az=-1.0.
ISC VII 07 04 43 55.8–1.1 13.67N–.04 91.52W–.02 11–7 3.7b 142 1-51
IDC VII 07 04 43 50.8–3.9 13.45N 91.52W 0 4.1,3.9L ¶11810851
ISCJB VII 07 04 43 54.6–.95 13.64N–.04 91.58W–.03 15–6 3.7b,3.9L
NEIC VII 07 04 43 57.7–1.1 13.61N 91.59W 39–13 4.6,3.9b
CASC VII 07 04 43 57.2–1.5 13.60N 91.39W 13–13 3.9b,3.8
MEX VII 07 04 43 59.2–.71 13.58N 91.88W 20–25 4.6,3.8
ISC Event type se.
IDC Error ellipse: s-maj=59.2km s-min=26.9km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.5km az=20.3.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=9.4km az=198.0.
CASC Error ellipse: s-maj=5.8km s-min=8.4km az=-1.0.
MEX Error ellipse: s-maj=13.3km s-min=17.9km az=-1.0.
ISC VII 09 03 23 04.2–.72 13.96N–.09 91.81W–.05 71–18 41 0-7
ISCJB VII 09 03 23 03.0–.74 13.97N–.10 91.82W–.05 82–14 ¶12951160
NEIC VII 09 03 23 06.4 13.80N 92.16W 20 4.0
MEX VII 09 03 23 06.4–1.1 13.80N 92.16W 20–40 4.0
CASC VII 09 03 23 06.0–2.5 13.97N 91.65W 62–34 3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=4.6km az=24.2.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=12.6km s-min=31.2km az=-1.0.
CASC Error ellipse: s-maj=16.4km s-min=9.8km az=-1.0.
CASC VII 16 04 52 57.0–1.9 13.93N 91.62W 60–29 3.7
¶13942768
CASC Error ellipse: s-maj=15.3km s-min=8.8km az=-1.0.
CASC VII 16 12 28 57.6–2.1 13.98N 91.73W 23–12 3.6
¶13942769
CASC Error ellipse: s-maj=14.5km s-min=11.3km az=-1.0.
ISC VII 16 15 18 11.8–.94 13.61N–.08 90.85W–.05 51–16 28 1-147
ISCJB VII 16 15 18 11.3–.89 13.64N–.08 90.85W–.06 62–12 ¶12698252
CASC VII 16 15 18 12.0–1.2 13.64N 90.80W 35–13 3.7
IDC VII 16 15 18 14.3–2.0 13.79N 90.83W 75–20 3.7,3.6b
ISCJB Error ellipse: s-maj=15.2km s-min=5.0km az=31.3.
CASC Error ellipse: s-maj=6.8km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=25.7km s-min=12.8km az=39.0.
CASC VII 20 15 28 58.3–1.3 13.11N 90.02W 20–10 3.5
¶13942782
CASC Error ellipse: s-maj=9.1km s-min=9.5km az=-1.0.
ISC VII 23 17 29 47.2–1.2 13.53N–.09 91.34W–.07 37–13 4.0b 35 1-147
ISCJB VII 23 17 29 45.0–1.3 13.41N–.09 91.41W–.07 40–13 4.0b ¶11812457
IDC VII 23 17 29 44.6–1.9 14.50N 90.64W 0 4.1,3.9b
CASC VII 23 17 29 45.9–1.8 13.49N 91.34W 30–23 4.0b,3.9
NEIC VII 23 17 29 46.4–.97 14.34N 90.78W 10 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=6.2km az=33.2.
IDC Error ellipse: s-maj=111.9km s-min=17.2km az=37.0.
CASC Error ellipse: s-maj=13.7km s-min=16.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=9.2km az=208.0.
CASC VII 25 02 05 13.5–2.8 13.89N 91.41W 22–31 3.5
¶13942811
CASC Error ellipse: s-maj=25.5km s-min=19.2km az=-1.0.
CASC VII 25 10 34 16.9–2.3 13.91N 91.01W 45–60 3.8
¶13942813
CASC Error ellipse: s-maj=17.7km s-min=11.9km az=-1.0.
CASC VII 29 05 16 10.1–2.1 13.70N 91.68W 14–21 3.9
¶13942826
CASC Error ellipse: s-maj=16.3km s-min=16.6km az=-1.0.
ISC VII 31 09 33 52.5–.43 13.61N–.04 90.67W–.04 58–4 4.5b,3.9s 440 1-147
IDC VII 31 09 33 44.9–2.4 13.60N 90.41W 10–13 5.1L,4.5 ¶11154034
CASC VII 31 09 33 50.2–1.9 13.49N 90.75W 24–7 4.6b,4.4
ISCJB VII 31 09 33 51.1–.45 13.53N–.03 90.68W–.04 69–4 4.5b,4.4
NEIC VII 31 09 33 52.0–.80 13.54N 90.67W 60–7 4.6b,4.4
MOS VII 31 09 33 53.0–1.2 13.61N 90.52W 88 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=12.5km az=60.0.
CASC Error ellipse: s-maj=4.7km s-min=5.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.4km az=44.7.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.5km az=51.0.
MOS Error ellipse: s-maj=16.0km s-min=6.1km az=110.9.
CASC VIII 02 18 29 47.6–2.5 13.41N 90.77W 15–9 3.8
¶13942843
CASC Error ellipse: s-maj=8.5km s-min=7.0km az=-1.0.
CASC VIII 04 03 24 49.3–1.7 13.43N 90.16W 46–26 3.9,3.9L
¶13942845
CASC Error ellipse: s-maj=12.3km s-min=6.2km az=-1.0.
CASC VIII 09 06 52 17.3–2.4 13.49N 90.85W 13–9 3.8
¶13942865
CASC Error ellipse: s-maj=8.2km s-min=6.2km az=-1.0.
ISC VIII 09 14 23 32.3–.60 13.31N–.05 91.00W–.03 10 3.8b 59 1-147
NEIC VIII 09 14 23 30.5–1.2 13.11N 90.93W 10 4.5,3.9b ¶11907996
IDC VIII 09 14 23 30.1–3.9 12.83N 91.22W 0 4.1,3.8L
ISCJB VIII 09 14 23 31.0–.60 13.27N–.05 91.05W–.03 10 3.8b,3.8L
CASC VIII 09 14 23 35.3–2.3 13.42N 90.88W 20–8 3.9b,3.8
MEX VIII 09 14 23 37.4–.50 13.09N 91.47W 20–21 4.5,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=10.7km az=201.0.
IDC Error ellipse: s-maj=201.7km s-min=28.5km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.6km az=23.2.
CASC Error ellipse: s-maj=7.4km s-min=6.4km az=-1.0.
MEX Error ellipse: s-maj=11.0km s-min=22.0km az=-1.0.
ISC VIII 12 23 14 40.3–1.3 13.42N–.05 90.84W–.04 11–7 3.8b 37 1-78
ISCJB VIII 12 23 14 40.6–1.4 13.37N–.06 90.89W–.04 27–9 3.8b ¶11908125
CASC VIII 12 23 14 42.2–1.9 13.48N 90.82W 27–6 4.4b,3.8
IDC VIII 12 23 14 53.6–9.1 15.44N 90.64W 0 4.3L,4.0
NEIC VIII 12 23 15 04.3–1.5 15.31N 90.79W 105–13 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.7km az=26.7.
CASC Error ellipse: s-maj=6.1km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=187.7km s-min=53.2km az=179.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=9.2km az=49.0.
ISC VIII 13 03 39 20.7–1.2 13.1N–.10 91.23W–.05 35 3.6b 29 1-147
ISCJB VIII 13 03 39 18.7–1.2 13.1N–.10 91.28W–.04 33 3.6b ¶11908134
IDC VIII 13 03 39 18.4–4.2 13.43N 91.02W 0 3.9,3.8b
CASC VIII 13 03 39 20.1–2.7 13.26N 91.16W 20–21 3.7,3.4L
NEIC VIII 13 03 39 22.4–1.5 13.26N 91.23W 35 3.4b,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=4.8km az=15.3.
IDC Error ellipse: s-maj=279.6km s-min=45.0km az=41.0.
CASC Error ellipse: s-maj=18.9km s-min=14.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=11.4km az=187.0.
CASC VIII 14 03 25 00.8–2.1 13.79N 90.50W 89–10 3.5,3.2L
¶13942884
CASC Error ellipse: s-maj=9.9km s-min=5.9km az=-1.0.
CASC VIII 15 16 49 31.9–1.6 13.54N 90.47W 29–4 3.5
¶13942895
CASC Error ellipse: s-maj=7.2km s-min=3.7km az=-1.0.
ISC VIII 16 00 10 15.9–1.2 13.86N–.06 91.81W–.04 5–7 4.2b,3.7s 206 1-146
IDC VIII 16 00 10 11.4–1.2 13.68N 91.62W 0 4.4,4.1 ¶11184364
NEIC VIII 16 00 10 13.9–4.3 13.61N 91.76W 13–27 4.3b,4.2
ISCJB VIII 16 00 10 14.7–1.4 13.79N–.05 91.88W–.03 11–9 4.2b,3.7s
CASC VIII 16 00 10 15.5–2.0 13.58N 91.77W 0–185 4.3b,4.0
MEX VIII 16 00 10 18.5–.33 13.65N 92.08W 32–196 4.2,4.0
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=18.3km az=44.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=9.9km az=194.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=3.7km az=23.9.
CASC Error ellipse: s-maj=62.0km s-min=390.6km az=-1.0.
MEX Error ellipse: s-maj=41.3km s-min=18.0km az=-1.0.
ISC VIII 16 01 46 37.7–.65 13.91N–.05 91.62W–.04 35–5 4.6b,4.1s 334 1-146
MEX VIII 16 01 46 29.9–.57 13.18N 91.96W 21–21 4.4,4.1s ¶11184365
IDC VIII 16 01 46 30.8–.80 13.96N 91.29W 0 4.6,4.5
ISCJB VIII 16 01 46 35.5–.76 13.83N–.05 91.66W–.04 38–6 4.6b,4.1s
NEIC VIII 16 01 46 39.0–.78 13.89N 91.57W 58–7 4.7b,4.3
ISC Event type se.
MEX Error ellipse: s-maj=9.1km s-min=13.9km az=-1.0.
IDC Error ellipse: s-maj=37.7km s-min=14.6km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.6km az=33.6.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.6km az=225.0.
ISC VIII 16 01 57 20.0–1.3 13.62N–.05 91.91W–.03 1–7 4.0b,3.6s 100 1-146
MEX VIII 16 01 57 16.5–.78 13.34N 91.57W 20–31 4.2,3.6s ¶11908283
ISCJB VIII 16 01 57 18.5–1.3 13.58N–.05 91.97W–.03 4–9 4.0b,3.6s
IDC VIII 16 01 57 19.2–1.5 13.79N 91.47W 0 4.2,3.9b
NEIC VIII 16 01 57 20.6–5.3 13.62N 91.86W 10–33 4.2,3.9b
CASC VIII 16 01 57 20.2–2.5 13.29N 92.04W 35–999 3.9,3.9b
ISC Event type se.
MEX Error ellipse: s-maj=16.3km s-min=36.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=3.8km az=19.2.
IDC Error ellipse: s-maj=45.9km s-min=25.2km az=51.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=10.6km az=203.0.
CASC Error ellipse: s-maj=29.3km s-min=12.9km az=-1.0.
ISC VIII 17 17 17 26.9–1.0 13.78N–.04 91.84W–.02 7–6 4.6b,4.4s 363 1-146
IDC VIII 17 17 17 23.7–.91 13.81N 91.52W 0 4.6,4.4 ¶11167633
ISCJB VIII 17 17 17 24.9–.27 13.67N–.04 91.90W–.02 10 4.6b,4.4s
CASC VIII 17 17 17 27.4–1.5 13.51N 91.96W 57–49 4.6b,4.4
NEIC VIII 17 17 17 33.3–.94 13.89N 91.58W 69–8 4.7,4.6b
MEX VIII 17 17 17 34.0–1.5 13.88N 92.47W 14–785 4.3,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=32.3km s-min=15.0km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=2.1km az=23.9.
CASC Error ellipse: s-maj=11.1km s-min=6.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=4.8km az=48.0. Felt [II] at Sonsonate, El Salvador.
MEX Error ellipse: s-maj=663.8km s-min=71.3km az=-1.0.
CASC VIII 19 09 31 36.9–1.8 13.46N 90.99W 7–15 3.5
¶13942963
CASC Error ellipse: s-maj=9.7km s-min=13.2km az=-1.0.
CASC VIII 20 04 22 25.1–1.4 13.92N 90.90W 99–8 3.6
¶13942967
CASC Error ellipse: s-maj=7.3km s-min=4.9km az=-1.0.
ISC VIII 21 00 53 56.0–.65 13.56N–.05 91.09W–.03 35 40 1-8
ISCJB VIII 21 00 53 54.6–.70 13.51N–.05 91.12W–.03 33 ¶13827680
CASC VIII 21 00 53 56.9–1.6 13.67N 90.98W 30–6 3.7,3.7L
MEX VIII 21 00 53 57.6–.26 13.35N 91.42W 14–59 4.2,3.7L
ISCJB Error ellipse: s-maj=8.2km s-min=3.1km az=22.4.
CASC Error ellipse: s-maj=5.2km s-min=4.9km az=-1.0.
MEX Error ellipse: s-maj=39.5km s-min=33.0km az=-1.0.
CASC VIII 21 02 24 11.2–2.0 13.54N 91.78W 20–21 3.9,3.4L
¶13942972
CASC Error ellipse: s-maj=14.5km s-min=17.4km az=-1.0.
ISC VIII 24 13 49 00.9–.65 13.53N–.06 90.73W–.03 35 2.8s 55 1-147

IDC VIII 24 13 48 51.6–4.9 12.98N 90.56W 0 3.9,3.5L ¶11908695
NEIC VIII 24 13 48 56.5–2.6 12.86N 90.86W 35 3.9,3.5L
ISCJB VIII 24 13 48 59.1–.68 13.46N–.06 90.78W–.03 33 2.8s,3.5L
CASC VIII 24 13 49 01.3–2.4 13.62N 90.63W 26–6 3.6,3.5L
MEX VIII 24 13 49 12.8–.40 13.43N 92.04W 57–72 4.2,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=362.9km s-min=53.9km az=42.0.
NEIC Event type se. Error ellipse: s-maj=62.1km s-min=14.2km az=193.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=3.4km az=23.2.
CASC Error ellipse: s-maj=8.9km s-min=5.5km az=-1.0.
MEX Error ellipse: s-maj=20.9km s-min=23.7km az=-1.0.
ISC VIII 25 12 05 01.7–.70 13.07N–.06 91.08W–.03 35 3.5b 43 1-147
ISCJB VIII 25 12 04 59.9–.72 13.02N–.06 91.15W–.03 33 3.5b ¶12581376
IDC VIII 25 12 04 59.8–4.5 13.91N 90.05W 0 3.9,3.8L
CASC VIII 25 12 05 04.0–2.4 13.21N 90.84W 30–36 3.8,3.8L
MEX VIII 25 12 05 05.5–.47 13.02N 91.42W 20–26 4.5,3.8L
ISCJB Error ellipse: s-maj=8.5km s-min=3.9km az=16.5.
IDC Error ellipse: s-maj=180.7km s-min=52.1km az=31.0.
CASC Error ellipse: s-maj=21.7km s-min=18.5km az=-1.0.
MEX Error ellipse: s-maj=10.7km s-min=21.8km az=-1.0.
CASC VIII 31 19 08 19.1–2.3 13.52N 91.41W 50–0 3.6
¶13944519
CASC Error ellipse: s-maj=8.9km s-min=9.1km az=-1.0.
ISC VIII 31 21 02 02.0–.73 13.85N–.08 91.72W–.05 65–21 37 0-8
ISCJB VIII 31 21 02 00.7–.77 13.86N–.09 91.72W–.05 82–14 ¶12100413
CASC VIII 31 21 02 03.0–1.7 13.85N 91.61W 55–32 3.5
MEX VIII 31 21 02 08.8–.57 13.95N 92.18W 11–54 4.0
NEIC VIII 31 21 02 09.0 13.94N 92.19W 13 4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=4.4km az=27.4.
CASC Error ellipse: s-maj=10.9km s-min=7.0km az=-1.0.
MEX Error ellipse: s-maj=42.8km s-min=22.3km az=-1.0.
NEIC Event type se. After MEX.
CASC IX 02 17 45 57.6–1.9 13.43N 90.96W 36–999 3.5,3.0L
¶13944527
CASC Error ellipse: s-maj=23.0km s-min=9.9km az=-1.0.
ISC IX 04 21 39 32.5–.34 13.80N–.03 91.17W–.03 55–3 4.6b,4.4s 413 1-149
CASC IX 04 21 39 29.8–2.6 13.66N 91.36W 35–18 4.7b,4.6L ¶11265445
NEIC IX 04 21 39 29.0–1.6 13.69N 91.29W 35–11 4.7b,4.6L
ISCJB IX 04 21 39 30.8–.41 13.72N–.04 91.21W–.03 61–3 4.6b,4.6L
GCMT IX 04 21 39 31.1–.20 13.54N 91.57W 29–0 5.2W,4.6L
BJI IX 04 21 39 32.4 13.80N 91.00W 81 5.1b,5.0s
IDC IX 04 21 39 35.7–3.6 13.97N 90.90W 92–32 4.5,4.4
ISC Event type se.
CASC Error ellipse: s-maj=9.7km s-min=10.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.9km az=212.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=2.8km az=33.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s72,c116; s78,c131; Moment tensor: Scale 10^{16}Nm; M_{rr}6.40±.21 $M_{\theta\theta}$-6.06±.16; $M_{\phi\phi}$-0.34±.19; $M_{r\theta}$4.51±.22; $M_{\theta\phi}$2.94±.11; $M_{\phi r}$-2.88±.29; Best double couple: NP1:ϕ_s285.00000°,δ27.00000°,λ77.00000°. NP2:ϕ_s119.00000°,δ64.00000°,λ96.00000°. Principal axes: T 8.2900,Plg70.0000°,Azm43.0000°; N 0.8100,Plg6.0000°,Azm297.0000°; P -9.1100,Plg19.0000°,Azm205.0000° M_o8.70000×10^{16}
IDC Error ellipse: s-maj=26.1km s-min=10.8km az=56.0.
ISC IX 04 21 46 32.4–1.3 13.51N–.06 91.46W–.03 13–8 3.8b 75 1-147
IDC IX 04 21 46 29.8–1.6 14.00N 90.72W 0 4.1L,4.1 ¶11909493
ISCJB IX 04 21 46 31.8–1.4 13.42N–.06 91.52W–.03 25–10 3.8b,4.1
CASC IX 04 21 46 33.9–2.6 13.61N 91.48W 53–78 3.9L,3.8b
NEIC IX 04 21 46 37.1–.86 13.82N 91.61W 35 3.8b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=123.1km s-min=23.8km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.0km az=21.2.
CASC Error ellipse: s-maj=21.6km s-min=12.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=8.8km az=211.0.
CASC IX 05 03 12 40.6–2.1 13.54N 91.35W 6–16 3.5
¶13944535
CASC Error ellipse: s-maj=15.8km s-min=15.8km az=-1.0.
ISC IX 12 19 43 37.2–1.4 13.40N–.05 90.65W–.04 16–10 36 1-3
ISCJB IX 12 19 43 37.3–1.4 13.38N–.06 90.66W–.04 23–7 ¶13944552
CASC IX 12 19 43 39.0–1.9 13.47N 90.64W 37–247 3.6L,3.4
ISCJB Error ellipse: s-maj=11.3km s-min=5.0km az=22.5.
CASC Error ellipse: s-maj=8.7km s-min=4.7km az=-1.0.
ISC IX 15 03 35 37.5–.69 13.99N–.06 91.80W–.05 52–6 4.2b,3.7s 178 0-146
IDC IX 15 03 35 33.5–3.4 13.83N 91.74W 35–24 4.1,3.9 ¶11277560
CASC IX 15 03 35 34.7–2.2 13.83N 91.87W 21–22 4.2b,3.9
ISCJB IX 15 03 35 37.6–.68 14.01N–.06 91.69W–.05 76–6 4.1b,3.9
NEIC IX 15 03 35 37.6–1.3 14.02N 91.81W 55–12 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=15.4km az=37.0.
CASC Error ellipse: s-maj=15.6km s-min=18.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.1km az=37.6.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.9km az=222.0.
ISC IX 16 02 53 28.7–.49 13.78N–.04 91.17W–.03 42–4 4.6b,4.0s 407 1-146
CASC IX 16 02 53 24.5–2.5 13.48N 91.44W 37–18 4.7b,4.1 ¶11277587
MEX IX 16 02 53 26.7–.63 13.46N 91.65W 5–96 4.5,4.1
ISCJB IX 16 02 53 27.4–.56 13.67N–.05 91.19W–.04 55–4 4.6b,4.0s
NEIC IX 16 02 53 29.8–.85 13.78N 91.19W 57–7 4.7b,4.5
IDC IX 16 02 53 37.2–1.5 14.57N 90.83W 96–10 4.4,4.1b
ISC Event type se.
CASC Error ellipse: s-maj=8.3km s-min=12.4km az=-1.0.
MEX Error ellipse: s-maj=64.8km s-min=52.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=3.7km az=36.5.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.4km az=209.0.
IDC Error ellipse: s-maj=38.1km s-min=18.9km az=55.0.
ISC IX 20 02 25 52.4–1.6 13.13N–.04 90.90W–.03 11–10 4.4b,3.9s 264 1-147
CASC IX 20 02 25 51.5–1.6 13.08N 90.97W 10–8 4.5b,4.1L ¶11282312
BJI IX 20 02 25 53.2 13.40N 90.60W 51 4.9b,4.8s
IDC IX 20 02 25 55.8–2.5 13.54N 90.31W 33–17 4.3,4.1
NEIC IX 20 02 25 57.3–.87 13.36N 90.64W 52–7 4.5b,4.1
ISC Event type se.
CASC Error ellipse: s-maj=6.4km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=26.9km s-min=13.5km az=62.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.5km az=220.0.
CASC IX 20 02 33 25.6–1.6 13.11N 90.94W 13–9 3.7
¶13944564
CASC Error ellipse: s-maj=8.9km s-min=7.1km az=-1.0.
MEX IX 20 07 29 16.5–.51 13.43N 91.91W 30–0 4.3
NEIC IX 20 07 29 16.5 13.43N 91.91W 30 4.3 ¶12952110
MEX Error ellipse: s-maj=8.7km s-min=12.7km az=-1.0.
NEIC Event type se. After MEX.
CASC IX 25 07 46 14.8–1.5 13.42N 90.83W 52–99 3.5
¶13944583
CASC Error ellipse: s-maj=18.2km s-min=9.0km az=-1.0.
CASC IX 27 11 53 00.3–2.2 13.54N 90.55W 37–173 3.6
¶13944585
CASC Error ellipse: s-maj=11.9km s-min=7.2km az=-1.0.
ISC IX 28 08 10 09.4–1.3 13.36N–.05 91.97W–.03 10–8 4.1b,3.3s 105 1-147
ISCJB IX 28 08 10 07.6–1.4 13.33N–.05 92.04W–.03 8–9 4.1b,3.3s ¶11911258
IDC IX 28 08 10 11.8–1.7 13.84N 91.96W 0 4.0,3.8b
NEIC IX 28 08 10 11.4–4.0 13.53N 91.94W 16–27 4.3b,3.8b
CASC IX 28 08 10 12.1–2.4 13.35N 91.86W 28–31 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.0km az=13.2.
IDC Error ellipse: s-maj=32.5km s-min=21.3km az=18.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=9.1km az=203.0.
CASC Error ellipse: s-maj=12.5km s-min=24.6km az=-1.0.
CASC IX 29 04 10 22.6–2.3 13.37N 90.22W 30–9 3.5
¶13944588
CASC Error ellipse: s-maj=10.5km s-min=7.4km az=-1.0.
CASC IX 29 05 39 41.9–2.7 13.90N 91.56W 20–16 3.8
¶13944589

CASC Error ellipse: s-maj=10.4km s-min=9.9km az=-1.0.
ISC IX 30 19 08 11.8–1.1 13.58N–.05 91.85W–.02 30–8 4.3b,3.6s 242 1-146
CASC IX 30 19 08 09.8–2.3 13.43N 91.96W 36–999 4.4,3.8L ¶11322405
IDC IX 30 19 08 11.5–5.3 13.60N 91.83W 33–37 4.5,4.3L
NEIC IX 30 19 08 13.3–.89 13.62N 91.54W 60–7 4.3b,4.3L
ISC Event type se.
CASC Error ellipse: s-maj=21.0km s-min=10.1km az=-1.0.
IDC Error ellipse: s-maj=30.9km s-min=21.1km az=39.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.0km az=213.0.
CASC X 12 17 22 01.0–2.3 13.43N 90.98W 43–10 3.9
IDC X 12 17 21 55.5–3.3 13.14N 91.05W 0 4.0,4.0L ¶12068480
CASC Error ellipse: s-maj=10.1km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=62.3km s-min=52.2km az=19.0.
CASC X 13 09 49 40.2–1.7 13.07N 90.05W 18–5 4.1,3.7L
¶13944621
CASC Error ellipse: s-maj=4.5km s-min=3.4km az=-1.0.
CASC X 13 10 12 22.8–1.8 13.12N 90.04W 23–8 3.7,3.5L
¶13944622
CASC Error ellipse: s-maj=6.1km s-min=4.8km az=-1.0.
CASC X 18 04 10 42.6–1.4 13.73N 90.24W 76–8 3.5,3.3L
¶13944634
CASC Error ellipse: s-maj=11.5km s-min=5.3km az=-1.0.
CASC X 18 23 35 52.4–1.9 13.46N 90.15W 41–21 3.7,3.7L
¶13944635
CASC Error ellipse: s-maj=6.0km s-min=3.2km az=-1.0.
ISC X 19 11 45 57.0–.59 13.89N–.06 91.55W–.04 57–9 3.8b 66 0-146
ISCJB X 19 11 45 55.6–.61 13.86N–.06 91.58W–.04 66–8 3.6b ¶12069038
CASC X 19 11 45 57.9–1.9 13.90N 91.39W 23–35 4.0L,3.9
NEIC X 19 11 45 57.9 13.80N 91.65W 28 4.2,3.9
MEX X 19 11 45 57.7–.35 13.78N 91.65W 28–7 4.2,3.9
IDC X 19 11 46 05.5–3.2 14.50N 90.97W 128–29 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=3.5km az=27.4.
CASC Error ellipse: s-maj=11.9km s-min=6.7km az=-1.0.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=4.8km s-min=6.4km az=-1.0.
IDC Error ellipse: s-maj=35.2km s-min=20.7km az=65.0.
ISC X 24 15 12 38.8–.80 13.24N–.06 90.40W–.03 44–14 3.6b 54 1-147
ISCJB X 24 15 12 37.8–.84 13.22N–.07 90.40W–.04 54–11 3.6b ¶12070995
CASC X 24 15 12 37.8–1.8 13.30N 90.39W 21–5 3.9,3.3b
NEIC X 24 15 12 43.9–1.1 13.80N 90.56W 35 3.3b,3.3b
IDC X 24 15 12 44.0–2.9 13.60N 90.52W 72–24 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=4.5km az=19.6.
CASC Error ellipse: s-maj=6.0km s-min=3.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=10.9km az=203.0.
IDC Error ellipse: s-maj=57.5km s-min=19.2km az=34.0.
ISC X 28 06 49 56.4–1.1 13.40N–.09 90.88W–.07 65–7 4.2b 61 1-147
CASC X 28 06 49 43.6–2.1 12.84N 91.40W 0–29 4.2b,4.0 ¶12071311
IDC X 28 06 49 49.1–1.8 13.63N 90.73W 0 4.4,4.3b
NEIC X 28 06 49 54.3–1.3 13.37N 90.95W 45–12 4.2b,4.3b
ISCJB X 28 06 49 55.3–1.1 13.39N–.09 90.89W–.07 74–7 4.2b,4.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 30 21 25 37.4–3.1 13.25N–.10 90.93W–.06 12–20 4.0b 21 1-147
IDC X 30 21 25 34.1–1.6 13.03N 90.71W 0 4.0,3.9 ¶12071670
CASC X 30 21 25 39.4–1.7 13.35N 90.88W 21–10 3.7,3.9
IDC Error ellipse: s-maj=57.8km s-min=22.7km az=36.0.
CASC Error ellipse: s-maj=12.0km s-min=5.7km az=-1.0.
ISC XI 01 19 04 29.4–.35 13.52N–.04 90.82W–.02 54–4 4.2b,3.7s 118 1-147
IDC XI 01 19 04 22.4–1.1 13.69N 90.30W 0 4.3,4.3L ¶11451565
ISCJB XI 01 19 04 27.6–.39 13.46N–.04 90.85W–.03 63–4 4.2b,4.3L
MEX XI 01 19 04 27.6–.61 13.14N 90.98W 30–452 4.5,4.3L
CASC XI 01 19 04 28.5–1.7 13.55N 90.81W 30–10 4.2,4.2L
NEIC XI 01 19 04 30.2–1.5 13.52N 90.62W 65–13 4.2b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=22.1km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=2.8km az=28.2.
MEX Error ellipse: s-maj=77.5km s-min=64.1km az=-1.0.
CASC Error ellipse: s-maj=5.0km s-min=5.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=10.2km az=222.0.
ISC XI 07 06 04 46.7–.67 13.77N–.07 91.20W–.04 62–11 38 0-5
ISCJB XI 07 06 04 45.8–.70 13.78N–.07 91.20W–.04 71–9 ¶14011358
CASC XI 07 06 04 47.9–2.8 13.87N 91.08W 61–15 3.5,3.5L
MEX XI 07 06 04 48.3–.77 13.72N 91.40W 90–19 4.0,3.5L
ISCJB Error ellipse: s-maj=12.7km s-min=4.0km az=26.0.
CASC Error ellipse: s-maj=11.1km s-min=6.6km az=-1.0.
MEX Error ellipse: s-maj=14.8km s-min=13.2km az=-1.0.
ISC XI 16 08 45 00.6–1.0 13.3N–.10 91.38W–.06 47–64 27 1-7
CASC XI 16 08 44 57.1–1.9 13.00N 91.41W 52–222 3.7,3.4L ¶14011671
MEX XI 16 08 45 03.8–.47 13.44N 91.62W 5–82 4.1,3.4L
CASC Error ellipse: s-maj=32.7km s-min=11.6km az=-1.0.
MEX Error ellipse: s-maj=60.9km s-min=34.2km az=-1.0.
ISC XI 18 06 57 20.2–1.7 13.1N–.20 90.68W–.07 35 3.6b 16 1-64
IDC XI 18 06 57 12.9–6.4 13.03N 90.17W 0 3.9,3.6 ¶12073974
CASC XI 18 06 57 16.6–1.4 12.95N 90.71W 11–20 3.7,3.6
ISCJB XI 18 06 57 17.3–1.8 12.9N–.20 90.74W–.07 33 3.6b,3.6
IDC XI 18 23 58 50.4–2.9 13.77N 90.70W 0 4.1,3.9b
¶12074078
IDC Error ellipse: s-maj=83.3km s-min=27.1km az=28.0.
CASC XI 25 13 48 19.4–1.6 13.84N 91.51W 0–8 3.6
¶14202930
CASC Error ellipse: s-maj=7.8km s-min=11.8km az=-1.0.
CASC XI 30 04 33 21.0–2.9 13.38N 90.70W 90–23 3.7,3.1L
¶14202974
CASC Error ellipse: s-maj=17.1km s-min=9.3km az=-1.0.
ISC XII 09 15 10 40.5–.94 13.63N–.07 91.17W–.05 36–19 35 0-147
ISCJB XII 09 15 10 39.7–.90 13.62N–.08 91.16W–.06 55–12 ¶12076557
CASC XII 09 15 10 41.1–2.3 13.64N 91.00W 23–12 3.7,3.6b
NEIC XII 09 15 10 41.1–1.6 13.61N 91.17W 51–19 3.6b,3.6b
IDC XII 09 15 10 42.2–3.3 13.70N 91.08W 58–30 4.0,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=6.5km az=28.9.
CASC Error ellipse: s-maj=12.4km s-min=8.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=11.2km az=222.0.
IDC Error ellipse: s-maj=59.0km s-min=26.0km az=39.0.
CASC XII 13 23 06 49.1–1.7 13.65N 91.27W 44–25 3.5
¶14269020
CASC Error ellipse: s-maj=7.0km s-min=5.2km az=-1.0.
ISC XII 14 00 08 26.6–1.1 13.95N–.09 91.11W–.07 86–13 3.6b 21 4-146
ISCJB XII 14 00 08 25.0–1.2 13.98N–.09 91.10W–.07 85–14 3.6b ¶12077360
IDC XII 14 00 08 27.3–2.6 14.02N 91.13W 85–19 3.6s,3.6
NEIC XII 14 00 08 27.5–1.4 14.01N 91.01W 85–14 3.6s,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=10.0km az=28.7.
IDC Error ellipse: s-maj=27.0km s-min=17.7km az=19.0.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=12.8km az=214.0.
ISC XII 16 00 24 18.3–.31 13.63N–.04 90.04W–.03 97–2 4.3b 126 0-147
ISCJB XII 16 00 24 17.2–.31 13.61N–.04 90.05W–.03 103–2 4.3b ¶12077687
NEIC XII 16 00 24 17.0 13.61N 90.08W 81 4.8,4.5b
CASC XII 16 00 24 18.4–1.3 13.58N 90.04W 82–4 4.5b,4.4L
IDC XII 16 00 24 22.4–2.4 13.87N 89.63W 127–19 4.1,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=2.9km az=38.0.
NEIC Event type fe. Felt [III] at San Salvador. After SNET.
CASC Error ellipse: s-maj=4.5km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=22.8km s-min=15.1km az=50.0.
ISC XII 26 04 52 28.5–.54 13.52N–.06 90.44W–.04 66–5 3.7b 80 1-64
ISCJB XII 26 04 52 27.2–.59 13.45N–.05 90.47W–.04 66–5 3.7b ¶12078997
CASC XII 26 04 52 27.9–1.7 13.47N 90.45W 32–4 4.3L,3.8

NEIC XII 26 04 52 29.2–1.0 13.53N 90.38W 66–10 3.8b,3.8
IDC XII 26 04 52 33.5–2.8 13.82N 89.88W 103–26 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=3.9km az=34.1.
CASC Error ellipse: s-maj=4.9km s-min=3.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=8.4km az=222.0.
IDC Error ellipse: s-maj=37.7km s-min=13.6km az=57.0.
ISC XII 26 15 28 15.3–1.3 13.09N–.09 91.08W–.08 42–10 4.0b 46 1-147
IDC XII 26 15 28 12.8–1.4 13.77N 90.41W 0 4.1,4.1b **¶12079067**
CASC XII 26 15 28 12.6–1.1 13.11N 90.99W 0–9 4.0b,3.8
ISCJB XII 26 15 28 14.3–1.3 13.1N–.10 91.05W–.08 52–9 4.0b,3.8
NEIC XII 26 15 28 15.4–3.5 13.50N 90.68W 24–26 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=17.7km az=45.0.
CASC Error ellipse: s-maj=7.7km s-min=7.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=7.9km az=32.3.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=10.1km az=218.0.
CASC XII 30 18 00 12.6–1.4 13.41N 90.45W 28–4 3.6L,3.4
¶14269535
CASC Error ellipse: s-maj=5.2km s-min=3.3km az=-1.0.

(730) Northern East Pacific Rise.

ISC VII 16 10 36 54.0–.40 8.37N–.05 102.86W–.04 35 4.8s,4.8b 498 12-146
IDC VII 16 10 36 48.7–.77 8.49N 102.79W 0 4.7,4.7s **¶11126449**
NEIC VII 16 10 36 49.8–.36 8.29N 102.87W 10 4.9b,4.7s
ISCJB VII 16 10 36 51.5–.39 8.34N–.05 102.88W–.04 33 4.8b,4.8s
GCMT VII 16 10 36 52.9–.20 8.49N 103.04W 12 5.4W,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=14.4km az=62.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=219.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.7km az=34.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 93, comp=165, per= 50. Moment Tensor Solution. s72,c118; s25,c25; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19±.02 $M_{\theta\theta}$0.90±.03; $M_{\phi\phi}$-0.71±.03; $M_{r\theta}$-0.63±.06; $M_{\theta\phi}$-1.21±.02; $M_{\phi r}$0.20±.06; Best double couple: NP1:ϕ_s345.00000°,δ72.00000°,λ9.00000°. NP2:ϕ_s252.00000°,δ82.00000°,λ162.00000°. Principal axes: T 1.7700,Plg19.0000°,Azm207.0000°; N -0.4000,Plg70.0000°,Azm49.0000° ; P -1.3700,Plg7.0000°,Azm300.0000° $M_0$1.60000×10^{17}
ISC VII 16 13 42 20.8–.46 8.45N–.06 102.84W–.06 35 4.5b,4.2s 299 12-146
IDC VII 16 13 42 14.8–.80 8.46N 102.91W 0 4.5,4.3 **¶11126453**
NEIC VII 16 13 42 16.6–.55 8.44N 102.89W 10 4.6b,4.3
ISCJB VII 16 13 42 18.6–.45 8.44N–.06 102.89W–.06 33 4.5b,4.2s
GCMT VII 16 13 42 20.9–.30 8.53N 103.05W 26–1 5.1W,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=15.2km az=58.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.6km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.7km az=139.9.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s37,c43; s79,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.92±.21 $M_{\theta\theta}$2.66±.19; $M_{\phi\phi}$-1.73±.23; $M_{r\theta}$-2.43±.38; $M_{\theta\phi}$-5.00±.16; $M_{\phi r}$0.11±.41; Best double couple: NP1:ϕ_s349.00000°,δ66.00000°,λ-1.00000°. NP2:ϕ_s79.00000°,δ89.00000°,λ-156.00000°. Principal axes: T 6.5300,Plg16.0000° ,Azm211.0000°; N -1.1500,Plg66.0000°,Azm80.0000°; P -5.3700,Plg17.0000° ,Azm306.0000° $M_0$6.00000×10^{16}
IDC VII 16 15 48 31.6–1.4 8.57N 103.06W 0 4.4,4.2
¶11811754
IDC Error ellipse: s-maj=55.7km s-min=18.3km az=57.0.
IDC VII 16 15 49 18.3–1.4 8.82N 102.97W 0 4.4,4.2
¶12698253
IDC Error ellipse: s-maj=60.3km s-min=19.9km az=53.0.
ISC VII 16 15 58 34.7–1.1 8.6N–.10 102.7W–.10 35 3.9b,3.4s 12 11-146
IDC VII 16 15 58 29.4–.98 8.55N 102.63W 0 4.0,3.9 **¶11153434**
NEIC VII 16 15 58 30.9–.90 8.56N 102.65W 10 4.3b,3.9
ISCJB VII 16 15 58 32.7–1.1 8.6N–.10 102.6W–.10 33 3.9b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 26 07 22 50.9–1.1 9.9N–.10 104.22W–.09 10 4.0b,3.8s 18 12-123
ISCJB VII 26 07 22 49.2–1.1 9.9N–.10 104.12W–.09 10 4.0b,3.8s **¶11812641**
IDC VII 26 07 22 50.2–1.3 9.92N 104.05W 0 4.1,3.9
NEIC VII 26 07 22 51.5–1.1 9.99N 104.06W 10 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=12.3km az=169.4.
IDC Error ellipse: s-maj=39.8km s-min=24.3km az=63.0.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=15.9km az=52.0.
ISC IX 21 16 50 54.4–.55 8.62N–.07 103.10W–.07 10 4.5b,4.1s 178 12-145
IDC IX 21 16 50 49.8–.79 8.50N 103.66W 0 4.3,4.1 **¶11282366**
ISCJB IX 21 16 50 52.5–.58 8.62N–.07 103.07W–.08 10 4.5b,4.1s
NEIC IX 21 16 50 53.2–.68 8.56N 103.17W 10 4.6b,4.1s
GCMT IX 21 16 50 55.4–.30 8.46N 103.67W 20–1 4.9W,4.1s
BJI IX 21 16 50 55.1 8.60N 103.20W 10 5.0b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=15.3km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=7.4km az=137.1.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=10.4km az=53.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c36; s64,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.76±.15 $M_{\theta\theta}$1.37±.13; $M_{\phi\phi}$-0.62±.15; $M_{r\theta}$-1.27±.25; $M_{\theta\phi}$-2.78±.11; $M_{\phi r}$0.28±.25; Best double couple: NP1:ϕ_s351.00000°,δ67.00000°,λ-1.00000°. NP2:ϕ_s81.00000°,δ89.00000°,λ-157.00000°. Principal axes: T 3.6600,Plg15.0000° ,Azm214.0000°; N -0.9400,Plg67.0000°,Azm83.0000°; P -2.7200,Plg16.0000° ,Azm308.0000° $M_0$3.20000×10^{16}
ISC IX 22 15 44 13.4–6.9 8.4N–.10 103.6W–.20 22–45 4.3b,4.1s 95 12-145
IDC IX 22 15 44 08.2–.92 8.23N 103.95W 0 4.4,4.2 **¶11284070**
BJI IX 22 15 44 10.4 8.30N 103.60W 20 5.2b,5.0s
NEIC IX 22 15 44 10.5–.59 8.31N 103.62W 10 4.5b,5.0s
ISCJB IX 22 15 44 13.3–.52 8.40N–.06 103.47W–.08 33 4.3b,4.1s
GCMT IX 22 15 44 14.4–.40 8.45N 103.62W 13–2 4.9W,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=51.9km s-min=16.5km az=62.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=8.9km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=7.8km az=151.8.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s19,c20; s57,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.11 $M_{\theta\theta}$0.93±.11; $M_{\phi\phi}$-0.65±.11; $M_{r\theta}$-1.07±.34; $M_{\theta\phi}$-1.96±.11; $M_{\phi r}$0.53±.26; Best double couple: NP1:ϕ_s352.00000°,δ70.00000°,λ11.00000°. NP2:ϕ_s258.00000°,δ80.00000°,λ160.00000°. Principal axes: T 2.7200,Plg22.0000° ,Azm213.0000°; N -0.7300,Plg67.0000°,Azm51.0000°; P -1.9900,Plg6.0000°,Azm306.0000° $M_0$2.40000×10^{16}
IDC IX 22 15 56 56.3–36 7.47N 103.10W 0 3.8,3.6
¶11910837
IDC Error ellipse: s-maj=1202.0km s-min=111.9km az=112.0.
IDC X 22 22 51 48.0–4.8 14.82N 104.67W 0 4.1,3.9
¶11390985
IDC Error ellipse: s-maj=87.1km s-min=55.5km az=9.0.
IDC XI 02 14 54 57.4–7.0 7.26N 102.54W 0 4.0,3.8
¶12071994
IDC Error ellipse: s-maj=195.1km s-min=101.6km az=105.0.
ISC XII 24 12 41 56.9–1.6 10.2N–.20 104.2W–.40 35 4.0b,3.7s 17 11-123
NEIC XII 24 12 41 52.4–.92 10.02N 104.37W 10 4.2b,3.7s **¶12078819**
ISCJB XII 24 12 41 54.4–1.7 10.1N–.20 104.3W–.40 33 4.0b,3.7s
IDC XII 24 12 41 54.5–1.3 10.97N 103.17W 0 4.4,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.8km s-min=11.1km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=62.1km s-min=12.8km az=148.0.
IDC Error ellipse: s-maj=71.1km s-min=19.9km az=57.0.

SEISMIC REGION 6.
Central America.

(72) Honduras.

IDC VII 07 21 16 31.7–2.0 14.50N 88.68W 0 4.1,3.7
¶12698074
IDC Error ellipse: s-maj=52.4km s-min=25.6km az=30.0.
IDC VII 11 22 23 08.8–5.3 15.16N 84.57W 0 4.1,3.7b
¶12698145
IDC Error ellipse: s-maj=148.6km s-min=20.7km az=82.0.
ISC VIII 09 12 09 18.5–1.1 15.19N–.05 88.41W–.05 6–7 3.8b 20 1-51
IDC VIII 09 12 08 44.4–21 10.79N 88.52W 0 4.0,3.7b **¶12580992**
ISCJB VIII 09 12 09 17.1–1.1 15.20N–.05 88.47W–.05 2–7 3.8b,3.7b
CASC VIII 09 12 09 25.7–3.3 14.88N 88.50W 0–16 3.7,3.7b
IDC Error ellipse: s-maj=423.2km s-min=68.2km az=6.0.
ISCJB Error ellipse: s-maj=8.3km s-min=7.4km az=146.1.
CASC Error ellipse: s-maj=18.2km s-min=20.2km az=-1.0.
ISC VIII 09 18 25 51.0–3.0 15.83N–.07 87.6W–.20 16–21 3.6b 25 2-145
IDC VIII 09 18 25 47.2–1.7 16.40N 86.43W 0 4.1,3.7 **¶11908006**
NEIC VIII 09 18 25 48.5–1.7 15.68N 86.75W 40 3.6b,3.7
ISCJB VIII 09 18 25 49.1–2.6 15.89N–.07 87.5W–.20 17–24 3.6b,3.7
CASC VIII 09 18 25 51.3–1.9 15.83N 87.84W 37–29 4.1,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=87.8km s-min=29.1km az=65.0.
NEIC Event type se. Error ellipse: s-maj=57.8km s-min=16.5km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=29.8km s-min=6.9km az=162.0.
CASC Error ellipse: s-maj=9.3km s-min=15.5km az=-1.0.
CASC VIII 27 08 44 51.7–1.5 15.20N 88.59W 33–119 3.7
¶13944497
CASC Error ellipse: s-maj=69.3km s-min=18.4km az=-1.0.
ISC XI 26 15 44 04.3–.78 13.2N–.10 87.6W–.10 196–7 25 0-139
IDC XI 26 15 43 41.4–13 11.89N 88.32W 0 3.7,3.6 **¶12074910**
ISCJB XI 26 15 44 04.0–.78 13.1N–.10 87.6W–.10 197–7 3.7,3.6
CASC XI 26 15 44 03.2–1.7 13.15N 87.57W 201–9 3.8,3.5L
IDC Error ellipse: s-maj=1051.0km s-min=64.9km az=63.0.
ISCJB Error ellipse: s-maj=24.3km s-min=7.5km az=42.6.
CASC Error ellipse: s-maj=11.5km s-min=8.9km az=-1.0.
CASC XII 01 11 46 58.2–3.9 14.55N 88.70W 0–18 3.7
¶14268523
CASC Error ellipse: s-maj=16.9km s-min=26.2km az=-1.0.
ISC XII 09 22 04 16.6–.30 13.15N–.06 87.66W–.05 178–3 3.9b 78 0-139
ISCJB XII 09 22 04 15.6–.30 13.16N–.06 87.66W–.05 184–3 3.9b **¶12076621**
IDC XII 09 22 04 15.4–1.4 13.43N 87.30W 164–17 3.8,3.6
NEIC XII 09 22 04 16.9–.69 13.26N 87.60W 180–7 4.3b,3.6
CASC XII 09 22 04 16.6–2.2 12.96N 87.77W 169–10 4.3,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=3.7km az=38.0.
IDC Error ellipse: s-maj=43.9km s-min=11.5km az=54.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=7.5km az=54.0.
CASC Error ellipse: s-maj=9.2km s-min=5.7km az=-1.0.
ISC XII 12 06 01 43.2–.34 13.11N–.06 87.62W–.06 175–3 3.4b 62 0-139
ISCJB XII 12 06 01 42.3–.34 13.12N–.06 87.62W–.06 181–3 3.4b **¶12077062**
CASC XII 12 06 01 43.9–2.7 12.95N 87.64W 152–18 4.3,3.7b
IDC XII 12 06 01 43.1–1.7 13.07N 87.78W 175–18 3.5,3.3
NEIC XII 12 06 01 43.4–.81 13.10N 87.71W 176–7 3.7b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=4.3km az=40.5.
CASC Error ellipse: s-maj=13.8km s-min=9.7km az=-1.0.
IDC Error ellipse: s-maj=33.2km s-min=17.5km az=34.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=9.9km az=47.0.
ISC XII 17 20 53 56.7–.45 15.71N–.04 88.38W–.04 10 3.9b,3.4s 54 2-147
IDC XII 17 20 53 54.5–.97 15.33N 87.97W 0 4.2,4.0 **¶12077968**
CASC XII 17 20 53 54.1–2.6 15.78N 88.37W 0–10 4.4b,4.3
ISCJB XII 17 20 53 56.2–.46 15.69N–.04 88.37W–.04 10 3.9b,3.4s
NEIC XII 17 20 54 00.5–3.8 15.69N 87.86W 33–28 4.4b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=20.4km az=53.0.
CASC Error ellipse: s-maj=26.1km s-min=8.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.5km az=175.3.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=12.8km az=64.0.
CASC XII 22 08 41 33.1–3.3 15.29N 88.38W 0–18 3.8
¶14269308
CASC Error ellipse: s-maj=35.8km s-min=28.9km az=-1.0.
ISC XII 23 04 48 06.8–.32 13.11N–.06 87.62W–.05 176–3 3.8b 74 0-139
ISCJB XII 23 04 48 06.0–.32 13.12N–.06 87.63W–.05 181–3 3.8b **¶12078625**
IDC XII 23 04 48 05.5–1.4 13.20N 87.45W 163–19 3.6,3.4b
NEIC XII 23 04 48 06.9–.76 13.15N 87.52W 179–7 4.4b,3.4b
CASC XII 23 04 48 10.5–3.0 12.26N 88.15W 26–20 4.4b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=3.7km az=39.7.
IDC Error ellipse: s-maj=33.4km s-min=14.0km az=51.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=9.5km az=50.0.
CASC Error ellipse: s-maj=9.0km s-min=8.3km az=-1.0.

(73) El Salvador.

CASC VII 16 15 42 22.7–1.9 13.35N 89.93W 34–6 3.6
¶13942770
CASC Error ellipse: s-maj=8.3km s-min=4.9km az=-1.0.
ISC VII 18 23 43 38.3–.90 13.4N–.10 89.83W–.05 60–8 4.0b 42 1-147
IDC VII 18 23 43 31.6–1.1 13.84N 89.00W 0 4.0,3.9b **¶11811991**
CASC VII 18 23 43 36.9–1.8 13.29N 89.87W 30–6 3.7,3.4b
ISCJB VII 18 23 43 37.7–.79 13.41N–.10 89.82W–.05 68–6 3.9b,3.4b
NEIC VII 18 23 43 41.7–1.3 13.68N 89.63W 87–13 3.4b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=12.4km az=41.0.
CASC Error ellipse: s-maj=8.1km s-min=3.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=5.1km az=22.3.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=12.0km az=224.0.
CASC VII 20 01 16 48.9–1.1 13.25N 89.60W 44–19 3.5
¶13942779
CASC Error ellipse: s-maj=8.3km s-min=4.0km az=-1.0.
CASC VII 20 05 06 41.9–1.6 13.21N 89.92W 30–4 3.7
¶13942781
CASC Error ellipse: s-maj=5.8km s-min=3.4km az=-1.0.
CASC VII 20 22 46 04.4–1.7 13.23N 89.92W 28–6 3.5
¶13942787
CASC Error ellipse: s-maj=9.1km s-min=4.8km az=-1.0.
ISC VII 26 12 02 54.1–.33 13.43N–.05 89.40W–.04 67–2 4.2b 133 0-147
ISCJB VII 26 12 02 52.7–.36 13.38N–.05 89.43W–.04 74–2 4.2b **¶11812651**
CASC VII 26 12 02 53.3–1.9 13.24N 89.51W 34–4 4.4L,4.2b
IDC VII 26 12 02 54.3–2.2 13.48N 89.36W 82–20 3.9,3.8
NEIC VII 26 12 02 55.0–.90 13.36N 89.33W 92–8 4.4,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=3.2km az=34.5.
CASC Error ellipse: s-maj=4.7km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=31.0km s-min=14.6km az=50.0.
NEIC Event type fe. Error ellipse: s-maj=13.3km s-min=7.7km az=47.0. Felt [II] at San Salvador.
CASC VII 28 21 31 02.8–1.5 13.11N 89.35W 35–999 3.6,3.6L
¶13942823
CASC Error ellipse: s-maj=8.6km s-min=3.5km az=-1.0.
CASC VII 29 11 35 04.2–.94 13.12N 89.38W 47–16 3.7,3.4L
¶13942829
CASC Error ellipse: s-maj=7.3km s-min=3.0km az=-1.0.
CASC VII 29 19 47 24.2–.93 13.04N 89.04W 43–25 3.6,3.2L
¶13942831
CASC Error ellipse: s-maj=8.3km s-min=3.2km az=-1.0.
ISC VIII 06 08 51 23.8–.25 13.06N–.04 88.63W–.03 63–2 4.5b 451 1-148
BJI VIII 06 08 51 21.8 13.00N 88.60W 71 5.3b,4.6s **¶11158576**
ISCJB VIII 06 08 51 22.5–.27 13.01N–.04 88.66W–.03 71–2 4.5b,4.6s
IDC VIII 06 08 51 22.9–.65 13.17N 88.44W 64–5 4.3,4.1
NEIC VIII 06 08 51 23.3–.32 12.96N 88.57W 72 5.1,4.6b
CASC VIII 06 08 51 23.2–5.5 12.98N 88.68W 65–42 4.8L,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=2.5km az=32.7.
IDC Error ellipse: s-maj=23.4km s-min=9.0km az=48.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.1km az=28.0. Felt [III] at San Salvador.
CASC Error ellipse: s-maj=25.4km s-min=12.2km az=-1.0.
CASC VIII 06 23 03 10.7–1.3 13.17N 89.67W 33–3 3.5
¶13942857

CASC Error ellipse: s-maj=4.2km s-min=2.8km az=-1.0.
ISC VIII 08 04 20 17.8–.54 13.06N–.04 89.81W–.03 10 3.3b 43 1-65
ISCJB VIII 08 04 20 16.4–.56 12.99N–.04 89.85W–.03 10 3.3b ¶11907946
IDC VIII 08 04 20 16.1–3.5 12.95N 89.78W 0 3.8,3.6
NEIC VIII 08 04 20 20.5–.91 12.99N 89.76W 35 3.3b,3.6
CASC VIII 08 04 20 20.6–2.0 13.19N 89.77W 31–4 3.8,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.7km az=36.5.
IDC Error ellipse: s-maj=167.3km s-min=16.8km az=36.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=10.6km az=224.0.
CASC Error ellipse: s-maj=5.9km s-min=3.8km az=-1.0.
CASC VIII 09 17 27 43.0–1.3 13.30N 89.96W 34–3 3.6
¶13942869
CASC Error ellipse: s-maj=4.6km s-min=2.6km az=-1.0.
CASC VIII 13 05 16 17.5–.93 13.42N 88.51W 198–7 3.7
¶13942881
CASC Error ellipse: s-maj=7.4km s-min=3.7km az=-1.0.
ISC VIII 15 08 30 02.8–.34 13.21N–.05 89.23W–.03 69–5 4.0b 77 0-148
IDC VIII 15 08 30 01.0–6.8 13.35N 89.03W 62–57 3.9,3.6b ¶11908240
ISCJB VIII 15 08 30 01.5–.36 13.17N–.05 89.24W–.04 76–5 4.0b,3.6b
CASC VIII 15 08 30 02.8 13.15N 89.22W 49 4.5L,4.2b
NEIC VIII 15 08 30 02.7–1.3 13.14N 89.21W 80–10 4.7,4.2b
MEX VIII 15 08 30 06.4–.30 12.82N 89.74W 64–25 4.5,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=74.4km s-min=25.4km az=66.0.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=3.4km az=30.3.
NEIC Event type fe. Error ellipse: s-maj=17.3km s-min=12.1km az=185.0. Felt [III] at San Salvador.
MEX Error ellipse: s-maj=27.8km s-min=24.1km az=-1.0.
CASC VIII 16 03 47 14.3–1.1 13.29N 89.74W 32–3 4.1L,3.8
¶13942954
CASC Error ellipse: s-maj=4.1km s-min=2.5km az=-1.0.
CASC VIII 16 21 53 00.2–1.0 13.69N 89.21W 6–2 3.5,3.1L
¶13942955
CASC Error ellipse: s-maj=7.0km s-min=3.2km az=-1.0.
ISC VIII 29 09 22 09.5–.36 13.05N–.05 89.07W–.03 62–5 3.8b 73 1-148
CASC VIII 29 09 22 07.0–3.0 12.92N 89.14W 13–0 4.6L,4.0 ¶11909067
ISCJB VIII 29 09 22 08.2–.39 13.00N–.05 89.09W–.04 67–5 3.7b,4.0
IDC VIII 29 09 22 08.4–.94 13.22N 88.82W 59–6 3.8,3.6
NEIC VIII 29 09 22 09.1–.66 13.01N 89.04W 61 4.5,4.0b
ISC Event type fe.
CASC Error ellipse: s-maj=5.7km s-min=4.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=3.2km az=33.8.
IDC Error ellipse: s-maj=49.9km s-min=16.4km az=47.0.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=9.5km az=210.0. Felt [II] at San Salvador.
CASC VIII 30 05 16 32.4–1.3 13.27N 89.54W 57–11 3.8,3.3L
¶13944511
CASC Error ellipse: s-maj=6.3km s-min=3.8km az=-1.0.
ISC VIII 30 08 22 58.8–.18 13.47N–.04 88.14W–.04 168–2 4.3b 387 0-140
ISCJB VIII 30 08 22 57.7–.18 13.48N–.05 88.16W–.04 174–2 4.3b ¶11232731
IDC VIII 30 08 22 57.5–.74 13.39N 88.14W 173–7 4.3s,4.3
NEIC VIII 30 08 22 59.1–.72 13.38N 88.14W 186–7 4.5b,4.3
CASC VIII 30 08 22 59.1–2.0 13.25N 88.26W 159–8 4.5b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.4km az=35.2.
IDC Error ellipse: s-maj=20.1km s-min=8.4km az=54.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=225.0.
CASC Error ellipse: s-maj=14.0km s-min=8.0km az=-1.0.
ISC IX 02 05 26 00.6–.42 13.07N–.07 88.94W–.05 61–7 3.4b 59 1-65
IDC IX 02 05 25 53.2–1.2 13.58N 88.15W 0 3.8,3.7 ¶11909260
ISCJB IX 02 05 25 59.4–.45 13.02N–.07 88.95W–.05 68–6 3.4b,3.7
NEIC IX 02 05 26 00.3–2.2 12.93N 88.89W 56–22 4.3,3.9b
CASC IX 02 05 26 00.0–2.1 13.02N 88.98W 31–6 4.1L,3.9b
ISC Event type fe.
IDC Error ellipse: s-maj=76.6km s-min=21.1km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=13.4km s-min=3.6km az=32.0.
NEIC Event type fe. Error ellipse: s-maj=34.9km s-min=12.4km az=206.0. Felt [II] at San Salvador. Also felt at La Libertad.
CASC Error ellipse: s-maj=6.3km s-min=4.5km az=-1.0.
CASC IX 12 07 12 31.4–1.8 13.23N 89.58W 35–8 3.9L,3.7
¶13944549
CASC Error ellipse: s-maj=6.0km s-min=3.1km az=-1.0.
ISC IX 12 13 21 24.4–.51 13.21N–.06 89.53W–.05 73–4 4.3b 283 1-147
CASC IX 12 13 21 18.7–2.0 12.86N 89.94W 24–7 4.3b,4.1 ¶11280314
BJI IX 12 13 21 19.4 13.20N 89.70W 56 5.1s,4.8b
IDC IX 12 13 21 21.9–3.0 13.37N 89.53W 44–26 4.3,4.1
ISCJB IX 12 13 21 22.8–.53 13.12N–.06 89.58W–.05 80–4 4.3b,4.1
NEIC IX 12 13 21 22.3–1.0 13.18N 89.67W 57–9 4.3b,4.1
ISC Event type se.
CASC Error ellipse: s-maj=5.4km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=28.1km s-min=16.6km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=4.4km az=41.5.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=6.2km az=219.0.
CASC IX 23 07 50 55.0–1.3 13.00N 89.03W 38–125 3.8,3.4L
¶13944575
CASC Error ellipse: s-maj=9.6km s-min=4.3km az=-1.0.
CASC IX 23 16 46 18.1–.50 13.02N 89.02W 34–1 3.6
¶13944579
CASC Error ellipse: s-maj=2.5km s-min=1.4km az=-1.0.
ISC IX 27 18 13 42.7–.48 13.16N–.05 89.47W–.04 60–4 4.2b 93 1-148
IDC IX 27 18 13 40.4–.86 13.22N 89.04W 46–6 4.1,3.9 ¶11322331
ISCJB IX 27 18 13 41.1–.52 13.08N–.05 89.51W–.04 66–4 4.1b,3.9
CASC IX 27 18 13 41.0–1.9 13.07N 89.59W 30–6 4.8L,4.2b
NEIC IX 27 18 13 41.7–1.3 13.10N 89.49W 59–10 4.2b,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=10.8km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=3.8km az=31.3.
CASC Error ellipse: s-maj=6.6km s-min=4.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=16.3km s-min=10.0km az=202.0. Felt [IV] at San Salvador. Also felt at Antiguo Cuscatlan.
CASC X 04 23 05 01.2–2.0 13.18N 89.26W 34–11 3.5
¶13944602
CASC Error ellipse: s-maj=14.2km s-min=6.9km az=-1.0.
CASC X 07 01 42 44.4–1.9 13.17N 89.57W 33–4 3.7,3.6L
¶13944605
CASC Error ellipse: s-maj=6.6km s-min=3.3km az=-1.0.
CASC X 15 03 33 55.7–2.7 13.06N 89.01W 35–999 3.6
¶13944630
CASC Error ellipse: s-maj=21.6km s-min=10.1km az=-1.0.
ISC XI 07 03 14 28.3–.26 13.66N–.04 88.80W–.02 10 3.9b 65 0-64
ISCJB XI 07 03 14 27.5–.26 13.66N–.04 88.79W–.02 10 3.9b ¶12072617
CASC XI 07 03 14 27.3–3.1 13.69N 88.80W 6–8 4.1,3.9b
NEIC XI 07 03 14 29.6–.68 13.76N 88.71W 10 3.9b,3.6
IDC XI 07 03 14 32.0–3.0 13.91N 89.09W 0 3.8,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=1.9km az=16.8.
CASC Error ellipse: s-maj=6.5km s-min=3.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=23.0km s-min=9.0km az=39.0. Felt [IV] at San Vicente.
IDC Error ellipse: s-maj=39.7km s-min=34.5km az=157.0.
ISC XI 15 23 03 19.3–.13 13.14N–.02 88.81W–.02 72 5.2b 746 0-174
MEX XI 15 23 03 14.3–.38 12.20N 89.10W 65–51 5.0 ¶13400293
BJI XI 15 23 03 16.5 13.00N 88.90W 49 5.9s,5.8
NEIC XI 15 23 03 16.6–.22 13.05N 88.75W 48 6.0,5.7W
ISCJB XI 15 23 03 17.4–.13 13.13N–.02 88.82W–.02 70 5.2b,5.7W
CASC XI 15 23 03 18.7–2.3 12.99N 89.03W 43–24 5.5L,5.4b
IDC XI 15 23 03 20.1–.55 13.32N 88.53W 74–3 5.2s,5.2
GCMT XI 15 23 03 20.7–.10 12.97N 89.08W 64–1 5.8W,5.2
MOS XI 15 23 03 21.4–1.1 13.32N 88.61W 99 5.3s,5.2b
SZGRF XI 15 23 03 26.6 13.86N 85.41W 33 4.9b,5.2b
ISC Event type fe.
MEX Error ellipse: s-maj=19.6km s-min=19.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.9km az=40.0. Felt [VI] at La Libertad and San Salvador; [V] at Antiguo Cuscatlan and Nueva San Salvador; [IV] at Mejicanos. Also felt at Ayutuxtepeque, Chinameca, Colon, Delgado, Ilopango, Quezaltepeque, San Marcos, Sensuntepeque, Soyapango and Zacatecoluca. Felt [III] at Tegucigalpa, Honduras. Also felt at San Pedro Sula. Felt [II] at Managua, Nicaragua. Felt at Antigua Guatemala, Guatemala and Panajachel, Guatemala. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s114 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.20 $M_{\theta\theta}$0.17 $M_{\phi\phi}$1.03 $M_{r\theta}$4.18 $M_{\theta\phi}$-0.59 $M_{\phi r}$-2.84 Best double couple: NP1:ϕ_s173.00000°,δ9.00000°,λ-43.00000°. NP2:ϕ_s305.00000° ,δ84.00000°,λ-97.00000°. Principal axes: T 5.1200,Plg38.0000°,Azm41.0000° ; N 0.1900,Plg6.0000°,Azm306.0000°; P -5.3000,Plg50.0000°,Azm207.0000° M_o5.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=1.8km az=35.0.
CASC Error ellipse: s-maj=6.2km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=13.4km s-min=7.6km az=67.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=228, per= 50. Moment Tensor Solution. s108,c240; s30,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}0.19±.06 $M_{\theta\theta}$-1.15±.06; $M_{\phi\phi}$0.97±.07; $M_{r\theta}$5.24±.06; $M_{\theta\phi}$0.94±.05; $M_{\phi r}$-3.52±.06; Best double couple: NP1:ϕ_s245.00000°,δ7.00000°,λ30.00000°. NP2:ϕ_s125.00000°,δ87.00000°,λ96.00000°. Principal axes: T 5.8100,Plg48.0000°,Azm42.0000°; N 1.1700,Plg6.0000°,Azm305.0000° ; P -6.9800,Plg41.0000°,Azm210.0000° M_o6.40000×10^{17}
MOS Error ellipse: s-maj=6.9km s-min=4.3km az=98.2.
SZGRF Nicaragua.
CASC XI 15 23 21 07.2–.90 13.06N 89.02W 44–14 3.5,3.5L
¶14201790
CASC Error ellipse: s-maj=5.9km s-min=2.1km az=-1.0.
CASC XI 16 01 07 53.3–1.5 13.09N 88.99W 49–19 3.7,3.6L
¶14201792
CASC Error ellipse: s-maj=10.2km s-min=3.9km az=-1.0.
ISC XI 18 01 38 51.0–.19 13.88N–.06 88.91W–.05 158–2 4.1b 273 0-138
IDC XI 18 01 38 44.6–3.6 13.44N 88.66W 142–19 3.9,3.7b ¶11457621
ISCJB XI 18 01 38 49.9–.19 13.86N–.06 88.93W–.05 164–2 4.1b,3.7b
CASC XI 18 01 38 50.2–2.4 13.76N 88.98W 161–7 4.5b,4.1
NEIC XI 18 01 38 51.3–.64 13.79N 88.90W 179–8 4.5b,4.4
BJI XI 18 01 38 52.5 13.90N 88.70W 183 5.1b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=22.3km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=3.5km az=37.5.
CASC Error ellipse: s-maj=11.8km s-min=7.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.9km az=55.0.
ISC XI 20 17 55 13.6–.36 13.43N–.04 89.93W–.04 80–2 4.5b 513 0-151
CASC XI 20 17 55 07.3–1.7 13.17N 90.44W 24–5 4.8L,4.7b ¶11473122
ISCJB XI 20 17 55 11.7–.39 13.34N–.04 90.01W–.04 82–3 4.5b,4.7b
IDC XI 20 17 55 11.9–1.8 13.61N 89.90W 61–16 4.4,4.3
MOS XI 20 17 55 13.5–1.4 13.55N 89.92W 85 4.6b,4.3
BJI XI 20 17 55 14.0 13.30N 89.90W 91 5.2b,4.3
NEIC XI 20 17 55 14.1–.57 13.39N 89.92W 89–5 5.0,4.7b
ISC Event type fe.
CASC Error ellipse: s-maj=3.9km s-min=3.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=3.1km az=36.5.
IDC Error ellipse: s-maj=22.2km s-min=9.6km az=40.0.
MOS Error ellipse: s-maj=15.0km s-min=6.2km az=111.4.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=3.8km az=53.0. Felt [II] at San Salvador.
CASC XI 21 00 38 03.2–1.4 13.04N 89.01W 32–5 3.6
¶14202923
CASC Error ellipse: s-maj=8.0km s-min=3.5km az=-1.0.
ISC XI 22 00 20 19.8–.47 13.47N–.08 88.30W–.07 186–4 3.8b 41 0-139
ISCJB XI 22 00 20 18.6–.46 13.44N–.07 88.28W–.07 192–4 3.8b ¶12074459
CASC XI 22 00 20 19.3–2.0 13.55N 88.33W 186–20 3.8,3.8L
NEIC XI 22 00 20 21.4–1.1 13.62N 88.20W 196–12 3.8b,3.8L
IDC XI 22 00 20 30.8–17 13.92N 88.39W 276–140 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=6.7km az=39.2.
CASC Error ellipse: s-maj=20.1km s-min=8.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=31.6km s-min=15.4km az=71.0.
IDC Error ellipse: s-maj=119.2km s-min=35.0km az=163.0.
CASC XII 01 09 29 38.9–2.7 13.31N 88.91W 70–17 3.7,3.5L
¶14268522
CASC Error ellipse: s-maj=23.6km s-min=9.9km az=-1.0.
CASC XII 02 06 08 13.7–8.0 13.32N 88.98W 36–65 3.6,3.3L
¶14268564
CASC Error ellipse: s-maj=66.6km s-min=32.1km az=-1.0.
ISC XII 14 18 55 23.3–.76 13.18N–.10 88.96W–.05 60–7 3.4b 47 0-148
ISCJB XII 14 18 55 22.4–.77 13.2N–.10 88.96W–.05 68–6 3.4b ¶12077485
CASC XII 14 18 55 23.3–2.6 13.24N 88.96W 60–14 4.2L,3.8
IDC XII 14 18 55 24.4–2.3 13.23N 88.86W 94–18 3.5,3.3
NEIC XII 14 18 55 24.4–1.3 13.22N 88.86W 91–11 4.1,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.7km s-min=5.0km az=19.5.
CASC Error ellipse: s-maj=21.6km s-min=8.1km az=-1.0.
IDC Error ellipse: s-maj=43.2km s-min=18.8km az=41.0.
NEIC Event type fe. Error ellipse: s-maj=28.4km s-min=12.8km az=49.0. Felt [II] at Zacatecoluca.
ISC XII 18 12 18 07.8–.38 13.08N–.05 88.95W–.04 67–4 3.6b 72 0-138
ISCJB XII 18 12 18 06.6–.39 13.05N–.05 88.95W–.04 74–4 3.6b ¶12078057
CASC XII 18 12 18 07.5–2.5 13.04N 88.98W 57–17 4.1L,4.1b
IDC XII 18 12 18 08.6–2.4 13.28N 88.62W 78–27 3.6,3.5
NEIC XII 18 12 18 08.9–1.1 13.07N 88.80W 88–10 4.2,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=3.7km az=31.5.
CASC Error ellipse: s-maj=9.6km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=49.8km s-min=14.0km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=19.7km s-min=8.5km az=222.0. Felt [II] at San Salvador.

(74) Near coast of Nicaragua.

CASC VII 01 00 31 08.1–2.5 12.13N 87.90W 70–123 3.7,3.6L
¶13942658
CASC Error ellipse: s-maj=37.4km s-min=26.0km az=-1.0.
CASC VII 01 06 01 35.1–2.2 11.49N 86.27W 69–12 3.8,3.1L
¶13942659
CASC Error ellipse: s-maj=6.5km s-min=6.9km az=-1.0.
CASC VII 01 07 43 50.0–1.6 12.48N 87.84W 57–17 3.7
¶13942660
CASC Error ellipse: s-maj=7.3km s-min=5.6km az=-1.0.
CASC VII 01 16 04 57.5–2.1 12.60N 87.98W 70–33 3.6,3.0L
¶13942661
CASC Error ellipse: s-maj=22.5km s-min=16.6km az=-1.0.
ISC VII 04 01 18 55.7–.30 12.46N–.04 87.71W–.04 68–3 4.5b 257 1-152
ISCJB VII 04 01 18 54.5–.30 12.44N–.04 87.73W–.04 77–3 4.5b ¶11009299
IDC VII 04 01 18 54.5–1.2 12.58N 87.56W 61–10 4.2,4.0
BJI VII 04 01 18 54.5 12.50N 87.60W 83 5.0s,5.0b
CASC VII 04 01 18 55.4–2.5 12.45N 87.74W 57–29 4.6L,4.6b
NEIC VII 04 01 18 56.5–.66 12.47N 87.64W 83–6 4.6b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=2.9km az=43.7.
IDC Error ellipse: s-maj=24.1km s-min=9.0km az=53.0.
CASC Error ellipse: s-maj=8.0km s-min=6.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=53.0.
CASC VII 04 11 28 50.6–1.9 12.59N 87.68W 83–23 3.8L,3.6
¶13942669
CASC Error ellipse: s-maj=25.7km s-min=17.3km az=-1.0.
ISC VII 07 20 28 46.4–.90 11.43N–.06 86.97W–.10 46–14 3.8b 41 1-150
IDC VII 07 20 28 41.6–.83 12.33N 86.11W 0 3.9,3.7 ¶11810923
CASC VII 07 20 28 41.0–3.1 11.27N 87.15W 0–17 4.4,4.0b
ISCJB VII 07 20 28 44.5–1.1 11.35N–.06 87.1W–.10 45–15 3.8b,4.0b
NEIC VII 07 20 28 46.2–1.5 11.42N 86.97W 46–15 4.0b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=12.5km az=60.0.
CASC Error ellipse: s-maj=8.3km s-min=20.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=6.0km az=151.6.
NEIC Event type se. Error ellipse: s-maj=32.8km s-min=10.8km az=224.0.
CASC VII 15 17 14 42.6–3.1 11.27N 86.49W 18–12 3.7,3.6L

¶13942767

CASC Error ellipse: s-maj=8.0km s-min=11.7km az=-1.0.
CASC VII 17 17 12 20.9–2.3 12.34N 87.35W 69–22 4.2L,3.8

¶13942771

CASC Error ellipse: s-maj=14.4km s-min=11.0km az=-1.0.
CASC VII 18 12 16 59.1–1.3 12.28N 87.62W 54–21 3.7,3.6L

¶13942775

CASC Error ellipse: s-maj=6.9km s-min=5.8km az=-1.0.
CASC VII 18 13 39 07.6–1.2 12.30N 87.60W 60–43 3.5,3.3L

¶13942776

CASC Error ellipse: s-maj=20.8km s-min=14.6km az=-1.0.
CASC VII 19 10 25 16.4–3.2 11.88N 87.34W 5–17 4.0,2.6L

¶13942778

CASC Error ellipse: s-maj=10.0km s-min=30.4km az=-1.0.
ISC VII 21 01 35 05.3–.24 12.77N–.05 87.27W–.05 169–2 3.9b 88 0-66
ISCJB VII 21 01 35 04.5–.25 12.78N–.05 87.27W–.05 173–2 3.9b ¶11812227
CASC VII 21 01 35 05.6–2.9 11.90N 87.90W 5–7 4.0,3.3L
IDC VII 21 01 35 05.1–1.1 12.78N 87.34W 173–11 3.7,3.5b
NEIC VII 21 01 35 05.5–.59 12.83N 87.31W 170–6 4.0b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=2.9km az=39.8.
CASC Error ellipse: s-maj=6.2km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=8.9km az=44.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=5.8km az=224.0.
ISC VII 23 06 48 28.4–.47 11.48N–.04 86.93W–.04 47–5 3.9b 76 1-150
IDC VII 23 06 48 22.6–.85 11.83N 86.65W 0 4.0,3.9 ¶11812423
ISCJB VII 23 06 48 27.3–.50 11.44N–.04 86.97W–.05 53–5 3.9b,3.9
CASC VII 23 06 48 27.6–3.0 11.48N 86.96W 28–10 4.2,4.2b
NEIC VII 23 06 48 28.8–1.2 11.43N 86.90W 56–11 4.2b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=51.8km s-min=10.9km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=3.6km az=139.7.
CASC Error ellipse: s-maj=6.4km s-min=7.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=9.7km az=224.0.
ISC VII 23 06 50 49.9–.76 11.41N–.06 86.95W–.05 49–11 3.6b 28 1-39
IDC VII 23 06 50 44.8–.98 11.88N 86.56W 0 3.9,3.7 ¶11812424
CASC VII 23 06 50 47.0–3.3 11.49N 87.00W 1–14 3.9,3.9b
ISCJB VII 23 06 50 49.0–.76 11.42N–.07 86.97W–.07 57–10 3.6b,3.9b
NEIC VII 23 06 50 49.7–1.2 11.82N 86.63W 38–14 3.9b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=63.6km s-min=12.0km az=47.0.
CASC Error ellipse: s-maj=8.5km s-min=8.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=5.5km az=43.6.
NEIC Event type se. Error ellipse: s-maj=35.5km s-min=9.5km az=45.0.
CASC VII 25 00 22 21.3–1.6 12.17N 87.35W 54–18 3.6,3.4L

¶13942810

CASC Error ellipse: s-maj=7.5km s-min=6.1km az=-1.0.
ISC VII 26 03 30 45.4–1.1 11.3N–.10 86.4W–.20 75–9 3.5b 34 1-140
IDC VII 26 03 30 39.4–1.4 12.11N 85.75W 0 3.8,3.6 ¶11812627
CASC VII 26 03 30 42.8–2.9 11.15N 86.72W 72–49 4.0,4.0b
ISCJB VII 26 03 30 44.6–1.1 11.3N–.10 86.4W–.20 82–9 3.5b,4.0b
NEIC VII 26 03 30 46.2–1.4 11.84N 85.81W 59–16 4.0b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=171.3km s-min=24.1km az=53.0.
CASC Error ellipse: s-maj=21.0km s-min=32.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=36.9km s-min=6.0km az=147.8.
NEIC Event type se. Error ellipse: s-maj=50.1km s-min=12.9km az=61.0.
CASC VII 26 23 09 24.5–1.3 12.28N 87.52W 42–49 3.6,2.9L

¶13942815

CASC Error ellipse: s-maj=6.5km s-min=5.2km az=-1.0.
ISC VII 27 05 42 29.4–.38 11.43N–.04 86.87W–.04 45–3 4.5s,4.5b 414 2-150
ISCJB VII 27 05 42 28.0–.39 11.44N–.04 86.89W–.04 48–3 4.5s,4.5b ¶11153812
IDC VII 27 05 42 27.6–2.7 11.66N 86.60W 26–18 4.4,4.4s
MOS VII 27 05 42 27.6–1.4 11.41N 86.80W 45 4.8b,4.4s
CASC VII 27 05 42 28.0–2.5 11.40N 86.95W 37–999 4.7b,4.5
NEIC VII 27 05 42 29.4–.35 11.38N 86.84W 49 4.7b,4.5
GCMT VII 27 05 42 29.8–.30 10.98N 87.29W 21–0 5.1W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.2km az=43.1.
IDC Error ellipse: s-maj=26.0km s-min=11.0km az=50.0.
MOS Error ellipse: s-maj=14.5km s-min=5.7km az=108.9.
CASC Error ellipse: s-maj=19.6km s-min=19.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.9km az=221.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c72; s68,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}4.20±.18 $M_{\theta\theta}$-2.85±.12; $M_{\phi\phi}$-1.35±.13; $M_{r\theta}$4.25±.28; $M_{\theta\phi}$2.24±.09; $M_{\phi r}$-2.20±.25; Best double couple: NP1:ϕ_s313.00000°,δ22.00000°,λ102.00000°. NP2:ϕ_s119.00000°,δ69.00000°,λ85.00000°. Principal axes: T 6.3500,Plg66.0000° ,Azm21.0000°; N 0.2100,Plg5.0000°,Azm121.0000°; P -6.5600,Plg24.0000°,Azm213.0000° $M_0$6.50000×10^{16}
CASC VII 27 07 34 38.0–2.2 11.32N 87.02W 45–144 3.9,3.1L

¶13942818

CASC Error ellipse: s-maj=16.9km s-min=15.1km az=-1.0.
CASC VII 27 11 12 46.6–2.4 11.25N 86.86W 28–26 3.8,3.2L

¶13942820

CASC Error ellipse: s-maj=16.7km s-min=10.2km az=-1.0.
CASC VII 29 03 52 48.7–1.6 12.43N 87.83W 54–28 3.8,3.6L

¶13942825

CASC Error ellipse: s-maj=10.5km s-min=7.6km az=-1.0.
CASC VIII 01 13 08 32.5–2.8 11.01N 86.88W 35–22 4.0,3.4L

¶13942837

CASC Error ellipse: s-maj=9.8km s-min=9.2km az=-1.0.
CASC VIII 01 14 38 51.2–1.5 12.46N 87.54W 31–9 3.6L,3.5

¶13942838

CASC Error ellipse: s-maj=5.1km s-min=3.5km az=-1.0.
IDC VIII 01 19 40 49.1–5.3 11.69N 86.78W 0 3.8,3.4

¶15007514

IDC Error ellipse: s-maj=148.7km s-min=92.7km az=49.0.
CASC VIII 07 05 59 12.2–1.5 12.50N 87.73W 75–12 3.6

¶13942859

CASC Error ellipse: s-maj=8.9km s-min=6.3km az=-1.0.
ISC VIII 07 23 41 28.3–.15 12.59N–.03 87.71W–.02 67 4.8b 607 1-148
BJI VIII 07 23 41 25.6 12.60N 87.70W 64 5.2s,5.2b ¶11159965
ISCJB VIII 07 23 41 26.5–.15 12.58N–.03 87.76W–.02 65 4.8b,5.2b
IDC VIII 07 23 41 27.0–.68 12.78N 87.38W 64–5 4.5,4.4
CASC VIII 07 23 41 27.8–2.3 12.51N 87.80W 34–13 5.2L,4.9b
NEIC VIII 07 23 41 27.6–.25 12.57N 87.72W 65 5.6,4.9b
GCMT VIII 07 23 41 28.9–.20 12.47N 87.89W 72–3 5.1W,4.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=1.7km az=32.6.
IDC Error ellipse: s-maj=20.8km s-min=8.1km az=55.0.
CASC Error ellipse: s-maj=5.9km s-min=4.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.6km az=210.0. Felt at Managua. Felt [III] at San Salvador, El Salvador.
GCMT Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s33,c43; s74,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}2.56±.21 $M_{\theta\theta}$-1.72±.18; $M_{\phi\phi}$-0.84±.21; $M_{r\theta}$2.08±.10; $M_{\theta\phi}$2.19±.16; $M_{\phi r}$-3.80±.11; Best double couple: NP1:ϕ_s285.00000°,δ22.00000°,λ48.00000°. NP2:ϕ_s149.00000°,δ74.00000°,λ105.00000°. Principal axes: T 5.0800,Plg59.0000° ,Azm79.0000°; N 0.5200,Plg15.0000°,Azm324.0000°; P -5.5900,Plg27.0000°,Azm227.0000° $M_0$5.30000×10^{16}
ISC VIII 10 12 01 16.4–1.6 11.22N–.05 87.03W–.04 23–11 4.1b 66 1-150
IDC VIII 10 12 01 14.4–1.1 11.88N 86.44W 0 4.1,3.9 ¶11167601
ISCJB VIII 10 12 01 15.9–.83 11.17N–.05 87.11W–.05 34–7 4.1b,3.9
CASC VIII 10 12 01 15.9–1.6 11.16N 87.12W 40–237 4.3b,4.1
NEIC VIII 10 12 01 19.2–1.0 11.29N 86.87W 48–9 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=50.0km s-min=18.5km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.0km az=42.4.
CASC Error ellipse: s-maj=9.8km s-min=10.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.5km az=210.0.
CASC VIII 13 10 03 59.7–3.1 11.12N 86.75W 28–21 3.8,2.8L

¶13942882

CASC Error ellipse: s-maj=12.0km s-min=17.2km az=-1.0.
CASC VIII 15 08 06 04.2–1.3 12.44N 87.99W 46–31 3.9L,3.7

¶13942894

CASC Error ellipse: s-maj=5.7km s-min=3.5km az=-1.0.
ISC VIII 16 11 02 07.8–.19 11.21N–.03 86.52W–.03 37 4.7b,4.1s 434 1-150
ISCJB VIII 16 11 02 05.8–.20 11.18N–.04 86.61W–.03 35 4.7b,4.1s ¶11184372
IDC VIII 16 11 02 06.4–.50 11.38N 86.33W 31–3 4.5,4.5L
NEIC VIII 16 11 02 07.6–.32 11.31N 86.43W 36 4.7b,4.5L
CASC VIII 16 11 02 07.4–2.2 11.11N 86.59W 35–7 4.7b,4.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=1.9km az=36.1.
IDC Error ellipse: s-maj=21.1km s-min=9.8km az=63.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.8km az=223.0.
CASC Error ellipse: s-maj=5.7km s-min=4.9km az=-1.0.
ISC VIII 16 11 04 16.7–.70 11.15N–.06 86.52W–.06 54–5 4.2b 64 1-150
CASC VIII 16 11 04 13.2–2.7 11.07N 86.73W 11–12 4.3b,4.0 ¶11908302
ISCJB VIII 16 11 04 15.2–.76 11.10N–.06 86.60W–.07 59–6 4.2b,4.0
NEIC VIII 16 11 04 16.9–.72 11.31N 86.50W 43 4.3b,4.0
IDC VIII 16 11 04 17.5–3.5 11.41N 86.36W 50–32 4.4L,4.2
ISC Event type se.
CASC Error ellipse: s-maj=8.4km s-min=13.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=5.0km az=140.4.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=7.5km az=221.0.
IDC Error ellipse: s-maj=28.7km s-min=19.2km az=43.0.
CASC VIII 16 22 42 13.4–1.9 12.38N 87.79W 64–32 3.5,3.1L

¶13942956

CASC Error ellipse: s-maj=17.4km s-min=12.5km az=-1.0.
ISC VIII 18 09 16 47.2–.97 11.25N–.03 87.87W–.02 34–7 4.7b,4.0s 608 2-150
IDC VIII 18 09 16 40.1–.70 11.09N 88.05W 0 4.7,4.7 ¶13392001
CASC VIII 18 09 16 43.9–2.8 11.10N 88.11W 35–999 4.8b,4.5L
GCMT VIII 18 09 16 44.3–.30 10.96N 88.23W 12 5.0W,4.5L
ISCJB VIII 18 09 16 45.0–.42 11.17N–.03 87.95W–.02 34–3 4.7b,4.0s
NEIC VIII 18 09 16 46.9–.54 11.11N 87.94W 43–4 4.8b,4.0s
BJI VIII 18 09 16 46.8 11.60N 88.55W 43 5.2s,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=14.5km az=49.0.
CASC Error ellipse: s-maj=10.8km s-min=8.7km az=-1.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s39,c50; s79,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.36±.11 $M_{\theta\theta}$3.32±.10; $M_{\phi\phi}$1.04±.13; $M_{r\theta}$0.41±.36; $M_{\theta\phi}$-1.49±.09; $M_{\phi r}$-0.24±.39; Best double couple: NP1:ϕ_s116.00000°,δ42.00000°,λ-91.00000°. NP2:ϕ_s297.00000°,δ48.00000°,λ-89.00000°. Principal axes: T 4.0800,Plg3.0000° ,Azm26.0000°; N 0.3000,Plg0.0000°,Azm116.0000°; P -4.3900,Plg87.0000°,Azm214.0000° $M_0$4.20000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=2.6km az=34.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.1km az=211.0.
CASC VIII 18 10 17 01.7–1.5 11.33N 87.98W 37–999 3.6,3.1L

¶13942960

CASC Error ellipse: s-maj=20.0km s-min=12.6km az=-1.0.
CASC VIII 18 13 44 59.8–1.2 12.32N 87.80W 36–6 3.7L,3.5

¶13942961

CASC Error ellipse: s-maj=6.1km s-min=5.3km az=-1.0.
CASC VIII 22 01 57 01.6–2.6 11.96N 87.96W 33–28 4.0,3.2L

¶13943987

CASC Error ellipse: s-maj=11.1km s-min=13.1km az=-1.0.
ISC VIII 24 07 32 52.6–.54 12.13N–.06 87.89W–.05 44–5 4.2b,4.0s 117 1-149
IDC VIII 24 07 32 46.0–1.0 12.20N 87.73W 0 4.3,4.0 ¶11227264
CASC VIII 24 07 32 49.0–2.8 11.95N 88.07W 20–17 4.5b,4.2
ISCJB VIII 24 07 32 51.0–.61 12.05N–.06 87.93W–.05 50–5 4.2b,4.0s
NEIC VIII 24 07 32 51.8–.59 12.07N 87.98W 44 4.5b,4.0s
BJI VIII 24 07 32 52.3 12.10N 88.00W 43 5.1s,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=18.9km az=55.0.
CASC Error ellipse: s-maj=8.5km s-min=7.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=4.5km az=40.7.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.8km az=45.0.
CASC VIII 29 02 59 26.8–1.5 12.11N 87.21W 56–67 3.6

¶13944503

CASC Error ellipse: s-maj=29.5km s-min=25.0km az=-1.0.
CASC VIII 30 22 19 11.6–4.0 11.59N 86.95W 0–9 4.1,3.3L

¶13944516

CASC Error ellipse: s-maj=7.4km s-min=13.5km az=-1.0.
CASC IX 02 07 28 13.5–1.9 12.35N 87.38W 56–18 3.5,2.2L

¶13944524

CASC Error ellipse: s-maj=7.3km s-min=5.4km az=-1.0.
CASC IX 02 16 44 28.8–2.2 12.53N 87.86W 35–8 4.0,3.9L

¶13944525

CASC Error ellipse: s-maj=5.9km s-min=5.9km az=-1.0.
CASC IX 02 17 14 20.8–1.7 12.54N 87.88W 54–42 3.6,3.1L

¶13944526

CASC Error ellipse: s-maj=16.8km s-min=11.5km az=-1.0.
CASC IX 05 22 50 15.3–3.0 11.02N 86.28W 0–7 3.5

¶13944538

CASC Error ellipse: s-maj=8.1km s-min=11.9km az=-1.0.
CASC IX 10 01 24 21.9–3.0 11.48N 86.87W 26–9 4.0,3.6L

¶13944544

CASC Error ellipse: s-maj=6.1km s-min=6.0km az=-1.0.
CASC IX 13 16 16 58.5–1.4 12.24N 87.47W 41–117 3.5,3.4L

¶13944555

CASC Error ellipse: s-maj=16.7km s-min=12.8km az=-1.0.
ISC IX 15 20 36 52.0–.51 11.58N–.05 86.94W–.05 55–9 3.8b,2.7s 46 1-150
IDC IX 15 20 36 44.2–2.1 11.26N 87.32W 0 4.1,3.7b ¶11910358
ISCJB IX 15 20 36 51.1–.54 11.57N–.06 86.97W–.06 60–9 3.8b,3.7b
CASC IX 15 20 36 51.6–3.5 11.60N 86.99W 30–11 4.3b,3.9
NEIC IX 15 20 36 52.0–1.1 11.49N 86.96W 59–10 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=94.4km s-min=13.8km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=4.4km az=136.3.
CASC Error ellipse: s-maj=8.0km s-min=8.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=38.9km s-min=10.7km az=221.0.
ISC IX 17 16 51 43.4–.37 12.52N–.05 87.76W–.04 61–9 3.6b 60 1-139
IDC IX 17 16 51 39.1–3.3 12.97N 87.27W 19–25 4.0,3.6 ¶11910493
ISCJB IX 17 16 51 42.4–.37 12.50N–.05 87.76W–.04 68–8 3.6b,3.6
NEIC IX 17 16 51 43.4–1.1 12.53N 87.75W 65–12 3.6b,3.6
CASC IX 17 16 51 43.2–2.3 12.53N 87.77W 51–34 4.1L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=89.9km s-min=13.1km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=3.0km az=35.7.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=10.2km az=50.0.
CASC Error ellipse: s-maj=8.4km s-min=5.2km az=-1.0.
ISC IX 18 21 07 42.5–.29 11.84N–.04 86.22W–.05 100–3 3.8b 63 0-149
ISCJB IX 18 21 07 41.5–.28 11.86N–.04 86.22W–.05 106–3 3.8b ¶11910585
IDC IX 18 21 07 42.8–1.2 11.88N 86.19W 105–19 3.8,3.6
NEIC IX 18 21 07 42.8–.45 11.84N 86.21W 108–6 3.8b,3.6
CASC IX 18 21 07 42.5–2.2 11.73N 86.34W 91–9 4.4L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=3.3km az=138.4.
IDC Error ellipse: s-maj=35.1km s-min=14.4km az=44.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.3km az=46.0.
CASC Error ellipse: s-maj=7.2km s-min=7.4km az=-1.0.
CASC IX 19 22 47 10.3–1.9 12.06N 87.21W 48–30 3.6,3.4L

¶13944563

CASC Error ellipse: s-maj=12.0km s-min=8.1km az=-1.0.
CASC IX 23 03 45 21.9–2.4 11.99N 87.14W 31–10 4.0,2.8L

¶13944574

CASC Error ellipse: s-maj=11.0km s-min=10.6km az=-1.0.
CASC IX 23 08 56 00.7–2.1 11.14N 87.71W 55–138 3.9

¶13944576

CASC Error ellipse: s-maj=14.5km s-min=20.3km az=-1.0.
ISC IX 29 18 32 21.1–.77 11.46N–.06 87.36W–.06 35 33 1-150
IDC IX 29 18 32 17.1–2.6 11.91N 86.84W 0 3.8,3.5b ¶11911378
NEIC IX 29 18 32 18.1–6.9 11.49N 87.35W 6–43 3.8,3.5b

ISCJB IX 29 18 32 19.8–.81 11.39N–.05 87.39W–.06 33 3.8,3.5b
CASC IX 29 18 32 22.3–2.4 11.56N 87.21W 58–77 4.2,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=190.7km s-min=46.6km az=44.0.
NEIC Event type se. Error ellipse: s-maj=41.1km s-min=13.1km az=224.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.5km az=137.3.
CASC Error ellipse: s-maj=18.7km s-min=22.0km az=-1.0.
CASC IX 30 14 11 28.1–2.3 11.96N 86.49W 84–10 3.7,3.6L
¶13944593

CASC Error ellipse: s-maj=8.2km s-min=12.4km az=-1.0.
CASC X 02 11 51 32.4–1.6 12.03N 87.87W 20–11 3.8,2.9L
¶13944597

CASC Error ellipse: s-maj=7.7km s-min=5.6km az=-1.0.
ISC X 10 10 30 29.0–.40 11.02N–.04 86.53W–.03 35–3 4.7b,4.2s 493 1-150
IDC X 10 10 30 23.7–.54 11.25N 86.28W 0 4.6,4.5 **¶11344596**
ISCJB X 10 10 30 27.9–.40 11.00N–.03 86.58W–.03 44–3 4.7b,4.2s
CASC X 10 10 30 27.3–3.0 10.90N 86.67W 41–175 4.9b,4.5
NEIC X 10 10 30 31.5–.89 11.07N 86.45W 61–8 4.9b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=12.7km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.3km az=38.4.
CASC Error ellipse: s-maj=11.4km s-min=12.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.0km az=46.0.
CASC X 11 07 40 14.3–1.6 11.87N 86.93W 52–28 3.8,3.1L
¶13944616

CASC Error ellipse: s-maj=11.0km s-min=8.4km az=-1.0.
ISC X 12 15 06 23.3–.26 11.89N–.04 86.68W–.04 75–4 3.9b 97 0-140
ISCJB X 12 15 06 22.4–.25 11.86N–.04 86.74W–.04 76–5 3.9b **¶12068472**
CASC X 12 15 06 22.9–3.0 11.87N 86.71W 69–14 4.1b,3.9
IDC X 12 15 06 22.3–2.2 12.20N 86.29W 75–34 3.9,3.7
NEIC X 12 15 06 23.6–1.1 11.92N 86.49W 95–10 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=2.4km az=135.3.
CASC Error ellipse: s-maj=7.0km s-min=6.6km az=-1.0.
IDC Error ellipse: s-maj=55.1km s-min=19.1km az=43.0.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=13.2km az=56.0.
CASC X 13 08 14 26.7–.98 12.46N 87.28W 83–11 3.6,3.2L
¶13944620

CASC Error ellipse: s-maj=14.7km s-min=10.3km az=-1.0.
CASC X 13 17 58 44.5–2.2 11.63N 86.64W 113–26 3.7L,3.6
¶13944623

CASC Error ellipse: s-maj=23.5km s-min=30.5km az=-1.0.
CASC X 14 11 36 52.4–1.3 12.38N 87.32W 46–31 3.7,3.7L
¶13944626

CASC Error ellipse: s-maj=6.1km s-min=4.5km az=-1.0.
CASC X 15 06 13 22.7–5.6 11.15N 86.52W 33–47 3.8,2.8L
¶13944631

CASC Error ellipse: s-maj=14.7km s-min=21.8km az=-1.0.
ISC X 18 11 08 18.3–1.6 11.67N–.07 87.32W–.04 30–12 3.2b 26 1-139
IDC X 18 11 08 16.0–1.6 12.19N 86.92W 0 3.9,3.6 **¶12068970**
ISCJB X 18 11 08 17.8–.97 11.66N–.07 87.37W–.05 38–16 3.2b,3.6
CASC X 18 11 08 17.2–1.8 11.66N 87.36W 28–8 3.8,3.3L
IDC Error ellipse: s-maj=134.0km s-min=15.6km az=46.0.
ISCJB Error ellipse: s-maj=12.3km s-min=6.2km az=28.9.
CASC Error ellipse: s-maj=6.8km s-min=4.8km az=-1.0.
ISC X 21 17 27 56.5–.32 12.42N–.04 87.73W–.03 68–3 4.4b 106 1-149
ISCJB X 21 17 27 55.5–.33 12.41N–.04 87.74W–.03 75–3 4.4b **¶12070743**
IDC X 21 17 27 55.9–1.5 12.56N 87.60W 61–13 4.2,4.0
CASC X 21 17 27 56.3–2.4 12.43N 87.76W 56–27 4.6L,4.5b
NEIC X 21 17 27 57.3–.59 12.45N 87.64W 80–6 4.5b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.2km az=34.4.
IDC Error ellipse: s-maj=25.7km s-min=10.1km az=50.0.
CASC Error ellipse: s-maj=8.4km s-min=5.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.1km az=64.0.
CASC X 23 14 36 44.2–4.0 11.53N 87.08W 21–31 4.1,3.5L
¶13940165

CASC Error ellipse: s-maj=19.6km s-min=17.5km az=-1.0.
ISC X 26 17 54 30.6–.80 11.33N–.06 87.07W–.06 40–9 3.7b 54 1-150
IDC X 26 17 54 26.8–1.3 11.63N 86.84W 0 4.1,3.8 **¶12071174**
CASC X 26 17 54 28.5–2.0 11.26N 87.14W 25–12 4.0,4.0b
ISCJB X 26 17 54 29.1–.82 11.27N–.06 87.14W–.06 45–9 3.7b,4.0b
NEIC X 26 17 54 30.8–1.3 11.46N 86.86W 36–12 4.0b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=59.5km s-min=14.9km az=42.0.
CASC Error ellipse: s-maj=6.6km s-min=7.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=5.6km az=41.9.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=9.5km az=223.0.
CASC XI 02 21 00 09.2–1.5 12.12N 87.91W 38–17 3.9,3.6L
¶14201750

CASC Error ellipse: s-maj=9.8km s-min=5.8km az=-1.0.
ISC XI 07 07 34 22.8–.47 11.76N–.04 87.71W–.04 45–5 4.1b 84 1-149
IDC XI 07 07 34 18.3–1.2 12.16N 87.28W 0 4.2,4.1 **¶12072640**
ISCJB XI 07 07 34 21.5–.48 11.73N–.04 87.75W–.04 51–5 4.1b,4.1
CASC XI 07 07 34 22.1–2.0 11.75N 87.75W 35–999 4.5b,4.1
NEIC XI 07 07 34 23.6–1.4 11.82N 87.58W 51–11 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=24.5km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=3.2km az=41.9.
CASC Error ellipse: s-maj=9.4km s-min=7.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=13.2km az=221.0.
CASC XI 08 15 25 32.1–2.6 12.54N 87.83W 45–63 4.1,4.1L
¶14201756

CASC Error ellipse: s-maj=14.7km s-min=10.3km az=-1.0.
CASC XI 11 05 08 01.0–2.8 12.39N 87.12W 127–12 3.9,3.6L
¶14201761

CASC Error ellipse: s-maj=13.4km s-min=9.9km az=-1.0.
CASC XI 12 16 17 42.3–2.0 11.57N 86.57W 87–13 3.8,3.8L
¶14201765

CASC Error ellipse: s-maj=8.4km s-min=9.4km az=-1.0.
ISC XI 14 07 13 27.8–.48 12.34N–.06 87.33W–.07 83–7 3.6b 43 0-139
IDC XI 14 07 13 15.3–4.8 12.52N 86.44W 0 4.0,3.7 **¶12073497**
ISCJB XI 14 07 13 26.8–.50 12.33N–.07 87.34W–.08 88–7 3.6b,3.7
CASC XI 14 07 13 27.6–2.6 12.27N 87.38W 70–20 4.5L,4.2
IDC Error ellipse: s-maj=110.8km s-min=60.2km az=16.0.
ISCJB Error ellipse: s-maj=16.1km s-min=4.3km az=137.8.
CASC Error ellipse: s-maj=10.5km s-min=11.3km az=-1.0.
CASC XI 14 19 06 40.4–2.9 11.88N 86.54W 129–13 3.9,2.7L
¶14201767

CASC Error ellipse: s-maj=11.9km s-min=15.4km az=-1.0.
CASC XI 15 07 43 24.6–1.7 11.80N 87.22W 19–16 3.6,2.5L
¶14201789

CASC Error ellipse: s-maj=8.2km s-min=9.6km az=-1.0.
CASC XI 17 19 20 12.5–1.5 12.76N 87.02W 5–3 4.2L,3.7
¶14201794

CASC Error ellipse: s-maj=3.3km s-min=2.5km az=-1.0.
CASC XI 23 03 30 01.2–1.6 12.19N 87.08W 75–11 3.7,3.5L
¶14202926

CASC Error ellipse: s-maj=6.8km s-min=5.6km az=-1.0.
CASC XI 24 21 52 57.3–1.2 11.52N 86.18W 131–6 3.5,2.9L
¶14202928

CASC Error ellipse: s-maj=9.7km s-min=12.9km az=-1.0.
ISC XI 25 04 53 53.3–.47 12.13N–.05 87.74W–.04 10 4.0b,3.5s 59 1-149
IDC XI 25 04 53 50.8–1.4 12.12N 87.84W 0 4.1,4.0 **¶12074763**
ISCJB XI 25 04 53 51.6–.49 12.07N–.05 87.85W–.04 10 4.0b,3.5s
CASC XI 25 04 53 51.1–4.9 12.63N 87.96W 28–757 4.7,4.3b
NEIC XI 25 04 53 57.4–.87 12.19N 87.62W 47–10 4.7,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=14.1km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.0km az=36.3.
CASC Error ellipse: s-maj=199.9km s-min=443.0km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=20.2km s-min=7.0km az=52.0.
ISC XII 02 13 37 21.2–.39 12.17N–.05 87.18W–.05 65–7 3.6b 55 0-149
ISCJB XII 02 13 37 20.3–.41 12.15N–.06 87.18W–.06 71–7 3.6b **¶12075507**
IDC XII 02 13 37 20.4–1.7 12.31N 87.05W 61–20 3.9,3.5
NEIC XII 02 13 37 21.3–.94 12.14N 87.16W 77–9 3.6b,3.5
CASC XII 02 13 37 21.0–2.1 12.18N 87.17W 61–14 4.1,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=3.3km az=43.6.
IDC Error ellipse: s-maj=93.0km s-min=11.9km az=42.0.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=8.5km az=225.0.
CASC Error ellipse: s-maj=6.5km s-min=5.4km az=-1.0.
CASC XII 10 08 46 02.0–1.4 11.87N 86.43W 109–7 3.7,3.1L
¶14268912

CASC Error ellipse: s-maj=7.2km s-min=10.1km az=-1.0.
CASC XII 10 19 32 01.2–3.5 11.04N 87.26W 25–48 3.7,3.2L
¶14268913

CASC Error ellipse: s-maj=15.6km s-min=29.9km az=-1.0.
ISC XII 12 09 45 20.4–2.9 12.4N–.20 87.8W–.40 94–27 3.8b 12 2-149
IDC XII 12 09 45 12.7–2.0 12.92N 87.47W 0 4.0,3.7b **¶12077097**
NEIC XII 12 09 45 19.8–2.7 12.33N 87.84W 86–25 4.0,3.7b
ISCJB XII 12 09 45 20.7–2.9 12.4N–.30 87.6W–.40 113–25 3.8b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
CASC XII 13 22 15 49.9–2.4 11.22N 86.14W 7–11 3.8
¶14269019

CASC Error ellipse: s-maj=5.1km s-min=6.5km az=-1.0.
CASC XII 17 14 59 08.8–3.1 11.08N 87.59W 65–295 3.7,3.2L
¶14269142

CASC Error ellipse: s-maj=46.4km s-min=57.8km az=-1.0.
ISC XII 18 06 56 33.9–1.2 11.8N–.10 87.57W–.09 56–11 3.7b 40 1-54
CASC XII 18 06 56 27.4–1.9 11.53N 87.83W 8–12 3.9,2.9L **¶12078021**
IDC XII 18 06 56 30.4–1.7 12.38N 87.17W 0 3.9,3.7b
NEIC XII 18 06 56 34.4–1.4 11.84N 87.49W 61–14 3.9,3.7b
ISC Event type se.
CASC Error ellipse: s-maj=8.5km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=56.6km s-min=18.4km az=47.0.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=13.8km az=220.0.
ISC XII 21 20 22 07.8–.69 11.29N–.04 87.89W–.04 35–13 3.5b 55 1-150
IDC XII 21 20 22 05.2–2.3 12.01N 87.35W 0 4.0,3.6 **¶12078489**
ISCJB XII 21 20 22 06.3–.70 11.26N–.04 87.91W–.05 44–12 3.5b,3.6
NEIC XII 21 20 22 06.8–4.5 11.55N 87.66W 25–35 4.1b,3.6
CASC XII 21 20 22 07.2–3.1 11.29N 87.88W 36–999 4.2,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=167.8km s-min=20.7km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.1km az=138.9.
NEIC Event type se. Error ellipse: s-maj=33.2km s-min=11.8km az=222.0.
CASC Error ellipse: s-maj=23.7km s-min=22.6km az=-1.0.
CASC XII 22 12 05 36.5–3.0 11.47N 87.77W 36–43 3.9
¶14269309

CASC Error ellipse: s-maj=27.2km s-min=34.4km az=-1.0.
IDC XII 24 12 18 28.4–4.7 12.80N 87.54W 39–51 3.6,3.4b
¶12078816

IDC Error ellipse: s-maj=106.9km s-min=22.2km az=52.0.
CASC XII 24 16 54 04.8–1.9 11.50N 86.49W 125–13 3.8,3.7L
¶14269383

CASC Error ellipse: s-maj=12.7km s-min=15.0km az=-1.0.
CASC XII 26 06 29 04.6–2.8 12.16N 87.85W 35–999 3.9,3.6L
¶14269436

CASC Error ellipse: s-maj=17.3km s-min=12.9km az=-1.0.
CASC XII 31 18 21 57.1–3.0 12.51N 87.70W 62–39 4.0,3.7L
¶14269549

CASC Error ellipse: s-maj=23.3km s-min=31.8km az=-1.0.

(75) Nicaragua.
CASC VII 13 19 05 52.1–1.6 11.04N 85.76W 94–6 3.6,2.3L
¶13942761

CASC Error ellipse: s-maj=4.9km s-min=6.3km az=-1.0.
CASC VII 21 09 02 11.7–2.2 12.71N 86.93W 0–6 3.8,3.2L
¶13942791

CASC Error ellipse: s-maj=5.4km s-min=3.8km az=-1.0.
CASC VIII 05 07 20 13.9–1.6 11.28N 85.60W 180–7 3.6
¶13942851

CASC Error ellipse: s-maj=9.3km s-min=10.8km az=-1.0.
ISC VIII 10 03 22 33.8–.51 11.2N–.10 85.7W–.10 212–4 3.5b 63 0-85
ISCJB VIII 10 03 22 32.9–.50 11.2N–.10 85.6W–.10 217–4 3.5b **¶11908015**
NEIC VIII 10 03 22 33.6–1.1 10.94N 85.29W 239–13 3.8b
IDC VIII 10 03 22 33.4–.58 11.13N 85.11W 220–11 3.3,3.2
CASC VIII 10 03 22 34.9–1.8 11.20N 85.63W 200–6 3.8b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=6.8km az=140.6.
NEIC Event type se. Error ellipse: s-maj=39.0km s-min=13.9km az=216.0.
IDC Error ellipse: s-maj=38.5km s-min=19.7km az=27.0.
CASC Error ellipse: s-maj=11.3km s-min=13.5km az=-1.0.
ISC VIII 17 02 22 47.4–.50 12.47N–.09 86.97W–.07 120–5 52 0-140
ISCJB VIII 17 02 22 46.6–.45 12.43N–.09 87.00W–.07 123–5 **¶12581139**
CASC VIII 17 02 22 47.1–2.0 12.40N 87.05W 116–7 4.0,3.3L
IDC VIII 17 02 22 56.6–11 12.33N 88.10W 191–90 3.1,2.9
ISCJB Error ellipse: s-maj=17.8km s-min=3.3km az=37.8.
CASC Error ellipse: s-maj=9.5km s-min=7.1km az=-1.0.
IDC Error ellipse: s-maj=193.1km s-min=80.2km az=58.0.
CASC VIII 30 18 22 26.2–2.8 12.26N 86.85W 153–9 4.0,3.8L
¶13944514

CASC Error ellipse: s-maj=9.3km s-min=8.9km az=-1.0.
CASC IX 17 14 36 18.8–2.0 11.28N 85.62W 166–8 3.7,2.1L
¶13944558

CASC Error ellipse: s-maj=4.8km s-min=7.0km az=-1.0.
ISC IX 25 09 32 42.8–.84 11.3N–.10 85.3W–.20 35 3.4b 8 1-68
IDC IX 25 09 32 39.1–13 11.35N 85.32W 0 3.9,3.7 **¶11911006**
NEIC IX 25 09 32 39.9–.78 11.29N 85.32W 10 3.9,3.7
ISCJB IX 25 09 32 41.2–.81 11.4N–.10 85.2W–.20 33 3.4b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
CASC X 10 10 38 35.4–3.3 11.35N 85.62W 168–13 3.6,2.8L
¶13944611

CASC Error ellipse: s-maj=11.0km s-min=15.2km az=-1.0.
CASC X 12 15 18 55.2–1.4 11.29N 85.67W 166–5 3.5,3.3L
¶13944618

CASC Error ellipse: s-maj=4.4km s-min=5.7km az=-1.0.
ISC XI 03 06 12 59.8–1.1 12.0N–.10 86.7W–.20 35 3.2b 11 2-38
IDC XI 03 06 12 54.9–1.8 12.02N 86.75W 0 3.8,3.5 **¶12072080**
ISCJB XI 03 06 12 58.3–1.1 12.0N–.10 86.8W–.20 33 3.2b,3.5
NEIC XI 03 06 13 01.2–4.8 11.68N 86.83W 71–58 3.2b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=187.7km s-min=15.1km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=36.0km s-min=10.5km az=152.9.
NEIC Event type se. Error ellipse: s-maj=168.9km s-min=14.5km az=58.0.
CASC XI 03 10 20 10.3–2.8 12.01N 86.94W 67–19 4.3,3.2L
¶14201751

CASC Error ellipse: s-maj=13.8km s-min=16.2km az=-1.0.
ISC XI 03 16 54 19.3–.36 12.46N–.08 86.77W–.06 133–3 3.6b 70 0-149
IDC XI 03 16 54 18.1–1.5 12.41N 86.75W 135–21 3.6,3.3 **¶12072142**
NEIC XI 03 16 54 19.4–.96 12.42N 86.93W 139–10 4.1b,3.3
CASC XI 03 16 54 19.3–1.7 12.34N 86.89W 126–6 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=80.7km s-min=17.7km az=46.0.
NEIC Event type se. Error ellipse: s-maj=39.1km s-min=11.6km az=55.0.
CASC Error ellipse: s-maj=7.5km s-min=5.7km az=-1.0.
ISC XI 27 23 34 22.7–.39 11.44N–.09 85.8W–.10 184–3 3.7b 66 1-141
ISCJB XI 27 23 34 21.7–.40 11.44N–.09 85.8W–.10 188–3 3.7b **¶12075087**

NEIC XI 27 23 34 22.5–.73 11.52N 85.74W 180–7 4.3b
CASC XI 27 23 34 22.9–2.2 11.35N 85.83W 178–7 4.3b,3.7
IDC XI 27 23 34 22.2–.66 11.55N 85.63W 176–18 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=5.0km az=140.9.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=11.8km az=56.0.
CASC Error ellipse: s-maj=13.6km s-min=17.2km az=-1.0.
IDC Error ellipse: s-maj=34.6km s-min=24.7km az=30.0.
ISC XII 01 11 59 56.1–.38 11.58N–.09 85.9W–.10 162–4 3.9b 61 1-150
ISCJB XII 01 11 59 55.4–.40 11.58N–.09 85.9W–.10 165–4 3.9b **¶12075403**
IDC XII 01 11 59 55.3–.98 11.69N 85.65W 157–22 3.9,3.6b
NEIC XII 01 11 59 55.8–.89 11.48N 85.89W 170–11 3.9,3.6b
CASC XII 01 11 59 56.2–1.3 11.52N 85.93W 157–4 3.7,3.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=4.8km az=138.6.
IDC Error ellipse: s-maj=43.3km s-min=22.3km az=33.0.
NEIC Event type se. Error ellipse: s-maj=32.3km s-min=12.3km az=214.0.
CASC Error ellipse: s-maj=3.8km s-min=4.6km az=-1.0.
ISC XII 03 10 28 46.4–.49 12.43N–.09 86.67W–.08 198–4 3.5b 48 0-140
ISCJB XII 03 10 28 45.7–.51 12.41N–.09 86.69W–.08 201–4 3.5b **¶12075601**
IDC XII 03 10 28 45.4–1.2 12.43N 86.67W 191–15 3.5,3.3b
NEIC XII 03 10 28 46.7–.82 12.30N 86.94W 195–9 3.5,3.3b
CASC XII 03 10 28 47.6–3.2 11.45N 87.57W 0–6 3.9,2.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=5.1km az=40.8.
IDC Error ellipse: s-maj=29.2km s-min=16.2km az=59.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=11.9km az=46.0.
CASC Error ellipse: s-maj=8.7km s-min=5.9km az=-1.0.
CASC XII 25 08 43 48.9–3.0 11.92N 84.73W 0–12 3.6
¶14269420
CASC Error ellipse: s-maj=11.1km s-min=15.7km az=-1.0.

(76) Off coast of central America.

CASC VII 07 22 02 42.4–1.8 12.90N 90.26W 20–11 3.6
¶13942679
CASC Error ellipse: s-maj=10.7km s-min=8.6km az=-1.0.
CASC VII 08 19 00 51.3–1.2 12.85N 88.93W 36–280 3.9,3.2L
¶13942747
CASC Error ellipse: s-maj=10.0km s-min=4.6km az=-1.0.
CASC VII 13 18 57 17.2–1.9 12.78N 88.64W 37–274 3.6,3.4L
¶13942760
CASC Error ellipse: s-maj=11.2km s-min=6.6km az=-1.0.
ISC VII 15 05 11 21.1–.54 12.70N–.07 88.14W–.05 57–9 3.5b 44 1-53
IDC VII 15 05 11 19.5–1.6 13.92N 87.37W 0 4.0,3.7 **¶12698224**
ISCJB VII 15 05 11 20.2–.55 12.71N–.07 88.14W–.06 66–8 3.5b,3.7
CASC VII 15 05 11 20.7–2.0 12.73N 88.13W 58–22 4.0L,3.8
IDC Error ellipse: s-maj=39.6km s-min=17.5km az=31.0.
ISCJB Error ellipse: s-maj=14.9km s-min=3.8km az=34.5.
CASC Error ellipse: s-maj=10.7km s-min=6.2km az=-1.0.
ISC VII 15 11 33 56.7–1.7 12.11N–.06 89.27W–.04 12–12 4.0b 51 2-53
IDC VII 15 11 33 56.7–2.5 12.53N 88.82W 0 4.0,3.8 **¶11811649**
CASC VII 15 11 33 57.4–3.6 12.06N 89.33W 54–242 4.2b,3.9
NEIC VII 15 11 33 59.2–1.5 12.02N 89.17W 46–13 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=54.9km s-min=26.2km az=30.0.
CASC Error ellipse: s-maj=26.4km s-min=16.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=12.6km az=210.0.
ISC VII 16 09 55 37.2–4.2 12.99N–.07 90.22W–.07 9–30 3.6b 42 1-147
CASC VII 16 09 55 33.5–2.1 12.82N 90.41W 0–9 3.7,3.7b **¶11811733**
IDC VII 16 09 55 38.4–4.9 13.22N 89.86W 22–26 4.0L,3.8
NEIC VII 16 09 55 40.2–1.6 12.97N 90.13W 56–15 3.7b,3.8
ISC Event type se.
CASC Error ellipse: s-maj=7.5km s-min=9.2km az=-1.0.
IDC Error ellipse: s-maj=44.3km s-min=20.2km az=38.0.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=13.6km az=211.0.
ISC VII 16 16 13 07.7–2.5 6.50N–.06 84.55W–.08 18–18 3.7b,3.3s 38 3-60
NEIC VII 16 16 13 03.7–1.9 6.52N 83.91W 10 4.1b,3.3s **¶11811757**
ISCJB VII 16 16 13 04.9–2.1 6.48N–.06 84.54W–.08 13–15 3.7b,3.3s
IDC VII 16 16 13 04.2–2.2 6.57N 84.30W 0 4.2L,4.2
CASC VII 16 16 13 10.3–1.8 6.88N 84.69W 0–34 4.2,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=11.3km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=10.2km az=3.9.
IDC Error ellipse: s-maj=83.8km s-min=32.7km az=71.0.
CASC Error ellipse: s-maj=69.2km s-min=15.2km az=-1.0.
CASC VII 20 18 38 49.1–2.2 11.84N 88.83W 38–999 3.9,3.0L
¶13942783
CASC Error ellipse: s-maj=30.1km s-min=14.8km az=-1.0.
CASC VII 21 02 40 36.6–1.1 11.91N 88.32W 20–6 3.8,3.1L
¶13942790
CASC Error ellipse: s-maj=4.9km s-min=6.1km az=-1.0.
CASC VII 24 08 27 24.9–2.2 11.90N 88.03W 0–10 3.8,3.1L
¶13942806
CASC Error ellipse: s-maj=12.7km s-min=9.3km az=-1.0.
CASC VII 25 21 10 21.1–1.0 12.88N 88.63W 45–21 3.7,3.3L
¶13942814
CASC Error ellipse: s-maj=6.1km s-min=3.0km az=-1.0.
CASC VII 28 16 35 24.4–1.7 12.22N 88.16W 89–64 4.1
¶13942822
CASC Error ellipse: s-maj=30.3km s-min=19.9km az=-1.0.
ISC VII 28 21 03 35.2–.43 12.30N–.04 88.07W–.04 45–4 4.2b,3.1s 81 1-149
ISCJB VII 28 21 03 34.0–.46 12.25N–.04 88.10W–.04 55–4 4.2b,3.1s **¶11812806**
CASC VII 28 21 03 33.6–2.0 12.18N 88.19W 55–100 4.4b,4.1
IDC VII 28 21 03 34.9–2.7 12.34N 87.96W 43–24 4.2,4.0
NEIC VII 28 21 03 35.2–.77 12.33N 87.95W 48–8 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=3.7km az=43.8.
CASC Error ellipse: s-maj=18.3km s-min=11.7km az=-1.0.
IDC Error ellipse: s-maj=31.2km s-min=22.9km az=50.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.1km az=68.0.
CASC VII 29 05 47 18.0–3.1 11.73N 88.51W 36–999 3.8,3.5L
¶13942827
CASC Error ellipse: s-maj=29.5km s-min=17.7km az=-1.0.
ISC VII 29 16 55 12.9–.82 11.95N–.06 88.25W–.06 49–11 4.0b 35 1-149
IDC VII 29 16 55 10.1–2.0 12.62N 87.73W 0 3.9,3.8b **¶11812857**
ISCJB VII 29 16 55 11.4–.86 11.91N–.06 88.30W–.06 43–12 4.0b,3.8b
NEIC VII 29 16 55 11.4–1.6 11.90N 88.04W 38–16 4.2b,3.8b
CASC VII 29 16 55 11.3–2.3 12.08N 88.24W 8–20 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=64.5km s-min=27.4km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=5.5km az=138.4.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=13.8km az=218.0.
CASC Error ellipse: s-maj=9.1km s-min=10.7km az=-1.0.
ISC VII 30 03 25 39.3–2.5 2.8N–.20 84.0W–.30 51–24 3.8b,3.3s 16 6-76
IDC VII 30 03 25 31.5–1.5 2.49N 84.37W 0 4.1,3.9 **¶11812896**
ISCJB VII 30 03 25 37.9–2.8 2.9N–.20 83.9W–.20 54–26 3.8b,3.3s
NEIC VII 30 03 25 37.5–2.3 2.56N 84.21W 43–20 3.9b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=95.1km s-min=23.8km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=46.0km s-min=10.8km az=149.3.
NEIC Event type se. Error ellipse: s-maj=46.5km s-min=8.5km az=51.0.
ISC VII 31 06 31 49.4–.19 12.74N–.03 88.20W–.03 57 5.1b,4.2s 639 1-157
IDC VII 31 06 31 47.4–.69 12.94N 87.75W 46–5 4.6,4.4 **¶11154023**
ISCJB VII 31 06 31 47.5–.20 12.72N–.03 88.27W–.02 55 5.1b,4.2s
CASC VII 31 06 31 47.9–2.4 12.69N 88.31W 58–39 5.1b,4.8L
BJI VII 31 06 31 48.0 12.70N 88.20W 50 5.1b,5.0s
NEIC VII 31 06 31 49.0–.26 12.69N 88.20W 59 5.6,5.1b
GCMT VII 31 06 31 50.5–.40 12.60N 88.56W 48–1 4.9W,5.1b
MOS VII 31 06 31 50.2–1.1 12.77N 88.14W 84 5.0b,5.1b
ISC Event type fe.
IDC Error ellipse: s-maj=25.2km s-min=12.3km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.1km az=32.1.
CASC Error ellipse: s-maj=14.0km s-min=7.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=213.0. Felt [V] at San Salvador. Also felt at Antiguo Cuscatlan.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s37,c52; s40,c57; Moment tensor: Scale 10^{16}Nm; M_{rr}2.66±.17 $M_{\theta\theta}$-2.51±.12; $M_{\phi\phi}$-0.16±.14; $M_{r\theta}$0.94±.11; $M_{\theta\phi}$1.66±.10; $M_{\phi r}$-0.45±.13; Best double couple: NP1:ϕ_s298.00000°,δ36.00000°,λ91.00000°. NP2:ϕ_s117.00000°,δ54.00000°,λ89.00000°. Principal axes: T 2.8300,Plg80.0000° ,Azm22.0000°; N 0.7000,Plg1.0000°,Azm117.0000°; P -3.5400,Plg9.0000°,Azm207.0000° $M_0$3.20000×10^{16}
MOS Error ellipse: s-maj=13.1km s-min=5.1km az=110.2.
CASC VII 31 21 59 14.2–1.1 12.76N 88.59W 39–134 3.6,2.9L
¶13942835
CASC Error ellipse: s-maj=13.0km s-min=6.9km az=-1.0.
CASC VIII 01 19 41 25.6–3.3 11.87N 88.44W 0–9 3.9,3.3L
¶12580892
CASC Error ellipse: s-maj=11.3km s-min=11.9km az=-1.0.
ISC VIII 05 20 03 25.5–.48 12.77N–.06 88.65W–.05 61–11 3.6b 42 1-148
IDC VIII 05 20 03 20.1–1.5 13.44N 88.02W 0 3.9,3.6 **¶12580935**
ISCJB VIII 05 20 03 24.2–.51 12.75N–.07 88.68W–.06 69–10 3.6b,3.6
CASC VIII 05 20 03 25.1–2.0 12.73N 88.67W 36–999 3.9,3.9L
IDC Error ellipse: s-maj=83.8km s-min=16.4km az=48.0.
ISCJB Error ellipse: s-maj=14.3km s-min=4.3km az=36.2.
CASC Error ellipse: s-maj=12.2km s-min=7.3km az=-1.0.
ISC VIII 06 19 36 50.2–.75 12.08N–.07 88.21W–.07 47–8 4.2b 37 1-149
IDC VIII 06 19 36 45.3–1.5 12.26N 88.12W 0 4.1,4.0b **¶11907830**
CASC VIII 06 19 36 47.5–3.6 12.08N 88.38W 8–20 4.4b,3.9
ISCJB VIII 06 19 36 48.5–.84 12.00N–.08 88.29W–.07 52–8 4.2b,3.9
NEIC VIII 06 19 36 51.5–1.4 12.16N 88.17W 53–13 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=40.3km s-min=24.8km az=41.0.
CASC Error ellipse: s-maj=10.7km s-min=11.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=4.7km az=40.9.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=13.6km az=223.0.
CASC VIII 07 16 49 10.6–.81 12.83N 88.70W 34–9 3.5
¶13942862
CASC Error ellipse: s-maj=5.4km s-min=1.7km az=-1.0.
ISC VIII 08 10 58 03.2–.29 12.96N–.04 88.62W–.03 59–2 4.3b,3.6s 264 1-148
ISCJB VIII 08 10 58 01.9–.30 12.92N–.04 88.65W–.03 67–2 4.3b,3.6s **¶11159994**
CASC VIII 08 10 58 02.5–2.5 12.87N 88.69W 44–47 4.4b,4.3
BJI VIII 08 10 58 03.4 12.90N 88.60W 85 4.8s,4.8b
IDC VIII 08 10 58 03.9–1.5 13.09N 88.49W 78–14 4.0,3.9
NEIC VIII 08 10 58 04.4–.96 12.87N 88.58W 85–8 4.5,4.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=2.6km az=36.9.
CASC Error ellipse: s-maj=9.7km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=25.9km s-min=9.1km az=50.0.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=6.3km az=47.0. Felt [II] at Usulutan.
ISC VIII 08 14 12 30.2–.56 12.75N–.05 88.88W–.04 61–6 3.8b 51 1-65
ISCJB VIII 08 14 12 29.0–.57 12.72N–.05 88.89W–.04 67–6 3.8b **¶11907966**
CASC VIII 08 14 12 29.6–2.1 12.72N 88.93W 36–6 4.3L,4.0
NEIC VIII 08 14 12 32.7–1.1 12.87N 88.71W 84–9 4.0b,4.0
IDC VIII 08 14 12 32.1–1.9 12.97N 88.59W 70–24 3.8,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.0km az=30.7.
CASC Error ellipse: s-maj=5.8km s-min=3.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=11.1km az=213.0.
IDC Error ellipse: s-maj=39.0km s-min=13.5km az=35.0.
CASC VIII 09 12 41 14.8–1.1 12.62N 88.85W 36–398 3.7,3.2L
¶13942867
CASC Error ellipse: s-maj=8.2km s-min=3.8km az=-1.0.
CASC VIII 11 01 49 13.6–1.0 12.58N 88.32W 36–999 3.5,3.3L
¶13942875
CASC Error ellipse: s-maj=5.1km s-min=3.1km az=-1.0.
ISC VIII 11 04 50 06.7–.69 12.22N–.07 88.38W–.06 39–8 3.9b,3.1s 50 1-66
IDC VIII 11 04 50 02.9–2.4 12.54N 88.19W 0 3.9,3.7b **¶11908068**
ISCJB VIII 11 04 50 04.7–.68 12.10N–.05 88.46W–.05 42–7 3.9b,3.1s
CASC VIII 11 04 50 04.9–2.3 12.21N 88.43W 19–9 4.3,4.2b
NEIC VIII 11 04 50 07.0–1.6 12.24N 88.31W 42–15 4.2b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=56.9km s-min=27.9km az=35.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=4.4km az=38.9.
CASC Error ellipse: s-maj=7.2km s-min=6.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=14.8km az=212.0.
CASC VIII 11 18 00 13.9–3.3 12.40N 88.79W 0–7 4.0
¶13942877
CASC Error ellipse: s-maj=7.5km s-min=6.9km az=-1.0.
CASC VIII 12 00 37 11.7–1.6 11.86N 88.53W 37–999 3.8,2.2L
¶13942878
CASC Error ellipse: s-maj=36.2km s-min=19.9km az=-1.0.
CASC VIII 13 14 05 07.0–1.3 11.83N 88.31W 23–22 3.7,3.0L
¶13942883
CASC Error ellipse: s-maj=11.0km s-min=8.1km az=-1.0.
CASC VIII 14 07 18 32.5–2.7 12.58N 88.26W 74–171 3.5,2.7L
¶13942885
CASC Error ellipse: s-maj=98.4km s-min=50.3km az=-1.0.
CASC VIII 15 03 11 10.5–1.3 12.01N 88.38W 10–12 3.7
¶13942890
CASC Error ellipse: s-maj=5.8km s-min=7.5km az=-1.0.
CASC VIII 15 07 49 03.0–.73 12.54N 88.19W 35–10 3.5
¶13942893
CASC Error ellipse: s-maj=4.8km s-min=4.9km az=-1.0.
ISC VIII 21 16 13 02.6–.34 12.93N–.04 88.95W–.03 45–3 4.3b,3.7s 253 1-148
ISCJB VIII 21 16 13 01.5–.38 12.90N–.04 88.97W–.03 55–3 4.3b,3.7s **¶11180603**
IDC VIII 21 16 13 01.4–2.5 13.13N 88.73W 41–19 4.2,4.0
MEX VIII 21 16 13 01.0–.77 12.31N 89.41W 33–999 4.7,4.0
CASC VIII 21 16 13 02.2–2.7 12.92N 88.97W 34–21 4.6L,4.5b
NEIC VIII 21 16 13 03.2–.76 12.90N 88.91W 66–7 4.8,4.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=3.0km az=36.6.
IDC Error ellipse: s-maj=29.8km s-min=18.0km az=41.0.
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CASC Error ellipse: s-maj=8.1km s-min=6.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=6.9km az=206.0. Felt [III] at San Salvador.
CASC VIII 22 11 16 32.7–1.6 12.41N 88.25W 36–999 4.0,4.0L
¶13943990
CASC Error ellipse: s-maj=16.2km s-min=10.3km az=-1.0.
ISC VIII 24 08 59 59.6–.36 12.74N–.04 88.59W–.03 51–3 3.8b,3.1s 126 1-148
IDC VIII 24 08 59 51.7–1.1 13.19N 87.80W 0 4.1,3.9 **¶11908689**
ISCJB VIII 24 08 59 58.1–.39 12.69N–.04 88.62W–.03 57–3 3.8b,3.1s
CASC VIII 24 08 59 58.7–1.9 12.71N 88.63W 43–90 4.4,4.3L
NEIC VIII 24 09 00 01.3–1.2 12.84N 88.46W 79–8 4.2,4.1b
MEX VIII 24 09 00 06.2–2.1 11.03N 92.08W 20–999 4.6,4.1b
ISC Event type fe.
IDC Error ellipse: s-maj=57.9km s-min=20.5km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=2.9km az=37.5.
CASC Error ellipse: s-maj=11.2km s-min=6.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=14.3km s-min=11.3km az=190.0. Felt [II] at San Salvador.
MEX Error ellipse: s-maj=838.7km s-min=258.0km az=-1.0.
CASC VIII 25 13 27 22.8–2.0 12.45N 88.22W 34–92 3.7
¶13944001
CASC Error ellipse: s-maj=65.4km s-min=13.2km az=-1.0.
CASC VIII 26 04 40 58.3–1.4 12.55N 90.04W 22–0 4.0
¶13944003
CASC Error ellipse: s-maj=6.6km s-min=5.7km az=-1.0.
CASC VIII 26 11 46 05.0–1.1 12.57N 88.32W 36–716 3.8,3.8L
¶13944004
CASC Error ellipse: s-maj=7.4km s-min=4.0km az=-1.0.
CASC VIII 27 06 23 53.0–2.8 11.31N 88.12W 35–38 4.0,3.5L
¶13944496
CASC Error ellipse: s-maj=10.7km s-min=16.5km az=-1.0.

ISC VIII 27 11 53 38.1–.50 12.16N–.05 88.12W–.04 37–4 4.4b,3.2s 241 1-149
IDC VIII 27 11 53 33.2–.73 12.63N 87.62W 0 4.4,4.2 **¶11222353**
CASC VIII 27 11 53 35.9–3.4 11.96N 88.27W 33–25 4.5,4.5b
ISCJB VIII 27 11 53 36.6–.52 12.09N–.05 88.16W–.04 45–4 4.4b,3.2s
NEIC VIII 27 11 53 43.0–.94 12.39N 87.80W 81–10 4.5b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=16.2km az=60.0.
CASC Error ellipse: s-maj=9.8km s-min=9.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=3.7km az=37.7.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.3km az=68.0.
ISC VIII 27 18 05 09.9–1.0 11.94N–.08 88.29W–.07 40–13 3.9b 29 1-149
IDC VIII 27 18 05 07.0–1.4 12.22N 88.24W 0 4.1,3.9b **¶11908941**
NEIC VIII 27 18 05 07.8–.70 12.09N 88.37W 10 4.2b,3.9b
CASC VIII 27 18 05 08.7–2.3 12.00N 88.26W 16–11 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=60.9km s-min=23.5km az=52.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=9.7km az=46.0.
CASC Error ellipse: s-maj=8.7km s-min=8.7km az=-1.0.
CASC VIII 29 22 25 07.4–1.2 12.80N 89.09W 42–4 3.6,3.3L
¶13944509
CASC Error ellipse: s-maj=4.6km s-min=3.4km az=-1.0.
ISC VIII 30 12 52 42.0–.55 12.93N–.05 89.15W–.03 48–5 4.0b 69 1-148
IDC VIII 30 12 52 36.7–1.3 13.66N 88.33W 0 4.1,4.0L **¶11909116**
CASC VIII 30 12 52 40.7–1.8 12.91N 89.15W 24–6 4.2L,4.1b
ISCJB VIII 30 12 52 41.1–.55 12.93N–.05 89.14W–.04 58–5 4.0b,4.1b
NEIC VIII 30 12 52 44.4–.83 13.10N 89.03W 67–8 4.5,4.1b
ISC Event type fe.
IDC Error ellipse: s-maj=76.8km s-min=21.9km az=49.0.
CASC Error ellipse: s-maj=5.1km s-min=3.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=3.9km az=27.4.
NEIC Event type fe. Error ellipse: s-maj=14.3km s-min=8.2km az=207.0. Felt [III] at San Salvador.
CASC VIII 30 16 43 53.5–1.4 12.58N 88.28W 38–148 3.8,3.6L
¶13944513
CASC Error ellipse: s-maj=9.1km s-min=4.7km az=-1.0.
CASC VIII 30 19 31 16.7–1.2 12.87N 89.44W 21–5 3.7,3.2L
¶13944515
CASC Error ellipse: s-maj=5.3km s-min=3.0km az=-1.0.
ISC IX 02 04 24 42.8–1.7 12.72N–.06 90.28W–.04 5–9 3.9b 32 1-46
IDC IX 02 04 24 39.0–9.1 12.52N 89.88W 0 3.9,3.6b **¶11909257**
ISCJB IX 02 04 24 43.1–1.8 12.67N–.06 90.34W–.05 21–12 3.9b,3.6b
CASC IX 02 04 24 44.0–1.7 12.75N 90.29W 14–9 3.7,3.6b
NEIC IX 02 04 24 48.7–1.3 13.02N 90.09W 35 3.7,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=158.9km s-min=42.3km az=178.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.5km az=14.6.
CASC Error ellipse: s-maj=6.5km s-min=5.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=10.8km az=207.0.
CASC IX 05 17 26 13.8–2.4 12.83N 88.02W 71–16 3.9,2.6L
¶13944537
CASC Error ellipse: s-maj=10.0km s-min=5.3km az=-1.0.
ISC IX 08 06 49 04.3–.55 12.22N–.06 88.09W–.05 42–4 4.1b 106 1-149
IDC IX 08 06 48 58.1–1.1 12.40N 87.84W 0 4.2,4.0 **¶11909800**
CASC IX 08 06 49 01.4–2.2 12.09N 88.25W 22–23 4.4b,4.0
ISCJB IX 08 06 49 02.9–.60 12.15N–.06 88.14W–.05 48–4 4.1b,4.0
NEIC IX 08 06 49 04.7–1.2 12.16N 88.03W 60–10 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=17.3km az=46.0.
CASC Error ellipse: s-maj=7.9km s-min=6.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=3.9km az=40.3.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.2km az=223.0.
ISC IX 08 08 39 02.6–1.4 12.02N–.04 88.26W–.03 3–9 4.1b,3.6s 107 1-149
IDC IX 08 08 39 02.4–.91 12.53N 87.73W 0 4.2,3.9 **¶11909807**
CASC IX 08 08 39 02.8–2.5 11.97N 88.34W 8–11 4.2b,4.0
NEIC IX 08 08 39 08.1–1.5 12.22N 88.06W 46–13 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=17.9km az=56.0.
CASC Error ellipse: s-maj=7.4km s-min=5.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=10.2km az=46.0.
ISC IX 10 06 40 11.5–.56 12.85N–.08 88.74W–.05 63–11 3.3b 39 1-53
IDC IX 10 06 39 48.4–3.9 10.88N 88.60W 0 3.8,3.5 **¶11909939**
ISCJB IX 10 06 40 10.4–.56 12.84N–.08 88.75W–.06 71–10 3.3b,3.5
CASC IX 10 06 40 11.0–1.7 12.85N 88.76W 59–31 3.9,3.6L
IDC Error ellipse: s-maj=120.2km s-min=63.0km az=48.0.
ISCJB Error ellipse: s-maj=16.0km s-min=4.2km az=31.4.
CASC Error ellipse: s-maj=14.3km s-min=7.0km az=-1.0.
CASC IX 12 18 05 00.8–1.3 12.44N 88.17W 41–99 3.5,3.1L
¶13944550
CASC Error ellipse: s-maj=9.4km s-min=5.7km az=-1.0.
CASC IX 12 18 15 35.3–1.9 12.53N 88.13W 37–8 3.6,2.7L
¶13944551
CASC Error ellipse: s-maj=5.9km s-min=5.1km az=-1.0.
ISC IX 13 13 44 20.1–1.9 12.80N–.08 90.27W–.05 4–10 3.7b 26 1-148
IDC IX 13 13 44 18.8–5.2 13.63N 88.94W 0 4.0,3.7 **¶11910184**
CASC IX 13 13 44 21.6–1.4 12.84N 90.28W 13–13 3.8,3.3L
IDC Error ellipse: s-maj=268.8km s-min=65.3km az=38.0.
CASC Error ellipse: s-maj=5.3km s-min=4.0km az=-1.0.
CASC IX 16 14 42 16.5–1.8 12.80N 88.91W 36–999 3.9,3.7L
¶13944557
CASC Error ellipse: s-maj=11.9km s-min=6.2km az=-1.0.
CASC IX 19 06 20 06.9–1.6 12.92N 89.06W 35–999 3.7,3.7L
¶13944559
CASC Error ellipse: s-maj=10.9km s-min=4.6km az=-1.0.
CASC IX 20 20 55 02.5–1.4 11.61N 88.46W 35–22 3.7,3.4L
¶13944565
CASC Error ellipse: s-maj=13.0km s-min=5.9km az=-1.0.
CASC IX 21 18 32 30.9–2.4 12.77N 88.45W 24–14 3.6,3.1L
¶13944570
CASC Error ellipse: s-maj=12.5km s-min=7.0km az=-1.0.
CASC IX 26 15 55 08.9–1.1 12.08N 88.23W 28–11 4.0,3.4L
¶13944584
CASC Error ellipse: s-maj=6.0km s-min=3.7km az=-1.0.
CASC X 14 04 20 25.4–2.1 12.75N 88.82W 36–557 4.0,3.9L
¶13944625
CASC Error ellipse: s-maj=8.0km s-min=4.2km az=-1.0.
ISC X 16 05 26 51.7–1.4 12.77N–.05 90.25W–.04 4–7 3.8b 47 1-53
ISCJB X 16 05 26 51.9–1.7 12.71N–.06 90.27W–.04 18–12 3.8b **¶12068737**
CASC X 16 05 26 52.8–1.6 12.79N 90.28W 15–6 3.9,3.8L
IDC X 16 05 26 54.6–2.6 13.61N 89.62W 0 4.0,3.7
NEIC X 16 05 26 56.3–1.4 12.89N 90.22W 35 4.0,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=5.4km az=30.3.
CASC Error ellipse: s-maj=4.4km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=107.9km s-min=27.2km az=36.0.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=11.8km az=210.0.
ISC X 16 06 22 07.0–2.3 12.25N–.09 88.53W–.05 25–18 3.6b 40 1-149
IDC X 16 06 22 04.4–1.3 12.54N 88.32W 0 4.0,3.8 **¶12068739**
CASC X 16 06 22 04.4–1.9 11.98N 88.70W 39–955 4.1b,3.5L
ISCJB X 16 06 22 06.0–1.1 12.15N–.09 88.60W–.06 38–11 3.6b,3.5L
NEIC X 16 06 22 09.5–1.3 12.35N 88.48W 43–13 4.1b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=50.2km s-min=18.5km az=48.0.
CASC Error ellipse: s-maj=25.5km s-min=17.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=6.2km az=30.4.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=10.8km az=224.0.
ISC X 19 17 51 59.4–2.3 11.99N–.07 88.97W–.07 20–20 3.8b 49 2-149
IDC X 19 17 51 55.3–2.1 11.77N 89.11W 0 4.2,3.9 **¶12069060**
NEIC X 19 17 51 57.5–1.2 11.95N 89.00W 10 4.2,3.9
ISCJB X 19 17 51 59.1–1.3 11.92N–.08 89.00W–.09 33–15 3.8b,3.9
CASC X 19 17 51 59.7–1.8 11.94N 89.02W 36–999 4.0,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=69.5km s-min=23.0km az=33.0.
NEIC Event type se. Error ellipse: s-maj=29.3km s-min=15.3km az=208.0.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=4.6km az=137.1.
CASC Error ellipse: s-maj=17.9km s-min=9.6km az=-1.0.
CASC X 22 00 30 53.5–2.5 12.20N 88.85W 37–21 3.9,2.9L
¶13944636
CASC Error ellipse: s-maj=11.2km s-min=10.2km az=-1.0.
ISC X 22 06 03 36.3–.38 12.66N–.03 89.14W–.03 45–3 4.6b,3.9s 409 1-148
IDC X 22 06 03 29.3–.59 12.78N 88.82W 0 4.6,4.4 **¶11360966**
ISCJB X 22 06 03 34.8–.40 12.61N–.03 89.17W–.03 53–3 4.6b,3.9s
CASC X 22 06 03 34.9–2.9 12.68N 89.20W 26–9 4.8b,4.0
NEIC X 22 06 03 35.1–.71 12.54N 89.28W 45–6 4.8b,4.0
BJI X 22 06 03 38.1 12.70N 89.10W 79 5.3s,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=13.5km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.0km az=44.6.
CASC Error ellipse: s-maj=5.2km s-min=5.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.2km az=222.0.
ISC X 23 00 27 41.8–.78 12.39N–.09 89.37W–.09 35 4.0b,3.6s 23 3-62
IDC X 23 00 27 37.1–1.6 12.14N 89.63W 0 3.9,3.7 **¶12070852**
ISCJB X 23 00 27 39.6–.79 12.37N–.09 89.38W–.09 33 4.0b,3.6s
NEIC X 23 00 27 41.6–.75 12.34N 89.41W 35 4.0b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=59.3km s-min=21.1km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=7.7km az=44.4.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.6km az=224.0.
CASC X 23 23 35 17.7–2.5 12.37N 89.27W 35–999 4.0,3.7L
¶13940167
CASC Error ellipse: s-maj=32.9km s-min=14.4km az=-1.0.
ISC XI 03 06 22 05.3–.63 12.08N–.05 88.01W–.05 48–7 4.1b 64 1-139
IDC XI 03 06 22 01.9–1.5 12.57N 87.67W 0 4.1,3.9 **¶12072081**
ISCJB XI 03 06 22 04.3–.70 12.06N–.05 88.02W–.05 59–7 4.1b,3.9
CASC XI 03 06 22 05.1–1.8 12.12N 88.00W 32–15 4.2b,3.9
NEIC XI 03 06 22 06.2–1.6 11.96N 87.99W 66–13 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=46.7km s-min=14.8km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=4.2km az=44.3.
CASC Error ellipse: s-maj=6.9km s-min=5.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=14.7km az=219.0.
CASC XI 10 21 58 49.4–2.1 12.71N 91.15W 0–13 3.6
¶14201760
CASC Error ellipse: s-maj=18.5km s-min=19.1km az=-1.0.
ISC XI 13 20 14 20.0–.58 12.85N–.06 88.80W–.05 53–9 3.8b,3.0s 50 1-148
ISCJB XI 13 20 14 19.2–.56 12.87N–.07 88.79W–.05 65–8 3.8b,3.0s **¶12073447**
CASC XI 13 20 14 19.6–1.7 12.84N 88.83W 35–999 4.1L,3.0s
NEIC XI 13 20 14 23.1–1.1 13.04N 88.60W 88–11 3.9,3.0s
IDC XI 13 20 14 24.2–3.3 13.05N 88.66W 97–28 3.7,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.2km s-min=4.1km az=33.7.
CASC Error ellipse: s-maj=8.7km s-min=4.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=21.7km s-min=10.5km az=48.0. Felt [II] at San Salvador.
IDC Error ellipse: s-maj=53.1km s-min=24.7km az=58.0.
ISC XI 15 23 16 02.8–.77 12.98N–.07 89.02W–.05 55–8 3.6b 38 0-148
ISCJB XI 15 23 16 01.8–.75 12.98N–.08 89.02W–.05 66–7 3.6b **¶12073680**
CASC XI 15 23 16 03.1–1.2 13.02N 89.01W 48–10 4.2L,3.8
IDC XI 15 23 16 06.0–7.8 13.06N 89.06W 96–45 3.7,3.4
ISCJB Error ellipse: s-maj=14.0km s-min=4.8km az=27.3.
CASC Error ellipse: s-maj=5.0km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=82.5km s-min=37.7km az=2.0.
CASC XI 16 00 07 33.8–1.5 12.99N 89.03W 30–3 3.7,3.6L
¶14201791
CASC Error ellipse: s-maj=4.6km s-min=2.5km az=-1.0.
CASC XI 17 03 12 26.0–1.3 13.00N 89.06W 43–13 3.8,3.7L
¶14201793
CASC Error ellipse: s-maj=6.2km s-min=3.2km az=-1.0.
ISC XI 17 12 05 35.0–2.1 12.73N–.06 90.36W–.04 30–15 4.0b 57 1-148
ISCJB XI 17 12 05 34.1–1.0 12.69N–.07 90.39W–.05 46–8 4.0b **¶12073846**
NEIC XI 17 12 05 34.7–.89 13.23N 90.01W 10 4.1b
IDC XI 17 12 05 34.5–1.4 13.67N 89.73W 0 4.2,4.1
CASC XI 17 12 05 34.2–1.2 12.85N 90.41W 10–10 4.1b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=6.1km az=31.6.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=9.1km az=214.0.
IDC Error ellipse: s-maj=40.7km s-min=22.8km az=40.0.
CASC Error ellipse: s-maj=5.6km s-min=3.5km az=-1.0.
ISC XI 17 22 12 15.4–.65 12.74N–.08 88.57W–.07 57–10 3.6b 28 1-138
IDC XI 17 22 12 08.8–4.5 13.14N 87.95W 0 3.9,3.7 **¶12073925**
ISCJB XI 17 22 12 13.9–.73 12.69N–.09 88.62W–.07 67–10 3.5b,3.7
CASC XI 17 22 12 15.3–2.4 12.74N 88.56W 33–46 4.4,3.6L
IDC Error ellipse: s-maj=106.9km s-min=59.0km az=17.0.
ISCJB Error ellipse: s-maj=17.8km s-min=5.9km az=37.8.
CASC Error ellipse: s-maj=10.4km s-min=11.9km az=-1.0.
ISC XI 18 00 57 58.0–.43 12.34N–.04 88.14W–.04 38–4 4.6b,3.9s 357 1-149
IDC XI 18 00 57 52.1–.90 12.56N 87.91W 0 4.5,4.4 **¶11457619**
CASC XI 18 00 57 55.0–1.7 12.10N 88.35W 29–21 4.9b,4.1
ISCJB XI 18 00 57 56.7–.47 12.25N–.05 88.19W–.04 48–3 4.6b,3.9s
NEIC XI 18 00 57 58.5–.62 12.34N 88.08W 50–6 4.9b,3.9s
BJI XI 18 00 57 58.3 12.30N 88.10W 65 5.3b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=17.2km az=44.0.
CASC Error ellipse: s-maj=8.0km s-min=6.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=3.4km az=39.6.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=4.7km az=50.0.
CASC XI 18 05 01 39.6–.99 12.64N 88.57W 36–339 3.7,3.5L
¶14201796
CASC Error ellipse: s-maj=5.0km s-min=2.7km az=-1.0.
ISC XI 18 08 31 49.1–2.8 12.6N–.20 90.79W–.08 35 4.1s,3.7b 13 2-90
CASC XI 18 08 31 48.5–1.3 12.83N 90.73W 3–10 3.6,3.5L **¶12073988**
IDC XI 18 08 31 50.0–16 13.95N 89.23W 0 4.1s,4.1
CASC Error ellipse: s-maj=11.6km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=275.2km s-min=86.3km az=169.0.
ISC XI 18 20 27 39.3–1.3 2.65N–.09 84.6W–.10 44–14 4.0b,3.7s 27 7-145
IDC XI 18 20 27 32.4–1.1 2.56N 84.67W 0 4.3,4.1 **¶12074049**
ISCJB XI 18 20 27 35.9–3.5 2.66N–.08 84.6W–.10 30–27 4.0b,3.7s
NEIC XI 18 20 27 37.7–.69 2.57N 84.57W 35 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=55.1km s-min=19.7km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=9.9km az=148.6.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=8.8km az=46.0.
CASC XI 25 07 50 53.8–4.6 12.77N 90.79W 2–28 3.9,3.2L
¶14202929
CASC Error ellipse: s-maj=16.7km s-min=28.8km az=-1.0.
ISC XI 26 12 22 01.2–.43 12.63N–.06 88.09W–.04 54–5 4.1b,3.5s 81 1-148
ISCJB XI 26 12 22 00.0–.44 12.58N–.06 88.12W–.04 61–4 4.1b,3.5s **¶12074894**
CASC XI 26 12 22 00.4–2.5 12.60N 88.13W 47–98 4.4b,4.3L
NEIC XI 26 12 22 02.6–1.1 12.63N 87.98W 73–10 4.4b,4.3L
IDC XI 26 12 22 02.3–2.6 12.78N 87.92W 66–23 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=3.4km az=31.2.
CASC Error ellipse: s-maj=16.1km s-min=9.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=10.8km az=51.0.
IDC Error ellipse: s-maj=34.6km s-min=21.2km az=48.0.
ISC XII 01 12 09 57.6–.54 12.69N–.05 89.42W–.04 44–4 4.5b,3.5s 118 1-148
ISCJB XII 01 12 09 55.6–.58 12.57N–.05 89.48W–.04 50–4 4.5b,3.5s **¶12075404**
CASC XII 01 12 09 56.0–2.4 12.61N 89.51W 34–21 4.7b,4.1L
IDC XII 01 12 09 58.2–4.3 12.91N 89.07W 46–35 4.2,4.0
NEIC XII 01 12 09 59.2–1.0 12.73N 89.24W 63–8 4.7b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.0km az=33.6.
CASC Error ellipse: s-maj=8.9km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=33.6km s-min=23.3km az=23.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=6.7km az=219.0.

ISC XII 03 03 12 01.1–.49 12.97N–.06 88.82W–.04 59–5 3.9b 66 1-138
ISCJB XII 03 03 12 00.0–.52 12.95N–.06 88.84W–.05 68–4 3.9b ¶12075584
CASC XII 03 03 12 00.6–2.2 12.98N 88.84W 60–25 4.5,4.0L
IDC XII 03 03 12 03.7–2.2 13.14N 88.64W 84–21 3.7,3.5b
NEIC XII 03 03 12 03.6–.86 13.10N 88.71W 82–8 4.1,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=4.0km az=34.1.
CASC Error ellipse: s-maj=11.3km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=36.4km s-min=17.6km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=7.9km az=53.0. Felt [III] at Santiago de Maria.
CASC XII 05 20 14 35.1–.95 11.78N 88.15W 0–6 3.9,3.7L
¶14268708
CASC Error ellipse: s-maj=8.0km s-min=4.7km az=-1.0.
ISC XII 15 05 44 19.2–.78 13.00N–.07 89.25W–.04 40–20 3.1b 46 0-53
ISCJB XII 15 05 44 18.3–.87 12.97N–.09 89.24W–.05 49–14 3.1b ¶12077541
CASC XII 15 05 44 18.8–1.9 13.02N 89.26W 40–29 3.8L,3.6
IDC XII 15 05 44 19.4–1.4 14.60N 88.31W 0 3.8,3.6
NEIC XII 15 05 44 28.4–1.0 14.32N 88.77W 78–14 3.9,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=16.2km s-min=4.0km az=24.2.
CASC Error ellipse: s-maj=8.9km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=62.2km s-min=18.5km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=23.6km s-min=10.0km az=221.0. Felt [II] at San Salvador, El Salvador.
ISC XII 24 19 36 46.8–.89 12.52N–.08 89.03W–.08 49–9 4.0b 43 1-148
IDC XII 24 19 36 43.2–1.8 13.24N 88.42W 0 4.1,3.8b ¶12078844
ISCJB XII 24 19 36 44.9–.98 12.43N–.08 89.07W–.08 54–9 4.0b,3.8b
CASC XII 24 19 36 45.5–2.0 12.46N 89.15W 35–999 4.4b,4.0
NEIC XII 24 19 36 48.3–1.3 12.57N 88.95W 64–12 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=51.0km s-min=26.2km az=35.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=5.0km az=44.2.
CASC Error ellipse: s-maj=16.8km s-min=10.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=12.8km az=209.0.
CASC XII 26 19 35 34.9–2.6 12.64N 88.10W 51–44 3.8,3.5L
¶14269437
CASC Error ellipse: s-maj=13.7km s-min=7.6km az=-1.0.

(77) Off coast of Costa Rica.

CASC VII 02 19 50 10.6–2.1 10.24N 86.29W 7–17 3.6,2.5L
¶13942664
CASC Error ellipse: s-maj=7.4km s-min=8.5km az=-1.0.
ISC VII 03 12 10 20.5–.98 10.40N–.04 86.21W–.03 17–6 3.7b 54 1-40
NEIC VII 03 12 10 13.5 10.52N 86.71W 30 4.3b,4.1 ¶12697972
IDC VII 03 12 10 17.9–2.8 11.50N 84.69W 0 4.2,3.8
ISCJB VII 03 12 10 19.4–1.3 10.36N–.04 86.26W–.03 15–10 3.7b,3.8
CASC VII 03 12 10 20.9–1.9 10.42N 86.21W 12–11 4.3b,3.7
ISC Event type se.
NEIC Event type se. After HDC.
IDC Error ellipse: s-maj=65.2km s-min=50.0km az=8.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.2km az=26.7.
CASC Error ellipse: s-maj=4.7km s-min=3.5km az=-1.0.
CASC VII 04 01 16 12.9–2.7 10.96N 86.39W 26–8 3.6,3.1L
¶13942668
CASC Error ellipse: s-maj=6.7km s-min=9.2km az=-1.0.
ISC VII 16 14 00 08.8–1.9 10.59N–.07 86.49W–.09 16–10 3.3b 34 1-151
CASC VII 16 14 00 05.6–2.1 10.49N 86.63W 0–12 3.7,2.9L ¶12698250
IDC VII 16 14 00 08.5–1.7 11.79N 85.22W 0 3.9,3.6
CASC Error ellipse: s-maj=8.1km s-min=10.5km az=-1.0.
IDC Error ellipse: s-maj=94.1km s-min=12.4km az=74.0.
ISC VII 17 00 03 54.6–.64 10.61N–.05 86.44W–.06 47–7 3.9b 56 1-151
IDC VII 17 00 03 51.4–2.5 11.20N 85.96W 0 4.2,3.9b ¶11811800
ISCJB VII 17 00 03 53.7–.69 10.61N–.05 86.48W–.06 55–7 3.9b,3.9b
CASC VII 17 00 03 53.4–2.9 10.63N 86.51W 23–12 4.1,4.1b
NEIC VII 17 00 03 54.6–1.2 10.79N 85.88W 50–14 4.1b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=54.9km s-min=40.4km az=6.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.1km az=142.1.
CASC Error ellipse: s-maj=7.2km s-min=8.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=9.8km az=48.0.
CASC VII 31 21 29 06.9–2.2 7.92N 83.09W 11–27 3.9
¶13942834
CASC Error ellipse: s-maj=14.0km s-min=7.5km az=-1.0.
CASC VIII 04 23 28 56.7–2.2 10.50N 87.00W 36–999 3.7
¶13942849
CASC Error ellipse: s-maj=23.4km s-min=29.1km az=-1.0.
ISC VIII 05 11 26 01.9–1.0 9.93N–.05 85.66W–.04 12–5 3.5b 43 0-151
IDC VIII 05 11 26 00.6–5.0 10.71N 84.88W 0 4.1,3.7b ¶11907789
ISCJB VIII 05 11 26 01.2–.92 9.91N–.04 85.69W–.04 11–5 3.5b,3.7b
NEIC VIII 05 11 26 02.7–1.3 10.96N 84.64W 10 3.5b,3.7b
CASC VIII 05 11 26 02.9–2.1 9.97N 85.62W 9–6 3.6,3.3L
ISC Event type fe.
IDC Error ellipse: s-maj=260.4km s-min=59.5km az=35.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=5.8km az=139.6.
NEIC Event type fe. Error ellipse: s-maj=32.0km s-min=10.2km az=94.0. Felt at Nicoya.
CASC Error ellipse: s-maj=4.1km s-min=4.8km az=-1.0.
CASC VIII 07 07 53 44.8–3.3 10.63N 86.15W 0–11 3.6,2.7L
¶13942860
CASC Error ellipse: s-maj=10.3km s-min=10.9km az=-1.0.
ISC VIII 12 10 17 06.8–1.1 10.40N–.06 86.23W–.04 24–7 4.2b,3.3s 80 1-151
IDC VIII 12 10 17 03.5–1.7 10.66N 85.66W 0 4.3,4.1b ¶11908108
CASC VIII 12 10 17 05.0–2.1 10.37N 86.27W 3–10 4.3b,3.9
ISCJB VIII 12 10 17 07.1–.74 10.40N–.06 86.25W–.04 40–6 4.2b,3.3s
NEIC VIII 12 10 17 09.8–1.2 10.56N 85.98W 46–10 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=45.6km s-min=32.0km az=30.0.
CASC Error ellipse: s-maj=7.4km s-min=5.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.6km az=28.5.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=11.0km az=204.0.
CASC VIII 15 18 02 02.0–1.9 10.52N 86.83W 18–15 3.7,1.6L
¶13942896
CASC Error ellipse: s-maj=10.5km s-min=16.1km az=-1.0.
CASC VIII 19 19 57 20.9–2.5 10.56N 86.35W 13–29 3.7
¶13942965
CASC Error ellipse: s-maj=7.7km s-min=13.0km az=-1.0.
ISC VIII 20 09 43 21.8–.99 8.99N–.06 84.11W–.04 4–5 51 0-6
ISCJB VIII 20 09 43 22.2–1.1 9.00N–.06 84.10W–.04 9–7 ¶12100089
CASC VIII 20 09 43 22.9–2.1 9.02N 84.03W 8–0 4.1
NEIC VIII 20 09 43 23.0 9.01N 84.06W 8 4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=4.2km az=30.3.
CASC Error ellipse: s-maj=5.7km s-min=4.2km az=-1.0.
NEIC Event type se. After CASC.
CASC VIII 20 13 03 31.8–2.0 8.90N 84.08W 16–9 4.3
NEIC VIII 20 13 03 31.2 8.85N 84.13W 14 4.2 ¶12100095
CASC Error ellipse: s-maj=7.2km s-min=6.4km az=-1.0.
NEIC Event type se. After CASC.
CASC VIII 20 19 39 21.4–2.5 8.95N 84.01W 2–10 4.1
NEIC VIII 20 19 39 21.1 8.87N 84.11W 8 4.1 ¶12100102
CASC Error ellipse: s-maj=9.5km s-min=7.3km az=-1.0.
NEIC Event type se. After CASC.
CASC VIII 21 05 39 06.8–2.1 8.93N 84.01W 0–4 3.5
¶13942974
CASC Error ellipse: s-maj=6.5km s-min=6.3km az=-1.0.
CASC VIII 21 15 09 33.7–1.7 7.73N 83.08W 14–36 3.9
¶13942976
CASC Error ellipse: s-maj=17.1km s-min=28.5km az=-1.0.
CASC VIII 22 02 16 14.5–2.4 8.99N 84.17W 8–0 3.9
¶13943988
CASC Error ellipse: s-maj=6.9km s-min=5.8km az=-1.0.

ISC VIII 28 13 38 20.1–1.4 10.41N–.06 86.14W–.06 19–7 3.3b 40 1-151
IDC VIII 28 13 38 16.0–6.0 10.48N 85.89W 0 4.0,3.6 ¶12581504
CASC VIII 28 13 38 17.5–3.1 10.22N 86.30W 18–13 3.9,3.6
ISCJB VIII 28 13 38 19.4–1.5 10.38N–.07 86.18W–.08 23–8 3.3b,3.6
CASC VIII 29 03 47 05.5–2.3 10.99N 87.99W 9–0 3.9
¶13944504
CASC Error ellipse: s-maj=6.5km s-min=12.0km az=-1.0.
CASC VIII 29 17 20 16.9–7.9 10.62N 86.09W 0–32 3.9,2.5L
¶13944508
CASC Error ellipse: s-maj=23.4km s-min=33.3km az=-1.0.
ISC IX 03 14 22 49.2–.80 10.73N–.06 86.54W–.06 10 3.6b 28 1-151
ISCJB IX 03 14 22 48.2–.81 10.69N–.06 86.61W–.06 10 3.6b ¶11909376
CASC IX 03 14 22 48.2–3.0 10.67N 86.57W 0–15 4.1,3.8L
IDC IX 03 14 22 49.5–2.5 11.61N 85.67W 0 4.3,3.8b
ISCJB Error ellipse: s-maj=10.5km s-min=5.3km az=42.9.
CASC Error ellipse: s-maj=12.0km s-min=17.5km az=-1.0.
IDC Error ellipse: s-maj=169.8km s-min=51.1km az=49.0.
ISC IX 03 21 32 28.2–.50 10.90N–.05 86.31W–.06 52–5 4.4b,3.5s 119 1-150
CASC IX 03 21 32 20.4–2.5 10.60N 86.74W 0–15 4.5b,4.4 ¶11909405
ISCJB IX 03 21 32 27.3–.48 10.87N–.05 86.33W–.06 64–4 4.4b,4.4
IDC IX 03 21 32 27.6–8.7 11.19N 86.24W 33–63 4.3,4.0
NEIC IX 03 21 32 27.2–1.0 11.00N 86.34W 38–10 4.5b,4.0
ISC Event type se.
CASC Error ellipse: s-maj=9.1km s-min=10.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.9km az=142.7.
IDC Error ellipse: s-maj=38.3km s-min=18.9km az=54.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.6km az=70.0.
ISC IX 07 07 45 01.7–1.8 10.90N–.06 86.70W–.07 12–11 3.2b 31 1-39
ISCJB IX 07 07 45 00.7–1.5 10.83N–.06 86.79W–.06 15–11 3.2b ¶11909703
CASC IX 07 07 45 02.9–3.4 10.90N 86.67W 14–12 3.7,3.2L
IDC IX 07 07 45 02.1–2.6 11.61N 86.28W 0 3.8,3.5
ISCJB Error ellipse: s-maj=13.1km s-min=6.0km az=139.5.
CASC Error ellipse: s-maj=11.0km s-min=12.0km az=-1.0.
IDC Error ellipse: s-maj=239.3km s-min=53.6km az=54.0.
CASC IX 21 08 32 34.7–1.5 9.98N 86.15W 0–6 4.0
¶13944566
CASC Error ellipse: s-maj=6.8km s-min=5.2km az=-1.0.
ISC X 02 22 26 51.1–1.0 9.59N–.03 85.14W–.04 20–6 4.1b,3.4s 75 0-152
ISCJB X 02 22 26 50.0–.82 9.53N–.04 85.18W–.04 27–5 4.1b,3.4s ¶11911762
IDC X 02 22 26 49.9–1.4 10.02N 84.73W 0 4.2,3.9b
NEIC X 02 22 26 51.0–1.7 9.59N 85.09W 22–11 4.6,4.1b
CASC X 02 22 26 52.5–3.1 9.64N 85.08W 13–14 4.1b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=4.2km az=43.1.
IDC Error ellipse: s-maj=51.3km s-min=24.3km az=27.0.
NEIC Event type fe. Error ellipse: s-maj=12.1km s-min=5.7km az=222.0. Felt at Cobano, Esparza, Jaco, Paquera and in the Valle Central.
CASC Error ellipse: s-maj=6.4km s-min=6.1km az=-1.0.
CASC X 06 23 03 11.8–2.4 10.90N 86.48W 29–11 3.5
¶13944604
CASC Error ellipse: s-maj=9.5km s-min=10.1km az=-1.0.
CASC X 08 01 00 30.4–3.1 10.72N 86.77W 2–0 4.0,3.3L
¶13944607
CASC Error ellipse: s-maj=8.1km s-min=13.0km az=-1.0.
CASC X 10 10 23 54.4–2.5 10.74N 86.69W 27–14 4.2,3.1L
¶13944610
CASC Error ellipse: s-maj=9.8km s-min=10.3km az=-1.0.
CASC X 10 10 44 46.3–2.0 10.69N 86.83W 17–11 3.6,2.8L
¶13944612
CASC Error ellipse: s-maj=7.5km s-min=8.6km az=-1.0.
CASC X 10 14 25 47.8–3.8 10.81N 86.71W 28–77 3.5,2.3L
¶13944613
CASC Error ellipse: s-maj=25.2km s-min=40.4km az=-1.0.
ISC XI 13 09 49 51.9–.17 10.85N–.03 86.07W–.02 54 5.2b,5.0s 859 0-166
IDC XI 13 09 49 45.2–.45 11.12N 85.79W 0 5.0,4.9s ¶13400018
CASC XI 13 09 49 48.2–3.4 10.68N 86.31W 14–15 5.4b,5.2L
ISCJB XI 13 09 49 49.9–.17 10.83N–.03 86.15W–.02 52 5.2b,5.0s
MOS XI 13 09 49 51.6–1.3 11.11N 85.94W 53 5.5b,5.2s
NEIC XI 13 09 49 51.9–.19 10.84N 86.12W 53 5.4b,5.3W
GCMT XI 13 09 49 52.6–.20 10.49N 86.46W 30–0 5.4W,5.3W
BJI XI 13 09 49 54.9 10.81N 86.65W 85 5.5s,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=22.2km s-min=11.3km az=61.0.
CASC Error ellipse: s-maj=8.9km s-min=8.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=1.7km az=28.0.
MOS Error ellipse: s-maj=10.3km s-min=4.6km az=111.1.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=2.6km az=218.0. Felt at Liberia. Moment Tensor Solution. s63 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s141.00000°,δ48.00000°,λ81.00000°. NP2: ϕ_s334.00000°,δ42.00000°,λ100.00000°. Principal axes: T 1.0100,Plg82.0000°,Azm350.0000° ; N 0.0100,Plg6.0000°,Azm146.0000°; P -1.0200,Plg2.0000°,Azm237.0000° $M_0$1.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s90,c158; s95,c172; Moment tensor: Scale 10^{17}Nm; M_{rr}1.18±.03 $M_{\theta\theta}$-0.83±.02; $M_{\phi\phi}$-0.35±.02; $M_{r\theta}$0.95±.03; $M_{\theta\phi}$0.72±.02; $M_{\phi r}$-0.58±.03; Best double couple: NP1:ϕ_s310.00000°,δ24.00000°,λ96.00000°. NP2:ϕ_s123.00000°,δ66.00000°,λ87.00000°. Principal axes: T 1.6000,Plg69.0000° ,Azm27.0000°; N 0.1700,Plg3.0000°,Azm124.0000°; P -1.7700,Plg21.0000°,Azm215.0000° $M_0$1.70000×10^{17}
CASC XI 13 10 31 30.4–2.8 10.79N 86.19W 0–7 3.6,3.3L
¶14201766
CASC Error ellipse: s-maj=9.5km s-min=10.1km az=-1.0.
CASC XI 19 01 32 00.6–2.6 10.60N 86.36W 2–12 3.6,2.8L
¶14201797
CASC Error ellipse: s-maj=7.8km s-min=9.8km az=-1.0.
IDC XI 21 17 37 05.5–10 9.59N 87.38W 0 4.1,3.9b
¶12074418
IDC Error ellipse: s-maj=225.6km s-min=26.4km az=6.0.
CASC XI 23 01 51 43.2–3.5 10.97N 86.61W 29–41 3.6,2.9L
¶14202925
CASC Error ellipse: s-maj=15.0km s-min=30.3km az=-1.0.
CASC XII 06 08 10 47.4–2.4 9.27N 85.77W 27–10 3.6
¶14268755
CASC Error ellipse: s-maj=8.5km s-min=7.0km az=-1.0.
ISC XII 10 18 39 46.9–.95 9.87N–.04 85.57W–.05 18–4 3.3b 44 0-152
IDC XII 10 18 39 40.6–2.9 10.31N 84.34W 0 4.0,3.6 ¶12076780
ISCJB XII 10 18 39 46.6–1.2 9.85N–.06 85.61W–.06 26–6 3.3b,3.6
CASC XII 10 18 39 46.8–2.8 9.89N 85.70W 34–7 4.1,3.6
NEIC XII 10 18 39 50.9–1.5 10.11N 85.07W 67–11 4.1,3.6
ISC Event type se.
IDC Error ellipse: s-maj=160.2km s-min=58.3km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=6.0km az=138.4.
CASC Error ellipse: s-maj=7.2km s-min=10.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=46.8km s-min=12.1km az=218.0.
ISC XII 27 12 40 36.6–1.0 10.76N–.08 86.48W–.08 49–12 3.7b 41 1-140
ISCJB XII 27 12 40 35.9–1.0 10.77N–.08 86.48W–.09 60–12 3.7b ¶12079171
CASC XII 27 12 40 35.2–1.9 10.87N 86.43W 3–0 3.7,3.7L
IDC XII 27 12 40 39.3–2.7 11.59N 85.78W 40–30 3.9,3.6b
ISCJB Error ellipse: s-maj=19.0km s-min=5.2km az=136.5.
CASC Error ellipse: s-maj=5.5km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=62.0km s-min=21.0km az=55.0.
CASC XII 31 10 16 15.8–2.9 7.90N 83.01W 12–13 3.8
¶14269548
CASC Error ellipse: s-maj=14.2km s-min=11.5km az=-1.0.

(78) Costa Rica.

CASC VII 09 07 48 53.2–1.6 8.41N 83.00W 2–0 3.6
¶13942749
CASC Error ellipse: s-maj=2.9km s-min=3.5km az=-1.0.
CASC VII 09 18 59 40.2–3.0 8.64N 83.11W 14–15 4.0
¶13942752
CASC Error ellipse: s-maj=11.5km s-min=6.2km az=-1.0.

ISC VII 20 02 34 11.9–.25 10.69N–.03 85.75W–.03 54–2 4.6b,4.2s 398 0-151
ISCJB VII 20 02 34 10.6–.24 10.65N–.03 85.78W–.03 61–2 4.6b,4.2s **¶11153514**
IDC VII 20 02 34 10.4–.45 10.92N 85.60W 35–3 4.4,4.3
CASC VII 20 02 34 11.5–2.0 10.61N 85.82W 32–3 4.7b,4.6L
NEIC VII 20 02 34 12.9–.41 10.67N 85.78W 63–4 4.8,4.7b
GCMT VII 20 02 34 13.5–.50 10.53N 85.93W 40–0 5.1W,4.7b
ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=6.3km s-min=3.0km az=43.3.
IDC Error ellipse: s-maj=19.7km s-min=6.5km az=60.0.
CASC Error ellipse: s-maj=3.0km s-min=3.1km az=-1.0.
NEIC Event type de. Error ellipse: s-maj=7.5km s-min=3.9km az=224.0. Minor damage at Nicoya. Felt at Liberia and Santa Cruz.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c43; s56,c73; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.70±.37 $M_{\theta\theta}$3.85±.23; $M_{\phi\phi}$1.85±.28; $M_{r\theta}$1.56±.15; $M_{\theta\phi}$-1.96±.13; $M_{\theta r}$1.36±.22; Best double couple: NP1:ϕ_s136.00000°,δ44.00000°,λ-67.00000°. NP2:ϕ_s285.00000°,δ51.00000°,λ-111.00000°. Principal axes: T 5.0900,Plg4.0000° ,Azm30.0000°; N 1.2100,Plg16.0000°,Azm299.0000°; P -6.3000,Plg74.0000°,Azm132.0000° M_o5.70000×10^{16}
ISC VII 21 03 10 31.1–.29 10.64N–.03 85.75W–.03 51–3 4.1b,3.8s 127 0-140
ISCJB VII 21 03 10 30.1–.30 10.62N–.03 85.78W–.03 55–2 4.1b,3.8s **¶11812233**
CASC VII 21 03 10 30.9–1.4 10.64N 85.83W 29–3 4.2b,3.9L
NEIC VII 21 03 10 32.0–.95 10.64N 85.68W 65–9 4.5,4.2b
IDC VII 21 03 10 32.1–.67 10.71N 85.55W 70–6 4.1,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.1km az=44.8.
CASC Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=16.9km s-min=7.7km az=219.0. Felt in Guanacaste.
IDC Error ellipse: s-maj=27.4km s-min=9.3km az=43.0.
ISC VII 21 03 48 40.6–.41 10.61N–.03 85.79W–.04 43–6 3.6b 70 0-68
IDC VII 21 03 48 27.3–11 10.07N 85.18W 0 4.0,3.7 **¶11812237**
ISCJB VII 21 03 48 40.1–.41 10.62N–.03 85.80W–.04 46–5 3.6b,3.7
CASC VII 21 03 48 40.7–2.5 10.62N 85.78W 36–12 4.1b,3.5L
NEIC VII 21 03 48 41.2–1.0 11.01N 85.07W 64–16 4.1b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=242.5km s-min=56.8km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.6km az=142.6.
CASC Error ellipse: s-maj=3.9km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=15.6km az=220.0.
CASC VII 21 20 00 22.3–1.9 8.53N 83.69W 20–12 3.9
¶13942792
CASC Error ellipse: s-maj=10.2km s-min=4.7km az=-1.0.
ISC VII 23 05 54 59.2–.28 10.68N–.03 85.79W–.03 49–2 4.3b,3.7s 142 0-151
NEIC VII 23 05 54 56.2 10.62N 85.97W 32 4.8,4.4b **¶11153598**
IDC VII 23 05 54 57.9–1.3 11.00N 85.47W 35–10 4.2,4.1
ISCJB VII 23 05 54 58.1–.29 10.66N–.03 85.81W–.03 55–2 4.3b,3.7s
CASC VII 23 05 54 58.6–1.7 10.65N 85.86W 26–4 4.4b,4.1L
ISC Event type fe.
NEIC Event type fe. Felt in Guanacaste. After HDC.
IDC Error ellipse: s-maj=25.8km s-min=10.3km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=2.8km az=138.3.
CASC Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0.
CASC VII 24 09 24 40.8–2.1 8.45N 83.04W 5–0 4.0
¶13942807
CASC Error ellipse: s-maj=7.6km s-min=5.5km az=-1.0.
CASC VII 24 13 13 31.3–1.8 10.61N 85.37W 35–7 3.5
¶13942809
CASC Error ellipse: s-maj=8.9km s-min=11.2km az=-1.0.
CASC VII 25 08 34 33.1–1.6 8.52N 83.05W 4–0 3.6
¶13942812
CASC Error ellipse: s-maj=5.4km s-min=2.7km az=-1.0.
CASC VII 29 03 38 52.2–2.3 9.37N 84.76W 10–0 4.0,2.9L
¶13942824
CASC Error ellipse: s-maj=6.4km s-min=4.3km az=-1.0.
CASC VII 29 12 47 36.0–1.9 8.41N 83.01W 9–8 3.7
¶13942830
CASC Error ellipse: s-maj=13.3km s-min=21.9km az=-1.0.
CASC VIII 01 20 47 13.7–2.2 8.77N 83.06W 47–11 3.7
¶13942839
CASC Error ellipse: s-maj=6.9km s-min=4.4km az=-1.0.
CASC VIII 01 20 50 03.0–1.8 8.11N 83.37W 1–7 3.8
¶13942840
CASC Error ellipse: s-maj=10.1km s-min=5.2km az=-1.0.
CASC VIII 05 06 00 40.0–1.8 9.57N 84.77W 15–7 3.5
¶13942850
CASC Error ellipse: s-maj=4.1km s-min=2.9km az=-1.0.
CASC VIII 07 02 42 05.6–2.2 8.94N 83.85W 0–6 4.1
¶13942858
CASC Error ellipse: s-maj=9.0km s-min=6.3km az=-1.0.
CASC VIII 08 10 08 47.3–1.1 10.62N 85.53W 44–18 3.8,3.2L
¶13942864
CASC Error ellipse: s-maj=3.2km s-min=4.3km az=-1.0.
CASC VIII 10 01 18 37.2–3.2 8.44N 83.01W 4–12 4.0
¶13942872
CASC Error ellipse: s-maj=10.3km s-min=4.2km az=-1.0.
CASC VIII 16 02 50 21.8–4.7 8.87N 83.04W 0–12 3.6
¶13942953
CASC Error ellipse: s-maj=16.3km s-min=8.6km az=-1.0.
CASC VIII 18 00 03 24.4–1.3 9.54N 84.05W 55–7 3.5
¶13942957
CASC Error ellipse: s-maj=4.0km s-min=3.4km az=-1.0.
ISC VIII 20 06 20 57.1–1.0 9.01N–.03 84.10W–.02 20–6 4.8s,4.7b 200 0-153
IDC VIII 20 06 20 53.6–.50 9.16N 84.08W 0 4.6,4.6s **¶13392179**
CASC VIII 20 06 20 55.9–1.5 8.97N 84.06W 8–0 4.9,4.8b
ISCJB VIII 20 06 20 56.7–.79 8.99N–.03 84.09W–.02 30–5 4.8s,4.7b
BJI VIII 20 06 20 56.2 9.00N 84.10W 20 5.3b,5.2s
NEIC VIII 20 06 20 57.2–.90 9.03N 84.08W 20–5 4.9b,4.7s
SZGRF VIII 20 06 21 00.1 8.96N 83.58W 33 5.0b,4.7s
GCMT VIII 20 06 21 03.1–.20 8.94N 83.99W 17–0 5.3W,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=20.4km s-min=10.9km az=57.0.
CASC Error ellipse: s-maj=3.5km s-min=3.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=25.1.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=3.9km az=211.0. Felt at Peninsula de Osa.
SZGRF Costa Rica.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c128; s90,c157; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s297.00000°,δ22.00000°,λ92.00000°. NP2:ϕ_s115.00000° ,δ68.00000°,λ89.00000°. Principal axes: T 1.0500,Plg67.0000°,Azm24.0000° ; N 0.0500,Plg1.0000°,Azm115.0000°; P -1.1000,Plg23.0000°,Azm206.0000° M_o1.10000×10^{17}
CASC VIII 20 08 33 01.3–4.0 9.00N 84.03W 0–6 4.2
NEIC VIII 20 08 33 01.1–1.0 8.99N 84.13W 10 4.3 **¶12100085**
CASC Error ellipse: s-maj=11.5km s-min=8.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.7km az=215.0.
CASC VIII 21 22 55 30.1–2.0 10.12N 83.27W 13–16 3.7
¶13942980
CASC Error ellipse: s-maj=4.7km s-min=4.1km az=-1.0.
CASC VIII 23 17 35 34.4–1.6 10.08N 85.57W 13–7 3.8
¶13943996
CASC Error ellipse: s-maj=5.6km s-min=5.2km az=-1.0.
CASC VIII 29 04 17 07.5–2.5 10.62N 85.90W 8–0 3.7
¶13944505
CASC Error ellipse: s-maj=7.1km s-min=9.3km az=-1.0.
CASC IX 02 00 25 55.7–2.6 8.65N 83.17W 18–7 3.5
¶13944523
CASC Error ellipse: s-maj=5.8km s-min=4.9km az=-1.0.
ISC IX 04 06 21 50.1–.54 10.61N–.03 85.84W–.03 29–4 4.2b,3.7s 95 0-151
IDC IX 04 06 21 43.9–.76 10.84N 85.72W 0 4.2,4.1 **¶11265441**
CASC IX 04 06 21 50.0–1.9 10.65N 85.86W 17–6 4.3b,3.6
NEIC IX 04 06 21 52.1–.59 10.60N 85.79W 64 4.3b,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=36.4km s-min=15.1km az=58.0.
CASC Error ellipse: s-maj=3.1km s-min=3.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=15.1km s-min=7.3km az=45.0. Felt [II] at Challa. Also felt at Santa Cruz.
ISC IX 19 05 14 05.1–.69 10.11N–.05 85.88W–.04 35 3.7b 49 0-69
CASC IX 19 05 14 00.0–7.7 10.08N 86.10W 0–18 3.8 **¶11910604**
IDC IX 19 05 14 03.1–2.8 11.25N 84.65W 0 4.2,3.8b
ISCJB IX 19 05 14 04.2–.69 10.09N–.05 85.93W–.04 33 3.7b,3.8b
CASC IX 23 14 49 15.6–1.4 8.37N 83.06W 7–0 3.5
¶13944577
CASC Error ellipse: s-maj=7.4km s-min=3.4km az=-1.0.
CASC X 13 07 45 22.6–4.5 9.06N 83.68W 1–12 4.1
¶13944619
CASC Error ellipse: s-maj=15.7km s-min=14.9km az=-1.0.
ISC X 16 08 03 37.7–.45 10.86N–.04 85.77W–.05 48–6 3.7b 52 0-140
ISCJB X 16 08 03 37.2–.46 10.87N–.05 85.77W–.06 53–5 3.7b **¶12068747**
IDC X 16 08 03 37.8–1.3 10.95N 85.36W 80–36 3.8s,3.8
CASC X 16 08 03 38.0–2.0 10.90N 85.71W 45–7 3.4,3.4L
ISCJB Error ellipse: s-maj=11.2km s-min=3.8km az=141.4.
IDC Error ellipse: s-maj=53.5km s-min=26.2km az=154.0.
CASC Error ellipse: s-maj=4.5km s-min=6.0km az=-1.0.
CASC XI 08 07 34 09.6–3.4 8.08N 83.10W 4–19 3.5
UPA XI 08 07 34 06.8 7.97N 83.07W 5 3.8W **¶14201754**
UCR XI 08 07 34 08.2 7.97N 82.94W 10 3.5
CASC Error ellipse: s-maj=20.2km s-min=9.7km az=-1.0.
CASC XI 09 06 57 20.1–1.9 8.05N 83.14W 0–27 4.2
¶14201758
CASC Error ellipse: s-maj=39.8km s-min=48.6km az=-1.0.
CASC XI 24 01 03 31.6–1.7 8.16N 83.16W 21–14 3.5
UCR XI 24 01 03 31.2 8.12N 83.23W 14 3.4 **¶14202927**
CASC Error ellipse: s-maj=12.7km s-min=15.6km az=-1.0.
ISC XI 28 21 48 56.0–.40 10.92N–.09 85.11W–.08 186–4 3.8b 69 0-141
NEIC XI 28 21 48 53.8–1.0 10.46N 85.21W 205–8 4.3b **¶12075189**
ISCJB XI 28 21 48 55.1–.41 10.93N–.09 85.12W–.09 190–5 3.8b
IDC XI 28 21 48 55.5–.54 11.06N 84.92W 178–11 3.7,3.5b
CASC XI 28 21 48 56.5–2.0 10.87N 85.14W 182–6 3.7,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=15.3km az=217.0.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=6.2km az=41.1.
IDC Error ellipse: s-maj=32.0km s-min=26.9km az=24.0.
CASC Error ellipse: s-maj=5.5km s-min=7.1km az=-1.0.
ISC XII 06 09 31 32.6–.30 10.16N–.03 85.15W–.03 42–2 4.7b,4.0s 265 0-151
MOS XII 06 09 31 30.2–1.1 10.44N 84.73W 33 4.9b,4.0s **¶11493258**
ISCJB XII 06 09 31 31.6–.29 10.13N–.03 85.18W–.03 50–1 4.7b,4.0s
IDC XII 06 09 31 31.6–1.1 10.49N 84.74W 32–8 4.2,4.2
CASC XII 06 09 31 32.2–1.6 10.11N 85.17W 21–3 4.8b,4.1L
BJI XII 06 09 31 33.8 10.20N 85.10W 52 5.4b,5.1s
NEIC XII 06 09 31 33.9–.53 10.27N 84.98W 56–5 4.9,4.8b
ISC Event type fe.
MOS Error ellipse: s-maj=13.2km s-min=5.8km az=117.2.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.5km az=42.1.
IDC Error ellipse: s-maj=19.1km s-min=11.3km az=67.0.
CASC Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.5km az=48.0. Felt at Escazu, Grecia, Jicaral, Paquera and Puntarenas.
CASC XII 08 19 15 49.8–2.1 8.81N 83.07W 44–12 3.7
¶14268814
CASC Error ellipse: s-maj=6.5km s-min=6.6km az=-1.0.
CASC XII 09 01 05 53.9–2.9 8.52N 83.12W 14–10 3.7
¶14268862
CASC Error ellipse: s-maj=7.6km s-min=7.1km az=-1.0.
ISC XII 16 04 53 36.8–.43 9.49N–.04 84.18W–.04 55–5 3.7b,3.4s 75 0-141
ISCJB XII 16 04 53 35.7–.43 9.46N–.04 84.20W–.04 63–4 3.7b,3.4s **¶12077716**
CASC XII 16 04 53 35.2–6.0 9.35N 84.29W 30–20 4.1,3.4s
IDC XII 16 04 53 36.1–3.5 10.08N 83.93W 26–25 4.1L,3.9
NEIC XII 16 04 53 37.0 9.56N 84.22W 45 5.0,4.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.1km az=39.9.
CASC Error ellipse: s-maj=13.6km s-min=16.4km az=-1.0.
IDC Error ellipse: s-maj=49.0km s-min=25.7km az=20.0.
NEIC Event type fe. Felt in the Valle Central. After UCR.
CASC XII 20 06 55 07.9–3.2 8.35N 83.03W 3–8 3.9
¶14269264
CASC Error ellipse: s-maj=10.6km s-min=5.1km az=-1.0.
ISC XII 28 12 10 57.6–.51 10.24N–.06 84.87W–.05 70–5 3.1b 47 0-141
ISCJB XII 28 12 10 56.8–.51 10.25N–.06 84.87W–.05 75–4 3.1b **¶12079274**
CASC XII 28 12 10 57.5–1.1 10.25N 84.84W 66–5 3.6
IDC XII 28 12 10 57.2–1.8 10.25N 84.93W 65–13 3.7,3.3
ISCJB Error ellipse: s-maj=12.2km s-min=4.2km az=38.7.
CASC Error ellipse: s-maj=2.7km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=150.7km s-min=31.3km az=52.0.
ISC XII 30 01 12 08.9–.91 9.38N–.08 84.20W–.05 28–5 3.4b 36 0-84
IDC XII 30 01 12 04.0–2.4 9.49N 83.97W 0 3.8,3.5 **¶12079473**
ISCJB XII 30 01 12 08.8–.70 9.39N–.09 84.16W–.06 45–7 3.4b,3.5
CASC XII 30 01 12 09.5–2.4 9.45N 84.19W 25–5 3.9,3.5
IDC Error ellipse: s-maj=86.7km s-min=15.1km az=30.0.
ISCJB Error ellipse: s-maj=16.6km s-min=5.2km az=29.9.
CASC Error ellipse: s-maj=5.5km s-min=4.5km az=-1.0.
CASC XII 30 01 53 50.8–2.6 8.92N 83.97W 2–12 3.9
¶14269532
CASC Error ellipse: s-maj=9.0km s-min=8.8km az=-1.0.

(79) North of Panama.

IDC VIII 28 10 16 07.2–14 10.07N 81.28W 0 4.1,3.8
¶12581498
IDC Error ellipse: s-maj=332.3km s-min=71.8km az=1.0.

(80) Panama-Costa Rica border region.

ISC VII 05 07 45 12.6–.75 8.59N–.05 82.75W–.04 26–4 4.4b 237 0-146
IDC VII 05 07 45 08.4–.79 8.59N 82.80W 0 4.3,4.2 **¶11009337**
CASC VII 05 07 45 08.0–3.6 8.39N 82.90W 0–9 4.6b,4.4
ISCJB VII 05 07 45 11.9–.53 8.56N–.05 82.77W–.03 37–3 4.4b,4.4
NEIC VII 05 07 45 12.3–2.2 8.55N 82.79W 23–16 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=14.7km az=49.0.
CASC Error ellipse: s-maj=10.8km s-min=8.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.8km az=23.8.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.4km az=221.0.
CASC VII 05 09 38 07.8–2.0 8.38N 82.94W 5–0 3.9
¶13942671
CASC Error ellipse: s-maj=5.1km s-min=5.1km az=-1.0.
CASC VII 06 06 08 10.4–2.8 8.42N 82.94W 0–6 4.1
¶13942673
CASC Error ellipse: s-maj=7.7km s-min=5.2km az=-1.0.
CASC VII 06 12 37 40.6–2.5 8.28N 82.80W 16–9 3.6
¶13942676
CASC Error ellipse: s-maj=7.3km s-min=8.9km az=-1.0.
CASC VII 08 02 28 52.1–1.9 8.39N 82.92W 3–0 3.8
¶13942743
CASC Error ellipse: s-maj=4.5km s-min=4.0km az=-1.0.
CASC VII 08 07 06 19.5–2.8 8.82N 82.98W 24–8 3.8
¶13942744
CASC Error ellipse: s-maj=6.5km s-min=5.0km az=-1.0.
CASC VII 08 13 52 40.2–1.4 8.38N 82.94W 3–0 3.5
¶13942745
CASC Error ellipse: s-maj=2.4km s-min=3.2km az=-1.0.
CASC VII 08 16 20 49.9–2.2 8.42N 82.89W 10–7 4.0
¶13942746
CASC Error ellipse: s-maj=6.3km s-min=4.5km az=-1.0.
CASC VII 08 20 04 06.9–2.7 8.40N 82.95W 4–16 3.7
¶13942748

CASC Error ellipse: s-maj=10.0km s-min=6.4km az=-1.0.
CASC VII 09 09 20 47.7–1.7 8.37N 82.97W 18–10 3.6
¶13942750

CASC Error ellipse: s-maj=4.9km s-min=6.5km az=-1.0.
CASC VII 10 04 42 50.3–2.5 8.31N 82.57W 12–26 3.8
¶13942753

CASC Error ellipse: s-maj=12.0km s-min=16.0km az=-1.0.
CASC VII 10 06 44 32.2–2.7 8.43N 82.98W 7–0 3.7
¶13942755

CASC Error ellipse: s-maj=5.0km s-min=5.9km az=-1.0.
CASC VII 11 11 38 40.4–1.7 8.90N 82.51W 10–0 3.5
¶13942758

CASC Error ellipse: s-maj=3.0km s-min=3.4km az=-1.0.
CASC VII 12 07 30 39.4–1.7 8.43N 82.97W 7–0 3.6
¶13942759

CASC Error ellipse: s-maj=2.7km s-min=3.3km az=-1.0.
CASC VII 14 15 33 31.2–2.4 8.33N 82.77W 9–7 3.7
¶13942763

CASC Error ellipse: s-maj=8.6km s-min=5.3km az=-1.0.
CASC VII 14 21 59 25.0–2.2 8.40N 82.91W 5–13 3.8
¶13942765

CASC Error ellipse: s-maj=10.8km s-min=3.9km az=-1.0.
CASC VII 20 01 26 53.7–1.9 8.81N 82.51W 12–3 3.6
¶13942780

CASC Error ellipse: s-maj=6.6km s-min=7.1km az=-1.0.
CASC VII 20 19 30 13.0–1.7 8.91N 82.86W 13–7 3.6
¶13942784

CASC Error ellipse: s-maj=4.5km s-min=3.2km az=-1.0.
CASC VII 20 23 50 08.6–1.4 8.90N 82.90W 12–10 3.8
¶13942789

CASC Error ellipse: s-maj=3.2km s-min=5.8km az=-1.0.
CASC VII 22 15 01 06.4–5.1 8.80N 82.41W 10–11 3.6
¶13942795

CASC Error ellipse: s-maj=11.4km s-min=20.3km az=-1.0.
CASC VII 22 19 11 04.4–2.5 8.39N 82.88W 4–0 3.6
¶13942796

CASC Error ellipse: s-maj=4.0km s-min=5.4km az=-1.0.
CASC VII 23 06 53 47.7–2.3 8.93N 82.85W 14–11 3.6
¶13942800

CASC Error ellipse: s-maj=4.8km s-min=4.0km az=-1.0.
CASC VII 23 18 32 09.3–2.4 8.50N 82.93W 5–8 4.3,3.3L
¶13942801

CASC Error ellipse: s-maj=6.7km s-min=3.1km az=-1.0.
CASC VII 24 07 36 08.5–2.4 8.41N 82.98W 4–0 4.0
¶13942805

CASC Error ellipse: s-maj=6.4km s-min=4.7km az=-1.0.
CASC VII 28 02 05 09.3–2.3 8.30N 82.81W 23–6 3.8
¶13942821

CASC Error ellipse: s-maj=6.1km s-min=6.3km az=-1.0.
CASC VIII 02 12 26 52.5–2.3 8.21N 82.83W 15–20 3.6
¶13942842

CASC Error ellipse: s-maj=16.3km s-min=14.0km az=-1.0.
CASC VIII 03 15 18 37.7–2.6 8.40N 82.95W 6–13 3.8
¶13942844

CASC Error ellipse: s-maj=8.4km s-min=4.3km az=-1.0.
CASC VIII 05 10 58 17.7–3.3 8.78N 82.97W 60–20 3.7
¶13942853

CASC Error ellipse: s-maj=9.9km s-min=11.0km az=-1.0.
CASC VIII 06 04 39 18.1–2.6 9.36N 82.72W 13–14 3.8
¶13942854

CASC Error ellipse: s-maj=7.9km s-min=10.6km az=-1.0.
CASC VIII 09 13 17 35.0–2.2 8.38N 82.84W 0–11 3.7
¶13942868

CASC Error ellipse: s-maj=20.5km s-min=8.6km az=-1.0.
CASC VIII 09 21 08 59.3–2.1 8.39N 82.94W 0–8 3.9
¶13942870

CASC Error ellipse: s-maj=7.0km s-min=3.9km az=-1.0.
CASC VIII 18 09 51 41.9–1.3 8.87N 82.97W 3–0 3.5
¶13942959

CASC Error ellipse: s-maj=5.8km s-min=3.0km az=-1.0.
ISC VIII 22 11 04 55.5–.45 8.35N–.04 82.75W–.02 39–2 5.0b,4.5s 583 0-153
MOS VIII 22 11 04 50.8–1.3 8.59N 82.71W 10 5.2b,4.5s ¶11184403
CASC VIII 22 11 04 52.1–2.6 8.26N 82.75W 17–8 5.0b,4.5
ISCJB VIII 22 11 04 54.1–.43 8.40N–.04 82.76W–.02 41–2 5.0b,4.5s
BJI VIII 22 11 04 55.5 8.30N 82.80W 44 5.4s,5.4b
NEIC VIII 22 11 04 56.5–.70 8.32N 82.80W 54–6 5.0b,5.4b
IDC VIII 22 11 04 56.9–2.8 8.33N 82.76W 63–25 4.4,4.3
GCMT VIII 22 11 04 57.5–.30 8.36N 82.75W 28–0 5.0W,4.3
ISC Event type fe.
MOS Error ellipse: s-maj=16.9km s-min=6.2km az=119.1.
CASC Error ellipse: s-maj=6.6km s-min=5.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.0km az=18.5.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.1km az=209.0. Felt at Dolega and Gualaca, Panama. Also felt at Coto Brus, Costa Rica.
IDC Error ellipse: s-maj=20.9km s-min=11.6km az=51.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s37,c46; s67,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}3.73±.20 $M_{\theta\theta}$-2.16±.13; $M_{\phi\phi}$-1.57±.16; $M_{r\theta}$0.22±.17; $M_{\theta\phi}$2.34±.08; $M_{\phi r}$0.76±.24; Best double couple: NP1:ϕ_s120.00000°,δ44.00000°,λ73.00000°. NP2:ϕ_s323.00000°,δ49.00000°,λ106.00000°. Principal axes: T 3.8900,Plg78.0000° ,Azm300.0000°; N 0.3400,Plg12.0000°,Azm132.0000°; P -4.2400,Plg2.0000°,Azm42.0000° M_o4.10000×10^{16}
CASC VIII 22 12 39 14.1–1.5 8.34N 82.82W 8–0 3.6
¶13943991

CASC Error ellipse: s-maj=7.9km s-min=3.6km az=-1.0.
CASC VIII 22 21 06 02.3–3.4 9.15N 82.62W 11–0 3.6
¶13943992

CASC Error ellipse: s-maj=15.3km s-min=23.3km az=-1.0.
CASC VIII 25 05 45 03.1–1.6 9.34N 82.72W 17–12 3.5
¶13943999

CASC Error ellipse: s-maj=5.0km s-min=7.0km az=-1.0.
CASC VIII 28 06 22 18.1–2.2 8.68N 82.83W 10–0 3.5
UPA VIII 28 06 22 19.0 8.71N 82.82W 12 4.0W ¶13944500
UCR VIII 28 06 22 19.3 8.65N 82.89W 10 3.5
CASC Error ellipse: s-maj=4.3km s-min=2.7km az=-1.0.
CASC IX 01 00 36 15.7–2.1 8.38N 82.92W 8–0 3.8
¶13944520

CASC Error ellipse: s-maj=6.7km s-min=4.8km az=-1.0.
CASC IX 07 20 52 34.7–1.6 8.32N 82.89W 3–0 3.5
¶13944540

CASC Error ellipse: s-maj=3.5km s-min=2.5km az=-1.0.
CASC IX 19 12 50 43.4–3.7 9.13N 82.62W 14–15 3.8
¶13944560

CASC Error ellipse: s-maj=7.5km s-min=10.7km az=-1.0.
CASC IX 19 22 26 36.1–2.5 8.93N 82.83W 16–10 3.5
¶13944562

CASC Error ellipse: s-maj=5.4km s-min=4.5km az=-1.0.
CASC IX 22 20 10 09.1–1.5 8.46N 82.94W 4–0 3.6
¶13944572

CASC Error ellipse: s-maj=8.8km s-min=2.9km az=-1.0.
CASC IX 23 15 05 07.4–4.1 8.96N 82.67W 33–38 4.0
¶13944578

CASC Error ellipse: s-maj=41.8km s-min=19.4km az=-1.0.
ISC IX 28 08 56 38.5–2.0 8.3N–.10 82.84W–.08 10–10 4.0b 37 0-153
IDC IX 28 08 56 35.4–2.4 8.13N 82.84W 0 4.2,4.0 ¶11911262
ISCJB IX 28 08 56 36.6–1.9 8.2N–.10 82.87W–.07 14–12 4.0b,4.0
CASC IX 28 08 56 37.7–2.1 8.34N 82.85W 2–14 4.4b,4.0
NEIC IX 28 08 56 38.2–7.0 8.20N 82.87W 13–35 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=85.8km s-min=30.3km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=8.6km az=26.1.
CASC Error ellipse: s-maj=16.2km s-min=9.1km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=65.4km s-min=13.2km az=191.0.
CASC IX 30 02 27 51.4–1.0 8.26N 82.83W 8–0 3.7
¶13944592

CASC Error ellipse: s-maj=6.6km s-min=3.6km az=-1.0.
CASC X 01 13 26 18.6–3.7 8.37N 82.83W 0–10 3.6
¶13944595

CASC Error ellipse: s-maj=6.9km s-min=8.4km az=-1.0.
CASC XI 10 12 02 01.4–2.4 9.11N 82.73W 7–16 3.8
¶14201759

CASC Error ellipse: s-maj=5.5km s-min=9.1km az=-1.0.
CASC XI 11 13 04 34.7–3.2 8.54N 82.64W 12–11 3.5
¶14201762

CASC Error ellipse: s-maj=9.4km s-min=9.4km az=-1.0.
ISC XI 14 00 26 26.8–.96 8.02N–.05 82.85W–.03 14–5 4.1b,3.4s 89 1-154
CASC XI 14 00 26 25.3–3.1 8.05N 82.84W 0–27 4.7b,4.6 ¶12073471
ISCJB XI 14 00 26 26.7–1.1 7.99N–.05 82.81W–.04 28–7 4.1b,3.4s
NEIC XI 14 00 26 27.7–1.3 8.06N 82.84W 22–9 4.7b,4.7
IDC XI 14 00 26 36.8–3.0 8.44N 82.71W 88–26 4.0,4.0
ISC Event type fe.
CASC Error ellipse: s-maj=30.9km s-min=13.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.2km az=26.4.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=4.9km az=209.0. Felt at Puerto Armuelles, Panama.
IDC Error ellipse: s-maj=26.7km s-min=14.6km az=41.0.
IDC XI 14 00 27 51.5–3.0 8.48N 82.47W 0 4.1,3.8b
¶12073472

IDC Error ellipse: s-maj=98.0km s-min=32.5km az=27.0.
ISC XI 19 06 11 22.5–.13 8.33N–.02 82.90W–.01 45 5.9s,5.7b 1251 0-176
GUC XI 19 06 11 03.7–2.4 10.91N 82.12W 48–0 5.7b,5.7b ¶11458361
MOS XI 19 06 11 19.9–1.5 8.35N 83.02W 33 6.1b,5.8s
ISCJB XI 19 06 11 20.5–.13 8.34N–.02 82.90W–.01 43 5.9s,5.7b
NEIC XI 19 06 11 20.8–.18 8.27N 82.97W 32 6.2,6.1W
BJI XI 19 06 11 20.8 8.30N 82.90W 32 6.4s,6.2
CASC XI 19 06 11 21.2–2.8 8.32N 82.84W 26–5 5.9b,5.6L
IDC XI 19 06 11 25.0–1.9 8.33N 82.78W 75–16 5.8s,5.8
GCMT XI 19 06 11 25.6–.10 8.23N 82.77W 42–0 6.3W,5.8
SZGRF XI 19 06 11 30.0 9.75N 80.98W 33 6.3s,5.7b
ISC Event type de.
GUC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=6.6km s-min=4.4km az=101.3.
ISCJB Event type de. Error ellipse: s-maj=3.0km s-min=1.8km az=19.2.
NEIC Event type de. Error ellipse: s-maj=4.5km s-min=3.0km az=208.0. Slight damage at Chiriqui, David and Puerto Armuelles, Panama. Felt [V] at Bajo Boquete, Dolega and Rio Sereno; [IV] at Bocas del Toro and Bugaba. Also felt at Aguadulce, Alanje, Anton, Panama, Penonome, San Carlos and Santiago. Felt [VI] at Golfito; [V] at Grecia, Limon, Parrita, San Antonio and San Rafael; [IV] at Alajuela, Curridabat, Desamparados, Escazu, Guadalupe, Quepos, San Isidro, San Jose, San Juan, San Pablo, San Pedro, Santa Ana and Tres Rios; [III] at Heredia, Coata Rica. Also felt at Atenas, Calle Blancos, Cartago, Colon, Florencia, Mercedes, Naranjo, Palmar, Paraiso, Puerto Cortes, Puntarenas, Purral, San Ramon, Santo Domingo, San Vicente and San Vito. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s275.00000°,δ68.00000°,λ-15.00000°. NP2: ϕ_s11.00000°,δ76.00000°,λ-157.00000°. Principal axes: T Plg5.0000°,Azm142.0000° ; N Plg0.0000°,Azm0.0000°; P Plg26.0000°,Azm234.0000° Moment Tensor Solution. s111 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.54 $M_{\theta\theta}$0.72 $M_{\phi\phi}$-0.19 $M_{r\theta}$0.60 $M_{\theta\phi}$1.55 $M_{\phi r}$-0.54 Best double couple: NP1:ϕ_s13.00000°,δ65.00000°,λ-159.00000°. NP2:ϕ_s274.00000° ,δ71.00000°,λ-26.00000°. Principal axes: T 1.8900,Plg3.0000°,Azm324.0000° ; N -0.0600,Plg58.0000°,Azm60.0000°; P -1.8300,Plg31.0000°,Azm231.0000° M_o1.90000×10^{18}
CASC Error ellipse: s-maj=6.0km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=12.6km s-min=7.0km az=71.0.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=114, comp=272, per= 50. Moment Tensor Solution. s111,c240; s90,c145; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.81±.02 $M_{\theta\theta}$1.29±.02; $M_{\phi\phi}$-0.48±.02; $M_{r\theta}$0.92±.02; $M_{\theta\phi}$2.34±.02; $M_{\phi r}$-1.22±.03; Best double couple: NP1:ϕ_s16.00000°,δ66.00000°,λ-156.00000°. NP2:ϕ_s275.00000°,δ68.00000°,λ-26.00000°. Principal axes: T 2.9100,Plg1.0000°,Azm326.0000°; N 0.2000,Plg56.0000°,Azm57.0000° ; P -3.1100,Plg34.0000°,Azm235.0000° M_o3.00000×10^{18}
SZGRF Panama.
ISC XI 19 06 58 36.9–1.3 8.30N–.08 82.66W–.05 32–6 4.2b 245 0-151
IDC XI 19 06 58 30.3–1.4 8.36N 82.40W 0 4.2,4.0L ¶11458362
ISCJB XI 19 06 58 35.2–.95 8.29N–.08 82.61W–.05 36–5 4.2b,4.0L
CASC XI 19 06 58 35.8–2.2 8.25N 82.71W 29–7 4.7b,4.0
NEIC XI 19 06 58 37.9–1.4 8.34N 82.71W 46–9 4.7b,4.0
BJI XI 19 06 58 41.2 8.70N 82.80W 48 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=52.7km s-min=28.8km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=7.8km az=20.7.
CASC Error ellipse: s-maj=9.0km s-min=9.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=9.0km az=205.0.
CASC XI 19 09 36 55.0–1.9 8.36N 82.87W 27–6 4.1
¶14201798

CASC Error ellipse: s-maj=5.9km s-min=4.9km az=-1.0.
CASC XI 19 10 59 02.8–3.1 8.41N 82.74W 11–18 4.2
¶14201800

CASC Error ellipse: s-maj=11.0km s-min=6.6km az=-1.0.
CASC XI 19 13 52 08.5–2.4 8.29N 82.70W 17–24 4.3
¶14201801

CASC Error ellipse: s-maj=22.2km s-min=23.7km az=-1.0.
ISC XI 27 07 25 18.8–1.1 8.3N–.10 82.84W–.07 34–6 3.5b 55 0-142
IDC XI 27 07 25 14.5–2.1 8.95N 82.34W 0 4.1L,4.0 ¶12075011
NEIC XI 27 07 25 17.4 8.26N 82.81W 25 4.5,4.0
ISCJB XI 27 07 25 18.1–.78 8.4N–.10 82.81W–.10 52–7 3.5b,4.0
CASC XI 27 07 25 19.7–2.7 8.40N 82.85W 35–8 4.3,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=70.7km s-min=26.6km az=26.0.
NEIC Event type fe. Felt at Puerto Armuelles, Panama. After CASC.
ISCJB Event type fe. Error ellipse: s-maj=23.9km s-min=7.9km az=39.8.
CASC Error ellipse: s-maj=17.5km s-min=15.1km az=-1.0.
CASC XII 04 03 10 46.8–2.5 8.34N 82.85W 24–14 3.8
¶14268672

CASC Error ellipse: s-maj=11.4km s-min=19.3km az=-1.0.
CASC XII 18 13 56 34.3–3.1 8.23N 82.78W 19–16 4.0
¶14269189

CASC Error ellipse: s-maj=13.6km s-min=15.6km az=-1.0.

(81) Panama.

CASC VIII 30 12 03 29.7–3.4 7.28N 81.86W 34–999 3.7
¶13944512

CASC Error ellipse: s-maj=822.9km s-min=589.1km az=-1.0.
ISC IX 22 05 31 27.8–.74 9.51N–.09 79.16W–.05 44–11 3.9b,3.6s 36 1-146
CASC IX 22 05 31 23.1–2.8 9.35N 78.81W 56–24 4.6b,4.3 ¶11910812
IDC IX 22 05 31 25.4–.91 9.52N 79.10W 27–4 3.9,3.7
ISCJB IX 22 05 31 26.3–.92 9.66N–.08 79.18W–.05 40–13 3.9b,3.6s
NEIC IX 22 05 31 28.5–.92 9.63N 79.21W 46–12 4.3b,3.6s
ISC Event type fe.
CASC Error ellipse: s-maj=34.3km s-min=7.5km az=-1.0.
IDC Error ellipse: s-maj=27.7km s-min=22.2km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=13.8km s-min=8.0km az=17.0.
NEIC Event type fe. Error ellipse: s-maj=13.3km s-min=11.0km az=193.0. Felt at Panama.

(82) Panama-Colombia border region.

ISC VII 17 05 41 23.6–.51 8.67N–.08 77.18W–.04 10 3.5b 28 3-148
ISCJB VII 17 05 41 21.6–.46 8.80N–.05 77.11W–.04 10 3.5b ¶11811817
IDC VII 17 05 41 21.5–.70 8.60N 77.30W 0 3.8,3.7
NEIC VII 17 05 41 25.9–1.9 8.59N 77.32W 30–15 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=6.0km az=9.4.
IDC Error ellipse: s-maj=25.4km s-min=14.2km az=46.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.2km az=202.0.
ISC VII 29 22 57 49.1–.54 8.93N–.05 77.84W–.04 58–6 3.6b 49 2-146
IDC VII 29 22 57 40.0–.95 9.05N 78.07W 0 3.9,3.8 ¶11812883

ISCJB VII 29 22 57 47.4–.63 8.94N–.05 77.78W–.04 61–8 3.6b,3.8
NEIC VII 29 22 57 49.0–.55 8.89N 77.82W 62–6 3.5b,3.8
CASC VII 29 22 57 51.3–1.2 7.69N 78.86W 10–13 3.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=19.1km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.5km az=1.7.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.1km az=67.0.
CASC Error ellipse: s-maj=13.2km s-min=5.3km az=-1.0.
ISC XI 01 17 02 03.7–.40 7.97N–.04 77.29W–.05 27 4.3b,3.8s 58 3-153
BJI XI 01 17 02 00.2 7.04N 77.16W 20 5.0s,4.9b **¶11380776**
ISCJB XI 01 17 02 01.3–.40 7.96N–.05 77.30W–.06 25 4.3b,3.8s
IDC XI 01 17 02 02.3–.70 7.92N 77.21W 23–4 4.3,4.1
NEIC XI 01 17 02 04.9–.65 7.95N 77.33W 40–7 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.5km az=176.8.
IDC Error ellipse: s-maj=26.4km s-min=15.5km az=61.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.8km az=52.0.
ISC XI 14 20 42 13.5–1.2 7.2N–.10 77.69W–.07 84–11 3.6b 28 3-154
NEIC XI 14 20 42 07.4–.55 7.05N 77.99W 35 3.9b **¶12073558**
ISCJB XI 14 20 42 10.9–2.2 7.3N–.10 77.8W–.10 74–22 3.6b
IDC XI 14 20 42 13.5–3.0 7.01N 77.98W 88–28 3.7,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=11.0km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=15.6km az=136.0.
IDC Error ellipse: s-maj=32.8km s-min=17.6km az=47.0.
ISC XII 30 15 38 29.1–4.4 7.3N–.20 77.1W–.10 35–35 3.8b 12 3-146
IDC XII 30 15 38 22.2–1.3 7.05N 77.28W 0 4.1,3.8 **¶12079565**
ISCJB XII 30 15 38 27.7–1.4 7.3N–.20 77.1W–.10 45–18 3.8b,3.8
NEIC XII 30 15 38 28.3–1.1 7.07N 77.17W 44–12 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=68.4km s-min=26.0km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=32.4km s-min=11.4km az=38.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=10.1km az=218.0.

(83) South of Panama.

ISC VII 02 00 53 30.9–.29 7.77N–.05 82.60W–.03 35 4.5b,3.8s 423 1-154
IDC VII 02 00 53 23.0–.57 7.45N 82.84W 0 4.5,4.4 **¶11006845**
CASC VII 02 00 53 27.8–7.1 7.53N 82.89W 106–66 4.6b,4.4
ISCJB VII 02 00 53 28.7–.28 7.74N–.05 82.63W–.03 33 4.5b,3.8s
BJI VII 02 00 53 28.2 7.50N 82.70W 35 5.0s,5.0b
NEIC VII 02 00 53 29.2–.69 7.52N 82.69W 35–6 4.6b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=12.6km az=51.0.
CASC Error ellipse: s-maj=43.1km s-min=41.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.0km az=27.1.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.0km az=208.0.
NEIC VII 07 20 29 14.5–.81 5.01N 81.62W 10 3.8b
IDC VII 07 20 29 12.4–2.1 4.72N 81.88W 0 4.4,4.2 **¶11810925**
NEIC Event type se. Error ellipse: s-maj=120.0km s-min=13.7km az=56.0.
IDC Error ellipse: s-maj=186.3km s-min=38.9km az=50.0.
ISC VII 21 20 22 17.1–1.4 6.43N–.06 82.61W–.04 14–11 4.1b,3.7s 65 2-141
ISCJB VII 21 20 22 16.0–1.3 6.41N–.05 82.61W–.04 20–12 4.1b,3.7s **¶11812309**
IDC VII 21 20 22 16.2–2.4 6.53N 82.77W 0 5.3L,4.4
NEIC VII 21 20 22 16.2–.75 6.40N 82.68W 10 4.5b,4.4
CASC VII 21 20 22 17.8–2.8 6.61N 82.61W 4–20 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.5km az=28.7.
IDC Error ellipse: s-maj=58.1km s-min=26.0km az=24.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.3km az=46.0.
CASC Error ellipse: s-maj=25.9km s-min=7.0km az=-1.0.
ISC VIII 14 22 55 52.6–.15 7.42N–.02 82.68W–.02 35 5.2b,4.8s 1044 1-175
IDC VIII 14 22 55 45.9–.52 7.37N 82.78W 0 5.1,5.1 **¶11227201**
MOS VIII 14 22 55 46.5–1.4 7.37N 82.72W 10 5.4b,4.7s
NEIC VIII 14 22 55 47.2–.18 7.29N 82.73W 6 5.4W,5.3b
BJI VIII 14 22 55 47.2 7.30N 82.70W 16 5.4b,5.3s
ISCJB VIII 14 22 55 50.8–.15 7.46N–.02 82.71W–.01 33 5.2b,4.8s
CASC VIII 14 22 55 51.0–2.3 7.48N 82.82W 27–12 5.3b,4.9
GCMT VIII 14 22 55 52.9–.10 7.26N 82.79W 22–0 5.5W,4.9
SZGRF VIII 14 22 56 01.1 8.42N 80.94W 33 5.3b,5.0s
JSN VIII 14 22 57 42.0–.59 14.71N 79.14W 15–0 5.3b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=21.9km s-min=11.6km az=70.0.
MOS Error ellipse: s-maj=10.4km s-min=5.2km az=118.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=2.7km az=203.0. Felt at Bocas del Toro, David and Volcan. Also felt at Curridabat, San Jose and San Miguel, Costa Rica. Moment Tensor Solution. s71 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41 $M_{\theta\theta}$-0.42 $M_{\phi\phi}$0.83 $M_{r\theta}$-0.28 $M_{\theta\phi}$1.30 $M_{\phi r}$-0.01 Best double couple: NP1:ϕ_s76.00000°,δ83.00000°,λ-13.00000°. NP2: ϕ_s168.00000°,δ77.00000°,λ-173.00000°. Principal axes: T 1.6600,Plg4.0000°,Azm122.0000° ; N -0.3600,Plg74.0000°,Azm228.0000°; P -1.3000,Plg14.0000°,Azm31.0000° $M_0$1.50000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=1.7km az=21.2.
CASC Error ellipse: s-maj=9.3km s-min=4.6km az=-1.0.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 99, comp=188, per= 50. Moment Tensor Solution. s77,c133; s35,c41; Moment tensor: Scale 10^{17}Nm; M_{rr}0.10±.04 $M_{\theta\theta}$-0.61±.03; $M_{\phi\phi}$0.52±.04; $M_{r\theta}$-0.05±.06; $M_{\theta\phi}$2.42±.03; $M_{\phi r}$-0.14±.07; Best double couple: NP1:ϕ_s263.00000°,δ87.00000°,λ2.00000°. NP2:ϕ_s173.00000°,δ88.00000°,λ177.00000°. Principal axes: T 2.4500,Plg3.0000°,Azm128.0000°; N 0.0900,Plg87.0000°,Azm325.0000° ; P -2.5300,Plg1.0000°,Azm218.0000° $M_0$2.50000×10^{17}
SZGRF Panama.
JSN Error ellipse: s-maj=158.9km s-min=6.8km az=-1.0.
CASC VIII 15 00 04 46.6–5.1 7.56N 82.71W 20–41 3.7
¶13942887
CASC Error ellipse: s-maj=18.5km s-min=35.7km az=-1.0.
CASC VIII 15 02 47 16.2–1.4 7.53N 82.87W 3–0 3.8
¶13942889
CASC Error ellipse: s-maj=7.8km s-min=8.8km az=-1.0.
ISC VIII 21 22 51 44.5–1.4 5.22N–.04 82.63W–.02 21–10 4.7b,4.1s 519 5-156
ISCJB VIII 21 22 51 39.6–1.7 5.24N–.04 82.62W–.02 0–10 4.8b,4.1s **¶11180609**
MOS VIII 21 22 51 40.5–1.3 5.25N 82.86W 10 5.0b,4.2s
IDC VIII 21 22 51 40.3–.59 5.25N 82.57W 0 4.7,4.6
NEIC VIII 21 22 51 42.2–.26 5.24N 82.68W 10 4.9b,4.1s
GCMT VIII 21 22 51 46.6–.20 5.20N 82.59W 26–0 5.2W,4.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.6km az=20.2.
MOS Error ellipse: s-maj=10.1km s-min=6.4km az=95.8.
IDC Error ellipse: s-maj=22.6km s-min=11.3km az=60.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.5km az=209.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c79; s84,c141; Moment tensor: Scale 10^{16}Nm; M_{rr}0.00±.15 $M_{\theta\theta}$0.78±.14; $M_{\phi\phi}$-0.78±.18; $M_{r\theta}$1.16±.28; $M_{\theta\phi}$6.61±.13; $M_{\phi r}$0.39±.31; Best double couple: NP1:ϕ_s3.00000°,δ80.00000°,λ176.00000°. NP2:ϕ_s94.00000°,δ86.00000°,λ10.00000°. Principal axes: T 6.8400,Plg9.0000° ,Azm319.0000°; N -0.1500,Plg80.0000°,Azm114.0000°; P -6.6900,Plg4.0000° ,Azm228.0000° $M_0$6.80000×10^{16}
CASC VIII 23 14 21 57.8–3.3 7.39N 82.84W 28–14 4.0
¶13943994
CASC Error ellipse: s-maj=13.7km s-min=12.2km az=-1.0.
CASC VIII 24 18 08 53.1–2.8 7.38N 82.79W 33–241 3.9
¶13943997
CASC Error ellipse: s-maj=18.5km s-min=15.5km az=-1.0.
CASC VIII 25 07 14 48.6–2.6 7.59N 82.51W 3–17 3.9
¶13944000
CASC Error ellipse: s-maj=16.1km s-min=9.4km az=-1.0.
CASC VIII 26 13 54 12.8–3.4 7.41N 82.89W 30–14 3.8
¶13944005
CASC Error ellipse: s-maj=13.5km s-min=13.1km az=-1.0.
CASC VIII 28 09 27 08.6–1.5 7.37N 82.83W 8–9 3.8
¶13944501
CASC Error ellipse: s-maj=6.2km s-min=4.8km az=-1.0.
ISC IX 10 13 39 36.2–1.2 7.62N–.06 82.70W–.04 7–6 4.3b 104 1-147
ISCJB IX 10 13 39 34.9–1.2 7.54N–.05 82.76W–.03 14–7 4.3b **¶11255636**
NEIC IX 10 13 39 34.7–.75 7.39N 82.76W 10 4.6b
IDC IX 10 13 39 35.9–4.8 8.00N 82.47W 0 4.5,4.2L
BJI IX 10 13 39 35.7 7.40N 82.80W 20 4.8s,4.6
CASC IX 10 13 39 35.4–2.5 7.50N 82.74W 14–10 4.5,3.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=4.7km az=21.7.
NEIC Event type fe. Error ellipse: s-maj=16.9km s-min=8.8km az=197.0. Felt in Perez Zeledon and the Valle Central, Costa Rica.
IDC Error ellipse: s-maj=132.7km s-min=27.1km az=17.0.
CASC Error ellipse: s-maj=7.4km s-min=8.4km az=-1.0.
CASC IX 10 13 47 09.7–2.2 7.51N 82.82W 56–34 3.8
¶13944547
CASC Error ellipse: s-maj=17.5km s-min=12.0km az=-1.0.
NEIC IX 20 21 12 11.2–.42 7.56N 82.12W 35 4.5b
IDC IX 20 21 12 06.2–1.0 7.62N 82.17W 0 4.6,4.3 **¶11282346**
CASC IX 20 21 12 10.4–2.0 7.64N 82.58W 14–0 4.5b,4.1
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.0km az=223.0.
IDC Error ellipse: s-maj=43.4km s-min=18.5km az=44.0.
CASC Error ellipse: s-maj=9.9km s-min=10.2km az=-1.0.
ISC IX 21 21 46 01.9–1.9 7.22N–.04 79.53W–.03 2–12 4.3b,3.8s 85 2-154
CASC IX 21 21 45 54.4–3.8 6.85N 78.96W 36–999 4.6,4.6b **¶11910791**
IDC IX 21 21 45 58.8–.62 7.01N 79.99W 0 4.3,4.2
ISCJB IX 21 21 46 00.6–1.6 7.18N–.04 79.53W–.04 9–10 4.3b,3.8s
NEIC IX 21 21 46 06.8–.65 7.28N 79.50W 36–6 4.4b,3.8s
ISC Event type se.
CASC Error ellipse: s-maj=66.0km s-min=18.6km az=-1.0.
IDC Error ellipse: s-maj=27.4km s-min=12.5km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.1km az=40.7.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.4km az=222.0.
ISC IX 29 01 32 28.4–.35 6.94N–.06 82.26W–.05 35 4.5b,3.9s 392 2-148
IDC IX 29 01 32 20.7–.83 6.55N 82.62W 0 4.4,4.2 **¶11322347**
NEIC IX 29 01 32 21.9–.47 6.50N 82.38W 10 4.7b,4.2
CASC IX 29 01 32 24.8–1.8 6.80N 82.29W 36–360 4.1,4.2
ISCJB IX 29 01 32 25.6–.30 6.84N–.05 82.27W–.05 33 4.5b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 05 20 44 44.8–1.1 6.37N 78.12W 0 3.8,3.6
¶12066062
IDC Error ellipse: s-maj=49.1km s-min=18.3km az=38.0.
NEIC X 06 08 04 13.2–1.3 6.16N 78.14W 35–12
IDC X 06 08 04 08.4–1.3 6.26N 78.10W 0 3.9,3.7 **¶12066106**
NEIC Event type se. Error ellipse: s-maj=37.5km s-min=10.9km az=209.0.
IDC Error ellipse: s-maj=61.6km s-min=16.1km az=27.0.
ISC X 22 09 52 17.2–.85 6.80N–.08 82.38W–.04 10 4.0s,4.0b 49 2-142
ISCJB X 22 09 52 14.9–.85 6.72N–.08 82.41W–.04 10 4.0s,4.0b **¶12070793**
IDC X 22 09 52 16.2–1.9 6.79N 82.50W 0 4.5L,4.4
NEIC X 22 09 52 17.3–6.1 6.78N 82.36W 13–35 4.3b,4.4
GCMT X 22 09 52 20.1–.20 6.54N 82.28W 23–1 5.0W,4.4
CASC X 22 09 52 26.5–3.6 7.89N 82.15W 139–32 4.4L,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=5.7km az=8.2.
IDC Error ellipse: s-maj=50.4km s-min=23.7km az=29.0.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=9.1km az=196.0.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s32,c44; s79,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}0.16±.17 $M_{\theta\theta}$0.55±.12; $M_{\phi\phi}$-0.71±.15; $M_{r\theta}$0.09±.19; $M_{\theta\phi}$4.21±.12; $M_{\phi r}$-0.06±.20; Best double couple: NP1:ϕ_s4.00000°,δ89.00000°,λ-179.00000°. NP2:ϕ_s274.00000°,δ89.00000°,λ-1.00000°. Principal axes: T 4.1800,Plg0.0000° ,Azm319.0000°; N 0.1700,Plg89.0000°,Azm69.0000°; P -4.3400,Plg1.0000°,Azm229.0000° $M_0$4.30000×10^{16}
CASC Error ellipse: s-maj=75.8km s-min=16.0km az=-1.0.
ISC X 23 01 40 38.0–.90 5.29N–.10 82.8W–.10 35 3.7s,3.5b 25 4-89
NEIC X 23 01 40 33.9–1.1 5.19N 82.86W 10 3.7b,3.5b **¶12070854**
ISCJB X 23 01 40 35.6–.92 5.28N–.09 82.75W–.10 33 3.7s,3.5b
IDC X 23 01 40 35.9–1.5 5.32N 82.37W 0 4.1,3.9b
CASC X 23 01 41 34.2–2.6 9.55N 84.03W 14–10 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=11.1km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=7.0km az=137.1.
IDC Error ellipse: s-maj=90.3km s-min=28.2km az=50.0.
CASC Error ellipse: s-maj=14.4km s-min=11.0km az=-1.0.
IDC XI 05 13 13 17.4–3.1 6.16N 82.35W 0 3.9,3.8L
¶12072406
IDC Error ellipse: s-maj=292.8km s-min=47.9km az=61.0.
ISC XI 05 15 33 03.5–.29 5.93N–.04 82.28W–.04 10 4.7b,4.4s 342 4-156
MOS XI 05 15 33 01.5–1.6 5.86N 82.47W 10 5.2b,4.4s **¶11395617**
ISCJB XI 05 15 33 01.8–.28 5.96N–.04 82.28W–.04 10 4.7b,4.4s
IDC XI 05 15 33 01.5–.53 5.91N 82.32W 0 4.5,4.4
BJI XI 05 15 33 02.6 5.90N 82.40W 10 5.3s,5.3b
NEIC XI 05 15 33 02.4–.30 5.86N 82.42W 10 5.0b,5.3b
GCMT XI 05 15 33 07.0–.20 5.92N 82.34W 17–1 5.1W,5.3b
CASC XI 05 15 33 33.7–.77 8.07N 83.66W 20–0 5.0b,4.3
ISC Event type se.
MOS Error ellipse: s-maj=19.5km s-min=8.2km az=108.8.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=34.5.
IDC Error ellipse: s-maj=25.7km s-min=12.8km az=65.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.8km az=40.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s42,c58; s87,c142; Moment tensor: Scale 10^{16}Nm; M_{rr}0.61±.14 $M_{\theta\theta}$0.61±.12; $M_{\phi\phi}$-1.21±.16; $M_{r\theta}$-0.45±.29; $M_{\theta\phi}$4.80±.12; $M_{\phi r}$0.20±.31; Best double couple: NP1:ϕ_s185.00000°,δ85.00000°,λ-179.00000°. NP2:ϕ_s95.00000°,δ89.00000°,λ-5.00000°. Principal axes: T 4.5900,Plg3.0000° ,Azm140.0000°; N 0.6300,Plg85.0000°,Azm267.0000°; P -5.2200,Plg4.0000°,Azm50.0000° $M_0$4.90000×10^{16}
CASC Error ellipse: s-maj=76.3km s-min=4.9km az=-1.0.
ISC XI 05 18 32 21.1–.93 6.16N–.10 82.31W–.07 10 4.0b,3.9s 34 3-150
IDC XI 05 18 32 15.7–1.7 5.41N 82.24W 0 4.1,3.9 **¶12072449**
ISCJB XI 05 18 32 18.6–.90 6.09N–.09 82.32W–.07 10 4.0b,3.9s
CASC XI 05 18 32 19.4–2.5 6.05N 82.64W 20–88 4.4b,3.9s
NEIC XI 05 18 32 20.0–6.7 5.61N 82.25W 25–44 4.4b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=47.0km s-min=33.7km az=8.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=9.1km az=19.5.
CASC Error ellipse: s-maj=56.6km s-min=18.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=31.8km s-min=13.5km az=194.0.
IDC XI 06 03 51 05.9–1.4 5.08N 81.88W 0 4.0,3.7
¶12072495
IDC Error ellipse: s-maj=46.5km s-min=29.0km az=69.0.
ISC XI 07 13 41 02.0–2.2 6.24N–.05 82.50W–.04 26–16 4.4b,3.8s 406 4-142
IDC XI 07 13 40 57.3–.80 6.16N 82.73W 0 4.5,4.4 **¶11396696**
NEIC XI 07 13 40 58.9–.38 6.18N 82.62W 10 4.5b,4.4
ISCJB XI 07 13 40 59.7–2.3 6.25N–.05 82.51W–.04 23–17 4.4b,3.8s
BJI XI 07 13 40 59.2 6.10N 82.60W 10 5.6b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=15.2km az=48.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.1km az=203.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.8km az=6.8.
ISC XI 07 16 29 40.6–.44 5.96N–.04 82.74W–.04 10 3.9b 71 4-156
ISCJB XI 07 16 29 38.6–.45 5.96N–.04 82.74W–.04 10 3.9b **¶12072710**
IDC XI 07 16 29 39.4–.86 5.94N 82.87W 0 4.3,4.1
NEIC XI 07 16 29 40.5–.50 5.98N 82.78W 10 4.4b,4.1
CASC XI 07 16 29 40.3–2.3 5.99N 82.92W 0–197 4.4b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.7km az=139.4.
IDC Error ellipse: s-maj=29.6km s-min=17.1km az=54.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.3km az=51.0.
CASC Error ellipse: s-maj=382.2km s-min=147.4km az=-1.0.
ISC XI 15 23 17 41.7–4.4 7.9N–.40 82.1W–.20 56–23 3.7b 25 3-82
IDC XI 15 23 17 35.6–3.5 8.28N 81.74W 0 4.1,4.0 **¶12073681**
NEIC XI 15 23 17 37.5–1.9 7.52N 82.19W 35 4.1,4.0
ISCJB XI 15 23 17 41.1–4.3 7.9N–.40 82.1W–.20 67–24 3.6b,4.0
ISC Event type se.
NEIC Event type se.

ISCJB Event type se.
ISC XII 07 19 31 28.6–.40 5.64N–.05 78.30W–.07 29 4.1b,3.5s 47 4-156
ISCJB XII 07 19 31 26.4–.40 5.63N–.06 78.38W–.08 28 4.1b,3.5s ¶12076240
IDC XII 07 19 31 28.6–.63 5.66N 78.22W 28–3 4.2,4.1
NEIC XII 07 19 31 28.1–.33 5.63N 78.29W 28 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.3km az=160.4.
IDC Error ellipse: s-maj=20.2km s-min=12.7km az=57.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.1km az=75.0.
ISC XII 12 08 27 07.8–1.1 6.57N–.08 82.65W–.06 10 3.5b 20 2-73
ISCJB XII 12 08 27 05.8–1.1 6.53N–.08 82.64W–.06 10 3.5b ¶12077083
UCR XII 12 08 27 05.8 6.34N 82.59W 32 4.4
UPA XII 12 08 27 05.9 6.57N 82.68W 0 4.2W
CASC XII 12 08 27 06.8–1.8 6.61N 82.65W 4–13 4.2W
IDC XII 12 08 27 11.5–4.5 7.58N 81.94W 0 3.9,3.8L
ISCJB Error ellipse: s-maj=12.6km s-min=6.7km az=33.1.
CASC Error ellipse: s-maj=17.2km s-min=8.1km az=-1.0.
IDC Error ellipse: s-maj=178.0km s-min=27.3km az=31.0.
ISC XII 13 02 12 40.7–.99 7.20N–.06 79.41W–.06 35–11 3.7b,3.0s 31 2-145
IDC XII 13 02 12 33.7–1.0 7.03N 79.46W 0 3.9,3.8 ¶12077229
ISCJB XII 13 02 12 37.6–2.7 7.20N–.06 79.36W–.06 28–21 3.7b,3.0s
NEIC XII 13 02 12 40.1–3.0 7.18N 79.43W 34–23 3.8b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=49.2km s-min=20.7km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=8.1km az=44.9.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.2km az=56.0.
CASC XII 30 04 44 09.4–2.6 7.35N 82.57W 24–24 3.6
¶14269533
CASC Error ellipse: s-maj=23.3km s-min=19.6km az=-1.0.

SEISMIC REGION 7.
Caribbean Loop.

(85) Cuba region.
JSN VIII 13 23 17 02.0–6.5 19.64N 77.08W 0–334 4.1
¶14543167
JSN Error ellipse: s-maj=371.8km s-min=86.3km az=-1.0.
JSN X 09 22 06 48.1–2.1 19.24N 77.91W 7–158 3.7
¶14543212
JSN Error ellipse: s-maj=94.2km s-min=80.5km az=-1.0.
ISC X 28 23 48 54.8–.15 19.47N–.02 78.67W–.02 10 5.5s,4.7b 468 1-149
BJI X 28 23 48 53.1 19.50N 78.70W 10 5.5s,5.5b ¶11374851
ISCJB X 28 23 48 53.0–.15 19.51N–.02 78.67W–.02 10 5.5s,4.7b
IDC X 28 23 48 53.4–.45 19.47N 78.91W 0 4.9L,4.5
NEIC X 28 23 48 55.0–.20 19.48N 78.74W 10 4.9b,4.5
SSNC X 28 23 48 56.5–4.8 19.64N 78.98W 25–61 4.5L,4.5
JSN X 28 23 48 57.2–1.4 19.27N 78.50W 0–117 4.8,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.0km az=24.0.
IDC Error ellipse: s-maj=15.2km s-min=11.4km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.0km az=215.0. Felt at Montego Bay, Jamaica.
SSNC Error ellipse: s-maj=81.6km s-min=43.6km az=-1.0.
JSN Error ellipse: s-maj=81.3km s-min=111.6km az=-1.0.

(86) Jamaica region.
JSN VII 14 01 06 59.6–1.1 18.02N 76.78W 11–3 3.9
NEIC VII 14 01 06 59.4 18.03N 76.78W 16 3.9 ¶11126393
JSN Error ellipse: s-maj=3.1km s-min=1.9km az=-1.0. Moment Tensor Solution. NP1: ϕ_s249.20000°,δ52.20000°,λ26.60000°.
NEIC Event type fe. Felt at Half Way Tree and Kingston. After JSN.
JSN VIII 14 19 52 01.0–2.0 17.42N 75.42W 122–339 3.8
¶14543168
JSN Error ellipse: s-maj=443.2km s-min=60.2km az=-1.0.
JSN VIII 22 16 05 37.6–.99 18.16N 78.31W 0–9 3.6
¶14543174
JSN Error ellipse: s-maj=7.7km s-min=10.1km az=-1.0.
JSN X 21 00 33 49.4–.93 18.07N 76.51W 16–6 3.6
¶14543357
JSN Error ellipse: s-maj=10.2km s-min=6.4km az=-1.0.
JSN XI 01 14 13 39.9–.51 18.18N 77.85W 9–5 4.0
¶14543373
JSN Error ellipse: s-maj=3.4km s-min=2.1km az=-1.0.
JSN XI 01 15 12 10.0–1.1 18.09N 77.90W 22–34 3.9
¶14543375
JSN Error ellipse: s-maj=44.8km s-min=19.5km az=-1.0.

(87) Haiti region.
RSPR VIII 04 10 28 57.3 19.44N 73.28W 30–14 3.7
NEIC VIII 04 10 28 57.3 19.44N 73.28W 30 3.7 ¶11154159
JSN VIII 04 10 30 19.5–3.3 18.22N 75.70W 15–0 3.7
RSPR Event type ke.
NEIC Event type se. After RSPR.
JSN Error ellipse: s-maj=999.9km s-min=637.6km az=-1.0.
ISC VIII 05 09 49 16.1–1.5 18.61N–.03 73.53W–.02 5–10 4.3b 407 2-131
JSN VIII 05 09 49 11.5–1.4 18.91N 73.17W 0–999 5.1 ¶11154190
IDC VIII 05 09 49 13.9–.59 18.53N 73.47W 0 4.4,4.3
BJI VIII 05 09 49 14.3 18.60N 73.60W 10 4.4,4.3
ISCJB VIII 05 09 49 15.6–.99 18.56N–.03 73.51W–.02 17–8 4.3b,4.3
NEIC VIII 05 09 49 16.4–.20 18.56N 73.56W 10 4.3b,4.3
SSNC VIII 05 09 49 16.1–3.3 18.40N 73.65W 7–318 4.4L,4.1
ISC Event type se.
JSN Error ellipse: s-maj=491.7km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=20.8km s-min=13.2km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.5km az=12.6.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=207.0.
SSNC Error ellipse: s-maj=211.9km s-min=205.7km az=-1.0.
ISC VIII 15 10 06 16.5–.84 18.6N–.10 72.05W–.04 35 18 1-5
SSNC VIII 15 10 06 11.7–2.8 18.55N 71.86W 0–820 4.0,3.3L ¶11165778
ISCJB VIII 15 10 06 14.4–.87 18.5N–.10 72.07W–.04 33 4.0,3.3L
RSPR VIII 15 10 06 16.6 18.74N 71.97W 25–31 4.3,3.3L
NEIC VIII 15 10 06 16.6 18.74N 71.97W 25 4.3,3.3L
ISC Event type ke.
SSNC Error ellipse: s-maj=488.5km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=18.6km s-min=4.4km az=12.1.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 17 14 00 56.5–4.3 19.3N–.10 73.50W–.08 3–30 3.5b 19 2-154
IDC XI 17 14 00 54.5–1.4 19.13N 73.32W 0 4.0,3.7 ¶12073856
NEIC XI 17 14 00 58.5–4.3 19.28N 73.48W 20–29 4.0,3.7
JSN XI 17 14 02 26.9–10.0 18.00N 76.75W 0–72 4.0,3.7
ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=40.2km az=47.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=10.9km az=187.0.
JSN Error ellipse: s-maj=81.4km s-min=46.0km az=-1.0.

(88) Dominican Republic region.
RSPR VII 04 18 02 00.3 19.15N 69.24W 150–10 3.8,3.8
NEIC VII 04 18 02 00.3 19.15N 69.24W 150 3.8,3.8 ¶11009317
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VII 09 20 42 51.6 18.43N 69.27W 92–8 3.6,3.6
NEIC VII 09 20 42 51.6 18.43N 69.27W 92 3.6,3.6 ¶11108441
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VII 14 06 19 57.6 18.99N 69.41W 57–3 3.7,3.7
NEIC VII 14 06 19 57.6 18.99N 69.41W 57 3.7,3.7 ¶11121240
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VII 14 16 18 34.8–1.7 19.59N–.07 69.90W–.03 5–11 3.6b,3.0s 41 1-158
SSNC VII 14 16 18 31.7 23.30N 70.58W 25 4.5L,4.4 ¶11121255
ISCJB VII 14 16 18 34.3–1.4 19.69N–.07 69.85W–.03 10–10 3.6b,3.0s
IDC VII 14 16 18 34.9–1.1 19.72N 69.77W 0 3.8,3.6
NEIC VII 14 16 18 35.2–3.7 19.58N 69.87W 6–27 4.2,3.6
RSPR VII 14 16 18 38.2 19.63N 69.86W 5–31 4.2,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=4.2km az=14.6.
IDC Error ellipse: s-maj=35.0km s-min=31.6km az=20.0.
NEIC Event type fe. Error ellipse: s-maj=17.5km s-min=6.5km az=198.0. Felt at Nagua.
RSPR Event type ke.
RSPR VIII 02 19 55 26.3 20.00N 69.73W 114–1
NEIC VIII 02 19 55 26.3 20.00N 69.73W 114 3.5 ¶11154109
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 05 10 42 45.2 18.29N 69.16W 97–10 3.3
NEIC VIII 05 10 42 45.2 18.29N 69.16W 97 3.3 ¶11154195
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 06 06 25 50.5 18.47N 69.04W 101–18 3.7
¶11158572
RSPR Event type ke.
RSPR VIII 07 11 20 44.3 18.71N 69.08W 146–1 3.8
NEIC VIII 07 11 20 44.3 18.71N 69.08W 146 3.8 ¶11159850
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 07 19 43 03.7 19.57N 69.36W 66–2 3.7
NEIC VIII 07 19 43 03.7 19.57N 69.36W 66 3.7 ¶11159942
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 08 21 50 50.1 19.99N 70.45W 113–4 3.5
¶11160014
RSPR Event type ke.
ISC VIII 13 23 03 08.9–.84 19.60N–.03 69.96W–.02 2–5 4.4b,3.5s 304 1-157
IDC VIII 13 23 03 06.7–.59 19.41N 70.02W 0 4.3,4.2 ¶11164839
ISCJB VIII 13 23 03 07.4–.81 19.61N–.03 69.97W–.02 3–5 4.4b,3.5s
NEIC VIII 13 23 03 09.7–.20 19.58N 69.97W 10 4.6b,4.1
RSPR VIII 13 23 03 13.8 19.55N 69.95W 5–7 4.1,4.1
JSN VIII 13 23 04 33.5–34 18.39N 77.26W 0–280 4.6,4.1
ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=16.0km az=43.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=2.4km az=21.2.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.1km az=210.0. Felt at Santiago.
RSPR Event type ke.
JSN Error ellipse: s-maj=999.9km s-min=471.5km az=-1.0.
RSPR VIII 18 14 49 56.0 20.27N 70.66W 53–14 4.0
¶11169846
RSPR Event type ke.
RSPR VIII 18 20 49 59.4 19.93N 70.58W 98–6
NEIC VIII 18 20 49 59.4 19.93N 70.58W 98 3.8 ¶11169850
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 26 03 09 05.6 19.88N 70.60W 96–8 4.0
NEIC VIII 26 03 09 05.6 19.88N 70.60W 96 4.0 ¶11208022
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 26 17 35 22.8 18.80N 69.04W 136–1 3.7
NEIC VIII 26 17 35 22.8 18.80N 69.04W 136 3.7 ¶11208046
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 26 22 57 52.5 19.92N 70.58W 99–4 3.7
NEIC VIII 26 22 57 52.5 19.92N 70.58W 99 3.7 ¶11208056
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 29 19 05 29.8 19.38N 70.50W 83–5 3.5
NEIC VIII 29 19 05 29.8 19.38N 70.51W 83 3.5 ¶11223895
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 07 00 36 51.9 19.55N 70.42W 110–4 4.1
NEIC IX 07 00 36 51.9 19.55N 70.42W 110 4.2 ¶11245826
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 14 19 39 25.0–1.3 20.19N–.09 70.6W–.10 41–15 3.7b,3.6s 25 4-69
ISCJB IX 14 19 39 22.9–1.5 20.09N–.10 70.7W–.10 40–16 3.7b,3.6s ¶11910282
IDC IX 14 19 39 25.0–4.3 20.09N 70.77W 38–41 4.4L,3.8
NEIC IX 14 19 39 24.7–1.3 20.15N 70.71W 36–15 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=10.4km az=143.5.
IDC Error ellipse: s-maj=30.7km s-min=17.2km az=45.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.0km az=222.0.
RSPR IX 14 20 15 21.5 18.34N 69.16W 97–6 3.6
NEIC IX 14 20 15 21.5 18.34N 69.16W 97 3.6 ¶11277550
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 25 08 36 47.8–1.5 19.4N–.20 69.34W–.06 35 19 2-3
NEIC IX 25 08 36 44.7–3.6 19.48N 69.34W 10 3.7 ¶11308760
ISCJB IX 25 08 36 47.1–1.5 19.3N–.20 69.34W–.06 33 3.7
RSPR IX 25 08 36 48.7 20.53N 68.31W 25–8 3.6
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=103.0km s-min=9.0km az=186.0.
ISCJB Event type ke. Error ellipse: s-maj=34.5km s-min=5.3km az=9.4.
RSPR Event type ke.
RSPR IX 25 16 35 57.1 19.67N 69.51W 37–58 3.6
NEIC IX 25 16 35 57.1 19.67N 69.51W 37 3.6 ¶11308771
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC X 12 11 40 14.6–1.2 18.57N–.05 71.35W–.03 2–8 3.8b 59 0-89
IDC X 12 11 40 11.8–.88 18.72N 71.11W 0 4.1,3.9 ¶11346077
SSNC X 12 11 40 12.0–3.4 18.04N 71.01W 34–999 4.2,3.6L
ISCJB X 12 11 40 13.4–1.0 18.53N–.05 71.35W–.03 8–6 3.8b,3.6L
NEIC X 12 11 40 17.0 18.70N 71.28W 5 4.4,3.6L
RSPR X 12 11 40 17.0 18.70N 71.28W 5–8 4.3,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=21.9km az=16.0.
SSNC Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=3.4km az=15.4.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC X 14 12 32 35.7–1.4 17.8N–.30 69.75W–.08 109–39 56 2-4
ISCJB X 14 12 32 34.9–1.4 17.9N–.40 69.73W–.08 121–25 ¶11348183
NEIC X 14 12 32 35.9 17.92N 69.71W 119 3.9
RSPR X 14 12 32 35.9 17.92N 69.71W 119–2 3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=58.7km s-min=7.1km az=9.4.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR X 21 16 55 10.9 19.16N 71.37W 166–5 4.5
¶11360736
RSPR Event type ke.
RSPR X 23 20 53 52.8 19.95N 71.09W 111–22 4.6
¶11362183
RSPR Event type ke.
RSPR XI 02 04 07 20.1 19.00N 69.42W 138–6 4.0
NEIC XI 02 04 07 20.1 19.00N 69.42W 138 4.0 ¶11383181
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 06 05 59 14.4–1.4 18.2N–.40 70.97W–.09 87–58 38 1-6
RSPR XI 06 05 59 14.8 18.11N 70.94W 80–8 4.2 ¶11396245
NEIC XI 06 05 59 14.8 18.11N 70.94W 80 4.2
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 08 05 11 59.6 18.11N 69.89W 133–8 4.0

NEIC	XI	08 05 11 59.6	18.11N	69.89W	134	4.0	¶11396809
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**XI**	**27 10 15 30.8**	**18.23N**	**69.04W**	**131–13**	**3.7**	¶11479755
RSPR		Event type ke.					
ISC	**XI**	**27 22 29 26.2–.52**	**18.9N–.10**	**69.44W–.05**	**110–5**	**3.5b**	**57 0-158**
IDC	XI	27 22 29 06.9–4.1	18.52N	68.23W	0	3.9,3.6	¶11479769
ISCJB	XI	27 22 29 25.1–.53	18.9N–.10	69.43W–.05	118–5	3.5b,3.6	
NEIC	XI	27 22 29 25.2	19.20N	69.36W	125	4.1,3.6	
RSPR	XI	27 22 29 25.2	19.20N	69.36W	125–4	4.1,3.6	
ISC		Event type ke.					
IDC		Error ellipse: s-maj=107.8km s-min=59.3km az=97.0.					
ISCJB		Event type ke. Error ellipse: s-maj=23.6km s-min=5.4km az=16.9.					
NEIC		Event type se. After RSPR.					
RSPR		Event type ke.					
ISC	**XII**	**18 17 13 48.6–.10**	**18.65N–.02**	**69.39W–.01**	**106**	**5.1b**	**1193 0-166**
RSPR	XII	18 17 13 46.0	19.03N	69.38W	132–5	5.2	¶12078070
ISCJB	XII	18 17 13 46.9–.10	18.68N–.02	69.38W–.01	104	5.1b	
MOS	XII	18 17 13 46.6–.84	18.73N	69.40W	100	5.3b	
IDC	XII	18 17 13 46.7–.43	18.37N	69.49W	99–3	4.9,4.9	
LDG	XII	18 17 13 46.4–.40	18.50N	69.40W	106–0	5.1b,3.8s	
NEIC	XII	18 17 13 47.9–.10	18.62N	69.41W	104	5.3b,3.8s	
BJI	XII	18 17 13 47.9	18.60N	69.40W	104	5.0b,3.8s	
GCMT	XII	18 17 13 48.8–.20	18.73N	69.33W	93–1	5.1W,3.8s	
SZGRF	XII	18 17 13 52.4	18.13N	67.83W	105	5.3b,3.8s	
JSN	XII	18 17 15 06.9–1.1	18.53N	75.63W	0–219	5.3b,3.8s	
ISC		Event type fe.					
RSPR		Event type ke.					
ISCJB		Event type fe. Error ellipse: s-maj=3.3km s-min=1.4km az=18.0.					
MOS		Error ellipse: s-maj=4.7km s-min=4.3km az=75.2.					
IDC		Error ellipse: s-maj=9.3km s-min=8.2km az=47.0.					
LDG		Event type ke. Error ellipse: s-maj=19.7km s-min=12.7km az=82.0.					
NEIC		Event type fe. Error ellipse: s-maj=3.0km s-min=1.8km az=204.0. Felt [II] at Santiago. Also felt at Azua, Cotui, Jarabacoa, La Vega, Maimon, Moca, San Cristobal, San Francisco de Macoris and Sosua. Felt at Mayaguez, Puerto Rico.					
GCMT		Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c78; s91,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}5.56±.12 $M_{\theta\theta}$-1.29±.17; $M_{\phi\phi}$-4.27±.17; $M_{r\theta}$-1.41±.11; $M_{\theta\phi}$3.32±.14; $M_{\phi r}$0.45±.13; Best double couple: NP1:ϕ_s158.00000°,δ41.00000°,λ106.00000°. NP2:ϕ_s317.00000°,δ51.00000°,λ77.00000°. Principal axes: T 5.8400,Plg78.0000° ,Azm174.0000°; N 0.6900,Plg10.0000°,Azm325.0000°; P -6.5300,Plg5.0000°,Azm56.0000° M_o6.20000×10^{16}					
SZGRF		Mona Passage.					
JSN		Error ellipse: s-maj=84.9km s-min=181.2km az=-1.0.					
RSPR	**XII**	**28 23 34 44.3**	**20.30N**	**70.96W**	**65–11**	**4.2**	¶11521297
RSPR		Event type ke.					

(89) Mona Passage.

RSPR	**VII**	**03 11 34 47.7**	**18.28N**	**68.41W**	**67–5**	**3.2,3.2**	
NEIC	VII	03 11 34 47.7	18.28N	68.41W	67	3.2,3.2	¶11008898
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**VII**	**04 00 14 40.0**	**19.21N**	**67.83W**	**96–2**		
NEIC	VII	04 00 14 40.0	19.21N	67.83W	96	3.7	¶11009298
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**VII**	**04 12 44 32.4**	**19.21N**	**67.66W**	**10–31**	**3.0,3.0**	
NEIC	VII	04 12 44 32.4	19.21N	67.66W	10	3.0,3.0	¶11009310
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**VII**	**09 20 50 15.1**	**18.27N**	**68.01W**	**101–1**	**3.3,3.3**	
NEIC	VII	09 20 50 15.1	18.27N	68.01W	101	3.3,3.3	¶11108442
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**VII**	**10 09 27 04.7**	**18.99N**	**67.89W**	**38–9**	**3.6,3.6**	
NEIC	VII	10 09 27 04.7	18.99N	67.89W	38	3.6,3.6	¶11109018
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**VII**	**18 01 23 13.9**	**17.92N**	**68.53W**	**80–6**	**3.5**	¶11133619
RSPR		Event type ke.					
ISC	**VII**	**18 10 55 58.9–.39**	**18.11N–.06**	**68.22W–.03**	**81–4**	**3.6b**	**76 0-126**
BJI	VII	18 10 55 56.4	18.20N	68.20W	78	4.5s,4.5	¶11133632
ISCJB	VII	18 10 55 57.8–.41	18.06N–.06	68.21W–.03	91–4	3.6b,4.5	
IDC	VII	18 10 55 58.6–2.4	18.02N	68.18W	84–33	3.7,3.5	
NEIC	VII	18 10 55 59.4	18.22N	68.23W	78	4.1,3.5	
RSPR	VII	18 10 55 59.4	18.22N	68.23W	78–1	4.1,3.5	
ISC		Event type fe.					
ISCJB		Event type fe. Error ellipse: s-maj=10.5km s-min=4.4km az=12.3.					
IDC		Error ellipse: s-maj=29.7km s-min=18.2km az=132.0.					
NEIC		Event type fe. Felt [III] at Mayaguez, Puerto Rico. After RSPR.					
RSPR		Event type ke.					
ISC	**VII**	**22 13 29 27.1–.39**	**18.58N–.07**	**68.36W–.03**	**132–4**	**3.5b**	**54 0-159**
ISCJB	VII	22 13 29 25.9–.38	18.57N–.07	68.37W–.03	136–4	3.5b	¶11136698
IDC	VII	22 13 29 26.5–1.9	18.38N	68.33W	135–30	3.7,3.5	
NEIC	VII	22 13 29 27.7	18.64N	68.34W	127	4.1,3.5	
RSPR	VII	22 13 29 27.7	18.64N	68.34W	127–2	4.1,3.5	
ISC		Event type fe.					
ISCJB		Event type fe. Error ellipse: s-maj=12.3km s-min=4.0km az=13.0.					
IDC		Error ellipse: s-maj=37.1km s-min=27.2km az=150.0.					
NEIC		Event type fe. Felt [III] at Aguada, Puerto Rico. After RSPR.					
RSPR		Event type ke.					
RSPR	**VII**	**22 22 44 03.0**	**18.86N**	**68.48W**	**100–4**	**3.4**	
NEIC	VII	22 22 44 03.0	18.86N	68.48W	100	3.4	¶11136720
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**VII**	**23 05 35 02.2**	**18.92N**	**68.05W**	**90–3**	**3.5**	
NEIC	VII	23 05 35 02.2	18.92N	68.05W	90	3.5	¶11153597
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**VII**	**27 21 30 33.2**	**19.11N**	**67.73W**	**68–12**	**3.5**	
NEIC	VII	27 21 30 33.2	19.11N	67.73W	68	3.5	¶11153840
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**VIII**	**02 02 19 14.3**	**18.61N**	**68.29W**	**121–10**		
NEIC	VIII	02 02 19 14.3	18.62N	68.29W	121	3.5	¶11154091
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**VIII**	**05 09 34 39.3**	**18.12N**	**68.80W**	**118–2**	**3.7**	
NEIC	VIII	05 09 34 39.3	18.12N	68.80W	118	3.7	¶11154188
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
ISC	**VIII**	**06 18 30 21.8–1.3**	**18.6N–.20**	**68.92W–.07**	**111–19**		**26 1-3**
ISCJB	VIII	06 18 30 20.8–1.2	18.6N–.20	68.92W–.07	116–15		¶11158588
RSPR	VIII	06 18 30 21.9	18.58N	68.92W	110–2	3.9	
NEIC	VIII	06 18 30 21.9	18.58N	68.92W	110	3.9	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=36.8km s-min=6.2km az=14.2.					
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**VIII**	**15 02 05 20.6**	**18.19N**	**68.43W**	**94–7**	**3.4**	
NEIC	VIII	15 02 05 20.6	18.19N	68.43W	94	3.4	¶11165766
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**VIII**	**20 06 07 59.1**	**19.76N**	**67.92W**	**11–5**	**3.3**	
NEIC	VIII	20 06 07 59.1	19.76N	67.92W	11	3.3	¶11180552
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**VIII**	**29 17 20 52.3**	**18.16N**	**67.61W**	**67–1**	**3.1**	
NEIC	VIII	29 17 20 52.3	18.16N	67.61W	67	3.1	¶11223892
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
ISC	**IX**	**01 18 11 47.5–.42**	**18.56N–.08**	**68.74W–.04**	**136–4**	**3.5b**	**48 1-158**
IDC	IX	01 18 11 45.5–2.1	18.34N	68.87W	121–18	3.7,3.5b	¶11227361
ISCJB	IX	01 18 11 46.4–.42	18.60N–.09	68.73W–.04	143–4	3.5b,3.5b	
RSPR	IX	01 18 11 47.6	18.71N	68.67W	138–3	4.1,3.5b	
NEIC	IX	01 18 11 47.6	18.71N	68.67W	138	4.1,3.5b	
ISC		Event type ke.					
IDC		Error ellipse: s-maj=22.0km s-min=19.0km az=178.0.					
ISCJB		Event type ke. Error ellipse: s-maj=14.7km s-min=5.2km az=16.4.					
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**IX**	**02 23 06 25.6**	**18.18N**	**67.63W**	**2–2**	**3.3**	
NEIC	IX	02 23 06 25.6	18.18N	67.63W	2	3.3	¶11230941
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**IX**	**05 12 14 57.5**	**19.49N**	**67.07W**	**29–28**		
NEIC	IX	05 12 14 57.5	19.49N	67.07W	29	3.5	¶11232753
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**IX**	**06 07 26 48.1**	**18.73N**	**67.40W**	**11–1**	**3.2**	
NEIC	IX	06 07 26 48.1	18.73N	67.40W	11	3.2	¶11232786
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**IX**	**06 08 28 59.9**	**18.72N**	**67.40W**	**12–1**	**3.1**	
NEIC	IX	06 08 28 59.9	18.72N	67.40W	12	3.1	¶11232792
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**IX**	**08 00 54 23.2**	**18.22N**	**69.00W**	**117–5**	**3.5**	
NEIC	IX	08 00 54 23.2	18.22N	69.00W	117	3.5	¶11245849
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**IX**	**10 23 42 43.1**	**18.38N**	**68.92W**	**129–3**	**3.7**	
NEIC	IX	10 23 42 43.1	18.38N	68.92W	129	3.7	¶11255648
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**IX**	**21 17 34 57.0**	**18.20N**	**68.08W**	**108–1**	**3.4**	
NEIC	IX	21 17 34 57.0	18.20N	68.08W	108	3.4	¶11282368
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**IX**	**22 02 46 19.0**	**17.77N**	**68.91W**	**89–24**		
NEIC	IX	22 02 46 19.0	17.77N	68.91W	89	3.5	¶11284051
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**X**	**11 03 58 46.4**	**18.31N**	**68.44W**	**73–3**	**3.4**	
NEIC	X	11 03 58 46.4	18.31N	68.44W	73	3.4	¶11344975
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**X**	**26 21 58 12.7**	**17.91N**	**68.37W**	**71–16**	**3.5**	
NEIC	X	26 21 58 12.7	17.91N	68.37W	71	3.5	¶11362771
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**X**	**29 04 35 09.8**	**18.19N**	**68.56W**	**142–1**	**3.8**	
NEIC	X	29 04 35 09.8	18.19N	68.56W	142	3.8	¶11378607
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**XI**	**08 04 22 07.3**	**18.10N**	**68.44W**	**179–2**	**3.9**	
NEIC	XI	08 04 22 07.3	18.10N	68.44W	179	3.9	¶11396807
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**XI**	**08 22 25 47.7**	**17.77N**	**68.37W**	**52–5**	**3.4**	
NEIC	XI	08 22 25 47.7	17.77N	68.37W	52	3.4	¶11396838
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**XI**	**10 04 07 21.0**	**18.27N**	**68.26W**	**142–3**	**3.7**	
NEIC	XI	10 04 07 21.0	18.27N	68.26W	142	3.8	¶11415159
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**XI**	**11 04 07 33.6**	**17.96N**	**68.73W**	**42–7**		
NEIC	XI	11 04 07 33.6	17.96N	68.73W	42	2.9	¶11433892
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**XI**	**13 08 22 57.1**	**18.67N**	**68.41W**	**83–4**	**3.5**	
NEIC	XI	13 08 22 57.1	18.67N	68.41W	83	3.5	¶11451603
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
ISC	**XI**	**15 11 58 31.9–.31**	**18.28N–.05**	**68.43W–.03**	**147–2**	**4.0b**	**115 1-158**
BJI	XI	15 11 58 29.4	18.50N	68.30W	158	5.0b	¶11453193
ISCJB	XI	15 11 58 30.8–.31	18.31N–.05	68.42W–.03	155–2	4.0b	
IDC	XI	15 11 58 30.6–.70	18.12N	68.52W	144–6	3.8,3.6	
RSPR	XI	15 11 58 31.5	18.55N	68.34W	158–2	4.3,3.6	
NEIC	XI	15 11 58 31.5	18.55N	68.34W	158	4.5b,4.3	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=7.6km s-min=4.6km az=2.8.					
IDC		Error ellipse: s-maj=14.5km s-min=8.3km az=11.0.					
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**XI**	**20 00 36 02.2**	**18.24N**	**68.03W**	**108–2**	**3.1**	
NEIC	XI	20 00 36 02.5	18.05N	68.07W	87	3.2	¶11473082
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
ISC	**XI**	**25 05 55 18.9–.64**	**18.18N–.05**	**67.33W–.04**	**20–4**	**3.3b**	**53 0-69**
IDC	XI	25 05 55 16.9–1.0	18.77N	66.97W	0	3.7,3.6	¶11474937
ISCJB	XI	25 05 55 18.3–.61	18.19N–.06	67.36W–.04	25–3	3.3b,3.6	
NEIC	XI	25 05 55 19.8	18.18N	67.30W	21	3.3,3.6	
RSPR	XI	25 05 55 19.8	18.18N	67.30W	21–1	3.3,3.6	
ISC		Event type fe.					
IDC		Error ellipse: s-maj=60.3km s-min=14.5km az=36.0.					
ISCJB		Event type fe. Error ellipse: s-maj=9.8km s-min=6.0km az=13.1.					
NEIC		Event type fe. Felt [V] at Aguada, Isabela and Mayaguez. After RSPR.					
RSPR		Event type ke.					
RSPR	**XI**	**26 09 47 06.4**	**18.35N**	**68.81W**	**125–4**	**3.7**	
NEIC	XI	26 09 47 06.4	18.35N	68.81W	125	3.7	¶11478070
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
RSPR	**XI**	**29 01 44 20.0**	**18.18N**	**68.72W**	**167–2**	**3.7**	¶11482907
RSPR		Event type ke.					
RSPR	**XII**	**17 01 45 34.5**	**18.85N**	**67.48W**	**17–13**	**3.1**	
NEIC	XII	17 01 45 34.5	18.85N	67.48W	17	3.1	¶12077837
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					

(90) Puerto Rico region.

ISC	**VII**	**05 07 50 37.5–3.6**	**19.0N–.20**	**65.1W–.20**	**26–23**		**14 1-1**
RSPR	VII	05 07 50 39.3	18.96N	64.98W	40–9		¶11009339
NEIC	VII	05 07 50 39.3	18.96N	64.98W	40	3.3	
ISC		Event type ke.					
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					
ISC	**VII**	**10 01 41 11.9–1.5**	**19.44N–.03**	**65.38W–.03**	**9–10**	**3.9b,3.9s**	**118 1-129**
IDC	VII	10 01 41 09.2–.89	19.45N	65.21W	0	4.0,3.8	¶11109002
ISCJB	VII	10 01 41 10.2–1.2	19.50N–.03	65.36W–.03	7–9	3.9b,3.9s	
RSPR	VII	10 01 41 12.8	19.54N	65.34W	6–2	4.8,4.8	
NEIC	VII	10 01 41 13.0	19.36N	65.25W	98	4.1b,4.8	
BJI	VII	10 01 41 22.9	19.40N	65.30W	97	4.7b,4.8	
ISC		Event type ke.					
IDC		Error ellipse: s-maj=24.4km s-min=15.7km az=91.0.					
ISCJB		Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=169.2.					
RSPR		Event type ke.					
NEIC		Event type se. After RSPR.					

RSPR VII 13 16 26 06.1 19.50N 65.31W 62–12 3.7,3.7
NEIC VII 13 16 26 06.1 19.50N 65.31W 62 3.7,3.7 ¶11121221
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VII 13 22 14 30.3 19.49N 65.32W 93–12 3.6,3.6
NEIC VII 13 22 14 30.3 19.49N 65.32W 93 3.6,3.6 ¶11121230
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VII 19 13 01 19.0 19.09N 65.41W 156–4
¶11133680
RSPR Event type ke.
RSPR VII 19 14 56 24.9 19.08N 65.18W 157–12 3.8
¶11133685
RSPR Event type ke.
RSPR VII 20 17 20 34.0 19.65N 66.39W 45–25 3.6
¶11134002
RSPR Event type ke.
RSPR VIII 03 03 13 35.9 18.97N 65.89W 11–7
¶11154123
RSPR Event type ke.
ISC VIII 05 18 28 17.3–1.1 17.75N–.06 65.66W–.03 4–12 49 0-2
ISCJB VIII 05 18 28 17.7–1.4 17.78N–.07 65.66W–.03 8–7 ¶11154205
RSPR VIII 05 18 28 19.2 17.86N 65.70W 3–1 3.0
NEIC VIII 05 18 28 19.2 17.86N 65.70W 3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=4.5km az=171.4.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 06 02 56 48.2 17.87N 65.66W 6–1 2.9
NEIC VIII 06 02 56 48.2 17.87N 65.66W 6 2.9 ¶11158566
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 08 21 13 25.3 18.64N 66.94W 13–2 2.8
NEIC VIII 08 21 13 25.3 18.64N 66.94W 13 2.8 ¶11160012
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 09 08 44 54.6 19.55N 65.17W 50–15 3.5
NEIC VIII 09 08 44 54.6 19.55N 65.17W 50 3.5 ¶11167598
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 10 04 45 56.7 19.31N 65.32W 111–7
NEIC VIII 10 04 45 56.7 19.31N 65.32W 111 3.5 ¶11160958
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 12 12 05 48.1 17.89N 65.66W 6–1
NEIC VIII 12 12 05 48.1 17.89N 65.66W 6 2.5 ¶11167605
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 14 01 48 54.6 19.74N 65.49W 61–11 3.4
NEIC VIII 14 01 48 54.6 19.74N 65.49W 61 3.5 ¶11167608
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VIII 14 12 17 01.0–2.2 19.51N–.05 65.48W–.08 21–19 3.4b 41 1-162
IDC VIII 14 12 16 56.5–3.3 19.51N 65.27W 0 3.9,3.5 ¶11165632
ISCJB VIII 14 12 17 01.0–.80 19.58N–.05 65.50W–.07 33 3.4b,3.5
RSPR VIII 14 12 17 02.3 19.58N 65.48W 43–24 3.8,3.5
NEIC VIII 14 12 17 02.3 19.58N 65.48W 43 3.8,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=77.0km s-min=23.5km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.5km az=6.1.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 17 19 13 04.7 19.73N 65.02W 185–13 3.8
NEIC VIII 17 19 13 04.7 19.73N 65.02W 185 3.8 ¶11167635
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 18 06 18 05.8 19.08N 65.35W 142–5
NEIC VIII 18 06 18 05.8 19.08N 65.35W 142 3.5 ¶11169837
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 19 00 17 11.7 19.13N 66.92W 18–2 3.5
NEIC VIII 19 00 17 11.7 19.13N 66.92W 18 3.5 ¶11169853
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 19 09 17 44.6 18.57N 65.42W 107–1 3.1
NEIC VIII 19 09 17 44.6 18.57N 65.42W 107 3.1 ¶11169868
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 20 16 08 44.3 18.31N 66.05W 120–1 3.0
NEIC VIII 20 16 08 44.3 18.31N 66.05W 120 3.0 ¶11180571
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 26 11 15 17.4 17.99N 65.69W 10–1 2.2
¶11208038
RSPR Event type ke.
RSPR VIII 26 20 02 27.6 19.49N 65.77W 80–10 3.5
NEIC VIII 26 20 02 27.6 19.49N 65.77W 80 3.5 ¶11208047
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 26 21 45 26.6 19.39N 65.77W 95–8 3.6
NEIC VIII 26 21 45 26.6 19.39N 65.77W 95 3.6 ¶11208053
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 30 03 46 49.2 19.41N 65.81W 94–10 3.5
NEIC VIII 30 03 46 49.2 19.41N 65.81W 94 3.5 ¶11223906
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 09 15 43 01.5–.73 19.10N–.04 66.75W–.04 10 30 1-5
ISCJB IX 09 15 43 00.7–.78 19.14N–.04 66.76W–.04 10 ¶11255596
NEIC IX 09 15 43 02.0–1.9 19.11N 66.79W 16–13 3.6L
RSPR IX 09 15 43 05.2 19.08N 66.83W 20–26 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.3km az=19.1.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.0km az=210.0.
RSPR Event type ke.
RSPR IX 10 17 00 38.1 19.90N 65.03W 25–30 3.5
NEIC IX 10 17 00 38.1 19.90N 65.03W 25 3.5 ¶11255641
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 16 11 31 24.1–1.5 19.14N–.03 66.21W–.03 30–13 3.9b 58 1-161
ISCJB IX 16 11 31 24.3–.74 19.10N–.07 66.15W–.03 47–10 3.9b ¶11277603
RSPR IX 16 11 31 25.0 19.08N 66.12W 8–1 3.8
IDC IX 16 11 31 25.3–1.8 19.03N 66.25W 44–21 4.0,3.8
NEIC IX 16 11 31 25.0 19.08N 66.12W 8 3.8,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=4.1km az=179.9.
RSPR Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=13.5km az=172.0.
NEIC Event type fe. Felt at Arecibo, Rio Piedras and San Juan. After RSPR.
ISC IX 19 18 08 53.7–.35 18.35N–.09 66.02W–.03 126–3 4.0b 53 0-161
ISCJB IX 19 18 08 52.6–.35 18.35N–.09 66.02W–.03 132–3 3.8b ¶11280408
IDC IX 19 18 08 53.0–.52 18.23N 65.94W 128–4 3.8,3.6b
RSPR IX 19 18 08 54.5 18.47N 66.04W 120–0 3.8,3.6b
NEIC IX 19 18 08 54.5 18.47N 66.04W 120 3.8,3.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.7km s-min=4.5km az=7.6.
IDC Error ellipse: s-maj=19.3km s-min=10.1km az=26.0.
RSPR Event type ke.
NEIC Event type fe. Felt [IV] at Guaynabo. Also felt at Bayamon, Dorado, Mayaguez, Naranjito, San Juan, Trujillo Alto and Toa Alta. After RSPR.
RSPR IX 21 02 47 46.4 19.65N 65.99W 117–29 3.6
NEIC IX 21 02 47 46.4 19.65N 65.99W 117 3.6 ¶11282349
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 22 05 05 25.9 19.15N 66.78W 25–18 3.1
NEIC IX 22 05 05 25.9 19.15N 66.78W 25 3.1 ¶11284053
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 04 23 00 57.9 19.20N 66.48W 25–20 3.4
NEIC X 04 23 00 57.9 19.20N 66.48W 25 3.4 ¶11328066
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 12 10 51 18.5 19.32N 65.27W 44–26 3.1
NEIC X 12 10 51 18.5 19.32N 65.27W 44 3.1 ¶11346076
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 12 21 02 12.8 18.68N 65.85W 25–9 2.6
¶11346106
RSPR Event type ke.
RSPR X 12 21 26 36.4 19.24N 65.16W 34–23 3.1
NEIC X 12 21 26 36.4 19.24N 65.16W 34 3.1 ¶11346107
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 13 23 46 29.7 19.97N 65.17W 25–34
NEIC X 13 23 46 29.7 19.97N 65.17W 25 3.3 ¶11348146
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 17 17 40 07.1 19.09N 66.80W 25–15 3.4
NEIC X 17 17 40 07.1 19.09N 66.80W 25 3.4 ¶11359124
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 18 09 55 49.1 19.47N 66.38W 36–21 3.5
NEIC X 18 09 55 49.1 19.47N 66.38W 36 3.5 ¶11359813
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 20 13 54 05.6 18.99N 65.02W 12–1
¶11360331
RSPR Event type ke.
ISC X 20 14 51 26.6–1.0 18.9N–.10 65.01W–.07 47–44 70 1-2
ISCJB X 20 14 51 26.2–.95 19.0N–.10 65.04W–.07 40–60 ¶11360334
NEIC X 20 14 51 27.3 18.92N 65.00W 51 3.5
RSPR X 20 14 51 27.3 18.92N 65.00W 51–5 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.7km s-min=7.5km az=153.8.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR X 25 00 11 06.4 18.97N 65.05W 28–8 3.1
NEIC X 25 00 11 06.4 18.97N 65.05W 28 3.1 ¶11362609
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 27 13 44 59.9 18.84N 65.11W 44–3 2.9
NEIC X 27 13 44 59.9 18.84N 65.11W 44 2.9 ¶11370114
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 27 15 12 19.7 17.71N 65.25W 14–1 2.7
NEIC X 27 15 12 19.7 17.71N 65.25W 14 2.7 ¶11370117
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 27 20 28 20.7 18.96N 65.22W 8–8 3.0
¶11370125
RSPR Event type ke.
RSPR X 29 16 52 57.7 17.80N 65.96W 45–2 2.5
¶11378635
RSPR Event type ke.
ISC XI 02 20 42 34.0–.78 19.41N–.02 66.37W–.02 5–5 5.2s,5.1b 542 1-174
IDC XI 02 20 42 32.9–.40 19.38N 66.30W 0 5.0,5.0s ¶11383224
LDG XI 02 20 42 32.4–.65 19.58N 66.36W 10–0 5.3b,4.9s
ISCJB XI 02 20 42 33.1–1.1 19.47N–.02 66.36W–.02 8–7 5.2s,5.1b
MOS XI 02 20 42 36.4–1.1 19.41N 66.38W 33 5.3b,5.1s
NEIC XI 02 20 42 37.1 19.43N 66.38W 10 5.5,5.4W
BJI XI 02 20 42 37.1 19.40N 66.40W 10 5.6s,5.6b
RSPR XI 02 20 42 37.1 19.43N 66.38W 10–31 5.5,5.2
ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=10.6km az=91.0.
LDG Event type ke. Error ellipse: s-maj=29.3km s-min=9.5km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=142.7.
MOS Error ellipse: s-maj=6.0km s-min=4.7km az=105.3.
NEIC Event type fe. Felt [V] at San Juan. Also felt at Caguas, Carolina, Guaynabo and Mayaguez. After RSPR. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{r\phi}$0.00 Best double couple: NP1:ϕ_s322.00000°,δ71.00000° ,λ90.00000°. NP2:ϕ_s142.00000°,δ19.00000°,λ90.00000°. Principal axes: T 1.3600,Plg64.0000°,Azm232.0000°; N 0.3300,Plg0.0000°,Azm141.0000° ; P -1.7000,Plg25.0000°,Azm51.0000° M_o1.60000×10^{17}
RSPR Event type ke.
RSPR XI 02 20 46 16.9 19.52N 66.29W 9–28
NEIC XI 02 20 46 16.9 19.52N 66.29W 9 3.1 ¶11392403
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 02 21 00 59.9–1.2 19.53N–.02 66.31W–.03 5–7 4.5b 143 1-152
ISCJB XI 02 21 00 59.4–1.1 19.57N–.02 66.34W–.03 10–7 4.5b ¶11383229
IDC XI 02 21 01 00.7–.43 19.54N 66.38W 0 4.4,4.3
RSPR XI 02 21 01 02.2 19.65N 66.28W 21–28 3.5,4.3
NEIC XI 02 21 01 02.2 19.65N 66.28W 21 4.8b,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=161.6.
IDC Error ellipse: s-maj=13.0km s-min=10.4km az=57.0.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 02 21 02 34.8–2.5 19.42N–.04 66.26W–.06 17–16 3.8b 36 1-69
IDC XI 02 21 02 32.0–1.0 19.40N 66.25W 0 4.2,3.9 ¶11391070
ISCJB XI 02 21 02 34.6–2.3 19.48N–.04 66.27W–.06 28–18 3.8b,3.9
NEIC XI 02 21 02 36.2 19.52N 66.26W 47 3.2,3.9
RSPR XI 02 21 02 36.2 19.52N 66.26W 47–24 3.2,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=17.1km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.9km az=155.2.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC XI 02 21 05 18.6–1.4 19.42N–.03 66.36W–.04 10–8 4.0b 61 1-161
IDC XI 02 21 05 17.2–.86 19.51N 66.21W 0 4.2,3.9b ¶11383230
ISCJB XI 02 21 05 18.9–1.2 19.48N–.03 66.36W–.04 23–9 4.0b,3.9b
NEIC XI 02 21 05 20.7 19.51N 66.37W 49 3.6,3.9b
RSPR XI 02 21 05 20.7 19.51N 66.37W 49–21 3.6,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=14.8km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.2km az=160.4.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR XI 02 21 09 52.5 19.21N 66.29W 66–15 2.9
NEIC XI 02 21 09 52.5 19.21N 66.29W 66 2.9 ¶11393541
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 02 21 39 04.4 19.58N 66.19W 42–28 3.1
NEIC XI 02 21 39 04.4 19.58N 66.19W 42 3.1 ¶11391073
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 02 21 41 45.2–1.5 19.40N–.04 66.33W–.04 21–10 3.4b 44 1-69
IDC XI 02 21 41 42.3–1.1 19.41N 66.34W 0 3.7,3.4b ¶11383231
ISCJB XI 02 21 41 45.1–.70 19.46N–.04 66.35W–.04 33 3.4b,3.4b
NEIC XI 02 21 41 46.7 19.47N 66.33W 36 3.4,3.4b
RSPR XI 02 21 41 46.7 19.47N 66.33W 35–15 3.4,3.4b
ISC Event type ke.

IDC Error ellipse: s-maj=33.4km s-min=19.0km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.1km az=40.7.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC XI 02 21 45 17.8–1.2 19.39N–.04 66.32W–.04 5–6 3.6b 46 1-65
IDC XI 02 21 45 17.0–1.1 19.41N 66.41W 0 3.9,3.6 **¶11383233**
ISCJB XI 02 21 45 18.0–1.3 19.46N–.05 66.34W–.04 17–9 3.6b,3.6
NEIC XI 02 21 45 20.4 19.42N 66.37W 6 3.7,3.6
RSPR XI 02 21 45 20.4 19.42N 66.37W 6–3 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=17.9km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.9km az=27.1.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR XI 02 22 41 11.9 19.56N 66.34W 15–31 3.5
NEIC XI 02 22 41 11.9 19.56N 66.34W 15 3.6 **¶11395507**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 02 22 59 53.5 19.51N 66.32W 15–31 3.4
NEIC XI 02 22 59 53.5 19.51N 66.32W 15 3.4 **¶11383237**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 03 00 30 36.6 19.45N 66.36W 42–13 3.4
NEIC XI 03 00 30 38.9 19.28N 66.35W 36 3.4 **¶11391080**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 03 03 14 45.4 19.66N 66.40W 13–6 3.5
NEIC XI 03 03 14 45.4 19.66N 66.40W 13 3.5 **¶11396564**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 03 04 38 23.5 19.57N 66.31W 69–8
NEIC XI 03 04 38 23.5 19.57N 66.31W 69 **¶11396567**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 03 05 46 55.5 19.21N 66.16W 81–21 3.5
NEIC XI 03 05 46 55.5 19.21N 66.16W 81 3.6 **¶11396017**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 03 06 00 21.5 19.58N 66.29W 35–19 3.3
NEIC XI 03 06 00 21.5 19.58N 66.29W 35 3.3 **¶11391103**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 03 06 54 41.4 19.41N 66.32W 66–10 3.3
NEIC XI 03 06 54 41.4 19.41N 66.32W 66 3.3 **¶11393577**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 03 08 33 58.4 19.35N 66.31W 30–22 3.4
NEIC XI 03 08 33 58.4 19.35N 66.31W 30 3.4 **¶11391110**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 03 09 00 42.3 19.32N 66.36W 51–22 3.5
NEIC XI 03 09 00 42.3 19.32N 66.36W 51 3.5 **¶11391112**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 03 15 03 34.2 19.65N 66.34W 41–27 3.3
NEIC XI 03 15 03 34.2 19.65N 66.34W 41 3.3 **¶11391122**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 04 02 06 24.5 19.38N 66.32W 73–11 3.4
NEIC XI 04 02 06 24.5 19.38N 66.32W 73 3.5 **¶11392414**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 04 09 10 25.1 19.37N 66.39W 68–10 3.4
NEIC XI 04 09 10 25.1 19.37N 66.39W 68 3.4 **¶11392430**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 05 03 45 43.8 19.40N 65.90W 42–19
¶11395596
RSPR Event type ke.
RSPR XI 06 15 53 00.2 19.12N 65.14W 139–5 3.4
NEIC XI 06 15 53 00.2 19.12N 65.14W 139 3.4 **¶11396260**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 06 20 32 46.2 19.58N 66.22W 51–23
NEIC XI 06 20 32 46.2 19.58N 66.22W 51 3.6 **¶11396272**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 07 01 13 42.0 19.19N 66.40W 112–4 3.4
NEIC XI 07 01 13 42.0 19.19N 66.40W 112 3.4 **¶11396580**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 07 07 58 38.3 19.44N 66.36W 49–21 3.4
NEIC XI 07 07 58 38.3 19.44N 66.35W 49 3.4 **¶11396594**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 08 13 57 48.5–1.8 19.36N–.03 66.34W–.04 34–14 4.1b 81 1-129
IDC XI 08 13 57 43.4–.79 19.45N 66.32W 0 4.2,3.9 **¶11396825**
ISCJB XI 08 13 57 47.6–.90 19.38N–.06 66.34W–.04 43–11 4.1b,3.9
BJI XI 08 13 57 47.9 19.40N 66.20W 35 4.1b,3.9
RSPR XI 08 13 57 49.1 19.40N 66.35W 29–28 4.3,3.9
NEIC XI 08 13 57 49.1 19.40N 66.35W 29 4.3,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=16.3km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.9km az=9.8.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 08 15 34 24.3 19.41N 66.33W 7–5 3.4
NEIC XI 08 15 34 24.3 19.41N 66.33W 8 3.4 **¶11396828**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 08 17 51 58.0 18.80N 65.02W 25–12
¶11396833
RSPR Event type ke.
RSPR XI 08 18 01 01.6 19.64N 66.33W 34–12 3.5
NEIC XI 08 18 01 01.6 19.64N 66.33W 34 3.5 **¶11396834**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 09 02 19 58.9–1.1 19.27N–.10 66.32W–.05 49–16 3.7b 49 1-69
IDC XI 09 02 19 52.2–.99 19.46N 66.16W 0 4.0,3.7 **¶11406494**
NEIC XI 09 02 19 54.2–.50 19.46N 66.26W 10 3.6,3.7
ISCJB XI 09 02 19 58.2–1.2 19.3N–.10 66.33W–.05 61–17 3.7b,3.7
RSPR XI 09 02 20 00.5 19.24N 66.30W 13–6 3.6,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=17.5km az=67.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.0km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=7.9km az=3.3.
RSPR Event type ke.
RSPR XI 09 03 49 23.7 19.24N 66.32W 83–17 3.5
NEIC XI 09 03 49 23.7 19.24N 66.32W 83 3.5 **¶11406497**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 09 09 11 50.4 19.15N 66.45W 32–27 3.5
NEIC XI 09 09 11 50.4 19.15N 66.45W 32 3.5 **¶11406515**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 11 05 57 58.0 18.95N 65.37W 44–4
¶11433894
RSPR Event type ke.
RSPR XI 11 17 31 34.7 19.02N 65.06W 34–17 2.8
¶11433915
RSPR Event type ke.

RSPR XI 11 23 09 51.3 19.06N 66.25W 25–31 3.4
NEIC XI 11 23 09 49.6 19.19N 66.28W 25 3.2 **¶11433926**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 12 01 12 42.6 19.63N 66.26W 25–11 3.5
NEIC XI 12 01 12 42.6 19.63N 66.26W 25 3.5 **¶11434418**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 12 08 27 17.6 19.25N 66.28W 49–6 3.1
NEIC XI 12 08 27 17.6 19.25N 66.28W 49 3.1 **¶11434443**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 12 23 31 22.5 19.14N 66.25W 56–16 3.2
NEIC XI 12 23 31 17.4 19.33N 66.06W 107 3.1 **¶11434471**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 13 14 52 59.5–1.3 19.37N–.02 66.32W–.03 17–8 4.4b,3.8s 225 1-161
IDC XI 13 14 52 56.3–.55 19.44N 66.31W 0 4.4,4.3 **¶11451613**
ISCJB XI 13 14 52 58.4–.91 19.43N–.03 66.31W–.03 20–7 4.4b,3.8s
RSPR XI 13 14 53 00.5 19.48N 66.35W 15–5 4.7,3.8s
NEIC XI 13 14 53 00.5 19.48N 66.35W 15 4.7,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=12.9km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.7km az=38.0.
RSPR Event type ke.
NEIC Event type fe. Felt [II] at San Juan. After RSPR.
RSPR XI 13 19 28 49.4 19.39N 66.36W 99–7 3.8
NEIC XI 13 19 28 49.4 19.39N 66.36W 99 3.8 **¶11451620**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 13 23 31 08.1 19.61N 66.35W 35–26 3.6
NEIC XI 13 23 31 08.1 19.61N 66.35W 36 3.6 **¶11451625**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 14 21 04 31.6 19.02N 66.24W 25–29 3.1
NEIC XI 14 21 04 31.6 19.02N 66.24W 25 3.1 **¶11453033**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 21 09 21 38.0 17.93N 65.83W 8–14
¶11473154
RSPR Event type ke.
RSPR XI 23 04 33 04.3 19.55N 66.23W 35–23 3.5
NEIC XI 23 04 33 04.3 19.55N 66.23W 35 3.5 **¶11473245**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 23 09 05 18.2–.82 19.39N–.02 66.32W–.03 10–5 4.8b,4.5s 232 1-161
IDC XI 23 09 05 15.9–.45 19.35N 66.31W 0 4.5,4.5 **¶11473257**
ISCJB XI 23 09 05 18.8–1.2 19.43N–.02 66.32W–.03 25–9 4.8b,4.5s
GCMT XI 23 09 05 19.4–.30 19.35N 66.24W 13–1 5.0W,4.5s
BJI XI 23 09 05 20.2 19.50N 66.30W 47 5.6s,5.3b
RSPR XI 23 09 05 20.3 19.49N 66.33W 48–13 4.9,5.3b
NEIC XI 23 09 05 20.3 19.49N 66.33W 48 4.9b,4.8
ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=11.1km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=163.9.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s18,c20; s50,c73; Moment tensor: Scale 10^{16}Nm; M_{rr}2.74±.26 $M_{\theta\theta}$-0.09±.15; $M_{\phi\phi}$-2.65±.17; $M_{r\theta}$3.51±.65; $M_{\theta\phi}$1.41±.10; $M_{\phi r}$0.91±.35; Best double couple: NP1:ϕ_s0.00000°,δ45.00000°,λ142.00000°. NP2:ϕ_s119.00000°,δ65.00000°,λ52.00000°. Principal axes: T 5.4100,Plg54.0000° ,Azm341.0000°; N -2.0200,Plg34.0000°,Azm138.0000°; P -3.3900,Plg11.0000° ,Azm236.0000° M_o4.40000×10^{16}
RSPR Event type ke.
NEIC Event type fe. Felt [V] at Caguas, Comerio and Toa Alta. Also felt at Naranjito. After RSPR.
RSPR XI 23 15 39 21.2 19.57N 66.13W 73–12 3.3
NEIC XI 23 15 39 20.8 19.54N 66.27W 75 3.2 **¶11473294**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 23 17 09 12.8 19.42N 66.40W 77–5 3.4
NEIC XI 23 17 09 12.8 19.42N 66.40W 77 3.4 **¶11473299**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 24 02 00 36.2–2.2 19.42N–.05 66.32W–.05 17–16 3.3b 43 1-65
IDC XI 24 02 00 35.8–5.2 20.47N 66.06W 0 3.9,3.5b **¶11473324**
ISCJB XI 24 02 00 36.2–2.0 19.47N–.05 66.33W–.05 29–17 3.3b,3.5b
RSPR XI 24 02 00 37.8 19.49N 66.36W 48–13 3.6,3.5b
NEIC XI 24 02 00 37.8 19.49N 66.36W 48 3.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=361.2km s-min=29.2km az=12.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.1km az=136.6.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 24 03 26 37.4 18.63N 65.43W 93–4 3.0
NEIC XI 24 03 26 37.4 18.63N 65.43W 93 3.0 **¶11473326**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 25 04 08 08.3–1.2 19.43N–.05 66.32W–.05 4–6 3.5b 46 1-69
IDC XI 25 04 08 07.6–1.2 19.42N 66.25W 0 3.8,3.5 **¶11474931**
ISCJB XI 25 04 08 08.5–1.5 19.50N–.06 66.32W–.05 15–10 3.5b,3.5
NEIC XI 25 04 08 09.6 19.65N 66.39W 51 3.5,3.5
RSPR XI 25 04 08 09.6 19.65N 66.39W 51–22 3.5,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=19.0km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=7.6km az=33.4.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR XI 25 04 20 22.9 19.34N 65.28W 90–8 3.4
NEIC XI 25 04 20 22.9 19.34N 65.28W 90 3.5 **¶11474934**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 26 00 13 35.7 18.84N 65.25W 48–6 2.9
NEIC XI 26 00 13 35.7 18.84N 65.25W 48 2.9 **¶11478052**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 26 17 04 33.2 19.47N 66.37W 63–11 3.4
NEIC XI 26 17 04 33.2 19.47N 66.37W 63 3.4 **¶11478081**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 28 22 26 28.0 18.02N 65.72W 12–0
¶11480335
RSPR Event type ke.
RSPR XI 30 01 38 27.0 18.24N 66.41W 32–2 2.5
¶11482957
RSPR Event type ke.
RSPR XI 30 06 23 56.0 18.49N 65.19W 86–2 2.7
¶11482965
RSPR Event type ke.
RSPR XI 30 07 11 49.0 17.82N 65.60W 8–2 2.4
¶11482969
RSPR Event type ke.
ISC XII 02 00 33 11.4–.92 19.39N–.03 66.36W–.03 9–6 4.0b,3.4s 195 1-161
ISCJB XII 02 00 33 11.8–1.2 19.43N–.03 66.38W–.04 22–9 4.0b,3.4s **¶11486865**
RSPR XII 02 00 33 13.8 19.50N 66.36W 35–29 4.0,3.4s
NEIC XII 02 00 33 13.8 19.50N 66.36W 35 4.6b,4.0
IDC XII 02 00 33 15.9–.65 19.36N 66.40W 43–6 4.0,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.1km az=145.7.
RSPR Event type ke.
NEIC Event type se. After RSPR.
IDC Error ellipse: s-maj=17.3km s-min=6.0km az=75.0.
RSPR XII 02 09 47 58.6 19.47N 65.25W 57–9 3.5
TRN XII 02 09 47 57.1 19.42N 65.26W 34 3.5 **¶11486880**

NEIC XII 02 09 47 58.6 19.47N 65.25W 57 3.5
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XII 03 10 32 39.4–2.5 19.30N–.09 65.3W–.10 17–27 51 1-2
TRN XII 03 10 32 39.5 19.22N 65.24W 27 3.1 ¶11490906
RSPR XII 03 10 32 41.2 19.36N 65.20W 35–27 3.0
NEIC XII 03 10 32 41.2 19.36N 65.20W 35 3.1
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 04 11 24 49.1 19.09N 66.52W 108–9
NEIC XII 04 11 24 49.1 19.09N 66.52W 108 3.5 ¶11492042
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XII 05 19 10 01.6–1.3 19.35N–.03 66.34W–.04 11–8 3.8b 70 1-69
IDC XII 05 19 09 58.5–2.6 19.51N 65.98W 0 4.0,3.7s ¶11493125
ISCJB XII 05 19 10 01.7–1.1 19.40N–.04 66.35W–.04 21–8 3.8b,3.7s
RSPR XII 05 19 10 04.0 19.39N 66.36W 10–31 3.8,3.7s
NEIC XII 05 19 10 04.0 19.39N 66.36W 10 4.1b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=72.9km s-min=13.8km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.4km az=28.3.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XII 06 01 26 54.2–1.6 19.46N–.04 66.28W–.06 5–9 3.4b 45 1-69
IDC XII 06 01 26 52.4–2.5 19.46N 65.94W 0 3.8,3.4b ¶11493238
ISCJB XII 06 01 26 53.6–1.7 19.52N–.04 66.30W–.05 10–12 3.4b,3.4b
RSPR XII 06 01 26 55.2 19.67N 66.34W 40–17 3.5,3.4b
NEIC XII 06 01 26 55.2 19.67N 66.34W 40 3.5,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=69.5km s-min=19.5km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.3km az=155.9.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 07 09 01 24.7 18.06N 66.31W 52–1 2.8
NEIC XII 07 09 01 24.7 18.06N 66.31W 52 2.8 ¶11493378
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 07 19 31 42.2 19.47N 66.29W 10–27 3.1
NEIC XII 07 19 31 42.2 19.47N 66.29W 10 3.1 ¶11493394
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XII 07 21 35 45.3–1.5 19.40N–.03 66.36W–.04 13–10 3.6b 66 1-69
IDC XII 07 21 35 43.2–.99 19.41N 66.25W 0 4.1s,4.1 ¶11493399
ISCJB XII 07 21 35 45.4–1.3 19.46N–.03 66.37W–.04 25–10 3.6b,4.1
RSPR XII 07 21 35 46.0 19.58N 66.41W 49–18 3.4,4.1
NEIC XII 07 21 35 46.0 19.58N 66.41W 48 3.4,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=17.4km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.5km az=141.3.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 11 18 41 17.4 19.09N 66.88W 12–4 3.0
NEIC XII 11 18 41 17.4 19.09N 66.88W 12 3.1 ¶12076972
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XII 16 10 24 28.8–1.2 19.46N–.04 66.32W–.05 4–7 3.1b 48 1-69
IDC XII 16 10 24 27.4–2.4 19.47N 66.07W 0 3.5,3.3 ¶12077740
ISCJB XII 16 10 24 28.3–1.6 19.53N–.04 66.34W–.05 9–11 3.1b,3.3
NEIC XII 16 10 24 30.5 19.62N 66.41W 46 3.3,3.3
RSPR XII 16 10 24 30.5 19.62N 66.41W 46–16 3.3,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=87.6km s-min=19.0km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=6.4km az=163.6.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR XII 17 00 40 18.9 18.09N 66.21W 13–0 2.9
NEIC XII 17 00 40 18.9 18.09N 66.21W 13 2.9 ¶12077832
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 17 03 54 20.8 19.04N 66.30W 36–19 3.5
NEIC XII 17 03 54 20.8 19.04N 66.30W 36 3.5 ¶12077852
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 17 06 02 43.1 19.47N 66.38W 70–7 3.5
NEIC XII 17 06 02 43.1 19.47N 66.38W 70 3.5 ¶12077869
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XII 17 19 55 53.2–.81 18.96N–.09 65.21W–.04 43–16 3.4b 64 1-69
IDC XII 17 19 55 32.8–2.6 18.43N 61.22W 0 3.6,3.4 ¶12612114
ISCJB XII 17 19 55 52.4–.80 19.0N–.10 65.21W–.04 54–15 3.4b,3.4
TRN XII 17 19 55 52.1 18.90N 65.21W 35 3.4,3.4
RSPR XII 17 19 55 54.0 18.99N 65.19W 29–16 3.4,3.4
NEIC XII 17 19 55 54.0 18.99N 65.19W 29 4.6b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=102.2km s-min=28.8km az=17.0.
ISCJB Event type ke. Error ellipse: s-maj=17.5km s-min=6.7km az=173.2.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XII 17 20 05 12.7–2.5 19.0N–.10 65.21W–.06 30–13 35 1-1
TRN XII 17 20 05 12.4 18.92N 65.19W 36 3.2 ¶11512048
RSPR XII 17 20 05 14.1 18.97N 65.21W 9–2 3.2
NEIC XII 17 20 05 14.1 18.97N 65.21W 9 3.2
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 17 21 07 34.9 18.93N 65.21W 44–9
TRN XII 17 21 07 33.9 18.82N 65.24W 35 3.2 ¶12077972
NEIC XII 17 21 07 34.9 18.93N 65.21W 44 3.2
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 17 21 51 31.5 19.01N 65.19W 30–13
TRN XII 17 21 51 30.3 18.88N 65.21W 34 ¶12077980
RSPR Event type ke.
RSPR XII 17 22 26 39.4 18.91N 65.17W 44–15
TRN XII 17 22 26 37.4 18.83N 65.18W 34 3.0 ¶12077984
NEIC XII 17 22 26 39.4 18.91N 65.17W 44 3.0
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 17 22 38 45.6 18.93N 65.20W 33–14 3.2
TRN XII 17 22 38 43.5 18.84N 65.20W 37 3.2 ¶12077985
NEIC XII 17 22 38 45.6 18.93N 65.20W 33 3.2
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 18 03 06 31.8 18.96N 65.24W 8–20
TRN XII 18 03 06 30.5 18.82N 65.30W 22 3.3 ¶12078006
NEIC XII 18 03 06 31.8 18.96N 65.24W 8 3.3
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 18 08 13 25.8 19.40N 65.07W 74–8 3.2
TRN XII 18 08 13 23.9 19.38N 65.11W 27 3.2 ¶12078029
NEIC XII 18 08 13 25.8 19.40N 65.07W 74 3.2
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XII 18 19 44 48.7–2.7 19.0N–.10 65.24W–.07 26–14 26 1-1
TRN XII 18 19 44 49.0 18.89N 65.21W 37 3.5 ¶12078083
RSPR XII 18 19 44 50.6 19.01N 65.21W 31–25 3.5
NEIC XII 18 19 44 50.6 19.01N 65.21W 31 3.5
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.

RSPR XII 19 10 16 40.0 18.89N 66.81W 16–3
¶11513619
RSPR Event type ke.
RSPR XII 19 22 00 44.5 18.09N 66.22W 19–0 2.6
¶11513643
RSPR Event type ke.
RSPR XII 21 16 06 05.1 18.81N 65.38W 67–5
TRN XII 21 16 06 04.0 18.77N 65.39W 61 3.1 ¶11517288
RSPR Event type ke.
RSPR XII 22 13 56 13.3 18.34N 66.62W 137–1 3.1
NEIC XII 22 13 56 13.3 18.34N 66.62W 137 3.2 ¶11517529
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 23 05 56 18.7 18.03N 65.33W 17–1 2.4
TRN XII 23 05 56 17.0 18.22N 65.37W 21 2.4 ¶11521209
RSPR Event type ke.
RSPR XII 23 17 09 37.3 18.67N 65.06W 27–3 3.1
TRN XII 23 17 09 35.4 18.57N 65.10W 35 3.1 ¶11518369
NEIC XII 23 17 09 37.3 18.67N 65.06W 27 3.1
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 24 11 28 10.9 18.71N 66.80W 98–9
NEIC XII 24 11 28 10.9 18.71N 66.80W 98 3.5 ¶11518754
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 25 23 16 56.0 19.50N 66.34W 10–12 3.5
NEIC XII 25 23 16 56.0 19.50N 66.34W 10 3.5 ¶11519141
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 28 18 51 40.2 18.01N 65.37W 14–0 2.7
TRN XII 28 18 51 37.2 18.09N 65.39W 29 2.7 ¶11521281
NEIC XII 28 18 51 40.2 18.01N 65.37W 14 2.7
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 28 20 54 15.8 19.49N 66.38W 67–13 3.4
NEIC XII 28 20 54 15.8 19.49N 66.38W 67 3.4 ¶11521286
RSPR Event type ke.
NEIC Event type se. After RSPR.

(91) Virgin Islands.

ISC VII 01 01 55 28.2–2.2 18.23N–.09 64.1W–.10 22–8 26 1-2
TRN VII 01 01 55 28.3 18.22N 64.24W 29 ¶11006802
RSPR VII 01 01 55 29.1 18.25N 64.07W 13–16 3.2,3.2
NEIC VII 01 01 55 29.1 18.25N 64.07W 13 3.3,3.2
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VII 05 00 28 20.1 19.54N 64.38W 7–17 3.5,3.5
TRN VII 05 00 28 18.3 19.28N 64.55W 3 3.5,3.5 ¶11009322
NEIC VII 05 00 28 20.1 19.54N 64.38W 7 3.5,3.5
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VII 06 23 00 37.4–2.5 19.1N–.10 64.9W–.20 25–23 24 1-1
RSPR VII 06 23 00 39.4 19.00N 64.87W 38–15 3.3,3.3 ¶11086400
NEIC VII 06 23 00 39.4 19.00N 64.87W 38 3.3,3.3
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VII 07 13 57 02.5–1.6 19.31N–.07 64.78W–.09 12–8 42 1-3
TRN VII 07 13 57 02.1 19.14N 64.87W 7 ¶11103529
RSPR VII 07 13 57 03.8 19.41N 64.66W 30–29 3.5,3.5
NEIC VII 07 13 57 03.8 19.41N 64.66W 30 3.5,3.5
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VII 10 01 44 24.8 19.53N 64.99W 25–10
NEIC VII 10 01 44 24.8 19.53N 64.99W 25 3.7 ¶11109003
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN VII 15 03 09 13.2 19.04N 64.97W 3
RSPR VII 15 03 09 13.7 19.15N 64.48W 67–23 ¶11126405
NEIC VII 15 03 09 13.7 19.15N 64.48W 67 3.6
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VII 16 10 29 16.1–2.6 18.2N–.20 64.4W–.20 135–15 16 0-1
TRN VII 16 10 29 15.4 18.22N 64.39W 132 ¶11126448
RSPR VII 16 10 29 16.8 18.21N 64.40W 133–1 2.9,2.9
NEIC VII 16 10 29 16.8 18.21N 64.40W 133 2.9,2.9
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VII 19 19 24 03.3 19.20N 64.67W 56–10 3.6
NEIC VII 19 19 24 03.3 19.20N 64.67W 56 3.7 ¶11133692
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VII 21 21 36 19.1–1.2 18.94N–.05 64.30W–.02 28–9 3.7b 54 1-74
IDC VII 21 21 36 14.8–1.0 19.03N 64.26W 0 4.0,3.8 ¶11134037
ISCJB VII 21 21 36 18.6–.74 18.96N–.07 64.29W–.02 41–10 3.7b,3.8
RSPR VII 21 21 36 20.8 18.91N 64.31W 14–5 3.6,3.8
NEIC VII 21 21 36 20.8 18.91N 64.31W 14 3.6,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=28.0km s-min=21.0km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=3.8km az=5.5.
RSPR Event type ke.
NEIC Event type fe. Felt at East End, Tortola. After RSPR.
RSPR VII 23 23 36 30.2 19.36N 64.31W 91–28 3.5
NEIC VII 23 23 36 30.2 19.36N 64.31W 91 3.5 ¶11153644
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VII 27 01 51 29.5–2.7 19.27N–.08 64.3W–.30 20–40 31 1-7
TRN VII 27 01 51 29.4 19.11N 64.56W 3 ¶11153804
RSPR VII 27 01 51 30.0 19.27N 64.19W 70–12 3.7
NEIC VII 27 01 51 30.0 19.27N 64.19W 70 3.7
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VII 27 02 11 56.6–1.4 19.26N–.07 64.59W–.05 11–7 54 1-6
ISCJB VII 27 02 11 56.0–1.4 19.31N–.08 64.54W–.05 21–11 ¶11153808
TRN VII 27 02 11 56.2 19.14N 64.55W 19 5.9
RSPR VII 27 02 11 58.4 19.17N 64.41W 57–15 3.6
NEIC VII 27 02 11 58.4 19.17N 64.41W 57 3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=7.2km az=171.4.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VII 28 02 17 55.8–.93 18.11N–.04 64.75W–.06 12–5 40 0-2
TRN VII 28 02 17 53.5 18.10N 64.77W 17 ¶11153849
ISCJB VII 28 02 17 55.4–1.0 18.11N–.04 64.73W–.07 13–6
RSPR VII 28 02 17 55.5 18.08N 64.59W 14–7 3.1
NEIC VII 28 02 17 55.5 18.08N 64.59W 14 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=6.7km az=166.8.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VII 30 11 16 54.3–1.7 18.84N–.09 64.27W–.08 26–8 40 1-3
TRN VII 30 11 16 54.4 18.74N 64.34W 29 ¶11153977
NEIC VII 30 11 16 55.7 18.83N 64.30W 8 3.3
RSPR VII 30 11 16 55.7 18.83N 64.30W 8–2 3.3
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.

RSPR VIII 05 17 23 28.9 18.17N 64.03W 47–4 ¶11154203
RSPR Event type ke.
RSPR VIII 06 06 41 23.2 19.27N 64.43W 124–15 3.5
TRN VIII 06 06 41 22.1 19.36N 64.73W 3 3.5 **¶11158573**
NEIC VIII 06 06 41 23.2 19.27N 64.43W 124 3.5
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 11 02 27 12.7 18.16N 64.33W 132–1 3.0
NEIC VIII 11 02 27 12.7 18.16N 64.33W 132 3.0 **¶11163343**
TRN VIII 11 02 27 12.3 17.62N 64.45W 5 3.0
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 12 08 38 38.7 18.90N 64.93W 58–1 3.0
TRN VIII 12 08 38 37.7 18.80N 64.98W 59 3.0 **¶11164789**
NEIC VIII 12 08 38 38.7 18.90N 64.93W 58 3.0
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VIII 26 17 20 18.5–2.4 19.49N–.09 64.3W–.10 11–14 26 1-3
RSPR VIII 26 17 20 20.5 19.58N 64.32W 15–31 3.6 **¶11208044**
NEIC VIII 26 17 20 20.5 19.58N 64.32W 15 3.6
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 29 09 22 41.8 19.59N 64.51W 66–19 3.5
NEIC VIII 29 09 22 41.8 19.59N 64.51W 66 3.5 **¶11223875**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 01 11 05 26.8 19.35N 64.95W 93–15 3.5
NEIC IX 01 11 05 26.8 19.35N 64.95W 93 3.5 **¶11232410**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 08 18 28 37.2–.61 18.58N–.09 64.86W–.03 85–8 77 0-7
ISCJB IX 08 18 28 36.3–.63 18.58N–.10 64.85W–.03 92–8 **¶11245871**
TRN IX 08 18 28 36.4 18.49N 64.87W 85
RSPR IX 08 18 28 38.2 18.47N 64.87W 85–0 3.7
NEIC IX 08 18 28 38.2 18.47N 64.87W 86 3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.1km s-min=3.7km az=7.2.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 10 02 23 15.5 19.29N 64.84W 15–17 3.1 ¶11255610
RSPR Event type ke.
ISC IX 10 13 13 17.4–2.6 19.2N–.10 65.0W–.10 17–34 33 1-2
RSPR IX 10 13 13 18.9 19.16N 64.89W 12–7 **¶11255635**
NEIC IX 10 13 13 18.9 19.16N 64.89W 12 3.5L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 15 09 58 38.1–1.5 19.02N–.08 64.64W–.03 25–8 47 1-3
ISCJB IX 15 09 58 37.7–1.4 19.04N–.08 64.65W–.03 29–7 **¶11277573**
RSPR IX 15 09 58 40.0 18.97N 64.64W 12–31 3.6
NEIC IX 15 09 58 40.0 18.97N 64.64W 12 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=5.2km az=5.6.
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 24 13 26 56.4 19.52N 64.83W 15–31 3.5
NEIC IX 24 13 26 56.4 19.52N 64.83W 15 3.5 **¶11302902**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 30 03 49 37.3 19.28N 64.94W 46–9 3.1
NEIC IX 30 03 49 37.3 19.28N 64.94W 46 3.1 **¶11322384**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC X 02 06 30 47.3–1.1 19.04N–.05 64.81W–.03 11–7 3.7b 80 1-70
TRN X 02 06 30 44.6 19.10N 64.79W 15 3.7b **¶11326334**
NEIC X 02 06 30 45.7 19.11N 64.57W 76 3.7
RSPR X 02 06 30 45.7 19.11N 64.57W 76–4 3.7
ISCJB X 02 06 30 46.9–1.3 19.10N–.07 64.79W–.03 21–10 3.7b
IDC X 02 06 30 53.4–3.1 18.69N 64.97W 64–31 3.8,3.6
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.3km az=3.6.
IDC Error ellipse: s-maj=32.2km s-min=19.5km az=51.0.
ISC X 11 10 40 14.7–.07 19.19N–.01 64.83W–.01 26 5.9b,5.9s 1625 1-175
LDG X 11 10 40 08.8–.30 19.20N 65.02W 10–0 6.0b,5.5s **¶13396673**
IDC X 11 10 40 09.9–.27 19.16N 64.88W 0 5.7s,5.7
MOS X 11 10 40 12.1–.89 19.15N 64.80W 24 6.1b,5.8s
ISCJB X 11 10 40 12.8–.07 19.23N–.01 64.80W–.01 25 5.9b,5.9s
SZGRF X 11 10 40 14.9 19.01N 64.54W 27 5.9b,5.6s
NEIC X 11 10 40 14.1–.08 19.16N 64.83W 23 6.1b,6.1
TRN X 11 10 40 15.3 18.85N 64.62W 3 6.1b,6.1
RSPR X 11 10 40 16.0 19.28N 64.83W 26–22 5.9,6.1
DJA X 11 10 40 16 19.29N 64.40W 21 6.1b,6.1
GCMT X 11 10 40 17.7–.10 19.30N 64.83W 30–0 6.1W,6.1
BGS X 11 10 40 35.3–1.6 21.96N 63.30W 23–0 5.8b,6.1
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=14.8km s-min=8.0km az=79.0.
IDC Error ellipse: s-maj=10.0km s-min=8.3km az=119.0.
MOS Error ellipse: s-maj=4.7km s-min=4.1km az=135.2.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.4km az=3.1.
SZGRF Virgin Islands.
NEIC Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=178.0. Felt [IV] on Saint Thomas and [III] on Saint John and at Christiansted and Frederiksted, Saint Croix. Also felt [III] on Tortola, British Virgin Islands. Felt [V] at Carolina; [IV] at Caguas, Canovanas, Cayey, Ceiba, Cidra, Culebra, Guaynabo, San Juan and Toa Baja; [III] at Bayamon, Dorado, Fajardo, Gurabo, Humacao, Las Piedras, Luquillo, Mayaguez, Naguabo, Naranjito, Rio Grande and Trujillo Alto; [II] at Morovis, Ponce and Vieques, Puerto Rico. Also felt at Adjuntas, Aguada, Aguas Buenas, Anasco, Arecibo, Catano, Corozal, Hatillo, Juana Diaz, Juncos, Las Marias, Moca, Orocovis, Patillas, Sabana Seca, San Sebastian, Toa Alta, Utuado, Vega Alta, Vega Baja, Yabucoa and Yauco. Felt at Philipsburg, Sint Maarten. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s187.00000°,δ70.00000° ,λ155.00000°. NP2:ϕ_s286.00000°,δ67.00000°,λ22.00000°. Principal axes: T Plg32.0000° ,Azm146.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000°,Azm237.0000° Moment Tensor Solution. s101 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s283.00000°,δ75.00000°,λ22.00000°. NP2:ϕ_s187.00000° ,δ69.00000°,λ164.00000°. Principal axes: T 1.1600,Plg25.0000°,Azm146.0000° ; N -0.0500,Plg63.0000°,Azm315.0000°; P -1.1100,Plg4.0000°,Azm54.0000° $M_0$1.10000×10^{18}
RSPR Event type ke.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=114, comp=274, per= 50. Moment Tensor Solution. s105,c215; s83,c123; Moment tensor: Scale 10^{18}Nm; M_{rr}0.37±.01 $M_{\theta\theta}$0.33±.01; $M_{\phi\phi}$-0.70±.01; $M_{r\theta}$-0.92±.02; $M_{\theta\phi}$1.06±.01; $M_{\phi r}$-0.47±.02; Best double couple: NP1:ϕ_s186.00000°,δ62.00000°,λ155.00000°. NP2:ϕ_s289.00000°,δ68.00000°,λ30.00000°. Principal axes: T 1.7600,Plg37.0000°,Azm149.0000°; N -0.3800,Plg53.0000°,Azm321.0000° ; P -1.3700,Plg4.0000°,Azm56.0000° $M_0$1.60000×10^{18}
BGS Error ellipse: s-maj=497.2km s-min=338.3km az=-1.0.
RSPR X 11 10 59 50.7 19.23N 64.79W 25–15 3.0
NEIC X 11 10 59 50.7 19.23N 64.79W 25 3.0 **¶11344991**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 11 11 03 28.3 19.14N 64.72W 10–9 ¶11348123
RSPR Event type ke.
RSPR X 11 11 06 31.9 18.67N 64.53W 89–3
TRN X 11 11 06 29.6 19.07N 64.87W 20 **¶11348124**
RSPR Event type ke.
RSPR X 11 11 08 43.6 19.23N 64.85W 25–24 2.9
TRN X 11 11 08 42.0 19.05N 64.83W 27 2.9 **¶11344993**
NEIC X 11 11 08 43.6 19.23N 64.85W 25 2.9
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 11 11 14 43.2 18.96N 64.75W 42–6
TRN X 11 11 14 41.0 18.90N 64.76W 32 **¶11348125**
NEIC X 11 11 14 43.2 18.96N 64.75W 42 2.6
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 11 11 21 04.9 19.08N 64.72W 64–6 3.1
NEIC X 11 11 21 04.9 19.08N 64.72W 64 3.2 **¶11348126**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 11 11 23 45.0 19.31N 64.74W 48–17 ¶11348331
RSPR Event type ke.
RSPR X 11 11 26 43.7 19.13N 64.71W 57–10 3.5
NEIC X 11 11 26 43.7 19.13N 64.71W 57 3.5 **¶11344994**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 11 12 17 20.3 18.96N 64.59W 95–6 2.8
NEIC X 11 12 17 20.3 18.96N 64.59W 95 2.8 **¶11346447**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 11 12 20 08.4 18.72N 64.38W 100–3
TRN X 11 12 20 07.6 18.73N 64.42W 94 **¶11346448**
RSPR Event type ke.
RSPR X 11 12 42 09.1 18.93N 64.63W 74–5 2.9
TRN X 11 12 42 08.0 18.94N 64.68W 63 2.9 **¶11348127**
NEIC X 11 12 42 09.1 18.93N 64.63W 74 2.9
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 11 12 43 00.9 18.77N 64.86W 106–4
TRN X 11 12 42 59.8 18.81N 64.89W 98 **¶11348128**
RSPR Event type ke.
RSPR X 11 12 45 51.7 18.81N 64.59W 97–5
TRN X 11 12 45 51.0 18.80N 64.63W 90 **¶11348129**
RSPR Event type ke.
RSPR X 11 13 01 48.8 18.93N 64.66W 71–2 3.2
TRN X 11 13 01 47.6 18.99N 64.74W 52 3.2 **¶11345008**
NEIC X 11 13 01 48.8 18.93N 64.66W 71 3.2
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 11 13 15 36.5 18.92N 64.82W 24–25 3.3
TRN X 11 13 15 34.5 18.81N 64.83W 33 3.3 **¶11345012**
NEIC X 11 13 15 36.5 18.92N 64.82W 24 3.3
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 11 13 40 15.6 19.03N 64.80W 23–15 3.1 ¶11345015
RSPR Event type ke.
RSPR X 11 13 59 23.2 18.97N 64.56W 75–5
TRN X 11 13 59 22.0 18.99N 64.62W 63 **¶11346204**
RSPR Event type ke.
RSPR X 11 14 37 00.8 18.92N 64.63W 81–3 3.2
TRN X 11 14 37 00.5 18.96N 64.72W 63 3.2 **¶11346026**
NEIC X 11 14 37 00.8 18.92N 64.63W 81 3.2
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 11 14 38 50.6 18.69N 64.46W 89–2 2.9
TRN X 11 14 38 50.2 18.75N 64.55W 78 2.9 **¶11346027**
RSPR Event type ke.
RSPR X 11 14 42 03.1 18.79N 64.62W 76–2 3.0
TRN X 11 14 42 02.0 18.82N 64.68W 67 3.0 **¶11346028**
RSPR Event type ke.
RSPR X 11 15 45 20.4 18.66N 64.40W 89–3 ¶11346029
RSPR Event type ke.
RSPR X 11 16 10 39.5 19.15N 64.86W 44–10
TRN X 11 16 10 37.4 19.03N 64.87W 27 **¶11349057**
RSPR Event type ke.
RSPR X 11 16 11 20.0 18.99N 64.89W 45–6 2.6 ¶11349058
RSPR Event type ke.
RSPR X 11 16 31 05.8 19.07N 64.64W 74–5 3.1 ¶11346451
RSPR Event type ke.
RSPR X 11 16 45 58.3 19.18N 64.67W 44–17 ¶11346030
RSPR Event type ke.
RSPR X 11 17 05 26.6 18.72N 64.56W 79–2 3.2
TRN X 11 17 05 25.5 18.76N 64.62W 71 3.2 **¶11346032**
RSPR Event type ke.
ISC X 11 22 38 40.8–1.5 19.1N–.20 64.6W–.10 63–31 51 0-6
TRN X 11 22 38 39.6 18.83N 64.54W 79 **¶11345033**
NEIC X 11 22 38 41.6 18.86N 64.55W 79 3.6
RSPR X 11 22 38 41.6 18.86N 64.55W 79–2 3.6
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR X 11 23 43 51.0 18.98N 64.60W 81–5 3.5
TRN X 11 23 43 50.0 19.06N 64.70W 61 3.5 **¶11346039**
NEIC X 11 23 43 51.0 18.98N 64.60W 81 3.5
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 12 02 46 11.7 19.20N 64.84W 47–8 3.7
NEIC X 12 02 46 11.7 19.20N 64.84W 48 4.2b,3.7 **¶11346053**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 12 11 48 52.1 18.99N 64.71W 62–5 3.2
TRN X 12 11 48 50.5 18.99N 64.80W 28 3.2 **¶11346078**
NEIC X 12 11 48 52.1 18.99N 64.71W 62 3.2
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC X 12 13 32 21.3–1.7 19.1N–.20 64.7W–.10 59–41 42 0-2
NEIC X 12 13 32 22.3 19.05N 64.72W 56 3.5 **¶11346084**
RSPR X 12 13 32 22.3 19.05N 64.72W 56–8 3.5
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC X 12 15 47 10.8–1.5 19.0N–.20 64.8W–.10 77–24 47 0-2
ISCJB X 12 15 47 10.5–1.4 19.0N–.20 64.8W–.10 78–23 **¶11346087**
TRN X 12 15 47 10.3 18.99N 64.83W 61
NEIC X 12 15 47 11.7 18.90N 64.77W 77 3.5
RSPR X 12 15 47 11.7 18.90N 64.77W 77–3 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=37.2km s-min=9.7km az=158.2.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR X 12 20 42 22.6 18.78N 64.74W 99–6 3.2
TRN X 12 20 42 22.4 18.89N 64.80W 74 3.2 **¶11346103**
NEIC X 12 20 42 22.6 18.78N 64.74W 99 3.2
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 12 22 38 32.8 18.51N 64.97W 20–0 2.3
TRN X 12 22 38 29.8 18.36N 64.95W 33 2.3 **¶11346110**
RSPR Event type ke.
RSPR X 13 05 57 00.7 19.20N 64.73W 48–15 3.1 ¶11346466
RSPR Event type ke.

RSPR	**X**	**13 06 19 46.6**	**19.27N**	**64.79W**	**25–15**				**¶11346467**
RSPR		Event type ke.							
RSPR	**X**	**13 12 48 35.2**	**18.81N**	**64.52W**	**82–1**	**2.7**			
TRN	X	13 12 48 34.1	18.83N	64.57W	75	2.7			**¶11346477**
NEIC	X	13 12 48 35.2	18.81N	64.52W	82	2.7			
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**13 12 50 50.8**	**19.02N**	**64.60W**	**76–7**	**3.0**			**¶11346478**
RSPR		Event type ke.							
RSPR	**X**	**13 13 01 15.2**	**19.24N**	**64.68W**	**45–15**	**3.0**			
NEIC	X	13 13 01 15.2	19.24N	64.68W	45	3.0			**¶11346480**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**13 19 31 24.1**	**18.91N**	**64.66W**	**66–5**	**3.3**			
TRN	X	13 19 31 22.8	18.93N	64.79W	27	3.3			**¶11346491**
NEIC	X	13 19 31 24.1	18.91N	64.66W	66	3.3			
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**13 19 35 46.3**	**18.86N**	**64.53W**	**79–1**	**3.2**			
TRN	X	13 19 35 44.6	18.80N	64.52W	79	3.2			**¶11346492**
NEIC	X	13 19 35 46.3	18.86N	64.53W	80	3.3			
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**13 21 52 26.5**	**19.36N**	**64.65W**	**37–27**	**2.9**			
NEIC	X	13 21 52 26.5	19.35N	64.65W	37	2.9			**¶11346498**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**13 21 59 32.2**	**19.14N**	**64.63W**	**69–6**	**3.1**			
NEIC	X	13 21 59 32.2	19.14N	64.63W	68	3.1			**¶11346499**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
ISC	**X**	**13 22 01 25.9–1.3**	**19.2N–.20**	**64.7W–.10**	**64–37**		**63**	**1-3**	
NEIC	X	13 22 01 26.2	19.17N	64.65W	73	3.6			**¶11346500**
RSPR	X	13 22 01 26.2	19.17N	64.65W	73–4	3.6			
ISC		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR		Event type ke.							
RSPR	**X**	**13 22 52 05.0**	**19.14N**	**64.62W**	**83–3**	**3.4**			
NEIC	X	13 22 52 05.0	19.14N	64.62W	83	3.4			**¶11346503**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**14 00 06 07.4**	**18.95N**	**64.61W**	**73–1**	**3.4**			
TRN	X	14 00 06 06.0	19.00N	64.67W	60	3.4			**¶11348148**
NEIC	X	14 00 06 07.4	18.95N	64.60W	73	3.4			
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**14 00 23 19.2**	**19.03N**	**64.69W**	**51–6**	**2.8**			**¶11348149**
RSPR		Event type ke.							
ISC	**X**	**14 01 32 06.9–1.7**	**19.15N–.07**	**64.76W–.04**	**12–12**		**93**	**1-2**	
TRN	X	14 01 32 06.5	19.05N	64.77W	21				**¶11348154**
ISCJB	X	14 01 32 07.1–1.5	19.19N–.08	64.76W–.04	21–9				
NEIC	X	14 01 32 07.5	18.95N	64.53W	82	3.8			
RSPR	X	14 01 32 08.7	19.17N	64.77W	10–31	3.4			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=12.7km s-min=5.7km az=179.0.							
NEIC		Event type se. After RSPR.							
RSPR		Event type ke.							
RSPR	**X**	**14 01 38 38.7**	**19.17N**	**64.85W**	**5–3**				
NEIC	X	14 01 38 38.7	19.17N	64.85W	5	3.1			**¶11348156**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**14 02 08 23.1**	**18.91N**	**64.78W**	**45–3**	**3.1**			
TRN	X	14 02 08 20.8	18.87N	64.80W	33	3.1			**¶11348159**
NEIC	X	14 02 08 23.1	18.91N	64.78W	45	3.2			
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
ISC	**X**	**14 03 23 05.8–1.7**	**19.2N–.30**	**64.7W–.20**	**74–44**		**41**	**1-2**	
NEIC	X	14 03 23 06.5	19.18N	64.66W	74	3.5			**¶11348166**
RSPR	X	14 03 23 06.5	19.18N	64.66W	74–9	3.4			
ISC		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR		Event type ke.							
RSPR	**X**	**14 03 29 50.0**	**19.32N**	**64.69W**	**48–6**	**3.5**			
NEIC	X	14 03 29 50.0	19.32N	64.69W	48	3.5			**¶11348168**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**15 07 49 10.9**	**19.06N**	**64.94W**	**33–16**	**3.0**			
NEIC	X	15 07 49 10.9	19.06N	64.94W	33	3.0			**¶11349220**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**15 08 00 31.6**	**19.10N**	**64.66W**	**53–10**	**2.9**			
NEIC	X	15 08 00 31.6	19.10N	64.66W	53	2.9			**¶11349221**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**18 09 07 16.5**	**19.07N**	**64.82W**	**7–1**	**3.4**			
NEIC	X	18 09 07 16.5	19.07N	64.82W	7	3.4			**¶11359807**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**18 13 02 22.3**	**19.05N**	**64.76W**	**71–3**	**3.3**			
NEIC	X	18 13 02 22.3	19.05N	64.76W	71	3.3			**¶11359817**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**18 14 15 23.3**	**18.93N**	**64.71W**	**17–7**				**¶11359819**
RSPR		Event type ke.							
RSPR	**X**	**18 16 55 33.8**	**18.79N**	**64.36W**	**62–1**				
TRN	X	18 16 55 33.1	18.78N	64.44W	53				**¶11359824**
RSPR		Event type ke.							
RSPR	**X**	**18 17 01 19.8**	**18.86N**	**64.48W**	**47–1**				
TRN	X	18 17 01 17.8	18.85N	64.50W	42				**¶11359825**
RSPR		Event type ke.							
RSPR	**X**	**19 01 51 58.0**	**18.83N**	**64.49W**	**43–2**	**2.9**			
TRN	X	19 01 51 56.6	18.77N	64.54W	35	2.9			**¶11360235**
NEIC	X	19 01 51 58.0	18.83N	64.49W	43	2.9			
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**19 02 57 41.0**	**19.20N**	**64.77W**	**25–14**	**3.2**			**¶11360238**
RSPR		Event type ke.							
RSPR	**X**	**20 06 13 56.1**	**19.15N**	**64.60W**	**61–3**				
NEIC	X	20 06 13 56.1	19.15N	64.60W	62	3.0			**¶11360312**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**20 06 54 00.6**	**19.06N**	**64.51W**	**81–5**	**3.4**			
NEIC	X	20 06 54 00.6	19.06N	64.51W	81	3.4			**¶11360316**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**20 13 48 17.2**	**19.01N**	**64.99W**	**33–8**	**3.0**			
NEIC	X	20 13 48 17.2	19.01N	64.99W	33	3.0			**¶11360330**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
ISC	**X**	**21 04 08 54.0–1.6**	**19.31N–.05**	**64.97W–.06**	**5–11**	**3.4b**	**45**	**1-59**	
IDC	X	21 04 08 52.2–1.7	19.21N	64.97W	0	3.9s,3.9			**¶11360717**
NEIC	X	21 04 08 54.8	19.38N	64.72W	39	3.5,3.9			
RSPR	X	21 04 08 54.8	19.38N	64.72W	39–16	3.4,3.9			
ISC		Event type ke.							
IDC		Error ellipse: s-maj=194.8km s-min=25.0km az=36.0.							
NEIC		Event type se. After RSPR.							
RSPR		Event type ke.							
RSPR	**X**	**23 01 02 46.0**	**19.31N**	**64.69W**	**86–4**	**3.4**			
NEIC	X	23 01 02 46.0	19.31N	64.69W	86	3.5			**¶11362153**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**24 13 47 56.2**	**18.86N**	**64.58W**	**4–3**	**2.5**			
TRN	X	24 13 47 54.2	18.75N	64.46W	34	2.5			**¶11362370**
RSPR		Event type ke.							
RSPR	**X**	**25 01 08 26.0**	**18.84N**	**64.98W**	**56–6**	**2.9**			
TRN	X	25 01 08 24.5	18.75N	64.98W	60	2.9			**¶11362612**
NEIC	X	25 01 08 26.0	18.84N	64.98W	56	2.9			
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**25 07 02 36.1**	**19.21N**	**64.73W**	**25–17**	**3.0**			**¶11362625**
RSPR		Event type ke.							
RSPR	**X**	**26 05 46 14.2**	**18.34N**	**64.89W**	**14–1**	**2.9**			
TRN	X	26 05 46 11.2	18.32N	64.90W	20	2.9			**¶11362746**
NEIC	X	26 05 46 14.2	18.34N	64.89W	14	2.9			
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**X**	**26 14 50 22.8**	**18.45N**	**64.22W**	**69–2**				
TRN	X	26 14 50 21.8	18.48N	64.30W	65				**¶11362759**
RSPR		Event type ke.							
ISC	**X**	**27 01 14 31.6–1.6**	**19.0N–.30**	**64.7W–.10**	**86–24**		**45**	**0-3**	
TRN	X	27 01 14 31.2	18.92N	64.68W	81				**¶11370097**
NEIC	X	27 01 14 32.5	18.97N	64.67W	84	3.5			
RSPR	X	27 01 14 32.5	18.96N	64.67W	84–2	3.5			
ISC		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR		Event type ke.							
RSPR	**X**	**29 12 49 35.4**	**18.28N**	**64.18W**	**28–10**				
TRN	X	29 12 49 34.1	18.10N	64.41W	19				**¶11378622**
RSPR		Event type ke.							
TRN	**X**	**29 22 43 56.5**	**18.76N**	**64.96W**	**47**				
RSPR	X	29 22 43 57.6	18.94N	64.97W	24–15				**¶11378647**
RSPR		Event type ke.							
RSPR	**XI**	**01 13 55 19.1**	**18.56N**	**64.92W**	**115–2**				**¶11380770**
RSPR		Event type ke.							
ISC	**XI**	**02 17 41 12.4–1.4**	**19.1N–.20**	**64.0W–.10**	**58–20**		**61**	**0-3**	
RSPR	XI	02 17 41 13.3	19.05N	64.02W	60–2	3.5			**¶11383218**
NEIC	XI	02 17 41 13.3	19.05N	64.02W	60	3.5			
ISC		Event type ke.							
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**XI**	**02 18 09 09.9**	**19.17N**	**64.89W**	**46–16**	**3.1**			
NEIC	XI	02 18 09 09.9	19.17N	64.89W	46	3.2			**¶11395494**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**XI**	**02 22 50 47.5**	**19.13N**	**64.57W**	**35–28**	**3.2**			
NEIC	XI	02 22 50 47.5	19.13N	64.57W	35	3.3			**¶11395509**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
ISC	**XI**	**04 08 53 09.1–1.1**	**19.20N–.06**	**64.86W–.04**	**23–9**		**72**	**1-6**	
TRN	XI	04 08 53 08.2	19.12N	64.86W	27	4.0,3.5			**¶11392428**
NEIC	XI	04 08 53 10.2	19.26N	64.82W	29	3.5,3.5			
RSPR	XI	04 08 53 10.2	19.26N	64.82W	29–18	3.5,3.5			
ISC		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR		Event type ke.							
ISC	**XI**	**04 21 01 55.3–1.4**	**19.0N–.20**	**64.8W–.10**	**73–27**		**50**	**1-2**	
ISCJB	XI	04 21 01 54.8–1.4	19.0N–.20	64.8W–.10	74–26				**¶11393583**
TRN	XI	04 21 01 54.5	19.03N	64.81W	61	3.5			
NEIC	XI	04 21 01 56.1	19.03N	64.79W	70	3.5			
RSPR	XI	04 21 01 56.1	19.03N	64.79W	70–4	3.5			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=38.9km s-min=9.8km az=157.3.							
NEIC		Event type se. After RSPR.							
RSPR		Event type ke.							
RSPR	**XI**	**05 22 25 26.7**	**18.78N**	**64.29W**	**35–1**	**2.6**			
TRN	XI	05 22 25 25.4	18.78N	64.44W	29	2.6			**¶11396229**
RSPR		Event type ke.							
RSPR	**XI**	**08 16 14 11.6**	**19.15N**	**64.80W**	**35–24**	**3.1**			
NEIC	XI	08 16 14 11.6	19.15N	64.80W	35	3.1			**¶11396829**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**XI**	**09 09 07 42.1**	**18.69N**	**64.17W**	**45–3**	**3.4**			
TRN	XI	09 09 07 40.7	18.59N	64.30W	24	3.4			**¶11406513**
NEIC	XI	09 09 07 42.1	18.69N	64.17W	45	3.4			
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**XI**	**09 17 38 22.9**	**18.96N**	**64.30W**	**38–13**	**3.2**			
TRN	XI	09 17 38 21.6	18.85N	64.43W	24	3.3			**¶11406540**
RSPR		Event type ke.							
RSPR	**XI**	**10 05 02 37.0**	**19.23N**	**64.79W**	**96–13**	**3.5**			
NEIC	XI	10 05 02 37.0	19.23N	64.79W	96	3.5			**¶11415162**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**XI**	**11 00 51 28.5**	**19.16N**	**64.71W**	**56–29**	**3.2**			
NEIC	XI	11 00 51 28.5	19.16N	64.71W	56	3.2			**¶11433887**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**XI**	**13 23 42 34.1**	**18.91N**	**64.78W**	**72–5**	**3.4**			
TRN	XI	13 23 42 32.5	19.00N	64.85W	51	3.4			**¶11451626**
NEIC	XI	13 23 42 34.1	18.91N	64.78W	72	3.4			
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**XI**	**22 09 53 45.8**	**19.19N**	**64.78W**	**18–25**				
TRN	XI	22 09 53 44.8	19.02N	64.80W	26	2.9			**¶11473203**
RSPR		Event type ke.							
RSPR	**XI**	**23 19 58 05.4**	**19.09N**	**64.39W**	**44–5**				
NEIC	XI	23 19 58 05.4	19.09N	64.39W	44	3.3			**¶11473308**
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**XI**	**30 16 09 56.5**	**19.08N**	**64.89W**	**32–13**	**3.0**			**¶11482995**
RSPR		Event type ke.							
RSPR	**XI**	**30 16 45 49.5**	**19.04N**	**64.70W**	**73–4**	**3.3**			**¶11482996**
RSPR		Event type ke.							
RSPR	**XII**	**01 20 05 45.6**	**18.87N**	**64.73W**	**17–4**				
TRN	XII	01 20 05 44.7	18.52N	64.64W	35	2.9			**¶11484428**
RSPR		Event type ke.							
ISC	**XII**	**02 00 29 47.0–1.3**	**19.22N–.07**	**64.35W–.07**	**16–10**		**62**	**0-7**	
ISCJB	XII	02 00 29 46.0–1.3	19.30N–.07	64.35W–.05	22–11				**¶11486864**
TRN	XII	02 00 29 45.9	19.22N	64.33W	29	3.7			
RSPR	XII	02 00 29 46.8	19.17N	64.15W	66–3	3.7			
NEIC	XII	02 00 29 46.8	19.17N	64.15W	66	3.6			
ISC		Event type ke.							
ISCJB		Event type ke. Error ellipse: s-maj=12.3km s-min=8.4km az=167.5.							
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**XII**	**02 00 35 56.1**	**18.95N**	**64.24W**	**59–3**	**2.5**			
TRN	XII	02 00 35 54.9	18.93N	64.32W	55	2.5			**¶11486866**
NEIC	XII	02 00 35 56.1	18.95N	64.24W	59	3.5			
RSPR		Event type ke.							
NEIC		Event type se. After RSPR.							
RSPR	**XII**	**02 07 53 05.5**	**19.95N**	**64.33W**	**62–10**	**3.5**			
NEIC	XII	02 07 53 05.5	19.95N	64.33W	62	3.5			**¶11486878**
RSPR		Event type ke.							

NEIC Event type se. After RSPR.
RSPR XII 04 21 14 10.9 18.92N 64.23W 60–1 3.3
TRN XII 04 21 14 09.9 18.90N 64.31W 55 3.3 ¶11492050
NEIC XII 04 21 14 10.9 18.92N 64.23W 60 3.3
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 04 22 18 35.0 17.73N 64.33W 99–3
TRN XII 04 22 18 34.2 17.70N 64.33W 87 3.1 ¶11492051
RSPR Event type ke.
RSPR XII 08 05 27 29.8 19.24N 64.81W 40–22 3.4
TRN XII 08 05 27 28.4 19.16N 64.85W 35 3.4 ¶12076301
NEIC XII 08 05 27 29.8 19.24N 64.81W 40 3.4
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 09 08 24 19.3 18.47N 64.48W 57–1 3.0
TRN XII 09 08 24 18.2 18.45N 64.56W 54 3.0 ¶12612084
NEIC XII 09 08 24 19.3 18.47N 64.48W 57 3.0
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XII 14 17 23 08.4–.48 18.66N–.06 64.22W–.02 55–6 3.8b 132 0-73
ISCJB XII 14 17 23 07.4–.47 18.65N–.06 64.22W–.02 65–5 3.8b ¶12077477
TRN XII 14 17 23 07.6 18.57N 64.25W 44 3.6,3.5
IDC XII 14 17 23 08.1–2.2 18.64N 64.21W 57–24 3.8,3.6
RSPR XII 14 17 23 10.2 18.61N 64.24W 40–2 3.6,3.6
NEIC XII 14 17 23 10.2 18.61N 64.24W 40 4.0b,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=2.9km az=12.1.
IDC Error ellipse: s-maj=25.2km s-min=12.1km az=15.0.
RSPR Event type ke.
NEIC Event type fe. Felt on Saint John. After RSPR.
ISC XII 15 00 06 46.6–1.4 18.86N–.09 64.68W–.07 28–8 34 0-1
TRN XII 15 00 06 45.5 18.76N 64.64W 34 2.7 ¶11506073
ISCJB XII 15 00 06 46.5–1.3 18.87N–.09 64.69W–.07 30–8 2.7
NEIC XII 15 00 06 47.0 18.89N 64.64W 9 2.8
RSPR XII 15 00 06 47.0 18.89N 64.64W 9–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=10.0km az=160.2.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR XII 15 12 41 23.2 19.17N 64.77W 66–8 3.0
TRN XII 15 12 41 21.8 19.17N 64.81W 46 3.0 ¶12612108
RSPR Event type ke.
RSPR XII 19 02 45 11.8 19.49N 64.19W 30–8 3.5
TRN XII 19 02 45 09.8 19.39N 64.23W 28 3.5 ¶11513601
NEIC XII 19 02 45 11.8 19.49N 64.19W 30 3.5
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 19 09 53 43.5 19.16N 64.78W 8–13 3.2
TRN XII 19 09 53 42.1 19.10N 64.79W 34 3.2 ¶11513616
RSPR Event type ke.
RSPR XII 19 17 40 33.9 19.57N 64.50W 32–18 3.4
TRN XII 19 17 40 32.4 19.48N 64.53W 34 3.4 ¶11513638
RSPR Event type ke.
RSPR XII 20 01 46 50.7 19.48N 64.18W 49–6 3.4
TRN XII 20 01 46 49.9 19.34N 64.17W 55 3.4 ¶11514954
RSPR Event type ke.
RSPR XII 20 22 46 46.1 18.92N 64.02W 90–1
TRN XII 20 22 46 44.2 18.75N 63.93W 88 3.8 ¶11514989
NEIC XII 20 22 46 46.1 18.92N 64.02W 90 3.8
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN XII 21 12 26 40.2 18.70N 64.42W 50 3.5
RSPR XII 21 12 26 41.1 18.89N 64.38W 39–8 3.5 ¶11517275
NEIC XII 21 12 26 41.1 18.89N 64.38W 39 3.5
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 22 01 13 09.1 19.92N 64.79W 14–8 3.2
NEIC XII 22 01 13 09.1 19.92N 64.79W 14 3.3 ¶11517506
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 22 02 15 25.0 18.81N 64.40W 52–1 3.3
TRN XII 22 02 15 23.8 18.76N 64.46W 47 3.3 ¶11517509
NEIC XII 22 02 15 25.0 18.81N 64.40W 52 3.3
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 22 05 28 20.7 19.03N 64.16W 54–2 3.1
TRN XII 22 05 28 19.5 19.04N 64.26W 49 3.1 ¶11517512
RSPR Event type ke.
RSPR XII 26 09 04 23.0 18.70N 64.94W 16–1 3.2
TRN XII 26 09 04 20.9 18.62N 64.95W 35 3.2 ¶11519273
NEIC XII 26 09 04 23.0 18.70N 64.94W 16 3.2
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 26 09 22 18.9 18.74N 64.92W 22–27
¶11519275
RSPR Event type ke.
RSPR XII 27 05 59 17.0 19.48N 64.68W 19–7 3.4
TRN XII 27 05 59 15.2 19.22N 64.77W 13 3.4 ¶11519511
NEIC XII 27 05 59 17.0 19.48N 64.68W 19 3.4
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 27 16 29 44.1 19.26N 64.81W 64–9 2.9
TRN XII 27 16 29 42.9 19.24N 64.85W 44 2.9 ¶11519531
NEIC XII 27 16 29 44.1 19.26N 64.81W 64 2.9
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 29 21 33 01.7 18.80N 64.45W 27–4 2.8
TRN XII 29 21 32 59.0 18.73N 64.47W 31 2.8 ¶11522259
NEIC XII 29 21 33 01.7 18.80N 64.45W 27 2.8
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XII 31 10 04 07.5 19.04N 64.72W 71–5 3.3
TRN XII 31 10 04 06.3 19.08N 64.78W 51 3.3 ¶11525175
NEIC XII 31 10 04 07.5 19.04N 64.72W 71 3.3
RSPR Event type ke.
NEIC Event type se. After RSPR.

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ISC VII 07 19 44 55.4–1.3 18.2N–.10 63.68W–.08 16–8 26 1-2
TRN VII 07 19 44 54.6 18.16N 63.64W 35 ¶11103537
ISCJB VII 07 19 44 55.9–1.4 18.2N–.10 63.63W–.07 33
NEIC VII 07 19 44 56.7 18.21N 63.59W 44 3.3
RSPR VII 07 19 44 56.7 18.21N 63.59W 44–9 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.5km s-min=5.8km az=28.0.
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR VII 10 17 50 02.6 19.66N 63.51W 25–11
TRN VII 10 17 49 60.0 19.37N 63.68W 3 ¶11109029
NEIC VII 10 17 50 02.6 19.66N 63.51W 24 3.9
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VII 14 01 33 32.7–2.0 17.63N–.08 61.03W–.07 8–8 41 1-5
TRN VII 14 01 33 32.0 17.50N 61.22W 2 3.5 ¶11121233
RSPR VII 14 01 33 33.2 17.79N 60.85W 82–11 4.3,4.3
NEIC VII 14 01 33 33.2 17.79N 60.85W 82 4.4,4.3
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VII 15 17 09 24.3–1.1 15.29N–.03 60.37W–.05 14–5 58 1-2
ISCJB VII 15 17 09 23.2–1.1 15.27N–.03 60.34W–.05 7–7 ¶12951318
TRN VII 15 17 09 25.2 15.29N 60.47W 29 3.2
NEIC VII 15 17 09 27.6 15.16N 60.63W 25 3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.6km az=161.5.
NEIC Event type se. After TRN.
ISC VII 16 18 02 13.1–.46 15.74N–.05 61.5W–.10 21–5 39 0-1
TRN VII 16 18 02 11.1 15.71N 61.52W 23 2.7 ¶12951350
NEIC VII 16 18 02 11.7 15.69N 61.39W 32 2.7
ISCJB VII 16 18 02 13.0–.48 15.75N–.05 61.5W–.10 23–5 2.7
ISC Event type se.
NEIC Event type se. After TRN.
ISCJB Event type se.
TRN VII 18 08 53 29.0 17.52N 61.24W 19 3.5
RSPR VII 18 08 53 31.4 17.79N 61.19W 76–19 3.5 ¶11133628
RSPR Event type ke.
ISC VII 20 16 31 35.8–.42 16.30N–.03 61.73W–.05 11–3 60 0-5
TRN VII 20 16 31 33.1 16.34N 61.77W 17 3.7 ¶11134000
ISCJB VII 20 16 31 35.3–.51 16.30N–.03 61.77W–.05 8–4 3.7
NEIC VII 20 16 31 35.1 16.39N 61.55W 35 3.7
RSPR VII 20 16 31 37.0 16.00N 61.82W 48–28 4.0
ISC Event type fe.
TRN Event type fe. Felt II, Guadeloupe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=2.8km az=152.3.
NEIC Event type se. After TRN.
RSPR Event type ke.
ISC VII 27 12 40 28.0–1.3 17.9N–.20 62.20W–.10 50–41 45 1-4
TRN VII 27 12 40 26.7 17.88N 62.23W 51 3.6 ¶11153824
ISCJB VII 27 12 40 27.5–1.3 17.9N–.20 62.27W–.09 72–15 3.6
RSPR VII 27 12 40 29.8 17.99N 62.28W 48–7 3.6
NEIC VII 27 12 40 29.8 17.99N 62.28W 48 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.6km s-min=4.7km az=28.6.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VII 28 11 08 38.7–1.7 15.80N–.04 60.6W–.10 27–10 31 1-3
TRN VII 28 11 08 37.9 15.79N 60.58W 35 3.2,2.9 ¶12951716
ISCJB VII 28 11 08 38.4–1.6 15.79N–.04 60.5W–.10 29–9 3.2,2.9
NEIC VII 28 11 08 41.2 15.68N 60.72W 29 3.1,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=6.1km az=178.4.
NEIC Event type se. After TRN.
TRN VII 30 05 09 18.6 17.39N 61.21W 3 3.5
¶13587847
ISC VII 30 09 50 45.7–.00 16.60N–.04 61.12W–.07 22–5 62 0-5
ISCJB VII 30 09 50 44.9–.95 16.64N–.04 61.08W–.07 27–4 ¶12951764
TRN VII 30 09 50 45.5 16.51N 61.20W 26 3.7,3.6
NEIC VII 30 09 50 46.7 16.52N 61.19W 35 3.7,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=4.1km az=155.5.
TRN Event type fe. Felt II, III, Guadeloupe.
NEIC Event type se. After TRN.
TRN VIII 01 05 05 00.7 15.21N 60.32W 27 3.6
NEIC VIII 01 05 05 01.6 15.21N 60.42W 72 3.6 ¶12099572
NEIC Event type se. After TRN.
ISC VIII 01 23 24 46.1–.67 17.4N–.10 61.9W–.10 32–19 30 0-4
ISCJB VIII 01 23 24 45.4–1.2 17.46N–.08 61.86W–.07 42–17 ¶11154086
TRN VIII 01 23 24 45.1 17.39N 61.92W 35 3.6
NEIC VIII 01 23 24 47.3 17.57N 61.82W 29 3.8
RSPR VIII 01 23 24 47.3 17.57N 61.82W 29–26 3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=5.8km az=38.3.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VIII 04 05 33 10.2–1.6 17.7N–.10 61.5W–.10 27–9 38 0-4
TRN VIII 04 05 33 08.1 17.74N 61.48W 23 ¶11154152
RSPR VIII 04 05 33 11.2 17.84N 61.43W 34–18 4.0
NEIC VIII 04 05 33 11.2 17.84N 61.43W 34 4.0
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VIII 07 01 45 56.1–.96 18.0N–.10 62.83W–.05 71–9 33 0-3
TRN VIII 07 01 45 55.0 17.92N 62.83W 69 3.4 ¶11159763
ISCJB VIII 07 01 45 55.3–.96 17.96N–.10 62.84W–.05 75–8 3.4
NEIC VIII 07 01 45 55.9–1.3 17.96N 62.79W 72–18 3.6
RSPR VIII 07 01 45 57.3 18.32N 62.84W 63–4 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=5.5km az=22.3.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=10.3km az=199.0.
RSPR Event type ke.
TRN VIII 14 10 34 49.0 17.89N 61.48W 50
NEIC VIII 14 10 34 51.6 17.93N 61.58W 88 4.2 ¶11165627
RSPR VIII 14 10 34 51.6 17.93N 61.58W 88–8 4.2
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC VIII 25 05 07 26.5–1.0 17.8N–.10 62.81W–.05 91–8 43 0-3
ISCJB VIII 25 05 07 25.7–1.0 17.8N–.10 62.82W–.05 95–8 ¶11207974
TRN VIII 25 05 07 25.4 17.83N 62.82W 89
RSPR VIII 25 05 07 27.8 17.82N 62.87W 88–1 3.6
NEIC VIII 25 05 07 27.8 17.82N 62.87W 88 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.2km s-min=7.1km az=7.1.
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN VIII 27 12 03 42.6 18.05N 61.39W 79
NEIC VIII 27 12 03 45.4 17.23N 61.64W 73 4.3 ¶11222354
RSPR VIII 27 12 03 45.4 17.23N 61.64W 73–20 4.3
NEIC Event type se. After RSPR.
RSPR Event type ke.
RSPR VIII 28 14 33 49.9 18.09N 62.26W 121–1 4.0
NEIC VIII 28 14 33 49.9 18.09N 62.26W 121 4.0 ¶11222415
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 01 05 24 48.1–1.7 17.58N–.07 61.21W–.07 11–7 22 1-5
TRN IX 01 05 24 49.3 17.47N 61.36W 23 3.7,3.5 ¶12951823
NEIC IX 01 05 24 49.4–3.0 17.55N 61.28W 10 3.7,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.5km s-min=14.5km az=51.0.
ISC IX 01 16 08 38.4–1.3 17.58N–.07 61.25W–.06 16–6 33 1-5
NEIC IX 01 16 08 36.1–1.9 17.67N 61.12W 10 3.8 ¶11227355
TRN IX 01 16 08 41.0 17.10N 61.32W 3 3.8,3.5
RSPR IX 01 16 08 40.5 17.65N 61.19W 25–37 3.8,3.5
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=10.5km az=57.0.
RSPR Event type ke.
ISC IX 02 17 22 43.6–.88 17.66N–.03 61.26W–.03 14–4 4.0b 96 1-83
IDC IX 02 17 22 40.4–1.1 17.61N 61.38W 0 6.0L,4.1 ¶11230933
ISCJB IX 02 17 22 43.0–.93 17.70N–.03 61.23W–.04 22–6 4.0b,4.1
TRN IX 02 17 22 42.8 17.53N 61.37W 10 4.4,4.1
NEIC IX 02 17 22 43.5–2.6 17.73N 61.22W 15–15 4.2,4.1
RSPR IX 02 17 22 45.7 17.92N 61.17W 25–39 4.2,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=25.8km s-min=17.1km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.3km az=136.7.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=6.0km az=49.0.
RSPR Event type ke.
TRN IX 03 05 03 34.4 17.71N 62.02W 72 3.9,3.7
NEIC IX 03 05 03 35.7 17.62N 62.11W 69 3.7,3.7 ¶12951875
NEIC Event type se. After TRN.
ISC IX 11 23 13 36.3–.71 16.95N–.06 62.65W–.06 130–9 89 1-11
NEIC IX 11 23 13 34.4–1.1 17.11N 62.50W 157–14 4.1 ¶11265519
ISCJB IX 11 23 13 35.4–.66 16.96N–.06 62.65W–.06 135–8 4.1

TRN IX 11 23 13 37.9 16.67N 62.92W 86 4.0,3.8
RSPR IX 11 23 13 37.2 17.27N 62.60W 145–2 4.1,3.8
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=4.2km az=220.0.
ISCJB Event type ke. Error ellipse: s-maj=13.7km s-min=3.1km az=43.1.
RSPR Event type ke.
ISC IX 20 13 48 12.1–.39 16.01N–.04 61.79W–.08 165–3 3.7b 56 0-74
TRN IX 20 13 48 10.8 15.97N 62.01W 161 3.8,3.2 ¶11910706
ISCJB IX 20 13 48 11.0–.39 16.01N–.04 61.76W–.08 171–3 3.7b,3.2
IDC IX 20 13 48 11.8–.61 15.98N 61.75W 164–7 3.8,3.5b
NEIC IX 20 13 48 11.7–.71 15.98N 61.77W 164–6 3.8,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=4.9km az=155.8.
IDC Error ellipse: s-maj=23.9km s-min=9.6km az=52.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.6km az=50.0.
TRN IX 22 10 38 54.3 16.60N 60.63W 27 3.6,3.2
¶13860549
TRN IX 26 20 41 39.1 16.10N 60.04W 53 3.6,3.3
¶13860630
RSPR X 02 02 06 38.9 19.03N 63.40W 83–10 3.5
NEIC X 02 02 06 38.9 19.03N 63.40W 83 3.6 ¶11326329
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN X 03 20 07 12.3 15.06N 60.52W 3 3.5,2.7
¶13932239
RSPR X 04 01 27 24.9 18.37N 63.79W 146–3 3.7
TRN X 04 01 27 23.3 17.65N 63.94W 100 3.7 ¶11328035
NEIC X 04 01 27 24.9 18.37N 63.79W 146 3.7
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC X 05 19 09 08.2–.75 17.6N–.10 61.9W–.10 32–12 33 0-4
ISCJB X 05 19 09 07.4–1.4 17.6N–.10 61.87W–.09 40–13 ¶11330154
NEIC X 05 19 09 07.1–4.7 17.51N 61.75W 35 3.7
RSPR X 05 19 09 09.9 17.62N 61.93W 55–4 3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.6km s-min=5.6km az=34.4.
NEIC Event type se. Error ellipse: s-maj=78.7km s-min=21.0km az=151.0.
RSPR Event type ke.
RSPR X 08 15 05 55.6 19.22N 62.53W 51–8
NEIC X 08 15 05 55.6 19.22N 62.53W 51 3.6 ¶11339753
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 09 01 37 46.8 18.82N 62.76W 150–16
NEIC X 09 01 37 46.8 18.82N 62.76W 150 3.6 ¶11342415
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC X 10 04 08 37.6–.67 15.06N–.03 60.38W–.06 46–7 3.8b 85 1-84
IDC X 10 04 08 32.7–2.6 15.13N 60.23W 11–17 4.0,3.8 ¶12066483
NEIC X 10 04 08 33.0–1.8 15.05N 60.15W 14–11 4.1b,3.8
ISCJB X 10 04 08 36.7–.64 15.06N–.03 60.38W–.06 57–6 3.8b,3.8
TRN X 10 04 08 36.6 15.03N 60.45W 35 4.0,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=20.4km s-min=8.9km az=100.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.2km az=224.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=3.6km az=165.6.
TRN Event type fe. Felt II Martinique.North East of M artinique. Felt II Martinique.
ISC X 12 00 30 28.1–1.9 18.67N–.08 63.32W–.06 15–16 45 1-3
TRN X 12 00 30 27.5 18.57N 63.35W 23 ¶11346042
ISCJB X 12 00 30 28.5–1.4 18.68N–.08 63.30W–.05 30–10
NEIC X 12 00 30 29.8 18.72N 63.24W 21 3.5
RSPR X 12 00 30 29.8 18.72N 63.25W 21–25 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=5.9km az=23.2.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC X 26 01 26 11.4–.59 18.01N–.07 62.78W–.04 62–10 100 1-5
TRN X 26 01 26 09.4 18.06N 62.74W 53 3.7,3.7 ¶11362737
ISCJB X 26 01 26 10.4–.60 17.97N–.07 62.80W–.04 74–7 3.7,3.7
NEIC X 26 01 26 12.7 18.05N 62.83W 56 3.8,3.7
RSPR X 26 01 26 12.7 18.05N 62.83W 56–3 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=3.0km az=26.2.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC X 26 09 00 57.5–1.0 17.81N–.05 61.59W–.06 27–5 3.7b 63 0-72
NEIC X 26 09 00 55.4–3.7 17.89N 61.45W 21–21 4.2 ¶11362749
ISCJB X 26 09 00 57.2–.87 17.82N–.06 61.65W–.06 36–8 3.6b
TRN X 26 09 00 58.8 17.50N 61.89W 18 4.2,3.9
RSPR X 26 09 00 59.8 17.95N 61.66W 43–21 4.2,3.9
IDC X 26 09 01 00.3–3.4 17.54N 61.70W 64–39 6.3L,3.8
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=33.0km s-min=9.7km az=223.0. Felt at Codrington, Barbuda.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=4.5km az=41.7.
RSPR Event type ke.
IDC Error ellipse: s-maj=65.9km s-min=14.5km az=25.0.
ISC X 28 11 12 23.3–1.3 17.65N–.08 61.51W–.08 35 24 1-5
NEIC X 28 11 12 18.4 20.69N 62.07W 6 3.9 ¶11374812
RSPR X 28 11 12 18.4 20.69N 62.07W 6–7 3.9
ISCJB X 28 11 12 21.6–1.3 17.76N–.07 61.50W–.07 33 3.9
TRN X 28 11 12 22.4 17.60N 61.71W 30 3.5
ISC Event type ke.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=5.1km az=43.1.
TRN X 31 03 39 19.4 17.06N 62.38W 11 3.8,3.7
¶13932763
ISC X 31 05 52 00.9–.45 17.04N–.04 62.33W–.04 16–3 48 0-4
TRN X 31 05 51 57.8 17.06N 62.35W 9 3.8,3.5 ¶11380392
ISCJB X 31 05 52 00.5–.45 17.04N–.05 62.35W–.04 19–5 3.8,3.5
NEIC X 31 05 52 00.8 16.81N 62.27W 16 3.9,3.5
RSPR X 31 05 52 00.8 16.81N 62.27W 16–29 3.9,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.7km az=36.4.
NEIC Event type se. After RSPR.
RSPR Event type ke.
TRN X 31 09 05 16.0 17.05N 62.35W 13 3.7,3.4
¶13932764
ISC X 31 23 53 21.0–.54 16.98N–.05 62.42W–.04 5–4 3.5b 61 0-72
TRN X 31 23 53 18.8 17.07N 62.34W 10 4.2,3.9 ¶12071792
ISCJB X 31 23 53 20.6–.63 17.02N–.05 62.41W–.04 9–5 3.5b,3.9
IDC X 31 23 53 20.3–1.2 16.94N 62.34W 0 5.7L,3.8
RSPR X 31 23 53 21.9 20.70N 63.25W 118–23 3.8,3.8
NEIC X 31 23 53 21.9 20.70N 63.25W 118 3.8,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=3.6km az=40.0.
IDC Error ellipse: s-maj=46.5km s-min=15.9km az=36.0.
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN X 31 23 57 19.7 16.98N 62.27W 15 3.5
¶13932766
TRN XI 01 07 42 59.8 17.04N 62.15W 3 3.5
¶14188515
ISC XI 01 16 53 41.9–.44 17.03N–.05 62.37W–.04 13–4 41 0-4
TRN XI 01 16 53 39.5 17.06N 62.36W 11 3.6,3.4 ¶11380775
ISCJB XI 01 16 53 41.4–.50 17.03N–.05 62.38W–.04 10–5 3.6,3.4
NEIC XI 01 16 53 41.2 17.06N 62.13W 6 3.7,3.4
RSPR XI 01 16 53 41.2 17.06N 62.13W 6–29 3.7,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=3.6km az=38.8.
NEIC Event type se. After RSPR.
RSPR Event type ke.
ISC XI 01 17 25 07.9–.47 17.05N–.05 62.35W–.04 14–4 33 0-19
TRN XI 01 17 25 04.8 17.11N 62.34W 8 4.1,3.5 ¶13398915
ISCJB XI 01 17 25 07.4–.52 17.06N–.05 62.36W–.04 11–5 4.1,3.5
NEIC XI 01 17 25 08.3–.69 17.17N 62.14W 79–13 4.5b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=3.9km az=37.2.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.6km az=61.0.
ISC XI 01 18 14 27.8–.56 17.00N–.03 62.41W–.03 7–4 4.1b,3.7s 105 0-163
TRN XI 01 18 14 24.1 17.10N 62.34W 2 4.3,3.7s ¶12071884
IDC XI 01 18 14 26.6–.68 16.89N 62.51W 0 4.2,4.1
NEIC XI 01 18 14 27.6–.39 16.93N 62.44W 10 4.3b,4.1
ISCJB XI 01 18 14 28.1–.52 17.03N–.03 62.43W–.03 20–4 4.1b,3.7s
ISC Event type fe.
NEIC Event type fe. Felt at Gingerland and Newcastle, Nevis.
ISCJB Event type fe.
ISC XI 01 18 41 25.4–.48 17.01N–.04 62.36W–.03 9–5 47 0-4
RSPR XI 01 18 41 22.6 17.10N 61.90W 12–29 4.0 ¶11380779
NEIC XI 01 18 41 22.6 17.10N 61.90W 12 4.0
TRN XI 01 18 41 22.2 17.08N 62.34W 5 4.0,3.6
ISCJB XI 01 18 41 25.0–.56 17.03N–.04 62.37W–.03 10–5 4.0,3.6
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISCJB Event type ke.
TRN XI 01 19 13 04.0 17.06N 62.39W 13 3.5,3.1
¶14188519
ISC XI 01 20 46 35.0–.47 16.98N–.05 62.38W–.04 12–4 54 0-5
RSPR XI 01 20 46 31.1 17.10N 61.94W 7–28 4.0 ¶11380783
NEIC XI 01 20 46 31.1 17.10N 61.94W 7 4.0
TRN XI 01 20 46 32.1 17.06N 62.37W 10 4.0,3.7
ISCJB XI 01 20 46 34.4–.51 16.98N–.05 62.41W–.04 11–5 4.0,3.7
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISCJB Event type ke.
ISC XI 02 05 16 20.2–.46 17.04N–.05 62.39W–.04 10–5 33 0-5
TRN XI 02 05 16 17.3 17.08N 62.37W 8 3.5 ¶11383184
ISCJB XI 02 05 16 19.6–.49 17.04N–.05 62.40W–.04 12–5 3.5
NEIC XI 02 05 16 20.1–1.5 17.09N 62.36W 9–13 3.9
RSPR XI 02 05 16 23.0 17.21N 62.39W 7–31 3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.8km az=38.8.
NEIC Event type fe. Error ellipse: s-maj=19.2km s-min=8.7km az=197.0. Felt at Fig Tree, Nevis.
RSPR Event type ke.
TRN XI 02 05 58 12.3 17.08N 62.37W 13 3.7,3.5
¶14188522
ISC XI 02 08 05 22.8–.31 17.03N–.04 62.40W–.03 10 4.5b,4.0s 141 1-164
TRN XI 02 08 05 15.9 17.05N 62.36W 1 4.5b,4.0s ¶11383189
RSPR XI 02 08 05 15.9 16.92N 61.95W 7–7 4.3,4.0s
ISCJB XI 02 08 05 20.9–.31 17.00N–.04 62.42W–.03 10 4.5b,4.0s
IDC XI 02 08 05 20.6–.50 17.04N 62.36W 0 4.3,4.2
NEIC XI 02 08 05 21.4–.69 17.14N 62.38W 10 4.8b,4.5
BJI XI 02 08 05 22.0 17.30N 62.40W 10 5.4b,4.4
ISC Event type fe.
RSPR Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=2.3.
IDC Error ellipse: s-maj=15.2km s-min=10.9km az=43.0.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=9.0km az=219.0. Felt on Saint Kitts and Nevis.
ISC XI 02 09 24 07.7–.47 17.01N–.06 62.38W–.05 14–5 27 0-4
TRN XI 02 09 24 05.2 17.07N 62.35W 12 3.4,3.3 ¶11383190
ISCJB XI 02 09 24 07.4–.53 17.02N–.05 62.38W–.05 12–5 3.4,3.3
RSPR XI 02 09 24 11.6 17.15N 62.47W 7–31 3.5,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=3.9km az=39.3.
RSPR Event type ke.
ISC XI 02 10 14 37.5–.94 17.39N–.05 61.96W–.05 10 23 0-4
ISCJB XI 02 10 14 36.9–1.0 17.41N–.05 61.98W–.06 10 ¶11383193
TRN XI 02 10 14 37.2 17.28N 62.08W 21 2.7
RSPR XI 02 10 14 38.6 19.47N 62.10W 143–23 4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.4km az=135.3.
RSPR Event type ke.
TRN XI 02 11 13 14.6 17.08N 62.37W 13 3.5,2.9
¶14188525
ISC XI 02 12 29 15.1–.47 17.00N–.06 62.39W–.05 12–4 37 0-4
TRN XI 02 12 29 12.4 17.07N 62.36W 10 3.4 ¶11383197
RSPR XI 02 12 29 12.0 17.17N 61.92W 8–27 3.7
NEIC XI 02 12 29 12.0 17.17N 61.92W 8 3.7
ISCJB XI 02 12 29 14.8–.52 17.02N–.05 62.39W–.05 12–5 3.7
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISCJB Event type ke.
ISC XI 02 13 18 14.9–.46 17.02N–.05 62.36W–.04 11–4 42 0-4
RSPR XI 02 13 18 11.6 17.09N 61.88W 15–8 3.1 ¶11383198
TRN XI 02 13 18 12.4 17.07N 62.33W 11 3.6,3.2
ISCJB XI 02 13 18 14.4–.52 17.03N–.05 62.37W–.04 10–4 3.6,3.2
ISC Event type ke.
RSPR Event type ke.
ISCJB Event type ke.
TRN XI 02 14 41 22.3 17.06N 62.36W 9 4.1,3.5
¶14188527
TRN XI 02 15 12 55.1 17.08N 62.37W 17 3.5,3.4
¶14188528
TRN XI 02 15 52 52.9 17.10N 62.34W 15 3.6,3.0
¶14188530
TRN XI 03 01 29 16.1 17.08N 62.35W 12 3.5,3.3
¶14188540
ISC XI 03 05 49 36.5–.44 17.04N–.04 62.36W–.04 14–4 39 0-4
TRN XI 03 05 49 33.8 17.07N 62.36W 11 3.6,3.4 ¶11391101
ISCJB XI 03 05 49 36.1–.58 17.06N–.05 62.36W–.04 11–5 3.6,3.4
RSPR XI 03 05 49 36.3 16.98N 62.21W 6–15 3.9,3.4
NEIC XI 03 05 49 36.3 16.98N 62.21W 6 3.9,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=3.7km az=38.1.
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN XI 03 06 07 18.1 17.08N 62.37W 15 3.5
¶14188544
RSPR XI 04 00 22 47.3 18.62N 62.40W 112–11 3.8
TRN XI 04 00 22 45.3 18.62N 62.62W 3 3.8 ¶11392409
NEIC XI 04 00 22 47.3 18.62N 62.40W 112 3.8
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 04 12 14 45.2–.46 17.00N–.06 62.41W–.04 10 24 0-4
TRN XI 04 12 14 42.7 17.08N 62.35W 9 3.6 ¶14188557
ISCJB XI 04 12 14 45.1–.50 17.02N–.06 62.39W–.05 10 3.6
RSPR XI 04 12 15 29.8 17.86N 65.28W 32–4 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.0km az=34.7.
RSPR Event type ke.
TRN XI 09 19 11 32.4 15.22N 60.92W 124 3.6,2.7
¶14188573
ISC XI 15 16 04 23.1–.35 15.08N–.04 61.24W–.07 150–2 3.6b 63 0-164
ISCJB XI 15 16 04 22.0–.35 15.09N–.04 61.21W–.07 154–2 3.6b ¶12073640
IDC XI 15 16 04 22.2–.47 15.10N 61.25W 140–3 3.7,3.5b
NEIC XI 15 16 04 22.6–.55 15.13N 61.28W 143–5 3.9b,3.5b
TRN XI 15 16 04 22.0 15.10N 61.15W 149 3.4,3.3
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=5.0km az=158.2.
IDC Error ellipse: s-maj=17.3km s-min=5.6km az=83.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.7km az=216.0.
TRN XI 20 22 38 33.6 15.96N 61.15W 45 3.0
¶14188591

RSPR XI 21 12 42 05.4 18.48N 63.97W 41–3
TRN XI 21 12 42 03.8 18.44N 64.04W 46 3.9 **¶11473157**
NEIC XI 21 12 42 05.4 18.48N 63.97W 41 3.0
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN XI 25 05 22 23.9 17.13N 62.37W 21 3.5,3.1
¶14188592

TRN XI 25 09 48 18.3 16.56N 61.28W 58 2.9,2.8
¶14188594

TRN XI 28 05 27 41.6 15.83N 61.58W 22 3.6,3.1
¶14188600

TRN Event type fe. Felt V Guadeloupe.
RSPR XI 28 06 26 53.7 19.22N 63.32W 70–9 3.7
NEIC XI 28 06 26 53.7 19.22N 63.32W 70 3.7 **¶11480312**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 30 21 40 54.1–1.6 16.10N–.09 61.8W–.10 180–14 34 0-4
TRN XI 30 21 40 51.2 16.17N 61.63W 202 3.2 **¶11483003**
ISCJB XI 30 21 40 53.7–1.6 16.09N–.10 61.9W–.10 180–16 3.2
RSPR XI 30 21 40 53.8 20.30N 62.02W 229–13 4.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=26.0km s-min=6.4km az=143.8.
RSPR Event type ke.
TRN XII 01 21 40 36.5 15.20N 60.99W 125 3.5,3.4
¶14235965

TRN XII 03 22 56 31.4 16.73N 61.90W 91 3.8,3.6
¶14236053

ISC XII 10 21 33 29.2–.52 16.03N–.01 60.68W–.02 11–3 4.5b,3.7s 228 0-165
LDG XII 10 21 33 23.8–.35 16.28N 61.51W 10–0 4.8b,3.6s **¶13402425**
IDC XII 10 21 33 26.7–.45 16.11N 60.75W 0 6.2L,4.5
ISCJB XII 10 21 33 29.0–.55 16.07N–.02 60.67W–.02 23–4 4.5b,3.7s
TRN XII 10 21 33 28.8 16.04N 60.81W 21 4.3,4.2
NEIC XII 10 21 33 29.1–2.3 15.99N 60.57W 11–14 4.8b,4.2
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=18.2km s-min=11.4km az=102.0.
IDC Error ellipse: s-maj=12.1km s-min=10.2km az=38.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=161.8.
TRN Event type fe. Felt III in Guadeloupea nd II in Martinique.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=214.0.
TRN XII 13 04 29 21.7 15.30N 61.48W 145 3.7,3.1
¶14236442

TRN XII 14 17 07 12.6 15.23N 61.18W 143 3.7,3.2
¶14236467

TRN XII 15 00 38 58.0 15.82N 61.59W 14 2.9,2.7
¶14236493

RSPR XII 17 15 40 54.9 19.42N 63.96W 114–7 3.5
TRN XII 17 15 40 52.7 19.42N 63.90W 115 3.5 **¶12077928**
NEIC XII 17 15 40 54.9 19.42N 63.96W 114 3.5
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN XII 18 12 33 33.0 16.98N 62.46W 22 3.5,3.3
¶14236611

TRN XII 19 05 20 14.9 15.35N 60.83W 35 3.6,3.5
¶14236649

TRN XII 20 01 20 19.9 17.10N 60.35W 19 3.8,3.7
¶14236686

RSPR XII 22 22 45 22.6 18.85N 63.74W 7–14 3.3
TRN XII 22 22 45 21.7 18.56N 63.86W 17 3.3 **¶11517542**
RSPR Event type ke.
TRN XII 23 12 45 48.3 17.54N 62.19W 10 3.7,3.3
¶14236764

ISC XII 23 19 11 37.4–.52 17.00N–.09 62.40W–.09 10 3.4b 28 0-72
TRN XII 23 19 11 32.0 17.30N 62.18W 5 4.2,3.6 **¶12078708**
ISCJB XII 23 19 11 36.8–.53 17.05N–.09 62.42W–.09 10 3.4b,3.6
IDC XII 23 19 11 36.4–1.2 16.97N 62.29W 0 6.1L,3.9
ISCJB Error ellipse: s-maj=17.7km s-min=3.5km az=135.5.
IDC Error ellipse: s-maj=52.1km s-min=15.4km az=41.0.
TRN XII 24 03 59 26.8 17.03N 62.39W 11 3.6,3.5
¶14236798

TRN XII 28 09 06 09.1 16.15N 60.90W 31 3.5,3.3
¶14236925

(94) Caribbean Sea.

FUNV IX 22 13 59 53.3 12.30N 68.64W 3 2.9W
¶13860552

FUNV X 10 20 42 04.3 12.27N 73.24W 35 3.5W
¶13909734

(95) Windward Islands.

TRN VII 01 07 06 26.0 12.51N 60.96W 76 3.5
NEIC VII 01 07 06 26.8 12.48N 60.98W 70 3.5 **¶12950830**
NEIC Event type se. After TRN.
ISC VII 08 23 23 45.3–.63 11.10N–.03 61.67W–.03 58–10 43 0-6
ISCJB VII 08 23 23 44.4–.65 11.09N–.03 61.67W–.03 66–9 **¶12951112**
NEIC VII 08 23 23 45.3 11.23N 61.57W 8 2.9
TRN VII 08 23 23 45.3 11.23N 61.59W 8 2.9
FUNV VII 08 23 23 46.1 11.08N 61.62W 37 2.6W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.5km az=143.9.
NEIC Event type se. After TRN.
TRN VII 13 03 54 09.8 14.23N 60.51W 68 3.5
NEIC VII 13 03 54 10.4 14.22N 60.68W 77 3.5 **¶12951274**
NEIC Event type se. After TRN.
TRN VII 13 14 36 29.5 12.25N 59.30W 3 3.5
NEIC VII 13 14 36 31.5 12.28N 59.05W 37 3.5 **¶12951263**
NEIC Event type se. After TRN.
ISC VII 26 15 07 08.8–.48 12.48N–.02 59.44W–.04 49–4 4.2b 170 1-163
SZGRF VII 26 15 06 52.9 11.18N 61.24W 33 4.6b **¶11783299**
IDC VII 26 15 07 01.3–.54 12.37N 59.16W 0 4.4,4.3
ISCJB VII 26 15 07 07.8–.46 12.49N–.02 59.44W–.03 58–4 4.2b,4.3
TRN VII 26 15 07 09.0 12.51N 59.43W 50 4.1,4.3
NEIC VII 26 15 07 09.1 12.52N 59.44W 49 4.4b,4.1
FUNV VII 26 15 07 13.3 12.17N 59.62W 99 4.3W,4.1
ISC Event type se.
SZGRF Windward Islands.
IDC Error ellipse: s-maj=15.9km s-min=13.8km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.2km az=5.8.
NEIC Event type se. After TRN.
TRN VIII 01 00 14 29.3 13.05N 60.74W 90 3.5
NEIC VIII 01 00 14 29.5 13.05N 60.74W 89 3.5 **¶12099567**
NEIC Event type se. After TRN.
TRN VIII 04 13 14 32.1 11.39N 60.12W 27 3.5
FUNV VIII 04 13 14 32.2 11.14N 60.14W 20 3.6W **¶12099673**
NEIC VIII 04 13 14 32.1 11.39N 60.12W 27 3.5
NEIC Event type se. After TRN.
ISC VIII 11 08 16 51.2–.94 11.15N–.04 60.96W–.07 41–13 44 0-7
TRN VIII 11 08 16 45.3 10.99N 60.32W 57 3.2 **¶12099865**
NEIC VIII 11 08 16 45.3 10.99N 60.32W 57 3.2
ISCJB VIII 11 08 16 49.6–.94 11.16N–.05 60.97W–.07 51–10 3.2
FUNV VIII 11 08 16 58.1 10.95N 61.27W 63 2.9W
ISC Event type se.
NEIC Event type se. After TRN.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=5.8km az=27.0.
TRN VIII 24 04 27 25.1 14.86N 60.48W 3 3.6,2.8
¶13728442

ISC VIII 24 12 57 20.2–.95 11.22N–.05 62.18W–.04 135–7 42 1-6

FUNV VIII 24 12 57 20.6 11.34N 62.10W 130 2.8W **¶12100206**
NEIC VIII 24 12 57 22.8 11.30N 61.85W 131 3.3
TRN VIII 24 12 57 22.8 11.30N 61.85W 131 3.3
ISC Event type se.
NEIC Event type se. After TRN.
ISC VIII 25 15 25 51.7–.28 12.47N–.02 61.43W–.04 123–2 3.8b 114 0-77
ISCJB VIII 25 15 25 50.7–.28 12.47N–.02 61.44W–.04 128–2 3.8b **¶11908775**
FUNV VIII 25 15 25 51.8 12.51N 61.20W 45 4.2W
NEIC VIII 25 15 25 52.3 12.49N 61.25W 108 4.0
IDC VIII 25 15 25 52.0–.88 12.59N 61.47W 128–7 4.3s,4.3
TRN VIII 25 15 25 52.1 12.48N 61.29W 111 4.0,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=2.7km az=16.2.
NEIC Event type se. After TRN.
IDC Error ellipse: s-maj=16.4km s-min=8.0km az=119.0.
ISC VIII 28 08 02 26.5–.85 14.86N–.05 61.31W–.09 145–7 53 0-6
NEIC VIII 28 08 02 25.6 14.84N 61.36W 146 3.7 **¶11222399**
TRN VIII 28 08 02 25.1 14.88N 61.18W 148 3.7,3.2
ISCJB VIII 28 08 02 26.3–.83 14.87N–.05 61.33W–.09 142–8 3.7,3.2
RSPR VIII 28 08 02 26.1 20.48N 60.35W 74–9 4.6,3.2
ISC Event type ke.
NEIC Event type se. After TRN.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=5.4km az=160.0.
RSPR Event type ke.
ISC IX 02 06 18 58.1–.67 13.87N–.02 60.39W–.03 19–3 4.6b,3.9s 416 1-163
IDC IX 02 06 18 54.7–.45 13.86N 60.36W 0 4.5,4.4 **¶11230917**
BJI IX 02 06 18 56.0 13.90N 60.40W 16 5.5b,5.0s
TRN IX 02 06 18 56.4 13.87N 60.44W 14 4.7,4.5
NEIC IX 02 06 18 57.0 13.86N 60.44W 16 4.7b,4.7
ISCJB IX 02 06 18 58.5–.36 13.88N–.02 60.41W–.03 36–2 4.6b,3.9s
FUNV IX 02 06 19 01.9 13.77N 60.47W 25 4.2W,3.9s
RSPR IX 02 06 19 08.7 13.87N 61.32W 35–34 4.6,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=10.7km az=76.0.
TRN Event type fe. Felt Widely in Saint Lucia,IV. St. Vinc ent III. Barbados III.
NEIC Event type fe. Felt at Babonneau, Blanchard, Castries, Choiseul, Desruisseaux and Monier. After TRN.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.6km az=175.4.
RSPR Event type ke.
TRN IX 02 06 22 54.3 13.83N 60.44W 14 3.6,2.9
NEIC IX 02 06 22 55.5 13.82N 60.41W 23 2.9,2.9 **¶12951851**
NEIC Event type se. After TRN.
TRN IX 02 06 56 17.4 13.81N 60.66W 23 3.6,3.4
NEIC IX 02 06 56 17.8 13.81N 60.67W 25 3.6,3.4 **¶12951850**
NEIC Event type se. After TRN.
TRN IX 02 08 21 05.0 13.85N 60.46W 18 3.7,3.5
NEIC IX 02 08 21 04.6 14.03N 60.48W 30 3.5,3.5 **¶12951845**
NEIC Event type se. After TRN.
ISC IX 04 21 46 18.6–.68 11.51N–.03 62.06W–.03 134–6 65 1-6
TRN IX 04 21 46 18.9 11.51N 62.00W 142 3.6 **¶12951884**
NEIC IX 04 21 46 18.9 11.51N 62.00W 142 3.6
FUNV IX 04 21 46 19.9 11.52N 61.97W 127 3.6W
ISC Event type se.
NEIC Event type se. After TRN.
ISC IX 07 13 51 26.7–.63 11.18N–.03 61.85W–.04 55–12 30 0-6
ISCJB IX 07 13 51 25.6–.64 11.17N–.03 61.85W–.04 65–9 **¶13860360**
TRN IX 07 13 51 26.7 11.27N 61.72W 17 2.8
FUNV IX 07 13 51 27.3 11.16N 61.82W 32 2.9W
ISCJB Error ellipse: s-maj=6.4km s-min=4.4km az=34.0.
TRN IX 09 07 54 01.8 14.01N 60.62W 9 3.7,3.5
¶13860367

ISC IX 09 10 45 29.7–.60 11.14N–.03 62.10W–.03 126–6 46 1-6
ISCJB IX 09 10 45 28.9–.56 11.14N–.03 62.11W–.03 129–5 **¶13860368**
FUNV IX 09 10 45 30.3 11.21N 62.02W 122 3.6W
TRN IX 09 10 45 32.7 11.19N 61.95W 116 3.6
ISCJB Error ellipse: s-maj=6.1km s-min=4.5km az=147.9.
TRN IX 13 07 50 05.8 13.84N 60.46W 18 3.6,3.5
¶13860404

TRN IX 13 07 52 25.9 13.84N 60.48W 19 3.7,3.5
¶13860405

ISC IX 18 09 40 36.2–.40 14.68N–.02 61.21W–.09 156–3 3.6b 70 0-75
ISCJB IX 18 09 40 35.1–.40 14.68N–.02 61.20W–.09 161–3 3.6b **¶11910542**
TRN IX 18 09 40 35.3 14.70N 61.10W 154 4.1,3.4
IDC IX 18 09 40 35.6–.53 14.73N 61.12W 148–4 3.7,3.4
NEIC IX 18 09 40 35.8–1.5 14.83N 61.07W 155–8 3.7,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=3.5km az=173.1.
IDC Error ellipse: s-maj=18.1km s-min=8.6km az=74.0.
NEIC Event type se. Error ellipse: s-maj=35.4km s-min=24.4km az=72.0.
TRN IX 19 14 45 28.9 13.84N 60.39W 17 3.7,3.1
¶13860457

ISC IX 21 09 34 05.0–1.2 11.51N–.04 60.07W–.10 51–15 31 1-8
TRN IX 21 09 34 05.0 11.53N 60.06W 32 3.2 **¶13860526**
FUNV IX 21 09 34 12.0 11.24N 60.43W 36 3.0W
ISC IX 27 01 33 20.4–.58 11.01N–.04 62.07W–.03 68–9 32 0-6
ISCJB IX 27 01 33 19.4–.56 10.99N–.04 62.08W–.03 76–7 **¶13860637**
FUNV IX 27 01 33 21.9 11.01N 62.07W 58 2.8W
TRN IX 27 01 33 21.7 11.06N 62.02W 56 2.9
ISCJB Error ellipse: s-maj=6.1km s-min=4.1km az=172.4.
TRN IX 28 16 08 23.1 13.98N 60.52W 25 3.5
¶13860654

ISC IX 29 00 42 17.0–.69 11.51N–.03 61.68W–.03 65–13 32 1-7
ISCJB IX 29 00 42 16.1–.63 11.51N–.03 61.68W–.03 73–10 **¶13860666**
FUNV IX 29 00 42 16.4 11.53N 61.57W 32 3.2W
TRN IX 29 00 42 17.9 11.52N 61.63W 57 3.4
ISCJB Error ellipse: s-maj=6.0km s-min=3.9km az=26.8.
TRN IX 29 21 02 01.1 13.77N 60.43W 23 3.6,3.2
¶13860667

ISC X 01 08 40 23.9–.95 11.79N–.07 61.90W–.05 143–8 29 0-7
ISCJB X 01 08 40 23.4–.92 11.83N–.06 61.94W–.05 142–8 **¶13909427**
TRN X 01 08 40 23.9 12.02N 61.74W 143 3.3
FUNV X 01 08 40 23.4 11.76N 61.63W 131 3.2W
ISCJB Error ellipse: s-maj=10.7km s-min=7.6km az=159.4.
TRN X 06 16 29 55.1 13.82N 60.39W 14 3.7,3.2
¶13932288

ISC X 09 08 58 03.6–.58 11.46N–.02 61.35W–.04 57–11 41 1-7
ISCJB X 09 08 58 02.5–.57 11.46N–.02 61.35W–.04 67–8 **¶13909677**
TRN X 09 08 58 04.2 11.49N 61.33W 45 3.2
FUNV X 09 08 58 04.6 11.27N 61.35W 16 2.9W
ISCJB Error ellipse: s-maj=6.3km s-min=3.8km az=4.3.
ISC X 13 01 13 39.5–.60 11.19N–.03 61.89W–.03 79–9 33 1-6
ISCJB X 13 01 13 38.3–.58 11.18N–.03 61.89W–.04 88–8 **¶13909814**
FUNV X 13 01 13 39.3 11.27N 61.76W 63 3.4W
TRN X 13 01 13 41.8 11.25N 61.83W 49 3.2
ISCJB Error ellipse: s-maj=6.7km s-min=4.4km az=39.6.
ISC X 18 02 45 38.8–.70 11.38N–.04 62.05W–.04 122–7 34 1-6
ISCJB X 18 02 45 38.0–.63 11.37N–.04 62.06W–.04 124–6 **¶13909950**
FUNV X 18 02 45 40.1 11.38N 62.04W 121 3.1W
TRN X 18 02 45 41.6 11.46N 61.75W 118 3.3
ISCJB Error ellipse: s-maj=6.7km s-min=5.5km az=39.9.
TRN X 19 12 55 57.4 13.77N 60.39W 14 3.8
¶13932526

ISC X 20 15 05 41.6–.78 14.20N–.03 61.4W–.10 51–25 30 0-6
TRN X 20 15 05 39.1 14.13N 61.52W 32 3.3,2.5 **¶13910002**
ISCJB X 20 15 05 40.9–.48 14.19N–.03 61.52W–.04 33 3.3,2.5
FUNV X 20 15 05 47.6 13.74N 61.67W 8 3.1W,2.5
ISCJB Error ellipse: s-maj=5.7km s-min=3.7km az=7.4.
TRN X 31 17 00 57.9 13.05N 60.54W 62 3.5
¶13932765

TRN XI 01 05 29 33.9 11.21N 61.50W 26 3.1
FUNV XI 01 05 29 33.8 11.01N 61.39W 24 2.9W **¶14011101**

ISC XI 02 05 12 51.4–.58 11.27N–.03 62.09W–.04 123–6 46 1-9
ISCJB XI 02 05 12 50.6–.52 11.27N–.03 62.10W–.03 125–5 ¶14011145
TRN XI 02 05 12 51.8 11.27N 62.06W 125 3.4
FUNV XI 02 05 12 52.7 11.26N 62.01W 117 3.2W
ISCJB Error ellipse: s-maj=6.4km s-min=3.8km az=36.7.
ISC XI 03 04 06 52.0–.68 11.85N–.04 61.06W–.06 67–19 47 1-10
ISCJB XI 03 04 06 50.6–.66 11.86N–.04 61.08W–.06 89–11 ¶14011180
FUNV XI 03 04 06 52.8 11.81N 60.94W 36 3.7W
TRN XI 03 04 06 53.8 12.36N 60.71W 3 3.9
ISCJB Error ellipse: s-maj=11.2km s-min=4.1km az=24.1.
TRN XI 08 08 11 55.8 13.65N 60.56W 27 3.5,3.1
¶14188571
ISC XI 12 02 46 29.9–.86 13.88N–.02 60.48W–.05 27–4 73 0-10
ISCJB XI 12 02 46 29.0–.91 13.88N–.02 60.43W–.06 28–4 ¶14011500
TRN XI 12 02 46 29.3 13.87N 60.56W 21 3.7
FUNV XI 12 02 46 31.3 13.91N 60.41W 36 3.7W
ISCJB Error ellipse: s-maj=9.0km s-min=3.2km az=3.3.
TRN XI 15 06 36 21.3 13.20N 61.37W 140 3.5,3.4
¶14188584
ISC XI 17 20 01 42.5–.78 11.69N–.04 61.67W–.04 103–8 36 0-7
ISCJB XI 17 20 01 41.6–.74 11.70N–.04 61.67W–.04 108–7 ¶14011686
FUNV XI 17 20 01 43.1 11.53N 61.53W 16 3.0W
TRN XI 17 20 01 43.0 11.78N 61.50W 96 3.2
ISCJB Error ellipse: s-maj=6.8km s-min=5.9km az=5.8.
TRN XI 26 09 13 40.6 13.89N 60.82W 32 3.2,2.5
¶14188595
TRN XI 28 03 05 33.5 14.89N 60.58W 43 3.5,3.4
¶14188599
ISC XI 30 05 30 37.9–.84 11.15N–.04 62.05W–.04 105–8 26 1-6
ISCJB XI 30 05 30 37.0–.85 11.15N–.04 62.05W–.04 110–9 ¶14012019
FUNV XI 30 05 30 38.1 11.16N 62.00W 107 3.4W
TRN XI 30 05 30 40.2 11.20N 61.94W 96 3.0
ISCJB Error ellipse: s-maj=7.4km s-min=5.8km az=154.3.
TRN XI 30 22 20 49.0 13.87N 60.44W 24 3.3
¶14188606
ISC XII 01 12 16 26.6–.91 11.16N–.05 61.92W–.04 69–12 20 1-5
ISCJB XII 01 12 16 25.9–.92 11.15N–.05 61.93W–.04 75–11 ¶14235964
FUNV XII 01 12 16 26.1 11.19N 61.76W 45 2.8W
TRN XII 01 12 16 28.9 11.29N 61.67W 23 2.5
ISCJB Error ellipse: s-maj=8.2km s-min=6.4km az=172.7.
ISC XII 03 15 16 40.3–.68 11.06N–.03 61.56W–.04 73–9 29 0-7
ISCJB XII 03 15 16 39.2–.67 11.05N–.03 61.56W–.04 81–8 ¶14236052
FUNV XII 03 15 16 40.5 11.08N 61.45W 33 3.0W
TRN XII 03 15 16 41.8 11.12N 61.50W 61 2.7
ISCJB Error ellipse: s-maj=6.6km s-min=5.1km az=22.7.
TRN XII 04 05 12 24.4 13.85N 60.43W 15 3.5,3.4
¶14236114
ISC XII 04 22 44 03.7–1.2 11.22N–.05 62.15W–.05 118–10 19 1-5
ISCJB XII 04 22 44 03.1–1.1 11.21N–.05 62.15W–.05 121–9 ¶14236117
FUNV XII 04 22 44 04.7 11.28N 62.15W 113 2.9W
TRN XII 04 22 44 04.2 11.33N 61.97W 133 2.8
ISCJB Error ellipse: s-maj=10.0km s-min=7.0km az=138.9.
TRN XII 15 06 17 45.5 14.06N 60.49W 31 2.9
¶14236494
TRN XII 25 22 48 37.5 12.93N 59.20W 10 3.7,3.5
¶14236857
ISC XII 26 01 19 35.4–.96 11.01N–.06 62.13W–.04 106–8 21 0-6
ISCJB XII 26 01 19 34.5–.95 11.00N–.06 62.13W–.04 110–8 ¶14249205
FUNV XII 26 01 19 37.4 10.99N 62.18W 102 2.9W
ISCJB Error ellipse: s-maj=10.3km s-min=6.8km az=176.3.
TRN XII 30 07 08 45.3 13.78N 60.42W 30 3.2,2.8
¶14236960

(96) Near north coast of Colombia.

ISC VII 10 05 56 45.3–1.2 12.48N–.03 71.74W–.03 33–10 3.6b,3.3s 56 1-53
IDC VII 10 05 56 38.1–1.2 12.58N 71.04W 0 4.0,3.9 ¶11811154
NEIC VII 10 05 56 41.7–.74 12.46N 71.55W 10 4.1b,3.9
FUNV VII 10 05 56 43.7 12.55N 71.83W 20 4.1W,3.9
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=19.9km az=66.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.1km az=87.0.
FUNV IX 19 02 43 00.3 12.77N 71.94W 4 3.7W
¶13860459
ISC X 26 16 02 50.7–.81 10.22N–.09 74.02W–.09 114–19 12 4-151
ISCJB X 26 16 02 49.3–.89 10.19N–.09 74.02W–.09 118–21 ¶12071166
IDC X 26 16 02 49.9–9.1 10.24N 72.72W 91–65 3.8,3.8
NEIC X 26 16 02 51.3–.88 10.26N 74.10W 76–13 3.8,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=11.0km az=41.9.
IDC Error ellipse: s-maj=75.6km s-min=51.6km az=56.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=11.9km az=68.0.
FUNV XII 09 10 20 48.1 11.89N 73.38W 35 3.8W
¶14249053

(97) Near coast of Venezuela.

ISC VII 03 21 17 19.3–.53 10.33N–.03 62.29W–.02 15–4 45 0-6
ISCJB VII 03 21 17 19.5–.46 10.32N–.03 62.29W–.02 21–5 ¶12950968
FUNV VII 03 21 17 19.5 10.33N 62.24W 11 3.2W
TRN VII 03 21 17 19.8 10.39N 62.24W 10 3.4
NEIC VII 03 21 17 20.1 10.39N 62.23W 12 3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.4km az=162.4.
NEIC Event type se. After TRN.
ISC VII 04 17 28 43.0–.52 10.34N–.03 62.28W–.02 10–4 45 0-5
ISCJB VII 04 17 28 43.5–.48 10.35N–.04 62.29W–.02 19–5 ¶12951014
FUNV VII 04 17 28 43.3 10.33N 62.28W 1 3.0W
NEIC VII 04 17 28 44.5 10.50N 62.18W 5 3.4
TRN VII 04 17 28 44.7 10.42N 62.17W 5 3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.2km az=165.1.
NEIC Event type se. After TRN.
ISC VII 05 21 38 02.8–.60 10.35N–.04 62.25W–.03 13–5 25 0-6
ISCJB VII 05 21 38 02.1–.98 10.31N–.04 62.25W–.03 12–7 ¶13587663
TRN VII 05 21 38 02.5 10.28N 62.18W 9 3.0
FUNV VII 05 21 38 03.2 10.35N 62.25W 5 2.9W
ISCJB Error ellipse: s-maj=7.3km s-min=4.2km az=159.9.
ISC VII 07 09 00 09.4–.69 10.33N–.05 62.50W–.03 18–5 22 0-6
ISCJB VII 07 09 00 08.5–.69 10.25N–.06 62.51W–.03 15–10 ¶13587676
FUNV VII 07 09 00 09.5 10.35N 62.50W 3 2.8W
TRN VII 07 09 00 09.7 10.12N 62.31W 3 3.3
ISCJB Error ellipse: s-maj=9.5km s-min=4.5km az=171.1.
ISC VII 09 03 55 15.4–.50 10.31N–.03 62.25W–.02 7–4 45 0-6
ISCJB VII 09 03 55 14.7–.69 10.29N–.03 62.25W–.02 6–5 ¶12951159
FUNV VII 09 03 55 15.4 10.30N 62.23W 2 3.1W
TRN VII 09 03 55 15.4 10.35N 62.23W 4 3.1
NEIC VII 09 03 55 15.5 10.35N 62.23W 5 3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=158.2.
NEIC Event type se. After TRN.
ISC VII 09 18 50 18.6–.55 10.91N–.03 62.33W–.03 96–6 64 0-8
ISCJB VII 09 18 50 17.8–.54 10.90N–.03 62.33W–.03 100–5 ¶12951147
FUNV VII 09 18 50 19.3 10.95N 62.27W 92 3.5W
TRN VII 09 18 50 20.4 10.96N 62.26W 87 3.5
NEIC VII 09 18 50 20.4 10.96N 62.26W 87 3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.0km az=135.6.
NEIC Event type se. After TRN.
ISC VII 10 05 06 23.1–.68 10.69N–.08 62.15W–.03 51–8 28 0-6
ISCJB VII 10 05 06 22.5–.73 10.69N–.08 62.15W–.03 55–8 ¶12951167
FUNV VII 10 05 06 23.1 10.66N 62.09W 49 2.4W
TRN VII 10 05 06 25.0 10.82N 62.00W 45 2.8
NEIC VII 10 05 06 25.0 10.82N 62.00W 45 2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=5.1km az=5.7.
NEIC Event type se. After TRN.
ISC VII 15 23 11 48.9–.83 10.38N–.06 62.35W–.03 20–6 14 0-1
ISCJB VII 15 23 11 49.0–.77 10.39N–.07 62.34W–.03 21–12 ¶13587732
TRN VII 15 23 11 49.0 10.06N 62.10W 3 3.1
FUNV VII 15 23 11 49.5 10.40N 62.35W 18 2.5W
ISCJB Error ellipse: s-maj=11.3km s-min=5.3km az=172.0.
ISC VII 16 23 59 46.9–.41 10.83N–.02 62.25W–.02 79–6 83 0-8
ISCJB VII 16 23 59 45.7–.39 10.83N–.02 62.26W–.02 87–5 ¶12951341
FUNV VII 16 23 59 46.9 10.90N 62.15W 76 3.2W
NEIC VII 16 23 59 46.9 10.91N 62.20W 21 3.6,3.0
TRN VII 16 23 59 47.6 10.83N 62.21W 72 3.6,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.1km az=143.8.
NEIC Event type se. After CAR.
ISC VII 20 09 57 53.2–.44 10.70N–.03 62.40W–.03 86–6 50 0-9
ISCJB VII 20 09 57 52.1–.42 10.69N–.03 62.40W–.03 94–6 ¶12951512
FUNV VII 20 09 57 54.2 10.63N 62.32W 81 3.7W
TRN VII 20 09 57 55.5 10.78N 62.31W 78 4.0
NEIC VII 20 09 57 55.7 10.78N 62.29W 79 4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=137.9.
NEIC Event type se. After TRN.
FUNV VII 27 00 35 10.8 11.20N 71.23W 132 3.7W
¶13587812
ISC VII 27 21 42 10.6–.55 10.47N–.03 62.68W–.02 10–4 3.4b 51 0-78
ISCJB VII 27 21 42 10.7–.48 10.45N–.03 62.71W–.02 20–5 3.4b ¶11812742
FUNV VII 27 21 42 10.3 10.46N 62.64W 2 3.5W
NEIC VII 27 21 42 10.3 10.46N 62.64W 2 3.5,3.4
TRN VII 27 21 42 12.1 10.59N 62.54W 4 3.4,3.4
IDC VII 27 21 42 16.8–9.7 10.59N 62.76W 78–74 3.6,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=164.4.
NEIC Event type se. After CAR.
IDC Error ellipse: s-maj=116.0km s-min=21.9km az=70.0.
ISC VII 29 23 20 42.4–.46 10.80N–.03 62.35W–.03 85–6 51 0-6
ISCJB VII 29 23 20 41.3–.44 10.80N–.03 62.35W–.03 92–5 ¶12951726
NEIC VII 29 23 20 43.9 10.77N 62.35W 81 3.8,3.6
FUNV VII 29 23 20 44.1 10.77N 62.35W 80 3.8W,3.6
TRN VII 29 23 20 45.3 10.86N 62.13W 82 3.6,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.4km az=138.5.
NEIC Event type se. After CAR.
ISC VII 30 09 23 50.5–.53 10.41N–.03 62.84W–.03 12–4 43 0-7
ISCJB VII 30 09 23 50.3–.47 10.39N–.03 62.86W–.03 19–5 ¶12951765
FUNV VII 30 09 23 50.7 10.39N 62.80W 7 3.6W
TRN VII 30 09 24 02.0 10.61N 62.20W 10 3.6W
NEIC VII 30 09 24 02.0 10.61N 62.20W 10 3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=163.0.
NEIC Event type se. After TRN.
ISC VIII 08 22 47 41.0–.65 10.41N–.04 62.29W–.03 1–6 34 0-6
ISCJB VIII 08 22 47 41.2–.73 10.41N–.04 62.29W–.03 9–5 ¶12099802
TRN VIII 08 22 47 42.8 10.42N 62.17W 3 2.7
NEIC VIII 08 22 47 42.8 10.42N 62.17W 3 2.7
FUNV VIII 08 22 47 42.7 10.45N 62.37W 1 2.9W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=3.9km az=159.8.
NEIC Event type se. After TRN.
ISC VIII 09 19 09 09.4–.59 10.89N–.04 62.29W–.03 79–7 49 0-6
ISCJB VIII 09 19 09 08.4–.58 10.88N–.04 62.29W–.03 85–6 ¶12099822
NEIC VIII 09 19 09 10.6 10.96N 62.23W 74 3.1
TRN VIII 09 19 09 10.6 10.96N 62.23W 74 3.1
FUNV VIII 09 19 09 10.0 10.90N 62.21W 71 2.9W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.1km az=164.2.
NEIC Event type se. After TRN.
ISC VIII 10 08 29 35.7–.59 10.42N–.04 62.35W–.03 6–6 33 0-6
ISCJB VIII 10 08 29 35.9–.79 10.41N–.04 62.36W–.03 13–6 ¶12099837
FUNV VIII 10 08 29 36.0 10.41N 62.36W 1 2.8W
NEIC VIII 10 08 29 40.1 10.60N 62.13W 3 2.9
TRN VIII 10 08 29 40.1 10.60N 62.13W 3 2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.9km az=159.2.
NEIC Event type se. After TRN.
ISC VIII 11 00 39 38.6–.64 10.88N–.04 62.40W–.03 78–7 33 0-6
ISCJB VIII 11 00 39 37.6–.62 10.87N–.04 62.40W–.03 84–7 ¶13728327
FUNV VIII 11 00 39 39.5 10.92N 62.36W 72 2.9W
TRN VIII 11 00 39 41.5 10.77N 62.02W 82 3.1
ISCJB Error ellipse: s-maj=7.2km s-min=5.2km az=173.2.
ISC VIII 11 07 19 26.4–.10 10.47N–.02 64.18W–.01 10 5.0b,4.4s 1019 1-158
LDG VIII 11 07 19 23.6–.26 10.59N 64.29W 10–0 5.2b,4.2s ¶11163352
ISCJB VIII 11 07 19 24.9–.10 10.53N–.02 64.21W–.01 10 5.0b,4.4s
IDC VIII 11 07 19 24.8–.38 10.43N 64.08W 0 4.8,4.8
NEIC VIII 11 07 19 26.4 10.51N 64.17W 13 5.2W,5.1b
FUNV VIII 11 07 19 26.4 10.52N 64.17W 14 5.2W,5.1b
TRN VIII 11 07 19 26.2 10.52N 64.23W 24 5.1,5.1b
BJI VIII 11 07 19 26.4 10.50N 64.20W 23 5.2b,5.0s
GCMT VIII 11 07 19 30.8–.20 10.61N 64.17W 15–1 5.2W,5.0s
SZGRF VIII 11 07 19 30.1 10.35N 64.33W 33 5.2b,5.0s
ISC Event type de.
LDG Event type ke. Error ellipse: s-maj=23.7km s-min=5.7km az=110.0.
ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=1.4km az=174.7.
IDC Error ellipse: s-maj=11.8km s-min=6.6km az=144.0.
NEIC Event type de. About 50 buildings slightly damaged in eastern Venezuela. Felt at Cariaco, Cumana, El Morro de Barcelona, Puerto La Cruz and by people in tall buildings at Caracas. After CAR.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s52,c70; s84,c146; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.72±.15 $M_{\theta\theta}$0.23±.14; $M_{\phi\phi}$0.49±.16; $M_{r\theta}$0.82±.41; $M_{\theta\phi}$-6.72±.14; $M_{\phi r}$-2.54±.56; Best double couple: NP1:ϕ_s90.00000°,δ70.00000°,λ177.00000°. NP2:ϕ_s181.00000°,δ88.00000°,λ20.00000°. Principal axes: T 7.7600,Plg16.0000° ,Azm47.0000°; N -1.1400,Plg70.0000°,Azm187.0000°; P -6.6200,Plg12.0000° ,Azm313.0000° M_o7.20000×10^{16}
SZGRF Near coast of Venezuela.
ISC VIII 13 08 15 42.6–.60 10.91N–.04 62.25W–.03 75–7 40 0-6
ISCJB VIII 13 08 15 41.6–.58 10.90N–.04 62.26W–.03 82–6 ¶12099902
TRN VIII 13 08 15 43.1 10.91N 62.25W 68 2.8
NEIC VIII 13 08 15 43.1 10.91N 62.25W 68 2.8
FUNV VIII 13 08 15 43.2 10.96N 62.19W 69 2.9W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=172.7.
NEIC Event type se. After TRN.
ISC VIII 14 15 23 51.5–.56 10.41N–.04 62.62W–.02 4–5 39 0-6
ISCJB VIII 14 15 23 51.6–.65 10.42N–.03 62.63W–.02 11–5 ¶12099938
FUNV VIII 14 15 23 51.7 10.43N 62.60W 1 3.1W
NEIC VIII 14 15 23 53.5 10.39N 62.47W 3 3.2
TRN VIII 14 15 23 53.5 10.39N 62.47W 3 3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.3km az=154.6.
NEIC Event type se. After TRN.
ISC VIII 16 06 18 50.2–.69 10.94N–.05 62.27W–.03 76–8 37 0-6
ISCJB VIII 16 06 18 49.1–.68 10.92N–.05 62.28W–.03 84–7 ¶12099976
FUNV VIII 16 06 18 50.5 10.91N 62.19W 72 2.8W
TRN VIII 16 06 18 53.4 11.02N 62.10W 62 2.8
NEIC VIII 16 06 18 53.4 11.02N 62.10W 62 2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.8km az=175.0.
NEIC Event type se. After TRN.
ISC VIII 20 07 38 44.6–.82 10.72N–.07 62.40W–.03 88–8 32 0-5

ISCJB	VIII	20 07 38 43.9–.80	10.68N–.07	62.40W–.03	91–7			¶12100084
FUNV	VIII	20 07 38 44.6	10.72N	62.33W	90	2.6W		
TRN	VIII	20 07 38 48.9	10.89N	62.18W	73	3.0		
NEIC	VIII	20 07 38 48.9	10.89N	62.18W	73	3.0		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=11.9km s-min=5.0km az=173.2.							
NEIC	Event type se. After TRN.							
ISC	**VIII**	**28 18 03 28.9–.65**	**10.78N–.05**	**62.47W–.03**	**75–7**		**36**	**0-6**
ISCJB	VIII	28 18 03 27.9–.63	10.77N–.05	62.47W–.03	81–7			¶12100328
FUNV	VIII	28 18 03 30.3	10.77N	62.46W	67	2.9W		
NEIC	VIII	28 18 03 31.1	10.98N	62.34W	64	2.8		
TRN	VIII	28 18 03 31.1	10.98N	62.34W	64	2.8		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.4km s-min=4.8km az=174.4.							
NEIC	Event type se. After TRN.							
ISC	**VIII**	**31 20 00 03.1–.52**	**10.47N–.03**	**62.48W–.03**	**84–6**		**50**	**0-6**
ISCJB	VIII	31 20 00 02.2–.50	10.47N–.03	62.48W–.03	90–6			¶12100412
FUNV	VIII	31 20 00 02.9	10.54N	62.40W	89	3.2W		
NEIC	VIII	31 20 00 05.1	10.46N	62.26W	85	3.1		
TRN	VIII	31 20 00 05.1	10.46N	62.26W	85	3.1		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=6.7km s-min=3.9km az=139.9.							
NEIC	Event type se. After TRN.							
ISC	**IX**	**06 20 31 58.5–.68**	**10.72N–.06**	**62.48W–.03**	**73–8**		**26**	**0-5**
ISCJB	IX	06 20 31 57.6–.66	10.71N–.06	62.48W–.03	78–7			¶13860357
FUNV	IX	06 20 31 59.8	10.71N	62.46W	65	2.8W		
TRN	IX	06 20 32 01.6	10.81N	62.29W	72	3.1		
ISCJB	Error ellipse: s-maj=9.4km s-min=4.2km az=169.8.							
ISC	**IX**	**23 22 26 41.1–.83**	**10.63N–.05**	**62.43W–.03**	**81–8**		**27**	**0-3**
ISCJB	IX	23 22 26 40.3–.82	10.62N–.05	62.44W–.03	85–8			¶13860578
TRN	IX	23 22 26 40.7	10.60N	62.33W	104	3.1		
FUNV	IX	23 22 26 41.2	10.68N	62.36W	80	2.4W		
ISCJB	Error ellipse: s-maj=8.3km s-min=4.6km az=158.6.							
ISC	**X**	**02 03 32 08.7–.51**	**10.76N–.03**	**62.45W–.03**	**76–7**		**41**	**0-6**
ISCJB	X	02 03 32 07.7–.49	10.74N–.03	62.45W–.03	83–6			¶13909457
FUNV	X	02 03 32 09.3	10.75N	62.39W	72	3.4W		
TRN	X	02 03 32 10.2	10.80N	62.30W	91	3.5		
ISCJB	Error ellipse: s-maj=5.8km s-min=3.7km az=150.5.							
ISC	**X**	**02 22 20 06.4–.56**	**10.36N–.03**	**62.86W–.03**	**9–4**		**27**	**0-6**
ISCJB	X	02 22 20 06.1–.64	10.35N–.03	62.88W–.03	12–4			¶13909467
FUNV	X	02 22 20 06.2	10.35N	62.81W	2	2.9W		
ISCJB	Error ellipse: s-maj=5.3km s-min=4.8km az=170.6.							
ISC	**X**	**04 22 33 07.8–.51**	**10.78N–.03**	**62.49W–.03**	**92–7**		**42**	**0-6**
ISCJB	X	04 22 33 06.9–.52	10.77N–.03	62.50W–.03	98–6			¶13909511
FUNV	X	04 22 33 07.8	10.82N	62.41W	94	3.2W		
TRN	X	04 22 33 09.6	10.88N	62.40W	18	3.6		
ISCJB	Error ellipse: s-maj=5.6km s-min=3.9km az=141.9.							
ISC	**X**	**09 12 45 12.8–.81**	**10.65N–.05**	**62.51W–.04**	**107–7**		**24**	**0-6**
ISCJB	X	09 12 45 12.0–.79	10.66N–.05	62.52W–.04	110–7			¶13909680
TRN	X	09 12 45 15.0	10.86N	62.38W	107	2.8		
FUNV	X	09 12 45 14.0	10.71N	62.52W	103	2.8W		
ISCJB	Error ellipse: s-maj=8.9km s-min=5.9km az=153.5.							
FUNV	**X**	**11 17 39 48.3**	**9.54N**	**62.19W**	**9**	**3.6W**		
								¶13909769
FUNV	**X**	**12 18 22 15.9**	**10.44N**	**62.71W**	**12**	**3.0W**		
								¶13909789
ISC	**X**	**14 04 13 43.0–.40**	**10.66N–.04**	**62.41W–.03**	**59–8**		**45**	**0-8**
ISCJB	X	14 04 13 41.9–.40	10.69N–.04	62.44W–.03	68–8			¶13909844
FUNV	X	14 04 13 43.9	10.56N	62.30W	54	3.6W		
TRN	X	14 04 13 44.3	10.92N	62.24W	10	3.3		
ISCJB	Error ellipse: s-maj=7.7km s-min=3.9km az=146.8.							
ISC	**X**	**16 10 33 29.6–.82**	**10.57N–.06**	**62.43W–.04**	**87–8**		**22**	**0-6**
ISCJB	X	16 10 33 28.6–.79	10.57N–.06	62.44W–.04	93–7			¶13909902
FUNV	X	16 10 33 30.4	10.61N	62.37W	84	2.9W		
TRN	X	16 10 33 32.6	10.91N	62.17W	93	2.9		
ISCJB	Error ellipse: s-maj=10.1km s-min=6.2km az=178.9.							
ISC	**X**	**17 01 53 32.5–.69**	**10.90N–.05**	**62.25W–.03**	**82–8**		**29**	**0-8**
ISCJB	X	17 01 53 31.6–.67	10.90N–.05	62.25W–.03	88–8			¶13909932
FUNV	X	17 01 53 33.3	10.93N	62.19W	76	3.4W		
TRN	X	17 01 53 34.9	10.98N	62.10W	82	3.3		
ISCJB	Error ellipse: s-maj=8.3km s-min=4.6km az=158.6.							
ISC	**X**	**19 19 42 34.2–.17**	**10.69N–.02**	**62.40W–.02**	**85–1**	**4.4b**	**351**	**0-161**
LDG	X	19 19 42 32.0–.27	10.91N	62.79W	90–0	4.3b		¶13397534
ISCJB	X	19 19 42 33.0–.18	10.72N–.02	62.40W–.02	91–1	4.4b		
NEIC	X	19 19 42 34.2	10.73N	62.25W	79	4.4b,4.3W		
FUNV	X	19 19 42 35.3	10.70N	62.31W	77	4.3W,4.3W		
TRN	X	19 19 42 36.1	10.83N	62.28W	75	4.3,4.3W		
IDC	X	19 19 42 37.2–3.0	10.81N	62.59W	116–26	4.2,4.2		
RSPR	X	19 19 42 44.7	11.41N	62.86W	12–29	4.2,4.2		
ISC	Event type fe.							
LDG	Event type ke. Error ellipse: s-maj=19.7km s-min=7.7km az=104.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=141.2.							
NEIC	Event type se. After CAR.							
TRN	Event type fe. Felt IV Trinidad.							
IDC	Error ellipse: s-maj=11.7km s-min=10.0km az=92.0.							
RSPR	Event type ke.							
ISC	**X**	**23 04 10 23.9–.41**	**10.30N–.05**	**62.07W–.04**	**27–7**		**31**	**0-6**
FUNV	X	23 04 10 21.9	10.26N	61.94W	4	3.1W		¶13910083
ISCJB	X	23 04 10 23.3–.41	10.28N–.05	62.11W–.04	29–7	3.1W		
TRN	X	23 04 10 25.8	10.40N	61.99W	3	3.3		
ISCJB	Error ellipse: s-maj=9.0km s-min=5.0km az=30.5.							
FUNV	**X**	**25 16 12 10.3**	**10.73N**	**62.40W**	**72**	**3.6W**		
								¶13910158
FUNV	**X**	**25 17 17 43.6**	**11.36N**	**69.55W**	**16**	**3.6W**		
								¶13910159
FUNV	**X**	**29 20 20 55.5**	**10.41N**	**63.29W**	**2**	**3.7W**		
								¶13910247
FUNV	**X**	**30 11 52 26.1**	**10.46N**	**64.36W**	**12**	**3.5W**		
								¶13910272
ISC	**X**	**31 15 39 09.4–.46**	**10.62N–.03**	**62.46W–.03**	**87–6**		**42**	**0-9**
ISCJB	X	31 15 39 08.2–.43	10.62N–.03	62.47W–.03	95–6			¶13910307
FUNV	X	31 15 39 10.4	10.63N	62.43W	83	3.4W		
TRN	X	31 15 39 12.9	10.77N	62.21W	77	3.7		
ISCJB	Error ellipse: s-maj=6.2km s-min=3.8km az=146.6.							
ISC	**XI**	**01 16 47 49.4–.49**	**10.84N–.03**	**62.27W–.03**	**95–6**		**57**	**0-9**
ISCJB	XI	01 16 47 48.3–.46	10.84N–.03	62.28W–.04	103–5			¶14011106
FUNV	XI	01 16 47 50.5	10.82N	62.20W	92	4.0W		
TRN	XI	01 16 47 50.5	10.83N	62.01W	106	3.8,3.2		
ISCJB	Error ellipse: s-maj=7.3km s-min=3.3km az=43.9.							
FUNV	**XI**	**02 21 36 43.2**	**11.85N**	**70.12W**	**33**	**3.6W**		
								¶14011148
ISC	**XI**	**05 09 15 39.7–.56**	**10.85N–.03**	**62.21W–.03**	**88–7**		**36**	**0-6**
ISCJB	XI	05 09 15 38.7–.53	10.85N–.03	62.21W–.03	95–6			¶14011253
FUNV	XI	05 09 15 41.8	10.79N	62.20W	83	3.0W		
TRN	XI	05 09 15 42.3	10.96N	62.12W	72	3.0		
ISCJB	Error ellipse: s-maj=6.1km s-min=4.4km az=143.9.							
ISC	**XI**	**07 15 27 49.9–.62**	**10.65N–.04**	**62.41W–.03**	**89–7**		**32**	**0-6**
ISCJB	XI	07 15 27 49.0–.59	10.64N–.04	62.41W–.03	95–7			¶14011339
FUNV	XI	07 15 27 50.4	10.69N	62.32W	86	3.1W		
TRN	XI	07 15 27 54.2	10.76N	62.12W	93	2.8		
ISCJB	Error ellipse: s-maj=6.8km s-min=4.9km az=171.3.							
ISC	**XI**	**09 06 35 27.6–.48**	**10.80N–.05**	**62.40W–.03**	**65–8**		**38**	**0-9**
ISCJB	XI	09 06 35 26.3–.47	10.79N–.05	62.41W–.03	75–7			¶14011397
FUNV	XI	09 06 35 28.7	10.77N	62.37W	60	3.5W		
TRN	XI	09 06 35 33.0	10.93N	61.99W	66	3.4		
ISCJB	Error ellipse: s-maj=8.0km s-min=4.4km az=158.5.							
FUNV	**XI**	**16 14 57 53.8**	**9.54N**	**62.12W**	**16**	**3.5W**		
								¶14011648
ISC	**XI**	**23 02 44 46.0–.79**	**10.34N–.05**	**62.36W–.03**	**4–7**		**25**	**0-6**
ISCJB	XI	23 02 44 45.6–1.0	10.35N–.05	62.33W–.03	10–9			¶14011837
FUNV	XI	23 02 44 45.9	10.34N	62.30W	2	2.8W		
TRN	XI	23 02 44 57.2	10.76N	61.74W	14	3.1		
ISCJB	Error ellipse: s-maj=9.3km s-min=5.7km az=1.4.							
ISC	**XI**	**24 00 43 56.6–.53**	**10.70N–.04**	**62.60W–.03**	**99–6**		**42**	**0-7**
ISCJB	XI	24 00 43 55.7–.52	10.69N–.04	62.61W–.03	102–6			¶14011848
FUNV	XI	24 00 43 57.3	10.66N	62.53W	98	3.2W		
TRN	XI	24 00 44 02.0	10.85N	62.24W	102	3.1		
ISCJB	Error ellipse: s-maj=6.6km s-min=3.9km az=153.6.							
ISC	**XI**	**28 04 18 39.9–.20**	**10.83N–.02**	**62.31W–.02**	**84–2**	**4.0b**	**155**	**0-146**
ISCJB	XI	28 04 18 38.8–.20	10.84N–.02	62.32W–.02	91–2	4.0b		¶11480308
FUNV	XI	28 04 18 39.9	10.85N	62.15W	72	3.8W		
IDC	XI	28 04 18 39.3–2.1	10.96N	62.47W	78–17	4.0,3.9		
NEIC	XI	28 04 18 40.4–.37	10.87N	62.34W	90–4	4.1b,4.0		
TRN	XI	28 04 18 40.9	10.84N	62.23W	85	4.0,4.0		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=136.3.							
IDC	Error ellipse: s-maj=16.4km s-min=12.7km az=148.0.							
NEIC	Event type fe. Error ellipse: s-maj=6.6km s-min=5.1km az=223.0. Felt at Port-of-Spain, Trinidad.							
ISC	**XII**	**01 07 05 17.1–.64**	**10.93N–.04**	**62.30W–.03**	**94–8**		**34**	**0-6**
ISCJB	XII	01 07 05 16.5–.64	10.93N–.04	62.30W–.03	96–7			¶14235963
FUNV	XII	01 07 05 17.9	10.88N	62.29W	97	3.0W		
TRN	XII	01 07 05 21.1	11.07N	62.02W	94	3.1		
ISCJB	Error ellipse: s-maj=6.7km s-min=4.6km az=144.1.							
ISC	**XII**	**04 21 00 27.5–.75**	**10.94N–.05**	**62.05W–.04**	**69–10**		**20**	**0-5**
ISCJB	XII	04 21 00 26.6–.74	10.93N–.05	62.06W–.04	75–9			¶14236116
FUNV	XII	04 21 00 27.6	10.99N	61.97W	59	2.8W		
TRN	XII	04 21 00 29.7	11.00N	61.97W	54	2.6		
ISCJB	Error ellipse: s-maj=8.4km s-min=5.6km az=162.5.							
ISC	**XII**	**07 19 16 10.4–.65**	**10.83N–.05**	**62.32W–.03**	**89–7**		**32**	**0-6**
ISCJB	XII	07 19 16 09.4–.63	10.82N–.05	62.33W–.03	96–7			¶14236223
FUNV	XII	07 19 16 11.1	10.85N	62.27W	85	2.9W		
TRN	XII	07 19 16 13.2	11.03N	62.22W	67	3.0		
ISCJB	Error ellipse: s-maj=8.0km s-min=4.5km az=167.5.							
FUNV	**XII**	**13 22 18 29.3**	**10.92N**	**68.68W**	**9**	**3.5W**		
								¶14249099
ISC	**XII**	**14 03 00 45.6–.55**	**10.62N–.04**	**62.44W–.03**	**94–6**		**37**	**0-6**
ISCJB	XII	14 03 00 44.7–.55	10.62N–.04	62.45W–.03	98–6			¶14236463
FUNV	XII	14 03 00 45.9	10.68N	62.37W	94	2.9W		
TRN	XII	14 03 00 47.4	10.67N	62.29W	99	2.8		
ISCJB	Error ellipse: s-maj=6.1km s-min=4.3km az=158.6.							
FUNV	**XII**	**20 21 20 29.3**	**12.89N**	**70.54W**	**3**	**4.1W**		
NEIC	XII	20 21 20 29.2	12.89N	70.54W	3	4.1W		¶13837178
NEIC	Event type se. After CAR.							
ISC	**XII**	**21 23 32 37.8–.49**	**10.93N–.03**	**62.26W–.03**	**87–7**		**45**	**0-8**
ISCJB	XII	21 23 32 36.7–.47	10.93N–.03	62.27W–.03	95–6			¶14236701
FUNV	XII	21 23 32 38.1	10.99N	62.18W	82	3.2W		
TRN	XII	21 23 32 39.0	10.96N	62.24W	78	3.6		
ISCJB	Error ellipse: s-maj=5.5km s-min=3.5km az=43.2.							
ISC	**XII**	**23 22 04 21.8–.72**	**10.72N–.06**	**62.42W–.04**	**77–8**		**24**	**0-6**
ISCJB	XII	23 22 04 20.7–.70	10.72N–.05	62.42W–.04	84–8			¶14236766
FUNV	XII	23 22 04 22.3	10.75N	62.37W	72	3.0W		
TRN	XII	23 22 04 23.4	11.08N	62.23W	19	2.9		
ISCJB	Error ellipse: s-maj=9.1km s-min=5.9km az=170.7.							

(98) Trinidad.

ISC	**VII**	**03 06 34 55.4–.09**	**10.37N–.01**	**60.472W–.01**	**45**	**5.6b,5.4s**	**1774**	**1-175**
BGS	VII	03 06 34 37.8–1.4	8.68N	62.27W	33–0	5.4s,5.4b		¶12951001
CASC	VII	03 06 34 46.2–4.0	9.89N	59.59W	35–999	5.7b,5.4b		
MOS	VII	03 06 34 51.8–.83	10.34N	60.44W	33	5.7b,5.3s		
LDG	VII	03 06 34 52.3–.35	10.38N	60.68W	46–0	5.6b,5.1s		
FUNV	VII	03 06 34 53.1	10.34N	60.20W	42	5.3W,5.1s		
NEIC	VII	03 06 34 53.7–.84	10.28N	60.44W	34–5	5.8W,5.7b		
ISCJB	VII	03 06 34 53.1–.09	10.37N–.01	60.492W–.01	43	5.6b,5.4s		
IDC	VII	03 06 34 54.9–.31	10.27N	60.53W	42–2	5.3s,5.3		
BJI	VII	03 06 34 54.0	11.26N	60.69W	33	5.7s,5.5b		
TRN	VII	03 06 34 54.6	10.50N	60.34W	26	5.6,5.5b		
GCMT	VII	03 06 34 56.6–.20	10.26N	60.28W	13–0	5.7W,5.5b		
SZGRF	VII	03 06 34 58.4	10.47N	59.65W	43	6.0b,5.5s		
ISC	Event type fe.							
BGS	Error ellipse: s-maj=388.8km s-min=219.0km az=-1.0.							
CASC	Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.							
MOS	Error ellipse: s-maj=4.8km s-min=3.5km az=55.1.							
LDG	Event type ke. Error ellipse: s-maj=18.3km s-min=10.1km az=79.0.							
NEIC	Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=176.0. Felt at Arouca and Galeota. Also felt on offshore platforms east of Trinidad. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s215.00000°,δ70.00000° ,λ-90.00000°. NP2:ϕ_s35.00000°,δ20.00000°,λ-90.00000°. Principal axes: T Plg25.0000° ,Azm305.0000°; N Plg0.0000°,Azm0.0000°; P Plg65.0000°,Azm125.0000° Moment Tensor Solution. s97 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.77 $M_{\theta\theta}$1.17 $M_{\phi\phi}$0.60 $M_{r\theta}$0.91 $M_{\theta\phi}$0.82 $M_{\phi r}$0.84 Best double couple: NP1:ϕ_s230.00000°,δ63.00000°,λ-94.00000°. NP2:ϕ_s59.00000° ,δ28.00000°,λ-83.00000°. Principal axes: T 2.1400,Plg17.0000°,Azm323.0000° ; N 0.0200,Plg3.0000°,Azm232.0000°; P -2.1700,Plg72.0000°,Azm131.0000° $M_0$2.10000×10^{17}							
ISCJB	Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=7.1.							
IDC	Error ellipse: s-maj=10.5km s-min=8.8km az=139.0.							
TRN	Event type fe. Felt offshore East Trinidad, IV.							
GCMT	Event type se. Data Used: II IU CN IC G. Surface waves: sta= 91, comp=184, per= 50. Moment Tensor Solution. s97,c166; s43,c53; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.55±.07 $M_{\theta\theta}$3.10±.06; $M_{\phi\phi}$0.45±.07; $M_{r\theta}$-0.84±.14; $M_{\theta\phi}$1.97±.05; $M_{\phi r}$1.79±.16; Best double couple: NP1:ϕ_s86.00000°,δ50.00000°,λ-54.00000°. NP2:ϕ_s218.00000°,δ52.00000°,λ-125.00000°. Principal axes: T 4.1500,Plg1.0000°,Azm332.0000°; N 0.3900,Plg27.0000°,Azm241.0000° ; P -4.5400,Plg63.0000°,Azm63.0000° $M_0$4.40000×10^{17}							
SZGRF	North Atlantic Ocean.							
TRN	**VII**	**03 07 16 24.9**	**10.36N**	**60.20W**	**75**	**3.7**		
FUNV	VII	03 07 16 22.8	10.41N	60.10W	46	3.6W		¶12950998
NEIC	VII	03 07 16 24.7	10.35N	60.20W	78	3.7		
NEIC	Event type se. After TRN.							
ISC	**VII**	**03 08 47 05.5–1.4**	**10.4N–.10**	**60.41W–.08**	**82–18**		**23**	**1-8**
FUNV	VII	03 08 47 04.8	10.39N	60.22W	73	3.2W		¶13587644
TRN	VII	03 08 47 08.9	10.69N	60.52W	29	3.0		
ISC	**VII**	**03 08 53 09.7–2.2**	**10.6N–.10**	**60.7W–.10**	**68–16**		**18**	**0-1**
ISCJB	VII	03 08 53 09.6–2.3	10.7N–.10	60.7W–.10	68–16			¶12950992
NEIC	VII	03 08 53 09.6	10.64N	60.68W	68	2.9		
TRN	VII	03 08 53 09.6	10.64N	60.68W	68	2.9		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=25.4km s-min=9.5km az=135.7.							
NEIC	Event type se. After TRN.							
TRN	**VII**	**03 10 13 36.0**	**10.50N**	**60.39W**	**55**	**3.4**		
FUNV	VII	03 10 13 30.4	10.48N	60.12W	31	3.6W		¶12950990
NEIC	VII	03 10 13 35.3	10.49N	60.32W	41	3.3		
NEIC	Event type se. After TRN.							
ISC	**VII**	**04 14 34 22.3–1.1**	**10.30N–.06**	**60.31W–.06**	**79–14**		**33**	**1-8**
FUNV	VII	04 14 34 19.8	10.42N	60.00W	40	3.4W		¶12951018
ISCJB	VII	04 14 34 20.0–1.1	10.34N–.06	60.28W–.07	108–11	3.4W		
TRN	VII	04 14 34 23.9	10.30N	60.43W	67	3.3		
NEIC	VII	04 14 34 23.9	10.30N	60.43W	67	3.3		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=11.2km s-min=9.7km az=32.9.							
NEIC	Event type se. After TRN.							
ISC	**VII**	**04 18 01 14.8–1.1**	**10.26N–.08**	**60.53W–.06**	**87–13**		**23**	**1-8**
ISCJB	VII	04 18 01 13.5–1.1	10.24N–.08	60.53W–.06	94–12			¶13587655
FUNV	VII	04 18 01 13.9	10.35N	60.31W	43	3.0W		
TRN	VII	04 18 01 14.2	10.66N	61.27W	107	2.7		
ISCJB	Error ellipse: s-maj=13.4km s-min=10.1km az=161.3.							
ISC	**VII**	**05 07 37 34.3–.33**	**10.37N–.03**	**60.46W–.03**	**45**	**4.1b**	**181**	**1-161**
IDC	VII	05 07 37 28.2–.68	10.39N	60.40W	0	4.2,4.1		¶11810683
FUNV	VII	05 07 37 30.4	10.44N	60.12W	31	4.0W,4.1		
ISCJB	VII	05 07 37 31.8–.33	10.34N–.03	60.44W–.03	43	4.1b,4.1		
TRN	VII	05 07 37 35.2	10.49N	60.54W	75	4.0,4.1		
NEIC	VII	05 07 37 38.4	10.63N	60.70W	66	4.2b,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=16.5km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.6km az=28.3.
NEIC Event type se. After TRN.

ISC	**VII**	**07 23 05 58.8–1.5**	**10.77N–.06**	**61.81W–.08**	**45–11**		**28**	**0-1**
ISCJB	VII	07 23 05 58.5–1.5	10.78N–.06	61.81W–.08	47–10			¶12951103
TRN	VII	07 23 05 58.7	10.76N	61.80W	45	2.5		
NEIC	VII	07 23 05 58.7	10.76N	61.80W	45	2.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.8km az=152.4.
NEIC Event type se. After TRN.

ISC	**VII**	**08 14 24 51.1–.87**	**10.34N–.04**	**60.44W–.06**	**87–8**		**53**	**1-8**
ISCJB	VII	08 14 24 49.8–.85	10.35N–.04	60.45W–.06	97–6			¶12951124
FUNV	VII	08 14 24 49.9	10.41N	60.23W	36	3.5W		
TRN	VII	08 14 24 51.3	10.33N	60.29W	64	3.4		
NEIC	VII	08 14 24 51.7	10.34N	60.33W	65	3.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.2km az=27.9.
NEIC Event type se. After TRN.

ISC	**VII**	**12 10 25 08.9–.97**	**10.24N–.05**	**60.27W–.07**	**69–14**		**42**	**1-8**
FUNV	VII	12 10 25 06.5	10.41N	59.97W	74	3.6W		¶12951241
ISCJB	VII	12 10 25 07.9–1.0	10.23N–.05	60.31W–.07	85–10	3.6W		
TRN	VII	12 10 25 09.3	10.30N	60.27W	27	3.6		
NEIC	VII	12 10 25 09.8	10.34N	60.28W	28	3.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=7.8km az=179.4.
NEIC Event type se. After TRN.

ISC	**VII**	**14 17 31 28.9–.52**	**10.35N–.02**	**60.46W–.03**	**39–4**	**4.4b,3.5s**	**161**	**1-161**
ISCJB	VII	14 17 31 28.4–.50	10.38N–.02	60.53W–.04	53–4	4.4b,3.5s		¶13389205
FUNV	VII	14 17 31 28.0	10.39N	60.29W	34	4.3W,3.5s		
TRN	VII	14 17 31 28.6	10.38N	60.37W	40	4.2,3.5s		
IDC	VII	14 17 31 29.1–.58	10.34N	60.45W	45–5	4.1,4.1		
NEIC	VII	14 17 31 30.0	10.44N	60.43W	43	4.6b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.2km az=27.9.
IDC Error ellipse: s-maj=12.1km s-min=10.0km az=170.0.
NEIC Event type se. After TRN.

ISC	**VII**	**14 18 22 05.2–1.3**	**10.47N–.07**	**60.51W–.08**	**81–10**		**30**	**1-8**
ISCJB	VII	14 18 22 03.9–1.3	10.45N–.07	60.51W–.08	89–9			¶12951290
FUNV	VII	14 18 22 04.7	10.44N	60.32W	36	3.4W		
TRN	VII	14 18 22 07.6	10.64N	60.63W	79	3.5		
NEIC	VII	14 18 22 07.6	10.64N	60.63W	79	3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=11.0km az=174.1.
NEIC Event type se. After TRN.

ISC	**VII**	**17 06 55 45.6–.91**	**10.29N–.05**	**60.77W–.06**	**56–10**		**33**	**0-7**
ISCJB	VII	17 06 55 44.8–.95	10.25N–.05	60.81W–.06	64–9			¶12951392
FUNV	VII	17 06 55 45.2	10.27N	60.62W	36	3.0W		
TRN	VII	17 06 55 51.6	10.74N	60.91W	15	3.2		
NEIC	VII	17 06 55 51.6	10.73N	60.91W	17	3.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=8.3km az=9.3.
NEIC Event type se. After TRN.

ISC	**VII**	**18 08 58 06.7–.44**	**10.10N–.03**	**61.75W–.03**	**21–4**		**27**	**0-3**
TRN	VII	18 08 58 04.5	10.09N	61.87W	21	3.0		¶13587756
ISCJB	VII	18 08 58 06.4–.44	10.08N–.03	61.75W–.04	23–4	3.0		
FUNV	VII	18 08 58 06.6	10.14N	61.66W	23	3.4W		

ISCJB Error ellipse: s-maj=5.8km s-min=5.4km az=11.9.

ISC	**VII**	**18 09 22 31.9–.77**	**10.14N–.05**	**61.68W–.05**	**24–4**		**32**	**0-5**
TRN	VII	18 09 22 27.8	10.04N	61.96W	23	3.0		¶12951436
NEIC	VII	18 09 22 30.0	10.12N	61.84W	26	3.0		
ISCJB	VII	18 09 22 31.5–.75	10.11N–.06	61.70W–.04	27–5	3.0		
FUNV	VII	18 09 22 32.1	10.22N	61.60W	28	2.9W		

ISC Event type se.
NEIC Event type se. After TRN.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.9km az=179.2.

TRN	**VII**	**27 03 45 22.2**	**10.96N**	**61.69W**	**22**	**2.4**		
								¶13587816
TRN	**VIII**	**01 07 42 07.3**	**10.57N**	**60.64W**	**37**	**3.1**		
FUNV	VIII	01 07 41 57.9	10.47N	60.05W	32	3.4W		¶12099576
NEIC	VIII	01 07 42 07.3	10.57N	60.64W	37	3.1		

NEIC Event type se. After TRN.

ISC	**VIII**	**05 07 51 30.6–.51**	**10.49N–.08**	**61.97W–.03**	**36–14**		**34**	**0-6**
ISCJB	VIII	05 07 51 29.9–.67	10.49N–.08	61.98W–.03	44–11			¶12099691
FUNV	VIII	05 07 51 30.3	10.35N	61.98W	15	2.8W		
NEIC	VIII	05 07 51 32.5	10.65N	61.78W	46	2.9		
TRN	VIII	05 07 51 32.5	10.65N	61.78W	46	2.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=4.9km az=179.7.
NEIC Event type se. After TRN.

ISC	**VIII**	**08 04 06 12.3–1.2**	**10.24N–.02**	**60.18W–.04**	**26–10**	**3.8b**	**113**	**1-79**
ISCJB	VIII	08 04 06 12.0–.67	10.23N–.03	60.20W–.05	42–6	3.8b		¶11907945
NEIC	VIII	08 04 06 11.5	10.24N	60.03W	82	4.0,3.9b		
FUNV	VIII	08 04 06 11.3	10.31N	59.95W	35	3.8W,3.9b		
TRN	VIII	08 04 06 12.2	10.25N	60.05W	76	4.0,3.9b		
IDC	VIII	08 04 06 13.8–.95	10.23N	60.16W	35–5	3.9,3.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.2km az=17.2.
NEIC Event type se. After TRN.
IDC Error ellipse: s-maj=24.0km s-min=16.1km az=87.0.

ISC	**VIII**	**12 12 30 04.2–.66**	**10.38N–.03**	**60.40W–.04**	**39–8**	**3.8b**	**87**	**1-145**
IDC	VIII	12 12 29 58.5–.97	10.29N	60.37W	0	4.0,4.0		¶11908113
FUNV	VIII	12 12 30 01.6	10.41N	60.21W	22	3.7W,4.0		
ISCJB	VIII	12 12 30 03.6–.65	10.41N–.03	60.45W–.04	58–6	3.8b,4.0		
NEIC	VIII	12 12 30 07.7	10.61N	60.51W	30	4.4b,3.8		
TRN	VIII	12 12 30 07.5	10.61N	60.51W	30	3.8,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=21.5km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.9km az=25.0.
NEIC Event type se. After TRN.

ISC	**VIII**	**13 11 36 29.7–.49**	**10.64N–.04**	**61.55W–.03**	**51–6**		**45**	**0-7**
ISCJB	VIII	13 11 36 28.5–.52	10.63N–.04	61.56W–.03	63–6			¶12099910
FUNV	VIII	13 11 36 28.3	10.74N	61.42W	27	2.8W		
NEIC	VIII	13 11 36 31.2	10.70N	61.49W	36	3.0		
TRN	VIII	13 11 36 31.2	10.70N	61.49W	36	3.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=164.4.
NEIC Event type se. After TRN.

FUNV	**VIII**	**23 21 44 03.8**	**10.21N**	**60.25W**	**59**	**3.2W**		
								¶13827802
ISC	**VIII**	**23 21 53 11.4–.45**	**10.21N–.02**	**60.67W–.03**	**41–3**	**4.4b,4.0s**	**330**	**0-161**
IDC	VIII	23 21 53 04.8–.43	10.11N	60.58W	0	4.5L,4.4		¶13392425
FUNV	VIII	23 21 53 08.0	10.17N	60.25W	37	4.6W,4.4		
ISCJB	VIII	23 21 53 11.7–.46	10.29N–.03	60.76W–.03	56–3	4.4b,4.0s		
BJI	VIII	23 21 53 12.4	10.50N	60.70W	43	4.7s,4.6b		
GCMT	VIII	23 21 53 12.2–.30	10.08N	60.42W	20–1	4.9W,4.6b		
TRN	VIII	23 21 53 13.7	10.43N	60.58W	45	4.4,4.6b		
NEIC	VIII	23 21 53 13.5	10.48N	60.65W	43	4.6b,4.4		

ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=10.9km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.4km az=42.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s22,c24; s68,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.78±.12 $M_{\theta\theta}$1.93±.11; $M_{\phi\phi}$-1.15±.09; $M_{r\theta}$0.83±.19; $M_{\theta\phi}$1.78±.09; $M_{\phi r}$-0.55±.18; Best double couple: NP1:ϕ_s23.00000°,δ64.00000°,λ-165.00000°. NP2:ϕ_s287.00000°,δ77.00000°,λ-27.00000°. Principal axes: T 2.8200,Plg9.0000° ,Azm337.0000°; N -0.4100,Plg60.0000°,Azm83.0000°; P -2.4200,Plg28.0000° ,Azm242.0000° $M_0$2.60000×10^{16}
NEIC Event type se. After TRN.

ISC	**VIII**	**24 03 31 29.9–.96**	**10.13N–.05**	**60.52W–.06**	**71–14**		**27**	**1-8**
ISCJB	VIII	24 03 31 28.6–.96	10.13N–.05	60.52W–.06	82–12			¶13728441
FUNV	VIII	24 03 31 29.6	10.13N	60.35W	35	3.4W		
TRN	VIII	24 03 31 33.6	10.36N	60.64W	70	3.5		

ISCJB Error ellipse: s-maj=9.9km s-min=8.6km az=11.8.

ISC	**IX**	**02 11 00 17.4–.64**	**10.94N–.02**	**60.71W–.04**	**57–8**		**80**	**0-9**
ISCJB	IX	02 11 00 16.2–.65	10.92N–.03	60.75W–.05	82–6			¶12951841
FUNV	IX	02 11 00 17.5	11.03N	60.64W	36	3.6W		
TRN	IX	02 11 00 18.5	10.97N	60.72W	33	3.3		
NEIC	IX	02 11 00 18.4	10.98N	60.72W	33	3.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.9km az=14.1.
NEIC Event type se. After TRN.

ISC	**IX**	**17 22 36 46.9–.81**	**10.28N–.05**	**62.00W–.05**	**26–8**		**15**	**0-6**
ISCJB	IX	17 22 36 46.3–.79	10.25N–.05	62.01W–.05	28–9			¶13860449
FUNV	IX	17 22 36 47.3	10.30N	61.99W	21	2.5W		

ISCJB Error ellipse: s-maj=9.2km s-min=8.1km az=34.7.

ISC	**IX**	**18 22 54 43.0–.70**	**10.70N–.08**	**61.66W–.03**	**3–10**		**13**	**0-2**
TRN	IX	18 22 54 41.4	10.73N	61.69W	3	2.7		¶13860451
FUNV	IX	18 22 54 44.6	10.72N	61.72W	4	2.4W		

ISC	**IX**	**26 19 58 55.9–.61**	**10.60N–.08**	**61.65W–.03**	**33–6**		**19**	**0-5**
ISCJB	IX	26 19 58 55.6–.99	10.60N–.07	61.64W–.03	42–22			¶13860629
FUNV	IX	26 19 58 55.2	10.86N	61.62W	16	3.1W		
TRN	IX	26 19 58 56.4	10.59N	61.59W	39	2.7		

ISCJB Error ellipse: s-maj=12.4km s-min=5.2km az=170.2.

ISC	**X**	**03 21 33 56.7–.89**	**10.45N–.06**	**61.21W–.05**	**50–7**		**27**	**0-7**
ISCJB	X	03 21 33 55.4–.91	10.42N–.07	61.24W–.06	57–7			¶13909490
TRN	X	03 21 33 58.0	10.50N	61.15W	39	3.1		
FUNV	X	03 21 34 07.6	10.56N	62.06W	67	2.6W		

ISCJB Error ellipse: s-maj=12.8km s-min=6.4km az=144.6.

FUNV	**X**	**06 06 00 23.4**	**10.30N**	**60.17W**	**35**	**3.1W**		
								¶13909559
ISC	**X**	**12 15 33 38.3–1.1**	**10.37N–.06**	**60.39W–.07**	**87–11**		**24**	**1-8**
FUNV	X	12 15 33 35.9	10.49N	60.07W	35	3.2W		¶13909787
ISCJB	X	12 15 33 37.0–1.1	10.38N–.07	60.40W–.07	98–9	3.2W		
TRN	X	12 15 33 40.9	10.43N	60.53W	79	3.3		

ISCJB Error ellipse: s-maj=12.5km s-min=9.7km az=39.8.

ISC	**X**	**27 19 49 17.6–.69**	**10.69N–.04**	**61.46W–.04**	**61–8**		**30**	**0-7**
ISCJB	X	27 19 49 16.1–.74	10.68N–.04	61.45W–.04	78–8			¶13910205
FUNV	X	27 19 49 17.2	10.66N	61.37W	24	3.0W		
TRN	X	27 19 49 19.9	10.91N	61.38W	20	3.3		

ISCJB Error ellipse: s-maj=8.6km s-min=4.6km az=42.3.

ISC	**X**	**29 02 52 30.9–.62**	**10.58N–.05**	**61.72W–.03**	**51–9**		**26**	**0-6**
ISCJB	X	29 02 52 29.7–.66	10.58N–.05	61.72W–.04	63–8			¶13910240
FUNV	X	29 02 52 30.1	10.53N	61.61W	27	3.4W		
TRN	X	29 02 52 32.0	10.64N	61.70W	38	3.2		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.8km az=152.4.
TRN Event type fe. Felt in Trinidad II.

ISC	**XI**	**03 20 14 46.6–.63**	**10.32N–.02**	**60.30W–.05**	**10**	**3.5b**	**59**	**1-79**
ISCJB	XI	03 20 14 44.6–.68	10.33N–.03	60.27W–.05	10	3.5b		¶12072166
FUNV	XI	03 20 14 46.8	10.33N	60.19W	10	3.5W		
IDC	XI	03 20 14 48.3–2.7	11.21N	60.31W	0	4.1,3.7		
TRN	XI	03 20 14 50.6	10.41N	60.25W	27	3.7,3.7		

ISCJB Error ellipse: s-maj=7.1km s-min=3.5km az=11.2.
IDC Error ellipse: s-maj=79.8km s-min=35.2km az=169.0.

ISC	**XI**	**04 03 11 15.7–.73**	**10.35N–.03**	**60.39W–.05**	**92–7**	**3.3b**	**55**	**1-72**
IDC	XI	04 03 11 09.4–1.8	9.53N	60.84W	0	3.7,3.5		¶12072204
FUNV	XI	04 03 11 13.8	10.41N	60.08W	50	3.8W,3.5		
ISCJB	XI	04 03 11 14.3–.73	10.35N–.03	60.39W–.05	102–6	3.3b,3.5		
TRN	XI	04 03 11 16.1	10.36N	60.29W	73	3.9,3.5		

IDC Error ellipse: s-maj=70.0km s-min=25.3km az=3.0.
ISCJB Error ellipse: s-maj=9.0km s-min=4.3km az=21.5.

ISC	**XI**	**05 15 01 42.4–.64**	**10.34N–.03**	**60.41W–.04**	**51–7**	**3.8b,3.5s**	**69**	**1-161**
IDC	XI	05 15 01 36.4–.87	10.45N	60.21W	0	4.1,3.8		¶12072421
FUNV	XI	05 15 01 40.0	10.38N	60.09W	35	4.1W,3.8		
NEIC	XI	05 15 01 41.4–1.8	10.24N	60.42W	38–15	4.1W,3.8		
ISCJB	XI	05 15 01 42.1–.60	10.38N–.03	60.50W–.04	75–5	3.8b,3.8		
TRN	XI	05 15 01 43.7	10.47N	60.49W	72	3.9,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=19.4km az=76.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=15.3km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.5km az=31.0.

ISC	**XI**	**07 08 18 40.7–.99**	**10.22N–.05**	**60.50W–.06**	**74–12**		**27**	**1-8**
ISCJB	XI	07 08 18 39.4–1.0	10.24N–.05	60.51W–.07	88–10			¶14011333
FUNV	XI	07 08 18 39.6	10.27N	60.28W	52	3.4W		
TRN	XI	07 08 18 44.8	10.47N	60.67W	66	3.2		

ISCJB Error ellipse: s-maj=10.9km s-min=8.5km az=14.9.

FUNV	**XI**	**09 03 20 34.6**	**10.12N**	**60.34W**	**35**	**3.6W**		
								¶14011396
TRN	**XI**	**09 05 16 43.4**	**10.62N**	**61.10W**	**15**	**2.9**		
								¶14188572
ISC	**XI**	**15 18 06 08.7–1.2**	**10.39N–.08**	**60.28W–.07**	**77–15**		**22**	**1-8**
ISCJB	XI	15 18 06 07.5–1.2	10.40N–.08	60.29W–.08	90–11			¶14011613
FUNV	XI	15 18 06 07.7	10.43N	60.06W	58	3.8W		
TRN	XI	15 18 06 10.2	10.52N	60.45W	89	3.2		

ISCJB Error ellipse: s-maj=14.1km s-min=11.9km az=148.7.

ISC	**XII**	**21 12 55 39.2–.15**	**10.80N–.01**	**61.57W–.02**	**57**	**4.8b,3.9s**	**357**	**0-162**
LDG	XII	21 12 55 35.1–.63	10.78N	62.00W	55–0	4.8b,3.8s		¶13403578
ISCJB	XII	21 12 55 37.1–.15	10.79N–.01	61.59W–.02	55	4.8b,3.9s		
FUNV	XII	21 12 55 38.3	10.77N	61.32W	35	4.8W,3.9s		
NEIC	XII	21 12 55 38.7–.19	10.82N	61.66W	54	4.9b,4.3		
TRN	XII	21 12 55 39.2	10.84N	61.41W	25	5.7,4.3		
BJI	XII	21 12 55 39.2	10.80N	61.60W	81	5.2s,5.1b		
IDC	XII	21 12 55 39.2–1.6	10.92N	61.70W	56–14	4.4,4.4		

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=50.5km s-min=11.9km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=27.6.
NEIC Event type fe. Error ellipse: s-maj=4.7km s-min=3.9km az=212.0. Felt [III] at Arima, Chaguanas, Couva, Mucurapo, Port-of-Spain, Saint Joseph, San Juan, Tacarigua and Tunapuna; [II] at San Fernando. Also felt at Arouca, Cocorite, Princes Town, Saint Augustine and Tabaquite.
TRN Event type fe. Felt mainly in Port of Spain and environ s, III and IV.
IDC Error ellipse: s-maj=11.8km s-min=8.3km az=101.0.

(99) Northern Colombia.

FUNV	**VII**	**01 05 03 49.0**	**9.72N**	**73.26W**	**141**	**3.6W**		
								¶13587628
FUNV	**VII**	**05 12 54 44.5**	**6.86N**	**73.00W**	**161**	**3.6W**		
								¶13587661
ISC	**VII**	**05 15 31 35.8–.41**	**6.84N–.05**	**73.02W–.06**	**159–5**	**3.8b**	**46**	**1-150**
ISCJB	VII	05 15 31 34.9–.41	6.84N–.05	73.02W–.05	166–5	3.8b		¶11810713
IDC	VII	05 15 31 35.9–1.2	6.79N	73.06W	160–12	3.8,3.5		
NEIC	VII	05 15 31 36.0–.62	6.77N	73.04W	165–7	4.4b,3.5		
FUNV	VII	05 15 31 39.5	7.09N	73.01W	164	4.3W,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.4km az=36.1.
IDC Error ellipse: s-maj=19.4km s-min=14.9km az=102.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.2km az=123.0.

FUNV	**VII**	**06 01 35 04.5**	**6.78N**	**73.21W**	**148**	**3.5W**		
								¶13587668
FUNV	**VII**	**08 03 36 28.3**	**6.77N**	**73.15W**	**166**	**3.5W**		
								¶13587681
FUNV	**VII**	**08 16 15 15.0**	**6.84N**	**73.14W**	**172**	**3.8W**		
								¶13587682
ISC	**VII**	**09 12 43 12.5–.56**	**6.87N–.06**	**72.97W–.06**	**166–5**	**3.8b**	**47**	**1-150**
ISCJB	VII	09 12 43 12.0–.67	6.92N–.06	72.97W–.06	175–6	3.8b		¶11811081
FUNV	VII	09 12 43 12.6	6.78N	73.06W	173	3.6W		
IDC	VII	09 12 43 12.3–1.3	6.76N	73.11W	163–13	3.8,3.5		
NEIC	VII	09 12 43 12.7–.87	6.74N	73.06W	174–9	4.2b,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=9.0km az=142.4.
IDC Error ellipse: s-maj=25.2km s-min=17.5km az=121.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=13.3km az=137.0.

ISC	**VII**	**11 18 22 10.2–1.6**	**7.41N–.05**	**73.17W–.03**	**33–15**	**3.9b**	**55**	**2-153**	
IDC	VII	11 18 22 04.5–.81	7.57N	73.17W	0	4.3,4.2			¶11811281
FUNV	VII	11 18 22 05.4	7.15N	73.48W	20	4.4W,4.2			
ISCJB	VII	11 18 22 07.1–1.4	7.43N–.05	73.21W–.04	15–10	3.9b,4.2			
NEIC	VII	11 18 22 10.0–2.5	7.55N	73.13W	35–21	3.9b,4.2			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=28.5km s-min=14.0km az=105.0.								
ISCJB	Event type fe. Error ellipse: s-maj=7.8km s-min=6.1km az=166.6.								
NEIC	Event type fe. Error ellipse: s-maj=12.5km s-min=9.3km az=131.0. Felt at Bucaramanga.								
FUNV	**VII**	**11 22 20 20.3**	**6.69N**	**73.16W**	**168**	**3.6W**			
									¶13587700
FUNV	**VII**	**12 05 40 13.2**	**6.68N**	**73.23W**	**156**	**3.6W**			
									¶13587702
ISC	**VII**	**20 06 59 35.1–.63**	**6.91N–.07**	**73.02W–.08**	**158–7**	**3.0b**	**24**	**1-149**	
ISCJB	VII	20 06 59 34.2–.63	6.91N–.07	73.03W–.08	162–7	3.0b			¶12698343
IDC	VII	20 06 59 36.6–5.8	6.71N	73.21W	180–41	3.1,2.9			
FUNV	VII	20 06 59 38.8	7.09N	72.96W	160	3.7W,2.9			
ISCJB	Error ellipse: s-maj=15.8km s-min=7.3km az=39.1.								
IDC	Error ellipse: s-maj=91.3km s-min=24.9km az=62.0.								
FUNV	**VII**	**24 02 34 56.9**	**6.91N**	**73.02W**	**163**	**3.8W**			
									¶13587797
ISC	**VII**	**25 04 01 03.0–.56**	**6.83N–.05**	**72.86W–.04**	**173–4**	**3.9b**	**84**	**1-154**	
FUNV	VII	25 04 01 00.4	6.70N	73.25W	165	4.3W			¶13390033
ISCJB	VII	25 04 01 02.2–.55	6.85N–.05	72.86W–.03	181–4	3.9b			
NEIC	VII	25 04 01 02.7–.63	6.76N	72.93W	174–6	3.9b			
IDC	VII	25 04 01 02.0–2.5	6.78N	72.90W	166–22	3.7,3.6			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=7.5km s-min=5.3km az=13.2.								
NEIC	Event type se. Error ellipse: s-maj=7.2km s-min=6.2km az=203.0.								
IDC	Error ellipse: s-maj=16.3km s-min=13.3km az=31.0.								
ISC	**VIII**	**01 03 21 37.7–.44**	**6.83N–.05**	**73.03W–.05**	**154–5**	**3.6b**	**40**	**1-63**	
ISCJB	VIII	01 03 21 36.8–.45	6.85N–.05	73.04W–.05	160–5	3.6b			¶11907655
IDC	VIII	01 03 21 38.0–1.6	6.66N	73.10W	164–43	3.7,3.6			
FUNV	VIII	01 03 21 37.5	6.77N	73.14W	165	3.7W,3.6			
NEIC	VIII	01 03 21 38.2–.68	6.84N	73.09W	154–9	3.6b,3.6			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=9.5km s-min=5.9km az=139.8.								
IDC	Error ellipse: s-maj=64.6km s-min=22.6km az=160.0.								
NEIC	Event type se. Error ellipse: s-maj=13.2km s-min=8.3km az=131.0.								
FUNV	**VIII**	**04 11 04 49.0**	**6.79N**	**73.19W**	**163**	**3.5W**			
									¶13808588
FUNV	**VIII**	**05 04 04 53.4**	**6.74N**	**73.07W**	**177**	**3.6W**			
									¶13808636
FUNV	**VIII**	**07 17 44 34.4**	**9.73N**	**73.67W**	**5**	**3.5W**			
									¶13827031
FUNV	**VIII**	**10 14 21 40.4**	**8.74N**	**73.49W**	**15**	**3.6W**			
									¶13827149
ISC	**VIII**	**10 18 40 14.7–.32**	**6.79N–.03**	**72.87W–.03**	**166–3**	**4.5b**	**509**	**1-154**	
ISCJB	VIII	10 18 40 13.8–.32	6.79N–.03	72.87W–.03	175–3	4.5b			¶11813187
NEIC	VIII	10 18 40 14.4–.43	6.74N	72.91W	166–4	4.6b			
IDC	VIII	10 18 40 15.1–1.1	6.72N	72.97W	170–10	4.2,4.0b			
FUNV	VIII	10 18 40 16.5	6.91N	73.01W	164	5.0W,4.0b			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=5.2km s-min=4.4km az=158.1.								
NEIC	Event type fe. Error ellipse: s-maj=4.6km s-min=4.1km az=64.0. Felt at Bogota.								
IDC	Error ellipse: s-maj=15.1km s-min=10.1km az=71.0.								
ISC	**VIII**	**11 09 10 13.2–.80**	**7.15N–.07**	**72.91W–.06**	**172–7**	**3.4b**	**38**	**1-149**	
FUNV	VIII	11 09 10 11.0	6.92N	73.13W	173	4.2W			¶12581022
ISCJB	VIII	11 09 10 12.5–.76	7.18N–.07	72.90W–.06	180–6	3.4b			
IDC	VIII	11 09 10 12.3–2.4	6.67N	73.10W	178–23	3.5,3.3			
ISCJB	Error ellipse: s-maj=11.2km s-min=8.8km az=158.7.								
IDC	Error ellipse: s-maj=40.4km s-min=29.4km az=84.0.								
FUNV	**VIII**	**12 10 18 26.6**	**6.40N**	**73.51W**	**129**	**3.6W**			
									¶13827235
FUNV	**VIII**	**14 13 13 34.5**	**6.37N**	**73.57W**	**129**	**3.6W**			
									¶13827335
ISC	**VIII**	**14 13 40 20.3–.72**	**6.53N–.05**	**73.32W–.06**	**145–9**		**31**	**2-150**	
FUNV	VIII	14 13 40 17.8	6.33N	73.69W	116	3.7W			¶12581076
ISCJB	VIII	14 13 40 19.2–.72	6.54N–.05	73.33W–.06	153–8	3.7W			
IDC	VIII	14 13 40 21.3–6.1	6.64N	73.78W	132–34	4.0,3.6b			
ISCJB	Error ellipse: s-maj=11.8km s-min=6.1km az=40.6.								
IDC	Error ellipse: s-maj=236.7km s-min=40.1km az=96.0.								
FUNV	**VIII**	**16 15 48 02.4**	**7.24N**	**72.12W**	**8**	**3.5W**			
									¶13827421
ISC	**VIII**	**17 11 56 41.5–.56**	**6.92N–.06**	**72.93W–.05**	**162–5**	**4.0b**	**198**	**1-151**	
NEIC	VIII	17 11 56 39.1–.65	6.36N	72.48W	196–7	4.0b			¶11167623
IDC	VIII	17 11 56 39.9–.99	6.72N	72.98W	159–11	3.9,3.7			
ISCJB	VIII	17 11 56 40.9–.60	6.96N–.06	72.89W–.05	174–5	3.9b,3.7			
FUNV	VIII	17 11 56 42.1	6.95N	73.06W	169	4.1W,3.7			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=17.0km s-min=7.3km az=131.0.								
IDC	Error ellipse: s-maj=20.8km s-min=12.7km az=138.0.								
ISCJB	Event type se. Error ellipse: s-maj=10.9km s-min=7.8km az=160.7.								
ISC	**VIII**	**17 18 41 42.3–.45**	**6.85N–.05**	**72.98W–.06**	**160–5**	**3.8b**	**49**	**1-150**	
ISCJB	VIII	17 18 41 41.3–.45	6.87N–.05	73.01W–.06	166–5	3.8b			¶11908367
IDC	VIII	17 18 41 41.5–1.3	6.78N	72.97W	156–14	3.9,3.7			
FUNV	VIII	17 18 41 41.9	6.78N	73.15W	164	4.0W,3.7			
NEIC	VIII	17 18 41 42.4–.55	6.73N	72.93W	169–7	4.0b,3.7			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=11.2km s-min=5.8km az=42.3.								
IDC	Error ellipse: s-maj=28.0km s-min=15.8km az=127.0.								
NEIC	Event type se. Error ellipse: s-maj=13.7km s-min=7.3km az=130.0.								
ISC	**VIII**	**17 20 06 29.7–.84**	**7.01N–.07**	**73.53W–.10**	**122–11**		**22**	**1-150**	
IDC	VIII	17 20 06 18.8–1.5	6.75N	75.97W	0	3.7,3.6b			¶12581159
ISCJB	VIII	17 20 06 28.4–.83	6.97N–.08	73.52W–.10	131–10	3.7,3.6b			
FUNV	VIII	17 20 06 31.2	7.02N	73.62W	114	3.6W,3.6b			
IDC	Error ellipse: s-maj=93.8km s-min=25.5km az=54.0.								
ISCJB	Error ellipse: s-maj=19.2km s-min=8.6km az=36.8.								
FUNV	**VIII**	**19 22 15 30.7**	**8.06N**	**73.78W**	**73**	**3.5W**			
									¶13827585
FUNV	**VIII**	**20 12 35 16.2**	**6.76N**	**71.98W**	**15**	**3.7W**			
									¶13827639
ISC	**VIII**	**21 03 59 52.0–.53**	**6.75N–.05**	**72.97W–.05**	**169–6**	**3.4b**	**40**	**1-150**	
FUNV	VIII	21 03 59 50.1	6.67N	73.24W	176	3.7W			¶11908518
ISCJB	VIII	21 03 59 51.1–.54	6.77N–.06	72.97W–.05	176–6	3.4b			
NEIC	VIII	21 03 59 52.5–.62	6.64N	72.96W	176–7	3.4b			
IDC	VIII	21 03 59 52.1–1.4	6.61N	72.96W	171–15	3.5,3.4			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=10.5km s-min=7.1km az=137.3.								
NEIC	Event type se. Error ellipse: s-maj=13.6km s-min=8.8km az=127.0.								
IDC	Error ellipse: s-maj=27.5km s-min=18.8km az=154.0.								
ISC	**VIII**	**21 19 01 24.1–.85**	**7.10N–.08**	**73.81W–.09**	**115–9**	**3.5b**	**19**	**2-149**	
ISCJB	VIII	21 19 01 22.9–.91	7.12N–.08	73.82W–.09	120–10	3.5b			¶13392279
NEIC	VIII	21 19 01 23.8–.85	7.04N	73.85W	117–9	3.5b			
IDC	VIII	21 19 01 24.3–1.7	7.04N	73.81W	120–19	3.6,3.5			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=19.0km s-min=8.5km az=41.2.								
NEIC	Event type se. Error ellipse: s-maj=13.9km s-min=9.4km az=131.0.								
IDC	Error ellipse: s-maj=20.9km s-min=18.0km az=66.0.								
FUNV	**VIII**	**21 23 22 47.2**	**6.73N**	**73.09W**	**152**	**3.5W**			
									¶13827702
FUNV	**VIII**	**22 05 49 21.1**	**6.74N**	**73.16W**	**158**	**3.7W**			
									¶13827755
ISC	**VIII**	**25 09 19 03.0–.46**	**6.90N–.05**	**72.96W–.05**	**162–5**	**3.7b**	**44**	**1-151**	
ISCJB	VIII	25 09 19 02.0–.46	6.93N–.05	73.00W–.05	167–5	3.7b			¶11908747
IDC	VIII	25 09 19 02.4–1.2	6.86N	72.97W	156–14	3.7,3.5			
NEIC	VIII	25 09 19 02.8–.65	6.98N	73.16W	146–13	4.0b,3.5			
FUNV	VIII	25 09 19 02.4	6.81N	73.14W	169	3.7W,3.5			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=10.5km s-min=5.5km az=137.6.								
IDC	Error ellipse: s-maj=25.7km s-min=14.1km az=138.0.								
NEIC	Event type se. Error ellipse: s-maj=18.8km s-min=9.1km az=148.0.								
FUNV	**VIII**	**25 17 29 10.4**	**6.83N**	**73.00W**	**163**	**3.6W**			
									¶13827875
FUNV	**VIII**	**27 04 34 48.5**	**6.87N**	**73.11W**	**170**	**3.7W**			
									¶13827980
ISC	**VIII**	**30 20 45 56.1–.40**	**6.77N–.05**	**72.91W–.05**	**158–5**	**3.7b**	**62**	**1-150**	
ISCJB	VIII	30 20 45 55.2–.41	6.80N–.05	72.93W–.05	164–5	3.7b			¶11909136
NEIC	VIII	30 20 45 55.9–.77	6.76N	73.06W	154–8	4.4b			
IDC	VIII	30 20 45 56.5–1.4	6.71N	73.09W	159–13	3.7,3.5			
FUNV	VIII	30 20 45 56.2	6.78N	73.10W	167	4.0W,3.5			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=9.2km s-min=5.0km az=135.8.								
NEIC	Event type se. Error ellipse: s-maj=12.9km s-min=9.2km az=123.0.								
IDC	Error ellipse: s-maj=22.4km s-min=16.9km az=106.0.								
ISC	**IX**	**01 04 33 27.1–.48**	**6.81N–.05**	**72.89W–.04**	**163–4**	**3.8b**	**213**	**1-154**	
ISCJB	IX	01 04 33 26.2–.48	6.83N–.05	72.89W–.04	171–4	3.8b			¶11909199
IDC	IX	01 04 33 26.8–1.5	6.75N	72.92W	168–14	3.8,3.7			
NEIC	IX	01 04 33 27.0–.45	6.74N	72.93W	170–4	4.1b,3.7			
FUNV	IX	01 04 33 29.0	6.94N	72.95W	170	4.1W,3.7			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=8.0km s-min=6.9km az=173.3.								
IDC	Error ellipse: s-maj=15.3km s-min=11.8km az=57.0.								
NEIC	Event type se. Error ellipse: s-maj=7.0km s-min=5.7km az=114.0.								
FUNV	**IX**	**02 18 50 30.3**	**6.88N**	**73.15W**	**177**	**3.6W**			
									¶13860332
ISC	**IX**	**03 15 04 22.6–.86**	**6.95N–.07**	**72.79W–.07**	**168–8**	**3.5b**	**25**	**1-151**	
ISCJB	IX	03 15 04 22.3–1.0	7.02N–.08	72.76W–.07	180–8	3.5b			¶11909379
FUNV	IX	03 15 04 22.0	6.91N	72.98W	179	2.9W			
NEIC	IX	03 15 04 22.0–.90	6.69N	72.95W	172–12	2.9W			
IDC	IX	03 15 04 24.1–2.6	6.83N	73.70W	174–18	3.4,3.3b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=12.5km s-min=11.3km az=2.1.								
NEIC	Event type se. Error ellipse: s-maj=54.3km s-min=14.0km az=127.0.								
IDC	Error ellipse: s-maj=132.5km s-min=26.7km az=101.0.								
ISC	**IX**	**07 07 10 12.3–.68**	**7.04N–.07**	**73.09W–.09**	**144–9**	**3.7b**	**21**	**1-150**	
ISCJB	IX	07 07 10 11.2–.68	7.03N–.07	73.10W–.09	153–8	3.7b			¶11909698
IDC	IX	07 07 10 12.9–3.2	6.76N	73.12W	171–22	3.5,3.5			
FUNV	IX	07 07 10 15.5	7.07N	72.94W	158	3.7W,3.5			
ISCJB	Error ellipse: s-maj=17.5km s-min=7.4km az=34.7.								
IDC	Error ellipse: s-maj=86.2km s-min=25.1km az=101.0.								
ISC	**IX**	**14 12 47 01.3–1.0**	**6.87N–.07**	**73.04W–.09**	**168–11**		**17**	**1-150**	
ISCJB	IX	14 12 47 00.5–1.0	6.88N–.07	73.04W–.09	171–11				¶11910260
FUNV	IX	14 12 47 01.9	6.81N	73.09W	173	3.4W			
IDC	IX	14 12 47 06.0–6.9	6.26N	75.98W	140–146	3.3,3.0			
ISCJB	Error ellipse: s-maj=17.2km s-min=8.0km az=33.8.								
IDC	Error ellipse: s-maj=787.4km s-min=87.1km az=47.0.								
ISC	**IX**	**19 11 04 34.3–.84**	**6.87N–.07**	**72.91W–.09**	**157–10**		**27**	**1-151**	
IDC	IX	19 11 04 31.8–7.1	7.30N	73.57W	149–102	4.2,3.9			¶11910619
ISCJB	IX	19 11 04 33.5–.80	6.87N–.07	72.91W–.09	159–10	4.2,3.9			
FUNV	IX	19 11 04 37.8	7.04N	72.87W	155	4.0W,3.9			
IDC	Error ellipse: s-maj=925.9km s-min=78.7km az=110.0.								
ISCJB	Error ellipse: s-maj=16.4km s-min=7.9km az=37.6.								
ISC	**IX**	**19 17 29 03.0–.83**	**7.09N–.06**	**73.10W–.07**	**164–9**		**27**	**1-150**	
ISCJB	IX	19 17 29 02.2–.81	7.09N–.06	73.09W–.07	167–9				¶11910637
FUNV	IX	19 17 29 02.8	6.98N	73.23W	162	3.7W			
IDC	IX	19 17 29 04.0–6.2	6.88N	73.11W	166–68	3.5,3.2			
ISCJB	Error ellipse: s-maj=13.9km s-min=7.1km az=35.0.								
IDC	Error ellipse: s-maj=572.8km s-min=64.2km az=127.0.								
ISC	**IX**	**20 05 41 01.0–.82**	**6.9N–.10**	**73.1W–.10**	**152–11**		**20**	**1-150**	
ISCJB	IX	20 05 41 00.3–.87	7.0N–.10	73.1W–.10	158–11				¶11910688
FUNV	IX	20 05 41 04.5	7.18N	73.05W	163	3.6W			
IDC	IX	20 05 41 05.0–5.7	6.47N	73.53W	193–33	3.3,2.8b			
ISCJB	Error ellipse: s-maj=24.5km s-min=10.7km az=43.1.								
IDC	Error ellipse: s-maj=111.2km s-min=31.4km az=70.0.								
FUNV	**IX**	**20 21 25 45.3**	**6.79N**	**73.16W**	**170**	**3.5W**			
									¶13860474
FUNV	**IX**	**21 00 30 39.8**	**6.77N**	**73.15W**	**160**	**3.5W**			
									¶13860527
ISC	**IX**	**25 16 43 45.3–.36**	**6.81N–.04**	**73.00W–.04**	**159–5**	**4.0b**	**63**	**1-154**	
ISCJB	IX	25 16 43 44.4–.37	6.83N–.04	73.02W–.04	166–4	4.0b			¶11911023
IDC	IX	25 16 43 44.5–2.0	6.84N	73.01W	148–16	3.9,3.7			
NEIC	IX	25 16 43 45.3–.72	6.74N	73.08W	161–7	4.5b,3.7			
FUNV	IX	25 16 43 46.1	6.79N	73.09W	168	4.2W,3.7			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=8.9km s-min=4.8km az=43.2.								
IDC	Error ellipse: s-maj=28.2km s-min=14.4km az=77.0.								
NEIC	Event type se. Error ellipse: s-maj=11.1km s-min=8.6km az=114.0.								
FUNV	**IX**	**25 20 44 18.7**	**6.77N**	**73.15W**	**160**	**3.6W**			
									¶13860620
ISC	**IX**	**30 07 57 36.5–.34**	**6.79N–.03**	**72.87W–.03**	**168–3**	**4.3b**	**477**	**1-151**	
BJI	IX	30 07 57 33.4	6.70N	73.00W	158	4.9b			¶11322393
FUNV	IX	30 07 57 34.1	6.67N	73.21W	167	4.4W			
IDC	IX	30 07 57 34.7–1.4	6.84N	72.90W	155–14	4.1,4.0			
ISCJB	IX	30 07 57 35.7–.36	6.78N–.03	72.83W–.03	181–3	4.3b,4.0			
NEIC	IX	30 07 57 35.4–.51	6.72N	73.03W	158–5	4.4b,4.0			
ISC	Event type se.								
IDC	Error ellipse: s-maj=18.4km s-min=11.7km az=69.0.								
ISCJB	Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=146.2.								
NEIC	Event type se. Error ellipse: s-maj=7.3km s-min=5.8km az=127.0.								
ISC	**X**	**02 03 09 55.2–.91**	**7.42N–.04**	**72.30W–.08**	**14–8**		**29**	**0-151**	
ISCJB	X	02 03 09 55.4–1.1	7.47N–.06	72.17W–.09	11–8				¶11911679
FUNV	X	02 03 09 55.5	7.44N	72.27W	1	3.2W			
IDC	X	02 03 10 05.6–2.1	5.25N	77.14W	0	3.5,3.5s			
ISCJB	Error ellipse: s-maj=15.4km s-min=8.0km az=155.3.								
IDC	Error ellipse: s-maj=63.8km s-min=18.9km az=3.0.								
FUNV	**X**	**02 07 21 57.5**	**6.12N**	**73.80W**	**111**	**3.5W**			
									¶13909462
ISC	**X**	**02 15 11 09.0–.88**	**7.45N–.03**	**72.21W–.04**	**6–6**		**48**	**0-153**	
IDC	X	02 15 11 05.4–.95	7.60N	72.01W	0	4.0,3.8b			¶11911723
NEIC	X	02 15 11 06.5–.59	7.64N	71.89W	10	4.8b,3.8b			
ISCJB	X	02 15 11 08.7–.97	7.43N–.04	72.28W–.04	25–8	4.8b,3.8b			
FUNV	X	02 15 11 09.9	7.47N	72.25W	3	3.5W,3.8b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=38.2km s-min=21.6km az=118.0.								
NEIC	Event type se. Error ellipse: s-maj=17.2km s-min=10.7km az=135.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.6km s-min=6.3km az=37.3.								
ISC	**X**	**04 14 17 38.2–.19**	**6.70N–.02**	**72.88W–.02**	**163**	**4.8b**	**723**	**0-168**	
ISCJB	X	04 14 17 36.5–.19	6.70N–.02	72.94W–.02	161	4.8b			¶13395968
FUNV	X	04 14 17 37.3	6.69N	73.17W	169	4.9W			
NEIC	X	04 14 17 37.6–.14	6.74N	72.91W	159	4.9b			
MOS	X	04 14 17 38.2–1.0	6.85N	73.03W	169	4.8b			
IDC	X	04 14 17 38.2–.51	6.75N	72.93W	163–4	4.6,4.5			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=158.3.								
NEIC	Event type fe. Error ellipse: s-maj=3.3km s-min=2.9km az=81.0. Felt in Antioquia and at Bogota, Bucaramanga, Cucuta, Ibaque and Manizales.								
MOS	Error ellipse: s-maj=9.9km s-min=5.7km az=117.7.								
IDC	Error ellipse: s-maj=11.2km s-min=8.9km az=65.0.								
IDC	**X**	**07 15 45 23.4–8.1**	**7.51N**	**72.80W**	**106–52**	**3.5,3.3b**			
									¶12066269
IDC	Error ellipse: s-maj=166.2km s-min=37.7km az=100.0.								
ISC	**X**	**09 08 32 39.5–.47**	**6.77N–.06**	**72.90W–.06**	**163–5**	**3.4b**	**50**	**1-151**	
FUNV	X	09 08 32 37.8	6.71N	73.19W	167	3.6W			¶12066409
ISCJB	X	09 08 32 38.5–.47	6.79N–.06	72.92W–.06	169–5	3.4b			
NEIC	X	09 08 32 39.6–.85	6.88N	73.14W	154–9	3.4b			
IDC	X	09 08 32 39.6–4.2	6.74N	73.02W	160–28	3.6,3.3			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=12.0km s-min=5.7km az=137.3.								
NEIC	Event type se. Error ellipse: s-maj=18.6km s-min=12.2km az=127.0.								
IDC	Error ellipse: s-maj=67.2km s-min=23.0km az=83.0.								
ISC	**X**	**09 19 38 25.5–.94**	**6.85N–.08**	**72.80W–.09**	**162–9**		**19**	**1-154**	

ISCJB	X	09 19 38 24.5–.95	6.87N–.08	72.81W–.09	169–9			¶12066458
FUNV	X	09 19 38 27.8	6.78N	72.76W	154	3.4W		
IDC	X	09 19 38 27.1–3.3	6.68N	73.65W	175–22	3.7,3.4b		
ISCJB		Error ellipse: s-maj=15.8km s-min=11.4km az=38.2.						
IDC		Error ellipse: s-maj=112.4km s-min=32.5km az=94.0.						
FUNV	**X**	**09 21 06 52.0**	**10.44N**	**73.38W**	**2**	**3.6W**		**¶13909682**
FUNV	**X**	**10 02 35 20.3**	**8.54N**	**73.39W**	**14**	**3.6W**		**¶13909726**
FUNV	**X**	**10 12 05 10.5**	**6.80N**	**73.18W**	**166**	**3.7W**		**¶13909729**
FUNV	**X**	**11 08 01 59.3**	**7.39N**	**73.28W**	**157**	**3.5W**		**¶13909764**
FUNV	**X**	**13 22 08 36.8**	**6.68N**	**73.19W**	**169**	**3.7W**		**¶13909820**
FUNV	**X**	**17 07 51 28.7**	**6.75N**	**73.14W**	**169**	**3.5W**		**¶13909934**
FUNV	**X**	**19 10 31 02.9**	**7.07N**	**73.13W**	**171**	**3.5W**		**¶13909974**
FUNV	**X**	**19 11 45 36.8**	**6.83N**	**73.22W**	**170**	**3.7W**		**¶13909975**
FUNV	**X**	**20 14 40 57.7**	**9.05N**	**73.70W**	**6**	**3.7W**		**¶13910001**
FUNV	**X**	**21 13 16 27.0**	**6.83N**	**73.10W**	**165**	**3.5W**		**¶13910034**
FUNV	**X**	**22 05 46 36.0**	**6.91N**	**73.10W**	**174**	**3.6W**		**¶13910054**
ISC	**X**	**24 08 54 34.2–.76**	**6.87N–.06**	**73.21W–.08**	**146–9**		**24**	**1-150**
IDC	X	24 08 54 25.3–2.0	5.08N	76.99W	0	4.0,3.9		¶13910118
ISCJB	X	24 08 54 33.4–.75	6.87N–.06	73.21W–.08	148–9	4.0,3.9		
FUNV	X	24 08 54 33.8	6.71N	73.35W	132	3.5W,3.9		
IDC		Error ellipse: s-maj=56.4km s-min=29.6km az=5.0.						
ISCJB		Error ellipse: s-maj=15.6km s-min=6.8km az=31.6.						
ISC	**X**	**25 03 02 41.7–.94**	**6.92N–.07**	**73.06W–.09**	**166–10**		**21**	**1-150**
ISCJB	X	25 03 02 41.0–.91	6.92N–.07	73.05W–.09	168–10			¶12071054
FUNV	X	25 03 02 41.7	6.80N	73.15W	164	3.1W		
IDC	X	25 03 02 43.6–6.5	5.99N	72.48W	180–43	3.0,2.7		
ISCJB		Error ellipse: s-maj=16.4km s-min=7.5km az=33.4.						
IDC		Error ellipse: s-maj=85.9km s-min=85.2km az=88.0.						
ISC	**X**	**25 12 34 02.2–.65**	**6.79N–.06**	**73.44W–.06**	**56–9**	**3.7b**	**42**	**2-154**
FUNV	X	25 12 33 55.6	6.61N	73.79W	6	3.8W		¶12071071
ISCJB	X	25 12 34 00.8–.70	6.79N–.05	73.42W–.06	63–10	3.7b		
NEIC	X	25 12 34 02.4–.88	6.75N	73.44W	63–9	3.9b		
IDC	X	25 12 34 03.5–3.4	6.70N	73.59W	69–29	3.7,3.5		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=11.2km s-min=7.8km az=33.9.						
NEIC		Event type se. Error ellipse: s-maj=11.7km s-min=9.6km az=86.0.						
IDC		Error ellipse: s-maj=44.4km s-min=19.9km az=75.0.						
FUNV	**X**	**26 05 36 33.1**	**6.75N**	**73.05W**	**175**	**3.5W**		**¶13910176**
ISC	**X**	**26 09 04 04.5–.34**	**6.76N–.04**	**72.91W–.04**	**163–4**	**3.8b**	**172**	**1-150**
ISCJB	X	26 09 04 03.7–.37	6.78N–.04	72.90W–.04	172–4	3.8b		¶12071143
FUNV	X	26 09 04 03.9	6.77N	73.14W	168	4.0W		
IDC	X	26 09 04 03.8–1.4	6.70N	72.93W	162–14	3.7,3.6		
NEIC	X	26 09 04 04.5–.72	6.70N	72.88W	171–7	4.2b,3.6		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=138.1.						
IDC		Error ellipse: s-maj=18.4km s-min=13.1km az=58.0.						
NEIC		Event type se. Error ellipse: s-maj=10.8km s-min=9.1km az=114.0.						
FUNV	**X**	**29 01 32 09.4**	**6.75N**	**73.24W**	**180**	**3.6W**		**¶13910239**
ISC	**X**	**29 01 41 39.4–.60**	**6.85N–.06**	**73.00W–.07**	**166–6**	**3.4b**	**24**	**1-150**
ISCJB	X	29 01 41 38.4–.60	6.86N–.06	73.02W–.07	171–6	3.4b		¶12071410
FUNV	X	29 01 41 39.1	6.75N	73.11W	169	3.6W		
IDC	X	29 01 41 39.4–4.3	6.75N	73.03W	169–33	3.6,3.3		
ISCJB		Error ellipse: s-maj=13.9km s-min=7.4km az=39.0.						
IDC		Error ellipse: s-maj=80.1km s-min=34.5km az=90.0.						
ISC	**X**	**31 06 15 03.1–.48**	**6.80N–.05**	**73.01W–.05**	**154–5**	**3.5b**	**48**	**1-150**
ISCJB	X	31 06 15 02.0–.48	6.84N–.05	73.06W–.05	158–5	3.5b		¶12071712
IDC	X	31 06 15 02.9–3.3	6.70N	73.05W	156–26	3.5,3.3		
NEIC	X	31 06 15 03.2–.85	6.72N	73.11W	159–8	3.8b,3.3		
FUNV	X	31 06 15 03.6	6.81N	73.11W	164	4.2W,3.3		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=10.4km s-min=6.3km az=42.0.						
IDC		Error ellipse: s-maj=51.7km s-min=17.5km az=76.0.						
NEIC		Event type se. Error ellipse: s-maj=15.4km s-min=12.0km az=91.0.						
ISC	**X**	**31 11 36 53.1–.69**	**6.83N–.07**	**72.98W–.06**	**164–8**		**26**	**1-150**
ISCJB	X	31 11 36 52.6–.74	6.87N–.07	72.96W–.06	171–9			¶12071727
FUNV	X	31 11 36 52.8	6.73N	73.10W	166	4.0W		
IDC	X	31 11 36 58.4–4.8	6.36N	73.58W	192–29	3.5,3.2		
ISCJB		Error ellipse: s-maj=12.1km s-min=9.9km az=152.7.						
IDC		Error ellipse: s-maj=90.7km s-min=26.8km az=62.0.						
FUNV	**XI**	**04 09 55 37.8**	**6.82N**	**73.09W**	**167**	**3.5W**		**¶14011220**
ISC	**XI**	**04 13 37 53.2–.98**	**6.92N–.07**	**73.09W–.10**	**173–10**		**18**	**1-150**
IDC	XI	04 13 37 41.0–15	6.95N	76.90W	0	3.7,3.4		¶12072249
ISCJB	XI	04 13 37 52.5–.96	6.92N–.07	73.08W–.09	175–10	3.7,3.4		
FUNV	XI	04 13 37 53.4	6.81N	73.17W	173	3.0W,3.4		
IDC		Error ellipse: s-maj=860.5km s-min=42.8km az=28.0.						
ISCJB		Error ellipse: s-maj=17.9km s-min=7.8km az=34.1.						
FUNV	**XI**	**07 05 25 47.2**	**6.10N**	**72.33W**	**17**	**3.6W**		**¶14011331**
FUNV	**XI**	**07 10 54 41.1**	**7.14N**	**73.43W**	**125**	**3.5W**		**¶14011334**
FUNV	**XI**	**08 09 02 27.0**	**6.75N**	**73.16W**	**161**	**3.6W**		**¶14011372**
FUNV	**XI**	**09 02 18 47.9**	**6.73N**	**73.18W**	**170**	**3.5W**		**¶14011395**
ISC	**XI**	**09 11 52 36.5–.74**	**6.93N–.06**	**73.00W–.07**	**164–8**	**3.1b**	**29**	**1-150**
ISCJB	XI	09 11 52 35.7–.73	6.94N–.06	73.01W–.07	168–8	3.1b		¶14011398
FUNV	XI	09 11 52 35.6	6.75N	73.17W	159	4.1W		
IDC	XI	09 11 52 39.7–6.1	4.75N	76.59W	95–67	3.2,3.1		
ISCJB		Error ellipse: s-maj=12.6km s-min=9.3km az=32.6.						
IDC		Error ellipse: s-maj=69.9km s-min=28.2km az=58.0.						
ISC	**XI**	**10 07 12 35.7–.39**	**6.79N–.04**	**72.92W–.04**	**163–4**	**4.2b**	**86**	**1-151**
IDC	XI	10 07 12 34.1–1.5	6.78N	72.92W	155–15	3.9,3.7b		¶12073044
ISCJB	XI	10 07 12 35.0–.45	6.80N–.04	72.88W–.05	175–4	4.2b,3.7b		
FUNV	XI	10 07 12 35.0	6.74N	73.11W	175	4.2W,3.7b		
NEIC	XI	10 07 12 35.7–.51	6.70N	72.89W	171–5	4.4b,3.7b		
ISC		Event type se.						
IDC		Error ellipse: s-maj=21.3km s-min=13.6km az=79.0.						
ISCJB		Event type se. Error ellipse: s-maj=8.0km s-min=6.2km az=33.0.						
NEIC		Event type se. Error ellipse: s-maj=9.0km s-min=5.8km az=111.0.						
ISC	**XI**	**12 15 01 44.6–.83**	**6.90N–.07**	**73.02W–.08**	**168–9**		**27**	**1-150**
ISCJB	XI	12 15 01 43.8–.82	6.90N–.07	73.01W–.08	171–9			¶14011507
FUNV	XI	12 15 01 44.9	6.80N	73.10W	170	3.5W		
IDC	XI	12 15 01 46.8–7.2	5.56N	76.65W	105–70	3.8,3.5		
ISCJB		Error ellipse: s-maj=16.0km s-min=7.1km az=35.8.						
IDC		Error ellipse: s-maj=119.4km s-min=70.9km az=21.0.						
FUNV	**XI**	**15 17 24 38.6**	**6.75N**	**73.33W**	**144**	**3.6W**		**¶14011611**
ISC	**XI**	**16 12 39 53.0–1.1**	**6.84N–.08**	**73.0W–.10**	**166–12**		**14**	**1-52**
ISCJB	XI	16 12 39 52.2–1.0	6.84N–.08	73.0W–.10	169–12			¶12073747
FUNV	XI	16 12 39 54.1	6.75N	73.02W	166	3.0W		
IDC	XI	16 12 39 57.7–10	6.12N	72.67W	0	3.9,3.5b		
ISCJB		Error ellipse: s-maj=20.0km s-min=8.3km az=33.0.						
IDC		Error ellipse: s-maj=203.5km s-min=30.1km az=116.0.						
ISC	**XI**	**17 17 12 21.7–.42**	**6.74N–.05**	**72.88W–.05**	**160–4**	**3.9b**	**57**	**1-154**
ISCJB	XI	17 17 12 20.6–.42	6.74N–.05	72.89W–.05	167–4	3.9b		¶12073881
IDC	XI	17 17 12 21.4–.57	6.72N	72.96W	155–5	3.9,3.8		
NEIC	XI	17 17 12 22.1–.55	6.73N	72.93W	162–5	4.2b,3.8		
FUNV	XI	17 17 12 22.0	6.81N	73.11W	166	4.3W,3.8		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=9.4km s-min=5.7km az=135.4.						
IDC		Error ellipse: s-maj=14.4km s-min=10.8km az=111.0.						
NEIC		Event type se. Error ellipse: s-maj=8.7km s-min=7.2km az=66.0.						
IDC	**XI**	**19 16 15 09.0–10**	**7.06N**	**76.97W**	**0**	**3.6,3.3**		**¶12074159**
IDC		Error ellipse: s-maj=580.9km s-min=33.5km az=31.0.						
ISC	**XI**	**21 13 34 28.5–1.2**	**6.83N–.09**	**73.00W–.08**	**126–27**		**19**	**2-150**
ISCJB	XI	21 13 34 27.5–.95	6.83N–.09	72.99W–.08	129–22			¶12074397
FUNV	XI	21 13 34 30.9	6.97N	73.03W	141	4.1W		
IDC	XI	21 13 34 34.5–6.1	5.10N	72.85W	200–38	4.1W		
ISCJB		Error ellipse: s-maj=17.1km s-min=8.6km az=142.2.						
IDC		Error ellipse: s-maj=149.2km s-min=109.8km az=160.0.						
ISC	**XI**	**28 04 32 32.9–.39**	**6.76N–.04**	**72.88W–.04**	**169–4**	**3.6b**	**70**	**1-151**
FUNV	XI	28 04 32 30.9	6.66N	73.21W	170	3.8W		¶12075110
ISCJB	XI	28 04 32 32.0–.40	6.78N–.05	72.90W–.04	175–4	3.6b		
IDC	XI	28 04 32 31.9–1.6	6.77N	72.87W	159–17	3.7,3.5		
NEIC	XI	28 04 32 32.8–.48	6.72N	72.90W	171–5	3.7b,3.5		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=9.0km s-min=5.0km az=136.6.						
IDC		Error ellipse: s-maj=21.6km s-min=18.7km az=77.0.						
NEIC		Event type se. Error ellipse: s-maj=7.1km s-min=5.3km az=87.0.						
ISC	**XI**	**29 21 44 00.5–.35**	**6.74N–.04**	**72.94W–.05**	**165–4**	**3.8b**	**79**	**1-154**
ISCJB	XI	29 21 43 59.6–.35	6.75N–.04	72.95W–.05	172–4	3.8b		¶12075281
IDC	XI	29 21 43 59.7–1.3	6.66N	72.90W	161–13	3.8,3.7		
FUNV	XI	29 21 43 59.4	6.68N	73.23W	162	4.2W,3.7		
NEIC	XI	29 21 44 00.7–.58	6.65N	72.93W	171–6	4.3b,3.7		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=9.3km s-min=4.5km az=41.2.						
IDC		Error ellipse: s-maj=17.0km s-min=12.7km az=77.0.						
NEIC		Event type se. Error ellipse: s-maj=9.5km s-min=6.2km az=105.0.						
ISC	**XII**	**01 07 34 14.8–.40**	**6.84N–.05**	**73.00W–.06**	**156–5**	**3.5b**	**45**	**1-150**
ISCJB	XII	01 07 34 13.8–.40	6.85N–.05	73.00W–.06	162–5	3.5b		¶12075396
FUNV	XII	01 07 34 15.4	6.89N	73.09W	170	3.8W		
IDC	XII	01 07 34 15.7–2.2	6.69N	73.15W	172–22	3.6,3.5		
NEIC	XII	01 07 34 15.4–.70	6.81N	73.03W	164–8	3.6b,3.5		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=11.5km s-min=5.4km az=42.1.						
IDC		Error ellipse: s-maj=37.4km s-min=26.9km az=81.0.						
NEIC		Event type se. Error ellipse: s-maj=15.3km s-min=9.6km az=119.0.						
ISC	**XII**	**04 11 57 06.9–.54**	**6.77N–.08**	**72.91W–.07**	**168–7**	**3.6b**	**40**	**2-150**
ISCJB	XII	04 11 57 05.9–.53	6.79N–.07	72.94W–.07	173–6	3.6b		¶12075740
FUNV	XII	04 11 57 06.6	6.78N	73.11W	177	4.0W		
IDC	XII	04 11 57 06.5–1.3	6.74N	72.93W	165–7	3.7s,3.7		
NEIC	XII	04 11 57 07.0–.83	6.73N	72.93W	171–8	3.7s,3.7		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=15.1km s-min=6.8km az=137.3.						
IDC		Error ellipse: s-maj=31.4km s-min=11.0km az=105.0.						
NEIC		Event type se. Error ellipse: s-maj=18.1km s-min=12.4km az=116.0.						
ISC	**XII**	**07 02 12 10.1–.39**	**6.78N–.04**	**72.90W–.04**	**167–4**	**4.0b**	**98**	**1-151**
ISCJB	XII	07 02 12 09.0–.39	6.77N–.04	72.91W–.04	174–4	4.0b		¶11493356
IDC	XII	07 02 12 08.2–1.5	6.75N	72.79W	157–14	4.0,3.7		
FUNV	XII	07 02 12 09.2	6.75N	73.16W	166	4.1W,3.7		
NEIC	XII	07 02 12 09.7–.47	6.71N	72.90W	170–4	4.0b,3.7		
BJI	XII	07 02 12 10.0	6.70N	73.00W	168	4.7b,3.7		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=139.0.						
IDC		Error ellipse: s-maj=21.1km s-min=16.1km az=99.0.						
NEIC		Event type se. Error ellipse: s-maj=7.1km s-min=5.3km az=101.0.						
ISC	**XII**	**10 07 32 51.5–.49**	**6.78N–.06**	**72.96W–.05**	**164–6**	**3.7b**	**44**	**2-150**
FUNV	XII	10 07 32 49.9	6.70N	73.17W	178	4.0W		¶12076688
ISCJB	XII	10 07 32 50.5–.50	6.76N–.06	72.95W–.05	173–6	3.7b		
IDC	XII	10 07 32 51.9–2.5	6.72N	73.02W	170–21	3.8,3.5b		
NEIC	XII	10 07 32 51.8–.65	6.71N	72.99W	170–5	3.8,3.5b		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=11.4km s-min=6.5km az=145.6.						
IDC		Error ellipse: s-maj=42.4km s-min=21.8km az=85.0.						
NEIC		Event type se. Error ellipse: s-maj=11.6km s-min=9.3km az=132.0.						
ISC	**XII**	**11 21 13 40.8–.69**	**7.49N–.07**	**73.83W–.08**	**89–12**	**3.5b**	**25**	**2-74**
ISCJB	XII	11 21 13 39.5–.69	7.46N–.09	73.80W–.10	112–16	3.5b		¶12077003
NEIC	XII	11 21 13 40.1–.97	7.57N	73.83W	80–14	3.5b		
FUNV	XII	11 21 13 41.3	6.79N	73.14W	165	3.2W		
IDC	XII	11 21 13 42.2–7.3	7.39N	74.15W	109–91	3.5,3.4		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=20.1km s-min=7.7km az=42.5.						
NEIC		Event type se. Error ellipse: s-maj=18.7km s-min=14.0km az=170.0.						
IDC		Error ellipse: s-maj=98.2km s-min=35.0km az=42.0.						
ISC	**XII**	**14 11 26 06.8–.76**	**6.88N–.08**	**73.05W–.09**	**158–8**		**19**	**1-150**
ISCJB	XII	14 11 26 05.8–.77	6.91N–.08	73.08W–.09	164–8			¶12077438
FUNV	XII	14 11 26 08.0	6.92N	73.10W	168	3.1W		
IDC	XII	14 11 26 11.3–5.0	6.77N	74.20W	176–28	3.2,2.9b		
ISCJB		Error ellipse: s-maj=17.7km s-min=8.4km az=39.1.						
IDC		Error ellipse: s-maj=419.0km s-min=34.3km az=91.0.						
ISC	**XII**	**15 22 46 13.9–.59**	**6.80N–.07**	**72.98W–.08**	**170–6**	**3.2b**	**31**	**1-150**
IDC	XII	15 22 46 01.8–5.9	7.16N	71.64W	86–47	3.5,3.4		¶12077678
ISCJB	XII	15 22 46 12.9–.57	6.80N–.07	72.98W–.08	176–6	3.2b,3.4		
FUNV	XII	15 22 46 14.8	6.84N	73.14W	164	3.4W,3.4		
NEIC	XII	15 22 46 14.5–.84	6.57N	72.81W	173–10	3.2b,3.4		
ISC		Event type se.						
IDC		Error ellipse: s-maj=77.4km s-min=39.1km az=99.0.						
ISCJB		Event type se. Error ellipse: s-maj=15.5km s-min=6.9km az=36.9.						
NEIC		Event type se. Error ellipse: s-maj=17.7km s-min=13.8km az=103.0.						
ISC	**XII**	**20 12 42 15.5–.58**	**6.89N–.08**	**73.06W–.08**	**156–7**	**3.4b**	**31**	**1-150**
ISCJB	XII	20 12 42 14.5–.58	6.92N–.07	73.09W–.08	161–7	3.4b		¶12078330
NEIC	XII	20 12 42 15.4–.80	6.73N	73.00W	167–10	3.4b		
IDC	XII	20 12 42 16.2–2.7	6.71N	73.19W	169–20	3.5s,3.5		
FUNV	XII	20 12 42 16.0	6.92N	73.13W	168	3.6W,3.5		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=16.7km s-min=7.1km az=41.7.						
NEIC		Event type se. Error ellipse: s-maj=28.2km s-min=12.4km az=127.0.						
IDC		Error ellipse: s-maj=52.7km s-min=22.6km az=90.0.						
FUNV	**XII**	**27 21 27 01.9**	**6.79N**	**73.14W**	**175**	**3.5W**		**¶14249222**
ISC	**XII**	**28 06 26 36.0–.51**	**6.87N–.06**	**73.05W–.04**	**159–5**	**3.8b**	**39**	**1-150**
ISCJB	XII	28 06 26 35.0–.52	6.87N–.06	73.06W–.04	165–5	3.8b		¶12079250
IDC	XII	28 06 26 36.2–2.4	6.75N	73.08W	161–19	3.8,3.6b		
NEIC	XII	28 06 26 36.4–.78	6.82N	73.07W	163–8	3.7b,3.6b		
FUNV	XII	28 06 26 36.0	6.79N	73.13W	169	3.8W,3.6b		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=10.0km s-min=6.1km az=151.7.						
IDC		Error ellipse: s-maj=42.5km s-min=20.2km az=90.0.						
NEIC		Event type se. Error ellipse: s-maj=15.5km s-min=11.8km az=139.0.						
ISC	**XII**	**31 14 48 52.7–.63**	**6.87N–.07**	**73.02W–.09**	**161–8**	**3.7b**	**23**	**2-154**
FUNV	XII	31 14 48 50.2	6.57N	73.29W	119	3.6W		¶12079663
ISCJB	XII	31 14 48 51.7–.64	6.87N–.07	73.03W–.09	169–8	3.7b		
NEIC	XII	31 14 48 52.8–.80	6.74N	72.96W	168–8	3.7b		
IDC	XII	31 14 48 54.4–2.9	6.76N	73.27W	177–21	3.6,3.5		
ISC		Event type se.						
ISCJB		Event type se. Error ellipse: s-maj=17.0km s-min=7.0km az=35.5.						
NEIC		Event type se. Error ellipse: s-maj=20.5km s-min=12.2km az=114.0.						
IDC		Error ellipse: s-maj=93.1km s-min=27.0km az=102.0.						

(101) Venezuela.

FUNV	**VII**	**05 01 55 38.3**	**8.52N**	**71.36W**	**1**	**3.5W**		**¶13587659**
FUNV	**VIII**	**10 17 36 31.3**	**9.51N**	**69.95W**	**1**	**3.7W**		**¶13827150**
ISC	**VIII**	**17 23 58 33.7–.42**	**10.26N–.02**	**69.68W–.02**	**7–3**	**4.0b,3.4s**	**129**	**0-155**
ISCJB	VIII	17 23 58 32.9–.56	10.29N–.02	69.67W–.02	13–3	4.0b,3.4s		¶13827474
NEIC	VIII	17 23 58 33.6	10.24N	69.68W	5	4.6W,4.4b		

IDC VIII 17 23 58 33.3–.62 10.50N 69.79W 0 4.1,4.1L
FUNV VIII 17 23 58 33.8 10.25N 69.69W 2 4.6W,4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=3.0km az=139.1.
NEIC Event type fe. Felt at Barquisimeto. After CAR.
IDC Error ellipse: s-maj=17.2km s-min=15.4km az=36.0.
FUNV X 13 18 38 49.3 8.64N 62.32W 25 3.5W
¶13909817
FUNV XI 03 07 15 14.7 9.38N 70.36W 4 3.7W
¶14011182
FUNV XI 20 12 42 54.5 9.66N 70.68W 13 3.6W
¶14011779
FUNV XII 31 17 15 22.7 10.05N 69.99W 5 3.6W
¶14249261

(731) North of Honduras.

ISC VII 12 16 51 35.0–.82 19.9N–.20 81.1W–.10 35 22 3-19
ISCJB VII 12 16 51 32.9–.82 19.9N–.20 81.12W–.10 33 **¶11342167**
NEIC VII 12 16 51 32.5–.80 20.00N 81.11W 10 4.0b
JSN VII 12 16 51 34.9–.84 18.77N 81.56W 48–999 4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=7.4km az=26.4.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=8.9km az=208.0.
JSN Error ellipse: s-maj=448.8km s-min=999.9km az=-1.0.
ISC VIII 05 08 46 34.4–.46 18.27N–.07 81.68W–.03 10 3.8b,3.3s 27 4-146
ISCJB VIII 05 08 46 32.4–.47 18.22N–.07 81.67W–.03 10 3.8b,3.3s **¶11907784**
IDC VIII 05 08 46 32.3–1.6 18.22N 81.62W 0 4.0,3.8b
NEIC VIII 05 08 46 34.2–.53 18.26N 81.71W 10 3.8b,3.8b
JSN VIII 05 08 46 34.1–1.1 17.66N 81.83W 15–999 4.6,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=4.4km az=9.5.
IDC Error ellipse: s-maj=41.1km s-min=27.1km az=115.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.4km az=171.0.
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VIII 12 08 25 37.4–3.6 17.22N–.06 84.69W–.06 14–24 4.1b,3.1s 57 4-143
IDC VIII 12 08 25 34.4–.91 17.03N 84.56W 0 4.1,4.0 **¶11908107**
ISCJB VIII 12 08 25 37.4–2.2 17.23N–.06 84.70W–.07 26–17 4.1b,3.1s
NEIC VIII 12 08 25 38.3–.67 17.21N 84.43W 10 4.1b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=17.6km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=9.4km az=42.2.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.7km az=50.0.
ISC VIII 20 08 35 58.5–.71 16.70N–.04 85.9W–.10 35 3.5b,3.3s 23 3-142
IDC VIII 20 08 35 51.3–3.2 16.48N 85.77W 0 3.8,3.7 **¶11908480**
NEIC VIII 20 08 35 55.9–.95 16.38N 85.89W 35 3.2b,3.7
ISCJB VIII 20 08 35 56.3–.71 16.70N–.04 86.0W–.10 33 3.5b,3.3s
CASC VIII 20 08 35 59.8–2.1 16.37N 86.08W 0–123 3.7L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=80.3km s-min=32.5km az=7.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=12.4km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=4.6km az=168.7.
CASC Error ellipse: s-maj=255.5km s-min=39.6km az=-1.0.
CASC IX 24 23 05 03.6–2.8 16.36N 87.68W 36–999 4.6L,4.1
¶13944582
CASC Error ellipse: s-maj=16.2km s-min=24.0km az=-1.0.
ISC IX 28 09 23 10.1–.18 16.70N–.02 86.11W–.02 10 4.6b,3.9s 511 3-142
CASC IX 28 09 23 05.7–1.8 17.05N 86.05W 10–0 5.1,4.7b **¶11313812**
ISCJB IX 28 09 23 08.2–.19 16.71N–.02 86.09W–.02 10 4.6b,3.9s
NEIC IX 28 09 23 09.5–.26 16.66N 86.15W 10 4.7b,3.9s
IDC IX 28 09 23 12.6–1.1 16.64N 86.10W 35–4 5.0L,4.4
GCMT IX 28 09 23 15.1–.20 16.86N 86.23W 29–1 5.0W,4.4
JSN IX 28 09 24 56.8–.35 17.25N 77.74W 0–999 5.0W,4.4
ISC Event type fe.
CASC Error ellipse: s-maj=12.1km s-min=11.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=3.0km az=170.3.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=4.1km az=192.0. Felt at Guanaja and Roatan.
IDC Error ellipse: s-maj=27.4km s-min=14.7km az=19.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s25,c29; s61,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.29±.15 $M_{\theta\theta}$-1.99±.12; $M_{\phi\phi}$2.28±.14; $M_{r\theta}$0.01±.16; $M_{\theta\phi}$2.55±.08; $M_{\phi r}$1.13±.19; Best double couple: NP1:ϕ_s71.00000°,δ73.00000°,λ4.00000°. NP2:ϕ_s340.00000°,δ87.00000°,λ163.00000°. Principal axes: T 3.7400,Plg14.0000° ,Azm294.0000°; N -0.4800,Plg73.0000°,Azm149.0000°; P -3.2600,Plg9.0000°,Azm26.0000° M_o3.50000×10^{16}
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IX 28 15 33 22.6–.30 16.71N–.03 86.02W–.03 10 4.4b,4.1s 169 3-145
IDC IX 28 15 33 19.6–1.7 16.59N 85.98W 0 4.6L,4.5 **¶11313821**
ISCJB IX 28 15 33 20.8–.31 16.71N–.03 86.02W–.04 10 4.4b,4.1s
CASC IX 28 15 33 21.9–2.0 16.75N 86.07W 10–0 4.6,4.5b
NEIC IX 28 15 33 21.7–.42 16.67N 86.13W 10 4.5b,4.5b
BJI IX 28 15 33 22.6 16.70N 86.10W 10 5.2b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=36.4km s-min=25.3km az=165.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.3km az=27.6.
CASC Error ellipse: s-maj=10.4km s-min=8.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=6.2km az=124.0. Felt at Jose Santos Guardiola, Roatan and Sandy Bay.
ISC X 14 20 50 59.0–1.1 16.91N–.07 85.5W–.10 10 4.1b 24 3-73
ISCJB X 14 20 50 57.9–1.0 17.01N–.06 85.6W–.10 10 4.1b **¶12068638**
NEIC X 14 20 50 58.9–1.1 16.93N 85.48W 10 4.2b
IDC X 14 20 50 58.2–3.1 17.09N 85.43W 0 4.2L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=8.4km az=0.6.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=13.6km az=100.0.
IDC Error ellipse: s-maj=81.3km s-min=30.1km az=9.0.
ISC XII 21 18 01 03.6–.81 17.08N–.07 84.21W–.09 35 3.3b 14 4-144
IDC XII 21 18 00 59.1–3.9 16.98N 84.30W 0 5.2L,3.6 **¶11521208**
NEIC XII 21 18 01 00.3–.75 17.05N 84.21W 10 4.2b,3.6
ISCJB XII 21 18 01 01.5–.81 17.08N–.07 84.22W–.09 33 3.3b,3.6
SSNC XII 21 18 01 16.3–.30 18.01N 84.03W 10–0 5.0L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=104.8km s-min=58.9km az=28.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=11.9km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.8km az=27.7.
SSNC Error ellipse: s-maj=5.2km s-min=14.4km az=-1.0.
JSN XII 30 03 04 21.8–1.0 17.71N 79.00W 30–777 3.5
¶14543937
JSN Error ellipse: s-maj=107.9km s-min=499.2km az=-1.0.

SEISMIC REGION 8.
Andean South America.

(102) Near west coast of Colombia.

IDC VII 31 12 05 36.8–1.5 6.45N 77.38W 0 3.7,3.5
¶12698517
IDC Error ellipse: s-maj=92.7km s-min=24.8km az=36.0.
IDC X 20 16 45 37.3–1.6 4.87N 77.97W 0 3.6,3.4
¶12069140
IDC Error ellipse: s-maj=69.0km s-min=41.0km az=8.0.
IDC XI 29 23 11 38.0–1.4 5.17N 77.43W 0 3.8,3.5b
¶12075289
IDC Error ellipse: s-maj=58.0km s-min=26.4km az=18.0.

(103) Colombia.

ISC VII 08 14 06 38.7–.95 4.55N–.10 74.1W–.10 35 3.7b 6 0-148
IDC VII 08 14 06 32.2–1.3 4.76N 73.46W 0 4.0,3.8 **¶11810993**
ISCJB VII 08 14 06 36.6–.97 4.49N–.10 74.0W–.10 33 3.6b,3.8
NEIC VII 08 14 06 38.1–2.7 4.53N 74.09W 33–21 3.6b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=12.5km az=11.0.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=13.4km az=20.5.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.8km az=107.0.
ISC VII 13 13 45 56.4–.88 4.52N–.06 74.82W–.06 47–10 3.6b 24 1-148
IDC VII 13 13 45 54.2–.70 4.41N 75.02W 30–4 4.4L,3.8 **¶11811470**
ISCJB VII 13 13 45 55.1–.98 4.53N–.06 74.87W–.08 56–11 3.6b,3.8
NEIC VII 13 13 45 55.9–.86 4.49N 74.87W 48–9 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=10.8km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=10.3km az=22.1.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.6km az=113.0.
ISC VIII 25 09 21 14.6–.57 5.70N–.04 72.53W–.05 44–8 3.5b 48 2-150
IDC VIII 25 09 21 08.2–.81 5.76N 72.49W 0 4.0,3.8 **¶11908748**
FUNV VIII 25 09 21 08.2 5.42N 72.85W 9 4.2W,3.8
ISCJB VIII 25 09 21 12.9–.67 5.72N–.04 72.53W–.05 47–9 3.5b,3.8
NEIC VIII 25 09 21 14.1–.71 5.76N 72.50W 44–10 3.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=16.2km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.2km az=34.7.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.3km az=127.0.
FUNV VIII 30 04 51 41.6 5.00N 73.73W 19 4.1W
¶13828188
ISC VIII 31 13 54 21.0–1.2 5.86N–.10 73.5W–.10 121–18 22 1-150
ISCJB VIII 31 13 54 19.9–1.0 5.85N–.10 73.5W–.10 125–15 **¶13828211**
IDC VIII 31 13 54 20.0–6.3 4.93N 75.87W 69–62
FUNV VIII 31 13 54 24.0 6.04N 73.51W 154 3.6W
ISCJB Error ellipse: s-maj=25.8km s-min=8.8km az=34.3.
IDC Error ellipse: s-maj=58.8km s-min=44.4km az=91.0.
ISC IX 02 17 21 00.7–1.6 2.92N–.03 75.91W–.03 21–11 4.9b,4.0s 419 2-158
IDC IX 02 17 20 56.7–.43 2.98N 75.93W 0 4.6,4.6 **¶11226751**
ISCJB IX 02 17 20 58.0–1.6 2.93N–.03 75.95W–.03 15–11 4.9b,4.0s
BJI IX 02 17 21 00.2 3.00N 76.00W 23 5.1b,4.1
NEIC IX 02 17 21 00.3–1.7 2.95N 75.98W 23–11 4.9b,4.1s
SZGRF IX 02 17 21 13.0 3.38N 73.55W 33 5.3b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=14.6km s-min=11.0km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.2km az=28.2.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.9km az=46.0.
SZGRF Colombia.
ISC IX 03 01 34 56.3–.66 4.15N–.06 76.41W–.06 152–10 3.5b 12 2-146
ISCJB IX 03 01 34 55.1–.69 4.14N–.06 76.39W–.07 162–10 3.5b **¶11909338**
NEIC IX 03 01 34 55.6–.81 4.16N 76.39W 146–10 3.5b
IDC IX 03 01 34 58.7–4.4 4.27N 76.16W 173–44 3.3,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=9.2km az=19.2.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.2km az=96.0.
IDC Error ellipse: s-maj=73.9km s-min=18.9km az=71.0.
ISC IX 03 02 21 38.9–.48 5.53N–.06 73.92W–.06 124–5 4.0b 35 1-149
ISCJB IX 03 02 21 37.9–.50 5.57N–.06 73.96W–.05 128–5 3.8b **¶11909341**
IDC IX 03 02 21 38.5–.60 5.50N 73.95W 121–5 3.8,3.6
NEIC IX 03 02 21 38.7–.42 5.50N 73.98W 125–4 3.9b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=7.3km az=141.1.
IDC Error ellipse: s-maj=19.6km s-min=13.1km az=83.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=6.1km az=69.0.
ISC IX 05 15 30 34.7–2.5 2.89N–.06 75.86W–.07 30–19 4.3b,3.7s 46 2-158
IDC IX 05 15 30 30.8–.64 2.93N 75.93W 0 4.4,4.2 **¶13393504**
NEIC IX 05 15 30 34.3–2.2 2.92N 75.90W 26–15 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=16.3km az=84.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.7km az=85.0.
ISC IX 13 09 32 02.1–.14 4.84N–.02 75.48W–.02 134 5.7b 1020 1-180
BJI IX 13 09 31 58.2 5.51N 75.39W 112 5.7b **¶13394259**
BGS IX 13 09 31 58.5–1.4 4.59N 75.82W 133–0 5.3b
MOS IX 13 09 31 58.3–.88 4.85N 75.56W 114 5.8b
ISCJB IX 13 09 32 00.5–.14 4.89N–.02 75.50W–.02 132 5.7b
IDC IX 13 09 32 01.7–.41 4.82N 75.59W 139–3 5.6,5.5
NEIC IX 13 09 32 01.5–.13 4.79N 75.52W 133 5.9b,5.7W
GCMT IX 13 09 32 06.1–.10 4.94N 75.48W 140–0 5.7W,5.7W
SZGRF IX 13 09 32 09.5 5.41N 74.11W 136 5.9b,5.7W
CASC IX 13 09 32 12.4–2.4 6.38N 75.71W 133–0 5.9b,5.0
ISC Event type fe.
BGS Error ellipse: s-maj=301.4km s-min=232.7km az=-1.0.
MOS Error ellipse: s-maj=5.6km s-min=4.1km az=92.7.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=13.8.
IDC Error ellipse: s-maj=10.5km s-min=8.4km az=25.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=201.0. Felt [V] at Armenia, [IV] at Pereira and [III] at Bogota, Cali, Envigado and Medellin. Also felt at Anserma, Ayapel, Barrancabermeja, Chia, Dos Quebradas, Manizales, Monteria, Palmira, Penol, Puerto Boyaca, Quibdo and Sincelejo. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. s70 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$1.22 $M_{r\theta}$-4.16 $M_{\theta\phi}$0.61 $M_{\phi r}$-1.55 Best double couple: NP1:ϕ_s178.00000°,δ13.00000°,λ-157.00000°. NP2:ϕ_s66.00000° ,δ85.00000°,λ-78.00000°. Principal axes: T 4.3100,Plg38.0000°,Azm145.0000° ; N 0.5800,Plg11.0000°,Azm245.0000°; P -4.8800,Plg48.0000°,Azm349.0000° M_o4.60000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=109, comp=239, per= 50. Moment Tensor Solution. s105,c208; s43,c46; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.35±.05 $M_{\theta\theta}$0.87±.06; $M_{\phi\phi}$1.49±.06; $M_{r\theta}$-3.94±.04; $M_{\theta\phi}$0.23±.06; $M_{\phi r}$-1.00±.05; Best double couple: NP1:ϕ_s227.00000°,δ13.00000°,λ-115.00000°. NP2:ϕ_s72.00000°,δ79.00000°,λ-85.00000°. Principal axes: T 3.7700,Plg33.0000°,Azm158.0000°; N 1.3100,Plg5.0000°,Azm251.0000° ; P -5.0700,Plg56.0000°,Azm349.0000° M_o4.40000×10^{17}
SZGRF Colombia.
CASC Error ellipse: s-maj=99.9km s-min=26.0km az=-1.0.
ISC IX 14 18 29 26.9–.50 2.92N–.06 76.08W–.06 10 3.9b,3.8s 29 3-146
ISCJB IX 14 18 29 24.8–.50 2.89N–.06 76.05W–.06 10 3.9b,3.8s **¶11910280**
IDC IX 14 18 29 24.3–.84 2.91N 76.08W 0 4.2,4.0L
NEIC IX 14 18 29 29.0–3.4 2.88N 76.00W 31–26 4.1b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.5km az=40.6.
IDC Error ellipse: s-maj=20.1km s-min=14.2km az=129.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=11.4km az=112.0.
FUNV IX 18 05 38 36.0 5.65N 73.76W 60 3.5W
¶13860452
IDC X 14 07 38 07.7–4.0 4.21N 76.01W 174–46 3.6,3.1
¶12068604
IDC Error ellipse: s-maj=78.1km s-min=32.5km az=70.0.
ISC X 15 06 35 22.6–1.5 3.8N–.10 73.9W–.10 60–11 3.8b 18 1-148
IDC X 15 06 35 19.0–4.7 3.59N 73.96W 33–29 4.0,3.7 **¶12068663**
ISCJB X 15 06 35 21.1–1.6 3.7N–.10 73.9W–.10 67–12 3.7b,3.7
NEIC X 15 06 35 22.0–1.1 3.71N 73.88W 61–8 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=28.4km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=26.8km s-min=16.1km az=39.9.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=10.3km az=125.0.
ISC X 23 21 19 57.1–.56 5.62N–.06 74.19W–.07 105–6 3.5b 24 1-149
ISCJB X 23 21 19 56.0–.58 5.62N–.06 74.20W–.08 111–7 3.5b **¶12070935**
IDC X 23 21 19 56.5–1.1 5.61N 74.14W 100–11 3.8s,3.8
NEIC X 23 21 19 57.1–.62 5.56N 74.27W 107–6 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=7.7km az=30.1.
IDC Error ellipse: s-maj=33.5km s-min=20.8km az=54.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.0km az=86.0.
ISC X 31 20 07 46.2–.82 4.00N–.04 76.24W–.03 51–7 4.5b,4.0s 357 2-157
ISCJB X 31 20 07 43.4–1.1 4.01N–.04 76.24W–.04 43–9 4.5b,4.0s **¶11380424**
NEIC X 31 20 07 45.9–.87 3.99N 76.29W 54–7 4.6b,4.0s
BJI X 31 20 07 46.9 4.00N 76.20W 59 5.0s,5.0b
IDC X 31 20 07 47.5–1.8 3.92N 76.26W 68–16 4.1,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.2km az=32.6.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=5.6km az=215.0. Felt at Cali.
IDC Error ellipse: s-maj=14.0km s-min=11.5km az=80.0.
FUNV XI 02 09 12 13.8 5.74N 73.83W 147 3.5W

¶14011146
ISC XI 09 08 01 00.2–.80 4.50N–.04 75.19W–.04 22–5 4.4b,3.9s 266 0-156
IDC XI 09 08 00 55.9–.54 4.44N 75.41W 0 5.9L,4.4 ¶13399632
NEIC XI 09 08 00 56.7–1.2 4.50N 75.31W 3–7 4.5b,4.4
BJI XI 09 08 00 58.3 4.50N 75.30W 10 5.0s,5.0b
ISCJB XI 09 08 00 59.3–.74 4.53N–.04 75.21W–.04 28–4 4.4b,3.9s
ISC Event type fe.
NEIC Event type fe. Felt at Armenia, Belalcazar, Ibague and Pereira.
ISCJB Event type fe.
IDC XI 09 08 58 56.1–1.4 5.21N 76.58W 0 3.6,3.3b
¶12072933
IDC Error ellipse: s-maj=62.7km s-min=43.6km az=85.0.
ISC XI 19 22 56 24.1–.68 3.52N–.05 76.96W–.05 75–9 3.7b 25 3-144
ISCJB XI 19 22 56 22.9–.77 3.52N–.05 76.98W–.06 80–10 3.7b ¶12074203
NEIC XI 19 22 56 23.9–.76 3.52N 76.94W 72–9 3.4b
IDC XI 19 22 56 24.6–5.5 3.51N 76.95W 81–38 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=8.2km az=38.7.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.4km az=222.0.
IDC Error ellipse: s-maj=61.1km s-min=18.3km az=13.0.
ISC XI 20 07 35 43.3–.85 5.30N–.06 72.61W–.06 61–9 3.5b 45 2-150
IDC XI 20 07 35 35.1–.92 5.43N 72.47W 0 3.9,3.8 ¶12074242
FUNV XI 20 07 35 40.5 5.07N 72.88W 34 3.8W,3.8
ISCJB XI 20 07 35 41.6–.96 5.25N–.07 72.54W–.06 70–9 3.5b,3.8
NEIC XI 20 07 35 43.6–1.1 5.33N 72.64W 64–10 3.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=14.9km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=9.4km az=144.6.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.4km az=113.0.
FUNV XI 29 02 32 07.2 5.31N 72.86W 2 3.6W
¶14011992
IDC XII 19 07 27 15.2–1.4 2.94N 74.34W 0 3.7,3.6
¶12078161
IDC Error ellipse: s-maj=44.4km s-min=19.3km az=88.0.
ISC XII 24 21 31 41.0–.67 5.23N–.06 73.57W–.09 159–8 3.5b 28 1-149
ISCJB XII 24 21 31 40.1–.70 5.26N–.06 73.59W–.10 166–8 3.5b ¶12078857
FUNV XII 24 21 31 40.2 5.01N 73.69W 147 3.8W
NEIC XII 24 21 31 41.3–.88 5.17N 73.60W 160–9 3.4b
IDC XII 24 21 31 42.2–.85 4.83N 74.21W 169–5 3.4,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=7.9km az=25.2.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=14.9km az=85.0.
IDC Error ellipse: s-maj=38.7km s-min=5.5km az=94.0.
ISC XII 25 14 01 15.3–2.9 5.83N–.08 72.34W–.09 28–25 3.4b 22 2-151
IDC XII 25 14 01 12.5–1.5 6.23N 72.27W 0 3.8,3.6 ¶14249191
ISCJB XII 25 14 01 14.5–2.0 5.78N–.10 72.2W–.10 46–19 3.4b,3.6
FUNV XII 25 14 01 15.1 5.93N 72.38W 4 3.5W,3.6
IDC Error ellipse: s-maj=92.7km s-min=24.2km az=73.0.
ISCJB Error ellipse: s-maj=20.6km s-min=13.3km az=140.0.
FUNV XII 26 02 17 30.9 5.56N 72.77W 134 3.6W
¶14249206
ISC XII 27 17 29 24.6–.75 5.75N–.07 72.42W–.07 67–16 22 2-150
FUNV XII 27 17 29 19.3 5.43N 72.87W 65 3.8W ¶14249220
ISCJB XII 27 17 29 23.0–.78 5.70N–.07 72.36W–.07 82–16 3.8W
IDC XII 27 17 29 24.1–1.2 5.75N 75.92W 0 3.6,3.3b
ISCJB Error ellipse: s-maj=15.4km s-min=7.5km az=137.9.
IDC Error ellipse: s-maj=58.3km s-min=23.7km az=36.0.

(104) Off coast of Ecuador.

ISC VII 11 22 30 18.6–1.7 1.76N–.08 84.4W–.10 57–19 3.9s,3.6b 14 6-74
IDC VII 11 22 30 11.1–1.4 1.63N 84.73W 0 4.0,3.9 ¶11811308
ISCJB VII 11 22 30 16.1–2.3 1.80N–.08 84.4W–.10 50–25 3.9s,3.6b
NEIC VII 11 22 30 18.8–2.2 1.86N 84.37W 61–24 3.7b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=18.5km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=8.3km az=150.6.
NEIC Event type se. Error ellipse: s-maj=31.8km s-min=9.6km az=57.0.
IGQ VIII 28 03 18 48.7 1.06S 81.25W 19–4 4.1b,3.9s
¶12064959
IGQ Error ellipse: s-maj=9.2km s-min=3.3km az=8.7.
IGQ IX 03 11 16 11.4 1.54S 81.34W 10–7 4.2b,4.0s
¶12065087
IGQ Error ellipse: s-maj=10.5km s-min=6.5km az=5.8.
IGQ X 05 05 04 04.2 1.30S 81.01W 12–5 4.2b,4.0s
¶12065969
IGQ Error ellipse: s-maj=10.0km s-min=3.7km az=2.8.
IGQ XI 15 23 43 28.3 0.68N 82.23W 12–30 4.4b,4.2s
¶12073685
IGQ Error ellipse: s-maj=33.0km s-min=6.9km az=24.1.
IGQ XII 14 06 42 45.9 1.27S 81.16W 12–4 4.4b,4.2s
¶12077406
IGQ Error ellipse: s-maj=7.1km s-min=5.9km az=148.6.
ISC XII 14 14 40 36.3–5.4 1.90N–.09 84.6W–.10 19–35 4.1s,3.8b 25 6-138
IDC XII 14 14 40 33.4–.94 1.93N 84.55W 0 4.1,4.0 ¶11653469
NEIC XII 14 14 40 34.8–.52 1.89N 84.61W 10 4.1b,4.0
ISCJB XII 14 14 40 36.1–.71 1.90N–.09 84.6W–.10 33 4.1s,3.8b
GCMT XII 14 14 40 39.2–.40 1.87N 84.61W 20–1 4.9W,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=16.7km az=61.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=8.0km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=8.9km az=143.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s26,c31; s68,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.48±.16 $M_{\theta\theta}$1.02±.11; $M_{\phi\phi}$-0.54±.14; $M_{r\theta}$-0.82±.22; $M_{\theta\phi}$2.65±.10; $M_{\phi r}$0.19±.25; Best double couple: NP1:ϕ_s189.00000°,δ72.00000°,λ-174.00000°. NP2:ϕ_s97.00000°,δ85.00000°,λ-18.00000°. Principal axes: T 3.0900,Plg9.0000° ,Azm144.0000°; N -0.3800,Plg71.0000°,Azm261.0000°; P -2.7100,Plg16.0000° ,Azm52.0000° M_ϕ2.90000×10^{16}

(105) Near coast of Ecuador.

IGQ VII 02 18 52 22.4 2.24S 79.80W 13–2 4.3b,4.1s
¶12063977
IGQ Error ellipse: s-maj=5.0km s-min=1.4km az=105.9.
IGQ VII 06 00 22 33.9 1.03N 79.52W 5–2 4.0b,3.8s
¶12064030
IGQ Error ellipse: s-maj=2.4km s-min=1.4km az=85.4.
ISC VII 18 05 41 55.9–.42 1.97S–.03 80.27W–.03 74–4 4.8b 583 1-164
IGQ VII 18 05 41 50.1 2.05S 80.59W 74–15 5.1b,5.0s ¶11133625
SZGRF VII 18 05 41 50.8 2.63S 79.69W 42 4.9b,4.4s
GCMT VII 18 05 41 53.7–.30 1.98S 80.36W 48–1 5.0W,4.4s
ISCJB VII 18 05 41 54.5–.45 1.96S–.03 80.32W–.03 79–4 4.8b,4.4s
IDC VII 18 05 41 55.3–1.7 1.89S 80.28W 74–16 4.5,4.4
NEIC VII 18 05 41 55.5–.64 1.98S 80.28W 76–5 5.1,4.9b
ISC Event type fe.
IGQ Error ellipse: s-maj=5.0km s-min=2.5km az=126.0.
SZGRF Near coast of Ecuador.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s51,c61; s61,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}4.27±.15 $M_{\theta\theta}$-1.56±.11; $M_{\phi\phi}$-2.71±.13; $M_{r\theta}$-1.47±.08; $M_{\theta\phi}$2.04±.08; $M_{\phi r}$1.38±.10; Best double couple: NP1:ϕ_s147.00000°,δ33.00000°,λ97.00000°. NP2:ϕ_s319.00000°,δ58.00000°,λ86.00000°. Principal axes: T 4.7300,Plg77.0000° ,Azm215.0000°; N -0.0400,Plg4.0000°,Azm321.0000°; P -4.7000,Plg13.0000°,Azm52.0000° M_ϕ4.70000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.2km az=135.6.
IDC Error ellipse: s-maj=18.1km s-min=9.4km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.8km az=51.0. Felt at Ambato, Bahia de Caraquez and Guayaquil.
ISC VII 20 10 20 26.6–.71 2.29S–.04 80.14W–.06 53–8 4.0b 68 1-138
IGQ VII 20 10 20 24.3 2.15S 80.00W 10–2 4.6b,4.4s ¶11812164
ISCJB VII 20 10 20 25.5–.75 2.29S–.05 80.17W–.05 60–8 4.0b,4.4s
NEIC VII 20 10 20 26.8–1.3 2.26S 80.10W 57–15 4.3,4.1b
IDC VII 20 10 20 27.4–3.7 2.26S 80.08W 67–41 4.0L,3.8
ISC Event type fe.
IGQ Error ellipse: s-maj=5.9km s-min=1.3km az=107.6.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=7.4km az=150.5.
NEIC Event type fe. Error ellipse: s-maj=15.9km s-min=8.2km az=72.0. Felt at Guayaquil.
IDC Error ellipse: s-maj=39.4km s-min=23.7km az=49.0.
IGQ VII 25 07 44 49.1 2.05S 79.82W 26–3 4.0b,3.8s
¶12064352
IGQ Error ellipse: s-maj=3.0km s-min=1.4km az=114.5.
IGQ VII 27 04 56 26.4 2.49S 80.68W 12–16 4.2b,4.0s
¶12064377
IGQ Error ellipse: s-maj=14.8km s-min=3.3km az=133.7.
IGQ VIII 03 00 51 44.2 0.53N 80.13W 17–3 4.2b,4.0s
¶12064479
IGQ Error ellipse: s-maj=7.3km s-min=1.6km az=54.8.
IGQ VIII 16 22 39 02.9 2.49S 80.12W 12–6 4.4b,4.2s
¶12064683
IGQ Error ellipse: s-maj=7.8km s-min=1.8km az=124.3.
IGQ VIII 22 22 58 04.9 0.25S 80.44W 37–1 4.2b,4.0s
¶12064798
IGQ Error ellipse: s-maj=4.7km s-min=1.3km az=39.8.
IGQ VIII 27 04 02 47.8 0.79S 80.72W 44–4 4.1b,3.9s
¶12064931
IGQ Error ellipse: s-maj=9.3km s-min=2.1km az=11.2.
IGQ VIII 29 06 05 38.4 2.34S 79.21W 5–2 4.3b,4.1s
¶12064984
IGQ Error ellipse: s-maj=2.5km s-min=1.6km az=129.4.
IGQ VIII 30 19 57 56.5 2.05S 81.38W 10–8 4.6b,4.4s
¶12065022
IGQ Error ellipse: s-maj=7.4km s-min=3.1km az=12.5.
IGQ IX 02 04 24 35.1 0.61N 79.98W 8–2 4.0b,3.8s
¶12065057
IGQ Error ellipse: s-maj=7.2km s-min=1.5km az=54.2.
IGQ IX 02 15 23 48.2 1.80S 80.19W 7–2 4.3b,4.1s
¶12065065
IGQ Error ellipse: s-maj=2.8km s-min=0.8km az=126.6.
IGQ IX 06 12 26 47.0 2.22S 79.20W 80–5 4.2b,4.0s
¶12065168
IGQ Error ellipse: s-maj=4.0km s-min=2.3km az=88.0.
IGQ IX 24 03 32 20.8 0.96N 79.85W 9–3 4.0b,3.8s
¶12065530
IGQ Error ellipse: s-maj=3.5km s-min=1.8km az=57.9.
ISC IX 24 23 32 23.5–.70 3.02S–.04 79.34W–.09 71–10 3.5b 46 2-82
IDC IX 24 23 32 16.1–2.0 2.28S 78.64W 0 4.0,3.7L ¶11910973
IGQ IX 24 23 32 20.6 2.82S 79.40W 6–3 4.4b,4.2s
NEIC IX 24 23 32 20.0 3.03S 79.05W 14 4.4,4.2s
ISCJB IX 24 23 32 21.9–.78 3.06S–.05 79.38W–.09 75–11 3.5b,4.2s
ISC Event type se.
NEIC Event type se. After IGQ.
ISCJB Event type se.
IGQ IX 25 06 13 27.3 1.79N 79.43W 12–10 4.0b,3.8s
¶12065557
IGQ Error ellipse: s-maj=10.6km s-min=5.4km az=13.5.
IGQ IX 26 06 32 10.1 2.15S 79.79W 20–2 4.0b,3.8s
¶12065587
IGQ Error ellipse: s-maj=3.5km s-min=1.4km az=87.7.
IGQ X 03 01 45 06.8 2.62S 79.15W 45–3 4.0b,3.8s
¶12065751
IGQ Error ellipse: s-maj=11.5km s-min=4.3km az=36.2.
IGQ X 08 15 33 57.6 2.01S 79.97W 20–2 4.2b,4.0s
¶12066341
IGQ Error ellipse: s-maj=2.9km s-min=1.0km az=119.9.
IGQ X 17 00 15 33.8 2.59S 80.24W 11–5 4.1b,3.9s
¶12068847
IGQ Error ellipse: s-maj=7.1km s-min=5.5km az=172.9.
IGQ X 22 17 10 27.6 0.95S 80.50W 20–4 4.4b,4.2s
¶12070814
IGQ Error ellipse: s-maj=5.5km s-min=2.7km az=21.0.
IGQ X 23 04 59 41.2 2.35S 80.26W 12–8 4.1b,3.9s
¶12070860
IGQ Error ellipse: s-maj=9.4km s-min=3.1km az=133.8.
IGQ X 27 13 09 41.2 1.36S 80.62W 21–8 4.2b,4.0s
¶12071240
IGQ Error ellipse: s-maj=8.6km s-min=3.8km az=1.5.
IGQ X 30 11 47 05.6 2.62S 79.80W 12–6 4.3b,4.1s
¶12071617
IGQ Error ellipse: s-maj=6.0km s-min=2.2km az=86.1.
IGQ XI 14 19 48 39.2 0.07N 80.73W 12–5 4.0b,3.8s
¶12073551
IGQ Error ellipse: s-maj=6.4km s-min=2.7km az=49.9.
IGQ XI 15 06 54 15.4 0.85N 79.73W 7–3 4.2b,4.0s
¶12073600
IGQ Error ellipse: s-maj=3.7km s-min=1.7km az=70.7.
IGQ XI 18 23 39 29.8 1.63S 80.23W 14–2 4.0b,3.8s
¶12074077
IGQ Error ellipse: s-maj=3.6km s-min=1.3km az=126.5.
IGQ XI 24 20 51 45.4 1.09N 79.64W 12–6 4.2b,4.0s
¶12074721
IGQ Error ellipse: s-maj=6.4km s-min=4.3km az=47.7.
IGQ XI 24 21 11 01.1 1.20N 79.54W 12–6 4.1b,3.9s
¶12074724
IGQ Error ellipse: s-maj=8.8km s-min=4.5km az=18.8.
IGQ XI 27 21 14 32.9 1.24S 80.79W 50–4 4.0b,3.8s
¶12075077
IGQ Error ellipse: s-maj=11.6km s-min=4.1km az=166.1.
IGQ XII 02 09 44 09.9 0.50N 80.05W 11–4 4.0b,3.8s
¶12075488
IGQ Error ellipse: s-maj=6.2km s-min=2.7km az=104.9.
IGQ XII 02 10 31 01.8 0.49N 80.00W 12–5 4.1b,3.9s
¶12075492
IGQ Error ellipse: s-maj=6.8km s-min=2.8km az=112.5.
IGQ XII 02 12 41 49.6 0.98N 79.06W 30–1 4.0b,3.8s
¶12075502
IGQ Error ellipse: s-maj=2.6km s-min=2.2km az=46.5.
IGQ XII 05 16 10 18.5 2.05S 79.83W 34–2 4.0b,3.8s
¶12075898
IGQ Error ellipse: s-maj=2.9km s-min=1.9km az=113.2.
IGQ XII 07 19 11 58.3 3.22S 79.57W 12–6 4.4b,4.2s
¶12076238
IGQ Error ellipse: s-maj=10.2km s-min=2.6km az=71.1.
IGQ XII 12 16 50 46.5 0.37S 80.34W 12–8 4.0b,3.8s
¶12077147
IGQ Error ellipse: s-maj=8.7km s-min=6.0km az=5.3.
ISC XII 12 20 26 02.8–.59 3.88S–.03 79.56W–.08 96–6 4.3b 92 3-165
IGQ XII 12 20 25 57.8 3.87S 79.64W 12–16 4.7b,4.6s ¶11527652
ISCJB XII 12 20 26 01.8–.68 3.86S–.04 79.59W–.08 103–6 4.3b,4.6s
IDC XII 12 20 26 02.5–.74 3.71S 79.47W 87–6 4.0,3.9
NEIC XII 12 20 26 03.2–1.1 3.66S 79.23W 100–10 4.5b,3.9
ISC Event type se.
IGQ Error ellipse: s-maj=16.5km s-min=3.8km az=94.9.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=6.3km az=173.0.
IDC Error ellipse: s-maj=27.6km s-min=14.0km az=61.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=7.9km az=71.0.

(106) Colombia-Ecuador border region.

IGQ VII 18 15 37 35.6 1.40N 78.93W 12–2 4.4b,4.2s
¶12064248
IGQ Error ellipse: s-maj=3.7km s-min=2.9km az=142.7.
IGQ X 01 07 06 21.3 0.08N 78.45W 10–1 4.2b,4.0s
¶12065693
IGQ Error ellipse: s-maj=0.7km s-min=0.4km az=27.0.
IGQ XI 13 04 06 35.8 0.40N 77.15W 7–2 4.1b,3.9s
¶12073375

IGQ Error ellipse: s-maj=2.0km s-min=1.8km az=132.8.
IGQ XI 19 04 28 22.5 1.22N 78.80W 12–4 4.2b,4.0s ¶12074101

IGQ Error ellipse: s-maj=7.0km s-min=2.5km az=76.6.
IGQ XI 28 02 19 04.6 0.65N 77.44W 9–2 4.1b,3.9s ¶12075101

IGQ Error ellipse: s-maj=2.1km s-min=1.3km az=145.7.
IGQ XII 31 17 15 08.3 1.31N 78.90W 16–2 4.0b,3.8s ¶12079677

IGQ Error ellipse: s-maj=3.3km s-min=2.5km az=151.8.

(107) Ecuador.

IGQ VII 03 03 14 36.4 0.69S 77.61W 13–1 4.0b,3.8s ¶12063992

IGQ Error ellipse: s-maj=1.1km s-min=0.6km az=7.4.
IGQ VII 04 02 51 34.7 2.45S 78.18W 129–2 4.2b,4.0s ¶12064006

IGQ Error ellipse: s-maj=3.2km s-min=3.0km az=165.3.

ISC	VII	**04 06 02 49.8–.18**	**1.49S–.03**	**77.59W–.03**	**192**	**4.8b**	**783**	**1-163**
IGQ	VII	04 06 02 46.3	1.48S	77.84W	211–2	4.8b,4.7s		¶13388132
MOS	VII	04 06 02 46.7–.88	1.32S	77.59W	174	5.0b,4.7s		
ISCJB	VII	04 06 02 47.9–.18	1.48S–.03	77.61W–.03	190	4.9b,4.7s		
IDC	VII	04 06 02 48.9–.57	1.43S	77.67W	183–5	4.5,4.4		
NEIC	VII	04 06 02 49.5–.17	1.42S	77.58W	190	4.9b,4.7		
GCMT	VII	04 06 02 50.6–.20	1.58S	77.91W	193–1	5.2W,4.7		

ISC Event type fe.
IGQ Error ellipse: s-maj=2.7km s-min=1.5km az=10.3.
MOS Error ellipse: s-maj=12.3km s-min=5.3km az=111.9.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.4km az=153.5.
IDC Error ellipse: s-maj=14.2km s-min=6.9km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=58.0. Felt at Bahia de Caraquez and Cuenca.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s62,c86; s85,c134; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.16±.14 $M_{\theta\theta}$2.28±.17; $M_{\phi\phi}$3.88±.21; $M_{r\theta}$1.33±.14; $M_{\theta\phi}$-4.78±.17; $M_{\phi r}$-4.35±.18; Best double couple: NP1:ϕ_s122.00000°,δ32.00000° ,λ-119.00000°. NP2:ϕ_s335.00000°,δ62.00000°,λ-73.00000°. Principal axes: T 9.0900,Plg16.0000°,Azm52.0000°; N -1.2900,Plg15.0000°,Azm147.0000° ; P -7.8000,Plg68.0000°,Azm278.0000° M_o8.50000×10^{16}

IGQ VII 06 20 13 32.3 1.11S 78.28W 9–1 4.0b,3.8s ¶12064040

IGQ Error ellipse: s-maj=1.1km s-min=0.3km az=3.7.
IGQ VII 08 23 44 57.0 1.04S 78.32W 9–1 4.0b,3.8s ¶12064083

IGQ Error ellipse: s-maj=1.4km s-min=0.3km az=1.7.
IGQ VII 10 09 24 17.8 1.03S 78.32W 8–1 4.3b,4.1s ¶12064112

IGQ Error ellipse: s-maj=1.2km s-min=0.3km az=2.9.
IGQ VIII 03 22 59 47.8 1.79S 78.79W 13–1 4.2b,4.0s ¶12064488

IGQ Error ellipse: s-maj=1.4km s-min=0.8km az=161.2.
IGQ VIII 04 22 07 18.1 1.04S 78.31W 10–4 4.1b,3.9s ¶12064504

IGQ Error ellipse: s-maj=1.1km s-min=0.4km az=7.2.
IGQ VIII 06 04 53 19.3 1.40S 78.01W 9–2 4.0b,3.8s ¶12064518

IGQ Error ellipse: s-maj=1.0km s-min=0.7km az=15.5.
IGQ VIII 18 00 19 26.7 1.55S 77.78W 209–2 4.1b,3.9s ¶12064694

IGQ Error ellipse: s-maj=2.8km s-min=1.6km az=14.6.

ISC	VIII	**18 00 41 29.8–.31**	**1.13S–.02**	**78.24W–.05**	**10**	**4.5b**	**122**	**0-163**
IGQ	VIII	18 00 41 26.9	1.07S	78.17W	6–1	4.9b,4.8s		¶11652974
ISCJB	VIII	18 00 41 27.8–.30	1.11S–.02	78.14W–.04	10	4.5b,4.8s		
IDC	VIII	18 00 41 27.2–.69	0.96S	77.80W	0	4.9L,4.3		
NEIC	VIII	18 00 41 31.7–2.1	1.09S	77.79W	29–15	4.8,4.6b		
BJI	VIII	18 00 41 35.7	1.10S	77.80W	29	4.9b,4.6b		

ISC Event type fe.
IGQ Error ellipse: s-maj=1.0km s-min=0.4km az=12.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=2.7km az=15.2.
IDC Error ellipse: s-maj=30.5km s-min=16.0km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=10.5km s-min=5.8km az=64.0. Felt at Archidona, Banos, Cusua, Juive, Latacunga, Palora, Puyo and Tena.
IGQ VIII 28 11 05 17.2 2.94S 78.34W 28–4 4.0b,3.8s ¶12064963

IGQ Error ellipse: s-maj=16.7km s-min=3.4km az=173.2.

ISC	IX	**03 07 53 13.2–.35**	**1.74S–.04**	**77.89W–.08**	**167–3**	**3.4b**	**64**	**1-142**
IGQ	IX	03 07 53 11.0	1.70S	77.91W	183–2	4.2b,4.0s		¶11909351
ISCJB	IX	03 07 53 12.4–.35	1.75S–.04	77.95W–.08	172–3	3.4b,4.0s		
NEIC	IX	03 07 53 13.3–.93	1.73S	77.87W	168–9	4.1,4.0s		
IDC	IX	03 07 53 14.5–1.9	1.71S	77.74W	179–19	3.5,3.4		

ISC Event type se.
IGQ Error ellipse: s-maj=2.9km s-min=1.9km az=21.3.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=5.9km az=177.1.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=8.9km az=73.0.
IDC Error ellipse: s-maj=24.3km s-min=13.3km az=66.0.
IGQ IX 11 12 35 18.4 1.57S 78.22W 181–2 4.0b,3.8s ¶12065282

IGQ Error ellipse: s-maj=3.2km s-min=1.7km az=17.3.
IGQ IX 22 05 42 41.2 2.89S 78.07W 27–3 4.2b,4.0s ¶12065496

IGQ Error ellipse: s-maj=8.6km s-min=6.6km az=161.5.
IGQ IX 29 06 53 13.6 0.16S 78.64W 5–2 4.0b,3.8s ¶12065642

IGQ Error ellipse: s-maj=2.1km s-min=0.9km az=12.8.
IGQ IX 29 15 39 21.8 1.14S 78.75W 11–2 4.0b,3.8s ¶12065646

IGQ Error ellipse: s-maj=2.5km s-min=0.6km az=176.1.
IGQ X 04 19 10 47.5 0.16S 78.65W 6–2 4.3b,4.1s ¶12065927

IGQ Error ellipse: s-maj=1.6km s-min=0.9km az=1.4.
IGQ X 04 21 13 37.7 1.64S 79.66W 40–3 4.1b,3.9s ¶12065934

IGQ Error ellipse: s-maj=2.9km s-min=1.8km az=118.7.
IGQ XI 16 00 35 13.6 1.04S 78.31W 11–1 4.2b,4.0s ¶12073690

IGQ Error ellipse: s-maj=1.1km s-min=0.3km az=3.1.
IGQ XI 16 07 04 19.9 0.91S 79.64W 107–5 4.1b,3.9s ¶12073711

IGQ Error ellipse: s-maj=1.4km s-min=1.1km az=152.2.
IGQ XI 18 10 05 40.0 1.85S 77.25W 12–4 4.0b,3.8s ¶12073994

IGQ Error ellipse: s-maj=1.6km s-min=0.8km az=37.0.
IGQ XI 19 20 56 26.6 2.72S 78.11W 12–5 4.1b,3.9s ¶12074181

IGQ Error ellipse: s-maj=14.8km s-min=4.4km az=165.7.
IGQ XI 19 23 57 56.0 1.24S 78.20W 14–2 4.1b,3.9s ¶12074211

IGQ Error ellipse: s-maj=2.4km s-min=1.0km az=21.4.
IGQ XI 20 04 11 29.4 0.94S 79.21W 110–2 4.0b,3.8s ¶12074227

IGQ Error ellipse: s-maj=0.9km s-min=0.8km az=160.2.
IGQ XI 24 12 07 53.6 2.05S 78.37W 164–3 4.1b,3.9s ¶12074678

IGQ Error ellipse: s-maj=4.4km s-min=2.7km az=21.3.
IGQ XI 28 11 49 44.7 1.91S 78.04W 173–3 4.0b,3.8s ¶12075139

IGQ Error ellipse: s-maj=8.0km s-min=2.4km az=177.3.
IGQ XI 29 09 32 18.3 2.02S 78.02W 209–4 4.0b,3.8s ¶12075243

IGQ Error ellipse: s-maj=6.3km s-min=3.2km az=11.2.
IGQ XII 08 02 42 33.7 1.59S 77.89W 196–2 4.0b,3.8s ¶12076285

IGQ Error ellipse: s-maj=4.0km s-min=2.0km az=17.9.

(108) Off coast of northern Peru.

ISC	VII	**06 23 16 06.2–1.8**	**9.04S–.07**	**79.2W–.20**	**75–17**	**4.0b**	**26**	**2-136**
ISCJB	VII	06 23 16 02.6–2.1	9.04S–.07	79.3W–.20	56–21	4.1b,2.9s		¶11109373
NEIC	VII	06 23 16 02.0	9.24S	79.46W	55	4.3b,2.9s		
IDC	VII	06 23 16 04.7–3.3	9.21S	79.44W	47–34	4.0,4.0L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=30.0km s-min=8.7km az=164.8.
NEIC Event type fe. Felt [II] at Chimbote. After LIM.
IDC Error ellipse: s-maj=43.2km s-min=8.7km az=78.0.

ISC	X	**02 17 02 41.0–.96**	**8.69S–.08**	**81.17W–.08**	**35**	**3.5b**	**15**	**3-135**
IDC	X	02 17 02 36.4–1.4	8.59S	81.18W	0	3.9,3.7L		¶11911729
ISCJB	X	02 17 02 39.1–.98	8.70S–.09	81.18W–.08	33	3.5b,3.7L		
NEIC	X	02 17 02 41.5–.68	8.54S	81.09W	35	3.5b,3.7L		

ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=24.9km az=29.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=10.1km az=37.7.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=10.2km az=55.0.

(109) Near coast of northern Peru.

ISC	VIII	**01 14 40 33.5–1.6**	**6.7S–.10**	**80.0W–.20**	**82–14**	**3.9b**	**19**	**2-137**
IDC	VIII	01 14 40 24.9–1.4	6.19S	79.96W	0	4.2,4.0		¶11907668
ISCJB	VIII	01 14 40 31.5–1.8	6.7S–.10	80.0W–.20	78–16	3.9b,4.0		
NEIC	VIII	01 14 40 34.1–1.2	6.65S	79.98W	88–11	4.2b,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=61.1km s-min=12.6km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=34.4km s-min=13.3km az=152.8.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=8.0km az=61.0.

ISC	VIII	**18 15 38 11.2–1.7**	**5.87S–.08**	**80.81W–.09**	**69–18**	**4.5b**	**261**	**7-167**
IDC	VIII	18 15 38 02.0–.69	5.83S	81.00W	0	4.3,4.2		¶11207917
GCMT	VIII	18 15 38 07.8–.30	5.97S	81.31W	36–1	5.1W,4.2		
NEIC	VIII	18 15 38 08.7–1.1	5.85S	80.92W	48–11	4.7b,4.2		

ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=15.1km az=60.0.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s45,c53; s46,c64; Moment tensor: Scale 10^{16}Nm; M_{rr}3.82±.18 $M_{\theta\theta}$0.39±.12; $M_{\phi\phi}$-4.20±.15; $M_{r\theta}$0.57±.13; $M_{\theta\phi}$0.20±.12; $M_{\phi r}$-3.12±.20; Best double couple: NP1:ϕ_s4.00000°,δ26.00000°,λ100.00000°. NP2:ϕ_s172.00000°,δ64.00000°,λ85.00000°. Principal axes: T 4.9400,Plg70.0000° ,Azm72.0000°; N 0.3600,Plg4.0000°,Azm175.0000°; P -5.3000,Plg19.0000°,Azm266.0000° M_o5.10000×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.2km az=59.0.
IGQ IX 20 11 10 00.1 3.03S 81.16W 10–22 4.5b,4.3s ¶12065471

IGQ Error ellipse: s-maj=24.0km s-min=4.5km az=130.6.
IDC X 09 12 59 15.9–1.1 8.88S 79.70W 35–7 4.2L,3.9 ¶12066425

IDC Error ellipse: s-maj=35.8km s-min=19.9km az=90.0.

ISC	X	**19 10 02 29.3–1.9**	**7.0S–.10**	**80.6W–.20**	**47–19**	**3.8b**	**21**	**2-136**
IDC	X	19 10 02 22.5–1.2	6.86S	80.68W	0	3.9,3.8		¶12069033
ISCJB	X	19 10 02 26.2–2.3	7.0S–.10	80.7W–.20	37–22	3.8b,3.8		
NEIC	X	19 10 02 29.1–1.5	6.97S	80.61W	49–14	4.0b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=14.6km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=32.6km s-min=13.9km az=155.8.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=9.8km az=70.0.

ISC	X	**20 17 05 52.2–1.8**	**8.89S–.07**	**79.2W–.20**	**75–17**	**3.6b**	**21**	**2-139**
ISCJB	X	20 17 05 50.1–2.0	8.92S–.07	79.3W–.20	75–19	3.6b		¶12069142
IDC	X	20 17 05 52.1–2.5	8.87S	79.19W	74–24	3.8,3.6		
NEIC	X	20 17 05 52.0–1.5	8.89S	79.11W	77–13	4.2,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=32.4km s-min=8.1km az=165.7.
IDC Error ellipse: s-maj=36.2km s-min=9.3km az=78.0.
NEIC Event type fe. Error ellipse: s-maj=30.7km s-min=9.1km az=66.0. Felt [III] at Salaverry and [II] at Chimbote and Trujillo.

ISC	XI	**04 03 20 41.4–.83**	**9.81S–.05**	**78.43W–.09**	**88–8**	**4.5b**	**338**	**3-171**
NEIC	XI	04 03 20 37.0	9.69S	78.66W	52	4.8b		¶11392418
IDC	XI	04 03 20 38.3–.65	9.94S	78.69W	68–5	4.2,4.1		
ISCJB	XI	04 03 20 40.2–.90	9.78S–.05	78.45W–.09	96–8	4.5b,4.1		
BJI	XI	04 03 20 58.1	8.60S	78.30W	187	4.9b,4.1		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Casma and Chimbote. Also felt at Huamachuco, Santa and Trujillo. After LIM.
IDC Error ellipse: s-maj=16.7km s-min=6.8km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=16.0km s-min=5.8km az=156.3.

ISC	XI	**10 16 00 28.7–1.5**	**8.73S–.05**	**79.1W–.10**	**52–14**	**4.4b,4.2s**	**50**	**2-170**
ISCJB	XI	10 16 00 26.3–1.8	8.75S–.05	79.2W–.10	48–15	4.4b,4.2s		¶11415181
NEIC	XI	10 16 00 29.8–.27	8.81S	79.19W	63	4.6b,4.2s		
IDC	XI	10 16 00 29.7–.67	8.77S	79.12W	61–5	4.2,4.0		
BJI	XI	10 16 00 30.1	8.80S	79.20W	67	5.4s,5.2b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=22.0km s-min=6.8km az=166.9.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=5.5km az=67.0. Felt [III] at Chimbote and Salaverry and [II] at Casma and Trujillo.
IDC Error ellipse: s-maj=25.2km s-min=9.6km az=59.0.

ISC	XII	**21 15 49 17.7–1.9**	**5.44S–.07**	**81.3W–.10**	**68–17**	**3.9b**	**40**	**3-153**
IDC	XII	21 15 49 13.1–.75	5.47S	81.43W	28–4	4.0,4.0		¶11517286
BJI	XII	21 15 49 14.2	5.50S	81.10W	31	5.1b,5.0s		
ISCJB	XII	21 15 49 16.7–2.1	5.39S–.07	81.3W–.10	72–19	3.9b,5.0s		
NEIC	XII	21 15 49 18.2–1.6	5.47S	81.24W	75–13	4.4b,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=34.2km s-min=16.2km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=22.5km s-min=9.9km az=161.2.
NEIC Event type fe. Error ellipse: s-maj=23.2km s-min=8.0km az=54.0. Felt at Paita, Piura and Querecotillo.

(110) Peru-Ecuador border region.

IGQ VIII 04 20 37 44.0 2.36S 77.28W 136–4 4.3b,4.1s ¶12064500

IGQ Error ellipse: s-maj=3.9km s-min=2.5km az=28.4.

ISC	VIII	**05 14 59 06.2–1.7**	**3.67S–.04**	**77.1W–.10**	**29–17**	**3.5b**	**44**	**2-128**
IDC	VIII	05 14 59 01.9–1.9	3.60S	77.23W	0	4.0,3.8		¶11907797
IGQ	VIII	05 14 59 05.0	3.68S	77.82W	12–3	4.4b,4.2s		
NEIC	VIII	05 14 59 08.8–1.3	4.03S	77.96W	51–15	4.4b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=85.4km s-min=25.6km az=83.0.
IGQ Error ellipse: s-maj=11.6km s-min=2.4km az=163.4.
NEIC Event type se. Error ellipse: s-maj=78.5km s-min=12.9km az=80.0.
IGQ VIII 25 02 57 10.1 2.50S 77.00W 107–9 4.0b,3.8s ¶12064894

IGQ Error ellipse: s-maj=5.4km s-min=3.4km az=13.9.

ISC	IX	**18 02 42 47.7–2.4**	**3.4S–.10**	**80.6W–.30**	**43–24**	**3.5b**	**10**	**4-139**
IDC	IX	18 02 42 41.5–1.5	3.36S	80.45W	0	3.9s,3.9		¶11910527
ISCJB	IX	18 02 42 44.6–1.1	3.48S–.09	80.7W–.20	33	3.5b,3.9		
NEIC	IX	18 02 42 48.4–3.4	3.45S	80.51W	56–30	3.2b,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=73.5km s-min=22.1km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=27.2km s-min=9.1km az=156.6.
NEIC Event type se. Error ellipse: s-maj=43.9km s-min=15.4km az=64.0.

ISC	IX	**21 23 34 51.2–.38**	**2.05S–.03**	**77.62W–.07**	**150–3**	**4.0b**	**83**	**1-132**
IGQ	IX	21 23 34 48.0	2.17S	77.75W	174–3	4.4b,4.2s		¶11910798
IDC	IX	21 23 34 49.4–1.8	1.91S	77.47W	132–17	3.8,3.6b		
ISCJB	IX	21 23 34 50.3–.37	2.05S–.03	77.63W–.06	157–3	4.0b,3.6b		
NEIC	IX	21 23 34 50.4–.70	1.95S	77.48W	144–7	4.6,4.5b		

ISC Event type se.
IGQ Error ellipse: s-maj=5.2km s-min=2.5km az=16.0.
IDC Error ellipse: s-maj=26.6km s-min=12.0km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.6km az=3.6.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.2km az=62.0.
IGQ X 05 21 58 55.8 4.04S 79.86W 65–29 4.3b,4.1s ¶12066066

IGQ Error ellipse: s-maj=5.7km s-min=3.8km az=49.4.
ISC X 10 02 21 02.0–1.5 3.3S–.10 78.7W–.20 102–12 3.7b 48 1-140
IDC X 10 02 20 49.3–1.9 3.07S 78.75W 0 3.9b,3.9 **¶12066478**
NEIC X 10 02 20 56.0–5.2 3.62S 79.50W 58–48 4.3,3.9b
IGQ X 10 02 20 59.4 3.42S 78.60W 101–6 4.3b,4.1s
ISCJB X 10 02 21 00.5–1.6 3.3S–.10 78.8W–.20 111–12 3.7b,4.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IGQ X 14 13 36 03.1 2.41S 77.48W 147–5 4.1b,3.9s
¶12068614
IGQ Error ellipse: s-maj=6.2km s-min=3.7km az=2.4.
IGQ X 15 10 16 26.6 3.39S 78.85W 12–3 4.6b,4.4s
¶12068672
IGQ Error ellipse: s-maj=5.8km s-min=2.2km az=47.3.
ISC X 18 09 42 02.1–.35 2.09S–.04 77.13W–.04 156–2 4.2b 277 1-163
IGQ X 18 09 41 59.9 2.14S 77.17W 169–4 4.5b,4.3s **¶11359812**
ISCJB X 18 09 42 01.6–.33 2.08S–.04 77.23W–.04 167–2 4.2b,4.3s
IDC X 18 09 42 01.7–2.6 1.91S 77.10W 152–26 4.0,3.9
NEIC X 18 09 42 03.4–.82 1.97S 77.19W 169–7 4.4b,4.3
ISC Event type se.
IGQ Error ellipse: s-maj=4.2km s-min=2.3km az=11.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.5km az=153.7.
IDC Error ellipse: s-maj=22.9km s-min=12.4km az=59.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.5km az=58.0.
IDC X 26 18 10 44.6–2.2 3.54S 77.64W 238–31 3.5b,3.4
¶12071176
IDC Error ellipse: s-maj=103.0km s-min=21.9km az=98.0.
IGQ XI 12 12 34 52.8 2.09S 76.96W 163–7 4.0b,3.8s
¶12073298
IGQ Error ellipse: s-maj=5.9km s-min=3.2km az=14.8.
ISC XI 18 16 22 45.2–1.4 3.82S–.05 80.9W–.10 83–13 4.1b 43 4-165
ISCJB XI 18 16 22 42.6–1.6 3.81S–.05 80.9W–.10 76–14 4.1b **¶12074022**
IDC XI 18 16 22 43.9–2.7 3.75S 80.90W 66–26 4.4L,4.4
NEIC XI 18 16 22 44.9–1.2 3.84S 80.89W 79–11 4.6b,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=18.6km s-min=7.8km az=175.0.
IDC Error ellipse: s-maj=34.6km s-min=14.9km az=50.0.
NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=7.8km az=76.0. Felt [II] at Mancora, Peru.
IGQ XI 25 02 49 26.8 2.49S 77.51W 12–3 4.1b,3.9s
¶12074754
IGQ Error ellipse: s-maj=4.9km s-min=1.9km az=127.9.
ISC XI 26 00 57 12.7–.78 2.50S–.05 76.25W–.09 148–8 3.9b 53 3-143
ISCJB XI 26 00 57 12.2–.78 2.49S–.05 76.33W–.09 159–8 3.9b **¶12074845**
IDC XI 26 00 57 12.6–1.9 2.37S 76.22W 143–19 3.9,3.8
NEIC XI 26 00 57 12.7–.68 2.40S 76.23W 146–7 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=6.2km az=162.5.
IDC Error ellipse: s-maj=20.0km s-min=11.0km az=66.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.7km az=73.0.

(111) Northern Peru.

ISC VII 08 05 08 16.7–.89 3.29S–.05 76.72W–.07 95–10 4.4b 300 4-158
ISCJB VII 08 05 08 16.4–.89 3.33S–.05 76.77W–.07 113–9 4.4b **¶11103553**
IDC VII 08 05 08 16.4–.71 3.29S 76.85W 94–7 4.0,3.9
NEIC VII 08 05 08 17.7–.88 3.34S 76.91W 110–9 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=8.1km az=166.1.
IDC Error ellipse: s-maj=17.0km s-min=10.5km az=91.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.9km az=68.0.
ISC VIII 22 01 17 14.6–.94 5.70S–.06 77.4W–.10 48–13 3.5b 12 2-140
IDC VIII 22 01 17 07.8–1.1 5.63S 77.42W 0 3.7,3.6 **¶11908564**
ISCJB VIII 22 01 17 12.5–1.2 5.70S–.06 77.4W–.10 47–15 3.5b,3.6
NEIC VIII 22 01 17 14.5–1.0 5.67S 77.36W 50–12 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=14.4km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=9.7km az=172.2.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=9.3km az=76.0.
ISC VIII 24 13 48 18.7–1.1 5.20S–.05 79.4W–.20 109–9 3.6b 44 2-138
ISCJB VIII 24 13 48 17.3–1.2 5.20S–.05 79.5W–.20 115–10 3.6b **¶11908694**
NEIC VIII 24 13 48 17.8–1.2 5.19S 79.44W 102–12 3.6b
IDC VIII 24 13 48 18.5–2.5 5.22S 79.42W 108–23 3.6,3.5
IGQ VIII 24 13 48 31.9 4.04S 79.17W 141–15 4.6b,4.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.9km s-min=5.8km az=169.7.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=9.6km az=72.0.
IDC Error ellipse: s-maj=41.0km s-min=22.7km az=54.0.
IGQ Error ellipse: s-maj=17.1km s-min=6.4km az=177.9.
ISC VIII 25 09 06 43.1–1.1 7.66S–.06 77.7W–.10 45–11 4.2b,3.5s 30 1-146
IDC VIII 25 09 06 36.8–.62 7.60S 77.76W 0 4.2,4.2 **¶11908745**
NEIC VIII 25 09 06 43.3–.99 7.65S 77.58W 52–10 4.3b,4.2
ISC Event type fe.
IDC Error ellipse: s-maj=21.2km s-min=8.3km az=40.0.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=6.4km az=72.0. Felt [II] at Huamachuco and Santiago de Chuco.
ISC IX 02 21 37 40.8–2.8 6.11S–.05 75.22W–.07 27–22 4.0b 27 3-141
ISCJB IX 02 21 37 36.8–2.9 6.07S–.06 75.12W–.08 15–22 4.0b **¶11909318**
IDC IX 02 21 37 40.8–.78 6.07S 75.18W 26–4 3.9,3.8L
NEIC IX 02 21 37 40.3–1.8 6.07S 75.15W 24–13 4.2b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=7.9km az=153.7.
IDC Error ellipse: s-maj=24.5km s-min=17.8km az=48.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.1km az=74.0.
IDC IX 23 11 15 17.1–2.0 5.14S 78.43W 0 4.6b,4.6
¶11910884
IDC Error ellipse: s-maj=61.5km s-min=31.6km az=33.0.
ISC X 18 19 22 27.2–1.2 3.81S–.08 76.6W–.10 112–12 4.0b 40 4-165
ISCJB X 18 19 22 25.6–1.3 3.89S–.07 76.7W–.10 116–13 4.0b **¶12068994**
NEIC X 18 19 22 26.0–1.1 3.81S 76.52W 103–11 4.3b
IDC X 18 19 22 27.3–.64 3.73S 76.58W 107–5 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=9.2km az=160.9.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=8.1km az=64.0.
IDC Error ellipse: s-maj=20.5km s-min=13.3km az=66.0.
ISC XI 05 19 06 04.8–.66 6.28S–.06 76.7W–.10 35 3.7b 19 2-147
IDC XI 05 19 05 59.7–.90 6.24S 76.80W 0 4.0,3.9 **¶12072455**
ISCJB XI 05 19 06 02.5–.66 6.29S–.06 76.7W–.10 33 3.7b,3.9
NEIC XI 05 19 06 03.5–3.4 6.29S 76.72W 28–24 3.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=13.3km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=8.4km az=172.1.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=11.5km az=64.0.
ISC XI 12 11 42 54.5–3.2 4.51S–.06 77.7W–.10 15–20 3.9b 27 3-140
IDC XI 12 11 42 51.9–.71 4.50S 77.61W 0 4.2,4.1 **¶12073292**
NEIC XI 12 11 42 59.3–1.0 4.61S 77.63W 57–10 3.9,4.1
ISC Event type fe.
IDC Error ellipse: s-maj=28.2km s-min=12.1km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=21.0km s-min=8.2km az=72.0. Felt [II] at Santa Maria de Nieva.
ISC XII 24 20 47 11.8–.35 3.85S–.05 76.39W–.08 115 4.1b 72 4-165
ISCJB XII 24 20 47 10.1–.35 3.83S–.05 76.38W–.08 113 4.1b **¶12078849**
NEIC XII 24 20 47 10.3–.80 3.77S 76.23W 95–7 4.6b
IDC XII 24 20 47 11.6–.52 3.84S 76.37W 114–4 3.9,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.0km az=167.9.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.4km az=65.0.
IDC Error ellipse: s-maj=17.2km s-min=10.2km az=66.0.
ISC XII 29 20 38 49.3–1.7 5.0S–.10 75.12W–.06 72–20 3.5b 33 4-142
IDC XII 29 20 38 41.5–.73 4.61S 75.05W 0 4.0,4.0L **¶12079449**
NEIC XII 29 20 38 45.3–4.4 4.66S 75.04W 25–33 4.0,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=18.3km az=43.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=9.3km az=192.0.

(112) Peru-Brazil border region.

IDC VIII 04 05 00 41.8–2.6 8.95S 74.50W 145–31 3.4,3.3b
¶12580919
IDC Error ellipse: s-maj=33.7km s-min=14.0km az=62.0.
ISC VIII 22 21 03 26.3–.16 8.35S–.03 74.27W–.02 160 5.1b 983 4-168
SZGRF VIII 22 21 02 53.8 12.29S 75.48W 33 5.6b **¶13392350**
BGS VIII 22 21 03 22.8–1.6 8.62S 74.36W 149–0 5.3b
NEIC VIII 22 21 03 24.8–.54 8.36S 74.27W 149–4 5.2b
ISCJB VIII 22 21 03 24.4–.16 8.33S–.03 74.38W–.02 158 5.1b
IDC VIII 22 21 03 25.2–.37 8.31S 74.27W 154–2 4.8,4.8
BJI VIII 22 21 03 26.4 8.37S 74.92W 168 5.3b,4.8
MOS VIII 22 21 03 26.4–.74 8.00S 74.31W 162 5.3b,4.8
GCMT VIII 22 21 03 26.5–.20 8.37S 74.36W 158–1 5.2W,4.8
ISC Event type fe.
SZGRF Central Peru.
BGS Error ellipse: s-maj=692.8km s-min=239.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=217.0. Felt [III] at Pucallpa.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.4km az=25.2.
IDC Error ellipse: s-maj=10.6km s-min=7.3km az=53.0.
MOS Error ellipse: s-maj=7.7km s-min=5.2km az=75.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c72; s80,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}2.04±.16 $M_{\theta\theta}$0.51±.18; $M_{\phi\phi}$-2.55±.21; $M_{r\theta}$2.48±.11; $M_{\theta\phi}$1.03±.20; $M_{\phi r}$-6.32±.14; Best double couple: NP1:ϕ_s351.00000°,δ10.00000°,λ103.00000°. NP2:ϕ_s159.00000°,δ80.00000°,λ88.00000°. Principal axes: T 6.8200,Plg55.0000° ,Azm66.0000°; N 0.8000,Plg2.0000°,Azm159.0000°; P -7.6200,Plg35.0000°,Azm251.0000° M_o7.20000×10^{16}
ISC VIII 26 21 00 36.7–.10 7.66S–.02 74.37W–.02 154 5.8b 1597 4-177
BGS VIII 26 21 00 32.5–1.4 8.45S 74.46W 154–0 5.6b **¶11208051**
ISCJB VIII 26 21 00 34.9–.10 7.64S–.02 74.47W–.02 152 5.8b
BJI VIII 26 21 00 35.6 7.60S 74.40W 154 6.2b
MOS VIII 26 21 00 35.3–.91 7.51S 74.50W 151 5.8b,5.4s
NEIC VIII 26 21 00 36.6–.10 7.64S 74.38W 154 6.4W,6.4W
IDC VIII 26 21 00 37.0–.27 7.59S 74.39W 157–2 5.6,5.6
SZGRF VIII 26 21 00 37.0 8.97S 72.38W 140 5.6,5.6
DJA VIII 26 21 00 38 7.92S 74.32W 149 6.5b,5.6
GCMT VIII 26 21 00 40.2–.10 7.76S 74.49W 158–0 6.4W,5.6
ISC Event type fe.
BGS Error ellipse: s-maj=405.3km s-min=181.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=30.8.
MOS Error ellipse: s-maj=6.0km s-min=4.0km az=72.4.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=38.0. Felt [IV] at Pucallpa and [II] at Lima. Also felt at Bagua Grande, Banos, Bellavista, Campoverde, Chachapoyas, Chimbote, Contamana, Huancayo, Huanuco, Iquitos, Moyobamba, Santiago de Chuco, Saposoa, Soritor, Tarapoto, Tarma, Tingo Maria, Tocache, Trujillo and Yurimaguas. Felt at Ambato, Banos, Eloy Alfaro, Guayaquil and Quito, Ecuador. Also felt at Cruzeiro do Sul, Eirunepe, Tabatinga and Tarauaca, Brazil. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s5.00000°,δ45.00000°,λ-90.00000°. NP2: ϕ_s185.00000°,δ45.00000°,λ-90.00000°. Principal axes: T Plg0.0000°,Azm95.0000° ; N Plg0.0000°,Azm0.0000°; P Plg90.0000°,Azm0.0000° Moment Tensor Solution. s172 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.66 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$3.95 $M_{r\theta}$1.17 $M_{\theta\phi}$0.30 $M_{\phi r}$-1.64 Best double couple: NP1:ϕ_s201.00000°,δ36.00000°,λ-62.00000°. NP2:ϕ_s347.00000° ,δ59.00000°,λ-109.00000°. Principal axes: T 4.2900,Plg11.0000°,Azm90.0000° ; N 0.0700,Plg16.0000°,Azm357.0000°; P -4.3600,Plg69.0000°,Azm214.0000° M_o4.30000×10^{18} Moment Tensor Solution. M_o4.00000×10^{18}
IDC Error ellipse: s-maj=8.8km s-min=5.3km az=79.0.
SZGRF Peru-Brazil border region.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=274, per= 50. Moment Tensor Solution. s116,c283; s87,c170; Moment tensor: Scale 10^{18}Nm; M_{rr}-4.07±.02 $M_{\theta\theta}$-0.34±.03; $M_{\phi\phi}$4.41±.03; $M_{r\theta}$1.59±.02; $M_{\theta\phi}$0.02±.03; $M_{\phi r}$-1.44±.02; Best double couple: NP1:ϕ_s198.00000°,δ39.00000°,λ-60.00000°. NP2:ϕ_s341.00000°,δ57.00000°,λ-112.00000°. Principal axes: T 4.6600,Plg10.0000°,Azm87.0000°; N 0.1900,Plg18.0000°,Azm354.0000° ; P -4.8600,Plg69.0000°,Azm204.0000° M_o4.80000×10^{18}
IDC VIII 31 00 59 47.9–5.4 8.57S 74.71W 34–53 4.0b,3.8
¶12581585
IDC Error ellipse: s-maj=59.3km s-min=16.7km az=37.0.
ISC IX 04 07 02 28.0–.89 9.93S–.07 73.97W–.09 155–13 3.2b 15 3-139
ISCJB IX 04 07 02 27.2–.90 9.92S–.07 74.00W–.09 161–13 3.2b **¶11909442**
IDC IX 04 07 02 27.2–.76 9.91S 73.95W 148–8 3.4,3.4
NEIC IX 04 07 02 27.3–.36 9.90S 73.95W 148 4.1b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=8.9km az=145.3.
IDC Error ellipse: s-maj=12.4km s-min=11.8km az=32.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.4km az=61.0.
ISC IX 27 05 12 48.8–1.1 8.01S–.06 74.39W–.09 143–13 4.1b 29 4-147
ISCJB IX 27 05 12 47.8–1.2 8.01S–.06 74.41W–.09 151–14 4.1b **¶11911159**
NEIC IX 27 05 12 49.0–.82 8.01S 74.31W 145–8 4.6b
IDC IX 27 05 12 49.5–.59 8.03S 74.47W 152–6 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=8.9km az=154.9.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.8km az=67.0.
IDC Error ellipse: s-maj=11.4km s-min=10.1km az=34.0.
ISC X 16 13 15 34.6–1.3 8.3S–.10 74.6W–.10 123–14 3.6b 21 4-140
ISCJB X 16 13 15 33.7–1.3 8.3S–.10 74.6W–.10 131–15 3.5b **¶12068770**
IDC X 16 13 15 33.9–2.4 8.33S 74.57W 119–25 3.7,3.6
NEIC X 16 13 15 34.6–1.0 8.36S 74.56W 130–9 4.1b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.3km s-min=11.4km az=139.9.
IDC Error ellipse: s-maj=36.5km s-min=15.5km az=42.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.4km az=66.0.
ISC X 17 22 17 18.1–.99 7.05S–.05 74.19W–.08 134–9 4.2b 331 4-154
ISCJB X 17 22 17 17.6–1.0 7.05S–.05 74.23W–.08 148–9 4.2b **¶11359130**
BJI X 17 22 17 18.0 7.00S 74.20W 141 4.7b
NEIC X 17 22 17 18.8–.69 7.05S 74.25W 144–7 4.3b
IDC X 17 22 17 20.6–.83 7.05S 74.30W 162–7 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=6.7km az=152.6.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.2km az=69.0.
IDC Error ellipse: s-maj=20.7km s-min=11.3km az=71.0.
IDC X 31 19 03 47.4–2.8 11.68S 70.39W 0 4.0b,3.6
¶12071760
IDC Error ellipse: s-maj=99.9km s-min=47.2km az=76.0.
ISC XI 06 23 37 42.4–.64 9.32S–.09 71.6W–.10 525–13 3.4b 25 6-141
ISCJB XI 06 23 37 41.7–.67 9.29S–.09 71.6W–.10 533–15 3.4b **¶12072600**
NEIC XI 06 23 37 41.9–.65 9.31S 71.57W 519–9 4.0b
IDC XI 06 23 37 42.2–1.8 9.38S 71.61W 522–29 3.2,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=9.1km az=140.6.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.1km az=72.0.
IDC Error ellipse: s-maj=48.6km s-min=13.4km az=41.0.
ISC XI 12 00 22 05.6–.21 7.51S–.03 74.37W–.04 154 4.7b 570 4-167
ISCJB XI 12 00 22 03.4–.22 7.54S–.03 74.50W–.04 152 4.7b **¶11434415**
IDC XI 12 00 22 04.0–.57 7.60S 74.55W 146–5 4.5,4.4
NEIC XI 12 00 22 05.0–.17 7.55S 74.39W 153 4.9b,4.4
BJI XI 12 00 22 05.4 6.91S 74.28W 155 5.0b,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.3km az=142.6.
IDC Error ellipse: s-maj=10.4km s-min=8.6km az=58.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=70.0. Felt at Pucallpa.
ISC XI 19 07 49 53.8–.16 7.81S–.03 74.38W–.02 151 5.1b 982 4-168
ISCJB XI 19 07 49 52.0–.15 7.76S–.03 74.47W–.02 150 5.1b **¶11458363**
MOS XI 19 07 49 51.9–.91 7.66S 74.50W 145 5.3b
NEIC XI 19 07 49 53.4–.13 7.80S 74.43W 150 5.3b
BJI XI 19 07 49 53.5 7.80S 74.40W 144 5.6b
IDC XI 19 07 49 53.6–.41 7.75S 74.35W 151–3 5.0,5.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.7km az=28.6.
MOS Error ellipse: s-maj=8.6km s-min=5.0km az=103.8.

NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.9km az=46.0. Felt [III] at Pucallpa and [II] at Contamana.
IDC Error ellipse: s-maj=13.2km s-min=8.7km az=65.0.
ISC XII 03 13 34 19.0–1.6 8.0S–.10 74.6W–.10 157–19 3.4b 25 4-147
IDC XII 03 13 34 16.7–2.8 7.74S 74.44W 129–27 3.6,3.5 **¶12075612**
NEIC XII 03 13 34 17.4–1.2 7.87S 74.48W 139–13 4.2b,3.5
ISCJB XII 03 13 34 18.3–1.6 8.0S–.10 74.7W–.10 167–18 3.4b,3.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

(113) Western Brazil.

ISC VII 09 08 52 38.6–.63 6.99S–.07 71.62W–.08 517–10 3.9b 67 7-147
ISCJB VII 09 08 52 38.6–.72 7.02S–.08 71.67W–.09 538–11 3.9b **¶11811067**
NEIC VII 09 08 52 38.5–.52 7.01S 71.62W 521–7 4.0b
IDC VII 09 08 52 39.7–.98 7.26S 71.79W 548–11 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=7.3km az=140.4.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.2km az=53.0.
IDC Error ellipse: s-maj=18.2km s-min=13.0km az=48.0.

(114) Off coast of Peru.

ISC IX 03 01 40 19.1–2.2 13.2S–.10 78.0W–.10 41–18 4.0b 19 2-145
ISCJB IX 03 01 40 15.8–3.6 13.20S–.08 78.14W–.09 32–26 4.0b **¶11909339**
NEIC IX 03 01 40 18.8–2.5 13.10S 78.02W 38–19 4.4b
IDC IX 03 01 40 19.0–5.3 13.13S 78.05W 40–39 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=13.0km az=170.7.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=10.4km az=48.0.
IDC Error ellipse: s-maj=51.4km s-min=25.5km az=38.0.
ISC IX 07 10 49 57.2–.44 11.13S–.05 78.15W–.07 49 4.2b,4.0s 38 2-149
ISCJB IX 07 10 49 54.8–.46 11.14S–.05 78.23W–.08 47 4.2b,4.0s **¶11909723**
IDC IX 07 10 49 57.3–.59 11.05S 78.16W 50–5 3.9,3.8
NEIC IX 07 10 49 57.5–.50 11.01S 78.08W 47 4.7b,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.1km s-min=5.4km az=149.4.
IDC Error ellipse: s-maj=16.7km s-min=5.4km az=48.0.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=7.0km az=57.0. Felt [III] at Barranca and Supe; [II] at Huacho and Lima.
IDC IX 29 03 47 09.5–3.3 17.32S 75.62W 0 4.1b,4.0
¶11911317
IDC Error ellipse: s-maj=66.5km s-min=30.3km az=42.0.

(115) Near coast of Peru.

ISC VII 14 10 15 03.9–.85 12.09S–.08 77.38W–.09 53 3.9b 11 1-135
ISCJB VII 14 10 15 01.5–.84 12.10S–.08 77.49W–.08 51 3.9b **¶11811549**
NEIC VII 14 10 15 03.2–.74 12.16S 77.49W 51 4.0
IDC VII 14 10 15 04.3–2.0 11.82S 77.24W 52–7 3.8,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=8.7km az=135.4.
NEIC Event type fe. Error ellipse: s-maj=18.2km s-min=11.5km az=56.0. Felt [III] at Callao and [II] at Chosica, Huaral and Lima.
IDC Error ellipse: s-maj=89.8km s-min=30.0km az=43.0.
IDC VII 18 03 28 45.2–2.2 17.79S 72.89W 0 4.0,3.8
¶12698279
IDC Error ellipse: s-maj=284.2km s-min=50.0km az=161.0.
ISC VIII 18 19 17 23.4–2.0 14.4S–.10 76.5W–.20 52–18 4.3b,3.9s 27 2-147
IDC VIII 18 19 17 16.5–.70 14.19S 76.39W 0 4.3,4.2b **¶11908407**
NEIC VIII 18 19 17 17.8–.52 14.46S 76.64W 10 4.6b,4.2b
ISCJB VIII 18 19 17 21.3–2.5 14.5S–.10 76.5W–.20 53–22 4.3b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 20 01 38 05.1–1.2 13.42S–.09 76.2W–.10 42–12 3.9b 20 2-146
ISCJB VIII 20 01 38 04.6–1.2 13.44S–.09 76.3W–.10 57–11 3.9b **¶11908471**
IDC VIII 20 01 38 06.4–.79 13.38S 76.25W 54–6 3.9,3.7
NEIC VIII 20 01 38 06.2–.42 13.42S 76.26W 55 4.0b,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=24.1km s-min=8.9km az=146.1.
IDC Error ellipse: s-maj=29.8km s-min=7.2km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=7.9km az=53.0. Felt [III] at Chincha Alta, Pisco and San Vicente de Canete; [II] at Ica.
IDC VIII 31 06 31 11.1–2.9 16.10S 73.83W 45–24 3.7b,3.7
¶12581592
IDC Error ellipse: s-maj=50.8km s-min=19.1km az=43.0.
ISC IX 05 12 30 02.2–.35 14.20S–.07 75.7W–.10 46 4.4b,3.8s 56 2-149
ISCJB IX 05 12 30 00.1–.35 14.22S–.07 75.8W–.10 44 4.4b,3.8s **¶11909526**
NEIC IX 05 12 30 01.9–.28 14.22S 75.76W 44 4.6b,3.8s
IDC IX 05 12 30 02.0–.63 14.21S 75.69W 44–5 4.2,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=6.6km az=148.6.
NEIC Event type fe. Error ellipse: s-maj=11.9km s-min=5.4km az=55.0. Felt [III] at Ica and Pisco; [II] at Chincha Alta and Palpa.
IDC Error ellipse: s-maj=28.6km s-min=13.4km az=58.0.
ISC IX 08 04 01 57.9–3.3 15.7S–.30 75.1W–.30 61–23 3.8b 12 4-148
ISCJB IX 08 04 01 57.1–3.2 15.6S–.30 75.1W–.20 67–23 3.8b **¶11909783**
IDC IX 08 04 01 59.8–5.4 15.50S 74.99W 67–33 3.7,3.6
NEIC IX 08 04 02 07.5–2.0 13.83S 74.13W 83–17 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=57.0km s-min=11.1km az=43.4.
IDC Error ellipse: s-maj=89.6km s-min=16.0km az=40.0.
NEIC Event type se. Error ellipse: s-maj=131.6km s-min=10.8km az=207.0.
IDC IX 16 08 05 46.2–1.3 13.54S 76.89W 0 3.7,3.6b
¶11910387
IDC Error ellipse: s-maj=37.6km s-min=13.2km az=78.0.
IDC IX 16 08 11 47.8–2.7 13.17S 76.41W 0 3.6,3.4b
¶11910388
IDC Error ellipse: s-maj=76.7km s-min=15.2km az=57.0.
ISC IX 20 14 43 06.2–.19 16.14S–.04 73.51W–.04 42 5.2b,4.8s 453 5-176
MOS IX 20 14 43 03.6–1.2 15.98S 73.68W 33 5.4b,4.8s **¶11282335**
ISCJB IX 20 14 43 04.2–.19 16.11S–.04 73.62W–.04 40 5.2b,4.8s
NEIC IX 20 14 43 05.4–.18 16.13S 73.63W 40 5.4b,5.4W
IDC IX 20 14 43 05.8–.37 16.15S 73.58W 40–3 4.7,4.7s
LDG IX 20 14 43 07.0–.38 15.74S 73.21W 40–0 5.0b,4.7s
BJI IX 20 14 43 07.4 16.10S 73.60W 40 5.3s,5.2b
GCMT IX 20 14 43 10.9–.20 16.35S 74.11W 52–1 5.4W,5.2b
ISC Event type fe.
MOS Error ellipse: s-maj=10.6km s-min=7.2km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.8km az=40.4.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.6km az=64.0. Felt [IV] at Altico and Chala; [II] at Arequipa, Caraveli, Ica, Marcona and Palpa. Moment Tensor Solution. s57 Moment tensor: Scale 10^{17}Nm; M_{rr}0.88 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-1.49 $M_{r\theta}$-0.10 $M_{\theta\phi}$0.14 $M_{\phi r}$-0.77 Best double couple: NP1:ϕ_s337.00000°,δ31.00000°,λ62.00000°. NP2:ϕ_s189.00000°,δ63.00000°,λ106.00000°. Principal axes: T 1.1500,Plg68.0000°,Azm130.0000° ; N 0.5800,Plg14.0000°,Azm1.0000°; P -1.7200,Plg16.0000°,Azm267.0000° $M_0$1.50000×10^{17}
IDC Error ellipse: s-maj=14.1km s-min=10.1km az=67.0.
LDG Event type ke. Error ellipse: s-maj=23.2km s-min=8.8km az=44.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s76,c139; s89,c152; Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.03 $M_{\theta\theta}$0.15±.03; $M_{\phi\phi}$-1.20±.03; $M_{r\theta}$-0.02±.02; $M_{\theta\phi}$0.98±.02; $M_{\phi r}$-0.93±.03; Best double couple: NP1:ϕ_s303.00000°,δ37.00000°,λ44.00000°. NP2:ϕ_s176.00000°,δ65.00000°,λ119.00000°. Principal axes: T 1.5000,Plg59.0000° ,Azm127.0000°; N 0.4400,Plg26.0000°,Azm343.0000°; P -1.9400,Plg16.0000° ,Azm245.0000° $M_0$1.70000×10^{17}
ISC IX 26 18 33 59.4–1.7 16.12S–.08 74.72W–.09 45–15 4.5b,4.1s 56 5-174
IDC IX 26 18 33 53.0–.57 16.07S 74.71W 0 4.3,4.2b **¶11310461**
ISCJB IX 26 18 33 53.2–3.0 16.05S–.08 74.72W–.10 15–21 4.5b,4.1s
NEIC IX 26 18 34 03.8–1.4 15.33S 74.33W 58–11 4.6b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=12.6km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=8.5km az=142.3.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=7.9km az=220.0.
ISC X 02 04 34 51.5–1.5 14.24S–.10 76.4W–.20 56–14 3.9b 30 2-146
IDC X 02 04 34 44.3–.98 14.13S 76.28W 0 4.0,4.0 **¶11911683**
ISCJB X 02 04 34 48.7–1.8 14.27S–.10 76.4W–.20 50–16 3.9b,4.0
NEIC X 02 04 34 49.4–.71 14.18S 76.45W 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=13.2km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=28.3km s-min=9.8km az=151.3.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=10.7km az=60.0.
ISC X 05 12 29 39.6–1.0 16.2S–.10 72.73W–.08 116–14 4.2b 18 4-148
ISCJB X 05 12 29 38.3–1.1 16.2S–.10 72.72W–.08 120–15 4.2b **¶12066001**
IDC X 05 12 29 38.9–1.7 16.19S 72.69W 108–16 4.1b,3.9
NEIC X 05 12 29 39.8–1.0 16.20S 72.69W 116–10 4.5b,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.7km s-min=8.8km az=30.0.
IDC Error ellipse: s-maj=22.5km s-min=12.8km az=27.0.
NEIC Event type fe. Error ellipse: s-maj=17.3km s-min=12.1km az=46.0. Felt [II] at Camana, Chuquibamba and Ocona.
ISC X 07 00 51 22.3–.87 12.3S–.10 76.8W–.20 83–5 4.0b 29 0-136
ISCJB X 07 00 51 21.2–1.0 12.3S–.10 76.9W–.20 88–6 4.0b **¶12066239**
NEIC X 07 00 51 21.0 12.25S 76.94W 78 4.2b
IDC X 07 00 51 24.0–1.5 12.10S 76.98W 69–11 3.9,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=34.4km s-min=12.3km az=150.6.
NEIC Event type fe. Felt [III] at Lima. After LIM.
IDC Error ellipse: s-maj=43.7km s-min=19.5km az=61.0.
IDC X 08 10 30 50.0–1.9 14.47S 76.06W 0 4.1,3.9
¶12066329
IDC Error ellipse: s-maj=87.2km s-min=46.5km az=30.0.
ISC X 10 05 11 18.0–1.4 15.7S–.10 74.7W–.10 70–16 3.6b 18 4-148
ISCJB X 10 05 11 16.3–1.5 15.7S–.10 74.7W–.10 72–18 3.6b **¶12066486**
IDC X 10 05 11 17.2–2.3 15.68S 74.60W 56–21 3.7L,3.7
NEIC X 10 05 11 17.3–1.3 15.67S 74.65W 60–13 4.1,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=28.0km s-min=10.8km az=142.8.
IDC Error ellipse: s-maj=34.6km s-min=14.6km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=22.5km s-min=11.4km az=55.0. Felt [II] at Chala.
ISC X 10 22 13 39.8–1.3 13.66S–.08 76.6W–.20 44–12 4.0s,4.0b 38 2-158
IDC X 10 22 13 33.6–.75 13.65S 76.60W 0 4.2,4.1 **¶11344614**
ISCJB X 10 22 13 38.1–1.5 13.69S–.08 76.7W–.10 47–13 4.0b,4.0s
NEIC X 10 22 13 40.2–1.2 13.56S 76.67W 47–11 4.1b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=31.8km s-min=12.0km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=24.7km s-min=8.2km az=153.0.
NEIC Event type fe. Error ellipse: s-maj=19.7km s-min=7.2km az=67.0. Felt at Lima.
IDC X 15 12 29 38.0–3.0 16.14S 74.25W 51–28 3.8,3.8
¶12068681
IDC Error ellipse: s-maj=36.3km s-min=19.3km az=47.0.
ISC X 15 20 15 28.8–4.4 14.4S–.40 76.0W–.40 66–30 3.6b 12 3-149
NEIC X 15 20 15 29.5–2.5 14.05S 75.77W 63–17 4.0 **¶12068710**
IDC X 15 20 15 30.2–4.1 13.91S 75.64W 62–26 3.8,3.8L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=61.4km s-min=13.3km az=218.0. Felt [II] at Ica.
IDC Error ellipse: s-maj=95.0km s-min=23.2km az=34.0.
IDC X 16 08 43 41.5–3.0 15.00S 74.04W 90–19 3.9,3.8b
¶12068752
IDC Error ellipse: s-maj=62.0km s-min=17.1km az=35.0.
ISC X 17 01 45 40.4–1.1 17.5S–.10 70.2W–.10 129–14 3.6b 15 2-136
ISCJB X 17 01 45 39.7–1.1 17.5S–.10 70.2W–.10 137–13 3.6b **¶12068850**
NEIC X 17 01 45 40.1–1.0 17.50S 70.15W 123–12 3.7b
IDC X 17 01 45 40.5–1.9 17.42S 70.14W 129–15 3.7b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=16.8km az=151.3.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=13.5km az=77.0.
IDC Error ellipse: s-maj=28.6km s-min=19.5km az=150.0.
ISC X 20 04 27 20.7–2.0 13.0S–.20 76.8W–.20 57–21 14 1-145
NEIC X 20 04 27 17.0 13.15S 76.60W 48 4.0 **¶12069106**
ISCJB X 20 04 27 19.5–2.1 13.1S–.20 76.8W–.20 54–24 4.0
IDC X 20 04 27 20.1–2.7 13.07S 76.78W 42–23 3.6,3.5L
ISC Event type fe.
NEIC Event type fe. Felt [III] at San Vicente de Canete. After LIM.
ISCJB Event type fe. Error ellipse: s-maj=34.8km s-min=12.0km az=43.7.
IDC Error ellipse: s-maj=37.6km s-min=14.0km az=61.0.
IDC X 28 02 32 34.2–1.6 14.38S 76.87W 0 3.8,3.7
¶12071298
IDC Error ellipse: s-maj=44.6km s-min=19.9km az=50.0.
ISC X 28 15 30 05.1–2.6 14.4S–.20 76.3W–.20 60–20 4.1b 21 2-147
IDC X 28 15 29 56.7–.92 14.37S 76.27W 0 4.2,4.1 **¶12071342**
NEIC X 28 15 30 02.8–1.9 14.27S 76.38W 41–15 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=18.4km az=65.0.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=11.1km az=48.0.
ISC X 29 15 22 49.5–1.3 16.2S–.10 73.9W–.10 105–16 4.0b 17 5-148
ISCJB X 29 15 22 46.3–1.4 16.2S–.10 74.0W–.10 92–17 4.0b **¶12071489**
NEIC X 29 15 22 46.6–1.1 16.19S 74.08W 79–11 4.0b
IDC X 29 15 22 46.8–2.6 16.21S 74.05W 81–23 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.8km s-min=11.1km az=143.1.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=10.8km az=59.0.
IDC Error ellipse: s-maj=34.4km s-min=24.7km az=62.0.
ISC X 29 23 00 10.8–2.0 13.7S–.10 76.7W–.20 66–16 3.6b 13 2-82
IDC X 29 23 00 08.1–13 12.29S 75.89W 0 4.2b,4.1 **¶12071567**
ISCJB X 29 23 00 09.6–2.0 13.7S–.10 76.7W–.10 71–17 3.6b,4.1
NEIC X 29 23 00 09.0 13.71S 76.24W 33 4.1L,3.4b
ISC Event type fe.
IDC Error ellipse: s-maj=426.2km s-min=47.5km az=44.0.
ISCJB Event type fe. Error ellipse: s-maj=29.4km s-min=10.7km az=138.0.
NEIC Event type fe. Felt [III] at Pisco and [II] at Chincha Alta. After LIM.
ISC X 30 15 47 40.2–.47 13.64S–.07 76.3W–.10 48 4.2b 36 2-148
ISCJB X 30 15 47 38.1–.48 13.64S–.07 76.3W–.10 46 4.2b **¶12071636**
IDC X 30 15 47 40.1–.53 13.54S 76.09W 46–4 4.1,4.0
NEIC X 30 15 47 41.4–1.8 13.50S 76.23W 59–17 4.4b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.3km s-min=6.6km az=156.7.
IDC Error ellipse: s-maj=27.1km s-min=7.1km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=32.1km s-min=10.7km az=62.0. Felt [III] at Chincha Alta and Pisco; [II] at San Vicente de Canete.
ISC XI 01 20 40 29.4–1.7 12.49S–.05 77.16W–.09 31–11 4.3s,4.1b 53 1-173
ISCJB XI 01 20 40 28.0–1.5 12.54S–.06 77.2W–.10 36–12 4.3s,4.1b **¶11380782**
IDC XI 01 20 40 29.8–.60 12.48S 77.08W 35–4 4.0,3.9
NEIC XI 01 20 40 29.6–.30 12.45S 77.07W 38 4.5b,3.9
BJI XI 01 20 40 30.2 12.55S 76.23W 55 5.1s,5.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=18.9km s-min=9.4km az=162.2.
IDC Error ellipse: s-maj=16.0km s-min=10.1km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=6.3km az=73.0. Felt [IV] at Lima, [III] at Canta and [II] at Chincha Alta and Ica.
ISC XII 19 05 14 17.5–2.8 14.3S–.20 75.8W–.20 58–22 3.5b 22 3-147
IDC XII 19 05 14 09.4–1.5 14.44S 76.09W 0 3.8,3.7 **¶12078146**
ISCJB XII 19 05 14 15.2–3.0 14.4S–.20 75.8W–.20 56–24 3.5b,3.7
NEIC XII 19 05 14 16.3–2.1 14.34S 75.86W 48–17 3.5b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=56.2km s-min=20.1km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=44.6km s-min=12.2km az=39.1.
NEIC Event type se. Error ellipse: s-maj=33.4km s-min=9.7km az=216.0.
ISC XII 19 06 44 00.2–2.6 17.4S–.20 70.2W–.20 88–27 3.3b 11 2-150
ISCJB XII 19 06 44 00.7–2.5 17.4S–.20 70.1W–.20 103–25 3.3b **¶12078153**
IDC XII 19 06 44 00.1–4.9 17.56S 70.30W 79–37 3.5,3.4
NEIC XII 19 06 44 00.3–2.5 17.51S 70.15W 80–23 3.5b,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=33.0km s-min=23.6km az=155.3.

IDC Error ellipse: s-maj=61.2km s-min=24.5km az=117.0.
NEIC Event type fe. Error ellipse: s-maj=29.1km s-min=19.4km az=64.0. Felt [II] at Moquegua.
IDC XII 24 22 51 49.2–7.5 17.90S 70.20W 125–48 3.3b,3.3
¶12078865

IDC Error ellipse: s-maj=106.2km s-min=46.3km az=27.0.
ISC XII 26 20 52 22.2–1.8 13.53S–.05 76.7W–.10 3–11 4.1b,4.1s 47 2-146
ISCJB XII 26 20 52 20.4–1.8 13.58S–.05 76.7W–.10 2–11 4.1b,4.1s **¶12079097**
NEIC XII 26 20 52 22.8–3.2 13.57S 76.70W 9–19 4.3b,4.2L
IDC XII 26 20 52 25.5–3.1 13.47S 76.66W 21–18 4.1,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.7km s-min=6.9km az=160.7.
NEIC Event type fe. Error ellipse: s-maj=15.4km s-min=6.5km az=66.0. Felt [II] at Chincha Alta and Pisco.
IDC Error ellipse: s-maj=30.9km s-min=14.2km az=60.0.

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ISC VII 01 00 17 32.8–1.6 10.36S–.03 75.50W–.02 28–11 5.3b,5.0s 965 2-171
IDC VII 01 00 17 28.3–.38 10.31S 75.55W 0 5.2,5.2 **¶13378991**
ISCJB VII 01 00 17 31.0–.14 10.29S–.03 75.60W–.02 27 5.3b,5.0s
GCMT VII 01 00 17 30.9–.10 10.38S 75.42W 12 5.4W,5.0s
MOS VII 01 00 17 32.1–1.0 10.29S 75.57W 33 5.5b,5.0s
NEIC VII 01 00 17 33.2–1.4 10.37S 75.51W 33–9 5.4b,5.3L
ISC Event type de.
IDC Error ellipse: s-maj=13.9km s-min=9.9km az=82.0.
ISCJB Event type de. Error ellipse: s-maj=4.2km s-min=2.8km az=36.4.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 95, comp=190, per= 50. Moment Tensor Solution. s65,c109; s15,c16; Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.02 $M_{\theta\theta}$-0.19±.02; $M_{\phi\phi}$-1.37±.02; $M_{r\theta}$0.24±.06; $M_{\theta\phi}$0.61±.02; $M_{\phi r}$0.64±.06; Best double couple: NP1:$\phi_1$142.00000°,δ38.00000°,λ66.00000°. NP2:$\phi_2$352.00000°,δ56.00000°,λ108.00000°. Principal axes: T 1.7600,Plg73.0000°,Azm309.0000°; N -0.0600,Plg15.0000°,Azm162.0000°; P -1.7100,Plg9.0000°,Azm69.0000° $M_0$1.70000×10^{17}
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=95.8.
NEIC Event type de. Error ellipse: s-maj=4.5km s-min=3.0km az=225.0. Forty-five people injured in Oxapampa. About 60 houses destroyed and 25 damaged in Huancabamba. Landslides destroyed roads between Huancabamba and Pozuzo. Felt [VI] at Espiritu Pata, Huancabamba, Jatunpata, Lanturache, Tingo and Torrebamba; [III] at Chotabanda, Oxapampa, Palcazu and Pozuzo; [II] at Puerto Bermudez and Villa Rica.
ISC VII 01 01 04 18.9–2.3 10.34S–.05 75.40W–.06 24–17 4.5b,3.6s 252 2-165
IDC VII 01 01 04 14.9–.60 10.33S 75.49W 0 4.3,4.2 **¶11006800**
BJI VII 01 01 04 15.0 9.88S 75.45W 28 5.1s,5.0b
ISCJB VII 01 01 04 16.6–2.2 10.29S–.05 75.38W–.06 24–16 4.5b,3.6s
NEIC VII 01 01 04 18.7–2.3 10.34S 75.39W 28–17 4.7b,4.4L
ISC Event type fe.
IDC Error ellipse: s-maj=14.8km s-min=12.3km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=8.0km az=162.3.
NEIC Event type fe. Error ellipse: s-maj=13.1km s-min=7.4km az=60.0. Felt [II] at Pozuzo.
ISC VII 07 03 12 13.6–1.1 13.7S–.60 72.2W–.30 78–35 8 5-146
ISCJB VII 07 03 12 11.8–1.9 13.6S–.80 72.1W–.30 76–50 **¶11810846**
IDC VII 07 03 12 13.3–1.9 13.91S 72.25W 90–37 3.5b,3.4
NEIC VII 07 03 12 14.0–1.1 13.93S 72.19W 100–22 3.5b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=145.5km s-min=10.7km az=22.3.
IDC Error ellipse: s-maj=159.4km s-min=15.4km az=23.0.
NEIC Event type se. Error ellipse: s-maj=94.2km s-min=12.6km az=203.0.
ISC VII 09 03 25 32.4–.98 11.96S–.08 75.2W–.10 57–11 4.0b 22 2-147
IDC VII 09 03 25 24.6–.88 11.81S 75.03W 0 4.0,3.9 **¶11811048**
ISCJB VII 09 03 25 30.3–1.1 11.93S–.08 75.1W–.10 60–12 4.0b,3.9
NEIC VII 09 03 25 31.4–.89 11.92S 75.19W 46–9 4.1b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=20.8km s-min=15.5km az=4.0.
ISCJB Event type fe. Error ellipse: s-maj=19.9km s-min=9.8km az=149.6.
NEIC Event type fe. Error ellipse: s-maj=14.0km s-min=7.4km az=64.0. Felt [II] at Concepcion and Jauja.
ISC VII 09 07 01 46.4–3.2 10.34S–.04 75.35W–.06 18–19 4.6b,3.9s 374 2-165
ISCJB VII 09 07 01 43.6–3.0 10.27S–.04 75.40W–.06 12–19 4.6b,3.9s **¶11108418**
IDC VII 09 07 01 43.2–.56 10.30S 75.42W 0 4.5,4.4b
NEIC VII 09 07 01 45.6–2.1 10.31S 75.37W 15–13 4.7b,4.3L
BJI VII 09 07 01 46.6 10.30S 75.40W 15 5.1b,5.0s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=6.9km az=164.8.
IDC Error ellipse: s-maj=17.2km s-min=12.3km az=101.0.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=4.3km az=59.0. Felt [II] at Huancabamba.
ISC VII 09 23 42 14.4–3.5 10.07S–.06 74.23W–.07 33–30 3.5b 18 3-62
IDC VII 09 23 42 09.8–1.3 10.09S 74.32W 0 4.3L,4.0 **¶11811129**
ISCJB VII 09 23 42 13.9–1.3 10.03S–.06 74.31W–.07 50–16 3.5b,4.0
NEIC VII 09 23 42 15.1–.93 10.04S 74.31W 47–13 3.7b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=17.0km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=8.2km az=136.2.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.1km az=56.0.
IDC VII 12 07 38 11.4–2.7 14.69S 72.19W 100–22 3.2,3.1b
¶12698157

IDC Error ellipse: s-maj=140.1km s-min=15.1km az=25.0.
ISC VII 14 22 37 03.2–.37 10.16S–.06 75.03W–.06 10 4.6b,3.6s 323 3-170
NEIC VII 14 22 36 58.5–.49 10.67S 74.58W 10 4.7b,4.1L **¶11133958**
ISCJB VII 14 22 37 01.5–.36 10.12S–.05 75.11W–.06 10 4.6b,3.6s
IDC VII 14 22 37 01.5–.55 10.23S 75.39W 0 4.4,4.3b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=9.7km az=88.0. Felt [III] at Huancabamba and [II] at Oxapampa and Pozuzo.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=7.3km az=157.5.
IDC Error ellipse: s-maj=15.5km s-min=12.1km az=89.0.
ISC VII 19 10 49 03.8–.93 10.13S–.05 75.23W–.06 47–9 4.7b 393 2-170
IDC VII 19 10 48 57.1–.50 10.19S 75.44W 0 4.5,4.4 **¶11153492**
NEIC VII 19 10 49 00.8–1.8 10.22S 75.40W 24–13 4.8b,4.4
ISCJB VII 19 10 49 02.0–1.2 10.10S–.05 75.26W–.06 49–10 4.7b,4.4
BJI VII 19 10 49 02.7 10.20S 75.40W 23 4.9b,4.4
ISC Event type fe.
IDC Error ellipse: s-maj=15.7km s-min=12.1km az=78.0.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=5.0km az=57.0. Felt [II] at Huancabamba and Oxapampa.
ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=7.3km az=143.5.
ISC VII 24 02 21 34.5–1.5 14.2S–.30 71.4W–.20 55–17 4.3b 16 4-146
IDC VII 24 02 21 28.4–.96 13.74S 71.09W 0 4.4,4.3b **¶11812497**
ISCJB VII 24 02 21 34.2–1.9 14.2S–.30 71.3W–.20 68–20 4.1b,4.3b
NEIC VII 24 02 21 34.6–1.0 14.18S 71.34W 55–10 4.0b,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=50.3km s-min=14.1km az=40.0.
ISCJB Event type fe. Error ellipse: s-maj=62.3km s-min=17.3km az=35.6.
NEIC Event type fe. Error ellipse: s-maj=28.9km s-min=9.6km az=215.0. Felt [III] at Yanaoca and [II] at Cusco.
IDC VII 24 02 26 00.6–1.1 14.78S 72.20W 0 4.2,4.0
¶12698413

IDC Error ellipse: s-maj=42.8km s-min=17.3km az=37.0.
ISC VII 28 18 18 40.4–.96 14.25S–.07 71.27W–.09 42–9 4.6b,3.4s 42 4-168
ISCJB VII 28 18 18 37.7–1.3 14.22S–.08 71.26W–.09 35–12 4.6b,3.4s **¶11153878**
IDC VII 28 18 18 39.8–3.1 14.24S 71.29W 35–25 4.2b,4.2
NEIC VII 28 18 18 40.9–.96 14.24S 71.30W 47–9 4.7b,4.2
BJI VII 28 18 18 41.9 14.20S 71.30W 47 5.0s,5.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.6km s-min=8.1km az=141.5.
IDC Error ellipse: s-maj=26.2km s-min=15.3km az=39.0.
NEIC Event type fe. Error ellipse: s-maj=14.4km s-min=7.1km az=51.0. Felt [II] at Sicuani.
IDC VIII 05 06 13 06.4–1.3 8.63S 75.18W 0 3.7,3.6
¶12580929

IDC Error ellipse: s-maj=29.9km s-min=19.4km az=45.0.
ISC VIII 06 22 03 11.8–.21 14.17S–.04 72.93W–.04 94 4.8b 538 4-171
NEIC VIII 06 22 03 08.8–.75 14.15S 72.92W 68–6 4.9b **¶11158594**
ISCJB VIII 06 22 03 10.0–.20 14.14S–.04 73.08W–.04 92 4.8b
BJI VIII 06 22 03 11.0 14.10S 72.90W 87 5.7s,5.4
IDC VIII 06 22 03 11.3–.61 14.12S 73.00W 91–4 4.5,4.5
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.6km az=45.0. Felt [II] at Andahuaylas and Chalhuanca.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.5km az=33.8.
IDC Error ellipse: s-maj=17.8km s-min=9.3km az=46.0.
ISC VIII 08 07 36 21.6–.53 10.49S–.07 73.54W–.06 10 3.8b 19 4-79
ISCJB VIII 08 07 36 19.6–.53 10.50S–.06 73.51W–.06 10 3.8b **¶11907950**
IDC VIII 08 07 36 19.6–.90 10.41S 73.41W 0 4.1,4.0
NEIC VIII 08 07 36 25.5–1.0 10.51S 73.51W 44–13 3.9b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=8.1km az=26.0.
IDC Error ellipse: s-maj=30.1km s-min=15.6km az=45.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=9.2km az=53.0.
ISC VIII 16 21 38 57.0–1.1 8.31S–.08 75.2W–.10 131–18 3.5b 12 3-140
ISCJB VIII 16 21 38 56.1–1.1 8.32S–.08 75.2W–.10 138–18 3.5b **¶11908324**
NEIC VIII 16 21 38 56.5–1.0 8.20S 75.02W 120–13 3.5b
IDC VIII 16 21 38 56.4–2.3 8.28S 75.17W 120–24 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=9.7km az=147.4.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=10.6km az=58.0.
IDC Error ellipse: s-maj=29.7km s-min=11.8km az=58.0.
ISC VIII 20 17 59 38.1–.84 14.79S–.09 72.73W–.08 98–10 4.2b 15 5-147
ISCJB VIII 20 17 59 36.7–.95 14.83S–.09 72.75W–.08 100–12 4.2b **¶11908502**
NEIC VIII 20 17 59 38.5–1.1 14.81S 72.65W 96–11 4.7b
IDC VIII 20 17 59 41.5–3.7 14.83S 72.47W 119–29 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=7.7km az=34.6.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.0km az=49.0.
IDC Error ellipse: s-maj=30.9km s-min=21.7km az=94.0.
ISC VIII 29 07 05 30.0–.99 14.64S–.07 73.38W–.09 70–9 4.2b 46 4-159
ISCJB VIII 29 07 05 29.1–1.1 14.64S–.07 73.43W–.09 78–10 4.2b **¶11223870**
NEIC VIII 29 07 05 31.6–1.0 14.63S 73.45W 82–10 4.4b
IDC VIII 29 07 05 33.6–.74 14.62S 73.31W 102–5 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=7.2km az=141.1.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=7.5km az=54.0.
IDC Error ellipse: s-maj=24.2km s-min=12.8km az=46.0.
ISC VIII 31 04 11 21.6–1.5 9.7S–.10 74.9W–.10 118–18 3.9b 12 3-139
ISCJB VIII 31 04 11 20.7–1.6 9.7S–.10 75.0W–.10 130–19 3.7b **¶11909152**
IDC VIII 31 04 11 21.2–2.6 9.75S 74.90W 118–27 3.8,3.6b
NEIC VIII 31 04 11 22.6–1.5 9.76S 74.90W 133–17 3.8b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=15.8km az=40.8.
IDC Error ellipse: s-maj=28.1km s-min=20.6km az=61.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=12.2km az=206.0.
ISC IX 03 13 02 31.5–1.2 10.8S–.10 75.4W–.10 83–16 3.7b 13 2-146
IDC IX 03 13 02 22.3–.87 10.51S 75.21W 0 4.1L,4.0 **¶11909372**
NEIC IX 03 13 02 24.6–.61 10.44S 75.23W 15 3.9L,4.0
ISCJB IX 03 13 02 29.6–1.4 10.8S–.10 75.3W–.10 81–18 3.7b,4.0
ISC Event type fe.
NEIC Event type fe. Felt [II] at Oxapampa.
ISCJB Event type fe.
ISC X 04 23 05 53.1–.93 11.08S–.08 74.62W–.10 123–12 3.6b 24 2-83
ISCJB X 04 23 05 52.3–1.0 11.07S–.08 74.7W–.10 131–14 3.5b **¶12065944**
NEIC X 04 23 05 52.6–.86 11.04S 74.62W 118–11 4.4b
IDC X 04 23 05 52.9–1.8 11.09S 74.64W 122–20 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=10.1km az=145.6.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=9.3km az=47.0.
IDC Error ellipse: s-maj=23.3km s-min=13.2km az=48.0.
IDC X 21 01 28 23.2–1.6 13.22S 70.63W 0 4.2b,4.2
¶12070709

IDC Error ellipse: s-maj=57.3km s-min=29.8km az=75.0.
IDC X 28 16 15 48.9–1.4 12.17S 75.02W 0 4.0b,3.8
¶12071346

IDC Error ellipse: s-maj=86.6km s-min=17.2km az=6.0.
ISC XI 03 03 11 08.1–.88 10.86S–.06 74.37W–.08 115–10 4.1b 38 3-170
ISCJB XI 03 03 11 06.9–1.0 10.83S–.06 74.37W–.09 121–11 4.1b **¶12072065**
IDC XI 03 03 11 07.4–.51 10.84S 74.34W 111–4 4.1,4.0
NEIC XI 03 03 11 08.1–.79 10.88S 74.36W 118–7 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=8.3km az=155.7.
IDC Error ellipse: s-maj=10.4km s-min=9.8km az=5.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.1km az=69.0.
IDC XI 08 14 00 06.7–6.0 13.75S 74.17W 0 4.7b,4.5
¶12072825

IDC Error ellipse: s-maj=242.7km s-min=47.4km az=33.0.
ISC XI 22 20 25 52.1–.97 9.14S–.05 75.82W–.06 36–8 5.1s,4.9b 158 3-169
ISCJB XI 22 20 25 49.9–.27 9.13S–.05 75.96W–.06 33 5.1s,4.9b **¶11473227**
IDC XI 22 20 25 49.3–3.2 9.10S 75.61W 16–20 4.7,4.6b
BJI XI 22 20 25 52.3 9.10S 75.60W 43 5.5s,5.3b
NEIC XI 22 20 25 52.0–.85 9.07S 75.66W 38–7 5.1b,5.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.5km az=146.7.
IDC Error ellipse: s-maj=18.0km s-min=9.7km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=5.4km az=66.0. Felt [III] at Pucallpa and [II] at Lima. Also felt at Cerro de Pasco and Trujillo.
ISC XI 24 00 25 14.0–1.9 10.56S–.05 75.29W–.07 8–12 4.0b 31 2-146
IDC XI 24 00 25 14.7–4.3 10.46S 75.36W 15–27 4.1,4.1L **¶12074626**
NEIC XI 24 00 25 19.0–.73 10.55S 75.50W 50–8 4.0b,4.1L
ISC Event type fe.
IDC Error ellipse: s-maj=23.5km s-min=20.0km az=76.0.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=6.5km az=69.0. Felt [II] at Huancabamba.
ISC XII 01 00 05 10.9–.57 11.48S–.04 75.57W–.05 100–5 4.7b 141 1-171
ISCJB XII 01 00 05 10.0–.66 11.47S–.04 75.62W–.06 109–6 4.7b **¶12075373**
NEIC XII 01 00 05 11.0–.58 11.47S 75.57W 103–5 4.9b
IDC XII 01 00 05 12.8–.39 11.68S 75.78W 123–3 4.3,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=5.5km az=149.4.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=4.1km az=63.0. Felt [III] at Yauyos and [II] at Concepcion.
IDC Error ellipse: s-maj=10.9km s-min=7.7km az=158.0.
ISC XII 16 22 47 41.3–.70 11.95S–.06 73.23W–.04 53–8 4.3b 44 4-148
ISCJB XII 16 22 47 38.8–.89 11.92S–.06 73.20W–.04 48–10 4.3b **¶12077825**
NEIC XII 16 22 47 40.1–.67 11.98S 73.30W 45–6 4.5b
IDC XII 16 22 47 41.3–2.2 11.96S 73.27W 54–22 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.8km az=29.1.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.1km az=220.0.
IDC Error ellipse: s-maj=25.3km s-min=12.8km az=31.0.
ISC XII 27 05 45 49.0–.84 14.5S–.20 71.41W–.09 116–12 3.6b 18 4-147
ISCJB XII 27 05 45 47.7–.87 14.5S–.20 71.43W–.09 120–13 3.6b **¶12079135**
IDC XII 27 05 45 48.3–1.6 14.14S 71.22W 97–32 3.5b,3.5
NEIC XII 27 05 45 48.2–1.3 14.67S 71.39W 113–12 4.4b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.4km s-min=8.2km az=22.6.
IDC Error ellipse: s-maj=87.9km s-min=10.9km az=27.0.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=13.2km az=199.0.
ISC XII 28 02 37 31.9–.82 14.58S–.07 72.43W–.05 76–10 3.5b 33 4-147
ISCJB XII 28 02 37 29.8–1.1 14.56S–.07 72.43W–.06 73–13 3.5b **¶12079230**
IDC XII 28 02 37 33.7–1.4 14.72S 72.69W 98–13 3.6,3.5
NEIC XII 28 02 37 33.9–1.0 14.66S 72.63W 96–10 4.0b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=7.0km az=34.6.
IDC Error ellipse: s-maj=38.9km s-min=9.5km az=32.0.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=9.4km az=46.0.
ISC XII 30 20 51 33.8–.30 8.46S–.04 75.49W–.06 10 4.4b 81 3-153
IDC XII 30 20 51 32.0–.53 8.47S 75.55W 0 4.3,4.2 **¶11524542**
ISCJB XII 30 20 51 32.1–.30 8.42S–.04 75.45W–.06 10 4.4b,4.2
NEIC XII 30 20 51 35.5–.26 8.49S 75.54W 25 4.7b,4.2
ISC Event type fe.

IDC Error ellipse: s-maj=17.9km s-min=10.8km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.4km az=169.3.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=5.3km az=68.0. Felt at Campoverde and Pucallpa.

ISC	**XII**	**31 21 23 43.7–.70**	**8.80S–.03**	**75.83W–.03**	**35–6**	**4.9b,4.5s**	**403**	**3-169**	
ISCJB	XII	31 21 23 41.0–2.0	8.77S–.04	75.90W–.04	30–14	4.9b,4.5s			¶11525195
NEIC	XII	31 21 23 42.9–1.2	8.82S	75.87W	32–8	5.0b,4.5s			
IDC	XII	31 21 23 44.7–2.1	8.72S	75.84W	47–23	4.4,4.3			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=4.7km az=140.3.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.4km az=50.0. Felt [III] at Tingo Maria.
IDC Error ellipse: s-maj=22.7km s-min=12.1km az=62.0.

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ISC	**VII**	**05 13 28 06.7–1.1**	**15.56S–.09**	**72.9W–.10**	**98–11**	**4.3b**	**33**	**5-170**	
ISCJB	VII	05 13 28 05.4–1.3	15.53S–.09	72.9W–.10	104–12	4.3b			¶11009344
NEIC	VII	05 13 28 07.1–1.0	15.59S	73.09W	102–9	4.6b			
IDC	VII	05 13 28 08.1–1.8	15.65S	73.14W	110–16	3.9,3.8			
BJI	VII	05 13 28 11.0	15.60S	73.10W	102	4.7b,3.8			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=21.5km s-min=9.1km az=140.9.
NEIC Event type fe. Error ellipse: s-maj=15.1km s-min=8.1km az=54.0. Felt [II] at Caraveli and Pausa.
IDC Error ellipse: s-maj=29.6km s-min=12.8km az=52.0.

ISC	**VII**	**08 09 13 07.6–.13**	**15.99S–.03**	**71.75W–.02**	**123**	**5.8b**	**1271**	**1-177**	
BGS	VII	08 09 12 54.7–1.7	18.50S	72.83W	123–0	5.6b			¶12951128
DJA	VII	08 09 12 55	16.19S	71.82W	10	6.1b			
MOS	VII	08 09 13 04.6–.97	15.80S	71.84W	102	6.0b,5.4s			
ISCJB	VII	08 09 13 06.0–.13	15.91S–.03	71.84W–.02	121	5.8b,5.4s			
GUC	VII	08 09 13 06.1–.74	16.57S	72.26W	80–0	6.0b,5.7s			
NEIC	VII	08 09 13 07.5–.12	15.99S	71.75W	123	6.3,6.2W			
IDC	VII	08 09 13 07.4–.36	16.02S	71.77W	123–2	5.4,5.4			
LDG	VII	08 09 13 08.0–.43	15.70S	71.41W	117–0	5.8b,5.2s			
GCMT	VII	08 09 13 10.0–.10	16.26S	72.00W	126–0	6.2W,5.2s			

ISC Event type de.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=6.9km s-min=4.6km az=81.4.
ISCJB Event type de. Error ellipse: s-maj=3.9km s-min=2.3km az=24.8.
GUC Error ellipse: s-maj=5.5km s-min=6.9km az=-1.0.
NEIC Event type de. Error ellipse: s-maj=3.6km s-min=2.9km az=46.0. One person killed and several buildings damaged [V] at Arequipa. Felt [V] at Aplao and Sihuas; [IV] at Chivay, Chuquibamba and Pampacolca. Felt at Ilo. Also felt [IV] at Arica and Putre; [III] at Alcerreca and Tacora; [II] at Alto Hospicio, Camina, Huara, Iquique, Pica and Pozo Almonte, Chile. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s285.00000°,δ75.00000°,λ-105.00000°. NP2:ϕ_s151.00000°,δ21.00000°,λ-46.00000°. Principal axes: T Plg28.0000°,Azm27.0000°; N Plg0.0000°,Azm0.0000°; P Plg57.0000° ,Azm175.0000° Moment Tensor Solution. s94 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.75 $M_{\theta\theta}$0.49 $M_{\phi\phi}$0.27 $M_{r\theta}$1.53 $M_{\theta\phi}$-1.12 $M_{\phi r}$-0.81 Best double couple: NP1:ϕ_s164.00000° ,δ22.00000°,λ-43.00000°. NP2:ϕ_s295.00000°,δ75.00000°,λ-106.00000°. Principal axes: T 2.4100,Plg28.0000°,Azm38.0000°; N -0.6200,Plg15.0000°,Azm299.0000° ; P -1.7900,Plg56.0000°,Azm183.0000° $M_0$2.20000×10^{18}
IDC Error ellipse: s-maj=12.1km s-min=7.9km az=74.0.
LDG Event type ke. Error ellipse: s-maj=25.8km s-min=11.4km az=52.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=115, comp=273, per= 50. Moment Tensor Solution. s117,c265; s79,c109; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.08±.02 $M_{\theta\theta}$0.37±.02; $M_{\phi\phi}$0.72±.02; $M_{r\theta}$1.51±.02; $M_{\theta\phi}$-1.93±.02; $M_{\phi r}$-0.35±.02; Best double couple: NP1:ϕ_s177.00000°,δ44.00000°,λ-23.00000°. NP2:ϕ_s284.00000°,δ74.00000°,λ-132.00000°. Principal axes: T 2.9100,Plg19.0000°,Azm44.0000°; N -0.6200,Plg40.0000°,Azm297.0000° ; P -2.2900,Plg44.0000°,Azm153.0000° $M_0$2.60000×10^{18}

IDC	**IX**	**06 10 58 51.4–1.8**	**15.06S**	**70.08W**	**214–19**	**3.5,3.3**			
									¶11909599

IDC Error ellipse: s-maj=45.4km s-min=30.3km az=46.0.

ISC	**X**	**10 11 44 25.1–.86**	**15.1S–.10**	**72.21W–.08**	**105–9**	**3.7b**	**30**	**4-147**	
ISCJB	X	10 11 44 23.7–.93	15.1S–.10	72.22W–.08	108–10	3.7b			¶12066503
IDC	X	10 11 44 24.6–1.5	15.11S	72.19W	98–13	3.9,3.8			
NEIC	X	10 11 44 25.3–1.1	15.08S	72.13W	107–10	4.5b,3.8			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=6.6km az=35.0.
IDC Error ellipse: s-maj=28.3km s-min=9.9km az=33.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=9.3km az=46.0.

ISC	**X**	**15 00 17 53.1–.22**	**15.02S–.05**	**71.93W–.07**	**104**	**4.6b**	**392**	**4-171**	
ISCJB	X	15 00 17 51.1–.22	14.99S–.05	72.01W–.07	102	4.6b			¶11349212
IDC	X	15 00 17 52.5–.62	14.95S	71.99W	103–5	4.5,4.4			
NEIC	X	15 00 17 56.2–.97	15.00S	71.99W	137–9	4.7b,4.4			
GCMT	X	15 00 18 00.7–.40	15.13S	72.28W	134–3	5.0W,4.4			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=4.6km az=142.4.
IDC Error ellipse: s-maj=19.8km s-min=10.0km az=59.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.5km az=61.0.
GCMT Event type se. Data Used: II IC CN IU G. Moment Tensor Solution. s33,c42; s68,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}0.50±.15 $M_{\theta\theta}$-2.22±.16; $M_{\phi\phi}$1.72±.18; $M_{r\theta}$-0.25±.10; $M_{\theta\phi}$2.83±.14; $M_{\phi r}$-2.52±.12; Best double couple: NP1:ϕ_s257.00000°,δ58.00000°,λ13.00000°. NP2:ϕ_s160.00000°,δ79.00000°,λ147.00000°. Principal axes: T 4.5900,Plg31.0000° ,Azm114.0000°; N -0.6400,Plg56.0000°,Azm324.0000°; P -3.9400,Plg14.0000° ,Azm212.0000° $M_0$4.30000×10^{16}

ISC	**XI**	**27 03 04 57.5–.20**	**15.88S–.03**	**73.43W–.05**	**77**	**5.0b**	**233**	**4-172**	
MOS	XI	27 03 04 51.4–.90	15.76S	73.48W	33	5.3b			¶11479741
ISCJB	XI	27 03 04 55.5–.20	15.87S–.03	73.51W–.05	75	5.0b			
BJI	XI	27 03 04 57.4	15.90S	73.50W	75	5.5s,5.3b			
NEIC	XI	27 03 04 57.3–.18	15.87S	73.45W	75	5.1b,5.3b			
IDC	XI	27 03 04 57.2–.37	15.83S	73.43W	74–2	4.8,4.7			
LDG	XI	27 03 04 58.4–.50	15.53S	73.05W	79–0	5.1b,4.0s			
GCMT	XI	27 03 05 00.6–.30	15.94S	73.49W	80–2	5.0W,4.0s			

ISC Event type fe.
MOS Error ellipse: s-maj=14.2km s-min=7.5km az=105.7.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=3.7km az=151.1.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.2km az=68.0. Felt [IV] at Chala and [II] at Coracora. Also felt at Arequipa and Camana.
IDC Error ellipse: s-maj=14.2km s-min=9.0km az=56.0.
LDG Event type ke. Error ellipse: s-maj=30.6km s-min=11.7km az=45.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s54,c70; s73,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}3.20±.18 $M_{\theta\theta}$-4.77±.14; $M_{\phi\phi}$1.57±.19; $M_{r\theta}$-1.80±.11; $M_{\theta\phi}$-1.27±.18; $M_{\phi r}$0.61±.13; Best double couple: NP1:ϕ_s54.00000°,δ39.00000°,λ52.00000°. NP2:ϕ_s279.00000°,δ60.00000°,λ117.00000°. Principal axes: T 3.9200,Plg64.0000° ,Azm237.0000°; N 1.4200,Plg23.0000°,Azm85.0000°; P -5.3400,Plg11.0000°,Azm351.0000° $M_0$4.60000×10^{16}

ISC	**XII**	**05 02 00 25.7–1.6**	**15.5S–.10**	**73.9W–.20**	**59–14**	**4.2b**	**44**	**5-148**	
ISCJB	XII	05 02 00 24.7–1.7	15.5S–.10	74.0W–.20	69–15	4.1b			¶12075818
NEIC	XII	05 02 00 25.4–.55	15.70S	73.99W	68	4.2b			
IDC	XII	05 02 00 26.4–1.0	15.57S	73.91W	68–7	4.2,4.0			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=35.4km s-min=11.8km az=145.4.
NEIC Event type fe. Error ellipse: s-maj=31.3km s-min=11.8km az=59.0. Felt [III] at Chala.
IDC Error ellipse: s-maj=42.3km s-min=14.8km az=46.0.

ISC	**XII**	**08 15 46 39.8–1.1**	**16.85S–.09**	**71.47W–.10**	**104–11**	**4.0b**	**27**	**3-149**	
NEIC	XII	08 15 46 37.3–1.1	16.79S	71.62W	81–10	4.3b			¶12076373
ISCJB	XII	08 15 46 38.7–1.2	16.82S–.09	71.48W–.10	110–12	4.0b			
IDC	XII	08 15 46 39.4–2.1	16.74S	71.39W	96–18	4.0,3.9			

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=15.3km s-min=10.6km az=56.0. Felt [IV] at Mollendo and Punta de Bombon; [III] at Arequipa.
ISCJB Event type fe. Error ellipse: s-maj=19.0km s-min=10.1km az=135.1.
IDC Error ellipse: s-maj=24.2km s-min=14.3km az=38.0.

ISC	**XII**	**11 20 51 21.9–.90**	**15.0S–.20**	**71.8W–.10**	**122–10**	**3.7b**	**19**	**4-84**	
ISCJB	XII	11 20 51 20.7–.93	14.9S–.10	71.70W–.08	130–11	3.6b			¶12076992
NEIC	XII	11 20 51 22.0–1.3	15.25S	71.78W	121–14	4.6b			
IDC	XII	11 20 51 26.7–4.2	15.31S	71.46W	154–30	3.6,3.5b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.8km s-min=8.4km az=24.7.
NEIC Event type se. Error ellipse: s-maj=32.5km s-min=14.6km az=212.0.
IDC Error ellipse: s-maj=38.9km s-min=25.5km az=104.0.

IDC	**XII**	**12 18 51 51.7–7.3**	**16.89S**	**71.63W**	**139–41**	**3.5,3.4**			
									¶12077165

IDC Error ellipse: s-maj=123.7km s-min=26.7km az=20.0.

ISC	**XII**	**13 07 53 43.4–.90**	**16.83S–.09**	**70.89W–.07**	**143–9**	**3.6b**	**28**	**3-149**	
IDC	XII	13 07 53 40.4–.81	16.71S	70.74W	112–6	3.9,3.8b			¶12077253
NEIC	XII	13 07 53 41.9–1.1	16.71S	70.81W	128–10	4.2b,3.8b			
ISCJB	XII	13 07 53 42.4–.92	16.81S–.09	70.88W–.07	149–9	3.6b,3.8b			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**XII**	**19 06 16 30.8–1.6**	**15.2S–.30**	**72.6W–.10**	**127–11**	**3.5b**	**16**	**4-84**	
ISCJB	XII	19 06 16 29.5–1.7	15.3S–.30	72.7W–.10	131–12	3.2b			¶12078148
NEIC	XII	19 06 16 29.6–1.6	15.35S	72.63W	122–12	4.3			
IDC	XII	19 06 16 31.8–2.1	13.71S	71.84W	80–40	3.8L,3.6			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=46.7km s-min=8.6km az=24.2.
NEIC Event type fe. Error ellipse: s-maj=38.0km s-min=12.3km az=199.0. Felt [II] at Caraveli, Chuquibamba and Ocona.
IDC Error ellipse: s-maj=102.6km s-min=11.0km az=26.0.

ISC	**XII**	**26 06 24 52.0–.55**	**15.45S–.08**	**70.13W–.07**	**227–6**	**3.7b**	**34**	**2-148**	
ISCJB	XII	26 06 24 51.3–.54	15.46S–.06	70.10W–.06	237–6	3.7b			¶12079007
NEIC	XII	26 06 24 51.8–.70	15.44S	70.11W	224–8	4.3b			
IDC	XII	26 06 24 52.0–.77	15.32S	70.02W	222–8	3.6,3.5b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=7.2km az=135.6.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.9km az=47.0.
IDC Error ellipse: s-maj=31.7km s-min=10.9km az=29.0.

(118) Peru-Bolivia border region.

IDC	**VII**	**08 07 00 41.5–1.3**	**15.04S**	**69.81W**	**209–18**	**3.4,3.2b**			
									¶12698081

IDC Error ellipse: s-maj=68.0km s-min=20.7km az=26.0.

IDC	**VII**	**16 15 18 05.3–6.0**	**17.63S**	**69.76W**	**138–51**	**3.8,3.6**			
									¶12698251

IDC Error ellipse: s-maj=117.2km s-min=28.0km az=101.0.

ISC	**VII**	**17 00 28 04.7–.80**	**16.7S–.10**	**69.67W–.08**	**176–8**	**3.6b**	**18**	**2-149**	
ISCJB	VII	17 00 28 04.1–.77	16.7S–.10	69.61W–.09	186–8	3.6b			¶11811802
IDC	VII	17 00 28 05.1–2.1	16.64S	69.61W	175–11	3.7b,3.6			
NEIC	VII	17 00 28 05.2–1.3	16.72S	69.56W	180–12	3.6b,3.6			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=9.3km az=33.1.
IDC Error ellipse: s-maj=54.8km s-min=15.6km az=17.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=12.0km az=68.0.

ISC	**VIII**	**07 04 09 19.6–.52**	**17.69S–.04**	**69.35W–.07**	**156–6**	**4.0b**	**25**	**1-76**	
ISCJB	VIII	07 04 09 18.7–.52	17.70S–.04	69.33W–.07	162–6	4.0b			¶11907856
NEIC	VIII	07 04 09 18.3–.76	17.84S	69.40W	149–9	4.0			
GUC	VIII	07 04 09 20.4–.32	17.92S	69.49W	175–3	4.0L			
IDC	VIII	07 04 09 20.4–4.0	17.64S	69.18W	157–22	3.9b,3.7			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=6.3km az=5.3.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=11.2km az=65.0.
GUC Error ellipse: s-maj=3.5km s-min=7.6km az=-1.0.
IDC Error ellipse: s-maj=54.1km s-min=28.8km az=46.0.

ISC	**VIII**	**27 10 59 51.1–.60**	**15.96S–.06**	**69.43W–.09**	**236–6**	**4.0b**	**30**	**1-148**	
ISCJB	VIII	27 10 59 50.0–.60	15.96S–.07	69.43W–.09	242–6	4.0b			¶11908922
NEIC	VIII	27 10 59 50.9–.59	15.94S	69.43W	231–6	4.2b			
IDC	VIII	27 10 59 50.6–.68	15.87S	69.44W	227–5	3.8,3.7b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=9.5km az=156.1.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.9km az=65.0.
IDC Error ellipse: s-maj=17.5km s-min=11.7km az=50.0.

ISC	**IX**	**04 03 19 24.5–.72**	**15.9S–.10**	**69.4W–.10**	**253–7**	**3.2b**	**19**	**1-137**	
ISCJB	IX	04 03 19 23.0–.63	15.86S–.08	69.49W–.08	253–6	3.2b			¶11909429
IDC	IX	04 03 19 23.8–.97	15.71S	69.38W	242–7	3.3,3.2b			
NEIC	IX	04 03 19 24.5–.66	15.76S	69.35W	248–7	4.2b,3.2b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=9.2km az=135.3.
IDC Error ellipse: s-maj=35.4km s-min=18.1km az=38.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.6km az=215.0.

IDC	**IX**	**04 06 10 27.1–1.7**	**15.73S**	**69.46W**	**175–20**	**3.8b,3.6**			
									¶11909438

IDC Error ellipse: s-maj=136.8km s-min=20.3km az=18.0.

IDC	**IX**	**05 12 05 06.6–1.9**	**17.45S**	**69.49W**	**171–13**	**3.7,3.6b**			
									¶11909525

IDC Error ellipse: s-maj=42.3km s-min=23.0km az=118.0.

IDC	**IX**	**10 10 54 11.1–2.4**	**17.22S**	**69.60W**	**128–22**	**4.0,3.9**			
									¶11909947

IDC Error ellipse: s-maj=19.8km s-min=12.1km az=61.0.

IDC	**IX**	**10 17 46 00.5–2.3**	**17.96S**	**69.47W**	**124–22**	**3.5,3.5**			
									¶11909976

IDC Error ellipse: s-maj=30.2km s-min=27.5km az=136.0.

IDC	**X**	**09 18 48 11.4–3.2**	**17.19S**	**69.64W**	**167–19**	**3.5b,3.5**			
									¶12066454

IDC Error ellipse: s-maj=69.7km s-min=28.7km az=118.0.

IDC	**X**	**15 13 56 07.1–10**	**14.93S**	**69.98W**	**0**	**4.3,4.1b**			
									¶12068687

IDC Error ellipse: s-maj=423.5km s-min=56.9km az=21.0.

IDC	**X**	**17 17 19 49.5–8.8**	**13.14S**	**69.80W**	**120–96**	**4.0b,4.0**			
									¶12068903

IDC Error ellipse: s-maj=185.8km s-min=77.0km az=56.0.

IDC	**X**	**20 12 30 09.8–5.1**	**16.83S**	**69.54W**	**183–22**	**3.5,3.4b**			
									¶12069127

IDC Error ellipse: s-maj=116.0km s-min=31.1km az=18.0.

ISC	**XI**	**15 08 49 37.3–.51**	**16.78S–.05**	**68.78W–.09**	**216–5**	**4.0b**	**57**	**1-149**	
ISCJB	XI	15 08 49 36.2–.50	16.76S–.05	68.82W–.08	221–5	4.0b			¶12073610
NEIC	XI	15 08 49 36.7–.71	16.75S	68.77W	212–7	4.5b			
IDC	XI	15 08 49 37.5–.56	16.54S	68.72W	216–2	3.9,3.8b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.5km az=152.5.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.4km az=69.0.
IDC Error ellipse: s-maj=18.7km s-min=13.4km az=30.0.

IDC	**XI**	**21 06 15 47.3–4.1**	**14.67S**	**68.86W**	**132–67**	**3.7b,3.7**			
									¶12074374

IDC Error ellipse: s-maj=132.5km s-min=15.8km az=31.0.

ISC	**XII**	**09 23 23 07.6–.81**	**16.59S–.10**	**69.5W–.10**	**191–8**	**4.1b**	**21**	**1-149**	
ISCJB	XII	09 23 23 05.9–.64	16.52S–.09	69.57W–.08	195–8	4.2b			¶12076633
IDC	XII	09 23 23 07.0–.95	16.56S	69.53W	186–7	4.0b,3.7			
NEIC	XII	09 23 23 07.3–.69	16.63S	69.49W	185–5	4.3b,3.7			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=9.8km az=35.3.
IDC Error ellipse: s-maj=19.7km s-min=15.4km az=13.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.3km az=85.0.

IDC	**XII**	**16 16 13 26.1–4.2**	**14.56S**	**69.58W**	**191–74**	**3.4,3.2**			
									¶12077778

IDC Error ellipse: s-maj=188.0km s-min=41.1km az=22.0.

IDC	**XII**	**23 15 22 14.2–2.4**	**15.82S**	**69.23W**	**239–16**	**3.6,3.5b**			
									¶12078689

IDC Error ellipse: s-maj=109.5km s-min=47.9km az=19.0.

ISC	**XII**	**24 03 54 23.9–.79**	**17.51S–.06**	**69.15W–.09**	**173–7**	**4.1b**	**24**	**2-87**	
ISCJB	XII	24 03 54 23.0–.80	17.50S–.06	69.16W–.09	178–7	4.1b			¶12078767
NEIC	XII	24 03 54 23.3–.91	17.46S	69.24W	169–8	4.2b			
IDC	XII	24 03 54 24.3–1.6	17.41S	69.16W	175–9	3.9b,3.9			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.7km az=15.6.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.0km az=92.0.
IDC Error ellipse: s-maj=24.5km s-min=21.8km az=104.0.

IDC	**XII**	**28 09 18 22.4–2.7**	**17.76S**	**69.43W**	**139–19**	**3.5,3.4**			
									¶12079259

IDC Error ellipse: s-maj=40.2km s-min=27.7km az=102.0.

(120) Central Bolivia.

IDC VII 24 00 28 03.6–2.7 17.41S 66.46W 613–12 3.1,2.8 ¶12698411
IDC Error ellipse: s-maj=105.6km s-min=25.6km az=75.0.
IDC VIII 22 01 05 49.8–5.1 17.61S 68.89W 163–30 3.6b,3.5 ¶12581278
IDC Error ellipse: s-maj=80.9km s-min=32.5km az=14.0.
IDC IX 02 14 39 58.0–1.3 17.45S 64.91W 0 4.2,4.1b ¶11909282
IDC Error ellipse: s-maj=35.2km s-min=18.7km az=161.0.
ISC IX 05 12 00 22.3–2.0 16.68S–.08 67.57W–.07 4–14 3.8b,3.4s 14 1-149
ISCJB IX 05 12 00 20.9–1.9 16.66S–.08 67.53W–.07 7–13 3.8b,3.4s ¶11909524
IDC IX 05 12 00 21.2–.85 16.74S 67.59W 0 5.1L,4.2
NEIC IX 05 12 00 23.1–.61 16.69S 67.59W 10 4.0b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=11.3km az=22.8.
IDC Error ellipse: s-maj=24.1km s-min=9.0km az=37.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=11.1km az=51.0.
IDC IX 09 22 57 57.0–1.5 14.38S 65.99W 0 3.8b,3.4 ¶11909908
IDC Error ellipse: s-maj=114.8km s-min=18.0km az=140.0.
IDC XII 08 20 05 58.5–2.1 17.73S 66.19W 0 4.1L,3.8 ¶12076401
IDC Error ellipse: s-maj=69.7km s-min=15.8km az=32.0.
IDC XII 12 08 19 49.5–1.1 17.05S 65.82W 0 4.5L,4.1b ¶12077081
IDC Error ellipse: s-maj=39.9km s-min=23.8km az=24.0.
ISC XII 22 13 52 41.4–.75 17.66S–.04 68.99W–.04 145–7 4.6b 450 2-170
LDG XII 22 13 52 37.9–.38 16.93S 68.96W 110–0 4.7b,3.7s ¶11517528
ISCJB XII 22 13 52 38.7–.87 17.62S–.04 69.09W–.04 136–8 4.6b,3.7s
BJI XII 22 13 52 39.6 17.56S 69.38W 143 5.3b,3.7s
IDC XII 22 13 52 39.0–1.0 17.65S 69.15W 127–8 4.4,4.4
NEIC XII 22 13 52 40.6–.58 17.64S 69.06W 143–5 4.9b,4.4
GCMT XII 22 13 52 47.3–.30 17.89S 69.30W 152–4 5.0W,4.4
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=27.4km s-min=8.6km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.4km az=40.2.
IDC Error ellipse: s-maj=12.9km s-min=9.7km az=65.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.9km az=64.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s20,c20; s71,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.86±.15 $M_{\theta\theta}$-1.40±.17; $M_{\phi\phi}$4.27±.18; $M_{r\theta}$1.99±.11; $M_{\theta\phi}$0.29±.22; $M_{\theta r}$-0.05±.17; Best double couple: NP1:ϕ_s333.00000°,δ54.00000°,λ-135.00000°. NP2:ϕ_s213.00000°,δ55.00000°,λ-46.00000°. Principal axes: T 4.2900,Plg0.0000° ,Azm273.0000°; N -0.0200,Plg35.0000°,Azm3.0000°; P -4.2600,Plg55.0000°,Azm182.0000° M_θ4.30000×10^{16}
ISC XII 26 01 46 54.9–.85 17.85S–.08 66.23W–.06 54–14 3.5b 16 2-149
ISCJB XII 26 01 46 53.2–1.0 17.90S–.08 66.20W–.06 55–15 3.5b ¶12078980
IDC XII 26 01 46 54.4–2.4 17.88S 66.26W 44–19 4.4L,3.5
NEIC XII 26 01 46 54.2–.91 17.80S 66.24W 44–12 4.4L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=9.2km az=13.0.
IDC Error ellipse: s-maj=35.4km s-min=10.8km az=18.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=12.3km az=83.0.
ISC XII 31 01 19 52.4–.64 18.25S–.07 66.8W–.10 269–6 3.5b 26 2-150
ISCJB XII 31 01 19 51.5–.64 18.26S–.07 66.9W–.10 276–6 3.5b ¶12079622
IDC XII 31 01 19 52.2–1.6 18.16S 66.81W 264–9 3.4,3.2
NEIC XII 31 01 19 52.2–.58 18.26S 66.84W 271–7 3.7b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=10.6km az=1.2.
IDC Error ellipse: s-maj=33.7km s-min=18.3km az=28.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.0km az=104.0.

(121) Off coast of northern Chile.

ISC VIII 13 19 57 23.1–2.5 21.27S–.05 71.58W–.06 14–16 4.2b 26 2-153
IDC VIII 13 19 57 20.5–.79 21.39S 71.69W 0 4.2,4.1 ¶11908179
ISCJB VIII 13 19 57 22.3–2.1 21.27S–.05 71.66W–.06 15–14 4.2b,4.1
GUC VIII 13 19 57 24.3–.79 21.27S 71.46W 32–10 3.6L,4.1
NEIC VIII 13 19 57 25.1–.55 21.49S 71.54W 30 4.2b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=26.2km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=7.4km az=148.6.
GUC Error ellipse: s-maj=2.8km s-min=5.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=13.0km az=85.0.
ISC IX 04 19 23 16.5–.64 18.5S–.10 71.3W–.10 36 4.1b 12 4-151
ISCJB IX 04 19 23 14.2–.64 18.4S–.10 71.2W–.10 34 4.1b ¶11909482
IDC IX 04 19 23 15.4–.77 18.42S 71.19W 31–5 4.2,4.2L
NEIC IX 04 19 23 15.8–.55 18.48S 71.32W 34 4.2b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=15.6km az=175.1.
IDC Error ellipse: s-maj=24.7km s-min=17.3km az=78.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=14.4km az=132.0.
GUC XI 26 08 20 12.3–.93 23.41S 71.02W 35–6 4.2L ¶14125929
GUC Error ellipse: s-maj=3.4km s-min=8.5km az=-1.0.
ISC XII 10 07 30 56.3–1.4 23.54S–.05 71.07W–.07 8–8 4.0b 26 1-148
ISCJB XII 10 07 30 55.5–1.4 23.56S–.05 71.10W–.06 14–10 4.0b ¶12076686
GUC XII 10 07 30 57.9–.44 23.29S 71.12W 1–8 4.1L
IDC XII 10 07 31 04.9–11 23.20S 70.79W 61–83 3.8,3.8L
NEIC XII 10 07 31 04.3–.91 23.22S 70.85W 60–9 3.8,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=7.5km az=40.9.
GUC Error ellipse: s-maj=6.0km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=105.6km s-min=48.6km az=11.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=9.8km az=87.0.

(122) Near coast of northern Chile.

ISC VII 04 21 37 16.3–1.7 19.47S–.05 70.72W–.08 25–10 4.1b 22 1-145
ISCJB VII 04 21 37 16.4–1.5 19.44S–.06 70.66W–.10 43–12 4.1b ¶11810646
GUC VII 04 21 37 17.3–.63 19.58S 70.67W 41–4 4.2,4.0L
IDC VII 04 21 37 17.8–5.5 19.60S 70.70W 32–37 4.0,4.0b
NEIC VII 04 21 37 21.3–2.7 19.51S 70.45W 66–21 3.9b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=8.3km az=22.8.
GUC Error ellipse: s-maj=4.2km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=40.3km s-min=27.8km az=105.0.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=13.8km az=80.0.
GUC VII 08 14 47 04.5–1.2 21.87S 70.31W 50–38 3.7L ¶13596520
GUC Error ellipse: s-maj=6.4km s-min=19.1km az=-1.0.
ISC VII 09 06 00 51.8–1.3 19.64S–.04 70.83W–.04 10–8 4.4b,4.0s 56 1-152
IDC VII 09 06 00 49.8–.75 19.69S 70.90W 0 4.3,4.3 ¶11479914
ISCJB VII 09 06 00 52.1–1.2 19.58S–.05 70.84W–.05 25–8 4.4b,4.0s
GUC VII 09 06 00 53.3–.71 19.58S 70.78W 38–5 4.4L,4.0s
NEIC VII 09 06 01 01.6–.94 19.56S 70.31W 100–10 4.4b,4.0s
BJI VII 09 06 01 04.6 19.60S 70.30W 99 4.4b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=17.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.8km az=137.2.
GUC Error ellipse: s-maj=4.0km s-min=6.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.7km az=70.0.
ISC VII 09 08 01 33.1–1.3 19.59S–.04 70.86W–.05 10–7 21 1-145
IDC VII 09 08 01 32.3–1.7 19.71S 70.87W 0 4.0L,4.0b ¶11811060
ISCJB VII 09 08 01 33.2–1.2 19.58S–.04 70.89W–.06 25–9 4.0L,4.0b
NEIC VII 09 08 01 33.8–.86 19.68S 70.86W 10 4.0L,4.0b
GUC VII 09 08 01 34.5–.63 19.57S 70.81W 41–4 4.0L,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=50.1km s-min=18.5km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.9km az=153.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.2km az=73.0.
GUC Error ellipse: s-maj=3.6km s-min=5.7km az=-1.0.
IDC VII 09 08 06 42.6–3.0 20.17S 70.47W 0 3.7L,3.6 ¶12698095
IDC Error ellipse: s-maj=55.9km s-min=28.7km az=108.0.
GUC VII 09 08 21 57.7–.45 19.59S 70.80W 33–4 3.7L ¶13596554
GUC Error ellipse: s-maj=2.7km s-min=4.0km az=-1.0.
ISC VII 09 08 25 56.0–1.9 19.58S–.05 70.97W–.09 1–8 14 1-145
IDC VII 09 08 25 57.2–2.6 19.66S 70.86W 0 4.1L,3.9 ¶12698096
GUC VII 09 08 26 00.3–.50 19.58S 70.81W 34–4 4.1L,3.9
IDC Error ellipse: s-maj=50.8km s-min=27.7km az=126.0.
GUC Error ellipse: s-maj=3.0km s-min=4.4km az=-1.0.
IDC VII 09 10 08 10.8–3.2 20.13S 70.50W 0 3.5b,3.5 ¶12698097
IDC Error ellipse: s-maj=134.2km s-min=28.4km az=114.0.
ISC VII 09 19 58 40.7–.50 23.05S–.03 70.10W–.06 46–5 4.5b,3.8s 73 0-176
ISCJB VII 09 19 58 39.0–.55 23.01S–.04 70.03W–.06 47–5 4.5b,3.8s ¶11108438
NEIC VII 09 19 58 40.3–.71 23.07S 70.11W 44–7 4.6b,3.8s
GUC VII 09 19 58 40.8–.67 22.95S 70.10W 35–14 4.8L,3.8s
IDC VII 09 19 58 40.4–.55 23.01S 70.08W 42–4 4.4L,4.3
BJI VII 09 19 58 42.3 23.10S 70.10W 44 5.6s,5.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=5.8km az=11.1.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=6.5km az=81.0. Felt [III] at Mejillones and Tocopilla; [II] at Maria Elena.
GUC Error ellipse: s-maj=3.5km s-min=30.1km az=-1.0.
IDC Error ellipse: s-maj=18.9km s-min=13.8km az=60.0.
ISC VII 12 04 02 28.0–1.4 19.95S–.06 70.74W–.08 10 10 1-152
IDC VII 12 04 02 26.9–1.6 20.65S 70.15W 0 4.3b,4.1 ¶12698152
GUC VII 12 04 02 31.8–.67 19.92S 70.55W 38–9 3.7L,4.1
IDC Error ellipse: s-maj=76.5km s-min=36.1km az=115.0.
GUC Error ellipse: s-maj=2.7km s-min=9.3km az=-1.0.
ISC VII 14 02 07 42.9–.57 23.10S–.03 70.49W–.07 33–3 4.1b,3.6s 41 0-155
ISCJB VII 14 02 07 42.0–.48 23.10S–.03 70.45W–.08 41–4 4.1b,3.6s ¶11811530
IDC VII 14 02 07 43.0–.60 23.06S 70.49W 32–3 4.3L,4.2
NEIC VII 14 02 07 42.1 23.05S 70.39W 35 4.5,4.2b
GUC VII 14 02 07 42.1–.65 23.05S 70.39W 35–2 4.7L,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=5.0km az=11.0.
IDC Error ellipse: s-maj=23.2km s-min=17.2km az=57.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.9km s-min=5.6km az=-1.0.
ISC VII 15 19 17 44.5–.69 22.60S–.03 70.15W–.03 34–4 4.8b,4.1s 455 1-175
IDC VII 15 19 17 39.2–.48 22.44S 70.28W 0 4.7,4.7 ¶11126431
ISCJB VII 15 19 17 40.8–.93 22.47S–.03 70.13W–.04 19–7 4.8b,4.1s
NEIC VII 15 19 17 42.8–1.5 22.54S 70.23W 25–10 4.9b,4.9L
LDG VII 15 19 17 42.4–.30 21.56S 70.14W 10–0 4.9b,4.0s
BJI VII 15 19 17 43.7 22.50S 70.20W 25 5.2s,5.0b
GUC VII 15 19 17 44.2–.56 22.59S 70.09W 25–4 4.9L,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=21.2km s-min=14.6km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=5.2km az=43.2.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.5km az=58.0. Felt [III] at Mejillones and Tocopilla; [II] at Maria Elena.
LDG Event type ke. Error ellipse: s-maj=26.5km s-min=9.3km az=171.0.
GUC Error ellipse: s-maj=1.7km s-min=5.1km az=-1.0.
GUC VII 15 23 04 26.2–.74 22.42S 70.30W 37–2 3.7,3.1L ¶13596781
GUC Error ellipse: s-maj=2.3km s-min=5.5km az=-1.0.
ISC VII 19 20 55 29.5–1.3 25.79S–.07 70.3W–.20 55–13 4.2b 11 3-150
ISCJB VII 19 20 55 27.0–1.5 25.70S–.07 70.4W–.20 51–16 4.2b ¶11812106
NEIC VII 19 20 55 29.1–1.2 25.78S 70.26W 52–11 4.2b
IDC VII 19 20 55 30.2–.83 25.85S 70.31W 62–6 3.9b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.5km s-min=11.5km az=179.9.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=10.0km az=95.0.
IDC Error ellipse: s-maj=38.6km s-min=21.0km az=81.0.
GUC VII 21 04 14 27.9–.72 22.94S 70.33W 34–5 3.6,2.4L ¶13597010
GUC Error ellipse: s-maj=2.2km s-min=12.9km az=-1.0.
GUC VII 21 22 01 26.5–.89 23.15S 70.40W 41–5 3.7,3.0L ¶13597016
GUC Error ellipse: s-maj=2.3km s-min=11.6km az=-1.0.
GUC VII 22 10 28 24.3–.71 22.06S 70.24W 47–2 3.6,3.1L ¶13597050
GUC Error ellipse: s-maj=2.2km s-min=8.5km az=-1.0.
ISC VII 25 11 09 24.1–.38 26.69S–.04 70.63W–.09 35 4.1b 37 2-151
IDC VII 25 11 09 18.0–.78 26.78S 70.85W 0 4.1,4.1b ¶11812585
GUC VII 25 11 09 19.8–.50 26.65S 70.87W 47–999 4.7L,4.1b
ISCJB VII 25 11 09 21.7–.37 26.64S–.03 70.54W–.09 33 4.1b,4.1b
NEIC VII 25 11 09 23.5–.39 26.72S 70.64W 35 4.1b,4.1b
ISC Event type fe.
IDC Error ellipse: s-maj=28.3km s-min=25.2km az=42.0.
GUC Error ellipse: s-maj=10.3km s-min=158.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=4.7km az=175.2.
NEIC Event type fe. Error ellipse: s-maj=13.7km s-min=7.8km az=85.0. Felt [III] at Caldera and Copiapo; [II] at Chanaral and Tierra Amarilla.
GUC VII 26 09 41 41.9–.87 22.76S 70.41W 33–3 3.5L ¶13597190
GUC Error ellipse: s-maj=3.3km s-min=15.2km az=-1.0.
IDC VII 27 02 02 38.6–1.1 27.70S 71.92W 0 4.1,4.0L ¶12698448
IDC Error ellipse: s-maj=81.9km s-min=29.4km az=91.0.
GUC VII 28 01 04 42.8–2.4 22.31S 70.21W 38–7 3.6,2.4L ¶13597233
GUC Error ellipse: s-maj=14.9km s-min=16.4km az=-1.0.
GUC VII 29 19 15 28.5–1.0 22.53S 70.21W 42–3 3.7,2.8L ¶13597255
GUC Error ellipse: s-maj=5.9km s-min=8.3km az=-1.0.
GUC VII 31 00 03 36.6–.96 19.54S 70.06W 27–3 4.2L
NEIC VII 31 00 03 36.6 19.54S 70.06W 27 4.2L,3.9b ¶12951791
GUC Error ellipse: s-maj=2.8km s-min=5.5km az=-1.0.
NEIC Event type fe. Felt [III] at Pisagua and [II] at Alto Hospicio, Iquique and Pozo Almonte. After GUC.
GUC VII 31 05 18 54.9–.89 23.03S 70.18W 35–8 3.8,2.6L ¶13597310
GUC Error ellipse: s-maj=6.5km s-min=21.9km az=-1.0.
GUC VIII 03 15 49 28.7–.55 23.16S 70.96W 28–18 4.0,2.9L ¶13808566
GUC Error ellipse: s-maj=1.9km s-min=10.2km az=-1.0.
GUC VIII 03 23 23 39.2–.47 23.44S 70.25W 33–5 3.6,2.5L ¶13808568
GUC Error ellipse: s-maj=4.0km s-min=9.3km az=-1.0.
ISC VIII 08 15 14 45.1–.83 22.59S–.06 70.4W–.10 50–11 5.0s 16 1-147
IDC VIII 08 15 14 38.4–3.0 23.09S 69.93W 0 4.9s,4.9 ¶12580985
ISCJB VIII 08 15 14 44.5–.83 22.57S–.05 70.4W–.10 54–11 5.0s,4.9
GUC VIII 08 15 14 44.8–.60 22.60S 70.26W 44–2 4.2,4.0L
IDC Error ellipse: s-maj=119.9km s-min=36.3km az=99.0.
ISCJB Error ellipse: s-maj=21.4km s-min=7.0km az=15.5.
GUC Error ellipse: s-maj=2.5km s-min=5.1km az=-1.0.
ISC VIII 09 13 30 29.4–1.5 20.33S–.04 70.90W–.08 4–10 4.0b 17 1-152
ISCJB VIII 09 13 30 25.8–1.4 20.33S–.05 70.97W–.08 5–10 4.0b ¶12580994
IDC VIII 09 13 30 29.2–1.7 20.94S 70.50W 0 4.1,4.0b
GUC VIII 09 13 30 36.9–.80 20.12S 70.54W 42–2 4.1,3.8L
ISCJB Error ellipse: s-maj=12.4km s-min=8.6km az=6.9.
IDC Error ellipse: s-maj=54.5km s-min=37.6km az=136.0.
GUC Error ellipse: s-maj=2.5km s-min=7.4km az=-1.0.
ISC VIII 14 22 24 06.8–1.9 19.76S–.04 70.96W–.08 2–11 4.9b 20 3-152
ISCJB VIII 14 22 24 05.6–.56 19.77S–.04 70.88W–.07 10 4.9b ¶11908225
IDC VIII 14 22 24 06.6–1.9 19.79S 70.86W 0 4.2b,4.2
NEIC VIII 14 22 24 08.0–.45 19.81S 71.01W 10 4.3b,4.2
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.3km az=8.6.
IDC Error ellipse: s-maj=44.9km s-min=27.5km az=138.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.8km az=70.0.
GUC VIII 16 10 46 40.1–1.0 22.48S 70.40W 36–5 4.0,3.1L
¶13827445

GUC Error ellipse: s-maj=6.5km s-min=16.8km az=-1.0.
ISC VIII 17 21 23 09.3–.48 21.08S–.02 70.32W–.06 47–5 4.8b 419 1-174
ISCJB VIII 17 21 23 08.6–.48 21.08S–.02 70.38W–.06 56–5 4.8b **¶11167642**
IDC VIII 17 21 23 09.6–.56 20.98S 70.31W 51–5 4.4,4.3
NEIC VIII 17 21 23 10.1 20.97S 70.34W 65 4.9b,4.3
GUC VIII 17 21 23 10.1–.38 20.97S 70.34W 65–7 4.8L,4.3
BJI VIII 17 21 23 11.1 21.00S 70.30W 64 5.3b,5.2s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=4.1km az=177.8.
IDC Error ellipse: s-maj=22.0km s-min=14.0km az=82.0.
NEIC Event type fe. Felt [II] at Iquique and Tocopilla. After GUC.
GUC Error ellipse: s-maj=2.2km s-min=5.4km az=-1.0.
ISC VIII 19 03 30 06.0–1.8 20.15S–.05 70.59W–.09 28–13 4.2b,3.4s 23 1-152
IDC VIII 19 03 30 01.4–.96 20.19S 70.53W 0 4.4,4.4b **¶11908421**
ISCJB VIII 19 03 30 05.9–1.1 20.13S–.05 70.6W–.10 44–11 4.2b,3.4s
GUC VIII 19 03 30 05.2–.81 20.10S 70.63W 43–8 3.9L,3.4s
NEIC VIII 19 03 30 07.3–1.1 20.24S 70.59W 40–11 4.1b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=30.0km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=8.3km az=167.0.
GUC Error ellipse: s-maj=7.3km s-min=10.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.2km az=79.0.
GUC VIII 19 14 04 37.4–.47 21.73S 70.25W 7–4 3.8L
¶13827611

GUC Error ellipse: s-maj=1.1km s-min=3.8km az=-1.0.
GUC VIII 20 05 54 20.0–.64 22.97S 70.13W 46–3 3.5,2.5L
¶13827668

GUC Error ellipse: s-maj=2.1km s-min=5.5km az=-1.0.
GUC VIII 20 14 45 32.0–.81 23.00S 70.16W 51–14 3.9,3.0L
¶13827671

GUC Error ellipse: s-maj=5.5km s-min=14.2km az=-1.0.
IDC VIII 22 15 28 28.6–3.8 21.16S 70.26W 0 4.0b,4.0
¶12581295

IDC Error ellipse: s-maj=140.1km s-min=45.6km az=102.0.
ISC IX 05 05 12 13.2–.58 26.70S–.03 70.57W–.07 41–5 4.7b,4.0s 484 2-178
ISCJB IX 05 05 12 11.0–.69 26.68S–.03 70.65W–.07 36–6 4.7b,4.0s **¶11232750**
NEIC IX 05 05 12 12.1 26.70S 70.67W 47 4.7b,4.0s
GUC IX 05 05 12 12.1–1.2 26.70S 70.67W 47–13 4.9L,4.0s
BJI IX 05 05 12 13.1 26.70S 70.70W 47 4.9s,4.9
IDC IX 05 05 12 14.4–.46 26.74S 70.73W 56–3 4.6,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=4.4km az=171.9.
NEIC Event type fe. Felt at Copiapo. After GUC.
GUC Error ellipse: s-maj=4.9km s-min=78.7km az=-1.0.
IDC Error ellipse: s-maj=18.7km s-min=10.7km az=69.0.
GUC IX 05 12 08 55.4–.98 22.27S 70.08W 68–7 3.6L
¶13845004

GUC Error ellipse: s-maj=5.1km s-min=7.2km az=-1.0.
GUC IX 13 07 18 39.2–.84 23.23S 70.82W 46–5 4.3,4.2L
¶13845156

GUC Error ellipse: s-maj=10.4km s-min=9.1km az=-1.0.
IDC IX 14 12 52 28.5–5.2 21.40S 70.55W 40–47 3.7L,3.7
¶11910261

IDC Error ellipse: s-maj=43.3km s-min=30.5km az=81.0.
GUC IX 17 18 42 34.9–.90 22.45S 70.44W 32–6 3.8L
¶13845232

GUC Error ellipse: s-maj=3.1km s-min=6.7km az=-1.0.
ISC IX 24 08 35 53.0–1.3 24.41S–.05 70.1W–.10 25–13 19 1-145
IDC IX 24 08 35 45.1–1.4 24.23S 71.04W 0 3.5,3.4L **¶11910926**
NEIC IX 24 08 35 52.5 24.41S 70.05W 45 4.1,3.4L
GUC IX 24 08 35 52.5–.58 24.41S 70.05W 45–2 4.1,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=84.8km s-min=28.6km az=88.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=4.5km s-min=3.8km az=-1.0.
GUC IX 24 11 23 07.5–1.1 22.04S 70.44W 30–18 3.7,3.3L
¶13845396

GUC Error ellipse: s-maj=8.6km s-min=25.6km az=-1.0.
ISC IX 25 02 04 59.5–.36 22.50S–.03 70.08W–.06 80–3 4.0b 44 0-155
ISCJB IX 25 02 04 58.5–.37 22.49S–.03 70.10W–.06 87–3 4.0b **¶11910980**
GUC IX 25 02 04 59.9–.64 22.51S 69.95W 70–5 4.7L
IDC IX 25 02 04 59.5–.60 22.55S 69.94W 79–4 4.0,3.9
NEIC IX 25 02 04 59.9 22.51S 69.95W 70 4.6b,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=5.0km az=5.2.
GUC Error ellipse: s-maj=2.3km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=18.5km s-min=13.0km az=81.0.
NEIC Event type fe. Felt [II] at Maria Elena and Tocopilla. After GUC.
GUC X 08 10 31 25.2–.49 22.19S 70.29W 44–2 3.5,2.9L
¶13932320

GUC Error ellipse: s-maj=2.0km s-min=4.2km az=-1.0.
ISC X 13 03 27 16.4–1.5 23.00S–.08 70.5W–.30 48–7 16 0-148
IDC X 13 03 27 09.2–4.0 23.33S 70.55W 0 4.4b,4.3 **¶12068522**
ISCJB X 13 03 27 14.7–1.7 22.99S–.08 70.6W–.30 55–8 4.4b,4.3
NEIC X 13 03 27 15.6 22.91S 70.49W 46 4.0,4.3
GUC X 13 03 27 15.6–.83 22.91S 70.49W 46–5 4.0L,4.3
ISC Event type se.
IDC Error ellipse: s-maj=127.8km s-min=60.9km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=41.2km s-min=7.9km az=14.2.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=3.2km s-min=10.4km az=-1.0.
ISC X 15 12 27 23.7–1.6 19.55S–.08 70.6W–.20 81–16 3.6b 20 4-152
ISCJB X 15 12 27 21.9–1.9 19.57S–.08 70.6W–.20 82–18 3.6b **¶12068680**
NEIC X 15 12 27 23.1–1.5 19.58S 70.57W 77–14 4.0b
IDC X 15 12 27 23.7–3.5 19.50S 70.58W 81–30 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=13.6km az=0.9.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=10.8km az=92.0.
IDC Error ellipse: s-maj=32.9km s-min=16.9km az=78.0.
GUC X 15 23 21 14.2–.60 27.60S 71.10W 41–6 3.6L
NEIC X 15 23 21 14.2 27.60S 71.10W 41 3.6 **¶13397204**
GUC Error ellipse: s-maj=2.3km s-min=6.3km az=-1.0.
NEIC Event type se. After GUC.
GUC X 22 03 10 42.0–.67 23.20S 70.24W 72–5 3.6,3.5L
¶13932569

GUC Error ellipse: s-maj=2.8km s-min=4.0km az=-1.0.
ISC X 27 08 54 08.7–1.2 20.80S–.03 70.23W–.07 33–9 4.2b,3.4s 53 1-164
GUC X 27 08 54 08.7–.93 20.82S 70.27W 28–8 4.9L,3.4s **¶11370108**
IDC X 27 08 54 08.4–.57 20.88S 69.89W 38–4 4.8L,4.0
NEIC X 27 08 54 08.0 20.82S 70.27W 28 4.9L,4.4b
ISC Event type fe.
GUC Error ellipse: s-maj=2.1km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=28.8km s-min=17.0km az=73.0.
NEIC Event type fe. Felt [II] at Alto Hospicio and Iquique. After GUC.
ISC X 30 01 32 40.1–.67 24.06S–.02 70.35W–.04 25–4 5.2b,5.1s 758 0-176
ISCJB X 30 01 32 39.1–.64 24.07S–.02 70.42W–.04 31–4 5.2b,5.1s **¶11379079**
GUC X 30 01 32 40.4–.76 24.03S 70.11W 18–6 5.7L,5.1s
MOS X 30 01 32 40.4–1.0 23.74S 70.34W 33 5.5b,5.1s
NEIC X 30 01 32 40.0 24.03S 70.11W 18 5.7L,5.3b
BJI X 30 01 32 42.1 24.00S 70.30W 27 5.7s,5.5
IDC X 30 01 32 42.2–2.1 24.01S 70.32W 43–19 4.9,4.9
GCMT X 30 01 32 47.0–.20 23.86S 70.89W 41–0 5.3W,4.9
DJA X 30 01 32 47 25.22S 69.49W 20 5.4b,4.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.5km az=169.1.
GUC Error ellipse: s-maj=3.5km s-min=6.2km az=-1.0.

MOS Error ellipse: s-maj=12.7km s-min=7.1km az=110.4.
NEIC Event type fe. Felt [IV] at Antofagasta and Sierra Gorda; [III] at Mejillones; [II] at Calama, El Salvador, Taltal and Tocopilla. After GUC. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s37.00000°,δ34.00000°,λ110.00000°. NP2:ϕ_s194.00000°,δ58.00000°,λ77.00000°. Principal axes: T 0.9500,Plg73.0000°,Azm68.0000°; N 0.3900,Plg11.0000°,Azm200.0000° ; P -1.3400,Plg12.0000°,Azm293.0000° $M_0$1.20000×10^{17}
IDC Error ellipse: s-maj=20.0km s-min=11.5km az=73.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 80, comp=131, per= 50. Moment Tensor Solution. s67,c108; s6,c6; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s10.00000°,δ30.00000° ,λ85.00000°. NP2:ϕ_s196.00000°,δ60.00000°,λ93.00000°. Principal axes: T 0.9500,Plg75.0000°,Azm115.0000°; N 0.2600,Plg3.0000°,Azm15.0000° ; P -1.2100,Plg15.0000°,Azm284.0000° $M_0$1.10000×10^{17}
IDC X 31 23 57 30.7–2.3 20.66S 70.15W 0 4.0b,3.9
¶12071793

IDC Error ellipse: s-maj=86.7km s-min=25.4km az=108.0.
IDC XI 04 04 02 52.6–3.9 20.81S 70.06W 0 3.8,3.7
¶12072211

IDC Error ellipse: s-maj=133.9km s-min=44.6km az=101.0.
ISC XI 04 10 32 00.8–.34 27.83S–.02 71.05W–.06 28 4.4b,3.9s 75 1-175
ISCJB XI 04 10 31 58.6–.36 27.82S–.02 71.21W–.06 26 4.4b,3.9s **¶11392436**
BJI XI 04 10 31 58.9 27.80S 71.00W 13 5.3b,3.9s
GUC XI 04 10 32 00.0–1.1 27.85S 71.12W 35–7 4.7L,3.9s
NEIC XI 04 10 32 00.0 27.85S 71.12W 35 4.7L,4.6b
IDC XI 04 10 32 01.1–.44 27.87S 70.93W 28–2 4.3L,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.3km az=4.6.
GUC Error ellipse: s-maj=2.7km s-min=10.0km az=-1.0.
NEIC Event type fe. Felt [III] at Caldera, Copiapo, Freirina, Tierra Amarilla and Vallenar; [II] at Chanaral, Diego de Almagro, El Salvador and Huasco. After GUC.
IDC Error ellipse: s-maj=18.8km s-min=12.7km az=74.0.
ISC XI 05 00 06 49.5–1.4 27.81S–.03 71.1W–.10 22–10 4.0b 25 1-152
IDC XI 05 00 06 45.9–2.6 27.76S 70.91W 0 4.2b,4.0 **¶12072315**
ISCJB XI 05 00 06 49.8–1.3 27.81S–.04 71.0W–.10 33–9 4.0b,4.0
GUC XI 05 00 06 49.6–1.0 27.86S 71.10W 15–6 4.3L,4.0
NEIC XI 05 00 06 49.6 27.86S 71.10W 15 4.3L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=83.8km s-min=63.1km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=6.3km az=4.7.
GUC Error ellipse: s-maj=2.4km s-min=7.3km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 09 12 19 34.8–.47 27.12S 70.42W 63–3 3.8L
¶14119953

GUC Error ellipse: s-maj=2.7km s-min=4.3km az=-1.0.
GUC XI 13 03 11 55.3–.76 27.56S 70.60W 50–15 2.9L
NEIC XI 13 03 11 55.3 27.56S 70.60W 50 2.9 **¶13399975**
GUC Error ellipse: s-maj=4.5km s-min=10.9km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 13 21 20 15.9–.77 27.74S 71.29W 44–5 3.7L
NEIC XI 13 21 20 15.9 27.74S 71.29W 44 3.7 **¶13400086**
GUC Error ellipse: s-maj=3.0km s-min=8.9km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 15 22 36 55.9–.82 23.00S 70.17W 55–16 3.6L
¶14122120

GUC Error ellipse: s-maj=4.8km s-min=17.6km az=-1.0.
GUC XI 21 08 38 50.6–.73 22.09S 70.12W 60–4 3.8L
¶14124014

GUC Error ellipse: s-maj=3.4km s-min=4.5km az=-1.0.
ISC XI 27 18 57 47.1–.41 23.46S–.04 70.91W–.07 10 4.3b 50 2-156
GUC XI 27 18 57 41.4–.97 23.55S 71.31W 25–5 5.0L **¶12075063**
ISCJB XI 27 18 57 45.0–.42 23.47S–.04 71.05W–.07 10 4.3b
NEIC XI 27 18 57 48.7–3.2 23.45S 70.73W 22–22 4.6b
IDC XI 27 18 57 50.1–.76 23.41S 70.64W 28–5 4.1b,4.1
ISC Event type se.
GUC Error ellipse: s-maj=15.1km s-min=14.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=4.8km az=23.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=10.0km az=86.0.
IDC Error ellipse: s-maj=24.3km s-min=17.4km az=62.0.
GUC XI 28 17 00 19.5–.55 27.45S 71.86W 36–4 3.8,3.5L
¶14126537

GUC Error ellipse: s-maj=2.5km s-min=4.3km az=-1.0.
ISC XI 30 09 50 44.5–1.3 23.09S–.06 70.6W–.20 38–7 4.1b 19 0-148
GUC XI 30 09 50 43.9–.61 23.06S 70.48W 45–1 4.1L **¶12075322**
IDC XI 30 09 50 52.2–4.4 23.53S 69.88W 83–38 3.7s,3.7
GUC Error ellipse: s-maj=2.0km s-min=9.1km az=-1.0.
IDC Error ellipse: s-maj=35.4km s-min=23.9km az=76.0.
GUC XII 04 05 33 58.6–.96 22.77S 70.47W 36–3 3.7L
¶14238807

GUC Error ellipse: s-maj=3.1km s-min=6.2km az=-1.0.
ISC XII 04 18 50 31.4–2.0 27.50S–.06 71.2W–.20 24–14 4.2b 24 1-152
IDC XII 04 18 50 26.7–1.0 27.47S 71.51W 0 4.2b,3.9L **¶12075775**
ISCJB XII 04 18 50 31.3–1.5 27.48S–.05 71.2W–.20 41–10 4.2b,3.9L
GUC XII 04 18 50 31.9–.33 27.52S 70.71W 42–2 4.3L,3.9L
NEIC XII 04 18 50 31.9–.77 27.51S 71.42W 35 4.3L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=26.9km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=27.4km s-min=6.9km az=11.4.
GUC Error ellipse: s-maj=1.8km s-min=18.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=12.9km az=69.0.
GUC XII 05 18 09 02.9–.79 27.65S 71.06W 43–5 3.6L
¶14238844

GUC Error ellipse: s-maj=2.5km s-min=10.2km az=-1.0.
ISC XII 06 10 27 41.8–.98 27.74S–.04 71.1W–.10 36–9 3.9b 30 1-152
IDC XII 06 10 27 36.3–.96 27.84S 71.00W 0 4.0b,4.0 **¶12076013**
ISCJB XII 06 10 27 40.6–.92 27.74S–.04 71.2W–.10 46–8 3.9b,4.0
GUC XII 06 10 27 41.1–.79 27.77S 71.03W 46–4 4.6L,4.0
NEIC XII 06 10 27 41.6–.68 27.71S 71.12W 35 4.6L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=29.0km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=5.6km az=7.4.
GUC Error ellipse: s-maj=2.1km s-min=6.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=30.1km s-min=10.9km az=70.0.
ISC XII 16 21 19 10.5–1.1 24.83S–.04 70.6W–.10 47–10 4.2b 31 4-149
ISCJB XII 16 21 19 06.0–3.2 24.84S–.04 70.6W–.10 26–23 4.2b **¶12077807**
NEIC XII 16 21 19 08.7–.37 24.98S 70.64W 35 4.1b
IDC XII 16 21 19 09.7–.74 24.86S 70.57W 36–5 4.2b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=6.9km az=1.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.5km az=92.0.
IDC Error ellipse: s-maj=29.3km s-min=22.2km az=106.0.
GUC XII 17 07 51 54.4–1.1 22.24S 70.03W 47–4 3.7,3.5L
¶14239002

GUC Error ellipse: s-maj=10.4km s-min=10.0km az=-1.0.
IDC XII 20 06 30 19.9–2.4 20.60S 70.72W 0 4.3b,3.9
¶12078292

IDC Error ellipse: s-maj=53.7km s-min=45.0km az=131.0.
GUC XII 20 13 31 35.9–.64 22.75S 70.24W 38–7 3.6L
¶14239077

GUC Error ellipse: s-maj=4.1km s-min=8.5km az=-1.0.

(123) Northern Chile.

GUC VII 01 09 57 35.0–.50 20.19S 69.25W 103–4 3.5L
¶13596284

GUC Error ellipse: s-maj=1.5km s-min=6.8km az=-1.0.
GUC VII 01 11 52 41.3–.56 19.38S 69.32W 98–5 3.6L
¶13596287

GUC Error ellipse: s-maj=2.5km s-min=5.8km az=-1.0.
ISC VII 02 17 11 16.7–.39 18.91S–.04 69.31W–.04 99–4 4.4b 351 0-172
ISCJB VII 02 17 11 15.0–.43 18.83S–.04 69.33W–.04 98–4 4.4b **¶11006860**
NEIC VII 02 17 11 16.2–.32 19.02S 69.39W 105 4.5b

BJI VII 02 17 11 17.2 19.00S 69.40W 104 4.8b
IDC VII 02 17 11 17.7–.57 18.84S 69.30W 111–4 4.2,4.2
GUC VII 02 17 11 17.5–.41 19.03S 69.50W 104–2 4.8L,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=6.3km az=40.3.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=6.9km az=46.0. Felt [II] at Arica, Camina, Huara, Pozo Almonte and Putre.
IDC Error ellipse: s-maj=16.3km s-min=12.0km az=47.0.
GUC Error ellipse: s-maj=2.3km s-min=4.5km az=-1.0.
GUC VII 04 01 30 46.2–1.2 22.10S 68.92W 135–16 3.5L
¶13596375

GUC Error ellipse: s-maj=5.1km s-min=20.0km az=-1.0.
ISC VII 04 23 13 35.3–.60 19.47S–.05 69.4W–.10 118–7 3.8b 18 0-89
ISCJB VII 04 23 13 34.4–.60 19.47S–.05 69.3W–.10 120–7 3.8b **¶12698015**
GUC VII 04 23 13 35.2–.89 19.57S 69.49W 122–6 3.9,3.6L
IDC VII 04 23 13 39.6–7.2 19.30S 68.83W 142–46 3.7b,3.7
ISCJB Error ellipse: s-maj=20.6km s-min=7.0km az=8.4.
GUC Error ellipse: s-maj=4.8km s-min=12.3km az=-1.0.
IDC Error ellipse: s-maj=77.2km s-min=34.4km az=37.0.
ISC VII 08 00 21 00.0–.54 20.39S–.03 69.06W–.05 40–13 27 1-35
GUC VII 08 00 20 57.3–.57 20.42S 69.47W 94–4 3.8L **¶11810950**
ISCJB VII 08 00 20 58.4–.55 20.37S–.03 68.99W–.06 50–11 3.8L
IDC VII 08 00 21 01.5–4.5 20.55S 68.87W 65–96 4.0L,3.8
NEIC VII 08 00 21 01.0–.93 20.43S 68.86W 58–15 3.6b,3.8
ISC Event type se.
GUC Error ellipse: s-maj=1.5km s-min=7.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.4km az=7.7.
IDC Error ellipse: s-maj=41.0km s-min=25.8km az=64.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.2km az=81.0.
GUC VII 08 10 51 59.3–.79 23.02S 69.95W 32–6 3.7L
¶13596519

GUC Error ellipse: s-maj=1.9km s-min=7.6km az=-1.0.
ISC VII 08 12 53 17.6–.42 19.46S–.03 69.42W–.07 86–4 4.0b 28 0-151
ISCJB VII 08 12 53 16.4–.43 19.45S–.03 69.42W–.07 93–4 4.0b **¶11810987**
GUC VII 08 12 53 17.8–.42 19.51S 69.54W 86–3 4.5L
NEIC VII 08 12 53 17.0 19.51S 69.54W 86 4.5
IDC VII 08 12 53 17.7–3.3 19.44S 69.34W 89–31 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.5km az=176.2.
GUC Error ellipse: s-maj=1.8km s-min=3.7km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=28.7km s-min=22.7km az=96.0.
GUC VII 09 01 13 18.0–.45 22.30S 68.57W 115–15 3.5L
¶13596549

GUC Error ellipse: s-maj=4.5km s-min=12.4km az=-1.0.
GUC VII 10 12 34 58.7–.31 22.86S 68.98W 130–0 3.5L
¶13596589

GUC Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0.
GUC VII 10 19 36 18.4–.79 22.54S 68.74W 116–16 3.5L
¶13596591

GUC Error ellipse: s-maj=3.9km s-min=15.5km az=-1.0.
GUC VII 10 22 03 27.7–.51 20.26S 69.44W 100–3 4.2L
¶13596593

GUC Error ellipse: s-maj=1.4km s-min=6.5km az=-1.0.
GUC VII 11 16 42 37.7–.27 19.22S 69.32W 117–2 3.7L
¶13596627

GUC Error ellipse: s-maj=1.4km s-min=4.0km az=-1.0.
ISC VII 15 11 59 24.0–.53 23.06S–.04 68.53W–.06 87–8 3.7b 34 1-147
ISCJB VII 15 11 59 23.1–.61 23.03S–.04 68.51W–.07 95–8 3.7b **¶11811650**
GUC VII 15 11 59 24.3–.90 22.79S 69.38W 177–8 4.6L
IDC VII 15 11 59 24.8–.77 23.13S 68.54W 98–6 3.9,3.8
NEIC VII 15 11 59 24.3 22.79S 69.38W 177 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.4km az=4.5.
GUC Error ellipse: s-maj=5.1km s-min=17.2km az=-1.0.
IDC Error ellipse: s-maj=23.9km s-min=16.0km az=81.0.
NEIC Event type se. After GUC.
GUC VII 16 09 02 09.0–.74 22.92S 69.01W 80–0 4.0L
¶13596813

GUC Error ellipse: s-maj=3.2km s-min=5.3km az=-1.0.
ISC VII 19 03 21 58.2–.58 18.30S–.05 69.51W–.10 123–6 4.0b 25 1-150
IDC VII 19 03 21 55.9–2.0 18.34S 69.68W 97–20 3.7,3.6b **¶11812012**
NEIC VII 19 03 21 56.6–1.1 18.30S 69.68W 107–12 4.0b,3.6b
ISCJB VII 19 03 21 57.1–.58 18.28S–.05 69.54W–.10 127–6 4.0b,3.6b
GUC VII 19 03 21 58.0–.54 18.26S 69.37W 90–0 3.8L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=16.3km az=95.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=10.6km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=6.8km az=17.1.
GUC Error ellipse: s-maj=4.7km s-min=7.2km az=-1.0.
GUC VII 19 17 03 27.2–.79 20.18S 69.22W 99–6 4.5L
¶13596921

GUC Error ellipse: s-maj=2.1km s-min=7.7km az=-1.0.
GUC VII 20 09 25 16.8–.84 22.58S 68.70W 115–52 4.1L
¶13596972

GUC Error ellipse: s-maj=11.3km s-min=32.3km az=-1.0.
GUC VII 22 20 24 46.9–.63 22.37S 68.67W 120–0 3.8L
¶13597053

GUC Error ellipse: s-maj=4.3km s-min=6.3km az=-1.0.
GUC VII 24 07 20 46.8–.39 19.56S 69.32W 110–4 4.1L
¶13597124

GUC Error ellipse: s-maj=1.8km s-min=7.2km az=-1.0.
ISC VII 25 07 48 11.8–.18 22.28S–.04 68.08W–.03 119 4.9b 706 6-174
LDG VII 25 07 48 08.7–.47 22.03S 68.30W 100–0 5.2b,3.7s **¶13390043**
ISCJB VII 25 07 48 10.1–.19 22.24S–.04 68.17W–.03 117 4.9b,3.7s
IDC VII 25 07 48 10.4–.53 22.41S 68.31W 112–4 4.7,4.7
NEIC VII 25 07 48 11.1–.18 22.33S 68.17W 118 5.0b,4.7
MOS VII 25 07 48 12.2–1.1 22.12S 68.26W 133 5.0b,4.7
GCMT VII 25 07 48 15.9–.20 22.44S 68.55W 137–2 5.2W,4.7
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=44.0km s-min=22.9km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=22.0.
IDC Error ellipse: s-maj=15.4km s-min=9.7km az=62.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=42.0.
MOS Error ellipse: s-maj=11.4km s-min=6.8km az=93.9.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s40,c48; s71,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.08±.21 $M_{\theta\theta}$1.08±.22; $M_{\phi\phi}$1.99±.26; $M_{r\theta}$3.26±.14; $M_{\theta\phi}$-2.20±.19; $M_{\theta r}$-5.30±.18; Best double couple: NP1:ϕ_s131.00000°,δ15.00000° ,λ-107.00000°. NP2:ϕ_s328.00000°,δ76.00000°,λ-86.00000°. Principal axes: T 7.4300,Plg31.0000°,Azm54.0000°; N -0.6500,Plg4.0000°,Azm147.0000° ; P -6.7900,Plg59.0000°,Azm244.0000° $M_0$7.10000×10^{16}
GUC VII 27 19 06 39.1–.32 22.93S 69.95W 43–1 3.7L
¶13597214

GUC Error ellipse: s-maj=1.2km s-min=3.3km az=-1.0.
IDC VII 29 02 50 46.7–5.3 22.08S 68.45W 0 3.8b,3.6
¶12698476

IDC Error ellipse: s-maj=159.9km s-min=55.5km az=71.0.
GUC VII 30 06 19 27.9–.66 22.11S 68.49W 128–17 4.0,3.7L
¶13597277

GUC Error ellipse: s-maj=4.0km s-min=15.1km az=-1.0.
GUC VII 30 14 00 04.7–.68 22.89S 68.78W 91–23 3.8L,3.8
¶13597278

GUC Error ellipse: s-maj=4.3km s-min=12.9km az=-1.0.
GUC VII 31 03 19 12.3–.96 20.31S 69.15W 110–12 3.5L
¶13597308

GUC Error ellipse: s-maj=4.3km s-min=12.7km az=-1.0.
GUC VII 31 04 20 19.3–1.0 22.74S 69.13W 106–25 3.9L,3.8
¶13597309

GUC Error ellipse: s-maj=5.3km s-min=20.2km az=-1.0.
GUC VII 31 10 33 41.0–.77 20.71S 69.45W 118–10 3.6L
¶13597312

GUC Error ellipse: s-maj=2.8km s-min=16.2km az=-1.0.
GUC VIII 05 19 30 37.6–.71 23.25S 68.19W 174–27 4.0L
¶13808672

GUC Error ellipse: s-maj=6.5km s-min=21.4km az=-1.0.
GUC VIII 06 05 07 47.7–.70 20.78S 69.32W 115–5 3.9L
¶13810074

GUC Error ellipse: s-maj=2.1km s-min=9.3km az=-1.0.
GUC VIII 11 15 35 38.6–.69 20.88S 69.36W 116–8 3.5L
¶13827212

GUC Error ellipse: s-maj=1.6km s-min=11.9km az=-1.0.
GUC VIII 12 16 06 33.2–.35 20.03S 69.28W 105–3 3.7L
¶13827266

GUC Error ellipse: s-maj=1.0km s-min=3.7km az=-1.0.
GUC VIII 13 09 46 09.3–.51 22.32S 69.14W 137–7 3.7,3.5L
¶13827312

GUC Error ellipse: s-maj=2.7km s-min=10.8km az=-1.0.
ISC VIII 14 04 33 27.2–.53 20.14S–.04 69.08W–.09 107–6 3.5b 22 1-152
IDC VIII 14 04 33 25.1–4.6 20.46S 69.18W 99–35 3.7,3.5 **¶11908192**
ISCJB VIII 14 04 33 26.1–.53 20.14S–.04 69.08W–.09 113–6 3.5b,3.5
NEIC VIII 14 04 33 27.2 20.15S 69.17W 104 4.1,3.5
GUC VIII 14 04 33 27.2–.55 20.15S 69.17W 104–6 4.1L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=22.4km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=6.9km az=175.1.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.1km s-min=8.6km az=-1.0.
GUC VIII 16 03 25 50.2–.44 20.80S 69.90W 48–2 3.5L,3.5
¶13827442

GUC Error ellipse: s-maj=0.8km s-min=4.9km az=-1.0.
GUC VIII 16 16 59 44.3–.70 20.50S 69.46W 118–4 3.5,3.1L
¶13827451

GUC Error ellipse: s-maj=1.9km s-min=7.7km az=-1.0.
ISC VIII 18 20 28 16.4–.23 22.15S–.03 68.53W–.05 122 4.7b 127 1-168
IDC VIII 18 20 28 11.7–.51 22.12S 68.49W 81–4 4.5,4.5 **¶11652986**
GUC VIII 18 20 28 14.9–1.1 22.11S 68.77W 131–13 5.1L,4.5
ISCJB VIII 18 20 28 14.5–.23 22.14S–.03 68.53W–.04 120 4.7b,4.5
NEIC VIII 18 20 28 16.5–.18 22.14S 68.39W 123 4.8b,4.5
BJI VIII 18 20 28 19.4 22.10S 68.40W 122 5.2b,4.5
GCMT VIII 18 20 28 20.1–.30 22.12S 68.74W 152–3 5.0W,4.5
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=12.4km az=77.0.
GUC Error ellipse: s-maj=4.3km s-min=13.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.3km az=152.8.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.4km az=62.0.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s26,c31; s58,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.32±.15 $M_{\theta\theta}$-0.11±.18; $M_{\phi\phi}$2.43±.23; $M_{r\theta}$1.09±.11; $M_{\theta\phi}$-3.01±.18; $M_{\theta r}$-2.74±.15; Best double couple: NP1:ϕ_s119.00000°,δ30.00000° ,λ-131.00000°. NP2:ϕ_s343.00000°,δ68.00000°,λ-69.00000°. Principal axes: T 5.5000,Plg20.0000°,Azm58.0000°; N -1.9000,Plg19.0000°,Azm155.0000° ; P -3.6000,Plg62.0000°,Azm285.0000° $M_0$4.60000×10^{16}
GUC VIII 19 03 39 33.9–.70 20.88S 69.30W 82–4 3.5L
¶13827607

GUC Error ellipse: s-maj=2.0km s-min=10.4km az=-1.0.
GUC VIII 19 11 44 33.1–.48 22.18S 68.76W 120–7 3.7L,3.7
¶13827610

GUC Error ellipse: s-maj=1.9km s-min=6.6km az=-1.0.
GUC VIII 20 11 03 27.8–.36 19.90S 69.25W 103–4 3.9L
¶13827670

GUC Error ellipse: s-maj=1.3km s-min=4.1km az=-1.0.
ISC VIII 23 09 45 22.7–.50 19.80S–.05 69.18W–.08 98–5 3.9b 21 1-152
ISCJB VIII 23 09 45 21.7–.51 19.79S–.05 69.19W–.08 104–5 3.8b **¶11908636**
IDC VIII 23 09 45 23.7–2.2 19.72S 69.09W 109–20 4.1s,4.1
GUC VIII 23 09 45 23.3–.40 19.78S 69.40W 101–5 4.3L,4.1
NEIC VIII 23 09 45 24.1–1.1 19.78S 69.01W 115–10 3.9b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=9.0km az=0.7.
IDC Error ellipse: s-maj=26.8km s-min=16.2km az=85.0.
GUC Error ellipse: s-maj=2.4km s-min=5.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.0km az=85.0.
ISC VIII 24 18 47 16.0–.79 21.32S–.04 70.0W–.20 73–10 13 1-146
IDC VIII 24 18 47 07.0–4.2 22.12S 69.56W 0 3.9b,3.9 **¶12581350**
ISCJB VIII 24 18 47 15.3–.78 21.33S–.04 70.0W–.20 78–9 3.9b,3.9
GUC VIII 24 18 47 16.3–.71 21.29S 69.79W 42–3 3.6L,3.9
IDC Error ellipse: s-maj=136.0km s-min=59.6km az=84.0.
ISCJB Error ellipse: s-maj=32.1km s-min=6.2km az=2.2.
GUC Error ellipse: s-maj=1.5km s-min=7.7km az=-1.0.
GUC VIII 28 06 03 44.4–.84 22.25S 68.68W 92–0 3.9L
NEIC VIII 28 06 03 44.4 22.25S 68.68W 92 3.9 **¶12100307**
GUC Error ellipse: s-maj=9.6km s-min=10.6km az=-1.0.
NEIC Event type se. After GUC.
ISC VIII 29 05 15 39.4–.62 18.15S–.05 69.9W–.10 130–6 3.7b 19 1-77
ISCJB VIII 29 05 15 38.4–.63 18.15S–.05 69.9W–.10 134–6 3.7b **¶12581528**
IDC VIII 29 05 15 38.2–1.9 18.24S 69.78W 117–17 3.9,3.8
GUC VIII 29 05 15 40.0–.29 18.33S 69.89W 138–3 3.8L,3.8
ISCJB Error ellipse: s-maj=17.4km s-min=7.3km az=16.9.
IDC Error ellipse: s-maj=22.8km s-min=19.3km az=127.0.
GUC Error ellipse: s-maj=3.6km s-min=6.5km az=-1.0.
GUC VIII 29 18 42 07.5–.38 20.46S 69.12W 96–12 3.7L
¶13828164

GUC Error ellipse: s-maj=1.7km s-min=12.0km az=-1.0.
ISC VIII 31 06 52 02.9–.24 22.20S–.04 68.16W–.05 128 4.5b 371 1-174
GUC VIII 31 06 52 00.0–.68 22.10S 68.62W 140–16 4.4L **¶11227317**
ISCJB VIII 31 06 52 01.1–.23 22.12S–.04 68.18W–.05 126 4.6b
NEIC VIII 31 06 52 02.1–.26 22.21S 68.23W 127 4.7b
IDC VIII 31 06 52 02.1–.78 22.08S 68.27W 122–6 4.3,4.2
ISC Event type se.
GUC Error ellipse: s-maj=3.2km s-min=20.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.5km az=154.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.1km az=66.0.
IDC Error ellipse: s-maj=19.0km s-min=12.6km az=63.0.
GUC VIII 31 16 40 18.5–1.0 22.56S 68.54W 87–32 3.8L
¶13828230

GUC Error ellipse: s-maj=9.8km s-min=19.1km az=-1.0.
ISC IX 01 09 15 52.8–.99 21.19S–.05 69.0W–.20 120–12 3.4b 14 1-77
ISCJB IX 01 09 15 51.9–.00 21.19S–.05 69.1W–.20 128–11 3.4b **¶13844921**
GUC IX 01 09 15 51.6–.80 21.18S 69.06W 125–11 3.8L
IDC IX 01 09 16 14.3–7.2 19.20S 67.98W 246–44 3.6,3.4b
ISCJB Error ellipse: s-maj=30.9km s-min=7.1km az=4.8.
GUC Error ellipse: s-maj=2.4km s-min=14.5km az=-1.0.
IDC Error ellipse: s-maj=105.9km s-min=37.3km az=22.0.
GUC IX 04 07 24 48.6–1.5 22.64S 69.82W 42–15 3.5L
NEIC IX 04 07 24 48.6 22.64S 69.82W 42 3.5 **¶12951901**
GUC Error ellipse: s-maj=5.9km s-min=10.4km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 05 22 35 24.8–.65 21.29S 69.16W 88–10 4.0L
¶13845012

GUC Error ellipse: s-maj=6.9km s-min=10.5km az=-1.0.
GUC IX 05 23 31 39.0–.86 22.68S 69.24W 90–8 3.5L
¶13845015

GUC Error ellipse: s-maj=4.5km s-min=2.7km az=-1.0.
IDC IX 09 15 29 22.4–2.2 22.60S 68.60W 0 4.0,3.9b
¶11909883

IDC Error ellipse: s-maj=54.6km s-min=52.1km az=56.0.
ISC IX 10 15 03 25.9–.50 22.52S–.04 68.79W–.06 76–8 4.0b 34 1-146
ISCJB IX 10 15 03 24.6–.59 22.54S–.04 68.76W–.07 78–9 4.0b **¶11909962**
GUC IX 10 15 03 26.8–.51 22.37S 68.99W 94–4 4.9L
NEIC IX 10 15 03 28.2–1.1 22.55S 68.72W 93–9 4.5b
IDC IX 10 15 03 28.0–.65 22.61S 68.64W 88–5 4.2s,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=6.8km az=2.4.
GUC Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0.

NEIC Event type fe. Error ellipse: s-maj=17.1km s-min=11.7km az=100.0. Felt [III] at Calama and [II] at Mejillones and Tocopilla.
IDC Error ellipse: s-maj=18.8km s-min=15.0km az=88.0.
ISC IX 10 16 11 59.3–.89 20.31S–.03 69.18W–.03 4–5 5.5b,5.3s 791 1-178
ISCJB IX 10 16 11 58.4–.94 20.24S–.03 69.21W–.03 8–5 5.5b,5.3s **¶11255640**
MOS IX 10 16 12 02.9–1.1 20.05S 69.24W 33 5.7b,5.2s
GUC IX 10 16 12 03.3–.37 20.45S 69.49W 34–3 6.0L,5.2s
IDC IX 10 16 12 03.7–.37 20.33S 69.36W 35–2 5.2s,5.2
BJI IX 10 16 12 03.5 19.81S 69.12W 33 5.7s,5.6
NEIC IX 10 16 12 04.0–.15 20.26S 69.22W 38 5.6b,5.3s
GCMT IX 10 16 12 11.6–.20 20.41S 69.56W 36–0 5.7W,5.3s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.9km az=43.7.
MOS Error ellipse: s-maj=11.1km s-min=5.9km az=114.5.
GUC Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=15.2km s-min=10.3km az=73.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.5km az=46.0. Felt [VI] at Alto Hospicio, Camina, Colchane, Cuya, Huara, Iquique, Pisagua and Pozo Almonte; [IV] at Arica; [III] at Calama, Mejillones and Tocopilla; [II] at Antofagasta, Maria Elena and Putre.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 98, comp=176, per= 50. Moment Tensor Solution. s69,c98; s20,c22; Moment tensor: Scale 10^{17}Nm; M_{rr}3.28±.16 $M_{\theta\theta}$-5.65±.10; $M_{\phi\phi}$2.37±.12; $M_{r\theta}$1.53±.11; $M_{\theta\phi}$-1.83±.08; $M_{\phi r}$1.21±.15; Best double couple: NP1:ϕ_s289.00000°,δ44.00000°,λ138.00000°. NP2:ϕ_s52.00000°,δ62.00000°,λ54.00000°. Principal axes: T 4.1200,Plg57.0000°,Azm273.0000°; N 2.2400,Plg31.0000°,Azm70.0000° ; P -6.3700,Plg10.0000°,Azm167.0000° $M_0$5.30000×10^{17}
ISC IX 10 16 28 17.4–1.1 20.56S–.05 69.5W–.10 31–8 3.7b 24 0-153
ISCJB IX 10 16 28 15.3–.87 20.67S–.05 69.51W–.10 35–12 3.7b **¶11909970**
IDC IX 10 16 28 18.6–2.7 20.75S 69.51W 45–28 3.9,3.8L
GUC IX 10 16 28 18.0–.43 20.46S 69.52W 37–3 4.3L,3.8L
NEIC IX 10 16 28 19.1–1.1 20.73S 69.42W 50–11 3.4b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=7.9km az=164.8.
IDC Error ellipse: s-maj=47.1km s-min=22.8km az=94.0.
GUC Error ellipse: s-maj=1.8km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=8.2km az=100.0.
ISC IX 11 17 11 34.8–.17 19.75S–.03 69.12W–.04 108 5.0b 437 1-172
ISCJB IX 11 17 11 32.9–.17 19.71S–.02 69.14W–.04 106 5.0b **¶11265506**
GUC IX 11 17 11 33.5–.86 19.73S 69.37W 108–9 5.3L
IDC IX 11 17 11 34.8–.43 19.58S 69.11W 107–3 4.6,4.6
NEIC IX 11 17 11 34.6–.16 19.65S 69.05W 106 5.1b,4.6
BJI IX 11 17 11 35.6 19.60S 69.10W 106 5.1b,4.6
GCMT IX 11 17 11 37.4–.20 19.80S 69.46W 124–1 5.3W,4.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.4km az=171.8.
GUC Error ellipse: s-maj=4.8km s-min=12.1km az=-1.0.
IDC Error ellipse: s-maj=14.2km s-min=9.8km az=54.0.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.9km az=59.0. Felt [III] at Alto Hospicio, Camina, Colchane, Huara, Iquique, Pica and Pozo Almonte; [II] at Arica.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c106; s87,c145; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{r\theta}$0.00 $M_{\phi\phi}$0.00 $M_{\theta r}$0.00 Best double couple: NP1:ϕ_s176.00000°,δ28.00000°,λ-80.00000°. NP2:ϕ_s345.00000° ,δ62.00000°,λ-95.00000°. Principal axes: T 1.0600,Plg17.0000°,Azm79.0000° ; N -0.1100,Plg5.0000°,Azm348.0000°; P -0.9500,Plg72.0000°,Azm242.0000° $M_0$1.00000×10^{17}
ISC IX 14 16 45 31.2–.50 22.73S–.04 69.45W–.06 57–4 4.2b,3.4s 120 1-155
ISCJB IX 14 16 45 30.1–.53 22.72S–.04 69.44W–.06 65–4 4.1b,3.4s **¶11910275**
GUC IX 14 16 45 30.9–1.2 22.67S 69.53W 65–15 4.5L,4.2
NEIC IX 14 16 45 30.9 22.67S 69.53W 65 4.2b,4.2
IDC IX 14 16 45 31.7–.51 22.73S 69.42W 67–4 4.0,4.0
BJI IX 14 16 45 36.9 22.70S 69.50W 65 4.0,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=6.2km az=165.4.
GUC Error ellipse: s-maj=5.1km s-min=8.7km az=-1.0.
NEIC Event type fe. Felt [III] at Chuquicamata. After GUC.
IDC Error ellipse: s-maj=18.3km s-min=16.2km az=58.0.
ISC IX 15 03 23 25.1–.29 21.13S–.03 69.04W–.05 109 4.4b 62 1-153
ISCJB IX 15 03 23 23.5–.29 21.14S–.03 68.94W–.04 107 4.4b **¶11910307**
NEIC IX 15 03 23 24.6 21.11S 69.18W 110 4.8b
GUC IX 15 03 23 24.6–.96 21.11S 69.18W 110–10 4.7L
IDC IX 15 03 23 25.8–.47 21.03S 68.82W 108–4 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.5km az=1.6.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.2km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=14.9km s-min=10.4km az=74.0.
ISC IX 17 20 00 56.9–2.0 19.8S–.20 69.8W–.70 35 6 2-145
IDC IX 17 20 00 54.7–4.7 19.89S 69.09W 0 3.5b,3.2 **¶11910507**
ISCJB IX 17 20 00 55.5–2.0 19.8S–.20 69.7W–.70 33 3.5b,3.2
GUC IX 17 20 01 09.0–.50 21.16S 69.28W 120–6 4.1L,3.2
IDC Error ellipse: s-maj=137.6km s-min=59.5km az=86.0.
ISCJB Error ellipse: s-maj=95.6km s-min=10.8km az=17.7.
GUC Error ellipse: s-maj=5.7km s-min=9.5km az=-1.0.
GUC IX 18 20 34 16.2–.49 22.15S 69.85W 49–3 3.8L
¶13845253
GUC Error ellipse: s-maj=3.2km s-min=2.8km az=-1.0.
ISC IX 19 06 00 42.7–.83 21.7S–.10 69.1W–.20 155–12 3.7b 12 1-78
IDC IX 19 06 00 15.9–3.1 23.24S 70.14W 0 4.3b,4.2 **¶11910607**
ISCJB IX 19 06 00 41.7–.82 21.7S–.10 69.1W–.20 159–12 3.7b,4.2
GUC IX 19 06 00 43.2–.83 21.84S 68.77W 119–15 3.6L,4.2
IDC Error ellipse: s-maj=79.3km s-min=48.0km az=49.0.
ISCJB Error ellipse: s-maj=36.9km s-min=14.3km az=18.0.
GUC Error ellipse: s-maj=7.8km s-min=15.4km az=-1.0.
GUC IX 21 06 15 00.2–.47 22.10S 68.62W 108–5 3.9L
NEIC IX 21 06 15 00.2 22.10S 68.62W 108 3.9 **¶12952131**
GUC Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 23 03 15 46.5–.57 24.24S 69.04W 116–7 3.6L
¶13845362
GUC Error ellipse: s-maj=4.9km s-min=3.1km az=-1.0.
GUC IX 27 13 26 14.5–.58 21.26S 69.04W 147–15 3.5L
¶13845489
GUC Error ellipse: s-maj=3.0km s-min=18.1km az=-1.0.
ISC X 01 11 09 10.8–2.5 22.36S–.04 69.9W–.20 15–14 12 0-147
IDC X 01 11 09 07.7–2.1 22.76S 69.80W 0 3.7,3.6L **¶11911546**
ISCJB X 01 11 09 11.8–2.1 22.34S–.05 69.9W–.20 24–17 3.7,3.6L
GUC X 01 11 09 12.3–.51 22.27S 70.10W 38–4 4.2L,4.2
IDC Error ellipse: s-maj=87.5km s-min=38.3km az=103.0.
ISCJB Error ellipse: s-maj=35.7km s-min=6.1km az=8.0.
GUC Error ellipse: s-maj=3.5km s-min=24.0km az=-1.0.
ISC X 01 22 44 09.8–.44 23.41S–.04 69.18W–.05 90–5 4.0b 35 1-147
ISCJB X 01 22 44 09.1–.47 23.34S–.05 69.18W–.05 98–5 4.0b **¶11911596**
IDC X 01 22 44 09.8–.92 23.36S 69.09W 90–7 4.1b,3.8
GUC X 01 22 44 10.3–.44 23.31S 69.17W 82–5 4.1L,3.8
NEIC X 01 22 44 10.3 23.31S 69.17W 82 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=7.7km az=172.3.
IDC Error ellipse: s-maj=31.1km s-min=18.4km az=76.0.
GUC Error ellipse: s-maj=1.8km s-min=1.3km az=-1.0.
NEIC Event type se. After GUC.
IDC X 02 06 48 25.5–2.9 19.51S 69.05W 140–111 3.3b,3.3
¶11911692
IDC Error ellipse: s-maj=420.8km s-min=28.0km az=110.0.
GUC X 07 21 01 20.3–.94 27.58S 69.18W 55–5 4.0L,3.7
NEIC X 07 21 01 20.3 27.58S 69.18W 55 3.7,3.7 **¶13396335**
GUC Error ellipse: s-maj=4.4km s-min=6.8km az=-1.0.
NEIC Event type se. After GUC.
IDC X 08 22 04 52.2–1.8 25.23S 69.69W 69–7 3.9b,3.7
¶12066377
IDC Error ellipse: s-maj=77.7km s-min=18.2km az=86.0.
ISC X 16 04 41 21.6–.63 23.06S–.06 68.52W–.06 113–6 3.4b 24 0-147
ISCJB X 16 04 41 20.5–.63 23.08S–.06 68.51W–.07 119–6 3.4b **¶12068731**
IDC X 16 04 41 21.1–2.5 23.09S 68.23W 99–24 3.5,3.5b
NEIC X 16 04 41 22.0 22.88S 68.58W 106 3.8,3.5b
GUC X 16 04 41 22.0–.49 22.88S 68.58W 106–4 3.8L,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=9.6km az=34.9.
IDC Error ellipse: s-maj=37.7km s-min=20.7km az=90.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=3.0km s-min=2.3km az=-1.0.
IDC X 18 01 24 42.2–2.6 22.79S 68.76W 0 4.4b,4.4
¶12068943
IDC Error ellipse: s-maj=81.2km s-min=51.3km az=55.0.
GUC X 21 00 38 25.2–.61 23.17S 68.33W 127–5 3.6L
¶13932545
GUC Error ellipse: s-maj=4.0km s-min=3.1km az=-1.0.
IDC X 23 15 12 45.6–9.4 20.67S 69.03W 127–66 3.6,3.5b
¶12070903
IDC Error ellipse: s-maj=103.4km s-min=34.6km az=19.0.
ISC X 23 16 29 09.7–.48 23.47S–.06 68.49W–.06 107–5 4.0b 34 1-155
ISCJB X 23 16 29 08.5–.49 23.47S–.06 68.48W–.06 115–5 4.0b **¶12070914**
IDC X 23 16 29 08.7–2.3 23.46S 68.47W 90–20 3.8b,3.8
GUC X 23 16 29 10.5–.67 23.31S 68.55W 102–8 4.1L,3.8
NEIC X 23 16 29 10.5 23.31S 68.55W 102 4.5b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=9.3km az=167.5.
IDC Error ellipse: s-maj=28.8km s-min=16.3km az=84.0.
GUC Error ellipse: s-maj=5.1km s-min=4.4km az=-1.0.
NEIC Event type se. After GUC.
IDC X 23 16 29 42.9–2.7 22.34S 68.52W 138–25 4.1b,3.3
¶12070915
IDC Error ellipse: s-maj=66.2km s-min=27.2km az=99.0.
GUC X 24 12 37 23.4–1.2 27.58S 69.20W 79–37 3.8L
¶13932617
GUC Error ellipse: s-maj=6.7km s-min=18.6km az=-1.0.
GUC X 26 08 37 29.0–.47 20.54S 69.69W 20–9 3.5L
¶13932665
GUC Error ellipse: s-maj=1.6km s-min=12.5km az=-1.0.
ISC X 27 11 56 06.5–2.0 24.1S–.10 69.7W–.10 38–26 15 1-148
IDC X 27 11 56 00.6–2.1 24.51S 69.49W 0 3.7b,3.7 **¶12071233**
ISCJB X 27 11 56 05.9–1.8 24.05S–.09 69.7W–.10 44–23 3.7b,3.7
ISC X 27 19 08 17.6–.18 27.33S–.02 69.27W–.05 115 4.6b 291 1-176
ISCJB X 27 19 08 15.9–.17 27.29S–.02 69.26W–.04 113 4.6b **¶11370123**
GUC X 27 19 08 15.6–1.0 27.22S 69.28W 101–21 5.5L
IDC X 27 19 08 17.4–.33 27.27S 69.41W 116–2 4.4,4.4
NEIC X 27 19 08 17.0–.17 27.24S 69.32W 113 4.9b,4.4
GCMT X 27 19 08 22.7–.30 27.18S 69.49W 138–2 5.1W,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.4km az=2.9.
GUC Error ellipse: s-maj=4.9km s-min=16.9km az=-1.0.
IDC Error ellipse: s-maj=16.6km s-min=8.5km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=4.6km az=67.0. Felt [III] at Copiapo, Tierra Amarilla and Vallenar; [II] at Alto del Carmen, Caldera, Chanaral, Diego de Almagro, El Salvador, Freirina, Huasco and Taltal.
GCMT Event type se. Data Used: G IU CN IC II. Moment Tensor Solution. s28,c36; s78,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}3.46±.16 $M_{\theta\theta}$1.68±.17; $M_{\phi\phi}$-5.14±.18; $M_{r\theta}$-1.62±.11; $M_{\theta\phi}$3.33±.18; $M_{\phi r}$-1.08±.17; Best double couple: NP1:ϕ_s304.00000°,δ56.00000°,λ37.00000°. NP2:ϕ_s191.00000°,δ60.00000°,λ140.00000°. Principal axes: T 5.1800,Plg48.0000° ,Azm156.0000°; N 1.3400,Plg42.0000°,Azm340.0000°; P -6.5100,Plg2.0000°,Azm248.0000° $M_0$5.80000×10^{16}
ISC X 28 19 36 05.1–.45 22.95S–.04 69.05W–.05 109–4 3.9b 41 1-147
NEIC X 28 19 36 03.6–.86 23.03S 68.91W 104–9 4.8b **¶12071366**
ISCJB X 28 19 36 04.0–.45 22.94S–.04 69.05W–.06 116–4 3.9b
IDC X 28 19 36 05.9–.73 22.84S 68.83W 111–6 3.8b,3.8
GUC X 28 19 36 06.1–.99 22.85S 69.13W 103–8 4.4L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=9.4km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.7km az=12.6.
IDC Error ellipse: s-maj=25.2km s-min=14.1km az=87.0.
GUC Error ellipse: s-maj=6.6km s-min=6.9km az=-1.0.
IDC X 29 14 08 06.6–4.7 22.39S 68.54W 0 4.0L,4.0
¶12071485
IDC Error ellipse: s-maj=139.7km s-min=56.2km az=71.0.
ISC X 31 16 02 37.8–.66 23.98S–.04 68.1W–.10 134–15 4.2b 27 2-147
ISCJB X 31 16 02 36.9–.69 23.99S–.05 68.1W–.10 145–16 4.2b **¶12071747**
NEIC X 31 16 02 37.4–1.2 23.94S 68.05W 128–12 4.2b
IDC X 31 16 02 38.1–2.3 23.92S 67.90W 130–20 4.1b,3.5
GUC X 31 16 02 39.5–.44 23.80S 68.22W 150–0 4.2L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=7.7km az=3.3.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=13.4km az=105.0.
IDC Error ellipse: s-maj=33.6km s-min=21.9km az=106.0.
GUC Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
ISC X 31 19 03 10.0–.68 25.89S–.04 69.2W–.10 97–11 4.0b 21 2-158
IDC X 31 19 02 56.2–1.0 25.99S 69.77W 0 4.0L,3.9b **¶12071759**
ISCJB X 31 19 03 09.0–.72 25.90S–.04 69.2W–.10 101–11 4.0b,3.9b
NEIC X 31 19 03 09.6–2.2 25.85S 69.24W 97–17 4.7b,3.9b
GUC X 31 19 03 11.9–.81 25.84S 69.55W 108–30 4.3L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=48.6km s-min=39.5km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=7.2km az=4.1.
NEIC Event type se. Error ellipse: s-maj=29.1km s-min=14.8km az=138.0.
GUC Error ellipse: s-maj=2.8km s-min=21.3km az=-1.0.
GUC X 31 19 04 03.8–.47 20.85S 69.23W 111–3 3.8L
¶13932769
GUC Error ellipse: s-maj=1.8km s-min=5.4km az=-1.0.
ISC XI 03 04 46 33.2–.14 18.56S–.02 69.22W–.03 118 4.8b 543 1-171
BJI XI 03 04 46 31.3 18.59S 68.47W 105 5.1b **¶11391098**
ISCJB XI 03 04 46 31.4–.14 18.50S–.02 69.30W–.03 116 4.8b
NEIC XI 03 04 46 32.8–.17 18.38S 69.15W 114 4.8b
IDC XI 03 04 46 32.9–.42 18.50S 69.41W 116–3 4.5,4.5
GUC XI 03 04 46 32.7–.49 18.55S 69.44W 107–12 4.9L,4.5
LDG XI 03 04 46 34.8–.28 18.05S 69.11W 132–0 5.0b,3.1s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.2km az=166.3.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.0km az=54.0. Felt [II] at Arica.
IDC Error ellipse: s-maj=11.5km s-min=9.2km az=104.0.
GUC Error ellipse: s-maj=1.8km s-min=9.1km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=16.8km s-min=9.5km az=45.0.
GUC XI 04 20 42 43.4–.56 23.86S 68.91W 112–5 3.8L
¶14118332
GUC Error ellipse: s-maj=3.0km s-min=2.2km az=-1.0.
ISC XI 06 05 24 51.2–.55 26.27S–.04 69.52W–.08 90–6 3.9b 42 1-158
ISCJB XI 06 05 24 49.9–.61 26.27S–.04 69.50W–.09 95–7 3.9b **¶12072498**
NEIC XI 06 05 24 51.2–.79 26.21S 69.56W 86–8 3.9b
IDC XI 06 05 24 52.6–.48 26.28S 69.60W 99–4 3.9,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=6.9km az=1.3.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.0km az=97.0.
IDC Error ellipse: s-maj=19.9km s-min=11.2km az=79.0.
IDC XI 07 06 19 49.6–4.9 22.01S 68.62W 0 4.0L,3.8
¶12072629
IDC Error ellipse: s-maj=148.7km s-min=55.7km az=72.0.
GUC XI 07 21 36 08.0–.82 22.59S 68.86W 95–7 3.7L
¶14119336
GUC Error ellipse: s-maj=3.2km s-min=3.2km az=-1.0.
IDC XI 15 02 31 27.6–8.4 20.28S 69.62W 233–59 3.2b,3.0
¶12073589
IDC Error ellipse: s-maj=93.5km s-min=90.0km az=156.0.
ISC XI 15 18 21 04.1–.87 20.01S–.05 69.3W–.20 103–10 3.9b 23 4-152
ISCJB XI 15 18 21 02.7–1.0 20.02S–.05 69.3W–.20 106–11 3.9b **¶12073650**
NEIC XI 15 18 21 03.9–1.0 19.98S 69.35W 99–10 3.9b
IDC XI 15 18 21 04.6–2.6 19.93S 69.25W 104–20 3.9,3.7b

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=7.6km az=7.9.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=10.1km az=91.0.
IDC Error ellipse: s-maj=24.3km s-min=18.6km az=77.0.
IDC XI 16 00 34 08.2–5.3 22.11S 68.63W 0 3.6b,3.4
¶12073689

IDC Error ellipse: s-maj=158.3km s-min=56.4km az=72.0.
GUC XI 18 08 52 05.7–.64 23.17S 70.00W 37–8 3.7L
¶14123209

GUC Error ellipse: s-maj=2.2km s-min=9.0km az=-1.0.
ISC XI 19 08 55 07.7–.62 21.34S–.04 70.00W–.08 53–7 4.0b 21 0-153
ISCJB XI 19 08 55 06.8–.59 21.34S–.04 70.01W–.08 59–6 4.0b **¶12074125**
GUC XI 19 08 55 07.1–1.1 21.35S 70.01W 48–3 4.5L
IDC XI 19 08 55 07.3–.83 21.39S 69.84W 49–5 4.1,4.0s
ISCJB Error ellipse: s-maj=13.2km s-min=6.9km az=9.7.
GUC Error ellipse: s-maj=4.6km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=34.7km s-min=22.9km az=48.0.
ISC XI 21 23 07 47.6–.17 24.21S–.03 69.18W–.06 79 4.7b 506 1-176
ISCJB XI 21 23 07 45.5–.16 24.27S–.02 69.30W–.05 77 4.7b **¶11473178**
NEIC XI 21 23 07 45.8–.51 24.24S 69.23W 68–4 4.8b
BJI XI 21 23 07 46.7 24.20S 69.20W 47 5.3s,5.3
GUC XI 21 23 07 46.7–.67 24.16S 69.59W 100–7 5.3L,5.3
IDC XI 21 23 07 47.1–.33 24.18S 69.33W 78–2 4.6,4.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.1km az=168.3.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=4.4km az=66.0. Felt [III] at Sierra Gorda and [II] at Antofagasta.
GUC Error ellipse: s-maj=4.3km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=15.5km s-min=8.9km az=62.0.
ISC XI 26 04 17 00.4–.51 22.66S–.04 68.13W–.07 143–4 3.8b 56 0-146
IDC XI 26 04 16 57.1–3.5 22.47S 67.99W 112–34 3.9,3.8b **¶12074857**
ISCJB XI 26 04 16 59.4–.47 22.67S–.04 68.16W–.07 151–4 3.8b,3.8b
NEIC XI 26 04 16 59.3–.84 22.62S 68.19W 132–8 4.0b,3.8b
GUC XI 26 04 17 01.3–.64 22.56S 68.27W 141–4 4.5L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=20.4km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=6.2km az=171.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.3km az=71.0.
GUC Error ellipse: s-maj=3.7km s-min=3.7km az=-1.0.
GUC XII 06 03 04 17.0–.68 23.43S 68.72W 105–5 3.5L
¶14238852

GUC Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0.
GUC XII 06 19 59 36.2–1.1 22.24S 68.64W 118–7 3.7L
¶14238872

GUC Error ellipse: s-maj=4.7km s-min=5.6km az=-1.0.
GUC XII 08 03 25 17.6–.88 23.29S 68.79W 115–7 3.6L
¶14238905

GUC Error ellipse: s-maj=4.5km s-min=4.2km az=-1.0.
ISC XII 10 05 51 11.7–.47 19.35S–.04 69.39W–.09 112–5 3.9b 43 0-151
ISCJB XII 10 05 51 10.6–.47 19.36S–.04 69.38W–.09 118–5 3.9b **¶12076670**
GUC XII 10 05 51 11.4–.36 19.34S 69.37W 105–2 4.3L
IDC XII 10 05 51 11.8–.72 19.45S 69.01W 106–6 3.9,3.8
NEIC XII 10 05 51 11.5–.93 19.54S 69.03W 104–10 4.6b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=5.6km az=166.6.
GUC Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=25.3km s-min=18.0km az=88.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=8.9km az=87.0.
GUC XII 13 06 09 42.5–.63 21.37S 69.98W 40–4 3.7L
¶14238971

GUC Error ellipse: s-maj=2.6km s-min=6.5km az=-1.0.
ISC XII 21 08 36 07.2–.44 19.81S–.04 69.13W–.07 101–5 4.3b 60 1-152
ISCJB XII 21 08 36 06.1–.43 19.81S–.04 69.15W–.07 109–5 4.3b **¶12078436**
GUC XII 21 08 36 07.3–.82 19.91S 69.48W 117–8 4.6L
NEIC XII 21 08 36 07.8–.25 19.86S 69.09W 110 4.7b
IDC XII 21 08 36 08.1–.71 19.86S 69.09W 109–5 3.9,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.8km az=165.7.
GUC Error ellipse: s-maj=4.6km s-min=16.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=87.0.
IDC Error ellipse: s-maj=19.0km s-min=14.6km az=54.0.
ISC XII 22 00 06 26.6–1.3 18.88S–.08 69.38W–.08 109–11 4.1b 39 3-169
NEIC XII 22 00 06 26.0–.96 18.81S 69.39W 102–8 4.2b **¶12078502**
ISCJB XII 22 00 06 26.1–1.5 18.87S–.09 69.42W–.09 120–12 4.1b
IDC XII 22 00 06 28.2–.56 18.84S 69.38W 121–3 4.0,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.6km az=219.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=11.6km az=136.1.
IDC Error ellipse: s-maj=17.7km s-min=14.2km az=26.0.
IDC XII 22 06 13 18.5–2.6 21.80S 69.16W 0 4.4L,4.2
¶12078520

IDC Error ellipse: s-maj=56.9km s-min=52.5km az=18.0.
ISC XII 24 12 24 43.4–.42 22.95S–.05 68.90W–.05 102 4.0b 39 0-147
ISCJB XII 24 12 24 42.1–.42 22.95S–.05 68.83W–.05 100 4.0b **¶12078817**
NEIC XII 24 12 24 43.5–.52 22.97S 68.90W 100 4.1b
GUC XII 24 12 24 43.6–.64 22.91S 68.94W 90–0 4.0L,3.6
IDC XII 24 12 24 44.4–.54 22.81S 68.72W 100–3 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.8km az=159.3.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=9.1km az=88.0.
GUC Error ellipse: s-maj=3.6km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=14.9km az=74.0.
ISC XII 28 03 58 37.9–.52 22.31S–.05 68.67W–.06 117–4 3.9b 41 0-146
ISCJB XII 28 03 58 36.9–.52 22.32S–.05 68.67W–.06 123–4 3.9b **¶12079236**
NEIC XII 28 03 58 37.9 22.35S 68.68W 109 3.9b
GUC XII 28 03 58 37.9–.69 22.35S 68.68W 109–4 4.0L
IDC XII 28 03 58 39.7–7.2 22.24S 68.34W 125–55 3.7b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=7.6km az=170.3.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.8km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=70.5km s-min=37.1km az=4.0.
GUC XII 28 11 40 15.9–.57 22.33S 69.95W 53–6 3.9,3.2L
¶14239143

GUC Error ellipse: s-maj=5.7km s-min=10.1km az=-1.0.
ISC XII 29 14 40 16.6–.20 23.02S–.04 68.61W–.04 103 4.7b 481 0-175
ISCJB XII 29 14 40 14.6–.18 23.02S–.03 68.63W–.03 101 4.7b **¶11522247**
NEIC XII 29 14 40 15.4–.20 23.02S 68.57W 101 4.8b
GUC XII 29 14 40 15.8–.46 22.98S 68.78W 92–2 5.3L
BJI XII 29 14 40 15.5 23.00S 68.50W 101 5.0b
IDC XII 29 14 40 16.1–.40 22.90S 68.52W 101–2 4.7,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.0km az=41.5.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=55.0.
GUC Error ellipse: s-maj=1.6km s-min=1.5km az=-1.0.
IDC Error ellipse: s-maj=16.0km s-min=11.3km az=45.0.
ISC XII 29 17 10 48.6–1.3 18.38S–.08 69.1W–.20 142–11 3.5b 13 2-150
ISCJB XII 29 17 10 47.8–1.3 18.38S–.08 69.1W–.20 147–11 3.5b **¶12079420**
NEIC XII 29 17 10 47.9–1.4 18.29S 69.10W 133–12 3.5b
IDC XII 29 17 10 49.4–4.8 18.33S 68.98W 143–34 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.6km s-min=13.3km az=4.2.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=13.6km az=98.0.
IDC Error ellipse: s-maj=57.8km s-min=35.7km az=36.0.
GUC XII 31 16 29 17.9–.32 27.77S 69.81W 71–4 3.5L,3.3
¶14239169

GUC Error ellipse: s-maj=1.3km s-min=4.6km az=-1.0.

(124) Chile-Bolivia border region.

GUC VII 01 23 12 03.3–.62 21.56S 68.56W 135–9 3.5,3.4L
¶13596295

GUC Error ellipse: s-maj=2.4km s-min=9.6km az=-1.0.
GUC VII 04 15 02 12.0–.49 22.71S 67.08W 250–0 4.0L
¶13596379

GUC Error ellipse: s-maj=5.3km s-min=6.3km az=-1.0.
ISC VII 06 02 01 43.6–.59 21.50S–.04 68.30W–.08 112–6 4.0b 28 1-145
ISCJB VII 06 02 01 42.6–.63 21.51S–.04 68.32W–.08 119–7 4.0b **¶11810759**
NEIC VII 06 02 01 42.6–1.1 21.53S 68.26W 105–11 4.3b
IDC VII 06 02 01 44.5–2.2 21.48S 68.07W 112–19 4.0,3.8b
GUC VII 06 02 01 44.7–.41 21.41S 68.66W 140–6 3.8L,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.0km az=174.2.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=10.9km az=91.0.
IDC Error ellipse: s-maj=27.4km s-min=16.5km az=88.0.
GUC Error ellipse: s-maj=2.6km s-min=8.9km az=-1.0.
ISC VII 07 08 28 28.5–.52 19.95S–.05 68.97W–.06 91–7 3.9b 24 1-152
ISCJB VII 07 08 28 27.7–.55 19.95S–.05 69.01W–.08 98–7 3.9b **¶11810861**
GUC VII 07 08 28 28.6–.70 19.99S 69.24W 105–7 4.3L
IDC VII 07 08 28 31.5–2.2 19.83S 68.75W 121–19 4.0,3.7
NEIC VII 07 08 28 34.8–1.1 19.90S 68.43W 152–11 4.0,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.4km az=6.1.
GUC Error ellipse: s-maj=2.4km s-min=7.9km az=-1.0.
IDC Error ellipse: s-maj=24.7km s-min=16.5km az=74.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=12.4km az=78.0.
GUC VII 07 23 50 24.4–.82 22.42S 67.67W 200–0 3.6L
¶13596483

GUC Error ellipse: s-maj=4.5km s-min=6.9km az=-1.0.
ISC VII 09 14 56 48.8–1.1 21.21S–.07 68.4W–.30 117–29 18 1-145
ISCJB VII 09 14 56 47.5–1.2 21.21S–.06 68.3W–.30 124–29 **¶11811087**
NEIC VII 09 14 56 47.5–1.2 21.26S 68.69W 114–12
GUC VII 09 14 56 48.6–.91 21.17S 68.70W 140–0 4.0L
IDC VII 09 14 56 49.0–3.1 21.16S 68.70W 123–30 3.5,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=49.1km s-min=7.0km az=9.6.
NEIC Event type se. Error ellipse: s-maj=57.9km s-min=11.9km az=95.0.
GUC Error ellipse: s-maj=4.4km s-min=12.4km az=-1.0.
IDC Error ellipse: s-maj=163.6km s-min=24.5km az=98.0.
GUC VII 11 13 08 05.0–.44 21.98S 67.93W 214–16 4.0L,3.9
¶13596626

GUC Error ellipse: s-maj=2.1km s-min=16.2km az=-1.0.
ISC VII 13 17 33 56.1–.46 21.70S–.03 68.12W–.04 98–3 4.6b 359 1-173
ISCJB VII 13 17 33 54.9–.48 21.67S–.03 68.11W–.04 104–3 4.6b **¶11121223**
NEIC VII 13 17 33 54.2–.77 21.69S 68.21W 86–7 4.8b
IDC VII 13 17 33 56.0–2.2 21.66S 68.26W 102–18 4.4,4.3
BJI VII 13 17 33 55.1 21.70S 68.20W 85 5.3s,5.2b
GUC VII 13 17 33 56.7–1.2 21.69S 68.52W 136–14 4.5L,5.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.3km az=3.1.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.0km az=58.0.
IDC Error ellipse: s-maj=21.6km s-min=12.8km az=59.0.
GUC Error ellipse: s-maj=3.8km s-min=15.2km az=-1.0.
GUC VII 14 05 30 14.7–.70 22.21S 67.85W 200–0 3.7L
¶13596741

GUC Error ellipse: s-maj=4.7km s-min=9.1km az=-1.0.
IDC VII 14 11 20 13.1–1.5 18.72S 68.01W 160–7 3.5,3.4
¶12698211

IDC Error ellipse: s-maj=47.5km s-min=24.1km az=29.0.
ISC VII 14 17 49 14.5–.78 21.42S–.04 68.11W–.05 86–7 4.8b 465 5-173
ISCJB VII 14 17 49 10.6–1.1 21.40S–.04 68.14W–.05 67–10 4.8b **¶11121256**
IDC VII 14 17 49 15.0–1.9 21.54S 68.28W 95–17 4.4,4.4
NEIC VII 14 17 49 15.3–.72 21.50S 68.24W 98–7 4.8b,4.4
BJI VII 14 17 49 18.2 21.50S 68.20W 97 5.0b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.8km az=147.3.
IDC Error ellipse: s-maj=18.5km s-min=12.0km az=64.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.4km az=68.0.
GUC VII 15 13 21 24.5–.52 19.74S 68.81W 5–8 3.5L
¶13596777

GUC Error ellipse: s-maj=2.1km s-min=6.8km az=-1.0.
ISC VII 17 08 35 01.6–.36 20.56S–.04 68.77W–.06 114 3.9b 44 1-153
ISCJB VII 17 08 34 59.8–.37 20.58S–.04 68.78W–.05 112 3.9b **¶11811825**
GUC VII 17 08 35 01.3–.41 20.53S 69.03W 117–8 4.9L
IDC VII 17 08 35 01.7–.64 20.58S 68.63W 112–4 4.1,4.0
NEIC VII 17 08 35 01.4–.38 20.65S 68.67W 113 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.3km az=172.8.
GUC Error ellipse: s-maj=1.7km s-min=8.4km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=13.4km az=81.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.4km az=76.0.
GUC VII 17 10 24 00.6–.77 22.12S 67.87W 204–26 3.6L
¶13596847

GUC Error ellipse: s-maj=4.9km s-min=23.2km az=-1.0.
GUC VII 19 16 30 30.1–.68 21.27S 68.11W 160–0 3.7L
¶13596918

GUC Error ellipse: s-maj=2.5km s-min=5.4km az=-1.0.
ISC VII 19 20 45 01.5–.74 21.16S–.05 68.5W–.10 125–16 20 1-145
ISCJB VII 19 20 45 00.5–.74 21.16S–.05 68.5W–.10 132–16 **¶12698331**
IDC VII 19 20 45 02.2–2.4 21.43S 68.09W 100–23 4.2b,3.6
GUC VII 19 20 45 03.0–.75 21.11S 68.82W 135–7 4.1L,3.6
ISCJB Error ellipse: s-maj=22.0km s-min=7.5km az=10.3.
IDC Error ellipse: s-maj=54.6km s-min=20.6km az=98.0.
GUC Error ellipse: s-maj=2.2km s-min=8.9km az=-1.0.
GUC VII 21 20 18 12.0–.85 21.37S 67.60W 206–30 3.5L
¶13597015

GUC Error ellipse: s-maj=9.7km s-min=28.4km az=-1.0.
ISC VII 22 14 28 13.6–.56 20.66S–.05 68.76W–.10 104–9 3.8b 19 1-145
ISCJB VII 22 14 28 12.5–.55 20.67S–.05 68.8W–.10 112–9 3.8b **¶11812364**
GUC VII 22 14 28 14.1–.82 20.69S 69.13W 118–6 4.5L
IDC VII 22 14 28 16.5–4.5 20.65S 68.51W 131–29 3.7,3.6b
NEIC VII 22 14 28 16.1–1.9 20.69S 68.51W 124–14 3.9b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=8.4km az=176.5.
GUC Error ellipse: s-maj=2.3km s-min=12.6km az=-1.0.
IDC Error ellipse: s-maj=59.5km s-min=25.2km az=37.0.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=14.0km az=67.0.
ISC VII 23 16 03 37.3–.71 19.54S–.05 68.78W–.07 10 4.2b 21 1-152
ISCJB VII 23 16 03 35.8–.73 19.54S–.05 68.71W–.07 10 4.2b **¶11812450**
IDC VII 23 16 03 36.5–1.2 19.86S 68.31W 0 4.5,4.3b
GUC VII 23 16 03 37.0–.89 19.70S 68.84W 10–0 4.2L,4.3b
NEIC VII 23 16 03 41.8–1.2 19.92S 68.31W 36–12 4.2L,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=7.0km az=174.3.
IDC Error ellipse: s-maj=45.6km s-min=19.9km az=87.0.
GUC Error ellipse: s-maj=2.5km s-min=5.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=11.8km az=88.0.
GUC VII 23 17 16 13.0–.74 21.61S 68.60W 148–10 3.6L
¶13597086

GUC Error ellipse: s-maj=3.0km s-min=11.7km az=-1.0.
ISC VII 26 17 39 26.3–.42 21.55S–.03 68.16W–.03 101–3 4.7b 557 1-173
ISCJB VII 26 17 39 25.8–.43 21.54S–.03 68.23W–.04 111–3 4.7b **¶11153783**
GUC VII 26 17 39 27.5–.76 21.55S 68.59W 138–9 4.9L
NEIC VII 26 17 39 29.8–.20 21.56S 68.24W 137 4.7b
LDG VII 26 17 39 30.2–.28 20.88S 68.19W 130–0 4.8b
IDC VII 26 17 39 30.3–.70 21.39S 68.13W 135–5 4.6,4.6
BJI VII 26 17 39 31.8 21.60S 68.20W 136 5.0b,4.6
MOS VII 26 17 39 31.5–1.2 21.25S 68.29W 153 4.6b,4.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.9km az=42.5.
GUC Error ellipse: s-maj=2.9km s-min=10.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.7km az=224.0. Felt [II] at Maria Elena.
LDG Event type ke. Error ellipse: s-maj=17.6km s-min=9.4km az=11.0.

IDC Error ellipse: s-maj=17.8km s-min=12.7km az=54.0.
MOS Error ellipse: s-maj=12.3km s-min=7.1km az=97.5.
ISC VII 31 21 47 59.8–.56 21.05S–.04 68.33W–.08 146–5 3.9b 36 1-145
ISCJB VII 31 21 47 58.9–.57 21.05S–.04 68.36W–.09 153–6 3.9b **¶11813033**
NEIC VII 31 21 47 59.3–1.1 21.11S 68.38W 143–11 3.8b
GUC VII 31 21 48 00.3–.81 21.02S 68.55W 150–0 4.0L
IDC VII 31 21 48 00.4–2.4 21.05S 68.16W 152–23 4.0b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=6.6km az=178.9.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.8km az=77.0.
GUC Error ellipse: s-maj=2.8km s-min=7.8km az=-1.0.
IDC Error ellipse: s-maj=44.0km s-min=20.6km az=85.0.
ISC VIII 01 02 56 40.7–.47 21.99S–.04 67.09W–.05 164–3 4.5b 506 2-173
ISCJB VIII 01 02 56 40.0–.47 21.99S–.04 67.14W–.05 173–3 4.5b **¶11154059**
NEIC VIII 01 02 56 40.7–.53 22.02S 67.19W 170–5 4.6b
IDC VIII 01 02 56 41.8–1.2 22.01S 67.17W 180–10 4.4,4.3
GUC VIII 01 02 56 43.8–.91 21.94S 67.72W 217–31 5.2L,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.0km az=142.7.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.3km az=64.0.
IDC Error ellipse: s-maj=16.7km s-min=10.9km az=69.0.
GUC Error ellipse: s-maj=8.6km s-min=26.7km az=-1.0.
GUC VIII 01 15 29 22.9–.56 21.92S 67.76W 213–23 3.6L
¶13808497
GUC Error ellipse: s-maj=7.3km s-min=22.2km az=-1.0.
ISC VIII 02 05 58 27.5–.52 22.05S–.04 67.22W–.05 169–4 4.0b 217 2-169
ISCJB VIII 02 05 58 26.6–.54 22.04S–.04 67.25W–.05 178–4 4.0b **¶11160910**
NEIC VIII 02 05 58 27.3 22.17S 67.59W 200 4.2b
IDC VIII 02 05 58 27.5–1.6 21.97S 67.19W 172–14 4.1s,4.1
GUC VIII 02 05 58 27.3–.74 22.17S 67.59W 200–0 5.0L,4.1
BJI VIII 02 05 58 29.6 22.20S 67.33W 198 4.7b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.5km az=154.6.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=20.1km s-min=11.9km az=67.0.
GUC Error ellipse: s-maj=5.3km s-min=7.6km az=-1.0.
GUC VIII 05 10 29 12.1–.59 21.14S 68.99W 99–51 3.9,3.8L
¶13808667
GUC Error ellipse: s-maj=19.8km s-min=45.5km az=-1.0.
GUC VIII 06 10 35 37.5–.66 21.44S 67.64W 200–0 3.8L
¶13810076
GUC Error ellipse: s-maj=3.3km s-min=7.3km az=-1.0.
GUC VIII 06 19 25 26.0–.72 19.73S 68.85W 1–7 3.7L
¶13810081
GUC Error ellipse: s-maj=2.3km s-min=4.3km az=-1.0.
ISC VIII 07 16 22 06.4–1.2 21.94S–.08 68.9W–.40 136–22 12 1-146
GUC VIII 07 16 22 04.6–.82 21.96S 68.79W 129–14 3.8L **¶12580962**
IDC VIII 07 16 22 04.8–13 22.22S 68.17W 104–115 3.3L,3.1
ISCJB VIII 07 16 22 05.5–1.3 21.94S–.08 68.9W–.40 136–25 3.3L,3.1
ISC VIII 08 22 10 06.6–.50 20.57S–.05 68.61W–.06 97–8 4.2b 22 1-153
ISCJB VIII 08 22 10 05.5–.52 20.55S–.05 68.59W–.07 100–8 4.2b **¶11907975**
GUC VIII 08 22 10 07.6–.40 20.63S 69.01W 121–5 4.1L
IDC VIII 08 22 10 10.8–2.7 20.53S 68.33W 126–22 3.8b,3.6
NEIC VIII 08 22 10 11.4–.93 20.49S 68.30W 138–9 4.0b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=8.4km az=13.2.
GUC Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=30.0km s-min=23.5km az=101.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.9km az=95.0.
ISC VIII 09 00 40 56.6–.82 18.92S–.06 68.7W–.10 147–11 3.8b 17 3-89
ISCJB VIII 09 00 40 55.9–.84 18.90S–.06 68.7W–.10 152–11 3.8b **¶11907977**
NEIC VIII 09 00 40 56.6–1.0 18.88S 68.72W 145–14 3.9b
IDC VIII 09 00 40 56.6–2.0 18.88S 68.63W 144–16 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=10.1km az=169.2.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.3km az=74.0.
IDC Error ellipse: s-maj=26.9km s-min=19.3km az=66.0.
ISC VIII 09 11 03 39.4–1.1 20.83S–.08 68.7W–.10 115–13 4.1b 12 5-153
ISCJB VIII 09 11 03 38.3–1.3 20.82S–.08 68.7W–.10 122–14 4.1b **¶11907990**
NEIC VIII 09 11 03 39.0–.99 20.82S 68.68W 108–10 4.2b
IDC VIII 09 11 03 38.8–2.4 20.79S 68.74W 110–20 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=13.2km az=7.2.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.3km az=99.0.
IDC Error ellipse: s-maj=29.9km s-min=22.6km az=58.0.
GUC VIII 13 17 06 54.2–.63 20.67S 68.29W 187–8 3.9L,3.8
¶13827314
GUC Error ellipse: s-maj=2.0km s-min=10.0km az=-1.0.
GUC VIII 23 13 55 43.8–.75 21.59S 68.49W 111–43 3.5L
¶13827828
GUC Error ellipse: s-maj=4.5km s-min=40.2km az=-1.0.
ISC VIII 23 21 25 29.5–.78 21.03S–.06 67.8W–.10 202–12 3.7b 13 2-145
ISCJB VIII 23 21 25 28.7–.79 21.04S–.06 67.8W–.10 207–12 3.7b **¶12581326**
GUC VIII 23 21 25 28.7–.32 21.04S 67.82W 200–0 4.0L
IDC VIII 23 21 25 32.1–3.5 20.75S 67.28W 213–23 3.7b,3.6
ISCJB Error ellipse: s-maj=18.4km s-min=10.4km az=179.7.
GUC Error ellipse: s-maj=2.4km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=59.1km s-min=23.0km az=52.0.
ISC VIII 24 08 13 31.1–.72 20.67S–.05 68.9W–.20 109–18 14 1-145
ISCJB VIII 24 08 13 30.1–.72 20.66S–.05 69.0W–.20 117–17 **¶11908684**
NEIC VIII 24 08 13 31.3 20.68S 69.19W 117 3.7
GUC VIII 24 08 13 31.3–.34 20.68S 69.19W 117–6 3.7L
IDC VIII 24 08 13 32.5–8.0 20.53S 68.65W 107–39 3.9s,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.0km s-min=8.5km az=179.4.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.3km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=140.2km s-min=36.7km az=60.0.
GUC VIII 24 18 05 56.2–.68 21.79S 68.77W 120–14 3.5L
¶13827856
GUC Error ellipse: s-maj=2.4km s-min=12.6km az=-1.0.
ISC VIII 25 04 55 26.8–.81 21.51S–.05 68.4W–.10 127–19 17 1-145
ISCJB VIII 25 04 55 25.8–.83 21.51S–.05 68.3W–.20 129–20 **¶11908734**
NEIC VIII 25 04 55 26.8–1.2 21.65S 68.03W 110–13
IDC VIII 25 04 55 27.0–2.6 21.67S 67.96W 106–23 3.8b,3.1
GUC VIII 25 04 55 27.8–.48 21.44S 68.64W 140–0 3.7L,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=8.6km az=4.4.
NEIC Event type se. Error ellipse: s-maj=30.5km s-min=12.5km az=100.0.
IDC Error ellipse: s-maj=56.9km s-min=26.9km az=99.0.
GUC Error ellipse: s-maj=1.9km s-min=5.3km az=-1.0.
ISC VIII 26 00 20 20.6–1.1 20.38S–.05 68.7W–.10 118–10 4.4b 26 4-145
ISCJB VIII 26 00 20 18.0–1.3 20.41S–.05 68.8W–.10 111–13 4.4b **¶11908817**
IDC VIII 26 00 20 20.5–2.6 20.43S 68.80W 118–21 4.2b,4.1
NEIC VIII 26 00 20 21.2–1.0 20.40S 68.69W 124–10 4.5b,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=21.9km s-min=8.5km az=0.3.
IDC Error ellipse: s-maj=33.8km s-min=20.2km az=85.0.
NEIC Event type fe. Error ellipse: s-maj=16.2km s-min=7.5km az=92.0. Felt at Iquique, Chile.
GUC IX 01 00 05 39.5–.42 21.86S 67.94W 224–17 3.8L
¶13844917
GUC Error ellipse: s-maj=2.1km s-min=20.2km az=-1.0.
GUC IX 01 19 23 26.8–.88 20.46S 69.00W 130–17 4.1L
¶13844923
GUC Error ellipse: s-maj=4.1km s-min=19.2km az=-1.0.
ISC IX 02 14 45 26.6–1.4 21.48S–.09 68.4W–.20 112–15 3.7b 9 5-145
ISCJB IX 02 14 45 25.7–1.6 21.46S–.09 68.4W–.20 118–17 3.7b **¶11909283**
IDC IX 02 14 45 25.6–2.6 21.47S 68.54W 102–22 4.0,3.9b
NEIC IX 02 14 45 26.6–1.4 21.43S 68.49W 107–13 3.6b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.7km s-min=15.1km az=3.4.

IDC Error ellipse: s-maj=38.0km s-min=25.7km az=92.0.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=12.9km az=94.0.
ISC IX 04 14 35 17.5–.95 18.43S–.07 68.94W–.09 143–10 3.8b 16 2-150
ISCJB IX 04 14 35 16.8–.96 18.40S–.07 68.93W–.08 152–10 3.8b **¶11909464**
IDC IX 04 14 35 16.8–1.5 18.43S 68.99W 135–13 3.9,3.7b
NEIC IX 04 14 35 16.6–.89 18.42S 69.02W 134–10 4.6b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=11.6km az=157.4.
IDC Error ellipse: s-maj=18.1km s-min=14.5km az=63.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.2km az=68.0.
ISC IX 06 16 48 56.7–1.4 21.53S–.09 69.0W–.20 83–16 3.9b 11 5-146
IDC IX 06 16 48 54.0–3.1 21.36S 69.11W 48–34 4.0,4.0 **¶11909617**
ISCJB IX 06 16 48 55.4–1.7 21.48S–.07 69.0W–.20 87–20 3.9b,4.0
NEIC IX 06 16 48 56.1–1.5 21.54S 68.99W 76–15 3.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=26.4km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=11.0km az=4.9.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=14.9km az=95.0.
IDC IX 07 07 10 56.4–2.8 19.67S 68.84W 125–25 3.5b,3.5
¶11909699
IDC Error ellipse: s-maj=38.2km s-min=24.7km az=84.0.
IDC IX 07 18 22 44.4–6.0 20.51S 68.19W 139–30 3.9b,3.7
¶11909745
IDC Error ellipse: s-maj=101.8km s-min=26.0km az=66.0.
ISC IX 07 22 11 14.5–1.1 20.98S–.06 68.8W–.10 93–13 4.2b 22 5-145
ISCJB IX 07 22 11 13.1–1.3 21.01S–.06 68.8W–.10 94–16 4.2b **¶11909758**
NEIC IX 07 22 11 14.0–1.1 20.92S 68.87W 83–14 3.9b
IDC IX 07 22 11 14.5–2.4 20.94S 68.84W 100–20 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=8.4km az=16.3.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.7km az=109.0.
IDC Error ellipse: s-maj=40.9km s-min=17.4km az=107.0.
ISC IX 11 03 41 34.0–1.6 19.67S–.09 68.8W–.10 137–18 3.8b 14 3-152
ISCJB IX 11 03 41 33.0–1.8 19.68S–.10 68.8W–.20 143–19 3.8b **¶11910025**
IDC IX 11 03 41 32.6–1.9 19.66S 68.90W 127–13 3.8,3.6
NEIC IX 11 03 41 33.5–1.3 19.66S 68.80W 134–12 4.2b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.5km s-min=13.3km az=156.8.
IDC Error ellipse: s-maj=29.2km s-min=20.1km az=60.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=9.2km az=69.0.
ISC IX 12 19 07 19.7–.79 21.99S–.04 68.42W–.09 96–7 4.4b 49 6-159
ISCJB IX 12 19 07 18.3–.98 21.96S–.04 68.41W–.09 99–9 4.4b **¶11910121**
NEIC IX 12 19 07 19.5–.79 21.94S 68.39W 94–7 4.5b
IDC IX 12 19 07 22.2–2.5 21.85S 68.23W 114–22 4.2,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=6.9km az=166.3.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.1km az=70.0.
IDC Error ellipse: s-maj=21.7km s-min=11.8km az=68.0.
ISC IX 12 22 21 33.6–1.9 20.0S–.10 69.0W–.20 145–18 3.8b 9 4-90
ISCJB IX 12 22 21 32.6–2.1 20.0S–.10 69.0W–.20 153–20 3.8b **¶11910138**
IDC IX 12 22 21 33.2–2.4 19.95S 68.95W 141–21 3.7,3.6b
NEIC IX 12 22 21 33.0–1.8 20.01S 68.98W 142–17 3.9b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.1km s-min=22.1km az=179.1.
IDC Error ellipse: s-maj=25.7km s-min=20.5km az=86.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=17.9km az=87.0.
IDC IX 14 06 18 25.6–2.5 20.80S 68.49W 96–31 3.3b,3.1
¶11910239
IDC Error ellipse: s-maj=90.1km s-min=23.2km az=99.0.
ISC IX 14 13 43 51.3–1.5 21.1S–.10 68.5W–.30 118 3.3b 4 5-145
ISCJB IX 14 13 43 49.5–1.5 21.2S–.10 68.5W–.30 118 3.3b **¶11910263**
IDC IX 14 13 43 51.1–1.2 21.12S 68.54W 118–14 3.4s,3.4b
ISCJB Error ellipse: s-maj=37.6km s-min=17.9km az=7.0.
IDC Error ellipse: s-maj=24.6km s-min=13.7km az=105.0.
ISC IX 16 21 56 40.6–.25 20.45S–.03 68.68W–.05 117 4.7b 81 2-173
ISCJB IX 16 21 56 38.8–.25 20.41S–.03 68.64W–.05 115 4.7b **¶11277611**
NEIC IX 16 21 56 40.6–.28 20.39S 68.62W 115 5.0b
IDC IX 16 21 56 41.3–.48 20.23S 68.70W 119–3 4.2,4.2
GUC IX 16 21 56 42.0–.68 20.87S 68.61W 125–0 4.7L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=7.7.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.4km az=70.0.
IDC Error ellipse: s-maj=17.4km s-min=11.8km az=52.0.
GUC Error ellipse: s-maj=10.4km s-min=12.3km az=-1.0.
GUC IX 17 01 15 21.3–.76 21.81S 68.65W 134–14 3.7L
¶13845229
GUC Error ellipse: s-maj=10.7km s-min=15.0km az=-1.0.
ISC IX 20 07 49 52.0–.73 21.84S–.07 68.27W–.07 108–9 3.8b 28 1-146
ISCJB IX 20 07 49 51.0–.78 21.83S–.07 68.29W–.08 117–9 3.8b **¶11910689**
IDC IX 20 07 49 51.6–2.4 21.72S 68.20W 106–22 3.6,3.5b
GUC IX 20 07 49 53.8–.71 21.85S 68.54W 124–16 4.0L,3.5b
NEIC IX 20 07 49 53.8 21.85S 68.54W 124 3.8b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=11.8km az=178.4.
IDC Error ellipse: s-maj=26.7km s-min=18.2km az=78.0.
GUC Error ellipse: s-maj=7.1km s-min=14.3km az=-1.0.
NEIC Event type se. After GUC.
IDC IX 24 05 47 44.1–8.8 21.34S 68.02W 141–59 4.2b,3.5
¶11910920
IDC Error ellipse: s-maj=89.1km s-min=42.7km az=39.0.
GUC IX 25 09 15 09.0–.80 21.08S 68.71W 120–0 3.9L
¶13845421
GUC Error ellipse: s-maj=10.0km s-min=12.7km az=-1.0.
ISC IX 30 01 41 24.3–1.8 21.5S–.10 68.3W–.40 141–19 4.0b 8 5-145
IDC IX 30 01 41 22.5–7.6 21.52S 68.12W 117–56 4.1b,4.0 **¶11911426**
ISCJB IX 30 01 41 23.1–2.0 21.5S–.10 68.2W–.40 145–20 4.0b,4.0
NEIC IX 30 01 41 24.5–1.8 21.36S 68.18W 134–16 3.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=63.1km s-min=41.1km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=58.0km s-min=16.2km az=176.0.
NEIC Event type se. Error ellipse: s-maj=42.4km s-min=16.2km az=81.0.
ISC IX 30 12 17 34.7–.52 21.09S–.03 68.87W–.09 150–7 4.0b 25 1-145
ISCJB IX 30 12 17 33.9–.53 21.09S–.03 68.86W–.09 152–8 4.0b **¶11911452**
NEIC IX 30 12 17 34.5 21.12S 68.90W 134 3.9
GUC IX 30 12 17 34.5–.54 21.12S 68.90W 134–5 3.9L,3.9
IDC IX 30 12 17 36.0–2.8 21.07S 68.36W 132–27 3.9b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=5.7km az=0.6.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=36.6km s-min=22.8km az=107.0.
ISC X 02 03 42 51.2–.65 21.46S–.05 68.7W–.10 136–16 22 1-77
NEIC X 02 03 42 49.7–1.1 21.41S 68.89W 129–19 **¶11911680**
IDC X 02 03 42 49.0–2.5 21.46S 68.96W 124–23 3.1,3.0
ISCJB X 02 03 42 50.2–.64 21.45S–.05 68.7W–.20 145–16 3.1,3.0
GUC X 02 03 42 52.0–.69 21.42S 68.75W 124–12 4.1L,3.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=11.6km az=96.0.
IDC Error ellipse: s-maj=67.9km s-min=15.7km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=25.3km s-min=7.6km az=11.0.
GUC Error ellipse: s-maj=8.1km s-min=14.4km az=-1.0.
IDC X 02 07 21 21.2–1.8 21.40S 68.39W 112–18 4.5s,4.5
¶11911693
IDC Error ellipse: s-maj=34.2km s-min=13.6km az=88.0.
ISC X 03 09 49 57.8–.56 21.76S–.04 68.54W–.07 123–7 3.9b 27 1-133
ISCJB X 03 09 49 56.6–.55 21.76S–.04 68.55W–.07 131–6 3.8b **¶12065774**
NEIC X 03 09 49 56.5 21.75S 68.58W 124 3.6
GUC X 03 09 49 56.5–.49 21.75S 68.58W 124–4 3.6L,3.6
IDC X 03 09 49 58.8–2.8 21.75S 68.27W 129–26 3.4b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.6km az=176.5.

NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.4km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=38.2km s-min=23.2km az=95.0.
ISC X 06 00 18 29.3–.19 18.38S–.04 68.90W–.03 138 4.9b 885 2-171
LDG X 06 00 18 12.0–.70 17.54S 69.70W 10–0 5.2b **¶11331041**
BJI X 06 00 18 26.4 18.30S 68.70W 105 5.2b
IDC X 06 00 18 27.9–.58 18.50S 69.06W 133–4 4.8,4.8
NEIC X 06 00 18 28.5–.17 18.40S 68.93W 135 5.0b,4.8
ISCJB X 06 00 18 28.2–.23 18.18S–.05 68.95W–.03 136 4.9b,4.8
MOS X 06 00 18 29.7–.96 18.20S 69.02W 152 5.1b,4.8
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=46.8km s-min=11.6km az=63.0.
IDC Error ellipse: s-maj=12.5km s-min=9.5km az=86.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=218.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.6km az=21.2.
MOS Error ellipse: s-maj=9.4km s-min=5.9km az=93.1.
ISC X 07 21 46 10.3–.61 21.72S–.05 68.44W–.08 136–8 30 1-146
ISCJB X 07 21 46 09.4–.64 21.76S–.06 68.48W–.09 147–8 **¶12066293**
GUC X 07 21 46 11.0–.75 21.73S 68.57W 133–17 4.1L
NEIC X 07 21 46 11.0 21.73S 68.57W 133 3.7b
IDC X 07 21 46 13.7–5.6 21.36S 67.88W 144–29 4.0b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=9.6km az=176.0.
GUC Error ellipse: s-maj=10.6km s-min=19.0km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=90.6km s-min=25.8km az=62.0.
IDC X 14 04 50 50.3–2.9 20.73S 68.80W 98–25 4.0b,3.7
¶12068596
IDC Error ellipse: s-maj=70.8km s-min=22.1km az=90.0.
ISC X 14 16 16 48.4–.79 21.46S–.08 68.8W–.10 111–11 3.8b 19 1-153
ISCJB X 14 16 16 47.3–.82 21.46S–.08 68.8W–.10 118–11 3.8b **¶12068623**
NEIC X 14 16 16 48.3–.87 21.39S 68.73W 111–9 4.2b
GUC X 14 16 16 49.1–.73 21.60S 68.83W 115–13 3.9L
IDC X 14 16 16 49.6–7.1 21.38S 68.59W 118–66 3.7b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=12.1km az=17.5.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=10.1km az=93.0.
GUC Error ellipse: s-maj=10.1km s-min=16.9km az=-1.0.
IDC Error ellipse: s-maj=46.0km s-min=30.6km az=174.0.
ISC X 15 21 17 48.0–.72 21.49S–.05 68.53W–.09 123–10 4.1b 32 1-145
IDC X 15 21 17 46.9–2.4 21.42S 68.47W 108–22 3.9b,3.6 **¶12068714**
ISCJB X 15 21 17 47.2–.73 21.52S–.05 68.56W–.10 134–9 4.0b,3.6
GUC X 15 21 17 48.7–.68 21.44S 68.73W 126–14 4.2L,3.6
NEIC X 15 21 17 48.7 21.44S 68.73W 126 4.1b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=21.8km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=8.0km az=176.9.
GUC Error ellipse: s-maj=12.2km s-min=19.5km az=-1.0.
NEIC Event type se. After GUC.
GUC X 16 19 04 06.8–.46 22.62S 67.98W 144–21 4.1L
¶13932495
GUC Error ellipse: s-maj=6.6km s-min=13.2km az=-1.0.
IDC X 18 16 30 43.6–2.7 21.18S 68.28W 132–25 4.1b,3.8
¶12068985
IDC Error ellipse: s-maj=48.7km s-min=21.1km az=97.0.
ISC X 18 17 25 16.4–.96 19.58S–.06 68.7W–.10 129–11 4.2b 26 3-152
ISCJB X 18 17 25 15.5–1.0 19.59S–.06 68.7W–.10 137–12 4.2b **¶12068988**
NEIC X 18 17 25 16.2–1.1 19.49S 68.65W 124–12 4.4b
IDC X 18 17 25 19.4–2.1 19.35S 68.36W 148–19 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=9.1km az=177.9.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=10.7km az=79.0.
IDC Error ellipse: s-maj=25.4km s-min=17.7km az=90.0.
ISC X 25 19 40 05.2–1.4 19.59S–.10 68.5W–.10 119–17 4.2b 15 3-152
ISCJB X 25 19 40 04.4–1.5 19.6S–.10 68.5W–.10 128–18 4.2b **¶12071095**
NEIC X 25 19 40 04.5–1.5 19.61S 68.56W 126–13 4.1b
IDC X 25 19 40 05.7–2.0 19.46S 68.63W 132–17 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=17.1km az=167.9.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=15.6km az=77.0.
IDC Error ellipse: s-maj=24.2km s-min=18.5km az=106.0.
ISC X 28 06 48 55.5–.66 20.57S–.04 68.9W–.10 108–8 4.1b 31 2-153
ISCJB X 28 06 48 54.4–.65 20.58S–.04 68.9W–.10 117–8 4.1b **¶12071310**
GUC X 28 06 48 55.9–.72 20.61S 69.26W 100–0 4.4L
NEIC X 28 06 48 56.4–1.1 20.58S 68.79W 116–10 4.3b
IDC X 28 06 48 57.0–2.6 20.58S 68.79W 121–22 4.1,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=6.6km az=177.6.
GUC Error ellipse: s-maj=2.0km s-min=10.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=9.8km az=89.0.
IDC Error ellipse: s-maj=27.0km s-min=20.9km az=75.0.
ISC X 29 18 24 51.9–1.7 20.55S–.08 68.5W–.20 116–17 3.8b 20 4-152
ISCJB X 29 18 24 49.6–2.0 20.58S–.08 68.6W–.20 112–19 3.8b **¶12071513**
NEIC X 29 18 24 51.8–.40 20.61S 68.50W 114 3.9b
IDC X 29 18 24 51.7–.85 20.63S 68.55W 113–7 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.8km s-min=11.1km az=164.4.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=8.3km az=73.0.
IDC Error ellipse: s-maj=29.8km s-min=16.9km az=72.0.
IDC X 30 14 19 44.1–3.2 20.87S 68.50W 127–45 3.5b,3.4
¶12071631
IDC Error ellipse: s-maj=115.6km s-min=24.1km az=102.0.
IDC X 30 18 54 48.1–4.0 20.20S 68.78W 129–29 3.4b,3.4
¶12071655
IDC Error ellipse: s-maj=44.3km s-min=27.4km az=65.0.
ISC XI 01 14 24 59.2–1.1 21.37S–.07 67.3W–.20 182–14 3.6b 18 5-145
NEIC XI 01 14 24 59.7–1.2 21.37S 67.30W 182–13 3.6b **¶12071857**
IDC XI 01 14 24 59.2–2.2 21.33S 67.20W 176–19 3.5,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=11.7km az=82.0.
IDC Error ellipse: s-maj=29.6km s-min=19.7km az=81.0.
IDC XI 04 01 54 34.1–9.7 21.07S 67.72W 139–79 3.3b,3.0
¶12072198
IDC Error ellipse: s-maj=121.5km s-min=83.0km az=79.0.
ISC XI 05 12 34 08.7–1.0 21.3S–.10 68.6W–.30 115–25 4.1b 12 1-145
ISCJB XI 05 12 34 07.7–1.1 21.3S–.10 68.6W–.30 124–25 4.1b **¶12072401**
IDC XI 05 12 34 08.3–2.5 21.24S 68.50W 107–29 4.0b,3.6
GUC XI 05 12 34 09.6–.34 21.36S 68.84W 133–6 3.8L,3.6
ISCJB Error ellipse: s-maj=55.8km s-min=12.2km az=17.7.
IDC Error ellipse: s-maj=61.8km s-min=22.2km az=101.0.
GUC Error ellipse: s-maj=5.8km s-min=9.7km az=-1.0.
ISC XI 09 02 01 04.1–1.5 20.02S–.09 69.0W–.20 139–15 3.6b 20 4-152
ISCJB XI 09 02 01 03.0–1.7 20.01S–.09 69.0W–.20 148–16 3.6b **¶12072907**
NEIC XI 09 02 01 03.7–1.3 20.04S 68.98W 136–12 3.9b
IDC XI 09 02 01 03.5–2.0 19.98S 69.05W 137–18 3.5b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.6km s-min=15.0km az=171.6.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=11.4km az=81.0.
IDC Error ellipse: s-maj=26.1km s-min=15.4km az=93.0.
ISC XI 10 06 16 59.4–.80 21.92S–.09 68.33W–.10 123–11 3.3b 22 1-146
ISCJB XI 10 06 16 58.4–.82 21.91S–.09 68.4W–.10 130–11 3.2b **¶12073040**
GUC XI 10 06 16 58.7–.59 21.74S 68.49W 126–17 3.9L
IDC XI 10 06 16 58.5–2.2 21.97S 68.34W 118–21 3.2,3.2
NEIC XI 10 06 16 58.7 21.74S 68.49W 126 3.9,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=14.3km az=173.7.
GUC Error ellipse: s-maj=14.3km s-min=17.6km az=-1.0.
IDC Error ellipse: s-maj=28.0km s-min=18.4km az=74.0.
NEIC Event type se. After GUC.
ISC XI 10 15 47 04.9–.95 19.62S–.06 68.9W–.10 139–10 3.8b 29 3-152
ISCJB XI 10 15 47 04.0–1.0 19.61S–.06 68.8W–.10 149–11 3.8b **¶12073080**
IDC XI 10 15 47 04.5–1.6 19.59S 68.91W 134–15 3.7s,3.7
NEIC XI 10 15 47 05.3–.98 19.52S 68.75W 142–10 4.6b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=9.4km az=165.5.
IDC Error ellipse: s-maj=25.5km s-min=12.5km az=80.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=9.0km az=75.0.
IDC XI 11 18 57 15.4–2.7 20.06S 68.86W 121–22 3.4,3.2b
¶12073205
IDC Error ellipse: s-maj=48.6km s-min=19.9km az=88.0.
IDC XI 15 11 23 25.3–9.0 19.36S 68.80W 0 4.2b,3.9
¶12073623
IDC Error ellipse: s-maj=220.7km s-min=39.2km az=82.0.
ISC XI 19 20 52 07.1–1.2 22.47S–.07 67.5W–.20 142–19 4.0b 23 2-146
ISCJB XI 19 20 52 06.6–1.3 22.47S–.07 67.6W–.20 159–21 4.0b **¶12074180**
NEIC XI 19 20 52 07.2–1.5 22.51S 67.45W 148–17 4.4b
IDC XI 19 20 52 07.9–2.4 22.44S 67.29W 148–24 3.9b,3.8
GUC XI 19 20 52 08.5–.56 22.39S 67.82W 170–0 4.1L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=9.2km az=12.9.
NEIC Event type se. Error ellipse: s-maj=51.6km s-min=12.8km az=96.0.
IDC Error ellipse: s-maj=48.9km s-min=17.3km az=100.0.
GUC Error ellipse: s-maj=6.5km s-min=6.3km az=-1.0.
IDC XI 20 05 41 44.6–7.8 19.43S 68.55W 207–62 3.0b,3.0
¶12074234
IDC Error ellipse: s-maj=110.2km s-min=88.8km az=130.0.
IDC XI 20 11 13 49.7–2.4 21.48S 67.84W 135–20 3.7s,3.7
¶12074257
IDC Error ellipse: s-maj=35.1km s-min=19.3km az=82.0.
ISC XI 24 17 41 26.4–1.9 21.0S–.10 68.9W–.20 119–17 4.0b 17 5-153
ISCJB XI 24 17 41 24.8–2.0 21.0S–.10 69.0W–.20 124–18 4.0b **¶12074701**
IDC XI 24 17 41 25.5–4.7 21.05S 69.01W 114–32 3.8b,3.8
NEIC XI 24 17 41 25.7–1.7 21.00S 68.91W 114–14 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.6km s-min=15.9km az=153.6.
IDC Error ellipse: s-maj=57.8km s-min=22.1km az=28.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=12.6km az=62.0.
ISC XI 27 14 59 04.6–1.7 21.2S–.10 68.4W–.40 127–19 3.8b 10 5-145
IDC XI 27 14 59 01.8–11 21.12S 68.50W 102–97 4.2L,3.7b **¶12075041**
ISCJB XI 27 14 59 03.1–1.8 21.3S–.10 68.4W–.40 127–20 3.8b,3.7b
NEIC XI 27 14 59 04.4–1.2 21.21S 68.45W 127–11 3.5b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=54.3km s-min=36.7km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=57.8km s-min=16.9km az=178.2.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=10.5km az=90.0.
ISC XI 27 20 56 57.8–2.3 20.5S–.20 68.5W–.30 136–20 3.6b 8 4-152
ISCJB XI 27 20 56 56.0–2.4 20.5S–.10 68.6W–.30 136–21 3.6b **¶12075074**
NEIC XI 27 20 56 57.6–1.7 20.46S 68.48W 133–14 3.6b
IDC XI 27 20 56 58.2–10.0 20.57S 68.51W 139–99 4.4L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=50.6km s-min=17.7km az=158.9.
NEIC Event type se. Error ellipse: s-maj=34.7km s-min=11.7km az=68.0.
IDC Error ellipse: s-maj=141.8km s-min=53.1km az=14.0.
ISC XII 02 20 03 24.9–1.0 21.20S–.05 68.61W–.09 86–10 4.4b 54 5-153
ISCJB XII 02 20 03 23.5–1.3 21.14S–.06 68.56W–.10 89–13 4.4b **¶12075538**
IDC XII 02 20 03 24.1–3.1 21.04S 68.48W 77–28 4.2,4.1b
NEIC XII 02 20 03 25.9–1.0 21.22S 68.61W 100–10 4.5b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=7.2km az=151.3.
IDC Error ellipse: s-maj=23.5km s-min=17.9km az=58.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.2km az=72.0.
ISC XII 04 16 47 10.6–.14 21.35S–.03 68.25W–.04 117 5.4b 823 1-177
LDG XII 04 16 46 55.2–.37 21.05S 68.87W 10–0 5.2b,4.3s **¶11492047**
DJA XII 04 16 47 06 23.08S 67.56W 10 5.5b,4.3s
GUC XII 04 16 47 08.2–.84 21.50S 68.63W 122–5 5.3L,4.3s
ISCJB XII 04 16 47 08.8–.13 21.33S–.03 68.38W–.03 115 5.4b,4.3s
MOS XII 04 16 47 08.7–1.1 21.13S 68.41W 108 5.5b,4.6s
IDC XII 04 16 47 08.9–1.5 21.44S 68.28W 107–12 5.1,5.1
NEIC XII 04 16 47 09.6–.15 21.39S 68.29W 115 5.5b,5.5W
BJI XII 04 16 47 10.6 20.58S 67.61W 110 5.4b,5.5W
GCMT XII 04 16 47 15.8–.20 21.62S 68.64W 129–1 5.5W,5.5W
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=49.0km s-min=16.9km az=150.0.
GUC Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=145.7.
MOS Error ellipse: s-maj=11.3km s-min=6.2km az=109.8.
IDC Error ellipse: s-maj=14.2km s-min=11.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.1km az=59.0. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.22 $M_{\theta\theta}$1.16 $M_{\phi\phi}$0.06 $M_{r\theta}$-0.56 $M_{\theta\phi}$0.21 $M_{\phi r}$-1.42 Best double couple: NP1:ϕ_s274.00000°,δ28.00000°,λ-41.00000°. NP2:ϕ_s41.00000° ,δ72.00000°,λ-112.00000°. Principal axes: T 1.5800,Plg23.0000°,Azm148.0000° ; N 0.5900,Plg20.0000°,Azm48.0000°; P -2.1800,Plg57.0000°,Azm281.0000° $M_0$1.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=100, comp=188, per= 50. Moment Tensor Solution. s97,c157; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.82±.04 $M_{\theta\theta}$2.07±.04; $M_{\phi\phi}$-0.25±.05; $M_{r\theta}$-0.19±.03; $M_{\theta\phi}$0.69±.04; $M_{\phi r}$-1.35±.03; Best double couple: NP1:ϕ_s281.00000°,δ44.00000°,λ-46.00000°. NP2:ϕ_s47.00000°,δ60.00000°,λ-124.00000°. Principal axes: T 2.3400,Plg8.0000°,Azm161.0000°; N 0.2600,Plg29.0000°,Azm66.0000° ; P -2.6000,Plg59.0000°,Azm265.0000° $M_0$2.50000×10^{17}
ISC XII 05 14 22 28.6–1.3 21.67S–.09 68.1W–.20 128–15 4.0b 12 5-92
IDC XII 05 14 22 17.2–3.9 20.28S 67.78W 0 4.3b,4.2 **¶12075890**
ISCJB XII 05 14 22 27.6–1.4 21.67S–.09 68.1W–.20 134–16 4.0b,4.2
NEIC XII 05 14 22 28.3–.95 21.64S 68.09W 127–11 4.1b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=132.7km s-min=41.1km az=35.0.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=15.0km az=175.4.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=10.3km az=86.0.
ISC XII 11 18 05 32.3–1.0 21.16S–.07 68.2W–.10 132–11 4.0b 32 5-145
ISCJB XII 11 18 05 31.0–1.1 21.17S–.06 68.2W–.10 137–11 4.0b **¶12076968**
IDC XII 11 18 05 33.9–2.0 20.99S 68.12W 142–17 4.0b,3.9
NEIC XII 11 18 05 33.2–1.2 20.95S 68.02W 136–11 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=9.7km az=167.7.
IDC Error ellipse: s-maj=19.1km s-min=14.2km az=61.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.7km az=61.0.
ISC XII 16 12 03 40.7–1.7 21.45S–.10 68.1W–.20 138–15 3.9b 19 5-145
ISCJB XII 16 12 03 38.9–1.7 21.47S–.10 68.3W–.20 139–16 3.9b **¶12077751**
NEIC XII 16 12 03 39.8–1.8 21.44S 68.29W 133–17 3.6b
IDC XII 16 12 03 44.9–6.6 21.12S 67.93W 165–48 4.0,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.6km s-min=15.2km az=169.3.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=16.6km az=67.0.
IDC Error ellipse: s-maj=66.0km s-min=27.7km az=28.0.
IDC XII 18 14 17 51.4–2.9 20.82S 68.68W 96–22 3.7b,3.5
¶12078062
IDC Error ellipse: s-maj=57.0km s-min=28.8km az=101.0.
ISC XII 19 10 52 58.7–1.2 21.76S–.08 68.2W–.10 112–13 3.6b 20 5-154
ISCJB XII 19 10 52 57.8–1.4 21.76S–.08 68.2W–.10 121–15 3.6b **¶12078203**
IDC XII 19 10 52 58.7–2.3 21.74S 68.38W 111–20 3.5,3.4
NEIC XII 19 10 52 58.3–1.1 21.77S 68.36W 110–10 4.4b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=13.1km az=22.7.
IDC Error ellipse: s-maj=29.3km s-min=19.8km az=80.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=10.8km az=87.0.
ISC XII 20 19 56 43.4–.87 21.28S–.07 67.7W–.10 116–12 4.0b 20 2-145
ISCJB XII 20 19 56 42.2–.93 21.27S–.07 67.7W–.10 124–13 4.0b **¶12078379**
IDC XII 20 19 56 43.8–2.3 21.19S 67.77W 127–23 3.7b,3.6
NEIC XII 20 19 56 43.0–.67 21.18S 67.89W 124–7 3.7b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=9.4km az=26.8.
IDC Error ellipse: s-maj=26.8km s-min=18.0km az=113.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=8.4km az=115.0.

ISC XII 21 06 48 15.1–.39 22.87S–.03 67.99W–.04 103–3 4.9b 218 0-174
NEIC XII 21 06 48 14.9–.39 22.88S 67.97W 106–3 4.9b **¶11517264**
ISCJB XII 21 06 48 14.0–.41 22.89S–.03 68.00W–.04 109–3 4.9b
GUC XII 21 06 48 16.5–.82 22.82S 68.27W 116–4 5.3L
IDC XII 21 06 48 17.7–.50 22.83S 68.04W 127–4 4.7,4.7
BJI XII 21 06 48 17.9 22.80S 67.90W 103 5.4b,4.7
LDG XII 21 06 48 18.2–.30 21.94S 68.27W 124–0 5.2b,4.1s
GCMT XII 21 06 48 21.8–.20 22.94S 68.34W 142–1 5.2W,4.1s
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=4.8km az=64.0. Felt at Antofagasta.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.1km az=166.4.
GUC Error ellipse: s-maj=4.0km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=13.8km s-min=11.4km az=71.0.
LDG Event type ke. Error ellipse: s-maj=30.6km s-min=16.0km az=149.0.
GCMT Event type se. Data Used: II IU G IC. Surface waves: sta= 79, comp=121, per= 50. Moment Tensor Solution. s45,c58; s99,c193; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.31±.20 $M_{\theta\theta}$-0.43±.23; $M_{\phi\phi}$2.74±.28; $M_{r\theta}$3.52±.13; $M_{\theta\phi}$-0.46±.20; $M_{\phi r}$-6.71±.16; Best double couple: NP1:ϕ_s193.00000°,δ11.00000°,λ-51.00000°. NP2:ϕ_s333.00000°,δ81.00000°,λ-97.00000°. Principal axes: T 8.0900,Plg36.0000°,Azm70.0000°; N -0.1600,Plg7.0000°,Azm334.0000° ; P -7.9300,Plg53.0000°,Azm235.0000° $M_0$8.00000×10^{16}
ISC XII 21 21 14 30.5–.58 21.25S–.06 67.11W–.09 173–8 3.9b 26 2-153
ISCJB XII 21 21 14 29.6–.60 21.26S–.06 67.13W–.09 180–8 3.9b **¶12078494**
IDC XII 21 21 14 30.8–2.0 21.18S 67.18W 171–16 3.9b,3.8
NEIC XII 21 21 14 30.3–.77 21.24S 67.16W 169–8 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=7.4km az=23.7.
IDC Error ellipse: s-maj=21.7km s-min=18.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=9.8km az=109.0.
ISC XII 22 12 53 51.2–.61 21.45S–.05 68.09W–.08 108–6 4.0b 34 1-153
ISCJB XII 22 12 53 50.0–.63 21.44S–.06 68.10W–.08 113–6 4.0b **¶12078563**
NEIC XII 22 12 53 51.0–.83 21.54S 68.16W 112–8 4.0b
IDC XII 22 12 53 53.2–2.7 21.33S 68.04W 124–22 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=8.8km az=18.3.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.0km az=99.0.
IDC Error ellipse: s-maj=25.2km s-min=14.4km az=51.0.
ISC XII 22 13 40 58.3–.55 22.39S–.05 67.87W–.07 132–7 3.9b 54 1-146
IDC XII 22 13 40 55.8–3.0 22.36S 67.93W 104–28 3.9b,3.9 **¶12078569**
ISCJB XII 22 13 40 57.4–.55 22.38S–.05 67.90W–.07 140–7 3.9b,3.9
NEIC XII 22 13 40 57.9–.64 22.47S 67.82W 127–8 4.5b,3.9
GUC XII 22 13 40 58.7–.69 22.40S 68.22W 159–9 4.2L,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=30.7km s-min=21.1km az=100.0.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=7.2km az=13.7.
NEIC Event type fe. Error ellipse: s-maj=12.7km s-min=10.3km az=115.0. Felt at Calama, Chile.
GUC Error ellipse: s-maj=5.3km s-min=9.1km az=-1.0.
IDC XII 26 02 58 33.5–4.9 21.90S 68.51W 0 3.4b,3.3
¶12078987
IDC Error ellipse: s-maj=148.8km s-min=56.4km az=71.0.
ISC XII 26 09 04 26.2–.40 21.50S–.03 68.47W–.04 84–3 4.6b 381 1-173
ISCJB XII 26 09 04 25.1–.41 21.48S–.03 68.46W–.04 91–3 4.6b **¶11519274**
NEIC XII 26 09 04 26.3–.49 21.53S 68.56W 91–4 4.8b
GUC XII 26 09 04 26.2–.67 21.59S 68.76W 108–4 4.6L
IDC XII 26 09 04 28.6–.72 21.52S 68.52W 111–5 4.2,4.1
BJI XII 26 09 04 28.1 21.50S 68.40W 99 4.9b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.3km az=171.4.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.0km az=95.0.
GUC Error ellipse: s-maj=2.0km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=20.0km s-min=14.4km az=31.0.
IDC XII 26 22 19 18.5–9.3 21.17S 68.25W 99–70 3.1b,3.0L
¶12079108
IDC Error ellipse: s-maj=119.5km s-min=67.9km az=81.0.
IDC XII 31 07 44 53.5–5.7 19.54S 68.83W 131–35 3.3b,3.3
¶12079636
IDC Error ellipse: s-maj=77.9km s-min=31.8km az=46.0.

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ISC VII 13 19 30 26.2–.49 21.72S–.04 66.99W–.04 168–4 4.4b 244 2-173
ISCJB VII 13 19 30 25.3–.50 21.71S–.04 67.01W–.05 177–4 4.4b **¶11121227**
NEIC VII 13 19 30 26.4–.66 21.74S 67.11W 176–6 4.4b
IDC VII 13 19 30 28.9–.64 21.66S 67.00W 196–5 4.2,4.2
GUC VII 13 19 30 28.1–.57 21.68S 67.64W 220–0 5.5L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.5km az=138.7.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.1km az=70.0.
IDC Error ellipse: s-maj=16.3km s-min=8.9km az=74.0.
GUC Error ellipse: s-maj=3.4km s-min=6.6km az=-1.0.
ISC VII 28 08 13 39.2–1.1 19.6S–.10 67.2W–.20 223–12 11 3-90
ISCJB VII 28 08 13 38.4–1.1 19.6S–.10 67.2W–.20 231–11 **¶11812770**
IDC VII 28 08 13 38.9–2.1 19.55S 67.19W 220–15 3.5,3.3b
NEIC VII 28 08 13 39.1–1.0 19.60S 67.14W 225–11 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=16.2km az=166.7.
IDC Error ellipse: s-maj=31.2km s-min=20.9km az=43.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=14.7km az=92.0.
IDC VIII 07 14 22 46.3–1.9 21.56S 66.53W 206–20 3.2,3.1
¶12580958
IDC Error ellipse: s-maj=27.6km s-min=19.7km az=105.0.
ISC VIII 09 23 34 21.7–.61 21.39S–.06 65.72W–.08 284–10 3.7b 34 4-131
ISCJB VIII 09 23 34 20.8–.61 21.44S–.06 65.73W–.08 295–10 3.7b **¶11908012**
NEIC VIII 09 23 34 21.4–.85 21.41S 65.70W 281–12 3.7b
IDC VIII 09 23 34 22.6–1.3 21.23S 65.57W 293–16 3.5,3.4b
GUC VIII 09 23 34 23.0–.85 21.51S 66.10W 290–0 4.9L,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=9.5km az=1.4.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.6km az=102.0.
IDC Error ellipse: s-maj=21.6km s-min=15.8km az=81.0.
GUC Error ellipse: s-maj=10.7km s-min=6.2km az=-1.0.
ISC VIII 09 23 58 27.9–.51 21.43S–.04 66.52W–.06 225–5 4.5b 73 3-153
BJI VIII 09 23 58 26.6 21.40S 66.60W 224 4.5b **¶11160954**
ISCJB VIII 09 23 58 27.1–.51 21.43S–.04 66.54W–.06 235–5 4.5b
NEIC VIII 09 23 58 27.7–.76 21.42S 66.56W 225–8 4.6b
IDC VIII 09 23 58 29.2–1.2 21.34S 66.41W 239–11 4.0,4.0
GUC VIII 09 23 58 29.1–.65 21.40S 66.99W 250–0 5.4L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.6km az=176.4.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.5km az=71.0.
IDC Error ellipse: s-maj=14.7km s-min=10.0km az=73.0.
GUC Error ellipse: s-maj=5.1km s-min=6.3km az=-1.0.
IDC VIII 22 03 46 33.8–9.3 21.84S 66.76W 184–65 3.2,3.1b
¶12581283
IDC Error ellipse: s-maj=98.4km s-min=31.1km az=20.0.
ISC VIII 27 04 42 07.2–.20 21.71S–.04 65.59W–.03 276 4.8b 759 6-171
ISCJB VIII 27 04 42 05.6–.18 21.72S–.04 65.67W–.03 274 4.8b **¶11222339**
IDC VIII 27 04 42 05.4–.55 21.85S 65.71W 266–4 4.5,4.5
NEIC VIII 27 04 42 06.8–.16 21.74S 65.68W 277 4.9b,4.5
LDG VIII 27 04 42 08.9–.42 21.63S 65.55W 300–0 4.7b,3.1s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=21.1.
IDC Error ellipse: s-maj=12.6km s-min=7.3km az=70.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.4km az=211.0.
LDG Event type ke. Error ellipse: s-maj=37.0km s-min=15.3km az=165.0.
ISC IX 01 21 59 40.6–3.8 19.90S–.06 63.49W–.07 6–25 4.3b 12 5-151
IDC IX 01 21 59 40.1–1.7 19.83S 63.46W 0 4.7b,4.3L **¶11909246**
NEIC IX 01 21 59 40.6–.66 20.00S 63.46W 10 4.4b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=20.2km az=34.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=11.1km az=88.0.
ISC IX 13 10 41 51.5–.57 22.00S–.06 63.76W–.08 519–8 3.8b 34 6-153
ISCJB IX 13 10 41 50.9–.58 22.08S–.05 63.74W–.08 528–9 3.8b **¶11910175**
IDC IX 13 10 41 51.1–1.1 21.99S 63.62W 516–11 3.5,3.5
NEIC IX 13 10 41 51.6–.64 22.04S 63.68W 535–15 3.8b,3.5
BJI IX 13 10 41 55.5 22.00S 63.70W 534 3.8b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=8.3km az=171.6.
IDC Error ellipse: s-maj=16.2km s-min=11.2km az=85.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=11.0km az=88.0.
ISC IX 16 14 23 45.0–.95 21.58S–.06 66.6W–.20 199–13 3.6b 18 5-144
ISCJB IX 16 14 23 43.6–1.1 21.60S–.06 66.5W–.20 199–15 3.6b **¶11910404**
IDC IX 16 14 23 47.4–1.5 21.33S 66.46W 225–16 3.5,3.4b
NEIC IX 16 14 23 47.8–.97 21.38S 66.49W 233–9 4.1b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.7km s-min=10.1km az=179.4.
IDC Error ellipse: s-maj=20.5km s-min=14.0km az=72.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.0km az=70.0.
IDC X 09 20 52 18.0–9.0 21.13S 65.29W 122–57 3.7,3.5b
¶12066462
IDC Error ellipse: s-maj=111.7km s-min=32.5km az=25.0.
ISC X 12 20 55 41.9–.12 20.18S–.03 64.98W–.02 358 6.0b 1178 4-175
GUC X 12 20 55 39.0–.76 20.47S 66.14W 394–10 5.8b **¶11346104**
LDG X 12 20 55 39.8–.28 19.94S 65.26W 345–0 5.9b,5.0s
MOS X 12 20 55 39.7–.76 20.13S 65.07W 348 6.2b,5.0s
ISCJB X 12 20 55 40.5–.12 20.15S–.02 65.03W–.02 356 6.0b,5.0s
BJI X 12 20 55 40.9 19.25S 64.37W 346 5.8b,5.0s
IDC X 12 20 55 40.5–.50 20.28S 65.14W 343–4 5.7,5.7
NEIC X 12 20 55 41.5–.11 20.12S 64.97W 353 6.2W,6.1W
DJA X 12 20 55 41 19.96S 64.02W 300 6.1W,6.1W
IGIL X 12 20 55 43.5 20.02S 64.94W 356 5.4s,5.4b
GCMT X 12 20 55 44.6–.10 20.30S 65.23W 362–0 6.2W,5.4b
SZGRF X 12 20 55 47.2 19.05S 64.85W 362 6.2W,5.4b
BGS X 12 20 55 52.3–1.3 18.80S 63.78W 350–0 5.6b,5.4b
ISC Event type fe.
GUC Error ellipse: s-maj=4.9km s-min=9.8km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=29.6km s-min=12.4km az=103.0.
MOS Error ellipse: s-maj=6.7km s-min=4.5km az=72.2.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=32.4.
IDC Error ellipse: s-maj=8.4km s-min=6.6km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=204.0. Felt at La Paz. Felt [III] at Alto Hospicio and Pozo Almonte; [II] at Arica, Camina, Codpa, Cuya, Huara, Iquique and Putre, Chile. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s175.00000°,δ83.00000°,λ90.00000°. NP2:ϕ_s355.00000°,δ7.00000°,λ90.00000°. Principal axes: T Plg52.0000°,Azm85.0000°; N Plg0.0000°,Azm0.0000°; P Plg38.0000° ,Azm265.0000° Moment Tensor Solution. s112 Moment tensor: Scale 10^{18}Nm; M_{rr}0.04 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$0.33 $M_{r\theta}$0.44 $M_{\theta\phi}$0.43 $M_{\theta r}$-2.26 Best double couple: NP1:ϕ_s256.00000° ,δ13.00000°,λ-2.00000°. NP2:ϕ_s348.00000°,δ90.00000°,λ-103.00000°. Principal axes: T 2.4500,Plg43.0000°,Azm90.0000°; N -0.1800,Plg13.0000°,Azm347.0000° ; P -2.2800,Plg43.0000°,Azm244.0000° $M_0$2.40000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s117,c267; s92,c142; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.02±.01 $M_{\theta\theta}$-0.33±.02; $M_{\phi\phi}$0.35±.02; $M_{r\theta}$0.39±.02; $M_{\theta\phi}$0.62±.02; $M_{\theta r}$-2.13±.02; Best double couple: NP1:ϕ_s257.00000°,δ18.00000°,λ-2.00000°. NP2:ϕ_s349.00000°,δ89.00000°,λ-108.00000°. Principal axes: T 2.3200,Plg42.0000° ,Azm96.0000°; N -0.0900,Plg18.0000°,Azm349.0000°; P -2.2300,Plg43.0000° ,Azm242.0000° $M_0$2.30000×10^{18}
SZGRF Southern Bolivia.
BGS Error ellipse: s-maj=482.1km s-min=230.5km az=-1.0.
IDC X 17 19 23 15.1–8.2 20.28S 67.32W 197–59 4.2b,3.9
¶12068914
IDC Error ellipse: s-maj=96.2km s-min=46.6km az=18.0.
IDC X 19 00 19 30.0–5.2 21.15S 66.85W 0 4.4b,3.8
¶12069011
IDC Error ellipse: s-maj=146.2km s-min=30.1km az=57.0.
ISC X 19 18 33 51.5–.76 19.36S–.07 67.0W–.10 254–9 3.6b 24 3-151
ISCJB X 19 18 33 50.6–.75 19.38S–.07 67.0W–.10 260–9 3.6b **¶12069063**
NEIC X 19 18 33 51.1–.96 19.35S 67.03W 252–11 4.7b
IDC X 19 18 33 51.3–1.2 19.21S 66.78W 250–12 3.2,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=9.9km az=165.4.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=11.3km az=74.0.
IDC Error ellipse: s-maj=25.8km s-min=15.8km az=69.0.
ISC XI 24 00 03 52.2–.75 19.53S–.07 66.5W–.10 248–8 3.7b 35 4-151
ISCJB XI 24 00 03 51.3–.74 19.57S–.05 66.6W–.10 255–8 3.6b **¶12074624**
IDC XI 24 00 03 52.7–1.7 19.55S 66.56W 255–17 3.6,3.5b
NEIC XI 24 00 03 52.5–.67 19.55S 66.55W 252–7 3.7b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=8.3km az=169.1.
IDC Error ellipse: s-maj=19.6km s-min=15.4km az=56.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.0km az=66.0.
ISC XI 29 15 28 33.4–1.1 19.6S–.10 66.4W–.20 254–14 3.3b 9 4-151
IDC XI 29 15 28 01.4–7.1 20.23S 66.69W 0 3.9,3.7 **¶12075266**
ISCJB XI 29 15 28 32.5–1.1 19.6S–.10 66.5W–.20 264–14 3.2b,3.7
NEIC XI 29 15 28 33.0–.92 19.57S 66.46W 249–11 3.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=295.6km s-min=36.9km az=20.0.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=16.8km az=154.3.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=12.6km az=64.0.
ISC XII 10 15 51 46.2–.84 20.27S–.08 66.6W–.10 244–9 3.8b 24 4-152
ISCJB XII 10 15 51 45.5–.85 20.26S–.08 66.5W–.10 253–9 3.8b **¶12076764**
IDC XII 10 15 51 45.3–1.1 20.27S 66.58W 237–9 3.7,3.6b
NEIC XII 10 15 51 46.2–.90 20.28S 66.56W 246–9 4.1b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=10.8km az=159.5.
IDC Error ellipse: s-maj=17.6km s-min=11.4km az=73.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.3km az=71.0.
ISC XII 20 21 02 10.8–.58 21.16S–.05 66.76W–.08 211–7 3.8b 36 2-153
ISCJB XII 20 21 02 09.8–.58 21.19S–.05 66.77W–.08 219–7 3.8b **¶12078383**
NEIC XII 20 21 02 10.4–.69 21.14S 66.76W 211–7 3.9b
IDC XII 20 21 02 11.3–1.3 21.08S 66.69W 218–12 3.7b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=8.0km az=177.5.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.6km az=85.0.
IDC Error ellipse: s-maj=16.5km s-min=11.5km az=65.0.
ISC XII 27 12 56 43.7–.51 21.48S–.04 66.65W–.05 205–4 4.5b 141 2-172
ISCJB XII 27 12 56 42.8–.52 21.47S–.04 66.69W–.05 212–4 4.5b **¶11519519**
BJI XII 27 12 56 42.2 21.50S 66.40W 199 5.5b
IDC XII 27 12 56 45.6–.67 21.41S 66.67W 224–5 4.3,4.3
NEIC XII 27 12 56 45.6–.27 21.53S 66.61W 230 4.6b,4.3
GUC XII 27 12 56 45.0–.48 21.36S 67.29W 249–22 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=176.2.
IDC Error ellipse: s-maj=14.2km s-min=8.9km az=51.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=75.0.
GUC Error ellipse: s-maj=5.0km s-min=22.4km az=-1.0.
ISC XII 30 23 19 34.6–.77 20.82S–.06 67.7W–.10 167–9 3.4b 22 2-153
ISCJB XII 30 23 19 33.8–.77 20.80S–.06 67.7W–.10 175–9 3.4b **¶12079617**
NEIC XII 30 23 19 34.7–.68 20.73S 67.72W 164–8 3.7b
IDC XII 30 23 19 38.3–7.8 20.58S 67.51W 191–52 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=9.9km az=178.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.8km az=98.0.
IDC Error ellipse: s-maj=91.8km s-min=21.0km az=23.0.

(127) Chile-Argentina border region.

ISC VII 02 08 10 47.2–.70 35.03S–.06 70.1W–.10 141–8 4.3b 44 1-121
ISCJB VII 02 08 10 46.4–.69 35.01S–.06 70.1W–.10 147–8 4.3b **¶11799247**
GUC VII 02 08 10 46.6–.80 34.95S 70.35W 160–8 3.3L,3.2
NEIC VII 02 08 10 46.6 34.95S 70.35W 160 3.2,3.2
IDC VII 02 08 10 47.4–2.1 35.07S 69.71W 144–18 4.1b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=8.8km az=17.9.
GUC Error ellipse: s-maj=6.1km s-min=13.1km az=-1.0.

NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=47.1km s-min=17.3km az=96.0.
GUC VII 03 00 29 47.0–.54 23.93S 67.64W 226–36 3.5L ¶13596349

GUC Error ellipse: s-maj=6.5km s-min=30.8km az=-1.0.
GUC VII 05 20 11 34.8–.42 23.87S 67.44W 200–0 3.6L ¶13596406

GUC Error ellipse: s-maj=2.3km s-min=3.2km az=-1.0.
GUC VII 05 21 41 59.5–.63 23.05S 67.14W 210–0 3.7L ¶13596407

GUC Error ellipse: s-maj=3.5km s-min=5.6km az=-1.0.
GUC VII 06 07 17 06.8–.66 24.04S 67.56W 215–0 4.3L ¶13596432

GUC Error ellipse: s-maj=6.5km s-min=5.9km az=-1.0.
GUC VII 07 03 06 43.3–.71 23.62S 67.17W 235–0 3.9L ¶13596474

GUC Error ellipse: s-maj=5.3km s-min=7.1km az=-1.0.
GUC VII 08 00 16 39.0–.68 24.00S 67.17W 210–0 4.3L
NEIC VII 08 00 16 39.0 24.00S 67.17W 210 3.8b ¶12951141
GUC Error ellipse: s-maj=5.0km s-min=6.1km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 08 18 55 55.1–.78 23.22S 67.24W 250–0 3.9L ¶13596524

GUC Error ellipse: s-maj=3.7km s-min=5.6km az=-1.0.
ISC VII 08 19 35 34.2–1.2 24.14S–.07 67.8W–.20 216–30 24 2-156
IDC VII 08 19 35 30.9–1.9 24.37S 67.99W 151–17 3.6,3.4 ¶11811009
ISCJB VII 08 19 35 31.9–1.1 24.26S–.06 67.9W–.20 238–27 3.6,3.4
GUC VII 08 19 35 33.2–1.0 24.16S 67.63W 180–0 4.2L,3.4
NEIC VII 08 19 35 33.2 24.16S 67.63W 180 4.2,3.4
ISC Event type se. ¶13827209
IDC Error ellipse: s-maj=41.6km s-min=15.1km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=29.6km s-min=9.3km az=174.2.
GUC Error ellipse: s-maj=5.7km s-min=7.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 10 12 00 58.5–.87 23.79S 67.47W 220–0 4.0L ¶13596588

GUC Error ellipse: s-maj=4.7km s-min=6.6km az=-1.0.
ISC VII 12 04 38 33.6–.98 28.6S–.10 69.4W–.10 66–12 3.7b 10 1-151
IDC VII 12 04 38 23.2–1.5 28.93S 69.74W 0 3.8b,3.7 ¶11811331
NEIC VII 12 04 38 33.5–1.0 28.55S 69.36W 68–9 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=48.8km s-min=35.4km az=37.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=12.4km az=153.0.
GUC VII 12 14 43 29.2–.61 23.42S 67.60W 270–0 3.5L ¶13596666

GUC Error ellipse: s-maj=16.0km s-min=9.6km az=-1.0.
GUC VII 12 21 40 17.4–.87 31.39S 70.21W 124–8 3.6L,3.3
NEIC VII 12 21 40 17.4 31.39S 70.21W 124 3.3,3.3 ¶12951224
GUC Error ellipse: s-maj=1.6km s-min=9.6km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 13 03 17 33.7–.58 23.81S 67.37W 220–0 3.8L ¶13596700

GUC Error ellipse: s-maj=3.4km s-min=4.4km az=-1.0.
GUC VII 17 08 56 02.8–.62 23.89S 67.20W 208–52 4.4L ¶13596846

GUC Error ellipse: s-maj=8.3km s-min=30.8km az=-1.0.
GUC VII 19 21 28 38.5–.77 23.78S 67.30W 220–0 3.9L ¶13596927

GUC Error ellipse: s-maj=4.6km s-min=6.3km az=-1.0.
GUC VII 20 05 55 06.7–.63 23.85S 67.28W 220–0 4.1L ¶13596969

GUC Error ellipse: s-maj=4.7km s-min=6.7km az=-1.0.
ISC VII 20 16 44 35.8–.61 34.72S–.02 70.23W–.06 10 3.7s,3.3b 43 1-156
GUC VII 20 16 44 34.9–.57 34.77S 70.24W 16–2 4.2,3.9L ¶11812193
ISCJB VII 20 16 44 36.4–.70 34.72S–.03 70.29W–.07 10 3.7s,3.3b
IDC VII 20 16 44 38.3–1.1 34.62S 70.66W 0 4.0,3.9
NEIC VII 20 16 44 43.4–1.7 34.63S 70.56W 35–17 4.0,3.9
ISC Event type se.
GUC Error ellipse: s-maj=1.2km s-min=3.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=3.3km az=16.1.
IDC Error ellipse: s-maj=33.3km s-min=15.7km az=113.0.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=12.3km az=108.0.
ISC VII 21 03 43 31.9–.87 24.30S–.05 67.1W–.10 150–18 4.2b 24 3-147
ISCJB VII 21 03 43 31.3–.97 24.30S–.05 67.1W–.10 163–19 4.2b ¶11812236
IDC VII 21 03 43 31.6–1.8 24.32S 66.88W 142–23 3.6b,3.3
NEIC VII 21 03 43 32.4–.91 24.27S 67.03W 156–13 3.6b,3.3
GUC VII 21 03 43 36.4–.93 23.93S 67.57W 200–0 3.6b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=8.0km az=4.7.
IDC Error ellipse: s-maj=54.0km s-min=13.5km az=97.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=10.3km az=105.0.
GUC Error ellipse: s-maj=7.6km s-min=9.0km az=-1.0.
GUC VII 22 18 39 07.0–.47 34.74S 70.24W 19–2 3.9,3.0L
NEIC VII 22 18 39 07.0 34.74S 70.24W 19 3.0L,3.0L ¶12951584
GUC Error ellipse: s-maj=2.0km s-min=3.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 23 17 02 00.0–.67 34.75S 70.27W 17–4 3.6,3.1L
NEIC VII 23 17 02 00.0 34.75S 70.27W 17 3.1L,3.1L ¶12951600
GUC Error ellipse: s-maj=3.4km s-min=5.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 24 18 24 08.7–.61 33.12S 70.26W 23–2 3.8,2.8L
NEIC VII 24 18 24 08.7 33.12S 70.26W 23 2.8L,2.8L ¶12951623
GUC Error ellipse: s-maj=1.2km s-min=4.3km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 27 23 21 59.5–.55 24.02S 67.27W 215–0 3.9L ¶13597216

GUC Error ellipse: s-maj=3.3km s-min=4.8km az=-1.0.
GUC VII 30 05 10 00.8–.80 34.77S 70.26W 15–4 3.6,3.0L ¶13597276

GUC Error ellipse: s-maj=3.5km s-min=9.1km az=-1.0.
GUC VII 31 01 39 23.0–.67 23.66S 67.62W 206–65 3.5L ¶13597307

GUC Error ellipse: s-maj=6.0km s-min=46.7km az=-1.0.
GUC VIII 05 03 12 15.3–.59 23.45S 67.22W 220–0 3.5L ¶13808666

GUC Error ellipse: s-maj=10.5km s-min=8.4km az=-1.0.
GUC VIII 06 02 12 33.3–1.0 23.25S 67.26W 240–61 4.4L ¶13810073

GUC Error ellipse: s-maj=18.0km s-min=45.1km az=-1.0.
ISC VIII 06 12 30 04.0–.56 24.19S–.04 67.08W–.06 147–6 3.8b 41 3-147
ISCJB VIII 06 12 30 03.1–.60 24.19S–.04 67.11W–.06 154–7 3.8b ¶11907825
NEIC VIII 06 12 30 03.9–.68 24.20S 67.09W 151–7 4.1b
IDC VIII 06 12 30 04.0–1.6 24.18S 67.07W 154–14 3.8,3.7
GUC VIII 06 12 30 06.7–.80 23.89S 67.44W 200–0 5.0L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.8km az=166.9.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.9km az=81.0.
IDC Error ellipse: s-maj=20.7km s-min=12.5km az=86.0.
GUC Error ellipse: s-maj=5.5km s-min=6.6km az=-1.0.
ISC VIII 07 00 18 05.5–.50 29.39S–.04 69.13W–.04 86–4 4.8b 548 1-175
ISCJB VIII 07 00 18 04.0–.57 29.37S–.04 69.10W–.04 87–5 4.8b ¶11165594
NEIC VIII 07 00 18 06.1–.38 29.35S 69.18W 93–3 4.9b,4.4
GUC VIII 07 00 18 06.8–1.1 29.67S 69.17W 95–75 4.7L,4.4
BJI VIII 07 00 18 07.0 29.40S 69.20W 93 5.0b,4.4
IDC VIII 07 00 18 08.6–.51 29.46S 69.30W 117–4 4.6b,4.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=5.1km az=139.6.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.9km az=65.0. Felt [III] at Huaco, Jachal and Vinchina.
GUC Error ellipse: s-maj=8.2km s-min=29.4km az=-1.0.
IDC Error ellipse: s-maj=18.1km s-min=7.7km az=70.0.

ISC VIII 07 23 56 21.5–.74 24.94S–.04 67.68W–.08 117–7 4.1b 43 5-148
ISCJB VIII 07 23 56 20.3–.86 24.95S–.04 67.72W–.08 121–8 4.1b ¶11907940
NEIC VIII 07 23 56 21.6–.64 24.92S 67.66W 120–6 4.3b
IDC VIII 07 23 56 23.5–.63 25.03S 67.69W 136–5 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=7.2km az=1.2.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.7km az=81.0.
IDC Error ellipse: s-maj=22.3km s-min=14.0km az=81.0.
ISC VIII 10 14 40 20.3–.95 24.15S–.05 67.14W–.09 200 24 3-147
ISCJB VIII 10 14 40 18.8–.86 24.22S–.04 67.11W–.09 200 ¶11908043
IDC VIII 10 14 40 20.2–1.7 24.22S 67.70W 185–21 3.0,2.9
NEIC VIII 10 14 40 21.9–.87 24.20S 67.54W 210–12 3.7b,2.9
GUC VIII 10 14 40 21.7–.95 23.95S 67.17W 200–0 4.4L,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=5.6km az=170.3.
IDC Error ellipse: s-maj=41.7km s-min=15.1km az=89.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=13.4km az=80.0.
GUC Error ellipse: s-maj=7.9km s-min=8.7km az=-1.0.
ISC VIII 10 20 22 18.5–.78 23.96S–.06 67.35W–.09 190–11 3.4b 32 3-147
GUC VIII 10 20 22 16.9–.97 23.95S 67.33W 186–58 4.2L ¶11908055
NEIC VIII 10 20 22 16.9–.77 24.22S 67.71W 188–9 4.2
ISCJB VIII 10 20 22 18.6–.79 23.91S–.06 67.38W–.09 199–10 3.2b
IDC VIII 10 20 22 21.2–2.2 23.78S 67.14W 206–20 3.3,3.2
ISC Event type se.
GUC Error ellipse: s-maj=8.4km s-min=31.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=11.4km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=9.1km az=173.5.
IDC Error ellipse: s-maj=32.4km s-min=16.8km az=71.0.
GUC VIII 11 02 45 50.2–1.0 23.95S 67.58W 220–0 4.1L ¶13827209

GUC Error ellipse: s-maj=7.6km s-min=9.4km az=-1.0.
GUC VIII 12 11 03 39.8–.43 23.48S 67.20W 240–0 3.7L ¶13827263

GUC Error ellipse: s-maj=3.0km s-min=3.6km az=-1.0.
GUC VIII 12 20 12 33.2–.59 34.51S 70.02W 17–3 3.9,3.1L ¶13827269

GUC Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0.
ISC VIII 13 05 23 42.2–.35 35.33S–.03 70.36W–.07 136–5 4.1b 85 1-155
ISCJB VIII 13 05 23 41.2–.35 35.31S–.03 70.40W–.07 144–5 4.1b ¶11908137
NEIC VIII 13 05 23 42.2 35.20S 70.64W 154 4.3
IDC VIII 13 05 23 42.7–1.4 35.25S 70.15W 139–13 3.8,3.7b
GUC VIII 13 05 23 42.2–.59 35.20S 70.64W 154–3 4.3L,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.1km az=23.2.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=26.8km s-min=9.0km az=97.0.
GUC Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
GUC VIII 16 21 18 58.5–.84 23.86S 67.14W 225–0 3.8L ¶13827454

GUC Error ellipse: s-maj=4.8km s-min=5.5km az=-1.0.
GUC VIII 17 03 09 09.0–.65 23.63S 67.20W 225–0 3.7L ¶13827489

GUC Error ellipse: s-maj=3.4km s-min=4.8km az=-1.0.
GUC VIII 17 04 51 02.8–.45 24.04S 67.41W 200–118 3.8L ¶13827490

GUC Error ellipse: s-maj=11.9km s-min=76.8km az=-1.0.
GUC VIII 17 20 49 30.7–.64 23.95S 67.55W 220–0 4.0L ¶13827500

GUC Error ellipse: s-maj=3.5km s-min=5.1km az=-1.0.
GUC VIII 21 05 22 40.8–.52 23.94S 67.43W 220–0 4.0L ¶13827725

GUC Error ellipse: s-maj=3.9km s-min=4.6km az=-1.0.
ISC VIII 21 09 32 58.5–.19 25.17S–.04 68.61W–.04 109 5.3b 688 2-176
GUC VIII 21 09 32 56.5–.69 25.03S 68.79W 120–0 5.5L ¶11180596
ISCJB VIII 21 09 32 56.9–.18 25.09S–.04 68.67W–.04 107 5.3b
IDC VIII 21 09 32 57.2–.38 25.32S 68.85W 103–3 4.9,4.8
MOS VIII 21 09 32 57.9–1.2 24.99S 68.67W 114 5.3b,4.8
NEIC VIII 21 09 32 57.6–.15 25.25S 68.70W 107 5.4W,5.3b
GCMT VIII 21 09 33 00.9–.20 25.29S 69.13W 118–1 5.3W,5.3b
DJA VIII 21 09 33 02 25.10S 68.62W 126 5.5b,5.3b
ISC Event type fe.
GUC Error ellipse: s-maj=6.5km s-min=6.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.0km az=38.3.
IDC Error ellipse: s-maj=16.3km s-min=10.9km az=71.0.
MOS Error ellipse: s-maj=12.8km s-min=6.7km az=107.7.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=3.9km az=53.0. Felt [IV] at Diego de Almagro and El Salvador; [III] at Chanaral and Taltal; [II] at Copiapo. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.33 $M_{\theta\theta}$0.20 $M_{\phi\phi}$1.13 $M_{r\theta}$0.21 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.59 Best double couple: NP1:ϕ_s176.00000°,δ32.00000°,λ-83.00000°. NP2:ϕ_s347.00000°,δ58.00000°,λ-95.00000°. Principal axes: T 1.2900,Plg13.0000°,Azm80.0000°; N 0.1900,Plg3.0000°,Azm349.0000°; P -1.4800,Plg76.0000°,Azm243.0000° $M_0$1.40000×10^{17}
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s64,c93; s85,c136; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.92±.02 $M_{\theta\theta}$-0.18±.02; $M_{\phi\phi}$1.10±.02; $M_{r\theta}$0.06±.02; $M_{\theta\phi}$-0.25±.02; $M_{\phi r}$-0.23±.02; Best double couple: NP1:ϕ_s170.00000°,δ39.00000°,λ-89.00000°. NP2:ϕ_s348.00000°,δ51.00000°,λ-91.00000°. Principal axes: T 1.1700,Plg6.0000°,Azm79.0000°; N -0.2300,Plg1.0000°,Azm349.0000°; P -0.9500,Plg83.0000°,Azm252.0000° $M_0$1.10000×10^{17}
ISC VIII 23 18 11 27.5–1.7 24.3S–.10 67.5W–.40 168–63 13 3-147
ISCJB VIII 23 18 11 26.9–1.6 24.3S–.10 67.5W–.40 184–56 ¶11908651
IDC VIII 23 18 11 26.9–3.1 24.17S 66.99W 168–29 3.2,3.1
NEIC VIII 23 18 11 27.5 24.07S 67.74W 220 4.1,3.1
GUC VIII 23 18 11 27.6–.41 24.09S 67.60W 200–0 4.1L,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=54.1km s-min=16.0km az=10.2.
IDC Error ellipse: s-maj=43.2km s-min=26.8km az=74.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=21.4km s-min=9.0km az=-1.0.
ISC VIII 24 04 05 50.5–.66 24.22S–.05 67.04W–.08 163–9 3.4b 24 3-147
ISCJB VIII 24 04 05 49.7–.68 24.23S–.05 67.09W–.09 173–9 3.4b ¶11908671
IDC VIII 24 04 05 50.0–1.7 24.23S 67.03W 159–16 3.4,3.3
NEIC VIII 24 04 05 51.2–.81 24.22S 66.98W 171–8 4.0b,3.3
GUC VIII 24 04 05 52.9–.33 24.11S 67.51W 200–0 4.0L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=7.1km az=164.5.
IDC Error ellipse: s-maj=24.6km s-min=13.9km az=77.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.3km az=73.0.
GUC Error ellipse: s-maj=5.2km s-min=3.8km az=-1.0.
ISC VIII 24 21 17 00.5–1.1 24.27S–.08 67.7W–.10 186–18 3.4b 12 5-147
ISCJB VIII 24 21 16 59.7–1.1 24.26S–.08 67.7W–.10 195–19 3.4b ¶11908716
NEIC VIII 24 21 16 59.0–.97 24.21S 67.75W 158–12 3.7b
IDC VIII 24 21 17 06.1–2.4 23.82S 67.07W 208–22 3.1,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=13.2km az=12.4.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.3km az=87.0.
IDC Error ellipse: s-maj=35.0km s-min=22.6km az=93.0.
GUC VIII 25 03 50 01.1–.64 34.06S 70.15W 7–1 3.8,3.2L
NEIC VIII 25 03 50 01.1 34.06S 70.15W 7 3.2L,3.2L ¶12100226
GUC Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 26 20 38 24.1–1.1 23.33S 67.17W 210–0 3.6L ¶13827945

GUC Error ellipse: s-maj=11.4km s-min=9.5km az=-1.0.
GUC VIII 27 05 54 35.7–.27 31.78S 70.02W 135–2 3.5L,3.5
NEIC VIII 27 05 54 35.7 31.78S 70.02W 135 3.5,3.5 ¶12100282
GUC Error ellipse: s-maj=0.6km s-min=2.7km az=-1.0.
NEIC Event type se. After GUC.
IDC VIII 27 08 16 37.6–1.7 24.27S 67.69W 180–21 2.8,2.8 ¶12581461

IDC Error ellipse: s-maj=40.9km s-min=15.2km az=88.0.
ISC VIII 28 09 57 42.0–.43 34.73S–.02 70.25W–.05 10 3.7b,3.6s 67 1-147

IDC VIII 28 09 57 39.8–1.2 35.01S 70.21W 0 4.1L,4.1 ¶11908993
ISCJB VIII 28 09 57 40.6–.43 34.78S–.02 70.16W–.05 10 3.7b,3.6s
NEIC VIII 28 09 57 40.8 34.76S 70.25W 17 4.2L,3.6s
GUC VIII 28 09 57 40.8–.59 34.76S 70.25W 17–4 4.2L,4.2
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=19.9km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.4km az=179.6.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=4.4km az=-1.0.
GUC VIII 28 18 52 10.4–.82 32.82S 70.02W 123–6 3.7L,3.1
NEIC VIII 28 18 52 10.4 32.82S 70.02W 123 3.1,3.1 ¶12100329
GUC Error ellipse: s-maj=2.5km s-min=8.7km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 29 09 03 35.7–.52 34.76S 70.28W 18–2 3.5,3.2L
NEIC VIII 29 09 03 35.7 34.76S 70.28W 18 3.2L,3.2L ¶12100344
GUC Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 30 05 00 44.3–.80 33.02S 69.25W 1–25 3.7,2.9L
NEIC VIII 30 05 00 44.3 33.02S 69.25W 1 2.9L,2.9L ¶12100366
GUC Error ellipse: s-maj=4.3km s-min=26.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 30 14 17 23.8–.78 32.48S 70.06W 133–6 4.0L,3.7
NEIC VIII 30 14 17 23.8 32.48S 70.06W 133 3.7,3.7 ¶12100379
GUC Error ellipse: s-maj=2.4km s-min=9.8km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 31 10 12 40.3–.70 31.80S 70.07W 146–6 3.8L,3.6
NEIC VIII 31 10 12 40.3 31.80S 70.07W 146 3.6,3.6 ¶12100404
GUC Error ellipse: s-maj=2.2km s-min=9.8km az=-1.0.
NEIC Event type se. After GUC.
ISC IX 01 13 38 41.9–.70 24.07S–.06 67.1W–.20 195–33 25 3-147
ISCJB IX 01 13 38 40.9–.68 24.10S–.05 67.1W–.20 200–33 ¶11909223
IDC IX 01 13 38 40.9–1.6 24.15S 67.09W 163–17 3.1,3.0
NEIC IX 01 13 38 40.8–.80 24.10S 67.14W 166–11 4.6,3.0
GUC IX 01 13 38 43.8–.96 23.76S 67.45W 231–44 4.6L,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=8.6km az=177.5.
IDC Error ellipse: s-maj=34.3km s-min=14.3km az=93.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=11.4km az=89.0.
GUC Error ellipse: s-maj=7.3km s-min=35.6km az=-1.0.
GUC IX 02 03 51 35.5–.84 33.94S 70.34W 114–3 3.8L,3.4
NEIC IX 02 03 51 35.5 33.94S 70.34W 114 3.4,3.4 ¶12951856
GUC Error ellipse: s-maj=2.6km s-min=5.8km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 03 07 06 02.6–.47 31.78S 70.20W 137–2 3.5L,3.4
NEIC IX 03 07 06 02.6 31.78S 70.20W 137 3.4,3.4 ¶12951872
GUC Error ellipse: s-maj=0.9km s-min=3.8km az=-1.0.
NEIC Event type se. After GUC.
ISC IX 05 20 51 14.9–.74 24.28S–.05 67.02W–.08 161–7 4.1b 40 3-147
NEIC IX 05 20 51 13.9–1.1 24.22S 67.09W 156–10 4.2b ¶11909555
ISCJB IX 05 20 51 14.0–.78 24.28S–.05 67.05W–.08 168–8 4.1b
IDC IX 05 20 51 16.9–1.9 24.09S 66.92W 178–17 3.8,3.7b
GUC IX 05 20 51 18.4–.49 23.88S 67.47W 220–29 4.8L,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=11.5km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=7.7km az=169.5.
IDC Error ellipse: s-maj=25.3km s-min=15.7km az=89.0.
GUC Error ellipse: s-maj=10.3km s-min=19.1km az=-1.0.
ISC IX 06 17 57 25.8–.75 24.21S–.05 67.1W–.10 161–9 3.9b 26 6-155
ISCJB IX 06 17 57 25.1–.80 24.21S–.05 67.1W–.10 170–9 3.9b ¶11909623
NEIC IX 06 17 57 25.6–.70 24.18S 67.08W 161–7 4.1b
IDC IX 06 17 57 25.6–1.6 24.23S 67.06W 157–14 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=7.7km az=179.4.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=97.0.
IDC Error ellipse: s-maj=21.4km s-min=12.8km az=90.0.
GUC IX 08 23 18 26.8–.61 32.17S 70.30W 114–8 4.0L,3.8
NEIC IX 08 23 18 26.8 32.17S 70.30W 114 4.0,3.8 ¶12951938
GUC Error ellipse: s-maj=2.4km s-min=10.3km az=-1.0.
NEIC Event type se. After GUC.
IDC IX 09 08 06 28.3–2.0 24.27S 67.06W 163–18 3.2,3.1
¶11909868
IDC Error ellipse: s-maj=26.0km s-min=20.1km az=77.0.
GUC IX 10 05 46 54.9–.82 35.55S 70.88W 143–7 3.6L,3.3
NEIC IX 10 05 46 54.9 35.55S 70.88W 143 3.3,3.3 ¶12951984
GUC Error ellipse: s-maj=4.5km s-min=11.7km az=-1.0.
NEIC Event type se. After GUC.
ISC IX 10 18 40 00.7–.61 33.43S–.04 70.2W–.10 123–4 62 0-172
ISCJB IX 10 18 39 59.9–.59 33.42S–.04 70.2W–.10 126–4 ¶11909981
NEIC IX 10 18 40 00.6 33.41S 70.17W 119 4.6b
GUC IX 10 18 40 00.6–.70 33.41S 70.17W 119–3 4.2L
IDC IX 10 18 40 01.2–3.9 33.56S 70.31W 116–35 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=6.6km az=168.4.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=3.8km s-min=8.4km az=-1.0.
IDC Error ellipse: s-maj=71.1km s-min=31.2km az=85.0.
ISC IX 12 03 09 25.8–.65 24.28S–.04 67.07W–.07 147–7 4.0b 55 2-156
ISCJB IX 12 03 09 25.0–.70 24.27S–.04 67.10W–.08 156–7 4.0b ¶11910085
IDC IX 12 03 09 27.4–1.5 24.27S 67.07W 164–12 4.1,3.9b
NEIC IX 12 03 09 27.3–.64 24.34S 67.10W 166–6 4.1b,3.9b
GUC IX 12 03 09 29.1–.67 24.02S 67.55W 206–7 4.8L,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.7km az=169.7.
IDC Error ellipse: s-maj=17.4km s-min=12.2km az=89.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.7km az=80.0.
GUC Error ellipse: s-maj=4.9km s-min=4.6km az=-1.0.
GUC IX 12 05 15 15.2–.88 32.09S 70.33W 125–5 3.8L,3.6
NEIC IX 12 05 15 15.2 32.09S 70.33W 125 3.6,3.6 ¶11280307
GUC Error ellipse: s-maj=2.0km s-min=8.8km az=-1.0.
NEIC Event type se. After GUC.
NEIC IX 13 16 47 30.3–1.1 27.88S 68.25W 106–13
IDC IX 13 16 47 26.4–7.8 28.04S 68.54W 72–62 4.6L,3.6 ¶11910198
NEIC Event type se. Error ellipse: s-maj=37.5km s-min=12.9km az=168.0.
IDC Error ellipse: s-maj=84.4km s-min=39.8km az=40.0.
ISC IX 17 02 34 40.4–.77 24.32S–.05 67.2W–.10 152–19 16 6-147
ISCJB IX 17 02 34 39.6–.87 24.33S–.05 67.2W–.10 166–20 ¶11910443
IDC IX 17 02 34 40.2–1.7 24.30S 67.12W 152–19 3.8b,3.6
NEIC IX 17 02 34 40.9–.99 24.29S 67.13W 157–14 3.8b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=7.9km az=6.4.
IDC Error ellipse: s-maj=30.2km s-min=14.5km az=94.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.5km az=110.0.
GUC IX 20 13 31 15.8–.96 32.14S 70.19W 3–0 3.6,2.8L
¶13845303
GUC Error ellipse: s-maj=2.8km s-min=8.1km az=-1.0.
GUC IX 22 14 52 23.1–.79 33.97S 70.41W 96–3 3.7L,3.4
NEIC IX 22 14 52 23.1 33.97S 70.41W 96 3.4,3.4 ¶12952137
GUC Error ellipse: s-maj=3.0km s-min=5.1km az=-1.0.
NEIC Event type se. After GUC.
ISC IX 26 05 55 26.6–.66 24.20S–.05 68.20W–.09 116–11 17 1-147
ISCJB IX 26 05 55 25.5–.71 24.19S–.05 68.20W–.09 123–11 ¶11911069
IDC IX 26 05 55 25.8–2.1 24.18S 68.03W 94–22 3.4b,3.3
NEIC IX 26 05 55 28.5 23.80S 68.40W 134 3.6,3.3
GUC IX 26 05 55 28.5–.83 23.80S 68.40W 134–26 3.6L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=8.5km az=15.1.
IDC Error ellipse: s-maj=44.2km s-min=15.5km az=94.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=39.9km s-min=16.1km az=-1.0.
GUC IX 26 08 55 06.5–.86 32.59S 70.19W 108–5 3.5,3.3L
NEIC IX 26 08 55 06.5 32.59S 70.19W 108 3.5,3.3L ¶12952212

GUC Error ellipse: s-maj=3.0km s-min=7.0km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 29 03 40 43.0–.64 34.48S 70.66W 107–3 3.6L,3.4
NEIC IX 29 03 40 43.0 34.48S 70.66W 107 4.0b,3.4 ¶12952246
GUC Error ellipse: s-maj=1.7km s-min=4.9km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 29 23 17 05.6–.71 34.78S 70.15W 12–4 3.6,2.9L
NEIC IX 29 23 17 05.6 34.78S 70.15W 12 2.9L,2.9L ¶12952247
GUC Error ellipse: s-maj=2.5km s-min=4.8km az=-1.0.
NEIC Event type se. After GUC.
ISC X 01 17 03 47.4–.16 35.02S–.03 70.66W–.05 103 5.0b 645 1-174
ISCJB X 01 17 03 45.5–.16 35.08S–.02 70.73W–.05 101 5.0b ¶11322869
MOS X 01 17 03 45.5–1.0 35.00S 70.67W 100 5.2b
IDC X 01 17 03 46.9–.36 34.97S 70.84W 104–2 4.7,4.7b
GUC X 01 17 03 46.1–.60 34.97S 71.10W 110–4 5.1L,4.7b
NEIC X 01 17 03 46.9–.15 35.02S 70.73W 99 5.1b,4.7b
GCMT X 01 17 03 48.8–.20 35.03S 71.04W 119–1 5.2W,4.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.4km az=2.7.
MOS Error ellipse: s-maj=16.6km s-min=7.6km az=99.9.
IDC Error ellipse: s-maj=15.0km s-min=8.4km az=78.0.
GUC Error ellipse: s-maj=2.8km s-min=7.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.8km az=74.0. Felt [IV] at Curico and Talca; [III] at Rancagua, San Antonio, San Fernando and San Javier; [II] at Cauquenes, Chillan, Concepcion, Constitucion, Los Andes, Puchuncavi, San Carlos, San Felipe, Santiago, Santa Cruz, Valparaiso and Vina del Mar.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s56,c72; s75,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}0.10±.24 $M_{\theta\theta}$0.09±.29; $M_{\phi\phi}$-0.19±.35; $M_{r\theta}$-3.48±.15; $M_{\theta\phi}$0.76±.28; $M_{\phi r}$-6.46±.18; Best double couple: NP1:ϕ_s288.00000°,δ4.00000°,λ-10.00000°. NP2:ϕ_s28.00000°,δ89.00000°,λ-94.00000°. Principal axes: T 7.6600,Plg44.0000° ,Azm122.0000°; N -0.6000,Plg4.0000°,Azm28.0000°; P -7.0600,Plg46.0000°,Azm294.0000° $M_0$7.40000×10^{16}
GUC X 05 03 44 18.9–.48 34.63S 70.14W 14–3 3.6,2.6L
NEIC X 05 03 44 18.9 34.63S 70.14W 14 2.6L,2.6L ¶13396027
GUC Error ellipse: s-maj=2.1km s-min=4.4km az=-1.0.
NEIC Event type se. After GUC.
GUC X 05 19 51 51.1–.52 32.83S 70.82W 75–2 3.7,3.6L
¶13932286
GUC Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0.
GUC X 06 09 08 12.8–.43 35.05S 70.50W 9–2 3.8,3.2L
¶13932293
GUC Error ellipse: s-maj=1.4km s-min=2.4km az=-1.0.
GUC X 07 04 27 04.6–.80 35.18S 70.30W 185–14 4.7,3.7L
¶13932303
GUC Error ellipse: s-maj=8.3km s-min=21.7km az=-1.0.
ISC X 10 01 28 35.4–1.1 24.12S–.10 67.6W–.20 216–21 19 3-77
ISCJB X 10 01 28 34.5–1.1 24.16S–.09 67.6W–.20 225–21 ¶12066477
NEIC X 10 01 28 34.4 24.06S 67.82W 238 4.0b
GUC X 10 01 28 34.4–.72 24.06S 67.82W 238–37 4.3L
IDC X 10 01 28 38.6–2.2 23.85S 67.21W 226–25 3.7b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.3km s-min=15.0km az=2.8.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=12.3km s-min=32.2km az=-1.0.
IDC Error ellipse: s-maj=38.3km s-min=20.1km az=84.0.
GUC X 12 15 17 20.6–.69 33.98S 70.15W 19–4 3.6,2.1L
¶13932392
GUC Error ellipse: s-maj=2.0km s-min=3.8km az=-1.0.
ISC X 13 08 16 38.3–.59 24.32S–.04 67.14W–.09 168–15 33 2-147
ISCJB X 13 08 16 37.7–.57 24.33S–.04 67.23W–.09 188–12 ¶12068539
IDC X 13 08 16 37.5–1.7 24.31S 67.15W 157–16 3.8b,3.5
NEIC X 13 08 16 38.6–.55 24.33S 67.09W 168–7 4.0b,3.5
GUC X 13 08 16 40.1–.79 23.96S 67.70W 241–12 4.4L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=6.3km az=1.6.
IDC Error ellipse: s-maj=32.2km s-min=14.5km az=94.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.1km az=85.0.
GUC Error ellipse: s-maj=7.4km s-min=13.1km az=-1.0.
ISC X 18 01 04 03.2–4.7 35.36S–.06 70.8W–.20 30–34 4.1b 28 4-153
ISCJB X 18 01 03 59.1–4.5 35.40S–.08 70.8W–.20 15–33 4.1b ¶12068940
NEIC X 18 01 04 03.7–1.1 35.41S 70.81W 39–10 4.2b
IDC X 18 01 04 03.3–3.5 35.47S 70.77W 35–27 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.1km s-min=11.5km az=169.8.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=8.2km az=82.0.
IDC Error ellipse: s-maj=46.1km s-min=17.1km az=89.0.
GUC X 19 08 27 06.4–.56 31.71S 70.24W 135–9 3.1,2.9L
NEIC X 19 08 27 06.4 31.71S 70.24W 135 3.6,2.9L ¶13397485
GUC Error ellipse: s-maj=5.7km s-min=20.5km az=-1.0.
NEIC Event type se. After GUC.
GUC X 23 15 59 20.8–.77 34.60S 70.31W 20–3 3.5,3.0L
NEIC X 23 15 59 20.8 34.60S 70.31W 20 3.0L,3.0L ¶13397906
GUC Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
NEIC Event type se. After GUC.
GUC X 25 14 40 18.5–.90 34.14S 70.13W 4–2 3.6,2.5L
¶13932642
GUC Error ellipse: s-maj=3.1km s-min=5.0km az=-1.0.
GUC X 27 09 11 40.9–.70 34.48S 70.03W 16–3 4.1,3.3L
¶13932695
GUC Error ellipse: s-maj=1.4km s-min=4.3km az=-1.0.
GUC X 27 09 35 21.8–.72 33.95S 70.48W 15–5 3.6,2.4L
¶13932697
GUC Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0.
ISC X 28 18 14 12.0–.42 34.53S–.03 69.75W–.06 10 3.9b 50 1-156
ISCJB X 28 18 14 10.8–.48 34.55S–.05 69.65W–.07 10 3.9b ¶12071359
GUC X 28 18 14 12.1–.72 34.41S 69.62W 9–466 3.3L
IDC X 28 18 14 12.5–.80 34.50S 69.19W 0 4.5L,4.2
NEIC X 28 18 14 16.1–3.2 34.39S 69.03W 22–24 3.9b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.1km az=142.9.
GUC Error ellipse: s-maj=5.8km s-min=8.8km az=-1.0.
IDC Error ellipse: s-maj=34.2km s-min=12.0km az=98.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=11.2km az=83.0.
GUC X 28 18 46 48.6–.64 31.98S 70.75W 81–9 3.8,3.7L
¶13932729
GUC Error ellipse: s-maj=1.5km s-min=7.9km az=-1.0.
ISC X 29 06 07 48.0–1.1 23.80S–.09 67.4W–.20 236–18 19 1-132
IDC X 29 06 07 44.0–2.6 23.93S 66.71W 165–34 3.1b,3.0 ¶12071433
ISCJB X 29 06 07 46.9–1.1 23.86S–.08 67.4W–.20 242–17 3.1b,3.0
GUC X 29 06 07 47.1–.59 23.76S 67.44W 227–13 3.9L,3.0
IDC Error ellipse: s-maj=68.2km s-min=20.1km az=91.0.
ISCJB Error ellipse: s-maj=27.8km s-min=11.5km az=14.6.
GUC Error ellipse: s-maj=6.9km s-min=8.5km az=-1.0.
GUC X 29 06 31 04.4–.43 23.15S 67.05W 235–0 4.2L
¶13932742
GUC Error ellipse: s-maj=6.1km s-min=8.1km az=-1.0.
ISC X 30 04 20 31.5–.32 34.62S–.03 70.75W–.07 100–3 3.7b 66 1-153
ISCJB X 30 04 20 30.4–.32 34.63S–.03 70.71W–.07 104–3 3.7b ¶12071590
GUC X 30 04 20 31.2–.47 34.60S 70.79W 105–2 4.2L,3.9
NEIC X 30 04 20 32.3–.77 34.63S 70.58W 107–7 3.5b,3.9
IDC X 30 04 20 32.1–2.2 34.62S 70.60W 105–19 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.0km az=17.1.
GUC Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.4km az=83.0.
IDC Error ellipse: s-maj=28.0km s-min=13.2km az=92.0.
IDC XI 07 23 29 04.0–2.9 23.61S 67.83W 0 4.0b,3.9L
¶12072768
IDC Error ellipse: s-maj=79.3km s-min=37.4km az=92.0.
GUC XI 13 05 16 37.8–.48 24.07S 67.55W 200–0 3.8L
NEIC XI 13 05 16 37.8 24.07S 67.55W 200 3.8 ¶13399990

GUC Error ellipse: s-maj=5.8km s-min=8.0km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 14 16 38 54.8–.85 29.55S 69.56W 126–15 4.0L
NEIC XI 14 16 38 54.8 29.55S 69.56W 126 4.0 **¶13400174**
GUC Error ellipse: s-maj=2.0km s-min=13.5km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 16 06 48 47.3–.68 33.15S 70.09W 23–1 4.0,3.2L
NEIC XI 16 06 48 47.3 33.15S 70.09W 23 3.2L,3.2L **¶13400320**
GUC Error ellipse: s-maj=1.0km s-min=2.4km az=-1.0.
NEIC Event type se. After GUC.
ISC XI 21 13 17 33.0–.86 24.19S–.06 67.0W–.10 178–10 4.0b 26 6-147
ISCJB XI 21 13 17 32.2–.90 24.22S–.06 67.0W–.10 188–11 4.0b **¶12074395**
IDC XI 21 13 17 32.5–1.5 24.16S 67.00W 172–12 3.8b,3.7
NEIC XI 21 13 17 33.2–.88 24.13S 67.02W 181–8 4.2b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=9.3km az=5.2.
IDC Error ellipse: s-maj=27.4km s-min=13.4km az=92.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.6km az=103.0.
ISC XI 21 21 58 22.1–.80 24.31S–.05 67.8W–.20 211–19 15 5-131
ISCJB XI 21 21 58 21.8–.79 24.32S–.05 67.8W–.20 226–21 **¶12074443**
IDC XI 21 21 58 22.2–1.6 24.26S 67.66W 205–21 3.1,2.9b
NEIC XI 21 21 58 23.9–1.1 24.24S 67.51W 215–16 3.7b,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.0km s-min=8.2km az=2.2.
IDC Error ellipse: s-maj=38.0km s-min=15.0km az=89.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=14.1km az=95.0.
GUC XI 23 05 48 21.7–.64 33.50S 70.47W 96–2 3.6L,3.2
¶14124828

GUC Error ellipse: s-maj=2.0km s-min=4.4km az=-1.0.
ISC XI 24 01 46 51.7–.60 23.39S–.04 67.68W–.09 135–8 4.2b 52 2-167
ISCJB XI 24 01 46 50.8–.65 23.38S–.05 67.67W–.09 138–9 4.2b **¶12074631**
IDC XI 24 01 46 51.9–2.0 23.35S 67.59W 134–18 4.2b,4.1
NEIC XI 24 01 46 51.3–.72 23.38S 67.66W 128–7 4.4b,4.1
GUC XI 24 01 46 53.6–.68 23.10S 68.12W 188–14 4.6L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=7.7km az=170.5.
IDC Error ellipse: s-maj=24.7km s-min=19.0km az=81.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.2km az=82.0.
GUC Error ellipse: s-maj=6.5km s-min=11.0km az=-1.0.
GUC XI 24 17 45 51.7–.81 34.46S 70.06W 12–5 3.5,2.4L
¶14125268

GUC Error ellipse: s-maj=3.4km s-min=4.6km az=-1.0.
GUC XII 02 04 50 54.0–.68 34.38S 70.19W 1–3 3.5,1.9L
¶14238759

GUC Error ellipse: s-maj=3.7km s-min=3.9km az=-1.0.
GUC XII 02 08 29 27.9–.75 34.04S 70.11W 20–3 3.6,2.4L
¶14238766

GUC Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
ISC XII 03 02 32 39.2–.89 24.00S–.06 67.1W–.10 174–11 3.5b 34 3-147
IDC XII 03 02 32 36.4–4.5 23.88S 66.91W 143–42 3.4,3.3b **¶12075579**
NEIC XII 03 02 32 37.9–.98 23.94S 66.87W 162–10 3.9b,3.3b
ISCJB XII 03 02 32 38.5–.89 24.01S–.06 67.2W–.10 185–11 3.5b,3.3b
GUC XII 03 02 32 41.6–.52 23.77S 67.68W 224–22 4.7L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=20.8km az=51.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.2km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=9.2km az=170.4.
GUC Error ellipse: s-maj=9.2km s-min=16.6km az=-1.0.
GUC XII 03 04 25 50.1–.49 23.44S 67.21W 220–0 4.5L
¶14238781

GUC Error ellipse: s-maj=7.7km s-min=6.1km az=-1.0.
GUC XII 04 22 18 07.7–.61 34.02S 70.12W 7–1 3.7L
¶14238822

GUC Error ellipse: s-maj=1.2km s-min=3.3km az=-1.0.
GUC XII 06 17 23 30.9–.67 32.28S 70.29W 118–4 3.5L
¶14238868

GUC Error ellipse: s-maj=1.7km s-min=6.6km az=-1.0.
ISC XII 06 22 51 13.1–.47 33.12S–.03 70.28W–.08 107–4 3.5b 52 0-155
IDC XII 06 22 50 58.7–1.6 33.41S 70.07W 0 4.2,4.0 **¶12076073**
ISCJB XII 06 22 51 12.2–.46 33.12S–.03 70.29W–.08 111–3 3.5b,4.0
GUC XII 06 22 51 12.6–.69 33.09S 70.31W 110–3 4.2L,4.0
NEIC XII 06 22 51 12.0 33.09S 70.31W 110 4.2,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=76.2km s-min=39.9km az=26.0.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=5.0km az=169.8.
GUC Error ellipse: s-maj=2.0km s-min=4.2km az=-1.0.
NEIC Event type fe. Felt [II] at Santiago. After GUC.
GUC XII 07 22 13 11.9–.76 33.14S 70.31W 17–4 3.5,2.5L
¶14238896

GUC Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0.
GUC XII 08 06 27 26.6–.62 34.41S 69.59W 16–7 3.6,2.1L
¶14238910

GUC Error ellipse: s-maj=5.5km s-min=4.5km az=-1.0.
IDC XII 08 09 03 28.7–3.6 23.46S 67.13W 190–31 3.3,3.1b
¶12076334

IDC Error ellipse: s-maj=89.1km s-min=27.3km az=89.0.
ISC XII 09 08 09 52.1–.87 23.79S–.07 67.7W–.10 212–17 19 2-147
GUC XII 09 08 09 50.6–.42 23.70S 67.84W 230–14 4.2L **¶12076491**
ISCJB XII 09 08 09 51.3–.87 23.82S–.07 67.7W–.10 216–17 4.2L
IDC XII 09 08 09 55.4–2.2 23.55S 67.28W 212–21 3.2,3.0b
GUC Error ellipse: s-maj=5.3km s-min=12.2km az=-1.0.
ISCJB Error ellipse: s-maj=19.9km s-min=11.8km az=3.1.
IDC Error ellipse: s-maj=34.4km s-min=19.3km az=83.0.
IDC XII 09 08 45 12.3–4.2 23.99S 67.33W 211–30 4.3,4.1s
¶12076498

IDC Error ellipse: s-maj=58.4km s-min=24.3km az=53.0.
ISC XII 10 02 38 04.1–1.6 24.46S–.09 67.3W–.20 174–21 3.4b 11 3-147
ISCJB XII 10 02 38 03.3–1.7 24.46S–.09 67.3W–.20 179–21 3.4b **¶12076656**
GUC XII 10 02 38 05.3–.56 24.14S 67.50W 203–55 4.4L
IDC XII 10 02 38 18.9–2.8 23.11S 66.54W 257–31 3.5,3.3b
ISCJB Error ellipse: s-maj=30.9km s-min=14.0km az=179.9.
GUC Error ellipse: s-maj=13.4km s-min=34.6km az=-1.0.
IDC Error ellipse: s-maj=48.9km s-min=22.6km az=97.0.
ISC XII 10 05 56 55.7–.72 24.36S–.03 67.15W–.09 160–7 4.0b 67 2-156
IDC XII 10 05 56 53.3–3.3 24.25S 67.00W 140–30 4.0,3.9b **¶12076672**
ISCJB XII 10 05 56 55.1–.70 24.37S–.03 67.21W–.09 172–7 4.0b,3.9b
NEIC XII 10 05 56 55.1–.89 24.29S 67.05W 157–8 4.4b,3.9b
GUC XII 10 05 56 57.4–.61 24.09S 67.48W 208–7 5.0L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=13.4km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=5.1km az=173.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.6km az=81.0.
GUC Error ellipse: s-maj=7.2km s-min=5.8km az=-1.0.
ISC XII 10 10 53 51.1–.64 33.11S–.04 69.18W–.03 7–4 4.1b,3.7s 57 0-154
IDC XII 10 10 53 49.9–.79 33.05S 69.10W 0 4.3,4.2 **¶12076726**
ISCJB XII 10 10 53 50.9–.74 33.11S–.03 69.12W–.03 13–5 4.1b,3.7s
NEIC XII 10 10 53 50.0 32.94S 69.26W 10 4.8,4.1b
GUC XII 10 10 53 51.3–.79 33.08S 69.28W 0–7 3.8L,4.1b
ISC Event type de.
IDC Error ellipse: s-maj=23.7km s-min=14.3km az=111.0.
ISCJB Event type de. Error ellipse: s-maj=6.3km s-min=4.2km az=147.1.
NEIC Event type de. Slight damage [VI] at Potrerillos. Felt [IV] at Mendoza. After SJA.
GUC Error ellipse: s-maj=3.9km s-min=7.6km az=-1.0.
GUC XII 10 13 27 46.2–.68 33.15S 69.25W 5–8 3.7,3.3L
¶14238952

GUC Error ellipse: s-maj=4.9km s-min=8.6km az=-1.0.
GUC XII 11 16 40 17.7–.60 33.70S 70.56W 100–2 3.9L,3.8
¶14238959

GUC Error ellipse: s-maj=2.2km s-min=6.1km az=-1.0.
GUC XII 12 17 19 35.0–.75 33.13S 70.37W 13–2 3.5,2.5L
¶14238968

GUC Error ellipse: s-maj=2.9km s-min=5.1km az=-1.0.
GUC XII 15 05 41 39.0–.62 24.10S 67.62W 211–7 4.0L
¶14238985

GUC Error ellipse: s-maj=7.6km s-min=6.6km az=-1.0.
GUC XII 16 06 03 02.5–.43 31.72S 70.13W 147–3 3.5,3.3L
¶14238994

GUC Error ellipse: s-maj=1.1km s-min=5.8km az=-1.0.
GUC XII 17 04 48 24.0–.72 34.08S 70.09W 12–3 4.2,3.9L
¶14238999

GUC Error ellipse: s-maj=1.1km s-min=3.2km az=-1.0.
ISC XII 19 18 02 56.7–.80 24.15S–.08 67.1W–.10 173–17 14 2-147
ISCJB XII 19 18 02 55.8–.81 24.14S–.08 67.1W–.10 179–17 **¶12078233**
NEIC XII 19 18 02 56.8–.83 24.10S 67.05W 169–10 3.6b
IDC XII 19 18 02 58.6–4.0 24.04S 66.85W 177–31 3.3b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=13.3km az=178.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.5km az=95.0.
IDC Error ellipse: s-maj=46.4km s-min=31.5km az=45.0.
ISC XII 20 01 08 56.1–.32 30.09S–.02 70.76W–.06 86–3 3.7b 59 0-150
ISCJB XII 20 01 08 55.0–.33 30.08S–.02 70.77W–.07 93–3 3.7b **¶12078273**
GUC XII 20 01 08 55.8–.77 30.09S 70.73W 82–3 4.5L
NEIC XII 20 01 08 55.0 30.14S 70.72W 82 4.0b
IDC XII 20 01 08 56.7–.90 30.12S 70.75W 86–7 3.7,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.0km az=2.3.
GUC Error ellipse: s-maj=1.6km s-min=7.3km az=-1.0.
NEIC Event type fe. Felt [IV] at Coquimbo and La Serena; [III] at Andacollo, La Higuera and Vicuna. After GUC.
IDC Error ellipse: s-maj=25.1km s-min=10.2km az=47.0.
ISC XII 24 00 28 01.3–.61 24.26S–.04 67.1W–.10 169–10 3.8b 26 2-147
ISCJB XII 24 00 28 00.3–.61 24.27S–.04 67.1W–.10 178–10 3.8b **¶12078750**
IDC XII 24 00 28 00.5–1.6 24.25S 67.09W 160–16 3.7b,3.6
NEIC XII 24 00 28 01.7–.63 24.25S 67.07W 177–8 3.9b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=7.0km az=178.9.
IDC Error ellipse: s-maj=33.1km s-min=13.2km az=93.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.7km az=92.0.
GUC XII 25 00 21 58.7–.82 35.11S 70.71W 48–6 3.9L
NEIC XII 25 00 21 58.7 35.11S 70.71W 48 3.9 **¶13837246**
GUC Error ellipse: s-maj=2.3km s-min=5.2km az=-1.0.
NEIC Event type se. After GUC.
GUC XII 25 00 43 49.0–.65 35.19S 70.60W 40–7 3.9,3.2L
NEIC XII 25 00 43 49.0 35.19S 70.60W 40 3.9,3.2L **¶13837247**
GUC Error ellipse: s-maj=2.1km s-min=4.1km az=-1.0.
NEIC Event type se. After GUC.
GUC XII 29 15 20 51.4–.65 34.44S 70.74W 103–4 3.6,3.0L
NEIC XII 29 15 20 51.4 34.44S 70.74W 103 3.6,3.0L **¶13837339**
GUC Error ellipse: s-maj=2.1km s-min=4.6km az=-1.0.
NEIC Event type se. After GUC.
GUC XII 30 04 55 57.9–.70 24.05S 68.10W 148–6 4.0L
NEIC XII 30 04 55 57.9 24.05S 68.10W 148 4.0 **¶13837357**
GUC Error ellipse: s-maj=4.3km s-min=3.9km az=-1.0.
NEIC Event type se. After GUC.
GUC XII 30 23 39 49.1–.82 34.08S 70.07W 18–3 3.5L
NEIC XII 30 23 39 49.1 34.08S 70.07W 18 3.5L **¶13837371**
GUC Error ellipse: s-maj=1.6km s-min=3.6km az=-1.0.
NEIC Event type se. After GUC.

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IDC VII 01 21 22 44.8–4.6 22.28S 66.77W 48–38 3.8,3.7
¶12697929

IDC Error ellipse: s-maj=72.1km s-min=34.2km az=56.0.
GUC VII 01 21 43 41.5–.44 22.68S 66.97W 250–0 4.1L
NEIC VII 01 21 43 41.5 22.68S 66.97W 250 3.7b **¶12950821**
GUC Error ellipse: s-maj=2.5km s-min=3.3km az=-1.0.
NEIC Event type se. After GUC.
ISC VII 08 15 54 16.7–.51 22.91S–.04 66.57W–.05 181–3 4.5b 311 3-173
ISCJB VII 08 15 54 16.2–.50 22.92S–.04 66.63W–.05 192–3 4.4b **¶11103572**
IDC VII 08 15 54 17.6–1.4 22.91S 66.69W 199–11 4.1,4.1
NEIC VII 08 15 54 17.4–.51 22.95S 66.71W 197–5 4.6b,4.1
GUC VII 08 15 54 20.0–.97 22.88S 67.23W 231–42 5.6L,4.1
BJI VII 08 15 54 21.4 22.90S 66.70W 196 4.7b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=148.6.
IDC Error ellipse: s-maj=17.4km s-min=11.0km az=68.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.3km az=61.0.
GUC Error ellipse: s-maj=9.6km s-min=33.2km az=-1.0.
ISC VII 12 09 36 48.3–.59 23.90S–.04 66.76W–.06 180–4 4.0b 168 3-146
ISCJB VII 12 09 36 47.6–.60 23.90S–.04 66.80W–.06 190–4 4.0b **¶11811347**
IDC VII 12 09 36 48.7–1.5 23.93S 66.74W 191–13 3.7,3.6b
GUC VII 12 09 36 51.1–.67 23.65S 67.23W 225–0 4.7L,3.6b
NEIC VII 12 09 36 51.1 23.65S 67.23W 225 4.1b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.8km az=154.7.
IDC Error ellipse: s-maj=21.5km s-min=15.0km az=69.0.
GUC Error ellipse: s-maj=4.9km s-min=5.6km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 19 20 04 22.1–.64 22.26S 66.68W 280–0 3.8L
¶13596926

GUC Error ellipse: s-maj=4.6km s-min=5.5km az=-1.0.
ISC VII 26 03 38 29.7–4.4 23.96S–.07 64.7W–.10 8–28 3.9b 18 7-145
ISCJB VII 26 03 38 27.5–3.7 23.90S–.07 64.7W–.10 6–24 3.9b **¶11812628**
IDC VII 26 03 38 28.4–.93 23.94S 64.71W 0 4.2L,3.9
NEIC VII 26 03 38 32.7–.49 23.78S 64.54W 26 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=12.3km az=179.3.
IDC Error ellipse: s-maj=28.7km s-min=19.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=9.5km az=66.0.
GUC VII 26 03 56 16.9–.85 22.93S 66.99W 220–0 4.1L
¶13597189

GUC Error ellipse: s-maj=5.0km s-min=5.6km az=-1.0.
IDC VII 27 11 22 57.2–9.2 22.74S 66.12W 226–81 3.2,3.1
¶12698455

IDC Error ellipse: s-maj=230.8km s-min=22.2km az=51.0.
ISC VIII 01 06 18 39.3–.19 22.41S–.04 66.61W–.03 214 4.9b 803 3-173
GUC VIII 01 06 18 31.9–1.1 22.38S 66.99W 210–0 6.2L,4.9b **¶11154061**
LDG VIII 01 06 18 36.9 22.05S 66.04W 180 6.2L,4.9b
MOS VIII 01 06 18 36.8–1.0 22.31S 66.72W 204 5.1b,4.9b
ISCJB VIII 01 06 18 37.8–.18 22.32S–.04 66.65W–.03 212 4.9b,4.9b
NEIC VIII 01 06 18 38.9–.18 22.36S 66.63W 212 5.0b,4.9b
IDC VIII 01 06 18 38.4–.43 22.38S 66.70W 208–3 4.5,4.5
BJI VIII 01 06 18 39.9 22.40S 66.60W 212 5.1b,4.5
GCMT VIII 01 06 18 42.3–.20 22.49S 66.92W 217–1 5.3W,4.5
ISC Event type ke.
GUC Error ellipse: s-maj=4.3km s-min=6.7km az=-1.0.
LDG Event type ke.
MOS Error ellipse: s-maj=9.5km s-min=6.0km az=100.3.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.4km az=21.9.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=33.0.
IDC Error ellipse: s-maj=14.6km s-min=8.3km az=62.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s66,c93; s85,c134; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s111.00000°,δ21.00000°,λ-129.00000°. NP2:ϕ_s332.00000°,δ74.00000°,λ-76.00000°. Principal axes: T 1.3800,Plg27.0000°,Azm51.0000°; N -0.2500,Plg13.0000°,Azm148.0000°; P -1.1300,Plg59.0000°,Azm261.0000° $M_0$1.30000×10^{17}
ISC VIII 02 09 45 32.0–1.9 22.54S–.09 66.4W–.30 276–26 3.8b 17 3-145
ISCJB VIII 02 09 45 30.2–1.9 22.64S–.08 66.2W–.20 258–21 3.8b **¶11907698**
IDC VIII 02 09 45 31.9–8.8 22.29S 65.58W 238–59 3.9b,3.6
NEIC VIII 02 09 45 33.2 22.44S 66.69W 278 4.2,3.6
GUC VIII 02 09 45 33.2–.67 22.44S 66.69W 278–0 4.2L,3.6

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.3km s-min=11.9km az=9.6.
IDC Error ellipse: s-maj=115.8km s-min=43.3km az=27.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=7.8km s-min=8.4km az=-1.0.
ISC VIII 05 23 38 58.7–.52 23.30S–.04 66.82W–.05 168–4 4.2b 252 3-170
BJI VIII 05 23 38 57.8 23.30S 66.90W 155 5.3b **¶11154216**
ISCJB VIII 05 23 38 58.0–.53 23.29S–.04 66.86W–.05 178–4 4.2b
NEIC VIII 05 23 38 58.8–.72 23.26S 66.87W 174–7 4.3b
IDC VIII 05 23 38 59.5–1.6 23.21S 66.90W 183–14 4.0,4.0
GUC VIII 05 23 39 01.1–.66 22.97S 67.32W 220–0 4.9L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.4km az=157.3.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.1km az=77.0.
IDC Error ellipse: s-maj=21.2km s-min=14.3km az=74.0.
GUC Error ellipse: s-maj=5.8km s-min=7.4km az=-1.0.
ISC VIII 08 11 12 08.3–.56 23.60S–.04 66.52W–.06 180–6 4.0b 51 3-166
ISCJB VIII 08 11 12 07.7–.58 23.60S–.04 66.56W–.06 191–6 4.0b **¶11907957**
NEIC VIII 08 11 12 08.9–.67 23.61S 66.48W 190–7 4.1b
IDC VIII 08 11 12 08.7–1.5 23.54S 66.49W 190–14 3.9b,3.8
GUC VIII 08 11 12 12.5–.71 23.19S 67.16W 240–0 5.0L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.4km az=170.6.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.1km az=69.0.
IDC Error ellipse: s-maj=18.2km s-min=11.4km az=53.0.
GUC Error ellipse: s-maj=3.9km s-min=5.7km az=-1.0.
IDC VIII 10 06 55 31.6–11 23.89S 66.60W 186–88 2.9,2.7
¶12581004
IDC Error ellipse: s-maj=132.2km s-min=87.2km az=51.0.
GUC VIII 19 01 04 41.5–.26 23.81S 66.90W 220–0 3.6L
¶13827604
GUC Error ellipse: s-maj=7.2km s-min=6.5km az=-1.0.
GUC VIII 19 04 01 50.4–.66 22.55S 66.77W 260–0 4.3L
¶13827608
GUC Error ellipse: s-maj=5.4km s-min=6.1km az=-1.0.
IDC VIII 19 16 55 31.1–20 23.81S 66.94W 358–183 3.7b,3.4
¶12581203
IDC Error ellipse: s-maj=202.2km s-min=33.0km az=142.0.
GUC VIII 23 13 09 05.8–.55 22.62S 66.74W 260–0 4.1L
¶13827826
GUC Error ellipse: s-maj=4.1km s-min=7.0km az=-1.0.
GUC VIII 23 13 37 25.5–.71 22.58S 66.86W 271–36 4.3L
¶13827827
GUC Error ellipse: s-maj=6.0km s-min=30.4km az=-1.0.
ISC VIII 23 19 03 36.8–.63 23.89S–.05 66.66W–.08 194–12 3.2b 28 3-166
ISCJB VIII 23 19 03 36.0–.64 23.90S–.05 66.70W–.08 203–12 3.2b **¶11908652**
NEIC VIII 23 19 03 36.5–.83 23.89S 66.70W 195–10 4.0b
IDC VIII 23 19 03 37.2–1.6 23.87S 66.59W 196–15 3.4,3.3
GUC VIII 23 19 03 40.4–.38 23.47S 67.26W 259–30 4.9L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=8.4km az=169.8.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.1km az=91.0.
IDC Error ellipse: s-maj=22.4km s-min=14.9km az=80.0.
GUC Error ellipse: s-maj=6.8km s-min=26.0km az=-1.0.
ISC VIII 26 18 31 36.4–.57 22.76S–.04 66.23W–.07 239–8 4.3b 49 3-154
ISCJB VIII 26 18 31 35.7–.57 22.78S–.05 66.24W–.07 249–8 4.3b **¶11908871**
NEIC VIII 26 18 31 35.6–.73 22.82S 66.20W 233–8 4.5b
IDC VIII 26 18 31 36.5–1.2 22.76S 66.07W 234–10 3.9,3.8b
GUC VIII 26 18 31 38.7–.98 22.55S 66.70W 270–0 5.0L,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.3km az=178.6.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.9km az=97.0.
IDC Error ellipse: s-maj=21.8km s-min=12.3km az=87.0.
GUC Error ellipse: s-maj=5.7km s-min=6.4km az=-1.0.
IDC VIII 29 04 28 16.3–2.1 22.85S 66.40W 217–21 3.9b,3.4
¶12581525
IDC Error ellipse: s-maj=36.7km s-min=19.4km az=77.0.
IDC IX 25 06 08 31.7–3.5 22.75S 66.26W 243–25 3.4,3.3
¶11910993
IDC Error ellipse: s-maj=49.6km s-min=16.8km az=33.0.
IDC IX 25 07 24 42.0–2.6 22.94S 66.13W 233–29 3.5,3.4
¶11911003
IDC Error ellipse: s-maj=33.4km s-min=23.6km az=101.0.
ISC IX 26 08 28 11.5–.59 23.88S–.04 66.40W–.06 191–6 4.0b 51 4-155
ISCJB IX 26 08 28 10.6–.61 23.89S–.03 66.41W–.06 199–6 3.9b **¶11911075**
IDC IX 26 08 28 12.2–1.3 23.80S 66.41W 200–11 4.0,3.8
NEIC IX 26 08 28 12.1–.65 23.86S 66.36W 199–6 4.1b,3.8
GUC IX 26 08 28 14.7–.74 23.57S 66.94W 240–0 4.6L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.5km az=170.0.
IDC Error ellipse: s-maj=19.3km s-min=12.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.0km az=73.0.
GUC Error ellipse: s-maj=8.2km s-min=8.3km az=-1.0.
ISC X 03 16 02 40.9–.65 23.40S–.04 66.50W–.06 167–5 4.6b 465 2-173
ISCJB X 03 16 02 40.7–.61 23.41S–.04 66.58W–.06 179–5 4.6b **¶11327844**
NEIC X 03 16 02 42.5–.66 23.41S 66.59W 185–6 4.6b
BJI X 03 16 02 43.7 23.40S 66.60W 174 4.9b
IDC X 03 16 02 43.1–1.4 23.39S 66.65W 190–12 4.3,4.2b
GUC X 03 16 02 45.4–.53 23.24S 67.26W 235–10 5.6L,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.5km az=149.7.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.8km az=64.0.
IDC Error ellipse: s-maj=14.5km s-min=9.3km az=63.0.
GUC Error ellipse: s-maj=8.7km s-min=12.8km az=-1.0.
ISC X 15 01 47 34.3–.58 23.12S–.04 66.42W–.05 182–5 4.3b 413 3-168
ISCJB X 15 01 47 34.1–.56 23.16S–.04 66.51W–.05 196–5 4.2b **¶11349213**
NEIC X 15 01 47 35.1–.60 23.10S 66.49W 194–6 4.4b
IDC X 15 01 47 35.9–1.5 23.04S 66.50W 203–14 4.0,3.9b
BJI X 15 01 47 37.0 23.10S 66.50W 193 4.8b,3.9b
GUC X 15 01 47 39.6–.59 23.09S 67.02W 211–40 5.3L,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.5km az=147.9.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.5km az=57.0.
IDC Error ellipse: s-maj=15.9km s-min=10.4km az=62.0.
GUC Error ellipse: s-maj=8.6km s-min=27.1km az=-1.0.
ISC X 20 23 48 15.1–.72 22.86S–.05 66.62W–.08 193–8 3.6b 29 3-145
ISCJB X 20 23 48 14.4–.73 22.89S–.05 66.65W–.08 205–8 3.6b **¶12069177**
IDC X 20 23 48 14.7–1.8 22.82S 66.61W 190–18 3.4,3.3b
NEIC X 20 23 48 15.1–.75 22.85S 66.56W 200–8 3.9b,3.3b
GUC X 20 23 48 17.9–.42 22.73S 67.08W 220–0 4.5L,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=7.3km az=168.8.
IDC Error ellipse: s-maj=30.6km s-min=13.5km az=86.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.0km az=81.0.
GUC Error ellipse: s-maj=7.3km s-min=5.9km az=-1.0.
ISC X 21 21 42 58.0–.66 22.04S–.05 66.47W–.08 251–8 3.8b 53 3-145
IDC X 21 21 42 57.0–1.6 21.65S 66.06W 248–16 3.5b,3.5 **¶12070755**
ISCJB X 21 21 42 57.2–.65 22.03S–.04 66.48W–.08 260–7 3.8b,3.5
GUC X 21 21 42 58.1–.52 22.02S 66.61W 244–31 4.7L,3.5
NEIC X 21 21 42 58.1–.68 22.03S 66.50W 252–7 4.0b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=12.7km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.8km az=173.2.
GUC Error ellipse: s-maj=8.4km s-min=23.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.9km az=75.0.
IDC X 22 01 46 25.9–9.3 22.24S 66.73W 114–70 3.9b,3.5
¶12070771
IDC Error ellipse: s-maj=119.8km s-min=65.0km az=59.0.
ISC X 27 00 30 38.4–.66 23.28S–.05 66.65W–.08 200–9 3.3b 32 3-143
ISCJB X 27 00 30 37.5–.66 23.25S–.04 66.67W–.08 210–9 3.3b **¶12071208**
NEIC X 27 00 30 38.4–.65 23.24S 66.62W 203–9 3.8b
IDC X 27 00 30 38.5–1.9 23.28S 66.63W 204–20 3.4,3.3
GUC X 27 00 30 41.3–.64 23.02S 67.07W 220–0 4.6L,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.6km az=173.8.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.7km az=83.0.
IDC Error ellipse: s-maj=24.2km s-min=18.4km az=66.0.
GUC Error ellipse: s-maj=7.3km s-min=6.0km az=-1.0.
IDC XI 04 18 28 35.2–11 23.35S 66.05W 213–82 3.8s,3.8
¶12072276
IDC Error ellipse: s-maj=129.3km s-min=70.1km az=35.0.
ISC XI 15 15 16 55.9–.69 23.39S–.06 66.55W–.09 208–10 4.0b 37 3-166
IDC XI 15 15 16 54.7–1.5 23.39S 66.51W 194–16 3.9b,3.8 **¶12073635**
ISCJB XI 15 15 16 55.0–.70 23.44S–.05 66.57W–.09 216–10 4.0b,3.8
NEIC XI 15 15 16 56.0–.88 23.40S 66.52W 211–12 4.4b,3.8
GUC XI 15 15 16 57.2–.41 23.08S 66.94W 245–0 4.9L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=14.2km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.1km az=167.8.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=11.5km az=66.0.
GUC Error ellipse: s-maj=11.0km s-min=7.5km az=-1.0.
IDC XI 20 09 38 36.6–11 23.75S 65.93W 179–88 3.7s,3.7
¶12074247
IDC Error ellipse: s-maj=134.9km s-min=79.9km az=43.0.
IDC XI 21 22 34 15.6–10 23.40S 66.40W 217–80 2.8b,2.8
¶12074447
IDC Error ellipse: s-maj=131.7km s-min=81.3km az=47.0.
ISC XI 29 23 41 46.0–1.2 23.05S–.05 67.0W–.20 190–16 3.6b 20 7-146
IDC XI 29 23 41 43.1–4.1 22.80S 66.72W 163–37 3.4b,3.4 **¶12075290**
ISCJB XI 29 23 41 45.5–1.3 23.05S–.05 67.0W–.20 203–16 3.5b,3.4
NEIC XI 29 23 41 46.0–1.4 23.00S 66.82W 189–15 4.3b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=20.1km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=33.6km s-min=8.1km az=6.5.
NEIC Event type se. Error ellipse: s-maj=33.1km s-min=12.5km az=94.0.
ISC XII 07 03 34 38.7–1.3 22.93S–.07 66.6W–.20 179–11 3.6b 27 7-155
ISCJB XII 07 03 34 37.3–1.2 23.01S–.05 66.8W–.20 183–11 3.6b **¶12076104**
IDC XII 07 03 34 38.8–2.3 22.95S 66.60W 181–22 3.6,3.5
NEIC XII 07 03 34 39.1–1.1 22.97S 66.66W 185–10 3.7b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.8km s-min=8.6km az=176.8.
IDC Error ellipse: s-maj=27.3km s-min=18.0km az=76.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=9.4km az=84.0.
ISC XII 08 17 42 50.5–1.2 22.70S–.06 65.9W–.20 242–16 3.7b 19 7-154
ISCJB XII 08 17 42 49.9–1.2 22.73S–.06 65.9W–.20 253–15 3.7b **¶12076387**
IDC XII 08 17 42 50.5–1.4 22.67S 65.84W 238–12 3.6b,3.6
NEIC XII 08 17 42 50.3–1.0 22.73S 65.83W 235–11 4.3b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.7km s-min=10.1km az=0.5.
IDC Error ellipse: s-maj=19.8km s-min=14.9km az=91.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=10.2km az=98.0.
ISC XII 20 07 12 05.5–.44 24.00S–.03 66.69W–.05 177–3 4.5b 142 2-174
ISCJB XII 20 07 12 04.6–.45 24.02S–.03 66.71W–.05 184–4 4.5b **¶11514960**
IDC XII 20 07 12 05.7–1.1 23.99S 66.66W 182–9 4.2,4.1
BJI XII 20 07 12 05.8 24.00S 66.60W 172 5.0b,4.1
NEIC XII 20 07 12 05.7–.56 24.00S 66.64W 182–5 4.5b,4.1
GUC XII 20 07 12 07.5–.46 23.85S 67.21W 224–7 5.4L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.8km az=156.3.
IDC Error ellipse: s-maj=13.3km s-min=8.4km az=65.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.3km az=64.0.
GUC Error ellipse: s-maj=5.2km s-min=5.0km az=-1.0.
IDC XII 24 18 38 58.5–9.7 22.19S 65.71W 260–80 3.4b,3.2
¶12078838
IDC Error ellipse: s-maj=113.9km s-min=76.7km az=28.0.
ISC XII 28 09 58 06.1–2.4 23.9S–.30 66.4W–.10 201–15 3.5b 16 3-146
IDC XII 28 09 57 35.1–1.6 25.85S 66.98W 0 4.3L,4.1 **¶12079264**
ISCJB XII 28 09 58 05.0–2.4 24.0S–.30 66.4W–.10 207–15 3.5b,4.1
NEIC XII 28 09 58 05.4–2.1 23.98S 66.37W 201–14 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=50.7km s-min=29.2km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=43.1km s-min=19.6km az=169.3.
NEIC Event type se. Error ellipse: s-maj=33.6km s-min=18.0km az=169.0.

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ISC VII 15 23 46 21.7–.81 24.14S–.05 66.6W–.20 178–10 3.7b 17 6-94
ISCJB VII 15 23 46 21.1–.87 24.15S–.05 66.6W–.20 190–11 3.7b **¶11811703**
IDC VII 15 23 46 21.3–1.7 24.12S 66.50W 172–17 3.6,3.5
NEIC VII 15 23 46 21.9–.84 24.10S 66.55W 180–10 4.1b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=7.6km az=2.4.
IDC Error ellipse: s-maj=26.1km s-min=14.7km az=90.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=8.5km az=97.0.
ISC VII 15 23 46 54.2–.81 24.46S–.04 66.95W–.08 152–8 4.1b 54 6-147
ISCJB VII 15 23 46 53.0–.89 24.44S–.04 66.98W–.08 157–9 4.1b **¶11811704**
NEIC VII 15 23 46 54.4–.64 24.46S 67.00W 156–6 4.3b
IDC VII 15 23 46 55.5–1.9 24.45S 66.99W 164–17 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=7.2km az=171.9.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.1km az=83.0.
IDC Error ellipse: s-maj=19.5km s-min=13.4km az=59.0.
ISC VII 22 19 29 44.0–.65 24.14S–.06 66.97W–.07 175–8 3.5b 26 3-147
IDC VII 22 19 29 42.6–2.1 24.14S 66.99W 164–19 3.8,3.7 **¶11812388**
ISCJB VII 22 19 29 43.2–.66 24.13S–.06 66.98W–.07 181–8 3.5b,3.7
NEIC VII 22 19 29 43.5–.71 24.06S 66.95W 173–7 4.9b,3.7
GUC VII 22 19 29 45.7–.76 24.09S 67.46W 215–191 4.6L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=16.9km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=8.2km az=153.2.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.8km az=91.0.
GUC Error ellipse: s-maj=40.9km s-min=117.0km az=-1.0.
ISC VII 28 14 32 04.1–.96 24.03S–.05 66.9W–.10 174–12 3.6b 20 8-146
ISCJB VII 28 14 32 03.1–1.0 24.04S–.05 67.0W–.10 180–13 3.6b **¶11812783**
IDC VII 28 14 32 04.7–1.6 23.95S 66.85W 182–16 3.6,3.6
NEIC VII 28 14 32 04.7–.82 24.05S 66.81W 185–8 4.1b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=8.2km az=3.2.
IDC Error ellipse: s-maj=21.5km s-min=12.6km az=88.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.6km az=91.0.
ISC VIII 03 15 44 35.1–.66 24.30S–.04 66.91W–.07 155–8 3.7b 29 3-147
ISCJB VIII 03 15 44 34.6–.72 24.29S–.04 66.97W–.08 166–9 3.7b **¶11907737**
IDC VIII 03 15 44 34.3–1.6 24.30S 66.92W 153–15 3.9,3.7
NEIC VIII 03 15 44 35.6–.88 24.24S 67.02W 166–9 4.7b,3.7
GUC VIII 03 15 44 37.8–.90 24.30S 67.59W 203–57 4.5L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=7.1km az=10.1.
IDC Error ellipse: s-maj=25.5km s-min=12.8km az=94.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=9.8km az=94.0.
GUC Error ellipse: s-maj=12.2km s-min=37.5km az=-1.0.
ISC VIII 06 02 02 44.0–.58 24.24S–.04 66.99W–.06 151–5 3.9b 45 3-147
ISCJB VIII 06 02 02 43.2–.60 24.24S–.04 67.03W–.06 159–6 3.9b **¶11907812**
NEIC VIII 06 02 02 43.9–.70 24.27S 67.05W 153–7 4.0b
IDC VIII 06 02 02 43.9–1.7 24.22S 66.97W 156–16 4.0,3.9
GUC VIII 06 02 02 46.6–.60 23.98S 67.38W 195–47 4.8L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.6km az=154.5.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.7km az=85.0.
IDC Error ellipse: s-maj=22.4km s-min=12.9km az=84.0.
GUC Error ellipse: s-maj=10.1km s-min=29.9km az=-1.0.
ISC VIII 07 07 44 25.1–.57 24.00S–.04 66.92W–.06 166–5 4.1b 50 3-146
ISCJB VIII 07 07 44 24.3–.58 24.01S–.04 66.94W–.06 175–5 4.1b **¶11907868**
NEIC VIII 07 07 44 24.9–.70 24.02S 66.97W 165–8 4.2b

IDC VIII 07 07 44 25.5–1.7 24.02S 66.90W 176–15 3.8,3.7b
GUC VIII 07 07 44 27.1–.39 23.60S 67.25W 220–0 4.9L,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.6km az=162.6.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.7km az=89.0.
IDC Error ellipse: s-maj=21.2km s-min=15.0km az=72.0.
GUC Error ellipse: s-maj=7.0km s-min=5.1km az=-1.0.
IDC VIII 22 06 34 04.5–1.9 24.40S 66.69W 148–25 3.2,3.1b
¶12581287
IDC Error ellipse: s-maj=64.2km s-min=17.9km az=99.0.
ISC IX 15 23 36 51.7–.48 24.18S–.03 66.75W–.04 143–3 5.0b 656 2-174
BJI IX 15 23 36 45.7 24.81S 67.76W 105 5.0b **¶11277584**
MOS IX 15 23 36 50.4–1.2 24.09S 66.90W 147 5.1b
ISCJB IX 15 23 36 50.9–.50 24.17S–.03 66.79W–.04 151–4 5.0b
NEIC IX 15 23 36 52.1–.15 24.17S 66.80W 152 5.1b
IDC IX 15 23 36 54.0–1.1 24.22S 66.87W 170–8 4.7,4.7
GUC IX 15 23 36 56.3–1.2 24.04S 67.49W 218–11 5.5L,4.7
GCMT IX 15 23 36 59.9–.30 24.34S 67.22W 202–2 5.1W,4.7
ISC Event type se.
MOS Error ellipse: s-maj=13.8km s-min=7.7km az=115.6.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.3km az=146.2.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.8km az=63.0.
IDC Error ellipse: s-maj=13.9km s-min=9.4km az=68.0.
GUC Error ellipse: s-maj=8.7km s-min=8.7km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s36,c44; s77,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.51±.16 $M_{\theta\theta}$-1.21±.20; $M_{\phi\phi}$5.72±.23; $M_{r\theta}$-0.14±.15; $M_{\theta\phi}$0.24±.18; $M_{\theta r}$-3.40±.17; Best double couple: NP1:ϕ_s182.00000°,δ28.00000°,λ-91.00000°. NP2:ϕ_s2.00000°,δ62.00000°,λ-90.00000°. Principal axes: T 6.7600,Plg17.0000° ,Azm92.0000°; N -1.2200,Plg0.0000°,Azm182.0000°; P -5.5400,Plg73.0000°,Azm273.0000° $M_0$6.20000×10^{16}
ISC IX 25 17 54 47.3–.88 24.32S–.05 67.0W–.10 155–10 3.4b 18 7-156
ISCJB IX 25 17 54 46.6–.98 24.33S–.05 67.0W–.10 167–11 3.4b **¶11911027**
IDC IX 25 17 54 47.4–1.7 24.27S 67.01W 155–15 3.7,3.6
NEIC IX 25 17 54 48.3–1.1 24.28S 66.86W 166–10 4.2b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=8.2km az=176.7.
IDC Error ellipse: s-maj=20.5km s-min=13.1km az=84.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=11.4km az=78.0.
IDC IX 26 20 33 17.2–1.7 24.06S 66.73W 179–23 3.2,3.1
¶11911117
IDC Error ellipse: s-maj=31.1km s-min=16.1km az=89.0.
ISC IX 29 13 04 01.1–.73 24.28S–.04 66.92W–.06 153–7 4.4b 472 6-174
BJI IX 29 13 03 58.6 24.30S 67.00W 120 5.1b **¶11322364**
ISCJB IX 29 13 04 00.3–.79 24.27S–.04 66.97W–.06 160–7 4.4b
IDC IX 29 13 04 01.8–1.4 24.25S 67.04W 164–12 4.3,4.2
NEIC IX 29 13 04 01.6–.70 24.26S 67.01W 160–7 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.1km az=162.5.
IDC Error ellipse: s-maj=13.7km s-min=10.0km az=80.0.
NEIC Error ellipse: s-maj=7.4km s-min=5.7km az=63.0.
ISC X 11 03 21 47.7–.75 22.01S–.10 63.7W–.10 526–13 3.6b 23 7-153
ISCJB X 11 03 21 46.9–.77 22.12S–.07 63.7W–.10 526–13 3.6b **¶12066559**
NEIC X 11 03 21 48.0–.75 22.08S 63.73W 531–10 3.7b
IDC X 11 03 21 47.3–1.2 22.01S 63.74W 522–17 3.5b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=10.8km az=173.3.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=13.1km az=63.0.
IDC Error ellipse: s-maj=22.7km s-min=16.0km az=87.0.
ISC XI 05 13 36 07.8–.99 24.05S–.07 66.6W–.20 191–14 3.8b 15 8-146
ISCJB XI 05 13 36 06.6–.93 24.12S–.05 66.7W–.20 198–14 3.7b **¶12072409**
IDC XI 05 13 36 06.8–1.7 24.05S 66.58W 181–16 3.5b,3.3
NEIC XI 05 13 36 08.1–1.1 24.03S 66.58W 198–10 4.1b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=8.8km az=178.1.
IDC Error ellipse: s-maj=29.1km s-min=14.4km az=94.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=12.6km az=86.0.
ISC XI 10 10 56 14.3–.82 24.17S–.06 66.6W–.10 173–11 3.7b 19 6-146
ISCJB XI 10 10 56 13.5–.87 24.19S–.06 66.6W–.10 180–12 3.7b **¶12073059**
IDC XI 10 10 56 13.5–1.6 24.17S 66.52W 169–15 3.5b,3.5
NEIC XI 10 10 56 14.5–.92 24.21S 66.60W 169–27 3.8b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=9.1km az=177.4.
IDC Error ellipse: s-maj=27.2km s-min=13.0km az=94.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=11.9km az=101.0.
ISC XI 18 11 33 09.3–.52 24.17S–.04 66.99W–.06 155–4 4.4b 107 3-166
ISCJB XI 18 11 33 08.5–.56 24.19S–.04 67.02W–.06 163–4 4.4b **¶12074001**
IDC XI 18 11 33 11.0–1.4 24.02S 66.91W 175–11 4.2,4.2
NEIC XI 18 11 33 10.1–.74 24.15S 66.97W 166–7 4.4b,4.2
GUC XI 18 11 33 13.2–.60 23.94S 67.48W 200–0 5.1L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.2km az=157.7.
IDC Error ellipse: s-maj=17.8km s-min=11.1km az=61.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.7km az=62.0.
GUC Error ellipse: s-maj=6.3km s-min=7.0km az=-1.0.
ISC XI 20 00 05 05.6–.67 24.00S–.05 66.83W–.09 188–10 3.8b 33 3-146
ISCJB XI 20 00 05 04.7–.68 24.04S–.05 66.87W–.09 199–10 3.6b **¶12074213**
IDC XI 20 00 05 06.0–1.9 23.97S 66.74W 193–18 3.6,3.5s
NEIC XI 20 00 05 05.6–.75 24.02S 66.81W 194–8 4.1b,3.5s
GUC XI 20 00 05 08.3–.50 23.78S 67.25W 220–0 4.9L,3.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=7.3km az=168.9.
IDC Error ellipse: s-maj=22.7km s-min=16.1km az=81.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.2km az=80.0.
GUC Error ellipse: s-maj=9.5km s-min=9.2km az=-1.0.
ISC XI 30 13 55 22.1–.88 24.13S–.05 66.81W–.08 179–9 4.3b 71 6-174
ISCJB XI 30 13 55 21.4–.90 24.14S–.05 66.82W–.08 188–9 4.3b **¶11482986**
NEIC XI 30 13 55 22.1–.64 24.09S 66.79W 180–6 4.4b
IDC XI 30 13 55 22.0–2.1 24.08S 66.76W 179–19 4.1,4.0b
BJI XI 30 13 55 22.2 24.10S 66.80W 170 5.1b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=7.4km az=160.2.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.3km az=61.0.
IDC Error ellipse: s-maj=16.5km s-min=12.8km az=54.0.
ISC XII 05 03 49 13.5–3.2 24.91S–.08 65.1W–.10 31–25 3.9b 18 6-146
ISCJB XII 05 03 49 08.9–4.3 24.88S–.08 65.1W–.10 12–29 3.9b **¶12075827**
NEIC XII 05 03 49 12.4–.40 24.88S 65.11W 24 4.3,3.9b
IDC XII 05 03 49 12.5–.85 25.00S 65.12W 25–5 4.0,3.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=13.4km az=170.7.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=7.5km az=90.0. Felt [IV] in the Cerrillos-La Merced area. Also felt at Salta.
IDC Error ellipse: s-maj=22.7km s-min=20.7km az=163.0.
ISC XII 26 03 15 43.8–.42 24.00S–.03 66.65W–.04 171–3 4.7b 548 2-173
ISCJB XII 26 03 15 43.2–.42 24.03S–.03 66.72W–.04 182–3 4.7b **¶11519269**
NEIC XII 26 03 15 44.4–.43 24.03S 66.71W 186–4 4.8b
IDC XII 26 03 15 45.3–1.3 23.97S 66.70W 190–11 4.3,4.3
BJI XII 26 03 15 45.2 24.00S 66.70W 165 5.0b,4.3
GUC XII 26 03 15 45.3–.86 23.89S 67.39W 242–8 5.3L,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.7km az=140.8.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.5km az=65.0.
IDC Error ellipse: s-maj=12.9km s-min=7.9km az=65.0.
GUC Error ellipse: s-maj=9.6km s-min=8.0km az=-1.0.
IDC XII 30 22 18 29.1–3.3 25.49S 66.48W 0 3.8,3.7
¶12079602
IDC Error ellipse: s-maj=89.7km s-min=48.1km az=72.0.

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ISC VII 14 18 40 00.3–.56 27.96S–.04 66.56W–.06 157–6 4.3b 60 4-167
ISCJB VII 14 18 39 59.9–.59 27.98S–.04 66.61W–.06 169–6 4.3b **¶11811578**
GUC VII 14 18 39 59.6–.84 28.06S 66.70W 202–89 5.8L
NEIC VII 14 18 40 00.9–.64 27.93S 66.49W 163–6 4.6b
IDC VII 14 18 40 01.3–.49 28.02S 66.47W 166–4 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.3km az=3.0.
GUC Error ellipse: s-maj=7.5km s-min=42.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.4km az=77.0.
IDC Error ellipse: s-maj=12.3km s-min=8.9km az=91.0.
ISC VII 16 13 26 36.1–.76 27.90S–.07 66.66W–.08 154–10 3.6b 15 4-149
ISCJB VII 16 13 26 34.9–.76 27.86S–.06 66.69W–.08 157–10 3.6b **¶11811747**
IDC VII 16 13 26 35.6–1.5 27.90S 66.73W 152–14 3.8,3.7
NEIC VII 16 13 26 36.1–.55 27.86S 66.66W 156–5 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=9.5km az=14.4.
IDC Error ellipse: s-maj=24.8km s-min=13.6km az=104.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.2km az=102.0.
ISC IX 06 14 15 59.3–1.0 27.79S–.07 66.8W–.10 144–15 3.6b 12 4-128
ISCJB IX 06 14 15 58.2–1.0 27.77S–.06 66.8W–.10 153–15 3.6b **¶11909608**
IDC IX 06 14 15 58.8–1.5 27.73S 67.21W 150–15 4.1b,3.7
NEIC IX 06 14 15 59.5–.77 27.75S 66.83W 155–9 3.9b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=9.5km az=2.8.
IDC Error ellipse: s-maj=47.2km s-min=12.9km az=102.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=8.8km az=98.0.
IDC IX 24 01 31 35.3–1.7 27.97S 67.55W 212–16 3.2,3.1
¶11910911
IDC Error ellipse: s-maj=43.6km s-min=17.2km az=101.0.
ISC X 03 12 45 09.5–.72 28.03S–.07 66.1W–.10 10 4.0b 19 4-149
ISCJB X 03 12 45 07.2–.73 28.01S–.07 66.1W–.10 10 4.0b **¶12065781**
IDC X 03 12 45 07.7–.88 28.06S 66.24W 0 3.8,3.7
NEIC X 03 12 45 09.1–.48 28.03S 66.15W 10 4.2,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.9km s-min=8.1km az=30.0.
IDC Error ellipse: s-maj=28.6km s-min=14.4km az=121.0.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=8.9km az=127.0. Felt [IV] at Poman and [III] at San Fernando.
ISC X 28 10 49 09.6–.93 27.05S–.08 67.7W–.10 176–20 9 3-149
ISCJB X 28 10 49 08.9–.94 27.12S–.08 67.7W–.10 188–21 **¶12071323**
NEIC X 28 10 49 09.5–1.1 27.14S 67.62W 164–12
IDC X 28 10 49 11.1–13 27.08S 67.41W 171–76 3.3,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=13.4km az=7.3.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=16.9km az=152.0.
IDC Error ellipse: s-maj=178.7km s-min=35.8km az=40.0.
ISC XI 28 20 51 27.5–1.3 29.0S–.10 67.0W–.10 35 9 3-150
IDC XI 28 20 51 19.4–1.4 28.85S 67.39W 0 4.4L,3.4 **¶12075182**
ISCJB XI 28 20 51 24.8–1.3 29.01S–.10 66.9W–.10 33 4.4L,3.4
NEIC XI 28 20 51 26.9–1.3 29.10S 67.03W 52–15 4.1,3.4
ISC Event type fe.
IDC Error ellipse: s-maj=59.3km s-min=27.5km az=119.0.
ISCJB Event type fe. Error ellipse: s-maj=16.3km s-min=11.3km az=139.2.
NEIC Event type fe. Error ellipse: s-maj=21.5km s-min=15.4km az=170.0. Felt [IV] at La Rioja.
ISC XII 13 00 35 52.6–.97 27.87S–.09 66.76W–.10 167–13 3.3b 16 4-149
ISCJB XII 13 00 35 51.8–.98 27.90S–.09 66.77W–.10 176–13 3.3b **¶12077220**
NEIC XII 13 00 35 52.7–.78 27.82S 66.75W 164–8 3.8b
IDC XII 13 00 35 55.4–1.6 28.18S 66.44W 176–15 3.1b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=14.2km az=153.6.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=11.4km az=126.0.
IDC Error ellipse: s-maj=32.3km s-min=16.6km az=115.0.
IDC XII 16 03 09 36.9–4.8 27.80S 67.52W 136–47 3.7,3.5b
¶12077705
IDC Error ellipse: s-maj=44.6km s-min=38.7km az=11.0.
ISC XII 19 15 21 01.7–.58 27.98S–.04 66.90W–.08 147–9 3.8b 32 4-149
ISCJB XII 19 15 21 00.7–.62 28.00S–.04 66.91W–.08 157–9 3.8b **¶12078222**
IDC XII 19 15 21 00.9–1.4 27.93S 67.07W 141–13 3.7b,3.7
NEIC XII 19 15 21 01.7–.70 27.97S 66.88W 147–7 3.8b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.7km az=178.0.
IDC Error ellipse: s-maj=22.9km s-min=12.5km az=102.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.8km az=93.0.

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ISC IX 03 11 25 14.6–.11 26.83S–.02 63.19W–.02 571 5.9b 1290 6-178
DJA IX 03 11 24 11 26.14S 64.20W 15 6.9b **¶12951880**
SZGRF IX 03 11 24 58.5 28.07S 64.38W 576 6.9b
IGIL IX 03 11 25 13.0 26.57S 63.18W 547 5.3s
BJI IX 03 11 25 13.5 26.22S 63.79W 566 6.0b
ISCJB IX 03 11 25 13.6–.10 26.77S–.02 63.21W–.02 569 5.9b
IDC IX 03 11 25 15.0–.28 26.67S 63.29W 575–2 5.5,5.5
NEIC IX 03 11 25 14.4–.10 26.74S 63.23W 570 6.3W,6.3W
MOS IX 03 11 25 14.2–.78 26.71S 63.29W 576 6.1b,5.1s
LDG IX 03 11 25 14.8–.53 26.31S 63.34W 570–0 6.0b,4.9s
GCMT IX 03 11 25 17.6–.10 26.85S 63.30W 571–0 6.3W,4.9s
BGS IX 03 11 25 22.8–1.3 25.06S 61.88W 570–0 5.4b,4.9s
ISC Event type fe.
SZGRF Santiago del Estero Province, Argentina.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=169.1.
IDC Error ellipse: s-maj=7.5km s-min=5.2km az=61.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=27.0. Felt [III] at Catamarca, Cordoba, La Rioja, Mendoza, San Juan, San Miguel de Tucuman and Santiago del Estero. Also felt at Calama and Copiapo, Chile. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s150.00000°,δ70.00000°,λ-90.00000°. NP2: ϕ_s330.00000°,δ20.00000°,λ-90.00000°. Principal axes: T Plg25.0000°,Azm240.0000° ; N Plg0.0000°,Azm0.0000°; P Plg65.0000°,Azm60.0000° Moment Tensor Solution. s78 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.48 $M_{\theta\theta}$-0.68 $M_{\phi\phi}$2.16 $M_{r\theta}$-1.84 $M_{\theta\phi}$-0.24 $M_{\theta r}$2.45 Best double couple: NP1:ϕ_s147.00000°,δ77.00000°,λ-110.00000°. NP2:ϕ_s25.00000° ,δ23.00000°,λ-35.00000°. Principal axes: T 3.6700,Plg29.0000°,Azm253.0000° ; N -0.0900,Plg18.0000°,Azm152.0000°; P -3.5700,Plg54.0000°,Azm33.0000° $M_0$3.60000×10^{18}
MOS Error ellipse: s-maj=8.0km s-min=5.1km az=77.8.
LDG Event type ke. Error ellipse: s-maj=35.7km s-min=21.6km az=64.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s110,c241; s85,c122; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.31±.02 $M_{\theta\theta}$-0.54±.03; $M_{\phi\phi}$1.85±.03; $M_{r\theta}$-1.60±.03; $M_{\theta\phi}$-0.09±.02; $M_{\theta r}$2.39±.02; Best double couple: NP1:ϕ_s26.00000°,δ21.00000°,λ-36.00000°. NP2:ϕ_s150.00000°,δ78.00000°,λ-108.00000°. Principal axes: T 3.3300,Plg30.0000° ,Azm255.0000°; N -0.0300,Plg17.0000°,Azm154.0000°; P -3.3000,Plg54.0000° ,Azm39.0000° $M_0$3.30000×10^{18}
BGS Error ellipse: s-maj=981.3km s-min=435.2km az=-1.0.
ISC IX 21 17 35 24.3–.56 26.59S–.05 63.4W–.10 565–9 4.1b 27 5-146
ISCJB IX 21 17 35 24.0–.55 26.63S–.05 63.4W–.10 576–10 4.1b **¶11910776**
IDC IX 21 17 35 24.2–.95 26.55S 63.38W 557–11 3.7b,3.5
NEIC IX 21 17 35 24.5–.55 26.58S 63.39W 564–8 4.4b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=8.2km az=176.4.
IDC Error ellipse: s-maj=16.7km s-min=12.5km az=102.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.1km az=89.0.
ISC XII 23 16 48 29.5–.52 27.03S–.06 63.45W–.08 571–8 3.7b 28 6-147
ISCJB XII 23 16 48 29.3–.51 27.08S–.06 63.41W–.08 583–8 3.7b **¶12078695**
IDC XII 23 16 48 29.6–.88 27.01S 63.42W 566–9 3.4b,3.3
NEIC XII 23 16 48 29.5–.47 27.04S 63.43W 571–6 4.0b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=9.8km az=6.9.
IDC Error ellipse: s-maj=18.1km s-min=13.7km az=129.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.5km az=94.0.
ISC XII 28 05 52 41.8–.85 29.63S–.06 64.60W–.07 38–12 3.7b 23 4-149
IDC XII 28 05 52 36.1–.90 29.63S 64.63W 0 3.8b,3.8 **¶12079244**
ISCJB XII 28 05 52 39.3–1.2 29.64S–.07 64.59W–.07 35–15 3.7b,3.8
NEIC XII 28 05 52 41.7–.75 29.65S 64.58W 39–9 3.7b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=14.3km az=142.0.

ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=9.1km az=144.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=8.5km az=111.0.

(134) Off coast of central Chile.

GUC VII 02 09 13 34.0–.88 30.61S 72.47W 36–7 3.5,2.6L
NEIC VII 02 09 13 34.0 30.61S 72.47W 36 2.6L,2.6L ¶12950849
GUC Error ellipse: s-maj=3.6km s-min=9.3km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 06 22 20 07.0–.90 30.11S 72.07W 8–11 3.6L
¶13596442
GUC Error ellipse: s-maj=11.0km s-min=6.9km az=-1.0.
ISC VII 08 03 02 27.4–1.3 31.59S–.03 72.17W–.07 13–6 55 1-155
IDC VII 08 03 02 24.7–1.8 31.61S 72.96W 0 4.2L,3.9 ¶11810957
ISCJB VII 08 03 02 26.2–1.4 31.60S–.03 72.25W–.08 15–10 4.2L,3.9
GUC VII 08 03 02 27.6–.74 31.59S 72.17W 32–2 4.4,4.2L
NEIC VII 08 03 02 27.6 31.59S 72.17W 32 4.2L,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=75.3km s-min=36.9km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=4.3km az=5.2.
GUC Error ellipse: s-maj=1.6km s-min=4.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 13 05 29 26.5–.56 31.89S 72.25W 16–6 3.8,3.2L
NEIC VII 13 05 29 26.5 31.89S 72.25W 16 3.2L,3.2L ¶12951271
GUC Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0.
NEIC Event type se. After GUC.
ISC VII 14 17 22 40.1–.76 32.55S–.02 72.05W–.05 10–4 4.0b 82 1-171
IDC VII 14 17 22 38.6–.77 32.58S 71.86W 0 4.1,4.0L ¶11811572
ISCJB VII 14 17 22 39.4–1.2 32.55S–.03 72.13W–.05 15–8 4.0b,4.0L
GUC VII 14 17 22 41.6–.72 32.56S 72.01W 15–4 4.3,4.2L
NEIC VII 14 17 22 41.6 32.56S 72.01W 15 4.5b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=17.5km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.0km az=164.3.
GUC Error ellipse: s-maj=1.6km s-min=4.9km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 14 22 04 51.3–.72 32.11S 72.08W 31–3 3.9,3.2L
NEIC VII 14 22 04 51.3 32.11S 72.08W 31 3.2L,3.2L ¶12951285
GUC Error ellipse: s-maj=2.2km s-min=5.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 15 01 51 58.9–.70 32.57S 72.04W 15–7 3.9,3.2L
NEIC VII 15 01 51 58.9 32.57S 72.04W 15 3.2L,3.2L ¶12951333
GUC Error ellipse: s-maj=1.8km s-min=8.5km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 15 03 39 43.0–.91 31.81S 72.23W 4–3 4.2,4.0L
NEIC VII 15 03 39 43.0 31.81S 72.23W 4 4.0L,4.0L ¶12951330
GUC Error ellipse: s-maj=1.7km s-min=4.1km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 15 07 09 41.0–.42 31.84S 72.03W 8–1 3.5,2.8L
¶13596775
GUC Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0.
GUC VII 15 23 34 30.7–.69 32.20S 72.15W 23–3 3.5,2.9L
NEIC VII 15 23 34 30.7 32.20S 72.15W 23 2.9L,2.9L ¶12951308
GUC Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 16 02 10 43.0–.90 31.75S 72.06W 29–5 3.5,3.0L
NEIC VII 16 02 10 43.0 31.75S 72.06W 29 3.0L,3.0L ¶12951363
GUC Error ellipse: s-maj=6.2km s-min=6.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 16 04 26 20.5–.54 32.14S 72.23W 27–2 3.9,3.3L
NEIC VII 16 04 26 20.5 32.14S 72.23W 27 3.3L,3.3L ¶12951360
GUC Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 16 06 03 37.2–.84 31.76S 72.16W 4–3 3.9,3.4L
NEIC VII 16 06 03 37.2 31.76S 72.16W 4 3.4L,3.4L ¶12951358
GUC Error ellipse: s-maj=2.3km s-min=4.1km az=-1.0.
NEIC Event type se. After GUC.
ISC VII 16 06 47 41.6–.71 31.75S–.03 72.17W–.06 10 4.0b 40 1-155
ISCJB VII 16 06 47 40.2–.71 31.75S–.03 72.23W–.06 10 4.0b ¶11811720
GUC VII 16 06 47 40.0–.85 31.76S 72.15W 2–3 4.0L,4.0
IDC VII 16 06 47 40.2–1.4 31.70S 72.28W 0 3.8,3.7b
NEIC VII 16 06 47 40.0 31.76S 72.15W 2 4.0L,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.2km az=178.4.
GUC Error ellipse: s-maj=2.0km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=43.0km s-min=37.1km az=98.0.
NEIC Event type se. After GUC.
ISC VII 16 07 26 03.8–1.2 32.17S–.03 72.14W–.07 14–6 62 1-156
IDC VII 16 07 26 01.8–2.0 32.11S 72.22W 0 3.8b,3.6L ¶11811723
ISCJB VII 16 07 26 03.8–1.0 32.14S–.03 72.16W–.07 23–7 3.8b,3.6L
GUC VII 16 07 26 04.8–.75 32.16S 72.07W 30–2 4.0,3.8L
NEIC VII 16 07 26 04.8 32.16S 72.07W 30 3.8L,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=61.6km s-min=21.8km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.9km az=174.6.
GUC Error ellipse: s-maj=1.9km s-min=4.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 16 07 51 04.5–.60 32.11S 72.09W 41–2 3.6,2.7L
NEIC VII 16 07 51 04.5 32.11S 72.09W 41 3.6,2.7L ¶12951373
GUC Error ellipse: s-maj=1.8km s-min=4.4km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 16 12 22 50.2–.60 32.13S 72.12W 33–2 3.7,3.2L
NEIC VII 16 12 22 50.2 32.13S 72.12W 33 3.2L,3.2L ¶12951366
GUC Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0.
NEIC Event type se. After GUC.
ISC VII 16 16 08 30.6–1.0 32.08S–.02 72.26W–.06 6–5 3.8b 74 1-153
IDC VII 16 16 08 29.4–1.1 31.91S 72.49W 0 3.8L,3.8b ¶11811756
ISCJB VII 16 16 08 30.3–1.1 32.07S–.02 72.34W–.06 15–7 3.8b,3.8b
GUC VII 16 16 08 32.7–.67 32.09S 72.16W 29–2 4.2,4.0L
NEIC VII 16 16 08 32.7 32.09S 72.16W 29 4.0L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=17.8km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.1km az=174.5.
GUC Error ellipse: s-maj=1.2km s-min=3.3km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 16 16 43 52.1–.66 32.07S 72.26W 25–3 3.9,3.5L
NEIC VII 16 16 43 52.1 32.07S 72.26W 25 3.5L,3.5L ¶12951354
GUC Error ellipse: s-maj=2.3km s-min=4.2km az=-1.0.
NEIC Event type se. After GUC.
ISC VII 16 17 03 25.2–1.5 32.08S–.05 72.17W–.09 15–7 34 1-2
ISCJB VII 16 17 03 24.8–1.6 32.09S–.05 72.21W–.09 17–12 ¶12951353
GUC VII 16 17 03 25.2–.76 32.11S 72.17W 27–3 3.8,3.4L
NEIC VII 16 17 03 25.2 32.11S 72.17W 27 3.4L,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=8.0km az=173.5.
GUC Error ellipse: s-maj=2.1km s-min=4.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 16 23 59 25.9–.64 32.24S 72.14W 22–4 3.8,3.3L
NEIC VII 16 23 59 25.9 32.24S 72.14W 22 3.3L,3.3L ¶12951342
GUC Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 17 05 03 51.9–.36 32.05S 72.16W 20–1 3.5,3.1L
NEIC VII 17 05 03 51.9 32.05S 72.16W 20 3.1L,3.1L ¶12951395
GUC Error ellipse: s-maj=0.7km s-min=2.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 17 12 56 53.0–.53 31.83S 72.02W 53–7 3.6,3.5L
NEIC VII 17 12 56 53.0 31.83S 72.02W 53 3.6,3.5L ¶12951387
GUC Error ellipse: s-maj=3.4km s-min=5.5km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 17 13 42 44.1–.38 32.15S 72.10W 9–3 4.0L,3.9
NEIC VII 17 13 42 44.1 32.15S 72.10W 9 4.0L,3.9 ¶12951386
GUC Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 17 18 26 06.6–.71 31.89S 72.15W 34–3 3.9,3.6L
NEIC VII 17 18 26 06.6 31.89S 72.15W 34 3.6L,3.6L ¶12951383
GUC Error ellipse: s-maj=2.3km s-min=4.2km az=-1.0.
NEIC Event type se. After GUC.
ISC VII 17 20 46 22.1–1.6 32.12S–.03 72.24W–.07 18–12 52 1-156
IDC VII 17 20 46 20.3–1.3 32.03S 72.28W 0 3.6,3.6L ¶11811860
ISCJB VII 17 20 46 21.2–1.1 32.11S–.03 72.31W–.07 25–8 3.6,3.6L
GUC VII 17 20 46 22.6–.78 32.13S 72.17W 36–3 4.1L,4.0
NEIC VII 17 20 46 22.6 32.13S 72.17W 36 4.1L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=19.0km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.2km az=171.4.
GUC Error ellipse: s-maj=2.0km s-min=4.5km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 18 04 14 22.3–.63 31.81S 72.04W 7–2 3.7,3.2L
NEIC VII 18 04 14 22.3 31.81S 72.04W 7 3.2L,3.2L ¶12951420
GUC Error ellipse: s-maj=1.9km s-min=3.5km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 18 04 59 59.4–.57 33.44S 72.35W 37–2 3.5,2.8L
¶13596871
GUC Error ellipse: s-maj=3.7km s-min=4.5km az=-1.0.
GUC VII 18 06 44 27.7–.57 32.04S 72.05W 29–2 3.8,3.5L
NEIC VII 18 06 44 27.7 32.04S 72.05W 29 3.5L,3.5L ¶12951438
GUC Error ellipse: s-maj=1.2km s-min=3.3km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 19 02 40 42.2–.90 31.80S 72.10W 6–2 4.1,3.9L
NEIC VII 19 02 40 42.2 31.80S 72.10W 6 3.9L,3.9L ¶12951484
GUC Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 19 11 21 17.5–1.3 31.87S 72.03W 4–5 3.5,3.0L
¶13596916
GUC Error ellipse: s-maj=4.1km s-min=7.2km az=-1.0.
GUC VII 19 12 59 10.4–.62 31.78S 72.07W 5–2 3.8,3.5L
NEIC VII 19 12 59 10.4 31.78S 72.07W 5 3.5L,3.5L ¶12951466
GUC Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 21 11 39 06.4–.51 32.10S 72.25W 29–1 3.8,3.3L
NEIC VII 21 11 39 06.4 32.10S 72.25W 29 3.3L,3.3L ¶12951547
GUC Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 26 07 21 52.3–.71 32.25S 72.41W 21–3 4.0,3.8L
NEIC VII 26 07 21 52.3 32.25S 72.41W 21 3.8L,3.8L ¶12951668
GUC Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 09 18 00 06.3–.59 33.99S 72.37W 37–2 3.7,3.1L
NEIC VIII 09 18 00 06.3 33.99S 72.37W 37 3.1L,3.1L ¶12099820
GUC Error ellipse: s-maj=2.8km s-min=3.8km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 09 18 04 44.1–.54 34.00S 72.40W 25–30 3.9,3.2L
NEIC VIII 09 18 04 44.1 34.00S 72.40W 25 3.2L,3.2L ¶12099821
GUC Error ellipse: s-maj=2.8km s-min=3.9km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 20 17 03 13.7–.76 32.31S 72.24W 25–8 3.9,3.4L
NEIC VIII 20 17 03 13.7 32.31S 72.24W 25 3.4L,3.4L ¶12100098
GUC Error ellipse: s-maj=6.9km s-min=6.1km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 22 16 25 26.5–.73 32.85S 73.00W 16–5 3.7,3.2L
NEIC VIII 22 16 25 26.5 32.85S 73.00W 16 3.2L,3.2L ¶12100163
GUC Error ellipse: s-maj=6.5km s-min=6.1km az=-1.0.
NEIC Event type se. After GUC.
ISC IX 11 07 40 35.9–1.3 33.11S–.05 72.11W–.08 15–6 50 1-2
NEIC IX 11 07 40 37.8 33.20S 72.06W 15 2.5L ¶12951997
GUC IX 11 07 40 37.8–.47 33.20S 72.06W 15–348 3.6,2.5L
ISC Event type se.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.7km s-min=2.3km az=-1.0.
GUC X 03 14 35 26.7–.69 33.05S 72.19W 30–4 3.8L
¶13932248
GUC Error ellipse: s-maj=3.2km s-min=3.7km az=-1.0.
ISC X 04 00 01 37.9–1.0 33.13S–.04 72.09W–.04 14–6 3.8b 52 0-84
ISCJB X 04 00 01 36.0–1.7 33.12S–.04 72.19W–.04 13–12 3.8b ¶12065849
IDC X 04 00 01 36.6–1.0 33.15S 71.80W 0 4.1L,3.9b
GUC X 04 00 01 36.0–.61 33.07S 72.22W 37–2 4.1L,3.9b
NEIC X 04 00 01 39.8–3.1 33.10S 72.03W 25–22 3.6b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.9km az=10.6.
IDC Error ellipse: s-maj=34.0km s-min=19.2km az=92.0.
GUC Error ellipse: s-maj=4.2km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=8.6km az=95.0.
GUC X 06 17 44 07.7–.67 32.98S 72.17W 35–3 3.8,3.1L
¶13932295
GUC Error ellipse: s-maj=2.3km s-min=4.0km az=-1.0.
GUC X 14 21 19 33.2–.73 32.97S 72.07W 12–2 3.8,3.1L
NEIC X 14 21 19 33.2 32.97S 72.07W 12 3.1L,3.1L ¶13397090
GUC Error ellipse: s-maj=2.7km s-min=3.1km az=-1.0.
NEIC Event type se. After GUC.
GUC X 18 16 30 39.8–.50 33.31S 72.01W 15–6 3.7,3.0L
¶13932520
GUC Error ellipse: s-maj=1.5km s-min=6.1km az=-1.0.
ISC XII 13 10 41 41.2–.69 30.69S–.03 72.03W–.06 10 3.9b 44 1-151
IDC XII 13 10 41 38.7–1.3 30.62S 72.16W 0 3.9b,3.9 ¶12077289
ISCJB XII 13 10 41 39.7–.74 30.71S–.03 72.14W–.06 10 3.9b,3.9
GUC XII 13 10 41 40.8–.82 30.77S 71.97W 2–3 4.2L,3.9
NEIC XII 13 10 41 43.5–4.8 30.60S 72.18W 32–31 4.2L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=30.6km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.3km az=9.9.
GUC Error ellipse: s-maj=1.9km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=12.9km az=101.0.
ISC XII 18 21 46 43.5–.97 32.56S–.03 72.01W–.06 12–4 4.0b 59 1-156
IDC XII 18 21 46 41.4–1.8 32.57S 71.87W 0 4.1b,4.0 ¶12078104
ISCJB XII 18 21 46 42.5–1.0 32.56S–.03 72.12W–.07 20–6 4.0b,4.0
GUC XII 18 21 46 44.4–.68 32.56S 71.89W 4–3 3.8L,4.0
NEIC XII 18 21 46 44.4 32.56S 71.89W 4 3.8L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=78.6km s-min=26.7km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=4.8km az=166.0.
GUC Error ellipse: s-maj=1.5km s-min=5.0km az=-1.0.
NEIC Event type se. After GUC.
ISC XII 18 22 01 18.2–1.1 32.59S–.03 72.01W–.07 18–6 4.2b 51 1-156
IDC XII 18 22 01 16.1–1.8 32.57S 71.61W 0 4.3b,4.3 ¶12078109
ISCJB XII 18 22 01 17.7–.97 32.58S–.03 72.10W–.08 30–5 4.2b,4.3
GUC XII 18 22 01 19.7–.55 32.62S 71.87W 8–2 4.0,3.7L
NEIC XII 18 22 01 19.7 32.62S 71.87W 8 3.7L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=80.9km s-min=41.4km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.8km az=172.9.
GUC Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0.
NEIC Event type se. After GUC.
ISC XII 19 03 04 14.8–.87 32.48S–.02 72.02W–.05 10–4 4.2b,3.8s 65 1-171
IDC XII 19 03 04 13.5–1.5 32.56S 71.60W 0 4.4b,4.3 ¶11513602
ISCJB XII 19 03 04 14.7–.87 32.47S–.02 72.07W–.06 22–5 4.2b,3.8s
GUC XII 19 03 04 16.9–.78 32.49S 71.91W 27–4 4.5L,3.8s
NEIC XII 19 03 04 16.9 32.49S 71.91W 27 4.5L,4.1b
BJI XII 19 03 04 17.4 32.50S 71.90W 40 4.9s,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=65.6km s-min=23.9km az=101.0.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=3.9km az=169.7.
GUC Error ellipse: s-maj=2.0km s-min=4.0km az=-1.0.
NEIC Event type fe. Felt [II] at La Ligua, Papudo, Puchuncavi and Zapallar. After GUC.

ISC XII 19 08 06 37.6–1.0 32.46S–.03 72.04W–.07 15–5 38 1-156
NEIC XII 19 08 06 35.6–1.4 32.31S 72.54W 10 3.5b ¶12078167
IDC XII 19 08 06 36.6–4.8 32.35S 71.58W 0 3.9b,3.6L
ISCJB XII 19 08 06 37.2–1.0 32.47S–.03 72.10W–.07 20–6 3.9b,3.6L
GUC XII 19 08 06 38.8–.71 32.50S 71.97W 26–4 3.9L,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=14.2km az=97.0.
IDC Error ellipse: s-maj=180.6km s-min=33.0km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.6km az=176.4.
GUC Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0.
ISC XII 19 09 02 43.4–1.9 32.41S–.09 72.4W–.20 38–21 3.8b 14 4-156
IDC XII 19 09 02 38.6–2.6 32.39S 72.17W 0 3.8b,3.6 ¶12078174
ISCJB XII 19 09 02 40.9–1.5 32.46S–.09 72.4W–.20 33 3.8b,3.6
NEIC XII 19 09 02 43.0–1.8 32.40S 72.41W 36–15 3.5b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=114.1km s-min=33.1km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=26.5km s-min=12.6km az=6.0.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=12.4km az=98.0.
ISC XII 19 10 30 09.7–1.1 32.57S–.03 72.02W–.07 15–6 3.8b 36 1-156
IDC XII 19 10 30 07.6–2.1 32.59S 71.83W 0 3.8b,3.7 ¶12078194
ISCJB XII 19 10 30 08.6–1.1 32.59S–.03 72.13W–.07 23–6 3.8b,3.7
GUC XII 19 10 30 09.7–.88 32.60S 72.06W 24–10 3.8L,3.7
NEIC XII 19 10 30 09.7–3.5 32.57S 72.33W 21–23 3.4b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=97.5km s-min=26.8km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.8km az=169.1.
GUC Error ellipse: s-maj=2.1km s-min=5.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=9.4km az=91.0.
ISC XII 19 13 21 19.4–1.4 32.49S–.07 72.0W–.10 38–15 4.0b 21 3-156
IDC XII 19 13 21 13.8–1.2 32.53S 71.93W 0 3.9L,3.9 ¶12078214
ISCJB XII 19 13 21 17.0–1.6 32.55S–.07 72.0W–.10 35–17 3.9b,3.9
NEIC XII 19 13 21 18.7–.65 32.50S 72.14W 35 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=31.1km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=11.3km az=15.3.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.7km az=92.0.
ISC XII 19 17 44 53.7–2.3 32.5S–.10 72.4W–.30 40–20 4.2b 13 4-156
ISCJB XII 19 17 44 50.0–4.9 32.58S–.10 72.6W–.30 27–36 4.2b ¶12078232
IDC XII 19 17 44 50.3–2.6 32.59S 71.90W 0 4.2b,4.0
NEIC XII 19 17 44 52.5–4.0 32.55S 72.44W 26–28 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.3km s-min=15.8km az=6.5.
IDC Error ellipse: s-maj=94.3km s-min=29.5km az=93.0.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=12.0km az=97.0.
ISC XII 19 19 38 23.6–2.3 32.6S–.10 72.1W–.30 47–19 4.1b 11 8-156
IDC XII 19 19 38 18.6–2.1 32.60S 71.60W 0 4.2b,4.0 ¶12078241
ISCJB XII 19 19 38 21.2–2.6 32.7S–.10 72.0W–.30 38–24 4.1b,4.0
NEIC XII 19 19 38 23.3–1.8 32.58S 71.95W 38–14 3.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=75.5km s-min=33.4km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=48.3km s-min=18.9km az=174.8.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=13.7km az=86.0.
GUC XII 19 22 10 10.5–.72 32.48S 72.15W 6–9 4.0,3.6L
¶14239064
GUC Error ellipse: s-maj=1.9km s-min=9.3km az=-1.0.
GUC XII 19 22 57 14.4–.63 32.65S 72.01W 15–6 3.8,3.2L
¶14239065
GUC Error ellipse: s-maj=1.5km s-min=6.4km az=-1.0.
GUC XII 19 23 13 47.4–.58 32.46S 72.15W 32–2 4.0,3.5L
¶14239067
GUC Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0.
GUC XII 20 06 44 50.9–.67 32.48S 72.08W 5–9 3.8,2.9L
¶14239073
GUC Error ellipse: s-maj=1.8km s-min=8.8km az=-1.0.
ISC XII 20 11 29 33.4–.89 32.50S–.03 72.13W–.04 11–5 4.9b 143 1-176
IDC XII 20 11 29 30.4–.49 32.52S 72.17W 0 4.6,4.6 ¶11514968
ISCJB XII 20 11 29 33.0–.99 32.50S–.03 72.21W–.05 18–7 4.9b,4.6
GUC XII 20 11 29 32.6–.57 32.51S 72.28W 28–4 5.1L,4.6
BJI XII 20 11 29 36.7 32.50S 71.90W 35 5.5s,5.2
NEIC XII 20 11 29 37.0–1.1 32.50S 71.92W 39–9 5.0b,5.2
ISC Event type fe.
IDC Error ellipse: s-maj=24.2km s-min=12.9km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.0km az=159.7.
GUC Error ellipse: s-maj=1.8km s-min=3.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=6.6km az=69.0. Felt at Santiago.
ISC XII 20 14 18 47.3–1.2 32.43S–.04 72.33W–.07 14–7 3.5b 53 1-153
IDC XII 20 14 18 45.0–.81 32.38S 72.48W 0 3.9L,3.9 ¶12078336
ISCJB XII 20 14 18 46.6–1.4 32.42S–.04 72.41W–.08 21–9 3.5b,3.9
NEIC XII 20 14 18 47.8 32.48S 72.34W 30 4.1L,3.9
GUC XII 20 14 18 47.8–.90 32.48S 72.34W 30–6 4.1L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=21.7km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.2km az=157.6.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=3.2km s-min=5.8km az=-1.0.
GUC XII 20 15 54 35.0–.71 32.49S 72.30W 23–4 3.6L
¶14239078
GUC Error ellipse: s-maj=2.2km s-min=4.2km az=-1.0.
GUC XII 20 16 14 38.6–.73 32.47S 72.19W 26–4 4.2,3.6L
¶14239079
GUC Error ellipse: s-maj=2.0km s-min=4.3km az=-1.0.
ISC XII 20 16 43 09.1–.74 32.44S–.03 72.11W–.04 12–4 4.8b,4.4s 128 1-175
IDC XII 20 16 43 06.6–.50 32.46S 71.97W 0 4.7,4.7 ¶11514975
ISCJB XII 20 16 43 08.8–.74 32.44S–.03 72.17W–.04 21–5 4.8b,4.4s
BJI XII 20 16 43 08.7 32.40S 71.90W 12 5.2s,5.0
GUC XII 20 16 43 09.4–.79 32.45S 72.13W 30–3 4.8L,5.0
NEIC XII 20 16 43 10.4–.98 32.40S 71.98W 23–6 4.9b,4.8L
ISC Event type fe.
IDC Error ellipse: s-maj=20.1km s-min=14.4km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.6km az=150.3.
GUC Error ellipse: s-maj=1.8km s-min=3.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=3.9km az=79.0. Felt [III] at Puchuncavi and [II] at Quilpue, Santiago and Villa Alemana.
GUC XII 20 20 40 41.5–.82 32.47S 72.10W 5–4 3.6L
¶14239080
GUC Error ellipse: s-maj=2.1km s-min=5.7km az=-1.0.
ISC XII 20 22 56 49.6–.86 32.42S–.03 72.21W–.05 12–4 3.9b 59 1-156
ISCJB XII 20 22 56 48.3–.98 32.43S–.03 72.32W–.05 15–6 3.9b ¶12078393
NEIC XII 20 22 56 49.2–4.3 32.32S 72.53W 16–26 4.0b
GUC XII 20 22 56 50.6–.69 32.45S 72.18W 25–3 4.1L
IDC XII 20 22 56 52.1–8.7 32.41S 72.31W 30–55 3.8,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=168.6.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=8.5km az=94.0.
GUC Error ellipse: s-maj=1.8km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=63.5km s-min=25.2km az=101.0.
GUC XII 20 23 58 04.1–.70 32.36S 72.24W 26–4 3.9,3.8L
¶14239081
GUC Error ellipse: s-maj=1.9km s-min=3.8km az=-1.0.
GUC XII 21 02 00 14.7–.89 32.55S 72.34W 19–7 3.7L
¶14239084
GUC Error ellipse: s-maj=3.0km s-min=5.3km az=-1.0.
GUC XII 21 02 24 06.0–.82 32.46S 72.24W 23–6 3.7,3.1L
¶14239085
GUC Error ellipse: s-maj=2.7km s-min=5.4km az=-1.0.
GUC XII 21 03 27 27.1–.66 32.47S 72.18W 23–5 4.0,3.9L
¶14239086
GUC Error ellipse: s-maj=1.8km s-min=3.7km az=-1.0.
ISC XII 21 04 13 46.1–.94 32.42S–.03 72.19W–.05 12–5 3.9b 72 1-153
IDC XII 21 04 13 43.8–1.9 32.42S 72.10W 0 3.8,3.7 ¶12078413
ISCJB XII 21 04 13 45.6–1.0 32.39S–.03 72.26W–.06 20–6 3.9b,3.7
NEIC XII 21 04 13 45.9–1.8 32.43S 72.18W 11–10 4.1b,3.9L
GUC XII 21 04 13 46.5–.83 32.46S 72.21W 31–4 4.0,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=54.9km s-min=36.3km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.3km az=156.9.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=6.3km az=77.0.
GUC Error ellipse: s-maj=2.3km s-min=4.5km az=-1.0.
GUC XII 21 05 41 57.8–.81 32.47S 72.09W 3–5 3.9,3.4L
¶14239087
GUC Error ellipse: s-maj=2.4km s-min=7.4km az=-1.0.
GUC XII 21 07 22 20.9–.93 32.47S 72.13W 5–27 3.5L
¶14239088
GUC Error ellipse: s-maj=8.3km s-min=25.5km az=-1.0.
GUC XII 21 18 12 29.7–.78 32.56S 72.01W 32–6 3.6,2.9L
¶14239092
GUC Error ellipse: s-maj=2.7km s-min=5.7km az=-1.0.
ISC XII 22 10 25 49.6–.94 32.54S–.03 72.01W–.05 11–5 4.3b,3.7s 81 1-165
IDC XII 22 10 25 47.5–.57 32.53S 71.97W 0 4.4b,4.4 ¶12078542
ISCJB XII 22 10 25 48.8–1.1 32.55S–.03 72.10W–.06 18–7 4.3b,3.7s
GUC XII 22 10 25 50.5–1.1 32.54S 71.98W 12–11 4.4,4.3L
NEIC XII 22 10 25 50.5 32.54S 71.98W 12 4.3b,4.3L
ISC Event type fe.
IDC Error ellipse: s-maj=24.5km s-min=16.0km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.4km az=159.6.
GUC Error ellipse: s-maj=2.5km s-min=11.3km az=-1.0.
NEIC Event type fe. Felt [II] at Santiago and Valparaiso. After GUC.
GUC XII 23 04 18 26.4–.74 32.52S 72.00W 27–4 3.5,2.8L
¶14239104
GUC Error ellipse: s-maj=2.0km s-min=4.1km az=-1.0.
ISC XII 23 20 56 47.1–.93 32.35S–.03 72.14W–.05 12–4 3.7b 76 1-156
IDC XII 23 20 56 44.8–1.6 32.34S 72.43W 0 3.8L,3.7 ¶12078721
ISCJB XII 23 20 56 46.4–.93 32.35S–.03 72.22W–.06 19–6 3.7b,3.7
GUC XII 23 20 56 47.9–.68 32.39S 72.06W 5–2 4.2,4.0L
NEIC XII 23 20 56 47.9 32.39S 72.06W 5 4.1b,4.0L
ISC Event type fe.
IDC Error ellipse: s-maj=42.4km s-min=24.6km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=4.9km az=161.1.
GUC Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
NEIC Event type fe. Felt [II] at La Ligua, Papudo and Puchuncavi. After GUC.
GUC XII 25 08 33 22.4–.49 32.61S 72.13W 9–6 3.7,2.9L
¶14239120
GUC Error ellipse: s-maj=1.4km s-min=6.4km az=-1.0.
GUC XII 25 13 21 57.0–.50 32.61S 72.15W 16–421 3.7,3.1L
¶14239124
GUC Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0.

(135) Near coast of central Chile.

GUC VII 02 10 59 47.5–.87 32.02S 71.47W 37–2 3.7,3.0L
NEIC VII 02 10 59 47.5 32.02S 71.47W 37 3.7,3.0L ¶12950846
GUC Error ellipse: s-maj=1.5km s-min=5.6km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 03 15 19 39.2–.55 32.56S 71.48W 30–2 4.0,3.6L
NEIC VII 03 15 19 39.2 32.56S 71.48W 30 3.6L,3.6L ¶12950977
GUC Error ellipse: s-maj=1.7km s-min=2.4km az=-1.0.
NEIC Event type fe. Felt [II] at La Ligua, Llaillay, Papudo, Puchuncavi, Quintero and Zapallar. After GUC.
GUC VII 03 21 57 01.0–.69 38.77S 73.56W 50–0 3.5L
¶13596360
GUC Error ellipse: s-maj=6.7km s-min=8.0km az=-1.0.
GUC VII 03 22 38 42.9–.78 34.17S 71.98W 38–3 3.6,2.8L
NEIC VII 03 22 38 42.9 34.17S 71.98W 38 3.6,2.8L ¶12950966
GUC Error ellipse: s-maj=5.6km s-min=5.3km az=-1.0.
NEIC Event type se. After GUC.
ISC VII 03 23 04 50.5–.47 32.41S–.03 71.41W–.06 51–5 4.1b 61 1-155
ISCJB VII 03 23 04 49.5–.44 32.40S–.03 71.41W–.06 59–5 4.1b ¶11810563
IDC VII 03 23 04 49.4–.85 32.37S 71.37W 47–6 3.8b,3.8
GUC VII 03 23 04 50.8–.62 32.48S 71.39W 42–1 4.0L,4.0
NEIC VII 03 23 04 50.8 32.48S 71.39W 42 4.3b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.9km az=177.5.
IDC Error ellipse: s-maj=37.7km s-min=21.3km az=70.0.
GUC Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0.
NEIC Event type fe. Felt [III] at La Ligua and Papudo; [II] at La Calera and Puchuncavi. After GUC.
GUC VII 07 03 41 40.6–.45 31.96S 71.67W 30–2 3.5,2.9L
NEIC VII 07 03 41 40.6 31.96S 71.67W 30 2.9L,2.9L ¶12951098
GUC Error ellipse: s-maj=1.7km s-min=4.7km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 08 00 54 08.9–.64 33.77S 71.86W 38–2 3.6,2.8L
NEIC VII 08 00 54 08.9 33.77S 71.86W 38 3.6,2.8L ¶12951140
GUC Error ellipse: s-maj=2.7km s-min=3.3km az=-1.0.
NEIC Event type se. After GUC.
ISC VII 08 12 08 41.2–.75 30.82S–.03 71.59W–.09 38–8 3.9b 58 0-151
GUC VII 08 12 08 39.7–.63 30.88S 71.64W 27–3 4.8L ¶11810984
NEIC VII 08 12 08 39.7 30.88S 71.64W 27 4.8L
ISCJB VII 08 12 08 40.4–.66 30.82S–.03 71.53W–.09 47–6 3.9b
IDC VII 08 12 08 44.5–2.8 30.81S 71.46W 72–23 3.9,3.8
ISC Event type se.
GUC Error ellipse: s-maj=2.1km s-min=4.1km az=-1.0.
NEIC Event type se. After GUC.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=4.7km az=1.8.
IDC Error ellipse: s-maj=28.8km s-min=20.7km az=82.0.
GUC VII 09 15 51 00.7–.59 32.02S 71.49W 37–1 3.9,3.4L
¶13596556
GUC Error ellipse: s-maj=1.1km s-min=3.6km az=-1.0.
GUC VII 12 02 33 45.8–.98 32.68S 71.66W 15–19 3.7,3.4L
NEIC VII 12 02 33 45.8 32.68S 71.66W 15 3.4L,3.4L ¶12951249
GUC Error ellipse: s-maj=2.1km s-min=4.9km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 12 13 51 22.1–.72 32.65S 71.67W 15–4 3.6,3.4L
NEIC VII 12 13 51 22.1 32.65S 71.67W 15 3.4L,3.4L ¶12951234
GUC Error ellipse: s-maj=1.5km s-min=4.3km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 15 21 35 15.7–.65 32.58S 71.99W 27–4 3.6,2.6L
NEIC VII 15 21 35 15.7 32.58S 71.99W 27 2.6L,2.6L ¶12951313
GUC Error ellipse: s-maj=1.6km s-min=3.6km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 16 19 04 50.5–.61 32.12S 71.12W 79–3 3.7,3.1L
NEIC VII 16 19 04 50.5 32.12S 71.12W 79 3.1,3.1L ¶12951349
GUC Error ellipse: s-maj=1.3km s-min=4.8km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 18 00 42 59.2–.71 31.86S 71.31W 37–2 3.5,2.7L
NEIC VII 18 00 42 59.2 31.86S 71.31W 37 3.5,2.7L ¶12951428
GUC Error ellipse: s-maj=1.2km s-min=4.3km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 18 12 12 44.7–.75 32.21S 71.87W 28–5 3.6,2.9L
¶13596873
GUC Error ellipse: s-maj=2.0km s-min=7.7km az=-1.0.
GUC VII 18 12 32 39.5–.61 32.21S 71.84W 26–3 3.7,3.4L
NEIC VII 18 12 32 39.5 32.21S 71.84W 26 3.4L,3.4L ¶12951431
GUC Error ellipse: s-maj=1.3km s-min=4.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 18 12 57 11.5–.68 32.21S 71.86W 23–4 3.8,3.3L
NEIC VII 18 12 57 11.5 32.21S 71.86W 23 3.3L,3.3L ¶12951430
GUC Error ellipse: s-maj=1.7km s-min=5.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 18 13 59 04.1–.46 32.22S 71.89W 28–2 3.6,3.2L
NEIC VII 18 13 59 04.1 32.22S 71.89W 28 3.2L,3.2L ¶12951415
GUC Error ellipse: s-maj=1.2km s-min=3.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 19 00 26 21.4–.53 32.20S 71.88W 22–5 3.5,2.8L
NEIC VII 19 00 26 21.4 32.20S 71.88W 22 2.8L,2.8L ¶12951489

GUC Error ellipse: s-maj=1.2km s-min=4.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 19 17 01 13.7–.73 31.56S 71.53W 37–2 3.6,2.8L ¶13596920
GUC Error ellipse: s-maj=1.7km s-min=6.4km az=-1.0.
GUC VII 19 19 57 54.2–.51 29.49S 71.90W 45–12 3.9,3.5L
NEIC VII 19 19 57 54.2 29.49S 71.90W 45 3.9,3.5L **¶12951448**
GUC Error ellipse: s-maj=3.4km s-min=8.8km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 20 05 19 57.1–.78 32.22S 71.86W 9–3 3.5,2.8L
NEIC VII 20 05 19 57.1 32.22S 71.86W 9 2.8L,2.8L **¶12951522**
GUC Error ellipse: s-maj=2.1km s-min=6.1km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 22 20 49 40.8–.89 32.08S 71.73W 24–5 3.8,2.7L
NEIC VII 22 20 49 40.8 32.08S 71.73W 24 2.7L,2.7L **¶12951569**
GUC Error ellipse: s-maj=2.5km s-min=8.9km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 25 15 10 28.6–.77 31.75S 71.87W 25–4 3.9,3.8L
NEIC VII 25 15 10 28.6 31.75S 71.87W 25 3.8L,3.8L **¶12951640**
GUC Error ellipse: s-maj=2.1km s-min=6.5km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 25 15 42 08.8–.82 31.74S 71.91W 23–5 3.7,3.5L
NEIC VII 25 15 42 08.8 31.74S 71.91W 23 3.5L,3.5L **¶12951639**
GUC Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 25 21 19 08.4–.80 31.76S 71.91W 20–6 3.9,3.6L
NEIC VII 25 21 19 08.4 31.76S 71.91W 20 3.6L,3.6L **¶12951635**
GUC Error ellipse: s-maj=1.9km s-min=5.9km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 27 12 04 38.1–.68 31.96S 71.15W 61–5 3.6L,3.6
NEIC VII 27 12 04 38.1 31.96S 71.15W 61 4.0,3.6 **¶12951690**
GUC Error ellipse: s-maj=1.1km s-min=5.5km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 29 13 44 25.6–.33 31.84S 71.45W 44–1 3.5,2.8L
NEIC VII 29 13 44 25.6 31.84S 71.45W 44 3.5,2.8L **¶12951741**
GUC Error ellipse: s-maj=2.6km s-min=3.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 29 15 12 53.4–.84 32.64S 71.69W 26–9 3.8,3.2L
NEIC VII 29 15 12 53.4 32.64S 71.69W 26 3.2L,3.2L **¶12951740**
GUC Error ellipse: s-maj=1.8km s-min=5.8km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 31 06 59 00.4–.66 32.68S 71.58W 40–3 3.7,2.8L
NEIC VII 31 06 59 00.4 32.68S 71.58W 40 3.7,2.8L **¶12951786**
GUC Error ellipse: s-maj=1.9km s-min=4.9km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 02 05 11 55.3–.83 32.07S 71.16W 78–5 3.7L,3.2
NEIC VIII 02 05 11 55.3 32.07S 71.16W 78 3.2,3.2 **¶12099588**
GUC Error ellipse: s-maj=1.8km s-min=5.7km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 02 15 43 09.9–.74 31.97S 71.24W 45–7 3.8,3.2L
NEIC VIII 02 15 43 09.9 31.97S 71.24W 45 3.8,3.2L **¶12099600**
GUC Error ellipse: s-maj=1.6km s-min=7.7km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 06 10 22 14.1–.63 32.31S 71.46W 3–13 3.5,2.4L
NEIC VIII 06 10 22 14.1 32.31S 71.46W 3 3.5,2.4L **¶12099716**
GUC Error ellipse: s-maj=4.8km s-min=8.4km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 07 23 05 24.9–.68 30.93S 71.66W 26–4 3.8,3.5L
NEIC VIII 07 23 05 24.9 30.93S 71.66W 26 3.5L,3.5L **¶12099770**
GUC Error ellipse: s-maj=2.5km s-min=6.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 09 00 08 37.3–.62 29.02S 71.23W 20–3 4.0,3.9L
NEIC VIII 09 00 08 37.3 29.02S 71.23W 20 3.9L,3.9L **¶12099805**
GUC Error ellipse: s-maj=3.2km s-min=10.4km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 10 08 52 11.6–.59 32.29S 71.60W 15–791 3.9,3.1L
NEIC VIII 10 08 52 11.6 32.29S 71.60W 15 3.1L,3.1L **¶12099838**
GUC Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 11 09 02 33.8–.52 32.14S 71.55W 25–5 4.6,3.4L
NEIC VIII 11 09 02 33.8 32.14S 71.55W 25 3.4L,3.4L **¶12099866**
GUC Error ellipse: s-maj=2.8km s-min=4.5km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 12 03 48 47.4–.96 32.55S 71.83W 14–11 3.6,2.9L
NEIC VIII 12 03 48 47.4 32.55S 71.83W 14 2.9L,2.9L **¶12099885**
GUC Error ellipse: s-maj=3.1km s-min=12.7km az=-1.0.
NEIC Event type se. After GUC.
ISC VIII 13 00 29 07.0–1.6 28.23S–.03 71.32W–.10 26–12 4.2b 44 1-152
ISCJB VIII 13 00 29 06.8–1.1 28.25S–.04 71.3W–.10 45–12 4.2b **¶11908129**
NEIC VIII 13 00 29 07.2 28.45S 71.40W 7 4.5L,4.4b
GUC VIII 13 00 29 07.2–.92 28.45S 71.40W 7–10 4.5L,4.5
IDC VIII 13 00 29 09.7–3.5 28.21S 71.21W 57–32 4.0L,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=15.0km s-min=7.1km az=7.7.
NEIC Event type fe. Felt at Copiapo. After GUC.
GUC Error ellipse: s-maj=10.0km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=44.4km s-min=15.6km az=76.0.
GUC VIII 14 05 41 25.7–.68 32.13S 71.73W 28–5 3.5,2.5L
NEIC VIII 14 05 41 25.7 32.13S 71.73W 28 2.5L,2.5L **¶12099928**
GUC Error ellipse: s-maj=3.0km s-min=6.8km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 16 17 41 51.4–.45 32.63S 71.95W 15–3 3.5,3.4L
NEIC VIII 16 17 41 51.4 32.63S 71.95W 15 3.4L,3.4L **¶12099989**
GUC Error ellipse: s-maj=0.9km s-min=2.9km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 16 20 17 05.3–.50 32.71S 71.72W 12–1 3.6,3.4L
NEIC VIII 16 20 17 05.3 32.71S 71.72W 12 3.4L,3.4L **¶12099992**
GUC Error ellipse: s-maj=1.0km s-min=2.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 17 06 49 59.8–.32 31.33S 71.67W 3–1 3.7,3.2L
NEIC VIII 17 06 49 59.8 31.33S 71.67W 3 3.2L,3.2L **¶12100000**
GUC Error ellipse: s-maj=0.7km s-min=4.1km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 18 00 24 53.8–.71 32.26S 71.55W 26–3 3.9,3.5L
NEIC VIII 18 00 24 53.8 32.26S 71.55W 26 3.5L,3.5L **¶12100026**
GUC Error ellipse: s-maj=1.4km s-min=4.5km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 18 20 53 43.4–.58 32.66S 71.61W 13–4 3.6,2.9L
NEIC VIII 18 20 53 43.4 32.66S 71.61W 13 2.9L,2.9L **¶12100041**
GUC Error ellipse: s-maj=2.6km s-min=3.9km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 19 11 31 51.0–.55 32.56S 71.63W 15–2 3.6,3.5L
NEIC VIII 19 11 31 51.0 32.56S 71.63W 15 3.5L,3.5L **¶12100062**
GUC Error ellipse: s-maj=1.0km s-min=2.4km az=-1.0.
NEIC Event type fe. Felt [III] at Puchuncavi and [II] at Papudo and Quintero. After GUC.
ISC VIII 22 03 32 19.1–1.3 30.82S–.03 71.90W–.06 15–7 3.6b 36 1-151
IDC VIII 22 03 32 15.8–1.5 30.83S 71.87W 0 3.8L,3.7 **¶11908572**
ISCJB VIII 22 03 32 18.7–1.3 30.82S–.03 71.93W–.08 27–7 3.6b,3.7
NEIC VIII 22 03 32 18.8 30.80S 71.91W 32 3.9L,3.7
GUC VIII 22 03 32 18.8–.77 30.80S 71.91W 32–4 4.2,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=35.8km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.2km az=8.7.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=6.0km az=-1.0.
GUC VIII 22 14 01 37.7–.78 32.31S 71.48W 34–3 3.6,2.9L
NEIC VIII 22 14 01 37.0 32.34S 71.52W 15 3.0L,2.9L **¶12100162**
GUC Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 24 02 27 53.6–.47 32.05S 71.77W 15–0 3.5,2.5L ¶13827850

GUC Error ellipse: s-maj=1.4km s-min=6.8km az=-1.0.
GUC VIII 24 11 00 56.0–.80 30.78S 71.70W 35–18 3.6,2.5L ¶13827855
GUC Error ellipse: s-maj=3.8km s-min=12.1km az=-1.0.
GUC VIII 25 22 43 56.7–.79 32.23S 71.85W 11–6 3.6,3.0L
NEIC VIII 25 22 43 56.7 32.23S 71.85W 11 3.0L,3.0L **¶12100239**
GUC Error ellipse: s-maj=2.2km s-min=7.5km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 28 07 44 36.0–.46 31.75S 71.88W 15–15 3.6,2.8L
NEIC VIII 28 07 44 35.5 31.76S 71.82W 7 2.8L,2.8L **¶12100312**
GUC Error ellipse: s-maj=3.1km s-min=16.3km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 28 08 48 52.9–.58 31.74S 71.88W 26–8 3.8,3.0L
NEIC VIII 28 08 48 51.9 31.76S 71.86W 7 2.9L,3.0L **¶12100314**
GUC Error ellipse: s-maj=2.0km s-min=7.7km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 29 14 02 25.8–.64 31.04S 71.57W 38–2 4.0,3.9L
NEIC VIII 29 14 02 25.8 31.04S 71.57W 38 4.0,3.9L **¶12100351**
GUC Error ellipse: s-maj=2.0km s-min=4.5km az=-1.0.
NEIC Event type se. After GUC.
ISC IX 02 19 02 38.9–1.8 36.06S–.05 72.7W–.20 44–14 24 0-3
NEIC IX 02 19 02 38.7 36.06S 72.64W 46 3.6 **¶12951832**
GUC IX 02 19 02 38.7–.51 36.06S 72.64W 46–2 3.6,3.0L
ISC Event type se.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.9km s-min=5.8km az=-1.0.
GUC IX 02 23 24 35.6–.48 31.08S 71.62W 35–3 3.7,3.4L
NEIC IX 02 23 24 35.6 31.08S 71.62W 35 3.4L,3.4L **¶12951826**
GUC Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 04 06 18 52.1–1.1 30.01S 71.92W 35–22 4.0L
NEIC IX 04 06 18 52.1 30.01S 71.92W 35 4.5b,4.0L **¶12951902**
GUC Error ellipse: s-maj=20.0km s-min=38.9km az=-1.0.
NEIC Event type se. After GUC.
ISC IX 05 01 11 21.6–1.5 32.54S–.05 71.6W–.10 21–9 31 1-4
ISCJB IX 05 01 11 20.3–1.8 32.51S–.04 71.7W–.10 17–11 **¶12951918**
NEIC IX 05 01 11 22.0 32.60S 71.61W 23 4.0L
GUC IX 05 01 11 22.0–.67 32.60S 71.61W 23–24 4.2,4.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=16.1km s-min=6.9km az=169.5.
NEIC Event type fe. Felt [II] at Papudo, Puchuncavi, Quilpue, Quintero and Vina del Mar. After GUC.
GUC Error ellipse: s-maj=3.5km s-min=5.3km az=-1.0.
GUC IX 05 22 27 39.1–.81 32.66S 71.09W 9–2 3.5,2.3L ¶13845011
GUC Error ellipse: s-maj=2.6km s-min=4.3km az=-1.0.
GUC IX 07 09 06 40.4–.73 32.67S 71.48W 15–4 3.7,2.9L
NEIC IX 07 09 06 40.4 32.67S 71.48W 15 2.9L,2.9L **¶12951934**
GUC Error ellipse: s-maj=3.0km s-min=4.0km az=-1.0.
NEIC Event type se. After GUC.
ISC IX 08 05 00 44.4–.93 28.88S–.08 71.64W–.08 10 3.5b 16 1-153
ISCJB IX 08 05 00 42.8–.94 28.83S–.07 71.72W–.08 10 3.5b **¶11909791**
IDC IX 08 05 00 46.9–.90 28.88S 71.48W 26–5 3.7L,3.7
NEIC IX 08 05 00 47.9–.54 28.90S 71.47W 35 3.7L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=8.1km az=40.2.
IDC Error ellipse: s-maj=29.7km s-min=19.2km az=56.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.4km az=106.0.
ISC IX 09 11 13 05.7–1.7 36.45S–.04 73.14W–.09 24–12 4.4b,4.0s 60 1-169
ISCJB IX 09 11 13 04.5–1.8 36.44S–.04 73.17W–.09 29–13 4.4b,4.0s **¶11909870**
IDC IX 09 11 13 06.3–.62 36.41S 73.07W 27–4 4.3L,4.2
NEIC IX 09 11 13 06.4 36.46S 73.06W 50 4.6b,4.2
GUC IX 09 11 13 06.4–.85 36.46S 73.06W 50–20 4.9L,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=6.8km az=12.2.
IDC Error ellipse: s-maj=22.1km s-min=14.2km az=91.0.
NEIC Event type fe. Felt [III] at Concepcion and Talcahuano; [II] at Cauquenes, Penco and Tome. After GUC.
GUC Error ellipse: s-maj=3.7km s-min=12.7km az=-1.0.
GUC IX 11 06 31 17.7–.60 32.47S 71.71W 27–3 4.0,3.4L
NEIC IX 11 06 31 17.7 32.47S 71.71W 27 3.4L,3.4L **¶12951998**
GUC Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 12 03 51 17.9–.81 32.54S 71.65W 4–2 3.6,3.0L
NEIC IX 12 03 51 17.9 32.54S 71.65W 4 3.0L,3.0L **¶12952018**
GUC Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 14 07 19 19.2–.72 31.61S 71.78W 22–3 3.8,2.9L
NEIC IX 14 07 19 19.2 31.61S 71.78W 22 2.9L,2.9L **¶12952040**
GUC Error ellipse: s-maj=1.2km s-min=5.4km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 14 07 28 44.2–.69 31.61S 71.75W 31–2 3.6,3.0L
NEIC IX 14 07 28 44.2 31.61S 71.75W 31 3.0L,3.0L **¶12952039**
GUC Error ellipse: s-maj=1.5km s-min=4.8km az=-1.0.
NEIC Event type se. After GUC.
ISC IX 17 22 53 11.9–1.2 30.67S–.02 71.66W–.07 22–8 4.6b,4.0s 85 0-154
IDC IX 17 22 53 07.6–.70 30.65S 71.58W 0 4.5,4.4b **¶11910522**
ISCJB IX 17 22 53 10.9–.99 30.67S–.02 71.69W–.07 29–6 4.6b,4.0s
NEIC IX 17 22 53 12.5 30.73S 71.54W 30 4.8b,4.7L
GUC IX 17 22 53 12.5–.47 30.73S 71.54W 30–2 4.7L,4.7L
ISC Event type fe.
IDC Error ellipse: s-maj=27.0km s-min=18.9km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=9.9km s-min=3.5km az=173.2.
NEIC Event type fe. Felt [III] at Ovalle and [II] at Combarbala. After GUC.
GUC Error ellipse: s-maj=1.6km s-min=3.5km az=-1.0.
ISC IX 22 04 51 41.8–.80 30.12S–.04 71.48W–.09 48–7 3.8b 55 1-151
IDC IX 22 04 51 40.0–1.0 30.02S 71.64W 40–7 4.0L,3.9b **¶11910810**
NEIC IX 22 04 51 39.9 30.17S 71.59W 22 4.5L,3.9b
GUC IX 22 04 51 39.9–.96 30.17S 71.59W 22–8 4.5L,3.9b
ISCJB IX 22 04 51 40.6–.79 30.13S–.04 71.50W–.09 56–6 3.8b,3.9b
ISC Event type fe.
NEIC Event type fe. Felt [II] at Coquimbo, Illapel, La Serena and Ovalle. After GUC.
ISCJB Event type fe.
GUC IX 22 04 56 51.3–.96 31.33S 71.91W 30–17 3.8,3.0L
NEIC IX 22 04 56 51.3 31.33S 71.91W 30 3.0L,3.0L **¶12952142**
GUC Error ellipse: s-maj=7.3km s-min=11.7km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 23 22 43 13.1–.69 32.35S 71.83W 23–6 3.6,2.6L
NEIC IX 23 22 43 13.1 32.35S 71.83W 23 2.6L,2.6L **¶12952148**
GUC Error ellipse: s-maj=3.5km s-min=4.9km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 25 08 20 23.1–.89 31.67S 71.24W 13–6 3.7,3.0L
NEIC IX 25 08 20 23.1 31.67S 71.24W 13 3.0L,3.0L **¶12952195**
GUC Error ellipse: s-maj=1.8km s-min=11.2km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 27 09 31 45.1–.67 32.64S 71.63W 11–4 3.6,2.7L
NEIC IX 27 09 31 45.1 32.64S 71.63W 11 2.7L,2.7L **¶12952225**
GUC Error ellipse: s-maj=2.4km s-min=6.5km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 27 23 07 26.7–.68 34.71S 72.34W 7–9 3.5,3.0L
NEIC IX 27 23 07 26.7 34.71S 72.34W 7 3.0L,3.0L **¶12952217**
GUC Error ellipse: s-maj=1.9km s-min=11.5km az=-1.0.
NEIC Event type se. After GUC.
GUC IX 28 22 19 37.1–.57 34.01S 71.52W 40–2 3.5,2.6L
NEIC IX 28 22 19 37.1 34.01S 71.52W 40 3.5,2.6L **¶12952233**
GUC Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0.
NEIC Event type se. After GUC.
GUC X 04 06 44 25.0–.67 35.25S 72.06W 43–3 4.1L,4.1 ¶13932262
GUC Error ellipse: s-maj=2.2km s-min=6.2km az=-1.0.
GUC X 05 09 30 39.0–.80 28.29S 71.02W 45–3 3.8L

¶13932284
GUC Error ellipse: s-maj=3.3km s-min=11.4km az=-1.0.
GUC X 05 16 32 27.2–.45 28.01S 71.32W 38–3 3.8L
¶13932285
GUC Error ellipse: s-maj=1.0km s-min=4.6km az=-1.0.
GUC X 07 05 33 49.4–.72 30.21S 71.47W 40–2 3.8L
NEIC X 07 05 33 49.4 30.21S 71.47W 40 3.8 ¶13396291
GUC Error ellipse: s-maj=2.2km s-min=7.1km az=-1.0.
NEIC Event type se. After GUC.
GUC X 07 06 40 15.5–.48 31.93S 71.49W 38–1 3.4,2.9L
NEIC X 07 06 40 15.4 32.05S 71.65W 33 3.0L,2.9L ¶13932305
GUC Error ellipse: s-maj=2.7km s-min=3.6km az=-1.0.
NEIC Event type se. After GUC.
GUC X 08 17 46 59.6–1.1 36.96S 72.45W 88–7 3.9L
¶13932324
GUC Error ellipse: s-maj=10.1km s-min=33.3km az=-1.0.
ISC X 09 12 49 34.1–1.5 34.76S–.04 72.23W–.07 24–10 3.7b 48 1-84
IDC X 09 12 49 30.0–1.0 34.70S 72.31W 0 4.0,3.8 ¶12066424
GUC X 09 12 49 35.5–.56 34.80S 72.02W 43–2 4.2L,4.1
NEIC X 09 12 49 35.5 34.80S 72.02W 43 4.1,4.1
ISC Event type fe.
IDC Error ellipse: s-maj=27.8km s-min=17.3km az=105.0.
GUC Error ellipse: s-maj=1.5km s-min=4.1km az=-1.0.
NEIC Event type fe. Felt [II] at Constitucion, Curico and Iloca. After GUC.
ISC X 10 05 21 16.7–.77 39.93S–.03 73.3W–.10 53–6 4.4b,3.8s 59 1-88
IDC X 10 05 21 09.7–.78 39.80S 73.11W 0 4.5,4.4b ¶12066487
ISCJB X 10 05 21 15.8–.69 39.93S–.03 73.2W–.10 61–5 4.4b,4.4b
NEIC X 10 05 21 16.4 39.94S 73.14W 47 4.6b,4.4b
GUC X 10 05 21 16.4–.41 39.94S 73.14W 47–2 4.7L,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=30.0km s-min=14.6km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=16.8km s-min=5.4km az=2.3.
NEIC Event type fe. Felt [IV] at Corral and [III] at Panguipulli and Valdivia. After GUC.
GUC Error ellipse: s-maj=1.1km s-min=14.0km az=-1.0.
GUC X 12 19 05 12.4–.78 29.73S 71.23W 59–13 3.6L
NEIC X 12 19 05 12.4 29.73S 71.23W 59 3.6 ¶13396848
GUC Error ellipse: s-maj=2.3km s-min=19.8km az=-1.0.
NEIC Event type se. After GUC.
GUC X 13 02 18 49.0–.75 34.57S 72.17W 25–5 3.7,3.1L
NEIC X 13 02 18 49.0 34.57S 72.17W 25 3.1L,3.1L ¶13396883
GUC Error ellipse: s-maj=1.8km s-min=4.6km az=-1.0.
NEIC Event type se. After GUC.
GUC X 15 10 12 18.2–.59 30.68S 71.63W 36–2 3.9L,3.9
NEIC X 15 10 12 18.2 30.68S 71.63W 36 3.9,3.9 ¶13397143
GUC Error ellipse: s-maj=1.2km s-min=5.6km az=-1.0.
NEIC Event type se. After GUC.
GUC X 15 15 59 29.0–.71 32.65S 71.60W 24–9 3.7,3.3L
NEIC X 15 15 59 29.0 32.65S 71.60W 24 3.3L,3.3L ¶13397166
GUC Error ellipse: s-maj=3.0km s-min=2.9km az=-1.0.
NEIC Event type se. After GUC.
ISC X 16 04 36 06.7–.41 31.00S–.02 71.39W–.08 68–4 4.4b 100 0-155
ISCJB X 16 04 36 05.6–.41 31.00S–.02 71.41W–.08 74–4 4.4b ¶12068730
IDC X 16 04 36 06.2–.47 31.04S 71.36W 66–3 4.3,4.3b
NEIC X 16 04 36 06.1 31.01S 71.37W 66 4.8b,4.3b
GUC X 16 04 36 06.1–.80 31.01S 71.37W 66–5 4.7L,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=3.2km az=178.5.
IDC Error ellipse: s-maj=15.5km s-min=10.7km az=33.0.
NEIC Event type fe. Felt at Vicuna. After GUC.
GUC Error ellipse: s-maj=1.2km s-min=7.0km az=-1.0.
ISC X 16 13 46 42.2–.66 30.63S–.05 71.08W–.09 81–5 3.6b 34 0-154
ISCJB X 16 13 46 40.9–.69 30.66S–.05 71.11W–.09 87–4 3.6b ¶12068774
IDC X 16 13 46 41.6–.78 30.62S 71.11W 80–6 3.6,3.5b
GUC X 16 13 46 42.1–.46 30.62S 70.90W 76–3 4.1L,3.8
NEIC X 16 13 46 42.1 30.62S 70.90W 76 3.8,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=7.8km az=161.0.
IDC Error ellipse: s-maj=22.4km s-min=12.1km az=27.0.
GUC Error ellipse: s-maj=2.4km s-min=5.6km az=-1.0.
NEIC Event type se. After GUC.
GUC X 17 01 34 12.7–.94 32.25S 71.76W 11–6 4.0,3.5L
NEIC X 17 01 34 12.7 32.25S 71.76W 11 3.5L,3.5L ¶13397302
GUC Error ellipse: s-maj=1.9km s-min=6.5km az=-1.0.
NEIC Event type se. After GUC.
GUC X 17 02 02 27.6–.87 29.95S 71.14W 52–4 3.7L
NEIC X 17 02 02 27.6 29.95S 71.14W 52 3.7 ¶13397303
GUC Error ellipse: s-maj=2.2km s-min=6.6km az=-1.0.
NEIC Event type se. After GUC.
GUC X 17 15 29 34.6–.75 32.11S 71.86W 28–4 4.0,3.8L
¶13932507
GUC Error ellipse: s-maj=3.3km s-min=5.6km az=-1.0.
GUC X 18 04 02 14.8–.67 31.03S 71.32W 63–4 3.5L
¶13932513
GUC Error ellipse: s-maj=1.1km s-min=8.5km az=-1.0.
ISC X 18 07 38 39.4–.66 29.91S–.03 71.64W–.08 47–6 4.0b 62 0-151
IDC X 18 07 38 37.6–4.0 29.98S 71.74W 35–29 3.9b,3.9 ¶12068961
ISCJB X 18 07 38 38.2–.64 29.93S–.03 71.65W–.08 54–5 4.0b,3.9
GUC X 18 07 38 38.7–.62 29.89S 71.58W 47–1 4.4L,3.9
NEIC X 18 07 38 40.1–1.6 29.90S 71.56W 56–13 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=17.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=4.0km az=6.7.
GUC Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=9.4km az=77.0.
GUC X 18 12 00 18.4–.56 32.39S 71.68W 28–3 3.9,3.3L
¶13932518
GUC Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0.
GUC X 20 12 20 48.9–.43 32.38S 71.30W 44–1 3.5,3.4L
NEIC X 20 12 20 48.9 32.38S 71.30W 44 3.5,3.4L ¶13397597
GUC Error ellipse: s-maj=0.9km s-min=2.1km az=-1.0.
NEIC Event type fe. Felt [II] at Papudo, Petorca and Zapallar. After GUC.
GUC X 25 08 15 15.7–.71 31.71S 71.82W 25–3 3.9,2.9L
¶13932636
GUC Error ellipse: s-maj=2.2km s-min=7.1km az=-1.0.
GUC X 26 09 40 16.6–.84 31.72S 71.77W 23–3 4.0,3.4L
¶13932666
GUC Error ellipse: s-maj=1.9km s-min=6.9km az=-1.0.
ISC X 28 15 23 48.6–.90 32.50S–.03 71.96W–.05 18–5 4.5b 71 0-176
IDC X 28 15 23 45.7–.55 32.49S 71.86W 0 4.7,4.6L ¶11374823
BJI X 28 15 23 47.2 33.39S 72.62W 28 4.9,4.8b
GUC X 28 15 23 49.2–.78 32.51S 71.90W 12–5 4.5L,4.8b
NEIC X 28 15 23 51.1–1.1 32.48S 71.88W 36–8 4.7b,4.5L
ISC Event type fe.
IDC Error ellipse: s-maj=26.9km s-min=16.5km az=83.0.
GUC Error ellipse: s-maj=1.8km s-min=6.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=7.6km az=84.0. Felt [III] at Valparaiso and Vina del Mar; [II] at La Ligua and San Antonio.
ISC X 29 09 07 04.2–1.0 30.85S–.03 71.92W–.07 5–5 3.6b 44 1-151
IDC X 29 09 07 01.1–1.6 30.93S 72.20W 0 3.9,3.8L ¶12071443
ISCJB X 29 09 07 04.4–1.1 30.83S–.03 71.96W–.08 18–8 3.6b,3.8L
GUC X 29 09 07 05.6–.93 30.81S 71.82W 28–4 4.2L,4.2
NEIC X 29 09 07 05.8–1.6 30.91S 72.19W 35 4.2L,4.2
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=27.1km az=34.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=4.5km az=3.4.
GUC Error ellipse: s-maj=2.5km s-min=6.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=11.5km az=91.0.
ISC X 30 10 58 08.1–.73 34.76S–.03 72.35W–.07 10 3.4b 28 1-85
IDC X 30 10 58 05.7–1.6 34.78S 72.40W 0 3.6,3.5b ¶12071612
ISCJB X 30 10 58 06.8–.76 34.74S–.03 72.43W–.07 10 3.4b,3.5b
GUC X 30 10 58 09.3–.66 34.79S 72.18W 4–5 3.9L,3.5b

IDC Error ellipse: s-maj=43.9km s-min=31.2km az=81.0.
ISCJB Error ellipse: s-maj=8.1km s-min=4.0km az=12.6.
GUC Error ellipse: s-maj=2.3km s-min=7.1km az=-1.0.
GUC X 30 16 29 07.4–.70 32.20S 71.80W 18–7 3.7,3.2L
¶13932758
GUC Error ellipse: s-maj=1.3km s-min=5.2km az=-1.0.
GUC X 30 20 22 50.7–.47 36.61S 73.37W 15–5 4.0L
¶13932759
GUC Error ellipse: s-maj=2.1km s-min=5.8km az=-1.0.
GUC X 31 04 53 10.7–.69 32.66S 71.65W 14–3 3.5,2.8L
¶13932767
GUC Error ellipse: s-maj=1.2km s-min=3.2km az=-1.0.
GUC XI 01 05 29 51.0–.60 32.12S 71.74W 27–2 3.7,2.9L
NEIC XI 01 05 29 51.0 32.12S 71.74W 27 2.9L,2.9L ¶13398832
GUC Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 01 17 46 41.5–.85 32.00S 71.52W 31–2 3.9,3.5L
NEIC XI 01 17 46 41.5 32.00S 71.52W 31 3.5L,3.5L ¶13398923
GUC Error ellipse: s-maj=1.3km s-min=4.7km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 02 04 59 52.4–.61 28.66S 71.44W 38–3 3.7L
NEIC XI 02 04 59 52.4 28.66S 71.44W 38 3.7 ¶13398984
GUC Error ellipse: s-maj=2.3km s-min=7.3km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 02 10 51 48.2–.63 30.98S 71.11W 66–3 3.5,3.2L
¶14117564
GUC Error ellipse: s-maj=1.5km s-min=6.1km az=-1.0.
GUC XI 03 03 50 51.8–.44 33.97S 71.48W 51–2 3.7,2.7L
NEIC XI 03 03 50 51.8 33.97S 71.48W 51 3.7,2.7L ¶13399067
GUC Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 04 17 41 54.1–.43 28.41S 71.50W 63–12 4.6L
¶14118329
GUC Error ellipse: s-maj=1.6km s-min=8.1km az=-1.0.
GUC XI 05 03 03 03.5–.87 28.45S 71.48W 47–267 4.3L
NEIC XI 05 03 03 03.5 28.45S 71.48W 47 4.3 ¶13399274
GUC Error ellipse: s-maj=3.3km s-min=13.1km az=-1.0.
NEIC Event type se. After GUC.
ISC XI 05 22 34 49.6–1.4 31.47S–.03 71.97W–.09 9–6 4.3b 30 1-155
IDC XI 05 22 34 47.5–1.3 31.33S 72.10W 0 4.5b,4.0 ¶12072472
GUC XI 05 22 34 52.9–.41 31.51S 71.73W 25–7 4.1,3.9L
NEIC XI 05 22 34 52.5–.86 31.37S 72.00W 35 4.1b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=44.7km s-min=32.5km az=8.0.
GUC Error ellipse: s-maj=0.9km s-min=3.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=11.9km az=84.0.
GUC XI 06 00 50 03.6–.62 31.53S 71.64W 29–3 3.6,2.4L
¶14118968
GUC Error ellipse: s-maj=1.4km s-min=5.4km az=-1.0.
GUC XI 06 01 31 29.5–.42 31.51S 71.72W 12–3 3.6,3.1L
NEIC XI 06 01 31 29.5 31.51S 71.72W 12 3.1L,3.1L ¶13399380
GUC Error ellipse: s-maj=0.8km s-min=4.6km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 06 04 50 49.0–.70 31.51S 71.76W 24–5 3.8,3.6L
¶14118975
GUC Error ellipse: s-maj=1.3km s-min=5.7km az=-1.0.
GUC XI 08 05 10 24.2–1.0 36.09S 72.55W 43–4 3.6L
¶14119647
GUC Error ellipse: s-maj=2.9km s-min=4.4km az=-1.0.
GUC XI 08 21 27 05.9–.69 32.65S 71.73W 12–4 4.0,3.5L
¶14119650
GUC Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0.
ISC XI 09 23 28 15.3–.27 30.83S–.02 71.10W–.07 58–3 4.7b,3.8s 266 0-176
IDC XI 09 23 28 13.7–.59 30.86S 71.45W 53–4 4.4,4.2 ¶11406555
ISCJB XI 09 23 28 14.2–.27 30.83S–.02 71.13W–.07 64–2 4.7b,4.2
GUC XI 09 23 28 14.6–.61 30.82S 71.18W 55–2 4.9L,4.2
NEIC XI 09 23 28 14.6 30.82S 71.18W 55 4.8b,4.2
BJI XI 09 23 28 18.8 30.60S 70.70W 88 4.9b,4.9
ISC Event type fe.
IDC Error ellipse: s-maj=19.0km s-min=10.0km az=29.0.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=3.7km az=178.3.
GUC Error ellipse: s-maj=1.2km s-min=6.5km az=-1.0.
NEIC Event type fe. Felt [III] at Andacollo, Hurtado, Ovalle and Vicuna; [II] at Illapel. Also felt at La Serena. After GUC.
GUC XI 10 15 52 58.2–.66 32.55S 71.62W 14–4 3.6,2.6L
NEIC XI 10 15 52 58.2 32.55S 71.62W 14 2.6L,2.6L ¶13399765
GUC Error ellipse: s-maj=1.5km s-min=5.1km az=-1.0.
NEIC Event type se. After GUC.
ISC XI 10 20 44 52.5–.61 32.56S–.03 71.72W–.05 27–4 4.2b,3.8s 88 0-156
IDC XI 10 20 44 48.0–.66 32.58S 71.56W 0 4.4,4.3L ¶12073103
ISCJB XI 10 20 44 52.5–.57 32.56S–.03 71.73W–.06 43–5 4.2b,3.8s
NEIC XI 10 20 44 52.7 32.56S 71.65W 29 4.1L,3.8s
GUC XI 10 20 44 52.7–.65 32.56S 71.65W 29–4 4.1L,3.8s
ISC Event type fe.
IDC Error ellipse: s-maj=18.1km s-min=15.7km az=161.0.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.3km az=166.2.
NEIC Event type fe. Felt [III] at Papudo, Puchuncavi and Valparaiso; [II] at Petorca, Quillota, San Felipe and Santiago. After GUC.
GUC Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
GUC XI 11 08 14 51.9–1.0 32.50S 72.00W 16–10 3.6,3.1L
NEIC XI 11 08 14 51.9 32.50S 72.00W 16 3.1L,3.1L ¶13399810
GUC Error ellipse: s-maj=2.8km s-min=10.8km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 11 12 04 36.6–.87 30.15S 71.68W 15–5 3.9,3.8L
NEIC XI 11 12 04 36.6 30.15S 71.68W 15 3.8L,3.8L ¶13399828
GUC Error ellipse: s-maj=2.0km s-min=5.1km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 11 13 31 45.8–.59 32.00S 71.17W 29–2 3.5,3.1L
NEIC XI 11 13 31 45.8 32.00S 71.17W 29 3.1L,3.1L ¶13399833
GUC Error ellipse: s-maj=1.1km s-min=3.3km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 11 20 57 31.8–.72 32.62S 71.71W 3–2 3.6,3.4L
¶14120760
GUC Error ellipse: s-maj=2.5km s-min=3.5km az=-1.0.
GUC XI 11 23 59 54.8–1.4 30.82S 71.73W 6–5 4.0,3.9L
¶14120761
GUC Error ellipse: s-maj=4.6km s-min=7.8km az=-1.0.
GUC XI 13 20 23 49.2–.73 36.26S 73.13W 26–5 4.1,3.9L
NEIC XI 13 20 23 49.2 36.26S 73.13W 26 3.9L,3.9L ¶13400074
GUC Error ellipse: s-maj=5.0km s-min=8.2km az=-1.0.
NEIC Event type se. After GUC.
ISC XI 14 06 11 57.1–.91 33.59S–.05 71.23W–.09 66–12 44 0-3
ISCJB XI 14 06 11 56.6–.93 33.59S–.05 71.21W–.09 70–12 ¶11473021
NEIC XI 14 06 11 56.5 33.58S 71.17W 72 3.9
GUC XI 14 06 11 56.5–.64 33.58S 71.17W 72–4 3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=7.8km az=174.5.
NEIC Event type fe. Felt [II] at Santiago. After GUC.
GUC Error ellipse: s-maj=1.9km s-min=3.5km az=-1.0.
GUC XI 14 19 31 30.6–.68 32.66S 71.64W 23–7 3.7,3.2L
NEIC XI 14 19 31 30.6 32.66S 71.64W 23 3.2L,3.2L ¶13400192
GUC Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 15 08 03 32.3–.81 32.57S 71.67W 15–4 3.8,3.0L
NEIC XI 15 08 03 32.3 32.57S 71.67W 15 3.0L,3.0L ¶13400230
GUC Error ellipse: s-maj=1.7km s-min=4.8km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 15 11 16 48.0–.78 32.13S 71.82W 32–4 3.5,3.1L
NEIC XI 15 11 16 48.0 32.13S 71.82W 32 3.1L,3.1L ¶13400239
GUC Error ellipse: s-maj=2.2km s-min=6.0km az=-1.0.
NEIC Event type se. After GUC.

ISC XI 15 16 13 33.5–.70 32.08S–.02 71.83W–.08 36–6 4.3b 96 0-155
ISCJB XI 15 16 13 32.6–.65 32.07S–.02 71.83W–.08 43–5 4.3b **¶12073641**
IDC XI 15 16 13 33.0–7.5 32.00S 72.03W 33–49 4.2L,4.1b
NEIC XI 15 16 13 33.8–.76 32.09S 71.80W 39–6 4.4b,4.2
GUC XI 15 16 13 33.0–.86 32.11S 71.70W 30–3 4.2,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=3.8km az=176.1.
IDC Error ellipse: s-maj=58.3km s-min=20.5km az=112.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.0km az=95.0.
GUC Error ellipse: s-maj=1.6km s-min=5.3km az=-1.0.
GUC XI 15 16 33 25.6–.62 32.39S 71.77W 34–11 3.6,2.7L
¶14122115

GUC Error ellipse: s-maj=2.5km s-min=7.6km az=-1.0.
GUC XI 15 16 51 09.4–.83 32.38S 71.81W 25–4 3.8,3.4L
NEIC XI 15 16 51 09.4 32.38S 71.81W 25 3.4L,3.4L **¶13400261**
GUC Error ellipse: s-maj=1.5km s-min=4.3km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 18 12 59 45.7–.92 32.51S 71.70W 32–7 3.6,2.8L
¶14123212

GUC Error ellipse: s-maj=2.9km s-min=6.9km az=-1.0.
GUC XI 19 17 17 32.9–.48 30.46S 71.91W 46–1 3.8,3.5L
NEIC XI 19 17 17 32.9 30.46S 71.91W 46 3.8,3.5L **¶13400619**
GUC Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0.
NEIC Event type se. After GUC.
ISC XI 22 07 57 38.9–.39 36.64S–.03 72.19W–.08 67–5 3.2b 43 0-85
ISCJB XI 22 07 57 37.5–.39 36.64S–.03 72.16W–.08 77–5 3.2b **¶12074482**
IDC XI 22 07 57 38.1–3.4 36.61S 72.33W 51–31 4.6L,3.6
GUC XI 22 07 57 38.2–.82 36.65S 72.14W 72–3 4.8L,3.6
ISCJB Error ellipse: s-maj=10.9km s-min=4.1km az=14.5.
IDC Error ellipse: s-maj=41.4km s-min=17.9km az=96.0.
GUC Error ellipse: s-maj=1.7km s-min=4.5km az=-1.0.
ISC XI 23 14 17 12.1–.56 29.29S–.03 71.30W–.08 47–6 3.9b 48 1-153
NEIC XI 23 14 17 09.9–.39 29.56S 71.26W 35 4.2b **¶12074597**
ISCJB XI 23 14 17 11.2–.53 29.29S–.02 71.30W–.08 56–5 3.9b
GUC XI 23 14 17 11.4–.95 29.32S 71.27W 55–10 4.3L
IDC XI 23 14 17 14.8–2.9 29.35S 71.26W 73–24 3.8,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=10.4km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=4.0km az=5.6.
GUC Error ellipse: s-maj=3.0km s-min=11.5km az=-1.0.
IDC Error ellipse: s-maj=32.5km s-min=17.3km az=58.0.
ISC XI 23 21 19 40.7–.61 36.32S–.02 72.99W–.05 27–4 5.4b,4.9s 270 0-177
IDC XI 23 21 19 36.0–.38 36.31S 72.92W 0 5.0,5.0b **¶11473311**
BJI XI 23 21 19 39.0 35.46S 73.81W 32 5.4s,5.3b
MOS XI 23 21 19 40.4–1.1 36.17S 72.77W 33 5.7b,4.8s
GUC XI 23 21 19 40.1–.75 36.32S 73.01W 33–2 5.5L,4.8s
ISCJB XI 23 21 19 40.3–.54 36.32S–.02 72.96W–.06 37–4 5.4b,4.9s
NEIC XI 23 21 19 40.0 36.32S 73.01W 33 5.6b,5.3W
GCMT XI 23 21 19 44.3–.20 36.38S 73.36W 38–1 5.3W,5.3W
DJA XI 23 21 20 25 37.93S 71.53W 358 4.9b,5.3W
ISC Event type fe.
IDC Error ellipse: s-maj=14.9km s-min=10.6km az=76.0.
MOS Error ellipse: s-maj=18.1km s-min=7.4km az=102.2.
GUC Error ellipse: s-maj=1.8km s-min=4.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.2km az=179.9.
NEIC Event type fe. Felt [V] at Concepcion, [IV] at Chillan, [III] at Cauquenes and [II] at Constitucion, Los Angeles and Talca. Also felt at Chiguayante and Talcahuano. After GUC. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s326.00000°,δ27.00000°,λ67.00000°. NP2:ϕ_s171.00000°,δ65.00000°,λ101.00000°. Principal axes: T 1.0000,Plg68.0000° ,Azm103.0000°; N 0.2500,Plg10.0000°,Azm346.0000°; P -1.2400,Plg19.0000° ,Azm252.0000° $M_0$1.10000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 70, comp=105, per= 50. Moment Tensor Solution. s60,c93; s9,c9; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s11.00000°,δ22.00000° ,λ111.00000°. NP2:ϕ_s169.00000°,δ69.00000°,λ82.00000°. Principal axes: T 1.0200,Plg65.0000°,Azm65.0000°; N 0.1100,Plg8.0000°,Azm172.0000° ; P -1.1300,Plg24.0000°,Azm265.0000° $M_0$1.10000×10^{17}
GUC XI 24 08 09 22.1–.62 28.87S 71.29W 38–3 3.7L
¶14125260

GUC Error ellipse: s-maj=1.8km s-min=5.1km az=-1.0.
GUC XI 24 14 04 35.9–.67 28.78S 71.08W 89–9 4.2L
¶14125265

GUC Error ellipse: s-maj=6.4km s-min=24.2km az=-1.0.
GUC XI 26 19 35 46.1–.67 32.55S 71.68W 28–3 3.8,3.0L
¶14125935

GUC Error ellipse: s-maj=1.3km s-min=3.1km az=-1.0.
GUC XI 26 20 37 06.9–.74 34.83S 72.75W 16–7 3.5L
¶14125936

GUC Error ellipse: s-maj=3.3km s-min=3.7km az=-1.0.
GUC XI 27 22 07 17.5–.42 32.68S 71.07W 5–1 3.5,2.1L
¶14126254

GUC Error ellipse: s-maj=1.5km s-min=2.1km az=-1.0.
GUC XI 28 00 38 47.7–.82 31.66S 71.38W 26–4 4.0,3.2L
¶14126535

GUC Error ellipse: s-maj=1.1km s-min=6.3km az=-1.0.
GUC XI 29 01 03 26.5–.35 36.22S 72.18W 97–2 3.5L,3.1
¶14126809

GUC Error ellipse: s-maj=1.7km s-min=2.6km az=-1.0.
ISC XI 29 16 41 57.9–.20 29.88S–.02 71.27W–.06 64 4.7b 109 0-176
ISCJB XI 29 16 41 56.2–.21 29.87S–.02 71.43W–.06 62 4.7b **¶11482941**
IDC XI 29 16 41 56.9–.48 29.99S 71.35W 62–4 4.3,4.3
NEIC XI 29 16 41 57.1–.21 29.92S 71.19W 62 4.7b,4.5
BJI XI 29 16 41 57.7 29.90S 71.20W 63 5.4s,5.0b
GUC XI 29 16 41 57.9–.64 29.88S 71.20W 64–3 4.7L,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.1km az=173.9.
IDC Error ellipse: s-maj=21.3km s-min=12.4km az=72.0.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=5.2km az=60.0. Felt [III] at La Higuera and La Serena and [II] at Ovalle.
GUC Error ellipse: s-maj=1.4km s-min=7.3km az=-1.0.
GUC XI 29 22 46 21.7–.34 36.23S 72.95W 24–2 3.5,3.4L
¶14126812

GUC Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0.
ISC XII 01 15 05 36.6–.73 31.73S–.03 71.6W–.10 52–11 3.4b 32 1-152
ISCJB XII 01 15 05 35.7–.72 31.72S–.03 71.6W–.10 61–9 3.4b **¶12075422**
GUC XII 01 15 05 35.8–.96 31.76S 71.46W 31–4 3.7L
IDC XII 01 15 05 36.2–5.3 31.61S 71.29W 43–8 3.5,3.4
NEIC XII 01 15 05 37.6–2.6 31.65S 71.29W 58–17 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=4.8km az=175.2.
GUC Error ellipse: s-maj=2.2km s-min=8.0km az=-1.0.
IDC Error ellipse: s-maj=241.1km s-min=42.5km az=24.0.
NEIC Event type se. Error ellipse: s-maj=53.3km s-min=13.7km az=66.0.
GUC XII 02 07 40 45.2–.73 34.14S 71.99W 33–4 3.8,3.1L
¶14238764

GUC Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0.
GUC XII 03 16 31 20.5–.96 30.06S 71.34W 69–5 3.7L
¶14238794

GUC Error ellipse: s-maj=3.2km s-min=8.8km az=-1.0.
ISC XII 03 19 13 49.9–.82 28.59S–.04 71.3W–.10 47–8 4.0b 29 0-153
ISCJB XII 03 19 13 49.1–.71 28.60S–.04 71.25W–.10 57–6 4.0b **¶12075636**
IDC XII 03 19 13 49.7–.75 28.54S 71.19W 49–5 3.9,3.8b
GUC XII 03 19 13 49.5–.88 28.67S 71.31W 39–5 4.3L,3.8b
NEIC XII 03 19 13 53.1–1.8 28.64S 71.09W 78–15 4.3b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=6.3km az=1.9.
IDC Error ellipse: s-maj=30.8km s-min=12.2km az=55.0.
GUC Error ellipse: s-maj=6.3km s-min=10.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=15.2km az=97.0.
GUC XII 04 10 59 16.8–.73 32.58S 71.72W 12–5 3.7,2.8L
¶14238814

GUC Error ellipse: s-maj=1.6km s-min=6.2km az=-1.0.
ISC XII 04 11 55 07.1–.93 30.38S–.05 71.2W–.10 88–10 3.7b 21 1-151
ISCJB XII 04 11 55 05.5–1.1 30.41S–.05 71.2W–.10 92–11 3.7b **¶12075739**
IDC XII 04 11 55 05.8–3.1 30.35S 71.26W 81–32 3.7,3.6
NEIC XII 04 11 55 07.5–1.0 30.43S 71.08W 97–10 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=7.9km az=170.1.
IDC Error ellipse: s-maj=29.8km s-min=25.2km az=2.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=11.1km az=81.0.
GUC XII 07 17 26 45.7–.66 31.78S 71.42W 28–1 4.2,3.6L
¶14238890

GUC Error ellipse: s-maj=0.8km s-min=3.0km az=-1.0.
ISC XII 08 13 58 44.6–.16 29.32S–.02 71.13W–.05 55 4.5b,3.8s 223 0-177
ISCJB XII 08 13 58 43.0–.15 29.31S–.02 71.28W–.04 53 4.5b,3.8s **¶12076365**
NEIC XII 08 13 58 43.8–.30 29.19S 71.13W 54 4.7b,3.8s
GUC XII 08 13 58 43.3–.74 29.33S 71.23W 54–19 5.1L,3.8s
IDC XII 08 13 58 43.7–.59 29.33S 71.32W 56–4 4.3,4.2b
BJI XII 08 13 58 44.7 29.20S 71.10W 52 5.3s,5.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.9km az=168.0.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=6.7km az=52.0. Felt [II] at La Serena.
GUC Error ellipse: s-maj=2.0km s-min=13.7km az=-1.0.
IDC Error ellipse: s-maj=26.8km s-min=10.7km az=47.0.
GUC XII 10 02 58 28.1–.68 32.64S 71.63W 10–5 3.6,2.8L
¶14238943

GUC Error ellipse: s-maj=2.4km s-min=7.5km az=-1.0.
GUC XII 10 03 06 19.7–.75 32.17S 71.78W 24–3 4.1,3.2L
¶14238944

GUC Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0.
GUC XII 10 22 03 02.6–.62 32.65S 71.13W 10–4 3.7,3.5L
¶14238953

GUC Error ellipse: s-maj=1.4km s-min=3.9km az=-1.0.
GUC XII 10 23 47 21.2–.41 34.07S 71.49W 42–1 3.8,3.3L
¶14238954

GUC Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0.
GUC XII 11 02 49 45.9–.40 32.71S 71.79W 21–6 3.7,3.6L
¶14238955

GUC Error ellipse: s-maj=0.7km s-min=1.4km az=-1.0.
GUC XII 11 16 04 14.2–.48 31.05S 71.49W 47–13 4.0,3.9L
¶14238958

GUC Error ellipse: s-maj=1.3km s-min=11.9km az=-1.0.
GUC XII 12 22 05 28.4–.90 34.71S 72.09W 15–6 3.8,3.6L
¶14238969

GUC Error ellipse: s-maj=2.5km s-min=6.1km az=-1.0.
GUC XII 13 14 38 53.8–.61 34.69S 72.26W 16–4 3.7,2.6L
¶14238972

GUC Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0.
GUC XII 15 08 19 33.8–.74 32.66S 71.67W 21–12 3.8,3.0L
¶14238987

GUC Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
GUC XII 15 20 26 54.7–.49 34.70S 72.23W 27–2 3.5,2.9L
¶14238990

GUC Error ellipse: s-maj=2.5km s-min=4.1km az=-1.0.
GUC XII 16 13 48 10.5–.44 40.62S 73.09W 52–2 4.2L
¶14238995

GUC Error ellipse: s-maj=1.0km s-min=3.8km az=-1.0.
GUC XII 16 15 47 24.1–.50 34.26S 71.76W 39–1 3.5,2.7L
¶14238996

GUC Error ellipse: s-maj=2.5km s-min=3.3km az=-1.0.
ISC XII 16 22 05 26.8–.12 29.73S–.02 71.37W–.05 61 4.8b 417 0-176
NEIC XII 16 22 05 25.0 29.73S 71.51W 68 4.9b **¶12077821**
ISCJB XII 16 22 05 25.1–.11 29.73S–.02 71.49W–.04 59 4.8b,4.1s
GUC XII 16 22 05 25.1–.79 29.73S 71.51W 68–5 5.6L,4.1s
IDC XII 16 22 05 26.1–.69 29.65S 71.58W 58–5 4.5,4.4
GCMT XII 16 22 05 28.3–.20 29.91S 71.85W 63–3 5.1W,4.4
BJI XII 16 22 05 29.0 29.70S 71.50W 67 5.0s,5.0b
ISC Event type fe.
NEIC Event type fe. Felt [V] at La Higuera; [IV] at Andacollo, La Serena and Vicuna; [III] at Ovalle, Punitaqui and Rio Hurtado. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=2.0km az=166.7.
GUC Error ellipse: s-maj=1.5km s-min=9.3km az=-1.0.
IDC Error ellipse: s-maj=17.6km s-min=9.4km az=55.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s47,c60; s80,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.23 $M_{\theta\theta}$1.99±.19; $M_{\phi\phi}$-1.86±.21; $M_{r\theta}$-1.40±.10; $M_{\theta\phi}$1.79±.18; $M_{\phi r}$-4.60±.14; Best double couple: NP1:ϕ_s290.00000°,δ29.00000°,λ-1.00000°. NP2:ϕ_s21.00000°,δ90.00000°,λ-119.00000°. Principal axes: T 5.2200,Plg38.0000° ,Azm136.0000°; N 0.4900,Plg29.0000°,Azm21.0000°; P -5.7100,Plg39.0000°,Azm265.0000° $M_0$5.50000×10^{16}
ISC XII 18 21 19 29.8–.65 32.38S–.02 71.67W–.03 24–4 6.0s,5.7b 903 0-178
BJI XII 18 21 19 26.8 32.14S 72.44W 19 6.3s,6.2 **¶13813917**
ISCJB XII 18 21 19 28.6–.66 32.33S–.02 71.68W–.03 26–4 6.0s,5.7b
NEIC XII 18 21 19 28.4–.10 32.46S 71.73W 18 6.2W,6.0s
GUC XII 18 21 19 28.4–.52 32.48S 71.90W 25–3 5.8L,6.0s
MOS XII 18 21 19 29.9–1.0 32.30S 71.70W 33 6.0s,5.8b
IDC XII 18 21 19 29.5–1.1 32.47S 71.67W 24–6 6.0,6.0s
GCMT XII 18 21 19 33.6–.10 32.63S 72.13W 22–0 6.1W,6.0s
SZGRF XII 18 21 19 38.4 31.92S 67.31W 33 6.3b,6.0s
DJA XII 18 21 19 45 32.79S 71.56W 142 5.5b,6.0s
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=2.9km az=147.7.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.6km az=65.0. Felt [V] at La Ligua, Valparaiso and Vina del Mar; [IV] at Melipilla, Quillota and Santiago; [III] at Rancagua; [II] at Canela, Illapel and Salamanca. Also felt at Cabildo, Colina, Limache, Machali and Penaflor. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s175.00000°,δ70.00000°,λ90.00000°. NP2:ϕ_s355.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm85.0000°; N Plg0.0000°,Azm0.0000°; P Plg25.0000° ,Azm265.0000° Moment Tensor Solution. s157 Moment tensor: Scale 10^{18}Nm; M_{rr}0.84 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-1.07 $M_{r\theta}$0.11 $M_{\theta\phi}$0.08 $M_{\phi r}$-1.00 Best double couple: NP1:ϕ_s360.00000° ,δ22.00000°,λ95.00000°. NP2:ϕ_s174.00000°,δ68.00000°,λ88.00000°. Principal axes: T 1.2700,Plg66.0000°,Azm80.0000°; N 0.2300,Plg1.0000°,Azm174.0000° ; P -1.5100,Plg23.0000°,Azm265.0000° $M_0$1.40000×10^{18} Moment Tensor Solution. $M_0$1.90000×10^{18}
GUC Error ellipse: s-maj=2.0km s-min=3.4km az=-1.0.
MOS Error ellipse: s-maj=10.9km s-min=6.2km az=95.8.
IDC Error ellipse: s-maj=9.6km s-min=5.3km az=79.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=113, comp=252, per= 50. Moment Tensor Solution. s112,c239; s90,c125; Moment tensor: Scale 10^{18}Nm; M_{rr}1.13±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-1.25±.01; $M_{r\theta}$0.13±.02; $M_{\theta\phi}$0.06±.01; $M_{\phi r}$-1.54±.03; Best double couple: NP1:ϕ_s360.00000°,δ19.00000°,λ94.00000°. NP2:ϕ_s175.00000°,δ71.00000°,λ89.00000°. Principal axes: T 1.8900,Plg64.0000°,Azm83.0000°; N 0.1200,Plg1.0000°,Azm176.0000° ; P -2.0100,Plg26.0000°,Azm267.0000° $M_0$2.00000×10^{18}
SZGRF San Juan Province, Argentina.
ISC XII 18 21 25 01.4–1.6 32.48S–.03 71.93W–.06 16–10 4.8b 52 1-156
IDC XII 18 21 24 58.6–1.2 32.41S 71.86W 0 4.9b,4.9 **¶12078100**
ISCJB XII 18 21 25 02.2–.97 32.49S–.04 71.99W–.08 35–8 4.8b,4.9
GUC XII 18 21 25 02.6–.45 32.50S 71.85W 36–1 4.6L,4.9
NEIC XII 18 21 25 02.0 32.49S 71.87W 38 4.6,4.9
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=27.5km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.2km az=176.5.
GUC Error ellipse: s-maj=1.1km s-min=2.3km az=-1.0.
NEIC Event type se. After GUC.
ISC XII 18 21 26 30.2–1.1 32.50S–.04 71.98W–.08 20–6 5.8s,4.7b 46 1-156
IDC XII 18 21 26 27.5–1.5 32.50S 71.63W 0 5.8s,5.7 **¶12078101**
ISCJB XII 18 21 26 29.8–1.1 32.51S–.05 72.07W–.08 32–7 5.8s,4.7b
GUC XII 18 21 26 30.8–.92 32.49S 71.91W 30–5 4.7L,4.7b
NEIC XII 18 21 26 30.8 32.49S 71.91W 30 4.8b,4.7L
ISC Event type se.
IDC Error ellipse: s-maj=58.6km s-min=25.4km az=98.0.

ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.0km az=154.2.
GUC Error ellipse: s-maj=2.3km s-min=5.6km az=-1.0.
NEIC Event type se. After GUC.
ISC XII 18 21 40 54.6–1.0 32.50S–.03 71.97W–.06 12–4 3.9b 58 1-156
ISCJB XII 18 21 40 53.8–1.1 32.50S–.03 72.06W–.07 17–6 3.9b **¶12078103**
GUC XII 18 21 40 55.7–.85 32.52S 71.97W 15–999 4.0L
IDC XII 18 21 40 55.1–2.6 32.55S 71.23W 0 3.9b,3.8
NEIC XII 18 21 40 55.7 32.52S 71.97W 15 4.0L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.1km az=171.3.
GUC Error ellipse: s-maj=2.5km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=94.3km s-min=37.4km az=96.0.
NEIC Event type se. After GUC.
ISC XII 18 21 50 33.1–.45 32.47S–.02 71.61W–.04 41–4 5.8s,5.6b 801 1-178
IDC XII 18 21 50 26.8–.30 32.59S 71.77W 0 5.7s,5.7 **¶12078106**
BJI XII 18 21 50 28.7 32.50S 71.70W 10 6.2s,6.0
GUC XII 18 21 50 28.3–.74 32.48S 72.05W 25–5 5.5L,6.0
NEIC XII 18 21 50 28.0 32.47S 72.05W 25 6.0W,5.8b
ISCJB XII 18 21 50 31.6–.45 32.46S–.02 71.71W–.04 42–4 5.8s,5.6b
MOS XII 18 21 50 31.7–1.1 31.95S 71.91W 33 5.8s,5.8b
GCMT XII 18 21 50 34.0–.10 32.62S 72.11W 21–0 5.9W,5.8b
DJA XII 18 21 51 03 33.21S 71.25W 267 5.3b,5.8b
ISC Event type se.
IDC Error ellipse: s-maj=11.7km s-min=8.3km az=96.0.
GUC Error ellipse: s-maj=2.3km s-min=4.7km az=-1.0.
NEIC Event type fe. Felt [III] at Papudo, Puchuncavi, Santiago, Valparaiso and Zapallar; [II] La Ligua and Vina del Mar. Also felt at Graneros, Puente Alto, Quillota and Quilpue. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.7km az=164.4.
MOS Error ellipse: s-maj=12.0km s-min=7.0km az=92.2.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=106, comp=216, per= 50. Moment Tensor Solution. s82,c142; s60,c66; Moment tensor: Scale 10^{17}Nm; M_{rr}4.43±.10 $M_{\theta\theta}$0.08±.05; $M_{\phi\phi}$-4.51±.07; $M_{r\theta}$0.25±.11; $M_{\theta\phi}$0.53±.04; $M_{\phi r}$-6.10±.21; Best double couple: NP1:ϕ_s350.00000°,δ18.00000°,λ83.00000°. NP2:ϕ_s177.00000°,δ72.00000°,λ92.00000°. Principal axes: T 7.5200,Plg63.0000°,Azm90.0000°; N 0.1200,Plg2.0000°,Azm356.0000°; P -7.6500,Plg27.0000°,Azm265.0000° M_o7.60000×10^{17}
GUC XII 18 22 13 47.4–.66 32.46S 71.88W 15–5 3.6L
¶14239016
GUC Error ellipse: s-maj=1.3km s-min=4.8km az=-1.0.
ISC XII 18 22 28 01.2–.88 32.49S–.03 71.91W–.06 16–5 3.9b 57 1-153
IDC XII 18 22 27 58.6–2.0 32.60S 71.65W 0 4.1b,3.9 **¶12078110**
ISCJB XII 18 22 28 00.8–1.0 32.49S–.03 71.95W–.07 17–6 3.9b,3.9
GUC XII 18 22 28 02.3–.81 32.50S 71.86W 14–5 3.5L,3.9
NEIC XII 18 22 28 02.3 32.50S 71.86W 14 3.9b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=84.8km s-min=38.2km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.5km az=172.7.
GUC Error ellipse: s-maj=1.6km s-min=5.5km az=-1.0.
NEIC Event type se. After GUC.
ISC XII 18 22 33 27.9–.91 32.56S–.02 72.00W–.05 16–5 4.3b 83 1-156
IDC XII 18 22 33 25.4–.86 32.52S 71.88W 0 4.4,4.4b **¶12078112**
ISCJB XII 18 22 33 27.3–.94 32.57S–.03 72.09W–.06 26–5 4.3b,4.4b
GUC XII 18 22 33 29.2–.89 32.58S 71.93W 15–7 4.5L,4.4b
NEIC XII 18 22 33 29.0 32.57S 71.93W 15 4.5L,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=37.0km s-min=19.1km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.1km az=172.1.
GUC Error ellipse: s-maj=2.0km s-min=7.8km az=-1.0.
NEIC Event type fe. Felt [I] at Puchuncavi. After GUC.
ISC XII 18 23 03 34.0–1.0 32.47S–.03 71.94W–.06 15–6 58 1-156
IDC XII 18 23 03 31.9–2.4 32.46S 71.79W 0 3.8b,3.7 **¶12078117**
ISCJB XII 18 23 03 33.2–1.0 32.46S–.03 72.02W–.07 20–6 3.8b,3.7
GUC XII 18 23 03 35.1–.71 32.50S 71.83W 6–4 3.6L,3.7
NEIC XII 18 23 03 35.1 32.50S 71.83W 6 3.6L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=123.2km s-min=38.1km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.8km az=172.0.
GUC Error ellipse: s-maj=2.0km s-min=6.0km az=-1.0.
NEIC Event type se. After GUC.
ISC XII 18 23 38 05.2–.83 32.56S–.02 71.87W–.06 17–5 4.1b 70 0-156
IDC XII 18 23 38 03.1–2.0 32.55S 71.44W 0 4.1b,3.9 **¶12078119**
ISCJB XII 18 23 38 04.6–.85 32.56S–.02 71.93W–.06 21–5 4.1b,3.9
GUC XII 18 23 38 05.8–.63 32.57S 71.86W 15–471 4.0,3.6L
NEIC XII 18 23 38 05.8 32.57S 71.86W 15 3.9b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=84.5km s-min=37.6km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=3.8km az=172.9.
GUC Error ellipse: s-maj=1.0km s-min=2.7km az=-1.0.
NEIC Event type se. After GUC.
ISC XII 18 23 51 21.9–.82 32.48S–.02 71.96W–.05 14–4 4.2b 73 1-156
IDC XII 18 23 51 19.3–.78 32.45S 71.86W 0 4.1b,4.1 **¶12078123**
ISCJB XII 18 23 51 21.2–.87 32.47S–.02 72.05W–.06 23–5 4.2b,4.1
NEIC XII 18 23 51 22.8 32.47S 71.93W 15 4.4b,4.2L
GUC XII 18 23 51 22.8–.84 32.47S 71.93W 15–5 4.2L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=16.7km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.9km az=173.2.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.4km s-min=6.1km az=-1.0.
ISC XII 19 00 01 00.9–.87 32.50S–.02 71.91W–.06 14–4 4.1b 59 1-156
IDC XII 19 00 00 58.3–2.0 32.49S 71.69W 0 4.1,4.1s **¶12078124**
ISCJB XII 19 00 01 00.3–.95 32.49S–.03 71.99W–.06 17–5 4.1b,4.1s
NEIC XII 19 00 01 02.1 32.52S 71.88W 15 4.0b,3.9L
GUC XII 19 00 01 02.1–.72 32.52S 71.88W 15–5 4.0,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=83.4km s-min=32.6km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.2km az=175.6.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.6km s-min=4.8km az=-1.0.
ISC XII 19 00 22 35.1–.96 32.47S–.03 71.97W–.05 17–6 4.2b 77 1-156
IDC XII 19 00 22 32.3–.86 32.46S 71.78W 0 4.3,4.2L **¶12078126**
ISCJB XII 19 00 22 34.1–.86 32.46S–.03 72.05W–.06 23–5 4.2b,4.2L
NEIC XII 19 00 22 35.9 32.48S 71.92W 29 4.5b,4.1L
GUC XII 19 00 22 35.9–.68 32.48S 71.92W 29–4 4.3,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=19.9km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.2km az=163.6.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
GUC XII 19 01 00 10.8–.80 32.57S 71.90W 16–7 3.5,2.8L
¶14239026
GUC Error ellipse: s-maj=1.7km s-min=7.5km az=-1.0.
ISC XII 19 01 08 24.2–.97 32.46S–.03 71.99W–.05 12–5 4.1b 85 1-156
IDC XII 19 01 08 22.6–.72 32.47S 71.76W 0 4.2,4.1b **¶12078133**
ISCJB XII 19 01 08 23.6–.98 32.45S–.03 72.08W–.05 20–6 4.1b,4.1b
GUC XII 19 01 08 25.1–.79 32.45S 72.00W 15–7 4.2L,4.1b
NEIC XII 19 01 08 25.1 32.45S 72.00W 15 4.2b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=17.0km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.2km az=160.7.
GUC Error ellipse: s-maj=1.9km s-min=7.3km az=-1.0.
NEIC Event type se. After GUC.
ISC XII 19 03 48 30.1–.79 32.56S–.02 72.00W–.05 14–4 4.1b 83 1-156
IDC XII 19 03 48 27.5–.89 32.54S 71.90W 0 4.2L,4.2 **¶12078144**
ISCJB XII 19 03 48 29.3–.83 32.57S–.03 72.10W–.05 21–5 4.1b,4.2
GUC XII 19 03 48 30.9–.72 32.59S 71.99W 15–3 4.2,4.1L
NEIC XII 19 03 48 30.9 32.59S 71.99W 15 4.2b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=35.3km s-min=19.4km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.0km az=160.3.
GUC Error ellipse: s-maj=1.6km s-min=5.0km az=-1.0.
NEIC Event type se. After GUC.
ISC XII 19 04 24 11.8–.72 32.47S–.02 71.99W–.04 14–4 4.4b,4.0s 127 0-165
IDC XII 19 04 24 09.3–.54 32.47S 71.84W 0 4.5,4.5 **¶11593859**
ISCJB XII 19 04 24 10.8–.75 32.48S–.02 72.10W–.04 19–5 4.4b,4.0s
GUC XII 19 04 24 12.4–.74 32.47S 71.99W 29–3 4.7L,4.0s
NEIC XII 19 04 24 12.4 32.47S 71.99W 29 4.7L,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=14.8km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=158.7.
GUC Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0.
NEIC Event type se. After GUC.
GUC XII 19 04 38 25.9–.72 32.59S 71.95W 16–801 3.5L
¶14239036
GUC Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
GUC XII 19 06 42 02.6–.53 32.49S 71.91W 13–3 3.9,3.3L
¶14239040
GUC Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0.
ISC XII 19 07 30 07.1–.90 32.51S–.03 71.88W–.04 12–5 5.1b,5.0s 646 1-178
GUC XII 19 07 30 06.9–.63 32.54S 72.02W 12–34 5.1L,5.0s **¶11513607**
NEIC XII 19 07 30 06.0 32.54S 72.02W 12 5.2b,5.1L
ISCJB XII 19 07 30 06.8–.91 32.52S–.03 71.97W–.04 21–6 5.1b,5.0s
BJI XII 19 07 30 08.5 32.39S 72.02W 33 5.6s,5.2b
MOS XII 19 07 30 09.1–1.3 32.42S 71.79W 35 5.3b,5.2b
IDC XII 19 07 30 09.6–.39 32.52S 71.84W 32–2 4.9s,4.9
GCMT XII 19 07 30 11.8–.20 32.66S 72.24W 22–0 5.4W,4.9
ISC Event type fe.
GUC Error ellipse: s-maj=16.3km s-min=25.0km az=-1.0.
NEIC Event type fe. Felt [III] at La Ligua, Papudo, Valparaiso, Vina del Mar and Zapallar; [II] at Curacavi, San Antonio and Santiago. After GUC.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.2km az=139.2.
MOS Error ellipse: s-maj=15.1km s-min=7.1km az=106.5.
IDC Error ellipse: s-maj=16.7km s-min=10.8km az=74.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c107; s88,c143; Moment tensor: Scale 10^{17}Nm; M_{rr}0.95±.03 $M_{\theta\theta}$0.06±.02; $M_{\phi\phi}$-1.01±.02; $M_{r\theta}$0.02±.03; $M_{\theta\phi}$0.01±.01; $M_{\phi r}$-1.17±.05; Best double couple: NP1:ϕ_s359.00000°,δ20.00000°,λ90.00000°. NP2:ϕ_s179.00000°,δ70.00000°,λ90.00000°. Principal axes: T 1.4900,Plg65.0000°,Azm89.0000°; N 0.0600,Plg0.0000°,Azm179.0000°; P -1.5600,Plg25.0000°,Azm269.0000° M_o1.50000×10^{17}
GUC XII 19 07 37 16.7–.67 32.58S 71.98W 27–4 3.8,3.2L
¶14239044
GUC Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0.
ISC XII 19 07 56 05.5–.76 32.56S–.02 71.96W–.04 17–4 4.3b 68 0-156
IDC XII 19 07 56 02.8–.71 32.51S 71.80W 0 4.3,4.3b **¶12078165**
ISCJB XII 19 07 56 05.9–.72 32.55S–.03 72.00W–.06 34–7 4.3b,4.3b
GUC XII 19 07 56 06.1–.85 32.58S 71.94W 15–5 4.3L,4.3
NEIC XII 19 07 56 07.7–2.6 32.51S 71.91W 34–17 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=19.0km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.3km az=171.2.
GUC Error ellipse: s-maj=1.6km s-min=6.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.0km az=86.0.
ISC XII 19 08 08 51.8–.88 32.46S–.03 71.99W–.06 16–4 4.2b 50 1-165
IDC XII 19 08 08 48.8–.86 32.68S 71.79W 0 4.2b,4.2 **¶12078168**
NEIC XII 19 08 08 49.2–.62 32.46S 72.47W 10 4.4b,4.2
ISCJB XII 19 08 08 51.6–.99 32.47S–.03 72.13W–.08 34–9 4.2b,4.2
GUC XII 19 08 08 52.5–.50 32.47S 71.94W 26–3 3.9L,4.2
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=24.9km az=94.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.1km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=4.9km az=177.2.
GUC Error ellipse: s-maj=0.9km s-min=2.6km az=-1.0.
ISC XII 19 08 25 47.7–.94 32.55S–.03 71.92W–.06 17–5 4.3b 52 1-156
IDC XII 19 08 25 44.9–.88 32.53S 71.75W 0 4.4,4.4b **¶12078171**
ISCJB XII 19 08 25 46.9–.88 32.55S–.03 71.99W–.06 26–5 4.3b,4.4b
GUC XII 19 08 25 48.1–.79 32.58S 71.89W 27–3 4.0L,4.4b
NEIC XII 19 08 25 49.3–3.0 32.53S 71.95W 32–20 4.2b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=20.4km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.4km az=165.6.
GUC Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=8.2km az=89.0.
GUC XII 19 08 48 35.2–.65 32.57S 71.84W 20–13 3.6L
¶14239048
GUC Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0.
ISC XII 19 09 25 13.9–.90 32.54S–.03 71.84W–.06 15–4 4.1b 44 1-156
IDC XII 19 09 25 11.3–1.9 32.59S 71.65W 0 4.3b,4.0 **¶12078177**
ISCJB XII 19 09 25 12.9–1.1 32.53S–.03 71.93W–.07 18–6 4.1b,4.0
NEIC XII 19 09 25 14.6–2.8 32.56S 72.05W 29–19 3.6b,4.0
GUC XII 19 09 25 15.3–.65 32.58S 71.69W 3–2 3.7L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=73.8km s-min=30.1km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=4.8km az=166.8.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=9.8km az=96.0.
GUC Error ellipse: s-maj=1.5km s-min=3.0km az=-1.0.
ISC XII 19 09 36 08.2–.09 32.42S–.02 71.72W–.03 37 5.5s,5.5b 804 0-178
IDC XII 19 09 36 01.9–.37 32.38S 71.78W 0 5.5s,5.4 **¶11513615**
GUC XII 19 09 36 04.9–.75 32.46S 71.95W 32–2 5.8L,5.4
NEIC XII 19 09 36 04.9 32.46S 71.95W 32 5.8L,5.6W
ISCJB XII 19 09 36 06.3–.09 32.42S–.02 71.84W–.03 35 5.5s,5.5b
BJI XII 19 09 36 06.3 32.57S 71.45W 33 5.8s,5.7b
MOS XII 19 09 36 06.6–1.0 32.30S 71.70W 33 5.7b,5.3s
GCMT XII 19 09 36 08.8–.10 32.56S 72.10W 23 5.7W,5.3s
DJA XII 19 09 36 19 32.62S 71.66W 121 5.4b,5.3s
ISC Event type fe.
IDC Error ellipse: s-maj=17.2km s-min=11.5km az=76.0.
GUC Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0.
NEIC Event type fe. Felt [V] at Papudo and Zapallar; [IV] at La Ligua, Puchuncavi, Valparaiso and Vina del Mar; [III] at San Antonio, San Felipe and Santiago; [II] at Illapel, Los Vilos, Melipilla, Rancagua, Salamanca and San Jose de Maipo. Also felt at Paine. After GUC. Moment Tensor Solution. s15 Moment tensor: Scale 10^{17}Nm; M_{rr}2.62 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-2.17 $M_{r\theta}$-0.80 $M_{\theta\phi}$0.63 $M_{\phi r}$-1.87 Best double couple: NP1:ϕ_s328.00000°,δ31.00000°,λ58.00000°. NP2:ϕ_s184.00000°,δ64.00000°,λ108.00000°. Principal axes: T 3.5000,Plg66.0000°,Azm125.0000°; N -0.6400,Plg15.0000°,Azm356.0000°; P -2.8600,Plg17.0000°,Azm261.0000° M_o3.20000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.0km az=150.5.
MOS Error ellipse: s-maj=13.7km s-min=6.6km az=99.8.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 99, comp=190, per= 50. Moment Tensor Solution. s86,c151; s42,c45; Moment tensor: Scale 10^{17}Nm; M_{rr}2.83±.05 $M_{\theta\theta}$0.16±.04; $M_{\phi\phi}$-2.99±.04; $M_{r\theta}$0.61±.07; $M_{\theta\phi}$0.17±.03; $M_{\phi r}$-3.84±.12; Best double couple: NP1:ϕ_s2.00000°,δ19.00000°,λ100.00000°. NP2:ϕ_s172.00000°,δ72.00000°,λ87.00000°. Principal axes: T 4.7900,Plg63.0000°,Azm77.0000°; N 0.1500,Plg3.0000°,Azm173.0000°; P -4.9300,Plg27.0000°,Azm265.0000° M_o4.90000×10^{17}
GUC XII 19 10 11 44.8–.48 32.57S 71.85W 15–2 3.5,3.3L
¶14239052
GUC Error ellipse: s-maj=0.9km s-min=2.7km az=-1.0.
ISC XII 19 10 48 59.1–.85 32.47S–.03 71.96W–.05 17–5 4.0b 45 1-156
IDC XII 19 10 48 56.5–2.0 32.50S 71.87W 0 3.9b,3.8s **¶12078201**
NEIC XII 19 10 48 57.7–4.5 32.44S 72.28W 14–28 3.8b,3.8s
ISCJB XII 19 10 48 58.3–.87 32.47S–.03 72.04W–.06 22–5 4.0b,3.8s
GUC XII 19 10 48 59.8–.87 32.50S 71.85W 6–4 4.0,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=110.8km s-min=28.2km az=99.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=9.5km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.4km az=176.2.
GUC Error ellipse: s-maj=2.4km s-min=5.9km az=-1.0.
GUC XII 19 11 07 58.1–.84 32.48S 71.92W 27–4 3.5,3.3L
¶14239053
GUC Error ellipse: s-maj=1.7km s-min=3.8km az=-1.0.
ISC XII 19 11 43 21.0–.81 32.58S–.03 71.94W–.05 15–4 4.1b 53 1-156
IDC XII 19 11 43 18.6–1.2 32.53S 71.74W 0 4.2b,4.2 **¶12078208**
ISCJB XII 19 11 43 20.0–.86 32.59S–.03 72.04W–.06 22–5 4.1b,4.2
GUC XII 19 11 43 21.9–.68 32.59S 71.92W 15–4 4.1L,4.1

NEIC XII 19 11 43 22.3–2.9 32.54S 72.00W 28–19 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=41.3km s-min=27.8km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.3km az=164.3.
GUC Error ellipse: s-maj=1.3km s-min=5.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.5km az=89.0.
ISC XII 19 12 24 05.9–.79 32.44S–.02 71.92W–.05 17–4 4.1b 59 1-156
IDC XII 19 12 24 02.8–.79 32.45S 71.81W 0 4.2L,4.2 **¶12078210**
ISCJB XII 19 12 24 06.3–.80 32.43S–.03 71.97W–.07 35–8 4.1b,4.2
GUC XII 19 12 24 06.6–.75 32.46S 71.89W 26–4 4.1L,4.1
NEIC XII 19 12 24 08.3–1.2 32.40S 71.88W 37–10 4.0b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=22.4km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.4km az=173.8.
GUC Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=8.3km az=91.0.
ISC XII 19 13 57 31.6–.64 32.53S–.03 71.71W–.04 27–4 5.0b,4.7s 551 0-178
IDC XII 19 13 57 26.4–.41 32.59S 71.72W 0 4.9,4.9b **¶11513629**
ISCJB XII 19 13 57 30.8–.68 32.51S–.03 71.76W–.04 33–4 5.0b,4.7s
NEIC XII 19 13 57 30.0 32.58S 71.85W 14 5.1b,5.1L
GUC XII 19 13 57 30.4–.53 32.58S 71.85W 14–4 5.1L,5.1L
MOS XII 19 13 57 31.0–1.0 32.40S 71.70W 33 5.3b,5.0s
BJI XII 19 13 57 31.3 32.50S 71.60W 27 5.4s,5.2b
GCMT XII 19 13 57 36.4–.30 32.68S 71.97W 24–2 5.2W,5.2b
DJA XII 19 13 58 01 33.11S 71.49W 271 4.8b,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=12.7km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.1km az=148.0.
NEIC Event type fe. Felt [III] at Papudo, Punchuncavi, Valparaiso and Vina del Mar; [II] at Quillota, San Antonio and Santiago. Also felt at Llaillay, Quilpue and Villa Alemana. After GUC.
GUC Error ellipse: s-maj=1.3km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=16.4km s-min=7.9km az=104.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c64; s54,c64; Moment tensor: Scale 10^{16}Nm; M_{rr}3.40±.28 $M_{\theta\theta}$2.46±.24; $M_{\phi\phi}$-5.86±.24; $M_{r\theta}$1.98±.43; $M_{\theta\phi}$1.20±.17; $M_{\theta r}$-6.78±.76; Best double couple: NP1:ϕ_s11.00000°,δ19.00000°,λ118.00000°. NP2:ϕ_s162.00000°,δ74.00000°,λ81.00000°. Principal axes: T 7.2900,Plg60.0000° ,Azm59.0000°; N 2.4800,Plg9.0000°,Azm165.0000°; P -9.7600,Plg28.0000°,Azm259.0000° M_o8.50000×10^{16}
GUC XII 19 14 10 34.7–.60 32.59S 71.83W 15–4 3.6,3.1L
¶14239055
GUC Error ellipse: s-maj=1.4km s-min=4.4km az=-1.0.
GUC XII 19 15 33 15.8–.55 32.47S 71.88W 26–3 3.7,3.5L
¶14239056
GUC Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0.
ISC XII 19 16 48 50.4–.82 32.59S–.03 71.90W–.04 15–4 4.9b,4.7s 465 0-176
IDC XII 19 16 48 46.5–.42 32.56S 71.94W 0 4.8b,4.8 **¶11513635**
ISCJB XII 19 16 48 48.9–1.5 32.55S–.03 71.97W–.04 14–9 4.9b,4.7s
NEIC XII 19 16 48 50.2 32.61S 71.99W 13 5.0b,4.9L
GUC XII 19 16 48 50.2–.41 32.61S 71.99W 13–4 4.9L,4.9L
MOS XII 19 16 48 50.9–1.2 32.56S 71.89W 33 5.3b,4.9L
BJI XII 19 16 48 52.1 32.50S 71.80W 26 5.2s,5.2b
GCMT XII 19 16 48 53.6–.20 32.60S 72.25W 29–1 5.2W,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=12.0km az=83.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=3.5km az=139.1.
NEIC Event type fe. Felt [III] at La Ligua and [II] at Cabildo, Casablanca, San Antonio, Santiago, Valparaiso and Vina del Mar. After GUC.
GUC Error ellipse: s-maj=0.9km s-min=4.5km az=-1.0.
MOS Error ellipse: s-maj=16.6km s-min=7.7km az=105.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s47,c59; s66,c91; Moment tensor: Scale 10^{16}Nm; M_{rr}4.93±.24 $M_{\theta\theta}$0.57±.16; $M_{\phi\phi}$-5.50±.18; $M_{r\theta}$-0.08±.22; $M_{\theta\phi}$0.44±.12; $M_{\theta r}$-4.97±.27; Best double couple: NP1:ϕ_s351.00000°,δ23.00000°,λ82.00000°. NP2:ϕ_s180.00000°,δ67.00000°,λ93.00000°. Principal axes: T 6.9300,Plg68.0000° ,Azm96.0000°; N 0.5800,Plg3.0000°,Azm358.0000°; P -7.5100,Plg22.0000°,Azm267.0000° M_o7.20000×10^{16}
GUC XII 19 17 32 09.7–.57 32.58S 71.76W 11–4 3.8,3.3L
¶14239058
GUC Error ellipse: s-maj=1.2km s-min=4.2km az=-1.0.
ISC XII 19 17 43 25.6–1.0 32.61S–.03 71.87W–.07 21–6 4.0b 50 0-156
IDC XII 19 17 43 21.9–1.1 32.63S 71.86W 0 4.2L,4.1b **¶12078231**
ISCJB XII 19 17 43 25.0–1.0 32.60S–.03 71.92W–.08 30–6 4.0b,4.1b
NEIC XII 19 17 43 26.1 32.61S 71.83W 30 4.2L,3.7b
GUC XII 19 17 43 26.1–.66 32.61S 71.83W 30–6 4.2L,3.7b
ISC Event type fe.
IDC Error ellipse: s-maj=35.6km s-min=27.3km az=92.0.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=5.1km az=165.2.
NEIC Event type fe. Felt [II] at Petorca and Puchuncavi. After GUC.
GUC Error ellipse: s-maj=1.8km s-min=4.0km az=-1.0.
GUC XII 19 18 13 37.6–.66 32.39S 71.64W 50–9 4.1,3.8L
¶14239059
GUC Error ellipse: s-maj=2.2km s-min=3.4km az=-1.0.
GUC XII 19 18 26 24.7–.50 32.62S 71.81W 15–999 4.1,3.6L
¶14239060
GUC Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0.
ISC XII 19 19 25 54.7–.81 32.54S–.03 71.79W–.05 26–5 4.7b,4.6s 136 1-176
IDC XII 19 19 25 50.6–.53 32.53S 71.64W 0 4.7,4.6 **¶11513640**
ISCJB XII 19 19 25 53.7–.86 32.55S–.03 71.88W–.05 32–6 4.7b,4.6s
GUC XII 19 19 25 54.7–.83 32.58S 71.81W 14–8 4.9L,4.6s
MOS XII 19 19 25 54.8–1.2 32.52S 71.74W 33 5.1b,4.6s
NEIC XII 19 19 25 54.1–1.0 32.50S 71.75W 23–7 4.9b,4.9L
BJI XII 19 19 25 58.0 32.50S 71.60W 45 5.2s,5.0b
ISC Event type fe.
IDC Error ellipse: s-maj=26.5km s-min=16.1km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.7km az=151.5.
GUC Error ellipse: s-maj=2.4km s-min=8.5km az=-1.0.
MOS Error ellipse: s-maj=18.1km s-min=8.5km az=103.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.0km az=75.0. Felt [III] at Cabildo, Casablanca, La Ligua, Melipilla, Quillota, Valparaiso and Vina del Mar; [II] at La Calera, Rancagua and Santiago. Also felt at Limache.
GUC XII 19 19 47 13.7–.49 32.62S 71.67W 3–1 3.8,3.1L
¶14239061
GUC Error ellipse: s-maj=1.4km s-min=2.3km az=-1.0.
GUC XII 19 19 52 57.5–.64 32.49S 71.82W 7–3 3.8,3.1L
¶14239062
GUC Error ellipse: s-maj=1.8km s-min=5.6km az=-1.0.
GUC XII 19 20 57 31.0–.53 32.63S 71.94W 6–2 3.8L
¶14239063
GUC Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.
ISC XII 19 21 33 10.6–.99 32.55S–.03 71.98W–.05 17–6 4.1b 71 1-156
IDC XII 19 21 33 07.2–.75 32.46S 71.99W 0 4.2,4.2L **¶12078254**
ISCJB XII 19 21 33 09.8–.92 32.55S–.03 72.07W–.06 27–5 4.1b,4.2L
GUC XII 19 21 33 10.7–.54 32.55S 71.96W 32–2 4.4L,4.2L
NEIC XII 19 21 33 10.7 32.55S 71.96W 32 4.4L,3.9b
ISC Event type fe.
IDC Error ellipse: s-maj=31.7km s-min=17.7km az=93.0.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=4.4km az=172.7.
GUC Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0.
NEIC Event type fe. Felt [II] at La Ligua, Santiago, Valparaiso and Vina del Mar. After GUC.
ISC XII 20 01 44 27.1–.80 32.58S–.02 71.88W–.05 22–5 4.4b,4.0s 81 0-156
IDC XII 20 01 44 23.6–.76 32.64S 71.77W 0 4.5L,4.4 **¶12078274**
ISCJB XII 20 01 44 26.1–.73 32.58S–.02 71.96W–.05 28–4 4.4b,4.0s
NEIC XII 20 01 44 27.0 32.60S 71.80W 33 4.8L,4.5b
GUC XII 20 01 44 27.7–.48 32.61S 71.81W 33–2 4.8L,4.5b
ISC Event type fe.
IDC Error ellipse: s-maj=25.9km s-min=21.4km az=37.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=3.8km az=166.0.
NEIC Event type fe. Felt [III] at La Ligua, Papudo, Valparaiso and Zapallar; [II] at Chacabuco, Melipilla, Puchuncavi, Quintero and Rancagua. After GUC.
GUC Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0.
GUC XII 20 02 46 26.7–.96 32.61S 71.71W 3–3 3.6,2.6L
¶14239069
GUC Error ellipse: s-maj=2.5km s-min=4.4km az=-1.0.
ISC XII 20 03 12 21.4–.90 32.56S–.03 71.94W–.05 19–5 4.0b 83 0-156
IDC XII 20 03 12 18.7–1.2 32.53S 71.73W 0 4.0L,3.9b **¶12078281**
ISCJB XII 20 03 12 20.3–.81 32.56S–.03 72.02W–.05 25–5 4.0b,3.9b
GUC XII 20 03 12 23.1–.65 32.62S 71.84W 15–8 3.9L,3.9b
NEIC XII 20 03 12 23.1 32.62S 71.84W 15 4.1b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=24.6km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.9km az=158.6.
GUC Error ellipse: s-maj=2.6km s-min=7.2km az=-1.0.
NEIC Event type se. After GUC.
GUC XII 20 03 16 12.6–.58 32.65S 71.98W 8–3 3.8,3.4L
¶14239070
GUC Error ellipse: s-maj=1.4km s-min=4.6km az=-1.0.
GUC XII 20 05 52 35.4–.55 32.53S 72.00W 26–3 3.9,3.5L
¶14239072
GUC Error ellipse: s-maj=1.3km s-min=2.5km az=-1.0.
GUC XII 20 06 50 05.2–.56 32.61S 71.91W 15–4 4.0,3.3L
¶14239074
GUC Error ellipse: s-maj=1.1km s-min=4.4km az=-1.0.
GUC XII 20 07 05 18.1–.56 32.61S 71.79W 14–4 3.7,2.6L
¶14239075
GUC Error ellipse: s-maj=1.2km s-min=3.7km az=-1.0.
ISC XII 20 12 50 05.4–.87 32.61S–.03 71.93W–.06 19–4 4.1b 50 0-156
IDC XII 20 12 50 01.9–.89 32.64S 71.89W 0 4.2b,4.1 **¶12078331**
ISCJB XII 20 12 50 05.4–.80 32.61S–.03 71.99W–.07 34–7 4.1b,4.1
NEIC XII 20 12 50 06.9–2.8 32.58S 72.03W 34–19 3.5b,4.1
GUC XII 20 12 50 06.3–.62 32.60S 71.84W 30–3 4.2,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=21.4km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.1km az=170.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=8.4km az=91.0.
GUC Error ellipse: s-maj=1.8km s-min=4.1km az=-1.0.
GUC XII 20 13 05 25.2–.50 32.60S 71.85W 15–31 4.2,3.6L
¶14239076
GUC Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0.
ISC XII 20 19 49 58.3–1.2 32.54S–.04 71.92W–.07 14–6 34 0-153
IDC XII 20 19 49 53.1–2.9 32.76S 72.01W 0 4.0b,3.8L **¶12078377**
ISCJB XII 20 19 49 58.2–1.2 32.53S–.04 71.96W–.08 21–7 4.0b,3.8L
GUC XII 20 19 49 58.7–.68 32.54S 71.92W 13–5 4.2,4.1L
IDC Error ellipse: s-maj=79.5km s-min=70.7km az=126.0.
ISCJB Error ellipse: s-maj=12.0km s-min=5.5km az=157.4.
GUC Error ellipse: s-maj=1.3km s-min=5.5km az=-1.0.
GUC XII 21 15 01 52.9–.62 32.47S 71.84W 10–6 3.5,2.5L
¶14239090
GUC Error ellipse: s-maj=1.6km s-min=6.8km az=-1.0.
GUC XII 21 16 27 57.0–.46 32.03S 71.61W 28–2 3.6,3.2L
¶14239091
GUC Error ellipse: s-maj=1.9km s-min=3.8km az=-1.0.
GUC XII 22 15 16 17.7–.79 32.48S 71.85W 10–7 3.8,3.0L
¶14239099
GUC Error ellipse: s-maj=2.1km s-min=8.8km az=-1.0.
GUC XII 22 20 16 42.2–.81 32.48S 71.99W 15–7 3.5,3.1L
¶14239100
GUC Error ellipse: s-maj=1.9km s-min=8.5km az=-1.0.
GUC XII 23 00 12 00.0–.74 32.47S 71.81W 15–5 3.5,2.9L
¶14239102
GUC Error ellipse: s-maj=1.4km s-min=4.4km az=-1.0.
GUC XII 23 06 24 39.3–.83 32.47S 71.96W 10–6 3.7,3.2L
¶14239105
GUC Error ellipse: s-maj=1.9km s-min=6.5km az=-1.0.
ISC XII 23 22 59 16.0–.95 32.58S–.03 71.99W–.06 16–5 4.1b 73 1-156
IDC XII 23 22 59 13.1–1.5 32.55S 71.97W 0 4.3b,4.1L **¶12078746**
ISCJB XII 23 22 59 15.0–.97 32.58S–.04 72.09W–.06 23–5 4.1b,4.1L
GUC XII 23 22 59 17.6–.83 32.62S 71.85W 6–4 4.3L,4.3
NEIC XII 23 22 59 17.6 32.62S 71.85W 6 4.3L,3.8b
ISC Event type fe.
IDC Error ellipse: s-maj=53.8km s-min=23.4km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=4.9km az=156.6.
GUC Error ellipse: s-maj=2.2km s-min=6.1km az=-1.0.
NEIC Event type fe. Felt [II] at La Ligua, Papudo and Puchuncavi. After GUC.
ISC XII 24 03 39 52.3–.57 31.84S–.02 71.60W–.10 57–5 4.1b,3.6s 66 0-155
IDC XII 24 03 39 44.5–1.2 31.96S 71.41W 0 4.4L,4.3 **¶12078764**
ISCJB XII 24 03 39 51.2–.57 31.84S–.02 71.61W–.10 66–5 3.9b,4.3
NEIC XII 24 03 39 52.4 31.87S 71.51W 50 4.1b,4.3
GUC XII 24 03 39 52.4–.59 31.87S 71.51W 50–2 4.3L,4.3
ISC Event type fe.
IDC Error ellipse: s-maj=42.2km s-min=34.9km az=160.0.
ISCJB Event type fe. Error ellipse: s-maj=13.6km s-min=3.7km az=175.7.
NEIC Event type fe. Felt [IV] at Canela, Illapel and Salamanca; [III] at Los Vilos; [II] at Cabildo, Papudo and Petorca. After GUC.
GUC Error ellipse: s-maj=1.3km s-min=4.4km az=-1.0.
GUC XII 24 04 51 05.7–.71 32.50S 71.82W 10–4 3.5,2.7L
¶14239110
GUC Error ellipse: s-maj=1.4km s-min=4.4km az=-1.0.
GUC XII 25 06 40 56.1–.72 32.59S 71.84W 6–5 3.8,3.1L
¶14239118
GUC Error ellipse: s-maj=2.2km s-min=7.3km az=-1.0.
GUC XII 25 07 18 24.1–.49 32.49S 71.85W 15–3 3.9,3.3L
¶14239119
GUC Error ellipse: s-maj=1.0km s-min=3.1km az=-1.0.
GUC XII 25 08 06 36.3–.69 34.44S 72.39W 34–2 3.8,2.9L
NEIC XII 25 08 06 36.3 34.44S 72.39W 34 2.9L,2.9L **¶13837253**
GUC Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
NEIC Event type se. After GUC.
GUC XII 25 10 44 59.6–.59 32.62S 71.97W 14–6 3.7,2.8L
¶14239123
GUC Error ellipse: s-maj=1.4km s-min=5.5km az=-1.0.
GUC XII 25 20 21 57.5–.50 32.47S 71.86W 15–999 3.7,3.0L
¶14239125
GUC Error ellipse: s-maj=3.6km s-min=5.9km az=-1.0.
GUC XII 28 01 09 21.8–.81 32.46S 71.83W 14–6 3.7,3.1L
NEIC XII 28 01 09 21.8 32.46S 71.83W 14 3.1L,3.1L **¶13837301**
GUC Error ellipse: s-maj=1.6km s-min=5.3km az=-1.0.
NEIC Event type se. After GUC.
GUC XII 28 03 40 20.7–.82 32.24S 71.75W 25–6 3.7,3.1L
NEIC XII 28 03 40 20.7 32.24S 71.75W 25 3.1L,3.1L **¶13837302**
GUC Error ellipse: s-maj=2.1km s-min=4.8km az=-1.0.
NEIC Event type se. After GUC.
GUC XII 28 04 10 06.9–.76 32.22S 71.41W 8–8 3.6,2.2L
¶14239138
GUC Error ellipse: s-maj=2.3km s-min=14.7km az=-1.0.
GUC XII 28 07 17 29.9–.91 32.23S 71.72W 27–15 3.5,2.5L
NEIC XII 28 07 17 29.9 32.23S 71.72W 27 2.5L,2.5L **¶14239141**
GUC Error ellipse: s-maj=3.5km s-min=7.8km az=-1.0.
NEIC Event type se. After GUC.
GUC XII 28 07 54 58.9–.67 32.23S 71.72W 33–5 3.6,2.6L
NEIC XII 28 07 54 58.9 32.23S 71.72W 33 2.6L,2.6L **¶13837310**
GUC Error ellipse: s-maj=2.2km s-min=5.2km az=-1.0.
NEIC Event type se. After GUC.
GUC XII 28 16 14 40.2–.64 32.85S 71.97W 25–7 3.5,2.9L
¶14239145
GUC Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0.
GUC XII 28 16 54 17.8–.74 31.78S 71.43W 31–1 3.9,3.5L
¶14239146
GUC Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
ISC XII 29 01 24 30.4–1.3 36.31S–.03 73.02W–.07 30–9 4.3b,3.8s 65 1-159
NEIC XII 29 01 24 29.9 36.33S 72.98W 41 4.4b,3.8s **¶11625128**
GUC XII 29 01 24 29.9–.93 36.33S 72.98W 41–3 4.8L,3.8s
ISCJB XII 29 01 24 30.3–.85 36.32S–.03 72.96W–.10 47–7 4.3b,3.8s
IDC XII 29 01 24 34.0–3.1 36.37S 72.64W 56–25 4.0L,4.0

ISC Event type se.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.0km s-min=5.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=5.2km az=6.7.
IDC Error ellipse: s-maj=28.9km s-min=18.8km az=93.0.
GUC XII 29 04 00 04.8–.76 32.50S 71.78W 6–3 4.0,3.1L
NEIC XII 29 04 00 04.8 32.50S 71.78W 6 3.1L,3.1L **¶13837328**
GUC Error ellipse: s-maj=2.1km s-min=5.5km az=-1.0.
NEIC Event type se. After GUC.
GUC XII 30 07 17 59.8–.57 31.84S 71.21W 49–3 3.7,3.1L
¶14239159
GUC Error ellipse: s-maj=1.0km s-min=3.7km az=-1.0.
GUC XII 30 08 36 51.0–.65 32.65S 71.65W 20–16 3.5,3.0L
¶14239160
GUC Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0.

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GUC VII 03 19 35 17.0–.43 35.08S 71.19W 99–2 4.2L
NEIC VII 03 19 35 17.3 35.07S 71.19W 97 4.2 **¶12950974**
GUC Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
NEIC Event type se. After GUC.
ISC VII 05 17 42 33.7–.63 28.17S–.04 70.5W–.10 68–9 4.2b 31 1-152
IDC VII 05 17 42 31.8–.88 27.81S 70.73W 61–5 4.2b,3.9 **¶11810718**
GUC VII 05 17 42 33.2–.66 28.18S 70.49W 70–7 4.5L,4.3
NEIC VII 05 17 42 33.2 28.18S 70.49W 70 4.3,4.3
ISC Event type fe.
IDC Error ellipse: s-maj=31.1km s-min=14.0km az=68.0.
GUC Error ellipse: s-maj=3.6km s-min=31.6km az=-1.0.
NEIC Event type fe. Felt [III] at Copiapo. After GUC.
GUC VII 10 16 13 52.2–.76 35.90S 71.42W 113–5 3.6L,3.3
NEIC VII 10 16 13 52.2 35.90S 71.42W 113 3.3,3.3 **¶12951182**
GUC Error ellipse: s-maj=4.1km s-min=11.0km az=-1.0.
NEIC Event type se. After GUC.
ISC VII 25 12 13 08.5–1.7 28.20S–.02 70.95W–.06 27–12 5.0b,4.4s 593 1-177
ISCJB VII 25 12 13 03.5–1.6 28.14S–.03 70.94W–.06 15–12 5.0b,4.4s **¶11153724**
IDC VII 25 12 13 03.6–.61 28.31S 71.11W 0 4.6b,4.6
NEIC VII 25 12 13 07.8–1.0 28.18S 70.98W 23–7 5.1b,5.0L
GUC VII 25 12 13 08.3–.87 28.30S 71.32W 30–7 5.0L,5.0L
MOS VII 25 12 13 08.3–1.0 27.99S 70.94W 33 5.3b,5.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=4.4km az=175.3.
IDC Error ellipse: s-maj=26.2km s-min=17.1km az=55.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.0km az=73.0. Felt [IV] at Vallenar; [III] at Alto del Carmen, Caldera, Copiapo, Freirina, Huasco and Tierra Amarilla; [II] at La Higuera.
GUC Error ellipse: s-maj=2.5km s-min=10.5km az=-1.0.
MOS Error ellipse: s-maj=15.1km s-min=8.0km az=107.4.
ISC VIII 17 08 01 52.4–.44 40.53S–.04 72.22W–.06 10 4.3b,3.8s 31 0-152
ISCJB VIII 17 08 01 50.8–.44 40.48S–.04 72.16W–.06 10 4.3b,3.8s **¶11908347**
IDC VIII 17 08 01 51.0–.70 40.51S 71.83W 0 4.3,4.3
NEIC VIII 17 08 01 51.5 40.47S 72.22W 9 4.7b,4.2L
GUC VIII 17 08 01 51.5–.29 40.47S 72.22W 9–0 4.2L,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.5km az=40.4.
IDC Error ellipse: s-maj=32.4km s-min=18.8km az=91.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=3.4km s-min=2.9km az=-1.0.
GUC VIII 18 08 36 22.2–.58 35.95S 71.59W 102–4 3.7,3.5L
NEIC VIII 18 08 36 22.1 35.94S 71.59W 100 3.7,3.5L **¶12100033**
GUC Error ellipse: s-maj=2.7km s-min=5.1km az=-1.0.
NEIC Event type se. After GUC.
ISC VIII 28 22 23 03.4–.30 35.17S–.03 71.03W–.05 116–3 4.0b 84 1-93
ISCJB VIII 28 22 23 02.3–.30 35.18S–.03 71.01W–.06 121–3 4.0b **¶11909034**
NEIC VIII 28 22 23 03.2 35.15S 71.07W 119 4.2b
GUC VIII 28 22 23 03.2–.59 35.15S 71.07W 119–3 4.3L
IDC VIII 28 22 23 04.2–2.2 35.18S 70.76W 113–22 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.0km az=16.8.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.9km s-min=7.0km az=-1.0.
IDC Error ellipse: s-maj=34.8km s-min=12.2km az=96.0.
GUC IX 11 05 57 30.0–.91 36.07S 71.94W 70–8 3.5L
NEIC IX 11 05 57 30.0 36.07S 71.94W 70 3.5 **¶12951999**
GUC Error ellipse: s-maj=3.2km s-min=7.2km az=-1.0.
NEIC Event type se. After GUC.
ISC IX 20 04 00 23.9–.18 29.43S–.02 70.55W–.07 69 4.4b 374 0-176
ISCJB IX 20 04 00 22.0–.17 29.41S–.02 70.53W–.07 67 4.4b **¶11282320**
GUC IX 20 04 00 22.2–.86 29.38S 70.83W 68–6 4.8L
IDC IX 20 04 00 23.4–.46 29.36S 70.80W 69–3 4.2,4.2
BJI IX 20 04 00 23.3 29.40S 70.60W 77 5.2s,5.0
NEIC IX 20 04 00 23.3–.15 29.40S 70.61W 68 4.6b,5.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=2.4km az=176.3.
GUC Error ellipse: s-maj=2.9km s-min=16.0km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=8.5km az=50.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=3.2km az=85.0. Felt [IV] at Alto del Carmen and [III] at Coquimbo, La Serena, Vallenar and Vicuna.
ISC IX 27 05 34 59.4–.33 36.35S–.03 71.11W–.08 127–4 4.5b 96 1-158
ISCJB IX 27 05 34 58.3–.33 36.35S–.03 71.12W–.08 133–4 4.4b **¶11911161**
NEIC IX 27 05 34 58.9 36.28S 71.38W 140 4.7b
GUC IX 27 05 34 58.9–.72 36.28S 71.38W 140–3 4.9L
IDC IX 27 05 35 00.5–1.6 36.34S 70.75W 125–13 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=4.1km az=14.3.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=3.0km s-min=8.0km az=-1.0.
IDC Error ellipse: s-maj=34.4km s-min=9.0km az=101.0.
ISC X 02 07 43 05.5–.49 35.22S–.05 71.3W–.10 95–5 3.5b 34 0-84
ISCJB X 02 07 43 04.5–.49 35.24S–.05 71.2W–.10 100–5 3.5b **¶11911696**
GUC X 02 07 43 04.6–.84 35.22S 71.30W 103–5 4.2L
IDC X 02 07 43 05.0–2.8 35.26S 71.17W 87–26 3.6b,3.5
ISCJB Error ellipse: s-maj=20.1km s-min=4.5km az=22.2.
GUC Error ellipse: s-maj=4.2km s-min=10.5km az=-1.0.
IDC Error ellipse: s-maj=39.7km s-min=16.7km az=101.0.
GUC X 26 05 32 29.9–.47 28.39S 70.37W 46–2 3.9L,3.7
¶13932659
GUC Error ellipse: s-maj=1.3km s-min=5.6km az=-1.0.
ISC XI 13 04 38 15.0–.73 37.06S–.04 73.0W–.10 66–9 54 1-48
ISCJB XI 13 04 38 13.8–.74 37.06S–.04 73.0W–.10 76–8 **¶13399987**
GUC XI 13 04 38 15.1–.82 37.08S 72.95W 39–3 4.1L
NEIC XI 13 04 38 15.1 37.08S 72.95W 39 4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=5.3km az=10.0.
GUC Error ellipse: s-maj=2.3km s-min=6.0km az=-1.0.
NEIC Event type se. After GUC.
ISC XI 14 08 04 06.7–.64 28.10S–.04 70.7W–.20 50–10 26 0-152
ISCJB XI 14 08 04 06.0–.66 28.10S–.04 70.7W–.20 55–9 **¶11473022**
GUC XI 14 08 04 06.1–.54 28.10S 70.72W 47–6 4.3L,3.8
NEIC XI 14 08 04 06.1 28.10S 70.72W 47 3.8,3.8
IDC XI 14 08 05 43.1–5.4 17.99S 65.16W 551–34 2.6b,2.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=27.5km s-min=5.2km az=7.8.
GUC Error ellipse: s-maj=1.3km s-min=6.2km az=-1.0.
NEIC Event type fe. Felt [III] at Copiapo and Tierra Amarilla; [II] at Caldera and Chanaral. After GUC.
IDC Error ellipse: s-maj=277.4km s-min=33.2km az=19.0.
GUC XI 24 19 05 38.4–.66 35.91S 71.69W 88–3 3.5L,3.3
¶14125270
GUC Error ellipse: s-maj=2.6km s-min=4.8km az=-1.0.
GUC XI 25 15 57 49.9–.51 28.02S 70.56W 70–6 3.9L
¶14125608
GUC Error ellipse: s-maj=1.6km s-min=9.6km az=-1.0.
GUC XI 28 10 37 19.4–.72 28.01S 70.07W 91–8 4.1L
¶14126536
GUC Error ellipse: s-maj=2.1km s-min=11.2km az=-1.0.
GUC XII 25 12 09 38.0–.80 28.27S 70.78W 56–6 4.1L,3.4
NEIC XII 25 12 09 38.0 28.27S 70.78W 56 3.4,3.4 **¶13837258**
GUC Error ellipse: s-maj=2.7km s-min=11.7km az=-1.0.
NEIC Event type se. After GUC.

(137) San Juan Province.

GUC VII 01 01 19 30.9–.60 31.64S 68.92W 1–9 3.7,3.0L
¶13596281
GUC Error ellipse: s-maj=4.8km s-min=9.6km az=-1.0.
GUC VII 02 07 14 31.2–.90 31.19S 68.64W 130–71 3.5L
NEIC VII 02 07 14 31.2 31.19S 68.64W 130 3.5 **¶12950851**
GUC Error ellipse: s-maj=3.7km s-min=46.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 07 19 17 26.6–.78 31.46S 68.73W 144–0 3.8,3.4L
NEIC VII 07 19 17 26.6 31.46S 68.73W 144 3.8,3.4L **¶12951107**
GUC Error ellipse: s-maj=3.9km s-min=8.4km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 14 00 12 41.8–.73 31.41S 69.50W 150–12 3.6,3.3L
NEIC VII 14 00 12 41.8 31.41S 69.50W 150 4.2b,3.6 **¶12951297**
GUC Error ellipse: s-maj=1.9km s-min=11.0km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 17 04 23 45.0–.45 31.23S 68.63W 150–0 4.0L
NEIC VII 17 04 23 45.0 31.23S 68.63W 150 4.0 **¶12951397**
GUC Error ellipse: s-maj=2.1km s-min=3.6km az=-1.0.
NEIC Event type se. After GUC.
ISC VII 21 03 08 22.4–.45 31.53S–.03 69.08W–.05 94–4 4.7b 526 1-174
MOS VII 21 03 08 18.3–.84 31.45S 69.14W 71 5.0b **¶11134016**
ISCJB VII 21 03 08 21.0–.49 31.51S–.03 69.04W–.05 96–4 4.7b
NEIC VII 21 03 08 23.4 31.57S 69.40W 120 4.7b,4.7
IDC VII 21 03 08 23.6–.61 31.55S 69.19W 110–4 4.6,4.5
GUC VII 21 03 08 23.4–.75 31.57S 69.40W 120–0 4.7L,4.7
ISC Event type fe.
MOS Error ellipse: s-maj=17.6km s-min=9.2km az=105.9.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.7km az=161.1.
NEIC Event type fe. Felt [III] at San Juan. After GUC.
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=52.0.
GUC Error ellipse: s-maj=2.4km s-min=5.7km az=-1.0.
GUC VII 21 18 48 01.8–.92 31.20S 69.00W 140–0 4.1L,3.9
NEIC VII 21 18 48 01.8 31.20S 69.00W 140 4.0b,3.9 **¶12951535**
GUC Error ellipse: s-maj=6.0km s-min=7.6km az=-1.0.
NEIC Event type fe. Felt [II] at San Juan. After GUC.
GUC VII 24 04 02 17.5–.64 31.32S 68.82W 140–0 3.5L
NEIC VII 24 04 02 17.5 31.32S 68.82W 140 3.5 **¶12951630**
GUC Error ellipse: s-maj=2.5km s-min=5.1km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 28 05 47 57.8–.65 31.18S 68.93W 111–58 3.9,3.7L
NEIC VII 28 05 47 57.8 31.18S 68.93W 111 3.9,3.7L **¶12951719**
GUC Error ellipse: s-maj=2.5km s-min=28.5km az=-1.0.
NEIC Event type se. After GUC.
ISC VIII 04 04 28 24.0–.53 31.11S–.04 68.64W–.06 102–6 3.7b 44 1-153
ISCJB VIII 04 04 28 23.1–.54 31.12S–.04 68.64W–.06 109–6 3.7b **¶11907757**
NEIC VIII 04 04 28 23.2 31.04S 69.11W 151 3.9
IDC VIII 04 04 28 23.8–.77 31.27S 68.61W 106–6 3.8,3.7
GUC VIII 04 04 28 23.2–.69 31.04S 69.11W 151–21 4.0L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.1km az=9.8.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=31.3km s-min=19.5km az=67.0.
GUC Error ellipse: s-maj=5.6km s-min=15.5km az=-1.0.
ISC VIII 07 20 28 51.2–.58 31.79S–.05 69.40W–.07 108–8 45 1-151
ISCJB VIII 07 20 28 50.2–.58 31.80S–.05 69.39W–.07 114–8 **¶11907928**
NEIC VIII 07 20 28 50.9–.47 31.86S 69.32W 111–7 3.3
GUC VIII 07 20 28 50.4–.83 31.86S 69.73W 150–11 3.7L,3.3
IDC VIII 07 20 28 51.5–2.6 31.88S 69.17W 116–21 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=6.2km az=37.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.5km az=109.0.
GUC Error ellipse: s-maj=4.0km s-min=12.5km az=-1.0.
IDC Error ellipse: s-maj=60.6km s-min=37.7km az=76.0.
ISC VIII 17 15 25 57.7–.51 31.78S–.05 68.32W–.07 108–5 3.8b 52 0-153
GUC VIII 17 15 25 55.5–.77 31.60S 68.59W 145–0 4.0L,3.7 **¶11908359**
ISCJB VIII 17 15 25 56.8–.53 31.77S–.05 68.34W–.07 112–5 3.8b,3.7
IDC VIII 17 15 25 57.0–.80 31.83S 68.29W 104–4 3.9,3.8
NEIC VIII 17 15 25 57.5–.52 31.82S 68.32W 108–5 3.7b,3.7
ISC Event type se.
GUC Error ellipse: s-maj=5.2km s-min=6.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.3km az=32.4.
IDC Error ellipse: s-maj=29.2km s-min=19.8km az=69.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.3km az=109.0.
ISC VIII 18 13 28 13.3–.89 31.50S–.07 68.7W–.10 105–15 3.3b 32 2-151
IDC VIII 18 13 27 56.7–2.7 32.31S 68.98W 0 4.0L,3.9 **¶11908396**
NEIC VIII 18 13 28 12.6–.67 31.50S 68.60W 102–10 4.0b,3.9
GUC VIII 18 13 28 12.5–.62 31.39S 69.22W 150–0 3.7L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=94.1km s-min=50.9km az=34.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.9km az=79.0.
GUC Error ellipse: s-maj=3.5km s-min=4.9km az=-1.0.
GUC VIII 18 23 34 18.3–.86 31.47S 69.34W 157–15 3.5L
NEIC VIII 18 23 34 18.3 31.47S 69.34W 157 3.5 **¶12100044**
GUC Error ellipse: s-maj=1.9km s-min=15.6km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 21 13 21 20.6–.64 31.06S 69.47W 145–0 3.5L,3.4
NEIC VIII 21 13 21 20.6 31.06S 69.47W 145 3.4,3.4 **¶12100129**
GUC Error ellipse: s-maj=3.8km s-min=7.6km az=-1.0.
NEIC Event type se. After GUC.
ISC VIII 24 08 27 47.5–.44 31.56S–.03 69.47W–.05 111–6 3.5b 65 1-154
ISCJB VIII 24 08 27 46.4–.44 31.56S–.03 69.48W–.05 117–6 3.5b **¶11908687**
NEIC VIII 24 08 27 46.6 31.58S 69.87W 148 4.1
GUC VIII 24 08 27 46.6–.92 31.58S 69.87W 148–17 4.1L,3.5
IDC VIII 24 08 27 47.5–1.7 31.76S 69.37W 115–13 3.3b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.4km az=1.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=2.6km s-min=21.3km az=-1.0.
IDC Error ellipse: s-maj=36.7km s-min=24.6km az=117.0.
GUC VIII 25 08 21 41.0–.65 31.59S 69.81W 145–8 3.7L,3.6
NEIC VIII 25 08 21 41.0 31.59S 69.81W 145 3.6,3.6 **¶12100228**
GUC Error ellipse: s-maj=1.6km s-min=10.4km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 26 12 48 42.4–.75 31.54S 69.15W 150–16 3.8L,3.7
NEIC VIII 26 12 48 42.4 31.54S 69.15W 150 3.8b,3.7 **¶12100255**
GUC Error ellipse: s-maj=1.8km s-min=14.4km az=-1.0.
NEIC Event type fe. Felt [II] at San Juan. After GUC.
ISC VIII 31 03 07 21.8–.38 31.30S–.03 69.19W–.05 113–4 3.9b 55 1-153
ISCJB VIII 31 03 07 20.7–.38 31.31S–.03 69.19W–.05 119–4 3.9b **¶11909148**
NEIC VIII 31 03 07 21.7–.39 31.32S 69.15W 116–4 3.8,3.7b
IDC VIII 31 03 07 21.9–.64 31.39S 69.14W 113–4 3.9b,3.9
GUC VIII 31 03 07 21.9–.77 31.32S 69.51W 145–0 4.0L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.2km az=2.9.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.1km az=94.0.
IDC Error ellipse: s-maj=18.2km s-min=12.9km az=41.0.
GUC Error ellipse: s-maj=3.4km s-min=6.9km az=-1.0.
IDC IX 03 04 34 06.5–1.6 31.95S 67.93W 0 4.8b,4.0
¶11909346
IDC Error ellipse: s-maj=34.8km s-min=9.6km az=45.0.
ISC IX 05 03 16 50.1–.76 31.12S–.04 68.30W–.06 101–8 25 0-152
ISCJB IX 05 03 16 48.9–.77 31.12S–.04 68.30W–.07 107–8 **¶11909509**

GUC IX 05 03 16 48.0–.66 31.08S 68.46W 148–38 4.0L,3.9
IDC IX 05 03 16 49.7–1.5 31.53S 68.52W 107–9 4.4b,3.7
NEIC IX 05 03 16 49.1–.68 31.48S 68.72W 106–6 3.5,3.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=7.3km az=178.4.
GUC Error ellipse: s-maj=4.8km s-min=22.5km az=-1.0.
IDC Error ellipse: s-maj=54.3km s-min=29.3km az=118.0.
NEIC Event type fe. Error ellipse: s-maj=21.3km s-min=10.4km az=74.0. Felt [III] at San Juan.
ISC IX 12 03 20 34.9–.44 31.26S–.03 69.06W–.05 107–5 3.8b 58 1-153
ISCJB IX 12 03 20 33.9–.44 31.28S–.03 69.06W–.05 115–4 3.8b **¶11910086**
IDC IX 12 03 20 34.9–.98 31.30S 69.00W 108–8 3.7,3.6
NEIC IX 12 03 20 34.6–.38 31.28S 69.03W 107–4 4.1b,4.1
GUC IX 12 03 20 34.4–.66 31.29S 69.39W 150–0 4.1L,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.4km az=175.9.
IDC Error ellipse: s-maj=25.9km s-min=19.8km az=97.0.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.4km az=76.0. Felt [III] at San Juan.
GUC Error ellipse: s-maj=2.0km s-min=5.1km az=-1.0.
GUC IX 14 15 56 42.8–.54 31.29S 68.09W 150–0 3.6L
¶13845182
GUC Error ellipse: s-maj=1.9km s-min=5.2km az=-1.0.
GUC IX 20 00 53 47.8–.83 31.37S 68.65W 145–0 3.5L,3.4
NEIC IX 20 00 53 47.8 31.37S 68.65W 145 3.4,3.4 **¶12952112**
GUC Error ellipse: s-maj=3.0km s-min=7.0km az=-1.0.
NEIC Event type se. After GUC.
ISC IX 27 08 04 22.6–.83 31.68S–.04 68.40W–.05 27–7 3.9b 68 0-153
IDC IX 27 08 04 17.9–.73 31.81S 68.74W 0 4.1,4.0 **¶11911179**
GUC IX 27 08 04 21.7–.82 31.71S 68.76W 2–5 4.1L,4.0
ISCJB IX 27 08 04 22.1–.58 31.68S–.03 68.37W–.05 40–6 3.9b,4.0
NEIC IX 27 08 04 22.6–.85 31.69S 68.43W 27–7 4.1b,4.1L
ISC Event type fe.
IDC Error ellipse: s-maj=21.1km s-min=8.0km az=155.0.
GUC Error ellipse: s-maj=2.0km s-min=6.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.1km az=29.8.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=6.6km az=114.0. Felt [III] at San Juan.
ISC X 10 18 26 54.0–.44 31.28S–.02 67.92W–.05 99–4 4.4b 121 0-163
ISCJB X 10 18 26 52.9–.46 31.28S–.02 67.93W–.05 104–4 4.4b **¶12066521**
GUC X 10 18 26 53.9–.76 31.30S 68.18W 150–0 4.7L
NEIC X 10 18 26 53.6–.40 31.30S 67.88W 99–3 4.8,4.5b
IDC X 10 18 26 54.1–.31 31.40S 68.14W 102–2 4.3,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.0km az=173.2.
GUC Error ellipse: s-maj=1.4km s-min=4.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.1km az=77.0. Felt [V] at San Juan and [IV] at Mendoza.
IDC Error ellipse: s-maj=15.5km s-min=10.1km az=112.0.
ISC X 12 01 56 43.5–.45 31.20S–.03 68.29W–.05 107–5 3.8b 75 0-163
ISCJB X 12 01 56 42.3–.47 31.20S–.03 68.29W–.05 113–5 3.8b **¶12068433**
IDC X 12 01 56 43.0–.94 31.30S 68.62W 99–7 3.8,3.6
NEIC X 12 01 56 43.4–.45 31.20S 68.27W 106–5 4.0b,3.9
GUC X 12 01 56 43.6–.71 31.20S 68.58W 150–0 4.1L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.8km az=175.4.
IDC Error ellipse: s-maj=33.0km s-min=25.6km az=77.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.8km az=86.0.
GUC Error ellipse: s-maj=1.4km s-min=4.3km az=-1.0.
ISC X 19 07 22 08.5–.52 31.74S–.02 69.81W–.05 122–7 85 1-151
ISCJB X 19 07 22 07.9–.49 31.73S–.02 69.82W–.06 124–6 **¶12069028**
GUC X 19 07 22 08.4–.99 31.75S 70.13W 137–9 4.0L,3.5
NEIC X 19 07 22 08.4 31.75S 70.13W 137 3.5,3.5
IDC X 19 07 22 08.1–3.9 31.87S 69.62W 100–32 4.0b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.0km az=179.4.
GUC Error ellipse: s-maj=2.2km s-min=14.4km az=-1.0.
NEIC Event type se. After GUC.
IDC Error ellipse: s-maj=63.4km s-min=29.2km az=117.0.
ISC X 20 06 32 40.1–.40 31.31S–.03 68.24W–.05 106–4 4.2b 72 0-163
ISCJB X 20 06 32 38.9–.42 31.32S–.03 68.24W–.05 111–4 4.2b **¶12069111**
NEIC X 20 06 32 39.9–.50 31.32S 68.21W 103–4 4.1
IDC X 20 06 32 40.1–.39 31.38S 68.33W 104–2 4.0,4.0
GUC X 20 06 32 40.2–.58 31.32S 68.54W 150–0 4.5L,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.6km az=162.4.
NEIC Event type fe. Error ellipse: s-maj=10.5km s-min=6.8km az=75.0. Felt [III] at San Juan.
IDC Error ellipse: s-maj=20.7km s-min=10.4km az=74.0.
GUC Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0.
IDC X 30 11 00 17.1–1.1 29.04S 68.96W 0 3.7,3.6L
¶12071613
IDC Error ellipse: s-maj=40.6km s-min=25.3km az=73.0.
GUC XI 06 18 14 09.6–.84 31.57S 70.00W 153–8 3.7L,3.7
¶14118980
GUC Error ellipse: s-maj=2.2km s-min=13.7km az=-1.0.
ISC XI 07 11 26 26.3–1.6 31.53S–.04 69.34W–.05 5–11 4.0b 45 1-153
IDC XI 07 11 26 25.3–.65 31.62S 69.38W 0 4.2,4.2 **¶12072669**
NEIC XI 07 11 26 26.7–.50 31.65S 69.35W 10 4.5b,4.4
GUC XI 07 11 26 27.7–.76 31.59S 69.49W 128–17 4.1L,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=19.1km s-min=10.1km az=8.0.
NEIC Event type fe. Error ellipse: s-maj=13.0km s-min=8.4km az=213.0. Felt [III] in the Valle de Calingasta.
GUC Error ellipse: s-maj=3.8km s-min=12.7km az=-1.0.
GUC XI 14 09 02 08.3–.71 31.68S 69.65W 154–12 3.6L,3.6
NEIC XI 14 09 02 08.3 31.68S 69.65W 154 3.6,3.6 **¶13400138**
GUC Error ellipse: s-maj=2.4km s-min=13.8km az=-1.0.
NEIC Event type se. After GUC.
GUC XI 22 23 56 24.8–.74 31.28S 69.02W 140–0 3.7L
¶14124360
GUC Error ellipse: s-maj=1.9km s-min=6.0km az=-1.0.
GUC XI 23 09 51 30.8–1.1 31.73S 68.68W 19–12 3.7,2.9L
¶14124834
GUC Error ellipse: s-maj=6.5km s-min=13.3km az=-1.0.
GUC XI 25 03 57 12.6–.75 31.99S 67.59W 2–0 3.9,3.7L
¶14125598
GUC Error ellipse: s-maj=4.5km s-min=8.2km az=-1.0.
GUC XI 25 21 29 40.3–.52 30.96S 67.94W 40–29 3.9L
¶14125610
GUC Error ellipse: s-maj=3.5km s-min=23.6km az=-1.0.
GUC XII 03 14 21 05.6–.65 31.34S 67.61W 144–58 4.6L
¶14238792
GUC Error ellipse: s-maj=3.4km s-min=28.8km az=-1.0.
GUC XII 17 14 23 34.7–.73 31.75S 69.96W 145–6 3.9L,3.6
¶14239006
GUC Error ellipse: s-maj=1.7km s-min=7.8km az=-1.0.
GUC XII 18 15 46 25.8–.47 31.59S 68.89W 149–16 4.0L,3.7
¶14239011
GUC Error ellipse: s-maj=2.1km s-min=10.6km az=-1.0.
ISC XII 20 17 07 01.7–.15 31.56S–.02 68.23W–.03 109 5.3b 337 0-178
MOS XII 20 17 06 58.4–.94 31.41S 68.18W 89 5.4b **¶11527749**
BJI XII 20 17 07 00.8 31.04S 68.08W 108 5.3b
ISCJB XII 20 17 07 00.0–.15 31.54S–.02 68.19W–.03 107 5.3b
NEIC XII 20 17 07 01.0–.11 31.58S 68.11W 106 5.5,5.3b
IDC XII 20 17 07 01.6–.29 31.64S 68.19W 109–2 4.9,4.9
GUC XII 20 17 07 02.1–.50 31.56S 68.39W 126–27 5.6L,4.9
GCMT XII 20 17 07 05.7–.20 31.72S 68.14W 123–1 5.2W,4.9
ISC Event type fe.
MOS Error ellipse: s-maj=12.6km s-min=7.1km az=97.5.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=33.8.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.2km az=69.0. Felt [V] at San Juan and [IV] at Mendoza. Also felt at Cordoba.
IDC Error ellipse: s-maj=12.5km s-min=9.2km az=55.0.
GUC Error ellipse: s-maj=1.9km s-min=12.2km az=-1.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s52,c66; s79,c129; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.91±.21 $M_{\theta\theta}$2.71±.24; $M_{\phi\phi}$4.20±.30; $M_{r\theta}$-1.31±.17; $M_{\theta\phi}$5.76±.22; $M_{\phi r}$3.11±.23; Best double couple: NP1:ϕ_s66.00000°,δ46.00000°,λ-52.00000°. NP2:ϕ_s198.00000°,δ56.00000°,λ-122.00000°. Principal axes: T 9.4000,Plg5.0000° ,Azm310.0000°; N -0.8800,Plg26.0000°,Azm217.0000°; P -8.5300,Plg63.0000° ,Azm51.0000° $M_0$9.00000×10^{16}
ISC XII 23 05 35 47.2–.48 31.42S–.05 67.87W–.08 101–4 4.3b 51 0-163
ISCJB XII 23 05 35 46.1–.50 31.42S–.05 67.89W–.09 107–5 4.3b **¶12078631**
NEIC XII 23 05 35 46.8–.44 31.43S 67.93W 100–4 4.4b
IDC XII 23 05 35 47.4–.33 31.52S 68.16W 106–3 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.3km az=157.1.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.0km az=77.0.
IDC Error ellipse: s-maj=15.5km s-min=11.1km az=94.0.
ISC XII 24 08 05 09.0–.62 31.19S–.06 68.5W–.10 101–7 3.8b 22 0-153
ISCJB XII 24 08 05 07.8–.63 31.20S–.07 68.5W–.10 107–7 3.8b **¶12078787**
IDC XII 24 08 05 08.2–1.1 31.18S 68.53W 96–8 3.7,3.7b
NEIC XII 24 08 05 08.7–.60 31.19S 68.46W 102–6 3.7,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=10.3km az=166.4.
IDC Error ellipse: s-maj=34.3km s-min=20.7km az=107.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.1km az=84.0.
GUC XII 28 05 49 59.8–.89 31.30S 68.47W 45–21 3.8,3.4L
¶14239140
GUC Error ellipse: s-maj=4.0km s-min=17.3km az=-1.0.

(138) La Rioja Province.

IDC VII 02 18 20 02.1–1.6 30.24S 66.72W 117–17 3.7,3.4
NEIC VII 02 18 20 01.4–1.3 30.11S 66.73W 115–13 3.7,3.4 **¶11799289**
IDC Error ellipse: s-maj=55.0km s-min=19.6km az=134.0.
NEIC Event type se. Error ellipse: s-maj=31.1km s-min=16.7km az=124.0.
ISC VII 08 18 24 04.3–.64 30.42S–.05 66.96W–.06 40–12 4.0b 21 2-151
ISCJB VII 08 18 24 01.9–.84 30.41S–.06 66.89W–.06 36–14 4.0b **¶11811003**
NEIC VII 08 18 24 04.2–.58 30.43S 66.94W 41–7 4.0
IDC VII 08 18 24 04.5–.75 30.43S 66.95W 40–7 4.1L,3.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=7.7km az=146.8.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=7.2km az=121.0. Felt [III] in Valle Fertil.
IDC Error ellipse: s-maj=28.8km s-min=6.6km az=133.0.
IDC VIII 20 07 18 14.3–1.8 29.11S 67.31W 114–17 3.9b,3.9
¶12581226
IDC Error ellipse: s-maj=22.9km s-min=15.7km az=92.0.
ISC IX 02 17 27 33.5–1.2 28.1S–.10 67.40W–.10 135–14 3.4b 9 3-150
ISCJB IX 02 17 27 32.6–1.2 28.1S–.10 67.4W–.10 144–14 3.4b **¶11909292**
IDC IX 02 17 27 33.7–2.8 28.13S 67.40W 138–23 3.6b,3.6
NEIC IX 02 17 27 33.5–.91 28.04S 67.42W 139–8 3.6b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=14.5km az=4.6.
IDC Error ellipse: s-maj=40.3km s-min=20.5km az=126.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=11.1km az=158.0.
ISC IX 19 23 20 59.8–.74 31.46S–.08 66.4W–.10 131–9 3.9b 19 2-152
ISCJB IX 19 23 20 58.8–.76 31.47S–.08 66.4W–.10 138–9 3.9b **¶11910668**
IDC IX 19 23 20 59.9–1.2 31.41S 66.48W 135–13 4.0b,3.8
NEIC IX 19 23 20 59.9–.62 31.48S 66.41W 135–7 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=12.5km az=156.9.
IDC Error ellipse: s-maj=22.2km s-min=18.9km az=131.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.3km az=69.0.
ISC IX 26 02 21 24.7–.86 28.55S–.09 67.39W–.09 123–16 3.5b 10 3-150
ISCJB IX 26 02 21 23.9–.92 28.57S–.09 67.40W–.10 129–16 3.5b **¶11911063**
IDC IX 26 02 21 24.6–1.9 28.58S 67.36W 125–18 3.5b,3.3
NEIC IX 26 02 21 24.8–.70 28.53S 67.37W 129–8 3.5b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=13.5km az=35.9.
IDC Error ellipse: s-maj=33.2km s-min=16.3km az=122.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.0km az=143.0.
ISC X 05 23 45 22.5–.57 28.31S–.04 67.35W–.05 121–7 4.6b 74 3-160
ISCJB X 05 23 45 21.2–.61 28.29S–.04 67.34W–.06 125–7 4.6b **¶12066076**
NEIC X 05 23 45 22.7–.61 28.31S 67.34W 124–6 4.8b
GUC X 05 23 45 24.5–1.1 28.28S 67.64W 150–0 5.1L
IDC X 05 23 45 24.6–.56 28.31S 67.29W 137–4 4.2b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.6km az=158.1.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.7km az=94.0.
GUC Error ellipse: s-maj=5.6km s-min=7.9km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=12.8km az=94.0.
ISC X 12 20 32 34.3–.87 29.17S–.06 67.8W–.10 128–18 20 2-127
ISCJB X 12 20 32 33.6–.83 29.19S–.06 67.8W–.10 137–16 **¶12068492**
NEIC X 12 20 32 36.7–.85 29.53S 67.91W 153–13
IDC X 12 20 32 37.7–1.8 29.52S 67.63W 156–17 3.9b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=7.4km az=157.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=14.3km az=65.0.
IDC Error ellipse: s-maj=43.3km s-min=20.6km az=120.0.
ISC X 15 20 27 03.6–.63 28.25S–.04 68.31W–.07 98–10 3.5b 41 2-150
ISCJB X 15 20 27 02.5–.69 28.27S–.04 68.31W–.08 107–10 3.5b **¶12068711**
NEIC X 15 20 27 03.7–.52 28.27S 68.32W 102–6 3.9b
GUC X 15 20 27 03.8–1.0 28.20S 68.60W 145–54 4.3L
IDC X 15 20 27 05.2–.71 28.37S 68.34W 114–5 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.4km az=161.9.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.2km az=59.0.
GUC Error ellipse: s-maj=5.4km s-min=40.8km az=-1.0.
IDC Error ellipse: s-maj=25.6km s-min=10.6km az=94.0.
IDC XI 16 06 29 36.3–1.6 28.01S 69.00W 0 3.7,3.6L
¶12073709
IDC Error ellipse: s-maj=125.1km s-min=48.7km az=167.0.
GUC XII 09 19 25 51.2–.57 30.37S 66.82W 146–181 4.5L
¶14238936
GUC Error ellipse: s-maj=3.2km s-min=62.1km az=-1.0.
IDC XII 16 08 53 15.9–13 28.13S 68.19W 68–117 3.8b,3.8
¶12077732
IDC Error ellipse: s-maj=44.2km s-min=22.2km az=56.0.
ISC XII 19 01 56 17.9–.99 28.31S–.10 67.37W–.09 127–15 3.8b 17 3-160
ISCJB XII 19 01 56 16.7–1.1 28.30S–.10 67.38W–.09 132–16 3.7b **¶12078136**
NEIC XII 19 01 56 18.1–.94 28.34S 67.33W 129–10 3.9b
IDC XII 19 01 56 20.0–2.4 28.46S 67.30W 139–24 3.4b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=12.3km az=25.1.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=13.1km az=179.0.
IDC Error ellipse: s-maj=41.0km s-min=21.3km az=130.0.

(139) Mendoza Province.

GUC VII 03 22 46 16.3–.92 33.77S 68.29W 23–9 3.6,3.0L
¶13596361
GUC Error ellipse: s-maj=11.7km s-min=6.1km az=-1.0.
ISC VII 07 04 40 49.6–.68 32.98S–.04 69.82W–.06 121–7 62 1-152
ISCJB VII 07 04 40 48.7–.64 32.97S–.04 69.83W–.07 125–6 **¶11810850**
GUC VII 07 04 40 49.5–.76 33.00S 69.91W 124–5 3.6,3.5L
NEIC VII 07 04 40 49.8–.36 33.02S 69.75W 112–6 3.6,3.5L
IDC VII 07 04 40 50.5–6.0 32.97S 69.75W 112–41 3.3,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.0km az=6.1.
GUC Error ellipse: s-maj=2.4km s-min=6.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.6km az=95.0.
IDC Error ellipse: s-maj=75.1km s-min=55.9km az=107.0.
GUC VII 07 23 17 02.5–.78 32.95S 69.06W 10–4 3.8,3.2L
NEIC VII 07 23 17 02.5 32.95S 69.06W 10 3.2L,3.2L **¶12951101**
GUC Error ellipse: s-maj=2.7km s-min=3.9km az=-1.0.
NEIC Event type fe. Felt [III] at Mendoza. After GUC.
GUC VII 09 23 25 07.5–1.7 33.04S 68.88W 19–999 3.6,3.1L

¶13596557
GUC Error ellipse: s-maj=14.2km s-min=38.0km az=-1.0.
GUC VII 11 04 52 25.6–.65 32.40S 69.86W 127–7 3.5,3.3L
NEIC VII 11 04 52 25.6 32.40S 69.86W 127 3.5,3.3L ¶12951213
GUC Error ellipse: s-maj=1.9km s-min=7.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VII 11 08 52 22.0–.56 32.09S 69.64W 152–8 3.5,3.4L
NEIC VII 11 08 52 22.0 32.09S 69.64W 152 3.5,3.4L ¶12951207
GUC Error ellipse: s-maj=1.6km s-min=11.6km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 05 19 47 47.3–.33 32.54S 69.00W 142–6 3.9L,3.7
NEIC VIII 05 19 47 47.3 32.54S 69.00W 142 3.7,3.7 ¶12099702
GUC Error ellipse: s-maj=2.7km s-min=6.1km az=-1.0.
NEIC Event type se. After GUC.
ISC VIII 09 04 24 59.4–.59 33.42S–.06 68.21W–.04 10 3.5b 55 2-81
ISCJB VIII 09 04 24 58.0–.60 33.44S–.06 68.16W–.04 10 3.5b ¶11907979
NEIC VIII 09 04 24 58.2–3.4 33.39S 68.22W 1–25 4.2,3.9b
GUC VIII 09 04 24 59.8–.73 33.51S 68.24W 22–4 4.2,4.1L
IDC VIII 09 04 25 00.1–1.3 33.32S 67.96W 0 4.0L,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.3km az=164.6.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=5.7km az=154.0. Felt [III] at Mendoza.
GUC Error ellipse: s-maj=6.7km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=34.0km s-min=13.7km az=89.0.
GUC VIII 24 05 21 03.6–.63 32.81S 69.56W 150–6 3.5L,3.2
NEIC VIII 24 05 21 03.6 32.81S 69.56W 150 3.2,3.2 ¶12100197
GUC Error ellipse: s-maj=2.6km s-min=9.2km az=-1.0.
NEIC Event type se. After GUC.
GUC VIII 29 08 26 20.6–.59 32.89S 69.18W 22–5 3.4,2.6L
NEIC VIII 29 08 26 20.6 32.89S 69.18W 22 3.8,3.4 ¶12100342
GUC Error ellipse: s-maj=2.3km s-min=2.9km az=-1.0.
NEIC Event type fe. Felt [III] at Mendoza. After GUC.
ISC IX 21 22 47 23.7–.66 33.15S–.05 68.45W–.05 37–11 43 2-152
IDC IX 21 22 47 18.1–1.5 33.27S 68.78W 0 3.7,3.6L ¶11910796
ISCJB IX 21 22 47 21.9–.69 33.15S–.05 68.39W–.05 40–11 3.7,3.6L
GUC IX 21 22 47 22.3–.60 33.15S 68.68W 0–40 3.1L,3.6L
NEIC IX 21 22 47 23.6–.73 33.14S 68.46W 36–8 3.2b,3.1L
ISC Event type fe.
IDC Error ellipse: s-maj=68.0km s-min=17.0km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=6.4km az=177.2.
GUC Error ellipse: s-maj=6.8km s-min=37.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=7.5km az=127.0. Felt [III] at Mendoza.
GUC IX 26 23 53 53.8–.58 33.14S 68.64W 5–0 3.7,3.1L
NEIC IX 26 23 53 53.8 33.14S 68.64W 5 3.5,3.1L ¶12952200
GUC Error ellipse: s-maj=3.0km s-min=3.1km az=-1.0.
NEIC Event type fe. Felt [III] at Junin, Rivadavia and San Martin. After GUC.
GUC X 09 10 39 25.2–.50 32.12S 69.85W 152–5 3.5L,3.4
NEIC X 09 10 39 25.2 32.12S 69.85W 152 3.4,3.4 ¶13396479
GUC Error ellipse: s-maj=4.3km s-min=6.7km az=-1.0.
NEIC Event type se. After GUC.
ISC X 16 09 26 45.5–.57 33.05S–.04 68.83W–.04 42–7 3.9b 68 1-165
IDC X 16 09 26 42.8–.60 33.02S 68.99W 21–3 4.3L,4.1 ¶12068755
ISCJB X 16 09 26 43.9–.62 33.05S–.04 68.78W–.04 43–7 3.9b,4.1
NEIC X 16 09 26 43.3 33.05S 68.86W 37 4.4,4.2
GUC X 16 09 26 43.3–.37 33.05S 68.86W 37–2 4.2,4.1L
ISC Event type fe.
IDC Error ellipse: s-maj=19.6km s-min=13.1km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=6.1km az=179.1.
NEIC Event type fe. Felt [IV] at Mendoza and [III] at San Juan. After GUC.
GUC Error ellipse: s-maj=2.6km s-min=2.3km az=-1.0.
ISC X 16 20 06 11.0–.31 32.18S–.02 69.95W–.06 107–3 4.4b 95 1-164
ISCJB X 16 20 06 10.1–.31 32.18S–.02 69.95W–.06 112–3 4.4b ¶12068828
GUC X 16 20 06 10.4–.56 32.17S 70.09W 115–4 4.2L,4.0
NEIC X 16 20 06 10.4 32.17S 70.09W 115 4.5,4.0
IDC X 16 20 06 12.3–1.5 32.19S 69.75W 117–11 4.3,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=3.8km az=2.5.
GUC Error ellipse: s-maj=1.2km s-min=3.7km az=-1.0.
NEIC Event type fe. Felt [III] at Mendoza and San Juan. After GUC.
IDC Error ellipse: s-maj=19.5km s-min=12.6km az=79.0.
GUC X 17 02 20 12.0–.44 33.66S 68.68W 24–4 3.8,3.5L
NEIC X 17 02 20 13.0 33.57S 68.80W 10 3.8,3.5L ¶13397305
GUC Error ellipse: s-maj=3.7km s-min=2.8km az=-1.0.
NEIC Event type fe. Felt [III] at San Carlos and Tunuyan. After SJA.
GUC X 17 14 28 07.1–.73 32.98S 69.60W 1–7 3.5,2.4L
¶13932506
GUC Error ellipse: s-maj=3.4km s-min=5.9km az=-1.0.
GUC X 19 12 15 54.7–.73 33.70S 68.26W 25–8 3.7,2.9L
¶13932533
GUC Error ellipse: s-maj=12.6km s-min=5.6km az=-1.0.
ISC X 21 10 10 42.7–.22 32.20S–.03 68.90W–.05 122 4.6b 468 1-173
ISCJB X 21 10 10 41.5–.20 32.09S–.02 68.98W–.04 120 4.6b ¶11360727
GUC X 21 10 10 41.2–1.0 32.05S 69.18W 142–17 4.6L
IDC X 21 10 10 41.9–.47 32.07S 68.78W 118–3 4.3,4.2
NEIC X 21 10 10 42.3–.20 32.15S 68.95W 120 4.6b,4.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=2.8km az=26.3.
GUC Error ellipse: s-maj=2.9km s-min=13.5km az=-1.0.
IDC Error ellipse: s-maj=14.1km s-min=11.3km az=92.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.9km az=99.0. Felt [IV] at Calingasta and [III] at Mendoza and San Juan.
ISC XI 21 04 00 16.4–.50 32.02S–.05 68.41W–.06 119–5 3.5b 37 0-153
IDC XI 21 04 00 14.9–1.8 32.16S 68.49W 112–9 3.6,3.4 ¶12074365
ISCJB XI 21 04 00 15.3–.51 32.03S–.05 68.40W–.07 125–5 3.5b,3.4
GUC XI 21 04 00 15.4–.54 31.78S 68.82W 150–0 3.9L,3.8
NEIC XI 21 04 00 15.6–.78 32.12S 68.42W 120–6 3.6b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=34.6km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.2km az=35.7.
GUC Error ellipse: s-maj=6.9km s-min=8.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=9.5km az=52.0.
ISC XI 22 18 33 50.0–.73 33.26S–.05 68.8W–.10 35 16 2-152
ISCJB XI 22 18 33 47.7–.72 33.32S–.05 68.8W–.10 33 ¶12074528
IDC XI 22 18 33 49.6–2.4 33.14S 68.66W 24–15 4.1,4.0s
NEIC XI 22 18 33 51.1–.84 33.18S 68.78W 40–9 4.1,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.2km az=176.4.
IDC Error ellipse: s-maj=50.5km s-min=15.2km az=104.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.3km az=86.0.
GUC XII 03 08 18 44.6–.74 32.62S 68.68W 150–0 3.5L
¶14238786
GUC Error ellipse: s-maj=4.0km s-min=8.2km az=-1.0.
ISC XII 05 09 14 26.4–.54 32.05S–.03 69.94W–.06 118–6 3.5b 50 1-154
ISCJB XII 05 09 14 25.6–.53 32.05S–.03 69.95W–.06 121–6 3.5b ¶12075864
NEIC XII 05 09 14 25.0 32.06S 70.04W 130 3.7
GUC XII 05 09 14 25.6–.63 32.06S 70.04W 130–4 3.9L,3.7
IDC XII 05 09 14 29.1–22 31.46S 69.61W 117–148 4.1L,3.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.0km az=169.6.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=1.2km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=281.4km s-min=55.5km az=20.0.
ISC XII 13 06 17 29.7–.73 32.27S–.05 69.9W–.20 143–12 37 1-152
IDC XII 13 06 17 28.6–4.1 32.35S 69.36W 105–41 3.4b,3.4 ¶12077245
GUC XII 13 06 17 28.1–.56 32.24S 69.77W 150–0 4.0L,3.9
ISCJB XII 13 06 17 29.1–.69 32.28S–.05 69.9W–.20 146–11 4.0L,3.9

(141) Cordoba Province.

ISC XI 13 11 12 28.7–.71 31.29S–.05 65.70W–.08 156–8 3.9b 53 2-151
ISCJB XI 13 11 12 27.5–.74 31.25S–.07 65.71W–.09 162–8 3.9b ¶12073413
NEIC XI 13 11 12 28.3–.60 31.22S 65.72W 154–7 3.9b
IDC XI 13 11 12 29.2–.42 31.23S 65.80W 163–3 4.1,4.0
GUC XI 13 11 13 17.5–.78 32.88S 69.93W 115–7 3.0L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=10.6km az=8.8.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=8.0km az=107.0.
IDC Error ellipse: s-maj=12.7km s-min=8.3km az=166.0.
GUC Error ellipse: s-maj=6.0km s-min=14.7km az=-1.0.
ISC XII 05 22 23 25.4–.95 30.4S–.10 65.4W–.10 185–14 3.7b 15 5-150
ISCJB XII 05 22 23 24.5–.99 30.4S–.10 65.4W–.10 193–14 3.6b ¶12075931
NEIC XII 05 22 23 25.6–1.0 30.42S 65.38W 186–12 4.1b
IDC XII 05 22 23 30.7–6.2 30.49S 64.70W 209–43 3.5b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=13.6km az=30.1.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=13.9km az=63.0.
IDC Error ellipse: s-maj=68.6km s-min=24.2km az=100.0.

SEISMIC REGION 9.
Extreme South America.

(143) Off coast of southern Chile.

IDC VII 13 12 12 23.7–1.2 40.57S 75.14W 0 3.8,3.7
¶12698191
IDC Error ellipse: s-maj=28.3km s-min=23.4km az=108.0.
ISC VIII 13 21 28 37.3–.40 44.38S–.06 78.36W–.09 10 4.4b,4.2s 43 7-166
ISCJB VIII 13 21 28 35.6–.40 44.36S–.06 78.31W–.09 10 4.4b,4.2s ¶11908182
IDC VIII 13 21 28 35.7–.76 44.46S 78.35W 0 4.4,4.3b
NEIC VIII 13 21 28 37.1–.24 44.38S 78.37W 10 4.6b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=7.4km az=32.6.
IDC Error ellipse: s-maj=32.1km s-min=19.3km az=107.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.5km az=102.0.
ISC IX 06 04 23 34.0–2.9 41.66S–.08 75.44W–.09 14–20 3.7b 19 2-148
ISCJB IX 06 04 23 33.7–3.2 41.7S–.10 75.48W–.08 25–25 3.7b ¶11909582
IDC IX 06 04 23 33.1–2.7 41.41S 75.51W 0 4.1,3.8
NEIC IX 06 04 23 34.9 41.73S 75.37W 27 3.4L,3.8
GUC IX 06 04 23 34.9–.71 41.73S 75.37W 27–6 3.4L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=10.1km az=11.1.
IDC Error ellipse: s-maj=64.1km s-min=27.1km az=174.0.
NEIC Event type se. After GUC.
GUC Error ellipse: s-maj=4.6km s-min=6.3km az=-1.0.
IDC X 02 05 48 42.4–1.4 40.11S 75.06W 0 3.6,3.5
¶11911689
IDC Error ellipse: s-maj=27.9km s-min=23.6km az=35.0.
ISC X 31 18 37 55.3–.35 40.02S–.06 74.77W–.09 35 4.3b,3.7s 51 3-172
IDC X 31 18 37 49.2–.59 40.19S 75.04W 0 4.3,4.3 ¶12071758
ISCJB X 31 18 37 53.4–.35 40.07S–.07 74.8W–.10 33 4.3b,3.7s
NEIC X 31 18 37 53.6–3.8 40.11S 74.83W 28–26 4.5b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=17.3km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.9km az=148.4.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.2km az=74.0.
IDC XI 01 07 38 51.2–1.8 40.23S 74.97W 0 3.7,3.6b
¶12071832
IDC Error ellipse: s-maj=43.8km s-min=23.5km az=41.0.

(144) Southern Chile.

GUC VII 07 23 57 10.0–.30 42.06S 72.50W 8–1 3.5L
NEIC VII 07 23 57 10.0 42.06S 72.50W 8 4.0b,3.5L ¶12951100
GUC Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0.
NEIC Event type fe. Felt [III] at Hornopiren. After GUC.
GUC VII 08 16 32 39.7–.30 42.08S 72.49W 6–1 3.5L
¶13596522
GUC Error ellipse: s-maj=1.7km s-min=1.6km az=-1.0.
ISC VII 11 21 14 54.4–3.9 43.1S–.20 73.5W–.70 0–15 4.2b 9 1-162
IDC VII 11 21 14 51.0–2.7 43.02S 74.22W 0 4.2,4.1L ¶13596629
GUC VII 11 21 14 56.4–.47 43.05S 71.42W 4–999 3.8L,4.1L
IDC Error ellipse: s-maj=81.5km s-min=24.5km az=128.0.
GUC Error ellipse: s-maj=8.4km s-min=39.7km az=-1.0.
GUC VII 12 22 12 20.3–.29 42.10S 72.48W 6–1 3.7L
¶13596672
GUC Error ellipse: s-maj=1.6km s-min=1.5km az=-1.0.
GUC VII 18 20 16 59.5–.49 41.98S 73.40W 77–8 4.0L
¶13596880
GUC Error ellipse: s-maj=3.9km s-min=11.8km az=-1.0.
ISC VII 29 06 03 06.9–3.2 42.8S–.10 74.2W–.10 34–24 3.7b 18 1-163
IDC VII 29 06 03 00.6–1.7 43.04S 74.32W 0 4.0,3.9 ¶11812823
ISCJB VII 29 06 03 05.7–2.4 42.8S–.10 74.2W–.20 42–18 3.7b,3.9
GUC VII 29 06 03 05.6–.56 42.66S 74.30W 28–10 4.2L,3.9
NEIC VII 29 06 03 05.6 42.66S 74.30W 28 4.2L,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=39.1km s-min=35.6km az=60.0.
ISCJB Event type fe. Error ellipse: s-maj=24.3km s-min=21.6km az=161.4.
GUC Error ellipse: s-maj=6.6km s-min=7.0km az=-1.0.
NEIC Event type fe. Felt [III] at Castro, Palena, Puerto Cardenas and Quellon. After GUC.
GUC VIII 04 16 18 56.0–.42 41.25S 73.59W 46–2 4.3L
¶13808612
GUC Error ellipse: s-maj=1.8km s-min=6.2km az=-1.0.
ISC VIII 05 23 18 26.8–2.1 47.68S–.06 75.5W–.30 36–20 4.5b 36 8-179
IDC VIII 05 23 18 21.4–.68 47.60S 75.50W 0 4.3b,4.3 ¶11907811
ISCJB VIII 05 23 18 24.6–.42 47.68S–.05 75.3W–.20 33 4.5b,4.3
NEIC VIII 05 23 18 27.5–1.4 47.69S 75.37W 45–13 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=16.7km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=7.3km az=13.2.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=6.4km az=91.0.
GUC IX 13 09 40 18.2–.48 42.80S 72.67W 5–15 2.0L
¶13845158
GUC Error ellipse: s-maj=5.5km s-min=15.4km az=-1.0.
IDC IX 21 12 39 36.8–.79 45.72S 72.50W 0 4.3,4.1
¶11910765
IDC Error ellipse: s-maj=36.6km s-min=17.8km az=92.0.
GUC X 16 05 08 57.1–.50 42.79S 72.64W 6–4 2.8L
¶13932488
GUC Error ellipse: s-maj=4.0km s-min=9.8km az=-1.0.
GUC X 22 08 48 01.2–.46 42.95S 72.51W 22–1 3.5L
¶13932575
GUC Error ellipse: s-maj=3.6km s-min=5.7km az=-1.0.
GUC X 29 02 43 01.5–.38 42.84S 72.59W 11–9 3.6L
¶13932735
GUC Error ellipse: s-maj=3.0km s-min=7.0km az=-1.0.
ISC XI 16 19 12 40.5–.39 43.58S–.04 72.67W–.08 10 4.6b 61 1-176
ISCJB XI 16 19 12 38.8–.38 43.62S–.03 72.59W–.08 10 4.6b ¶11473046
GUC XI 16 19 12 38.2–.79 43.59S 72.63W 8–6 4.5L
IDC XI 16 19 12 44.7–6.9 43.53S 72.34W 33–50 4.4b,4.4
NEIC XI 16 19 12 44.7–1.4 43.55S 72.44W 36–11 4.9b,4.5L
BJI XI 16 19 12 48.5 43.60S 72.00W 78 5.3s,5.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.6km az=166.8.
GUC Error ellipse: s-maj=4.0km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=28.5km s-min=14.9km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=17.4km s-min=9.1km az=65.0. Felt [IV] at Balmaceda; [III] at La Junta and Puyuguapi; [II] at Chaiten and Futaleufu.
GUC XI 30 11 34 06.9–.98 41.26S 73.28W 53–8 4.1L
¶14127097
GUC Error ellipse: s-maj=2.3km s-min=9.8km az=-1.0.
ISC XII 18 20 25 50.2–4.8 51.27S–.07 73.3W–.30 34–33 4.0b,3.4s 25 5-150
IDC XII 18 20 25 45.4–1.4 51.25S 73.24W 0 4.0b,4.0 ¶12078089
ISCJB XII 18 20 25 49.0–2.6 51.27S–.07 73.1W–.30 35–21 4.0b,3.4s
NEIC XII 18 20 25 52.1–2.3 51.30S 73.15W 49–18 4.2b,3.4s
ISC Event type se.

IDC Error ellipse: s-maj=55.3km s-min=16.7km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=34.2km s-min=9.9km az=169.3.
NEIC Event type se. Error ellipse: s-maj=32.6km s-min=10.6km az=84.0.

(145) Southern Chile-Argentina border region.

ISC	**VII**	**18 23 48 51.7–.42**	**39.67S–.04**	**71.84W–.09**	**122–5**	**4.0b**	**35**	**1-151**
ISCJB	VII	18 23 48 50.7–.42	39.67S–.04	71.84W–.09	126–5	4.0b		¶11811992
GUC	VII	18 23 48 51.7–.63	39.67S	72.24W	138–6	4.6L		
IDC	VII	18 23 48 51.3–2.3	39.59S	71.77W	115–16	3.9b,3.8		
NEIC	VII	18 23 48 51.7	39.67S	72.24W	138	3.9b,3.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.2km az=2.1.
GUC Error ellipse: s-maj=1.8km s-min=15.7km az=-1.0.
IDC Error ellipse: s-maj=39.8km s-min=14.3km az=92.0.
NEIC Event type se. After GUC.

ISC	**IX**	**06 02 28 05.2–.32**	**39.09S–.03**	**71.41W–.09**	**145–4**	**4.3b**	**66**	**1-159**
ISCJB	IX	06 02 28 04.2–.32	39.09S–.03	71.41W–.09	150–4	4.3b		¶11909577
IDC	IX	06 02 28 05.8–1.5	39.02S	71.05W	140–9	4.4b,4.2		
NEIC	IX	06 02 28 05.5–.41	39.06S	71.32W	146–5	4.2b,4.2		
GUC	IX	06 02 28 06.2–1.1	39.14S	71.15W	113–38	4.6L,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=4.3km az=4.2.
IDC Error ellipse: s-maj=37.3km s-min=9.9km az=98.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=6.2km az=99.0.
GUC Error ellipse: s-maj=3.6km s-min=32.0km az=-1.0.

SEISMIC REGION 10.
Southern Antilles.

(148) Falkland Islands region.

ISC	**IX**	**07 14 07 02.1–.42**	**54.21S–.06**	**55.9W–.20**	**10**	**4.5b,3.6s**	**31**	**7-164**
IDC	IX	07 14 06 59.5–.63	54.23S	56.24W	0	4.5,4.4		¶11909733
ISCJB	IX	07 14 07 00.1–.42	54.22S–.06	55.9W–.20	10	4.5b,3.6s		
NEIC	IX	07 14 07 05.7–1.4	54.19S	56.01W	38–13	4.9b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=16.8km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=7.7km az=161.9.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.9km az=77.0.

ISC	**IX**	**07 21 07 44.4–.51**	**54.42S–.06**	**56.47W–.10**	**10**	**4.3b,3.7s**	**22**	**7-164**
IDC	IX	07 21 07 43.8–1.3	54.19S	56.21W	0	4.2,4.2		¶11909754
NEIC	IX	07 21 07 45.9–.48	54.10S	55.83W	10	4.4b,4.2		

ISC Event type se.
IDC Error ellipse: s-maj=52.3km s-min=26.6km az=92.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.6km az=67.0.

(149) Drake Passage.

ISC	**VIII**	**31 01 15 25.4–.19**	**61.24S–.03**	**67.6W–.10**	**10**	**5.5b,4.9s**	**155**	**4-172**
ISCJB	VIII	31 01 15 23.8–.19	61.23S–.03	67.6W–.10	10	5.5b,4.9s		¶11227312
IDC	VIII	31 01 15 23.5–.32	61.25S	67.92W	0	5.3,5.3b		
MOS	VIII	31 01 15 24.7–.85	61.16S	67.93W	10	5.6b,4.9s		
NEIC	VIII	31 01 15 25.2–.09	61.23S	67.74W	10	5.6b,5.5W		
GCMT	VIII	31 01 15 26.6–.10	61.18S	68.37W	12	5.5W,5.5W		
DJA	VIII	31 01 15 38	61.58S	67.51W	95	5.9b,5.5W		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.4km az=169.1.
IDC Error ellipse: s-maj=17.0km s-min=11.2km az=87.0.
MOS Error ellipse: s-maj=23.8km s-min=9.5km az=85.6.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=85.0.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 87, comp=149, per= 50. Moment Tensor Solution. s60,c103; s38,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}2.21±.05 $M_{\theta\theta}$0.30±.04; $M_{\phi\phi}$-2.51±.04; $M_{r\theta}$0.42±.12; $M_{\theta\phi}$1.11±.03; $M_{\phi r}$-0.27±.10; Best double couple: NP1:ϕ_s352.00000°,δ42.00000°,λ106.00000°. NP2:ϕ_s151.00000°,δ50.00000°,λ76.00000°. Principal axes: T 2.3000,Plg78.0000°,Azm2.0000°; N 0.6300,Plg11.0000°,Azm160.0000° ; P -2.9300,Plg4.0000°,Azm250.0000° $M_0$2.60000×10^{17}

ISC	**IX**	**14 23 57 23.3–5.0**	**61.18S–.06**	**67.6W–.30**	**10–31**	**4.4b,3.5s**	**33**	**4-166**
ISCJB	IX	14 23 57 21.5–.45	61.16S–.06	67.7W–.30	10	4.4b,3.5s		¶11302752
IDC	IX	14 23 57 21.4–.57	61.22S	67.80W	0	4.5,4.4		
NEIC	IX	14 23 57 25.1–2.2	61.17S	67.71W	24–15	4.6b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=8.0km az=175.3.
IDC Error ellipse: s-maj=25.2km s-min=14.1km az=89.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.8km az=86.0.

ISC	**X**	**03 18 50 01.5–.55**	**57.72S–.06**	**65.1W–.20**	**10**	**4.2b,3.6s**	**26**	**3-163**
ISCJB	X	03 18 49 59.4–.55	57.74S–.06	65.3W–.20	10	4.2b,3.6s		¶12065802
IDC	X	03 18 49 59.1–1.1	57.81S	65.58W	0	4.4L,4.3		
NEIC	X	03 18 50 02.2–6.5	57.76S	65.47W	19–40	4.6b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=8.8km az=172.2.
IDC Error ellipse: s-maj=57.5km s-min=20.3km az=80.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=13.7km az=91.0.

(150) Scotia Sea.

ISC	**VII**	**09 04 17 47.8–.35**	**60.42S–.06**	**45.6W–.10**	**10**	**4.8b,4.0s**	**35**	**10-165**
ISCJB	VII	09 04 17 45.8–.35	60.42S–.06	45.6W–.10	10	4.7b,4.0s		¶11136592
IDC	VII	09 04 17 45.4–.42	60.43S	45.56W	0	4.6,4.6b		
NEIC	VII	09 04 17 47.1–.19	60.45S	45.47W	10	5.1b,4.6b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.7km az=137.0.
IDC Error ellipse: s-maj=19.4km s-min=13.8km az=49.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.4km az=220.0.

ISC	**XI**	**06 11 20 07.5–.67**	**60.56S–.09**	**45.7W–.20**	**10**	**3.9b**	**17**	**9-147**
ISCJB	XI	06 11 20 05.7–.68	60.61S–.09	45.9W–.20	10	3.9b		¶12072525
IDC	XI	06 11 20 05.5–.87	60.55S	45.61W	0	4.0,4.0		
NEIC	XI	06 11 20 07.3–.55	60.55S	45.72W	10	4.0,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=11.2km az=149.4.
IDC Error ellipse: s-maj=45.7km s-min=20.0km az=61.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=9.2km az=59.0.

IDC	**XII**	**14 11 03 11.1–2.2**	**60.33S**	**32.13W**	**0**	**4.0b,4.0**		
								¶12077436

IDC Error ellipse: s-maj=138.2km s-min=70.1km az=155.0.

ISC	**XII**	**19 10 11 10.5–.58**	**61.0S–.10**	**34.0W–.30**	**10**	**4.4b**	**21**	**14-150**
ISCJB	XII	19 10 11 08.5–.60	61.0S–.10	34.1W–.30	10	4.4b		¶12078189
IDC	XII	19 10 11 08.3–1.5	60.99S	34.46W	0	4.2b,4.2		
NEIC	XII	19 10 11 10.6–.77	60.81S	34.03W	10	4.7b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.4km s-min=7.6km az=143.5.
IDC Error ellipse: s-maj=50.0km s-min=27.7km az=27.0.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=14.5km az=215.0.

(151) South Georgia Island region.

ISC	**IX**	**04 10 22 12.9–.54**	**54.94S–.08**	**33.1W–.20**	**10**	**4.0b**	**17**	**18-154**
ISCJB	IX	04 10 22 11.0–.54	54.92S–.08	33.1W–.20	10	4.0b		¶11909451
IDC	IX	04 10 22 11.5–.71	54.89S	33.10W	0	4.8L,4.2		
NEIC	IX	04 10 22 12.8–.33	54.88S	33.07W	10	4.8L,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=9.8km az=147.4.
IDC Error ellipse: s-maj=23.6km s-min=17.8km az=45.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.9km az=218.0.

(153) South Sandwich Islands region.

ISC	**VII**	**01 00 47 57.0–.37**	**58.39S–.07**	**22.1W–.10**	**10**	**4.5b,4.4s**	**37**	**14-155**
ISCJB	VII	01 00 47 55.1–.37	58.38S–.07	22.1W–.10	10	4.5b,4.4s		¶11799120
IDC	VII	01 00 47 55.6–.48	58.36S	22.10W	0	4.6,4.6		
GCMT	VII	01 00 48 00.7–.30	58.68S	22.15W	39–1	5.3W,4.6		
NEIC	VII	01 00 48 00.6–.30	58.32S	22.18W	35	4.8b,4.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.5km az=35.7.
IDC Error ellipse: s-maj=18.7km s-min=13.5km az=16.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s20,c23; s72,c100; Moment tensor: Scale 10^{17}Nm; M_{rr}0.05±.07 $M_{\theta\theta}$-0.41±.06; $M_{\phi\phi}$0.36±.05; $M_{r\theta}$0.20±.04; $M_{\theta\phi}$1.17±.03; $M_{\phi r}$-0.22±.04; Best double couple: NP1:ϕ_s260.00000°,δ79.00000°,λ-6.00000°. NP2:ϕ_s352.00000°,δ84.00000°,λ-169.00000°. Principal axes: T 1.2100,Plg3.0000° ,Azm126.0000°; N 0.1100,Plg77.0000°,Azm21.0000°; P -1.3200,Plg12.0000°,Azm216.0000° $M_0$1.30000×10^{17}

NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.0km az=195.0.

ISC	**VII**	**01 07 49 40.5–.65**	**58.0S–.10**	**22.1W–.20**	**10**	**4.4b,3.9s**	**15**	**14-150**
ISCJB	VII	01 07 49 38.7–.65	58.0S–.10	22.1W–.20	10	4.4b,3.9s		¶11799148
IDC	VII	01 07 49 38.5–.79	58.09S	22.02W	0	4.6,4.5b		
NEIC	VII	01 07 49 40.0–.56	58.05S	21.99W	10	4.7b,4.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=13.4km az=143.6.
IDC Error ellipse: s-maj=26.4km s-min=21.4km az=28.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=13.4km az=60.0.

ISC	**VII**	**01 12 17 14.0–.76**	**56.0S–.20**	**26.3W–.30**	**10**	**4.4b,4.3s**	**13**	**22-151**
ISCJB	VII	01 12 17 12.3–.76	56.0S–.20	26.3W–.30	10	4.4b,4.3s		¶11799169
IDC	VII	01 12 17 12.2–.89	55.92S	26.27W	0	4.5b,4.5		
NEIC	VII	01 12 17 13.6–.44	55.92S	26.29W	10	4.6b,4.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=15.5km az=139.5.
IDC Error ellipse: s-maj=37.3km s-min=19.9km az=48.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=13.1km az=50.0.

ISC	**VII**	**03 06 06 11.5–.75**	**55.9S–.20**	**26.0W–.30**	**10**	**4.2s,4.2b**	**12**	**20-152**
ISCJB	VII	03 06 06 09.7–.75	55.9S–.20	26.0W–.30	10	4.2b,4.2s		¶11810466
IDC	VII	03 06 06 10.2–.84	55.95S	26.05W	0	4.4,4.3s		
NEIC	VII	03 06 06 11.5–.52	55.97S	26.06W	10	4.6b,4.3s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.5km s-min=14.5km az=39.4.
IDC Error ellipse: s-maj=35.2km s-min=18.3km az=43.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=12.2km az=219.0.

ISC	**VII**	**06 09 46 02.8–5.3**	**56.3S–.10**	**26.9W–.30**	**66–49**	**4.5b**	**15**	**20-152**
IDC	VII	06 09 46 06.1–.77	56.30S	26.95W	101–6	4.3,4.2b		¶11810781
NEIC	VII	06 09 46 08.2–3.7	56.29S	26.92W	121–31	4.6b,4.2b		

ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=15.6km az=65.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=10.1km az=57.0.

ISC	**VII**	**07 21 39 26.2–.33**	**58.14S–.06**	**22.1W–.10**	**10**	**5.2b,4.5s**	**52**	**14-175**
ISCJB	VII	07 21 39 24.4–.32	58.12S–.06	22.1W–.10	10	5.1b,4.5s		¶11121184
IDC	VII	07 21 39 24.6–.46	58.09S	22.03W	0	5.0,4.9		
BJI	VII	07 21 39 24.9	58.10S	22.10W	10	5.4s,5.2b		
NEIC	VII	07 21 39 26.0–.18	58.07S	22.15W	10	5.3b,5.2b		
GCMT	VII	07 21 39 28.2–.30	58.42S	21.77W	12	5.0W,5.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=7.9km az=33.1.
IDC Error ellipse: s-maj=19.9km s-min=13.6km az=28.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.4km az=194.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s35,c46; s73,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}2.50±.16 $M_{\theta\theta}$-5.04±.13; $M_{\phi\phi}$2.54±.16; $M_{r\theta}$-0.66±.39; $M_{\theta\phi}$2.41±.13; $M_{\phi r}$-0.47±.51; Best double couple: NP1:ϕ_s148.00000°,δ66.00000°,λ160.00000°. NP2:ϕ_s246.00000°,δ72.00000°,λ25.00000°. Principal axes: T 3.6100,Plg30.0000° ,Azm108.0000°; N 2.1600,Plg60.0000°,Azm280.0000°; P -5.7700,Plg3.0000°,Azm16.0000° $M_0$4.70000×10^{16}

ISC	**VII**	**11 13 39 16.3–3.0**	**59.2S–.20**	**26.2W–.30**	**39–29**	**3.9b**	**13**	**14-150**
IDC	VII	11 13 39 09.9–1.4	59.12S	25.94W	0	4.2,4.0b		¶11811271
ISCJB	VII	11 13 39 12.8–8.4	59.1S–.20	26.1W–.30	28–61	3.9b,4.0b		
NEIC	VII	11 13 39 15.6–.71	59.10S	26.22W	35	3.9b,4.0b		

ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=23.8km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=31.8km s-min=17.1km az=38.4.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=14.7km az=214.0.

IDC	**VII**	**16 02 30 33.8–4.0**	**56.04S**	**26.03W**	**0**	**3.9,3.7**		
								¶12698240

IDC Error ellipse: s-maj=434.0km s-min=42.5km az=28.0.

ISC	**VII**	**19 03 22 42.6–1.3**	**55.7S–.20**	**27.0W–.30**	**10**	**4.0b**	**8**	**20-151**
ISCJB	VII	19 03 22 41.1–1.3	55.8S–.20	27.1W–.30	10	4.0b		¶11812013
NEIC	VII	19 03 22 46.1–.79	55.76S	27.06W	35	4.1b		
IDC	VII	19 03 22 57.4–3.8	56.05S	27.59W	129–31	3.8,3.7b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.6km s-min=17.9km az=44.6.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=15.9km az=48.0.
IDC Error ellipse: s-maj=36.3km s-min=18.0km az=52.0.

IDC	**VII**	**22 11 50 44.1–.94**	**55.91S**	**27.19W**	**0**	**4.3b,4.3**		
								¶12698384

IDC Error ellipse: s-maj=41.8km s-min=23.5km az=73.0.

ISC	**VII**	**25 16 26 29.1–.49**	**59.73S–.09**	**30.1W–.20**	**10**	**4.7b,4.3s**	**21**	**20-153**
ISCJB	VII	25 16 26 27.0–.52	59.7S–.10	30.1W–.20	10	4.7b,4.3s		¶11153731
IDC	VII	25 16 26 27.4–.65	59.64S	30.14W	0	4.4,4.4		
GCMT	VII	25 16 26 31.8–.30	59.90S	29.99W	26–1	5.1W,4.4		
NEIC	VII	25 16 26 32.6–.44	59.68S	30.21W	35	5.0b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=12.4km az=36.4.
IDC Error ellipse: s-maj=24.2km s-min=18.6km az=45.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s23,c28; s71,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.10±.23 $M_{\theta\theta}$-3.42±.19; $M_{\phi\phi}$4.52±.21; $M_{r\theta}$-0.05±.36; $M_{\theta\phi}$2.24±.14; $M_{\phi r}$2.15±.36; Best double couple: NP1:ϕ_s61.00000°,δ69.00000°,λ3.00000°. NP2:ϕ_s330.00000°,δ87.00000°,λ159.00000°. Principal axes: T 5.7400,Plg17.0000° ,Azm284.0000°; N -1.5900,Plg69.0000°,Azm143.0000°; P -4.1400,Plg13.0000° ,Azm18.0000° $M_0$4.90000×10^{16}

NEIC Event type se. Error ellipse: s-maj=15.6km s-min=13.0km az=208.0.

ISC	**VII**	**25 20 14 19.5–.57**	**59.75S–.10**	**29.7W–.20**	**10**	**4.3s,4.3b**	**15**	**14-153**
ISCJB	VII	25 20 14 17.5–.57	59.73S–.10	29.7W–.20	10	4.3b,4.3s		¶11812607
IDC	VII	25 20 14 18.4–.61	59.72S	29.90W	0	4.4,4.3		
NEIC	VII	25 20 14 21.1–.51	59.68S	29.75W	20	4.7b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=11.9km az=4.1.
IDC Error ellipse: s-maj=24.2km s-min=18.3km az=30.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=13.2km az=170.0.

ISC	**VII**	**26 00 40 04.6–3.5**	**56.05S–.10**	**27.6W–.20**	**121–34**	**4.7b**	**26**	**17-155**
ISCJB	VII	26 00 40 02.4–3.5	56.00S–.09	27.6W–.20	117–34	4.7b		¶11812621
IDC	VII	26 00 40 06.7–1.6	56.05S	27.65W	140–12	4.5,4.4		
NEIC	VII	26 00 40 07.4–2.5	56.02S	27.60W	151–21	4.6b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=11.6km az=42.6.
IDC Error ellipse: s-maj=20.3km s-min=13.2km az=49.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.1km az=217.0.

ISC	**VII**	**28 10 15 54.5–3.8**	**59.6S–.10**	**26.2W–.10**	**55–37**	**4.5b,4.1s**	**21**	**18-173**
ISCJB	VII	28 10 15 51.7–5.2	59.6S–.10	26.2W–.20	45–48	4.5b,4.1s		¶11480164
IDC	VII	28 10 15 55.3–4.1	59.58S	26.31W	60–35	4.3,4.3		
NEIC	VII	28 10 15 57.3–2.2	59.59S	26.32W	81–19	4.9b,4.3		
BJI	VII	28 10 15 59.3	59.60S	26.30W	81	4.9b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=11.8km az=21.6.
IDC Error ellipse: s-maj=17.5km s-min=13.8km az=19.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.4km az=192.0.

ISC	**VII**	**29 04 16 56.4–.76**	**58.5S–.20**	**23.6W–.30**	**10**	**4.1b,3.6s**	**9**	**32-153**
ISCJB	VII	29 04 16 54.5–.76	58.5S–.20	23.7W–.30	10	4.1b,3.6s		¶11812821
IDC	VII	29 04 16 54.5–.65	58.44S	23.58W	0	4.3,4.2b		
NEIC	VII	29 04 16 55.9–.37	58.45S	23.53W	10	4.3b,4.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=18.4km az=32.4.
IDC Error ellipse: s-maj=26.0km s-min=21.9km az=27.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=12.9km az=205.0.

ISC	**VII**	**29 23 23 17.5–.47**	**55.93S–.09**	**27.4W–.10**	**10**	**4.4b**	**23**	**23-151**
ISCJB	VII	29 23 23 15.6–.47	55.91S–.09	27.4W–.20	10	4.4b		¶11812887
IDC	VII	29 23 23 15.9–.67	55.94S	27.41W	0	4.5b,4.5		
NEIC	VII	29 23 23 23.5–2.8	55.92S	27.43W	60–25	4.4b,4.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=11.0km az=37.0.
IDC Error ellipse: s-maj=24.9km s-min=17.5km az=42.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.6km az=225.0.

ISC	**VII**	**30 20 15 12.6–.24**	**59.72S–.05**	**27.88W–.08**	**136**	**5.2b**	**86**	**14-173**
ISCJB	VII	30 20 15 10.8–.24	59.70S–.05	27.83W–.08	134	5.2b		¶13390456
NEIC	VII	30 20 15 11.5–.18	59.64S	27.81W	136	5.6b,5.6W		

IDC VII 30 20 15 12.6–.39 59.70S 27.89W 141–3 4.8,4.8
MOS VII 30 20 15 13.2–.80 59.66S 27.59W 154 5.4b,4.8
GCMT VII 30 20 15 16.7–.10 60.04S 27.46W 145–0 5.5W,4.8
BJI VII 30 20 15 16.8 59.29S 28.56W 203 5.2b,4.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=15.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.7km az=197.0. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.78 $M_{\theta\theta}$2.63 $M_{\phi\phi}$0.15 $M_{r\theta}$-0.90 $M_{\theta\phi}$0.21 $M_{\phi r}$-0.90 Best double couple: NP1:ϕ_s278.00000°,δ37.00000°,λ-67.00000°. NP2:ϕ_s71.00000°,δ57.00000°,λ-106.00000°. Principal axes: T 2.8200,Plg10.0000°,Azm172.0000° ; N 0.3300,Plg13.0000°,Azm79.0000°; P -3.1500,Plg73.0000°,Azm298.0000° M_o3.00000×10^{17}
IDC Error ellipse: s-maj=12.3km s-min=10.7km az=46.0.
MOS Error ellipse: s-maj=31.1km s-min=14.4km az=95.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=201, per= 50. Moment Tensor Solution. s89,c166; s30,c30; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.07±.03 $M_{\theta\theta}$1.16±.04; $M_{\phi\phi}$0.91±.04; $M_{r\theta}$-1.18±.03; $M_{\theta\phi}$0.79±.04; $M_{\phi r}$-1.16±.03; Best double couple: NP1:ϕ_s231.00000°,δ25.00000°,λ-86.00000°. NP2:ϕ_s47.00000°,δ65.00000°,λ-92.00000°. Principal axes: T 2.4400,Plg20.0000°,Azm138.0000°; N 0.2400,Plg2.0000°,Azm48.0000° ; P -2.6800,Plg70.0000°,Azm313.0000° M_o2.60000×10^{17}

ISC VIII 02 07 00 00.9–5.6 60.4S–.10 26.6W–.30 64–53 4.2b 15 18-153
IDC VIII 02 06 59 52.4–.77 60.38S 26.72W 0 4.2,4.2 **¶11907694**
NEIC VIII 02 06 59 57.9–.49 60.35S 26.50W 35 4.5b,4.2
ISCJB VIII 02 06 59 58.5–5.9 60.4S–.10 26.5W–.30 58–55 4.2b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC VIII 03 21 12 03.2–.59 57.7S–.10 25.7W–.20 10 4.2b,3.6s 14 31-152
ISCJB VIII 03 21 12 01.3–.59 57.7S–.10 25.8W–.20 10 4.2b,3.6s **¶11907743**
IDC VIII 03 21 12 01.4–.74 57.68S 25.70W 0 4.1,4.1
NEIC VIII 03 21 12 06.5–.32 57.68S 25.78W 35 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=15.2km az=43.4.
IDC Error ellipse: s-maj=26.9km s-min=23.3km az=61.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=10.0km az=220.0.

ISC VIII 04 06 52 29.2–.78 60.7S–.20 26.7W–.40 10 4.3b,3.7s 9 12-153
ISCJB VIII 04 06 52 27.2–.78 60.7S–.20 26.7W–.40 10 4.3b,3.7s **¶11907762**
IDC VIII 04 06 52 28.1–.81 60.55S 26.75W 0 4.3,4.2
NEIC VIII 04 06 52 29.6–.50 60.54S 26.69W 10 4.9b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.8km s-min=13.0km az=41.3.
IDC Error ellipse: s-maj=35.0km s-min=22.0km az=55.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=11.9km az=223.0.

ISC VIII 05 04 27 54.3–6.3 58.2S–.10 26.0W–.20 89–62 4.5b 20 20-154
ISCJB VIII 05 04 27 50.3–7.9 58.2S–.10 25.9W–.20 69–75 4.5b **¶11907778**
IDC VIII 05 04 27 53.8–.66 58.18S 26.03W 84–5 4.1,4.1
NEIC VIII 05 04 27 55.9–3.2 58.18S 26.00W 105–29 4.8b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=14.0km az=40.0.
IDC Error ellipse: s-maj=18.8km s-min=14.4km az=48.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.0km az=221.0.

ISC VIII 06 11 31 54.5–.48 55.18S–.07 29.9W–.10 10 4.2b,3.9s 20 18-157
ISCJB VIII 06 11 31 52.6–.47 55.15S–.07 29.9W–.10 10 4.2b,3.9s **¶11907822**
IDC VIII 06 11 31 53.3–.56 55.12S 29.90W 0 5.2L,4.3b
NEIC VIII 06 11 31 54.7–.28 55.12S 29.92W 10 4.4b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=9.8km az=145.3.
IDC Error ellipse: s-maj=19.5km s-min=17.2km az=18.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.2km az=175.0.

ISC VIII 06 12 19 11.6–.57 58.9S–.10 25.2W–.20 10 4.2b,3.6s 18 14-153
ISCJB VIII 06 12 19 09.7–.58 58.9S–.10 25.2W–.20 10 4.2b,3.6s **¶11907824**
IDC VIII 06 12 19 11.1–.68 58.67S 25.18W 0 4.2,4.1b
NEIC VIII 06 12 19 16.2–.38 58.65S 25.20W 35 4.7b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=11.3km az=138.4.
IDC Error ellipse: s-maj=25.7km s-min=18.9km az=12.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=11.8km az=197.0.

NEIC VIII 06 13 59 25.4–.85 58.65S 25.21W 35 3.8b
IDC VIII 06 13 59 20.0–1.3 58.70S 25.26W 0 3.9,3.7b **¶11907826**
NEIC Event type se. Error ellipse: s-maj=49.1km s-min=31.7km az=186.0.
IDC Error ellipse: s-maj=64.8km s-min=43.4km az=174.0.

ISC VIII 06 14 45 36.4–.42 58.75S–.07 25.1W–.10 10 4.9b,4.3s 28 14-156
ISCJB VIII 06 14 45 34.9–.43 58.64S–.08 25.1W–.10 10 4.9b,4.3s **¶11652822**
IDC VIII 06 14 45 34.8–.47 58.65S 25.16W 0 4.7,4.6
NEIC VIII 06 14 45 35.2–4.5 58.67S 25.11W 2–26 5.4b,4.6
BJI VIII 06 14 45 36.9 58.70S 25.10W 9 5.4b,4.6
GCMT VIII 06 14 45 42.3–.30 59.04S 24.60W 30–0 5.0W,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=10.3km az=23.8.
IDC Error ellipse: s-maj=20.0km s-min=15.5km az=34.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.2km az=182.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c65; s54,c73; Moment tensor: Scale 10^{16}Nm; M_{rr}3.69±.19 $M_{\theta\theta}$0.45±.16; $M_{\phi\phi}$-4.14±.13; $M_{r\theta}$0.49±.28; $M_{\theta\phi}$0.09±.12; $M_{\phi r}$-0.08±.18; Best double couple: NP1:ϕ_s7.00000°,δ45.00000°,λ102.00000°. NP2:ϕ_s171.00000°,δ46.00000°,λ78.00000°. Principal axes: T 3.7600,Plg82.0000° ,Azm3.0000°; N 0.3800,Plg8.0000°,Azm179.0000°; P -4.1400,Plg1.0000°,Azm269.0000° M_o4.00000×10^{16}

IDC VIII 06 19 33 11.5–1.8 59.04S 24.68W 0 7.0,7.0
¶12580943
IDC Error ellipse: s-maj=100.9km s-min=68.2km az=128.0.

IDC VIII 06 22 27 01.1–2.2 58.63S 25.51W 0 4.0b,4.0
¶12580946
IDC Error ellipse: s-maj=91.3km s-min=46.7km az=161.0.

ISC VIII 06 23 11 59.7–.66 58.6S–.10 25.2W–.20 10 4.3b 13 32-153
ISCJB VIII 06 23 11 57.6–.66 58.6S–.10 25.2W–.20 10 4.3b **¶11907837**
IDC VIII 06 23 11 58.3–.92 58.61S 25.20W 0 4.2,4.1b
NEIC VIII 06 23 12 03.1–.39 58.63S 25.26W 35 4.4b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=15.0km az=16.3.
IDC Error ellipse: s-maj=32.1km s-min=26.5km az=50.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.1km az=196.0.

ISC VIII 07 00 14 32.3–4.0 58.72S–.09 25.0W–.20 45–38 4.4b 27 14-153
NEIC VIII 07 00 14 34.5–1.8 58.71S 24.97W 67–16 4.4b **¶11907844**
IDC VIII 07 00 14 34.1–10 58.72S 24.89W 62–84 4.1b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.9km az=170.0.
IDC Error ellipse: s-maj=40.6km s-min=18.7km az=110.0.

ISC VIII 08 01 09 22.3–.37 56.86S–.07 26.0W–.10 10 4.8b,4.2s 32 16-153
ISCJB VIII 08 01 09 20.4–.38 56.83S–.07 25.9W–.10 10 4.8b,4.2s **¶11180488**
NEIC VIII 08 01 09 27.9–1.9 56.83S 25.95W 55–16 4.8b,4.2s
IDC VIII 08 01 09 28.3–4.6 56.86S 26.02W 59–41 5.4L,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=9.7km az=1.7.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.9km az=178.0.
IDC Error ellipse: s-maj=18.3km s-min=15.2km az=21.0.

IDC VIII 08 07 57 19.6–.90 59.59S 30.02W 0 4.2,4.1s
¶12580977
IDC Error ellipse: s-maj=45.8km s-min=21.2km az=62.0.

IDC VIII 08 12 54 16.7–2.2 57.46S 24.84W 0 4.8,4.7
¶12580984
IDC Error ellipse: s-maj=93.0km s-min=29.1km az=179.0.

IDC VIII 10 08 11 02.8–2.3 57.36S 25.29W 0 4.2,4.0b
¶12581006
IDC Error ellipse: s-maj=82.5km s-min=38.3km az=1.0.

ISC VIII 10 13 24 53.5–.84 61.1S–.20 26.5W–.40 10 4.0b 9 12-154
ISCJB VIII 10 13 24 51.2–.84 61.2S–.20 26.5W–.40 10 4.0b **¶11908037**
IDC VIII 10 13 24 54.1–3.2 60.64S 26.67W 0 4.1,4.0b
NEIC VIII 10 13 24 55.5–2.2 60.69S 26.61W 10 4.1,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.4km s-min=15.5km az=138.4.
IDC Error ellipse: s-maj=94.8km s-min=31.0km az=177.0.
NEIC Event type se. Error ellipse: s-maj=68.5km s-min=23.5km az=178.0.

ISC VIII 13 11 03 02.7–.52 60.9S–.10 25.5W–.20 10 4.3b,3.8s 19 12-154
ISCJB VIII 13 11 03 01.2–.55 60.8S–.10 25.5W–.20 10 4.3b,3.8s **¶11908151**
IDC VIII 13 11 03 02.2–.50 60.66S 25.58W 0 4.4,4.3
NEIC VIII 13 11 03 03.6–.28 60.65S 25.59W 10 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=11.5km az=38.4.
IDC Error ellipse: s-maj=23.4km s-min=15.7km az=49.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.1km az=220.0.

ISC VIII 15 03 38 17.3–.35 58.38S–.07 22.8W–.10 10 4.9b,4.6s 40 14-154
ISCJB VIII 15 03 38 15.5–.35 58.36S–.07 22.8W–.10 10 4.9b,4.6s **¶11227204**
IDC VIII 15 03 38 15.9–.51 58.34S 22.90W 0 4.7,4.7
NEIC VIII 15 03 38 17.4–.24 58.33S 22.87W 10 5.1b,4.7
GCMT VIII 15 03 38 20.8–.20 58.69S 22.64W 14–1 5.2W,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=9.0km az=27.6.
IDC Error ellipse: s-maj=20.3km s-min=15.3km az=29.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.7km az=177.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s53,c80; s93,c137; Moment tensor: Scale 10^{16}Nm; M_{rr}0.38±.16 $M_{\theta\theta}$-5.27±.19; $M_{\phi\phi}$4.90±.18; $M_{r\theta}$1.08±.35; $M_{\theta\phi}$5.25±.17; $M_{\phi r}$1.46±.36; Best double couple: NP1:ϕ_s337.00000°,δ78.00000°,λ172.00000°. NP2:ϕ_s69.00000°,δ83.00000°,λ12.00000°. Principal axes: T 7.5600,Plg14.0000° ,Azm293.0000°; N -0.0300,Plg76.0000°,Azm100.0000°; P -7.5200,Plg3.0000° ,Azm203.0000° M_o7.50000×10^{16}

ISC VIII 17 07 18 03.5–1.2 56.3S–.20 26.7W–.40 10 4.3b 4 30-152
ISCJB VIII 17 07 18 01.4–1.2 56.3S–.20 26.7W–.40 10 4.3b **¶11908343**
IDC VIII 17 07 18 01.4–1.9 56.39S 26.77W 0 4.5,4.3b
NEIC VIII 17 07 18 06.8–.57 56.35S 26.73W 35 4.4b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.1km s-min=24.2km az=154.5.
IDC Error ellipse: s-maj=76.5km s-min=40.5km az=1.0.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=18.3km az=57.0.

ISC VIII 17 22 51 12.3–.65 58.4S–.10 25.4W–.20 35 4.2b 14 19-152
IDC VIII 17 22 51 07.3–.92 58.32S 25.34W 0 4.2b,4.2 **¶11908377**
ISCJB VIII 17 22 51 10.4–.65 58.4S–.10 25.4W–.20 35 4.2b,4.2
NEIC VIII 17 22 51 12.2–.32 58.33S 25.37W 35 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=25.6km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=12.4km az=173.6.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.5km az=177.0.

ISC VIII 18 00 36 23.3–.37 58.36S–.06 25.6W–.10 10 4.6b,3.7s 33 19-154
ISCJB VIII 18 00 36 21.4–.37 58.32S–.07 25.7W–.10 10 4.6b,3.7s **¶11908379**
IDC VIII 18 00 36 26.8–7.3 58.31S 25.65W 33–54 4.3,4.3
NEIC VIII 18 00 36 27.1–1.6 58.32S 25.66W 38–13 4.7b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=9.4km az=167.1.
IDC Error ellipse: s-maj=19.3km s-min=15.6km az=42.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=6.0km az=147.0.

IDC VIII 21 08 05 21.2–1.8 58.66S 25.28W 0 3.8b,3.8
¶12581256
IDC Error ellipse: s-maj=86.2km s-min=61.9km az=159.0.

ISC VIII 21 19 09 47.2–.39 58.70S–.06 25.1W–.10 10 4.7b 31 14-174
ISCJB VIII 21 19 09 45.6–.39 58.57S–.07 25.2W–.10 10 4.7b **¶11232310**
IDC VIII 21 19 09 45.6–.41 58.58S 25.21W 0 4.6s,4.6
NEIC VIII 21 19 09 49.5–3.6 58.57S 25.13W 26–24 5.0b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=10.2km az=22.0.
IDC Error ellipse: s-maj=17.8km s-min=13.9km az=31.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.3km az=182.0.

ISC VIII 21 19 13 39.8–.33 58.66S–.06 25.2W–.10 10 4.9b,4.6s 38 14-174
ISCJB VIII 21 19 13 38.2–.34 58.56S–.06 25.1W–.10 10 4.9b,4.6s **¶13392281**
IDC VIII 21 19 13 38.0–.36 58.62S 25.21W 0 4.9,4.9b
BJI VIII 21 19 13 43.5 58.60S 25.10W 44 4.6,4.9b
NEIC VIII 21 19 13 44.5–1.9 58.60S 25.15W 45–15 4.9b,4.9b
GCMT VIII 21 19 13 46.5–.20 58.98S 24.72W 31–0 5.3W,4.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=9.0km az=146.9.
IDC Error ellipse: s-maj=16.3km s-min=12.9km az=37.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=7.0km az=193.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s72,c113; s82,c128; Moment tensor: Scale 10^{17}Nm; M_{rr}0.82±.03 $M_{\theta\theta}$0.24±.02; $M_{\phi\phi}$-1.06±.02; $M_{r\theta}$-0.01±.03; $M_{\theta\phi}$0.05±.02; $M_{\phi r}$0.20±.03; Best double couple: NP1:ϕ_s178.00000°,δ39.00000°,λ91.00000°. NP2:ϕ_s358.00000°,δ51.00000°,λ89.00000°. Principal axes: T 0.8400,Plg84.0000° ,Azm264.0000°; N 0.2400,Plg0.0000°,Azm358.0000°; P -1.0800,Plg6.0000°,Azm88.0000° M_o0.96000×10^{17}

IDC VIII 21 19 31 18.5–1.2 58.78S 25.25W 0 3.9,3.8b
¶12581269
IDC Error ellipse: s-maj=51.2km s-min=31.3km az=90.0.

IDC VIII 21 19 41 12.6–3.5 59.76S 23.47W 0 3.9b,3.9
¶12581270
IDC Error ellipse: s-maj=277.3km s-min=73.6km az=133.0.

IDC VIII 21 20 23 21.5–1.9 58.78S 25.32W 0 4.1,4.0b
¶12581272
IDC Error ellipse: s-maj=75.7km s-min=47.0km az=180.0.

IDC VIII 21 20 37 40.6–3.2 58.57S 25.56W 0 4.1,3.9
¶12581273
IDC Error ellipse: s-maj=112.8km s-min=36.2km az=168.0.

IDC VIII 21 20 38 14.3–1.9 59.01S 25.39W 0 4.1,4.0b
¶12581274
IDC Error ellipse: s-maj=77.1km s-min=46.0km az=1.0.

IDC VIII 21 23 27 53.6–2.0 56.94S 27.35W 0 3.7b,3.7
¶12581276
IDC Error ellipse: s-maj=111.7km s-min=72.4km az=132.0.

ISC VIII 22 15 09 49.8–.51 58.92S–.09 25.1W–.20 35 4.2b,3.9s 23 14-155
IDC VIII 22 15 09 45.6–.60 58.64S 25.20W 0 4.3,4.2 **¶11908592**
ISCJB VIII 22 15 09 47.6–.53 58.97S–.09 25.2W–.20 35 4.2b,3.9s
NEIC VIII 22 15 09 50.5–.33 58.65S 25.04W 35 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=16.8km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=10.4km az=135.9.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.5km az=186.0.

ISC VIII 22 17 39 00.6–.35 58.68S–.06 25.2W–.10 10 4.8s,4.8b 42 14-174
ISCJB VIII 22 17 38 58.7–.35 58.67S–.06 25.1W–.10 10 4.8s,4.7b **¶13392341**
IDC VIII 22 17 38 58.8–.40 58.64S 25.08W 0 4.9L,4.7b
NEIC VIII 22 17 38 59.9–4.9 58.60S 25.05W 8–29 4.8b,4.7b
GCMT VIII 22 17 39 08.6–.20 58.91S 24.78W 30–0 5.3W,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.5km az=146.2.
IDC Error ellipse: s-maj=15.7km s-min=14.1km az=30.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.5km az=214.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s69,c105; s82,c127; Moment tensor: Scale 10^{17}Nm; M_{rr}0.85±.03 $M_{\theta\theta}$0.39±.03; $M_{\phi\phi}$-1.24±.02; $M_{r\theta}$-0.13±.04; $M_{\theta\phi}$0.27±.02; $M_{\phi r}$0.23±.04; Best double couple: NP1:ϕ_s183.00000°,δ40.00000°,λ107.00000°. NP2:ϕ_s341.00000°,δ53.00000°,λ77.00000°. Principal axes: T 0.8900,Plg77.0000° ,Azm202.0000°; N 0.4200,Plg11.0000°,Azm349.0000°; P -1.3100,Plg7.0000°,Azm81.0000° M_o1.10000×10^{17}

ISC VIII 22 18 04 38.9–.39 58.67S–.07 25.1W–.10 10 4.4b 30 14-154
ISCJB VIII 22 18 04 37.1–.40 58.60S–.07 25.0W–.10 10 4.4b **¶11908596**
IDC VIII 22 18 04 37.2–.48 58.66S 25.14W 0 4.3,4.3
NEIC VIII 22 18 04 42.7–2.5 58.61S 25.04W 36–21 4.4b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=9.9km az=27.9.
IDC Error ellipse: s-maj=18.9km s-min=15.2km az=14.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.1km az=186.0.

ISC VIII 22 22 04 11.0–.37 58.77S–.07 25.2W–.10 10 4.7b,4.4s 31 14-155
ISCJB VIII 22 22 04 09.3–.38 58.70S–.08 25.1W–.10 10 4.7b,4.4s **¶11232315**
IDC VIII 22 22 04 09.1–.48 58.68S 25.16W 0 4.6,4.5
NEIC VIII 22 22 04 17.3–.16 58.72S 25.18W 55 4.7b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=9.8km az=38.3.
IDC Error ellipse: s-maj=20.0km s-min=15.7km az=32.0.

NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.9km az=207.0.
IDC VIII 22 22 12 03.0–1.0 58.66S 24.92W 0 3.8b,3.8
¶12581298

IDC Error ellipse: s-maj=74.1km s-min=32.2km az=97.0.
ISC VIII 22 22 57 28.1–.48 58.67S–.09 25.1W–.20 10 4.1b 20 19-154
ISCJB VIII 22 22 57 26.2–.48 58.65S–.09 25.1W–.20 10 4.1b **¶11908605**
IDC VIII 22 22 57 26.4–.62 58.70S 25.14W 0 4.1,4.0b
NEIC VIII 22 22 57 30.2–4.8 58.64S 25.19W 24–33 4.3b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=10.9km az=43.8.
IDC Error ellipse: s-maj=22.8km s-min=17.8km az=7.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.0km az=48.0.
ISC VIII 22 22 58 55.6–.51 58.71S–.10 25.3W–.20 10 4.1b 18 19-154
ISCJB VIII 22 22 58 53.7–.51 58.69S–.10 25.4W–.20 10 4.1b **¶11908606**
IDC VIII 22 22 58 54.1–.64 58.76S 25.38W 0 4.2,4.1b
NEIC VIII 22 22 58 59.8–.25 58.68S 25.31W 35 4.3b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=11.8km az=42.9.
IDC Error ellipse: s-maj=26.2km s-min=18.8km az=6.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.9km az=211.0.
IDC VIII 22 23 14 41.7–3.5 58.94S 25.12W 0 4.1,4.0b
¶12581299

IDC Error ellipse: s-maj=153.6km s-min=40.9km az=159.0.
IDC VIII 22 23 36 35.9–1.7 58.90S 25.11W 0 4.1,4.0
¶12581300

IDC Error ellipse: s-maj=73.2km s-min=34.9km az=176.0.
IDC VIII 23 01 57 25.0–1.7 58.80S 25.34W 0 3.8b,3.8
¶12581302

IDC Error ellipse: s-maj=93.6km s-min=66.1km az=143.0.
ISC VIII 23 03 29 09.4–.53 58.2S–.10 22.1W–.20 10 4.3b,3.6s 17 14-154
IDC VIII 23 03 29 06.9–.79 58.36S 22.08W 0 4.5,4.4 **¶11908623**
ISCJB VIII 23 03 29 07.5–.53 58.1S–.10 22.1W–.20 10 4.3b,3.6s
NEIC VIII 23 03 29 14.2–3.6 58.08S 22.07W 47–32 4.3b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=19.2km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=11.8km az=36.9.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.0km az=201.0.
ISC VIII 23 04 21 22.9–2.8 58.09S–.08 25.9W–.10 54–27 4.6b,3.7s 30 15-154
ISCJB VIII 23 04 21 20.4–3.5 58.05S–.08 25.8W–.10 47–33 4.6b,3.7s **¶11908624**
NEIC VIII 23 04 21 24.9–1.8 58.07S 25.92W 73–15 4.7b,3.7s
IDC VIII 23 04 21 26.0–.68 58.12S 25.93W 83–5 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=11.1km az=25.4.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.6km az=185.0.
IDC Error ellipse: s-maj=15.1km s-min=12.6km az=0.0.
ISC VIII 24 02 04 11.2–.54 56.08S–.10 26.8W–.20 10 4.4b,3.3s 18 20-151
IDC VIII 24 02 04 08.8–.64 56.06S 26.83W 0 4.4,4.4 **¶11908667**
ISCJB VIII 24 02 04 09.3–.53 56.05S–.10 26.8W–.20 10 4.4b,3.3s
NEIC VIII 24 02 04 24.5–4.3 56.07S 26.83W 130–40 4.5b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=18.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=13.6km az=151.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=13.5km az=175.0.
ISC VIII 24 03 52 36.5–.76 56.6S–.10 27.0W–.20 35 3.9b 10 20-151
IDC VIII 24 03 52 30.0–.71 56.45S 26.69W 0 4.9L,4.1 **¶11908669**
ISCJB VIII 24 03 52 34.5–.76 56.6S–.10 27.0W–.20 35 3.9b,4.1
NEIC VIII 24 03 52 35.2–.63 56.49S 26.70W 35 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=21.3km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=16.4km az=157.1.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=18.7km az=65.0.
IDC VIII 25 06 25 53.4–4.0 56.84S 26.38W 0 4.0,3.9b
¶12581370

IDC Error ellipse: s-maj=139.0km s-min=53.5km az=173.0.
IDC VIII 25 17 04 05.3–1.7 57.45S 25.88W 0 4.3,4.1b
¶12581393

IDC Error ellipse: s-maj=68.0km s-min=38.2km az=1.0.
ISC VIII 26 00 55 31.1–4.6 55.97S–.08 27.6W–.10 131–45 4.2b 33 20-151
ISCJB VIII 26 00 55 29.3–5.4 55.92S–.08 27.6W–.10 131–52 4.2b **¶11908820**
NEIC VIII 26 00 55 32.8–2.5 55.97S 27.64W 149–23 4.4b
IDC VIII 26 00 55 32.5–2.8 55.97S 27.56W 144–25 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=11.7km az=33.4.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.8km az=198.0.
IDC Error ellipse: s-maj=17.2km s-min=12.9km az=41.0.
ISC VIII 26 22 41 17.1–.58 56.46S–.08 25.3W–.20 10 4.1b 14 16-151
ISCJB VIII 26 22 41 15.1–.57 56.46S–.08 25.4W–.20 10 4.1b **¶11908884**
IDC VIII 26 22 41 15.4–1.7 56.46S 25.36W 0 4.1,4.0b
NEIC VIII 26 22 41 20.6–.41 56.46S 25.54W 35 4.2b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=11.3km az=166.8.
IDC Error ellipse: s-maj=65.0km s-min=36.6km az=10.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=11.2km az=113.0.
ISC VIII 28 16 52 28.1–.52 56.23S–.08 30.5W–.20 10 4.5b,4.4s 24 17-153
ISCJB VIII 28 16 52 26.2–.52 56.21S–.08 30.5W–.20 10 4.5b,4.4s **¶11909016**
IDC VIII 28 16 52 26.8–.70 56.16S 30.40W 0 4.4s,4.4
NEIC VIII 28 16 52 32.5–4.9 56.21S 30.60W 44–45 4.8b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=9.4km az=141.7.
IDC Error ellipse: s-maj=22.5km s-min=18.3km az=48.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=12.9km az=49.0.
ISC VIII 28 23 41 42.2–.45 56.35S–.07 30.6W–.10 10 4.5s,4.4b 25 17-149
ISCJB VIII 28 23 41 40.3–.45 56.33S–.07 30.6W–.10 10 4.5s,4.4b **¶11909039**
IDC VIII 28 23 41 41.2–1.1 56.27S 30.78W 0 4.5L,4.4s
NEIC VIII 28 23 41 42.4–.43 56.28S 30.62W 10 4.7b,4.4s
GCMT VIII 28 23 41 45.6–.20 56.41S 30.47W 19–1 5.2W,4.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=8.8km az=137.1.
IDC Error ellipse: s-maj=31.5km s-min=24.0km az=87.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.4km az=186.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c49; s77,c133; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.49±.21 $M_{\theta\theta}$-1.41±.19; $M_{\phi\phi}$1.90±.20; $M_{r\theta}$1.90±.40; $M_{\theta\phi}$6.70±.18; $M_{\phi r}$1.28±.38; Best double couple: NP1:ϕ_s352.00000°,δ75.00000°,λ174.00000°. NP2:ϕ_s84.00000°,δ84.00000°,λ15.00000°. Principal axes: T 7.7300,Plg15.0000° ,Azm309.0000°; N -0.9800,Plg74.0000°,Azm103.0000°; P -6.7400,Plg7.0000° ,Azm217.0000° M_o7.20000×10^{16}
ISC VIII 30 07 21 19.4–2.3 56.25S–.08 27.0W–.10 74–21 4.6b 40 17-158
ISCJB VIII 30 07 21 17.2–2.5 56.18S–.08 26.9W–.10 68–22 4.6b **¶11909111**
IDC VIII 30 07 21 22.9–1.2 56.18S 26.95W 107–9 4.4,4.4
NEIC VIII 30 07 21 24.5–2.0 56.19S 26.93W 124–17 4.8b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=11.4km az=139.4.
IDC Error ellipse: s-maj=14.4km s-min=10.0km az=32.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.8km az=46.0.
ISC IX 01 04 07 35.2–.65 61.2S–.10 23.8W–.30 10 4.2b 15 11-155
IDC IX 01 04 07 36.3–.77 60.52S 23.72W 0 5.7L,4.4 **¶11909198**
NEIC IX 01 04 07 37.6–.53 60.40S 23.69W 10 4.4b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=19.0km az=11.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=14.4km az=187.0.
ISC IX 01 19 54 38.7–.36 58.01S–.06 25.5W–.10 10 5.0b,4.0s 37 15-154
ISCJB IX 01 19 54 36.9–.36 57.99S–.06 25.4W–.10 10 5.0b,4.0s **¶11230910**
IDC IX 01 19 54 37.0–.42 57.89S 25.48W 0 5.2L,4.8b
NEIC IX 01 19 54 45.4–1.8 57.92S 25.54W 60–15 5.1b,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=7.7km az=153.9.
IDC Error ellipse: s-maj=17.9km s-min=14.0km az=36.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.2km az=220.0.
ISC IX 02 20 21 26.5–4.8 56.4S–.20 26.6W–.20 67–50 4.3b 14 17-151
ISCJB IX 02 20 21 24.1–5.3 56.4S–.20 26.6W–.20 60–53 4.4b **¶11909307**
IDC IX 02 20 21 28.7–12 56.55S 26.52W 91–103 4.2b,4.2
NEIC IX 02 20 21 29.5–.49 56.45S 26.56W 100 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=17.0km az=15.2.
IDC Error ellipse: s-maj=44.1km s-min=24.2km az=1.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.9km az=170.0.
ISC IX 03 22 21 07.0–2.8 58.5S–.10 26.2W–.10 85–28 4.1b 34 14-152
ISCJB IX 03 22 21 05.2–3.2 58.43S–.10 26.1W–.10 83–31 4.1b **¶11909412**
IDC IX 03 22 21 08.7–5.8 58.58S 26.26W 106–53 3.9,3.8b
NEIC IX 03 22 21 12.4–2.6 58.38S 26.26W 136–25 4.4b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=11.2km az=13.2.
IDC Error ellipse: s-maj=20.0km s-min=14.9km az=14.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.4km az=186.0.
IDC IX 04 05 19 04.2–3.9 59.19S 27.62W 0 4.8b,4.8
¶11909436

IDC Error ellipse: s-maj=166.8km s-min=45.6km az=165.0.
ISC IX 04 07 04 42.8–1.7 55.2S–.20 28.1W–.40 35 3.9b 6 20-151
IDC IX 04 07 04 36.6–1.8 55.42S 27.89W 0 4.2,4.0b **¶11909443**
ISCJB IX 04 07 04 40.4–1.7 55.3S–.20 28.1W–.40 35 3.9b,4.0b
NEIC IX 04 07 04 42.3–.88 55.20S 28.01W 35 4.5b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=80.0km s-min=34.4km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=39.7km s-min=24.8km az=34.5.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=20.6km az=143.0.
IDC IX 04 09 04 36.5–6.7 56.06S 28.61W 252–66 3.7,3.6b
NEIC IX 04 09 04 38.5–6.0 56.01S 28.60W 272–58 3.7,3.6b **¶11909449**
IDC Error ellipse: s-maj=23.3km s-min=20.8km az=41.0.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=22.6km az=143.0.
ISC IX 05 16 45 49.2–.38 55.76S–.06 26.8W–.10 10 4.6b,4.1s 36 17-155
ISCJB IX 05 16 45 47.4–.38 55.74S–.06 26.8W–.10 10 4.6b,4.1s **¶11265451**
IDC IX 05 16 45 52.3–2.3 55.74S 26.86W 30–15 4.5,4.5
NEIC IX 05 16 45 53.5–1.9 55.74S 26.80W 42–16 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.7km az=143.4.
IDC Error ellipse: s-maj=16.9km s-min=13.4km az=18.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.8km az=201.0.
ISC IX 13 16 10 04.8–4.4 60.10S–.10 27.4W–.20 52–42 4.2b,3.8s 20 17-153
ISCJB IX 13 16 10 01.8–6.1 60.07S–.10 27.4W–.20 41–57 4.2b,3.8s **¶11910195**
IDC IX 13 16 10 05.6–2.0 60.07S 27.38W 62–15 4.1,4.0
NEIC IX 13 16 10 15.1–3.6 60.01S 27.24W 150–33 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=13.5km az=43.9.
IDC Error ellipse: s-maj=27.8km s-min=17.7km az=44.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=13.1km az=213.0.
IDC IX 15 01 37 12.5–2.1 56.38S 27.47W 0 4.1,4.0b
¶11910303

IDC Error ellipse: s-maj=80.4km s-min=44.1km az=180.0.
ISC IX 18 10 30 34.6–3.8 57.5S–.10 26.1W–.20 66–37 4.2b 18 17-153
ISCJB IX 18 10 30 32.5–4.4 57.4S–.10 26.1W–.20 62–41 4.3b **¶11910545**
NEIC IX 18 10 30 34.9–1.6 57.46S 26.06W 69–14 4.3b
IDC IX 18 10 30 35.2–2.1 57.47S 26.06W 70–17 4.2,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=14.5km az=36.8.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.0km az=215.0.
IDC Error ellipse: s-maj=17.9km s-min=13.8km az=51.0.
IDC IX 18 10 52 58.2–4.3 56.27S 29.76W 0 3.7b,3.7
¶11910548

IDC Error ellipse: s-maj=254.6km s-min=77.7km az=146.0.
IDC IX 18 12 30 08.4–3.3 57.58S 25.81W 0 4.1,3.9b
¶11910551

IDC Error ellipse: s-maj=118.5km s-min=51.3km az=171.0.
ISC IX 20 23 19 27.4–.55 55.78S–.10 27.0W–.20 10 4.3b,3.6s 18 19-150
ISCJB IX 20 23 19 25.6–.55 55.71S–.10 26.9W–.20 10 4.3b,3.6s **¶11910743**
IDC IX 20 23 19 25.8–.58 55.75S 27.03W 0 4.3,4.3b
NEIC IX 20 23 19 30.1–5.4 55.79S 27.08W 29–38 4.6b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=11.7km az=43.8.
IDC Error ellipse: s-maj=20.8km s-min=16.5km az=48.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.7km az=219.0.
ISC IX 24 01 08 37.5–1.2 55.4S–.20 28.9W–.60 10 4.1b 4 18-149
ISCJB IX 24 01 08 35.6–1.2 55.3S–.20 28.9W–.60 10 4.1b **¶11910907**
IDC IX 24 01 08 36.1–3.8 55.27S 29.05W 0 4.1b
ISCJB Error ellipse: s-maj=52.0km s-min=18.2km az=156.9.
IDC Error ellipse: s-maj=128.9km s-min=46.7km az=174.0.
ISC IX 25 02 22 42.2–2.8 59.1S–.10 26.7W–.20 154–29 4.3b 29 14-152
ISCJB IX 25 02 22 41.6–2.6 59.06S–.09 26.7W–.20 166–26 4.3b **¶11910982**
IDC IX 25 02 22 43.2–4.7 59.08S 26.75W 166–45 3.9b,3.9
NEIC IX 25 02 22 43.9–2.3 59.10S 26.73W 174–22 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=10.9km az=136.3.
IDC Error ellipse: s-maj=18.1km s-min=12.6km az=38.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.4km az=219.0.
ISC IX 28 16 47 05.1–.44 60.95S–.07 25.5W–.20 10 4.2b,3.6s 29 12-154
ISCJB IX 28 16 47 02.4–.47 61.05S–.08 25.5W–.20 10 4.2b,3.6s **¶11911279**
IDC IX 28 16 47 05.0–.63 60.53S 25.59W 0 4.2,4.2b
NEIC IX 28 16 47 06.8–9.0 60.60S 25.62W 13–55 4.6b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=8.6km az=137.9.
IDC Error ellipse: s-maj=24.3km s-min=17.9km az=25.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=12.1km az=183.0.
ISC IX 29 08 36 40.6–.68 60.2S–.10 25.7W–.30 10 4.2b,3.6s 22 13-153
ISCJB IX 29 08 36 38.4–.70 60.2S–.10 25.7W–.30 10 4.2b,3.6s **¶11911326**
IDC IX 29 08 36 40.6–.67 59.83S 25.91W 0 4.2,4.1
NEIC IX 29 08 36 46.1–.44 59.85S 25.91W 35 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.8km s-min=8.5km az=141.0.
IDC Error ellipse: s-maj=27.4km s-min=17.8km az=37.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.7km az=207.0.
ISC IX 30 06 57 47.2–8.2 58.6S–.20 25.8W–.30 23–61 3.9b 12 14-152
NEIC IX 30 06 57 52.9–3.6 58.65S 25.78W 78–34 3.8b **¶11911440**
IDC IX 30 06 57 52.5–7.0 58.66S 25.79W 72–65 3.8L,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=16.7km az=49.0.
IDC Error ellipse: s-maj=25.5km s-min=22.4km az=59.0.
ISC X 01 19 58 18.5–.80 56.9S–.10 23.3W–.30 10 4.1b,4.0s 12 17-152
ISCJB X 01 19 58 16.6–.80 56.9S–.10 23.3W–.30 10 4.1b,4.0s **¶11911579**
IDC X 01 19 58 16.5–.87 56.92S 23.29W 0 4.2,4.1b
NEIC X 01 19 58 21.6–.49 56.95S 23.28W 35 4.1b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=15.5km az=153.8.
IDC Error ellipse: s-maj=30.8km s-min=24.4km az=48.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=12.0km az=63.0.
ISC X 04 07 56 50.9–2.1 59.45S–.04 25.90W–.06 21–14 5.7b,5.3s 209 13-173
ISCJB X 04 07 56 47.6–.18 59.36S–.04 25.90W–.06 10 5.7b,5.3s **¶13395946**
DJA X 04 07 56 50 59.24S 26.46W 20 5.8b,5.3s
BJI X 04 07 56 51.4 59.30S 26.00W 35 5.7s,5.6b
NEIC X 04 07 56 52.5–.11 59.34S 25.90W 35 5.8b,5.6W
MOS X 04 07 56 52.2–.98 59.40S 25.85W 37 5.9b,5.2s
IDC X 04 07 56 54.1–1.0 59.36S 26.05W 45–8 5.8L,5.4b
GCMT X 04 07 56 59.2–.10 59.74S 25.42W 42–0 5.7W,5.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=28.4.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.3km az=218.0. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}3.02 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-1.79 $M_{r\theta}$0.35 $M_{\theta\phi}$-0.68 $M_{\phi r}$0.20 Best double couple: NP1:ϕ_s37.00000°,δ49.00000°,λ94.00000°. NP2:ϕ_s211.00000° ,δ41.00000°,λ86.00000°. Principal axes: T 3.0500,Plg85.0000°,Azm338.0000° ; N -0.7800,Plg2.0000°,Azm214.0000°; P -2.2700,Plg3.0000°,Azm124.0000° M_o2.70000×10^{17}
MOS Error ellipse: s-maj=19.6km s-min=9.9km az=99.3.
IDC Error ellipse: s-maj=11.3km s-min=9.5km az=30.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=192, per= 50. Moment Tensor Solution. s96,c181; s52,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}3.74±.06

Mθθ-0.19±.05; Mϕϕ-3.55±.05; Mrθ-0.18±.05; Mθϕ-1.83±.04; Mϕr0.40±.05; Best double couple: NP1:ϕs210.00000°,δ43.00000°,λ99.00000°. NP2:ϕs18.00000°,δ47.00000°,λ82.00000°. Principal axes: T 3.7800,Plg84.0000°,Azm223.0000°; N 0.5800,Plg6.0000°,Azm23.0000° ; P -4.3600,Plg2.0000°,Azm114.0000° M0 4.10000×10^17

ISC X 04 08 46 12.0–1.1 59.4S–.20 25.5W–.40 10 4.1b 6 13-153
ISCJB X 04 08 46 10.0–1.1 59.4S–.20 25.5W–.40 10 4.1b **¶12065886**
IDC X 04 08 46 10.6–1.1 59.25S 25.56W 0 4.4,4.2b
ISCJB Error ellipse: s-maj=36.9km s-min=14.9km az=149.1.
IDC Error ellipse: s-maj=50.2km s-min=36.9km az=4.0.
ISC X 06 08 48 33.6–.95 60.6S–.20 24.2W–.50 10 4.1b 10 12-154
ISCJB X 06 08 48 31.4–.95 60.7S–.20 24.2W–.50 10 4.1b **¶12066109**
IDC X 06 08 48 33.6–.99 60.25S 24.26W 0 4.8s,4.8
ISCJB Error ellipse: s-maj=40.7km s-min=12.3km az=147.9.
IDC Error ellipse: s-maj=35.1km s-min=28.2km az=61.0.
ISC X 14 23 18 04.1–4.2 56.6S–.10 26.3W–.30 153–42 4.0b 18 16-151
IDC X 14 23 17 45.9–1.1 56.56S 26.55W 0 4.2b,4.2 **¶12068646**
NEIC X 14 23 17 51.6–.79 56.49S 26.39W 35 4.4b,4.2
ISCJB X 14 23 18 03.5–3.8 56.6S–.10 26.3W–.30 165–37 4.0b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 15 18 04 44.0–2.0 55.20S 28.28W 0 4.4,4.3
¶12068698
IDC Error ellipse: s-maj=75.9km s-min=34.9km az=13.0.
ISC X 17 01 50 28.3–.46 60.55S–.07 26.7W–.20 10 4.3b,3.5s 27 13-154
ISCJB X 17 01 50 26.3–.47 60.53S–.08 26.7W–.20 10 4.3b,3.5s **¶12068851**
IDC X 17 01 50 27.2–.58 60.37S 26.94W 0 4.4,4.3b
NEIC X 17 01 50 28.7–.31 60.40S 26.81W 10 4.6b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=8.8km az=135.0.
IDC Error ellipse: s-maj=24.3km s-min=17.2km az=30.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.4km az=203.0.
IDC X 18 01 59 23.8–3.5 56.34S 26.40W 0 4.5,4.4b
¶12068944
IDC Error ellipse: s-maj=119.8km s-min=43.9km az=171.0.
ISC X 19 02 56 07.8–2.2 56.01S–.07 28.2W–.10 101–21 4.9b 60 17-159
DJA X 19 02 55 55 55.66S 29.20W 10 5.2b **¶11360237**
ISCJB X 19 02 56 04.7–2.4 55.93S–.07 28.1W–.10 87–22 4.9b
IDC X 19 02 56 12.6–1.4 55.95S 28.24W 147–11 4.5,4.5
GCMT X 19 02 56 14.3–.20 56.01S 27.90W 131–1 5.1W,4.5
NEIC X 19 02 56 14.1–1.3 55.94S 28.19W 162–11 4.9b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=8.8km az=34.0.
IDC Error ellipse: s-maj=13.7km s-min=10.9km az=29.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s64,c86; s85,c131; Moment tensor: Scale 10^16Nm; Mrr6.04±.13 Mθθ-4.18±.21; Mϕϕ-1.86±.20; Mrθ-2.61±.14; Mθϕ1.69±.16; Mϕr-1.34±.13; Best double couple: NP1:ϕs131.00000°,δ38.00000°,λ116.00000°. NP2:ϕs279.00000°,δ56.00000°,λ71.00000°. Principal axes: T 7.0000,Plg72.0000° ,Azm143.0000°; N -1.6500,Plg16.0000°,Azm290.0000°; P -5.3500,Plg9.0000°,Azm23.0000° M0 6.20000×10^16
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.0km az=197.0.
ISC X 25 16 27 32.0–.56 56.55S–.09 24.9W–.20 10 4.2b 22 16-151
ISCJB X 25 16 27 30.1–.57 56.53S–.10 24.9W–.20 10 4.2b **¶12071086**
IDC X 25 16 27 30.9–.74 56.57S 24.90W 0 4.2b,4.2
NEIC X 25 16 27 37.1–.50 56.61S 24.96W 50 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=12.6km az=143.3.
IDC Error ellipse: s-maj=38.2km s-min=18.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=12.6km az=52.0.
ISC X 29 03 18 41.1–3.0 59.5S–.20 26.6W–.40 66–31 3.9b 18 13-150
ISCJB X 29 03 18 39.5–3.6 59.5S–.20 26.7W–.40 66–36 3.9b **¶12071417**
IDC X 29 03 18 47.9–7.2 59.55S 26.76W 130–68 3.7,3.6b
NEIC X 29 03 18 49.2–3.8 59.54S 26.70W 149–36 3.9b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=39.4km s-min=18.4km az=137.5.
IDC Error ellipse: s-maj=34.0km s-min=19.7km az=54.0.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=14.2km az=225.0.
ISC X 29 07 07 28.7–.92 56.1S–.10 26.8W–.50 10 4.1b 6 17-151
IDC X 29 07 07 25.9–.95 56.20S 26.76W 0 4.1b,4.1 **¶12071437**
ISCJB X 29 07 07 26.6–.92 56.1S–.10 26.8W–.50 10 4.1b,4.1
ISC XI 01 00 40 09.8–.94 57.8S–.20 24.8W–.50 10 3.7b 6 15-152
ISCJB XI 01 00 40 07.9–.94 57.8S–.20 24.8W–.50 10 3.7b **¶12071796**
IDC XI 01 00 40 07.2–2.6 57.96S 24.80W 0 3.9,3.8b
ISCJB Error ellipse: s-maj=43.4km s-min=12.5km az=152.6.
IDC Error ellipse: s-maj=91.3km s-min=43.7km az=177.0.
ISC XI 01 02 35 35.6–.94 61.1S–.20 26.3W–.60 10 3.8b 6 12-154
ISCJB XI 01 02 35 33.3–.94 61.1S–.20 26.3W–.60 10 3.8b **¶12071813**
IDC XI 01 02 35 36.9–3.1 60.45S 26.29W 0 4.1,3.9b
ISCJB Error ellipse: s-maj=51.7km s-min=13.0km az=148.6.
IDC Error ellipse: s-maj=98.8km s-min=41.6km az=2.0.
IDC XI 01 20 56 59.0–3.8 57.66S 24.76W 0 3.8,3.7b
¶12071906
IDC Error ellipse: s-maj=132.2km s-min=52.6km az=169.0.
ISC XI 03 15 25 27.8–4.7 55.97S–.09 27.7W–.20 137–46 4.3b 30 19-152
NEIC XI 03 15 25 27.0–.20 55.94S 27.68W 131 4.4b **¶12072135**
IDC XI 03 15 25 27.2–.71 55.95S 27.67W 131–5 4.3b,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.1km az=50.0.
IDC Error ellipse: s-maj=16.3km s-min=11.1km az=67.0.
ISC XI 04 20 05 38.6–4.4 56.4S–.10 27.4W–.40 62–44 3.8b 16 17-151
ISCJB XI 04 20 05 37.9–5.5 56.4S–.20 27.5W–.40 72–54 3.8b **¶12072289**
IDC XI 04 20 05 43.0–7.7 56.41S 27.49W 105–70 3.9L,3.8
NEIC XI 04 20 05 44.4–4.2 56.45S 27.51W 122–39 3.5b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.9km s-min=20.5km az=148.9.
IDC Error ellipse: s-maj=38.4km s-min=13.5km az=64.0.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=12.0km az=58.0.
IDC XI 06 23 39 25.1–3.6 55.93S 26.18W 0 3.9,3.7
¶12072601
IDC Error ellipse: s-maj=124.7km s-min=37.9km az=171.0.
ISC XI 07 02 00 05.3–.82 55.2S–.10 28.4W–.40 10 4.1b,3.6s 13 18-151
ISCJB XI 07 02 00 03.4–.82 55.2S–.10 28.5W–.40 10 4.1b,3.6s **¶12072612**
IDC XI 07 02 00 03.8–.79 55.18S 28.51W 0 4.0L,4.0b
NEIC XI 07 02 00 08.8–.48 55.22S 28.54W 35 4.1b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.2km s-min=13.1km az=152.2.
IDC Error ellipse: s-maj=37.3km s-min=19.5km az=61.0.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=11.6km az=61.0.
IDC XI 07 23 43 29.3–1.8 58.82S 25.25W 0 4.2,4.2b
¶12072769
IDC Error ellipse: s-maj=95.3km s-min=55.5km az=120.0.
ISC XI 08 01 54 14.8–.74 59.0S–.10 25.4W–.30 10 4.0b 17 14-154
ISCJB XI 08 01 54 12.7–.74 59.0S–.10 25.4W–.30 10 4.0b **¶12072779**
IDC XI 08 01 54 14.2–.84 58.62S 25.39W 0 4.2,4.1
NEIC XI 08 01 54 19.0–.36 58.77S 25.26W 35 4.0b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=11.6km az=150.6.
IDC Error ellipse: s-maj=33.5km s-min=26.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=12.4km az=54.0.
ISC XI 08 22 17 44.7–.59 60.5S–.10 25.2W–.30 10 4.3b,3.7s 27 12-154
ISCJB XI 08 22 17 43.0–.59 60.4S–.10 25.2W–.30 10 4.3b,3.7s **¶12072870**
IDC XI 08 22 17 43.1–.51 60.42S 25.38W 0 4.6,4.5
NEIC XI 08 22 17 49.9–4.6 60.41S 25.37W 48–40 4.3b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=11.5km az=150.3.
IDC Error ellipse: s-maj=25.6km s-min=15.4km az=63.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=11.2km az=63.0.
IDC XI 09 00 18 38.8–1.0 55.57S 28.23W 0 4.3L,3.9b
¶12072893
IDC Error ellipse: s-maj=53.9km s-min=23.9km az=79.0.
ISC XI 09 11 50 04.2–.62 58.04S–.09 25.1W–.30 10 4.1b 25 15-153
ISCJB XI 09 11 50 02.3–.62 58.01S–.09 25.1W–.30 10 4.1b **¶12072946**
IDC XI 09 11 50 02.5–.52 57.96S 25.25W 0 4.3,4.2
NEIC XI 09 11 50 08.7–.51 57.91S 25.09W 35 4.2b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=9.8km az=152.9.
IDC Error ellipse: s-maj=24.3km s-min=16.1km az=65.0.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=13.3km az=62.0.
ISC XI 13 15 10 16.6–.26 56.07S–.05 27.20W–.08 87 5.3b 110 19-176
MOS XI 13 15 10 10.8–1.7 56.12S 27.30W 52 5.7b,4.9s **¶11451615**
DJA XI 13 15 10 10 55.94S 26.97W 10 5.5b,4.9s
ISCJB XI 13 15 10 14.7–.26 55.96S–.05 27.20W–.08 85 5.3b,4.9s
IDC XI 13 15 10 15.8–.68 56.00S 27.08W 84–5 5.0,5.0
NEIC XI 13 15 10 15.9–.18 55.96S 27.23W 87 5.6W,5.6W
BJI XI 13 15 10 15.0 56.00S 27.30W 88 5.6s,5.3b
GCMT XI 13 15 10 18.2–.10 56.05S 26.93W 74–0 5.6W,5.3b
ISC Event type se.
MOS Error ellipse: s-maj=19.2km s-min=11.4km az=96.2.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.4km az=20.0.
IDC Error ellipse: s-maj=12.1km s-min=9.7km az=65.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.3km az=201.0. Moment Tensor Solution. s36 Moment tensor: Scale 10^17Nm; Mrr-2.29 Mθθ1.19 Mϕϕ1.10 Mrθ-1.89 Mθϕ1.47 Mϕr0.45 Best double couple: NP1:ϕs74.00000°,δ63.00000°,λ-61.00000°. NP2:ϕs203.00000° ,δ39.00000°,λ-134.00000°. Principal axes: T 2.8700,Plg13.0000°,Azm142.0000° ; N 0.4900,Plg25.0000°,Azm239.0000°; P -3.3600,Plg60.0000°,Azm27.0000° M0 3.10000×10^17
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=104, comp=209, per= 50. Moment Tensor Solution. s104,c204; s30,c30; Moment tensor: Scale 10^17Nm; Mrr-2.07±.03 Mθθ2.07±.04; Mϕϕ0.00±.03; Mrθ-1.58±.03; Mθϕ1.35±.03; Mϕr0.40±.03; Best double couple: NP1:ϕs219.00000°,δ37.00000°,λ-132.00000°. NP2:ϕs87.00000°,δ63.00000°,λ-64.00000°. Principal axes: T 3.0600,Plg14.0000°,Azm158.0000°; N -0.2000,Plg23.0000°,Azm254.0000° ; P -2.8500,Plg62.0000°,Azm39.0000° M0 3.00000×10^17
ISC XI 13 18 19 18.0–1.0 55.9S–.10 27.0W–.50 10 4.0b,3.7s 6 17-150
IDC XI 13 18 19 15.7–1.0 55.85S 26.97W 0 4.1,3.9s **¶12073434**
ISCJB XI 13 18 19 16.1–1.0 55.8S–.10 27.0W–.50 10 4.0b,3.7s
ISC XI 14 19 10 48.8–.41 56.51S–.06 25.4W–.10 10 4.7b,4.1s 39 16-157
ISCJB XI 14 19 10 46.9–.42 56.50S–.06 25.4W–.10 10 4.7b,4.1s **¶11490439**
NEIC XI 14 19 10 47.8–4.6 56.45S 25.45W 6–28 5.0b,4.1s
IDC XI 14 19 10 47.3–.46 56.48S 25.45W 0 4.7b,4.7
GCMT XI 14 19 10 55.3–.30 56.72S 25.50W 23–0 5.0W,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=8.3km az=155.8.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.1km az=205.0.
IDC Error ellipse: s-maj=20.6km s-min=15.9km az=76.0.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s39,c49; s50,c68; Moment tensor: Scale 10^16Nm; Mrr3.31±.19 Mθθ-1.00±.16; Mϕϕ-2.30±.14; Mrθ-1.01±.24; Mθϕ1.68±.08; Mϕr0.59±.18; Best double couple: NP1:ϕs154.00000°,δ37.00000°,λ103.00000°. NP2:ϕs317.00000°,δ54.00000°,λ80.00000°. Principal axes: T 3.5400,Plg78.0000° ,Azm191.0000°; N 0.0800,Plg8.0000°,Azm323.0000°; P -3.6200,Plg9.0000°,Azm54.0000° M0 3.60000×10^16
ISC XI 15 17 50 23.7–.37 57.31S–.06 25.0W–.10 10 4.8b,4.4s 46 15-157
ISCJB XI 15 17 50 21.8–.37 57.30S–.06 25.0W–.10 10 4.8b,4.4s **¶11473039**
IDC XI 15 17 50 26.7–2.2 57.30S 25.12W 25–13 4.6,4.6b
BJI XI 15 17 50 27.3 57.20S 24.90W 39 5.4s,5.1b
NEIC XI 15 17 50 27.0–2.5 57.20S 24.89W 36–22 4.9b,5.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=7.4km az=137.8.
IDC Error ellipse: s-maj=16.9km s-min=14.5km az=43.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.4km az=209.0.
ISC XI 17 06 46 59.3–.56 59.70S–.08 23.7W–.20 10 4.3b 34 13-154
ISCJB XI 17 06 46 57.0–.59 59.78S–.08 23.6W–.20 10 4.3b **¶12073828**
IDC XI 17 06 46 58.5–.62 59.35S 23.82W 0 4.4,4.3b
NEIC XI 17 06 46 59.9–.31 59.45S 23.72W 10 4.5b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=10.8km az=157.5.
IDC Error ellipse: s-maj=21.5km s-min=19.5km az=39.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.6km az=53.0.
IDC XI 18 23 59 39.9–.98 57.98S 22.33W 0 3.9,3.8b
¶12074079
IDC Error ellipse: s-maj=38.6km s-min=31.0km az=90.0.
ISC XI 19 05 59 47.7–1.1 59.0S–.20 25.4W–.60 10 3.7b 8 14-153
ISCJB XI 19 05 59 45.6–1.1 59.0S–.20 25.5W–.60 10 3.7b **¶12074111**
IDC XI 19 05 59 47.6–.94 58.58S 25.42W 0 4.0,3.8b
ISCJB Error ellipse: s-maj=48.9km s-min=14.5km az=155.6.
IDC Error ellipse: s-maj=43.4km s-min=30.8km az=86.0.
ISC XI 19 06 03 45.1–.81 58.9S–.10 24.9W–.30 10 4.2b 13 14-153
ISCJB XI 19 06 03 43.2–.83 58.9S–.10 24.7W–.30 10 4.2b **¶12074112**
IDC XI 19 06 03 44.6–.89 58.60S 25.14W 0 4.3,4.2
ISCJB Error ellipse: s-maj=24.2km s-min=12.7km az=155.3.
IDC Error ellipse: s-maj=33.6km s-min=25.4km az=128.0.
ISC XI 19 07 20 33.2–1.1 58.9S–.10 24.8W–.50 10 3.8b 8 14-153
ISCJB XI 19 07 20 30.8–1.1 58.9S–.20 25.0W–.60 10 3.8b **¶12074119**
IDC XI 19 07 20 32.3–1.0 58.66S 25.39W 0 4.4s,4.4
ISCJB Error ellipse: s-maj=45.5km s-min=14.6km az=156.6.
IDC Error ellipse: s-maj=47.8km s-min=24.5km az=87.0.
IDC XI 21 04 22 37.1–3.3 61.06S 23.13W 0 3.9b,3.9
¶12074366
IDC Error ellipse: s-maj=93.8km s-min=86.8km az=87.0.
ISC XI 21 06 58 27.8–4.4 55.66S–.08 26.1W–.10 28–33 4.8b,4.7s 42 17-150
ISCJB XI 21 06 58 22.9–3.6 55.60S–.07 26.1W–.10 7–22 4.8b,4.7s **¶11479722**
IDC XI 21 06 58 23.2–.55 55.53S 26.09W 0 4.7,4.7b
BJI XI 21 06 58 29.1 55.50S 26.10W 35 5.7s,5.5
NEIC XI 21 06 58 31.2–3.1 55.62S 26.22W 60–28 5.0b,5.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=9.1km az=143.7.
IDC Error ellipse: s-maj=18.9km s-min=16.1km az=79.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.9km az=206.0.
IDC XI 22 19 34 22.9–1.2 56.12S 26.18W 0 4.1b,4.1
¶12074534
IDC Error ellipse: s-maj=89.6km s-min=29.9km az=100.0.
ISC XI 24 02 55 20.3–.68 58.72S–.10 25.0W–.30 10 4.0b 20 14-153
ISCJB XI 24 02 55 18.3–.68 58.7S–.10 25.0W–.30 10 4.0b **¶12074636**
IDC XI 24 02 55 19.2–.72 58.61S 25.10W 0 4.2b,4.2
NEIC XI 24 02 55 24.6–.53 58.57S 25.08W 35 3.9b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=10.5km az=147.1.
IDC Error ellipse: s-maj=25.9km s-min=21.0km az=29.0.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=16.4km az=20.0.
ISC XI 24 02 58 42.0–.44 58.64S–.07 25.0W–.20 10 4.4b,3.9s 37 14-153
ISCJB XI 24 02 58 40.5–.45 58.49S–.08 25.0W–.20 10 4.4b,3.9s **¶12074637**
IDC XI 24 02 58 40.6–.45 58.49S 25.02W 0 4.5b,4.5
NEIC XI 24 02 58 46.0–.24 58.49S 25.07W 35 4.4b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=10.8km az=137.3.
IDC Error ellipse: s-maj=17.3km s-min=14.8km az=35.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.2km az=210.0.
ISC XI 24 11 13 23.6–.50 58.66S–.07 25.1W–.20 10 4.2b 39 14-153
ISCJB XI 24 11 13 21.8–.49 58.64S–.08 25.1W–.20 10 4.2b **¶12074673**
IDC XI 24 11 13 22.2–.51 58.50S 25.00W 0 4.5L,4.4
NEIC XI 24 11 13 27.3–.30 58.55S 25.06W 35 4.2b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=8.3km az=140.9.
IDC Error ellipse: s-maj=19.2km s-min=15.4km az=55.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.9km az=45.0.
IDC XI 24 11 44 30.6–2.2 60.34S 28.25W 0 3.9b,3.9
¶12074677
IDC Error ellipse: s-maj=89.9km s-min=46.6km az=110.0.
IDC XI 24 15 41 24.5–1.9 59.17S 24.15W 0 4.0b,4.0
¶12074695
IDC Error ellipse: s-maj=90.4km s-min=59.3km az=155.0.
ISC XI 25 00 09 35.4–.81 59.6S–.10 25.9W–.30 10 3.7b,3.4s 14 13-153
ISCJB XI 25 00 09 33.3–.81 59.6S–.10 25.9W–.20 10 3.7b,3.4s **¶12074747**

IDC XI 25 00 09 34.6–1.8 59.36S 26.08W 0 4.0,3.8
NEIC XI 25 00 09 38.8–.77 59.65S 25.90W 35 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=10.1km az=142.8.
IDC Error ellipse: s-maj=72.4km s-min=33.1km az=1.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=15.5km az=55.0.
ISC XI 27 05 31 35.4–6.0 56.3S–.20 27.5W–.40 88–58 4.3b 11 17-152
IDC XI 27 05 31 23.4–1.1 56.29S 27.65W 0 4.5b,4.4 **¶12074998**
NEIC XI 27 05 31 29.9–4.7 56.31S 27.47W 42–40 4.2b,4.4
ISCJB XI 27 05 31 32.3–6.6 56.2S–.20 27.5W–.40 73–63 4.3b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 29 04 02 51.9–.39 58.00S–.06 25.5W–.10 55 4.7b,3.9s 45 15-154
ISCJB XI 29 04 02 50.0–.39 57.95S–.06 25.5W–.10 53 4.7b,3.9s **¶12075218**
IDC XI 29 04 02 51.8–.51 57.97S 25.65W 54–4 4.4,4.4
NEIC XI 29 04 02 52.2–1.5 57.91S 25.52W 58–13 4.7b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=7.9km az=146.7.
IDC Error ellipse: s-maj=15.9km s-min=14.1km az=35.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.2km az=206.0.
ISC XI 29 14 58 11.2–.65 56.3S–.10 24.9W–.20 10 4.2b 14 18-151
ISCJB XI 29 14 58 09.1–.63 56.3S–.10 25.0W–.20 10 4.2b **¶12075263**
IDC XI 29 14 58 10.0–1.1 56.31S 24.81W 0 4.2b,4.2
NEIC XI 29 14 58 14.5–.49 56.31S 25.00W 35 4.2b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=13.8km az=135.2.
IDC Error ellipse: s-maj=50.6km s-min=39.2km az=49.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=12.1km az=208.0.
ISC XI 30 14 28 10.5–1.4 59.63S–.08 26.5W–.10 52–14 4.7b,3.7s 47 13-155
ISCJB XI 30 14 28 08.5–2.1 59.61S–.08 26.5W–.10 49–20 4.7b,3.7s **¶13401565**
NEIC XI 30 14 28 11.7–.26 59.55S 26.42W 70 4.8b,3.7s
IDC XI 30 14 28 11.7–.54 59.60S 26.60W 68–4 4.5,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=9.9km az=38.1.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.2km az=220.0.
IDC Error ellipse: s-maj=16.4km s-min=13.0km az=41.0.
IDC XII 03 02 47 10.4–13 56.02S 27.61W 137–120 3.9L,3.6b
¶12075580
IDC Error ellipse: s-maj=81.7km s-min=42.1km az=107.0.
ISC XII 03 08 45 55.5–.48 60.70S–.07 25.2W–.20 10 4.2b,3.7s 37 12-154
ISCJB XII 03 08 45 53.1–.51 60.82S–.08 25.4W–.20 10 4.2b,3.7s **¶12075595**
IDC XII 03 08 45 54.8–.65 60.56S 25.43W 0 4.3,4.3
NEIC XII 03 08 46 00.0–.43 60.55S 25.46W 35 4.3b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=8.8km az=142.8.
IDC Error ellipse: s-maj=23.2km s-min=18.6km az=3.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.5km az=179.0.
IDC XII 07 12 47 31.2–3.9 56.86S 25.29W 0 4.2,4.0b
¶12076191
IDC Error ellipse: s-maj=132.8km s-min=49.8km az=171.0.
ISC XII 14 01 50 16.2–3.0 57.7S–.10 25.7W–.20 53–29 4.2b,3.4s 27 15-152
ISCJB XII 14 01 50 14.0–3.5 57.7S–.10 25.8W–.20 51–33 4.2b,3.4s **¶12077372**
NEIC XII 14 01 50 16.9–.70 57.71S 25.78W 60–6 4.2b,3.4s
IDC XII 14 01 50 17.4–.72 57.74S 25.75W 63–6 4.0,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=17.1km az=136.6.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.2km az=66.0.
IDC Error ellipse: s-maj=21.2km s-min=17.3km az=69.0.
ISC XII 14 05 13 08.1–.35 58.94S–.05 26.0W–.10 81 4.8b 66 14-159
MOS XII 14 05 13 01.3–.87 58.78S 26.10W 33 5.3b **¶13402691**
DJA XII 14 05 13 01 58.73S 26.37W 10 5.1b
ISCJB XII 14 05 13 06.2–.34 58.88S–.06 26.0W–.10 79 4.8b
NEIC XII 14 05 13 07.6–.22 58.85S 26.06W 79 5.0b
BJI XII 14 05 13 07.7 58.80S 26.10W 77 5.3s,5.2b
IDC XII 14 05 13 08.2–.63 58.93S 26.11W 85–5 4.6,4.6
ISC Event type se.
MOS Error ellipse: s-maj=27.1km s-min=13.3km az=100.8.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.8km az=135.3.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.6km az=9.0.
IDC Error ellipse: s-maj=13.8km s-min=12.5km az=8.0.
ISC XII 14 22 29 13.2–.66 58.52S–.09 25.2W–.30 10 4.1b 22 14-153
ISCJB XII 14 22 29 11.2–.65 58.52S–.09 25.2W–.30 10 4.1b **¶12077497**
IDC XII 14 22 29 11.7–.74 58.52S 25.16W 0 4.2L,4.2b
NEIC XII 14 22 29 16.8–.46 58.55S 25.26W 35 4.0b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=10.6km az=157.5.
IDC Error ellipse: s-maj=29.6km s-min=23.8km az=80.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=12.7km az=61.0.
ISC XII 15 05 23 36.3–2.2 59.1S–.10 25.4W–.30 40–20 4.5b,3.6s 23 14-153
IDC XII 15 05 23 30.3–.78 59.03S 25.29W 0 4.5,4.5b **¶12077538**
ISCJB XII 15 05 23 32.5–5.3 59.0S–.10 25.3W–.30 24–37 4.5b,3.6s
NEIC XII 15 05 23 36.1–3.0 59.06S 25.33W 42–26 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=23.2km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=18.0km az=138.1.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=14.7km az=51.0.
ISC XII 15 05 48 54.2–1.0 57.1S–.10 24.7W–.50 10 4.5b,3.3s 12 15-152
ISCJB XII 15 05 48 52.2–1.0 57.1S–.10 24.8W–.50 10 4.5b,3.3s **¶12077543**
IDC XII 15 05 48 52.6–.88 57.04S 24.79W 0 4.5b,4.5
NEIC XII 15 05 48 53.9–.57 57.04S 24.79W 10 3.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.8km s-min=13.5km az=158.0.
IDC Error ellipse: s-maj=38.8km s-min=25.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=13.3km az=70.0.
IDC XII 15 12 22 32.9–18 57.41S 26.77W 0 3.6b,3.6
¶12077602
IDC Error ellipse: s-maj=1185.0km s-min=68.8km az=142.0.
ISC XII 15 16 10 53.5–.54 59.8S–.10 28.8W–.20 10 4.3b,3.2s 26 14-152
ISCJB XII 15 16 10 51.6–.54 59.8S–.10 28.8W–.20 10 4.3b,3.2s **¶12077627**
IDC XII 15 16 10 51.3–.64 59.85S 28.84W 0 4.3b,4.3
NEIC XII 15 16 10 59.9–2.6 59.89S 28.84W 68–23 4.3b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=11.5km az=141.0.
IDC Error ellipse: s-maj=24.8km s-min=17.7km az=47.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.3km az=224.0.
ISC XII 15 16 26 36.3–.62 59.9S–.10 28.6W–.30 10 4.1b,3.4s 19 16-152
ISCJB XII 15 16 26 34.5–.62 59.9S–.10 28.6W–.30 10 4.1b,3.4s **¶12077628**
IDC XII 15 16 26 34.3–.66 59.87S 28.72W 0 4.1b,4.1
NEIC XII 15 16 26 40.3–.63 59.90S 28.62W 35 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=13.2km az=148.6.
IDC Error ellipse: s-maj=24.9km s-min=21.0km az=61.0.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=16.4km az=57.0.
IDC XII 16 08 40 18.7–3.2 60.50S 28.87W 0 4.1,4.0
¶12077730
IDC Error ellipse: s-maj=115.1km s-min=51.5km az=171.0.
ISC XII 16 14 14 55.3–.88 59.9S–.10 28.8W–.30 10 4.1b 14 16-152
ISCJB XII 16 14 14 53.6–.87 59.9S–.10 28.7W–.30 10 4.1b **¶12077766**
IDC XII 16 14 14 53.2–.93 59.85S 28.93W 0 4.2b,4.1
NEIC XII 16 14 14 58.3–3.9 59.89S 28.81W 36–35 3.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=16.4km az=164.4.
IDC Error ellipse: s-maj=31.0km s-min=26.0km az=80.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=21.5km az=73.0.
IDC XII 19 01 30 40.3–9.4 56.49S 28.26W 185–92 3.6b,3.5
¶12078134
IDC Error ellipse: s-maj=34.4km s-min=29.6km az=74.0.
ISC XII 20 01 07 32.0–3.2 57.9S–.10 26.1W–.20 115–33 4.2b 28 15-152
ISCJB XII 20 01 07 30.3–3.3 57.9S–.10 26.1W–.20 117–33 4.2b **¶12078272**
IDC XII 20 01 07 31.5–5.4 57.95S 26.09W 110–48 4.0b,4.0
NEIC XII 20 01 07 32.0–1.9 57.89S 26.12W 116–17 4.1b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=16.0km az=20.2.
IDC Error ellipse: s-maj=20.2km s-min=18.9km az=53.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.8km az=216.0.
ISC XII 21 02 53 22.2–3.4 55.9S–.10 27.5W–.20 74–35 4.2b 26 17-151
IDC XII 21 02 53 12.2–.70 55.87S 27.50W 0 4.8L,4.4 **¶12078405**
ISCJB XII 21 02 53 21.6–4.0 55.9S–.10 27.4W–.20 86–39 4.2b,4.4
NEIC XII 21 02 53 25.4–2.9 55.92S 27.42W 108–27 4.2b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=20.2km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=15.8km az=30.2.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=10.4km az=47.0.
ISC XII 22 08 43 06.3–5.1 56.0S–.20 27.6W–.30 43–49 4.2b,3.5s 18 19-151
IDC XII 22 08 42 59.8–.65 55.91S 27.52W 0 4.6,4.5 **¶12078533**
NEIC XII 22 08 43 05.0–.44 55.92S 27.55W 35 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=17.1km az=57.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=10.7km az=59.0.
IDC XII 23 07 40 20.9–2.5 57.51S 25.83W 0 4.3,4.1
¶12078642
IDC Error ellipse: s-maj=83.7km s-min=33.4km az=173.0.
IDC XII 24 22 34 05.4–1.8 57.83S 26.10W 0 3.9b,3.9
¶12078864
IDC Error ellipse: s-maj=102.0km s-min=68.5km az=136.0.
ISC XII 27 18 49 53.5–1.8 58.8S–.10 24.5W–.90 10 4.1b 8 14-153
IDC XII 27 18 49 50.7–1.6 58.79S 25.16W 0 4.2b,4.2 **¶12079203**
NEIC XII 27 18 49 58.4–.70 58.81S 24.58W 55 3.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=91.6km s-min=60.8km az=144.0.
NEIC Event type se. Error ellipse: s-maj=44.6km s-min=17.3km az=75.0.

(154) South Shetland Islands.

ISC IX 25 19 28 25.4–2.1 60.8S–.20 58.5W–.50 10 3.9b,3.3s 9 5-164
IDC IX 25 19 28 26.2–1.7 61.11S 58.68W 0 4.1,4.0 **¶11911035**
NEIC IX 25 19 28 28.3–1.0 60.89S 57.49W 10 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=60.7km s-min=42.3km az=74.0.
NEIC Event type se. Error ellipse: s-maj=28.0km s-min=21.5km az=114.0.
ISC X 20 03 39 17.6–.32 60.60S–.05 52.1W–.10 10 4.8b,4.2s 60 7-163
IDC X 20 03 39 14.8–.50 60.62S 51.72W 0 5.0L,4.6 **¶11360302**
ISCJB X 20 03 39 15.8–.32 60.58S–.05 52.0W–.10 10 4.8b,4.2s
NEIC X 20 03 39 16.9–.33 60.54S 51.86W 10 5.2b,4.2s
BJI X 20 03 39 18.5 60.50S 51.40W 10 5.6s,5.3b
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=16.4km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.4km az=151.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.0km az=68.0.
ISC XI 10 13 46 45.2–.48 60.29S–.05 56.9W–.20 10 3.8b,3.1s 30 6-153
ISCJB XI 10 13 46 43.3–.49 60.21S–.07 56.8W–.20 10 3.8b,3.1s **¶12073071**
IDC XI 10 13 46 43.9–.81 60.19S 56.70W 0 4.3L,3.9
NEIC XI 10 13 46 45.6–4.8 60.22S 56.83W 10–31 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=8.3km az=159.4.
IDC Error ellipse: s-maj=31.6km s-min=18.2km az=75.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=8.5km az=89.0.
ISC XI 20 04 53 25.6–.81 62.27S–.08 61.0W–.20 10 4.1b 23 3-164
IDC XI 20 04 53 21.6–1.4 62.07S 61.92W 0 4.8L,4.2 **¶12074229**
ISCJB XI 20 04 53 23.5–.81 62.23S–.08 61.0W–.30 10 4.1b,4.2
NEIC XI 20 04 53 26.8–.72 62.18S 62.12W 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=16.3km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=8.5km az=26.6.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=12.3km az=102.0.

(732) East of South Sandwich Islands.

ISC VII 01 01 54 40.8–3.0 58.25S–.04 21.81W–.08 3–18 5.6b,5.1s 117 14-175
ISCJB VII 01 01 54 40.2–.23 58.20S–.04 21.82W–.08 10 5.6b,5.1s **¶13378998**
IDC VII 01 01 54 40.0–.32 58.18S 21.85W 0 5.3,5.3
BJI VII 01 01 54 40.0 58.10S 21.90W 10 5.7b,5.5s
NEIC VII 01 01 54 41.4–.14 58.12S 21.88W 10 5.7b,5.6W
MOS VII 01 01 54 44.5–.87 58.11S 21.58W 33 5.6b,5.0s
GCMT VII 01 01 54 45.6–.10 58.35S 21.57W 12 5.6W,5.0s
DJA VII 01 01 54 45 58.40S 20.99W 10 6.1W,5.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.6km az=40.9.
IDC Error ellipse: s-maj=14.2km s-min=11.7km az=13.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.7km az=191.0. Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.93 $M_{\theta\theta}$-2.11 $M_{\phi\phi}$3.04 $M_{r\theta}$0.47 $M_{\theta\phi}$2.41 $M_{\phi r}$-0.17 Best double couple: NP1:ϕ_s246.00000°,δ81.00000°,λ-9.00000°. NP2:ϕ_s337.00000° ,δ81.00000°,λ-171.00000°. Principal axes: T 3.9900,Plg0.0000°,Azm291.0000° ; N -0.8200,Plg77.0000°,Azm22.0000°; P -3.1700,Plg12.0000°,Azm201.0000° $M_\odot$3.60000×10^{17}
MOS Error ellipse: s-maj=24.6km s-min=13.9km az=94.7.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 99, comp=183, per= 50. Moment Tensor Solution. s70,c115; s29,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}1.78±.04 $M_{\theta\theta}$-3.04±.03; $M_{\phi\phi}$1.26±.04; $M_{r\theta}$-0.49±.09; $M_{\theta\phi}$0.81±.03; $M_{\phi r}$-0.92±.11; Best double couple: NP1:ϕ_s133.00000°,δ54.00000°,λ142.00000°. NP2:ϕ_s248.00000°,δ60.00000°,λ43.00000°. Principal axes: T 2.6100,Plg51.0000°,Azm104.0000°; N 0.6000,Plg39.0000°,Azm276.0000° ; P -3.2100,Plg4.0000°,Azm10.0000° $M_\odot$2.90000×10^{17}
ISC VII 01 04 04 52.0–.44 58.18S–.08 22.0W–.10 10 4.6b,3.9s 30 14-175
ISCJB VII 01 04 04 50.1–.43 58.17S–.08 22.0W–.10 10 4.6b,3.9s **¶11479794**
IDC VII 01 04 04 50.2–.45 58.17S 22.01W 0 4.7,4.7b
NEIC VII 01 04 04 54.7–3.8 58.13S 21.98W 30–25 4.8b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=9.6km az=34.2.
IDC Error ellipse: s-maj=20.2km s-min=13.9km az=21.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.8km az=205.0.
ISC VII 06 13 51 45.3–.70 58.4S–.10 21.9W–.30 10 4.2b,3.7s 11 14-148
ISCJB VII 06 13 51 43.3–.70 58.4S–.10 21.9W–.30 10 4.2b,3.7s **¶11810800**
IDC VII 06 13 51 43.8–1.1 58.40S 21.79W 0 4.4,4.3
NEIC VII 06 13 51 44.7–.71 58.35S 21.92W 10 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=12.1km az=139.9.
IDC Error ellipse: s-maj=41.7km s-min=22.6km az=30.0.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=14.7km az=203.0.
ISC VII 08 18 23 01.1–.46 60.12S–.08 18.6W–.20 10 4.5b,4.3s 24 11-154
ISCJB VII 08 18 22 59.3–.47 60.07S–.08 18.6W–.20 10 4.5b,4.3s **¶11811002**
IDC VII 08 18 22 59.4–.55 60.10S 18.67W 0 4.3s,4.3
NEIC VII 08 18 23 00.5–.30 60.07S 18.71W 10 4.8b,4.3
GCMT VII 08 18 23 03.5–.20 60.49S 18.42W 12 5.1W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=10.5km az=142.4.
IDC Error ellipse: s-maj=23.2km s-min=17.3km az=27.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.2km az=212.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s38,c54; s65,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.36±.18 $M_{\theta\theta}$-2.94±.21; $M_{\phi\phi}$6.30±.14; $M_{r\theta}$-2.63±.54; $M_{\theta\phi}$-0.33±.13; $M_{\phi r}$0.27±.39; Best double couple: NP1:ϕ_s32.00000°,δ57.00000°,λ-36.00000°. NP2:ϕ_s144.00000°,δ61.00000°,λ-141.00000°. Principal axes: T 6.3300,Plg2.0000° ,Azm267.0000°; N -0.5400,Plg43.0000°,Azm175.0000°; P -5.7900,Plg47.0000° ,Azm360.0000° $M_\odot$6.10000×10^{16}
ISC VII 14 08 53 07.8–.45 58.12S–.07 21.5W–.10 10 4.5b,3.7s 23 14-151
ISCJB VII 14 08 53 05.8–.45 58.12S–.07 21.5W–.10 10 4.5b,3.7s **¶11811547**
IDC VII 14 08 53 06.0–.54 58.09S 21.56W 0 4.5,4.5
NEIC VII 14 08 53 07.4–.29 58.07S 21.54W 10 4.7b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=10.2km az=145.1.
IDC Error ellipse: s-maj=19.8km s-min=15.3km az=5.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.7km az=162.0.
ISC VII 16 07 24 24.1–.71 59.4S–.10 18.1W–.20 10 4.1s,4.1b 17 12-152
ISCJB VII 16 07 24 22.3–.71 59.4S–.10 18.2W–.30 10 4.1s,4.1b **¶11811722**

IDC VII 16 07 24 22.1–.60 59.37S 18.05W 0 4.2,4.1
NEIC VII 16 07 24 23.5–.37 59.35S 18.00W 10 4.2,4.1
GCMT VII 16 07 24 25.8–.30 59.51S 17.78W 12 5.0W,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=12.0km az=139.6.
IDC Error ellipse: s-maj=26.1km s-min=19.0km az=50.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.1km az=224.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s30,c38; s74,c102; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.51±.10 $M_{\theta\theta}$0.16±.10; $M_{\phi\phi}$3.35±.09; $M_{r\theta}$0.86±.39; $M_{\theta\phi}$0.50±.10; $M_{\phi r}$0.05±.30; Best double couple: NP1:ϕ_s356.00000°,δ45.00000°,λ-108.00000°. NP2:ϕ_s201.00000°,δ48.00000°,λ-73.00000°. Principal axes: T 3.4300,Plg2.0000° ,Azm279.0000°; N 0.2700,Plg13.0000°,Azm9.0000°; P -3.7000,Plg77.0000°,Azm182.0000° $M_0$3.60000×10^{16}
ISC VIII 05 21 16 16.7–.46 58.19S–.08 21.8W–.20 10 4.4b,3.7s 23 14-148
ISCJB VIII 05 21 16 14.8–.45 58.17S–.08 21.9W–.20 10 4.4b,3.7s **¶11907807**
IDC VIII 05 21 16 14.9–.92 58.19S 21.81W 0 4.3,4.2
NEIC VIII 05 21 16 20.2–.36 58.18S 21.84W 35 4.7b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=11.3km az=31.0.
IDC Error ellipse: s-maj=27.3km s-min=23.6km az=9.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.4km az=123.0.
ISC XII 14 20 36 29.8–.31 60.13S–.05 18.7W–.10 10 5.2s,5.0b 83 11-173
ISCJB XII 14 20 36 27.9–.32 60.15S–.06 18.7W–.10 10 5.2s,5.0b **¶13402764**
IDC XII 14 20 36 28.4–.45 60.04S 18.77W 0 5.1L,4.8s
BJI XII 14 20 36 29.9 60.10S 18.80W 10 5.6b,5.5s
NEIC XII 14 20 36 29.8–.18 60.08S 18.76W 10 5.3b,5.2s
GCMT XII 14 20 36 32.1–.10 60.37S 18.44W 12 5.5W,5.2s
MOS XII 14 20 36 33.0–2.0 60.19S 18.79W 33 4.9b,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.1km az=137.1.
IDC Error ellipse: s-maj=18.3km s-min=14.8km az=27.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.1km az=203.0.
GCMT Event type se. Data Used: IU II IC G CN. Surface waves: sta= 99, comp=189, per= 50. Moment Tensor Solution. s67,c110; s33,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.94±.03 $M_{\theta\theta}$-0.10±.03; $M_{\phi\phi}$2.03±.02; $M_{r\theta}$-0.40±.08; $M_{\theta\phi}$-0.15±.02; $M_{\phi r}$-0.06±.07; Best double couple: NP1:ϕ_s164.00000°,δ46.00000°,λ-107.00000°. NP2:ϕ_s8.00000°,δ47.00000°,λ-73.00000°. Principal axes: T 2.0400,Plg0.0000°,Azm86.0000°; N -0.0200,Plg12.0000°,Azm176.0000° ; P -2.0300,Plg78.0000°,Azm354.0000° $M_0$2.00000×10^{17}
MOS Error ellipse: s-maj=25.6km s-min=11.4km az=99.7.

SEISMIC REGION 11.
New Zealand Region.

(158) Off west coast of North Island.

WEL VIII 21 08 12 24.8–.36 39.64S 173.94E 254–2 4.1L
NEIC VIII 21 08 12 20.8 39.59S 173.88E 292 4.2 **¶11326060**
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=90.0.
NEIC Event type se. After WEL.
WEL XII 02 04 52 04.4–.14 39.70S 173.49E 12 3.7L
NEIC XII 02 04 52 04.2 39.68S 173.44E 12 3.7L **¶11656603**
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=90.0.
NEIC Event type se. After WEL.
WEL XII 22 11 42 59.2–.35 39.80S 173.97E 238–3 3.9L
NEIC XII 22 11 42 58.5 39.78S 173.93E 243 3.9 **¶11657099**
WEL Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=90.0.
NEIC Event type se. After WEL.

(159) North Island.

WEL VII 01 17 25 35.0–.12 38.90S 176.60E 59–1 3.5L
¶11207166
WEL Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0.
WEL VII 02 05 19 39.2–.17 40.00S 176.80E 48–1 3.9L
NEIC VII 02 05 19 39.8 39.96S 176.77E 44 3.9L **¶11207175**
WEL Event type fe. Error ellipse: s-maj=1.6km s-min=1.1km az=90.0. Felt in the Hawke''s Bay region, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL VII 02 17 34 27.1–.50 37.08S 176.71E 227–4 3.7L
¶11207196
WEL Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=90.0.
WEL VII 05 10 59 30.8–.11 38.42S 177.75E 29–1 3.5L
¶11207258
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=90.0.
WEL VII 06 21 04 39.9–.08 39.59S 176.97E 30–0 3.7L
¶11207286
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.8km az=90.0. Felt in the Hawke''s Bay region, maximum reported intensity MM 4.
WEL VII 07 03 42 43.6–.52 38.21S 176.08E 151–4 3.5L
¶11207294
WEL Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=90.0.
WEL VII 09 15 48 08.3–.49 37.55S 176.39E 175–4 3.5L
¶11207345
WEL Event type ke. Error ellipse: s-maj=7.2km s-min=5.7km az=90.0.
WEL VII 11 00 51 30.2–.46 37.39S 176.59E 212–3 4.0L
NEIC VII 11 00 51 29.4 37.29S 176.48E 208 4.0 **¶11207373**
WEL Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=90.0.
NEIC Event type se. After WEL.
WEL VII 11 08 36 43.3–.15 38.82S 177.41E 44–3 3.5L
¶11207382
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=90.0.
WEL VII 11 10 03 52.5–.08 39.29S 174.91E 30–1 3.5L
¶11207383
WEL Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=90.0.
WEL VII 11 10 55 41.8–.43 38.64S 175.84E 145–3 3.6L
¶11207384
WEL Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=90.0.
WEL VII 12 08 29 47.5–.77 37.44S 176.51E 157–6 3.7L
¶11207405
WEL Event type ke. Error ellipse: s-maj=8.5km s-min=8.1km az=0.0.
ISC VII 12 10 06 33.8–.51 38.30S–.03 176.93E–.05 95–4 3.4b 154 0-145
ISCJB VII 12 10 06 32.7–.54 38.30S–.03 176.95E–.05 105–5 3.4b **¶11207410**
IDC VII 12 10 06 32.5–1.9 38.56S 176.97E 81–10 3.4,3.3
WEL VII 12 10 06 35.2–.18 38.20S 176.91E 82–1 4.2L,3.3
NEIC VII 12 10 06 35.2 38.20S 176.91E 82 4.2L,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.2km az=170.7.
IDC Error ellipse: s-maj=58.5km s-min=17.8km az=120.0.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=90.0. Felt from Bay of Plenty to Hawke''s Bay, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Opotiki and Whakatane. After WEL.
WEL VII 13 08 27 54.9–.29 37.88S 176.48E 149–3 3.7L
NEIC VII 13 08 27 54.4 37.87S 176.47E 154 3.7 **¶11207434**
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=90.0.
NEIC Event type se. After WEL.
ISC VII 13 09 36 22.0–.51 38.36S–.03 175.81E–.05 196–4 3.6b 177 0-154
ISCJB VII 13 09 36 21.4–.48 38.38S–.03 175.81E–.05 200–4 3.6b **¶11207437**
IDC VII 13 09 36 21.5–.63 38.74S 176.15E 180–7 3.5,3.3
NEIC VII 13 09 36 23.6 38.24S 175.86E 179 4.4b,3.3
WEL VII 13 09 36 24.6–.33 38.26S 175.89E 170–2 5.0L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=27.0.
IDC Error ellipse: s-maj=29.4km s-min=15.4km az=131.0.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=90.0.
WEL VII 14 10 02 06.0–.26 37.20S 176.61E 246–2 3.6L
¶11207466
WEL Event type ke. Error ellipse: s-maj=5.1km s-min=5.0km az=90.0.
WEL VII 14 14 56 49.3–.08 37.81S 176.84E 5 3.5L
¶11207474
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
WEL VII 14 19 34 20.7–.37 37.95S 176.73E 109–2 3.7L
NEIC VII 14 19 34 20.9 37.95S 176.73E 108 3.7 **¶11207483**
WEL Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=0.0.
NEIC Event type se. After WEL.
ISC VII 14 21 06 20.0–.28 38.40S–.03 175.79E–.05 184–2 3.8b 174 0-150
ISCJB VII 14 21 06 19.0–.28 38.40S–.03 175.79E–.05 191–2 3.8b **¶11207484**
IDC VII 14 21 06 18.9–.55 38.63S 175.90E 174–8 3.7,3.6
WEL VII 14 21 06 20.5–.29 38.29S 175.85E 179–2 5.1L,3.6
NEIC VII 14 21 06 20.5 38.29S 175.85E 179 3.7b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=22.5.
IDC Error ellipse: s-maj=27.6km s-min=14.1km az=138.0.
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=90.0.
NEIC Event type se. After WEL.
WEL VII 15 18 23 59.6–.48 37.47S 176.82E 150–3 3.6L
¶11207518
WEL Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=0.0.
WEL VII 15 20 52 18.3–.32 38.57S 176.12E 109–3 3.5L
¶11207524
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=0.0.
WEL VII 18 13 58 09.2–.42 37.45S 176.60E 201–3 4.2L
¶11207588
WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=90.0.
WEL VII 19 01 33 06.7–.74 38.08S 175.59E 254–17 3.5L
¶11207602
WEL Event type ke. Error ellipse: s-maj=30.2km s-min=15.2km az=90.0.
WEL VII 19 09 43 46.0–.11 39.70S 176.87E 38–2 3.5L
¶11207610
WEL Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=90.0.
WEL VII 20 02 21 58.4–.32 37.95S 176.07E 170–2 3.6L
NEIC VII 20 02 21 58.4 37.94S 176.07E 169 3.7 **¶11207621**
WEL Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=90.0. Felt from Auckland to Coromandel, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL VII 20 15 13 25.8–.50 39.30S 174.83E 182–3 3.5L
¶11207633
WEL Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=90.0.
WEL VII 20 19 29 18.4–.12 40.11S 175.04E 67–2 4.1L
NEIC VII 20 19 29 18.4 40.11S 175.04E 68 4.1L **¶11207640**
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.5km az=90.0. Felt between King Country, Wellington and Hawke''s Bay, maximum reported. intensity MM 4.
NEIC Event type se. After WEL.
WEL VII 21 09 45 09.3–.49 38.63S 175.77E 176–4 3.5L
¶11207662
WEL Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=90.0.
WEL VII 21 20 03 00.2–.10 39.85S 176.98E 39–1 4.2L
¶11207679
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=0.9km az=90.0. Felt reported, maximum reported intensity MM 5.
WEL VII 22 09 36 31.4–.28 39.63S 174.34E 208–2 4.9L
NEIC VII 22 09 36 31.6 39.64S 174.36E 207 4.9 **¶11207690**
WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.1km az=90.0. Felt from Wanganui to Marlborough, and from Nelson to Manawatu, maximum. reported intensity MM 4.
NEIC Event type fe. Felt at Marton and Wanganui. After WEL.
WEL VII 22 19 13 25.4–.30 38.70S 175.74E 171–2 3.8L
NEIC VII 22 19 13 25.4 38.68S 175.75E 171 3.8 **¶11207697**
WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=90.0.
NEIC Event type se. After WEL.
WEL VII 23 12 27 52.9–.31 38.48S 175.75E 137–2 3.5L
¶11207715
WEL Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=90.0.
WEL VII 25 14 21 27.2–.60 37.98S 176.37E 156–4 3.6L
¶11207772
WEL Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=90.0.
WEL VII 25 14 41 58.9–.60 38.12S 176.20E 158–4 3.7L
NEIC VII 25 14 41 58.3 38.08S 176.18E 159 3.7 **¶11207773**
WEL Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=0.0.
NEIC Event type se. After WEL.
WEL VII 26 06 43 44.7–.67 38.34S 175.76E 139–10 3.6L
¶11207788
WEL Event type ke. Error ellipse: s-maj=11.5km s-min=6.5km az=90.0.
WEL VII 26 21 33 41.8–.33 37.95S 176.07E 172–3 4.1L
NEIC VII 26 21 33 41.2 37.97S 176.06E 178 4.1 **¶11207799**
WEL Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=0.0.
NEIC Event type se. After WEL.
WEL VII 28 00 37 06.0–.45 38.14S 175.96E 172–3 3.9L
NEIC VII 28 00 37 05.9 38.15S 175.96E 174 3.9 **¶11207818**
WEL Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=0.0.
NEIC Event type se. After WEL.
WEL VII 29 13 04 17.2–.36 39.13S 174.79E 222–2 4.3L
NEIC VII 29 13 04 16.8 39.16S 174.76E 227 4.3 **¶11207846**
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=90.0.
NEIC Event type se. After WEL.
WEL VII 29 18 09 33.1–.78 38.07S 176.09E 142–8 3.5L
¶11207849
WEL Event type ke. Error ellipse: s-maj=8.5km s-min=5.9km az=90.0.
WEL VII 30 16 21 43.5–.36 38.75S 175.98E 120–3 3.8L
NEIC VII 30 16 21 42.6 38.76S 175.93E 130 3.8 **¶11207864**
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.8km az=90.0.
NEIC Event type se. After WEL.
WEL VII 31 20 51 07.3–.74 38.55S 175.37E 139–8 3.5L
¶11207881
WEL Event type ke. Error ellipse: s-maj=11.2km s-min=6.7km az=90.0.
WEL VIII 01 00 50 28.3–.48 38.08S 176.22E 154–3 3.6L
¶11325586
WEL Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=90.0.
WEL VIII 01 19 11 07.0–.23 38.93S 177.77E 37–3 3.6L
¶11325603
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=90.0.
ISC VIII 02 04 21 54.4–1.4 37.4S–.10 176.4E–.20 338–10 88 1-9
ISCJB VIII 02 04 21 52.6–1.5 37.3S–.10 176.4E–.20 346–10 **¶11325616**
NEIC VIII 02 04 21 54.6 36.97S 176.38E 313 4.3
WEL VIII 02 04 21 54.6–.34 36.97S 176.39E 313–7 4.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.5km s-min=14.5km az=140.6.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=15.7km s-min=10.6km az=0.0.
WEL VIII 03 19 26 03.6–.45 38.97S 174.86E 196–8 3.5L
¶11325648
WEL Event type ke. Error ellipse: s-maj=11.5km s-min=5.0km az=90.0.
WEL VIII 03 20 42 38.1–.55 37.16S 176.45E 373–5 3.6L
¶11325651
WEL Event type ke. Error ellipse: s-maj=10.3km s-min=7.5km az=90.0.
WEL VIII 04 00 56 03.1–.30 37.81S 176.15E 284–2 3.9L
¶11325653
WEL Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=90.0.
WEL VIII 05 20 16 32.2–.76 38.22S 176.16E 165–5 3.5L
¶11325693
WEL Event type ke. Error ellipse: s-maj=8.7km s-min=4.4km az=90.0.
ISC VIII 06 02 19 54.3–1.2 37.93S–.08 176.16E–.09 231–9 96 0-8
ISCJB VIII 06 02 19 53.4–1.2 37.93S–.08 176.15E–.09 236–10 **¶11325696**
NEIC VIII 06 02 19 56.6 37.77S 176.16E 195 4.1
WEL VIII 06 02 19 57.0–.39 37.81S 176.19E 196–3 4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=11.0km az=148.7.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=2.5km s-min=2.5km az=0.0.
WEL VIII 06 04 02 01.8–.11 37.80S 176.83E 5 3.9L
NEIC VIII 06 04 02 01.0 37.73S 176.84E 5 3.9L **¶11325698**
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.8km az=0.0. Felt from Bay of Plenty to Wellington, maximum reported intensity MM 5.
NEIC Event type fe. Felt at Kawerau and Matata. After WEL.

WEL VIII 06 07 06 00.2–.20 39.25S 175.21E 136–1 4.1L
NEIC VIII 06 07 05 59.9 39.24S 175.21E 140 4.2 ¶11325703
WEL Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=90.0.
NEIC Event type se. After WEL.
WEL VIII 09 07 50 27.6–.12 39.47S 175.76E 65–1 3.7L
¶11325790
WEL Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=90.0.
WEL VIII 10 05 43 46.9–.42 37.73S 176.20E 174–5 3.7L
¶11325813
WEL Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=0.0.
WEL VIII 10 10 34 19.0–.22 39.77S 174.24E 140–2 3.6L
¶11325821
WEL Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=90.0.
WEL VIII 10 14 29 18.4–.61 38.21S 176.13E 152–5 3.5L
¶11325827
WEL Event type ke. Error ellipse: s-maj=4.3km s-min=4.1km az=0.0.
WEL VIII 10 20 46 04.9–.35 38.67S 175.69E 155–3 3.6L
¶11325834
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=0.0.
WEL VIII 11 21 53 09.9–.50 38.43S 176.03E 153–3 3.5L
¶11325853
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=0.0.
WEL VIII 13 08 04 41.5–.09 37.80S 176.84E 5 3.8L
NEIC VIII 13 08 04 41.1 37.80S 176.82E 2 3.8L ¶11325892
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 5.
NEIC Event type fe. Felt at Bay of Plenty. After WEL.
WEL VIII 15 07 27 51.3–.70 37.03S 176.35E 286–8 3.9L
NEIC VIII 15 07 27 52.3 37.13S 176.41E 284 3.9 ¶11325935
WEL Event type ke. Error ellipse: s-maj=15.3km s-min=12.0km az=90.0.
NEIC Event type se. After WEL.
WEL VIII 15 09 33 23.6–.48 38.29S 175.92E 164–3 3.9L
NEIC VIII 15 09 33 22.7 38.27S 175.91E 173 3.9 ¶11325940
WEL Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=90.0.
NEIC Event type se. After WEL.
WEL VIII 15 15 22 22.5–.34 39.06S 175.06E 200–2 3.6L
¶11325947
WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=90.0.
WEL VIII 16 07 44 44.8–.38 38.12S 176.23E 158–3 3.9L
NEIC VIII 16 07 44 44.1 38.12S 176.22E 165 3.9 ¶11325960
WEL Event type ke. Error ellipse: s-maj=2.1km s-min=2.1km az=90.0.
NEIC Event type se. After WEL.
WEL VIII 16 11 57 58.2–.34 39.09S 174.95E 222–2 4.2L
NEIC VIII 16 11 57 57.5 39.06S 174.91E 227 4.2 ¶11325961
WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=90.0.
NEIC Event type se. After WEL.
WEL VIII 16 21 04 00.1–.68 38.59S 175.28E 211–6 3.6L
¶11325975
WEL Event type ke. Error ellipse: s-maj=5.7km s-min=5.1km az=90.0.
WEL VIII 17 13 33 12.9–.55 38.19S 175.94E 179–4 3.5L
¶11325996
WEL Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=0.0.
WEL VIII 18 11 15 35.1–.34 37.83S 176.78E 143–2 3.5L
¶11326009
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=0.0.
WEL VIII 19 05 52 46.3–.28 39.58S 174.31E 205–2 3.6L
¶11326023
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=90.0.
WEL VIII 19 11 58 47.5–.67 37.09S 176.56E 312–7 3.6L
¶11326033
WEL Event type ke. Error ellipse: s-maj=14.3km s-min=13.0km az=90.0.
WEL VIII 19 15 48 21.5–.53 37.76S 175.87E 176–7 3.5L
¶11326034
WEL Event type ke. Error ellipse: s-maj=11.0km s-min=6.2km az=90.0.
WEL VIII 21 01 03 36.6–.20 37.08S 176.97E 199–1 4.6L
NEIC VIII 21 01 03 36.2 37.09S 176.99E 204 4.6 ¶11326053
WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=0.0.
NEIC Event type se. After WEL.
WEL VIII 21 09 06 07.8–.59 37.01S 176.73E 250–7 3.5L
¶11326062
WEL Event type ke. Error ellipse: s-maj=10.4km s-min=10.1km az=90.0.
WEL VIII 21 21 10 19.0–.36 38.11S 176.25E 154–3 3.5L
¶11326074
WEL Event type ke. Error ellipse: s-maj=4.9km s-min=2.9km az=90.0.
WEL VIII 22 16 48 01.8–.07 38.85S 175.97E 5 3.6L
¶11326094
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.6km az=90.0. Felt in the Taupo region, maximum reported intensity MM 4.
WEL VIII 22 21 02 35.1–.45 38.23S 175.91E 184–4 3.6L
¶11326102
WEL Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=0.0.
WEL VIII 25 01 27 44.6–.38 38.07S 176.33E 153–3 3.8L
¶11326148
WEL Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=0.0.
WEL VIII 25 03 32 24.4–.31 37.98S 176.47E 152–2 4.2L
¶11326150
WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.7km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
ISC VIII 25 11 25 19.8–.35 39.73S–.02 176.53E–.03 28–2 5.5b,5.0s 323 0-180
BJI VIII 25 11 25 15.5 39.62S 177.00E 16 5.6b,5.6b ¶11207983
IGIL VIII 25 11 25 18.0 39.69S 176.45E 10 5.5s,5.6b
WEL VIII 25 11 25 19.3–.08 39.72S 176.85E 32–0 5.9L,5.6b
MOS VIII 25 11 25 19.1–1.0 39.59S 176.43E 38 5.6b,5.1s
NEIC VIII 25 11 25 19.3 39.72S 176.85E 32 5.9L,5.5W
ISCJB VIII 25 11 25 19.6–.22 39.72S–.02 176.56E–.03 40–1 5.5b,5.0s
IDC VIII 25 11 25 20.4–.48 39.47S 176.53E 41–3 5.1,5.1
GCMT VIII 25 11 25 23.3–.10 39.67S 176.91E 26–0 5.4W,5.1
DJA VIII 25 11 25 33 39.63S 176.89E 168 5.4b,5.1
ISC Event type de.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.5km az=90.0. Felt between Waikato, Southland and Gisborne, maximum reported intensity MM. 8.
MOS Error ellipse: s-maj=16.1km s-min=11.4km az=119.4.
NEIC Event type de. Slight damage at Hastings and Napier. Felt [VI] at Hastings, Havelock North and Taradale. Felt in much of the North Island from Hamilton and Whakatane to Wellington. Also felt in parts of the South Island. After WEL.
ISCJB Event type de. Error ellipse: s-maj=3.8km s-min=3.0km az=14.1.
IDC Error ellipse: s-maj=13.5km s-min=10.3km az=15.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s77,c131; s89,c165; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.27±.03 $M_{\theta\theta}$-0.07±.02; $M_{\phi\phi}$1.34±.02; $M_{r\theta}$0.28±.05; $M_{\theta\phi}$0.65±.02; $M_{\phi r}$-0.64±.05; Best double couple: NP1:ϕ_s223.00000°,δ40.00000°,λ-56.00000°. NP2:ϕ_s1.00000°,δ58.00000°,λ-115.00000°. Principal axes: T 1.6800,Plg10.0000° ,Azm109.0000°; N -0.1300,Plg21.0000°,Azm15.0000°; P -1.5500,Plg67.0000° ,Azm222.0000° $M_0$1.60000×10^{17}
WEL VIII 25 11 29 22.0–.60 39.66S 176.83E 28–2 3.8L
¶11326157
WEL Event type ke. Error ellipse: s-maj=5.1km s-min=1.9km az=0.0.
WEL VIII 26 16 06 05.4–.46 38.49S 175.50E 242–3 4.5L
NEIC VIII 26 16 06 05.1 38.48S 175.50E 244 4.5 ¶11326210
WEL Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=0.0.
NEIC Event type se. After WEL.
WEL VIII 27 11 19 04.1–.63 38.66S 175.38E 209–4 3.6L
¶11326229
WEL Event type ke. Error ellipse: s-maj=6.5km s-min=5.2km az=90.0.
WEL VIII 28 11 14 23.5–.51 38.32S 175.37E 254–4 3.6L
¶11326252
WEL Event type ke. Error ellipse: s-maj=6.0km s-min=5.7km az=0.0.
WEL VIII 28 22 53 45.6–.43 39.49S 174.44E 212–3 3.7L
NEIC VIII 28 22 53 44.4 39.47S 174.40E 222 3.8 ¶11326268
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=90.0.
NEIC Event type se. After WEL.
WEL VIII 29 12 02 50.5–.40 37.87S 176.67E 134–3 3.5L
¶11326279
WEL Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=90.0.
WEL VIII 31 06 12 02.8–.23 38.08S 176.45E 155–1 4.5L
NEIC VIII 31 06 12 02.5 38.06S 176.43E 157 4.5 ¶11322416
WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=90.0.
NEIC Event type se. After WEL.
WEL VIII 31 23 12 45.6–.51 37.85S 175.72E 264–8 3.7L
¶11322433
WEL Event type ke. Error ellipse: s-maj=25.0km s-min=9.9km az=90.0.
ISC IX 01 01 21 49.9–.16 39.18S–.02 175.89E–.03 92–1 5.2b 295 0-179
BJI IX 01 01 21 47.8 39.10S 175.90E 50 5.5b,5.4b ¶13393097
ISCJB IX 01 01 21 48.9–.16 39.17S–.02 175.87E–.03 99–1 5.2b,5.4b
WEL IX 01 01 21 50.9–.10 39.11S 175.89E 85–1 5.8L,5.4b
NEIC IX 01 01 21 50.9 39.11S 175.89E 51 5.8L,5.2b
IDC IX 01 01 21 51.4–.89 38.89S 175.95E 107–9 4.8,4.7
GCMT IX 01 01 21 52.5–.30 39.14S 175.88E 96–2 5.2W,4.7
DJA IX 01 01 22 07 39.30S 175.06E 214 5.2b,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=22.7.
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0. Felt between Auckland, Otago and Gisborne, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Hastings, Havelock North, Napier, Palmerston North, Taradale, Taupo, Wanganui and Wellington. Felt throughout the central part of the North Island and in parts of the South Island. After WEL.
IDC Error ellipse: s-maj=16.7km s-min=13.5km az=32.0.
GCMT Event type se. Data Used: IU II CN IC G. Surface waves: sta= 63, comp= 91, per= 50. Moment Tensor Solution. s38,c55; s1,c1; Moment tensor: Scale 10^{16}Nm; M_{rr}0.19±.24 $M_{\theta\theta}$7.64±.26; $M_{\phi\phi}$-7.83±.24; $M_{r\theta}$2.56±.18; $M_{\theta\phi}$-0.37±.23; $M_{\phi r}$-2.49±.17; Best double couple: NP1:ϕ_s46.00000°,δ65.00000°,λ179.00000°. NP2:ϕ_s137.00000°,δ89.00000°,λ25.00000°. Principal axes: T 8.5100,Plg18.0000°,Azm4.0000°; N 0.0300,Plg65.0000°,Azm140.0000° ; P -8.5500,Plg16.0000°,Azm269.0000° $M_0$8.50000×10^{16}
WEL IX 01 02 37 15.3–.31 38.46S 176.01E 148–2 3.4L
NEIC IX 01 02 37 16.1 38.61S 175.92E 154 4.1 ¶11391628
WEL Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=90.0.
NEIC Event type se. After WEL.
WEL IX 02 00 27 22.6–.43 37.95S 176.15E 164–3 3.5L
¶11391656
WEL Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=90.0.
WEL IX 02 09 10 56.2–.13 37.81S 176.79E 5 3.6L
¶11391665
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
WEL IX 02 10 12 19.4–.11 37.80S 176.79E 5 3.5L
¶11391667
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
WEL IX 02 11 54 22.6–.30 39.45S 174.55E 177–2 3.6L
¶11391673
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=90.0.
WEL IX 02 14 45 24.0–.25 38.01S 176.39E 153–2 4.6L
¶11391676
WEL Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.
WEL IX 02 21 43 50.9–.11 37.81S 176.80E 5 3.8L
¶11391681
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
WEL IX 03 22 51 34.4–.51 38.55S 175.76E 147–3 3.7L
¶11391713
WEL Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=90.0.
ISC IX 05 09 34 31.2–.55 37.80S–.03 176.79E–.04 13–3 3.9b,3.4s 45 0-155
IDC IX 05 09 34 26.9–7.9 36.23S 177.64E 0 4.2,4.0 ¶11391747
ISCJB IX 05 09 34 30.9–.55 37.79S–.03 176.77E–.04 14–3 3.9b,3.4s
NEIC IX 05 09 34 31.3 37.80S 176.79E 5 4.2L,3.4s
WEL IX 05 09 34 31.3–.09 37.80S 176.79E 5 4.2L,3.4s
ISC Event type fe.
IDC Error ellipse: s-maj=283.4km s-min=44.5km az=37.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.6km az=32.7.
NEIC Event type fe. Felt [IV] at Edgecumbe, Matata, Ohope and Whakatane. After WEL.
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=0.0. Felt from Bay of Plenty to Rotorua, maximum reported intensity MM 5.
WEL IX 05 21 01 07.2–.37 39.26S 174.85E 215–2 3.6L
¶11391756
WEL Event type ke. Error ellipse: s-maj=5.1km s-min=2.6km az=90.0.
WEL IX 06 01 46 12.5–.24 39.70S 174.46E 121–2 3.5L
¶11391761
WEL Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=90.0.
ISC IX 06 02 58 49.6–.29 41.09S–.03 175.17E–.04 33–3 4.1b 62 0-152
IDC IX 06 02 58 44.2–1.2 41.00S 175.11E 0 3.7b,3.7 ¶11391762
ISCJB IX 06 02 58 49.4–.36 41.09S–.04 175.16E–.05 43–6 4.1b,3.7
WEL IX 06 02 58 49.9–.04 41.03S 175.11E 31–0 4.1L,3.7
NEIC IX 06 02 58 49.9 41.03S 175.11E 31 4.1L,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=37.2km s-min=17.9km az=130.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.1km az=137.5.
WEL Event type fe. Error ellipse: s-maj=0.6km s-min=0.5km az=90.0. Felt from Wellington to Wairarapa, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] in the Wellington area. After WEL.
WEL IX 07 06 18 54.6–.19 37.07S 176.58E 233–2 3.8L
¶11391792
WEL Event type ke. Error ellipse: s-maj=3.6km s-min=3.5km az=0.0.
WEL IX 09 02 11 22.3–.29 37.08S 176.80E 187–3 4.0L
¶11391825
WEL Event type ke. Error ellipse: s-maj=4.1km s-min=3.8km az=90.0.
WEL IX 10 04 33 38.4–.42 39.07S 175.03E 219–3 3.6L
¶11391851
WEL Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=90.0.
WEL IX 10 23 09 31.9–.54 38.31S 175.83E 174–4 3.6L
¶11391869
WEL Event type ke. Error ellipse: s-maj=3.5km s-min=3.5km az=90.0.
WEL IX 12 04 05 01.6–.36 37.74S 176.78E 166–3 4.2L
¶11391899
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=90.0.
WEL IX 12 09 19 24.0–.47 39.69S 174.09E 192–4 3.5L
¶11391908
WEL Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=90.0.
WEL IX 12 14 26 21.7–.56 37.80S 176.37E 154–4 3.6L
¶11391913
WEL Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=90.0.
WEL IX 13 07 44 06.0–.43 38.58S 175.31E 228–3 3.7L
¶11391929
WEL Event type ke. Error ellipse: s-maj=4.6km s-min=4.5km az=0.0.
WEL IX 14 23 37 48.4–.64 37.19S 176.52E 214–6 3.7L
¶11391974
WEL Event type ke. Error ellipse: s-maj=10.7km s-min=7.7km az=90.0.
WEL IX 15 12 13 48.4–.44 37.32S 176.77E 209–3 4.2L
¶11391986
WEL Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=90.0.
WEL IX 15 18 55 01.7–.40 38.34S 175.93E 168–3 3.5L
¶11391990
WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=0.0.
WEL IX 16 20 20 09.6–.58 37.47S 176.57E 184–4 3.6L
¶11392011
WEL Event type ke. Error ellipse: s-maj=6.6km s-min=5.7km az=0.0.
ISC IX 16 20 30 09.2–.29 38.82S–.02 175.94E–.03 7–3 4.2b 81 0-154
ISCJB IX 16 20 30 09.1–.29 38.82S–.02 175.92E–.03 10–2 4.2b ¶11392012
WEL IX 16 20 30 09.3–.13 38.81S 175.87E 5 4.5L
IDC IX 16 20 30 09.2–.73 38.84S 175.94E 0 4.3,4.2b
NEIC IX 16 20 30 09.3 38.81S 175.87E 5 4.4b,4.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=35.2.

WEL Event type fe. Error ellipse: s-maj=1.8km s-min=1.1km az=90.0. Felt between Waikato, King Country and Taupo, maximum reported intensity MM. 5. Difficult to get a reasonable fit.
IDC Error ellipse: s-maj=25.1km s-min=10.3km az=150.0.
NEIC Event type fe. Felt at Taupo and Wairakei. After WEL.
WEL IX 16 21 27 02.7–.08 38.85S 175.97E 5 3.5L
¶11392016

WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.7km az=90.0. Felt in the Taupo region, maximum reported intensity MM 4.
WEL IX 18 14 04 42.2–.10 39.40S 176.02E 56–1 3.5L
¶11392058

WEL Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=90.0.
WEL IX 19 03 06 26.1–.31 38.61S 175.81E 148–2 3.9L
¶11392068

WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=0.0.
WEL IX 20 00 10 00.3–.31 38.64S 175.81E 141–2 3.8L
¶11392083

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=0.0.
WEL IX 21 03 49 48.6–.39 38.01S 176.12E 164–3 3.5L
¶11392111

WEL Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=0.0.
WEL IX 22 10 38 26.7–.32 38.26S 176.15E 153–3 3.6L
¶11392139

WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=90.0.
WEL IX 22 17 09 45.6–.18 38.02S 176.53E 135–1 3.5L
¶11392143

WEL Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=90.0.
WEL IX 23 19 19 38.4–.07 40.12S 175.00E 12 3.6L
¶11392165

WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.5km az=90.0. Felt from Wanganui to Manawatu, maximum reported intensity MM 4.
WEL IX 23 23 55 30.7–.45 37.93S 176.15E 191–4 3.8L
¶11392170

WEL Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=0.0.
WEL IX 24 11 45 53.7–.91 38.32S 175.86E 188–6 3.6L
¶11392184

WEL Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=0.0.
WEL IX 24 22 05 22.5–.05 39.00S 175.23E 5 3.6L
¶11392195

WEL Event type fe. Error ellipse: s-maj=0.5km s-min=0.5km az=90.0. Felt in the King Country region, maximum reported intensity MM 4.
WEL IX 24 22 22 53.2–.46 39.44S 174.29E 207–3 3.6L
¶11392196

WEL Event type ke. Error ellipse: s-maj=3.8km s-min=1.9km az=90.0.
WEL IX 26 00 07 33.2–.56 38.33S 175.68E 176–4 3.7L
¶11392226

WEL Event type ke. Error ellipse: s-maj=4.3km s-min=4.0km az=90.0.
WEL IX 27 03 24 46.6–.35 39.54S 174.27E 190–3 3.7L
¶11392277

WEL Event type ke. Error ellipse: s-maj=3.6km s-min=1.5km az=90.0.
WEL IX 28 06 20 01.8–.22 39.74S 174.05E 151–2 3.6L
¶11392308

WEL Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=90.0.
WEL IX 28 08 19 18.2–.32 38.11S 176.35E 160–2 4.5L
¶11392310

WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=90.0.
WEL IX 29 15 57 53.6–.15 39.42S 176.15E 69–2 3.5L
¶11392341

WEL Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=90.0.
WEL IX 30 00 14 23.9–.58 37.21S 176.88E 203–5 3.5L
¶11392347

WEL Event type ke. Error ellipse: s-maj=6.3km s-min=6.1km az=0.0.
WEL IX 30 20 09 40.9–.45 38.39S 175.93E 147–3 3.6L
¶11392365

WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=90.0.
WEL X 01 03 32 02.9–.51 38.33S 175.31E 149–9 3.6L
¶11492209

WEL Event type ke. Error ellipse: s-maj=7.0km s-min=6.7km az=90.0.
WEL X 01 06 31 22.8–.54 37.33S 176.21E 203–7 3.9L
¶11492214

WEL Event type ke. Error ellipse: s-maj=12.8km s-min=10.0km az=90.0.
WEL X 02 20 10 48.2–.16 40.20S 175.05E 97–2 3.6L
¶11492246

WEL Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=90.0.
WEL X 03 07 13 17.5–.25 38.55S 176.16E 105–2 4.0L
¶11492263

WEL Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=0.0.
WEL X 04 02 35 52.9–.62 38.46S 175.89E 145–5 3.8L
¶11492286

WEL Event type ke. Error ellipse: s-maj=3.4km s-min=3.2km az=0.0.
WEL X 06 11 37 15.9–.11 37.82S 176.77E 5 2.5L
¶11492336

WEL Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=0.0.
WEL X 07 02 12 04.1–.14 38.45S 177.85E 31–1 3.9L
¶11492353

WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.
WEL X 07 04 32 52.0–.43 38.41S 176.01E 150–4 3.7L
¶11492356

WEL Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=90.0.
WEL X 08 00 04 19.9–.37 38.28S 175.83E 180–3 3.6L
¶11492374

WEL Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=90.0.
WEL X 08 06 14 30.3–.17 37.51S 176.52E 250–1 3.8L
¶11492378

WEL Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=90.0.
WEL X 08 16 34 56.0–.27 38.15S 176.46E 136–2 3.8L
¶11492389

WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=90.0.
WEL X 09 14 53 10.0–.22 38.48S 176.02E 157–1 3.8L
¶11492409

WEL Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=90.0.
WEL X 10 10 45 40.3–.36 38.36S 175.78E 186–3 4.0L
¶11492427

WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=90.0.
WEL X 10 13 38 04.6–.16 38.05S 177.89E 39–5 3.5L
¶11492428

WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=90.0.
WEL X 11 20 13 55.3–.25 37.21S 176.56E 204–3 4.0L
¶11492462

WEL Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=90.0.
WEL X 12 10 24 01.9–.16 39.15S 175.70E 88–1 3.6L
¶11492472

WEL Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=90.0.
WEL X 13 23 22 49.2–.52 37.93S 175.43E 242–4 3.7L
¶11492501

WEL Event type ke. Error ellipse: s-maj=6.1km s-min=3.9km az=90.0.
WEL X 15 13 37 45.0–.44 38.03S 176.34E 152–3 3.6L
¶11492543

WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=90.0.
WEL X 16 08 10 01.6–.56 38.15S 175.98E 207–4 3.7L
¶11492560

WEL Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=0.0.
ISC X 17 00 06 23.8–.38 38.82S–.03 176.00E–.03 6–3 3.9b 50 0-63
ISCJB X 17 00 06 23.4–.37 38.81S–.03 175.99E–.04 9–3 3.9b **¶11492570**
IDC X 17 00 06 23.7–.99 38.66S 175.91E 0 4.0,3.9b
NEIC X 17 00 06 23.4 38.83S 176.00E 5 4.3L,3.9b
WEL X 17 00 06 23.4–.09 38.83S 176.00E 5 4.3L,3.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.8km az=138.3.
IDC Error ellipse: s-maj=27.3km s-min=10.3km az=157.0.
NEIC Event type fe. Felt [IV] at Taupo. After WEL.

WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0. Felt from Rotorua to King Country, maximum reported intensity MM 4.
WEL X 17 12 10 49.6–.21 38.73S 175.60E 129–1 3.6L
¶11492594

WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=90.0.
WEL X 17 15 24 36.1–.39 37.36S 176.35E 178–5 3.6L
¶11492601

WEL Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=90.0.
ISC X 18 23 13 26.9–.29 38.14S–.03 176.17E–.05 204–2 4.3b 164 0-155
ISCJB X 18 23 13 25.9–.29 38.14S–.03 176.16E–.05 211–2 4.3b **¶11492623**
IDC X 18 23 13 25.4–.62 37.81S 176.47E 199–4 4.2,4.0b
NEIC X 18 23 13 26.8 38.00S 176.24E 204 4.3b,4.0b
WEL X 18 23 13 26.8–.36 38.00S 176.24E 204–3 5.5L,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.6km az=11.5.
IDC Error ellipse: s-maj=27.8km s-min=15.4km az=37.0.
NEIC Event type fe. Felt in parts of Hawke's Bay and Bay of Plenty. After WEL.
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=90.0. Felt between Bay of Plenty, Wellington and Gisborne, maximum reported. intensity MM 4.
WEL X 19 00 22 04.2–.40 38.00S 176.16E 178–3 3.6L
¶11492624

WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=0.0.
ISC X 19 01 05 19.2–.38 38.33S–.03 177.39E–.05 55–4 3.9b 91 0-155
ISCJB X 19 01 05 18.4–.40 38.31S–.03 177.40E–.05 63–3 3.9b **¶11492625**
NEIC X 19 01 05 19.8 38.24S 177.38E 50 4.3L,4.2b
WEL X 19 01 05 19.8–.13 38.24S 177.38E 50–1 4.3L,4.2b
IDC X 19 01 05 20.2–1.3 38.43S 176.80E 29–13 4.1L,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.9km az=154.0.
NEIC Event type fe. Felt [IV] at Whakatane. Felt in eastern Bay of Plenty. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=90.0. Felt between Bay of Plenty, Hawkes Bay and Gisborne, maximum reported. intensity MM 5.
IDC Error ellipse: s-maj=25.4km s-min=23.4km az=48.0.
WEL X 19 01 27 46.2–.30 38.19S 176.09E 146–2 3.5L
¶11492629

WEL Event type ke. Error ellipse: s-maj=2.9km s-min=2.9km az=0.0.
WEL X 19 12 18 06.1–.33 39.15S 174.98E 220–2 3.5L
¶11492641

WEL Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=90.0.
WEL X 20 21 08 49.1–.43 38.34S 175.79E 138–3 3.5L
¶11492665

WEL Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=90.0.
WEL X 21 14 43 20.7–.37 37.78S 176.84E 153–2 4.1L
¶11492690

WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=0.0.
WEL X 23 14 13 14.4–.46 37.51S 176.03E 272–6 3.5L
¶11492744

WEL Event type ke. Error ellipse: s-maj=16.2km s-min=8.4km az=90.0.
WEL X 23 17 12 13.8–.75 38.22S 176.08E 172–5 4.0L
¶11492750

WEL Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=0.0.
ISC X 24 17 47 47.1–.29 39.74S–.02 176.81E–.04 45–3 4.2b 119 0-153
ISCJB X 24 17 47 46.4–.30 39.74S–.02 176.84E–.04 55–3 4.2b **¶11492775**
IDC X 24 17 47 47.8–.83 39.40S 176.71E 35–5 4.2,4.0
NEIC X 24 17 47 47.9 39.67S 176.82E 36 4.4b,4.4L
WEL X 24 17 47 47.9–.15 39.67S 176.82E 36–2 4.4L,4.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=14.7.
IDC Error ellipse: s-maj=21.4km s-min=17.5km az=95.0.
NEIC Event type fe. Felt [IV] in the Napier area and at Akina, Flaxmere, Frimley, Greenmeadows, Hastings, Havelock North, Mahora, Parkvale, Raureka, Saint Leonards and Taradale. After WEL.
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=0.9km az=90.0. Felt from Hawke''s Bay to Manawatu, maximum reported intensity MM 5.
WEL X 28 01 51 50.8–.32 38.62S 175.83E 153–2 4.2L
¶11492902

WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=90.0.
WEL X 28 07 45 40.8–.10 38.53S 177.86E 21–1 3.5L
¶11492907

WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.
WEL X 28 09 15 59.7–.48 37.92S 176.12E 140–5 3.7L
¶11492910

WEL Event type ke. Error ellipse: s-maj=6.4km s-min=5.1km az=90.0.
WEL X 28 16 18 47.9–.42 38.41S 176.00E 171–3 4.1L
¶11492915

WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=90.0.
WEL X 29 15 45 01.6–.72 37.32S 176.20E 281–10 3.6L
¶11492933

WEL Event type ke. Error ellipse: s-maj=20.3km s-min=10.2km az=90.0.
ISC XI 01 13 08 21.4–.37 38.76S–.02 177.29E–.04 61–4 4.4b 115 0-154
IDC XI 01 13 08 19.7–2.9 38.83S 177.37E 33–18 4.3,4.1b **¶11521570**
ISCJB XI 01 13 08 20.7–.39 38.75S–.02 177.30E–.04 67–3 4.5b,4.1b
NEIC XI 01 13 08 20.0–1.6 38.90S 177.30E 37–10 4.6b,4.1b
WEL XI 01 13 08 22.5–.12 38.70S 177.24E 52–1 4.6L,4.1b
ISC Event type fe.
IDC Error ellipse: s-maj=31.7km s-min=28.5km az=109.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.0km az=10.0.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=10.0km az=97.0.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.7km az=90.0. Felt between Bay Plenty, Hawke Bay, Gisborne, maximum reported intensity MM 4.
WEL XI 01 18 11 53.1–.32 37.78S 176.82E 157–2 4.1L
¶11521578

WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=90.0.
WEL XI 02 04 57 25.4–.12 37.77S 176.79E 5 3.6L
¶11521584

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.9km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
ISC XI 02 10 59 07.7–.42 37.76S–.03 176.77E–.03 15–3 3.9b 70 0-155
IDC XI 02 10 59 05.7–3.1 37.87S 177.00E 0 4.2,4.0b **¶11521588**
ISCJB XI 02 10 59 07.6–.38 37.75S–.03 176.77E–.03 19–3 3.9b,4.0b
WEL XI 02 10 59 08.0–.09 37.77S 176.80E 5 4.3L,4.0b
NEIC XI 02 10 59 08.0 37.77S 176.80E 5 4.3L,4.1b
ISC Event type fe.
IDC Error ellipse: s-maj=84.8km s-min=13.1km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=4.3km az=140.2.
WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.7km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 5.
NEIC Event type fe. Felt in the Bay of Plenty area. After WEL.
WEL XI 02 11 03 07.6–.12 37.76S 176.80E 5 3.6L
¶11521589

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.8km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
WEL XI 03 16 34 55.8–.27 39.42S 174.54E 145–2 3.9L
¶11521618

WEL Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=90.0.
ISC XI 03 17 02 11.0–.34 38.94S–.02 176.19E–.04 92–3 4.1b 108 0-154
IDC XI 03 17 02 09.2–1.0 39.06S 176.11E 66–14 4.0,3.9b **¶11521619**
ISCJB XI 03 17 02 10.2–.35 38.94S–.02 176.19E–.04 98–3 4.1b,3.9b
NEIC XI 03 17 02 10.2–.76 39.08S 176.27E 88–9 4.5b,3.9b
WEL XI 03 17 02 12.3–.12 38.88S 176.19E 79–1 4.3L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=31.3km s-min=12.2km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=18.7.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=10.1km az=123.0.
WEL Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0.
WEL XI 04 13 52 46.0–.71 37.78S 176.26E 185–6 3.5L
¶11521631

WEL Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=90.0.
WEL XI 04 17 26 18.7–.25 38.58S 176.08E 102–2 3.6L
¶11521634

WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=0.0.
WEL XI 04 18 12 46.0–.71 37.43S 176.42E 254–5 3.9L
¶11521635

WEL Event type ke. Error ellipse: s-maj=6.0km s-min=4.9km az=0.0.
WEL XI 05 09 46 50.9–.66 38.24S 176.18E 155–5 3.5L
¶11521646

WEL Event type ke. Error ellipse: s-maj=11.1km s-min=5.1km az=90.0.
WEL XI 05 22 33 49.5–.08 40.54S 175.95E 26–1 3.9L
¶11521658

WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.8km az=90.0. Felt between Manawatu, Wellington and Wairarapa, maximum reported intensity. MM 4.
WEL XI 06 04 25 25.8–.08 37.82S 176.76E 5 3.5L
¶11521667

WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
WEL XI 07 06 21 29.6–.52 38.03S 176.20E 160–4 3.7L
¶11521691

WEL Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=90.0.
WEL XI 07 06 44 40.5–.28 38.09S 175.96E 191–2 4.6L
¶11521692

WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=90.0.
WEL XI 07 17 05 34.9–.35 37.82S 176.24E 163–3 3.7L
¶11521706

WEL Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=0.0.
WEL XI 07 18 38 27.6–.09 40.10S 176.75E 49–1 3.6L
¶11521709

WEL Event type fe. Error ellipse: s-maj=1.4km s-min=0.7km az=90.0. Felt in the Hawke"s Bay region, maximum reported intensity MM 4.
WEL XI 08 07 34 21.7–.36 37.94S 176.23E 151–4 3.6L
¶11521718

WEL Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=90.0.
ISC XI 08 11 57 25.4–.25 38.27S–.03 176.04E–.05 205–2 4.3b 165 0-170
ISCJB XI 08 11 57 24.5–.25 38.25S–.03 176.03E–.05 209–2 4.3b **¶11453024**
IDC XI 08 11 57 24.5–.38 37.95S 176.19E 201–3 4.3,4.2
WEL XI 08 11 57 25.9–.30 38.16S 176.06E 201–2 5.7L,4.2
NEIC XI 08 11 57 25.7 38.15S 176.03E 203 4.4b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.5km az=13.1.
IDC Error ellipse: s-maj=17.1km s-min=9.8km az=35.0.
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=90.0. Felt between Bay of Plenty, Wellington and Gisborne, maximum reported. intensity MM 5.
NEIC Event type fe. Felt [IV] at Gisborne, Kotemaori and Waituna West. Widely felt on the North Island. After WEL.
WEL XI 10 06 33 43.6–.21 37.15S 176.45E 199–2 3.8L
¶11521769

WEL Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=90.0.
WEL XI 10 16 40 14.8–.33 38.72S 175.66E 150–2 3.7L
¶11521773

WEL Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=90.0.
WEL XI 12 18 06 10.9–.12 38.23S 177.49E 43–2 3.5L
¶11521821

WEL Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=0.0.
WEL XI 14 06 48 48.6–.11 39.66S 176.76E 40–2 3.6L
¶11521855

WEL Event type fe. Error ellipse: s-maj=2.0km s-min=0.9km az=90.0. Felt in the Hawke"s Bay region, maximum reported intensity MM 4.
WEL XI 14 11 12 58.4–.53 38.14S 176.14E 160–4 3.5L
¶11521864

WEL Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=0.0.
ISC XI 14 14 14 13.8–.35 38.37S–.03 176.18E–.05 170–3 3.8b 143 0-154
ISCJB XI 14 14 14 12.6–.37 38.37S–.03 176.20E–.05 179–3 3.8b **¶11473029**
IDC XI 14 14 14 12.6–.50 38.58S 176.28E 157–6 3.7,3.6
NEIC XI 14 14 14 14.7 38.27S 176.23E 160 3.9b,3.6
BJI XI 14 14 14 14.6 38.30S 176.20E 160 3.9b,3.6
WEL XI 14 14 14 15.0–.22 38.28S 176.25E 157–1 5.2L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.5km az=8.1.
IDC Error ellipse: s-maj=26.0km s-min=15.5km az=133.0.
NEIC Event type fe. Felt in the Eskdale-Havelock North area and at Palmerston North, Rotorua and Wellington. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.2km s-min=1.0km az=90.0. Felt between Auckland, Canterbury and Gisborne, maximum reported intensity MM. 4.
ISC XI 15 00 22 00.5–.31 40.93S–.03 175.62E–.04 27–3 3.3b 64 0-152
ISCJB XI 15 00 22 00.2–.32 40.94S–.03 175.62E–.04 32–3 3.3b **¶11521881**
NEIC XI 15 00 22 00.9 40.89S 175.56E 27 4.1L
WEL XI 15 00 22 00.9–.07 40.90S 175.56E 27–1 4.1L
IDC XI 15 00 22 01.7–8.8 39.69S 174.93E 0 3.7,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=3.5km az=38.5.
NEIC Event type fe. Felt [IV] at Carterton and Masterton. Also felt in the Kapiti area. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.9km az=90.0. Felt between Manawatu, Wellington and Wairarapa, maximum reported intensity. MM 5.
IDC Error ellipse: s-maj=556.5km s-min=48.3km az=30.0.
WEL XI 16 08 45 54.6–.32 38.32S 176.16E 137–2 3.7L
¶11521912

WEL Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=90.0.
WEL XI 16 10 01 27.7–.06 40.88S 175.55E 25–0 4.0L
¶11521913

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0. Felt from Manawatu to Wellington, maximum reported intensity MM 4.
WEL XI 17 15 29 30.8–.26 37.10S 176.64E 253–3 3.9L
¶11521940

WEL Event type ke. Error ellipse: s-maj=5.5km s-min=5.2km az=90.0.
WEL XI 18 00 57 34.8–.57 38.48S 175.95E 134–4 3.5L
¶11521953

WEL Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=0.0.
WEL XI 20 00 36 28.3–.30 38.42S 176.03E 159–2 3.9L
¶11521995

WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=90.0.
WEL XI 20 04 00 49.4–.72 38.55S 175.35E 242–6 3.6L
¶11522000

WEL Event type ke. Error ellipse: s-maj=9.1km s-min=7.9km az=90.0.
WEL XI 20 10 15 47.8–.22 38.44S 176.06E 159–1 3.9L
¶11522004

WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=0.0.
WEL XI 22 16 01 14.2–.35 38.37S 175.90E 160–2 4.1L
¶11522050

WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=0.0.
WEL XI 24 01 01 53.5–.34 37.28S 176.58E 169–4 3.6L
¶11522070

WEL Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=90.0.
ISC XI 24 03 35 25.6–.30 37.07S–.04 176.65E–.06 411–2 4.4b 190 1-177
ISCJB XI 24 03 35 24.8–.28 37.09S–.03 176.62E–.06 416–2 4.4b **¶11522076**
NEIC XI 24 03 35 27.0 37.09S 176.75E 394 4.3b
WEL XI 24 03 35 27.2–.33 37.13S 176.76E 395–2 5.5L
IDC XI 24 03 35 27.4–1.4 36.84S 176.71E 437–14 4.1,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.3km az=4.1.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=0.0.
IDC Error ellipse: s-maj=13.3km s-min=8.8km az=34.0.
WEL XI 24 14 11 12.0–.45 38.37S 176.06E 131–4 3.5L
¶11522086

WEL Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=90.0.
WEL XI 25 01 11 25.4–.39 37.73S 176.53E 168–2 3.9L
¶11522095

WEL Event type ke. Error ellipse: s-maj=3.3km s-min=3.2km az=0.0.
WEL XI 26 12 17 42.4–.38 37.13S 176.86E 200–3 3.6L
¶11522154

WEL Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=0.0.
WEL XI 27 01 58 57.8–.56 37.08S 176.74E 246–5 3.9L
¶11522173

WEL Event type ke. Error ellipse: s-maj=5.0km s-min=4.8km az=90.0.
WEL XI 27 20 29 25.5–.62 38.38S 175.81E 203–5 3.5L
¶11522197

WEL Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=90.0.
WEL XI 29 06 21 32.3–.47 38.24S 176.01E 146–4 3.7L
¶11521154

WEL Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=0.0.
WEL XI 30 01 02 11.2–.51 38.16S 176.16E 149–4 3.7L
¶11521176

WEL Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=0.0.
WEL XI 30 21 22 35.0–.45 39.68S 174.05E 203–4 3.5L
¶11521205

WEL Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=90.0.
WEL XII 01 20 47 43.9–.41 38.04S 176.94E 151–3 3.5L
¶11656596

WEL Event type ke. Error ellipse: s-maj=14.8km s-min=2.8km az=90.0.
ISC XII 02 05 47 03.8–.35 37.75S–.03 176.39E–.06 198–2 4.4b 142 0-155
ISCJB XII 02 05 47 02.9–.35 37.75S–.03 176.38E–.06 203–2 4.4b **¶11656605**
IDC XII 02 05 47 02.9–.51 37.85S 176.36E 190–5 4.1,4.0
WEL XII 02 05 47 03.5–.29 37.58S 176.54E 192–2 5.3L,4.0
NEIC XII 02 05 47 03.5 37.58S 176.54E 192 3.9b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=5.4km az=174.7.
IDC Error ellipse: s-maj=21.4km s-min=14.1km az=11.0.
WEL Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=90.0. Felt from Coromandel to Marlborough, maximum reported intensity MM 5.
NEIC Event type se. After WEL.
WEL XII 03 03 02 21.0–.89 37.95S 175.72E 177–8 3.3L
¶12075583

WEL Event type ke. Error ellipse: s-maj=12.0km s-min=7.3km az=90.0.
WEL XII 04 19 41 56.7–.36 38.07S 175.88E 186–3 3.5L
NEIC XII 04 19 41 56.4 38.05S 175.86E 186 3.5 **¶11656664**
WEL Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=90.0.
NEIC Event type se. After WEL.
WEL XII 06 05 04 23.8–.39 39.40S 174.65E 173–3 4.2L
NEIC XII 06 05 04 23.7 39.40S 174.64E 174 4.2 **¶11656709**
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=90.0.
NEIC Event type se. After WEL.
WEL XII 06 23 04 53.6–.25 37.10S 176.67E 201–2 4.1L
NEIC XII 06 23 04 54.3 37.14S 176.74E 200 4.1 **¶11656730**
WEL Event type ke. Error ellipse: s-maj=3.4km s-min=3.3km az=0.0.
NEIC Event type se. After WEL.
WEL XII 07 19 33 21.4–.04 41.13S 175.13E 8–0 3.5L
NEIC XII 07 19 33 21.4 41.13S 175.13E 8 3.5L **¶11656752**
WEL Event type fe. Error ellipse: s-maj=0.4km s-min=0.3km az=90.0. Felt in the Wellington region, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Silverstream and Upper Hutt. After WEL.
WEL XII 08 06 03 06.4–.42 38.27S 175.96E 180–3 3.4L
NEIC XII 08 06 03 05.7 38.24S 175.95E 185 3.5 **¶11656761**
WEL Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=90.0.
NEIC Event type se. After WEL.
WEL XII 09 22 13 35.3–.41 37.98S 176.14E 178–3 3.8L
NEIC XII 09 22 13 35.4 37.97S 176.13E 176 3.8 **¶11656812**
WEL Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=0.0.
NEIC Event type se. After WEL.
WEL XII 10 00 43 29.7–.20 38.35S 177.04E 66–1 3.9L
NEIC XII 10 00 43 30.6 38.36S 177.01E 56 3.9L **¶11656814**
WEL Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=90.0.
NEIC Event type se. After WEL.
WEL XII 11 07 43 58.6–.26 39.14S 175.11E 163–2 3.6L
NEIC XII 11 07 43 57.8 39.08S 175.07E 168 3.5 **¶11656839**
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=0.0.
NEIC Event type se. After WEL.
WEL XII 11 16 59 30.9–.31 38.67S 175.92E 121–2 3.6L
NEIC XII 11 16 59 31.1 38.67S 175.92E 120 3.6 **¶11656847**
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.7km az=0.0.
NEIC Event type se. After WEL.
WEL XII 14 06 13 32.5–.40 37.97S 176.64E 150–3 3.9L
NEIC XII 14 06 13 33.3 38.00S 176.64E 144 3.9 **¶11656901**
WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=90.0.
NEIC Event type se. After WEL.
WEL XII 14 14 05 39.8–.43 38.99S 175.11E 214–3 3.5L
¶11656912

WEL Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=90.0.
WEL XII 14 17 45 34.8–.64 38.51S 175.74E 162–5 3.5L
¶11656916

WEL Event type ke. Error ellipse: s-maj=3.8km s-min=3.8km az=90.0.
ISC XII 16 21 57 11.4–.58 37.78S–.04 176.73E–.04 12–4 3.7b 46 0-155
IDC XII 16 21 57 07.6–2.8 37.82S 177.27E 0 4.0,3.8 **¶11656970**
ISCJB XII 16 21 57 11.2–.56 37.77S–.04 176.72E–.04 13–3 3.7b,3.8
WEL XII 16 21 57 11.5–.09 37.80S 176.75E 5 4.1L,3.8
NEIC XII 16 21 57 11.3 37.80S 176.75E 2 4.1L,4.0b
ISC Event type fe.
IDC Error ellipse: s-maj=56.0km s-min=16.1km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.9km az=41.0.
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
NEIC Event type fe. Felt in the Bay of Plenty area. After WEL.
WEL XII 17 01 36 01.1–.13 37.80S 176.75E 5 3.5L
¶11656978

WEL Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=90.0.
ISC XII 17 21 18 43.0–.31 38.69S–.02 176.69E–.04 67–3 3.8b 108 0-154
ISCJB XII 17 21 18 42.3–.31 38.68S–.02 176.69E–.04 73–3 3.8b **¶11656993**
IDC XII 17 21 18 42.9–.96 38.43S 176.90E 73–9 3.9,3.7b
WEL XII 17 21 18 43.5–.12 38.63S 176.68E 64–1 4.7L,3.7b
NEIC XII 17 21 18 43.5 38.61S 176.68E 64 4.6L,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=8.2.
IDC Error ellipse: s-maj=37.1km s-min=25.6km az=153.0.
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0. Felt Bay Plenty - Hawk Bay and King Country - Gisborne, max reported. intensity MM 4.
NEIC Event type fe. Felt at Napier and Whakatane. After WEL.
ISC XII 19 00 21 05.2–.19 38.36S–.02 176.04E–.04 188–1 4.7b 210 0-179
IDC XII 19 00 21 03.4–.27 38.33S 176.38E 188–3 4.5,4.4 **¶11513594**
ISCJB XII 19 00 21 04.3–.19 38.36S–.02 176.03E–.04 193–1 4.6b,4.4
WEL XII 19 00 21 05.4–.28 38.25S 176.14E 187–2 5.8L,4.4
NEIC XII 19 00 21 05.7 38.25S 176.09E 185 4.8b,4.4
BJI XII 19 00 21 06.6 38.30S 176.10E 184 5.2b,5.1b
ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=11.3km az=22.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=6.7.
WEL Event type fe. Error ellipse: s-maj=1.5km s-min=1.0km az=90.0. Felt from Nelson to Gisborne, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Feilding, Gisborne, Hastings, Hokowhitu, Napier, Palmerston North, Taradale and Wellington. Felt widely in the eastern part of the North Island. After WEL.
WEL XII 19 09 33 49.8–.60 38.79S 175.30E 217–4 3.6L
¶11657020

WEL Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=90.0.
WEL XII 20 05 47 33.5–.12 40.09S 175.13E 65–2 3.7L
¶11657041

WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.6km az=90.0. Felt between King Country, Manawatu and Taranaki, maximum reported intensity. MM 4.
WEL XII 20 08 58 57.0–.22 39.89S 175.12E 72–3 3.6L
NEIC XII 20 08 58 57.0 39.88S 175.11E 72 3.6L **¶11657044**
WEL Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=90.0.
NEIC Event type se. After WEL.
WEL XII 20 11 53 06.1–.38 38.74S 175.25E 220–3 4.1L
NEIC XII 20 11 53 06.1 38.73S 175.28E 220 4.1 **¶11657048**
WEL Event type ke. Error ellipse: s-maj=2.0km s-min=2.0km az=90.0.
NEIC Event type se. After WEL.

WEL XII 20 16 55 07.8–.45 38.77S 175.11E 206–3 3.6L
¶11657057
WEL Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=90.0.
WEL XII 20 17 34 15.0–.46 38.59S 175.36E 208–3 3.8L
¶11657059
WEL Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=90.0.
WEL XII 23 15 26 00.3–.39 39.45S 174.64E 188–2 3.5L
NEIC XII 23 15 25 58.5 39.41S 174.62E 205 3.5 ¶11657123
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=90.0.
NEIC Event type se. After WEL.
WEL XII 25 02 06 31.9–.21 38.75S 175.74E 140–2 4.4L
NEIC XII 25 02 06 31.6 38.74S 175.73E 143 4.4 ¶11657161
WEL Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=90.0.
NEIC Event type se. After WEL.
WEL XII 25 15 14 57.4–.56 38.16S 175.73E 189–5 3.5L
¶11657175
WEL Event type ke. Error ellipse: s-maj=4.5km s-min=4.3km az=90.0.
WEL XII 27 05 24 32.9–.34 38.40S 175.76E 180–2 3.9L
NEIC XII 27 05 24 31.4 38.36S 175.72E 193 3.9 ¶11657222
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=0.0.
NEIC Event type se. After WEL.
WEL XII 27 06 32 11.7–.38 39.48S 174.41E 220–3 3.6L
NEIC XII 27 06 32 11.8 39.49S 174.41E 219 3.6 ¶11657225
WEL Event type ke. Error ellipse: s-maj=3.5km s-min=1.9km az=90.0.
NEIC Event type se. After WEL.
WEL XII 27 16 41 22.9–.11 39.88S 176.75E 47–2 3.5L
NEIC XII 27 16 41 22.8 39.89S 176.76E 49 3.5L ¶11657236
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.7km az=90.0. Felt from Hawke''s Bay to Wairarapa, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL XII 28 15 21 45.5–.27 38.71S 175.47E 176–2 3.8L
NEIC XII 28 15 21 44.5 38.68S 175.47E 184 3.8 ¶11657260
WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=0.0.
NEIC Event type se. After WEL.
WEL XII 29 15 43 54.0–.33 38.03S 176.48E 135–2 3.5L
NEIC XII 29 15 43 54.2 38.04S 176.47E 132 3.5 ¶11656036
WEL Event type ke. Error ellipse: s-maj=2.1km s-min=2.1km az=90.0.
NEIC Event type se. After WEL.
WEL XII 30 09 39 12.9–.44 38.46S 175.34E 214–3 3.6L
NEIC XII 30 09 39 12.9 38.47S 175.35E 214 3.6 ¶11656056
WEL Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=90.0.
NEIC Event type se. After WEL.

(160) Off east coast of North Island.

WEL VII 01 04 03 23.5–.33 36.54S 177.29E 237–3 4.0L
¶11207156
WEL Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=90.0.
WEL VII 01 19 26 02.1–.66 35.35S 178.88E 33 3.7L
¶11207169
WEL Event type ke. Error ellipse: s-maj=11.0km s-min=5.6km az=90.0.
WEL VII 02 00 36 47.6–.50 41.73S 178.04E 33 3.6L
¶11207172
WEL Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=90.0.
WEL VII 03 06 04 32.4–.84 35.44S 178.65E 176–10 4.4L
NEIC VII 03 06 04 32.4 35.44S 178.65E 176 4.4 ¶11207206
WEL Event type ke. Error ellipse: s-maj=17.5km s-min=12.3km az=90.0.
NEIC Event type se. After WEL.
WEL VII 05 23 02 41.1–.42 36.35S 177.47E 211–4 3.9L
¶11207273
WEL Event type ke. Error ellipse: s-maj=7.1km s-min=6.3km az=90.0.
WEL VII 06 01 20 15.2–.56 37.01S 177.18E 178–5 3.8L
¶11207274
WEL Event type ke. Error ellipse: s-maj=8.2km s-min=7.5km az=90.0.
WEL VII 06 02 52 28.6–.56 35.84S 178.12E 33 3.7L
¶11207275
WEL Event type ke. Error ellipse: s-maj=6.9km s-min=3.9km az=90.0.
WEL VII 07 11 39 02.0–.55 36.73S 177.36E 172–6 3.6L
¶11207306
WEL Event type ke. Error ellipse: s-maj=8.1km s-min=6.0km az=90.0.
WEL VII 09 00 59 37.2–.30 37.29S 177.06E 142–2 3.6L
¶11207329
WEL Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=90.0.
WEL VII 09 19 01 08.9–1.1 36.03S 178.48E 207–10 3.7L
NEIC VII 09 19 01 07.4 35.90S 178.42E 209 3.8 ¶11207349
WEL Event type ke. Error ellipse: s-maj=17.9km s-min=16.5km az=90.0.
NEIC Event type se. After WEL.
WEL VII 11 00 06 16.2–.18 38.35S 178.47E 27–1 3.8L
NEIC VII 11 00 06 14.9 38.30S 178.60E 30 3.9L ¶11207372
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=0.9km az=90.0. Felt from Bay of Plenty to Hawke''s Bay, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL VII 11 17 59 48.5–.28 38.34S 178.48E 26–2 3.1L
¶11207388
WEL Event type ke. Error ellipse: s-maj=3.0km s-min=1.4km az=90.0.
WEL VII 14 16 07 25.2–.29 37.36S 179.43E 12 3.7L
NEIC VII 14 16 07 26.5 37.33S 179.46E 33 3.7L ¶11207475
WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=90.0.
NEIC Event type se. After WEL.
WEL VII 15 03 53 29.1–.15 37.68S 177.39E 64–1 3.7L
NEIC VII 15 03 53 29.3 37.67S 177.40E 59 3.8L ¶11207494
WEL Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=0.0.
NEIC Event type se. After WEL.
ISC VII 15 04 58 20.4–.63 37.36S–.05 177.40E–.07 157–4 3.8b 125 0-152
IDC VII 15 04 58 17.6–3.5 37.07S 177.81E 142–20 3.7,3.6b ¶11207496
ISCJB VII 15 04 58 19.6–.65 37.38S–.05 177.40E–.08 164–3 3.8b,3.6b
WEL VII 15 04 58 20.5–.27 37.14S 177.50E 139–2 4.5L,3.6b
NEIC VII 15 04 58 20.5 37.14S 177.50E 139 4.5,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=53.4km s-min=30.9km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.7km az=164.7.
WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=0.0.
NEIC Event type se. After WEL.
WEL VII 15 13 49 26.5–.65 36.53S 178.21E 12 3.6L
¶11207504
WEL Event type ke. Error ellipse: s-maj=4.6km s-min=4.4km az=0.0.
ISC VII 15 15 04 33.1–1.4 37.49S–.08 179.7E–.10 37–16 3.4b 64 1-151
NEIC VII 15 15 04 33.9 37.36S 179.42E 12 4.0L ¶11207509
WEL VII 15 15 04 34.4–.41 37.38S 179.40E 12 3.9L
IDC VII 15 15 04 43.4–2.1 37.92S 178.83E 90–22 3.7,3.6b
ISC Event type ke.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=90.0.
IDC Error ellipse: s-maj=68.2km s-min=22.6km az=163.0.
ISC VII 15 15 09 10.0–1.6 37.42S–.08 179.53E–.08 6–9 50 1-151
WEL VII 15 15 09 13.0–.33 37.34S 179.40E 12 3.9L ¶11207510
NEIC VII 15 15 09 12.1 37.35S 179.39E 5 3.9L
IDC VII 15 15 09 18.4–5.0 38.19S 179.46E 75–38 3.5,3.4
ISC Event type ke.
WEL Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=0.0.
NEIC Event type se. After WEL.
IDC Error ellipse: s-maj=40.7km s-min=34.5km az=62.0.
WEL VII 15 19 32 57.2–.18 37.93S 177.72E 60–2 4.0L
NEIC VII 15 19 32 57.2 37.92S 177.71E 62 4.0L ¶11207521
WEL Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=90.0.
NEIC Event type se. After WEL.
WEL VII 16 12 27 48.6–.31 37.32S 179.44E 12 3.7L
NEIC VII 16 12 27 50.1 37.26S 179.43E 33 3.7L ¶11207543
WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=0.0.
NEIC Event type se. After WEL.
WEL VII 17 02 24 01.8–.37 36.30S 177.40E 171–5 3.5L
¶11207557
WEL Event type ke. Error ellipse: s-maj=5.5km s-min=4.9km az=0.0.
WEL VII 17 02 30 34.9–.65 36.55S 177.43E 212–5 3.5L
¶11207558
WEL Event type ke. Error ellipse: s-maj=9.2km s-min=7.0km az=90.0.
WEL VII 18 01 21 29.7–.88 35.22S 178.82E 214–12 4.2L
¶11207579
WEL Event type ke. Error ellipse: s-maj=20.7km s-min=12.6km az=90.0.
WEL VII 18 13 37 38.1–.45 35.58S 178.58E 235–19 3.5L
¶11207587
WEL Event type ke. Error ellipse: s-maj=27.1km s-min=25.3km az=90.0.
WEL VII 22 00 49 17.4–.30 37.62S 177.13E 5 3.7L
NEIC VII 22 00 49 17.2 37.62S 177.13E 3 3.7L ¶11207685
WEL Event type fe. Error ellipse: s-maj=2.5km s-min=2.0km az=0.0. Felt from Bay of Plenty to Hawke''s Bay, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL VII 22 09 44 38.9–.22 38.92S 178.32E 44–2 3.7L
NEIC VII 22 09 44 38.5 38.96S 178.37E 45 3.7L ¶11207691
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=90.0.
NEIC Event type se. After WEL.
WEL VII 22 16 42 56.5–.70 37.06S 177.11E 164–4 3.6L
¶11207695
WEL Event type ke. Error ellipse: s-maj=6.8km s-min=5.9km az=0.0.
WEL VII 23 18 40 56.3–.82 37.07S 177.35E 157–4 3.6L
¶11207722
WEL Event type ke. Error ellipse: s-maj=9.0km s-min=8.6km az=0.0.
WEL VII 24 12 36 17.3–.17 37.39S 177.11E 5 3.6L
¶11207743
WEL Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=0.0.
WEL VII 24 14 21 35.3–.11 39.26S 177.16E 29–0 4.5L
NEIC VII 24 14 21 35.1 39.30S 177.19E 38 4.5L ¶11207745
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=0.8km az=90.0. Felt in the Hawke''s Bay region, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Napier, Napier South, Onekawa and Taradale. After WEL.
WEL VII 25 02 30 31.3–.86 36.85S 177.43E 175–7 3.6L
¶11207761
WEL Event type ke. Error ellipse: s-maj=10.2km s-min=8.4km az=90.0.
WEL VII 25 12 10 12.9–.30 37.08S 177.47E 150–2 4.4L
NEIC VII 25 12 10 12.5 37.05S 177.48E 151 4.5 ¶11207770
WEL Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=0.0.
NEIC Event type se. After WEL.
WEL VII 25 15 40 11.0–.61 36.91S 176.96E 208–6 3.5L
¶11207775
WEL Event type ke. Error ellipse: s-maj=7.5km s-min=6.1km az=90.0.
WEL VII 26 00 46 09.1–.40 36.53S 177.23E 231–4 4.0L
NEIC VII 26 00 46 09.4 36.64S 177.30E 241 4.0 ¶11207784
WEL Event type ke. Error ellipse: s-maj=5.9km s-min=5.4km az=90.0.
NEIC Event type se. After WEL.
WEL VII 26 00 56 24.1–.58 36.07S 177.51E 294–8 3.7L
¶11207785
WEL Event type ke. Error ellipse: s-maj=12.3km s-min=12.2km az=0.0.
WEL VII 27 04 16 52.4–.70 36.81S 177.37E 155–11 3.5L
¶11207804
WEL Event type ke. Error ellipse: s-maj=16.6km s-min=11.2km az=90.0.
WEL VII 30 02 25 23.6–.17 37.47S 178.18E 5 3.5L
¶11207856
WEL Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=0.0.
WEL VIII 03 16 38 53.6–.69 37.39S 179.38E 12 3.5L
¶11325638
WEL Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=0.0.
WEL VIII 05 08 51 14.5–.40 37.23S 177.89E 60–4 4.0L
NEIC VIII 05 08 51 15.1 37.28S 177.88E 57 3.9L ¶11325683
WEL Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=0.0.
NEIC Event type se. After WEL.
WEL VIII 06 08 43 42.6–.46 36.84S 177.01E 236–3 4.1L
¶11325704
WEL Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=0.0.
WEL VIII 06 09 40 23.4–.19 38.86S 178.09E 29–1 3.7L
¶11325708
WEL Event type fe. Error ellipse: s-maj=2.5km s-min=1.3km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.
WEL VIII 08 02 43 52.0–.31 37.52S 177.35E 117–2 3.7L
¶11325758
WEL Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=90.0.
WEL VIII 08 18 31 26.9–.27 37.55S 177.15E 132–2 3.5L
¶11325771
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=90.0.
WEL VIII 09 21 08 03.2–.82 35.84S 178.02E 138–14 3.7L
¶11325800
WEL Event type ke. Error ellipse: s-maj=17.3km s-min=10.0km az=90.0.
ISC VIII 11 07 48 44.8–1.6 35.8S–.10 178.9E–.20 269–7 3.7b 109 2-157
IDC VIII 11 07 48 15.5–1.7 34.84S 179.59E 0 4.2,4.1b ¶11325844
NEIC VIII 11 07 48 41.5 35.32S 178.92E 232 4.6,4.1b
WEL VIII 11 07 48 41.5–.52 35.30S 178.99E 225–6 4.6L,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=60.4km s-min=42.4km az=41.0.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=5.4km s-min=4.9km az=90.0.
WEL VIII 11 19 15 31.5–.29 37.13S 177.13E 151–3 3.6L
¶11325850
WEL Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=90.0.
WEL VIII 12 01 40 45.2–.29 38.61S 178.43E 24–1 3.8L
NEIC VIII 12 01 40 44.8 38.61S 178.47E 24 3.8L ¶11325860
WEL Event type fe. Error ellipse: s-maj=3.2km s-min=1.1km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Manutuke. After WEL.
WEL VIII 12 04 41 58.2–.79 36.89S 177.50E 175–4 3.7L
NEIC VIII 12 04 41 58.7 36.95S 177.59E 178 3.7 ¶11325865
WEL Event type ke. Error ellipse: s-maj=8.1km s-min=7.3km az=0.0.
NEIC Event type se. After WEL.
ISC VIII 15 20 33 14.5–1.5 35.6S–.20 179.0E–.20 213–16 3.3b 38 2-98
IDC VIII 15 20 33 11.5–7.4 35.27S 179.07E 180–64 3.5,3.3b ¶11325951
ISCJB VIII 15 20 33 13.7–1.5 35.6S–.20 178.9E–.20 218–17 3.3b,3.3b
NEIC VIII 15 20 33 15.1 35.60S 178.78E 226 4.1,3.3b
WEL VIII 15 20 33 15.6–.66 35.61S 178.84E 217–16 4.0L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=85.7km s-min=31.2km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=32.2km s-min=18.5km az=159.1.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=16.4km s-min=12.6km az=90.0.
WEL VIII 16 01 10 12.1–.25 37.62S 177.41E 107–2 3.7L
NEIC VIII 16 01 10 11.4 37.60S 177.42E 115 3.8 ¶11325956
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=0.0.
NEIC Event type se. After WEL.
ISC VIII 16 12 32 01.4–.73 36.53S–.05 177.65E–.09 240–4 4.1b 87 1-156
IDC VIII 16 12 31 53.9–3.7 35.56S 178.33E 186–27 4.1,3.9b ¶11325962
NEIC VIII 16 12 31 58.8–1.3 36.40S 177.95E 227–9 4.1b,3.9b
ISCJB VIII 16 12 32 00.8–.72 36.55S–.05 177.62E–.09 246–4 4.1b,3.9b
WEL VIII 16 12 32 00.6–.33 36.28S 177.85E 219–2 4.9L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=19.5km az=44.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=15.3km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=8.1km az=165.1.
WEL Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=0.0.
WEL VIII 16 19 25 08.3–.28 37.44S 177.17E 2 3.8L
NEIC VIII 16 19 25 08.8 37.46S 177.12E 2 3.8L ¶11325972
WEL Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=0.0.
NEIC Event type se. After WEL.
WEL VIII 17 07 12 33.2–.41 36.87S 177.36E 164–3 3.6L
¶11325990
WEL Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=0.0.
WEL VIII 18 06 58 48.3–.59 36.33S 178.41E 83–5 3.7L

NEIC VIII 18 06 58 47.3 36.19S 178.41E 58 3.7L ¶11326006
WEL Event type ke. Error ellipse: s-maj=8.6km s-min=4.2km az=90.0.
NEIC Event type se. After WEL.
WEL VIII 22 04 05 31.4–1.1 41.64S 178.93E 33 3.7L

¶11326078
WEL Event type ke. Error ellipse: s-maj=8.2km s-min=7.6km az=90.0.
WEL VIII 23 05 17 04.0–.44 35.77S 178.77E 224–8 3.5L

¶11326114
WEL Event type ke. Error ellipse: s-maj=10.1km s-min=9.1km az=90.0.
WEL VIII 23 08 09 20.2–.71 41.73S 178.96E 33 3.7L

¶11326118
WEL Event type ke. Error ellipse: s-maj=5.9km s-min=4.6km az=90.0.
WEL VIII 27 01 50 29.4–.59 35.89S 178.32E 195–9 3.6L

¶11326220
WEL Event type ke. Error ellipse: s-maj=14.6km s-min=11.3km az=90.0.
WEL VIII 28 20 11 45.3–.86 38.02S 178.78E 33 3.5L

¶11326265
WEL Event type ke. Error ellipse: s-maj=10.1km s-min=3.3km az=90.0.
WEL VIII 29 05 11 46.0–.91 37.64S 179.79E 33 3.5L

¶11326277
WEL Event type ke. Error ellipse: s-maj=7.8km s-min=6.7km az=90.0.
WEL VIII 30 12 35 59.7–.23 39.43S 177.63E 40–5 3.5L

¶11326306
WEL Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=90.0.
WEL IX 01 19 42 18.6–.32 36.92S 176.93E 209–4 3.9L

¶11391649
WEL Event type ke. Error ellipse: s-maj=5.6km s-min=5.0km az=0.0.
WEL IX 03 08 54 46.1–.50 39.03S 179.39E 33 3.9L

¶11391696
WEL Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=90.0.
WEL IX 03 20 17 54.1–.75 36.04S 177.46E 220–15 3.8L

¶11391709
WEL Event type ke. Error ellipse: s-maj=16.0km s-min=13.8km az=90.0.
ISC IX 04 03 51 12.3–1.1 37.51S–.07 177.86E–.08 85–8 48 0-5
ISCJB IX 04 03 51 11.5–1.1 37.51S–.07 177.87E–.08 90–8 ¶11391720
WEL IX 04 03 51 13.7–.34 37.44S 177.77E 65–3 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=9.8km az=30.4.
WEL Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=0.0.
ISC IX 04 14 44 35.3–2.0 36.7S–.10 178.2E–.20 127–12 32 1-6
WEL IX 04 14 44 36.0–.33 36.54S 178.12E 91–3 4.1L ¶11391725
ISC Event type ke.
WEL Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=90.0.
WEL IX 05 10 21 11.3–.82 36.40S 177.34E 12 3.8L

¶11391748
WEL Event type ke. Error ellipse: s-maj=7.9km s-min=4.7km az=0.0.
WEL IX 09 10 36 15.4–.46 37.25S 177.26E 155–3 3.6L

¶11391838
WEL Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=0.0.
WEL IX 10 10 52 50.6–.26 37.46S 177.19E 5 3.6L

¶11391856
WEL Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=0.0.
WEL IX 12 06 07 54.1–.28 36.48S 177.37E 307–3 3.5L

¶11391904
WEL Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=90.0.
WEL IX 13 12 03 51.5–.48 37.46S 177.83E 96–3 3.8L

¶11391936
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=0.0.
WEL IX 15 09 49 18.8–.63 35.43S 179.13E 219–9 3.7L

¶11391982
WEL Event type ke. Error ellipse: s-maj=14.4km s-min=10.1km az=90.0.
WEL IX 15 11 04 00.2–.71 36.08S 178.39E 133–8 3.5L

¶11391983
WEL Event type ke. Error ellipse: s-maj=10.3km s-min=8.5km az=90.0.
WEL IX 16 06 22 29.8–.14 37.06S 177.31E 164–1 3.8L

¶11392000
WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=0.0.
WEL IX 16 23 21 19.3–.70 37.08S 177.23E 163–4 3.5L

¶11392018
WEL Event type ke. Error ellipse: s-maj=7.9km s-min=6.0km az=0.0.
ISC IX 18 22 27 12.9–1.6 37.64S–.06 178.8E–.10 22–8 3.5b 32 0-145
WEL IX 18 22 27 14.5–.89 37.62S 178.72E 20–4 3.9L ¶11392064
NEIC IX 18 22 27 14.5 37.62S 178.72E 20 3.9L
IDC IX 18 22 27 18.3–4.4 38.41S 178.73E 70–26 3.8,3.6
ISC Event type ke.
WEL Event type ke. Error ellipse: s-maj=7.2km s-min=4.5km az=90.0.
NEIC Event type se. After WEL.
IDC Error ellipse: s-maj=40.9km s-min=29.5km az=87.0.
WEL IX 19 03 18 55.6–.90 35.73S 178.47E 298–13 3.5L

¶11392069
WEL Event type ke. Error ellipse: s-maj=25.2km s-min=19.6km az=90.0.
WEL IX 20 06 14 44.7–.34 37.91S 177.84E 67–4 3.5L

¶11392090
WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=90.0.
WEL IX 20 20 01 25.6–.38 37.67S 177.07E 158–2 3.6L

¶11392104
WEL Event type ke. Error ellipse: s-maj=2.9km s-min=2.9km az=90.0.
WEL IX 21 04 10 55.8–.56 36.91S 177.11E 174–5 3.8L

¶11392112
WEL Event type ke. Error ellipse: s-maj=6.3km s-min=5.3km az=90.0.
WEL IX 25 07 57 12.5–.68 36.77S 177.06E 234–5 3.8L

¶11392213
WEL Event type ke. Error ellipse: s-maj=5.2km s-min=4.9km az=90.0.
WEL IX 26 11 12 11.6–.26 37.36S 177.72E 54–3 4.0L

¶11392251
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.7km az=0.0. Felt in the Bay of Plenty region, maximum reported intensity MM 4.
WEL IX 26 16 55 08.2–.16 37.00S 177.11E 177–1 3.6L

¶11392263
WEL Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=90.0.
WEL IX 28 18 57 27.3–.87 35.77S 178.33E 171–12 3.6L

¶11392324
WEL Event type ke. Error ellipse: s-maj=23.3km s-min=13.3km az=90.0.
WEL X 01 03 34 39.8–.88 39.28S 178.78E 33 3.7L

¶11492210
WEL Event type ke. Error ellipse: s-maj=6.7km s-min=5.9km az=90.0.
WEL X 01 10 01 17.7–.42 37.00S 177.28E 182–4 3.8L

¶11492216
WEL Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=0.0.
WEL X 01 22 30 42.1–.44 36.06S 177.71E 186–15 3.5L

¶11492226
WEL Event type ke. Error ellipse: s-maj=15.1km s-min=13.6km az=90.0.
WEL X 03 13 07 34.0–.61 36.07S 178.44E 186–5 4.4L

¶11492274
WEL Event type ke. Error ellipse: s-maj=5.6km s-min=5.5km az=90.0.
WEL X 03 18 09 43.4–.33 37.42S 177.10E 123–2 3.7L

¶11492282
WEL Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=90.0.
WEL X 03 19 34 53.8–.52 36.78S 176.81E 282–5 3.7L

¶11492283
WEL Event type ke. Error ellipse: s-maj=9.0km s-min=6.1km az=90.0.
WEL X 04 02 59 32.2–.49 36.97S 177.26E 161–4 3.8L

¶11492287
WEL Event type ke. Error ellipse: s-maj=5.7km s-min=5.1km az=90.0.
WEL X 04 06 10 42.5–.27 38.91S 178.46E 33 3.5L

¶11492290
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=1.5km az=90.0.
WEL X 05 10 15 17.3–.12 37.90S 177.25E 64–1 3.7L

¶11492312
WEL Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=0.0.
WEL X 05 22 21 40.7–.41 36.79S 177.46E 157–3 3.6L

¶11492323
WEL Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=90.0.
WEL X 06 09 44 09.2–.40 35.79S 178.52E 33 3.6L

¶11492334
WEL Event type ke. Error ellipse: s-maj=6.4km s-min=2.7km az=90.0.
WEL X 09 04 01 38.6–.42 36.95S 176.84E 235–4 3.7L

¶11492395
WEL Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=90.0.
WEL X 10 00 06 15.9–.25 38.96S 178.47E 47–2 3.8L

¶11492421
WEL Event type ke. Error ellipse: s-maj=3.3km s-min=1.4km az=90.0.
WEL X 15 19 01 47.1–.66 36.80S 176.64E 294–5 3.7L

¶11492546
WEL Event type ke. Error ellipse: s-maj=9.5km s-min=8.0km az=90.0.
WEL X 16 02 55 08.7–.13 37.36S 178.37E 42–0 3.5L

¶11492553
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=90.0.
WEL X 17 06 09 17.4–.70 36.72S 176.92E 270–6 3.8L

¶11492581
WEL Event type ke. Error ellipse: s-maj=7.4km s-min=6.1km az=90.0.
WEL X 21 02 42 04.3–1.1 35.73S 178.47E 205–9 3.6L

¶11492671
WEL Event type ke. Error ellipse: s-maj=17.6km s-min=13.8km az=90.0.
WEL X 21 09 29 11.0–.21 37.50S 177.08E 129–2 3.9L

¶11492685
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=90.0.
WEL X 22 12 47 19.2–.47 36.85S 177.48E 150–5 3.5L

¶11492713
WEL Event type ke. Error ellipse: s-maj=6.6km s-min=5.7km az=90.0.
WEL X 22 21 35 48.5–.80 35.84S 178.88E 144–21 3.6L

¶11492719
WEL Event type ke. Error ellipse: s-maj=14.8km s-min=9.0km az=0.0.
ISC X 23 13 12 53.4–1.3 37.59S–.08 177.8E–.10 143–6 3.5b 92 0-150
WEL X 23 13 12 53.7–.32 37.28S 177.80E 99–2 4.2L ¶11492740
IDC X 23 13 12 54.9–1.8 37.92S 177.86E 129–6 3.6,3.3b
ISC Event type ke.
WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=0.0.
IDC Error ellipse: s-maj=45.6km s-min=25.8km az=129.0.
WEL X 23 15 44 26.9–.56 35.95S 178.13E 207–5 3.7L

¶11492746
WEL Event type ke. Error ellipse: s-maj=11.4km s-min=7.2km az=90.0.
WEL X 24 17 22 41.4–.70 36.84S 177.65E 196–4 3.7L

¶11492774
WEL Event type ke. Error ellipse: s-maj=12.0km s-min=8.4km az=90.0.
WEL X 27 07 40 52.4–.37 37.50S 177.13E 5 3.8L

¶11492835
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=0.0.
WEL X 27 07 55 00.5–.50 37.39S 177.16E 5 3.8L

¶11492839
WEL Event type ke. Error ellipse: s-maj=4.5km s-min=2.7km az=90.0.
WEL X 27 08 33 20.1–.36 37.43S 177.15E 5 4.0L

¶11451550
WEL Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=90.0.
WEL X 27 08 47 06.7–.40 37.47S 177.13E 5 3.8L

¶11492845
WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=0.0.
WEL X 27 08 49 43.4–.74 37.48S 177.19E 5 3.7L

¶11492846
WEL Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=90.0.
WEL X 27 08 56 40.4–.42 37.49S 177.14E 5 3.5L

¶11492848
WEL Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=0.0.
WEL X 27 09 05 44.4–.72 37.43S 177.17E 5 3.8L

¶11492850
WEL Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=90.0.
WEL X 27 09 09 15.3–.53 37.41S 177.17E 5 3.7L

¶11492851
WEL Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=90.0.
WEL X 27 09 14 15.6–.38 37.44S 177.09E 5 3.7L

¶11492852
WEL Event type ke. Error ellipse: s-maj=2.8km s-min=2.8km az=90.0. one of a series.
WEL X 27 09 16 57.4–.27 37.50S 177.15E 5 3.8L

¶11492853
WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=0.0.
WEL X 27 09 33 25.4–.27 37.50S 177.14E 5 4.1L

¶11451551
WEL Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=0.0.
WEL X 27 10 41 00.0–.42 37.42S 177.14E 5 3.6L

¶11492864
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=90.0.
ISC X 27 15 13 13.4–1.0 37.50S–.06 177.18E–.08 11–5 3.9s,3.5b 15 0-155
ISCJB X 27 15 13 13.2–2.2 37.55S–.06 177.2E–.10 12–9 3.9s,3.5b ¶11451553
WEL X 27 15 13 13.8–.17 37.51S 177.13E 5 3.9L,3.5b
IDC X 27 15 13 13.2–2.3 37.70S 177.13E 0 3.9,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.9km s-min=7.8km az=152.1.
WEL Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=0.0.
IDC Error ellipse: s-maj=48.4km s-min=17.4km az=68.0.
ISC X 27 19 18 12.9–.56 37.62S–.05 177.09E–.06 147–4 3.8b 55 0-155
IDC X 27 19 18 09.8–2.0 37.30S 177.37E 132–14 3.7,3.5b ¶11492895
NEIC X 27 19 18 11.0–1.0 37.46S 177.44E 150–6 4.1b,3.5b
ISCJB X 27 19 18 12.0–.57 37.61S–.05 177.09E–.07 150–4 3.8b,3.5b
WEL X 27 19 18 13.8–.22 37.55S 177.12E 135–2 4.3L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=45.3km s-min=21.5km az=37.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=12.3km az=220.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.7km az=146.9.
WEL Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=0.0.
WEL X 30 00 39 53.1–.58 36.83S 177.08E 197–4 3.9L

¶11492940
WEL Event type ke. Error ellipse: s-maj=6.1km s-min=5.6km az=90.0.
WEL X 30 11 04 46.5–.30 37.28S 177.46E 135–2 3.8L

¶11492947
WEL Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=0.0.
WEL XI 03 05 27 51.4–.19 36.97S 177.63E 33 3.6L

¶11521610
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=0.0.
WEL XI 05 02 11 03.3–.31 38.92S 178.50E 31–1 4.0L

¶11521643
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=1.2km az=90.0.
WEL XI 05 04 28 44.8–.30 36.80S 177.48E 221–2 3.5L

¶11521644
WEL Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=90.0.
WEL XI 05 12 50 23.9–.48 35.95S 178.20E 224–9 3.8L

¶11521649
WEL Event type ke. Error ellipse: s-maj=10.2km s-min=8.5km az=90.0.
WEL XI 06 10 22 44.0–.31 36.91S 177.53E 12 3.7L

¶11521670
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=0.0.
WEL XI 07 14 33 37.9–.20 36.99S 177.33E 162–2 3.5L

¶11521701
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=90.0.
WEL XI 07 16 01 12.7–.19 36.99S 177.21E 166–2 3.5L

¶11521705
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=90.0.
WEL XI 08 23 13 35.2–.30 37.62S 178.05E 65–2 3.8L

¶11521731
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.8km az=90.0.
ISC XI 11 18 46 48.4–1.8 37.67S–.05 179.48E–.07 13–12 4.0b 89 1-153
ISCJB XI 11 18 46 48.5–1.4 37.62S–.06 179.50E–.07 27–8 4.0b ¶11521796
IDC XI 11 18 46 49.3–1.2 37.22S 179.04E 0 4.1,3.9

WEL XI 11 18 46 50.4–.40 37.53S 179.35E 12 4.2L,3.9
NEIC XI 11 18 46 54.8–3.2 37.91S 179.00E 43–22 4.1b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=8.7km az=141.2.
IDC Error ellipse: s-maj=31.0km s-min=26.0km az=165.0.
WEL Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=90.0.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=15.9km az=72.0.
WEL XI 12 05 39 35.7–.32 37.39S 179.29E 33 3.5L
¶11521812

WEL Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=90.0.
WEL XI 13 01 53 07.9–.91 35.65S 178.53E 33 4.1L
¶11521825

WEL Event type ke. Error ellipse: s-maj=15.3km s-min=7.5km az=90.0.
WEL XI 13 04 36 52.4–.57 37.36S 179.94E 33 4.1L
¶11521826

WEL Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=90.0.
ISC XI 16 13 53 34.6–1.4 37.64S–.07 179.44E–.08 24–9 3.4b 50 1-145
IDC XI 16 13 53 34.5–4.1 36.88S 178.63E 0 3.7,3.6 **¶11521917**
WEL XI 16 13 53 35.7–.40 37.55S 179.34E 12 3.8L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=80.7km s-min=32.4km az=110.0.
WEL Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=90.0.
WEL XI 18 11 19 54.4–.38 36.48S 177.01E 251–3 3.5L
¶11521969

WEL Event type ke. Error ellipse: s-maj=5.1km s-min=5.0km az=90.0.
WEL XI 18 23 56 24.0–.20 37.36S 177.16E 133–2 3.6L
¶11521979

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=90.0.
WEL XI 21 14 02 29.9–.31 36.85S 177.61E 165–3 3.8L
¶11522028

WEL Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=0.0.
WEL XI 22 00 22 32.8–.80 36.44S 178.79E 33 3.8L
¶11522037

WEL Event type ke. Error ellipse: s-maj=11.2km s-min=5.3km az=90.0.
ISC XI 23 20 40 50.2–.81 38.88S–.04 178.22E–.09 36–9 3.7b 33 0-146
IDC XI 23 20 40 48.3–3.5 37.67S 177.98E 0 4.1,3.8b **¶11522068**
ISCJB XI 23 20 40 49.6–.81 38.89S–.04 178.22E–.09 44–6 3.7b,3.8b
WEL XI 23 20 40 51.1–.25 38.85S 178.17E 32–1 3.9L,3.8b
ISC Event type fe.
IDC Error ellipse: s-maj=73.9km s-min=25.8km az=121.0.
ISCJB Event type fe. Error ellipse: s-maj=12.2km s-min=5.5km az=14.7.
WEL Event type fe. Error ellipse: s-maj=3.2km s-min=1.2km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.
WEL XI 24 04 23 40.2–.24 39.38S 177.79E 60–2 4.1L
¶11522077

WEL Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=90.0.
WEL XI 24 09 53 47.3–.48 36.48S 177.68E 212–6 3.9L
¶11522081

WEL Event type ke. Error ellipse: s-maj=10.5km s-min=6.5km az=90.0.
WEL XI 25 08 07 00.8–.30 36.54S 176.99E 33 3.7L
¶11522104

WEL Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=0.0.
WEL XI 25 22 47 21.5–.30 36.31S 179.88E 33 3.5L
¶11522125

WEL Event type ke. Error ellipse: s-maj=4.3km s-min=4.1km az=90.0.
WEL XI 26 19 33 50.9–.46 37.00S 176.52E 318–3 3.9L
¶11522162

WEL Event type ke. Error ellipse: s-maj=5.8km s-min=5.4km az=90.0.
WEL XI 30 06 48 29.5–.76 36.67S 177.65E 133–13 3.5L
¶11521182

WEL Event type ke. Error ellipse: s-maj=11.3km s-min=10.7km az=90.0.
WEL XI 30 15 35 17.8–.29 36.68S 177.16E 33 4.2L
¶11521196

WEL Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=0.0. Felt in the Coromandel region, maximum reported intensity MM 4.
WEL XI 30 16 02 07.2–.37 36.70S 177.13E 33 4.3L
¶11521197

WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=0.0.
WEL XI 30 19 37 30.6–.51 36.55S 177.16E 33 3.6L
¶11521199

WEL Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=0.0.
WEL XI 30 20 33 56.2–.34 37.40S 177.26E 113–2 3.8L
¶11521201

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=0.0.
WEL XI 30 21 08 39.2–.38 36.57S 177.12E 12 3.8L
¶11521203

WEL Event type ke. Error ellipse: s-maj=3.7km s-min=1.8km az=0.0.
WEL XII 01 01 00 21.0–.32 36.59S 177.18E 33 4.4L
¶11656571

WEL Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=0.0.
ISC XII 01 07 44 12.0–1.1 36.67S–.08 178.6E–.10 168–6 4.2b 85 1-150
IDC XII 01 07 43 51.5–2.0 35.14S 179.29E 0 4.9L,4.6 **¶11656577**
WEL XII 01 07 44 05.0–.72 35.80S 179.01E 33 4.7L,4.6
NEIC XII 01 07 44 05.0 35.80S 179.01E 33 4.7L,4.6
ISCJB XII 01 07 44 10.9–1.1 36.66S–.08 178.6E–.10 173–5 4.2b,4.6
ISC Event type ke.
WEL Event type ke.
NEIC Event type se. After WEL.
ISCJB Event type ke.
WEL XII 02 10 26 05.4–.54 36.70S 177.36E 193–5 3.7L
NEIC XII 02 10 26 05.9 36.72S 177.38E 189 3.7 **¶11656609**
WEL Event type ke. Error ellipse: s-maj=6.3km s-min=6.1km az=0.0.
NEIC Event type se. After WEL.
WEL XII 03 16 58 54.1–.42 38.88S 178.07E 26–3 4.2L
¶11656638

WEL Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=90.0.
WEL XII 05 21 31 23.1–.21 37.17S 177.52E 127–1 3.8L
NEIC XII 05 21 31 22.7 37.14S 177.53E 130 3.8 **¶11656691**
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=0.0.
NEIC Event type se. After WEL.
WEL XII 08 03 11 41.5–.25 37.70S 179.70E 12 3.9L
NEIC XII 08 03 11 50.3 37.75S 178.89E 58 3.7L **¶11656758**
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=90.0.
NEIC Event type se. After WEL.
WEL XII 08 08 39 37.2–.12 39.06S 177.33E 33–4 3.6L
NEIC XII 08 08 39 35.8 39.04S 177.45E 70 3.6L **¶11656766**
WEL Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=90.0.
NEIC Event type se. After WEL.
WEL XII 08 11 25 15.4–.76 36.75S 177.45E 161–5 3.7L
NEIC XII 08 11 25 15.5 36.77S 177.49E 164 3.7 **¶11656771**
WEL Event type ke. Error ellipse: s-maj=6.9km s-min=5.7km az=0.0.
NEIC Event type se. After WEL.
WEL XII 11 07 50 50.4–.79 35.78S 178.24E 214–9 3.5L
¶11656840

WEL Event type ke. Error ellipse: s-maj=15.2km s-min=10.4km az=90.0.
WEL XII 11 23 17 09.1–.35 37.93S 178.34E 12 3.8L
NEIC XII 11 23 17 09.1 37.93S 178.34E 12 3.8L **¶11656852**
WEL Event type ke. Error ellipse: s-maj=6.7km s-min=1.8km az=90.0.
NEIC Event type se. After WEL.
WEL XII 12 02 54 25.8–.38 37.94S 179.09E 61–6 3.5L
¶11656856

WEL Event type ke. Error ellipse: s-maj=5.5km s-min=1.9km az=90.0.
ISC XII 12 06 45 18.1–1.4 39.12S–.04 178.76E–.09 29–8 4.2b 94 1-154
ISCJB XII 12 06 45 16.8–1.0 39.16S–.04 178.84E–.10 38–9 4.2b **¶11656858**
IDC XII 12 06 45 18.0–1.1 38.99S 178.27E 0 4.4,4.2b
WEL XII 12 06 45 21.0–.28 38.90S 178.53E 30–1 4.2L,4.2b
NEIC XII 12 06 45 21.0 38.90S 178.53E 30 4.2L,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=6.1km az=1.0.
IDC Error ellipse: s-maj=37.6km s-min=21.3km az=39.0.

WEL Event type fe. Error ellipse: s-maj=2.5km s-min=1.1km az=90.0. Felt in the Gisborne region, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Gisborne and Mangapapa. After WEL.
WEL XII 12 10 29 20.7–.29 38.93S 178.54E 31–2 3.5L
NEIC XII 12 10 29 20.8 38.88S 178.52E 27 3.5L **¶11656866**
WEL Event type ke. Error ellipse: s-maj=2.6km s-min=1.3km az=90.0.
NEIC Event type se. After WEL.
WEL XII 12 17 39 04.2–.18 38.88S 178.15E 27–1 3.5L
NEIC XII 12 17 39 04.1 38.88S 178.17E 28 3.5L **¶11656872**
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=90.0.
NEIC Event type se. After WEL.
WEL XII 12 19 22 31.7–.30 36.78S 177.29E 181–3 3.5L
¶11656875

WEL Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=90.0.
ISC XII 16 03 05 37.8–1.3 36.82S–.08 179.82E–.10 48–16 3.4b 45 1-156
IDC XII 16 03 05 33.7–1.9 36.54S 179.58E 0 3.9,3.8L **¶11656949**
ISCJB XII 16 03 05 37.3–1.3 36.89S–.08 179.8E–.10 65–13 3.5b,3.8L
WEL XII 16 03 05 37.3–.39 36.68S 179.85E 33 3.9L,3.8L
NEIC XII 16 03 05 37.3 36.68S 179.84E 33 3.9L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=44.6km s-min=34.1km az=134.0.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=12.5km az=39.3.
WEL Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=90.0.
NEIC Event type se. After WEL.
ISC XII 17 20 33 58.7–.31 37.17S–.04 177.72E–.04 135–2 5.2b 331 1-164
BJI XII 17 20 33 57.7 37.41S 177.84E 114 5.4b,5.2b **¶12077965**
NEIC XII 17 20 33 57.6 36.91S 177.73E 126 5.4b,5.2b
ISCJB XII 17 20 33 57.7–.32 37.17S–.04 177.72E–.04 142–2 5.2b,5.2b
WEL XII 17 20 33 57.3–.37 36.90S 177.76E 127–3 5.8L,5.2b
GCMT XII 17 20 33 58.8–.20 36.87S 177.85E 130–1 5.2W,5.2b
IDC XII 17 20 33 58.1–1.1 37.01S 177.84E 135–9 4.8,4.7
MOS XII 17 20 34 00.9–1.4 36.65S 177.71E 159 5.0b,4.7
DJA XII 17 20 34 14 36.84S 177.38E 257 5.4b,4.7
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Whakatane. Felt in the Bay of Plenty and Gisborne areas. After WEL.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.6km az=177.2.
WEL Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=0.0. Felt between Bay of Plenty, Wellington and Gisborne, maximum reported. intensity MM 4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s56,c81; s86,c139; Moment tensor: Scale 10^{16}Nm; M_{rr}0.89±.18 $M_{\theta\theta}$-6.10±.19; $M_{\phi\phi}$5.21±.19; $M_{r\theta}$-1.77±.15; $M_{\theta\phi}$4.17±.19; $M_{\phi r}$4.32±.13; Best double couple: NP1:ϕ_s65.00000°,δ56.00000°,λ6.00000°. NP2:ϕ_s331.00000°,δ85.00000°,λ146.00000°. Principal axes: T 8.4000,Plg27.0000°,Azm283.0000°; N 0.1400,Plg56.0000°,Azm144.0000°; P -8.5400,Plg19.0000°,Azm23.0000° $M_0$8.50000×10^{16}
IDC Error ellipse: s-maj=17.2km s-min=12.8km az=13.0.
MOS Error ellipse: s-maj=17.2km s-min=12.3km az=130.8.
WEL XII 19 20 50 59.6–.66 36.36S 178.09E 194–4 4.0L
NEIC XII 19 20 50 59.5 36.29S 177.78E 185 4.2b **¶11657032**
WEL Event type ke. Error ellipse: s-maj=6.9km s-min=6.2km az=90.0.
NEIC Event type se. After WEL.
WEL XII 20 11 52 06.1–.70 36.99S 177.32E 178–8 3.6L
¶11657047

WEL Event type ke. Error ellipse: s-maj=9.4km s-min=9.1km az=90.0.
WEL XII 21 03 36 09.9–.28 36.72S 179.24E 12 3.2L
¶11657070

WEL Event type ke. Error ellipse: s-maj=2.9km s-min=1.4km az=90.0.
WEL XII 24 21 33 05.5–1.1 36.37S 177.56E 33 3.5L
¶11657155

WEL Event type ke. Error ellipse: s-maj=7.9km s-min=6.6km az=0.0.
WEL XII 28 01 25 22.4–.59 36.96S 176.55E 284–4 4.1L
NEIC XII 28 01 25 22.4 37.03S 176.62E 291 4.1 **¶11657246**
WEL Event type ke. Error ellipse: s-maj=5.8km s-min=4.9km az=0.0.
NEIC Event type se. After WEL.
WEL XII 28 20 31 13.1–.24 37.52S 177.34E 128–1 3.7L
NEIC XII 28 20 31 12.7 37.50S 177.33E 131 3.8 **¶11657265**
WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=0.0.
NEIC Event type se. After WEL.
ISC XII 29 01 05 15.3–1.5 36.5S–.10 178.6E–.20 233–8 3.5b 103 1-150
IDC XII 29 01 04 51.3–5.4 34.36S 178.96E 0 4.1,3.9b **¶11656023**
WEL XII 29 01 05 11.1–.69 35.88S 178.64E 197–10 4.5L,3.9b
NEIC XII 29 01 05 11.5 35.86S 178.66E 181 4.5,3.9b
ISCJB XII 29 01 05 14.4–1.5 36.5S–.10 178.6E–.20 238–8 3.5b,3.9b
ISC Event type ke.
WEL Event type ke.
NEIC Event type se. After WEL.
ISCJB Event type ke.
WEL XII 31 17 12 22.4–.29 35.97S 178.21E 198–3 3.7L
NEIC XII 31 17 12 22.1 35.99S 178.28E 204 3.7 **¶11656090**
WEL Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=90.0.
NEIC Event type se. After WEL.

(161) Off west coast of South Island.

WEL VII 03 05 06 16.6–.40 45.18S 166.85E 12 4.2L
NEIC VII 03 05 06 16.4 45.16S 166.84E 23 4.2L **¶11207205**
WEL Event type ke. Error ellipse: s-maj=4.0km s-min=2.0km az=90.0.
NEIC Event type se. After WEL.
WEL VII 06 19 36 52.3–.91 47.91S 165.53E 12 4.2L
¶11207285

WEL Event type ke. Error ellipse: s-maj=9.4km s-min=6.3km az=90.0.
WEL VII 09 10 03 08.7–.35 45.68S 166.74E 12 3.9L
NEIC VII 09 10 03 08.4 45.65S 166.72E 12 3.9L **¶11207339**
WEL Event type fe. Error ellipse: s-maj=4.0km s-min=1.8km az=90.0. Felt in the Otago region, maximum reported intensity MM 3.
NEIC Event type se. After WEL.
WEL VII 09 10 26 55.9–.31 45.69S 166.77E 12 3.5L
¶11207340

WEL Event type ke. Error ellipse: s-maj=3.4km s-min=1.7km az=90.0.
WEL IX 11 04 27 38.9–.21 45.20S 166.72E 12 3.5L
¶11391872

WEL Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=90.0.
WEL IX 30 07 07 00.3–.72 47.59S 165.82E 12 3.5L
¶11392354

WEL Event type ke. Error ellipse: s-maj=7.2km s-min=5.7km az=90.0.
WEL X 09 11 47 26.3–.69 44.52S 166.99E 12 3.9L
¶11492405

WEL Event type ke. Error ellipse: s-maj=6.6km s-min=2.8km az=90.0.
WEL X 21 02 25 01.8–.97 46.11S 165.97E 12 4.1L
¶11492670

WEL Event type ke. Error ellipse: s-maj=9.2km s-min=4.6km az=90.0.
WEL X 21 02 59 31.3–1.0 46.09S 165.77E 12 3.7L
¶11492673

WEL Event type ke. Error ellipse: s-maj=9.8km s-min=5.4km az=90.0.
WEL X 21 03 05 15.4–.54 46.20S 165.91E 12 4.1L
¶11492674

WEL Event type ke. Error ellipse: s-maj=5.6km s-min=2.6km az=90.0.
WEL X 21 03 35 50.5–.99 46.08S 165.99E 12 3.8L
¶11492676

WEL Event type ke. Error ellipse: s-maj=8.9km s-min=4.7km az=90.0.
WEL X 21 09 33 26.3–.37 45.12S 166.86E 27–2 4.1L
¶11492686

WEL Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=90.0. Felt in the Fiordland region, maximum reported intensity MM 4.
ISC X 24 19 56 12.0–1.1 45.16S–.04 166.91E–.07 10–7 3.8b 38 0-152
NEIC X 24 19 56 10.9 45.11S 166.80E 12 4.4b,4.3L **¶11492779**
WEL X 24 19 56 10.9–.34 45.11S 166.80E 12 4.3L,4.3L
IDC X 24 19 56 10.8–1.2 45.13S 166.87E 0 4.3L,3.9
ISC Event type ke.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=3.3km s-min=1.7km az=90.0.
IDC Error ellipse: s-maj=54.8km s-min=27.5km az=170.0.

WEL XI 03 04 31 25.5–.39 44.96S 166.94E 12 4.5L
¶11521608
WEL Event type fe. Error ellipse: s-maj=4.1km s-min=2.1km az=90.0. Felt in the Fiordland region, maximum reported intensity MM 4.
WEL XI 06 19 37 55.1–.91 46.08S 165.93E 12 4.1L
¶11521678
WEL Event type ke. Error ellipse: s-maj=8.2km s-min=5.1km az=90.0.
WEL XI 07 05 38 57.2–.69 46.13S 165.83E 12 3.5L
¶11521690
WEL Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=90.0.
ISC XI 16 19 25 49.3–.36 40.85S–.04 172.79E–.06 217–4 3.1b 104 0-151
IDC XI 16 19 25 18.3–7.2 40.40S 174.54E 0 3.7,3.5 **¶11521922**
ISCJB XI 16 19 25 48.5–.35 40.86S–.04 172.78E–.06 221–4 3.1b,3.5
WEL XI 16 19 25 50.8–.24 40.84S 172.83E 211–1 4.8L,3.5
ISC Event type fe.
IDC Error ellipse: s-maj=439.9km s-min=45.5km az=32.0.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.6km az=42.4.
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=1.7km az=90.0. Felt in the Wellington region, maximum reported intensity MM 4.
WEL XII 01 11 03 31.9–.25 43.99S 168.99E 11–2 3.5L
¶11656582
WEL Event type fe. Error ellipse: s-maj=3.2km s-min=2.4km az=90.0. Felt in the West Coast region, maximum reported intensity MM 4.
ISC XII 23 10 26 07.3–2.1 47.3S–.10 165.35E–.07 9–15 3.7b 40 1-151
ISCJB XII 23 10 26 05.3–1.9 47.3S–.10 165.27E–.07 4–14 3.7b **¶11657117**
IDC XII 23 10 26 05.6–1.6 47.22S 165.45E 0 4.2L,4.1
WEL XII 23 10 26 08.0–.97 47.26S 165.15E 12 4.5L,4.1
NEIC XII 23 10 26 08.0 47.26S 165.15E 12 4.5L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.7km s-min=7.5km az=167.8.
IDC Error ellipse: s-maj=48.0km s-min=23.8km az=171.0.
WEL Event type ke. Error ellipse: s-maj=10.2km s-min=6.2km az=90.0.
NEIC Event type se. After WEL.
WEL XII 23 15 36 23.9–.70 47.30S 165.06E 33 3.8L
NEIC XII 23 15 36 22.9 47.52S 165.08E 36 3.9L **¶11657124**
WEL Event type ke. Error ellipse: s-maj=7.7km s-min=4.3km az=90.0.
NEIC Event type se. After WEL.
WEL XII 23 20 12 09.4–.75 47.38S 165.03E 33 4.1L
¶11657125
WEL Event type ke. Error ellipse: s-maj=8.8km s-min=4.9km az=90.0.
WEL XII 23 20 17 52.5–.68 47.31S 164.99E 33 3.7L
NEIC XII 23 20 17 50.4 47.31S 164.91E 12 3.8L **¶11657126**
WEL Event type ke. Error ellipse: s-maj=7.1km s-min=4.5km az=90.0.
NEIC Event type se. After WEL.
WEL XII 25 14 33 53.0–.39 45.30S 166.78E 12 4.3L
NEIC XII 25 14 33 54.1 45.37S 166.82E 12 4.3L **¶13837260**
WEL Event type fe. Error ellipse: s-maj=4.0km s-min=2.1km az=90.0. Felt from Otago to Southland, maximum reported intensity MM 4.
NEIC Event type se. After WEL.

(162) South Island.

WEL VII 06 23 58 29.6–.09 43.11S 170.93E 5 3.9L
NEIC VII 06 23 58 29.7 43.11S 170.93E 6 3.9L **¶11207292**
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0. Felt from West Coast to Canterbury, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL VII 11 03 26 42.5–.12 42.59S 173.90E 5 3.7L
NEIC VII 11 03 26 42.4 42.61S 173.91E 5 3.8L **¶11207376**
WEL Event type fe. Error ellipse: s-maj=1.2km s-min=1.0km az=90.0. Felt from Nelson to Canterbury, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL VII 11 23 04 50.6–.21 45.38S 167.07E 68–1 3.7L
¶11207394
WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.5km az=90.0. Felt in the Otago region, maximum reported intensity MM 4.
ISC VII 12 00 08 57.1–.33 45.72S–.05 167.22E–.05 112–3 5.0b 122 0-172
ISCJB VII 12 00 08 56.2–.33 45.70S–.05 167.24E–.05 118–3 5.0b **¶11133613**
NEIC VII 12 00 08 56.6 45.82S 166.79E 101 4.9b
WEL VII 12 00 08 56.8–.29 45.79S 166.80E 103–1 6.0L
IDC VII 12 00 08 57.0–2.1 45.65S 167.07E 109–18 4.8,4.6
BJI VII 12 00 08 58.1 45.32S 167.18E 118 5.5b,5.2b
GCMT VII 12 00 09 01.8–.30 45.56S 166.72E 112–3 5.1W,5.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=4.6km az=148.3.
NEIC Event type fe. Felt in the Fiordland-Otago-Southland area. After WEL.
WEL Event type fe. Error ellipse: s-maj=3.2km s-min=1.5km az=90.0. Felt from West Coast to Southland, and from Fiordland to Otago, maximum. reported intensity MM 5.
IDC Error ellipse: s-maj=22.5km s-min=16.1km az=180.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s32,c38; s64,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.20 $M_{\theta\theta}$3.77±.18; $M_{\phi\phi}$-3.10±.19; $M_{r\theta}$0.95±.15; $M_{\theta\phi}$-3.62±.18; $M_{\phi r}$-3.04±.15; Best double couple: NP1:ϕ_s70.00000°,δ57.00000°,λ-174.00000°. NP2:ϕ_s336.00000°,δ85.00000°,λ-33.00000°. Principal axes: T 6.0200,Plg19.0000° ,Azm28.0000°; N -0.1600,Plg57.0000°,Azm148.0000°; P -5.8700,Plg27.0000° ,Azm288.0000° $M_0$6.00000×10^{16}
WEL VII 12 17 20 33.7–.09 42.72S 172.83E 12 4.0L
NEIC VII 12 17 20 33.7 42.74S 172.82E 13 4.1L **¶11207417**
WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0. Felt reported, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL VII 12 17 21 56.7–.14 42.64S 173.96E 5 3.5L
¶11207418
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=90.0.
WEL VII 12 20 28 49.8–.20 45.02S 167.46E 127–1 3.5L
¶11207425
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.1km az=90.0.
WEL VII 20 02 18 33.7–.23 45.14S 167.37E 123–2 3.5L
¶11207620
WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.3km az=90.0.
WEL VII 30 20 05 27.0–.22 41.22S 173.86E 63–3 3.7L
NEIC VII 30 20 05 27.1 41.22S 173.86E 63 3.7L **¶11207867**
WEL Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=0.0. Felt in the Marlborough region, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL VIII 01 15 40 16.2–.35 44.81S 167.33E 5 3.9L
NEIC VIII 01 15 40 16.2 44.80S 167.33E 5 3.9L **¶11325600**
WEL Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=90.0.
NEIC Event type se. After WEL.
ISC VIII 04 16 07 44.8–1.4 44.62S–.04 167.06E–.08 6–7 32 1-9
ISCJB VIII 04 16 07 44.4–1.6 44.60S–.04 167.05E–.09 6–10 **¶11325667**
NEIC VIII 04 16 07 44.7 44.58S 167.03E 5 3.7L
WEL VIII 04 16 07 45.3–.59 44.63S 167.10E 5 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.3km az=22.7.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=90.0.
WEL VIII 06 12 38 15.9–.09 43.00S 171.45E 5 3.5L
¶11325715
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=0.0. Felt in the West Coast region.
WEL VIII 08 17 43 30.2–.28 45.00S 167.52E 80–2 4.4L
NEIC VIII 08 17 43 29.6 45.00S 167.47E 86 4.5L **¶11325770**
WEL Event type fe. Error ellipse: s-maj=2.3km s-min=1.3km az=90.0. Felt from Canterbury to Southland, maximum reported intensity MM 5.
NEIC Event type se. After WEL.
WEL VIII 12 02 27 29.0–.20 45.07S 167.47E 81–1 3.8L
NEIC VIII 12 02 27 29.0 45.07S 167.45E 80 3.8L **¶11325861**
WEL Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=90.0.
NEIC Event type se. After WEL.
WEL VIII 12 12 31 34.3–.22 41.19S 172.38E 293–1 3.5L
¶11325874
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=90.0.
WEL VIII 15 13 40 41.0–.31 45.08S 167.35E 110–2 4.1L
NEIC VIII 15 13 40 40.7 45.06S 167.30E 111 4.1 **¶11325946**
WEL Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=90.0.
NEIC Event type se. After WEL.
WEL VIII 18 16 18 14.6–.10 44.25S 169.62E 5 3.5L
¶11326011
WEL Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=90.0.
ISC VIII 21 15 20 30.3–.35 41.19S–.04 172.46E–.06 219–5 3.7b 160 1-151
IDC VIII 21 15 20 28.9–.80 41.32S 172.84E 217–10 3.7,3.6 **¶11326067**
ISCJB VIII 21 15 20 29.5–.34 41.19S–.04 172.45E–.06 223–5 3.7b,3.6
NEIC VIII 21 15 20 30.4 41.21S 172.51E 214 4.4,3.6
WEL VIII 21 15 20 31.9–.25 41.20S 172.52E 214–1 4.4L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=9.9km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=3.6km az=41.1.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=0.0.
WEL VIII 24 03 02 48.3–.44 41.20S 172.90E 157–4 3.7L
¶11326133
WEL Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=0.0.
WEL VIII 30 11 30 38.3–.41 44.24S 167.69E 12 4.7L
NEIC VIII 30 11 30 38.6 44.26S 167.76E 12 4.6L **¶11326302**
WEL Event type fe. Error ellipse: s-maj=3.5km s-min=1.8km az=90.0. Felt from West Coast to Southland, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL VIII 31 10 50 22.2–.26 41.22S 172.76E 148–1 3.8L
NEIC VIII 31 10 50 21.8 41.23S 172.78E 154 3.8 **¶11322422**
WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=90.0.
NEIC Event type se. After WEL.
WEL IX 02 23 27 53.5–.33 41.40S 172.84E 109–3 3.7L
¶11391684
WEL Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=90.0.
ISC IX 03 21 13 22.3–.25 41.57S–.03 173.59E–.04 71–4 3.7b 102 0-152
IDC IX 03 21 13 20.2–2.4 41.46S 173.46E 53–20 3.9L,3.7 **¶11391710**
ISCJB IX 03 21 13 21.1–.24 41.58S–.03 173.59E–.04 80–4 3.7b,3.7
WEL IX 03 21 13 22.7–.14 41.48S 173.52E 62–1 4.5L,3.7
NEIC IX 03 21 13 22.4 41.48S 173.52E 64 4.5L,3.9b
ISC Event type fe.
IDC Error ellipse: s-maj=30.2km s-min=16.6km az=125.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=3.1km az=38.7.
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=1.1km az=0.0. Felt from Wellington to West Coast, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Blenheim, Nelson and Picton. Felt in the northern part of the South Island and the southern part of the North Island. After WEL.
ISC IX 05 02 35 37.2–.80 42.40S–.03 172.74E–.05 11–6 4.0b 72 1-158
ISCJB IX 05 02 35 37.1–.57 42.41S–.03 172.78E–.04 17–6 4.0b **¶11391738**
WEL IX 05 02 35 37.6–.09 42.38S 172.72E 12 5.0L
IDC IX 05 02 35 37.3–1.1 42.36S 172.41E 0 4.2,4.0b
NEIC IX 05 02 35 37.6 42.38S 172.72E 12 3.9b,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=3.4km az=44.8.
WEL Event type fe. Error ellipse: s-maj=1.2km s-min=0.8km az=90.0. Felt from Manawatu to Canterbury, maximum reported intensity MM 5.
IDC Error ellipse: s-maj=31.3km s-min=21.5km az=95.0.
NEIC Event type fe. Felt [IV] at Christchurch, Hanmer Springs and Nelson; [III] at Wellington. After WEL.
WEL IX 09 22 03 55.1–.18 42.09S 173.00E 82–2 3.9L
¶11391846
WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.1km az=90.0.
WEL IX 11 11 46 04.0–.21 44.49S 168.29E 12 4.3L
¶11391884
WEL Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=90.0. Felt from Otago to Fiordland, maximum reported intensity MM 4.
WEL IX 12 08 19 23.2–.19 44.99S 167.47E 54–2 3.5L
¶11391906
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=90.0.
WEL IX 13 13 40 19.3–.24 45.01S 167.56E 70–2 4.5L
¶11391941
WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=90.0. Felt from Otago to Southland, maximum reported intensity MM 4.
WEL IX 15 17 09 39.4–.47 41.21S 172.61E 206–3 3.6L
¶11391989
WEL Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=90.0.
WEL IX 18 09 04 39.4–.15 45.27S 167.18E 50–1 3.5L
¶11392050
WEL Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=90.0.
WEL IX 18 21 42 54.6–.23 41.83S 172.63E 84–2 3.6L
¶11392063
WEL Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=90.0.
WEL IX 24 02 39 13.8–.16 45.03S 170.38E 5 3.8L
¶11392173
WEL Event type fe. Error ellipse: s-maj=1.4km s-min=1.3km az=90.0. Felt in the Otago region, maximum reported intensity MM 4.
WEL IX 24 02 59 58.2–.12 42.03S 173.92E 21–1 3.6L
¶11392174
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=90.0.
WEL IX 24 13 00 01.8–.36 41.24S 172.79E 147–2 2.8L
¶11392187
WEL Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=90.0.
ISC IX 24 22 40 37.4–.67 42.34S–.03 173.99E–.06 21–6 4.8b 59 0-165
ISCJB IX 24 22 40 37.2–.57 42.35S–.03 173.98E–.06 29–4 4.8b **¶15198346**
WEL IX 24 22 40 38.0–.13 42.34S 174.00E 21–1 4.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=35.4.
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=90.0.
ISC IX 25 03 57 18.4–.69 42.34S–.03 173.94E–.04 20–5 4.2b 86 0-153
IDC IX 25 03 57 16.1–.61 42.09S 173.82E 0 4.4,4.3 **¶11392208**
ISCJB IX 25 03 57 17.4–.51 42.39S–.03 173.97E–.04 23–4 4.2b,4.3
WEL IX 25 03 57 18.7–.18 42.28S 173.89E 20–1 4.6L,4.3
NEIC IX 25 03 57 18.4 42.32S 173.95E 18 4.6L,4.5b
ISC Event type fe.
IDC Error ellipse: s-maj=21.5km s-min=12.9km az=132.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.0km az=44.5.
WEL Event type fe. Error ellipse: s-maj=1.8km s-min=1.1km az=90.0. Felt between Nelson, Canterbury and Marlborough, maximum reported intensity. MM 5.
NEIC Event type se. After WEL.
ISC IX 26 07 23 01.8–.66 42.35S–.03 173.97E–.04 17–4 5.1b,4.3s 151 0-174
IDC IX 26 07 22 60.0–.52 42.07S 173.80E 0 4.9,4.8 **¶11310446**
BJI IX 26 07 23 00.2 42.01S 174.07E 11 5.4b,5.3b
ISCJB IX 26 07 23 01.6–.45 42.35S–.03 173.95E–.04 27–3 5.1b,4.3s
WEL IX 26 07 23 02.8–.14 42.31S 173.92E 24–1 5.2L,4.3s
NEIC IX 26 07 23 03.5–1.1 42.21S 173.80E 24–7 5.2L,4.9b
GCMT IX 26 07 23 05.9–.30 42.25S 173.95E 22–1 5.1W,4.9b
DJA IX 26 07 23 14 42.25S 173.12E 87 5.4b,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=20.1km s-min=15.8km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=2.8km az=136.3.
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=90.0. Felt from Nelson to Canterbury, and from West Coast to Wellington, maximum. reported intensity MM 6.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=7.3km az=115.0. Felt [IV] at Blenheim, Kaikoura, Richmond, Stoke and Westport. Also felt at Wellington.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s29,c35; s56,c78; Moment tensor: Scale 10^{16}Nm; M_{rr}3.35±.24 $M_{\theta\theta}$-0.35±.15; $M_{\phi\phi}$-3.00±.15; $M_{r\theta}$-1.52±.27; $M_{\theta\phi}$-2.01±.11; $M_{\phi r}$2.63±.24; Best double couple: NP1:ϕ_s233.00000°,δ40.00000°,λ137.00000°. NP2:ϕ_s359.00000°,δ64.00000°,λ59.00000°. Principal axes: T 5.1400,Plg59.0000° ,Azm225.0000°; N -0.6700,Plg28.0000°,Azm14.0000°; P -4.4700,Plg14.0000° ,Azm111.0000° $M_0$4.80000×10^{16}
WEL IX 26 07 25 15.9–.19 42.28S 173.89E 20–1 3.7L
¶11392234
WEL Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=90.0.
WEL IX 26 09 39 26.8–.19 42.29S 173.89E 22–1 3.8L
¶11392247

WEL Event type fe. Error ellipse: s-maj=1.6km s-min=1.0km az=90.0. Felt between Nelson, Canterbury and Wellington, maximum reported intensity MM. 4.
WEL IX 28 02 05 58.7–.41 44.50S 167.10E 5 4.1L
¶11392304
WEL Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=90.0.
WEL IX 28 10 15 34.2–.52 44.49S 167.07E 5 3.5L
¶11392311
WEL Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=90.0.
ISC IX 29 17 47 43.9–.58 44.96S–.06 167.56E–.09 83–6 3.2b 27 0-152
IDC IX 29 17 47 40.8–5.0 43.85S 167.25E 0 3.9L,3.4 **¶11392343**
ISCJB IX 29 17 47 42.8–.58 44.94S–.06 167.56E–.09 90–6 3.2b,3.4
WEL IX 29 17 47 44.0–.28 44.97S 167.41E 81–2 4.1L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=313.6km s-min=28.0km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=7.0km az=42.5.
WEL Event type ke. Error ellipse: s-maj=2.8km s-min=1.4km az=90.0.
WEL X 01 22 14 17.3–.28 41.29S 172.66E 179–2 3.9L
¶11492224
WEL Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=90.0.
WEL X 04 07 39 08.7–.68 44.55S 167.12E 5 3.8L
¶11492291
WEL Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=90.0.
WEL X 06 02 41 14.4–.20 41.74S 173.14E 69–3 3.7L
¶11492328
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.8km az=0.0.
WEL X 18 07 51 10.0–.29 41.25S 172.81E 135–2 3.7L
¶11492611
WEL Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=90.0.
WEL X 18 15 14 58.3–.22 42.04S 172.62E 77–3 4.0L
¶11492615
WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=90.0.
WEL XI 01 12 11 19.8–.25 44.80S 167.38E 5 3.7L
¶11521568
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=90.0.
WEL XI 02 19 35 00.7–.22 45.03S 167.46E 74–2 3.6L
¶11521598
WEL Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=90.0.
WEL XI 02 20 10 41.8–.15 45.49S 167.01E 69–1 4.0L
¶11521599
WEL Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=90.0.
WEL XI 03 00 48 50.6–.18 45.11S 167.40E 93–1 3.9L
¶11521602
WEL Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=90.0.
ISC XI 09 03 25 08.3–.42 45.08S–.05 167.57E–.08 133–5 3.8b 62 0-152
ISCJB XI 09 03 25 07.3–.43 45.09S–.06 167.60E–.08 141–5 3.8b **¶11521735**
IDC XI 09 03 25 08.3–.70 44.96S 167.55E 128–6 3.9,3.7
WEL XI 09 03 25 08.8–.43 45.16S 167.31E 122–3 5.0L,3.7
NEIC XI 09 03 25 09.3–1.2 45.01S 167.62E 141–13 4.2b,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.8km az=44.5.
IDC Error ellipse: s-maj=19.2km s-min=10.1km az=160.0.
WEL Event type fe. Error ellipse: s-maj=4.0km s-min=1.7km az=90.0. Felt from Otago to Fiordland, maximum reported intensity MM 4.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=11.3km az=75.0.
WEL XI 11 06 27 00.2–.21 44.96S 167.50E 134–1 3.7L
¶11521784
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=90.0.
WEL XI 13 14 26 51.0–.16 41.98S 171.82E 5 3.6L
¶11521837
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=1.1km az=90.0. Felt in the West Coast region, maximum reported intensity MM 5.
WEL XI 14 00 29 07.6–.34 41.39S 172.85E 113–3 3.5L
¶11521848
WEL Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=90.0.
ISC XI 14 07 01 35.5–.32 41.89S–.03 172.74E–.05 90–5 3.6b 69 0-150
IDC XI 14 07 01 20.3–8.3 40.06S 174.61E 0 3.8,3.7 **¶11521856**
ISCJB XI 14 07 01 34.3–.32 41.88S–.03 172.73E–.05 98–4 3.6b,3.7
WEL XI 14 07 01 36.0–.23 41.82S 172.70E 88–2 4.3L,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=523.3km s-min=45.9km az=32.0.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.5km az=40.9.
WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.4km az=90.0. Felt in the West Coast region, maximum reported intensity MM 4.
WEL XI 14 07 45 20.8–.20 45.08S 167.42E 91–1 3.8L
¶11521858
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=90.0.
WEL XI 18 05 54 24.6–.09 44.38S 169.82E 8 3.9L
¶11521960
WEL Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0.
WEL XI 18 14 52 00.1–.08 44.37S 169.84E 5 3.9L
¶11521974
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.7km az=90.0. Felt in the Canterbury region, maximum reported intensity MM 4.
WEL XI 19 22 21 22.3–.44 45.22S 167.12E 29–2 4.0L
¶11521994
WEL Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=90.0.
WEL XI 21 20 38 14.4–.25 41.15S 172.72E 201–1 3.7L
¶11522033
WEL Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=0.0.
WEL XI 25 11 05 15.8–.37 45.32S 167.06E 30–1 4.2L
¶11522111
WEL Event type fe. Error ellipse: s-maj=4.4km s-min=3.4km az=90.0. Felt in the Fiordland region, maximum reported intensity MM 4.
WEL XI 25 23 36 24.1–.36 44.83S 167.37E 5 3.6L
¶11522128
WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=90.0.
WEL XI 26 01 34 17.1–.50 44.80S 167.32E 5 3.5L
¶11522137
WEL Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=90.0.
WEL XII 01 04 33 14.1–.22 45.01S 167.49E 78–1 3.9L
¶11656572
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=90.0.
WEL XII 01 17 39 04.2–.08 44.35S 170.12E 13–1 4.1L
¶11656592
WEL Event type fe. Error ellipse: s-maj=1.2km s-min=0.7km az=90.0. Felt from Canterbury to Otago, maximum reported intensity MM 4.
ISC XII 05 05 51 44.9–.76 43.86S–.03 169.27E–.04 6–6 4.3b,3.5s 96 0-152
ISCJB XII 05 05 51 42.8–1.2 43.78S–.03 169.22E–.04 1–9 4.3b,3.5s **¶12075839**
IDC XII 05 05 51 44.6–.66 43.85S 169.20E 0 4.4,4.3
WEL XII 05 05 51 45.8–.13 43.86S 169.25E 11–1 4.8L,4.3
NEIC XII 05 05 51 45.7 43.82S 169.20E 14 4.9L,4.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.3km az=37.4.
IDC Error ellipse: s-maj=26.0km s-min=11.6km az=4.0.
WEL Event type fe. Error ellipse: s-maj=1.3km s-min=1.2km az=90.0. Felt from West Coast to Otago, maximum reported intensity MM 4.
NEIC Event type fe. Felt at Albert Town, Greymouth, Hawea Flat and Queenstown. After WEL.
WEL XII 05 20 29 23.8–.14 42.70S 171.28E 5 3.6L
NEIC XII 05 20 29 24.1 42.70S 171.27E 7 3.6L **¶11656688**
WEL Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=90.0.
NEIC Event type se. After WEL.
WEL XII 07 17 35 36.0–.21 44.96S 167.43E 71–2 3.7L
NEIC XII 07 17 35 36.0 44.95S 167.43E 71 3.7L **¶11656748**
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=1.1km az=90.0.
NEIC Event type se. After WEL.
WEL XII 08 05 46 20.9–.18 44.66S 168.12E 85–1 3.6L
NEIC XII 08 05 46 21.0 44.67S 168.11E 87 3.6L **¶11656760**
WEL Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=90.0.
NEIC Event type se. After WEL.
ISC XII 17 19 54 58.5–.94 42.51S–.03 172.84E–.04 4–7 4.0b,3.6s 150 1-153
ISCJB XII 17 19 54 58.4–.82 42.49S–.03 172.81E–.04 11–6 4.0b,3.6s **¶11593852**
IDC XII 17 19 54 58.7–1.0 42.54S 172.75E 0 4.2,4.1
WEL XII 17 19 54 59.8–.08 42.42S 172.84E 5 4.9L,4.1
NEIC XII 17 19 55 00.1 42.47S 172.84E 12 4.9L,4.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.2km az=39.8.
IDC Error ellipse: s-maj=26.5km s-min=23.7km az=76.0.
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.7km az=90.0. Felt between West Coast, Canterbury and Wellington, maximum reported. intensity MM 6.
NEIC Event type fe. Felt [V] at Hanmer Springs and [IV] at Christchurch and Greymouth. Felt in much of the northern part of the South Island. After WEL.
WEL XII 17 20 12 02.7–.11 42.46S 172.89E 5 4.1L
NEIC XII 17 20 12 03.0 42.49S 172.88E 10 4.1L **¶11656992**
WEL Event type fe. Error ellipse: s-maj=1.4km s-min=0.9km az=90.0. Felt from West Coast to Canterbury, maximum reported intensity MM 5.
NEIC Event type fe. Felt [IV] at Hanmer Springs. After WEL.
WEL XII 23 08 30 28.7–.26 45.37S 167.25E 124–2 4.2L
NEIC XII 23 08 30 28.9 45.36S 167.25E 123 4.2 **¶11657114**
WEL Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=90.0.
NEIC Event type se. After WEL.
WEL XII 23 11 19 32.1–.17 45.34S 167.19E 103–1 4.1L
NEIC XII 23 11 19 32.4 45.34S 167.20E 100 4.0 **¶11657119**
WEL Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=90.0.
NEIC Event type se. After WEL.
WEL XII 27 01 19 43.3–.30 41.29S 172.46E 210–2 3.5L
¶11657215
WEL Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=90.0.
WEL XII 30 11 04 48.8–.12 44.40S 168.22E 5 3.9L
NEIC XII 30 11 04 48.9 44.41S 168.22E 5 3.9L **¶11656059**
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=90.0. Felt in the Otago region, maximum reported intensity MM 3.
NEIC Event type fe. Felt at Glenorchy. After WEL.

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WEL VII 01 18 26 11.7–.17 40.65S 173.29E 163–1 4.6L
NEIC VII 01 18 26 12.2 40.64S 173.30E 157 4.6 **¶11207167**
WEL Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=90.0.
NEIC Event type se. After WEL.
WEL VII 07 19 39 11.1–.33 40.07S 173.66E 204–2 3.7L
NEIC VII 07 19 39 10.5 40.05S 173.62E 209 3.7 **¶11207311**
WEL Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=90.0.
NEIC Event type se. After WEL.
WEL VII 16 01 42 59.6–.08 40.94S 174.65E 68–1 4.2L
NEIC VII 16 01 42 59.7 40.94S 174.65E 66 4.1L **¶11207531**
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.7km az=90.0. Felt from Manawatu to Marlborough, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL VII 20 14 23 30.6–.08 41.32S 174.17E 42–1 3.5L
¶11207632
WEL Event type fe. Error ellipse: s-maj=1.2km s-min=1.1km az=0.0. Felt from Nelson to Wellington, maximum reported intensity MM 4.
WEL VII 26 13 19 26.0–.09 41.75S 174.33E 56–1 3.5L
¶11207795
WEL Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=0.0.
WEL VII 26 18 43 01.6–.09 40.33S 173.56E 5 4.3L
NEIC VII 26 18 43 01.4 40.31S 173.55E 5 4.3L **¶11207796**
WEL Event type fe. Error ellipse: s-maj=1.2km s-min=0.6km az=90.0. Felt from Taranaki to Nelson, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
WEL VII 28 15 51 52.3–.31 40.18S 173.49E 175–2 3.8L
NEIC VII 28 15 51 51.2 40.17S 173.47E 186 3.9 **¶11207830**
WEL Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=90.0.
NEIC Event type se. After WEL.
WEL VIII 02 07 48 19.9–.10 40.06S 174.97E 12 3.6L
¶11325618
WEL Event type fe. Error ellipse: s-maj=1.4km s-min=0.6km az=90.0. Felt in the Wanganui region, maximum reported intensity MM 4.
WEL VIII 09 04 22 40.2–.29 40.53S 173.18E 240–2 3.5L
¶11325787
WEL Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=0.0.
WEL VIII 22 16 43 16.3–.14 40.09S 175.00E 21–2 3.5L
¶11326093
WEL Event type fe. Error ellipse: s-maj=1.5km s-min=0.7km az=90.0. Felt from Wanganui to Manawatu, maximum reported intensity MM 4.
WEL VIII 23 15 33 32.0–.15 40.35S 174.28E 82–2 4.0L
NEIC VIII 23 15 33 31.9 40.35S 174.28E 84 4.0L **¶11326120**
WEL Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=90.0.
NEIC Event type se. After WEL.
WEL VIII 28 22 55 26.2–.21 40.46S 174.32E 66–4 3.9L
NEIC VIII 28 22 55 25.4 40.45S 174.34E 88 3.8L **¶11326269**
WEL Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=90.0.
NEIC Event type se. After WEL.
WEL IX 05 09 01 47.3–.20 40.24S 173.99E 145–2 3.8L
¶11391746
WEL Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=90.0.
ISC IX 06 06 27 32.8–.34 40.61S–.03 173.26E–.05 174–5 3.6b 105 1-88
ISCJB IX 06 06 27 31.7–.36 40.61S–.03 173.26E–.05 184–5 3.6b **¶11391766**
IDC IX 06 06 27 32.2–1.5 40.51S 173.31E 148–19 3.6,3.6
WEL IX 06 06 27 34.3–.27 40.59S 173.28E 165–2 4.5L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=3.6km az=37.5.
IDC Error ellipse: s-maj=23.4km s-min=16.6km az=122.0.
WEL Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=90.0.
ISC IX 14 09 25 11.9–.18 40.29S–.02 174.53E–.03 88–3 4.5b 165 1-157
ISCJB IX 14 09 25 11.0–.19 40.29S–.02 174.54E–.03 96–3 4.5b **¶11391964**
NEIC IX 14 09 25 11.3–.74 40.27S 174.58E 82–6 5.2L,4.7b
IDC IX 14 09 25 12.5–.67 40.12S 174.57E 90–5 4.4,4.3
WEL IX 14 09 25 12.2–.12 40.28S 174.53E 93–1 5.1L,4.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.7km az=25.0.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=8.6km az=98.0. Felt [IV] at Hawera, Karori, New Plymouth, Paraparaumu, Wanganui, Wellington, Westown and Whitby. Felt in the southern part of the North Island and the northern part of the South Island.
IDC Error ellipse: s-maj=15.2km s-min=9.9km az=151.0.
WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.3km az=90.0. Felt from Northland to Hawke"s Bay, maximum reported intensity MM. 6.
WEL IX 25 00 34 16.2–.30 40.35S 173.62E 206–2 3.5L
¶11392202
WEL Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=90.0.
WEL IX 30 04 02 30.9–.17 40.17S 174.36E 95–2 3.9L
¶11392349
WEL Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=90.0.
WEL X 04 05 35 48.6–.32 40.24S 173.44E 164–3 3.5L
¶11492288
WEL Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=90.0.
WEL X 13 18 53 00.3–.08 40.10S 174.86E 12 3.7L
¶11492496
WEL Event type fe. Error ellipse: s-maj=1.1km s-min=0.5km az=90.0. Felt from Taranaki to Manawatu, maximum reported intensity MM 4.
WEL X 17 00 25 30.4–.13 40.13S 174.92E 28–1 4.2L
NEIC X 17 00 25 30.4 40.12S 174.92E 28 4.2L **¶11492572**
WEL Event type fe. Error ellipse: s-maj=2.0km s-min=0.8km az=90.0. Felt from Auckland to Wellington, maximum reported intensity MM 4.
NEIC Event type fe. Felt [IV] in the Wanganui area and at Wellington. After WEL.
WEL X 17 06 28 24.6–.15 40.12S 174.92E 23–3 3.9L
¶11492582
WEL Event type fe. Error ellipse: s-maj=1.9km s-min=0.9km az=90.0. Felt in the Wanganui region, maximum reported intensity MM 4.
WEL X 21 09 23 43.8–.15 40.65S 174.20E 68–2 3.5L
¶11492684
WEL Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=90.0.
WEL X 28 08 33 45.0–.16 40.46S 174.53E 88–2 4.0L

¶11492908

WEL Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=90.0.
ISC XI 02 14 00 49.2–.36 41.13S–.03 174.58E–.05 53–6 51 0-7
ISCJB XI 02 14 00 48.0–.39 41.15S–.03 174.58E–.05 67–5 **¶11521592**
WEL XI 02 14 00 50.1–.05 41.02S 174.57E 39–0 3.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.4km az=39.2.
WEL Event type fe. Error ellipse: s-maj=0.7km s-min=0.6km az=0.0. Felt in the Wellington region, maximum reported intensity MM 5.
WEL XI 05 20 49 34.3–.09 41.09S 174.58E 60–1 3.6L
¶11521657

WEL Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=90.0.
WEL XI 10 17 20 54.9–.08 41.74S 174.39E 56–1 4.0L
¶11521774

WEL Event type fe. Error ellipse: s-maj=0.9km s-min=0.8km az=0.0. Felt from Manawatu to Canterbury, maximum reported intensity MM 5.
WEL XI 15 00 56 57.6–.14 41.95S 174.34E 25–1 3.5L
¶11521886

WEL Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=0.0.
WEL XI 19 15 12 10.8–.42 40.02S 173.61E 217–3 3.6L
¶11521988

WEL Event type fe. Error ellipse: s-maj=3.1km s-min=1.9km az=90.0.
WEL XI 22 23 41 09.0–.05 41.01S 174.88E 31–0 3.6L
¶11522056

WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0. Felt between Wellington, Marlborough and Wairarapa, maximum reported. intensity MM 5.
WEL XI 23 11 23 59.0–.26 40.36S 173.41E 206–2 4.0L
¶11522061

WEL Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=90.0.
ISC XI 23 13 29 03.7–.34 40.83S–.03 174.44E–.04 63–5 3.0b 78 0-152
IDC XI 23 13 28 54.2–1.8 40.64S 174.64E 0 3.5,3.4 **¶11522063**
ISCJB XI 23 13 29 02.8–.35 40.83S–.03 174.43E–.04 68–5 3.1b,3.4
WEL XI 23 13 29 04.7–.13 40.80S 174.47E 53–2 3.8L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=99.8km s-min=43.5km az=24.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=40.2.
WEL Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=90.0.
WEL XI 25 01 37 53.1–.23 40.29S 174.26E 91–3 3.1L
¶11522098

WEL Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=90.0.
ISC XI 30 05 08 25.2–.22 40.53S–.03 173.30E–.04 190–2 4.1b 147 1-163
ISCJB XI 30 05 08 24.3–.22 40.53S–.03 173.29E–.04 194–2 4.0b **¶11521178**
IDC XI 30 05 08 24.2–.56 40.48S 173.43E 185–5 4.2,4.1
NEIC XI 30 05 08 24.9–.43 40.45S 173.25E 182 4.6b,4.1
WEL XI 30 05 08 26.1–.26 40.48S 173.32E 188–2 5.3L,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.1km az=36.7.
IDC Error ellipse: s-maj=13.5km s-min=9.0km az=129.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=9.3km az=90.0. Felt at Wellington.
WEL Event type fe. Error ellipse: s-maj=1.6km s-min=0.7km az=90.0. Felt from Taranaki to Canterbury, and from West Coast to Wairarapa, maximum. reported intensity MM 4.
WEL XI 30 06 46 33.6–.13 41.89S 174.24E 12 3.9L
¶11521181

WEL Event type fe. Error ellipse: s-maj=1.4km s-min=1.2km az=0.0. Felt from Wellington to Marlborough, maximum reported intensity MM 5.
WEL XII 03 07 32 21.4–.23 41.87S 174.22E 15–1 3.8L
NEIC XII 03 07 32 20.8 41.89S 174.23E 12 3.7L **¶11656633**
WEL Event type fe. Error ellipse: s-maj=1.9km s-min=1.9km az=0.0. Felt from Wellington to Marlborough, maximum reported intensity MM 4. Small foreshock 1 sec. earlier.
NEIC Event type fe. Felt at Ward. After WEL.
WEL XII 11 16 52 04.8–.14 41.08S 174.14E 75–1 2.9L
¶11656846

WEL Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=0.0.
WEL XII 15 17 29 14.7–.15 40.43S 174.48E 70–2 3.7L
NEIC XII 15 17 29 14.7 40.43S 174.48E 71 3.7L **¶11656941**
WEL Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=90.0.
NEIC Event type se. After WEL.
WEL XII 18 05 59 59.8–.04 41.16S 174.75E 37–1 3.5L
¶11656997

WEL Event type fe. Error ellipse: s-maj=0.6km s-min=0.5km az=0.0. Felt in the Wellington region, maximum reported intensity MM 4.
WEL XII 26 13 55 45.3–.20 40.17S 174.68E 29–2 3.8L
NEIC XII 26 13 55 46.5 40.21S 174.78E 33 3.8L **¶11657204**
WEL Event type fe. Error ellipse: s-maj=1.6km s-min=0.6km az=90.0. Felt in the Wanganui region, maximum reported intensity MM 4.
NEIC Event type se. After WEL.
ISC XII 26 19 49 58.4–.18 40.60S–.02 174.85E–.03 62–3 4.7b 240 0-164
ISCJB XII 26 19 49 57.5–.18 40.59S–.02 174.86E–.04 70–3 4.6b **¶11613290**
NEIC XII 26 19 49 59.6 40.55S 174.86E 50 5.1L,4.7b
WEL XII 26 19 49 59.6–.06 40.55S 174.87E 52–1 5.1L,4.7b
IDC XII 26 19 49 59.2–.99 40.71S 174.73E 65–6 4.4,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.8km az=25.9.
NEIC Event type fe. Felt in the southern part of the North Island and the northern part of the South Island. After WEL.
WEL Event type fe. Error ellipse: s-maj=0.8km s-min=0.4km az=90.0. Felt from Auckland to Canterbury, maximum reported intensity MM 5.
IDC Error ellipse: s-maj=22.8km s-min=15.3km az=122.0.
WEL XII 27 03 27 36.1–.09 41.93S 174.41E 33 3.6L
NEIC XII 27 03 27 36.0 41.94S 174.42E 33 3.6L **¶11657219**
WEL Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=0.0.
NEIC Event type se. After WEL.
WEL XII 27 20 47 22.9–.26 40.46S 173.32E 169–2 4.2L
NEIC XII 27 20 47 21.9 40.44S 173.29E 180 4.2 **¶11657239**
WEL Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=90.0.
NEIC Event type se. After WEL.

(164) Off east coast of South Island.

WEL VIII 12 12 05 58.1–.27 42.86S 175.00E 33 3.9L
¶11325873

WEL Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=90.0.
WEL IX 10 22 27 04.3–.39 43.27S 176.27E 33 3.6L
¶11391868

WEL Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=90.0.
ISC IX 24 22 40 41.4–.76 42.24S–.03 174.04E–.04 18–4 4.8b,4.2s 82 0-162
IDC IX 24 22 40 34.9–.57 42.04S 173.86E 0 4.6L,4.4 **¶11382987**
BJI IX 24 22 40 39.9 42.20S 174.00E 10 5.4b,5.4b
ISCJB IX 24 22 40 40.7–.57 42.27S–.03 174.04E–.04 25–4 4.8b,4.2s
NEIC IX 24 22 40 41.9 42.20S 173.98E 16 5.1b,5.1L
WEL IX 24 22 40 41.9–.17 42.20S 173.98E 17–1 5.1L,5.1L
GCMT IX 24 22 40 43.2–.30 42.47S 173.89E 20–1 5.0W,5.1L
ISC Event type fe.
IDC Error ellipse: s-maj=18.8km s-min=17.3km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=136.5.
NEIC Event type fe. Felt [IV] at Blenheim, Christchurch, Kaikoura, Nelson and Wellington. Felt widely in central New Zealand. After WEL.
WEL Event type fe. Error ellipse: s-maj=1.7km s-min=1.1km az=90.0. Felt from Nelson to Canterbury, and from West Coast to Wellington, maximum. reported intensity MM 6.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s37,c52; s55,c76; Moment tensor: Scale 10^{16}Nm; M_{rr}3.22±.20 $M_{\theta\theta}$-0.38±.14; $M_{\phi\phi}$-2.85±.14; $M_{r\theta}$0.06±.23; $M_{\theta\phi}$-1.64±.09; $M_{\phi r}$3.03±.26; Best double couple: NP1:ϕ_s224.00000°,δ28.00000°,λ121.00000°. NP2:ϕ_s10.00000°,δ66.00000°,λ75.00000°. Principal axes: T 4.5500,Plg65.0000° ,Azm253.0000°; N 0.1100,Plg14.0000°,Azm16.0000°; P -4.6600,Plg20.0000°,Azm111.0000° M_o4.60000×10^{16}
ISC X 26 07 52 53.8–.59 45.19S–.05 173.22E–.06 35 69 2-151
IDC X 26 07 52 50.4–1.8 45.15S 173.33E 0 3.5,3.3 **¶11492811**
ISCJB X 26 07 52 51.3–.61 45.23S–.05 173.33E–.06 33 3.5,3.3
NEIC X 26 07 52 54.6 45.15S 173.09E 33 4.1L,3.3
WEL X 26 07 52 54.6–.49 45.15S 173.09E 33 4.1L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=115.3km s-min=56.5km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=3.5km az=142.9.
NEIC Event type se. After WEL.
WEL Event type ke. Error ellipse: s-maj=5.2km s-min=3.0km az=90.0. unusual location.
WEL XI 05 14 35 36.5–.54 42.59S 177.27E 12 3.8L
¶11521652

WEL Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=0.0.

(166) Auckland Islands region.

ISC XII 27 06 59 57.5–1.9 49.56S–.07 164.06E–.07 11–13 4.5s,4.4b 64 4-161
ISCJB XII 27 06 59 55.3–1.7 49.57S–.07 164.11E–.08 10–12 4.5s,4.4b **¶11613293**
IDC XII 27 06 59 57.7–.96 49.76S 163.14E 0 4.5s,4.5
NEIC XII 27 06 59 57.6–.60 49.50S 163.99E 10 4.6b,4.5
GCMT XII 27 06 59 59.7–.30 49.79S 163.48E 12 5.1W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=5.6km az=150.2.
IDC Error ellipse: s-maj=40.9km s-min=20.9km az=58.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=13.7km az=175.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s33,c44; s68,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.46±.20 $M_{\theta\theta}$5.84±.16; $M_{\phi\phi}$-5.38±.16; $M_{r\theta}$0.67±.51; $M_{\theta\phi}$0.24±.18; $M_{\phi r}$-0.12±.48; Best double couple: NP1:ϕ_s44.00000°,δ85.00000°,λ177.00000°. NP2:ϕ_s134.00000°,δ87.00000°,λ5.00000°. Principal axes: T 5.9200,Plg6.0000° ,Azm359.0000°; N -0.5300,Plg84.0000°,Azm164.0000°; P -5.3900,Plg2.0000° ,Azm269.0000° M_o5.70000×10^{16}

(167) Macquarie Island region.

IDC IX 07 17 47 18.9–28 59.11S 162.14E 0 4.1,3.9
¶11909742

IDC Error ellipse: s-maj=512.2km s-min=258.8km az=128.0.
ISC IX 30 11 59 54.5–1.4 55.4S–.10 159.3E–.90 10 3.9b 11 1-150
ISCJB IX 30 11 59 53.0–.98 55.46S–.06 159.1E–.60 10 3.9b **¶11911450**
NEIC IX 30 11 59 56.0–.69 55.36S 158.89E 10 3.9b
IDC IX 30 11 59 57.7–4.5 55.75S 157.02E 0 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=48.0km s-min=7.2km az=175.4.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=11.3km az=82.0.
IDC Error ellipse: s-maj=223.7km s-min=20.6km az=73.0.
IDC X 14 06 26 32.9–41 52.97S 160.98E 0 4.0,3.9s
¶12068602

IDC Error ellipse: s-maj=694.0km s-min=324.2km az=131.0.
ISC XI 26 22 45 60.0–2.6 55.00S–.09 160.3E–.20 8–15 4.1b 19 1-135
IDC XI 26 22 45 57.5–5.3 54.82S 161.11E 0 4.3,4.2 **¶12074963**
ISCJB XI 26 22 45 59.8–2.6 54.94S–.09 160.4E–.20 19–18 4.1b,4.2
NEIC XI 26 22 46 00.1–.38 55.01S 160.28E 10 3.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=268.5km s-min=26.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=12.2km az=156.8.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.7km az=61.0.
IDC XII 05 02 51 42.4–6.4 53.42S 159.62E 0 3.9,3.9
¶12075822

IDC Error ellipse: s-maj=286.4km s-min=24.4km az=69.0.
ISC XII 29 04 55 41.6–2.0 52.7S–.20 160.0E–.20 10 4.2b,3.8s 18 9-154
IDC XII 29 04 55 45.0–2.0 52.24S 159.27E 0 4.4,4.4L **¶12079351**
IDC Error ellipse: s-maj=52.8km s-min=40.3km az=22.0.

SEISMIC REGION 12.
Kermadec-Tonga-Samoa Area.

(169) Samoa Islands region.

IDC VII 04 19 05 57.1–52 15.21S 171.44W 0 4.5,4.4b
¶12698011

IDC Error ellipse: s-maj=1011.0km s-min=175.1km az=79.0.
IDC VII 11 02 37 36.3–3.2 14.58S 174.06W 0 4.1,3.8b
¶12698128

IDC Error ellipse: s-maj=222.7km s-min=27.0km az=150.0.
IDC VII 13 00 50 39.8–5.1 15.42S 172.75W 0 4.2,4.0b
¶12698174

IDC Error ellipse: s-maj=224.9km s-min=24.3km az=136.0.
ISC VII 16 08 11 07.7–.11 16.64S–.03 172.96W–.03 35 5.4b,5.3s 785 3-174
IDC VII 16 08 11 02.6–.37 16.56S 173.13W 0 5.2s,5.2 **¶11126444**
NEIC VII 16 08 11 04.0–.10 16.60S 172.96W 10 5.7W,5.6W
SZGRF VII 16 08 11 04.6 17.99S 172.71W 29 5.4b,5.6W
MOS VII 16 08 11 05.6–.95 16.63S 173.04W 33 5.7b,5.3s
ISCJB VII 16 08 11 05.8–.11 16.62S–.03 172.98W–.03 33 5.4b,5.3s
BJI VII 16 08 11 09.2 16.01S 173.17W 33 5.7b,5.5b
GCMT VII 16 08 11 10.6–.10 16.67S 172.72W 22–0 5.7W,5.5b
DJA VII 16 08 11 40 17.36S 174.75W 232 5.3b,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=12.4km az=146.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.9km az=136.0. Moment Tensor Solution. s103 Moment tensor: Scale 10^{17}Nm; M_{rr}2.33 $M_{\theta\theta}$-2.92 $M_{\phi\phi}$0.59 $M_{r\theta}$-0.42 $M_{\theta\phi}$1.41 $M_{\phi r}$0.51 Best double couple: NP1:ϕ_s302.00000°,δ52.00000°,λ107.00000°. NP2:ϕ_s95.00000° ,δ41.00000°,λ69.00000°. Principal axes: T 2.4700,Plg75.0000°,Azm268.0000° ; N 1.0000,Plg13.0000°,Azm111.0000°; P -3.4700,Plg5.0000°,Azm19.0000° M_o3.10000×10^{17}
SZGRF Tonga Islands region.
MOS Error ellipse: s-maj=9.7km s-min=7.1km az=48.8.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.8km az=141.5.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=234, per= 50. Moment Tensor Solution. s102,c186; s60,c67; Moment tensor: Scale 10^{17}Nm; M_{rr}3.49±.04 $M_{\theta\theta}$-3.61±.03; $M_{\phi\phi}$0.11±.03; $M_{r\theta}$-1.18±.06; $M_{\theta\phi}$0.24±.03; $M_{\phi r}$0.97±.06; Best double couple: NP1:ϕ_s81.00000°,δ37.00000°,λ69.00000°. NP2:ϕ_s287.00000°,δ56.00000°,λ105.00000°. Principal axes: T 3.9000,Plg74.0000°,Azm239.0000°; N -0.0700,Plg13.0000°,Azm98.0000° ; P -3.8400,Plg10.0000°,Azm6.0000° M_o3.90000×10^{17}
IDC VII 18 18 01 29.2–57 15.42S 171.97W 0 4.1,3.9b
¶12698290

IDC Error ellipse: s-maj=1118.0km s-min=208.0km az=79.0.
ISC VII 22 14 43 34.5–2.2 15.55S–.10 172.64W–.06 62–21 4.6b 312 2-174
IDC VII 22 14 43 23.2–.61 15.96S 172.73W 0 4.6,4.5 **¶11136703**
ISCJB VII 22 14 43 26.9–.31 15.31S–.08 172.62W–.06 11 4.6b,4.2s
NEIC VII 22 14 43 26.5–.34 15.54S 172.69W 10 4.7b,4.2s
MOS VII 22 14 43 28.7–.89 15.24S 172.63W 24 4.9b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=16.8km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=6.7km az=156.9.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.8km az=129.0.
MOS Error ellipse: s-maj=16.7km s-min=11.1km az=66.3.
ISC VII 23 01 58 45.2–1.1 15.9S–.30 172.9W–.30 35 4.1b,3.8s 14 2-149
IDC VII 23 01 58 40.3–1.2 15.78S 172.84W 0 4.3,4.1 **¶11153583**
ISCJB VII 23 01 58 43.2–1.1 15.9S–.30 172.9W–.30 33 4.1b,3.8s
NEIC VII 23 01 58 45.5–.82 15.80S 172.87W 35 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=65.3km s-min=22.2km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=53.2km s-min=18.4km az=142.1.
NEIC Event type se. Error ellipse: s-maj=41.8km s-min=14.7km az=140.0.
ISC VII 24 07 53 52.4–.62 15.6S–.20 172.9W–.20 35 4.0b 15 2-147
IDC VII 24 07 53 47.0–.79 15.70S 172.84W 0 4.3,4.1 **¶11812513**
ISCJB VII 24 07 53 50.4–.61 15.5S–.20 173.0W–.20 33 4.0b,4.1
NEIC VII 24 07 53 53.0–.66 15.54S 172.89W 45 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=20.5km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=32.2km s-min=11.4km az=41.0.
NEIC Event type se. Error ellipse: s-maj=34.8km s-min=13.2km az=131.0.
ISC VII 26 11 07 43.7–.55 15.9S–.10 172.9W–.20 35 4.2b 16 2-151
IDC VII 26 11 07 38.2–.83 15.95S 172.80W 0 4.5,4.3 **¶11812646**
ISCJB VII 26 11 07 41.8–.55 15.9S–.10 172.9W–.20 33 4.2b,4.3
NEIC VII 26 11 07 52.5–2.4 16.05S 172.82W 115–21 4.1b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=21.4km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=26.0km s-min=13.2km az=40.4.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=13.3km az=125.0.
ISC VIII 09 05 08 48.8–.96 15.6S–.20 173.0W–.30 10 4.1b,3.6s 17 2-147

IDC VIII 09 05 08 44.1–1.7 16.41S 172.84W 0 4.2,4.0 ¶11180493
ISCJB VIII 09 05 08 47.1–.90 15.8S–.20 172.8W–.20 10 4.1b,3.6s
NEIC VIII 09 05 08 48.7–.85 15.67S 172.73W 10 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=100.7km s-min=23.8km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=35.2km s-min=10.4km az=43.9.
NEIC Event type se. Error ellipse: s-maj=39.2km s-min=12.5km az=147.0.
IDC VIII 11 18 33 03.9–1.3 15.03S 172.91W 0 4.4,4.3b
¶12581031
IDC Error ellipse: s-maj=76.6km s-min=23.1km az=140.0.
ISC VIII 12 21 40 44.1–.80 15.6S–.10 173.0W–.10 35 3.8b 12 2-147
IDC VIII 12 21 40 39.0–2.6 15.81S 172.95W 0 4.3,4.0 ¶11908124
ISCJB VIII 12 21 40 41.9–.80 15.6S–.10 173.0W–.10 33 3.8b,4.0
NEIC VIII 12 21 40 44.1–.63 15.70S 172.98W 35 3.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=133.8km s-min=25.4km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=27.4km s-min=9.5km az=45.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=11.7km az=145.0.
ISC VIII 19 21 54 21.4–2.0 15.0S–.20 174.0W–.20 86–26 4.2b 11 2-145
ISCJB VIII 19 21 54 20.6–2.1 14.9S–.20 174.0W–.20 94–27 4.2b ¶11908463
NEIC VIII 19 21 54 21.6–1.6 15.00S 174.06W 83–19 4.3b
IDC VIII 19 21 54 21.6–2.9 15.05S 173.98W 83–30 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.3km s-min=22.6km az=146.1.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=15.0km az=144.0.
IDC Error ellipse: s-maj=47.9km s-min=19.6km az=139.0.
IDC VIII 19 23 39 43.2–3.8 14.81S 174.64W 136–63 3.9,3.6b
¶12581219
IDC Error ellipse: s-maj=165.8km s-min=25.0km az=146.0.
IDC VIII 20 23 45 30.0–10 15.37S 172.95W 0 4.4,4.2
¶11232308
IDC Error ellipse: s-maj=504.2km s-min=25.5km az=141.0.
IDC VIII 21 02 01 19.3–5.3 14.59S 174.32W 0 3.9,3.7
¶12581246
IDC Error ellipse: s-maj=337.4km s-min=74.8km az=150.0.
IDC VIII 21 06 39 42.7–10 15.49S 172.99W 0 4.2,4.1s
¶12581252
IDC Error ellipse: s-maj=479.4km s-min=23.3km az=140.0.
ISC VIII 21 07 14 30.8–1.2 14.8S–.40 174.0W–.20 35 4.2b,3.7s 20 2-151
IDC VIII 21 07 14 24.3–1.8 15.08S 173.71W 0 4.5,4.2 ¶11232309
ISCJB VIII 21 07 14 28.5–1.2 14.9S–.40 174.0W–.30 33 4.2b,3.7s
NEIC VIII 21 07 14 28.0–.97 14.73S 174.01W 15 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=107.0km s-min=22.0km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=60.7km s-min=17.4km az=148.5.
NEIC Event type se. Error ellipse: s-maj=51.2km s-min=16.1km az=149.0.
IDC VIII 25 05 53 42.0–4.2 14.85S 173.78W 88–82 3.9,3.7b
¶12581369
IDC Error ellipse: s-maj=279.2km s-min=33.1km az=146.0.
IDC IX 01 10 43 03.9–2.1 16.82S 170.20W 399–22 3.6,3.4b
¶11909215
IDC Error ellipse: s-maj=37.1km s-min=20.6km az=142.0.
IDC IX 02 23 28 33.3–2.5 14.99S 175.55W 0 4.2,3.9
¶11279443
IDC Error ellipse: s-maj=161.3km s-min=27.3km az=142.0.
IDC IX 04 21 34 39.5–45 16.09S 172.48W 0 4.7,4.5b
¶11909492
IDC Error ellipse: s-maj=879.4km s-min=164.6km az=79.0.
IDC IX 05 15 50 19.2–50 15.09S 172.07W 0 4.1,4.0b
¶11909537
IDC Error ellipse: s-maj=970.3km s-min=179.3km az=78.0.
IDC IX 13 14 03 01.8–2.2 16.08S 172.50W 0 3.8,3.6
¶11910185
IDC Error ellipse: s-maj=90.3km s-min=25.4km az=138.0.
IDC IX 14 14 44 26.3–6.5 15.16S 172.89W 0 3.7,3.5
¶11910268
IDC Error ellipse: s-maj=310.7km s-min=22.8km az=142.0.
ISC IX 15 13 30 27.4–.66 15.0S–.10 173.7W–.10 35 4.1b,3.3s 13 2-146
IDC IX 15 13 30 22.7–.91 14.95S 173.87W 0 4.3,4.1 ¶11910332
NEIC IX 15 13 30 23.9–.43 15.02S 173.79W 10 4.2b,4.1
ISCJB IX 15 13 30 25.7–.68 15.0S–.10 173.8W–.10 33 4.1b,3.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 16 09 46 56.4–2.9 16.68S–.05 172.70W–.03 22–20 5.1b,4.9s 654 3-174
IDC IX 16 09 46 52.0–.41 16.72S 172.73W 0 4.9s,4.9 ¶11277601
ISCJB IX 16 09 46 52.0–2.3 16.64S–.04 172.68W–.03 4–14 5.1b,4.9s
NEIC IX 16 09 46 54.2–.14 16.64S 172.74W 10 5.3b,4.9s
BJI IX 16 09 46 56.2 16.54S 172.51W 35 5.5b,5.3b
SZGRF IX 16 09 46 57.4 17.01S 172.80W 33 5.5b,5.3b
GCMT IX 16 09 46 59.0–.20 16.67S 172.31W 16 5.3W,5.3b
MOS IX 16 09 47 00.2–1.3 15.74S 172.65W 33 5.4b,5.0s
DJA IX 16 09 47 02 17.27S 173.07W 30 5.4b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=12.0km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.4km az=150.3.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.9km az=144.0.
SZGRF Tonga Islands region.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c92; s86,c139; Moment tensor: Scale 10^{17}Nm; M_{rr}0.44±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.47±.01; $M_{r\theta}$0.32±.04; $M_{\theta\phi}$-0.04±.01; $M_{\phi r}$1.08±.03; Best double couple: NP1:ϕ_s173.00000°,δ12.00000°,λ67.00000°. NP2:ϕ_s16.00000°,δ79.00000°,λ95.00000°. Principal axes: T 1.2100,Plg56.0000° ,Azm292.0000°; N 0.0100,Plg5.0000°,Azm195.0000°; P -1.2200,Plg34.0000°,Azm102.0000° $M_0$1.20000×10^{17}
MOS Error ellipse: s-maj=13.3km s-min=7.6km az=63.9.
IDC IX 16 10 00 57.4–1.0 16.47S 172.82W 0 4.0,3.9
¶11910389
IDC Error ellipse: s-maj=50.0km s-min=19.3km az=137.0.
IDC IX 16 17 38 35.3–50 15.00S 166.85W 0 4.1,3.9b
¶11910413
IDC Error ellipse: s-maj=1035.0km s-min=212.3km az=81.0.
ISC IX 17 06 21 45.1–3.4 15.37S–.09 172.87W–.09 23–25 4.1b,3.7s 20 2-174
IDC IX 17 06 21 41.7–.69 15.46S 172.98W 0 4.7L,4.4 ¶11322788
ISCJB IX 17 06 21 45.7–1.6 15.3S–.20 173.1W–.10 37–15 4.1b,3.7s
NEIC IX 17 06 21 45.0–3.1 15.44S 172.88W 21–22 4.1b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=16.7km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=30.8km s-min=10.2km az=144.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=9.2km az=151.0.
ISC IX 22 03 47 34.6–.94 14.9S–.20 175.5W–.10 311–11 4.0b 15 4-177
ISCJB IX 22 03 47 32.7–1.2 14.9S–.20 175.7W–.20 306–14 4.0b ¶11910808
IDC IX 22 03 47 33.0–1.6 14.71S 175.73W 293–23 4.0,3.7b
NEIC IX 22 03 47 34.1–1.0 14.98S 175.43W 310–11 4.0b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=44.4km s-min=16.0km az=150.5.
IDC Error ellipse: s-maj=70.3km s-min=12.2km az=150.0.
NEIC Event type se. Error ellipse: s-maj=38.8km s-min=12.1km az=153.0.
IDC IX 28 17 59 44.2–1.6 14.41S 174.47W 0 4.2,3.9
¶11339125
IDC Error ellipse: s-maj=99.1km s-min=24.1km az=145.0.
IDC X 02 05 00 50.8–.98 16.58S 172.70W 0 4.2,4.1
¶11357318
IDC Error ellipse: s-maj=51.2km s-min=19.9km az=138.0.
ISC X 07 10 09 06.2–.90 15.6S–.20 172.9W–.30 35 3.9b 15 2-147
IDC X 07 10 09 01.0–1.0 15.82S 172.74W 0 4.1,4.0 ¶12066254
NEIC X 07 10 09 02.5–.81 15.78S 172.78W 10 4.1,4.0
ISCJB X 07 10 09 04.2–.90 15.6S–.20 172.9W–.30 33 3.9b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 09 06 48 28.5–30 16.98S 171.91W 0 4.2,4.0b
¶12066405
IDC Error ellipse: s-maj=605.4km s-min=173.4km az=87.0.
IDC X 11 03 59 20.7–43 15.40S 172.91W 0 4.7,4.5b
¶12066563
IDC Error ellipse: s-maj=825.9km s-min=163.4km az=78.0.
IDC X 11 13 46 01.0–54 15.71S 172.33W 0 4.1,3.9b
¶12066591
IDC Error ellipse: s-maj=1055.0km s-min=183.2km az=79.0.
IDC X 12 13 38 48.5–53 16.00S 172.67W 0 3.9,3.8b
¶12068467
IDC Error ellipse: s-maj=1017.0km s-min=195.6km az=79.0.
ISC X 12 14 25 26.1–5.1 16.68S–.09 172.95W–.09 8–33 3.9b,3.7s 31 3-174
IDC X 12 14 25 25.0–.74 16.61S 173.12W 0 4.2,4.0 ¶11369968
NEIC X 12 14 25 28.3–5.2 16.55S 173.16W 20–33 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=16.4km az=132.0.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=8.5km az=134.0.
IDC X 15 13 42 32.3–48 15.02S 170.73W 0 4.3,4.1b
¶12068685
IDC Error ellipse: s-maj=950.6km s-min=179.7km az=79.0.
IDC X 18 02 37 16.9–6.2 14.46S 174.48W 0 4.4,4.2b
¶12068946
IDC Error ellipse: s-maj=197.8km s-min=101.3km az=138.0.
IDC X 21 14 57 10.5–1.3 13.93S 173.63W 0 3.9,3.6b
¶12070738
IDC Error ellipse: s-maj=64.7km s-min=24.0km az=165.0.
IDC X 22 19 21 53.4–24 16.36S 172.26W 0 4.4,4.3b
¶12070823
IDC Error ellipse: s-maj=450.9km s-min=173.1km az=70.0.
ISC X 29 15 05 07.0–.82 14.9S–.20 173.6W–.20 35 3.9b 16 2-146
IDC X 29 15 05 02.6–3.0 15.30S 173.66W 0 4.2,3.9 ¶12071487
NEIC X 29 15 05 04.2–.86 15.02S 173.64W 10 4.2,3.9
ISCJB X 29 15 05 05.2–.71 14.9S–.20 173.6W–.10 33 3.9b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 29 21 45 06.2–.81 15.58S–.08 172.6W–.10 35 3.7b 18 2-147
ISCJB X 29 21 45 04.5–.78 15.56S–.09 172.7W–.10 33 3.7b ¶12071552
IDC X 29 21 45 04.7–2.1 15.65S 173.04W 0 4.2,3.9
NEIC X 29 21 45 05.6–3.1 15.62S 172.71W 25–27 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=8.0km az=31.2.
IDC Error ellipse: s-maj=124.1km s-min=28.2km az=150.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=10.7km az=99.0.
IDC X 30 21 44 22.3–7.9 15.75S 172.97W 0 3.8,3.6
¶12071673
IDC Error ellipse: s-maj=346.6km s-min=25.2km az=138.0.
IDC X 31 03 34 19.3–1.9 15.00S 173.54W 0 3.9,3.8
¶12071705
IDC Error ellipse: s-maj=113.4km s-min=21.0km az=152.0.
IDC X 31 13 04 42.4–48 16.56S 170.96W 0 4.6,4.5s
¶12071735
IDC Error ellipse: s-maj=942.0km s-min=175.0km az=80.0.
IDC XI 08 04 51 34.3–47 15.40S 171.50W 0 4.4,4.2b
¶12072786
IDC Error ellipse: s-maj=912.9km s-min=187.3km az=79.0.
ISC XI 10 04 30 39.2–.63 14.9S–.10 173.8W–.20 35 4.0s,3.9b 20 25-146
IDC XI 10 04 30 33.9–.72 14.90S 173.74W 0 4.1,4.0 ¶12073029
ISCJB XI 10 04 30 37.2–.63 14.9S–.10 173.8W–.20 33 4.0s,3.9b
NEIC XI 10 04 30 39.2–.59 14.95S 173.72W 35 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=18.6km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=26.6km s-min=15.5km az=40.2.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=15.6km az=129.0.
ISC XI 11 17 32 06.6–.98 16.5S–.20 172.8W–.20 35 4.4b,3.8s 14 22-147
NEIC XI 11 17 32 02.6–.69 16.46S 172.80W 10 4.5b,3.8s ¶12073197
IDC XI 11 17 32 02.1–2.0 16.29S 173.02W 0 4.5,4.4
ISCJB XI 11 17 32 04.3–.00 16.4S–.20 172.9W–.20 33 4.4b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 12 20 29 28.4–8.5 14.69S 174.35W 0 3.8,3.5b
¶12073343
IDC Error ellipse: s-maj=356.7km s-min=65.8km az=138.0.
IDC XI 13 01 24 34.4–52 15.32S 171.60W 0 3.9,3.7b
¶12073363
IDC Error ellipse: s-maj=1020.0km s-min=206.1km az=79.0.
IDC XI 17 19 45 16.7–.80 16.35S 172.76W 0 4.1,3.9
¶12073894
IDC Error ellipse: s-maj=42.0km s-min=21.0km az=148.0.
ISC XI 17 21 24 51.1–1.6 16.4S–.30 172.6W–.20 35 4.9b 25 35-95
IDC XI 17 21 24 47.7–39 17.23S 172.49W 0 5.0,4.9b ¶12073917
ISCJB XI 17 21 24 49.3–1.6 16.4S–.30 172.6W–.20 33 4.9b,4.9b
NEIC XI 17 21 24 51.4–1.5 16.61S 172.56W 35 4.7b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=741.2km s-min=90.5km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=47.3km s-min=26.3km az=3.2.
NEIC Event type se. Error ellipse: s-maj=49.2km s-min=24.5km az=5.0.
IDC XI 24 07 49 38.0–7.9 15.46S 172.86W 0 3.8,3.6
¶12074662
IDC Error ellipse: s-maj=335.0km s-min=20.9km az=137.0.
IDC XII 01 04 31 06.8–1.3 16.46S 172.05W 0 4.0,3.8
¶12075385
IDC Error ellipse: s-maj=43.9km s-min=26.8km az=134.0.
IDC XII 02 05 52 02.0–24 16.59S 172.34W 0 4.3,4.2b
¶12075478
IDC Error ellipse: s-maj=464.7km s-min=172.7km az=71.0.
ISC XII 06 02 55 09.1–.63 15.80S–.07 172.50W–.09 35 3.9b 24 2-83
IDC XII 06 02 55 04.5–.94 15.86S 172.67W 0 4.2,4.1 ¶11653400
ISCJB XII 06 02 55 06.8–.67 15.86S–.08 172.50W–.10 33 3.9b,4.1
NEIC XII 06 02 55 06.9–4.9 15.93S 172.51W 18–33 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=15.9km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=8.3km az=36.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=11.7km az=156.0.
ISC XII 06 20 48 36.5–1.6 15.0S–.20 172.5W–.20 54–15 4.0s,3.8b 19 1-153
IDC XII 06 20 48 27.3–1.2 15.51S 171.70W 0 4.0,3.9s ¶11653405
NEIC XII 06 20 48 36.0–1.6 14.95S 172.53W 53–12 3.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=19.0km az=123.0.
NEIC Event type se. Error ellipse: s-maj=38.4km s-min=11.7km az=138.0.
IDC XII 09 09 34 30.9–49 15.54S 171.41W 0 4.4,4.3b
¶12076508
IDC Error ellipse: s-maj=957.4km s-min=197.7km az=79.0.
IDC XII 12 07 50 08.0–24 16.80S 172.46W 0 4.3,4.1b
¶12077073
IDC Error ellipse: s-maj=448.4km s-min=164.2km az=71.0.
IDC XII 16 20 15 18.6–41 14.67S 175.47W 0 4.1,3.9b
¶12077798
IDC Error ellipse: s-maj=774.3km s-min=166.7km az=76.0.
IDC XII 23 05 24 10.5–1.7 15.96S 172.72W 0 4.0,3.9
¶12078629
IDC Error ellipse: s-maj=62.1km s-min=22.8km az=124.0.
ISC XII 24 10 08 15.5–6.6 16.8S–.10 172.4W–.20 7–40 4.0b 21 3-150
ISCJB XII 24 10 08 14.7–6.3 16.8S–.10 172.4W–.20 15–43 4.0b ¶12078796
IDC XII 24 10 08 14.6–1.2 16.78S 172.34W 0 4.2,4.0
NEIC XII 24 10 08 20.2–.72 16.66S 172.45W 35 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.8km s-min=11.5km az=34.5.
IDC Error ellipse: s-maj=51.1km s-min=18.7km az=137.0.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=9.3km az=139.0.

ISC XII 24 10 32 31.7–6.7 16.8S–.10 172.3W–.20 1–41 4.2b 17 3-148
ISCJB XII 24 10 32 31.5–5.5 16.8S–.10 172.3W–.20 11–34 4.1b ¶12078802
IDC XII 24 10 32 31.6–1.2 16.77S 172.32W 0 4.3,4.1b
NEIC XII 24 10 32 37.2–.79 16.64S 172.43W 35 4.7b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.6km s-min=11.7km az=28.5.
IDC Error ellipse: s-maj=50.5km s-min=18.9km az=138.0.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=10.9km az=136.0.
IDC XII 26 07 16 15.2–1.8 14.70S 173.94W 0 4.0,3.8
¶11613284
IDC Error ellipse: s-maj=113.3km s-min=25.0km az=151.0.
IDC XII 27 00 43 58.8–43 15.89S 172.02W 0 4.1,4.0b
¶12079116
IDC Error ellipse: s-maj=839.8km s-min=183.1km az=79.0.
IDC XII 27 17 21 39.0–49 15.00S 172.22W 0 4.0,3.8b
¶12079194
IDC Error ellipse: s-maj=964.3km s-min=177.6km az=78.0.
IDC XII 28 09 36 14.8–2.0 14.71S 173.94W 0 4.0,3.8
¶12079262
IDC Error ellipse: s-maj=120.5km s-min=23.8km az=149.0.
IDC XII 29 20 07 44.0–44 15.68S 170.48W 0 4.2,4.0b
¶12079443
IDC Error ellipse: s-maj=870.9km s-min=184.6km az=80.0.
IDC XII 31 23 40 55.6–6.8 16.96S 172.58W 0 4.0,3.7
¶12079715
IDC Error ellipse: s-maj=348.4km s-min=29.2km az=144.0.

(170) Samoa Islands.

IDC IX 13 22 57 31.1–8.0 14.53S 171.93W 0 4.1,3.8b
¶11910213
IDC Error ellipse: s-maj=353.3km s-min=34.1km az=138.0.
IDC X 14 14 26 00.2–49 14.73S 170.60W 0 4.5,4.3b
¶12068616
IDC Error ellipse: s-maj=962.7km s-min=179.7km az=79.0.
ISC XI 28 01 38 36.0–.70 14.7S–.20 172.8W–.20 35 5.0s,4.3b 16 1-146
ISCJB XI 28 01 38 34.3–.71 14.7S–.20 172.9W–.20 33 5.0s,4.3b ¶12075098
IDC XI 28 01 38 34.9–1.6 15.12S 173.25W 0 4.9s,4.9
NEIC XI 28 01 38 39.6–.88 15.07S 173.23W 35 4.9s,4.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.6km s-min=8.2km az=140.6.
IDC Error ellipse: s-maj=49.3km s-min=31.7km az=103.0.
NEIC Event type se. Error ellipse: s-maj=30.5km s-min=17.3km az=104.0.

(171) South of Fiji Islands.

ISC VII 01 15 13 42.7–.59 23.81S–.04 179.99E–.05 514–7 4.4b 341 6-169
MOS VII 01 15 13 40.4–1.3 23.46S 179.93E 470 4.7b ¶11006829
ISCJB VII 01 15 13 41.3–.66 23.71S–.04 179.95E–.05 507–7 4.4b
IDC VII 01 15 13 43.3–.67 23.64S 179.99E 521–6 4.2,4.1
SZGRF VII 01 15 13 44.8 23.78S 179.77W 545 4.2,4.1
NEIC VII 01 15 13 44.5–.20 23.56S 179.86E 535 4.6b,4.1
ISC Event type se.
MOS Error ellipse: s-maj=15.6km s-min=11.9km az=146.4.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.9km az=33.5.
IDC Error ellipse: s-maj=12.9km s-min=11.3km az=117.0.
SZGRF South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.9km az=146.0.
ISC VII 01 19 00 56.2–.89 26.28S–.10 179.5E–.10 489–15 4.1b 32 4-149
ISCJB VII 01 19 00 55.5–.94 26.31S–.08 179.5E–.10 496–15 4.1b ¶11799197
NEIC VII 01 19 00 55.9–.66 26.23S 179.49E 484–9 3.9b
IDC VII 01 19 00 57.5–1.9 26.39S 179.37E 490–21 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=12.6km az=3.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.9km az=122.0.
IDC Error ellipse: s-maj=35.6km s-min=18.4km az=170.0.
IDC VII 02 05 25 03.5–3.6 23.53S 179.31W 0 4.0,3.8b
¶12697937
IDC Error ellipse: s-maj=163.2km s-min=43.8km az=148.0.
ISC VII 02 17 07 40.2–1.4 24.5S–.40 179.9E–.20 500 4.1b 15 26-91
ISCJB VII 02 17 07 39.3–1.4 24.5S–.40 179.9E–.20 500 4.1b ¶11799284
IDC VII 02 17 07 39.8–3.0 24.56S 179.93E 496–25 3.7,3.5b
NEIC VII 02 17 07 39.9–1.4 24.62S 179.93E 500 4.3b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=57.8km s-min=21.6km az=161.7.
IDC Error ellipse: s-maj=85.5km s-min=25.5km az=162.0.
NEIC Event type se. Error ellipse: s-maj=99.7km s-min=21.9km az=164.0.
ISC VII 03 03 02 36.0–.35 23.51S–.02 179.74W–.02 562–4 5.6b 931 6-175
MOS VII 03 03 02 33.8–1.0 23.20S 179.73W 538 5.9b,5.0s ¶13379235
BJI VII 03 03 02 34.7 23.02S 179.48W 554 5.7b,5.5b
ISCJB VII 03 03 02 34.2–.38 23.42S–.02 179.78W–.02 551–4 5.6b,5.5b
SZGRF VII 03 03 02 35.9 23.08S 179.06W 560 5.6b,5.5b
IDC VII 03 03 02 37.4–.35 23.35S 179.79W 575–3 5.3,5.3
NEIC VII 03 03 02 37.6–.09 23.37S 179.78W 581 6.2W,6.2W
DJA VII 03 03 02 37 23.50S 179.31W 650 5.8W,6.2W
GCMT VII 03 03 02 41.3–.10 23.41S 179.69W 590–0 6.2W,6.2W
ISC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=7.3km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=144.9.
SZGRF South of Fiji Islands.
IDC Error ellipse: s-maj=7.2km s-min=7.1km az=128.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.5km az=151.0. Moment Tensor Solution. s60 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02 $M_{\theta\theta}$1.96 $M_{\phi\phi}$-0.94 $M_{r\theta}$1.72 $M_{\theta\phi}$0.04 $M_{\phi r}$0.39 Best double couple: NP1:ϕ_s253.00000°,δ72.00000°,λ-107.00000°. NP2:ϕ_s117.00000° ,δ25.00000°,λ-49.00000°. Principal axes: T 2.7600,Plg24.0000°,Azm356.0000° ; N -0.8300,Plg16.0000°,Azm258.0000°; P -1.9200,Plg59.0000°,Azm139.0000° M_o2.40000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s112,c285; s85,c128; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.27±.02 $M_{\theta\theta}$2.79±.02; $M_{\phi\phi}$-1.52±.03; $M_{r\theta}$1.60±.02; $M_{\theta\phi}$-0.38±.02; $M_{\phi r}$0.48±.02; Best double couple: NP1:ϕ_s134.00000°,δ41.00000°,λ-27.00000°. NP2:ϕ_s245.00000°,δ73.00000°,λ-128.00000°. Principal axes: T 3.3500,Plg19.0000° ,Azm3.0000°; N -1.0900,Plg36.0000°,Azm258.0000°; P -2.2700,Plg48.0000°,Azm115.0000° M_o2.80000×10^{18}
IDC VII 03 09 26 47.1–56 22.39S 177.89W 0 3.9,3.7
¶12697966
IDC Error ellipse: s-maj=1015.0km s-min=158.3km az=86.0.
IDC VII 03 20 40 18.2–3.7 24.32S 176.67W 0 4.2,4.0b
¶12697993
IDC Error ellipse: s-maj=222.2km s-min=54.8km az=163.0.
IDC VII 03 20 48 50.0–1.6 23.67S 177.90W 0 4.4,4.3
NEIC VII 03 20 48 54.9–1.1 23.62S 177.81W 35 4.3b,4.3 ¶11810548
IDC Error ellipse: s-maj=53.6km s-min=37.0km az=171.0.
NEIC Event type se. Error ellipse: s-maj=45.1km s-min=25.6km az=168.0.
ISC VII 03 21 52 50.1–1.5 22.59S–.09 177.7W–.20 258–19 3.9b 24 6-150
ISCJB VII 03 21 52 49.5–1.5 22.59S–.09 177.7W–.20 267–19 3.9b ¶11810554
IDC VII 03 21 52 50.2–3.2 22.63S 177.59W 262–30 3.7,3.6
NEIC VII 03 21 52 53.1–1.7 22.73S 177.46W 302–15 4.2b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.0km s-min=11.7km az=24.7.
IDC Error ellipse: s-maj=42.9km s-min=18.9km az=140.0.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=13.8km az=125.0.
ISC VII 04 02 28 29.1–1.1 23.4S–.20 179.9W–.20 500 4.1b 19 27-148
ISCJB VII 04 02 28 28.0–1.1 23.4S–.20 179.9W–.20 500 4.1b ¶11810578
IDC VII 04 02 28 30.6–3.4 23.41S 179.87W 519–33 3.8,3.6b
NEIC VII 04 02 28 37.8–4.7 23.43S 179.84E 604–54 4.1b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.3km s-min=19.0km az=1.7.
IDC Error ellipse: s-maj=29.2km s-min=23.7km az=16.0.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=23.6km az=73.0.
IDC VII 04 10 35 56.8–64 20.77S 179.37E 650–383 3.2,3.1b
¶12698003
IDC Error ellipse: s-maj=739.5km s-min=106.1km az=76.0.
IDC VII 05 00 35 38.0–16 25.20S 179.90W 369–141 3.5,3.4b
¶12698016
IDC Error ellipse: s-maj=121.5km s-min=26.5km az=44.0.
ISC VII 05 00 46 12.2–.78 23.92S–.06 179.79W–.04 476–9 4.6b 291 6-175
BJI VII 05 00 46 10.9 23.90S 179.80W 472 4.6b,4.6b ¶11009324
IDC VII 05 00 46 11.9–1.2 23.86S 179.74W 474–13 4.3,4.2
ISCJB VII 05 00 46 11.0–.74 23.85S–.05 179.85W–.04 472–8 4.6b,4.2
NEIC VII 05 00 46 13.5–.63 23.92S 179.82W 492–7 4.7b,4.2
BGS VII 05 00 46 15.9–2.7 23.92S 179.82W 492–0 4.7b,4.2
DJA VII 05 00 46 29 23.95S 179.37E 650 5.1b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=11.3km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.9km az=155.8.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.9km az=149.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VII 05 00 47 02.4–1.6 23.82S–.10 179.91W–.10 502–19 4.4b 43 12-151
ISCJB VII 05 00 47 01.4–1.8 23.85S–.10 179.93W–.10 503–22 4.4b ¶11810660
IDC VII 05 00 47 02.8–2.9 23.88S 179.84W 511–31 4.1,3.9b
NEIC VII 05 00 47 03.1–1.1 23.81S 179.88W 519–12 4.6b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=11.7km az=142.7.
IDC Error ellipse: s-maj=18.9km s-min=16.3km az=89.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.7km az=148.0.
ISC VII 05 18 33 42.9–1.2 23.3S–.10 179.9W–.10 624–19 3.9b 13 6-148
ISCJB VII 05 18 33 42.2–1.1 23.4S–.10 179.9W–.10 634–18 3.9b ¶11810725
NEIC VII 05 18 33 43.0–1.1 23.35S 179.84W 631–16 3.7b
IDC VII 05 18 33 43.4–2.5 23.37S 179.90W 626–39 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=18.1km az=141.8.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=16.7km az=154.0.
IDC Error ellipse: s-maj=50.8km s-min=18.7km az=169.0.
ISC VII 05 23 03 35.7–4.4 23.5S–.30 180.0E–.20 517–52 4.0b 12 15-150
IDC VII 05 23 03 35.7–3.1 23.49S 179.97E 517–30 3.6,3.4b ¶11810745
ISCJB VII 05 23 03 36.5–5.0 23.5S–.30 179.9E–.20 539–63 4.0b,3.4b
NEIC VII 05 23 03 36.9–2.9 23.54S 179.97E 536–33 4.3b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=25.2km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=43.9km s-min=23.1km az=27.0.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=15.3km az=206.0.
ISC VII 06 04 30 25.9–.14 25.53S–.04 176.26W–.03 39 5.5b,5.2s 739 4-177
IDC VII 06 04 30 19.4–.46 25.46S 176.24W 0 5.7L,5.2 ¶13388307
GCMT VII 06 04 30 23.7–.10 25.58S 175.88W 20–0 5.3W,5.2
SZGRF VII 06 04 30 24.7 25.48S 176.92W 40 5.5b,5.2
MOS VII 06 04 30 24.9–2.9 25.40S 176.25W 33 5.5b,5.2s
ISCJB VII 06 04 30 24.1–.13 25.53S–.04 176.29W–.03 37 5.5b,5.2s
NEIC VII 06 04 30 26.9–.11 25.46S 176.35W 49 5.5b,5.3s
BJI VII 06 04 30 26.3 25.17S 175.94W 53 5.5b,5.4b
BGS VII 06 04 30 26.9–5.0 25.46S 176.35W 49–0 5.5b,5.4b
DJA VII 06 04 30 42 25.86S 176.70W 166 5.3b,5.4b
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=11.7km az=160.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s70,c105; s99,c169; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s260.00000°,δ56.00000°,λ-150.00000°. NP2:ϕ_s152.00000° ,δ66.00000°,λ-38.00000°. Principal axes: T 1.1600,Plg6.0000°,Azm208.0000° ; N 0.1200,Plg46.0000°,Azm304.0000°; P -1.2800,Plg43.0000°,Azm112.0000° M_o1.20000×10^{17}
SZGRF South of Fiji Islands.
MOS Error ellipse: s-maj=10.4km s-min=7.4km az=59.9.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=152.7.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.2km az=146.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VII 06 10 47 04.5–.87 23.89S–.07 179.99W–.05 540–11 4.5b 384 6-169
BJI VII 06 10 47 00.5 23.60S 180.00E 508 4.7b,4.6b ¶11086376
IDC VII 06 10 47 02.8–1.1 23.53S 179.96W 519–11 4.2,4.0
NEIC VII 06 10 47 02.6–.72 23.56S 179.95E 508–9 4.5b,4.0
ISCJB VII 06 10 47 03.5–.81 23.82S–.06 179.96E–.05 537–10 4.5b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 07 19 23 56.2–22 24.58S 177.76E 695–201 3.2,3.1b
¶12698071
IDC Error ellipse: s-maj=218.9km s-min=118.6km az=119.0.
ISC VII 07 21 05 59.9–3.3 22.2S–.10 179.9E–.10 534–43 3.5b 14 19-147
ISCJB VII 07 21 05 59.5–3.0 22.3S–.10 179.9E–.10 544–40 3.5b ¶11810928
IDC VII 07 21 06 00.6–6.6 22.23S 179.89E 546–70 3.3,3.1
NEIC VII 07 21 06 01.5–2.1 22.22S 179.92E 559–25 3.8b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=15.7km az=159.4.
IDC Error ellipse: s-maj=74.0km s-min=29.6km az=158.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=11.9km az=160.0.
IDC VII 08 12 46 48.1–3.2 23.53S 179.98E 498–32 3.5,3.3b
¶12698085
IDC Error ellipse: s-maj=50.4km s-min=28.5km az=175.0.
IDC VII 08 19 35 21.5–4.4 23.56S 179.05W 0 4.4,4.2
¶12698089
IDC Error ellipse: s-maj=181.8km s-min=46.4km az=145.0.
ISC VII 08 21 18 49.8–1.1 23.62S–.07 179.9E–.10 526–14 4.2b 28 6-148
ISCJB VII 08 21 18 49.7–1.2 23.53S–.07 179.9E–.10 538–15 4.2b ¶11811020
IDC VII 08 21 18 49.6–2.0 23.48S 179.93E 525–20 3.8,3.6b
NEIC VII 08 21 18 50.4–.83 23.54S 179.91E 538–9 4.3b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=10.8km az=11.8.
IDC Error ellipse: s-maj=19.1km s-min=16.6km az=166.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.2km az=129.0.
ISC VII 09 08 32 25.8–1.1 22.28S–.08 179.6W–.10 591–12 4.3b 39 5-149
IDC VII 09 08 32 24.8–1.6 22.17S 179.58W 576–17 3.9,3.8 ¶11811065
ISCJB VII 09 08 32 25.0–1.0 22.23S–.07 179.6W–.10 595–12 4.3b,3.8
NEIC VII 09 08 32 25.2–.86 22.19S 179.58W 589–9 4.6b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=13.1km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=11.1km az=8.8.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=10.6km az=116.0.
ISC VII 09 14 10 54.4–1.1 24.68S–.08 179.2W–.20 378–14 3.5b 15 5-143
ISCJB VII 09 14 10 53.2–1.2 24.65S–.08 179.2W–.20 383–15 3.6b ¶11811084
IDC VII 09 14 10 53.2–2.6 24.56S 179.18W 372–27 3.5,3.4
NEIC VII 09 14 10 53.9–1.0 24.66S 179.06W 389–11 4.0b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.5km s-min=12.6km az=171.8.
IDC Error ellipse: s-maj=27.2km s-min=23.0km az=42.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=14.2km az=78.0.
ISC VII 09 17 32 00.7–.63 26.28S–.07 176.5W–.10 35 4.0b,3.7s 16 3-152
IDC VII 09 17 31 55.0–.72 26.41S 176.31W 0 5.3L,4.3 ¶13388589
NEIC VII 09 17 31 56.5–.50 26.25S 176.45W 10 4.5b,4.3
ISCJB VII 09 17 31 58.8–.63 26.30S–.07 176.5W–.10 33 4.0b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 10 09 09 24.6–.00 22.24S–.07 179.63W–.06 549–13 4.4b 92 5-171
SZGRF VII 10 09 08 27.6 20.73S 178.87W 33 4.4b ¶11342061
ISCJB VII 10 09 09 23.7–1.0 22.26S–.07 179.66W–.06 551–14 4.4b
IDC VII 10 09 09 24.7–1.6 22.23S 179.52W 557–18 4.0,3.8
NEIC VII 10 09 09 26.5–.62 22.32S 179.65W 577–7 4.5b,3.8
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=7.6km az=147.8.
IDC Error ellipse: s-maj=19.1km s-min=12.9km az=143.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.6km az=149.0.
IDC VII 10 20 32 44.6–8.2 26.16S 177.88W 139–73 3.2,3.1
¶12698123
IDC Error ellipse: s-maj=87.4km s-min=45.7km az=7.0.
IDC VII 11 10 04 36.7–3.6 24.75S 179.81E 483–33 3.7,3.5

NEIC VII 11 10 04 44.0–4.8 24.74S 179.56E 566–55 3.9b,3.5 ¶11811260
IDC Error ellipse: s-maj=91.1km s-min=21.8km az=160.0.
NEIC Event type se. Error ellipse: s-maj=86.3km s-min=28.0km az=165.0.
NEIC VII 11 17 56 38.4–7.5 23.03S 178.88W 190–71 4.6b
IDC VII 11 17 56 10.3–2.9 22.14S 177.99W 0 4.5,4.3b ¶11811278
NEIC Event type se. Error ellipse: s-maj=43.2km s-min=31.5km az=204.0.
IDC Error ellipse: s-maj=138.7km s-min=34.6km az=149.0.
ISC VII 11 21 39 08.0–1.1 24.1S–.10 179.6W–.30 539–28 4.5b 18 5-148
ISCJB VII 11 21 39 06.8–1.2 23.92S–.10 179.7W–.20 525–26 4.5b ¶11342151
NEIC VII 11 21 39 07.2–1.1 23.88S 179.89W 500–22 4.5b
IDC VII 11 21 39 10.0–2.9 24.17S 179.89E 510–30 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.8km s-min=13.9km az=11.1.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=15.9km az=118.0.
IDC Error ellipse: s-maj=36.1km s-min=24.2km az=33.0.
ISC VII 12 01 00 39.3–1.6 23.8S–.10 179.9E–.20 537–17 4.2b 17 6-151
ISCJB VII 12 01 00 37.3–1.6 23.6S–.10 179.9E–.20 533–17 4.2b ¶11811316
IDC VII 12 01 00 38.3–2.6 23.64S 179.97E 530–28 3.8,3.7
NEIC VII 12 01 00 38.0–1.3 23.63S 180.00E 533–14 4.6b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=17.7km az=156.1.
IDC Error ellipse: s-maj=31.8km s-min=19.8km az=10.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=14.1km az=197.0.
IDC VII 13 02 53 28.0–12 23.61S 179.91E 428–156 3.1,2.9
¶12698176
IDC Error ellipse: s-maj=453.4km s-min=45.3km az=167.0.
ISC VII 14 07 25 54.8–2.6 25.6S–.20 177.6W–.20 166–21 3.8b 17 4-150
NEIC VII 14 07 25 49.1–1.2 25.17S 177.16W 145–13 3.9b ¶11811542
ISCJB VII 14 07 25 54.1–2.6 25.6S–.20 177.6W–.20 175–21 3.8b
IDC VII 14 07 25 55.3–1.2 25.61S 177.55W 178–7 3.8,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=10.8km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=29.5km s-min=24.3km az=32.9.
IDC Error ellipse: s-maj=24.0km s-min=14.4km az=83.0.
ISC VII 15 14 44 09.0–1.5 22.8S–.20 179.6W–.20 567–20 4.1b 25 6-147
IDC VII 15 14 44 02.5–13 22.38S 179.43W 506–133 3.6,3.5b ¶11811661
ISCJB VII 15 14 44 08.6–1.5 22.8S–.10 179.7W–.20 571–18 4.1b,3.5b
NEIC VII 15 14 44 08.9–1.4 22.89S 179.76W 556–15 4.0b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=105.2km s-min=44.4km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=33.5km s-min=15.0km az=163.5.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=20.0km az=70.0.
IDC VII 15 20 17 26.9–4.3 23.72S 178.20W 0 4.3,4.1b
¶12698237
IDC Error ellipse: s-maj=208.3km s-min=48.3km az=145.0.
ISC VII 16 11 18 24.2–4.8 24.9S–.30 179.7E–.40 558–44 4.0b 11 14-148
IDC VII 16 11 18 19.7–7.1 24.54S 179.94W 531–67 3.3,3.2b ¶12698247
IDC Error ellipse: s-maj=56.8km s-min=28.7km az=48.0.
IDC VII 16 23 15 46.6–4.2 22.72S 179.14W 0 4.4,4.1b
¶12698263
IDC Error ellipse: s-maj=251.3km s-min=46.0km az=156.0.
ISC VII 18 04 09 12.6–4.4 23.9S–.20 179.9W–.20 561–57 4.0b 8 15-151
IDC VII 18 04 09 02.5–8.3 23.08S 179.80W 433–88 3.7,3.5b ¶11811905
NEIC VII 18 04 09 05.3–5.5 23.26S 179.79W 471–61 3.9b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=59.4km s-min=26.2km az=13.0.
NEIC Event type se. Error ellipse: s-maj=51.0km s-min=23.3km az=194.0.
NEIC VII 19 14 19 01.2–4.5 23.46S 179.88E 581–49 3.9b
IDC VII 19 14 18 56.3–8.1 23.51S 179.92W 523–84 3.4,3.2b ¶11812070
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=16.8km az=63.0.
IDC Error ellipse: s-maj=44.2km s-min=41.3km az=136.0.
ISC VII 21 08 56 36.2–4.0 23.9S–.20 180.0W–.10 551–53 3.9b 19 15-145
ISCJB VII 21 08 56 33.9–4.2 23.7S–.20 180.0E–.10 531–54 3.9b ¶11812252
IDC VII 21 08 56 33.4–2.6 23.73S 179.91W 514–30 3.6,3.5
NEIC VII 21 08 56 34.3–3.4 23.75S 179.93W 527–44 4.0b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=17.8km az=35.2.
IDC Error ellipse: s-maj=23.6km s-min=17.0km az=155.0.
NEIC Event type se. Error ellipse: s-maj=31.6km s-min=14.7km az=183.0.
ISC VII 21 12 13 09.3–1.5 22.4S–.20 179.6W–.20 573–17 4.0b 12 5-147
ISCJB VII 21 12 13 09.0–1.3 22.3S–.20 179.7W–.20 582–16 4.0b ¶11812264
NEIC VII 21 12 13 09.3–1.1 22.30S 179.56W 579–12 4.4b
IDC VII 21 12 13 10.1–7.8 22.32S 179.54W 585–100 3.4,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.2km s-min=19.0km az=140.2.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=13.8km az=139.0.
IDC Error ellipse: s-maj=75.8km s-min=26.6km az=178.0.
IDC VII 21 18 25 40.7–3.2 23.49S 179.99W 504–33 3.2,2.9b
NEIC VII 21 18 25 39.8–.74 23.46S 179.91W 500 4.1b,2.9b ¶11812294
IDC Error ellipse: s-maj=53.0km s-min=24.9km az=169.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=18.6km az=157.0.
ISC VII 22 08 34 32.5–3.8 24.7S–.20 179.9E–.20 518–45 4.1b 11 14-148
IDC VII 22 08 34 29.8–5.4 24.58S 179.95E 479–59 3.6,3.5 ¶12698380
ISCJB VII 22 08 34 30.9–4.2 24.5S–.20 179.8E–.20 513–49 4.1b,3.5
IDC VII 22 09 38 50.9–6.4 24.01S 179.95W 527–72 3.3,3.2b
¶12698381
IDC Error ellipse: s-maj=35.3km s-min=24.1km az=58.0.
IDC VII 22 10 38 48.1–2.8 23.66S 179.84E 510–31 3.5,3.3b
¶12698382
IDC Error ellipse: s-maj=39.1km s-min=21.0km az=160.0.
ISC VII 22 10 53 02.2–3.0 23.1S–.20 176.6W–.10 37–31 4.3b 17 16-170
ISCJB VII 22 10 53 00.3–3.9 23.0S–.20 176.6W–.10 36–38 4.3b ¶11812350
NEIC VII 22 10 53 01.5–.67 23.00S 176.56W 35 4.3b
IDC VII 22 10 53 02.9–4.9 23.00S 176.48W 49–45 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.7km s-min=16.7km az=157.6.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=13.1km az=165.0.
IDC Error ellipse: s-maj=28.5km s-min=20.3km az=7.0.
IDC VII 22 11 03 05.6–7.8 24.30S 179.26W 0 3.8,3.6b
¶12698383
IDC Error ellipse: s-maj=197.6km s-min=39.2km az=33.0.
ISC VII 22 15 54 15.6–.84 22.21S–.09 179.5W–.10 587–10 4.1b 36 5-149
ISCJB VII 22 15 54 14.8–.85 22.24S–.08 179.55W–.10 593–11 4.1b ¶11812371
IDC VII 22 15 54 15.8–1.9 22.23S 179.53W 592–25 3.7,3.6
NEIC VII 22 15 54 15.1–.76 22.17S 179.50W 584–9 4.5b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=11.2km az=16.5.
IDC Error ellipse: s-maj=26.1km s-min=13.5km az=156.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=12.1km az=124.0.
ISC VII 22 18 31 16.3–.65 22.18S–.07 179.51W–.07 582–6 4.3b 91 5-171
SZGRF VII 22 18 30 10.0 23.56S 177.75W 33 4.3b ¶11153570
IDC VII 22 18 31 15.6–1.9 22.09S 179.45W 570–22 3.8,3.8
ISCJB VII 22 18 31 15.7–.62 22.24S–.06 179.52W–.07 590–7 4.3b,3.8
NEIC VII 22 18 31 16.0–.60 22.17S 179.52W 583–7 4.4b,3.8
BGS VII 22 18 31 18.8–4.2 22.17S 179.52W 583–0 4.4b,3.8
MOS VII 22 18 31 18.0–3.1 21.93S 179.73W 580 4.5b,3.8
ISC Event type se.
SZGRF South of Fiji Islands.
IDC Error ellipse: s-maj=17.4km s-min=14.2km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=8.1km az=27.4.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.9km az=152.0.
BGS Error ellipse: s-maj=505.2km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=12.8km s-min=11.7km az=105.5.
IDC VII 23 02 28 38.1–2.6 22.81S 179.20E 0 4.2,4.0
¶12698395
IDC Error ellipse: s-maj=167.1km s-min=33.5km az=157.0.
IDC VII 23 12 16 08.2–9.7 22.24S 177.02W 268–90 3.4,3.3
¶12698401
IDC Error ellipse: s-maj=41.0km s-min=26.5km az=73.0.
IDC VII 24 16 27 48.9–9.9 24.55S 179.56W 381–93 3.6,3.4b
¶12698420
IDC Error ellipse: s-maj=45.2km s-min=43.0km az=149.0.
IDC VII 26 12 02 29.4–23 24.68S 179.66E 601–299 3.3,3.1b
¶12698442
IDC Error ellipse: s-maj=128.0km s-min=86.7km az=121.0.
ISC VII 27 09 43 58.0–2.0 22.0S–.10 176.3W–.20 114–27 4.4b 15 9-149
ISCJB VII 27 09 43 56.6–2.4 22.0S–.10 176.4W–.20 112–32 4.4b ¶12698453
IDC VII 27 09 43 57.7–3.5 21.99S 176.40W 108–32 4.1,4.0b
ISCJB Error ellipse: s-maj=38.6km s-min=16.1km az=24.2.
IDC Error ellipse: s-maj=46.8km s-min=19.5km az=124.0.
ISC VII 28 03 43 02.2–1.4 24.80S–.06 176.03W–.05 47–12 5.0s,4.9b 282 9-164
IDC VII 28 03 42 55.4–.56 24.60S 176.03W 0 4.8s,4.8 ¶11153852
ISCJB VII 28 03 42 59.3–1.7 24.79S–.06 176.06W–.05 36–15 5.0s,4.9b
GCMT VII 28 03 43 01.1–.20 24.71S 175.42W 22–0 5.3W,4.9b
BJI VII 28 03 43 01.5 24.57S 175.97W 49 5.6b,5.3b
MOS VII 28 03 43 02.9–1.5 24.60S 176.23W 59 5.2b,4.9s
NEIC VII 28 03 43 03.5–1.5 24.77S 176.13W 58–13 4.9b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=16.2km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.4km az=156.2.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s66,c108; s89,c155; Moment tensor: Scale 10^{17}Nm; M_{rr}1.00±.03 $M_{\theta\theta}$-0.04±.02; $M_{\phi\phi}$-0.96±.02; $M_{r\theta}$0.29±.03; $M_{\theta\phi}$-0.20±.01; $M_{\phi r}$0.73±.03; Best double couple: NP1:ϕ_s186.00000°,δ26.00000°,λ79.00000°. NP2:ϕ_s18.00000°,δ64.00000°,λ95.00000°. Principal axes: T 1.2800,Plg70.0000° ,Azm299.0000°; N -0.0100,Plg5.0000°,Azm195.0000°; P -1.2600,Plg19.0000° ,Azm104.0000° M_o1.30000×10^{17}
MOS Error ellipse: s-maj=12.7km s-min=11.1km az=133.2.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.3km az=132.0.
ISC VII 29 21 07 03.6–1.2 23.34S–.09 179.78W–.09 565–13 4.2b 55 6-170
ISCJB VII 29 21 07 02.0–1.1 23.45S–.07 179.77W–.08 561–13 4.2b ¶11342357
IDC VII 29 21 07 02.8–1.6 23.32S 179.70W 556–16 3.9,3.8
NEIC VII 29 21 07 03.7–.98 23.30S 179.77W 570–10 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=8.8km az=38.1.
IDC Error ellipse: s-maj=15.7km s-min=12.4km az=101.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.6km az=139.0.
ISC VII 30 04 16 12.2–1.3 25.67S–.08 179.5E–.20 497–17 3.6b 11 8-167
ISCJB VII 30 04 16 11.8–1.4 25.61S–.08 179.4E–.20 503–19 3.6b ¶11812897
NEIC VII 30 04 16 12.1–.98 25.68S 179.48E 503–11 3.7b
IDC VII 30 04 16 13.1–2.5 25.71S 179.46E 512–25 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=12.4km az=6.4.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=11.2km az=101.0.
IDC Error ellipse: s-maj=25.5km s-min=23.3km az=161.0.
ISC VII 30 21 37 22.4–2.5 26.3S–.10 177.4W–.10 83–23 4.2b 27 10-154
ISCJB VII 30 21 37 20.4–2.8 26.3S–.20 177.5W–.10 77–25 4.2b ¶11812965
IDC VII 30 21 37 23.4–7.3 26.30S 177.39W 92–55 4.1,4.0
NEIC VII 30 21 37 23.8–1.9 26.34S 177.40W 98–18 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=14.6km az=157.5.
IDC Error ellipse: s-maj=64.2km s-min=24.0km az=150.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=7.5km az=163.0.
IDC VII 31 11 01 06.0–6.3 23.60S 179.06E 652–80 3.4,3.2b
¶12698515
IDC Error ellipse: s-maj=37.0km s-min=26.8km az=75.0.
IDC VII 31 13 04 45.4–30 22.19S 176.61W 338–252 3.4,3.2b
¶12698519
IDC Error ellipse: s-maj=285.8km s-min=73.0km az=137.0.
ISC VII 31 23 20 14.2–.72 23.83S–.05 179.92E–.07 528–8 4.3b 70 6-148
IDC VII 31 23 20 12.1–2.0 23.76S 179.97W 506–20 3.9,3.7b ¶11813040
ISCJB VII 31 23 20 15.0–.83 23.80S–.05 179.84E–.07 550–10 4.3b,3.7b
NEIC VII 31 23 20 14.1–.56 23.77S 179.91E 528–6 4.4b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=18.0km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.1km az=35.8.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=142.0.
ISC VIII 01 07 01 03.2–.93 22.49S–.08 179.65W–.10 565–12 4.0b 33 5-171
ISCJB VIII 01 07 01 02.6–.95 22.40S–.07 179.74W–.10 569–13 4.0b ¶11907659
NEIC VIII 01 07 01 03.2–.83 22.41S 179.63W 568–10 4.5b
IDC VIII 01 07 01 06.1–2.6 22.38S 179.76W 593–29 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=10.3km az=27.1.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.8km az=136.0.
IDC Error ellipse: s-maj=18.6km s-min=14.8km az=1.0.
ISC VIII 03 12 36 22.9–.98 22.3S–.10 179.2W–.10 593–13 4.1b 28 5-150
ISCJB VIII 03 12 36 21.6–.80 22.34S–.08 179.2W–.10 597–13 4.1b ¶11907734
IDC VIII 03 12 36 21.9–2.2 22.24S 179.17W 577–27 3.6,3.5
NEIC VIII 03 12 36 23.0–.89 22.23S 179.28W 591–10 4.3b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=9.8km az=36.2.
IDC Error ellipse: s-maj=30.9km s-min=16.6km az=139.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.2km az=136.0.
ISC VIII 03 21 18 54.1–1.2 24.82S–.09 179.8E–.10 506–15 3.8b 25 7-133
ISCJB VIII 03 21 18 52.7–1.4 24.78S–.09 179.8E–.10 503–17 3.8b ¶11907746
NEIC VIII 03 21 18 55.2–1.1 24.84S 179.69E 519–14 4.2b
IDC VIII 03 21 18 58.9–9.9 24.72S 179.66E 560–116 3.5,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=13.9km az=12.2.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=12.1km az=114.0.
IDC Error ellipse: s-maj=42.6km s-min=23.6km az=94.0.
IDC VIII 04 02 17 18.8–2.1 23.45S 179.91W 0 4.2,4.0
¶12580916
IDC Error ellipse: s-maj=143.2km s-min=26.4km az=154.0.
ISC VIII 06 09 09 28.8–1.1 23.36S–.07 179.9W–.10 544–14 4.3b 34 6-147
IDC VIII 06 09 09 26.5–1.9 23.22S 179.80W 517–22 3.8,3.6 ¶11907819
ISCJB VIII 06 09 09 28.5–1.1 23.27S–.07 180.0W–.10 553–15 4.3b,3.6
NEIC VIII 06 09 09 28.8–.93 23.33S 179.88W 548–11 4.5b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=15.1km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=11.2km az=176.9.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.7km az=130.0.
ISC VIII 07 22 07 05.4–2.4 23.7S–.10 179.2E–.10 539–34 3.8b 20 15-148
NEIC VIII 07 22 07 06.0–1.4 23.70S 179.20E 548–18 4.0b ¶11907937
ISCJB VIII 07 22 07 06.1–2.3 23.7S–.10 179.2E–.10 568–35 3.8b
IDC VIII 07 22 07 08.1–18 23.69S 179.19E 571–183 3.4,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.4km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=15.7km az=158.0.
IDC Error ellipse: s-maj=135.4km s-min=53.5km az=102.0.
ISC VIII 11 18 40 09.9–1.4 24.80S–.09 176.96W–.09 112–13 4.5b 35 8-168
ISCJB VIII 11 18 40 08.8–1.6 24.82S–.09 176.99W–.09 116–14 4.5b ¶13391424
IDC VIII 11 18 40 08.1–4.8 24.61S 177.03W 94–41 4.3,4.2
NEIC VIII 11 18 40 10.0–1.3 24.78S 176.95W 115–11 4.8b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=11.8km az=149.9.
IDC Error ellipse: s-maj=25.7km s-min=19.0km az=148.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.7km az=150.0.
ISC VIII 12 06 58 27.8–1.1 23.75S–.08 179.9E–.10 520–14 4.0b 27 6-169
ISCJB VIII 12 06 58 27.9–1.2 23.66S–.07 179.8E–.10 529–15 4.0b ¶13391497
IDC VIII 12 06 58 27.1–2.6 23.60S 179.92E 510–27 3.7,3.6
NEIC VIII 12 06 58 28.4–.88 23.68S 179.87E 527–9 4.2b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=10.8km az=13.7.
IDC Error ellipse: s-maj=21.3km s-min=18.0km az=146.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.7km az=129.0.
ISC VIII 12 22 55 36.4–1.0 26.45S–.06 180.0W–.10 456–13 4.2b 27 9-149
ISCJB VIII 12 22 55 35.6–1.2 26.42S–.06 180.0W–.10 459–15 4.2b ¶13391588
IDC VIII 12 22 55 35.6–10 26.42S 179.93W 442–100 3.9,3.8b
NEIC VIII 12 22 55 36.6–.71 26.43S 179.98W 457–8 4.3b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=9.1km az=8.4.
IDC Error ellipse: s-maj=76.3km s-min=32.9km az=29.0.

NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.6km az=104.0.
ISC VIII 13 17 06 48.9–1.2 25.66S–.08 179.6E–.10 489–14 3.9b 16 8-167
ISCJB VIII 13 17 06 48.4–1.3 25.59S–.08 179.6E–.10 493–15 3.9b **¶13391656**
NEIC VIII 13 17 06 48.8–1.0 25.64S 179.66E 494–12 4.2b
IDC VIII 13 17 06 49.0–1.7 25.63S 179.65E 496–17 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=11.5km az=16.6.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=11.6km az=117.0.
IDC Error ellipse: s-maj=21.6km s-min=15.4km az=155.0.
IDC VIII 13 19 44 12.3–41 24.10S 176.39W 0 4.2,4.1b
¶12581066
IDC Error ellipse: s-maj=751.6km s-min=151.8km az=88.0.
ISC VIII 14 23 24 03.3–.88 24.79S–.05 179.78E–.09 472–10 4.1b 53 7-152
ISCJB VIII 14 23 24 04.9–.86 24.78S–.05 179.61E–.09 500–9 4.1b **¶13391764**
NEIC VIII 14 23 24 05.7–.96 24.84S 179.72E 505–10 4.4b
IDC VIII 14 23 24 06.0–1.2 24.82S 179.59E 498–11 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.9km az=9.6.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.6km az=106.0.
IDC Error ellipse: s-maj=14.3km s-min=13.5km az=155.0.
ISC VIII 15 10 40 29.1–.72 26.19S–.07 177.6W–.20 35 4.0b 25 13-167
ISCJB VIII 15 10 40 26.9–.73 26.22S–.06 177.6W–.20 33 4.0b **¶11908244**
NEIC VIII 15 10 40 31.6–1.5 25.94S 177.52W 60–15 4.0b
IDC VIII 15 10 40 32.0–3.6 25.87S 177.55W 58–31 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=5.4km az=16.7.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=13.0km az=119.0.
IDC Error ellipse: s-maj=29.8km s-min=20.6km az=126.0.
ISC VIII 15 17 14 14.5–4.0 23.6S–.20 179.4E–.20 463–43 4.1b 21 15-169
ISCJB VIII 15 17 14 14.0–5.3 23.6S–.20 179.4E–.20 473–56 4.1b **¶11908259**
NEIC VIII 15 17 14 13.8–4.3 23.52S 179.46E 471–43 4.1b
IDC VIII 15 17 14 25.5–2.7 24.08S 178.96E 588–31 3.2,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=42.6km s-min=18.0km az=141.2.
NEIC Event type se. Error ellipse: s-maj=42.3km s-min=17.7km az=49.0.
IDC Error ellipse: s-maj=29.1km s-min=18.4km az=170.0.
ISC VIII 18 01 04 12.8–1.1 23.07S–.10 179.8E–.10 531–14 3.9b 19 6-150
IDC VIII 18 01 04 09.2–4.2 22.97S 179.82E 485–49 3.6,3.5 **¶11908382**
ISCJB VIII 18 01 04 12.3–1.2 23.08S–.07 179.7E–.10 537–14 3.9b,3.5
NEIC VIII 18 01 04 12.5–.96 23.07S 179.77E 528–11 4.0b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=19.0km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=11.2km az=9.3.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=11.1km az=110.0.
ISC VIII 18 06 29 31.8–1.2 27.00S–.04 178.0W–.10 337–12 4.1b 29 10-151
ISCJB VIII 18 06 29 29.5–1.1 26.88S–.05 177.9W–.10 332–14 4.1b **¶11908386**
IDC VIII 18 06 29 32.0–4.1 26.55S 178.54W 306–36 4.0,3.9b
NEIC VIII 18 06 29 33.8–1.3 26.73S 178.27W 337–13 4.5b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=6.5km az=12.8.
IDC Error ellipse: s-maj=25.8km s-min=20.2km az=105.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=11.2km az=99.0.
ISC VIII 18 07 07 22.6–1.1 24.17S–.09 179.8W–.10 499–18 3.7b 12 7-169
IDC VIII 18 07 07 22.6–1.9 24.08S 179.93W 493–19 3.6,3.4 **¶11908387**
ISCJB VIII 18 07 07 23.2–1.2 24.08S–.09 179.9W–.10 513–19 3.8b,3.4
NEIC VIII 18 07 07 23.7–1.1 24.14S 179.87W 512–14 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=15.8km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=10.1km az=29.9.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=14.5km az=132.0.
ISC VIII 18 09 53 29.3–.45 19.77S–.03 179.92E–.03 526–5 5.1b 706 3-173
MOS VIII 18 09 53 27.6–.87 19.41S 179.89E 507 5.2b **¶11169842**
NEIC VIII 18 09 53 28.9–.52 19.74S 180.00W 528–5 5.2b
BGS VIII 18 09 53 28.8–6.6 19.74S 180.00E 528–0 5.2b
DJA VIII 18 09 53 28 19.77S 179.97W 518 5.2b
ISCJB VIII 18 09 53 28.5–.46 19.79S–.03 179.88E–.03 529–5 5.1b
BJI VIII 18 09 53 28.3 19.27S 179.81W 518 5.2b,4.9b
IDC VIII 18 09 53 30.9–1.6 19.67S 179.89E 542–16 4.8,4.8
GCMT VIII 18 09 53 33.2–.40 19.34S 179.92E 538–2 5.3W,4.8
SZGRF VIII 18 09 54 22.9 19.75S 179.05W 561 5.3W,4.8
ISC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=8.8km az=83.7.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.0km az=111.0.
BGS Error ellipse: s-maj=236.1km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=39.9.
IDC Error ellipse: s-maj=11.1km s-min=9.0km az=134.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c79; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56±.04 $M_{\theta\theta}$0.25±.06; $M_{\phi\phi}$0.31±.06; $M_{r\theta}$-1.17±.06; $M_{\theta\phi}$-0.22±.06; $M_{\phi r}$-0.10±.06; Best double couple: NP1:ϕ_s320.00000°,δ15.00000°,λ-42.00000°. NP2: ϕ_s91.00000°,δ80.00000°,λ-101.00000°. Principal axes: T 1.1000,Plg34.0000°,Azm191.0000° ; N 0.3200,Plg11.0000°,Azm93.0000°; P -1.4200,Plg54.0000°,Azm348.0000° M_o1.30000×10^{17}
SZGRF Fiji Islands region.
IDC VIII 18 10 19 42.5–2.7 20.92S 179.00E 0 3.9,3.6
¶12581168
IDC Error ellipse: s-maj=199.4km s-min=34.8km az=161.0.
IDC VIII 19 04 17 23.1–19 24.06S 179.91W 512–134 3.4,3.3b
¶12581190
IDC Error ellipse: s-maj=264.2km s-min=34.8km az=40.0.
IDC VIII 19 08 20 56.1–4.0 26.10S 176.96W 78–37 4.2,4.1
¶12581193
IDC Error ellipse: s-maj=48.4km s-min=25.9km az=126.0.
ISC VIII 20 19 47 11.6–1.2 24.9S–.20 176.2W–.20 35 4.0b 8 9-153
IDC VIII 20 19 47 06.0–4.0 24.85S 176.15W 0 4.3,4.1 **¶11908505**
NEIC VIII 20 19 47 07.2–.77 24.98S 176.11W 10 4.6b,4.1
ISCJB VIII 20 19 47 10.0–1.2 24.8S–.20 176.3W–.20 33 4.0b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 21 03 01 53.6–4.6 24.1S–.20 180.0W–.20 533–60 3.9b 11 14-148
IDC VIII 21 03 01 50.9–2.8 23.93S 179.94W 497–31 3.7,3.5 **¶11908516**
NEIC VIII 21 03 01 53.6–3.7 24.09S 179.96W 535–48 4.5b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=18.8km az=162.0.
NEIC Event type se. Error ellipse: s-maj=44.5km s-min=16.4km az=184.0.
IDC VIII 21 11 44 44.3–20 24.07S 179.92E 492–234 3.4,3.2b
¶12581261
IDC Error ellipse: s-maj=74.6km s-min=24.1km az=70.0.
ISC VIII 21 17 03 55.6–.90 25.70S–.04 177.76W–.05 163–8 4.7b 251 9-168
ISCJB VIII 21 17 03 54.7–.99 25.59S–.03 177.79W–.05 164–9 4.7b **¶11180604**
MOS VIII 21 17 03 58.3–2.1 25.00S 177.74W 192 5.2b
IDC VIII 21 17 03 58.2–1.9 25.12S 177.87W 181–16 4.4,4.4
NEIC VIII 21 17 03 59.9–.25 25.21S 177.78W 198 4.8b,4.4
GCMT VIII 21 17 04 02.3–.80 25.35S 177.66W 199–4 5.1W,4.4
BJI VIII 21 17 04 02.9 24.20S 178.09W 193 5.0b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.1km az=27.7.
MOS Error ellipse: s-maj=12.6km s-min=10.8km az=108.0.
IDC Error ellipse: s-maj=13.8km s-min=12.5km az=102.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.8km az=142.0.
GCMT Event type se. Data Used: IU II G IC. Moment Tensor Solution. s23,c26; Moment tensor: Scale 10^{16}Nm; M_{rr}2.26±.35 $M_{\theta\theta}$-5.03±.61; $M_{\phi\phi}$2.77±.55; $M_{r\theta}$-2.85±.44; $M_{\theta\phi}$0.69±.60; $M_{\phi r}$-2.41±.42; Best double couple: NP1:ϕ_s133.00000°,δ43.00000°,λ157.00000°. NP2: ϕ_s240.00000°,δ75.00000°,λ49.00000°. Principal axes: T 5.5200,Plg45.0000°,Azm109.0000° ; N 0.4900,Plg39.0000°,Azm252.0000°; P -6.0100,Plg19.0000°,Azm359.0000° M_o5.80000×10^{16}
IDC VIII 22 02 52 31.6–1.9 22.46S 179.41W 0 4.4,4.1b
¶12581282
IDC Error ellipse: s-maj=155.6km s-min=30.2km az=160.0.
ISC VIII 22 14 22 16.2–2.2 26.1S–.10 177.5W–.10 133–20 4.2b 32 9-167
IDC VIII 22 14 22 08.5–3.1 25.82S 177.58W 60–28 4.4,4.3 **¶11908588**
NEIC VIII 22 14 22 23.9–1.6 25.74S 177.79W 196–14 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=15.1km az=131.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=10.1km az=109.0.
IDC VIII 22 14 22 45.7–4.1 24.45S 178.28W 0 4.6,4.3
¶12581294
IDC Error ellipse: s-maj=233.4km s-min=33.3km az=157.0.
ISC VIII 22 18 07 21.7–.72 25.4S–.20 179.5E–.10 600 4.1b 16 20-168
IDC VIII 22 18 07 18.0–5.5 25.37S 179.53E 554–61 3.5,3.3b **¶13392342**
ISCJB VIII 22 18 07 20.4–.72 25.4S–.20 179.4E–.10 600 4.1b,3.3b
NEIC VIII 22 18 07 20.0–3.7 25.36S 179.46E 581–44 4.5b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=22.7km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=13.7km az=162.8.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=16.9km az=219.0.
ISC VIII 23 17 39 07.5–3.9 25.7S–.30 179.5E–.20 508–45 3.6b 8 13-148
ISCJB VIII 23 17 39 05.4–5.2 25.6S–.30 179.5E–.20 493–60 3.6b **¶13392411**
IDC VIII 23 17 39 06.8–5.4 25.48S 179.53E 505–57 3.3,3.1
NEIC VIII 23 17 39 08.0–3.6 25.72S 179.49E 527–40 4.0b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=49.1km s-min=31.7km az=20.8.
IDC Error ellipse: s-maj=35.9km s-min=23.3km az=41.0.
NEIC Event type se. Error ellipse: s-maj=36.1km s-min=30.1km az=203.0.
ISC VIII 23 19 40 01.1–4.8 25.7S–.20 179.9W–.40 439–46 3.9b 11 13-64
IDC VIII 23 19 39 54.9–11 25.40S 179.54W 392–102 3.7,3.6 **¶12581325**
IDC Error ellipse: s-maj=92.5km s-min=24.2km az=46.0.
IDC VIII 24 04 06 60.0–30 23.16S 176.14W 0 4.2,4.0b
¶12581332
IDC Error ellipse: s-maj=554.1km s-min=150.9km az=78.0.
IDC VIII 25 07 09 41.4–2.0 22.70S 179.69W 0 4.3,4.1b
¶12581373
IDC Error ellipse: s-maj=139.0km s-min=30.3km az=158.0.
IDC VIII 25 15 39 24.4–10 19.48S 178.57E 0 3.7,3.5
¶12581392
IDC Error ellipse: s-maj=304.5km s-min=63.6km az=133.0.
IDC VIII 25 18 07 59.8–20 23.27S 177.86W 308–179 3.5,3.4
¶12581399
IDC Error ellipse: s-maj=201.2km s-min=79.0km az=60.0.
IDC VIII 26 00 21 51.5–3.1 22.76S 176.30W 0 3.9,3.7
¶12581411
IDC Error ellipse: s-maj=240.6km s-min=35.2km az=161.0.
ISC VIII 26 08 23 03.3–.93 25.44S–.05 179.53E–.06 485–11 4.3b 283 8-166
BJI VIII 26 08 23 01.1 25.32S 179.65E 476 5.0b,4.7b **¶13392636**
ISCJB VIII 26 08 23 02.4–1.0 25.38S–.04 179.49E–.06 483–12 4.3b,4.7b
NEIC VIII 26 08 23 02.3–.90 25.29S 179.60E 476–10 4.4b,4.7b
IDC VIII 26 08 23 05.4–1.3 25.29S 179.44E 511–13 3.9,3.9
BGS VIII 26 08 23 05.7–2.7 25.29S 179.60E 476–0 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.5km az=14.1.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.4km az=144.0.
IDC Error ellipse: s-maj=13.8km s-min=10.5km az=164.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VIII 26 10 08 54.7–2.2 26.4S–.20 178.3W–.50 343–54 3.2b 14 12-44
ISCJB VIII 26 10 08 53.4–2.5 26.4S–.20 178.1W–.30 360–49 3.2b **¶12581432**
IDC VIII 26 10 08 59.1–5.5 26.71S 177.35W 480–316 3.4,3.3
ISCJB Error ellipse: s-maj=54.5km s-min=9.5km az=26.8.
IDC Error ellipse: s-maj=345.3km s-min=25.1km az=113.0.
IDC VIII 26 10 36 03.3–17 23.03S 179.71E 634–231 3.1,2.9b
¶12581433
IDC Error ellipse: s-maj=108.6km s-min=81.5km az=156.0.
ISC VIII 26 23 44 23.5–1.8 22.36S–.07 177.40W–.09 216–18 4.0b 36 10-145
ISCJB VIII 26 23 44 21.1–1.6 22.36S–.07 177.41W–.09 208–16 4.0b **¶11908887**
IDC VIII 26 23 44 23.7–3.6 22.36S 177.39W 217–34 3.8,3.6
NEIC VIII 26 23 44 24.2–1.2 22.35S 177.38W 225–11 4.5b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=10.0km az=25.9.
IDC Error ellipse: s-maj=41.8km s-min=15.7km az=148.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.6km az=114.0.
ISC VIII 27 10 49 43.9–1.6 22.4S–.10 179.2W–.30 577–13 3.8b 13 5-144
IDC VIII 27 10 49 38.0–7.8 21.99S 179.18W 502–90 3.5,3.4b **¶11908920**
ISCJB VIII 27 10 49 44.3–1.6 22.34S–.10 179.3W–.30 593–12 3.8b,3.4b
NEIC VIII 27 10 49 44.6–1.4 22.32S 179.30W 584–13 3.7b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=39.7km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=39.2km s-min=14.5km az=173.5.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=19.0km az=105.0.
ISC VIII 29 17 39 49.4–1.5 23.77S–.08 179.8W–.10 468–20 4.1b 31 12-148
IDC VIII 29 17 39 47.8–3.2 23.68S 179.82W 443–38 3.7,3.4b **¶11909083**
ISCJB VIII 29 17 39 48.7–1.9 23.70S–.08 179.85W–.10 473–24 4.1b,3.4b
NEIC VIII 29 17 39 49.1–1.4 23.69S 179.84W 461–18 4.1b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=17.6km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=12.2km az=18.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=12.8km az=148.0.
ISC VIII 29 19 09 53.8–3.1 25.5S–.30 179.9E–.10 550–36 3.7b 10 31-144
ISCJB VIII 29 19 09 53.2–3.0 25.5S–.30 179.8E–.10 554–37 3.7b **¶11909088**
NEIC VIII 29 19 09 54.6–1.3 24.91S 179.68E 550 3.7b
IDC VIII 29 19 09 54.1–2.6 24.34S 179.58E 538–33 3.3,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=48.2km s-min=20.1km az=3.4.
NEIC Event type se. Error ellipse: s-maj=73.6km s-min=17.7km az=159.0.
IDC Error ellipse: s-maj=92.0km s-min=19.7km az=166.0.
ISC VIII 29 19 30 29.6–1.8 26.3S–.10 178.4E–.20 603–17 4.1b 28 10-147
IDC VIII 29 19 30 26.3–3.9 26.29S 178.50E 564–42 3.5,3.4b **¶11909089**
NEIC VIII 29 19 30 29.1–2.3 26.38S 178.45E 604–28 4.5b,3.4b
ISCJB VIII 29 19 30 30.3–1.8 26.4S–.10 178.3E–.20 629–19 4.1b,3.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 30 19 48 11.1–4.1 23.78S 177.03W 0 4.0,3.8b
¶12581577
IDC Error ellipse: s-maj=143.7km s-min=61.5km az=148.0.
ISC VIII 31 11 29 55.6–2.2 22.37S–.09 177.9W–.10 330–22 4.1b 44 6-162
SZGRF VIII 31 11 29 17.9 23.27S 178.28W 33 4.1b **¶11783409**
IDC VIII 31 11 29 51.4–2.8 22.23S 177.84W 287–27 3.9,3.8
NEIC VIII 31 11 29 56.2–1.3 22.37S 177.90W 338–12 4.4b,3.8
ISC Event type se.
SZGRF South of Fiji Islands.
IDC Error ellipse: s-maj=29.5km s-min=12.2km az=147.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.2km az=121.0.
ISC VIII 31 23 15 00.4–1.2 22.07S–.08 176.5W–.10 366–12 3.6b 26 7-150
IDC VIII 31 23 14 50.8–21 21.61S 176.50W 261–173 3.6,3.3b **¶11909188**
ISCJB VIII 31 23 14 59.4–1.2 22.10S–.09 176.5W–.10 369–12 3.6b,3.3b
NEIC VIII 31 23 15 00.4–.97 22.06S 176.45W 366–9 3.9b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=190.0km s-min=48.5km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=12.7km az=34.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.1km az=121.0.
ISC IX 01 04 00 39.5–.12 25.46S–.04 177.68W–.02 170 5.7b 961 9-170
MOS IX 01 04 00 34.5–.87 25.31S 177.61W 138 5.7b,5.5s **¶13393103**
ISCJB IX 01 04 00 37.8–.12 25.46S–.04 177.73W–.02 168 5.7b,5.5s
IDC IX 01 04 00 37.0–.87 25.34S 177.62W 149–6 5.5,5.5
DJA IX 01 04 00 37 25.51S 177.46W 161 6.1W,5.5
BJI IX 01 04 00 38.1 25.12S 177.76W 162 6.0b,5.7b
NEIC IX 01 04 00 39.4–.09 25.39S 177.64W 171 6.0W,6.0W
GCMT IX 01 04 00 40.8–.10 25.51S 177.25W 172–0 6.0W,6.0W
ISC Event type se.
MOS Error ellipse: s-maj=10.7km s-min=9.6km az=168.8.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.5km az=163.7.
IDC Error ellipse: s-maj=9.7km s-min=8.5km az=32.0.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=159.0. Moment Tensor Solution. s53 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00

Best double couple: NP1:ϕ_s130.00000°,δ14.00000°,λ177.00000°. NP2:ϕ_s223.00000°,δ89.00000°,λ76.00000°. Principal axes: T 1.1000,Plg44.0000°,Azm119.0000°; N 0.2700,Plg14.0000°,Azm223.0000°; P -1.3700,Plg42.0000°,Azm326.0000° $M_0$1.30000×10^{18}

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=118, comp=259, per= 50. Moment Tensor Solution. s109,c249; s81,c114; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s109.00000°,δ15.00000°,λ159.00000°. NP2:ϕ_s220.00000°,δ85.00000°,λ76.00000°. Principal axes: T 1.0800,Plg49.0000°,Azm115.0000°; N 0.2500,Plg14.0000°,Azm221.0000°; P -1.3300,Plg38.0000°,Azm323.0000° $M_0$1.20000×10^{18}

ISC IX 01 06 14 26.4–.85 23.39S–.06 179.93W–.04 546–10 4.7b 337 6-170
DJA IX 01 06 14 17 23.27S 179.07W 517 5.0b **¶11227347**
ISCJB IX 01 06 14 26.0–.83 23.41S–.05 179.97W–.04 555–10 4.7b
NEIC IX 01 06 14 26.7–.75 23.37S 179.89W 553–8 4.8b
IDC IX 01 06 14 28.0–.62 23.29S 179.95W 566–7 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=156.9.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.9km az=142.0.
IDC Error ellipse: s-maj=12.0km s-min=8.9km az=153.0.
ISC IX 01 22 36 43.2–1.3 24.45S–.10 179.94W–.09 561–17 3.8b 24 13-149
ISCJB IX 01 22 36 43.0–1.4 24.44S–.10 179.96W–.09 573–19 3.8b **¶11909248**
IDC IX 01 22 36 43.5–8.1 24.49S 179.96W 564–87 3.4,3.2
NEIC IX 01 22 36 43.3–.88 24.45S 179.93W 563–11 4.0b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=12.9km az=167.7.
IDC Error ellipse: s-maj=63.4km s-min=44.0km az=161.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.5km az=166.0.
ISC IX 02 15 30 13.9–1.6 23.72S–.09 179.4W–.20 432–18 3.4b 11 6-148
IDC IX 02 15 30 11.2–7.2 23.19S 179.39W 399–74 3.4,3.2 **¶11909288**
ISCJB IX 02 15 30 13.6–1.6 23.66S–.10 179.4W–.20 438–19 3.4b,3.2
NEIC IX 02 15 30 14.5–1.3 23.59S 179.41W 439–14 4.6b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=62.5km s-min=28.2km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=28.7km s-min=15.0km az=178.8.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=16.8km az=100.0.
IDC IX 03 07 31 60.0–7.1 23.88S 178.39W 0 4.3,4.1b
¶11909349
IDC Error ellipse: s-maj=179.2km s-min=40.4km az=33.0.
IDC IX 05 10 58 58.9–30 22.48S 178.25W 0 4.0,3.8b
¶11909520
IDC Error ellipse: s-maj=576.7km s-min=151.6km az=91.0.
ISC IX 06 02 47 41.1–3.3 24.5S–.10 179.8W–.10 451–39 4.0b 25 14-169
ISCJB IX 06 02 47 40.5–4.1 24.4S–.10 179.9W–.20 456–46 4.0b **¶11909578**
NEIC IX 06 02 47 42.1–2.6 24.42S 179.81W 468–29 4.5b
IDC IX 06 02 47 43.5–2.2 24.36S 179.88W 476–20 3.7,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=15.0km az=150.7.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=16.0km az=206.0.
IDC Error ellipse: s-maj=20.1km s-min=18.9km az=109.0.
IDC IX 06 02 51 17.3–1.5 22.51S 176.01W 0 4.0,3.8b
¶11909579
IDC Error ellipse: s-maj=63.7km s-min=34.9km az=165.0.
ISC IX 06 12 42 37.5–1.4 25.2S–.10 179.6E–.20 494–19 3.3b 12 8-91
ISCJB IX 06 12 42 36.5–1.5 25.2S–.10 179.6E–.20 494–20 3.3b **¶11909603**
NEIC IX 06 12 42 37.4–1.0 25.15S 179.62E 495–14 3.3b
IDC IX 06 12 42 38.1–7.3 25.18S 179.61E 505–91 3.2,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=17.9km az=21.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=12.8km az=110.0.
IDC Error ellipse: s-maj=49.0km s-min=23.0km az=17.0.
IDC IX 06 14 21 37.3–29 23.02S 176.54W 0 3.9,3.7
¶11909610
IDC Error ellipse: s-maj=553.5km s-min=156.2km az=92.0.
IDC IX 07 10 30 34.5–8.7 24.42S 179.55E 535–80 3.6,3.4b
¶11909722
IDC Error ellipse: s-maj=86.5km s-min=24.3km az=42.0.
ISC IX 08 00 51 53.9–1.4 24.05S–.09 179.92W–.09 508–20 3.9b 31 13-93
ISCJB IX 08 00 51 53.2–1.6 23.92S–.09 179.99E–.09 507–22 4.0b **¶11909770**
IDC IX 08 00 51 53.4–2.8 23.83S 179.97W 496–32 3.6,3.4
NEIC IX 08 00 51 54.0–1.1 23.97S 179.94W 511–15 4.4b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=10.7km az=139.6.
IDC Error ellipse: s-maj=45.8km s-min=18.8km az=161.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.1km az=155.0.
ISC IX 09 10 21 52.5–4.4 25.0S–.20 179.9E–.20 457–53 3.7b 12 13-148
IDC IX 09 10 21 46.6–8.1 24.71S 179.89E 387–86 3.7,3.4b **¶11909869**
ISCJB IX 09 10 21 47.2–5.7 24.8S–.20 179.9E–.20 408–62 3.6b,3.4b
NEIC IX 09 10 21 50.1–5.5 24.81S 179.86E 428–66 3.8b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=26.3km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=29.3km s-min=20.7km az=40.3.
NEIC Event type se. Error ellipse: s-maj=58.5km s-min=17.1km az=184.0.
ISC IX 09 14 58 04.9–1.0 24.03S–.08 179.5W–.10 483–23 3.5b 15 7-43
ISCJB IX 09 14 58 04.6–1.2 23.97S–.08 179.7W–.10 482–23 3.5b **¶11909879**
NEIC IX 09 14 58 05.5–.91 23.97S 179.66W 481–22 3.5b
IDC IX 09 14 58 07.0–4.1 24.02S 179.26W 540–117 3.2,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=11.2km az=23.9.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=15.0km az=91.0.
IDC Error ellipse: s-maj=75.9km s-min=23.4km az=95.0.
ISC IX 10 18 30 47.5–1.6 25.9S–.10 179.9W–.20 464–32 3.9b 20 13-149
ISCJB IX 10 18 30 46.4–2.2 25.9S–.10 180.0E–.20 462–37 3.9b **¶11909979**
IDC IX 10 18 30 46.4–3.2 25.89S 179.95E 441–39 3.7,3.6
NEIC IX 10 18 30 46.6–1.2 25.92S 179.97W 450–22 4.4b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=13.4km az=20.3.
IDC Error ellipse: s-maj=26.9km s-min=20.8km az=115.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=11.8km az=120.0.
ISC IX 11 16 38 10.7–.93 24.37S–.06 179.84E–.06 516–10 4.3b 106 7-151
IDC IX 11 16 38 09.5–1.4 24.27S 179.93E 504–13 4.0,3.9 **¶11910052**
ISCJB IX 11 16 38 10.4–1.0 24.31S–.06 179.76E–.06 523–12 4.3b,3.9
NEIC IX 11 16 38 10.3–.78 24.30S 179.88E 517–8 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=12.1km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=7.0km az=145.8.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.6km az=149.0.
IDC IX 13 12 34 45.4–58 20.04S 179.90E 0 4.2,4.0b
¶11910181
IDC Error ellipse: s-maj=1046.0km s-min=157.1km az=81.0.
IDC IX 13 23 00 29.1–42 24.26S 177.98W 0 3.8,3.6b
¶11910214
IDC Error ellipse: s-maj=775.0km s-min=150.7km az=88.0.
ISC IX 14 20 18 51.7–1.2 23.73S–.04 177.32W–.04 183–10 5.1b 238 7-177
ISCJB IX 14 20 18 47.1–1.4 23.69S–.05 177.38W–.04 154–13 5.1b **¶11277551**
MOS IX 14 20 18 48.2–1.1 23.48S 177.37W 155 5.1b
IDC IX 14 20 18 48.7–1.4 23.55S 177.30W 154–10 4.7,4.7
BJI IX 14 20 18 52.2 23.24S 176.88W 200 5.2b,5.0b
SZGRF IX 14 20 18 52.7 23.26S 173.85W 188 5.2b,5.0b
GCMT IX 14 20 18 53.5–.10 23.73S 176.87W 190–0 5.5W,5.0b
NEIC IX 14 20 18 53.6–.91 23.61S 177.33W 199–7 4.9b,5.0b
BGS IX 14 20 18 56.2–4.8 23.61S 177.33W 199–0 4.9b,5.0b
DJA IX 14 20 19 05 23.76S 177.72W 292 5.5b,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.9km az=150.8.
MOS Error ellipse: s-maj=11.1km s-min=10.2km az=25.3.
IDC Error ellipse: s-maj=13.2km s-min=11.7km az=150.0.
SZGRF Tonga Islands region.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 100 sta. Moment Tensor Solution. s89,c159; s99,c191; Moment tensor: Scale 10^{17}Nm; M_{rr}0.61±.02 $M_{\theta\theta}$-1.90±.03; $M_{\phi\phi}$1.28±.03; $M_{r\theta}$0.31±.02; $M_{\theta\phi}$0.40±.03; $M_{\phi r}$0.85±.02; Best double couple: NP1:ϕ_s317.00000°,δ63.00000°,λ158.00000°. NP2:ϕ_s57.00000°,δ70.00000°,λ29.00000°. Principal axes: T 1.9300,Plg34.0000°,Azm279.0000°; N 0.0400,Plg55.0000°,Azm88.0000°; P -1.9700,Plg5.0000°,Azm186.0000° $M_0$2.00000×10^{17}

NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.7km az=146.0.
BGS Error ellipse: s-maj=557.0km s-min=999.9km az=-1.0.
IDC IX 15 03 47 15.8–8.8 23.36S 179.30E 560–116 3.5,3.3b
¶11910309
IDC Error ellipse: s-maj=87.8km s-min=28.9km az=4.0.
ISC IX 15 05 34 28.9–1.4 23.6S–.10 179.2E–.10 445–17 4.0b 27 6-169
ISCJB IX 15 05 34 24.5–1.4 23.58S–.09 179.27E–.09 409–17 3.9b **¶11910317**
IDC IX 15 05 34 27.6–1.6 23.59S 179.29E 431–16 3.9,3.8
NEIC IX 15 05 34 33.2–1.2 23.83S 179.07E 493–14 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=9.5km az=138.0.
IDC Error ellipse: s-maj=16.2km s-min=11.5km az=170.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=15.0km az=117.0.
ISC IX 15 05 34 39.0–1.2 24.01S–.09 179.81E–.09 525–13 4.3b 41 6-93
ISCJB IX 15 05 34 38.3–1.2 24.01S–.09 179.77E–.09 528–14 4.3b **¶11910318**
IDC IX 15 05 34 38.2–21 23.99S 179.75E 506–179 4.0,3.9b
NEIC IX 15 05 34 39.1–.89 24.01S 179.83E 531–10 4.5b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=10.8km az=137.7.
IDC Error ellipse: s-maj=184.3km s-min=34.3km az=107.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.7km az=136.0.
ISC IX 16 08 05 15.1–.16 26.54S–.04 177.49W–.05 177 4.7b 205 10-167
ISCJB IX 16 08 05 13.4–.14 26.59S–.03 177.51W–.04 175 4.7b **¶11277596**
IDC IX 16 08 05 15.6–.58 25.97S 177.56W 178–5 4.5,4.5
NEIC IX 16 08 05 18.2–1.2 25.99S 177.64W 199–11 4.6b,4.5
DJA IX 16 08 05 57 26.28S 179.39W 526 5.2b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=2.5km az=30.4.
IDC Error ellipse: s-maj=13.7km s-min=11.0km az=165.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.5km az=138.0.
ISC IX 16 10 28 04.4–1.9 25.02S–.08 177.3W–.10 159–17 4.0b 32 8-168
IDC IX 16 10 27 58.8–2.6 24.82S 177.25W 114–22 4.1,4.0 **¶11910392**
ISCJB IX 16 10 28 02.6–3.3 25.0S–.10 177.4W–.10 155–30 4.0b,4.0
NEIC IX 16 10 28 03.8–1.9 25.04S 177.25W 161–17 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=14.5km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=18.2km az=39.2.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=11.4km az=98.0.
ISC IX 16 14 21 03.0–1.0 25.05S–.08 179.8W–.20 531–26 3.8b 16 8-144
IDC IX 16 14 21 01.3–3.1 24.77S 179.83E 479–46 3.4,3.4 **¶11910403**
ISCJB IX 16 14 21 03.2–1.1 24.94S–.09 179.9W–.20 548–30 3.8b,3.4
NEIC IX 16 14 21 03.4–1.2 24.99S 179.98E 514–21 4.3b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=26.6km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=31.6km s-min=13.2km az=179.5.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=16.8km az=107.0.
ISC IX 16 15 27 58.9–.97 24.60S–.06 180.0W–.10 469–14 3.9b 34 7-93
ISCJB IX 16 15 27 58.5–1.4 24.53S–.06 179.90E–.10 470–19 3.9b **¶11910408**
IDC IX 16 15 27 59.3–2.0 24.52S 179.96E 472–23 3.6,3.5
NEIC IX 16 15 28 00.2–1.1 24.59S 179.98W 487–15 4.1b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=7.7km az=18.3.
IDC Error ellipse: s-maj=19.3km s-min=14.6km az=134.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=12.5km az=121.0.
ISC IX 16 17 50 07.8–1.1 24.30S–.09 179.9W–.10 486–13 3.9b 30 7-151
ISCJB IX 16 17 50 07.0–1.2 24.30S–.09 180.0W–.10 489–14 3.9b **¶11910415**
IDC IX 16 17 50 07.2–1.8 24.22S 179.91W 478–19 3.7,3.6
NEIC IX 16 17 50 07.6–.92 24.28S 179.92W 490–11 4.3b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=12.6km az=30.2.
IDC Error ellipse: s-maj=18.6km s-min=14.3km az=125.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.4km az=120.0.
IDC IX 17 05 13 58.5–2.9 25.04S 179.09W 0 4.3,4.1b
¶11910453
IDC Error ellipse: s-maj=225.0km s-min=33.5km az=166.0.
IDC IX 18 10 47 46.4–56 20.36S 179.62E 0 3.8,3.6b
¶11910547
IDC Error ellipse: s-maj=998.3km s-min=154.4km az=82.0.
IDC IX 19 17 51 43.4–9.8 24.15S 177.08W 0 4.1,3.9b
¶11910639
IDC Error ellipse: s-maj=320.0km s-min=98.6km az=142.0.
ISC IX 19 18 34 20.6–2.4 23.88S–.06 176.02W–.04 21–16 5.1b,4.6s 338 6-169
IDC IX 19 18 34 17.1–.50 23.87S 176.20W 0 5.0,5.0 **¶11280409**
ISCJB IX 19 18 34 18.0–2.3 23.90S–.06 176.04W–.04 15–15 5.1b,4.6s
NEIC IX 19 18 34 17.9–3.0 23.89S 175.93W 8–18 5.2b,4.6s
BJI IX 19 18 34 20.8 23.90S 175.90W 40 5.5b,5.3b
SZGRF IX 19 18 34 21.4 24.10S 175.50W 33 5.5b,5.3b
MOS IX 19 18 34 21.7–1.3 23.63S 176.01W 33 5.4b,5.3b
GCMT IX 19 18 34 22.5–.20 23.96S 175.33W 22–0 5.2W,5.3b
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=12.8km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.6km az=161.1.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.6km az=146.0.
SZGRF South of Tonga Islands.
MOS Error ellipse: s-maj=12.3km s-min=10.7km az=91.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s58,c86; s78,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}6.02±.21 $M_{\theta\theta}$-0.74±.14; $M_{\phi\phi}$-5.28±.14; $M_{r\theta}$1.65±.25; $M_{\theta\phi}$-1.93±.10; $M_{\phi r}$3.78±.20; Best double couple: NP1:ϕ_s198.00000°,δ28.00000°,λ87.00000°. NP2:ϕ_s22.00000°,δ62.00000°,λ92.00000°. Principal axes: T 7.3000,Plg73.0000°,Azm296.0000°; N -0.0400,Plg2.0000°,Azm201.0000°; P -7.2700,Plg17.0000°,Azm111.0000° $M_0$7.30000×10^{16}
NEIC IX 21 03 11 13.0–1.4 23.84S 179.68W 467–25 3.9b
IDC IX 21 03 11 10.9–3.5 23.78S 179.95W 415–42 3.8,3.7b **¶11910747**
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=14.5km az=116.0.
IDC Error ellipse: s-maj=32.0km s-min=26.1km az=123.0.
ISC IX 21 07 11 05.5–.93 22.08S–.10 179.57W–.09 551–12 4.3b 49 5-162
ISCJB IX 21 07 11 05.3–.98 22.13S–.09 179.62W–.09 563–14 4.3b **¶11282354**
IDC IX 21 07 11 05.9–1.7 22.26S 179.48W 569–18 3.9,3.9
NEIC IX 21 07 11 06.9–.79 22.26S 179.47W 581–9 4.5b,3.9
SZGRF IX 21 07 11 06.6 21.94S 177.87W 33 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=8.1km az=141.2.
IDC Error ellipse: s-maj=24.8km s-min=12.5km az=150.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=9.1km az=135.0.
SZGRF Fiji Islands region.
ISC IX 21 12 38 53.2–.80 23.15S–.05 179.28E–.06 537–10 4.2b 170 6-170
IDC IX 21 12 38 51.3–1.6 22.86S 179.28E 528–17 3.7,3.7 **¶11282360**
ISCJB IX 21 12 38 52.8–.84 23.08S–.05 179.19E–.06 543–11 4.2b,3.7
NEIC IX 21 12 38 52.1–.95 23.02S 179.27E 526–11 4.5b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=11.0km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.4km az=31.1.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.3km az=134.0.
IDC IX 21 16 03 57.7–1.8 23.00S 176.16W 0 4.2,3.9
¶11910770
IDC Error ellipse: s-maj=70.1km s-min=21.5km az=148.0.
ISC IX 22 20 21 00.4–.72 23.64S–.04 179.87W–.07 546–8 5.0b 171 6-169
SZGRF IX 22 20 20 53.9 23.73S 178.72W 33 5.0b **¶13394979**
BJI IX 22 20 20 59.4 23.20S 179.49W 545 5.0b,4.8b
ISCJB IX 22 20 21 00.5–.75 23.50S–.04 179.99W–.07 554–9 5.0b,4.8b
NEIC IX 22 20 21 00.3–.25 23.43S 179.74W 545 5.3b,4.8b
DJA IX 22 20 21 00 23.56S 179.44W 580 5.1b,4.8b
IDC IX 22 20 21 01.6–.55 23.41S 179.91W 551–6 4.3,4.3
GCMT IX 22 20 21 03.2–.60 23.41S 179.93W 546–4 5.2W,4.3
BGS IX 22 20 21 03.2–3.8 23.43S 179.43W 545–0 5.3b,4.3
MOS IX 22 20 21 06.0–1.2 23.27S 179.44E 563 5.1b,4.3
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.5km az=172.6.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.4km az=106.0.

IDC Error ellipse: s-maj=10.9km s-min=8.9km az=155.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s45,c50; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.30±.36 $M_{\theta\theta}$3.29±.65; $M_{\phi\phi}$2.01±.66; $M_{r\theta}$4.53±.70; $M_{\theta\phi}$-2.09±.51; $M_{\phi r}$-1.03±.74; Best double couple: NP1:ϕ_s137.00000°,δ26.00000°,λ-67.00000°. NP2: ϕ_s292.00000°,δ66.00000°,λ-101.00000°. Principal axes: T 6.4600,Plg21.0000°,Azm30.0000° ; N 0.7900,Plg10.0000°,Azm296.0000°; P -7.2500,Plg67.0000°,Azm182.0000° $M_0$6.90000×10^{16}
BGS Error ellipse: s-maj=293.7km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=17.7km s-min=11.9km az=41.2.

IDC	**IX**	**23 04 37 32.2–22**	**24.20S**	**179.64W**	**0**	**4.3L,4.2**			
									¶11910876

IDC Error ellipse: s-maj=406.5km s-min=60.3km az=68.0.

ISC	**IX**	**23 14 11 38.4–1.1**	**25.42S–.06**	**179.4W–.10**	**425–13**	**4.0b**	**45**	**8-152**	
ISCJB	IX	23 14 11 37.3–1.2	25.40S–.05	179.4W–.10	426–13	4.0b			**¶13395027**
NEIC	IX	23 14 11 39.1–.44	25.30S	179.40W	433	4.4b			
IDC	IX	23 14 11 40.3–.88	25.36S	179.49W	444–7	3.9,3.8			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=7.8km az=2.7.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=11.1km az=135.0.
IDC Error ellipse: s-maj=20.8km s-min=11.2km az=154.0.

IDC	**IX**	**24 06 44 29.4–12**	**24.74S**	**178.43E**	**689–143**	**3.4,3.1b**			
									¶11910922

IDC Error ellipse: s-maj=176.5km s-min=55.7km az=150.0.

IDC	**IX**	**25 01 21 52.1–19**	**23.62S**	**179.53W**	**495–184**	**3.4,3.3b**			
									¶11910978

IDC Error ellipse: s-maj=134.3km s-min=25.2km az=54.0.

IDC	**IX**	**27 08 40 12.4–7.0**	**25.45S**	**179.42E**	**560–77**	**3.4,3.2**			
									¶11911182

IDC Error ellipse: s-maj=32.7km s-min=22.0km az=62.0.

IDC	**IX**	**27 22 04 12.3–5.7**	**24.68S**	**179.85E**	**502–64**	**3.4,3.2b**			
									¶11911236

IDC Error ellipse: s-maj=40.0km s-min=25.2km az=17.0.

ISC	**IX**	**28 03 06 49.0–3.1**	**25.1S–.20**	**179.8E–.20**	**553–36**	**3.5b**	**12**	**13-148**	
IDC	IX	28 03 06 45.9–6.7	24.94S	179.76E	506–81	3.4,3.2			**¶11911247**
NEIC	IX	28 03 06 47.5–3.1	25.09S	179.77E	530–37	3.6b,3.2			
ISCJB	IX	28 03 06 49.0–3.2	25.3S–.20	179.7E–.20	562–38	3.6b,3.2			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**IX**	**28 09 16 02.4–3.1**	**23.6S–.10**	**179.8W–.10**	**528–38**	**4.2b**	**28**	**15-145**	
IDC	IX	28 09 15 59.7–2.1	23.51S	179.69W	498–23	3.7,3.6b			**¶11911263**
ISCJB	IX	28 09 16 02.5–3.4	23.5S–.10	179.9W–.10	541–42	4.2b,3.6b			
NEIC	IX	28 09 16 02.1–2.2	23.55S	179.79W	527–26	4.0b,3.6b			

ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=16.4km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=15.7km az=142.3.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=12.4km az=204.0.

IDC	**IX**	**29 02 26 26.9–3.9**	**23.02S**	**177.32W**	**0**	**4.1,3.9b**			
									¶11911314

IDC Error ellipse: s-maj=145.2km s-min=47.7km az=146.0.

IDC	**X**	**02 05 24 18.3–9.1**	**22.33S**	**176.44W**	**252–88**	**3.7,3.4**			
									¶11911687

IDC Error ellipse: s-maj=40.2km s-min=24.9km az=163.0.

ISC	**X**	**02 10 48 32.8–1.9**	**23.4S–.20**	**180.0W–.20**	**414–27**	**3.6b**	**17**	**12-90**	
ISCJB	X	02 10 48 29.8–2.2	23.4S–.20	179.9W–.20	395–29	3.6b			**¶11911703**
NEIC	X	02 10 48 32.8–1.4	23.41S	179.93W	416–20	3.9b			
IDC	X	02 10 48 32.5–3.8	23.34S	179.94W	411–46	3.6,3.4			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.2km s-min=16.8km az=142.3.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=11.3km az=141.0.
IDC Error ellipse: s-maj=45.4km s-min=18.2km az=159.0.

IDC	**X**	**02 11 54 09.8–2.6**	**24.48S**	**178.85E**	**579–35**	**3.4,3.4**			
									¶11911708

IDC Error ellipse: s-maj=54.1km s-min=23.9km az=167.0.

IDC	**X**	**02 20 42 45.5–16**	**22.96S**	**179.75W**	**356–164**	**3.7,3.5b**			
									¶11911752

IDC Error ellipse: s-maj=126.0km s-min=49.5km az=172.0.

ISC	**X**	**03 15 38 39.5–.72**	**23.68S–.07**	**179.91W–.10**	**527–9**	**3.6b**	**44**	**6-151**	
ISCJB	X	03 15 38 38.1–.63	23.54S–.06	179.87W–.09	527–9	3.6b			**¶12065786**
NEIC	X	03 15 38 38.7–.69	23.59S	179.87W	518–9	4.3b			
IDC	X	03 15 38 38.7–1.9	23.55S	179.93W	511–19	3.5,3.3			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=8.2km az=19.7.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.1km az=117.0.
IDC Error ellipse: s-maj=19.1km s-min=13.1km az=164.0.

IDC	**X**	**03 19 52 49.9–54**	**23.51S**	**176.79W**	**0**	**3.9,3.7b**			
									¶12065808

IDC Error ellipse: s-maj=994.4km s-min=172.3km az=87.0.

IDC	**X**	**05 17 25 11.3–15**	**23.90S**	**177.06W**	**443–129**	**3.7,3.6b**			
									¶12066038

IDC Error ellipse: s-maj=265.3km s-min=76.6km az=70.0.

ISC	**X**	**06 02 16 16.7–3.8**	**26.0S–.20**	**179.8E–.20**	**472–44**	**3.6b**	**16**	**12-167**	
ISCJB	X	06 02 16 14.4–5.1	25.9S–.20	179.8E–.20	459–58	3.6b			**¶12066085**
NEIC	X	06 02 16 16.2–3.4	25.88S	179.91E	482–38	4.3b			
IDC	X	06 02 16 16.0–4.9	25.90S	179.89E	474–51	3.5,3.3b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.1km s-min=20.4km az=143.7.
NEIC Event type se. Error ellipse: s-maj=34.4km s-min=19.9km az=198.0.
IDC Error ellipse: s-maj=32.0km s-min=22.1km az=42.0.

ISC	**X**	**06 02 41 48.8–.87**	**26.72S–.04**	**178.6W–.10**	**343–8**	**4.1b**	**87**	**11-166**	
IDC	X	06 02 41 44.9–3.5	26.23S	178.61W	298–32	4.0,3.9			**¶12066088**
ISCJB	X	06 02 41 45.9–1.1	26.57S–.04	178.5W–.10	331–11	4.2b,3.9			
NEIC	X	06 02 41 45.7–1.8	26.20S	178.60W	305–18	4.6b,3.9			

ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=16.1km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=7.0km az=2.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=13.6km az=128.0.

IDC	**X**	**06 10 25 47.7–1.1**	**22.05S**	**176.57W**	**0**	**4.1,3.9L**			
									¶12066133

IDC Error ellipse: s-maj=47.6km s-min=21.7km az=149.0.

ISC	**X**	**07 00 44 34.5–1.7**	**22.3S–.10**	**176.89W–.08**	**194–16**	**4.0b**	**40**	**7-171**	
IDC	X	07 00 44 30.0–3.8	22.12S	176.82W	152–31	4.2,4.0			**¶12066238**
ISCJB	X	07 00 44 33.3–1.7	22.3S–.10	176.91W–.08	198–16	4.0b,4.0			
NEIC	X	07 00 44 34.9–1.5	22.19S	176.93W	198–13	4.5b,4.0			

ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=15.2km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=11.9km az=169.2.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=9.0km az=163.0.

IDC	**X**	**07 01 31 49.7–3.3**	**25.35S**	**178.50W**	**0**	**4.4,4.1**			
									¶12066243

IDC Error ellipse: s-maj=279.1km s-min=33.1km az=166.0.

IDC	**X**	**07 02 14 42.2–9.1**	**24.52S**	**179.40E**	**667–115**	**3.2,3.0b**			
									¶12066244

IDC Error ellipse: s-maj=101.5km s-min=56.6km az=159.0.

ISC	**X**	**07 10 38 35.4–3.7**	**23.5S–.50**	**179.9E–.30**	**474–36**	**3.6b**	**19**	**12-92**	
NEIC	X	07 10 38 33.3–3.4	24.03S	179.86W	462–31	4.1b			**¶12066255**
IDC	X	07 10 38 37.0–3.5	23.55S	179.89E	497–31	3.5,3.3			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=81.3km s-min=10.8km az=156.0.
IDC Error ellipse: s-maj=92.4km s-min=15.6km az=154.0.

ISC	**X**	**07 18 57 24.8–4.5**	**20.33S–.08**	**177.38E–.08**	**6–28**	**4.8b,4.1s**	**50**	**3-152**	
ISCJB	X	07 18 57 22.8–3.3	20.20S–.06	177.45E–.08	3–21	4.8b,4.1s			**¶11331900**
BJI	X	07 18 57 23.5	20.20S	177.40E	12	5.1b,5.0s			
NEIC	X	07 18 57 24.9–.42	20.26S	177.37E	10	4.8b,5.0s			
IDC	X	07 18 57 37.5–9.9	20.51S	177.34E	105–88	4.6,4.4b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=8.0km az=29.4.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.3km az=134.0.
IDC Error ellipse: s-maj=38.1km s-min=24.6km az=162.0.

IDC	**X**	**08 00 38 47.3–76**	**21.86S**	**179.04E**	**0**	**3.9,3.7b**			
									¶12066304

IDC Error ellipse: s-maj=1348.0km s-min=162.1km az=84.0.

IDC	**X**	**08 05 46 23.9–10**	**24.66S**	**179.14W**	**484–111**	**3.5,3.4**			
									¶12066312

IDC Error ellipse: s-maj=165.1km s-min=63.4km az=73.0.

ISC	**X**	**10 22 20 43.2–1.0**	**25.47S–.09**	**178.4E–.20**	**567–15**	**3.8b**	**30**	**5-167**	
ISCJB	X	10 22 20 43.0–.99	25.52S–.07	178.4E–.20	579–15	3.8b			**¶13396606**
IDC	X	10 22 20 43.8–2.8	25.45S	178.46E	577–30	3.4,3.3			
NEIC	X	10 22 20 44.3–.81	25.44S	178.35E	583–11	4.2b,3.3			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=10.7km az=176.2.
IDC Error ellipse: s-maj=22.5km s-min=16.6km az=26.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=14.3km az=96.0.

ISC	**X**	**12 19 25 27.9–.92**	**24.9S–.10**	**177.3W–.20**	**200**	**3.8b**	**25**	**4-150**	
IDC	X	12 19 25 24.9–4.5	24.89S	177.55W	153–37	4.0,3.9			**¶12068487**
ISCJB	X	12 19 25 26.9–.84	24.9S–.10	177.4W–.10	200	3.8b,3.9			
NEIC	X	12 19 25 31.3–1.6	25.19S	177.59W	214–12	3.9b,3.9			

ISC Event type se.
IDC Error ellipse: s-maj=37.1km s-min=21.6km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=14.2km az=21.5.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=16.0km az=72.0.

ISC	**X**	**13 08 43 41.0–1.2**	**23.7S–.10**	**180.0E–.10**	**513–15**	**4.0b**	**25**	**6-169**	
IDC	X	13 08 43 39.9–2.2	23.68S	179.96W	502–22	3.7,3.5b			**¶12068541**
ISCJB	X	13 08 43 40.4–1.3	23.7S–.10	180.0E–.10	518–16	4.0b,3.5b			
NEIC	X	13 08 43 40.8–1.0	23.72S	179.99W	514–13	4.2b,3.5b			

ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=17.6km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=16.0km az=28.3.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.5km az=117.0.

IDC	**X**	**13 12 53 09.8–67**	**19.86S**	**178.86E**	**0**	**3.8,3.6b**			
									¶12068554

IDC Error ellipse: s-maj=1202.0km s-min=144.7km az=81.0.

ISC	**X**	**13 22 03 16.9–1.9**	**23.1S–.10**	**179.9W–.10**	**385–26**	**3.9b**	**15**	**12-152**	
ISCJB	X	13 22 03 14.9–2.1	23.2S–.10	179.9W–.10	376–28	3.8b			**¶12068582**
NEIC	X	13 22 03 17.9–2.1	23.19S	179.86W	398–28	4.0b			
IDC	X	13 22 03 18.1–10	23.20S	179.87W	393–104	3.9,3.6b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.3km s-min=18.9km az=145.7.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=14.8km az=145.0.
IDC Error ellipse: s-maj=162.6km s-min=44.5km az=167.0.

ISC	**X**	**15 06 53 53.6–2.6**	**25.0S–.20**	**179.0E–.10**	**589–38**	**3.6b**	**24**	**13-168**	
NEIC	X	15 06 53 50.2–4.3	24.56S	178.97E	534–58	3.6b			**¶12068665**
IDC	X	15 06 53 53.4–2.5	24.63S	178.85E	570–29	3.3,3.2			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=50.6km s-min=18.7km az=182.0.
IDC Error ellipse: s-maj=32.6km s-min=14.2km az=158.0.

IDC	**X**	**15 08 15 54.5–5.6**	**23.57S**	**179.34E**	**522–64**	**3.3,3.2**			
									¶12068666

IDC Error ellipse: s-maj=32.4km s-min=22.5km az=36.0.

IDC	**X**	**16 03 15 20.0–2.0**	**22.21S**	**179.57W**	**0**	**4.4,4.2b**			
									¶12068727

IDC Error ellipse: s-maj=155.5km s-min=32.2km az=159.0.

IDC	**X**	**18 00 18 56.7–23**	**24.21S**	**179.21W**	**131–191**	**3.8,3.6b**			
									¶13397373

IDC Error ellipse: s-maj=157.1km s-min=63.5km az=138.0.

IDC	**X**	**18 21 50 23.4–10**	**22.00S**	**179.68W**	**547–127**	**3.6,3.3b**			
									¶12069001

IDC Error ellipse: s-maj=88.8km s-min=39.9km az=169.0.

ISC	**X**	**19 17 11 39.4–.75**	**26.29S–.07**	**179.28E–.09**	**497–9**	**3.9b**	**43**	**4-148**	
ISCJB	X	19 17 11 38.5–.79	26.24S–.07	179.24E–.09	498–10	3.9b			**¶12069057**
NEIC	X	19 17 11 39.2–.67	26.24S	179.32E	497–8	4.4b			
IDC	X	19 17 11 39.8–2.0	26.25S	179.21E	501–23	3.7,3.6			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=10.5km az=15.8.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.7km az=172.0.
IDC Error ellipse: s-maj=16.3km s-min=12.6km az=159.0.

ISC	**X**	**20 07 59 08.6–1.5**	**26.1S–.20**	**177.2W–.20**	**200**	**3.9b**	**22**	**13-151**	
IDC	X	20 07 59 07.5–10	26.01S	177.52W	170–80	4.0,3.9			**¶12069116**
NEIC	X	20 07 59 08.8–7.4	26.06S	177.41W	189–58	4.0b,3.9			

ISC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=21.5km az=48.0.
NEIC Event type se. Error ellipse: s-maj=57.6km s-min=21.4km az=219.0.

ISC	**X**	**22 09 10 35.8–1.4**	**26.20S–.07**	**177.50W–.07**	**142–13**	**4.5b**	**79**	**3-167**	
ISCJB	X	22 09 10 34.8–1.5	26.20S–.07	177.52W–.07	145–13	4.5b			**¶13397780**
IDC	X	22 09 10 36.7–4.7	25.91S	177.52W	148–40	4.3,4.3			
NEIC	X	22 09 10 38.0–.96	26.06S	177.57W	162–9	4.8b,4.3			
BJI	X	22 09 10 38.1	26.01S	177.37W	173	5.1b,4.9b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=9.5km az=154.8.
IDC Error ellipse: s-maj=16.0km s-min=15.3km az=141.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=8.2km az=164.0.

ISC	**X**	**22 12 05 56.9–1.2**	**24.55S–.08**	**180.0E–.10**	**511–14**	**3.9b**	**30**	**7-149**	
IDC	X	22 12 05 54.8–2.7	24.32S	179.91E	484–29	3.7,3.5b			**¶12070798**
ISCJB	X	22 12 05 56.7–1.3	24.46S–.08	179.9E–.10	520–16	3.9b,3.5b			
NEIC	X	22 12 05 57.0–1.1	24.48S	179.94E	513–12	4.4b,3.5b			

ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=17.6km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=12.1km az=9.4.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=13.2km az=121.0.

ISC	**X**	**22 17 03 48.6–.52**	**24.71S–.02**	**178.96W–.02**	**377–5**	**5.2b**	**577**	**5-168**	
ISCJB	X	22 17 03 47.1–.63	24.63S–.02	179.01W–.03	373–6	5.2b			**¶13397810**
MOS	X	22 17 03 47.5–1.0	24.50S	178.92W	374	4.9b			
NEIC	X	22 17 03 49.0–.15	24.66S	178.89W	385	5.0b			
BJI	X	22 17 03 48.6	24.02S	178.73W	380	5.1b,4.9b			
IDC	X	22 17 03 49.7–.57	24.45S	178.97W	383–5	4.8b,4.8			
DJA	X	22 17 03 50	24.57S	178.82W	419	5.5W,4.8			
BGS	X	22 17 03 52.4–2.9	24.66S	178.89W	385–0	5.0b,4.8			
GCMT	X	22 17 03 53.7–.40	24.38S	178.87W	382–2	5.4W,4.8			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=41.0.
MOS Error ellipse: s-maj=9.6km s-min=8.8km az=160.4.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=158.0.
IDC Error ellipse: s-maj=11.1km s-min=7.3km az=174.0.
BGS Error ellipse: s-maj=388.7km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c83; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39±.06 $M_{\theta\theta}$0.24±.10; $M_{\phi\phi}$0.15±.09; $M_{r\theta}$-0.23±.08; $M_{\theta\phi}$0.27±.08; $M_{\phi r}$-1.63±.06; Best double couple: NP1:ϕ_s249.00000°,δ11.00000°,λ-31.00000°. NP2: ϕ_s10.00000°,δ84.00000°,λ-99.00000°. Principal axes: T 1.6200,Plg39.0000°,Azm109.0000° ; N 0.1500,Plg9.0000°,Azm11.0000°; P -1.7700,Plg50.0000°,Azm270.0000° $M_0$1.70000×10^{17}

ISC	**X**	**22 18 24 19.9–6.3**	**23.1S–.90**	**178.8W–.70**	**35**	**4.3b**	**12**	**33-148**	
IDC	X	22 18 24 13.8–2.2	23.03S	178.63W	0	4.6,4.4b			**¶12070819**
NEIC	X	22 18 24 14.3–1.8	23.04S	178.49W	10	4.6b,4.4b			

ISC Event type se.
IDC Error ellipse: s-maj=60.8km s-min=34.2km az=30.0.
NEIC Event type se. Error ellipse: s-maj=53.8km s-min=35.7km az=190.0.

IDC	**X**	**23 07 53 02.7–18**	**23.05S**	**179.34E**	**594–236**	**3.1,2.8b**			
									¶12070865

IDC Error ellipse: s-maj=327.4km s-min=75.1km az=168.0.

ISC	**X**	**23 22 29 30.3–1.7**	**24.5S–.10**	**179.9W–.40**	**497–27**	**3.6b**	**16**	**5-169**	
NEIC	X	23 22 29 31.1–1.2	24.54S	179.98E	491–13	4.1b			**¶12070940**
IDC	X	23 22 29 32.4–24	24.59S	179.91E	501–240	3.2,3.1b			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=14.1km az=199.0.
IDC Error ellipse: s-maj=140.0km s-min=52.7km az=71.0.

ISC	**X**	**23 23 23 46.1–.90**	**24.1S–.10**	**179.2E–.10**	**592–12**	**3.6b**	**17**	**6-91**	
ISCJB	X	23 23 23 45.3–.91	24.1S–.20	179.1E–.10	599–14	3.6b			**¶12070944**
NEIC	X	23 23 23 46.0–.68	24.09S	179.17E	593–9	3.8b			
IDC	X	23 23 23 49.8–26	24.45S	179.12E	650–332	3.3,2.9b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=17.5km az=175.6.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=12.5km az=175.0.

IDC Error ellipse: s-maj=282.7km s-min=104.8km az=151.0.
ISC X 24 00 26 09.8–.71 26.61S–.03 177.56W–.04 130–6 4.9b 375 3-169
DJA X 24 00 25 53 27.99S 177.11W 20 5.6b **¶13397935**
BJI X 24 00 26 06.0 26.12S 176.68W 125 5.7b,5.2b
ISCJB X 24 00 26 10.0–.74 26.60S–.02 177.62W–.04 144–7 4.8b,5.2b
MOS X 24 00 26 09.5–1.1 26.11S 177.57W 131 5.1b,5.2b
NEIC X 24 00 26 10.0–.86 26.58S 177.43W 140–7 5.0b,5.2b
IDC X 24 00 26 16.8–.81 26.16S 177.67W 187–7 4.5,4.5
GCMT X 24 00 26 17.1–.30 26.11S 177.30W 195–2 5.2W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=27.3.
MOS Error ellipse: s-maj=13.5km s-min=11.6km az=3.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.3km az=143.0.
IDC Error ellipse: s-maj=12.4km s-min=10.2km az=163.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s42,c52; s81,c131; Moment tensor: Scale 10^{16}Nm; M_{rr}3.53±.22 $M_{\theta\theta}$-7.07±.22; $M_{\phi\phi}$3.54±.22; $M_{r\theta}$2.74±.21; $M_{\theta\phi}$1.18±.20; $M_{\phi r}$4.60±.18; Best double couple: NP1:ϕ_s311.00000°,δ48.00000°,λ153.00000°. NP2:ϕ_s59.00000°,δ70.00000°,λ45.00000°. Principal axes: T 8.6300,Plg45.0000° ,Azm284.0000°; N -0.8900,Plg42.0000°,Azm78.0000°; P -7.7400,Plg14.0000° ,Azm180.0000° $M_0$8.20000×10^{16}
IDC X 24 21 10 47.3–7.3 21.29S 178.71E 0 4.4,4.2b
¶12071025

IDC Error ellipse: s-maj=311.3km s-min=64.5km az=148.0.
ISC X 25 01 46 54.1–1.1 22.19S–.10 179.7W–.10 591–12 4.2b 57 5-151
ISCJB X 25 01 46 53.2–1.1 22.2S–.10 179.7W–.10 595–12 4.2b **¶12071049**
NEIC X 25 01 46 53.2–.90 22.22S 179.60W 589–8 4.5b
IDC X 25 01 46 55.8–1.9 22.28S 179.70W 614–22 3.6,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=12.8km az=45.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.2km az=136.0.
IDC Error ellipse: s-maj=16.1km s-min=12.4km az=162.0.
ISC X 25 22 09 08.5–.85 25.48S–.06 179.49E–.09 491–11 4.2b 48 4-168
ISCJB X 25 22 09 09.2–.75 25.44S–.06 179.41E–.08 512–10 4.3b **¶13398066**
IDC X 25 22 09 09.3–2.0 25.43S 179.48E 502–24 3.9,3.8b
NEIC X 25 22 09 10.0–.88 25.38S 179.44E 513–12 4.5b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=8.8km az=1.2.
IDC Error ellipse: s-maj=14.6km s-min=11.2km az=179.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=13.8km az=177.0.
IDC X 26 04 33 36.9–16 22.09S 179.00W 456–121 3.6,3.5b
¶12071126

IDC Error ellipse: s-maj=174.7km s-min=26.4km az=45.0.
ISC X 28 12 44 20.8–1.7 23.5S–.10 177.2W–.10 83–16 4.3b 40 11-153
ISCJB X 28 12 44 18.9–2.1 23.4S–.10 177.3W–.10 78–20 4.3b **¶12071329**
NEIC X 28 12 44 21.4–1.4 23.45S 177.18W 95–12 4.3b
IDC X 28 12 44 22.4–3.5 23.47S 177.17W 104–30 4.3,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=10.8km az=135.7.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=9.1km az=140.0.
IDC Error ellipse: s-maj=28.3km s-min=14.5km az=147.0.
ISC X 28 15 56 07.4–.59 23.99S–.04 179.96W–.03 513–7 4.8b 585 6-169
IDC X 28 15 56 06.6–1.0 23.83S 179.88W 506–10 4.5,4.5 **¶13398385**
MOS X 28 15 56 06.3–2.0 23.71S 179.93W 502 5.0b,4.5
ISCJB X 28 15 56 06.7–.64 23.95S–.04 179.99E–.03 515–7 4.8b,4.5
BJI X 28 15 56 06.9 23.59S 179.56W 524 5.0b,5.0b
NEIC X 28 15 56 07.7–.48 23.90S 179.93W 521–5 4.9b,5.0b
BGS X 28 15 56 11.4–3.1 23.90S 179.93W 521–0 4.9b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=10.5km s-min=8.7km az=170.0.
MOS Error ellipse: s-maj=9.8km s-min=8.7km az=152.6.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=161.7.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=170.0.
BGS Error ellipse: s-maj=412.0km s-min=999.9km az=-1.0.
IDC X 28 18 57 01.2–76 24.40S 178.47W 0 3.8,3.6b
¶12071363

IDC Error ellipse: s-maj=1370.0km s-min=175.9km az=89.0.
ISC X 29 07 34 36.1–1.4 25.5S–.20 180.0W–.20 505–20 3.9b 16 8-148
IDC X 29 07 34 30.9–10 25.01S 179.91W 437–111 3.6,3.5b **¶12071440**
ISCJB X 29 07 34 35.4–1.6 25.5S–.20 179.9E–.20 503–24 3.9b,3.5b
NEIC X 29 07 34 36.2–1.2 25.46S 179.95E 500–13 3.9b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=95.4km s-min=40.6km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=32.0km s-min=21.2km az=147.3.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=14.6km az=97.0.
IDC X 29 20 02 56.9–4.2 24.09S 179.83E 495–33 3.4,3.2
NEIC X 29 20 03 04.4–4.6 24.10S 179.59E 580–49 4.1b,3.2 **¶12071528**
IDC Error ellipse: s-maj=145.2km s-min=22.2km az=161.0.
NEIC Event type se. Error ellipse: s-maj=52.8km s-min=29.7km az=162.0.
ISC X 29 20 47 03.8–1.7 25.4S–.10 179.9E–.10 474–19 3.8b 31 8-148
ISCJB X 29 20 47 02.8–1.8 25.4S–.10 179.9E–.10 474–19 3.8b **¶13398579**
NEIC X 29 20 47 04.2–1.8 25.32S 179.94E 480–17 4.5b
IDC X 29 20 47 06.7–3.0 25.37S 179.90E 508–32 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=16.8km az=163.6.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=13.6km az=148.0.
IDC Error ellipse: s-maj=27.0km s-min=15.9km az=165.0.
ISC X 29 23 40 27.5–1.1 23.36S–.08 179.67W–.10 511–17 4.1b 53 6-170
ISCJB X 29 23 40 28.8–.89 23.45S–.07 179.70W–.09 542–13 4.1b **¶12071573**
IDC X 29 23 40 28.5–2.4 23.41S 179.64W 522–25 3.7,3.6b
NEIC X 29 23 40 29.3–.77 23.43S 179.64W 537–9 4.3b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.3km az=25.7.
IDC Error ellipse: s-maj=16.6km s-min=14.6km az=62.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.0km az=118.0.
IDC X 30 05 02 45.3–4.6 25.41S 177.45W 0 3.9,3.7
¶12071593

IDC Error ellipse: s-maj=279.6km s-min=36.4km az=158.0.
IDC X 31 12 54 19.7–62 22.08S 179.85W 0 3.6,3.5
¶12071733

IDC Error ellipse: s-maj=1119.0km s-min=168.4km az=84.0.
IDC X 31 21 12 45.3–4.4 24.13S 177.51W 0 3.9,3.7
¶12071774

IDC Error ellipse: s-maj=201.2km s-min=39.0km az=150.0.
ISC XI 01 02 57 57.8–2.0 26.75S–.08 177.6W–.20 151–18 3.7b 24 10-151
IDC XI 01 02 57 39.2–1.7 26.52S 177.39W 0 4.2,4.1b **¶12071816**
ISCJB XI 01 02 57 58.0–2.1 26.72S–.07 177.6W–.20 165–18 3.7b,4.1b
NEIC XI 01 02 57 58.5–1.7 26.67S 177.56W 158–14 4.5b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=66.5km s-min=27.3km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=29.4km s-min=11.1km az=7.5.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=10.9km az=98.0.
ISC XI 01 07 49 52.0–1.2 23.3S–.10 179.9W–.10 545–14 4.1b 31 6-150
IDC XI 01 07 49 50.1–2.3 23.19S 179.85W 521–24 3.8,3.7b **¶12071833**
ISCJB XI 01 07 49 51.7–1.2 23.3S–.10 180.0E–.10 554–16 4.1b,3.7b
NEIC XI 01 07 49 51.9–.88 23.33S 179.91W 547–10 4.1b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=19.4km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=15.1km az=141.3.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.8km az=143.0.
ISC XI 02 02 32 45.8–1.1 24.44S–.07 179.91E–.08 517–13 3.9b 48 7-169
IDC XI 02 02 32 44.2–2.1 24.35S 179.93E 498–22 3.7,3.6 **¶12071940**
ISCJB XI 02 02 32 45.7–1.2 24.35S–.07 179.79E–.09 526–14 3.9b,3.6
NEIC XI 02 02 32 46.0–.97 24.38S 179.87E 522–11 4.1b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=16.0km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=10.8km az=22.7.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.6km az=146.0.
ISC XI 03 00 14 16.5–.85 26.6S–.10 177.3W–.20 35 3.9b 17 13-167
IDC XI 03 00 14 11.0–1.0 26.51S 177.24W 0 4.5,4.2b **¶13399055**
ISCJB XI 03 00 14 14.6–.86 26.6S–.10 177.3W–.20 33 3.9b,4.2b
NEIC XI 03 00 14 15.1–.62 26.54S 177.09W 35 3.6b,4.2b

ISC Event type se.
IDC Error ellipse: s-maj=50.2km s-min=25.8km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=15.5km az=41.8.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=12.7km az=128.0.
IDC XI 03 11 58 09.7–4.7 24.17S 176.39W 0 4.0,3.8b
¶12072117

IDC Error ellipse: s-maj=192.4km s-min=36.4km az=144.0.
IDC XI 04 02 26 58.5–3.8 25.25S 179.87E 457–53 3.4,3.3b
¶12072202

IDC Error ellipse: s-maj=96.5km s-min=15.0km az=171.0.
ISC XI 05 17 21 25.9–1.6 23.9S–.10 179.5W–.30 466–22 3.8b 20 7-148
IDC XI 05 17 21 20.6–9.0 23.83S 179.49W 390–84 3.6,3.5b **¶12072441**
NEIC XI 05 17 21 25.5–1.1 23.99S 179.47W 459–14 4.1b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=58.7km s-min=26.6km az=52.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=12.3km az=71.0.
ISC XI 07 08 43 18.0–.70 24.15S–.04 178.65E–.03 548–8 4.9b 644 6-169
IDC XI 07 08 43 15.7–.69 24.11S 178.84E 527–6 4.4,4.4 **¶13399484**
NEIC XI 07 08 43 15.8–.12 24.09S 178.72E 527 4.9b,4.4
MOS XI 07 08 43 16.5–.86 24.03S 178.68E 539 5.1b,4.4
BJI XI 07 08 43 17.7 24.10S 178.70E 547 4.9b,4.6b
ISCJB XI 07 08 43 17.7–.71 24.18S–.04 178.59E–.03 557–9 4.9b,4.6b
DJA XI 07 08 43 17 24.17S 178.73E 557 5.2b,4.6b
BGS XI 07 08 43 18.8–3.5 24.09S 178.72E 527–0 4.9b,4.6b
SZGRF XI 07 08 43 19.4 24.11S 179.59E 571 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=10.1km s-min=8.9km az=105.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.7km az=144.0.
MOS Error ellipse: s-maj=12.2km s-min=9.4km az=49.8.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=168.4.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF South of Fiji Islands.
ISC XI 07 14 57 57.2–1.1 24.49S–.07 179.89E–.09 509–12 4.3b 54 7-169
IDC XI 07 14 57 57.0–1.5 24.34S 179.91E 506–14 4.0,3.8b **¶12072695**
ISCJB XI 07 14 57 57.1–1.2 24.42S–.07 179.82E–.09 518–13 4.3b,3.8b
NEIC XI 07 14 57 57.9–.96 24.41S 179.87E 519–10 4.5b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=14.1km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=10.0km az=15.6.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.8km az=142.0.
IDC XI 07 15 40 22.0–37 23.90S 179.60W 483–312 3.5,3.4b
¶12072702

IDC Error ellipse: s-maj=341.8km s-min=46.4km az=121.0.
IDC XI 08 03 37 54.2–1.6 22.17S 179.89W 0 4.4,4.2b
¶12072781

IDC Error ellipse: s-maj=58.5km s-min=30.1km az=160.0.
IDC XI 08 07 10 05.2–14 22.20S 176.35W 251–141 3.5,3.2
¶12072792

IDC Error ellipse: s-maj=169.6km s-min=32.9km az=158.0.
ISC XI 08 14 51 55.1–3.8 25.0S–.20 179.7E–.20 591–45 3.9b 25 13-144
IDC XI 08 14 51 47.8–3.3 24.10S 179.63E 482–33 3.8,3.4b **¶12072830**
NEIC XI 08 14 51 55.6–.61 24.78S 179.72E 600 4.0b,3.4b
ISCJB XI 08 14 51 56.5–4.0 24.9S–.10 179.6E–.20 624–51 3.9b,3.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 09 03 07 15.6–4.4 23.07S 177.93W 0 4.2,4.0b
¶12072914

IDC Error ellipse: s-maj=180.5km s-min=56.7km az=146.0.
IDC XI 09 06 39 10.1–1.4 26.76S 176.68W 0 4.2,4.0
¶11457805

IDC Error ellipse: s-maj=48.3km s-min=33.6km az=170.0.
ISC XI 10 07 20 20.8–4.3 24.4S–.20 180.0E–.20 570–57 3.7b 18 14-145
IDC XI 10 07 20 18.4–7.0 24.29S 179.94W 541–84 3.4,3.2b **¶12073046**
NEIC XI 10 07 20 20.9–4.0 24.43S 179.99W 576–50 3.8b,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=54.4km s-min=24.9km az=19.0.
NEIC Event type se. Error ellipse: s-maj=44.2km s-min=18.0km az=194.0.
ISC XI 10 10 27 19.1–.97 23.86S–.06 179.93E–.07 527–11 4.4b 84 6-169
ISCJB XI 10 10 27 19.0–1.0 23.81S–.06 179.84E–.07 536–12 4.4b **¶12073056**
IDC XI 10 10 27 18.7–1.3 23.72S 179.93E 526–13 4.1,3.9b
NEIC XI 10 10 27 19.6–.77 23.79S 179.88E 536–9 4.5b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=7.4km az=44.7.
IDC Error ellipse: s-maj=13.9km s-min=10.5km az=174.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.1km az=138.0.
ISC XI 10 19 56 25.2–1.1 23.47S–.08 179.8W–.10 551–13 4.3b 52 6-170
IDC XI 10 19 56 22.7–3.6 23.38S 179.71W 523–38 3.8,3.7 **¶12073098**
ISCJB XI 10 19 56 24.2–1.1 23.53S–.07 179.8W–.10 554–13 4.3b,3.7
NEIC XI 10 19 56 25.4–.94 23.42S 179.84W 555–10 4.6b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=15.0km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=10.2km az=179.5.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.9km az=110.0.
IDC XI 11 11 24 46.2–11 25.26S 178.26W 412–123 3.4,3.3
¶12073167

IDC Error ellipse: s-maj=141.0km s-min=43.4km az=66.0.
ISC XI 11 12 46 23.5–.59 22.2S–.10 179.6W–.10 500 3.8b 29 16-91
NEIC XI 11 12 46 20.6–5.0 22.11S 179.52W 465–63 4.1b **¶12073173**
ISCJB XI 11 12 46 22.7–.59 22.2S–.10 179.6W–.10 500 3.8b
IDC XI 11 12 46 27.4–2.9 22.24S 179.65W 546–34 3.6,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=37.5km s-min=14.2km az=186.0.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=11.4km az=143.4.
IDC Error ellipse: s-maj=31.0km s-min=18.3km az=154.0.
IDC XI 12 12 36 59.8–27 22.85S 177.28W 0 4.0L,3.9
¶12073299

IDC Error ellipse: s-maj=504.5km s-min=65.5km az=71.0.
ISC XI 13 05 38 11.8–.95 23.61S–.07 179.3E–.10 533–12 4.0b 39 6-169
ISCJB XI 13 05 38 11.4–.00 23.51S–.07 179.2E–.10 539–14 4.0b **¶12073383**
NEIC XI 13 05 38 11.9–.83 23.53S 179.30E 542–9 4.5b
IDC XI 13 05 38 11.4–2.4 23.48S 179.28E 529–26 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=10.1km az=9.6.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.4km az=117.0.
IDC Error ellipse: s-maj=16.8km s-min=14.9km az=81.0.
IDC XI 13 22 36 58.1–10.0 23.69S 179.64W 256–91 3.7,3.6b
NEIC XI 13 22 36 52.9–.90 23.65S 179.64W 200 3.7,3.6b **¶12073462**
IDC Error ellipse: s-maj=45.3km s-min=27.7km az=38.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=19.5km az=142.0.
ISC XI 14 01 29 35.5–1.0 23.63S–.06 179.80W–.08 545–12 4.3b 56 6-148
ISCJB XI 14 01 29 35.3–1.0 23.54S–.06 179.89W–.08 555–13 4.3b **¶12073475**
NEIC XI 14 01 29 35.3–.87 23.51S 179.83W 542–10 4.1b
IDC XI 14 01 29 35.0–1.8 23.44S 179.86W 532–19 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=9.1km az=20.6.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.6km az=126.0.
IDC Error ellipse: s-maj=17.5km s-min=13.8km az=171.0.
IDC XI 14 10 50 47.8–53 22.50S 178.11W 0 4.6,4.4b
¶12073510

IDC Error ellipse: s-maj=969.0km s-min=155.7km az=86.0.
ISC XI 15 23 41 58.2–1.1 22.25S–.09 179.4W–.20 583–11 3.6b 24 5-171
IDC XI 15 23 41 54.6–5.9 22.15S 179.30W 539–66 3.2,3.2 **¶12073684**
ISCJB XI 15 23 41 58.6–1.0 22.16S–.08 179.5W–.20 600–11 3.6b,3.2
NEIC XI 15 23 41 58.1–1.2 22.21S 179.42W 582–13 4.3b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=25.5km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=12.7km az=5.7.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=15.7km az=116.0.
ISC XI 18 02 12 57.0–1.1 25.75S–.08 179.6W–.20 483–27 4.3b 23 8-150
IDC XI 18 02 12 54.9–3.3 25.70S 179.86W 430–35 3.8,3.8 **¶13400491**

ISCJB XI 18 02 12 56.6–1.3 25.68S–.08 179.6W–.20 489–30 4.3b,3.8
NEIC XI 18 02 12 56.2–.89 25.81S 179.78W 451–10 4.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=22.9km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=28.1km s-min=12.4km az=0.4.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.9km az=119.0.
IDC XI 18 03 45 03.5–9.7 25.85S 179.71E 442–99 3.3,3.2b
¶12073959
IDC Error ellipse: s-maj=78.2km s-min=39.6km az=33.0.
ISC XI 18 17 59 06.6–.86 23.79S–.08 179.2W–.10 534–19 4.1b 26 7-148
IDC XI 18 17 59 04.2–2.5 23.67S 179.62W 461–29 3.8,3.7b **¶12074029**
NEIC XI 18 17 59 07.0–1.2 23.79S 179.44W 512–15 3.9b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=19.4km az=118.0.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=16.7km az=114.0.
ISC XI 19 03 33 15.8–1.3 23.85S–.09 180.0W–.20 508–15 4.0b 25 6-148
IDC XI 19 03 33 14.0–6.0 23.67S 179.90W 488–66 3.6,3.4b **¶12074097**
ISCJB XI 19 03 33 15.5–1.3 23.73S–.09 179.9W–.10 525–17 4.0b,3.4b
NEIC XI 19 03 33 15.8–1.1 23.85S 179.99W 503–14 4.0b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=23.4km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=13.7km az=166.5.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=14.7km az=68.0.
IDC XI 19 05 25 39.6–16 24.74S 179.70E 512–193 3.4,3.2b
¶12074107
IDC Error ellipse: s-maj=88.1km s-min=62.2km az=163.0.
ISC XI 19 05 26 26.1–2.2 25.0S–.20 179.8E–.10 516–26 4.2b 31 13-168
NEIC XI 19 05 26 23.1–4.7 24.70S 179.87E 484–37 4.1b **¶12074108**
IDC XI 19 05 26 24.9–2.1 24.79S 179.78E 501–22 3.8,3.6b
ISCJB XI 19 05 26 25.7–2.4 25.0S–.20 179.7E–.10 524–28 4.2b,3.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 19 09 26 11.7–58 20.27S 179.50E 0 3.9,3.7b
¶12074130
IDC Error ellipse: s-maj=1044.0km s-min=159.1km az=82.0.
ISC XI 19 20 38 59.0–.09 22.36S–.03 179.65W–.02 598 5.2b 823 5-175
SZGRF XI 19 20 37 48.0 23.21S 178.09W 596 5.2b **¶13400633**
DJA XI 19 20 38 55 22.18S 179.62W 560 5.5b
IDC XI 19 20 38 57.0–.89 22.16S 179.62W 574–9 4.6b,4.6
ISCJB XI 19 20 38 57.6–.09 22.35S–.02 179.68W–.02 596 5.2b,4.6
MOS XI 19 20 38 57.6–1.2 22.13S 179.72W 588 5.1b,4.6
NEIC XI 19 20 38 58.8–.13 22.17S 179.72W 596 5.8W,5.7W
BGS XI 19 20 39 01.9–4.5 22.17S 179.72W 596–0 5.2b,5.7W
BJI XI 19 20 39 01.1 21.41S 179.89W 596 5.3b,5.1b
GCMT XI 19 20 39 01.9–.10 22.20S 179.30W 604–1 5.8W,5.1b
ISC Event type se.
SZGRF South of Fiji Islands.
IDC Error ellipse: s-maj=9.1km s-min=8.4km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.2km az=144.9.
MOS Error ellipse: s-maj=9.6km s-min=8.0km az=56.4.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.7km az=152.0. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}2.43 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$-2.06 $M_{r\theta}$-1.30 $M_{\theta\phi}$-1.22 $M_{\phi r}$-4.71 Best double couple: NP1:ϕ_s40.00000°,δ15.00000°,λ113.00000°. NP2:ϕ_s197.00000° ,δ76.00000°,λ84.00000°. Principal axes: T 5.4400,Plg58.0000°,Azm98.0000° ; N 0.1600,Plg5.0000°,Azm198.0000°; P -5.6000,Plg31.0000°,Azm291.0000° M_o5.50000×10^{17}
BGS Error ellipse: s-maj=461.7km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s97,c200; s55,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}3.56±.06 $M_{\theta\theta}$-0.86±.10; $M_{\phi\phi}$-2.71±.11; $M_{r\theta}$-1.56±.11; $M_{\theta\phi}$-2.60±.09; $M_{\phi r}$-5.36±.09; Best double couple: NP1:ϕ_s56.00000°,δ21.00000°,λ125.00000°. NP2:ϕ_s199.00000°,δ73.00000°,λ78.00000°. Principal axes: T 6.6400,Plg60.0000° ,Azm91.0000°; N 0.5800,Plg12.0000°,Azm203.0000°; P -7.2300,Plg27.0000°,Azm299.0000° M_o6.90000×10^{17}
ISC XI 20 19 44 34.4–1.2 26.80S–.10 177.9W–.20 176–11 3.9b 25 2-166
IDC XI 20 19 44 32.6–12 26.86S 177.83W 160–110 4.0,3.8b **¶12074308**
ISCJB XI 20 19 44 33.7–1.2 26.84S–.10 177.9W–.20 184–11 3.9b,3.8b
NEIC XI 20 19 44 34.4–1.1 26.77S 177.90W 175–9 3.9b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=43.5km s-min=21.9km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=14.5km az=159.3.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=12.3km az=71.0.
ISC XI 20 22 29 15.3–1.1 24.02S–.10 179.7W–.10 528–13 3.6b 32 5-169
IDC XI 20 22 29 13.5–2.7 24.14S 179.87W 477–29 3.4,3.3 **¶12074332**
ISCJB XI 20 22 29 14.3–1.1 23.94S–.09 179.7W–.10 532–14 3.6b,3.3
NEIC XI 20 22 29 14.8–1.0 23.93S 179.81W 512–17 3.6b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=15.7km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=14.3km az=172.4.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=16.0km az=90.0.
ISC XI 21 00 50 23.3–.62 24.17S–.04 179.72W–.09 525–7 4.1b 68 5-169
ISCJB XI 21 00 50 21.9–.53 24.01S–.04 179.75W–.08 519–7 4.1b **¶12074349**
IDC XI 21 00 50 22.0–1.4 24.05S 179.83W 495–13 3.7,3.6
NEIC XI 21 00 50 23.1–.71 24.05S 179.80W 512–8 4.3b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=5.9km az=176.5.
IDC Error ellipse: s-maj=15.7km s-min=13.4km az=79.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.9km az=108.0.
NEIC XI 22 04 15 05.5–1.2 25.03S 179.58W 500 4.3b
IDC XI 22 04 15 01.5–27 24.67S 179.50W 448–256 3.8,3.7b **¶12074472**
NEIC Event type se. Error ellipse: s-maj=54.4km s-min=21.4km az=161.0.
IDC Error ellipse: s-maj=163.3km s-min=42.3km az=68.0.
IDC XI 22 08 28 25.7–65 19.44S 177.82E 0 4.1,3.9b
¶12074484
IDC Error ellipse: s-maj=1152.0km s-min=149.6km az=80.0.
ISC XI 22 17 06 01.9–.82 23.8S–.20 180.0E–.10 500 4.1b 28 26-90
ISCJB XI 22 17 06 00.8–.82 23.9S–.20 180.0E–.10 500 4.1b **¶12074522**
NEIC XI 22 17 06 02.6–4.9 23.90S 179.97E 510–56 4.4b
IDC XI 22 17 06 03.1–3.6 23.79S 179.93E 510–33 3.7,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=15.2km az=166.2.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=22.5km az=208.0.
IDC Error ellipse: s-maj=85.9km s-min=25.5km az=162.0.
ISC XI 23 22 25 37.0–3.0 24.7S–.20 180.0E–.10 523–34 4.0b 25 14-168
IDC XI 23 22 25 33.6–3.1 24.49S 179.97E 478–31 3.7,3.4b **¶12074619**
NEIC XI 23 22 25 33.7–2.6 24.48S 179.96E 480–28 4.2b,3.4b
ISCJB XI 23 22 25 37.4–3.1 24.8S–.20 179.9E–.10 540–36 4.0b,3.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 24 19 03 13.0–6.3 23.9S–.40 180.0W–.50 515–48 3.9b 20 14-66
IDC XI 24 19 03 12.5–7.9 23.83S 179.83W 520–73 3.5,3.4 **¶12074708**
NEIC XI 24 19 03 13.0–4.6 23.93S 179.93W 520–35 4.5b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=89.5km s-min=19.8km az=46.0.
NEIC Event type se. Error ellipse: s-maj=69.2km s-min=14.3km az=46.0.
ISC XI 26 14 18 45.6–1.1 26.25S–.09 177.5W–.20 35 3.6b 8 13-151
ISCJB XI 26 14 18 43.6–1.1 26.35S–.09 177.5W–.20 33 3.6b **¶12074903**
IDC XI 26 14 18 45.1–5.4 24.08S 178.39W 0 4.0,3.8
ISCJB Error ellipse: s-maj=29.5km s-min=9.7km az=16.8.
IDC Error ellipse: s-maj=344.4km s-min=26.9km az=158.0.
ISC XI 27 04 37 11.1–.56 25.15S–.04 178.43E–.06 589–7 4.5b 118 5-168
ISCJB XI 27 04 37 10.9–.53 25.12S–.03 178.35E–.06 600–7 4.5b **¶12074991**
NEIC XI 27 04 37 11.3–.76 25.06S 178.44E 591–8 4.7b
IDC XI 27 04 37 11.8–1.2 25.04S 178.30E 589–12 4.1,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.9km az=176.9.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.1km az=98.0.
IDC Error ellipse: s-maj=11.6km s-min=9.6km az=145.0.
ISC XI 27 06 56 03.8–1.5 23.1S–.20 179.9W–.10 532–22 4.1b 20 12-92
ISCJB XI 27 06 56 03.6–1.7 23.1S–.20 179.9W–.10 540–25 4.1b **¶12075005**
NEIC XI 27 06 56 03.8–1.2 23.12S 179.83W 534–17 4.3b
IDC XI 27 06 56 04.1–2.0 23.10S 179.85W 535–24 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.6km s-min=14.8km az=150.1.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=11.1km az=149.0.
IDC Error ellipse: s-maj=40.9km s-min=14.6km az=156.0.
IDC XI 27 18 45 39.1–30 23.82S 179.73W 418–275 3.3,3.2b
¶12075061
IDC Error ellipse: s-maj=175.3km s-min=93.4km az=91.0.
ISC XI 28 11 14 46.0–1.7 22.8S–.20 179.1E–.10 535–25 4.1b 26 12-150
ISCJB XI 28 11 14 45.4–1.8 22.9S–.20 179.1E–.10 542–28 4.1b **¶12075138**
IDC XI 28 11 14 45.3–3.4 22.66S 178.96E 520–45 3.6,3.4
NEIC XI 28 11 14 45.6–1.7 22.80S 179.05E 533–25 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.8km s-min=13.8km az=151.7.
IDC Error ellipse: s-maj=35.1km s-min=17.9km az=155.0.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=13.6km az=154.0.
ISC XII 01 06 16 44.7–2.1 20.7S–.30 180.0E–.40 513–21 3.6b 15 3-51
IDC XII 01 06 15 25.0–3.8 16.63S 175.51W 53–8 4.0,3.8b **¶13836867**
ISCJB XII 01 06 16 44.0–2.4 20.5S–.30 180.0W–.40 525–24 3.6b,3.8b
NEIC XII 01 06 16 44.6–1.9 20.66S 179.99E 512–19 3.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=72.2km s-min=42.5km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=69.6km s-min=29.1km az=147.6.
NEIC Event type se. Error ellipse: s-maj=51.0km s-min=26.4km az=53.0.
ISC XII 02 19 52 11.7–.97 26.79S–.08 178.5W–.10 283–9 3.9b 37 3-150
IDC XII 02 19 52 08.1–5.5 26.79S 178.45W 253–52 3.9,3.7 **¶12075536**
ISCJB XII 02 19 52 10.8–.95 26.85S–.06 178.6W–.10 287–9 3.9b,3.7
NEIC XII 02 19 52 11.4–.84 26.79S 178.52W 284–8 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=23.3km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=10.0km az=1.1.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.6km az=92.0.
NEIC XII 03 02 50 15.8–1.1 22.56S 176.66W 35 4.5b
IDC XII 03 02 50 12.2–3.4 22.16S 176.92W 0 4.3,4.2b **¶12075581**
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=23.9km az=146.0.
IDC Error ellipse: s-maj=112.9km s-min=34.6km az=138.0.
ISC XII 03 13 54 11.1–1.5 23.39S–.08 177.9W–.10 206–16 3.6b 44 7-91
ISCJB XII 03 13 54 10.7–1.4 23.51S–.05 177.9W–.10 217–16 3.6b **¶12075613**
IDC XII 03 13 54 13.8–2.4 23.35S 177.87W 233–23 3.7,3.6
NEIC XII 03 13 54 18.8–1.3 23.52S 177.90W 283–12 4.0b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=7.7km az=13.1.
IDC Error ellipse: s-maj=26.9km s-min=13.5km az=145.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.6km az=127.0.
IDC XII 04 03 40 22.0–11 25.56S 180.00W 421–118 3.4,3.3b
¶12075678
IDC Error ellipse: s-maj=84.4km s-min=41.9km az=28.0.
ISC XII 04 06 08 42.8–3.0 24.2S–.10 179.9E–.20 542–35 4.0b 28 14-91
IDC XII 04 06 08 38.9–2.2 23.99S 179.95W 495–23 3.7,3.5b **¶12075689**
NEIC XII 04 06 08 41.4–2.7 24.00S 179.96E 526–33 4.2b,3.5b
ISCJB XII 04 06 08 42.7–3.3 24.1S–.10 179.9E–.20 554–40 4.0b,3.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 05 11 01 46.7–3.7 22.5S–.50 177.7W–.30 542–29 3.6b 22 6-152
ISCJB XII 05 11 01 46.8–3.8 22.4S–.50 177.8W–.30 553–32 3.6b **¶12075879**
NEIC XII 05 11 01 46.1–3.2 22.52S 177.68W 538–25 3.6b
IDC XII 05 11 01 49.2–4.2 21.53S 178.11W 542–35 3.5,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=88.5km s-min=20.7km az=148.7.
NEIC Event type se. Error ellipse: s-maj=66.9km s-min=16.0km az=146.0.
IDC Error ellipse: s-maj=89.7km s-min=22.9km az=152.0.
ISC XII 05 15 53 05.5–.88 23.63S–.08 180.0W–.10 519–11 4.0b 32 6-169
IDC XII 05 15 53 03.8–1.8 23.51S 179.90W 503–18 3.7,3.6 **¶13401992**
ISCJB XII 05 15 53 04.4–.85 23.51S–.07 180.0W–.10 519–11 4.0b,3.6
NEIC XII 05 15 53 04.9–.71 23.49S 179.90W 519–8 4.4b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=13.8km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=11.1km az=8.6.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=11.3km az=124.0.
ISC XII 05 23 49 39.0–6.3 23.1S–.30 177.0W–.30 177–53 3.5b 11 7-150
IDC XII 05 23 49 29.3–15 22.68S 177.06W 81–125 3.6,3.4 **¶12075950**
NEIC XII 05 23 49 35.6–.71 23.36S 176.88W 150 3.9b,3.4
ISCJB XII 05 23 49 37.7–5.4 23.2S–.30 177.0W–.20 180–45 3.5b,3.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 07 11 22 15.4–1.7 24.86S–.07 179.0W–.20 359–20 3.7b 21 13-144
ISCJB XII 07 11 22 09.8–2.2 24.70S–.09 179.0W–.20 313–24 3.8b **¶12076167**
IDC XII 07 11 22 20.2–7.4 24.85S 178.99W 425–82 3.7,3.5
ISCJB Error ellipse: s-maj=26.3km s-min=13.8km az=177.1.
IDC Error ellipse: s-maj=48.5km s-min=28.8km az=23.0.
ISC XII 07 16 31 11.4–1.3 25.6S–.10 179.9E–.20 507–13 3.6b 29 8-154
IDC XII 07 16 31 08.8–4.5 25.45S 179.96E 476–46 3.4,3.3 **¶13402163**
ISCJB XII 07 16 31 10.5–1.4 25.6S–.10 179.9E–.20 509–15 3.6b,3.3
NEIC XII 07 16 31 10.9–1.1 25.55S 179.95E 506–10 4.3b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=28.7km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=16.0km az=29.4.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=11.9km az=118.0.
IDC XII 08 01 28 44.2–61 24.27S 178.88W 0 4.1,3.9b
¶12076275
IDC Error ellipse: s-maj=1110.0km s-min=167.5km az=88.0.
ISC XII 08 10 36 41.0–1.2 26.35S–.10 178.8W–.10 383–12 4.0b 30 3-91
ISCJB XII 08 10 36 39.4–1.3 26.3S–.10 178.8W–.10 377–13 4.0b **¶12076345**
IDC XII 08 10 36 40.8–10 26.21S 178.76W 385–117 3.7,3.5
NEIC XII 08 10 36 40.2–1.1 26.24S 178.74W 381–13 4.5b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=15.0km az=138.2.
IDC Error ellipse: s-maj=53.9km s-min=25.9km az=11.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=13.6km az=180.0.
ISC XII 09 18 04 19.0–.92 24.4S–.30 179.1E–.10 600 4.0b 20 13-147
ISCJB XII 09 18 04 17.8–.92 24.5S–.30 179.1E–.10 600 4.0b **¶12076583**
IDC XII 09 18 04 17.9–4.5 24.46S 179.29E 594–44 3.5,3.4
NEIC XII 09 18 04 18.8–1.6 24.40S 179.16E 600–22 4.3b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=38.8km s-min=12.2km az=163.6.
IDC Error ellipse: s-maj=95.0km s-min=27.1km az=151.0.
NEIC Event type se. Error ellipse: s-maj=38.7km s-min=12.2km az=166.0.
ISC XII 10 02 02 19.8–.70 25.11S–.06 179.79E–.08 505–9 4.0b 52 5-168
ISCJB XII 10 02 02 19.2–.75 25.06S–.06 179.75E–.08 508–9 4.1b **¶13402373**
NEIC XII 10 02 02 19.6–.52 25.08S 179.85E 506–5 4.4b
IDC XII 10 02 02 20.2–1.4 25.09S 179.77E 510–14 3.8,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=9.9km az=3.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=8.0km az=133.0.
IDC Error ellipse: s-maj=15.8km s-min=11.0km az=169.0.
ISC XII 10 19 59 29.7–1.1 23.95S–.08 180.0W–.10 505–13 4.4b 49 6-151
ISCJB XII 10 19 59 29.3–1.1 23.88S–.07 180.0E–.10 512–13 4.4b **¶12076788**
IDC XII 10 19 59 29.7–1.7 23.84S 180.00W 506–16 3.9,3.8b
NEIC XII 10 19 59 29.8–.86 23.86S 179.98W 511–9 4.4b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=11.3km az=175.5.
IDC Error ellipse: s-maj=17.0km s-min=14.3km az=14.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.7km az=111.0.
ISC XII 11 11 52 41.9–1.2 23.93S–.08 179.59W–.10 510–17 4.6b 44 12-151
ISCJB XII 11 11 52 41.8–1.5 23.83S–.08 179.70W–.10 519–20 4.6b **¶12076917**
IDC XII 11 11 52 41.9–3.0 23.80S 179.66W 506–37 3.8,3.6
NEIC XII 11 11 52 42.0–1.1 23.84S 179.62W 514–14 3.8,3.6
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=11.0km az=39.4.
IDC Error ellipse: s-maj=26.2km s-min=15.4km az=160.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=11.1km az=144.0.
IDC XII 11 13 32 23.4–59 19.57S 179.40E 0 3.8,3.6b
¶12076933

IDC Error ellipse: s-maj=1050.0km s-min=143.4km az=81.0.
ISC XII 13 09 56 49.7–1.6 22.4S–.20 179.3W–.20 570–15 3.6b 13 5-152
IDC XII 13 09 56 46.1–7.4 22.25S 179.22W 522–81 3.3,3.0b ¶12077280
ISCJB XII 13 09 56 49.7–1.5 22.4S–.10 179.3W–.20 584–15 3.6b,3.0b
NEIC XII 13 09 56 49.9–1.1 22.47S 179.27W 570–10 4.0b,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=56.7km s-min=37.2km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=33.5km s-min=22.7km az=0.7.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=14.9km az=118.0.
ISC XII 13 17 40 19.3–2.1 24.3S–.30 179.9W–.20 405–22 3.9b 18 5-148
ISCJB XII 13 17 40 18.2–2.1 24.2S–.20 180.0W–.20 407–23 3.9b ¶12077319
NEIC XII 13 17 40 19.5–1.6 24.31S 179.94W 409–16 4.2b
IDC XII 13 17 40 24.0–6.1 24.17S 179.90E 450–69 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=39.2km s-min=21.8km az=13.0.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=14.8km az=190.0.
IDC Error ellipse: s-maj=49.2km s-min=28.8km az=10.0.
ISC XII 13 23 30 19.3–.88 24.04S–.04 179.74W–.08 520–10 4.5b 81 7-169
ISCJB XII 13 23 30 17.0–.82 23.94S–.04 179.71W–.07 506–10 4.5b ¶13402677
IDC XII 13 23 30 17.5–1.3 23.82S 179.70W 497–13 4.1,4.0b
NEIC XII 13 23 30 18.0–.73 23.91S 179.68W 507–8 4.9b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.7km az=15.6.
IDC Error ellipse: s-maj=15.7km s-min=12.1km az=147.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.2km az=130.0.
ISC XII 14 08 40 12.3–1.1 24.26S–.07 179.97E–.07 522–13 4.5b 72 13-169
IDC XII 14 08 40 10.8–1.2 24.17S 179.97W 504–11 4.0,3.9b ¶12077424
ISCJB XII 14 08 40 11.1–1.1 24.18S–.06 179.94E–.07 520–14 4.5b,3.9b
NEIC XII 14 08 40 12.3–.96 24.21S 179.97W 526–11 4.7b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=12.0km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.9km az=43.1.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.0km az=152.0.
ISC XII 15 00 33 18.1–2.2 25.7S–.10 179.9E–.10 490–26 4.3b 35 13-94
IDC XII 15 00 33 16.0–6.8 25.61S 179.91E 463–83 3.8,3.6b ¶12077509
ISCJB XII 15 00 33 17.5–2.8 25.6S–.10 179.8E–.10 492–34 4.3b,3.6b
NEIC XII 15 00 33 18.3–1.6 25.74S 179.86E 495–20 4.5b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=21.8km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=14.7km az=145.4.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=12.4km az=206.0.
ISC XII 15 05 17 48.0–1.4 26.46S–.07 177.06W–.06 55–12 4.8b,4.1s 311 3-167
IDC XII 15 05 17 39.5–.56 26.25S 176.89W 0 4.9L,4.6 ¶13402827
NEIC XII 15 05 17 45.4–1.4 26.56S 176.89W 40–13 4.9b,4.6
ISCJB XII 15 05 17 46.1–1.6 26.44S–.07 177.10W–.06 51–14 4.8b,4.1s
BJI XII 15 05 17 50.7 26.54S 177.03W 95 5.3b,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=16.9km az=156.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=9.6km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=8.4km az=158.7.
ISC XII 15 08 10 19.5–.89 22.34S–.05 179.39W–.10 587–11 4.2b 67 5-171
ISCJB XII 15 08 10 17.1–.89 22.23S–.05 179.43W–.08 567–13 4.1b ¶12077559
NEIC XII 15 08 10 19.3–.72 22.18S 179.45W 583–8 4.6b
IDC XII 15 08 10 23.3–1.9 22.21S 179.70W 623–23 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=7.3km az=15.8.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.9km az=128.0.
IDC Error ellipse: s-maj=16.4km s-min=11.3km az=160.0.
ISC XII 16 04 26 30.3–1.2 26.77S–.07 177.4W–.10 114–10 4.2b 41 3-166
IDC XII 16 04 26 22.8–4.9 26.68S 177.20W 51–41 4.3,4.2b ¶12077712
ISCJB XII 16 04 26 29.5–1.3 26.78S–.08 177.4W–.10 120–11 4.2b,4.2b
NEIC XII 16 04 26 29.4–1.1 26.82S 177.29W 112–9 4.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=18.4km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=12.3km az=167.6.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.7km az=89.0.
ISC XII 17 07 49 22.0–1.5 24.16S–.08 179.9W–.10 482–22 4.3b 38 13-169
ISCJB XII 17 07 49 20.7–1.7 24.04S–.07 179.9W–.10 486–26 4.3b ¶12077886
IDC XII 17 07 49 21.7–1.9 24.16S 179.87W 477–19 3.8,3.7b
NEIC XII 17 07 49 22.3–1.1 24.11S 179.89W 491–16 4.3b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=10.1km az=28.5.
IDC Error ellipse: s-maj=20.6km s-min=16.8km az=29.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=11.6km az=153.0.
IDC XII 17 12 39 25.2–7.5 25.21S 179.76E 466–86 3.4,3.3
¶12077916

IDC Error ellipse: s-maj=63.8km s-min=30.5km az=5.0.
ISC XII 18 19 53 08.6–1.3 23.4S–.10 180.0W–.10 541–15 4.0b 28 6-90
ISCJB XII 18 19 53 08.0–1.3 23.45S–.09 180.0W–.10 548–16 4.0b ¶12078086
IDC XII 18 19 53 08.8–4.2 23.37S 179.98W 542–47 3.5,3.4b
NEIC XII 18 19 53 08.4–.90 23.43S 179.94W 542–11 4.0b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=13.9km az=165.8.
IDC Error ellipse: s-maj=34.3km s-min=21.3km az=36.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=13.5km az=217.0.
ISC XII 18 20 57 39.6–.48 23.69S–.02 179.98E–.02 546–5 5.3b 766 6-169
DJA XII 18 20 57 06 23.79S 178.02W 306 6.0b ¶13403171
MOS XII 18 20 57 38.3–2.0 23.36S 179.98W 528 5.3b
ISCJB XII 18 20 57 38.2–.51 23.59S–.02 179.93E–.02 538–6 5.3b
BJI XII 18 20 57 38.5 23.50S 180.00E 543 5.4b,5.3b
IDC XII 18 20 57 39.2–.39 23.49S 179.99W 537–3 4.9b,4.9
NEIC XII 18 20 57 39.5–.11 23.50S 180.00W 543 5.4W,5.3b
SZGRF XII 18 20 57 40.7 23.41S 179.36W 558 5.4W,5.3b
GCMT XII 18 20 57 40.7–.60 23.84S 179.65W 562–2 5.6W,5.3b
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=7.7km az=65.1.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.0km az=140.4.
IDC Error ellipse: s-maj=7.7km s-min=6.4km az=3.0.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.3km az=153.0. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.44 $M_{\theta\theta}$0.49 $M_{\phi\phi}$-0.05 $M_{r\theta}$-0.77 $M_{\theta\phi}$-0.64 $M_{\phi r}$-1.39 Best double couple: NP1:ϕ_s113.00000°,δ14.00000°,λ-174.00000°. NP2:ϕ_s17.00000° ,δ89.00000°,λ-76.00000°. Principal axes: T 1.1600,Plg42.0000°,Azm94.0000° ; N 0.8900,Plg13.0000°,Azm197.0000°; P -2.0400,Plg44.0000°,Azm301.0000° M_o1.80000×10^{17}
SZGRF South of Fiji Islands.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c85; Moment tensor: Scale 10^{17}Nm; M_{rr}0.48±.06 $M_{\theta\theta}$-1.21±.10; $M_{\phi\phi}$0.74±.09; $M_{r\theta}$-1.18±.10; $M_{\theta\phi}$-1.21±.08; $M_{\phi r}$-1.81±.09; Best double couple: NP1:ϕ_s109.00000°,δ33.00000°,λ168.00000°. NP2: ϕ_s209.00000°,δ83.00000°,λ57.00000°. Principal axes: T 2.4200,Plg42.0000°,Azm88.0000° ; N 0.4800,Plg33.0000°,Azm213.0000°; P -2.9000,Plg31.0000°,Azm325.0000° M_o2.70000×10^{17}
ISC XII 20 12 12 17.3–3.8 23.2S–.50 179.8E–.40 556–33 3.7b 15 6-144
IDC XII 20 12 12 15.6–14 23.07S 179.81E 534–167 3.3,3.1b ¶12078323
ISCJB XII 20 12 12 16.6–3.9 23.2S–.50 179.8E–.40 560–35 3.7b,3.1b
NEIC XII 20 12 12 16.9–3.4 23.16S 179.87E 559–27 4.3b,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=98.5km s-min=56.9km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=93.7km s-min=20.1km az=149.6.
NEIC Event type se. Error ellipse: s-maj=78.2km s-min=17.0km az=148.0.
IDC XII 20 16 31 40.7–51 23.77S 176.17W 0 3.8,3.6b
¶12078352

IDC Error ellipse: s-maj=942.3km s-min=159.6km az=88.0.
ISC XII 21 14 36 32.8–.81 22.55S–.04 179.52W–.07 580–10 4.3b 101 5-171
ISCJB XII 21 14 36 30.7–.79 22.48S–.04 179.53W–.07 566–10 4.2b ¶11517282
IDC XII 21 14 36 31.0–1.3 22.35S 179.50W 558–13 3.9,3.8
BJI XII 21 14 36 31.8 22.30S 179.70W 591 5.1b,4.4b
NEIC XII 21 14 36 33.9–.71 22.34S 179.65W 592–8 4.5b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=8.3.
IDC Error ellipse: s-maj=14.2km s-min=11.1km az=128.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.1km az=128.0.
NEIC XII 21 14 46 02.8–1.3 26.17S 179.91E 451–26 3.9b
IDC XII 21 14 46 03.3–3.4 26.03S 179.88E 454–52 3.5,3.4 ¶12078470
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=11.8km az=124.0.
IDC Error ellipse: s-maj=44.9km s-min=27.1km az=131.0.
ISC XII 22 05 36 45.8–.60 23.52S–.04 179.98W–.04 526–6 4.8b 198 6-170
BJI XII 22 05 36 44.9 23.50S 179.90W 523 5.0b,4.6b ¶11517514
ISCJB XII 22 05 36 45.2–.68 23.50S–.04 179.97E–.04 530–8 4.8b,4.6b
IDC XII 22 05 36 45.1–1.1 23.41S 179.86W 518–10 4.4,4.3b
NEIC XII 22 05 36 45.8–.60 23.46S 179.93W 525–7 4.7b,4.3b
DJA XII 22 05 37 00 23.50S 178.80E 626 5.2b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.2km az=157.9.
IDC Error ellipse: s-maj=11.3km s-min=10.8km az=114.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.0km az=140.0.
IDC XII 22 07 06 17.8–17 23.18S 179.90W 454–213 3.7,3.4b
¶12078522

IDC Error ellipse: s-maj=147.2km s-min=25.3km az=1.0.
ISC XII 23 13 10 18.1–1.0 24.13S–.07 179.23W–.09 461–13 4.2b 53 7-169
ISCJB XII 23 13 10 15.3–1.9 24.04S–.08 179.27W–.09 439–23 4.2b ¶13403759
IDC XII 23 13 10 15.3–2.2 24.10S 179.19W 427–23 4.0,3.8b
NEIC XII 23 13 10 17.7–1.0 24.16S 179.22W 456–11 4.4b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=10.8km az=35.8.
IDC Error ellipse: s-maj=16.7km s-min=13.9km az=155.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.4km az=142.0.
IDC XII 23 14 41 23.4–6.5 23.67S 179.93E 0 4.0,3.8b
¶12078685

IDC Error ellipse: s-maj=162.1km s-min=101.2km az=141.0.
IDC XII 23 22 46 38.0–22 21.34S 179.97E 294–179 3.5,3.2
¶12078743

IDC Error ellipse: s-maj=294.8km s-min=57.5km az=143.0.
ISC XII 25 05 02 37.7–.86 26.17S–.04 178.8W–.10 324–9 4.0b 89 9-167
IDC XII 25 05 02 35.6–3.3 25.80S 178.62W 308–30 3.9,3.9 ¶12078884
NEIC XII 25 05 02 37.1–1.4 25.94S 178.61W 326–13 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=14.9km az=85.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.7km az=119.0.
ISC XII 25 14 30 44.0–1.3 24.3S–.10 179.9W–.20 485–17 3.6b 20 7-151
ISCJB XII 25 14 30 43.5–1.4 24.3S–.10 180.0E–.20 487–17 3.6b ¶13814052
NEIC XII 25 14 30 44.0–1.1 24.32S 179.93W 488–12 4.2b
IDC XII 25 14 30 45.0–2.9 24.00S 179.96E 490–24 3.4,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=18.1km az=179.2.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=13.4km az=104.0.
IDC Error ellipse: s-maj=90.6km s-min=26.7km az=157.0.
ISC XII 26 10 50 13.5–1.4 19.0S–.20 177.3E–.30 35 3.7b,3.4s 12 1-90
IDC XII 26 10 50 08.3–2.0 19.29S 177.30E 0 4.0,3.8 ¶11613285
ISCJB XII 26 10 50 11.7–1.4 19.1S–.20 177.3E–.30 33 3.7b,3.4s
NEIC XII 26 10 50 13.5–1.4 18.86S 177.20E 35 3.7b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=170.2km s-min=33.9km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=46.6km s-min=8.7km az=43.4.
NEIC Event type se. Error ellipse: s-maj=66.5km s-min=13.8km az=145.0.
IDC XII 26 11 17 29.7–1.5 19.41S 177.60E 0 4.2L,4.1
¶11613286

IDC Error ellipse: s-maj=47.8km s-min=30.8km az=160.0.
IDC XII 27 14 43 54.4–1.1 19.56S 177.31E 0 4.2L,4.1
¶11613297

IDC Error ellipse: s-maj=43.8km s-min=23.0km az=153.0.
IDC XII 29 07 47 29.0–6.3 23.21S 179.61E 0 3.9,3.6
¶12079370

IDC Error ellipse: s-maj=282.4km s-min=69.4km az=152.0.
ISC XII 29 13 09 21.4–1.2 24.26S–.08 179.9E–.10 517–15 3.7b 20 7-169
IDC XII 29 13 09 20.1–5.3 24.05S 179.82E 495–61 3.5,3.2 ¶12079400
ISCJB XII 29 13 09 21.2–1.3 24.14S–.08 179.8E–.10 521–16 3.7b,3.2
NEIC XII 29 13 09 22.0–1.1 24.13S 179.87E 523–13 4.6b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=35.3km s-min=25.4km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=13.0km az=8.7.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=14.5km az=139.0.
IDC XII 29 13 18 33.7–6.4 23.29S 178.42W 0 3.9,3.8b
¶12079401

IDC Error ellipse: s-maj=180.5km s-min=101.6km az=145.0.
ISC XII 31 13 52 45.4–.87 24.25S–.05 179.71W–.10 506–10 4.0b 55 5-169
ISCJB XII 31 13 52 43.5–.81 24.13S–.05 179.76W–.10 493–10 4.0b ¶13404481
IDC XII 31 13 52 43.1–3.5 24.05S 179.64W 481–36 3.8,3.7
NEIC XII 31 13 52 44.1–.77 24.08S 179.66W 496–8 4.3b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=7.1km az=177.4.
IDC Error ellipse: s-maj=22.8km s-min=14.9km az=65.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=11.0km az=110.0.
ISC XII 31 14 02 26.8–.10 25.92S–.03 177.62W–.04 159 5.2b 658 3-176
SZGRF XII 31 14 02 00.3 29.50S 176.50W 33 5.2b ¶13404483
DJA XII 31 14 02 19 25.35S 177.58W 68 5.6b
MOS XII 31 14 02 22.7–.76 25.13S 177.62W 116 5.4b
BJI XII 31 14 02 25.8 25.02S 176.96W 157 5.3b,5.3b
ISCJB XII 31 14 02 25.5–.10 25.83S–.02 177.66W–.03 157 5.2b,5.3b
IDC XII 31 14 02 26.4–2.0 25.29S 177.59W 143–17 5.1,5.1
NEIC XII 31 14 02 27.4–.10 25.38S 177.61W 155 5.3b,5.3W
GCMT XII 31 14 02 28.9–.20 25.33S 177.20W 159–1 5.3W,5.3W
BGS XII 31 14 02 30.4–3.4 25.38S 177.61W 155–0 5.3b,5.3W
ISC Event type se.
SZGRF Kermadec Islands region.
MOS Error ellipse: s-maj=9.5km s-min=7.8km az=76.3.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=2.3km az=30.8.
IDC Error ellipse: s-maj=11.7km s-min=11.2km az=78.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.4km az=143.0. Moment Tensor Solution. s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s202.00000°,δ23.00000°,λ-104.00000°. NP2:ϕ_s37.00000° ,δ68.00000°,λ-84.00000°. Principal axes: T 1.3000,Plg22.0000°,Azm122.0000° ; N -0.1100,Plg5.0000°,Azm215.0000°; P -1.1900,Plg66.0000°,Azm318.0000° M_o1.20000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c111; s97,c175; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s167.00000°,δ34.00000°,λ-125.00000°. NP2:ϕ_s26.00000° ,δ63.00000°,λ-69.00000°. Principal axes: T 1.1500,Plg15.0000°,Azm101.0000° ; N 0.0300,Plg18.0000°,Azm196.0000°; P -1.1800,Plg66.0000°,Azm334.0000° M_o1.20000×10^{17}
BGS Error ellipse: s-maj=320.2km s-min=999.9km az=-1.0.

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IDC VII 01 14 01 57.1–5.0 17.14S 174.83W 158–39 3.9,3.8b
¶12697918

IDC Error ellipse: s-maj=144.0km s-min=29.7km az=146.0.
ISC VII 01 20 30 04.6–.86 17.3S–.10 173.9W–.20 35 4.4b,3.7s 15 4-150
IDC VII 01 20 29 60.0–.99 17.42S 173.97W 0 4.5,4.2 ¶11341932
NEIC VII 01 20 30 00.9–.85 17.25S 173.88W 10 4.4b,4.2
ISCJB VII 01 20 30 02.6–.86 17.2S–.20 173.9W–.20 33 4.4b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 02 19 30 37.4–.69 15.4S–.20 173.2W–.20 35 3.9b 12 2-146
IDC VII 02 19 30 31.7–.91 15.36S 173.19W 0 4.3,4.0 ¶11799292
NEIC VII 02 19 30 33.5–.57 15.31S 173.25W 10 4.1b,4.0
ISCJB VII 02 19 30 35.5–.68 15.3S–.20 173.3W–.20 33 3.9b,4.0
ISC Event type se.

NEIC Event type se.
ISCJB Event type se.
IDC VII 03 16 45 24.5–55 18.75S 174.23W 0 3.9,3.8b
¶12697985
IDC Error ellipse: s-maj=1041.0km s-min=173.5km az=82.0.
ISC VII 04 12 38 00.2–1.9 17.9S–.20 174.6W–.20 68–18 4.1b 19 5-149
ISCJB VII 04 12 37 58.5–2.2 17.8S–.20 174.7W–.20 67–20 4.1b **¶11810607**
IDC VII 04 12 38 00.7–3.3 17.88S 174.63W 74–30 4.0,3.8b
NEIC VII 04 12 38 01.0–1.3 17.90S 174.60W 80–12 4.4b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.6km s-min=13.7km az=137.6.
IDC Error ellipse: s-maj=36.1km s-min=14.6km az=142.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=8.8km az=137.0.
ISC VII 05 13 51 38.5–1.8 16.7S–.20 174.1W–.20 92–18 3.9b 14 4-147
ISCJB VII 05 13 51 37.4–1.9 16.6S–.20 174.2W–.20 95–18 3.9b **¶11810704**
IDC VII 05 13 51 39.3–2.9 16.75S 174.11W 100–27 4.0,3.8
NEIC VII 05 13 51 39.5–1.5 16.77S 174.10W 105–18 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=38.7km s-min=15.3km az=136.5.
IDC Error ellipse: s-maj=37.4km s-min=15.2km az=139.0.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=14.2km az=128.0.
ISC VII 07 04 44 54.4–1.5 16.50S–.04 174.11W–.04 110–13 5.0b 618 3-161
ISCJB VII 07 04 44 48.5–1.3 16.39S–.04 174.17W–.04 70–11 5.0b **¶13388396**
IDC VII 07 04 44 48.9–1.8 16.41S 174.07W 59–15 4.9,4.9
BJI VII 07 04 44 54.0 16.12S 173.79W 115 5.1b,5.1b
MOS VII 07 04 44 55.3–1.5 15.97S 173.82W 103 5.1b,4.5s
NEIC VII 07 04 44 55.6–.17 16.43S 174.05W 116 5.5W,5.0b
SZGRF VII 07 04 44 57.6 15.91S 173.48W 130 5.5W,5.0b
GCMT VII 07 04 44 59.6–.10 16.44S 173.71W 128–1 5.5W,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.8km az=147.1.
IDC Error ellipse: s-maj=18.9km s-min=10.2km az=132.0.
MOS Error ellipse: s-maj=11.4km s-min=7.7km az=54.7.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=154.0. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.42 $M_{\theta\theta}$-1.57 $M_{\phi\phi}$1.15 $M_{r\theta}$-1.22 $M_{\theta\phi}$-0.74 $M_{\phi r}$-1.22 Best double couple: NP1:ϕ_p218.00000°,δ84.00000°,λ51.00000°. NP2:ϕ_s121.00000° ,δ40.00000°,λ170.00000°. Principal axes: T 2.0700,Plg38.0000°,Azm93.0000° ; N 0.4900,Plg39.0000°,Azm223.0000°; P -2.5500,Plg27.0000°,Azm338.0000° $M_0$2.30000×10^{17}
SZGRF Tonga Islands.
GCMT Event type se. Data Used: ll IU IC G CN. Surface waves: sta=110, comp=219, per= 50. Moment Tensor Solution. s92,c173; s6,c7; Moment tensor: Scale 10^{17}Nm; M_{rr}0.73±.03 $M_{\theta\theta}$-1.54±.04; $M_{\phi\phi}$0.81±.04; $M_{r\theta}$-1.54±.02; $M_{\theta\phi}$0.14±.04; $M_{\phi r}$-1.38±.02; Best double couple: NP1:ϕ_s128.00000°,δ30.00000°,λ161.00000°. NP2:ϕ_s235.00000°,δ80.00000°,λ61.00000°. Principal axes: T 2.5200,Plg47.0000°,Azm116.0000°; N -0.1100,Plg28.0000°,Azm241.0000° ; P -2.4100,Plg30.0000°,Azm348.0000° $M_0$2.50000×10^{17}
ISC VII 08 06 21 21.5–1.3 16.9S–.20 175.0W–.20 304–16 3.7b 10 4-146
ISCJB VII 08 06 21 20.7–1.3 16.9S–.20 175.0W–.20 311–16 3.7b **¶11810970**
IDC VII 08 06 21 22.8–2.1 16.88S 174.98W 319–22 3.7,3.4b
NEIC VII 08 06 21 22.6–1.4 16.90S 174.97W 322–16 4.0b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=44.5km s-min=19.6km az=137.5.
IDC Error ellipse: s-maj=42.8km s-min=17.1km az=143.0.
NEIC Event type se. Error ellipse: s-maj=40.0km s-min=17.6km az=139.0.
ISC VII 08 06 24 41.9–1.3 15.3S–.20 174.9W–.20 212–15 4.0b 16 3-147
ISCJB VII 08 06 24 40.9–1.4 15.3S–.20 174.9W–.20 217–16 4.0b **¶11810971**
IDC VII 08 06 24 41.9–1.4 15.32S 174.79W 215–16 4.0,3.8b
NEIC VII 08 06 24 42.2–1.3 15.26S 174.83W 220–13 4.4b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.1km s-min=17.7km az=135.9.
IDC Error ellipse: s-maj=29.1km s-min=14.0km az=135.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=13.3km az=134.0.
ISC VII 08 13 39 40.1–1.5 18.8S–.20 174.9W–.20 227–22 3.8b 11 6-78
IDC VII 08 13 39 36.1–2.7 18.92S 175.39W 144–35 3.8b,3.8 **¶11810990**
ISCJB VII 08 13 39 39.9–1.7 18.8S–.20 175.0W–.20 240–23 3.8b,3.8
NEIC VII 08 13 39 40.1–1.3 18.83S 174.94W 228–17 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=49.5km s-min=20.0km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=36.2km s-min=17.1km az=147.8.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=16.3km az=151.0.
IDC VII 09 09 02 04.4–2.4 17.27S 175.35W 239–29 3.8,3.7b
NEIC VII 09 09 02 04.5–1.4 17.25S 175.34W 242–19 4.2b,3.7b **¶11811068**
IDC Error ellipse: s-maj=35.1km s-min=23.2km az=126.0.
NEIC Event type se. Error ellipse: s-maj=35.9km s-min=18.6km az=129.0.
ISC VII 09 14 32 21.7–1.1 16.8S–.30 174.9W–.20 314–19 3.8b 11 4-57
ISCJB VII 09 14 32 21.1–1.0 16.8S–.20 174.9W–.20 323–18 3.7b **¶11811085**
NEIC VII 09 14 32 22.1–1.0 16.89S 174.92W 314–15 3.7b
IDC VII 09 14 32 23.1–2.0 16.65S 174.23W 382–126 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=42.2km s-min=19.5km az=154.0.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=17.6km az=159.0.
IDC Error ellipse: s-maj=166.1km s-min=32.3km az=71.0.
ISC VII 10 19 24 50.4–3.1 16.8S–.50 174.3W–.30 153–21 3.4b 9 4-147
ISCJB VII 10 19 24 49.6–3.1 16.8S–.50 174.3W–.30 159–22 3.4b **¶11811199**
IDC VII 10 19 24 49.9–3.7 17.14S 174.11W 157–27 3.6,3.4
NEIC VII 10 19 24 49.7–2.5 17.14S 174.12W 156–17 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=90.7km s-min=23.5km az=146.0.
IDC Error ellipse: s-maj=83.3km s-min=19.3km az=148.0.
NEIC Event type se. Error ellipse: s-maj=66.6km s-min=16.9km az=148.0.
IDC VII 10 23 46 36.9–57 17.45S 174.91W 0 4.4,4.2b
¶12698126
IDC Error ellipse: s-maj=1068.0km s-min=170.6km az=80.0.
ISC VII 11 09 57 31.8–1.2 20.60S–.05 175.94W–.06 147–11 4.6b 93 6-172
ISCJB VII 11 09 57 32.4–1.2 20.66S–.05 175.99W–.05 167–11 4.6b **¶11783270**
SZGRF VII 11 09 57 35.4 20.60S 178.08W 176 4.6b
IDC VII 11 09 57 35.1–.62 20.57S 175.96W 179–5 4.5,4.5
NEIC VII 11 09 57 35.2–.94 20.64S 175.95W 182–8 4.7b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.8km az=37.3.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=18.7km s-min=10.3km az=140.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.0km az=141.0.
ISC VII 12 03 43 27.6–.82 15.4S–.30 174.3W–.20 35 4.2b,3.9s 27 3-146
IDC VII 12 03 43 21.9–1.6 15.49S 174.21W 0 4.5,4.3 **¶11136605**
ISCJB VII 12 03 43 25.6–.81 15.4S–.30 174.3W–.20 33 4.2b,3.9s
NEIC VII 12 03 43 27.4–.51 15.40S 174.33W 35 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=123.7km s-min=18.2km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=50.8km s-min=12.3km az=150.6.
NEIC Event type se. Error ellipse: s-maj=31.5km s-min=8.6km az=150.0.
ISC VII 12 11 00 57.7–.75 17.8S–.20 174.0W–.20 35 4.2b 14 4-153
ISCJB VII 12 11 00 55.7–.75 17.8S–.20 174.0W–.20 33 4.2b **¶11136606**
IDC VII 12 11 00 57.5–5.4 17.78S 173.97W 36–45 3.9,3.8
NEIC VII 12 11 00 57.7–7.5 18.32S 173.73W 48–69 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.6km s-min=9.3km az=35.4.
IDC Error ellipse: s-maj=45.3km s-min=17.9km az=137.0.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=19.1km az=154.0.
IDC VII 14 08 27 59.8–2.9 18.07S 173.08W 0 4.1,3.8b
¶12698208
IDC Error ellipse: s-maj=305.2km s-min=33.1km az=158.0.
IDC VII 14 17 37 00.2–58 16.38S 174.30W 0 4.2,4.0b
¶12698218
IDC Error ellipse: s-maj=1113.0km s-min=181.9km az=79.0.
IDC VII 15 06 30 40.5–3.5 15.04S 173.44W 0 4.3,4.1b
¶12698225
IDC Error ellipse: s-maj=246.0km s-min=25.7km az=151.0.
IDC VII 15 17 45 02.9–2.9 19.70S 175.98W 175–36 3.8b,3.8
NEIC VII 15 17 45 03.1–1.8 19.72S 175.94W 180–27 4.2b,3.8 **¶11811672**
IDC Error ellipse: s-maj=34.6km s-min=22.4km az=105.0.

NEIC Event type se. Error ellipse: s-maj=27.2km s-min=16.1km az=103.0.
ISC VII 16 04 38 36.5–.70 15.7S–.20 173.2W–.20 35 4.0b,3.6s 14 2-147
IDC VII 16 04 38 31.1–1.6 15.78S 173.06W 0 4.3,4.1 **¶11153427**
NEIC VII 16 04 38 32.8–.53 15.75S 173.11W 10 4.4b,4.1
ISCJB VII 16 04 38 34.7–.69 15.7S–.20 173.2W–.20 33 4.0b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 16 12 40 41.8–1.4 16.29S 173.07W 0 4.2,4.1b
¶12698249
IDC Error ellipse: s-maj=39.4km s-min=27.1km az=122.0.
ISC VII 16 13 08 28.0–.54 16.4S–.10 173.5W–.10 35 4.2b,4.1s 21 3-147
IDC VII 16 13 08 22.2–.79 16.45S 173.24W 0 4.3,4.1 **¶11153431**
NEIC VII 16 13 08 24.0–.59 16.18S 173.42W 10 4.7b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=19.2km az=132.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=14.0km az=133.0.
ISC VII 17 09 48 44.2–3.7 18.60S–.06 173.15W–.05 12–22 4.9b,4.5s 403 5-173
ISCJB VII 17 09 48 42.9–.19 18.56S–.06 173.17W–.04 13 4.9b,4.5s **¶11132453**
BJI VII 17 09 48 43.9 18.40S 173.30W 16 5.4b,5.3b
NEIC VII 17 09 48 46.0–3.1 18.41S 173.28W 22–21 4.9b,5.3b
GCMT VII 17 09 48 47.2–.20 18.59S 172.54W 14–0 4.9W,5.3b
IDC VII 17 09 48 47.0–3.1 18.66S 173.26W 32–22 4.7,4.6
SZGRF VII 17 09 48 48.6 18.21S 172.36W 33 4.7,4.6
MOS VII 17 09 48 48.9–1.1 18.29S 173.42W 33 5.2b,4.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=148.9.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.3km az=137.0.
GCMT Event type se. Data Used: ll IU IC CN G. Moment Tensor Solution. s34,c46; s78,c108; Moment tensor: Scale 10^{16}Nm; M_{rr}3.56±.16 $M_{\theta\theta}$-1.04±.11; $M_{\phi\phi}$-2.52±.11; $M_{r\theta}$0.45±.25; $M_{\theta\phi}$-0.89±.08; $M_{\phi r}$0.59±.21; Best double couple: NP1:ϕ_s203.00000°,δ39.00000°,λ87.00000°. NP2:ϕ_s27.00000°,δ51.00000°,λ93.00000°. Principal axes: T 3.6500,Plg83.0000° ,Azm314.0000°; N -0.6300,Plg2.0000°,Azm206.0000°; P -3.0200,Plg6.0000°,Azm116.0000° $M_0$3.30000×10^{16}
IDC Error ellipse: s-maj=21.7km s-min=13.7km az=150.0.
SZGRF Tonga Islands region.
MOS Error ellipse: s-maj=13.1km s-min=8.4km az=57.1.
IDC VII 18 03 14 11.1–7.6 16.88S 174.40W 0 3.8,3.6
¶12698278
IDC Error ellipse: s-maj=330.4km s-min=38.6km az=140.0.
IDC VII 18 06 56 49.9–4.0 18.92S 175.84W 0 4.3,4.1b
¶12698283
IDC Error ellipse: s-maj=162.4km s-min=34.2km az=142.0.
IDC VII 18 06 59 06.8–31 16.03S 175.72W 0 4.2,4.0b
¶12698284
IDC Error ellipse: s-maj=618.5km s-min=161.6km az=85.0.
IDC VII 19 15 08 38.5–24 16.08S 174.22W 0 4.4,4.2b
¶12698325
IDC Error ellipse: s-maj=457.0km s-min=147.8km az=71.0.
IDC VII 20 06 55 04.0–.92 15.01S 173.52W 0 4.1,3.9
¶12698342
IDC Error ellipse: s-maj=50.0km s-min=20.1km az=138.0.
ISC VII 21 04 04 45.9–2.6 15.4S–.70 174.5W–.50 119–23 3.6b 7 3-145
ISCJB VII 21 04 04 44.4–2.7 15.4S–.80 174.5W–.50 121–25 3.6b **¶12698360**
IDC VII 21 04 04 46.3–2.8 15.51S 174.48W 127–26 3.8,3.6
ISCJB Error ellipse: s-maj=143.9km s-min=27.5km az=150.8.
IDC Error ellipse: s-maj=100.5km s-min=21.8km az=150.0.
ISC VII 21 22 21 39.4–1.1 17.39S–.07 174.35W–.07 65–10 4.1b 42 4-150
ISCJB VII 21 22 21 37.6–1.3 17.38S–.07 174.38W–.07 63–11 4.3b **¶11153552**
IDC VII 21 22 21 40.0–3.0 17.44S 174.32W 70–28 4.3,4.1
NEIC VII 21 22 21 39.8–.58 17.39S 174.35W 70–5 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=8.8km az=136.3.
IDC Error ellipse: s-maj=28.5km s-min=16.3km az=138.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.2km az=138.0.
ISC VII 22 07 19 46.5–.85 15.35S–.09 174.28W–.06 143–7 4.4b 342 3-150
ISCJB VII 22 07 19 45.1–.87 15.35S–.09 174.29W–.06 144–7 4.4b **¶11153557**
IDC VII 22 07 19 45.8–1.4 15.35S 174.26W 145–14 4.3,4.2
NEIC VII 22 07 19 46.7–.78 15.15S 174.36W 145–7 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=5.1km az=148.1.
IDC Error ellipse: s-maj=26.3km s-min=11.8km az=133.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=4.1km az=147.0.
ISC VII 22 08 39 31.5–1.4 18.29S–.07 174.91W–.05 87–12 4.6b 246 5-165
SZGRF VII 22 08 39 28.2 17.06S 175.37W 33 4.6b **¶11153558**
ISCJB VII 22 08 39 29.7–1.5 18.31S–.07 174.93W–.05 86–13 4.6b
IDC VII 22 08 39 31.5–2.9 18.37S 174.76W 90–27 4.6,4.6
NEIC VII 22 08 39 32.0–1.0 18.25S 174.89W 96–9 4.6b,4.6
ISC Event type se.
SZGRF Tonga Islands.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.0km az=156.6.
IDC Error ellipse: s-maj=22.1km s-min=13.6km az=130.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.8km az=151.0.
IDC VII 22 18 34 45.5–2.2 15.35S 173.05W 0 4.1,3.7b
¶12698390
IDC Error ellipse: s-maj=115.0km s-min=26.7km az=145.0.
IDC VII 22 18 40 46.6–14 18.91S 175.32W 0 3.9s,3.9
¶12698391
IDC Error ellipse: s-maj=704.3km s-min=44.8km az=142.0.
ISC VII 22 22 46 23.0–.20 15.20S–.06 173.11W–.04 66 4.9b 609 2-154
BJI VII 22 22 46 13.7 15.10S 173.00W 10 5.3b,5.1b **¶11136721**
NEIC VII 22 22 46 15.8–.18 15.13S 173.03W 10 5.2b,5.0s
MOS VII 22 22 46 16.8–1.2 14.91S 173.06W 20 5.3b,5.0s
SZGRF VII 22 22 46 17.7 15.85S 172.84W 33 4.9b,5.0s
ISCJB VII 22 22 46 21.2–.20 15.16S–.06 173.11W–.04 64 5.1b,5.0s
IDC VII 22 22 46 23.7–.54 15.31S 173.01W 76–4 4.7,4.7
GCMT VII 22 22 46 24.9–.20 14.79S 173.10W 12 5.4W,4.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.9km az=147.0.
MOS Error ellipse: s-maj=11.7km s-min=7.3km az=60.4.
SZGRF Samoa Islands region.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.3km az=157.3.
IDC Error ellipse: s-maj=19.5km s-min=10.6km az=136.0.
GCMT Event type se. Data Used: ll IU IC G CN. Moment Tensor Solution. s50,c73; s91,c143; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.33±.01 $M_{\theta\theta}$0.48±.02; $M_{\phi\phi}$-0.15±.02; $M_{r\theta}$-1.51±.03; $M_{\theta\phi}$0.21±.01; $M_{\phi r}$0.23±.03; Best double couple: NP1:ϕ_s221.00000°,δ12.00000°,λ-147.00000°. NP2:ϕ_s98.00000°,δ83.00000°,λ-80.00000°. Principal axes: T 1.6400,Plg37.0000° ,Azm179.0000°; N -0.0800,Plg10.0000°,Azm277.0000°; P -1.5600,Plg51.0000° ,Azm20.0000° $M_0$1.60000×10^{17}
IDC VII 23 03 03 22.0–2.0 15.27S 173.09W 0 3.9,3.7
¶12698396
IDC Error ellipse: s-maj=111.6km s-min=25.2km az=147.0.
IDC VII 23 10 41 36.1–1.7 15.27S 173.18W 0 4.0,3.9
¶11153608
IDC Error ellipse: s-maj=115.8km s-min=20.0km az=144.0.
ISC VII 23 14 37 39.5–2.4 15.1S–.20 173.9W–.30 76–21 3.8b 14 2-146
ISCJB VII 23 14 37 38.3–2.6 15.0S–.20 174.0W–.20 80–22 3.8b **¶11812442**
IDC VII 23 14 37 40.0–3.0 15.10S 173.94W 81–27 4.1,3.8b
NEIC VII 23 14 37 40.1–1.7 15.10S 173.93W 83–15 3.9b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=50.7km s-min=16.9km az=42.1.
IDC Error ellipse: s-maj=45.1km s-min=17.6km az=133.0.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=12.0km az=129.0.
IDC VII 23 17 36 42.7–6.9 15.74S 173.02W 0 4.1,3.9
¶12698406
IDC Error ellipse: s-maj=333.9km s-min=33.4km az=135.0.
ISC VII 23 20 32 18.8–7.4 19.8S–.10 174.9W–.10 7–49 4.2b 17 7-150
IDC VII 23 20 32 17.8–.87 19.72S 174.97W 0 4.6L,4.4 **¶11812473**
NEIC VII 23 20 32 21.7–3.9 19.76S 174.90W 28–30 4.4b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=20.3km az=129.0.

NEIC Event type se. Error ellipse: s-maj=16.1km s-min=11.4km az=131.0.
IDC VII 23 20 47 02.3–3.0 21.65S 175.79W 0 4.4,4.2b
NEIC VII 23 20 47 06.5–2.3 21.88S 175.63W 35 4.1b,4.2b ¶11812476
IDC Error ellipse: s-maj=155.9km s-min=41.0km az=152.0.
NEIC Event type se. Error ellipse: s-maj=98.3km s-min=26.8km az=149.0.
ISC VII 24 08 35 19.4–1.1 15.2S–.30 173.1W–.30 35 4.0b 13 2-149
IDC VII 24 08 35 14.0–1.2 15.40S 173.16W 0 4.3,4.1 ¶11812517
ISCJB VII 24 08 35 17.2–1.0 15.2S–.30 173.1W–.30 33 4.0b,4.1
NEIC VII 24 08 35 23.5–1.3 14.62S 172.94W 40–13 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=68.2km s-min=21.0km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=56.4km s-min=9.3km az=142.2.
NEIC Event type se. Error ellipse: s-maj=60.6km s-min=12.1km az=155.0.
IDC VII 24 10 11 03.5–1.9 15.30S 173.33W 0 4.1,3.9
NEIC VII 24 10 11 05.2–1.5 15.23S 173.35W 10 4.1,3.9 ¶11812521
IDC Error ellipse: s-maj=117.4km s-min=23.8km az=149.0.
NEIC Event type se. Error ellipse: s-maj=88.9km s-min=16.1km az=149.0.
IDC VII 24 16 46 55.0–3.3 15.81S 175.37W 0 4.1,4.0b
¶12698421
IDC Error ellipse: s-maj=128.9km s-min=28.9km az=136.0.
IDC VII 25 06 06 15.4–1.5 15.50S 173.00W 0 4.2,4.0
¶12698427
IDC Error ellipse: s-maj=93.2km s-min=19.5km az=143.0.
ISC VII 25 12 37 01.8–.52 15.7S–.10 173.1W–.10 35 4.3b 27 2-147
IDC VII 25 12 36 56.0–.78 15.75S 172.92W 0 4.4,4.3 ¶11812588
NEIC VII 25 12 36 57.8–.62 15.57S 173.02W 10 4.6b,4.3
ISCJB VII 25 12 36 59.9–.52 15.6S–.10 173.2W–.10 33 4.3b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 27 12 37 59.5–3.7 19.88S 175.84W 183–34 3.4,3.3
¶12698458
IDC Error ellipse: s-maj=42.3km s-min=21.5km az=137.0.
IDC VII 28 15 29 11.0–2.3 15.36S 173.08W 0 3.9,3.7
¶12698469
IDC Error ellipse: s-maj=127.3km s-min=19.4km az=140.0.
IDC VII 30 11 04 39.3–1.8 16.02S 174.96W 253–18 3.7,3.5b
¶12698494
IDC Error ellipse: s-maj=55.5km s-min=20.4km az=145.0.
ISC VII 31 08 28 14.8–.41 21.0S–.10 175.4W–.20 35 4.5b 28 8-172
IDC VII 31 08 28 09.1–.57 21.09S 175.34W 0 4.5,4.4 ¶11342385
NEIC VII 31 08 28 10.7–.24 20.98S 175.45W 10 4.7b,4.4
ISCJB VII 31 08 28 13.2–.39 20.95S–.09 175.5W–.20 33 4.5b,4.4
ISC Event type fe.
NEIC Event type fe. Felt at Nuku'alofa.
ISCJB Event type fe.
ISC VIII 02 21 11 53.7–1.7 17.6S–.20 175.5W–.20 225–18 3.9b 18 5-85
ISCJB VIII 02 21 11 51.9–1.5 17.4S–.20 175.5W–.20 220–17 3.9b ¶11907717
NEIC VIII 02 21 11 53.6–1.2 17.57S 175.45W 225–13 3.8b
IDC VIII 02 21 11 53.7–2.4 17.58S 175.42W 226–25 3.9,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.4km s-min=14.8km az=140.6.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=11.2km az=141.0.
IDC Error ellipse: s-maj=37.4km s-min=15.4km az=135.0.
ISC VIII 03 10 41 49.4–.60 19.1S–.10 173.8W–.10 35 4.6b,3.8s 36 6-149
IDC VIII 03 10 41 44.3–.96 19.06S 173.79W 0 4.5,4.4 ¶11907732
ISCJB VIII 03 10 41 47.4–.60 19.2S–.10 173.8W–.10 33 4.6b,3.8s
NEIC VIII 03 10 41 49.5–.63 19.04S 173.75W 35 4.9b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=18.1km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=9.4km az=142.5.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=9.4km az=142.0.
ISC VIII 03 17 36 22.4–4.3 18.24S–.09 173.3W–.10 22–30 4.1b,3.3s 27 5-148
ISCJB VIII 03 17 36 19.6–4.3 18.23S–.10 173.3W–.10 15–30 4.1b,3.3s ¶11907739
IDC VIII 03 17 36 19.3–.98 18.36S 173.31W 0 4.3,4.2
NEIC VIII 03 17 36 20.7–5.4 18.29S 173.26W 11–33 3.9b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=9.1km az=38.5.
IDC Error ellipse: s-maj=40.3km s-min=17.5km az=139.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=9.4km az=137.0.
ISC VIII 07 16 21 54.2–1.2 20.20S–.06 175.86W–.07 216–12 4.2b 62 6-173
IDC VIII 07 16 21 44.8–3.0 19.98S 175.82W 126–27 4.2,4.2 ¶11907901
ISCJB VIII 07 16 21 50.6–1.5 20.14S–.06 175.84W–.05 196–15 4.2b,4.2
NEIC VIII 07 16 21 53.4–1.4 20.12S 175.89W 208–13 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=13.6km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.9km az=155.2.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.1km az=162.0.
ISC VIII 09 07 01 00.1–1.7 16.7S–.10 174.1W–.20 99–18 4.1b 16 4-149
ISCJB VIII 09 07 00 58.8–1.7 16.7S–.10 174.2W–.20 100–18 4.1b ¶11907983
NEIC VIII 09 07 01 05.7–.47 16.76S 174.23W 147 4.1b
IDC VIII 09 07 01 05.1–.98 16.84S 174.09W 144–8 3.9,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=14.6km az=34.3.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=12.1km az=121.0.
IDC Error ellipse: s-maj=33.9km s-min=16.8km az=130.0.
IDC VIII 09 09 37 47.4–1.7 20.46S 173.60W 0 3.9,3.8
¶12580987
IDC Error ellipse: s-maj=80.2km s-min=29.3km az=145.0.
ISC VIII 09 16 42 45.0–.68 15.4S–.20 174.2W–.20 35 4.1b 18 3-146
IDC VIII 09 16 42 39.9–.86 15.44S 174.08W 0 4.2,4.1 ¶11908002
NEIC VIII 09 16 42 40.4–.83 15.40S 173.92W 10 4.5b,4.1
ISCJB VIII 09 16 42 43.0–.68 15.4S–.20 174.2W–.20 33 4.1b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 10 05 19 52.0–.17 18.94S–.06 174.65W–.04 122 4.8b 365 6-173
IDC VIII 10 05 19 46.8–5.0 18.90S 174.61W 75–44 5.1L,4.7 ¶11167599
ISCJB VIII 10 05 19 50.3–.16 18.92S–.05 174.69W–.04 120 4.8b,4.7
BJI VIII 10 05 19 50.5 18.73S 174.31W 124 5.0b,4.9b
NEIC VIII 10 05 19 51.5–.21 18.86S 174.68W 120 4.7b,4.9b
GCMT VIII 10 05 19 54.4–.40 18.85S 174.06W 135–4 5.0W,4.9b
DJA VIII 10 05 20 34 19.86S 176.31W 465 4.9b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=16.0km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.7km az=155.4.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.4km az=157.0.
GCMT Event type se. Data Used: II IC IU G. Moment Tensor Solution. s23,c25; s69,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.29±.18 $M_{\theta\theta}$-0.57±.25; $M_{\phi\phi}$1.86±.23; $M_{r\theta}$2.08±.12; $M_{\theta\phi}$-0.09±.27; $M_{\phi r}$2.16±.12; Best double couple: NP1:ϕ_s331.00000°,δ24.00000°,λ-152.00000°. NP2:ϕ_s216.00000°,δ79.00000°,λ-69.00000°. Principal axes: T 3.2000,Plg31.0000° ,Azm288.0000°; N 0.4200,Plg21.0000°,Azm31.0000°; P -3.6100,Plg51.0000°,Azm150.0000° M_o3.40000×10^{16}
ISC VIII 12 17 47 15.7–1.9 19.2S–.10 175.6W–.20 155–20 3.7b 15 6-152
ISCJB VIII 12 17 47 14.3–2.1 19.27S–.10 175.6W–.20 159–21 3.7b ¶11908118
IDC VIII 12 17 47 16.0–2.8 19.25S 175.53W 162–26 3.8,3.7
NEIC VIII 12 17 47 18.5–1.7 19.26S 175.19W 198–16 4.3b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=14.1km az=21.7.
IDC Error ellipse: s-maj=31.6km s-min=16.2km az=138.0.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=17.0km az=136.0.
IDC VIII 14 02 19 25.9–28 19.98S 173.13W 0 4.3,4.1s
¶12581071
IDC Error ellipse: s-maj=515.4km s-min=162.2km az=74.0.
IDC VIII 14 17 39 49.4–16 21.90S 175.15W 0 4.6,4.4
¶12581080
IDC Error ellipse: s-maj=312.3km s-min=149.1km az=80.0.
IDC VIII 15 07 43 52.3–2.7 17.65S 174.76W 150–25 3.7,3.5b
¶12581094
IDC Error ellipse: s-maj=47.6km s-min=17.6km az=136.0.
ISC VIII 15 15 44 58.0–1.8 18.7S–.20 174.7W–.20 68–17 4.1b 13 6-149
ISCJB VIII 15 15 44 55.6–2.2 18.8S–.20 174.8W–.20 60–20 4.2b ¶11908257
NEIC VIII 15 15 44 57.9–1.5 18.71S 174.75W 68–14 4.7b
IDC VIII 15 15 44 57.8–3.4 18.70S 174.76W 67–34 4.1,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.0km s-min=16.9km az=142.0.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=12.4km az=140.0.
IDC Error ellipse: s-maj=52.7km s-min=22.5km az=126.0.
ISC VIII 16 04 46 45.7–1.2 16.68S–.06 174.59W–.04 142–11 4.7b 507 4-156
ISCJB VIII 16 04 46 42.7–1.1 16.64S–.06 174.60W–.04 128–9 4.8b ¶11184367
BJI VIII 16 04 46 43.9 17.20S 173.81W 176 5.1b,4.8b
IDC VIII 16 04 46 45.4–2.0 16.85S 174.45W 144–17 4.7,4.6
NEIC VIII 16 04 46 46.3–.75 16.63S 174.61W 149–6 4.8b,4.6
SZGRF VIII 16 04 46 48.9 17.75S 175.60W 188 4.8b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=5.1km az=149.9.
IDC Error ellipse: s-maj=20.2km s-min=11.4km az=129.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.5km az=149.0.
SZGRF Tonga Islands.
ISC VIII 16 14 12 43.6–.91 16.2S–.20 173.4W–.20 35 4.0b 12 3-147
IDC VIII 16 14 12 38.7–2.4 16.38S 173.35W 0 4.1,3.9 ¶11908308
NEIC VIII 16 14 12 40.7–1.0 16.30S 173.29W 15 4.6b,3.9
ISCJB VIII 16 14 12 41.7–.90 16.2S–.20 173.4W–.20 33 4.0b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 16 15 32 39.5–1.1 15.9S–.30 173.4W–.30 35 4.0b 12 3-147
IDC VIII 16 15 32 34.9–1.1 16.16S 173.40W 0 4.1,4.0 ¶11908310
NEIC VIII 16 15 32 37.1–1.0 16.08S 173.40W 15 4.1,4.0
ISCJB VIII 16 15 32 38.0–1.0 15.8S–.30 173.5W–.30 33 4.0b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 18 15 20 31.7–7.7 17.21S 175.01W 0 4.0,3.7b
¶12581175
IDC Error ellipse: s-maj=346.4km s-min=34.6km az=141.0.
IDC VIII 18 15 23 42.4–3.2 17.25S 175.10W 0 4.2,3.9
¶12581176
IDC Error ellipse: s-maj=173.5km s-min=26.7km az=148.0.
IDC VIII 18 20 57 36.8–27 19.75S 174.44W 0 4.2,4.1b
¶12581182
IDC Error ellipse: s-maj=500.5km s-min=160.1km az=74.0.
ISC VIII 19 13 37 31.2–.20 15.06S–.06 173.39W–.04 35 5.3s,5.0b 616 2-175
IDC VIII 19 13 37 25.9–.48 15.06S 173.47W 0 5.2s,5.2 ¶11169878
NEIC VIII 19 13 37 28.2–.25 14.92S 173.25W 10 5.7W,5.4s
ISCJB VIII 19 13 37 29.5–.21 15.03S–.06 173.35W–.04 33 5.3s,5.0b
BJI VIII 19 13 37 31.6 14.21S 174.10W 10 5.6b,5.4s
MOS VIII 19 13 37 33.6–1.5 14.23S 172.95W 33 5.3s,5.3b
GCMT VIII 19 13 37 34.5–.10 14.83S 173.17W 13–0 5.6W,5.3b
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=14.0km az=148.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.4km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.7km az=159.4.
MOS Error ellipse: s-maj=11.3km s-min=8.0km az=53.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=220, per= 50. Moment Tensor Solution. s87,c157; s36,c36; Moment tensor: Scale 10^{17}Nm; M_{rr}0.46±.03 $M_{\theta\theta}$1.21±.03; $M_{\phi\phi}$-1.66±.03; $M_{r\theta}$0.57±.07; $M_{\theta\phi}$1.70±.03; $M_{\phi r}$1.94±.15; Best double couple: NP1:ϕ_s111.00000°,δ47.00000°,λ7.00000°. NP2:ϕ_s16.00000°,δ85.00000°,λ137.00000°. Principal axes: T 2.8900,Plg33.0000°,Azm324.0000°; N 0.2800,Plg46.0000°,Azm191.0000° ; P -3.1600,Plg25.0000°,Azm72.0000° M_o3.00000×10^{17}
ISC VIII 19 14 26 25.7–.80 15.1S–.20 173.7W–.20 35 4.3b,4.1s 17 2-149
IDC VIII 19 14 26 20.1–1.1 15.19S 173.64W 0 4.5,4.3 ¶11232302
NEIC VIII 19 14 26 21.7–.66 15.13S 173.67W 10 4.5b,4.3
ISCJB VIII 19 14 26 24.2–.89 15.1S–.20 173.6W–.30 33 4.3b,4.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 19 15 48 05.2–1.7 16.6S–.80 174.9W–.90 205–38 3.7b 9 4-146
ISCJB VIII 19 15 48 04.2–1.8 16.6S–.80 174.9W–.90 209–39 3.7b ¶12581201
IDC VIII 19 15 48 05.1–1.9 16.37S 175.06W 191–35 3.9,3.7
ISCJB Error ellipse: s-maj=189.7km s-min=25.5km az=135.6.
IDC Error ellipse: s-maj=143.4km s-min=19.9km az=139.0.
ISC VIII 19 16 30 17.1–.15 15.14S–.04 173.48W–.03 35 5.8s,5.5b 784 2-175
BJI VIII 19 16 30 11.9 15.02S 173.41W 9 6.0b,5.9s ¶13392119
IDC VIII 19 16 30 11.9–.44 15.14S 173.53W 0 5.7s,5.7
NEIC VIII 19 16 30 13.2–.13 15.09S 173.48W 8 6.1W,6.0W
ISCJB VIII 19 16 30 15.3–.15 15.11S–.04 173.49W–.03 33 5.8s,5.5b
INMG VIII 19 16 30 16.2 15.06S 173.52W 8 6.1W,5.5b
MOS VIII 19 16 30 18.2–1.2 14.43S 173.49W 33 5.8s,5.8b
GCMT VIII 19 16 30 20.6–.10 14.85S 173.23W 12 6.0W,5.8b
DJA VIII 19 16 30 34 16.05S 174.40W 133 5.1b,5.8b
ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=12.4km az=135.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.6km az=157.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s220.00000°,δ85.00000° ,λ-90.00000°. NP2:ϕ_s40.00000°,δ5.00000°,λ-90.00000°. Principal axes: T Plg40.0000° ,Azm310.0000°; N Plg0.0000°,Azm0.0000°; P Plg50.0000°,Azm130.0000° Moment Tensor Solution. s95 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.20 $M_{\theta\theta}$0.83 $M_{\phi\phi}$-0.63 $M_{r\theta}$0.44 $M_{\theta\phi}$0.00 $M_{\phi r}$1.24 Best double couple: NP1:ϕ_s121.00000°,δ30.00000°,λ-6.00000°. NP2:ϕ_s216.00000° ,δ87.00000°,λ-119.00000°. Principal axes: T 1.1900,Plg35.0000°,Azm331.0000° ; N 0.5200,Plg29.0000°,Azm217.0000°; P -1.7100,Plg40.0000°,Azm98.0000° M_o1.50000×10^{18} Moment Tensor Solution. M_o1.10000×10^{18}
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.2km az=160.5.
MOS Error ellipse: s-maj=9.8km s-min=7.2km az=67.6.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=261, per= 50. Moment Tensor Solution. s105,c228; s78,c100; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s111.00000° ,δ46.00000°,λ4.00000°. NP2:ϕ_s18.00000°,δ87.00000°,λ136.00000°. Principal axes: T 1.1300,Plg32.0000°,Azm325.0000°; N 0.0700,Plg46.0000°,Azm195.0000° ; P -1.2000,Plg27.0000°,Azm274.0000° M_o1.20000×10^{18}
IDC VIII 19 18 34 10.6–5.9 15.24S 173.01W 0 4.5,4.2b
¶12581205
IDC Error ellipse: s-maj=301.7km s-min=24.8km az=143.0.
IDC VIII 20 00 52 43.0–2.1 17.68S 173.66W 0 4.1,4.0
¶11232303
IDC Error ellipse: s-maj=134.1km s-min=25.0km az=152.0.
IDC VIII 20 12 16 15.0–.88 15.69S 173.24W 0 4.4,4.2
¶12581233
IDC Error ellipse: s-maj=57.3km s-min=17.8km az=144.0.
IDC VIII 20 17 26 00.6–2.0 15.05S 173.71W 0 4.2,4.0
¶11232305
IDC Error ellipse: s-maj=118.5km s-min=24.2km az=150.0.
IDC VIII 20 23 05 07.2–8.3 15.51S 173.62W 0 4.2,3.9
¶11232307
IDC Error ellipse: s-maj=369.3km s-min=61.6km az=140.0.
ISC VIII 21 08 33 27.8–.20 15.27S–.06 173.27W–.05 35 5.0b,4.2s 607 2-175
BJI VIII 21 08 33 21.8 15.30S 173.20W 10 5.4s,5.4b ¶11180592
IDC VIII 21 08 33 21.6–.53 15.34S 173.20W 0 4.7,4.7
NEIC VIII 21 08 33 23.8–.17 15.29S 173.20W 10 5.3b,4.7
ISCJB VIII 21 08 33 26.1–.20 15.22S–.06 173.26W–.05 33 5.0b,4.2s
SZGRF VIII 21 08 33 26.5 15.82S 172.44W 31 5.0b,4.2s
MOS VIII 21 08 33 27.2–1.1 15.05S 173.14W 33 5.4b,4.2s
GCMT VIII 21 08 33 34.0–.20 15.13S 172.81W 43–1 5.1W,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=13.7km az=136.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.6km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.1km az=147.4.
SZGRF Samoa Islands region.
MOS Error ellipse: s-maj=15.3km s-min=7.8km az=58.3.
GCMT Event type se. Data Used: IU II IC CN G. Moment Tensor Solution. s40,c50; s76,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.78±.22 $M_{\theta\theta}$2.61±.18; $M_{\phi\phi}$1.17±.19; $M_{r\theta}$-2.65±.15; $M_{\theta\phi}$-2.77±.14; $M_{\phi r}$2.91±.15; Best double couple: NP1:ϕ_s297.00000°,δ25.00000°,λ-107.00000°.

NP2:ϕ_s136.00000°,δ67.00000°,λ-82.00000°. Principal axes: T 6.2600,Plg21.0000° ,Azm220.0000°; N -0.8900,Plg7.0000°,Azm313.0000°; P -5.3700,Plg68.0000°,Azm60.0000° $M_0$5.80000×10^{16}

IDC VIII 23 10 29 53.5–50 15.99S 175.27W 0 4.5,4.3b
¶12581318

IDC Error ellipse: s-maj=943.1km s-min=157.5km az=78.0.
ISC VIII 23 15 48 22.0–7.0 16.5S–.10 173.8W–.20 6–44 4.0b 18 3-147
IDC VIII 23 15 48 20.9–.71 16.54S 173.76W 0 4.3,4.0 **¶11232318**
ISCJB VIII 23 15 48 22.5–5.0 16.4S–.20 173.9W–.20 20–35 4.0b,4.0
NEIC VIII 23 15 48 22.6–4.9 16.49S 173.79W 11–31 4.8b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=16.9km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=33.0km s-min=14.2km az=44.7.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=8.7km az=133.0.
ISC VIII 24 01 00 57.5–.36 15.3S–.10 175.93W–.07 35 4.7b,4.5s 232 4-155
IDC VIII 24 01 00 50.7–1.1 15.35S 175.89W 0 4.8,4.5 **¶11227262**
ISCJB VIII 24 01 00 55.5–.36 15.3S–.10 175.95W–.08 33 4.7b,4.5s
NEIC VIII 24 01 00 57.1–.31 15.35S 176.03W 35 4.8b,4.8s
GCMT VIII 24 01 00 58.1–.20 15.29S 175.63W 22–1 5.1W,4.8s
BJI VIII 24 01 01 00.2 14.60S 175.90W 30 5.3b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=58.7km s-min=19.0km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=7.6km az=155.5.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=7.1km az=149.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s36,c46; s84,c133; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.74±.19 $M_{\theta\theta}$-0.95±.16; $M_{\phi\phi}$1.69±.16; $M_{r\theta}$0.44±.26; $M_{\theta\phi}$5.69±.16; $M_{\phi r}$0.66±.27; Best double couple: NP1:ϕ_s84.00000°,δ85.00000°,λ4.00000°. NP2:ϕ_s353.00000°,δ86.00000°,λ175.00000°. Principal axes: T 6.3000,Plg6.0000° ,Azm308.0000°; N -0.8300,Plg84.0000°,Azm136.0000°; P -5.4700,Plg1.0000°,Azm39.0000° $M_0$5.90000×10^{16}
IDC VIII 27 14 00 53.6–.83 15.14S 174.43W 150–35 3.7,3.4b
¶12581464

IDC Error ellipse: s-maj=270.3km s-min=13.0km az=150.0.
ISC VIII 27 14 41 23.2–.77 16.2S–.20 175.7W–.20 370–14 3.7b 12 4-145
IDC VIII 27 14 41 21.8–1.7 16.16S 175.97W 341–31 3.9,3.7b **¶11908926**
ISCJB VIII 27 14 41 22.6–.78 16.3S–.20 175.7W–.20 376–14 3.7b,3.7b
NEIC VIII 27 14 41 23.5–.91 16.22S 175.72W 372–11 3.6b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=46.0km s-min=25.7km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=39.9km s-min=17.0km az=154.7.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=15.2km az=151.0.
ISC VIII 28 04 10 15.3–2.1 20.8S–.10 175.9W–.10 199–19 3.9b 19 7-149
ISCJB VIII 28 04 10 14.1–2.2 20.9S–.10 175.9W–.10 202–20 3.9b **¶11908974**
NEIC VIII 28 04 10 14.7–1.5 20.85S 175.86W 196–14 4.3b
IDC VIII 28 04 10 15.1–2.9 20.84S 175.87W 197–27 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=14.8km az=137.2.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=9.7km az=138.0.
IDC Error ellipse: s-maj=29.1km s-min=12.6km az=143.0.
IDC VIII 28 08 46 52.0–.77 15.52S 173.24W 0 4.2,4.1
¶11265365

IDC Error ellipse: s-maj=42.6km s-min=16.5km az=136.0.
IDC VIII 28 16 37 25.3–5.8 15.68S 173.26W 102–28 3.3,3.2
¶12581510

IDC Error ellipse: s-maj=238.7km s-min=25.1km az=137.0.
IDC VIII 29 21 40 03.3–5.7 21.95S 174.71W 0 4.2,4.0b
¶12581554

IDC Error ellipse: s-maj=233.7km s-min=38.7km az=147.0.
ISC VIII 30 04 22 43.7–.64 15.9S–.20 173.1W–.20 35 4.1b 17 2-147
IDC VIII 30 04 22 38.2–.89 15.85S 173.12W 0 4.3,4.1 **¶11909106**
NEIC VIII 30 04 22 40.1–.46 15.83S 173.11W 10 4.3b,4.1
ISCJB VIII 30 04 22 41.9–.62 15.8S–.20 173.2W–.20 33 4.1b,4.1
SZGRF VIII 30 04 22 45.0 17.93S 176.13E 33 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=19.5km az=138.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=10.7km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=13.5km az=139.8.
SZGRF Fiji Islands region.
ISC VIII 31 08 07 17.2–.58 21.5S–.10 174.5W–.10 35 4.1b,3.9s 24 8-152
IDC VIII 31 08 07 11.8–.73 21.51S 174.49W 0 4.4,4.3 **¶11265424**
ISCJB VIII 31 08 07 15.2–.59 21.5S–.10 174.5W–.10 33 4.1b,3.9s
SZGRF VIII 31 08 07 20.6 20.24S 173.09W 33 4.1b,3.9s
NEIC VIII 31 08 07 24.5–2.5 21.73S 174.55W 100–20 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=16.7km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=12.6km az=145.7.
SZGRF Tonga Islands.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=14.3km az=146.0.
IDC IX 01 02 53 09.6–2.7 15.91S 174.33W 120–25 4.0,3.8
¶11909196

IDC Error ellipse: s-maj=53.3km s-min=17.7km az=143.0.
ISC IX 01 10 31 49.8–.55 15.6S–.20 175.4W–.10 10 4.2b,3.9s 22 4-176
IDC IX 01 10 31 47.7–.80 15.56S 175.31W 0 4.5,4.3 **¶11279442**
ISCJB IX 01 10 31 48.4–.55 15.5S–.20 175.5W–.10 10 4.2b,3.9s
NEIC IX 01 10 31 49.3–.57 15.64S 175.24W 10 4.4b,3.9s
GCMT IX 01 10 31 57.6–.30 15.39S 174.89W 18–1 5.0W,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=18.1km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=27.4km s-min=12.0km az=140.0.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=12.5km az=145.0.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s26,c36; s79,c126; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.85±.15 $M_{\theta\theta}$3.02±.15; $M_{\phi\phi}$-2.17±.12; $M_{r\theta}$-0.17±.29; $M_{\theta\phi}$3.54±.12; $M_{\phi r}$0.64±.27; Best double couple: NP1:ϕ_s108.00000°,δ81.00000°,λ-7.00000°. NP2:ϕ_s199.00000°,δ83.00000°,λ-171.00000°. Principal axes: T 4.8200,Plg1.0000° ,Azm333.0000°; N -0.7200,Plg79.0000°,Azm236.0000°; P -4.0900,Plg11.0000° ,Azm63.0000° $M_0$4.50000×10^{16}
ISC IX 02 20 01 07.9–.13 15.42S–.05 173.38W–.04 35 5.2b,4.8s 605 2-175
IDC IX 02 20 01 02.1–.39 15.59S 173.13W 0 5.1,5.0 **¶11226754**
NEIC IX 02 20 01 03.6–.14 15.41S 173.34W 10 5.4b,5.0s
ISCJB IX 02 20 01 05.9–.13 15.41S–.05 173.40W–.04 33 5.2b,4.8s
SZGRF IX 02 20 01 07.2 15.90S 173.36W 33 5.2b,4.8s
MOS IX 02 20 01 08.7–1.0 14.80S 173.13W 33 5.5b,4.7s
GCMT IX 02 20 01 15.7–.30 15.13S 173.07W 12 5.3W,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=10.5km az=124.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=3.7km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.3km az=140.5.
SZGRF Tonga Islands.
MOS Error ellipse: s-maj=17.7km s-min=8.4km az=64.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s22,c23; s76,c101; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.02 $M_{\theta\theta}$0.18±.02; $M_{\phi\phi}$-0.18±.01; $M_{r\theta}$-1.18±.05; $M_{\theta\phi}$-0.01±.02; $M_{\phi r}$0.47±.04; Best double couple: NP1:ϕ_s219.00000°,δ5.00000°,λ-163.00000°. NP2:ϕ_s112.00000°,δ88.00000°,λ-85.00000°. Principal axes: T 1.3400,Plg43.0000° ,Azm197.0000°; N -0.1300,Plg5.0000°,Azm292.0000°; P -1.2100,Plg46.0000°,Azm28.0000° $M_0$1.30000×10^{17}
IDC IX 03 03 14 16.8–2.1 15.26S 173.15W 0 4.1,3.9
¶11909342

IDC Error ellipse: s-maj=124.9km s-min=18.3km az=145.0.
IDC IX 03 05 37 12.0–1.4 21.07S 173.96W 0 4.2,4.0
¶11909348

IDC Error ellipse: s-maj=54.5km s-min=21.1km az=141.0.
IDC IX 03 08 13 18.2–50 16.06S 175.24W 0 4.1,3.9b
¶11909352

IDC Error ellipse: s-maj=937.8km s-min=165.2km az=78.0.
ISC IX 03 09 24 37.6–1.7 18.1S–.10 175.0W–.10 169–17 4.0b 16 5-151
ISCJB IX 03 09 24 36.7–1.8 18.0S–.10 175.0W–.10 174–18 4.0b **¶11909357**
IDC IX 03 09 24 37.6–2.4 18.08S 174.89W 172–23 3.8,3.7
NEIC IX 03 09 24 37.5–1.3 18.05S 174.93W 170–12 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.1km s-min=14.8km az=137.4.
IDC Error ellipse: s-maj=29.1km s-min=13.5km az=135.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=9.5km az=137.0.
IDC IX 03 15 57 02.5–5.0 16.50S 175.00W 0 4.1,3.9b
¶11909384

IDC Error ellipse: s-maj=165.2km s-min=98.6km az=154.0.
ISC IX 04 04 04 23.4–1.4 15.5S–.10 174.6W–.20 160–14 3.8b 22 3-145
ISCJB IX 04 04 04 22.1–1.5 15.5S–.10 174.6W–.20 162–14 3.8b **¶11909432**
IDC IX 04 04 04 23.2–1.5 15.47S 174.58W 159–15 3.9,3.8
NEIC IX 04 04 04 23.9–1.3 15.45S 174.64W 166–12 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=13.8km az=39.6.
IDC Error ellipse: s-maj=30.0km s-min=12.6km az=137.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=10.0km az=128.0.
ISC IX 05 15 35 43.9–1.7 17.1S–.20 173.7W–.20 178–22 4.0b 11 4-49
IDC IX 05 15 35 42.9–7.1 17.10S 173.77W 162–148 3.9,3.8b **¶11909536**
ISCJB IX 05 15 35 43.5–1.6 17.0S–.20 173.8W–.20 189–21 4.0b,3.8b
NEIC IX 05 15 35 44.1–1.3 17.13S 173.76W 177–16 4.0b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=142.3km s-min=36.0km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=39.5km s-min=19.6km az=144.4.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=15.3km az=153.0.
ISC IX 06 01 23 21.0–.66 15.6S–.20 173.2W–.20 35 3.9b 11 2-146
IDC IX 06 01 23 16.3–.79 15.72S 173.30W 0 4.2,4.0 **¶11909570**
ISCJB IX 06 01 23 19.3–.65 15.6S–.20 173.3W–.20 33 3.9b,4.0
NEIC IX 06 01 23 21.2–.62 15.68S 173.28W 35 3.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=17.8km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=32.5km s-min=8.8km az=42.4.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=12.5km az=130.0.
IDC IX 06 05 18 45.0–8.6 17.99S 175.86W 0 3.8,3.5
¶11909585

IDC Error ellipse: s-maj=378.2km s-min=39.8km az=142.0.
IDC IX 06 05 26 25.9–3.4 16.84S 174.81W 0 4.2,4.1
¶11909586

IDC Error ellipse: s-maj=192.9km s-min=30.7km az=144.0.
IDC IX 06 10 40 29.0–7.1 15.96S 173.01W 0 3.8,3.7
¶11909598

IDC Error ellipse: s-maj=294.1km s-min=27.8km az=136.0.
IDC IX 07 04 33 54.6–2.7 16.30S 175.72W 0 3.8,3.5
¶11909683

IDC Error ellipse: s-maj=333.5km s-min=30.5km az=158.0.
IDC IX 07 08 23 27.4–1.5 16.58S 173.23W 0 4.1,3.9
¶11909711

IDC Error ellipse: s-maj=64.2km s-min=19.7km az=142.0.
IDC IX 07 08 49 48.0–1.3 17.06S 173.15W 0 4.1,3.9
¶11909715

IDC Error ellipse: s-maj=53.6km s-min=25.6km az=132.0.
ISC IX 07 12 59 51.8–.72 16.6S–.20 173.8W–.20 98 3.8b 17 3-84
NEIC IX 07 12 59 46.6–1.7 16.48S 173.78W 51–16 4.0b **¶11909729**
IDC IX 07 12 59 51.6–.88 16.53S 173.82W 95–7 3.9,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.5km s-min=11.4km az=134.0.
IDC Error ellipse: s-maj=41.2km s-min=15.5km az=141.0.
ISC IX 07 14 46 26.6–1.5 17.3S–.20 175.2W–.20 237–24 3.9b 13 5-89
ISCJB IX 07 14 46 25.9–1.5 17.2S–.20 175.4W–.20 238–24 3.9b **¶11909734**
IDC IX 07 14 46 26.6–1.9 17.29S 175.19W 241–31 3.7,3.5b
NEIC IX 07 14 46 27.9–1.3 17.29S 175.25W 252–20 4.3b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=44.0km s-min=19.6km az=34.0.
IDC Error ellipse: s-maj=38.0km s-min=22.2km az=116.0.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=17.4km az=126.0.
ISC IX 07 17 58 27.8–.56 15.2S–.20 173.6W–.10 10 4.0b 19 2-146
IDC IX 07 17 58 25.9–.80 15.15S 173.54W 0 4.1,3.9 **¶11279451**
ISCJB IX 07 17 58 26.2–.56 15.1S–.20 173.6W–.10 10 4.0b,3.9
NEIC IX 07 17 58 27.6–.41 15.13S 173.57W 10 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=46.1km s-min=18.7km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=27.8km s-min=14.0km az=146.1.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=10.6km az=145.0.
ISC IX 07 19 41 45.2–2.5 18.80S–.10 173.6W–.10 74–21 4.3b 39 5-157
IDC IX 07 19 41 35.6–.76 18.78S 173.55W 0 4.6,4.5 **¶11279452**
BJI IX 07 19 41 43.4 18.80S 173.60W 66 5.4b,5.2b
NEIC IX 07 19 41 44.5–2.6 18.77S 173.64W 66–22 4.8b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=16.8km az=134.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=13.1km az=118.0.
ISC IX 07 20 08 02.6–2.5 17.5S–.10 174.5W–.10 222–22 4.0b 30 4-147
IDC IX 07 20 07 52.7–2.6 17.18S 174.51W 126–24 4.1,3.9 **¶11909748**
ISCJB IX 07 20 08 02.9–2.4 17.4S–.10 174.6W–.10 237–21 4.0b,3.9
NEIC IX 07 20 08 03.2–2.1 17.35S 174.57W 226–19 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=13.0km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=14.7km az=43.8.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=12.6km az=135.0.
ISC IX 07 22 57 32.1–1.8 17.7S–.10 174.5W–.10 89–17 4.2b 27 5-147
ISCJB IX 07 22 57 30.4–2.0 17.7S–.10 174.5W–.10 90–19 4.2b **¶11909762**
IDC IX 07 22 57 31.5–3.1 17.69S 174.47W 86–29 4.0,3.9
NEIC IX 07 22 57 35.4–1.3 17.75S 174.29W 128–12 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=13.2km az=35.9.
IDC Error ellipse: s-maj=30.4km s-min=15.4km az=128.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=10.9km az=132.0.
ISC IX 09 23 10 19.7–.91 18.7S–.20 175.3W–.10 35 4.5b 13 36-147
IDC IX 09 23 10 15.1–2.3 18.65S 175.27W 0 4.5,4.3b **¶11909910**
ISCJB IX 09 23 10 17.5–.92 18.7S–.20 175.3W–.10 33 4.5b,4.3b
NEIC IX 09 23 10 19.9–.69 18.75S 175.27W 35 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=79.6km s-min=36.0km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=31.5km s-min=19.3km az=12.3.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=17.1km az=188.0.
IDC IX 10 04 04 18.9–4.1 15.95S 174.41W 62–37 3.8,3.6
¶11909933

IDC Error ellipse: s-maj=183.1km s-min=24.3km az=145.0.
IDC IX 10 10 18 36.3–7.6 15.77S 173.38W 55–103 3.5,3.3b
¶11909946

IDC Error ellipse: s-maj=90.8km s-min=55.5km az=123.0.
IDC IX 10 15 53 01.0–29 15.76S 173.99W 0 4.2,4.0b
¶11909967

IDC Error ellipse: s-maj=570.4km s-min=157.2km az=84.0.
IDC IX 10 20 51 14.3–8.7 17.07S 175.14W 0 3.6,3.5
¶11909998

IDC Error ellipse: s-maj=381.0km s-min=39.0km az=141.0.
IDC IX 12 21 35 23.0–4.0 15.87S 175.30W 0 4.8,4.7b
¶11910135

IDC Error ellipse: s-maj=159.4km s-min=54.6km az=136.0.
ISC IX 13 09 28 44.7–2.0 17.5S–.10 173.8W–.20 36–21 4.4b,3.7s 23 4-148
IDC IX 13 09 28 39.3–1.0 17.58S 173.77W 0 4.4,4.3 **¶11302728**
ISCJB IX 13 09 28 42.7–2.3 17.5S–.10 173.8W–.20 34–22 4.4b,3.7s
NEIC IX 13 09 28 44.8–.71 17.54S 173.81W 35 4.7b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=17.7km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=30.4km s-min=14.8km az=37.3.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=11.7km az=129.0.
IDC IX 13 09 41 18.5–7.6 17.73S 174.39W 0 3.7,3.6
¶11910173

IDC Error ellipse: s-maj=322.4km s-min=27.3km az=140.0.
IDC IX 14 00 34 19.9–19 15.96S 175.50W 232–197 3.5,3.3
¶11910218

IDC Error ellipse: s-maj=159.2km s-min=33.1km az=154.0.
IDC IX 14 08 10 15.2–45 15.58S 175.29W 0 4.4,4.2b
¶11910245

IDC Error ellipse: s-maj=859.2km s-min=177.3km az=78.0.

IDC IX 14 23 26 55.6–7.7 17.06S 174.21W 0 3.7,3.4b
¶11910298

IDC Error ellipse: s-maj=414.7km s-min=50.1km az=146.0.
ISC IX 16 16 06 01.8–3.5 18.6S–.10 175.2W–.10 171–36 4.4b 32 6-149
IDC IX 16 16 05 54.4–2.8 18.64S 174.92W 112–25 4.3,4.2 ¶11910409
NEIC IX 16 16 05 59.5–.41 18.56S 175.21W 150 4.8b,4.2
ISCJB IX 16 16 06 00.8–3.6 18.6S–.10 175.2W–.10 176–37 4.4b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 16 19 51 34.3–1.3 16.20S 174.30W 0 4.5,4.3b
¶11910423

IDC Error ellipse: s-maj=63.2km s-min=29.2km az=136.0.
IDC IX 17 14 46 28.7–28 16.05S 174.01W 0 4.4,4.3b
¶11910482

IDC Error ellipse: s-maj=557.7km s-min=144.6km az=85.0.
IDC IX 18 10 20 16.8–2.3 15.80S 173.36W 0 3.9,3.7
¶11910544

IDC Error ellipse: s-maj=140.3km s-min=19.8km az=144.0.
ISC IX 18 11 30 29.6–.57 15.2S–.20 173.5W–.20 35 4.1b 16 2-146
IDC IX 18 11 30 24.4–.73 15.25S 173.47W 0 4.4,4.2 ¶11322790
NEIC IX 18 11 30 25.8–.45 15.22S 173.45W 10 4.0b,4.2
ISCJB IX 18 11 30 27.7–.56 15.2S–.20 173.5W–.20 33 4.1b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 18 21 59 51.8–.54 15.2S–.10 173.4W–.10 35 3.8b 19 2-146
IDC IX 18 21 59 47.5–1.8 15.20S 173.45W 0 4.0,3.8 ¶11910590
ISCJB IX 18 21 59 49.8–.53 15.2S–.10 173.5W–.10 33 3.8b,3.8
NEIC IX 18 21 59 52.2–.53 15.24S 173.55W 35 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=146.5km s-min=19.5km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=11.9km az=147.6.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=14.7km az=152.0.
ISC IX 18 22 37 56.4–.92 15.4S–.10 175.5W–.10 285–11 3.9b 27 4-145
ISCJB IX 18 22 37 55.6–.91 15.5S–.10 175.5W–.10 292–11 3.9b ¶11910594
IDC IX 18 22 37 57.5–2.0 15.44S 175.50W 298–22 3.5,3.4
NEIC IX 18 22 37 58.6–.95 15.47S 175.40W 314–10 4.3b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=11.4km az=135.0.
IDC Error ellipse: s-maj=36.2km s-min=13.5km az=142.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=10.4km az=145.0.
ISC IX 19 09 47 19.4–.29 15.23S–.10 173.51W–.09 35 4.5b,3.7s 311 2-146
IDC IX 19 09 47 13.8–.62 15.20S 173.34W 0 4.4,4.3 ¶11280403
ISCJB IX 19 09 47 17.4–.28 15.23S–.10 173.52W–.09 33 4.5b,3.7s
NEIC IX 19 09 47 19.2–.19 15.24S 173.47W 35 4.6b,3.7s
BJI IX 19 09 47 28.2 15.20S 173.50W 65 5.1b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=14.5km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=7.5km az=139.2.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=4.8km az=137.0.
IDC IX 19 10 11 18.2–7.4 16.94S 175.33W 0 4.0,3.7b
¶11910617

IDC Error ellipse: s-maj=324.9km s-min=36.7km az=141.0.
IDC IX 19 18 21 42.1–3.7 16.78S 174.91W 0 4.2,4.1b
¶11910642

IDC Error ellipse: s-maj=173.0km s-min=78.4km az=156.0.
IDC IX 20 01 36 25.6–50 16.53S 173.61W 0 4.3,4.1
¶11910676

IDC Error ellipse: s-maj=958.6km s-min=167.4km az=80.0.
ISC IX 21 06 36 29.9–.18 16.14S–.06 173.96W–.04 121 4.9b 636 3-156
SZGRF IX 21 06 36 20.8 15.96S 174.00W 33 4.9b ¶11282351
BJI IX 21 06 36 23.9 16.10S 173.80W 75 5.2s,5.1b
ISCJB IX 21 06 36 28.2–.18 16.14S–.06 173.97W–.04 120 4.9b,5.1b
MOS IX 21 06 36 29.9–1.2 15.59S 173.73W 112 5.2b,4.3s
NEIC IX 21 06 36 29.9–.21 16.09S 173.84W 121 5.0b,4.3s
IDC IX 21 06 36 29.5–.47 16.13S 173.90W 121–3 4.6,4.6
GCMT IX 21 06 36 30.8–.20 16.20S 173.41W 124–1 5.2W,4.6
ISC Event type se.
SZGRF Tonga Islands.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.4km az=149.0.
MOS Error ellipse: s-maj=16.1km s-min=7.4km az=59.5.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.7km az=143.0.
IDC Error ellipse: s-maj=15.3km s-min=9.0km az=127.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c86; s92,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.98±.16 $M_{\theta\theta}$-1.87±.20; $M_{\phi\phi}$6.85±.19; $M_{r\theta}$-2.46±.14; $M_{\theta\phi}$-0.72±.22; $M_{\phi r}$3.61±.15; Best double couple: NP1:ϕ_s20.00000°,δ33.00000°,λ-51.00000°. NP2:ϕ_s155.00000°,δ65.00000°,λ-113.00000°. Principal axes: T 8.0600,Plg17.0000° ,Azm262.0000°; N -1.1100,Plg21.0000°,Azm165.0000°; P -6.9500,Plg63.0000° ,Azm28.0000° $M_0$7.50000×10^{16}
ISC IX 21 19 19 19.2–.73 15.64S–.07 174.94W–.04 251–6 4.6b 284 4-167
SZGRF IX 21 19 18 46.5 16.09S 174.63W 267 4.6b ¶11282371
ISCJB IX 21 19 19 18.3–.74 15.65S–.07 174.95W–.04 257–6 4.6b
IDC IX 21 19 19 18.8–1.0 15.60S 174.95W 253–10 4.4,4.3
BJI IX 21 19 19 20.3 15.60S 174.90W 276 4.6b,4.6b
NEIC IX 21 19 19 22.3–.95 15.60S 174.94W 287–8 4.6b,4.6b
DJA IX 21 19 19 25 15.55S 175.06W 306 5.0b,4.6b
ISC Event type se.
SZGRF Tonga Islands.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=4.4km az=159.2.
IDC Error ellipse: s-maj=15.5km s-min=8.7km az=140.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.8km az=145.0.
IDC IX 22 14 28 31.0–31 16.82S 174.86W 0 4.3,4.1b
¶11910830

IDC Error ellipse: s-maj=605.4km s-min=155.7km az=85.0.
ISC IX 22 21 24 19.0–1.2 17.32S–.07 174.55W–.07 103–12 4.5b 53 4-148
ISCJB IX 22 21 24 17.5–1.3 17.32S–.06 174.56W–.06 105–13 4.5b ¶11910858
NEIC IX 22 21 24 19.4–.92 17.33S 174.58W 108–9 4.7b
IDC IX 22 21 24 24.6–.89 17.37S 174.59W 154–7 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=8.7km az=138.6.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.8km az=139.0.
IDC Error ellipse: s-maj=37.0km s-min=13.3km az=143.0.
ISC IX 23 06 07 53.2–1.4 17.17S–.08 174.26W–.08 91–13 4.2b 50 4-150
ISCJB IX 23 06 07 51.7–1.5 17.15S–.07 174.28W–.08 92–13 4.2b ¶11910877
NEIC IX 23 06 07 53.0–.95 17.11S 174.29W 89–9 4.3b
IDC IX 23 06 07 57.2–.60 17.26S 174.16W 129–5 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.1km az=43.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.3km az=134.0.
IDC Error ellipse: s-maj=21.2km s-min=12.7km az=134.0.
IDC IX 23 14 27 56.3–32 16.00S 175.15W 0 4.1,3.9b
¶11910890

IDC Error ellipse: s-maj=635.2km s-min=161.5km az=86.0.
IDC IX 24 09 56 06.7–45 15.86S 175.21W 0 4.0,3.8b
¶11910928

IDC Error ellipse: s-maj=859.9km s-min=169.8km az=78.0.
IDC IX 24 21 45 52.7–27 21.04S 173.77W 0 4.2,4.1b
¶11910962

IDC Error ellipse: s-maj=507.2km s-min=154.2km az=76.0.
ISC IX 25 04 48 50.2–1.2 16.03S–.09 173.88W–.08 82–10 4.4b 279 3-146
ISCJB IX 25 04 48 48.5–1.3 16.00S–.09 173.88W–.08 79–10 4.4b ¶11308755
IDC IX 25 04 48 52.8–5.3 15.99S 173.90W 112–46 4.5,4.2
NEIC IX 25 04 48 52.8–1.3 16.08S 173.76W 107–11 4.4b,4.2
BJI IX 25 04 48 54.7 15.90S 173.96W 108 5.0b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=6.3km az=141.7.
IDC Error ellipse: s-maj=32.8km s-min=12.5km az=130.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=8.1km az=133.0.
IDC IX 25 13 59 48.1–54 15.87S 173.38W 0 4.0,3.8b
¶11911012

IDC Error ellipse: s-maj=1029.0km s-min=182.7km az=79.0.
ISC IX 25 18 56 02.7–.85 19.0S–.10 174.2W–.20 35 4.0b 13 6-173
IDC IX 25 18 55 58.0–.96 19.05S 174.30W 0 4.4,4.1b ¶11911030
NEIC IX 25 18 56 03.2–.69 18.95S 174.34W 35 4.5b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=20.8km az=154.0.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=10.8km az=135.0.
IDC IX 28 10 40 59.1–3.9 19.18S 175.32W 0 3.5,3.3
¶11911268

IDC Error ellipse: s-maj=229.8km s-min=49.3km az=150.0.
ISC IX 28 13 15 59.8–1.5 17.6S–.20 174.2W–.10 113–17 3.9b 12 4-91
ISCJB IX 28 13 15 58.8–1.8 17.5S–.20 174.2W–.10 118–20 3.9b ¶11911271
IDC IX 28 13 15 59.9–3.2 17.62S 174.27W 107–38 3.8,3.6b
NEIC IX 28 13 16 00.7–1.3 17.56S 174.28W 114–14 4.0b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.7km s-min=13.8km az=144.3.
IDC Error ellipse: s-maj=55.9km s-min=23.6km az=123.0.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=12.2km az=142.0.
IDC IX 29 12 03 23.3–3.3 16.98S 173.41W 295–31 3.2b,3.2
¶11911337

IDC Error ellipse: s-maj=99.3km s-min=37.8km az=129.0.
ISC IX 29 13 24 34.1–.72 16.5S–.10 175.7W–.10 360–9 4.1b 30 5-146
ISCJB IX 29 13 24 33.4–.79 16.4S–.10 175.9W–.10 361–10 4.1b ¶11911342
IDC IX 29 13 24 33.1–1.3 16.53S 175.83W 345–19 3.9,3.8
NEIC IX 29 13 24 35.4–.98 16.14S 175.98W 356–10 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=12.9km az=148.3.
IDC Error ellipse: s-maj=31.1km s-min=14.5km az=128.0.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=13.5km az=147.0.
IDC IX 29 14 04 06.1–2.0 15.78S 173.50W 0 4.0,3.9
¶11911343

IDC Error ellipse: s-maj=112.0km s-min=20.7km az=148.0.
ISC X 01 02 08 45.2–.47 15.3S–.10 173.7W–.10 35 4.1b,3.6s 29 2-148
IDC X 01 02 08 40.2–.91 15.11S 173.73W 0 4.4,4.2 ¶11911518
NEIC X 01 02 08 41.5–.47 15.12S 173.63W 10 4.1b,4.2
ISCJB X 01 02 08 43.3–.46 15.3S–.10 173.7W–.10 33 4.1b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 01 17 31 21.1–4.9 17.75S 173.89W 127–36 3.9,3.7
¶11911563

IDC Error ellipse: s-maj=102.4km s-min=18.4km az=147.0.
ISC X 01 23 35 29.2–3.3 16.02S–.09 175.41W–.09 27–25 4.2b 21 4-98
ISCJB X 01 23 35 25.7–3.4 16.00S–.10 175.45W–.09 15–26 4.2b ¶11911602
IDC X 01 23 35 25.5–2.2 16.01S 175.46W 0 4.3,4.1
NEIC X 01 23 35 30.1–.34 16.02S 175.40W 35 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=14.7km az=14.2.
IDC Error ellipse: s-maj=196.0km s-min=30.3km az=154.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=7.8km az=125.0.
ISC X 02 04 16 08.7–.14 20.10S–.05 174.45W–.04 73 4.9b 597 7-172
SZGRF X 02 04 16 03.9 20.15S 173.51W 33 4.9b ¶11326333
NEIC X 02 04 16 04.3–.15 20.04S 174.37W 35 5.1b
MOS X 02 04 16 05.9–3.3 20.10S 174.30W 33 5.2b
ISCJB X 02 04 16 07.0–.14 20.08S–.05 174.49W–.04 71 4.9b
IDC X 02 04 16 08.4–.40 20.16S 174.33W 71–3 4.7,4.6
BJI X 02 04 16 11.2 20.00S 174.50W 123 5.1b,4.8b
DJA X 02 04 16 30 20.40S 175.40W 222 5.1b,4.8b
ISC Event type se.
SZGRF Tonga Islands.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.6km az=139.0.
MOS Error ellipse: s-maj=12.6km s-min=9.2km az=53.9.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.3km az=148.6.
IDC Error ellipse: s-maj=16.7km s-min=10.6km az=140.0.
IDC X 02 04 48 42.4–43 15.91S 173.88W 0 4.2,4.1b
¶11911684

IDC Error ellipse: s-maj=830.2km s-min=171.3km az=79.0.
IDC X 02 08 08 03.2–6.6 17.86S 174.30W 0 3.8,3.6b
¶11911697

IDC Error ellipse: s-maj=279.8km s-min=34.6km az=143.0.
ISC X 03 06 44 56.4–.75 21.3S–.20 173.70W–.10 35 4.2b 29 8-152
IDC X 03 06 44 53.7–1.2 21.11S 174.12W 0 4.4,4.2 ¶11357326
NEIC X 03 06 44 58.9–1.0 21.16S 174.16W 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=55.9km s-min=20.6km az=151.0.
NEIC Event type se. Error ellipse: s-maj=52.7km s-min=15.3km az=151.0.
ISC X 03 08 34 10.0–.22 15.42S–.07 173.59W–.05 42 4.8b,4.3s 532 2-175
BJI X 03 08 34 03.6 15.30S 173.50W 6 5.2b,5.0s ¶11327837
NEIC X 03 08 34 05.6–.24 15.29S 173.54W 10 4.9b,4.9s
SZGRF X 03 08 34 07.9 15.90S 174.14W 33 4.9b,4.9s
ISCJB X 03 08 34 08.2–.21 15.38S–.07 173.60W–.05 40 4.8b,4.3s
IDC X 03 08 34 09.5–.71 15.30S 173.59W 38–5 4.5,4.5
MOS X 03 08 34 09.0–1.1 15.04S 173.36W 33 5.0b,4.4s
GCMT X 03 08 34 15.9–.30 14.94S 173.61W 12 5.2W,4.4s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.3km az=146.0.
SZGRF Tonga Islands.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.3km az=147.8.
IDC Error ellipse: s-maj=23.1km s-min=11.5km az=142.0.
MOS Error ellipse: s-maj=16.6km s-min=8.9km az=58.9.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s10,c10; s77,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87±.12 $M_{\theta\theta}$1.75±.15; $M_{\phi\phi}$-0.88±.11; $M_{r\theta}$-7.69±.34; $M_{\theta\phi}$0.93±.10; $M_{\phi r}$2.04±.27; Best double couple: NP1:ϕ_s214.00000°,δ11.00000°,λ-161.00000°. NP2:ϕ_s105.00000°,δ86.00000°,λ-80.00000°. Principal axes: T 8.2800,Plg41.0000° ,Azm185.0000°; N -0.2700,Plg10.0000°,Azm284.0000°; P -8.0200,Plg48.0000° ,Azm26.0000° $M_0$8.20000×10^{16}
ISC X 03 16 49 59.1–1.3 18.7S–.20 173.2W–.30 35 4.1b 15 5-149
IDC X 03 16 49 55.9–1.8 18.77S 173.47W 0 4.2,4.0b ¶12065790
ISCJB X 03 16 49 56.8–1.4 18.7S–.20 173.2W–.30 33 4.1b,4.0b
NEIC X 03 16 49 59.1–1.1 18.67S 173.25W 35 4.4b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=56.6km s-min=30.6km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=40.2km s-min=14.5km az=30.2.
NEIC Event type se. Error ellipse: s-maj=35.6km s-min=13.0km az=121.0.
ISC X 04 04 26 43.5–.81 20.6S–.10 174.4W–.20 35 4.1b,3.8s 28 7-151
IDC X 04 04 26 38.5–1.0 20.53S 174.46W 0 4.5L,4.2 ¶11357334
ISCJB X 04 04 26 41.4–.78 20.7S–.10 174.4W–.20 33 4.1b,3.8s
NEIC X 04 04 26 47.8–2.5 20.69S 174.42W 74–20 4.2b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=19.4km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=14.6km az=31.6.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=13.4km az=110.0.
IDC X 04 12 01 26.0–59 15.82S 174.63W 0 4.3s,4.3
¶12065898

IDC Error ellipse: s-maj=1117.0km s-min=197.4km az=78.0.
IDC X 06 19 36 12.0–22 18.53S 173.15W 0 4.3b,4.3
¶12066180

IDC Error ellipse: s-maj=424.7km s-min=54.1km az=59.0.
IDC X 07 15 20 02.5–1.6 15.41S 175.34W 320–28 3.5,3.2b
¶12066267

IDC Error ellipse: s-maj=132.6km s-min=19.6km az=148.0.
IDC X 07 20 40 43.1–53 16.69S 173.14W 0 4.3,4.2b
¶12066288

IDC Error ellipse: s-maj=1013.0km s-min=198.1km az=80.0.
IDC X 08 10 03 39.0–3.9 15.30S 173.26W 0 4.0,3.7b
¶12066326

IDC Error ellipse: s-maj=190.5km s-min=22.5km az=143.0.
ISC X 08 23 02 31.5–.98 15.9S–.20 175.1W–.20 263–14 3.5b 20 4-84
ISCJB X 08 23 02 30.6–.98 15.9S–.20 175.1W–.20 269–14 3.5b ¶12066384
IDC X 08 23 02 31.4–1.9 15.85S 175.02W 263–21 3.5,3.2
NEIC X 08 23 02 32.2–.83 15.90S 175.04W 273–11 4.0b,3.2

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.1km s-min=13.9km az=135.5.
IDC Error ellipse: s-maj=153.4km s-min=18.6km az=149.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=9.2km az=138.0.
IDC X 09 05 07 54.7–30 19.06S 175.72W 0 4.2,4.0b
¶12066399

IDC Error ellipse: s-maj=581.2km s-min=158.6km az=87.0.
IDC X 09 11 32 17.1–47 21.70S 175.84W 0 4.3,4.1b
¶12066416

IDC Error ellipse: s-maj=882.4km s-min=161.7km az=85.0.
IDC X 09 15 07 32.7–7.5 19.06S 175.69W 0 4.0,3.7b
¶12066437

IDC Error ellipse: s-maj=322.8km s-min=35.0km az=143.0.
ISC X 09 17 50 00.2–3.0 21.07S–.04 174.40W–.03 16–18 5.5s,5.5b 689 8-178
ISCJB X 09 17 49 56.9–2.8 21.06S–.04 174.44W–.03 5–17 5.5b,5.5s **¶11342440**
IDC X 09 17 49 57.2–.39 21.08S 174.40W 0 5.4,5.4s
NEIC X 09 17 49 58.6–.13 21.03S 174.42W 10 5.9W,5.8b
BGS X 09 17 49 59.5–5.6 21.03S 174.42W 10–0 5.8b,5.8b
SZGRF X 09 17 50 01.9 21.48S 174.06W 33 5.8b,5.8b
BJI X 09 17 50 01.8 20.82S 174.02W 40 6.0b,5.7s
MOS X 09 17 50 02.3–1.2 20.78S 174.39W 33 5.9b,5.5s
DJA X 09 17 50 04 21.54S 175.28W 10 5.4b,5.5s
GCMT X 09 17 50 04.3–.10 21.22S 173.81W 18–0 5.9W,5.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.7km az=156.8.
IDC Error ellipse: s-maj=15.5km s-min=12.6km az=143.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.8km az=151.0. Moment Tensor Solution. s65 Moment tensor: Scale 10^{17}Nm; M_{rr}3.67 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$-2.46 $M_{r\theta}$0.40 $M_{\theta\phi}$-1.08 $M_{\phi r}$1.96 Best double couple: NP1:ϕ_s22.00000°,δ60.00000°,λ83.00000°. NP2:ϕ_s216.00000° ,δ31.00000°,λ102.00000°. Principal axes: T 4.2400,Plg73.0000°,Azm273.0000° ; N -0.6600,Plg6.0000°,Azm25.0000°; P -3.5900,Plg14.0000°,Azm116.0000° M_o4.00000×10^{17} Moment Tensor Solution. M_o1.50000×10^{18}
BGS Error ellipse: s-maj=762.3km s-min=999.9km az=-1.0.
SZGRF Tonga Islands.
MOS Error ellipse: s-maj=9.5km s-min=8.0km az=69.2.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=121, comp=274, per= 50. Moment Tensor Solution. s105,c223; s79,c102; Moment tensor: Scale 10^{17}Nm; M_{rr}6.28±.06 $M_{\theta\theta}$-0.27±.04; $M_{\phi\phi}$-6.01±.05; $M_{r\theta}$2.04±.11; $M_{\theta\phi}$-2.21±.03; $M_{\phi r}$3.96±.11; Best double couple: NP1:ϕ_s193.00000°,δ28.00000°,λ81.00000°. NP2:ϕ_s24.00000°,δ62.00000°,λ95.00000°. Principal axes: T 7.6800,Plg72.0000°,Azm305.0000°; N 0.4300,Plg4.0000°,Azm201.0000° ; P -8.1200,Plg17.0000°,Azm110.0000° M_o7.90000×10^{17}
IDC X 09 18 09 50.3–2.1 21.42S 174.20W 0 4.1,3.9
¶12066452

IDC Error ellipse: s-maj=94.3km s-min=24.7km az=152.0.
ISC X 09 23 08 50.5–.20 15.40S–.06 173.51W–.05 50 4.8b,4.7s 170 2-153
IDC X 09 23 08 43.5–.51 15.31S 173.47W 0 4.8L,4.8 **¶11369871**
NEIC X 09 23 08 45.4–.16 15.25S 173.52W 10 5.0b,4.8
SZGRF X 09 23 08 46.3 16.45S 173.31W 33 5.0b,4.8
ISCJB X 09 23 08 48.5–.20 15.37S–.06 173.55W–.05 48 4.8b,4.7s
MOS X 09 23 08 49.9–1.3 15.00S 173.09W 33 5.2b,5.1s
GCMT X 09 23 08 55.4–.10 15.15S 173.38W 12 5.6W,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=13.0km az=136.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.8km az=137.0.
SZGRF Tonga Islands.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.6km az=142.2.
MOS Error ellipse: s-maj=15.5km s-min=9.6km az=57.7.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c68; s92,c144; Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.02 $M_{\theta\theta}$0.21±.02; $M_{\phi\phi}$-0.21±.02; $M_{r\theta}$-2.68±.04; $M_{\theta\phi}$0.10±.01; $M_{\phi r}$1.34±.04; Best double couple: NP1:ϕ_s209.00000°,δ4.00000°,λ-178.00000°. NP2:ϕ_s117.00000°,δ90.00000°,λ-86.00000°. Principal axes: T 3.0300,Plg45.0000° ,Azm202.0000°; N -0.0500,Plg4.0000°,Azm297.0000°; P -2.9800,Plg45.0000°,Azm31.0000° M_o3.00000×10^{17}
ISC X 10 04 55 49.2–.62 21.5S–.10 174.1W–.10 35 4.0b 24 8-150
IDC X 10 04 55 43.6–.74 21.32S 174.28W 0 4.3,4.1 **¶11369872**
ISCJB X 10 04 55 47.2–.61 21.5S–.10 174.1W–.10 33 4.0b,4.1
NEIC X 10 04 55 48.7–.55 21.51S 173.79W 35 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=20.6km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=14.0km az=138.7.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=14.1km az=177.0.
IDC X 10 14 00 20.1–1.5 15.13S 173.31W 0 3.9,3.8b
¶12066512

IDC Error ellipse: s-maj=58.6km s-min=24.6km az=144.0.
IDC X 10 17 24 53.4–53 18.97S 173.14W 0 4.2,4.0
¶12066519

IDC Error ellipse: s-maj=1012.0km s-min=181.8km az=83.0.
ISC X 10 20 37 17.4–3.6 21.0S–.20 175.1W–.20 147–28 3.9b 17 7-151
IDC X 10 20 36 58.8–1.3 20.80S 174.88W 0 4.3,4.1b **¶12066537**
NEIC X 10 20 37 16.8–3.2 21.00S 175.04W 148–24 4.4b,4.1b
ISCJB X 10 20 37 17.2–3.6 21.0S–.20 175.1W–.20 162–28 3.9b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 12 07 05 41.8–.65 21.2S–.10 173.86W–.06 35 4.1b 25 7-152
ISCJB X 12 07 05 39.5–.70 21.1S–.10 173.85W–.08 33 4.1b **¶12068446**
IDC X 12 07 05 41.5–1.1 20.68S 174.69W 0 4.4,4.2
NEIC X 12 07 05 42.6–3.5 21.92S 173.94W 27–25 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=9.8km az=168.3.
IDC Error ellipse: s-maj=49.1km s-min=18.7km az=140.0.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=11.0km az=173.0.
IDC X 12 18 17 06.4–46 15.97S 174.16W 0 4.3,4.1b
¶12068483

IDC Error ellipse: s-maj=883.1km s-min=174.4km az=78.0.
IDC X 12 19 21 22.3–2.7 17.39S 174.02W 0 4.1,3.8b
¶12068486

IDC Error ellipse: s-maj=188.5km s-min=29.5km az=149.0.
ISC X 12 21 49 35.5–6.6 17.82S–.09 174.2W–.10 12–43 4.2b 31 5-148
ISCJB X 12 21 49 33.8–6.3 17.83S–.09 174.2W–.10 12–41 4.2b **¶12068494**
IDC X 12 21 49 34.4–.91 17.61S 174.26W 0 4.4,4.2
NEIC X 12 21 49 35.8–4.5 17.80S 174.17W 13–28 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=12.9km az=36.2.
IDC Error ellipse: s-maj=51.2km s-min=17.9km az=137.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.8km az=131.0.
ISC X 12 22 42 40.3–1.1 16.29S–.06 174.04W–.07 69–10 4.2b 53 3-175
SZGRF X 12 22 42 36.8 16.16S 172.87W 33 4.2b **¶11378431**
ISCJB X 12 22 42 38.7–1.2 16.27S–.06 174.08W–.07 69–11 4.2b
NEIC X 12 22 42 40.4–.79 16.28S 174.03W 72–7 4.4b
IDC X 12 22 42 40.7–3.2 16.29S 174.00W 75–27 4.1,3.9
ISC Event type se.
SZGRF Samoa Islands region.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=8.4km az=43.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.5km az=133.0.
IDC Error ellipse: s-maj=45.9km s-min=15.6km az=149.0.
ISC X 13 12 07 49.9–1.9 21.38S–.06 174.59W–.06 60–17 5.0b 165 8-171
ISCJB X 13 12 07 47.1–2.0 21.39S–.06 174.59W–.06 50–17 5.0b,4.6s **¶11346475**
GCMT X 13 12 07 47.6–.30 21.44S 173.77W 28–1 5.0W,4.6s
NEIC X 13 12 07 47.5–.24 21.19S 174.64W 39 5.2b,4.6s
MOS X 13 12 07 48.0–1.4 21.11S 174.64W 33 5.3b,4.6s
IDC X 13 12 07 49.8–3.4 21.42S 174.54W 65–29 4.5,4.5
BJI X 13 12 07 50.7 21.00S 174.70W 46 5.5b,5.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.5km az=145.5.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s42,c58; s65,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}3.26±.17 $M_{\theta\theta}$-0.27±.12; $M_{\phi\phi}$-2.99±.11; $M_{r\theta}$1.39±.23; $M_{\theta\phi}$-1.27±.09; $M_{\phi r}$2.66±.17; Best double couple: NP1:ϕ_s197.00000°,δ24.00000°,λ82.00000°. NP2:ϕ_s26.00000°,δ66.00000°,λ94.00000°. Principal axes: T 4.4100,Plg69.0000° ,Azm303.0000°; N 0.2100,Plg3.0000°,Azm204.0000°; P -4.6200,Plg21.0000°,Azm113.0000° M_o4.50000×10^{16}

NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.3km az=139.0.
MOS Error ellipse: s-maj=14.8km s-min=10.6km az=60.5.
IDC Error ellipse: s-maj=20.0km s-min=12.6km az=145.0.
IDC X 15 11 22 47.2–2.3 16.27S 175.98W 0 4.2,4.0b
¶12068677

IDC Error ellipse: s-maj=119.4km s-min=25.2km az=142.0.
IDC X 16 10 25 50.8–50 18.62S 174.32W 0 3.8,3.6b
¶12068759

IDC Error ellipse: s-maj=941.2km s-min=168.4km az=82.0.
IDC X 16 17 27 06.5–48 15.88S 173.08W 0 4.2,4.0b
¶12068804

IDC Error ellipse: s-maj=927.2km s-min=176.1km az=79.0.
NEIC X 16 18 59 33.7–1.7 20.02S 175.44W 35 4.6b
IDC X 16 18 59 27.2–2.0 19.99S 175.18W 0 4.5,4.4b **¶12068819**
NEIC Event type se. Error ellipse: s-maj=70.1km s-min=35.9km az=160.0.
IDC Error ellipse: s-maj=76.2km s-min=42.6km az=156.0.
ISC X 17 01 31 31.7–.59 17.5S–.20 174.9W–.20 21 4.5b,3.6s 43 7-157
IDC X 17 01 31 27.8–.78 17.63S 174.68W 0 4.5,4.2 **¶11374710**
ISCJB X 17 01 31 29.8–.59 17.6S–.20 174.9W–.20 19 4.5b,3.6s
NEIC X 17 01 31 40.0–1.6 17.63S 174.79W 93–14 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=21.2km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=32.3km s-min=14.8km az=144.7.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=9.2km az=150.0.
ISC X 17 04 41 48.9–.85 21.1S–.10 173.90W–.09 35 3.9b,3.8s 22 7-152
IDC X 17 04 41 45.7–1.3 21.62S 174.05W 0 4.8L,4.3 **¶12068863**
ISCJB X 17 04 41 46.3–.87 21.1S–.10 173.89W–.10 33 3.9b,3.8s
NEIC X 17 04 41 50.1–.77 21.83S 173.89W 35 4.0b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=22.6km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=12.5km az=167.5.
NEIC Event type se. Error ellipse: s-maj=38.1km s-min=15.4km az=169.0.
IDC X 17 06 40 48.7–3.7 16.65S 174.93W 0 4.1,3.9b
¶12068865

IDC Error ellipse: s-maj=181.8km s-min=78.0km az=155.0.
ISC X 17 07 10 45.7–.62 15.2S–.20 173.8W–.10 35 4.1b 21 2-146
ISCJB X 17 07 10 43.6–.56 15.1S–.20 173.8W–.10 33 4.1b **¶12068868**
NEIC X 17 07 10 45.9–1.6 15.15S 173.79W 38–15 4.2b
IDC X 17 07 10 52.9–1.3 15.27S 173.79W 99–9 4.0,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.1km s-min=7.2km az=146.7.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=10.5km az=133.0.
IDC Error ellipse: s-maj=30.6km s-min=18.3km az=125.0.
IDC X 17 07 21 33.5–47 16.25S 175.21W 0 4.5s,4.5
¶12068869

IDC Error ellipse: s-maj=893.2km s-min=175.1km az=78.0.
ISC X 19 05 10 34.4–.88 21.88S–.02 173.80W–.02 31–6 7.0s,6.7b 746 8-179
NOU X 19 05 09 31.5–.79 16.89S 168.72W 5–999 7.0s,6.7b **¶11360248**
IDC X 19 05 10 29.6–.27 21.84S 173.92W 0 6.8,6.8
BJI X 19 05 10 31.6 21.32S 173.35W 21 7.2b,7.0s
DJA X 19 05 10 32 21.97S 173.86W 10 7.4W,7.0s
ISCJB X 19 05 10 32.5–.88 21.88S–.02 173.85W–.02 30–6 7.0s,6.7b
SZGRF X 19 05 10 32.2 22.86S 173.42W 33 7.4b,6.7b
MOS X 19 05 10 33.1–.75 21.79S 173.92W 33 7.1b,7.0s
NEIC X 19 05 10 33.9–.08 21.86S 173.82W 29 7.0s,6.9W
GCMT X 19 05 10 40.5–.00 21.82S 173.56W 43–0 6.9W,6.9W
ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=11.7km s-min=9.5km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.9km az=144.0.
SZGRF Tonga Islands region.
MOS Error ellipse: s-maj=9.5km s-min=6.3km az=50.9.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=148.0. Felt [IV] at Nuku'alofa. Also felt at Ohonua, Tofoa and Vaini. Two events about 2 seconds apart. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from CMT mechanism. Moment Tensor Solution. s98 Moment tensor: Scale 10^{19}Nm; M_{rr}2.09 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-1.87 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.78 $M_{\phi r}$-0.43 Best double couple: NP1:ϕ_s190.00000° ,δ50.00000°,λ74.00000°. NP2:ϕ_s34.00000°,δ43.00000°,λ108.00000°. Principal axes: T 2.2100,Plg77.0000°,Azm37.0000°; N -0.0100,Plg12.0000°,Azm200.0000° ; P -2.2000,Plg3.0000°,Azm290.0000° M_o2.20000×10^{19} Moment Tensor Solution. M_o4.30000×10^{19}
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 115 sta. Surface waves: sta=123, comp=314, per= 50. Moment Tensor Solution. s122,c320; s99,c281; Moment tensor: Scale 10^{19}Nm; M_{rr}2.75±.01 $M_{\theta\theta}$-0.03±.01; $M_{\phi\phi}$-2.72±.01; $M_{r\theta}$0.32±.01; $M_{\theta\phi}$-0.77±.01; $M_{\phi r}$0.05±.01; Best double couple: NP1:ϕ_s189.00000°,δ44.00000° ,λ81.00000°. NP2:ϕ_s21.00000°,δ47.00000°,λ99.00000°. Principal axes: T 2.7900,Plg84.0000°,Azm3.0000°; N 0.1400,Plg6.0000°,Azm195.0000° ; P -2.9300,Plg1.0000°,Azm105.0000° M_o2.90000×10^{19}
IDC X 19 05 24 09.8–7.1 18.86S 175.70W 0 4.3,4.1b
¶12069022

IDC Error ellipse: s-maj=333.8km s-min=62.0km az=146.0.
IDC X 19 05 26 36.6–2.3 20.37S 174.29W 0 4.5,4.2b
¶12069023

IDC Error ellipse: s-maj=200.5km s-min=33.4km az=158.0.
IDC X 19 07 22 33.2–4.8 21.03S 174.52W 0 4.1,3.9b
¶12069029

IDC Error ellipse: s-maj=215.1km s-min=55.4km az=144.0.
IDC X 19 12 13 31.3–2.9 15.30S 173.45W 0 4.0,3.8
¶12069040

IDC Error ellipse: s-maj=167.9km s-min=21.6km az=148.0.
ISC X 19 14 14 38.9–1.4 21.89S–.07 173.79W–.05 63–13 4.8b 219 8-170
IDC X 19 14 14 30.2–.51 21.81S 173.75W 0 4.7,4.7 **¶11360273**
NEIC X 19 14 14 35.8–.24 21.74S 173.82W 35 4.9b,4.7
ISCJB X 19 14 14 36.5–1.8 21.90S–.07 173.80W–.05 55–16 4.8b,4.7s
BJI X 19 14 14 40.1 21.39S 173.76W 68 5.1s,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=15.5km az=136.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.3km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.2km az=154.9.
ISC X 19 14 50 02.5–.30 15.3S–.10 173.5W–.10 35 4.1b 191 2-146
IDC X 19 14 49 56.8–.71 15.28S 173.41W 0 4.4,4.2 **¶12069049**
NEIC X 19 14 49 58.4–.29 15.27S 173.41W 10 4.4b,4.2
ISCJB X 19 14 50 00.6–.29 15.3S–.10 173.5W–.10 33 4.1b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 19 18 51 06.2–3.5 20.33S 174.66W 0 4.1,3.8b
¶12069065

IDC Error ellipse: s-maj=215.2km s-min=53.5km az=153.0.
ISC X 20 08 43 27.1–1.5 18.82S–.09 175.63W–.09 176–15 4.2b 48 6-149
ISCJB X 20 08 43 26.0–1.6 18.83S–.09 175.65W–.09 181–16 4.2b **¶12069117**
NEIC X 20 08 43 27.2–1.1 18.81S 175.62W 180–11 4.7b
IDC X 20 08 43 27.6–2.3 18.85S 175.59W 182–21 4.1,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=11.0km az=140.4.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.9km az=143.0.
IDC Error ellipse: s-maj=17.4km s-min=10.6km az=142.0.
ISC X 20 14 38 31.0–.80 21.5S–.10 174.3W–.20 40 4.1b 27 8-152
ISCJB X 20 14 38 28.3–.90 21.5S–.10 174.2W–.20 38 4.1b **¶11390976**
NEIC X 20 14 38 30.9–.95 21.93S 174.09W 39 4.6b
IDC X 20 14 38 31.1–1.0 21.82S 174.17W 38–5 4.0,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=14.1km az=35.3.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=21.6km az=171.0.
IDC Error ellipse: s-maj=40.2km s-min=17.9km az=145.0.
IDC X 21 07 10 00.8–2.7 20.83S 173.76W 0 4.8L,4.5
¶12070720

IDC Error ellipse: s-maj=168.8km s-min=36.0km az=179.0.
ISC X 21 15 02 40.2–2.1 18.0S–.10 174.5W–.20 96–26 4.2b 21 5-85
ISCJB X 21 15 02 38.6–2.4 18.0S–.10 174.5W–.20 96–29 4.2b **¶12070739**
IDC X 21 15 02 40.1–3.2 17.98S 174.51W 95–37 4.2,4.1b

NEIC X 21 15 02 45.4–1.2 18.13S 174.36W 150 4.4b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.5km s-min=21.7km az=22.9.
IDC Error ellipse: s-maj=43.6km s-min=20.7km az=116.0.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=20.6km az=46.0.
ISC X 21 16 14 25.8–4.7 15.4S–.10 173.7W–.10 26–34 4.4b,3.6s 35 2-146
IDC X 21 16 14 21.7–.62 15.38S 173.68W 0 4.6,4.4 **¶11390980**
ISCJB X 21 16 14 25.6–1.9 15.4S–.10 173.7W–.10 39–18 4.4b,3.6s
NEIC X 21 16 14 27.0–1.4 15.40S 173.68W 37–13 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=13.3km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=11.2km az=142.1.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=7.5km az=142.0.
ISC X 21 19 35 53.2–1.1 17.12S–.10 174.57W–.10 205–11 4.1b 49 4-175
ISCJB X 21 19 35 52.3–1.1 17.09S–.10 174.62W–.09 210–11 4.1b **¶11389439**
IDC X 21 19 35 53.8–2.2 17.19S 174.51W 209–19 4.2,4.0
NEIC X 21 19 35 55.7–1.1 17.10S 174.53W 229–10 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=10.3km az=137.9.
IDC Error ellipse: s-maj=30.9km s-min=12.0km az=139.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=9.0km az=143.0.
IDC X 22 04 12 04.0–27 19.88S 174.40W 0 4.5,4.3b
¶12070775
IDC Error ellipse: s-maj=506.9km s-min=152.2km az=75.0.
ISC X 22 12 55 57.8–.07 18.47S–.02 175.40W–.02 235 6.0b 1139 6-176
MOS X 22 12 55 51.8–.72 18.29S 175.40W 190 6.0b,5.5s **¶11360973**
ISCJB X 22 12 55 56.3–.07 18.42S–.02 175.44W–.02 233 6.0b,5.5s
BJI X 22 12 55 57.5 17.86S 175.13W 234 6.3b,6.0b
IDC X 22 12 55 57.8–.56 18.53S 175.53W 233–4 5.7,5.7
NEIC X 22 12 55 57.4–.09 18.41S 175.35W 233 6.3W,6.3W
SZGRF X 22 12 55 58.1 18.73S 175.16W 238 6.3W,6.3W
GCMT X 22 12 56 03.2–.10 18.40S 174.98W 244–0 6.4W,6.3W
DJA X 22 12 56 08 18.55S 175.78W 320 6.7W,6.3W
ISC Event type fe.
MOS Error ellipse: s-maj=7.5km s-min=5.8km az=53.4.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.6km az=43.8.
IDC Error ellipse: s-maj=9.9km s-min=7.0km az=127.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=148.0. Felt at Neiafu, Nuku'alofa and Tofoa. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s30.00000°,δ65.00000°,λ-90.00000°. NP2:ϕ_s210.00000°,δ25.00000°,λ-90.00000°. Principal axes: T Plg20.0000°,Azm120.0000°; N Plg0.0000°,Azm0.0000°; P Plg70.0000° ,Azm300.0000° Moment Tensor Solution. s113 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.24 $M_{\theta\theta}$1.14 $M_{\phi\phi}$1.11 $M_{r\theta}$-1.43 $M_{\theta\phi}$1.28 $M_{\phi r}$-2.96 Best double couple: NP1:ϕ_s241.00000° ,δ20.00000°,λ-60.00000°. NP2:ϕ_s30.00000°,δ73.00000°,λ-100.00000°. Principal axes: T 4.0100,Plg27.0000°,Azm127.0000°; N 0.0400,Plg9.0000°,Azm32.0000° ; P -4.0400,Plg60.0000°,Azm284.0000° M_o4.00000×10^{18} Moment Tensor Solution. M_o4.50000×10^{18}
SZGRF Tonga Islands.
GCMT Event type se. Data Used: II IU IC G CN. Mantle waves from 103 sta. Surface waves: sta=119, comp=300, per= 50. Moment Tensor Solution. s115,c300; s99,c196; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.77±.02 $M_{\theta\theta}$1.07±.02; $M_{\phi\phi}$0.70±.02; $M_{r\theta}$-1.70±.02; $M_{\theta\phi}$1.28±.02; $M_{\phi r}$-3.51±.02; Best double couple: NP1:ϕ_s252.00000°,δ17.00000°,λ-48.00000°. NP2:ϕ_s28.00000°,δ78.00000°,λ-102.00000°. Principal axes: T 4.4300,Plg32.0000° ,Azm128.0000°; N -0.0900,Plg11.0000°,Azm31.0000°; P -4.3400,Plg56.0000° ,Azm284.0000° M_o4.40000×10^{18}
ISC X 22 14 24 40.3–1.8 21.8S–.10 174.4W–.30 35 4.2b 20 8-150
IDC X 22 14 24 34.1–1.5 21.81S 174.25W 0 4.4,4.2b **¶12070802**
ISCJB X 22 14 24 38.1–1.8 21.8S–.10 174.4W–.30 33 4.2b,4.2b
NEIC X 22 14 24 39.2–.89 21.76S 174.23W 35 4.4b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=33.9km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=36.6km s-min=20.2km az=168.8.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=14.2km az=95.0.
ISC X 22 17 43 24.4–.93 21.5S–.10 174.0W–.20 35 4.0b,3.9s 21 8-150
IDC X 22 17 43 19.8–1.1 21.58S 174.09W 0 4.3,4.1 **¶11390983**
ISCJB X 22 17 43 22.7–.93 21.4S–.10 174.1W–.20 33 4.0b,3.9s
NEIC X 22 17 43 25.1–.75 21.48S 174.07W 35 4.4b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=26.1km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=14.3km az=35.8.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=13.1km az=131.0.
ISC X 22 17 47 36.3–4.5 21.74S–.09 173.9W–.10 9–27 4.3b,3.7s 47 8-152
ISCJB X 22 17 47 34.0–3.3 21.66S–.09 174.0W–.10 5–20 4.3b,3.7s **¶11390984**
NEIC X 22 17 47 40.8–.50 21.56S 174.08W 35 4.7b,3.7s
IDC X 22 17 47 41.3–4.0 21.78S 174.07W 33–29 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=13.1km az=42.1.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=9.8km az=136.0.
IDC Error ellipse: s-maj=26.4km s-min=15.8km az=150.0.
ISC X 22 22 02 37.3–.74 21.87S–.10 174.1W–.10 35 4.4b 34 8-150
IDC X 22 22 02 31.7–.99 21.86S 174.01W 0 4.4,4.3 **¶12070844**
ISCJB X 22 22 02 35.4–.75 21.85S–.10 174.2W–.10 33 4.4b,4.3
NEIC X 22 22 02 37.0–.49 21.90S 174.08W 35 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=19.9km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=13.6km az=4.4.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.6km az=111.0.
ISC X 22 23 40 02.3–.60 21.34S–.06 174.3W–.10 35 4.7b 45 8-152
IDC X 22 23 39 58.0–1.3 21.45S 174.36W 0 4.5,4.4b **¶12070850**
ISCJB X 22 23 40 01.0–.68 21.38S–.07 174.4W–.10 33 4.7b,4.4b
NEIC X 22 23 40 02.9–.38 21.41S 174.39W 35 4.9b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=48.0km s-min=20.6km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=10.4km az=11.8.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.9km az=113.0.
IDC X 24 12 38 30.6–53 21.75S 175.30W 0 3.9,3.7b
¶12070988
IDC Error ellipse: s-maj=998.6km s-min=176.7km az=85.0.
IDC X 24 18 24 56.9–1.8 15.32S 174.40W 0 4.2,4.0b
¶12071014
IDC Error ellipse: s-maj=163.5km s-min=26.5km az=153.0.
IDC X 24 21 52 00.6–3.3 16.24S 174.69W 169–27 3.5,3.3
¶12071030
IDC Error ellipse: s-maj=170.4km s-min=19.8km az=149.0.
IDC X 25 14 41 45.6–3.4 15.79S 173.61W 0 3.9,3.7
¶12071078
IDC Error ellipse: s-maj=182.2km s-min=27.6km az=146.0.
IDC X 25 15 17 56.0–2.0 16.10S 173.36W 0 4.1,3.9
¶12071081
IDC Error ellipse: s-maj=81.0km s-min=18.8km az=145.0.
ISC X 25 22 44 30.8–.74 15.2S–.20 173.2W–.20 35 3.7b 18 2-146
IDC X 25 22 44 25.6–.88 15.29S 173.24W 0 4.1,3.9 **¶12071111**
ISCJB X 25 22 44 28.9–.73 15.2S–.20 173.2W–.20 33 3.7b,3.9
NEIC X 25 22 44 30.7–.59 15.27S 173.21W 35 3.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=47.5km s-min=17.9km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=38.9km s-min=7.7km az=138.5.
NEIC Event type se. Error ellipse: s-maj=32.6km s-min=11.6km az=138.0.
IDC X 25 22 50 14.0–6.0 18.08S 173.48W 0 4.1,3.8
¶12071112
IDC Error ellipse: s-maj=432.9km s-min=32.7km az=152.0.
IDC X 26 11 04 35.0–2.4 21.19S 174.35W 0 4.1,3.9
¶12071157
IDC Error ellipse: s-maj=101.4km s-min=25.9km az=142.0.
IDC X 26 22 04 54.1–27 20.53S 173.25W 0 4.3,4.2b
¶12071195
IDC Error ellipse: s-maj=501.1km s-min=154.5km az=75.0.
ISC X 27 12 46 57.7–.69 21.1S–.10 173.75W–.09 35 4.2b 22 7-150
ISCJB X 27 12 46 55.2–.71 21.1S–.10 173.73W–.09 33 4.2b **¶11451552**
NEIC X 27 12 46 57.6–.62 21.11S 173.74W 35 4.2b

IDC X 27 12 46 58.0–1.7 21.66S 174.37W 0 4.3,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=12.2km az=169.3.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=11.1km az=172.0.
IDC Error ellipse: s-maj=48.8km s-min=36.2km az=129.0.
IDC X 27 18 44 30.4–3.5 20.30S 175.69W 0 4.3,4.0b
¶12071261
IDC Error ellipse: s-maj=202.7km s-min=55.7km az=154.0.
IDC X 28 09 46 01.2–52 17.73S 174.15W 0 4.5,4.3b
¶12071322
IDC Error ellipse: s-maj=985.9km s-min=174.4km az=81.0.
IDC X 28 18 15 29.2–31 16.22S 174.21W 0 4.1,3.9b
¶12071360
IDC Error ellipse: s-maj=619.9km s-min=155.2km az=86.0.
ISC X 29 02 23 27.5–.53 21.68S–.09 174.3W–.10 35 4.4b 44 8-153
IDC X 29 02 23 21.9–.61 21.71S 174.18W 0 4.5,4.4 **¶12071412**
ISCJB X 29 02 23 25.6–.53 21.68S–.09 174.3W–.10 33 4.4b,4.4
NEIC X 29 02 23 33.0–1.6 21.78S 174.33W 84–13 4.8b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=16.9km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=11.8km az=38.6.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.2km az=110.0.
ISC X 29 03 25 11.5–.62 21.8S–.10 174.2W–.10 35 4.6b,4.4s 45 8-171
IDC X 29 03 25 05.8–.81 21.91S 174.12W 0 4.5,4.4 **¶11451556**
ISCJB X 29 03 25 09.5–.62 21.8S–.10 174.2W–.10 33 4.6b,4.4s
NEIC X 29 03 25 12.5–.49 21.97S 174.16W 44 4.9b,4.4s
SZGRF X 29 03 25 18.5 23.71S 171.80W 33 4.9b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=18.6km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=12.5km az=151.5.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=12.2km az=163.0.
SZGRF Tonga Islands region.
ISC X 29 03 26 37.8–1.6 21.9S–.20 174.6W–.30 35 4.3b 18 8-150
IDC X 29 03 26 32.0–1.8 21.81S 174.48W 0 4.6,4.4b **¶12071419**
ISCJB X 29 03 26 35.8–1.6 21.9S–.20 174.6W–.20 33 4.3b,4.4b
NEIC X 29 03 26 37.2–.97 21.89S 174.52W 35 4.5b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=48.0km s-min=42.5km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=39.2km s-min=25.9km az=43.7.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=19.4km az=36.0.
IDC X 29 04 04 19.0–1.3 19.64S 175.23W 0 4.3,4.1b
¶12071423
IDC Error ellipse: s-maj=67.7km s-min=28.6km az=152.0.
IDC X 29 19 49 55.7–45 15.44S 173.88W 0 4.1,3.9b
¶12071525
IDC Error ellipse: s-maj=859.6km s-min=177.4km az=78.0.
IDC X 29 21 09 43.8–1.7 15.93S 175.69W 0 4.2,4.1b
¶12071546
IDC Error ellipse: s-maj=147.9km s-min=24.5km az=155.0.
ISC X 30 07 19 04.5–.14 16.45S–.05 173.72W–.05 97 4.7b 527 3-174
BJI X 30 07 19 00.4 16.50S 173.60W 96 5.0b,4.9b **¶11379109**
ISCJB X 30 07 19 02.7–.14 16.46S–.05 173.70W–.05 95 4.7b,4.9b
NEIC X 30 07 19 04.4–.16 16.48S 173.61W 96 4.8b,4.9b
IDC X 30 07 19 04.3–.45 16.43S 173.64W 95–3 4.6,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=3.7km az=139.9.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.1km az=142.0.
IDC Error ellipse: s-maj=15.3km s-min=9.3km az=142.0.
IDC X 30 09 34 02.8–1.6 15.50S 174.75W 261–21 3.5,3.2b
¶12071608
IDC Error ellipse: s-maj=146.5km s-min=17.2km az=149.0.
IDC XI 01 14 10 29.6–3.9 19.09S 175.48W 0 4.2,4.0
¶12071854
IDC Error ellipse: s-maj=158.2km s-min=34.5km az=141.0.
IDC XI 01 14 32 23.4–1.5 15.26S 175.46W 297–34 3.6,3.3b
¶12071858
IDC Error ellipse: s-maj=132.1km s-min=17.7km az=148.0.
ISC XI 01 21 24 15.8–.67 15.0S–.20 173.6W–.20 0 4.1s,3.9b 10 2-146
IDC XI 01 21 24 16.2–.80 15.12S 173.67W 0 4.2,4.0 **¶12071913**
IDC Error ellipse: s-maj=37.6km s-min=21.5km az=138.0.
IDC XI 02 07 25 05.6–1.1 15.08S 174.27W 0 4.2,4.0b
¶12071962
IDC Error ellipse: s-maj=44.8km s-min=21.2km az=140.0.
ISC XI 02 10 38 04.2–.53 21.43S–.09 174.2W–.10 35 4.2b,3.8s 43 8-171
IDC XI 02 10 37 58.6–.62 21.47S 174.09W 0 4.3,4.2 **¶11451567**
ISCJB XI 02 10 38 02.2–.53 21.46S–.09 174.2W–.10 33 4.2b,3.8s
NEIC XI 02 10 38 04.2–.40 21.45S 174.16W 35 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=16.5km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=12.1km az=32.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.4km az=127.0.
IDC XI 02 12 33 25.8–46 18.76S 173.17W 0 4.0,3.8
¶12071987
IDC Error ellipse: s-maj=884.3km s-min=182.0km az=82.0.
ISC XI 03 13 03 10.4–1.9 18.6S–.20 174.8W–.20 95–18 3.8b 22 5-149
ISCJB XI 03 13 03 08.5–2.2 18.6S–.20 174.8W–.20 92–20 3.8b **¶12072126**
IDC XI 03 13 03 09.9–3.2 18.60S 174.76W 92–29 3.8,3.6
NEIC XI 03 13 03 10.6–1.2 18.51S 174.81W 96–11 4.4b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.1km s-min=14.8km az=138.1.
IDC Error ellipse: s-maj=43.6km s-min=17.2km az=138.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=8.2km az=137.0.
IDC XI 04 00 04 32.9–29 21.98S 173.51W 0 4.1,4.0b
¶12072193
IDC Error ellipse: s-maj=535.0km s-min=157.9km az=78.0.
IDC XI 04 01 47 25.6–.85 17.21S 173.82W 0 4.4,4.2
¶11457790
IDC Error ellipse: s-maj=45.1km s-min=17.7km az=143.0.
ISC XI 04 04 11 40.5–5.3 18.5S–.30 174.9W–.20 53–53 4.4b 23 14-149
IDC XI 04 04 11 33.2–.84 18.34S 174.92W 0 4.6,4.5L **¶12072212**
ISCJB XI 04 04 11 39.2–6.2 18.6S–.30 174.9W–.10 57–59 4.4b,4.5L
NEIC XI 04 04 11 43.1–3.5 18.64S 174.81W 82–35 4.5b,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=18.5km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=48.9km s-min=14.1km az=156.9.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=8.6km az=158.0.
ISC XI 05 03 41 43.9–.15 17.32S–.04 174.34W–.03 190 5.0b 786 7-175
DJA XI 05 03 41 30 17.43S 174.50W 54 5.4b **¶12922967**
IDC XI 05 03 41 42.9–.48 17.33S 174.38W 189–4 4.8,4.8
ISCJB XI 05 03 41 42.1–.15 17.34S–.04 174.37W–.03 188 5.0b,4.8
BJI XI 05 03 41 42.5 16.77S 174.04W 187 5.3b,5.2b
NEIC XI 05 03 41 43.2–.14 17.32S 174.36W 188 5.7W,5.6W
MOS XI 05 03 41 45.9–1.7 16.18S 174.41W 180 5.2b,4.7s
GCMT XI 05 03 41 46.0–.10 17.22S 174.06W 186–0 5.7W,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=9.1km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.0km az=163.1.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.6km az=152.0. Moment Tensor Solution. s52 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11 $M_{\theta\theta}$2.17 $M_{\phi\phi}$-2.06 $M_{r\theta}$2.32 $M_{\theta\phi}$-1.11 $M_{\phi r}$1.74 Best double couple: NP1:ϕ_s238.00000°,δ89.00000°,λ-130.00000°. NP2:ϕ_s147.00000° ,δ40.00000°,λ-2.00000°. Principal axes: T 3.6200,Plg31.0000°,Azm0.0000° ; N 0.2700,Plg39.0000°,Azm239.0000°; P -3.8900,Plg34.0000°,Azm115.0000° M_o3.80000×10^{17}
MOS Error ellipse: s-maj=11.7km s-min=7.8km az=68.3.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=115, comp=234, per= 50. Moment Tensor Solution. s97,c181; s48,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.53±.04 $M_{\theta\theta}$3.89±.05; $M_{\phi\phi}$-3.37±.05; $M_{r\theta}$2.01±.04; $M_{\theta\phi}$-0.77±.05; $M_{\phi r}$1.98±.03; Best double couple: NP1:ϕ_s139.00000°,δ53.00000°,λ-7.00000°. NP2:ϕ_s233.00000°,δ85.00000°,λ-143.00000°. Principal axes: T 4.6700,Plg21.0000°,Azm0.0000°; N 0.0200,Plg52.0000°,Azm240.0000° ; P -4.7000,Plg30.0000°,Azm103.0000° M_o4.70000×10^{17}
ISC XI 05 11 43 25.6–2.9 17.1S–.20 174.7W–.20 251–25 4.1b 21 7-147

IDC XI 05 11 43 08.3–12 17.11S 174.41W 96–108 4.2,4.0b ¶12072393
ISCJB XI 05 11 43 24.5–2.8 17.2S–.20 174.7W–.20 254–24 4.1b,4.0b
NEIC XI 05 11 43 24.1–2.6 17.24S 174.59W 238–22 4.4b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=29.5km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=23.9km az=25.6.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=18.5km az=110.0.
ISC XI 05 15 17 20.0–3.2 17.2S–.20 175.0W–.30 313–24 3.5b 14 7-147
IDC XI 05 15 16 43.1–1.5 17.10S 174.36W 0 4.2,4.0b ¶12072425
ISCJB XI 05 15 17 20.0–3.1 17.2S–.20 175.1W–.30 324–23 3.4b,4.0b
NEIC XI 05 15 17 20.1–2.4 17.18S 174.98W 312–18 3.6b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=62.6km s-min=30.4km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=38.8km s-min=31.5km az=8.6.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=20.1km az=104.0.
ISC XI 05 19 17 43.4–2.5 15.4S–.10 173.6W–.10 162–22 4.2b 50 8-147
IDC XI 05 19 17 24.0–.58 15.25S 173.47W 0 4.6,4.4 ¶11457796
NEIC XI 05 19 17 41.6–2.3 15.30S 173.56W 144–20 4.3b,4.4
ISCJB XI 05 19 17 42.8–2.5 15.3S–.10 173.7W–.10 171–22 4.2b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 06 12 20 46.2–2.6 16.19S 173.38W 0 4.2,3.9
¶12072531
IDC Error ellipse: s-maj=143.9km s-min=25.3km az=142.0.
IDC XI 07 07 16 08.4–46 16.07S 173.16W 0 4.3,4.2b
¶12072635
IDC Error ellipse: s-maj=882.3km s-min=185.6km az=79.0.
IDC XI 08 04 35 14.9–13 17.22S 174.34W 75–121 3.9,3.7b
NEIC XI 08 04 35 22.8–.80 17.35S 174.40W 150 3.4b,3.7b ¶12072785
IDC Error ellipse: s-maj=39.6km s-min=34.5km az=10.0.
NEIC Event type se. Error ellipse: s-maj=35.1km s-min=19.5km az=116.0.
ISC XI 08 07 50 01.5–.09 15.27S–.03 174.29W–.02 141 5.4b 927 8-176
ISCJB XI 08 07 49 59.7–.09 15.27S–.03 174.31W–.02 139 5.4b ¶11396811
NEIC XI 08 07 49 59.0–.11 15.22S 174.23W 121 6.0W,5.9W
IDC XI 08 07 50 00.9–.56 15.20S 174.26W 137–5 5.1,5.1
DJA XI 08 07 50 00 15.23S 174.22W 128 6.0W,5.1
MOS XI 08 07 50 00.9–.65 15.34S 174.15W 162 5.5b,5.2s
BJI XI 08 07 50 00.5 14.78S 174.18W 139 5.6b,5.4b
GCMT XI 08 07 50 04.5–.10 15.07S 173.94W 132–0 6.0W,5.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.2km az=150.2.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.2km az=148.0. Felt at Apia, Samoa. Moment Tensor Solution. s110 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s223.00000°,δ11.00000°,λ-98.00000°. NP2:ϕ_s51.00000°,δ79.00000°,λ-88.00000°. Principal axes: T 1.0500,Plg33.0000° ,Azm139.0000°; N 0.0500,Plg1.0000°,Azm230.0000°; P -1.1000,Plg56.0000°,Azm323.0000° $M_0$1.10000×10^{18}
IDC Error ellipse: s-maj=11.3km s-min=9.6km az=115.0.
MOS Error ellipse: s-maj=17.3km s-min=11.3km az=1.6.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=119, comp=285, per= 50. Moment Tensor Solution. s112,c268; s81,c105; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s313.00000° ,δ31.00000°,λ-17.00000°. NP2:ϕ_s58.00000°,δ81.00000°,λ-120.00000°. Principal axes: T 1.0000,Plg30.0000°,Azm172.0000°; N 0.2900,Plg30.0000°,Azm63.0000° ; P -1.2800,Plg45.0000°,Azm297.0000° $M_0$1.10000×10^{18}
ISC XI 08 09 15 51.9–.11 15.30S–.03 174.23W–.02 139 5.2b 831 8-176
MOS XI 08 09 15 46.5–.99 15.09S 174.25W 100 5.4b,4.7s ¶11396817
BJI XI 08 09 15 48.7 15.26S 173.39W 149 5.3b,5.1b
DJA XI 08 09 15 49 15.18S 174.22W 111 5.7b,5.1b
IDC XI 08 09 15 49.8–1.7 15.19S 174.28W 119–14 5.0,5.0
ISCJB XI 08 09 15 50.1–.11 15.30S–.03 174.26W–.02 137 5.2b,5.0
NEIC XI 08 09 15 51.9–.11 15.22S 174.21W 140 5.3b,5.0
GCMT XI 08 09 15 54.5–.20 15.04S 173.93W 138–1 5.5W,5.0
ISC Event type se.
MOS Error ellipse: s-maj=9.4km s-min=6.6km az=137.9.
IDC Error ellipse: s-maj=11.0km s-min=7.5km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.6km az=152.1.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.0km az=145.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=197, per= 50. Moment Tensor Solution. s84,c124; s24,c25; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.78±.05 $M_{\theta\theta}$1.77±.06; $M_{\phi\phi}$-0.99±.06; $M_{r\theta}$0.35±.04; $M_{\theta\phi}$-0.26±.06; $M_{\phi r}$-2.10±.04; Best double couple: NP1:ϕ_s65.00000°,δ42.00000°,λ-159.00000°. NP2:ϕ_s320.00000°,δ76.00000°,λ-49.00000°. Principal axes: T 2.0100,Plg21.0000°,Azm20.0000°; N 0.9800,Plg39.0000°,Azm128.0000° ; P -2.9900,Plg44.0000°,Azm269.0000° $M_0$2.50000×10^{17}
ISC XI 08 11 11 27.9–2.5 17.2S–.20 174.6W–.20 236–23 3.9b 32 7-150
IDC XI 08 11 11 21.0–4.5 17.14S 174.49W 170–38 4.2s,4.2 ¶12072811
NEIC XI 08 11 11 26.6–2.2 17.18S 174.50W 223–19 4.2b,4.2
ISCJB XI 08 11 11 27.9–2.4 17.2S–.20 174.6W–.10 249–22 3.9b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 08 17 32 54.6–7.6 16.88S 175.31W 0 4.0,3.7b
¶12072847
IDC Error ellipse: s-maj=334.5km s-min=33.7km az=141.0.
IDC XI 09 16 35 38.5–28 16.05S 175.45W 0 4.3,4.2b
¶12072972
IDC Error ellipse: s-maj=549.7km s-min=138.7km az=84.0.
IDC XI 09 21 02 36.1–17 21.55S 174.68W 0 4.4,4.2b
¶12072994
IDC Error ellipse: s-maj=324.5km s-min=141.8km az=81.0.
IDC XI 11 08 28 46.6–1.9 15.38S 173.42W 0 4.0,3.8b
¶12073152
IDC Error ellipse: s-maj=65.0km s-min=32.4km az=124.0.
IDC XI 11 13 09 51.1–9.2 16.28S 174.90W 0 3.8,3.6
¶12073176
IDC Error ellipse: s-maj=409.1km s-min=35.5km az=140.0.
ISC XI 11 22 41 38.2–2.6 20.3S–.10 174.5W–.10 134–22 4.0b 33 7-151
IDC XI 11 22 41 22.8–.75 19.79S 174.60W 0 4.5,4.4L ¶12073238
ISCJB XI 11 22 41 37.1–2.8 20.4S–.10 174.6W–.10 139–24 4.0b,4.4L
NEIC XI 11 22 41 37.9–1.6 20.32S 174.52W 131–13 4.3b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=15.7km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=16.3km az=36.6.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.7km az=123.0.
IDC XI 12 02 24 25.5–8.8 16.73S 175.12W 0 4.0,3.8s
¶12073258
IDC Error ellipse: s-maj=389.4km s-min=66.2km az=141.0.
ISC XI 13 08 16 40.1–2.4 20.0S–.10 176.0W–.20 251–21 3.9b 25 6-152
IDC XI 13 08 16 30.9–2.9 19.76S 175.96W 160–28 4.0,3.8b ¶12073400
NEIC XI 13 08 16 39.6–2.5 20.04S 175.93W 244–21 4.2b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=15.1km az=145.0.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=18.8km az=141.0.
ISC XI 14 14 35 34.1–.80 16.3S–.20 175.7W–.20 373–12 3.4b 17 4-148
ISCJB XI 14 14 35 33.4–.78 16.4S–.20 175.7W–.10 381–12 3.4b ¶12073530
IDC XI 14 14 35 33.4–1.5 16.31S 175.83W 356–26 3.4,3.3b
NEIC XI 14 14 35 34.8–.77 16.36S 175.78W 377–9 3.2b,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.9km s-min=15.2km az=150.2.
IDC Error ellipse: s-maj=37.7km s-min=20.7km az=124.0.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=11.8km az=149.0.
IDC XI 15 10 21 05.7–2.4 16.03S 173.39W 0 4.1,3.8
¶12073620
IDC Error ellipse: s-maj=140.7km s-min=23.5km az=147.0.
ISC XI 16 14 09 47.0–1.8 15.1S–.70 173.2W–.40 35 3.7b 15 2-146
IDC XI 16 14 09 40.2–1.9 15.74S 172.90W 0 4.0,3.8 ¶12073755
ISCJB XI 16 14 09 45.1–1.8 15.2S–.70 173.3W–.50 33 3.7b,3.8
NEIC XI 16 14 09 46.4–1.6 15.53S 173.03W 35 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=98.8km s-min=21.2km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=113.9km s-min=10.9km az=147.1.
NEIC Event type se. Error ellipse: s-maj=88.0km s-min=16.3km az=144.0.
IDC XI 16 21 43 53.1–6.9 21.28S 175.09W 0 4.3,4.2b
¶12073790
IDC Error ellipse: s-maj=172.9km s-min=83.7km az=127.0.
ISC XI 17 06 37 32.3–1.2 17.09S–.06 174.81W–.06 211–11 4.4b 150 4-175
SZGRF XI 17 06 36 55.9 20.92S 174.33W 33 4.4b ¶11456709
ISCJB XI 17 06 37 30.0–1.2 17.04S–.06 174.86W–.06 204–10 4.4b
IDC XI 17 06 37 30.7–1.2 16.98S 174.81W 203–11 4.2,4.2
MOS XI 17 06 37 31.2–1.6 16.96S 174.86W 206 4.6b,4.2
NEIC XI 17 06 37 34.0–1.0 17.03S 174.78W 227–9 4.5b,4.2
ISC Event type se.
SZGRF Tonga Islands.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.8km az=143.6.
IDC Error ellipse: s-maj=13.3km s-min=8.3km az=125.0.
MOS Error ellipse: s-maj=14.8km s-min=9.5km az=56.4.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.7km az=141.0.
IDC XI 17 15 31 26.2–2.1 15.52S 173.34W 0 4.1,3.9
¶12073870
IDC Error ellipse: s-maj=131.0km s-min=23.8km az=151.0.
IDC XI 18 21 29 40.6–47 16.18S 175.19W 0 4.1,3.9b
¶12074054
IDC Error ellipse: s-maj=881.4km s-min=167.1km az=78.0.
ISC XI 19 04 33 53.0–1.5 21.78S–.08 174.24W–.08 76–13 4.5b 62 8-171
IDC XI 19 04 33 42.9–.54 21.66S 174.18W 0 4.6,4.5 ¶12074103
ISCJB XI 19 04 33 50.8–1.8 21.79S–.08 174.26W–.08 71–15 4.5b,4.5
NEIC XI 19 04 33 52.8–1.1 21.77S 174.23W 76–9 4.8b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=16.1km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=9.8km az=137.4.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.3km az=138.0.
ISC XI 19 04 39 36.6–3.1 21.4S–.70 173.4W–.20 85–47 4.3b 15 9-57
IDC XI 19 04 39 28.6–2.3 21.40S 173.74W 0 4.7L,4.4 ¶12074104
ISCJB XI 19 04 39 35.4–4.1 21.4S–.70 173.4W–.20 90–57 4.3b,4.4
NEIC XI 19 04 39 36.5–2.5 21.44S 173.44W 84–39 4.5b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=156.7km s-min=36.0km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=123.0km s-min=17.1km az=9.9.
NEIC Event type se. Error ellipse: s-maj=90.3km s-min=12.3km az=190.0.
ISC XI 20 10 05 42.3–1.3 15.6S–.10 173.7W–.10 79–14 4.0b 26 2-146
ISCJB XI 20 10 05 41.8–1.2 15.5S–.10 173.64W–.10 90–12 4.0b ¶12074250
IDC XI 20 10 05 42.4–2.8 15.45S 173.85W 78–26 4.1,3.9
NEIC XI 20 10 05 43.9–1.1 15.60S 173.60W 96–11 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=11.3km az=146.1.
IDC Error ellipse: s-maj=39.1km s-min=15.4km az=139.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=10.4km az=154.0.
IDC XI 20 22 25 10.2–1.6 15.54S 174.46W 0 4.1,4.0
¶12074331
IDC Error ellipse: s-maj=52.3km s-min=28.3km az=149.0.
IDC XI 21 17 41 19.5–3.4 17.26S 174.48W 0 4.5,4.4b
¶12074419
IDC Error ellipse: s-maj=158.4km s-min=70.4km az=161.0.
IDC XI 21 18 34 07.9–55 17.88S 173.19W 0 4.0,3.8b
¶12074425
IDC Error ellipse: s-maj=1056.0km s-min=176.2km az=82.0.
ISC XI 22 07 07 12.0–.80 15.5S–.20 174.9W–.10 297–8 3.7b 25 3-176
ISCJB XI 22 07 07 11.3–.81 15.5S–.20 174.9W–.10 303–8 3.7b ¶12074479
IDC XI 22 07 07 11.2–1.2 15.61S 174.86W 292–11 3.8,3.6b
NEIC XI 22 07 07 11.9–.70 15.53S 174.84W 299–6 3.7b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.4km s-min=12.1km az=150.5.
IDC Error ellipse: s-maj=30.3km s-min=13.5km az=149.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=8.5km az=149.0.
ISC XI 22 14 11 20.4–1.7 21.4S–.10 173.33W–.08 82–22 4.4b 21 8-62
ISCJB XI 22 14 11 19.6–2.3 21.3S–.10 173.33W–.07 93–27 4.4b ¶12074504
NEIC XI 22 14 11 21.5–1.8 21.27S 173.41W 91–22 4.7b
IDC XI 22 14 11 22.4–8.4 21.27S 173.29W 106–115 4.7L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=10.5km az=8.4.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=11.6km az=187.0.
IDC Error ellipse: s-maj=72.7km s-min=28.1km az=44.0.
IDC XI 22 16 36 34.9–27 19.46S 175.59W 0 4.4,4.3b
¶12074515
IDC Error ellipse: s-maj=501.0km s-min=143.6km az=75.0.
ISC XI 23 07 53 46.0–.14 20.30S–.03 175.57W–.03 174 5.1b 365 7-177
MOS XI 23 07 53 41.8–.78 20.08S 175.65W 143 5.2b ¶11473255
BJI XI 23 07 53 44.5 19.93S 175.48W 170 5.2b,5.1b
ISCJB XI 23 07 53 44.4–.14 20.26S–.03 175.63W–.03 172 5.1b,5.1b
BGS XI 23 07 53 45.6–5.1 20.26S 175.57W 170–0 5.1b,5.1b
NEIC XI 23 07 53 45.4–.14 20.26S 175.57W 170 5.1b,5.1b
IDC XI 23 07 53 46.1–.56 20.13S 175.63W 173–4 4.9,4.9
GCMT XI 23 07 53 48.9–.10 20.23S 175.12W 184–0 5.5W,4.9
DJA XI 23 07 54 04 20.58S 176.54W 293 5.7b,4.9
ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=8.1km az=136.8.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.1km az=34.1.
BGS Error ellipse: s-maj=583.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=144.0.
IDC Error ellipse: s-maj=10.5km s-min=8.2km az=146.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 111 sta. Moment Tensor Solution. s91,c158; s99,c208; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.17±.02 $M_{\theta\theta}$1.38±.03; $M_{\phi\phi}$-0.20±.03; $M_{r\theta}$1.07±.02; $M_{\theta\phi}$0.67±.03; $M_{\phi r}$-0.92±.02; Best double couple: NP1:ϕ_s42.00000° ,δ40.00000°,λ-145.00000°. NP2:ϕ_s283.00000°,δ68.00000°,λ-56.00000°. Principal axes: T 1.8300,Plg16.0000°,Azm349.0000°; N 0.3500,Plg31.0000°,Azm89.0000° ; P -2.1700,Plg54.0000°,Azm236.0000° $M_0$2.00000×10^{17}
IDC XI 23 12 15 44.1–5.5 19.55S 175.33W 0 4.2,4.1b
¶12074590
IDC Error ellipse: s-maj=157.8km s-min=28.4km az=133.0.
IDC XI 23 14 54 48.9–2.2 20.44S 175.03W 0 3.9,3.6
¶12074601
IDC Error ellipse: s-maj=91.7km s-min=23.1km az=142.0.
IDC XI 24 01 24 56.1–2.3 18.18S 174.57W 0 4.1,3.9
¶12074629
IDC Error ellipse: s-maj=120.0km s-min=22.6km az=147.0.
ISC XI 25 12 28 10.1–1.9 16.6S–.20 173.8W–.20 76–18 3.9b 22 3-174
ISCJB XI 25 12 28 09.1–1.9 16.5S–.20 173.9W–.20 79–19 3.9b ¶12074781
NEIC XI 25 12 28 10.9–1.6 16.66S 173.78W 85–14 4.0b
IDC XI 25 12 28 10.5–3.0 16.62S 173.84W 80–27 4.0,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=38.6km s-min=14.7km az=135.1.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=11.4km az=140.0.
IDC Error ellipse: s-maj=33.5km s-min=15.9km az=138.0.
IDC XI 26 08 27 22.0–5.2 21.80S 175.92W 0 4.1,4.0b
¶12074879
IDC Error ellipse: s-maj=186.8km s-min=31.0km az=136.0.
ISC XI 26 15 43 40.3–1.4 16.48S–.10 174.28W–.09 125–13 4.4b 61 4-175
ISCJB XI 26 15 43 39.0–1.5 16.38S–.10 174.37W–.09 125–13 4.4b ¶12074909
IDC XI 26 15 43 40.3–2.4 16.53S 174.21W 130–20 4.2,4.2
NEIC XI 26 15 43 40.6–1.0 16.45S 174.27W 131–9 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=8.3km az=141.8.
IDC Error ellipse: s-maj=20.5km s-min=11.4km az=136.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=6.0km az=145.0.
IDC XI 26 16 46 18.2–9.0 17.14S 174.13W 0 3.7,3.5
¶12074919
IDC Error ellipse: s-maj=397.4km s-min=37.0km az=141.0.
ISC XI 26 17 57 12.3–1.5 15.8S–.60 175.0W–.40 210–16 3.2b 18 4-84
ISCJB XI 26 17 57 11.3–1.5 15.8S–.60 175.1W–.40 214–17 3.2b ¶12074927
NEIC XI 26 17 57 12.8–1.5 15.86S 175.00W 217–16 3.2b
IDC XI 26 17 57 12.1–1.5 15.71S 175.06W 208–17 3.5,3.4

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=110.0km s-min=18.0km az=148.6.
NEIC Event type se. Error ellipse: s-maj=88.5km s-min=15.2km az=149.0.
IDC Error ellipse: s-maj=94.6km s-min=14.1km az=149.0.
IDC XI 27 15 50 44.8–2.5 15.35S 173.91W 0 4.2,4.1b
¶12075045

IDC Error ellipse: s-maj=214.3km s-min=26.9km az=151.0.
ISC XI 27 16 05 50.8–.86 15.7S–.20 173.2W–.20 35 4.0b 18 2-146
IDC XI 27 16 05 46.6–2.5 16.31S 173.08W 0 4.3,4.1 **¶12075048**
ISCJB XI 27 16 05 49.0–.85 15.7S–.20 173.3W–.20 33 4.0b,4.1
NEIC XI 27 16 05 48.7–.65 16.06S 173.32W 10 3.9b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=127.7km s-min=24.0km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=40.5km s-min=8.5km az=136.3.
NEIC Event type se. Error ellipse: s-maj=32.1km s-min=15.3km az=140.0.
ISC XI 27 23 46 41.8–.65 15.1S–.20 173.3W–.20 35 3.8b 20 9-175
IDC XI 27 23 46 36.1–.86 15.33S 172.97W 0 4.1,3.9 **¶12075089**
NEIC XI 27 23 46 37.3–.52 15.38S 172.98W 10 4.2b,3.9
ISCJB XI 27 23 46 39.8–.63 15.0S–.20 173.4W–.20 33 3.8b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 28 05 55 19.7–6.3 15.6S–.20 173.2W–.10 8–39 4.5b,3.8s 41 2-146
IDC XI 28 05 55 18.5–.80 15.70S 173.07W 0 4.7,4.4 **¶11653347**
ISCJB XI 28 05 55 20.4–4.1 15.5S–.10 173.3W–.10 21–29 4.5b,3.8s
NEIC XI 28 05 55 23.7–.25 15.66S 173.13W 35 4.6b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=45.4km s-min=15.6km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=30.4km s-min=8.2km az=137.7.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=5.1km az=140.0.
ISC XI 28 19 07 34.8–1.3 15.1S–.20 175.0W–.20 251–16 3.7b 22 3-83
ISCJB XI 28 19 07 33.8–1.4 15.1S–.20 175.0W–.20 254–16 3.7b **¶12075167**
NEIC XI 28 19 07 34.8–1.2 15.09S 174.95W 253–14 3.8b
IDC XI 28 19 07 35.0–2.0 14.97S 175.01W 247–30 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=44.8km s-min=16.5km az=152.5.
NEIC Event type se. Error ellipse: s-maj=36.3km s-min=13.4km az=152.0.
IDC Error ellipse: s-maj=96.6km s-min=16.0km az=147.0.
IDC XI 29 09 34 44.6–6.6 18.01S 175.58W 0 3.9,3.7b
¶12075245

IDC Error ellipse: s-maj=302.8km s-min=27.4km az=143.0.
IDC XI 29 19 30 44.1–7.1 15.99S 175.87W 0 4.1,3.8b
¶12075278

IDC Error ellipse: s-maj=313.3km s-min=36.7km az=140.0.
ISC XI 30 05 56 42.9–8.0 18.7S–.20 173.8W–.20 15–52 3.9b 16 5-86
IDC XI 30 05 56 40.5–1.5 18.66S 173.77W 0 4.1,3.9 **¶12075312**
ISCJB XI 30 05 56 43.6–.99 18.7S–.20 173.8W–.20 33 3.9b,3.9
NEIC XI 30 05 56 43.5–6.8 18.67S 173.76W 20–44 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=58.4km s-min=23.0km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=34.1km s-min=13.8km az=36.3.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=12.9km az=124.0.
IDC XI 30 12 51 41.6–9.2 19.21S 175.81W 328–9 3.9,3.8b
¶12075332

IDC Error ellipse: s-maj=168.1km s-min=28.3km az=61.0.
IDC XII 01 12 33 27.3–6.2 17.62S 174.78W 256–143 3.5,3.4b
¶12075407

IDC Error ellipse: s-maj=137.9km s-min=32.4km az=75.0.
IDC XII 01 13 41 09.9–3.9 15.36S 175.23W 0 4.0,3.8s
¶12075416

IDC Error ellipse: s-maj=254.9km s-min=32.4km az=150.0.
IDC XII 02 07 34 17.1–2.0 15.27S 173.38W 0 4.0,3.8
¶12075483

IDC Error ellipse: s-maj=118.9km s-min=20.4km az=150.0.
ISC XII 02 13 45 24.0–2.1 16.4S–.20 174.0W–.20 36–22 3.6b 18 3-147
IDC XII 02 13 45 17.5–1.6 16.84S 173.72W 0 3.9,3.8 **¶12075508**
ISCJB XII 02 13 45 23.1–2.3 16.3S–.20 174.1W–.20 41–23 3.6b,3.8
NEIC XII 02 13 45 24.4–1.7 16.43S 173.99W 41–17 3.6b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=94.4km s-min=19.9km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=42.8km s-min=17.3km az=138.0.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=11.3km az=134.0.
ISC XII 03 04 49 39.0–1.8 16.8S–.10 174.1W–.10 105–16 4.1b 28 4-175
ISCJB XII 03 04 49 37.4–1.8 16.7S–.10 174.2W–.10 101–16 4.1b **¶12075588**
NEIC XII 03 04 49 38.9–1.1 16.81S 174.11W 104–10 4.4b
IDC XII 03 04 49 39.1–2.9 16.75S 174.10W 103–25 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.1km s-min=13.8km az=135.7.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.0km az=130.0.
IDC Error ellipse: s-maj=29.1km s-min=16.0km az=136.0.
IDC XII 03 05 22 00.1–7.7 15.61S 175.80W 0 3.8,3.6
¶12075591

IDC Error ellipse: s-maj=341.3km s-min=35.8km az=140.0.
IDC XII 03 23 46 31.3–5.2 15.38S 173.46W 0 4.0,3.8
¶12075660

IDC Error ellipse: s-maj=301.6km s-min=26.6km az=147.0.
ISC XII 04 02 16 47.1–1.3 15.8S–.50 173.8W–.30 35 4.0b 21 3-175
IDC XII 04 02 16 41.1–.91 16.10S 173.64W 0 4.3,4.2 **¶11653388**
ISCJB XII 04 02 16 45.1–1.3 15.8S–.50 173.9W–.30 33 4.0b,4.2
NEIC XII 04 02 16 46.2–.55 16.08S 173.63W 35 4.1b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=53.8km s-min=16.8km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=83.5km s-min=11.6km az=147.4.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=9.6km az=147.0.
IDC XII 04 17 40 04.2–3.0 16.05S 175.51W 0 4.1,3.9b
¶12075766

IDC Error ellipse: s-maj=164.3km s-min=53.1km az=150.0.
ISC XII 04 19 14 08.1–.75 15.68S–.09 175.95W–.08 333–8 4.4b 97 4-177
SZGRF XII 04 19 13 30.4 16.72S 176.17W 33 4.4b **¶12075777**
ISCJB XII 04 19 14 07.3–.79 15.68S–.09 176.01W–.08 338–8 4.4b
NEIC XII 04 19 14 09.0–.65 15.76S 175.89W 344–6 4.6b
IDC XII 04 19 14 08.1–1.1 15.83S 175.95W 338–12 4.1,4.0
MOS XII 04 19 14 09.3–1.6 15.48S 176.09W 345 4.4b,4.0
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=7.1km az=142.2.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.7km az=141.0.
IDC Error ellipse: s-maj=18.5km s-min=8.9km az=138.0.
MOS Error ellipse: s-maj=11.6km s-min=9.9km az=78.8.
IDC XII 05 16 58 28.4–4.6 15.58S 173.14W 0 4.0,3.8
¶12075903

IDC Error ellipse: s-maj=221.0km s-min=22.7km az=139.0.
ISC XII 06 07 53 56.2–.56 20.7S–.10 174.1W–.10 35 4.1b 30 7-151
IDC XII 06 07 53 51.0–1.1 20.52S 174.12W 0 4.2,4.1 **¶12075995**
ISCJB XII 06 07 53 54.2–.56 20.7S–.10 174.1W–.10 33 4.1b,4.1
NEIC XII 06 07 53 56.1–.36 20.62S 174.12W 35 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=50.7km s-min=17.8km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=23.7km s-min=12.1km az=136.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=8.4km az=138.0.
ISC XII 06 23 36 44.1–.22 19.44S–.04 175.81W–.04 238 5.0b 248 6-173
DJA XII 06 23 36 41 19.63S 175.39W 236 5.4b **¶11493281**
BJI XII 06 23 36 41.4 19.66S 174.89W 257 5.0b,4.9b
ISCJB XII 06 23 36 42.5–.21 19.43S–.04 175.82W–.04 236 5.0b,4.9b
MOS XII 06 23 36 43.9–2.4 18.05S 176.50W 190 5.2b,4.9b
IDC XII 06 23 36 43.6–.70 19.47S 175.84W 231–6 4.7,4.6
NEIC XII 06 23 36 46.8–.78 19.37S 175.92W 260–7 4.9b,4.6
BGS XII 06 23 36 49.0–3.2 19.37S 175.92W 260–0 4.9b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.7km az=144.5.
MOS Error ellipse: s-maj=10.7km s-min=10.0km az=127.2.

IDC Error ellipse: s-maj=12.2km s-min=7.5km az=127.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.9km az=136.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC XII 07 10 36 29.4–.56 21.0S–.10 173.81W–.09 35 4.3b 37 7-152
IDC XII 07 10 36 25.8–.94 20.84S 174.04W 0 4.4,4.2b **¶11653409**
ISCJB XII 07 10 36 27.5–.58 21.1S–.10 173.81W–.10 33 4.3b,4.2b
NEIC XII 07 10 36 29.9–.43 21.10S 173.84W 35 4.7b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=16.8km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=11.4km az=157.4.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=9.5km az=159.0.
ISC XII 07 11 30 09.1–1.4 16.7S–.20 174.7W–.20 174–15 3.7b 23 4-150
ISCJB XII 07 11 30 08.2–1.4 16.6S–.20 174.8W–.20 178–16 3.7b **¶12076170**
IDC XII 07 11 30 09.6–2.3 16.72S 174.69W 180–21 3.8,3.6b
NEIC XII 07 11 30 10.1–1.1 16.69S 174.68W 185–10 3.5b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.0km s-min=14.8km az=42.0.
IDC Error ellipse: s-maj=29.6km s-min=14.7km az=136.0.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=9.2km az=136.0.
IDC XII 07 21 55 57.5–45 15.78S 173.84W 0 4.4,4.2b
¶12076252

IDC Error ellipse: s-maj=869.3km s-min=174.1km az=79.0.
ISC XII 09 13 56 10.9–4.8 18.0S–.40 175.0W–.40 236–33 3.6b 16 7-148
IDC XII 09 13 56 06.2–11 18.04S 174.86W 193–97 3.9,3.6b **¶12076553**
NEIC XII 09 13 56 09.9–3.9 18.12S 174.93W 229–27 3.6b,3.6b
ISCJB XII 09 13 56 10.8–4.8 18.0S–.40 175.0W–.40 249–33 3.6b,3.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 09 15 25 29.8–.74 15.1S–.20 173.2W–.20 35 3.9b 16 2-146
IDC XII 09 15 25 24.9–.84 15.16S 173.26W 0 4.1,3.9b **¶12076559**
NEIC XII 09 15 25 26.5–.59 15.15S 173.24W 10 4.1,3.9b
ISCJB XII 09 15 25 28.1–.74 15.1S–.20 173.3W–.20 33 3.9b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 10 01 59 29.6–2.1 20.46S 173.70W 0 4.5L,4.3
¶12076653

IDC Error ellipse: s-maj=60.9km s-min=33.2km az=132.0.
ISC XII 10 16 38 07.7–1.9 19.22S–.08 175.7W–.10 242–15 4.1b 45 6-149
IDC XII 10 16 38 00.8–2.2 19.09S 175.59W 177–20 4.1,4.0b **¶12076771**
NEIC XII 10 16 38 08.8–1.9 19.24S 175.71W 252–15 4.5b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=13.0km az=132.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=13.3km az=114.0.
IDC XII 11 10 29 28.2–3.5 15.37S 173.27W 0 3.8,3.6
¶12076902

IDC Error ellipse: s-maj=193.8km s-min=28.3km az=146.0.
ISC XII 11 16 29 11.5–.10 19.11S–.03 175.40W–.02 241 5.2b 679 6-173
MOS XII 11 16 29 04.0–.90 19.04S 175.38W 186 4.9b **¶12076948**
ISCJB XII 11 16 29 10.0–.10 19.11S–.03 175.43W–.02 239 5.2b
IDC XII 11 16 29 10.9–.56 19.16S 175.35W 240–5 4.9b,4.9
NEIC XII 11 16 29 10.5–.14 19.11S 175.33W 238 5.0b,4.9
BJI XII 11 16 29 10.8 18.41S 175.22W 230 5.3b,5.2b
BGS XII 11 16 29 11.8–3.5 19.11S 175.33W 238–0 5.0b,5.2b
GCMT XII 11 16 29 13.1–.20 19.13S 174.94W 243–1 5.3W,5.2b
DJA XII 11 16 29 21 19.28S 175.90W 314 5.3W,5.2b
ISC Event type se.
MOS Error ellipse: s-maj=9.1km s-min=7.5km az=51.4.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.4km az=146.7.
IDC Error ellipse: s-maj=11.0km s-min=7.5km az=129.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=146.0.
BGS Error ellipse: s-maj=779.2km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s66,c94; s73,c110; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s278.00000°,δ14.00000°,λ151.00000°. NP2:ϕ_s37.00000° ,δ83.00000°,λ78.00000°. Principal axes: T 1.0400,Plg50.0000°,Azm293.0000° ; N 0.0300,Plg12.0000°,Azm38.0000°; P -1.0700,Plg37.0000°,Azm137.0000° $M_0$1.10000×10^{17}
IDC XII 12 08 35 22.1–45 15.31S 173.50W 0 4.1,4.0b
¶12077084

IDC Error ellipse: s-maj=865.9km s-min=180.2km az=78.0.
ISC XII 12 23 25 43.6–1.2 17.6S–.30 175.1W–.20 305–22 3.8b 14 5-48
ISCJB XII 12 23 25 43.2–1.1 17.5S–.20 175.1W–.20 316–20 3.8b **¶12077214**
IDC XII 12 23 25 43.6–8.7 17.52S 175.04W 306–224 3.7,3.6b
NEIC XII 12 23 25 43.5–1.0 17.62S 175.05W 304–16 3.6b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.6km s-min=17.9km az=154.5.
IDC Error ellipse: s-maj=213.9km s-min=33.6km az=69.0.
NEIC Event type se. Error ellipse: s-maj=31.1km s-min=15.0km az=161.0.
ISC XII 13 09 28 02.4–.77 16.5S–.20 175.9W–.10 365–10 3.6b 23 5-146
ISCJB XII 13 09 28 01.2–.89 16.4S–.20 176.1W–.20 361–13 3.6b **¶12077276**
IDC XII 13 09 28 01.3–1.4 16.39S 176.09W 350–17 3.6,3.4
NEIC XII 13 09 28 03.2–.89 16.44S 176.00W 376–9 3.9b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.9km s-min=13.8km az=145.2.
IDC Error ellipse: s-maj=31.2km s-min=13.6km az=136.0.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=10.7km az=148.0.
IDC XII 13 10 12 51.2–3.4 21.20S 175.46W 0 4.1,3.9
¶12077282

IDC Error ellipse: s-maj=259.1km s-min=27.7km az=157.0.
IDC XII 13 20 37 14.0–17 20.64S 174.42W 0 4.4,4.2b
¶12077331

IDC Error ellipse: s-maj=319.0km s-min=142.4km az=81.0.
ISC XII 14 10 50 07.0–1.8 16.4S–.20 174.1W–.20 69–17 3.8b 24 3-152
ISCJB XII 14 10 50 05.9–1.9 16.3S–.20 174.1W–.20 73–18 3.8b **¶11538949**
IDC XII 14 10 50 07.3–3.0 16.56S 173.94W 75–27 4.0,3.8
NEIC XII 14 10 50 07.7–1.5 16.43S 174.06W 77–14 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.4km s-min=13.8km az=43.2.
IDC Error ellipse: s-maj=41.4km s-min=14.7km az=139.0.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=11.0km az=132.0.
IDC XII 14 17 00 47.2–4.3 20.24S 175.37W 0 3.7,3.5
¶12077476

IDC Error ellipse: s-maj=201.1km s-min=37.2km az=144.0.
IDC XII 15 00 00 32.8–27 21.10S 173.63W 0 4.5,4.3b
¶12077503

IDC Error ellipse: s-maj=498.3km s-min=146.4km az=76.0.
IDC XII 15 08 31 35.5–1.7 20.84S 174.61W 0 4.2,4.1
¶12077565

IDC Error ellipse: s-maj=63.7km s-min=21.1km az=144.0.
ISC XII 15 19 40 25.0–1.2 16.5S–.10 174.4W–.10 124–12 4.2b 49 4-175
ISCJB XII 15 19 40 23.8–1.3 16.4S–.10 174.4W–.10 126–13 4.2b **¶12077650**
IDC XII 15 19 40 26.0–2.4 16.46S 174.36W 135–21 4.1,4.0
NEIC XII 15 19 40 26.3–1.4 16.48S 174.33W 140–13 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=10.4km az=43.6.
IDC Error ellipse: s-maj=18.4km s-min=12.3km az=133.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=9.6km az=136.0.
IDC XII 16 06 13 12.9–48 18.10S 174.68W 0 4.1,3.9b
¶12077723

IDC Error ellipse: s-maj=913.8km s-min=159.4km az=81.0.
IDC XII 17 18 12 59.2–3.5 16.34S 175.36W 0 4.1,4.0b
¶12077939

IDC Error ellipse: s-maj=74.7km s-min=46.1km az=68.0.
IDC XII 17 18 47 40.3–29 17.70S 175.41W 0 4.0s,4.0
¶12077947

IDC Error ellipse: s-maj=563.7km s-min=143.7km az=86.0.
ISC XII 18 21 17 15.8–1.5 16.1S–.10 174.0W–.10 97–15 4.2b 31 3-147
ISCJB XII 18 21 17 14.4–1.6 16.2S–.10 174.1W–.10 101–16 4.2b **¶12078098**
IDC XII 18 21 17 15.0–2.9 16.15S 174.08W 84–28 4.2,4.1

NEIC XII 18 21 17 15.5–1.1 16.17S 174.03W 95–10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=15.3km az=140.9.
IDC Error ellipse: s-maj=44.5km s-min=18.5km az=137.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.0km az=140.0.
ISC XII 19 10 37 24.1–.50 15.2S–.10 173.8W–.10 35 4.2b 35 2-146
IDC XII 19 10 37 18.3–.63 15.14S 173.63W 0 4.4,4.2 **¶12078196**
ISCJB XII 19 10 37 22.0–.50 15.1S–.10 173.8W–.10 33 4.2b,4.2
NEIC XII 19 10 37 23.4–.48 15.14S 173.66W 35 4.1b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=14.7km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=10.7km az=139.9.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=10.1km az=142.0.
IDC XII 19 19 17 00.3–1.9 17.66S 173.91W 0 4.1,3.8b
¶12078239

IDC Error ellipse: s-maj=134.9km s-min=30.0km az=152.0.
IDC XII 20 17 02 55.1–1.7 15.29S 175.21W 244–53 3.6,3.3
¶12078356

IDC Error ellipse: s-maj=375.4km s-min=18.7km az=152.0.
IDC XII 20 23 44 52.2–6.8 18.27S 173.36W 0 4.2,3.9b
¶12078395

IDC Error ellipse: s-maj=310.2km s-min=33.5km az=142.0.
IDC XII 22 10 42 09.5–3.0 16.62S 175.59W 214–72 3.1,2.9
¶12078545

IDC Error ellipse: s-maj=382.2km s-min=26.4km az=142.0.
NEIC XII 23 11 58 20.7–1.5 15.43S 173.66W 10 4.2b
IDC XII 23 11 58 19.7–2.1 15.36S 173.77W 0 4.4,4.1b **¶12078672**
NEIC Event type se. Error ellipse: s-maj=92.5km s-min=11.4km az=147.0.
IDC Error ellipse: s-maj=124.5km s-min=20.1km az=146.0.
ISC XII 23 16 16 25.0–.53 16.7S–.10 173.7W–.10 35 4.2b 35 3-152
IDC XII 23 16 16 20.1–1.3 16.62S 173.67W 0 4.5,4.3 **¶11519077**
ISCJB XII 23 16 16 23.1–.53 16.6S–.10 173.7W–.10 33 4.2b,4.3
NEIC XII 23 16 16 25.0–.40 16.76S 173.67W 35 4.0b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=78.5km s-min=16.8km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=9.2km az=139.9.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=9.4km az=139.0.
IDC XII 24 05 48 38.3–5.7 18.25S 174.87W 343–168 3.5,3.4b
¶12078772

IDC Error ellipse: s-maj=162.2km s-min=29.1km az=68.0.
IDC XII 25 22 36 46.2–2.0 15.55S 173.33W 0 4.0,3.9b
¶12078972

IDC Error ellipse: s-maj=60.3km s-min=33.3km az=121.0.
IDC XII 26 03 09 01.4–19 16.27S 174.98W 0 4.3,4.2b
¶12078990

IDC Error ellipse: s-maj=383.4km s-min=56.3km az=56.0.
ISC XII 28 04 47 52.8–1.5 16.2S–.10 176.0W–.10 389–14 4.2b 41 6-176
IDC XII 28 04 47 51.4–3.0 16.53S 175.81W 385–30 3.9,3.7b **¶12079238**
NEIC XII 28 04 47 51.7–1.6 16.24S 175.87W 385–14 4.3b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=13.1km az=146.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=13.5km az=143.0.
ISC XII 28 15 20 31.9–4.0 16.5S–.20 174.9W–.20 47–39 4.2b 20 23-147
IDC XII 28 15 20 25.4–1.0 16.29S 175.15W 0 4.5,4.2b **¶12079280**
ISCJB XII 28 15 20 27.6–4.7 16.4S–.20 175.0W–.20 25–34 4.2b,4.2b
NEIC XII 28 15 20 47.9–.59 16.75S 174.92W 200 3.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=37.1km s-min=17.2km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=40.6km s-min=18.5km az=136.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=10.8km az=135.0.
ISC XII 29 01 38 18.4–3.9 15.5S–.10 173.2W–.10 57–38 4.3b,3.9s 35 9-175
NEIC XII 29 01 38 16.0–.33 15.34S 173.30W 35 4.8b,3.9s **¶11625129**
IDC XII 29 01 38 21.1–.67 15.36S 173.22W 79–5 4.2,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.8km az=147.0.
IDC Error ellipse: s-maj=24.4km s-min=12.5km az=122.0.
IDC XII 29 01 54 16.9–49 15.88S 175.20W 0 4.1,3.9b
¶12079332

IDC Error ellipse: s-maj=929.8km s-min=179.1km az=78.0.
IDC XII 29 13 55 01.3–4.8 15.96S 174.89W 0 4.6,4.4b
¶12079404

IDC Error ellipse: s-maj=163.5km s-min=59.5km az=136.0.
ISC XII 29 23 12 30.9–3.1 18.7S–.20 175.2W–.20 254–22 3.8b 18 6-149
IDC XII 29 23 12 18.9–19 18.30S 175.22W 136–161 4.0,3.8b **¶12079464**
ISCJB XII 29 23 12 31.5–3.1 18.6S–.20 175.4W–.20 268–22 3.8b,3.8b
NEIC XII 29 23 12 31.3–2.2 18.69S 175.30W 255–16 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=120.7km s-min=52.9km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=38.3km s-min=27.9km az=11.2.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=16.9km az=111.0.
ISC XII 30 21 41 15.7–3.1 15.5S–.20 173.5W–.20 179–28 3.4b 16 8-146
IDC XII 30 21 40 54.0–1.7 15.63S 173.17W 0 4.2s,4.2 **¶12079597**
ISCJB XII 30 21 41 15.5–3.2 15.5S–.20 173.5W–.20 191–28 3.4b,4.2
NEIC XII 30 21 41 15.3–2.4 15.43S 173.48W 177–20 3.8b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=110.7km s-min=23.3km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=39.7km s-min=22.5km az=142.1.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=15.0km az=142.0.

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IDC VII 02 12 58 30.4–17 22.33S 175.16W 0 4.4,4.3b
¶12697943

IDC Error ellipse: s-maj=321.5km s-min=149.8km az=80.0.
IDC VII 09 20 06 42.6–4.7 23.47S 175.23W 0 4.0,3.8b
¶12698102

IDC Error ellipse: s-maj=225.0km s-min=64.9km az=157.0.
IDC VII 13 04 42 56.1–18 22.17S 174.75W 0 4.3,4.2b
¶12698180

IDC Error ellipse: s-maj=337.3km s-min=153.7km az=80.0.
IDC VII 14 11 24 12.6–17 23.25S 175.05W 0 4.5,4.3b
¶12698212

IDC Error ellipse: s-maj=326.7km s-min=132.4km az=82.0.
IDC VII 19 20 09 41.1–3.9 22.82S 175.22W 0 4.2,4.1b
¶12698330

IDC Error ellipse: s-maj=151.9km s-min=34.3km az=145.0.
ISC VII 21 20 14 45.2–.27 23.37S–.05 175.35W–.06 35 5.0b,4.5s 123 6-154
IDC VII 21 20 14 39.3–.52 23.25S 175.38W 0 4.9,4.8 **¶11134033**
ISCJB VII 21 20 14 43.3–.26 23.41S–.05 175.35W–.06 33 5.0b,4.5s
MOS VII 21 20 14 44.4–1.0 23.18S 175.51W 38 5.0b,4.5s
DJA VII 21 20 14 47 23.47S 175.98W 20 5.2b,4.5s
BJI VII 21 20 14 48.9 23.22S 174.83W 86 5.4b,5.1s
NEIC VII 21 20 14 48.5–1.7 23.36S 175.40W 66–14 4.8b,5.1s
SZGRF VII 21 20 14 52.5 23.32S 174.71W 33 4.8b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=15.3km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.3km az=38.1.
MOS Error ellipse: s-maj=13.4km s-min=12.4km az=3.4.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.2km az=138.0.
SZGRF Tonga Islands region.
ISC VII 25 15 27 14.8–.74 19.37S–.07 172.6W–.10 35 3.8b 12 5-86
ISCJB VII 25 15 27 12.2–.75 19.36S–.07 172.6W–.10 33 3.8b **¶11812592**
IDC VII 25 15 27 13.1–1.4 19.33S 173.25W 0 4.0,3.8
NEIC VII 25 15 27 14.7–.73 19.38S 172.62W 35 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=9.3km az=17.2.
IDC Error ellipse: s-maj=55.5km s-min=23.1km az=129.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=13.5km az=140.0.
IDC VII 26 06 47 52.0–1.4 22.70S 175.94W 0 4.3L,4.3
¶12698438

IDC Error ellipse: s-maj=50.2km s-min=23.6km az=152.0.
IDC VIII 02 00 48 05.3–2.3 23.04S 174.52W 0 4.1,3.8b

NEIC VIII 02 00 48 18.0–2.1 23.13S 174.68W 100 4.2b,3.8b **¶11907685**
IDC Error ellipse: s-maj=147.7km s-min=26.0km az=156.0.
NEIC Event type se. Error ellipse: s-maj=126.0km s-min=20.8km az=157.0.
ISC VIII 08 07 16 42.7–.00 23.9S–.20 175.2W–.10 10 3.9b 14 9-151
ISCJB VIII 08 07 16 41.4–.99 23.8S–.20 175.3W–.10 10 3.9b **¶11907949**
IDC VIII 08 07 16 42.0–1.8 23.59S 175.29W 0 4.2,4.1
NEIC VIII 08 07 16 42.5–.83 23.87S 175.16W 10 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.3km s-min=18.2km az=170.9.
IDC Error ellipse: s-maj=75.5km s-min=23.0km az=157.0.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=16.7km az=171.0.
IDC VIII 20 15 49 00.9–29 22.46S 173.92W 0 4.1,3.9b
¶12581237

IDC Error ellipse: s-maj=532.1km s-min=160.6km az=78.0.
IDC VIII 22 12 41 15.0–2.0 23.68S 175.82W 0 4.2,4.0
¶11232314

IDC Error ellipse: s-maj=89.6km s-min=26.9km az=156.0.
IDC VIII 22 12 57 27.8–5.9 22.72S 175.80W 0 4.2,3.9b
¶12581292

IDC Error ellipse: s-maj=248.5km s-min=38.0km az=146.0.
ISC VIII 26 07 05 27.0–.66 23.5S–.10 175.4W–.10 35 4.2b,3.6s 18 8-151
IDC VIII 26 07 05 23.0–.98 23.39S 175.94W 0 4.4,4.3 **¶11908846**
ISCJB VIII 26 07 05 24.5–.67 23.3S–.10 175.5W–.10 33 4.2b,3.6s
NEIC VIII 26 07 05 27.4–.56 23.52S 175.17W 35 4.4b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=20.9km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=13.3km az=138.2.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=13.6km az=174.0.
IDC VIII 28 07 11 37.0–11 17.36S 172.12W 0 3.6,3.5
¶12581491

IDC Error ellipse: s-maj=487.0km s-min=39.9km az=140.0.
ISC VIII 28 19 11 59.0–1.0 22.4S–.20 175.0W–.20 35 4.1b 10 14-150
IDC VIII 28 19 11 53.6–1.5 22.28S 174.96W 0 4.2,4.1b **¶11909022**
NEIC VIII 28 19 11 54.8–.78 22.35S 174.89W 10 4.5b,4.1b
ISCJB VIII 28 19 11 57.0–1.0 22.4S–.20 175.0W–.20 33 4.1b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 28 19 17 40.7–.49 22.57S–.09 175.0W–.10 35 4.7b,4.0s 45 8-170
BJI VIII 28 19 17 35.6 22.50S 175.00W 10 5.2b,5.0b **¶11265372**
IDC VIII 28 19 17 35.2–.72 22.49S 175.06W 0 4.7,4.6
NEIC VIII 28 19 17 36.6–.43 22.54S 175.03W 10 5.1b,4.6
ISCJB VIII 28 19 17 38.8–.49 22.60S–.09 175.0W–.10 33 4.7b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 01 11 01 17.6–1.5 22.87S–.06 174.82W–.05 46–12 5.1b,4.5s 502 8-156
IDC IX 01 11 01 10.8–.60 22.66S 174.88W 0 4.9,4.8 **¶11227350**
ISCJB IX 01 11 01 13.1–3.3 22.84S–.06 174.83W–.05 23–22 5.1b,4.5s
GCMT IX 01 11 01 15.8–.40 22.87S 174.39W 19–1 5.0W,4.5s
MOS IX 01 11 01 18.2–1.4 22.65S 174.93W 33 5.4b,4.5s
NEIC IX 01 11 01 19.4–1.8 22.74S 174.93W 59–15 5.1b,4.5s
SZGRF IX 01 11 01 19.9 21.75S 173.44W 33 5.1b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=15.1km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.0km az=150.1.
GCMT Event type se. Data Used: ll IC IU G CN. Moment Tensor Solution. s27,c35; s66,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}3.14±.20 $M_{\theta\theta}$-1.34±.13; $M_{\phi\phi}$-1.80±.13; $M_{r\theta}$2.16±.28; $M_{\theta\phi}$-1.56±.08; $M_{\phi r}$0.92±.26; Best double couple: NP1:ϕ_s208.00000°,δ29.00000°,λ65.00000°. NP2:ϕ_s56.00000°,δ63.00000°,λ103.00000°. Principal axes: T 4.0300,Plg69.0000° ,Azm352.0000°; N -0.2100,Plg12.0000°,Azm229.0000°; P -3.8100,Plg17.0000° ,Azm136.0000° M_o3.90000×10^{16}
MOS Error ellipse: s-maj=12.9km s-min=10.4km az=49.1.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.6km az=147.0.
SZGRF Tonga Islands.
ISC IX 01 15 11 48.0–.45 22.75S–.10 174.8W–.10 41 4.4b 34 8-170
ISCJB IX 01 15 11 46.4–.43 22.67S–.09 174.8W–.10 39 4.4b **¶11909227**
NEIC IX 01 15 11 47.9–.43 22.61S 174.82W 39 4.4b
IDC IX 01 15 11 48.2–.59 22.54S 174.93W 40–5 4.3,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=12.0km az=40.7.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.1km az=147.0.
IDC Error ellipse: s-maj=21.0km s-min=15.1km az=124.0.
IDC IX 05 14 06 34.7–18 23.17S 174.52W 0 4.2,4.0b
¶11909530

IDC Error ellipse: s-maj=334.9km s-min=140.0km az=82.0.
IDC IX 06 15 37 27.9–26 22.14S 173.09W 0 4.3,4.1b
¶11909614

IDC Error ellipse: s-maj=487.8km s-min=152.4km az=76.0.
ISC IX 07 06 43 20.4–.50 17.2S–.10 173.0W–.10 35 4.1b,3.9s 26 3-173
IDC IX 07 06 43 14.7–.62 17.17S 172.84W 0 4.4,4.3 **¶11279450**
ISCJB IX 07 06 43 18.5–.50 17.2S–.10 173.0W–.10 33 4.1b,3.9s
NEIC IX 07 06 43 21.4–.46 17.25S 172.92W 45 4.2b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=16.2km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=11.6km az=135.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=12.0km az=134.0.
IDC IX 08 12 35 07.3–19 22.75S 175.32W 0 4.4,4.2b
¶11909814

IDC Error ellipse: s-maj=348.5km s-min=128.0km az=82.0.
IDC IX 09 13 50 31.2–17 22.18S 174.89W 0 4.2,4.1b
¶11909876

IDC Error ellipse: s-maj=330.9km s-min=149.9km az=81.0.
ISC IX 10 23 40 08.8–.38 22.18S–.07 175.67W–.08 35 4.4b 44 7-151
IDC IX 10 23 40 03.2–.65 22.09S 175.63W 0 4.5,4.3 **¶11910013**
ISCJB IX 10 23 40 06.9–.37 22.18S–.07 175.71W–.08 33 4.4b,4.3
NEIC IX 10 23 40 06.8–2.5 22.10S 175.66W 23–17 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=16.3km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.8km az=42.7.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.8km az=137.0.
ISC IX 20 01 29 52.0–3.0 24.0S–.20 175.9W–.20 80–24 4.2b 16 8-169
IDC IX 20 01 29 42.3–.86 23.68S 175.94W 0 4.5,4.3b **¶11322796**
NEIC IX 20 01 29 46.0–3.0 23.89S 175.24W 29–21 4.6b,4.3b
ISCJB IX 20 01 29 50.0–4.5 24.0S–.20 175.9W–.20 76–35 4.2b,4.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 21 10 03 20.0–17 23.51S 174.26W 0 4.4,4.3b
¶11910759

IDC Error ellipse: s-maj=316.2km s-min=135.5km az=83.0.
ISC IX 23 15 20 10.6–.40 23.85S–.09 175.41W–.09 35 4.7b,4.1s 48 9-169
IDC IX 23 15 20 05.0–.66 23.59S 175.59W 0 4.6,4.5 **¶11284486**
BJI IX 23 15 20 07.2 23.97S 174.91W 35 5.3s,5.2b
ISCJB IX 23 15 20 08.8–.40 23.85S–.09 175.46W–.09 33 4.7b,4.1s
NEIC IX 23 15 20 10.3–.44 23.79S 175.49W 35 4.7b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=16.8km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=11.1km az=140.5.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=12.3km az=160.0.
IDC IX 24 15 10 47.0–26 22.43S 172.30W 0 4.2,4.0b
¶11910932

IDC Error ellipse: s-maj=486.2km s-min=148.0km az=78.0.
IDC IX 30 01 27 56.5–28 21.85S 172.52W 0 4.2,4.1b
¶11911423

IDC Error ellipse: s-maj=518.1km s-min=167.9km az=75.0.
IDC X 04 16 05 27.6–29 23.35S 173.45W 0 4.1,3.9b
¶12065913

IDC Error ellipse: s-maj=529.6km s-min=153.0km az=79.0.
IDC X 10 09 39 59.2–4.5 23.01S 175.60W 0 4.1,3.8b
¶12066494

IDC Error ellipse: s-maj=278.6km s-min=34.1km az=155.0.
IDC X 11 19 14 54.8–28 22.27S 174.40W 0 4.0,3.9b
¶12066602

IDC Error ellipse: s-maj=514.7km s-min=143.9km az=78.0.
ISC X 15 14 46 45.1–.69 22.9S–.20 174.58W–.09 35 4.0b 24 9-151
IDC X 15 14 46 40.0–1.4 22.89S 174.60W 0 4.5L,4.3 **¶12068690**
ISCJB X 15 14 46 43.1–.70 22.9S–.20 174.61W–.09 33 4.0b,4.3
NEIC X 15 14 46 45.0–.53 22.93S 174.58W 35 4.4b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=77.0km s-min=18.7km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=11.7km az=172.6.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=9.3km az=172.0.
IDC X 16 10 52 48.5–25 23.03S 171.54W 0 4.3,4.1b
¶12068763

IDC Error ellipse: s-maj=479.5km s-min=153.9km az=78.0.
IDC X 16 11 36 35.3–5.6 19.52S 172.07W 0 3.8,3.6
¶12068764

IDC Error ellipse: s-maj=243.9km s-min=38.6km az=139.0.
IDC X 16 14 24 45.8–27 22.17S 173.34W 0 4.2,4.0
¶12068776

IDC Error ellipse: s-maj=507.6km s-min=147.6km az=78.0.
ISC X 19 12 55 04.8–1.5 22.08S–.03 173.68W–.03 29–10 5.7b,5.2s 537 8-179
IDC X 19 12 55 00.1–.39 21.97S 173.68W 0 5.5,5.5b **¶11360270**
ISCJB X 19 12 55 01.6–1.5 22.04S–.04 173.72W–.03 18–10 5.7b,5.2s
SZGRF X 19 12 55 04.0 22.57S 173.67W 33 5.4b,5.2s
BJI X 19 12 55 04.0 21.69S 173.46W 31 5.8b,5.7b
NEIC X 19 12 55 05.7–.08 21.97S 173.70W 35 5.7b,5.5W
MOS X 19 12 55 05.8–.76 21.62S 173.63W 33 5.9b,5.2s
BGS X 19 12 55 06.3–6.2 21.97S 173.30W 33–0 5.7b,5.2s
DJA X 19 12 55 06 21.97S 173.41W 21 6.2W,5.2s
GCMT X 19 12 55 06.4–.10 22.01S 173.40W 28–0 5.6W,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=12.5km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.4km az=154.3.
SZGRF Tonga Islands region.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.7km az=148.0. Moment Tensor Solution. s90 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.90 $M_{\theta\theta}$0.53 $M_{\phi\phi}$1.37 $M_{r\theta}$0.42 $M_{\theta\phi}$1.61 $M_{\phi r}$0.87 Best double couple: NP1:ϕ_s210.00000°,δ57.00000°,λ-99.00000°. NP2:ϕ_s47.00000° ,δ34.00000°,λ-76.00000°. Principal axes: T 2.8000,Plg11.0000°,Azm307.0000° ; N -0.6900,Plg7.0000°,Azm215.0000°; P -2.1200,Plg76.0000°,Azm91.0000° M_o2.50000×10^{17}
MOS Error ellipse: s-maj=11.7km s-min=7.9km az=74.1.
BGS Error ellipse: s-maj=588.3km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=207, per= 50. Moment Tensor Solution. s88,c165; s9,c9; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.92±.05 $M_{\theta\theta}$0.46±.03; $M_{\phi\phi}$2.47±.04; $M_{r\theta}$0.31±.07; $M_{\theta\phi}$1.32±.03; $M_{\phi r}$0.77±.06; Best double couple: NP1: ϕ_s28.00000°,δ37.00000°,λ-88.00000°. NP2:ϕ_s205.00000°,δ53.00000°,λ-92.00000°. Principal axes: T 3.2300,Plg8.0000°,Azm296.0000°; N -0.1900,Plg1.0000°,Azm206.0000° ; P -3.0300,Plg82.0000°,Azm107.0000° M_o3.10000×10^{17}
ISC X 22 17 10 18.2–1.6 22.9S–.10 175.66W–.10 70–16 4.1b 25 8-150
IDC X 22 17 10 09.2–.71 22.54S 175.86W 0 4.5,4.5L **¶12070813**
ISCJB X 22 17 10 16.4–1.9 22.9S–.10 175.69W–.10 65–18 4.1b,4.5L
NEIC X 22 17 10 18.4–1.7 22.90S 175.66W 77–16 4.6b,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=20.4km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=15.2km az=172.7.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=13.6km az=171.0.
IDC X 23 03 28 23.0–27 22.38S 173.08W 0 4.5,4.3b
¶12070857

IDC Error ellipse: s-maj=492.5km s-min=143.9km az=78.0.
IDC X 24 18 23 58.2–1.1 19.56S 172.61W 0 4.5,4.5L
¶12071013

IDC Error ellipse: s-maj=60.6km s-min=19.5km az=162.0.
IDC X 25 05 37 41.3–1.1 22.51S 175.89W 0 4.1,3.9
¶12071059

IDC Error ellipse: s-maj=57.7km s-min=26.4km az=157.0.
IDC X 26 10 46 07.0–1.4 22.29S 173.68W 0 4.3,4.1
¶12071154

IDC Error ellipse: s-maj=73.8km s-min=19.5km az=152.0.
IDC X 26 21 07 25.5–28 21.13S 171.33W 0 4.1,4.0b
¶12071190

IDC Error ellipse: s-maj=531.3km s-min=175.1km az=75.0.
IDC X 31 04 35 48.8–28 22.72S 173.98W 0 4.2,4.0b
¶12071709

IDC Error ellipse: s-maj=518.3km s-min=151.8km az=78.0.
IDC XI 05 09 36 51.0–19 22.28S 174.36W 0 4.2,4.1b
¶12072373

IDC Error ellipse: s-maj=357.5km s-min=142.1km az=82.0.
IDC XI 05 15 40 43.9–17 23.12S 174.10W 0 4.2,4.0b
¶12072430

IDC Error ellipse: s-maj=322.5km s-min=150.0km az=82.0.
ISC XI 06 23 03 17.2–2.4 22.41S–.10 175.4W–.10 96–20 3.8b 27 8-153
IDC XI 06 23 03 05.2–1.1 22.22S 175.31W 0 4.2,4.0 **¶12072593**
ISCJB XI 06 23 03 16.0–2.6 22.40S–.10 175.4W–.10 100–22 3.8b,4.0
NEIC XI 06 23 03 16.9–1.8 22.42S 175.34W 95–15 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=21.9km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=15.9km az=4.1.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.6km az=98.0.
IDC XI 08 13 48 54.6–29 20.72S 172.73W 0 4.2,4.1b
¶12072824

IDC Error ellipse: s-maj=532.7km s-min=166.6km az=74.0.
IDC XI 12 10 23 05.8–49 22.40S 173.85W 0 4.3,4.1b
¶12073287

IDC Error ellipse: s-maj=932.0km s-min=169.3km az=87.0.
IDC XI 15 19 28 58.8–26 22.74S 171.82W 0 4.3,4.1
¶12073656

IDC Error ellipse: s-maj=488.8km s-min=159.1km az=77.0.
IDC XI 19 07 47 56.3–4.2 18.77S 170.83W 0 3.9,3.7b
¶12074121

IDC Error ellipse: s-maj=207.3km s-min=49.6km az=143.0.
IDC XI 20 09 48 39.0–20 22.75S 175.15W 0 4.1,4.0b
¶12074248

IDC Error ellipse: s-maj=374.3km s-min=144.6km az=83.0.
IDC XI 20 16 00 30.4–19 23.06S 174.41W 0 3.9,3.8b
¶12074278

IDC Error ellipse: s-maj=366.0km s-min=147.7km az=83.0.
ISC XI 25 15 04 42.6–3.0 22.82S–.06 175.22W–.04 20–18 5.4s,5.3b 510 8-179
ISCJB XI 25 15 04 38.8–2.7 22.82S–.06 175.25W–.04 6–16 5.4s,5.3b **¶11474949**
IDC XI 25 15 04 39.3–.49 22.79S 175.24W 0 5.2s,5.2
DJA XI 25 15 04 40 22.75S 175.37W 10 5.4b,5.2
BJI XI 25 15 04 43.5 22.46S 174.82W 37 5.8b,5.5s
NEIC XI 25 15 04 44.2–.19 22.90S 175.20W 35 5.6W,5.4s
GCMT XI 25 15 04 45.1–.10 22.94S 174.54W 18–0 5.6W,5.4s
MOS XI 25 15 04 48.8–1.3 21.46S 175.27W 33 5.4b,5.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.7km az=158.1.
IDC Error ellipse: s-maj=18.4km s-min=14.9km az=150.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.6km az=152.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=228, per= 50. Moment Tensor Solution. s81,c158; s32,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}2.16±.04 $M_{\theta\theta}$-0.31±.02; $M_{\phi\phi}$-1.85±.03; $M_{r\theta}$0.79±.07; $M_{\theta\phi}$-0.99±.02; $M_{\phi r}$1.93±.07; Best double couple: NP1:ϕ_s209.00000°,δ24.00000°,λ95.00000°. NP2:ϕ_s23.00000°,δ66.00000°,λ88.00000°. Principal axes: T 2.9800,Plg68.0000°,Azm289.0000°; N 0.1700,Plg2.0000°,Azm24.0000° ; P -3.1500,Plg21.0000°,Azm115.0000° M_o3.10000×10^{17}
MOS Error ellipse: s-maj=12.9km s-min=9.1km az=71.4.
ISC XI 26 02 10 31.9–3.7 22.90S–.08 175.47W–.07 30–25 4.8b,4.2s 81 8-170
ISCJB XI 26 02 10 27.4–3.6 22.90S–.08 175.49W–.07 11–21 4.8b,4.2s **¶11478056**
IDC XI 26 02 10 31.2–3.6 22.84S 175.27W 34–27 4.4,4.3
NEIC XI 26 02 10 39.4–1.8 22.93S 175.59W 98–15 4.7b,4.3
BJI XI 26 02 10 40.1 22.76S 175.35W 115 5.1b,4.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=10.0km az=154.6.
IDC Error ellipse: s-maj=22.5km s-min=14.2km az=154.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.7km az=135.0.
IDC XI 26 18 35 07.2–18 22.87S 174.51W 0 4.2,4.1b
¶12074930

IDC Error ellipse: s-maj=336.7km s-min=142.1km az=83.0.
ISC XI 28 01 33 59.0–4.6 22.74S–.05 175.20W–.04 17–28 5.2b,4.9s 590 7-170
IDC XI 28 01 33 56.0–.47 22.58S 175.27W 0 5.1,5.1 **¶11480306**
ISCJB XI 28 01 33 59.7–.14 22.78S–.04 175.25W–.04 33 5.2b,4.9s
SZGRF XI 28 01 34 00.1 21.38S 176.73W 33 5.2b,4.9s
NEIC XI 28 01 34 01.6–.18 22.76S 175.24W 35 5.2b,4.9s
GCMT XI 28 01 34 01.1–.20 22.83S 174.51W 16–0 5.3W,4.9s
BJI XI 28 01 34 04.8 22.63S 174.92W 77 5.6b,5.4b
DJA XI 28 01 34 05 22.92S 175.15W 78 5.1b,5.4b
MOS XI 28 01 34 10.8–1.9 22.45S 175.50W 112 5.1b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=14.1km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.6km az=147.2.
SZGRF Fiji Islands region.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=143.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c98; s91,c163; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s192.00000°,δ24.00000°,λ83.00000°. NP2:ϕ_s20.00000° ,δ67.00000°,λ93.00000°. Principal axes: T 1.0600,Plg68.0000°,Azm295.0000° ; N 0.0200,Plg3.0000°,Azm198.0000°; P -1.0800,Plg21.0000°,Azm107.0000° M_o1.10000×10^{17}
MOS Error ellipse: s-maj=10.4km s-min=9.1km az=48.4.
ISC XI 28 03 11 46.9–.20 22.93S–.07 175.22W–.05 35 4.8b,4.5s 222 8-170
IDC XI 28 03 11 41.3–.59 22.76S 175.20W 0 4.8,4.8 **¶11480307**
ISCJB XI 28 03 11 45.2–.20 22.92S–.07 175.25W–.05 33 4.8b,4.5s
NEIC XI 28 03 11 48.4–1.7 22.99S 175.13W 55–14 4.8b,4.5s
BJI XI 28 03 11 50.4 22.91S 174.50W 93 5.2b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=17.8km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.0km az=154.5.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.5km az=137.0.
ISC XI 28 03 32 46.8–.46 22.8S–.10 175.37W–.10 35 4.4b 45 8-170
IDC XI 28 03 32 40.9–.79 22.73S 175.27W 0 4.5,4.4 **¶11653346**
ISCJB XI 28 03 32 45.0–.46 22.8S–.10 175.4W–.10 33 4.4b,4.4
NEIC XI 28 03 32 54.5–2.5 22.78S 175.41W 104–20 4.4b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=18.8km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=12.0km az=152.6.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=12.9km az=138.0.
IDC XI 28 05 11 27.8–3.2 22.51S 175.63W 0 4.4,4.1
¶12075113

IDC Error ellipse: s-maj=173.6km s-min=29.3km az=151.0.
ISC XI 28 16 07 11.2–.70 22.8S–.20 175.3W–.10 35 4.3b 40 8-150
IDC XI 28 16 07 05.5–.97 22.80S 175.18W 0 4.5,4.3b **¶12075156**
ISCJB XI 28 16 07 09.3–.68 22.8S–.20 175.3W–.10 33 4.3b,4.3b
NEIC XI 28 16 07 11.1–.57 22.77S 175.29W 35 4.4b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=18.9km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=13.6km az=157.6.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=12.2km az=157.0.
IDC XI 28 20 45 13.3–44 17.36S 171.58W 0 4.3,4.1b
¶12075180

IDC Error ellipse: s-maj=855.4km s-min=186.3km az=81.0.
IDC XI 29 05 19 33.1–27 20.43S 172.40W 0 4.4,4.3b
¶12075225

IDC Error ellipse: s-maj=499.4km s-min=162.3km az=74.0.
ISC XI 29 13 45 38.9–1.3 23.1S–.20 175.1W–.20 35 4.2b 16 8-151
IDC XI 29 13 45 35.0–2.4 22.76S 175.10W 0 4.4,4.2b **¶12075257**
NEIC XI 29 13 45 35.0–1.0 23.18S 175.05W 10 4.6b,4.2b
ISCJB XI 29 13 45 36.9–1.4 23.0S–.20 175.1W–.20 33 4.2b,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 01 13 51 03.0–2.8 22.08S 175.59W 0 4.0,3.8
¶12075417

IDC Error ellipse: s-maj=176.5km s-min=27.5km az=152.0.
ISC XII 01 20 21 34.5–.14 22.92S–.05 175.13W–.03 40 5.4b,5.1s 604 7-179
DJA XII 01 20 21 29 22.45S 174.82W 10 5.7W,5.1s **¶11484429**
ISCJB XII 01 20 21 32.7–.14 22.92S–.05 175.16W–.03 38 5.4b,5.1s
GCMT XII 01 20 21 32.4–.20 23.07S 174.48W 13–0 5.3W,5.1s
BJI XII 01 20 21 33.1 22.53S 174.85W 35 5.7b,5.6b
MOS XII 01 20 21 33.3–1.2 22.66S 175.30W 33 5.7b,5.0s
BGS XII 01 20 21 34.8–3.7 22.94S 175.19W 33–0 5.5b,5.0s
NEIC XII 01 20 21 34.4–.17 22.94S 175.19W 39 5.5b,5.1s
IDC XII 01 20 21 35.4–2.4 22.82S 175.21W 47–21 4.9,4.9
SZGRF XII 01 20 21 36.4 20.95S 175.46W 33 4.9,4.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.0km az=158.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c110; s99,c188; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s205.00000°,δ26.00000°,λ84.00000°. NP2:ϕ_s32.00000° ,δ64.00000°,λ93.00000°. Principal axes: T 1.1400,Plg71.0000°,Azm309.0000° ; N -0.0400,Plg3.0000°,Azm211.0000°; P -1.1000,Plg19.0000°,Azm120.0000° M_o1.10000×10^{17}
MOS Error ellipse: s-maj=10.8km s-min=8.7km az=51.4.
BGS Error ellipse: s-maj=625.7km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.6km az=146.0.
IDC Error ellipse: s-maj=15.1km s-min=11.2km az=155.0.
SZGRF Tonga Islands.
IDC XII 04 16 40 44.6–6.9 22.48S 172.58W 0 3.6,3.5
¶12075757

IDC Error ellipse: s-maj=429.2km s-min=53.2km az=153.0.
IDC XII 04 16 51 18.5–6.7 19.05S 172.49W 0 4.1,3.8b
¶12075760

IDC Error ellipse: s-maj=281.7km s-min=34.5km az=143.0.
IDC XII 06 22 53 56.0–4.9 22.24S 175.39W 0 3.9,3.7
¶12076074

IDC Error ellipse: s-maj=319.0km s-min=34.8km az=155.0.
IDC XII 07 17 26 15.5–26 21.23S 171.20W 0 4.5,4.4b
¶12076233

IDC Error ellipse: s-maj=491.6km s-min=157.2km az=75.0.
ISC XII 16 15 44 03.2–.79 22.5S–.20 173.62W–.10 35 4.2b 15 9-95
ISCJB XII 16 15 44 01.0–.80 22.5S–.20 173.61W–.10 33 4.2b **¶11593847**
IDC XII 16 15 44 04.1–1.6 22.59S 173.62W 41–9 4.5L,4.1
NEIC XII 16 15 44 04.0–.77 22.36S 173.59W 43 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.7km s-min=13.2km az=179.4.
IDC Error ellipse: s-maj=86.5km s-min=26.5km az=163.0.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=13.3km az=178.0.
ISC XII 18 11 30 25.5–.69 23.5S–.10 174.6W–.10 35 4.4b 49 9-152
NEIC XII 18 11 30 20.6–.50 23.58S 174.35W 10 4.2b **¶11593857**
IDC XII 18 11 30 21.5–.81 23.07S 174.76W 0 4.6,4.5
ISCJB XII 18 11 30 23.7–.69 23.5S–.10 174.6W–.10 33 4.4b,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 18 11 31 29.6–1.8 22.98S 174.75W 0 4.5,4.3
¶12078052

IDC Error ellipse: s-maj=110.2km s-min=18.8km az=155.0.
NEIC XII 21 18 47 45.0–1.2 22.11S 173.39W 10
IDC XII 21 18 47 43.9–27 22.24S 173.38W 0 4.3,4.2b **¶12078485**
NEIC Event type se. Error ellipse: s-maj=32.8km s-min=21.5km az=170.0.
IDC Error ellipse: s-maj=504.9km s-min=157.1km az=77.0.
IDC XII 22 11 34 18.1–25 22.45S 171.32W 0 4.3,4.2b
¶12078556

IDC Error ellipse: s-maj=479.5km s-min=163.5km az=77.0.
ISC XII 22 18 06 32.1–.21 17.39S–.06 172.63W–.05 35 4.8b,4.7s 312 4-173
IDC XII 22 18 06 26.5–.54 17.40S 172.71W 0 4.8,4.8 **¶11517535**
BJI XII 22 18 06 28.7 17.25S 171.72W 35 5.5b,5.2s
ISCJB XII 22 18 06 30.5–.21 17.37S–.06 172.57W–.05 33 4.8b,4.7s
MOS XII 22 18 06 31.7–1.2 17.28S 172.69W 33 5.4b,4.7s
NEIC XII 22 18 06 32.0–.28 17.31S 172.64W 35 5.0b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=16.5km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.5km az=152.2.
MOS Error ellipse: s-maj=12.6km s-min=9.8km az=103.5.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.6km az=128.0.
ISC XII 22 18 07 04.9–.38 17.36S–.09 172.73W–.10 35 4.6b,4.4s 53 4-173
IDC XII 22 18 06 58.9–.70 17.58S 172.73W 0 4.8,4.7 **¶12078582**
ISCJB XII 22 18 07 02.9–.38 17.33S–.09 172.83W–.10 33 4.6b,4.4s
NEIC XII 22 18 07 04.5–.35 17.33S 172.79W 35 4.8b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=20.0km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=9.4km az=43.8.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=9.3km az=133.0.
IDC XII 22 20 57 21.5–16 22.08S 170.23W 0 4.0,3.7b
¶12078598
IDC Error ellipse: s-maj=422.4km s-min=60.9km az=121.0.
ISC XII 23 00 44 29.4–3.6 23.20S–.06 174.81W–.07 23–24 4.9b,4.4s 94 9-169
BJI XII 23 00 44 25.5 23.08S 174.65W 9 5.6b,5.3s **¶11518348**
ISCJB XII 23 00 44 27.4–3.9 23.21S–.06 174.86W–.08 20–26 4.9b,4.4s
IDC XII 23 00 44 27.6–.50 22.84S 175.10W 0 4.7,4.7
NEIC XII 23 00 44 29.9–2.5 23.15S 174.79W 30–17 4.9b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.6km az=20.3.
IDC Error ellipse: s-maj=19.5km s-min=15.8km az=131.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.4km az=153.0.
IDC XII 23 19 35 06.5–17 22.34S 175.54W 0 4.6,4.5b
¶12078711
IDC Error ellipse: s-maj=317.5km s-min=135.5km az=82.0.
ISC XII 24 09 11 34.1–1.7 17.27S–.03 171.87W–.02 7–10 5.7b,5.6s 900 3-174
BJI XII 24 09 11 31.9 16.94S 171.55W 10 6.3b,5.7s **¶11518747**
ISCJB XII 24 09 11 31.8–1.5 17.26S–.03 171.88W–.02 2–9 5.7b,5.6s
IDC XII 24 09 11 32.7–.34 17.36S 172.09W 0 5.4s,5.4
BGS XII 24 09 11 33.3–5.0 17.29S 171.91W 10–0 5.9b,5.4
MOS XII 24 09 11 34.9–3.2 17.11S 172.20W 33 5.9b,5.5s
NEIC XII 24 09 11 34.3–.09 17.29S 171.91W 9 6.0W,5.9b
DJA XII 24 09 11 35 17.72S 171.71W 10 6.3W,5.9b
GCMT XII 24 09 11 38.9–.10 17.31S 171.59W 12 6.0W,5.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.2km az=152.5.
IDC Error ellipse: s-maj=11.5km s-min=8.5km az=124.0.
BGS Error ellipse: s-maj=628.4km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.5km s-min=5.9km az=68.2.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.7km az=148.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. $M_0$3.40000×10^{18}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=117, comp=275, per= 50. Moment Tensor Solution. s103,c215; s90,c132; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.02±.01 $M_{\theta\theta}$-0.19±.01; $M_{\phi\phi}$1.21±.01; $M_{r\theta}$0.11±.02; $M_{\theta\phi}$0.13±.01; $M_{\phi r}$0.07±.02; Best double couple: NP1:ϕ_s358.00000°,δ43.00000°,λ-101.00000°. NP2:ϕ_s192.00000°,δ47.00000°,λ-80.00000°. Principal axes: T 1.2300,Plg2.0000°,Azm275.0000°; N -0.1900,Plg7.0000°,Azm6.0000° ; P -1.0400,Plg82.0000°,Azm170.0000° $M_0$1.10000×10^{18}
IDC XII 24 17 58 27.8–3.0 17.12S 172.11W 0 4.3,3.9
¶11613271
IDC Error ellipse: s-maj=224.5km s-min=36.1km az=157.0.
ISC XII 24 19 06 19.3–2.3 23.1S–.10 174.9W–.10 85–19 4.2b 39 9-153
IDC XII 24 19 06 07.5–1.3 23.21S 174.65W 0 4.6,4.4 **¶11613272**
ISCJB XII 24 19 06 18.3–2.6 23.11S–.10 174.9W–.10 91–22 4.2b,4.4
NEIC XII 24 19 06 19.5–2.0 23.07S 174.86W 88–17 4.8b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=56.0km s-min=18.3km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=15.8km az=20.6.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=12.4km az=125.0.
ISC XII 24 20 32 13.3–2.7 23.1S–.10 175.0W–.20 85–20 4.6b 42 8-153
IDC XII 24 20 32 01.7–1.1 23.07S 174.82W 0 4.8,4.7 **¶11613274**
ISCJB XII 24 20 32 10.7–3.6 23.1S–.10 175.0W–.20 77–27 4.6b,4.7
NEIC XII 24 20 32 11.5–3.7 23.12S 174.87W 76–27 4.9b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=23.4km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=30.6km s-min=18.8km az=14.0.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=18.8km az=123.0.
IDC XII 31 12 20 16.8–17 23.13S 174.66W 0 4.3,4.2b
¶12079653
IDC Error ellipse: s-maj=313.7km s-min=134.1km az=82.0.
ISC XII 31 18 15 59.8–2.3 22.8S–.10 175.1W–.10 79–18 4.5b 40 8-153
IDC XII 31 18 15 49.6–1.0 22.53S 175.10W 0 4.6,4.5b **¶11625139**
ISCJB XII 31 18 15 58.7–2.6 22.7S–.10 175.2W–.10 80–21 4.4b,4.5b
NEIC XII 31 18 15 59.7–2.4 22.68S 175.11W 78–19 4.8b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=18.1km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=16.2km az=23.4.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=14.7km az=121.0.

(175) South of Tonga Islands.

ISC VII 28 06 49 16.9–4.6 24.8S–.10 175.5W–.10 3–31 4.0b 21 9-151
IDC VII 28 06 49 18.4–.83 24.62S 176.08W 0 4.2,4.1 **¶11812766**
NEIC VII 28 06 49 22.0–3.8 24.72S 175.85W 27–26 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=23.0km az=137.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=13.0km az=115.0.
ISC IX 19 17 29 51.8–2.5 24.56S–.07 175.72W–.07 35–17 4.8b,4.3s 66 9-154
ISCJB IX 19 17 29 47.5–2.4 24.55S–.07 175.74W–.07 15–14 4.8b,4.3s **¶11280407**
IDC IX 19 17 29 47.6–.62 24.14S 176.01W 0 4.7,4.6
BJI IX 19 17 29 50.7 24.50S 175.80W 44 5.2b,5.1b
GCMT IX 19 17 29 51.2–.40 24.32S 175.27W 20–1 4.9W,5.1b
NEIC IX 19 17 29 52.7–1.7 24.52S 175.78W 44–14 4.8b,5.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=9.1km az=42.7.
IDC Error ellipse: s-maj=23.6km s-min=13.9km az=152.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s31,c37; s52,c72; Moment tensor: Scale 10^{16}Nm; M_{rr}2.29±.16 $M_{\theta\theta}$-0.46±.10; $M_{\phi\phi}$-1.83±.10; $M_{r\theta}$0.27±.23; $M_{\theta\phi}$-0.28±.07; $M_{\phi r}$1.61±.18; Best double couple: NP1:ϕ_s192.00000°,δ26.00000°,λ91.00000°. NP2:ϕ_s10.00000°,δ64.00000°,λ89.00000°. Principal axes: T 2.8500,Plg71.0000° ,Azm279.0000°; N -0.4100,Plg1.0000°,Azm11.0000°; P -2.4500,Plg19.0000°,Azm101.0000° $M_0$2.70000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.7km az=129.0.
ISC IX 22 09 28 52.1–.60 24.3S–.10 175.8W–.10 35 4.2b,3.7s 20 9-169
IDC IX 22 09 28 47.2–.85 24.01S 175.88W 0 4.4,4.2 **¶11339104**
ISCJB IX 22 09 28 50.4–.60 24.2S–.10 175.9W–.10 33 4.2b,3.7s
NEIC IX 22 09 28 58.8–3.5 23.10S 175.09W 162–42 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=33.4km s-min=22.1km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=16.7km az=176.9.
NEIC Event type se. Error ellipse: s-maj=46.7km s-min=14.3km az=188.0.
ISC IX 22 13 10 44.9–.32 24.68S–.05 175.66W–.08 35 4.6b,4.3s 65 9-154
IDC IX 22 13 10 40.0–.83 24.12S 175.82W 0 4.5,4.4 **¶11284066**
ISCJB IX 22 13 10 43.0–.32 24.73S–.05 175.67W–.09 33 4.6b,4.3s
NEIC IX 22 13 10 45.5–.38 24.22S 175.88W 35 4.7b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=18.7km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=6.1km az=26.5.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.9km az=151.0.
ISC IX 22 19 25 32.1–.36 24.01S–.07 175.80W–.08 35 4.6b,4.0s 48 8-169
IDC IX 22 19 25 26.8–.50 23.93S 175.78W 0 4.6,4.5 **¶11339106**
NEIC IX 22 19 25 29.7–5.0 23.97S 175.77W 19–30 4.9b,4.5
ISCJB IX 22 19 25 30.2–.35 23.99S–.07 175.86W–.08 33 4.6b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 27 13 09 19.0–27 24.93S 174.68W 0 4.2,4.0b
¶12075034
IDC Error ellipse: s-maj=500.1km s-min=143.1km az=81.0.
IDC XII 03 03 00 31.1–18 25.02S 174.76W 0 4.3,4.2b
¶15797228
IDC Error ellipse: s-maj=332.2km s-min=127.2km az=83.0.
IDC XII 13 21 12 09.9–26 24.97S 173.43W 0 4.3,4.1b
¶12077337
IDC Error ellipse: s-maj=476.9km s-min=139.8km az=81.0.
IDC XII 17 11 03 57.5–2.6 24.33S 174.82W 0 4.4,4.1
¶12077910
IDC Error ellipse: s-maj=147.7km s-min=24.6km az=159.0.
IDC XII 19 08 25 33.5–11 24.12S 172.30W 0 4.4b,4.4
¶12078170
IDC Error ellipse: s-maj=221.4km s-min=114.5km az=58.0.

(177) Kermadec Islands region.

ISC VII 02 01 02 31.8–.69 31.59S–.06 179.5E–.20 420–12 4.0b 128 3-151
NEIC VII 02 01 02 26.5–.42 31.23S 179.88E 398–5 4.1b **¶11799226**
IDC VII 02 01 02 27.6–1.4 30.99S 179.80E 400–14 4.0,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.0km az=105.0.
IDC Error ellipse: s-maj=20.8km s-min=16.6km az=139.0.
ISC VII 02 01 36 15.6–.92 31.86S–.09 179.7E–.20 331–12 3.6b 55 3-151
ISCJB VII 02 01 36 13.9–.78 31.82S–.08 179.8E–.20 341–11 3.6b **¶11799227**
IDC VII 02 01 36 14.5–.84 31.75S 179.86E 331–10 3.8,3.7
NEIC VII 02 01 36 14.6–.85 31.76S 179.89E 338–11 3.6b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.2km s-min=9.9km az=16.4.
IDC Error ellipse: s-maj=20.1km s-min=13.5km az=111.0.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=15.6km az=108.0.
ISC VII 04 13 25 40.7–1.6 27.1S–.20 178.5W–.30 243–14 3.8b 12 2-166
ISCJB VII 04 13 25 39.7–1.7 27.1S–.20 178.5W–.30 249–14 3.8b **¶11810612**
IDC VII 04 13 25 40.9–1.4 27.13S 178.45W 243–11 3.8,3.7
NEIC VII 04 13 25 41.0–1.2 27.08S 178.40W 248–11 3.9b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=41.2km s-min=26.4km az=144.5.
IDC Error ellipse: s-maj=27.2km s-min=17.6km az=43.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=16.3km az=208.0.
ISC VII 04 14 17 46.1–4.7 31.70S–.08 178.7W–.20 24–39 4.2b 12 3-146
IDC VII 04 14 17 42.2–1.3 31.63S 178.64W 0 4.3,4.2 **¶11810616**
ISCJB VII 04 14 17 44.1–4.3 31.77S–.08 178.7W–.20 25–36 4.2b,4.2
NEIC VII 04 14 17 47.0–.88 31.65S 178.64W 35 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=21.8km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=32.5km s-min=8.6km az=19.9.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=11.7km az=111.0.
ISC VII 07 08 51 26.1–2.1 28.7S–.10 178.3E–.30 35 3.6b 18 9-41
IDC VII 07 08 51 11.8–18 27.96S 179.49E 0 4.6L,4.1 **¶12698053**
IDC Error ellipse: s-maj=345.6km s-min=48.8km az=67.0.
ISC VII 07 09 10 37.4–1.7 31.7S–.10 179.7E–.20 259–19 3.8b 27 6-146
IDC VII 07 09 10 21.5–7.4 30.75S 179.22W 167–56 4.0,3.9b **¶12698055**
IDC Error ellipse: s-maj=63.3km s-min=22.8km az=43.0.
ISC VII 09 22 03 39.5–.88 29.4S–.10 179.0W–.20 321–11 3.5b 18 1-150
ISCJB VII 09 22 03 38.5–.90 29.4S–.10 179.0W–.20 328–11 3.5b **¶11811121**
IDC VII 09 22 03 39.7–.87 29.42S 179.01W 323–10 3.6,3.5
NEIC VII 09 22 03 39.5–.63 29.42S 178.94W 327–7 3.6b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=16.7km az=14.9.
IDC Error ellipse: s-maj=25.6km s-min=21.8km az=50.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=10.5km az=112.0.
IDC VII 11 20 11 13.1–42 29.94S 179.94W 0 4.2,4.0b
¶12698139
IDC Error ellipse: s-maj=751.3km s-min=152.6km az=96.0.
IDC VII 12 02 17 31.8–7.4 30.61S 179.11W 0 3.9,3.7
¶12698149
IDC Error ellipse: s-maj=306.7km s-min=56.7km az=157.0.
ISC VII 12 15 36 09.7–1.0 31.36S–.09 179.2W–.40 294–18 3.9b 33 2-151
NEIC VII 12 15 36 10.5–.72 31.38S 179.41W 287–8 3.8b **¶13388984**
IDC VII 12 15 36 10.4–.87 31.25S 179.47W 277–8 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=10.3km az=115.0.
IDC Error ellipse: s-maj=28.8km s-min=12.3km az=127.0.
ISC VII 12 18 30 20.4–.59 31.32S–.05 178.54W–.10 74–7 4.5b 62 2-153
ISCJB VII 12 18 30 19.2–.76 31.38S–.05 178.59W–.10 79–8 4.5b **¶11811385**
NEIC VII 12 18 30 20.6–1.2 31.20S 178.50W 87–11 4.7b
IDC VII 12 18 30 25.0–1.7 30.96S 178.56W 121–15 4.6,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=5.8km az=21.9.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=11.4km az=120.0.
IDC Error ellipse: s-maj=21.9km s-min=15.6km az=163.0.
ISC VII 12 23 37 31.2–.70 31.52S–.05 178.7W–.10 61–8 4.6b 52 2-153
ISCJB VII 12 23 37 30.1–.88 31.59S–.05 178.7W–.10 73–10 4.5b **¶13389023**
NEIC VII 12 23 37 32.6–1.2 31.39S 178.54W 91–11 4.6b
IDC VII 12 23 37 36.1–1.5 31.12S 178.65W 117–13 4.5,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=6.1km az=18.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=11.9km az=113.0.
IDC Error ellipse: s-maj=22.8km s-min=15.1km az=128.0.
ISC VII 13 07 05 58.7–1.1 30.9S–.10 179.7W–.20 487–16 3.8b 37 7-145
ISCJB VII 13 07 05 58.2–1.3 31.0S–.10 179.9W–.30 477–23 3.8b **¶11811449**
IDC VII 13 07 05 58.8–6.7 30.89S 179.82E 441–72 3.5,3.4
NEIC VII 13 07 05 59.4–1.1 30.88S 179.94E 464–14 4.3b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.7km s-min=17.6km az=7.1.
IDC Error ellipse: s-maj=74.0km s-min=40.9km az=25.0.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=14.5km az=95.0.
ISC VII 16 12 48 40.4–2.1 28.54S–.04 175.71W–.05 9–13 4.9b,4.5s 433 2-167
ISCJB VII 16 12 48 38.3–2.2 28.57S–.04 175.74W–.05 6–13 4.9b,4.5s **¶11126451**
IDC VII 16 12 48 39.6–.42 28.19S 175.73W 0 5.3L,4.8
BJI VII 16 12 48 40.9 27.81S 175.33W 13 5.5b,5.2s
NEIC VII 16 12 48 41.2–.14 28.22S 175.74W 10 4.9b,5.2s
GCMT VII 16 12 48 45.4–.20 28.08S 175.43W 17–0 5.1W,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.5km az=39.3.
IDC Error ellipse: s-maj=16.5km s-min=13.8km az=151.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.1km az=140.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s39,c53; s75,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.05±.24 $M_{\theta\theta}$-1.21±.18; $M_{\phi\phi}$5.27±.15; $M_{r\theta}$0.61±.52; $M_{\theta\phi}$1.16±.11; $M_{\phi r}$-0.34±.33; Best double couple: NP1:ϕ_s203.00000°,δ45.00000°,λ-71.00000°. NP2:ϕ_s357.00000°,δ48.00000°,λ-108.00000°. Principal axes: T 5.4800,Plg1.0000° ,Azm100.0000°; N -1.2600,Plg13.0000°,Azm9.0000°; P -4.2100,Plg77.0000°,Azm196.0000° $M_0$4.80000×10^{16}
ISC VII 16 17 09 17.0–.47 31.15S–.03 178.50W–.04 66–4 5.1b 541 2-171
SZGRF VII 16 17 09 07.5 31.83S 178.00W 37 4.8b **¶11126455**
ISCJB VII 16 17 09 15.8–.56 31.15S–.03 178.53W–.04 68–5 5.1b
NEIC VII 16 17 09 19.1–.67 31.13S 178.51W 89–6 5.5W,5.5W
MOS VII 16 17 09 20.2–1.1 30.84S 178.56W 102 5.4b,5.5W
IDC VII 16 17 09 21.8–1.0 30.77S 178.50W 108–7 4.8,4.8
GCMT VII 16 17 09 23.1–.10 30.93S 178.24W 108–0 5.5W,4.8
BJI VII 16 17 09 25.3 30.55S 178.57W 141 5.2b,4.9b
DJA VII 16 17 09 43 31.03S 178.65W 321 5.1b,4.9b
ISC Event type se.
SZGRF Kermadec Islands region.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.1km az=41.4.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.4km az=143.0. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.57 $M_{\theta\theta}$1.06 $M_{\phi\phi}$-0.48 $M_{r\theta}$-0.30 $M_{\theta\phi}$1.15 $M_{\phi r}$2.11 Best double couple: NP1:ϕ_s195.00000°,δ81.00000°,λ-127.00000°. NP2:ϕ_s93.00000°

,δ38.00000°,λ-14.00000°. Principal axes: T 2.0600,Plg26.0000°,Azm313.0000° ; N 0.8500,Plg36.0000°,Azm201.0000°; P -2.9100,Plg41.0000°,Azm70.0000° $M_0$2.60000×10^{17}

MOS Error ellipse: s-maj=12.1km s-min=9.8km az=135.1.

IDC Error ellipse: s-maj=12.5km s-min=10.5km az=157.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=204, per= 50. Moment Tensor Solution. s101,c178; s25,c25; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.25±.03 $M_{\theta\theta}$-0.91±.03; $M_{\phi\phi}$1.16±.04; $M_{r\theta}$-0.59±.02; $M_{\theta\phi}$0.65±.03; $M_{\phi r}$1.89±.02; Best double couple: NP1:ϕ_s62.00000°,δ30.00000°,λ-8.00000°. NP2:ϕ_s159.00000°,δ86.00000°,λ-120.00000°. Principal axes: T 2.4800,Plg34.0000°,Azm274.0000°; N -0.3300,Plg30.0000°,Azm161.0000° ; P -2.1500,Plg41.0000°,Azm41.0000° $M_0$2.30000×10^{17}

ISC VII 16 22 09 34.6–1.3 27.4S–.10 178.4W–.20 261–10 3.2b 17 2-150
ISCJB VII 16 22 09 33.7–1.2 27.4S–.10 178.3W–.20 269–10 3.2b **¶11811787**
IDC VII 16 22 09 35.5–4.6 27.52S 178.42W 261–60 3.3,3.1b
NEIC VII 16 22 09 35.3–1.1 27.39S 178.41W 266–10 3.5b,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.0km s-min=20.1km az=163.7.
IDC Error ellipse: s-maj=138.3km s-min=30.2km az=170.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=13.9km az=77.0.
ISC VII 17 23 18 18.9–3.0 27.1S–.20 177.4W–.30 103–19 4.1b 22 2-151
ISCJB VII 17 23 18 18.5–3.0 27.2S–.20 177.4W–.30 116–18 4.1b **¶11811880**
NEIC VII 17 23 18 18.9–2.3 27.12S 177.45W 102–15 4.2b
IDC VII 17 23 18 19.2–5.5 27.14S 177.37W 105–37 3.9,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=42.2km s-min=19.9km az=148.5.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=13.5km az=58.0.
IDC Error ellipse: s-maj=54.2km s-min=26.5km az=41.0.
ISC VII 19 01 05 58.7–.93 30.59S–.08 180.0E–.30 319–16 3.4b 20 2-151
NEIC VII 19 01 05 58.0–.71 30.19S 179.50W 359–7 3.4b **¶11811998**
IDC VII 19 01 05 58.2–1.2 30.13S 179.54W 356–12 3.4,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=14.2km az=129.0.
IDC Error ellipse: s-maj=20.9km s-min=19.0km az=172.0.
ISC VII 23 12 41 17.4–.79 31.9S–.10 179.2W–.30 267–15 3.9b 27 3-151
ISCJB VII 23 12 41 15.8–.65 31.75S–.09 179.3W–.30 258–12 3.9b **¶13389893**
NEIC VII 23 12 41 17.4–.68 31.79S 179.20W 264–9 3.9b
IDC VII 23 12 41 19.8–1.1 31.19S 179.60W 260–10 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.3km s-min=6.3km az=20.5.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=8.1km az=115.0.
IDC Error ellipse: s-maj=20.7km s-min=15.6km az=135.0.
IDC VII 23 21 30 11.6–6.5 29.24S 179.64W 0 3.9,3.8b
¶12698410
IDC Error ellipse: s-maj=355.6km s-min=85.7km az=158.0.
ISC VIII 02 05 31 53.2–1.7 31.72S–.06 177.9W–.30 35 4.8b 37 7-153
IDC VIII 02 05 31 48.3–.97 31.11S 177.94W 0 4.7,4.6b **¶11907691**
NEIC VIII 02 05 31 53.5–4.5 31.80S 177.70W 49–36 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=28.1km az=8.0.
NEIC Event type se. Error ellipse: s-maj=44.5km s-min=23.0km az=214.0.
IDC VIII 02 10 47 07.7–10 30.63S 179.12W 0 3.8,3.7b
¶12580899
IDC Error ellipse: s-maj=528.8km s-min=49.3km az=157.0.
ISC VIII 02 17 39 49.4–.61 28.30S–.10 176.5W–.10 35 4.4b,4.0s 33 11-165
IDC VIII 02 17 39 43.5–.71 28.27S 176.40W 0 4.3,4.3L **¶11169742**
ISCJB VIII 02 17 39 47.3–.62 28.33S–.10 176.6W–.10 33 4.4b,4.0s
NEIC VIII 02 17 39 51.6–.40 28.32S 176.54W 60 4.7b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=20.7km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=13.3km az=23.1.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.6km az=131.0.
ISC VIII 02 20 15 13.5–.85 28.29S–.10 176.6W–.20 35 4.3b,3.6s 18 11-156
NEIC VIII 02 20 15 07.3–9.6 28.18S 176.48W 1–57 4.7b,3.6s **¶11169743**
IDC VIII 02 20 15 07.6–.96 28.17S 176.43W 0 4.3L,4.3
ISCJB VIII 02 20 15 11.4–.85 28.33S–.10 176.6W–.20 33 4.3b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 05 23 05 25.8–2.5 27.42S–.05 176.26W–.04 20–17 5.1b,4.6s 448 11-170
IDC VIII 05 23 05 21.9–.44 27.53S 176.25W 0 4.9,4.9 **¶13390950**
BJI VIII 05 23 05 24.8 27.17S 175.65W 30 5.7b,5.3s
ISCJB VIII 05 23 05 25.7–.16 27.41S–.05 176.32W–.04 30 5.1b,4.6s
NEIC VIII 05 23 05 27.9–.88 27.34S 176.32W 36–7 5.2b,4.6s
MOS VIII 05 23 05 27.0–.96 27.20S 176.34W 33 5.4b,4.6s
GCMT VIII 05 23 05 27.2–.20 27.32S 175.85W 13–0 5.2W,4.6s
BGS VIII 05 23 05 32.4–2.7 27.34S 176.32W 33–0 5.2b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=14.0km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.3km az=154.4.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.0km az=143.0.
MOS Error ellipse: s-maj=12.0km s-min=10.0km az=68.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c74; s77,c132; Moment tensor: Scale 10^{16}Nm; M_{rr}6.56±.21 $M_{\theta\theta}$0.50±.16; $M_{\phi\phi}$-7.06±.16; $M_{r\theta}$0.78±.41; $M_{\theta\phi}$-0.98±.12; $M_{\phi r}$1.18±.35; Best double couple: NP1:ϕ_s181.00000°,δ40.00000°,λ81.00000°. NP2:ϕ_s13.00000°,δ51.00000°,λ97.00000°. Principal axes: T 6.7400,Plg82.0000° ,Azm325.0000°; N 0.5700,Plg6.0000°,Azm188.0000°; P -7.3000,Plg5.0000°,Azm98.0000° $M_0$7.00000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC VIII 06 22 52 04.9–4.7 31.26S 178.25W 0 3.8,3.6b
¶12580947
IDC Error ellipse: s-maj=260.8km s-min=68.3km az=158.0.
ISC VIII 07 10 24 46.2–.50 30.33S–.04 179.95W–.05 436–6 4.5b 375 7-171
ISCJB VIII 07 10 24 45.1–.52 30.34S–.04 179.98E–.05 437–6 4.5b **¶11165599**
NEIC VIII 07 10 24 46.5–.66 30.30S 179.99E 448–8 4.7b
BJI VIII 07 10 24 46.6 29.87S 179.83E 430 5.1b,4.9b
IDC VIII 07 10 24 46.2–1.1 30.02S 179.92E 442–10 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.7km az=146.1.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.7km az=145.0.
IDC Error ellipse: s-maj=12.6km s-min=9.4km az=155.0.
ISC VIII 08 02 25 09.2–.16 31.54S–.06 177.09W–.07 10 4.8b,4.2s 189 8-169
ISCJB VIII 08 02 25 07.6–.16 31.62S–.06 177.10W–.07 10 4.8b,4.2s **¶11159979**
BJI VIII 08 02 25 07.3 31.10S 176.93W 6 5.5b,5.3b
IDC VIII 08 02 25 07.7–.65 31.12S 177.06W 0 4.6,4.5
NEIC VIII 08 02 25 09.3–.25 31.29S 177.12W 10 4.9b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=4.1km az=44.5.
IDC Error ellipse: s-maj=24.8km s-min=20.3km az=143.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.5km az=137.0.
ISC VIII 08 02 49 34.3–3.5 31.73S–.07 176.8W–.10 12–21 4.4b,3.8s 27 8-157
IDC VIII 08 02 49 33.5–1.4 31.18S 176.94W 0 4.4,4.2 **¶11180489**
NEIC VIII 08 02 49 34.7–.45 31.26S 176.95W 10 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=72.6km s-min=24.1km az=161.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=11.5km az=157.0.
ISC VIII 08 03 27 30.3–4.1 28.0S–.20 178.1W–.20 112–31 4.3b 12 10-151
IDC VIII 08 03 27 28.9–8.6 28.07S 177.92W 104–66 3.9b,3.9 **¶11907943**
NEIC VIII 08 03 27 29.8–3.7 28.03S 178.02W 113–29 4.4b,3.9
ISCJB VIII 08 03 27 30.9–4.3 28.1S–.20 178.1W–.20 131–33 4.2b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 12 03 41 14.7–7.3 27.89S 178.64W 0 3.9b,3.9
¶12581032
IDC Error ellipse: s-maj=335.0km s-min=102.6km az=154.0.
IDC VIII 14 21 01 03.8–42 31.13S 175.90W 0 4.0,3.8b
¶12581084
IDC Error ellipse: s-maj=788.7km s-min=192.2km az=99.0.
ISC VIII 15 12 28 45.4–1.9 28.6S–.10 178.4W–.30 176–25 3.9b 11 10-165
ISCJB VIII 15 12 28 44.9–1.9 28.6S–.10 178.4W–.30 185–26 3.9b **¶11908249**
NEIC VIII 15 12 28 46.9–1.9 28.56S 178.27W 198–17 3.9b
IDC VIII 15 12 28 46.7–3.8 28.53S 178.36W 190–32 3.7,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=42.7km s-min=12.4km az=23.0.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=13.7km az=122.0.
IDC Error ellipse: s-maj=25.0km s-min=21.0km az=102.0.
ISC VIII 17 05 59 52.2–5.8 31.75S–.10 177.9W–.20 9–37 4.2b,3.5s 14 8-153
IDC VIII 17 05 59 50.1–1.0 31.49S 177.79W 0 4.4,4.2b **¶11908340**
NEIC VIII 17 05 59 57.5–.88 31.73S 177.89W 55 4.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=26.0km az=160.0.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=18.7km az=124.0.
ISC VIII 17 10 04 06.9–.94 31.23S–.07 179.8E–.20 340–11 3.7b 62 6-164
NEIC VIII 17 10 04 01.2–1.0 30.89S 179.74W 318–10 4.1b **¶11908351**
IDC VIII 17 10 04 02.3–4.9 30.93S 179.73W 328–48 3.7,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=11.4km az=95.0.
IDC Error ellipse: s-maj=52.0km s-min=23.7km az=2.0.
IDC VIII 17 12 32 57.1–36 27.36S 174.10W 0 4.7,4.5
¶12581155
IDC Error ellipse: s-maj=687.1km s-min=157.6km az=93.0.
ISC VIII 17 12 33 23.5–.58 29.64S–.04 179.15W–.05 288–6 4.6b 282 8-169
BJI VIII 17 12 33 21.9 29.15S 178.28W 301 4.7b,4.5b **¶13391930**
ISCJB VIII 17 12 33 23.0–.54 29.66S–.03 179.14W–.05 295–5 4.6b,4.5b
NEIC VIII 17 12 33 23.3–.84 29.53S 179.10W 291–9 4.7b,4.5b
IDC VIII 17 12 33 27.1–.54 29.30S 179.14W 325–4 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.9km az=31.1.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.1km az=140.0.
IDC Error ellipse: s-maj=13.6km s-min=9.7km az=165.0.
ISC VIII 23 21 22 10.8–1.1 31.88S–.09 179.8W–.20 270–12 3.9b 58 6-161
NEIC VIII 23 21 21 53.6–4.7 30.97S 179.21W 141–37 3.9b **¶11908658**
IDC VIII 23 21 21 56.2–6.0 30.95S 179.26W 158–48 4.0,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.9km s-min=23.0km az=214.0.
IDC Error ellipse: s-maj=42.7km s-min=19.0km az=40.0.
ISC VIII 25 03 19 50.6–1.4 30.31S–.10 179.9E–.30 356–19 3.5b 28 8-163
IDC VIII 25 03 19 39.9–6.5 29.61S 179.19W 299–55 3.6,3.5b **¶12581365**
IDC Error ellipse: s-maj=51.5km s-min=23.6km az=41.0.
IDC VIII 27 08 41 20.9–58 29.40S 175.95W 0 4.0,3.8b
¶12581462
IDC Error ellipse: s-maj=1071.0km s-min=199.9km az=97.0.
IDC VIII 28 16 32 39.8–4.6 28.69S 177.11W 0 4.1,3.9b
¶12581509
IDC Error ellipse: s-maj=195.3km s-min=55.9km az=153.0.
ISC VIII 29 08 48 43.8–1.3 31.5S–.10 179.4W–.30 357–18 2.6b 31 6-146
IDC VIII 29 08 48 38.2–9.4 31.04S 179.25W 302–101 3.1,3.0 **¶12581541**
IDC Error ellipse: s-maj=99.5km s-min=45.4km az=0.0.
IDC VIII 29 14 47 39.4–5.4 27.96S 178.28W 0 3.7,3.5
¶12581546
IDC Error ellipse: s-maj=251.0km s-min=60.7km az=157.0.
ISC VIII 30 10 34 06.4–.12 28.92S–.03 177.37W–.04 55 5.1b,4.4s 462 9-173
MOS VIII 30 10 34 02.9–1.5 28.46S 177.37W 33 5.3b,4.4s **¶11223918**
IDC VIII 30 10 34 02.0–4.2 28.53S 177.29W 19–25 4.9,4.9
ISCJB VIII 30 10 34 04.7–.12 28.93S–.04 177.41W–.04 53 5.1b,4.4s
BJI VIII 30 10 34 05.4 28.13S 176.57W 60 5.3b,5.3b
NEIC VIII 30 10 34 06.5–.19 28.64S 177.37W 53 5.1b,5.3b
ISC Event type se.
MOS Error ellipse: s-maj=13.2km s-min=9.5km az=62.1.
IDC Error ellipse: s-maj=18.1km s-min=15.0km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.5km az=44.2.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.2km az=140.0.
ISC IX 04 16 09 52.7–.15 31.82S–.03 177.79W–.04 35 5.8s,5.3b 268 3-173
IDC IX 04 16 09 47.1–.41 31.55S 177.71W 0 5.7,5.7s **¶11232467**
BJI IX 04 16 09 49.7 31.62S 177.82W 23 5.8b,5.7s
ISCJB IX 04 16 09 50.9–.15 31.84S–.03 177.81W–.04 33 5.8s,5.3b
NEIC IX 04 16 09 51.4–3.2 31.56S 177.81W 26–21 5.9s,5.7W
MOS IX 04 16 09 52.0–1.4 31.47S 177.76W 33 5.7s,5.7b
GCMT IX 04 16 09 54.6–.10 31.71S 177.19W 12 5.8W,5.7b
SZGRF IX 04 16 09 55.4 32.03S 176.77W 76 5.8W,5.7b
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=13.2km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=39.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.0km az=150.0.
MOS Error ellipse: s-maj=13.2km s-min=9.7km az=87.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=244, per= 50. Moment Tensor Solution. s94,c196; s73,c87; Moment tensor: Scale 10^{17}Nm; M_{rr}4.41±.03 $M_{\theta\theta}$0.02±.03; $M_{\phi\phi}$-4.43±.03; $M_{r\theta}$0.92±.10; $M_{\theta\phi}$-1.08±.03; $M_{\phi r}$4.77±.10; Best double couple: NP1:ϕ_s195.00000°,δ22.00000°,λ93.00000°. NP2:ϕ_s11.00000°,δ68.00000°,λ89.00000°. Principal axes: T 6.5200,Plg67.0000°,Azm279.0000°; N 0.2600,Plg1.0000°,Azm12.0000° ; P -6.7800,Plg23.0000°,Azm102.0000° $M_0$6.70000×10^{17}
SZGRF South of Kermadec Islands.
ISC IX 05 11 39 25.7–2.3 31.9S–.20 180.0W–.20 359–34 3.2b 28 6-152
NEIC IX 05 11 39 26.9–4.4 32.00S 179.94W 382–53 3.2b **¶11909522**
IDC IX 05 11 39 27.8–4.6 32.12S 179.98W 391–53 3.2,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=80.0km s-min=24.6km az=180.0.
IDC Error ellipse: s-maj=60.6km s-min=24.4km az=6.0.
IDC IX 06 07 50 48.3–3.4 31.91S 177.89W 0 3.8,3.6
¶11909592
IDC Error ellipse: s-maj=76.3km s-min=38.2km az=112.0.
IDC IX 06 17 51 06.1–2.9 31.82S 177.93W 0 3.9,3.7b
¶11909622
IDC Error ellipse: s-maj=68.3km s-min=35.6km az=117.0.
IDC IX 07 11 24 01.7–2.9 31.00S 177.44W 0 4.0,3.9
¶11909725
IDC Error ellipse: s-maj=70.8km s-min=41.3km az=129.0.
IDC IX 07 12 30 51.9–3.2 31.15S 177.58W 0 3.7,3.5
¶11909728
IDC Error ellipse: s-maj=76.9km s-min=37.4km az=114.0.
ISC IX 14 14 42 11.5–2.0 32.0S–.20 179.7E–.30 480–22 3.4b 22 6-152
NEIC IX 14 14 42 09.6–3.6 31.66S 179.81E 459–37 3.4b **¶11910267**
IDC IX 14 14 42 10.5–25 31.15S 179.58E 446–222 3.2,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=69.8km s-min=24.7km az=204.0.
IDC Error ellipse: s-maj=175.5km s-min=54.8km az=119.0.
IDC IX 16 19 07 30.4–2.9 29.40S 176.98W 0 4.0,3.8b
¶13394458
IDC Error ellipse: s-maj=166.9km s-min=44.1km az=161.0.
IDC IX 16 22 56 15.8–6.5 28.69S 179.25W 398–62 3.4,3.3
¶11910436
IDC Error ellipse: s-maj=55.0km s-min=27.4km az=37.0.
ISC IX 19 01 16 22.1–1.3 30.4S–.20 179.2W–.20 400 4.4b 12 29-163
ISCJB IX 19 01 16 20.6–1.3 30.3S–.20 179.2W–.20 400 4.4b **¶11910596**
IDC IX 19 01 16 22.7–7.0 30.37S 179.07W 416–68 4.2b,4.2
NEIC IX 19 01 16 24.9–6.5 30.41S 179.22W 438–64 4.2b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.9km s-min=18.4km az=135.1.
IDC Error ellipse: s-maj=40.1km s-min=16.8km az=63.0.
NEIC Event type se. Error ellipse: s-maj=44.9km s-min=19.0km az=67.0.
ISC IX 19 22 37 52.3–5.4 28.9S–.20 178.4W–.20 127–48 3.9b 8 10-147
IDC IX 19 22 37 50.2–6.6 28.62S 178.27W 116–57 3.8,3.6b **¶11910661**
IDC Error ellipse: s-maj=35.8km s-min=25.5km az=25.0.
IDC IX 20 03 26 23.9–7.5 31.93S 179.81E 484–99 3.2,3.0
¶11910682
IDC Error ellipse: s-maj=114.1km s-min=42.0km az=7.0.
ISC IX 21 18 50 18.1–.41 31.70S–.03 179.92E–.03 347–4 5.1b 520 6-176
NOU IX 21 18 49 22.9–.47 39.03S 175.55E 30–0 5.1b **¶11282370**
ISCJB IX 21 18 50 16.8–.43 31.56S–.03 179.88E–.03 344–4 5.1b
MOS IX 21 18 50 16.4–.88 31.26S 179.98W 334 5.4b
BJI IX 21 18 50 17.3 31.40S 180.00E 348 5.0b,4.9b
IDC IX 21 18 50 18.9–1.1 31.24S 179.91W 350–10 4.8,4.8

GCMT IX 21 18 50 20.4–.30 31.35S 179.92W 351–1 5.3W,4.8
NEIC IX 21 18 50 21.4–.80 31.38S 179.97E 378–7 5.2b,4.8
DJA IX 21 18 50 36 31.73S 178.97E 516 5.0b,4.8
ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.6km az=142.1.
MOS Error ellipse: s-maj=11.4km s-min=8.8km az=74.1.
IDC Error ellipse: s-maj=9.3km s-min=7.9km az=162.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c114; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s174.00000°,δ27.00000°,λ-152.00000°. NP2:ϕ_s59.00000° ,δ78.00000°,λ-66.00000°. Principal axes: T 1.1400,Plg29.0000°,Azm130.0000° ; N 0.0500,Plg23.0000°,Azm234.0000°; P -1.1900,Plg51.0000°,Azm356.0000° $M_0$1.20000×10^{17}
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=145.0.
IDC IX 25 06 18 35.8–6.4 28.69S 177.91W 0 4.2,3.9b
¶11910995

IDC Error ellipse: s-maj=322.2km s-min=94.1km az=164.0.
IDC IX 26 20 11 30.9–6.8 28.08S 178.12W 0 3.9,3.6b
¶11911115

IDC Error ellipse: s-maj=311.6km s-min=103.1km az=163.0.
IDC IX 26 22 30 38.0–3.3 31.51S 177.53W 0 3.9,3.7b
¶11911128

IDC Error ellipse: s-maj=73.7km s-min=37.5km az=114.0.
IDC IX 27 07 53 51.7–9.2 30.95S 179.24W 411–111 2.9,2.9
¶11911177

IDC Error ellipse: s-maj=110.2km s-min=49.6km az=176.0.
ISC IX 27 13 11 45.2–1.1 32.0S–.10 179.9W–.40 411–25 2.7b 40 6-150
IDC IX 27 13 11 40.4–8.8 31.71S 179.82W 372–100 2.9,2.8 **¶11911198**
IDC Error ellipse: s-maj=112.7km s-min=34.8km az=5.0.
IDC IX 28 05 11 47.8–2.4 27.65S 176.33W 0 4.1,4.0
¶11911250

IDC Error ellipse: s-maj=97.0km s-min=31.4km az=156.0.
IDC IX 28 22 17 26.0–4.9 31.04S 177.98W 0 4.1,3.9b
¶11911299

IDC Error ellipse: s-maj=193.3km s-min=53.2km az=160.0.
ISC IX 29 15 36 57.1–5.1 30.2S–.10 176.5W–.70 35 4.1b 7 10-154
IDC IX 29 15 36 56.4–1.7 30.17S 177.18W 0 4.3,4.2b **¶11911347**
NEIC IX 29 15 37 01.4–1.1 30.27S 177.13W 35 4.3,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=28.9km az=138.0.
NEIC Event type se. Error ellipse: s-maj=32.6km s-min=19.3km az=121.0.
ISC IX 29 15 41 43.6–5.1 30.2S–.10 176.9W–.70 35 4.0b 8 9-153
IDC IX 29 15 41 40.3–2.0 30.20S 177.18W 0 4.3,4.2 **¶11911349**
NEIC IX 29 15 41 45.4–1.1 30.25S 177.17W 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=53.1km s-min=31.4km az=132.0.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=17.5km az=112.0.
IDC IX 29 15 57 17.4–6.0 27.98S 177.87W 0 3.9,3.7b
¶11911354

IDC Error ellipse: s-maj=182.7km s-min=93.3km az=151.0.
IDC IX 29 16 21 00.8–38 28.60S 174.99W 0 4.0,3.8b
¶11911361

IDC Error ellipse: s-maj=713.4km s-min=173.3km az=94.0.
IDC IX 29 16 59 31.0–4.7 28.25S 179.18W 0 4.7s,4.7
¶11911366

IDC Error ellipse: s-maj=195.5km s-min=56.3km az=153.0.
IDC IX 29 18 09 59.8–6.5 29.09S 179.81W 0 3.4,3.3
¶11911375

IDC Error ellipse: s-maj=332.4km s-min=94.6km az=166.0.
IDC IX 29 18 10 08.5–1.5 30.71S 179.17W 0 3.9,3.8
¶13395469

IDC Error ellipse: s-maj=54.2km s-min=31.9km az=144.0.
ISC IX 29 21 04 55.8–.85 28.4S–.10 177.6W–.10 35 3.9b 12 11-143
IDC IX 29 21 04 51.4–3.5 28.64S 177.64W 0 4.1,3.9b **¶11911399**
ISCJB IX 29 21 04 53.6–.85 28.3S–.10 177.7W–.10 33 3.9b,3.9b
NEIC IX 29 21 04 55.7–.80 28.41S 177.66W 35 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=93.7km s-min=37.4km az=35.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=14.5km az=165.5.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=14.6km az=165.0.
IDC IX 29 21 25 10.7–5.2 28.92S 177.52W 0 3.9,3.7b
¶11911404

IDC Error ellipse: s-maj=186.2km s-min=79.8km az=156.0.
IDC IX 29 23 51 03.0–7.2 28.85S 177.69W 0 3.7,3.6
¶11911417

IDC Error ellipse: s-maj=444.7km s-min=89.6km az=165.0.
NEIC IX 30 00 22 11.8–1.9 30.15S 176.38W 35 3.9b
IDC IX 30 00 22 07.4–2.7 28.87S 176.69W 0 4.1,4.0b **¶11911420**
NEIC Event type se. Error ellipse: s-maj=38.7km s-min=19.6km az=99.0.
IDC Error ellipse: s-maj=97.3km s-min=41.8km az=17.0.
IDC IX 30 00 54 38.4–7.6 28.13S 177.60W 0 3.7,3.5
¶11911421

IDC Error ellipse: s-maj=450.4km s-min=100.4km az=163.0.
IDC IX 30 11 50 48.5–6.0 28.64S 177.84W 0 3.8,3.6
¶11911449

IDC Error ellipse: s-maj=269.9km s-min=94.8km az=163.0.
ISC IX 30 12 02 35.1–.65 27.2S–.10 176.7W–.10 35 4.1b,3.7s 23 12-166
IDC IX 30 12 02 28.8–.62 27.12S 176.59W 0 4.3,4.2 **¶11911451**
ISCJB IX 30 12 02 33.1–.65 27.3S–.10 176.8W–.10 33 4.1b,3.7s
NEIC IX 30 12 02 34.5–.56 27.17S 176.71W 35 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=19.5km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=15.5km az=3.8.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=14.7km az=94.0.
IDC IX 30 18 28 30.8–4.8 29.01S 176.86W 0 3.9,3.7b
¶11911477

IDC Error ellipse: s-maj=177.9km s-min=75.8km az=157.0.
IDC IX 30 18 57 33.5–6.0 28.22S 177.73W 0 3.7,3.6
¶11911480

IDC Error ellipse: s-maj=227.1km s-min=97.7km az=161.0.
IDC IX 30 21 10 43.4–6.7 27.93S 177.91W 0 3.7,3.5
¶11911488

IDC Error ellipse: s-maj=284.6km s-min=104.6km az=162.0.
IDC X 01 01 36 21.8–5.7 28.87S 177.66W 0 4.0,3.7b
¶11911515

IDC Error ellipse: s-maj=299.7km s-min=84.1km az=165.0.
IDC X 01 03 00 37.3–5.6 28.61S 177.69W 0 3.8,3.6b
¶11911523

IDC Error ellipse: s-maj=239.6km s-min=90.2km az=163.0.
IDC X 01 06 57 33.6–13 30.02S 179.21W 0 3.9,3.7b
¶11911536

IDC Error ellipse: s-maj=242.5km s-min=39.8km az=82.0.
ISC X 02 06 27 46.5–.73 27.93S–.05 179.4W–.10 427–11 3.4b 75 10-87
ISCJB X 02 06 27 43.7–.88 27.88S–.05 179.3W–.10 417–12 3.4b **¶11911691**
IDC X 02 06 27 44.2–2.1 27.77S 179.42W 396–22 3.4,3.3
NEIC X 02 06 27 45.3–.90 27.89S 179.36W 410–15 3.4b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=6.4km az=12.7.
IDC Error ellipse: s-maj=23.6km s-min=15.8km az=108.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.8km az=104.0.
ISC X 02 13 03 07.2–.11 31.50S–.03 178.05W–.04 89 5.2b 432 2-171
BJI X 02 13 03 01.4 30.51S 177.18W 53 5.4b,5.4b **¶11326342**
ISCJB X 02 13 03 05.6–.11 31.48S–.02 178.10W–.04 87 5.2b,5.4b
MOS X 02 13 03 05.5–1.0 30.78S 178.13W 72 5.3b,5.4b
NEIC X 02 13 03 08.8–.22 30.78S 178.13W 93 5.4W,5.2b
GCMT X 02 13 03 08.6–.10 30.87S 177.81W 86–1 5.4W,5.2b
IDC X 02 13 03 09.3–.77 30.77S 178.10W 97–6 4.8,4.8
DJA X 02 13 04 22 29.82S 177.86E 650 5.1b,4.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.1km az=35.3.

MOS Error ellipse: s-maj=12.1km s-min=10.8km az=79.2.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.8km az=161.0. Moment Tensor Solution. s19 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$0.82 $M_{r\theta}$-0.12 $M_{\theta\phi}$0.01 $M_{\phi r}$1.39 Best double couple: NP1:ϕ_s175.00000°,δ76.00000°,λ-93.00000°. NP2:ϕ_s9.00000° ,δ14.00000°,λ-77.00000°. Principal axes: T 1.6600,Plg31.0000°,Azm267.0000° ; N -0.1700,Plg3.0000°,Azm175.0000°; P -1.4900,Plg58.0000°,Azm80.0000° $M_0$1.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 98, comp=187, per= 50. Moment Tensor Solution. s90,c181; s10,c10; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.02 $M_{\theta\theta}$-0.92±.03; $M_{\phi\phi}$1.15±.03; $M_{r\theta}$-0.15±.02; $M_{\theta\phi}$0.43±.02; $M_{\phi r}$1.39±.02; Best double couple: NP1:ϕ_s61.00000°,δ36.00000°,λ-8.00000°. NP2:ϕ_s158.00000°,δ85.00000°,λ-126.00000°. Principal axes: T 2.0400,Plg31.0000°,Azm277.0000°; N -0.6600,Plg35.0000°,Azm161.0000° ; P -1.3800,Plg39.0000°,Azm36.0000° $M_0$1.70000×10^{17}
IDC Error ellipse: s-maj=15.9km s-min=14.1km az=19.0.
IDC X 03 04 30 14.9–6.3 27.94S 177.94W 0 4.0,3.7b
¶12065756

IDC Error ellipse: s-maj=235.7km s-min=101.5km az=161.0.
IDC X 03 17 12 19.5–2.9 30.09S 176.93W 0 3.9,3.7
¶12065793

IDC Error ellipse: s-maj=70.5km s-min=35.7km az=117.0.
ISC X 03 18 41 07.8–.49 27.11S–.08 176.08W–.09 10 4.3b,4.0s 53 3-166
ISCJB X 03 18 41 06.4–.52 27.15S–.08 176.10W–.10 10 4.3b,4.0s **¶11357329**
NEIC X 03 18 41 08.5–.56 27.00S 176.14W 10 4.7b,4.0s
IDC X 03 18 41 08.8–.56 27.15S 176.59W 0 4.4,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=9.0km az=43.8.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=13.1km az=139.0.
IDC Error ellipse: s-maj=21.9km s-min=19.0km az=119.0.
ISC X 03 20 07 49.4–2.5 27.1S–.10 176.7W–.10 45–22 4.2b,4.0s 41 2-152
IDC X 03 20 07 42.8–.64 26.95S 176.65W 0 4.3,4.2 **¶13395907**
NEIC X 03 20 07 48.6–2.5 27.02S 176.67W 40–22 4.7b,4.2
ISCJB X 03 20 07 49.7–2.5 27.1S–.10 176.9W–.10 60–20 4.2b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 03 20 17 45.1–2.6 27.2S–.10 176.7W–.10 43–21 4.2b,3.9s 33 2-152
IDC X 03 20 17 39.2–.76 27.05S 176.70W 0 4.2,4.1 **¶11357331**
NEIC X 03 20 17 43.0–6.8 27.07S 176.66W 25–46 4.5b,4.1
ISCJB X 03 20 17 46.1–2.6 27.2S–.10 176.7W–.10 66–21 4.1b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 03 20 57 45.7–.37 27.01S–.06 176.67W–.09 35 4.5b,4.1s 58 2-157
IDC X 03 20 57 39.9–.70 27.00S 176.62W 0 4.5,4.5 **¶11357332**
ISCJB X 03 20 57 43.9–.37 26.99S–.06 176.70W–.09 33 4.5b,4.1s
NEIC X 03 20 57 47.1–2.0 27.05S 176.67W 51–17 4.7b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=16.4km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=7.3km az=30.8.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.2km az=164.0.
IDC X 04 04 12 36.6–3.0 31.90S 179.34W 0 4.0,3.8
¶12065879

IDC Error ellipse: s-maj=65.0km s-min=35.5km az=102.0.
ISC X 04 17 50 32.8–1.1 31.57S–.08 177.1W–.20 35 4.6b,3.8s 29 8-161
IDC X 04 17 50 27.8–1.6 31.48S 177.07W 0 4.4,4.3 **¶12065922**
NEIC X 04 17 50 29.0–7.3 31.49S 177.23W 7–43 4.8b,4.3
ISCJB X 04 17 50 31.2–1.1 31.64S–.08 177.2W–.20 33 4.6b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 04 19 45 55.1–5.8 31.16S 178.06W 0 3.7,3.5
¶12065929

IDC Error ellipse: s-maj=226.6km s-min=62.7km az=156.0.
IDC X 05 09 53 47.6–3.0 31.05S 176.64W 0 4.0,3.9
¶12065986

IDC Error ellipse: s-maj=72.5km s-min=40.0km az=117.0.
IDC X 05 10 03 45.5–2.8 30.72S 176.83W 0 4.1,4.0
¶12065988

IDC Error ellipse: s-maj=60.8km s-min=33.2km az=113.0.
ISC X 05 10 44 55.6–1.8 30.54S–.04 176.95W–.05 5–11 5.2s,5.0b 286 8-169
ISCJB X 05 10 44 53.6–1.6 30.61S–.04 176.96W–.05 2–10 5.2s,5.0b **¶11330128**
IDC X 05 10 44 55.3–.48 30.14S 177.13W 0 5.1s,5.1
MOS X 05 10 44 58.8–1.1 30.48S 177.08W 33 5.4b,5.1
NEIC X 05 10 44 60.0–.29 30.61S 176.93W 35 5.2b,5.1
GCMT X 05 10 45 00.6–.30 29.98S 176.45W 20–1 5.4W,5.1
BJI X 05 10 45 00.0 30.70S 176.90W 35 5.7b,5.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.2km az=39.7.
IDC Error ellipse: s-maj=18.8km s-min=14.4km az=172.0.
MOS Error ellipse: s-maj=18.5km s-min=15.9km az=7.2.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.3km az=141.0.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s40,c45; s90,c144; Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.07 $M_{\theta\theta}$-0.19±.04; $M_{\phi\phi}$-1.01±.04; $M_{r\theta}$-0.14±.08; $M_{\theta\phi}$-0.31±.02; $M_{\phi r}$1.16±.08; Best double couple: NP1:ϕ_s210.00000°,δ25.00000°,λ116.00000°. NP2:ϕ_s2.00000°,δ68.00000°,λ78.00000°. Principal axes: T 1.7300,Plg65.0000° ,Azm252.0000°; N -0.1800,Plg11.0000°,Azm6.0000°; P -1.5500,Plg22.0000°,Azm101.0000° $M_0$1.60000×10^{17}
ISC X 05 11 02 18.2–4.9 30.46S–.09 176.5W–.20 1–32 3.9b 22 9-152
ISCJB X 05 11 02 18.1–5.3 30.5S–.10 176.6W–.20 15–38 3.9b **¶12065993**
IDC X 05 11 02 18.1–1.4 30.49S 176.57W 0 4.1,4.0
NEIC X 05 11 02 23.3–1.0 30.54S 176.54W 35 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.5km s-min=15.8km az=13.5.
IDC Error ellipse: s-maj=33.6km s-min=26.0km az=99.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=13.0km az=100.0.
ISC X 05 11 52 41.8–.82 30.98S–.07 179.4W–.10 354–10 3.9b 84 7-162
NEIC X 05 11 52 39.0–1.1 30.61S 179.25W 325–9 3.9b **¶12065997**
IDC X 05 11 52 41.2–1.9 30.41S 179.56W 335–17 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.2km az=123.0.
IDC Error ellipse: s-maj=15.6km s-min=14.2km az=152.0.
IDC X 05 12 13 40.8–3.3 31.51S 177.43W 0 4.0,3.9
¶12065999

IDC Error ellipse: s-maj=73.5km s-min=37.1km az=116.0.
IDC X 05 12 41 04.4–3.2 30.32S 176.68W 0 4.0,3.8
¶12066003

IDC Error ellipse: s-maj=77.5km s-min=37.6km az=117.0.
ISC X 05 12 49 43.5–4.1 30.4S–.30 176.4W–.50 41–54 4.0b 19 9-146
IDC X 05 12 49 39.7–2.5 30.30S 176.77W 0 4.1,4.0 **¶12066004**
NEIC X 05 12 49 44.1–1.8 30.39S 176.60W 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=59.9km s-min=27.8km az=117.0.
NEIC Event type se. Error ellipse: s-maj=38.5km s-min=14.8km az=98.0.
IDC X 05 13 18 35.6–3.1 30.25S 176.96W 0 3.9,3.7
¶12066006

IDC Error ellipse: s-maj=73.9km s-min=36.5km az=115.0.
IDC X 05 13 18 53.4–3.3 30.22S 176.98W 0 4.0,3.9
¶12066007

IDC Error ellipse: s-maj=77.8km s-min=46.9km az=119.0.
IDC X 05 13 22 52.1–8.7 27.01S 179.60W 353–74 3.5,3.5
¶12066008

IDC Error ellipse: s-maj=70.0km s-min=20.2km az=47.0.
ISC X 05 14 08 30.6–1.1 31.50S–.06 177.5W–.20 35 4.4b 39 7-162
IDC X 05 14 08 25.9–.89 31.19S 177.54W 0 4.6,4.4s **¶12066010**
ISCJB X 05 14 08 29.2–1.0 31.56S–.06 177.6W–.20 33 4.4b,4.4s
NEIC X 05 14 08 30.1–.64 31.60S 177.50W 35 4.7b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=24.1km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=6.3km az=16.3.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.7km az=123.0.
ISC X 05 14 09 48.1–.43 31.64S–.04 177.38W–.08 35 4.8b,4.7s 113 7-162

IDC X 05 14 09 43.5–.55 31.13S 177.49W 0 4.7,4.7 ¶13396069
ISCJB X 05 14 09 46.4–.44 31.70S–.04 177.43W–.09 33 4.8b,4.7s
MOS X 05 14 09 48.3–1.5 31.22S 177.64W 33 5.4b,4.7s
GCMT X 05 14 09 49.5–.20 31.15S 177.18W 13–0 5.2W,4.7s
NEIC X 05 14 09 49.3–.37 31.16S 177.57W 35 5.2b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=13.6km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=4.1km az=21.5.
MOS Error ellipse: s-maj=22.1km s-min=17.0km az=26.2.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s56,c79; s78,c138; Moment tensor: Scale 10^{16}Nm; M_{rr}5.75±.22 $M_{\theta\theta}$0.18±.16; $M_{\phi\phi}$-5.94±.17; $M_{r\theta}$0.43±.43; $M_{\theta\phi}$-1.66±.11; $M_{\phi r}$5.96±.51; Best double couple: NP1:ϕ_s203.00000°,δ23.00000°,λ105.00000°. NP2:ϕ_s7.00000°,δ67.00000°,λ84.00000°. Principal axes: T 8.2600,Plg67.0000° ,Azm266.0000°; N 0.5000,Plg6.0000°,Azm9.0000°; P -8.7700,Plg22.0000°,Azm102.0000° M_o8.50000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.7km az=165.0.
NEIC X 05 14 33 34.9–2.2 30.68S 176.39W 35 4.2b
IDC X 05 14 33 30.8–3.2 30.47S 176.57W 0 3.9,3.8 ¶12066011
NEIC Event type se. Error ellipse: s-maj=49.3km s-min=24.0km az=107.0.
IDC Error ellipse: s-maj=80.1km s-min=44.2km az=129.0.
ISC X 05 15 03 05.2–1.2 31.5S–.10 177.6W–.20 35 4.2b 22 8-146
IDC X 05 15 03 00.0–1.3 31.37S 177.56W 0 4.3,4.1 ¶12066012
ISCJB X 05 15 03 03.1–1.1 31.50S–.09 177.6W–.20 33 4.2b,4.1
NEIC X 05 15 03 05.1–.97 31.52S 177.55W 35 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=26.2km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=11.4km az=19.5.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=15.8km az=105.0.
ISC X 05 15 08 34.0–6.1 30.3S–.10 176.9W–.20 24–45 4.1b 17 9-145
IDC X 05 15 08 30.6–1.7 30.27S 176.87W 0 4.2,4.0b ¶12066013
ISCJB X 05 15 08 33.7–1.4 30.42S–.10 176.9W–.20 33 4.1b,4.0b
NEIC X 05 15 08 35.5–.93 30.37S 176.89W 35 4.5b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=50.6km s-min=27.9km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=11.6km az=18.6.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=13.3km az=116.0.
IDC X 05 17 13 58.3–1.7 30.36S 176.90W 0 4.1,3.9b
¶12066036
IDC Error ellipse: s-maj=50.5km s-min=26.7km az=142.0.
ISC X 05 17 33 52.4–1.4 30.4S–.10 176.8W–.20 35 4.0b 15 9-152
IDC X 05 17 33 47.1–1.5 30.44S 176.80W 0 4.2,4.0 ¶12066040
ISCJB X 05 17 33 50.3–1.4 30.5S–.10 176.8W–.20 33 4.0b,4.0
NEIC X 05 17 33 52.2–1.1 30.51S 176.73W 35 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=24.5km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=32.2km s-min=12.1km az=22.3.
NEIC Event type se. Error ellipse: s-maj=34.7km s-min=18.8km az=131.0.
ISC X 05 18 44 48.8–1.4 30.3S–.10 177.0W–.20 35 3.9b 15 9-145
IDC X 05 18 44 43.4–1.6 30.28S 176.99W 0 4.0,3.8 ¶12066049
ISCJB X 05 18 44 47.0–1.4 30.4S–.10 177.0W–.20 33 3.9b,3.8
NEIC X 05 18 44 48.1–1.2 30.43S 176.92W 35 4.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=25.1km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=31.4km s-min=12.0km az=20.3.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=17.6km az=118.0.
IDC X 05 19 30 57.3–4.2 30.18S 176.98W 0 4.0,3.9
¶12066052
IDC Error ellipse: s-maj=139.2km s-min=51.5km az=152.0.
IDC X 05 20 03 45.1–3.1 30.27S 176.88W 0 4.1,3.9b
¶12066056
IDC Error ellipse: s-maj=72.3km s-min=36.3km az=116.0.
ISC X 05 20 32 21.9–5.3 30.26S–.09 176.9W–.20 30–37 4.0b 16 1-145
IDC X 05 20 32 17.3–1.7 30.09S 176.81W 0 4.1,3.9 ¶12066060
ISCJB X 05 20 32 20.2–5.0 30.38S–.09 176.9W–.20 31–34 4.0b,3.9
NEIC X 05 20 32 22.4–.95 30.15S 176.85W 35 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=57.1km s-min=27.0km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=33.4km s-min=13.1km az=13.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=14.1km az=102.0.
IDC X 06 01 57 54.9–5.5 29.00S 177.24W 0 3.9,3.7b
¶12066084
IDC Error ellipse: s-maj=285.9km s-min=81.0km az=164.0.
IDC X 06 02 53 10.6–7.1 30.83S 176.81W 0 4.0,3.8
¶12066090
IDC Error ellipse: s-maj=382.7km s-min=36.1km az=161.0.
IDC X 06 03 28 39.7–1.8 30.32S 176.87W 0 4.1,3.9
¶12066092
IDC Error ellipse: s-maj=57.3km s-min=29.0km az=136.0.
IDC X 06 13 16 13.9–4.1 29.48S 176.64W 0 4.0,3.8b
¶12066152
IDC Error ellipse: s-maj=211.6km s-min=41.9km az=155.0.
ISC X 06 15 44 21.5–.43 30.45S–.07 176.96W–.10 35 4.5b,3.7s 46 1-163
IDC X 06 15 44 16.4–.58 30.07S 176.92W 0 4.6,4.5 ¶11369852
ISCJB X 06 15 44 19.7–.43 30.48S–.06 177.06W–.09 33 4.5b,3.7s
NEIC X 06 15 44 23.1–1.6 30.01S 177.02W 44–14 4.7b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=18.5km az=175.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.8km az=28.2.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.6km az=137.0.
IDC X 07 02 44 44.9–9.1 29.95S 176.95W 0 3.9b,3.9
¶12066245
IDC Error ellipse: s-maj=396.0km s-min=51.7km az=149.0.
ISC X 07 11 19 31.3–5.4 30.45S–.09 176.8W–.20 13–33 4.2b 21 9-163
IDC X 07 11 19 28.8–1.1 30.19S 176.82W 0 4.4,4.2b ¶12066257
ISCJB X 07 11 19 31.1–5.1 30.53S–.08 176.9W–.20 23–36 4.2b,4.2b
NEIC X 07 11 19 33.5–.96 30.45S 176.75W 35 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=24.5km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=28.1km s-min=13.5km az=10.4.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=16.2km az=112.0.
IDC X 07 23 11 33.9–6.0 28.58S 177.68W 0 3.8,3.6b
¶12066302
IDC Error ellipse: s-maj=267.7km s-min=92.7km az=163.0.
ISC X 08 01 07 44.3–.81 31.85S–.07 179.8E–.10 431–9 3.7b 68 6-161
ISCJB X 08 01 07 41.8–.80 31.72S–.07 179.8E–.10 428–8 3.7b ¶13396353
NEIC X 08 01 07 41.9–2.0 31.59S 179.93E 417–20 3.7b
IDC X 08 01 07 41.5–1.8 31.54S 179.79E 405–17 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=9.2km az=18.3.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=13.7km az=207.0.
IDC Error ellipse: s-maj=24.0km s-min=15.7km az=175.0.
IDC X 08 13 24 33.5–37 29.35S 175.63W 0 3.7,3.6
¶12066336
IDC Error ellipse: s-maj=698.0km s-min=174.8km az=97.0.
IDC X 08 19 07 31.7–2.8 30.42S 176.59W 0 4.1,4.0b
¶12066362
IDC Error ellipse: s-maj=64.1km s-min=34.7km az=121.0.
ISC X 09 02 19 02.5–.86 31.47S–.09 179.6E–.10 474–9 4.0b 31 3-158
ISCJB X 09 02 19 01.7–.86 31.44S–.09 179.6E–.10 480–9 4.0b ¶13396447
NEIC X 09 02 19 02.5–.76 31.35S 179.50E 474–9 3.9b
IDC X 09 02 19 02.6–3.2 31.31S 179.48E 471–33 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=13.7km az=1.4.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=13.4km az=129.0.
IDC Error ellipse: s-maj=31.6km s-min=17.4km az=34.0.
ISC X 09 12 26 03.4–2.0 31.2S–.20 180.0W–.30 378–24 3.0b 47 6-145
IDC X 09 12 25 55.4–7.2 30.66S 179.59W 305–55 3.2,3.1 ¶12066421
IDC Error ellipse: s-maj=69.3km s-min=23.2km az=45.0.
IDC X 09 13 41 35.2–5.1 28.83S 177.45W 0 4.0,3.8b
¶12066429
IDC Error ellipse: s-maj=167.8km s-min=81.1km az=155.0.

IDC X 09 14 33 06.5–30 30.39S 176.95W 0 4.0,3.9
¶12066434
IDC Error ellipse: s-maj=546.2km s-min=62.0km az=86.0.
IDC X 09 22 23 06.7–3.3 31.81S 177.56W 0 3.9,3.8
¶12066465
IDC Error ellipse: s-maj=74.3km s-min=37.0km az=117.0.
ISC X 10 09 51 10.4–.48 28.77S–.10 177.12W–.09 55 4.3b,3.5s 48 1-164
ISCJB X 10 09 51 08.4–.48 28.70S–.09 177.14W–.10 53 4.3b,3.5s ¶11369873
NEIC X 10 09 51 10.0–.50 28.64S 177.26W 47 4.7b,3.5s
IDC X 10 09 51 10.7–.95 28.63S 177.41W 45–7 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=8.9km az=136.8.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=10.3km az=136.0.
IDC Error ellipse: s-maj=29.5km s-min=16.4km az=154.0.
ISC X 10 13 06 35.2–3.4 27.1S–.10 177.0W–.20 47–30 4.0b 51 2-152
IDC X 10 13 06 29.0–.66 26.59S 177.15W 0 4.3,4.2 ¶12066509
NEIC X 10 13 06 33.9–.46 26.64S 177.15W 35 3.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=18.2km az=131.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=8.4km az=114.0.
IDC X 11 01 39 54.4–2.3 30.40S 176.86W 0 4.1,3.9b
¶12066557
IDC Error ellipse: s-maj=63.2km s-min=34.0km az=126.0.
IDC X 11 03 45 24.8–3.7 27.56S 177.15W 0 4.1,3.9b
¶12066561
IDC Error ellipse: s-maj=190.0km s-min=51.6km az=157.0.
ISC X 11 12 23 28.6–.24 30.29S–.04 176.92W–.05 34 5.2b,5.0s 190 1-172
ISCJB X 11 12 23 26.6–.25 30.31S–.03 176.97W–.05 32 5.2b,5.0s ¶11345000
BJI X 11 12 23 28.6 29.38S 176.52W 35 5.9b,5.5b
IDC X 11 12 23 29.7–.49 29.79S 176.92W 33–3 5.0s,5.0
GCMT X 11 12 23 29.8–.20 29.73S 176.52W 16–0 5.5W,5.0
MOS X 11 12 23 29.8–1.4 29.52S 176.91W 33 5.6b,5.0
NEIC X 11 12 23 29.8–.23 29.82S 176.90W 35 5.5b,5.0
DJA X 11 12 24 07 30.18S 178.19W 349 4.8b,5.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.0km az=29.7.
IDC Error ellipse: s-maj=15.7km s-min=15.1km az=165.0.
GCMT Event type se. Data Used: II IC G IU CN. Surface waves: sta= 97, comp=163, per= 50. Moment Tensor Solution. s62,c91; s20,c20; Moment tensor: Scale 10^{17}Nm; M_{rr}1.42±.04 $M_{\theta\theta}$-0.12±.03; $M_{\phi\phi}$-1.30±.03; $M_{r\theta}$0.33±.09; $M_{\theta\phi}$-0.31±.02; $M_{\phi r}$1.17±.09; Best double couple: NP1:ϕ_s192.00000°,δ25.00000°,λ88.00000°. NP2:ϕ_s15.00000°,δ66.00000°,λ91.00000°. Principal axes: T 1.8800,Plg69.0000°,Azm287.0000°; N -0.0500,Plg1.0000°,Azm195.0000° ; P -1.8300,Plg21.0000°,Azm104.0000° M_o1.90000×10^{17}
MOS Error ellipse: s-maj=21.0km s-min=15.3km az=84.5.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.7km az=161.0.
IDC X 12 04 25 42.1–3.2 31.59S 177.14W 0 4.1,3.9L
¶12068443
IDC Error ellipse: s-maj=76.1km s-min=37.1km az=118.0.
IDC X 12 09 45 37.9–6.4 28.49S 179.06W 0 3.9,3.7b
¶12068455
IDC Error ellipse: s-maj=285.3km s-min=99.4km az=164.0.
IDC X 12 11 20 56.7–6.1 28.32S 178.77W 0 4.1,3.9b
¶12068460
IDC Error ellipse: s-maj=177.8km s-min=95.8km az=152.0.
ISC X 12 14 45 22.8–1.6 28.97S–.09 177.3W–.20 75–12 4.0b 29 1-164
IDC X 12 14 45 13.1–.93 28.86S 177.25W 0 4.3,4.1 ¶12068470
NEIC X 12 14 45 21.8–2.3 28.49S 177.55W 56–19 4.6b,4.1
ISCJB X 12 14 45 22.6–1.4 29.01S–.08 177.4W–.20 84–9 4.0b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 12 22 08 36.4–4.1 31.33S–.09 177.8W–.10 31–33 4.2b 16 2-153
ISCJB X 12 22 08 33.6–4.1 31.40S–.09 177.8W–.10 24–33 4.2b ¶12068496
IDC X 12 22 08 33.5–2.5 30.33S 177.97W 0 4.4,4.2b
NEIC X 12 22 08 37.2–.91 31.31S 177.82W 37–8 4.0b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=13.6km az=43.0.
IDC Error ellipse: s-maj=149.4km s-min=39.6km az=167.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.9km az=133.0.
IDC X 13 05 21 16.3–4.1 28.00S 179.26E 0 4.4,4.1
¶12068527
IDC Error ellipse: s-maj=219.8km s-min=35.2km az=16.0.
IDC X 13 21 57 46.9–3.5 28.74S 177.64W 0 3.9,3.8b
¶12068581
IDC Error ellipse: s-maj=92.6km s-min=42.5km az=33.0.
ISC X 18 06 23 39.6–1.0 29.99S–.08 177.0W–.20 35 4.0b 20 1-152
IDC X 18 06 23 32.8–1.4 30.14S 176.65W 0 4.2,4.1 ¶12068957
ISCJB X 18 06 23 37.9–1.0 30.10S–.07 177.0W–.20 33 4.0b,4.1
NEIC X 18 06 23 39.1–.91 29.97S 176.89W 35 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=46.6km s-min=23.9km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=10.5km az=7.4.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=17.1km az=71.0.
IDC X 18 17 18 20.0–6.9 27.70S 177.72W 0 3.8,3.5b
¶12068987
IDC Error ellipse: s-maj=345.3km s-min=63.8km az=157.0.
ISC X 18 17 25 29.6–1.8 31.30S–.09 178.6W–.30 35 4.3b 13 8-162
IDC X 18 17 25 21.6–1.2 31.02S 178.17W 0 4.3,4.2 ¶12068989
NEIC X 18 17 25 23.0–.94 31.04S 178.17W 10 4.3,4.2
ISC Event type se.
IDC Error ellipse: s-maj=33.4km s-min=29.5km az=59.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=16.3km az=95.0.
ISC X 19 19 21 20.3–3.9 30.01S–.06 176.9W–.10 14–24 4.3b,4.2s 48 1-163
IDC X 19 19 21 18.5–.48 29.75S 176.85W 0 4.5,4.5 ¶12069070
ISCJB X 19 19 21 21.8–1.9 30.12S–.06 177.0W–.10 34–15 4.3b,4.2s
NEIC X 19 19 21 23.6–.28 29.74S 176.86W 35 4.7b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=17.7km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=10.2km az=4.4.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.6km az=204.0.
IDC X 22 19 05 04.8–5.6 29.63S 179.76W 0 4.3,4.0b
¶12070821
IDC Error ellipse: s-maj=252.6km s-min=87.4km az=166.0.
IDC X 23 14 21 12.3–3.4 31.49S 178.27W 0 4.1,4.0
¶12070896
IDC Error ellipse: s-maj=75.0km s-min=50.9km az=133.0.
ISC X 23 17 37 26.4–3.0 28.3S–.10 176.3W–.20 56–23 4.4b,3.5s 31 2-165
IDC X 23 17 37 19.3–.79 27.95S 176.32W 0 4.4,4.3 ¶12070922
NEIC X 23 17 37 25.9–.76 27.87S 176.45W 35 4.9b,4.3
ISCJB X 23 17 37 27.6–2.5 28.35S–.09 176.5W–.20 75–18 4.3b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 24 09 38 38.6–3.8 28.8S–.30 177.9W–.50 35 4.0b 11 0-144
IDC X 24 09 38 30.6–3.5 28.55S 177.58W 0 4.1,4.0 ¶12070968
NEIC X 24 09 38 36.6–1.4 28.67S 177.66W 35 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=92.0km s-min=34.3km az=36.0.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=19.9km az=73.0.
IDC X 26 20 02 06.5–8.2 31.84S 179.94E 465–104 2.7,2.7
¶12071187
IDC Error ellipse: s-maj=115.9km s-min=42.4km az=6.0.
IDC X 27 16 19 15.5–1.6 28.50S 177.84W 0 4.2,4.1b
¶12071249
IDC Error ellipse: s-maj=57.0km s-min=39.3km az=171.0.
IDC X 28 13 12 47.7–13 31.09S 179.25W 0 4.2,4.1b
¶12071331
IDC Error ellipse: s-maj=233.0km s-min=39.3km az=84.0.
IDC X 29 03 48 30.7–3.3 28.75S 177.83W 0 4.1,3.8b
¶12071420
IDC Error ellipse: s-maj=125.4km s-min=48.1km az=22.0.

ISC X 30 22 59 06.1–1.6 31.3S–.10 179.4E–.40 354–21 19 6-162
IDC X 30 22 59 00.8–5.6 31.13S 179.92W 365–50 3.2,3.0 **¶12071683**
IDC Error ellipse: s-maj=60.0km s-min=35.7km az=43.0.
IDC X 30 23 40 57.6–6.8 27.65S 177.78W 0 3.7,3.5
¶12071689
IDC Error ellipse: s-maj=277.5km s-min=107.4km az=161.0.
ISC X 31 06 28 48.2–1.1 31.92S–.08 178.5W–.20 35 4.3b 17 6-161
IDC X 31 06 28 42.2–3.1 31.65S 178.38W 0 4.6,4.4L **¶12071713**
IDC Error ellipse: s-maj=67.8km s-min=40.2km az=45.0.
ISC X 31 19 15 58.0–4.5 29.95S–.06 177.0W–.10 10–27 4.6b,4.0s 46 1-163
IDC X 31 19 15 56.9–.85 29.69S 177.02W 0 4.5,4.4 **¶13398766**
ISCJB X 31 19 15 58.7–3.9 30.04S–.06 177.1W–.10 22–25 4.6b,4.0s
NEIC X 31 19 15 58.4–7.4 29.81S 177.03W 11–42 4.8b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=20.7km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=10.3km az=175.4.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=11.9km az=66.0.
ISC XI 01 16 06 30.1–1.1 31.7S–.10 178.0W–.20 35 4.1b 15 8-152
IDC XI 01 16 06 22.7–1.3 31.97S 177.66W 0 4.3,4.1b **¶12071870**
NEIC XI 01 16 06 27.8–.80 32.11S 177.67W 35 4.7b,4.1b
ISCJB XI 01 16 06 28.0–1.1 31.8S–.10 178.0W–.20 33 4.1b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 02 02 38 06.6–7.2 30.92S 179.88W 419–78 3.2,3.1
¶12071942
IDC Error ellipse: s-maj=77.9km s-min=34.1km az=14.0.
ISC XI 02 19 48 40.9–2.0 29.18S–.10 175.8W–.20 76–17 4.2b 35 2-164
IDC XI 02 19 48 32.2–.69 28.60S 175.85W 0 4.3,4.2b **¶12072023**
ISCJB XI 02 19 48 40.2–2.1 29.1S–.10 175.9W–.20 79–17 4.2b,4.2b
NEIC XI 02 19 48 41.6–1.9 28.63S 176.03W 69–15 4.9b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=20.4km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=16.7km az=14.2.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=15.6km az=107.0.
ISC XI 02 21 11 11.7–.51 31.50S–.04 177.85W–.10 35 4.5b 67 2-162
IDC XI 02 21 11 06.5–.61 31.41S 177.75W 0 4.6,4.4b **¶13399040**
NEIC XI 02 21 11 07.0–2.7 31.43S 177.72W 6–16 4.7b,4.4b
ISCJB XI 02 21 11 09.8–.51 31.54S–.05 177.9W–.10 33 4.5b,4.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 02 21 35 03.9–5.2 29.80S 176.53W 0 3.9,3.6b
¶12072034
IDC Error ellipse: s-maj=250.0km s-min=46.6km az=157.0.
IDC XI 02 22 04 26.7–5.5 28.74S 177.12W 0 3.7,3.5b
¶12072037
IDC Error ellipse: s-maj=257.3km s-min=85.8km az=163.0.
IDC XI 02 22 26 21.5–5.5 30.59S 179.00W 0 4.0,3.8b
¶12072041
IDC Error ellipse: s-maj=214.3km s-min=52.0km az=152.0.
ISC XI 02 23 49 54.4–.75 30.06S–.06 176.57W–.09 10 4.1b,3.6s 22 1-152
ISCJB XI 02 23 49 52.6–.76 30.18S–.06 176.56W–.08 10 4.1b,3.6s **¶12072053**
NEIC XI 02 23 49 54.6–.55 29.97S 176.55W 10 4.3b,3.6s
IDC XI 02 23 49 54.0–2.0 30.13S 176.65W 0 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=8.2km az=157.3.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=10.6km az=177.0.
IDC Error ellipse: s-maj=55.2km s-min=29.6km az=131.0.
ISC XI 05 01 09 24.6–.43 31.36S–.04 179.52E–.06 452–5 4.6b 138 3-171
ISCJB XI 05 01 09 23.5–.45 31.38S–.04 179.49E–.06 452–5 4.6b **¶13399268**
BJI XI 05 01 09 23.6 31.21S 179.63E 455 5.2b,5.0b
NEIC XI 05 01 09 24.4–.45 31.23S 179.50E 452–5 4.7b,5.0b
IDC XI 05 01 09 26.4–.54 31.18S 179.38E 464–5 4.2,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.2km az=22.5.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.0km az=146.0.
IDC Error ellipse: s-maj=13.3km s-min=10.7km az=173.0.
IDC XI 05 09 05 20.3–5.4 28.43S 176.74W 0 4.0,3.8b
¶12072365
IDC Error ellipse: s-maj=175.0km s-min=85.1km az=153.0.
IDC XI 06 10 30 35.0–36 29.38S 179.32W 519–356 3.2,3.0b
¶12072517
IDC Error ellipse: s-maj=218.9km s-min=103.7km az=89.0.
IDC XI 06 19 56 23.8–5.3 28.92S 177.14W 0 3.7,3.5b
¶12072567
IDC Error ellipse: s-maj=248.6km s-min=84.1km az=164.0.
IDC XI 06 22 57 27.9–7.1 27.46S 177.55W 0 3.6,3.5
¶12072591
IDC Error ellipse: s-maj=303.8km s-min=110.2km az=161.0.
ISC XI 08 01 30 58.3–1.9 29.8S–.10 177.0W–.20 35 4.3b,3.8s 17 1-163
IDC XI 08 01 30 53.0–1.7 29.72S 176.92W 0 4.2b,4.2 **¶12072778**
NEIC XI 08 01 30 53.1–9.8 29.76S 176.81W 6–55 4.5b,4.2
ISCJB XI 08 01 30 56.1–1.9 29.9S–.10 177.0W–.20 33 4.3b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 09 00 37 53.6–7.2 30.44S 176.94W 0 3.7,3.5b
¶12072895
IDC Error ellipse: s-maj=303.8km s-min=57.9km az=155.0.
IDC XI 09 02 00 28.1–.99 28.56S 177.67W 0 4.3,4.2b
¶12072906
IDC Error ellipse: s-maj=32.8km s-min=29.8km az=39.0.
IDC XI 10 11 04 30.5–7.4 30.74S 179.00E 532–375 2.8,2.7
¶12073060
IDC Error ellipse: s-maj=486.3km s-min=99.4km az=117.0.
ISC XI 11 12 11 51.1–1.0 28.09S–.09 178.1W–.20 35 4.2b 12 1-143
IDC XI 11 12 11 45.2–4.9 29.34S 177.71W 0 4.0,3.8b **¶12073170**
ISCJB XI 11 12 11 48.1–1.2 27.97S–.08 177.9W–.20 33 4.2b,3.8b
NEIC XI 11 12 11 55.4–4.9 28.69S 178.12W 67–59 4.2b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=184.1km s-min=76.4km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=28.6km s-min=10.3km az=169.1.
NEIC Event type se. Error ellipse: s-maj=130.9km s-min=20.5km az=166.0.
IDC XI 14 04 45 35.1–3.5 28.21S 177.70W 0 4.0,3.8b
¶12073487
IDC Error ellipse: s-maj=127.7km s-min=48.0km az=23.0.
IDC XI 15 21 32 22.5–15 30.49S 179.73E 650–169 3.1,3.0b
¶12073668
IDC Error ellipse: s-maj=133.1km s-min=30.5km az=57.0.
ISC XI 16 06 48 18.0–2.6 31.2S–.10 178.3W–.20 77–21 3.7b 15 7-146
IDC XI 16 06 48 05.3–2.9 30.73S 177.80W 0 4.0,3.8b **¶12073710**
IDC Error ellipse: s-maj=66.7km s-min=34.9km az=115.0.
IDC XI 16 17 29 46.6–9.6 28.24S 179.74W 425–189 3.0,3.0
¶12073768
IDC Error ellipse: s-maj=224.8km s-min=83.5km az=99.0.
IDC XI 19 00 24 59.4–2.1 31.17S 178.43W 0 3.8,3.7b
¶12074081
IDC Error ellipse: s-maj=61.8km s-min=36.1km az=44.0.
IDC XI 19 15 50 35.0–5.6 27.90S 178.96W 0 3.7,3.5
¶12074157
IDC Error ellipse: s-maj=107.1km s-min=53.1km az=75.0.
IDC XI 20 19 16 38.7–9.2 30.06S 179.70W 444–99 3.0,2.8
¶12074304
IDC Error ellipse: s-maj=91.4km s-min=49.1km az=25.0.
ISC XI 21 21 42 28.2–2.4 31.7S–.10 179.1W–.20 135–20 3.5b 17 6-146
IDC XI 21 21 42 21.6–9.7 31.12S 178.80W 90–93 3.7,3.5 **¶12074439**
IDC Error ellipse: s-maj=77.0km s-min=54.0km az=169.0.
ISC XI 22 08 58 16.3–1.8 31.8S–.10 179.5W–.20 228–17 3.8b 28 7-146
IDC XI 22 08 58 05.1–7.7 31.00S 179.10W 132–61 3.9,3.8b **¶12074486**
IDC Error ellipse: s-maj=58.7km s-min=30.6km az=44.0.

IDC XI 23 11 04 07.0–6.1 27.25S 178.33W 0 3.9,3.8
¶12074584
IDC Error ellipse: s-maj=116.9km s-min=56.1km az=77.0.
ISC XI 27 05 28 44.9–.72 31.52S–.06 179.8W–.20 399–8 3.6b 102 6-162
NEIC XI 27 05 28 41.9–1.4 31.24S 179.69W 364–14 4.6b **¶12074997**
IDC XI 27 05 28 45.5–2.0 31.43S 179.91W 394–20 3.6,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=13.5km az=97.0.
IDC Error ellipse: s-maj=24.9km s-min=16.2km az=173.0.
IDC XI 27 19 20 44.5–6.7 31.09S 179.60W 0 3.8,3.6
¶12075067
IDC Error ellipse: s-maj=270.1km s-min=60.4km az=157.0.
ISC XI 28 01 17 14.2–1.4 31.5S–.10 178.4W–.20 35 4.0b 6 8-146
IDC XI 28 01 17 08.0–3.0 31.53S 178.26W 0 4.3,4.1b **¶12075095**
IDC Error ellipse: s-maj=67.8km s-min=35.9km az=112.0.
ISC XI 29 12 46 56.6–1.3 30.43S–.05 177.0W–.20 35 4.7b,3.8s 58 1-163
ISCJB XI 29 12 46 55.4–1.4 30.48S–.05 177.1W–.20 33 4.7b,3.8s **¶12075254**
NEIC XI 29 12 46 55.5–2.2 30.18S 177.44W 8–12 5.0b,3.8s
IDC XI 29 12 46 55.1–.65 29.91S 177.61W 0 4.8,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.7km s-min=5.8km az=7.8.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=9.4km az=111.0.
IDC Error ellipse: s-maj=25.5km s-min=21.0km az=110.0.
NEIC XI 30 01 42 39.1–2.6 28.31S 178.25W 191–34
IDC XI 30 01 42 12.2–3.3 29.27S 177.41W 0 3.8,3.6 **¶12075301**
NEIC Event type se. Error ellipse: s-maj=126.6km s-min=21.3km az=168.0.
IDC Error ellipse: s-maj=217.4km s-min=37.4km az=161.0.
ISC XI 30 23 02 10.4–.97 28.96S–.08 177.6W–.10 77–6 4.2b 32 0-164
IDC XI 30 23 01 59.8–.65 28.54S 177.48W 0 4.5,4.3b **¶13401588**
NEIC XI 30 23 02 08.9–1.1 28.75S 177.53W 70–9 4.4b,4.3b
ISCJB XI 30 23 02 09.9–.85 29.01S–.08 177.7W–.10 85–5 4.2b,4.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 01 21 04 34.4–.95 31.58S–.10 179.9E–.20 374–14 3.4b 17 3-150
ISCJB XII 01 21 04 33.7–.93 31.50S–.09 180.0E–.20 392–14 3.5b **¶12075452**
IDC XII 01 21 04 34.2–3.8 31.45S 179.99E 389–35 3.6,3.5b
NEIC XII 01 21 04 34.9–.87 31.47S 179.88W 401–10 3.4b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.2km s-min=12.5km az=15.3.
IDC Error ellipse: s-maj=36.5km s-min=18.8km az=41.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=15.0km az=107.0.
ISC XII 02 10 32 46.6–1.2 30.9S–.10 179.2W–.50 352–19 35 2-152
NEIC XII 02 10 32 48.0–.89 30.58S 179.58W 337–14 3.8b **¶12075493**
IDC XII 02 10 32 52.7–7.7 31.14S 179.57W 384–80 3.2,3.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.8km s-min=19.1km az=118.0.
IDC Error ellipse: s-maj=86.1km s-min=46.9km az=14.0.
ISC XII 02 14 41 08.6–1.5 31.01S–.09 176.7W–.30 100 3.8b 24 8-146
IDC XII 02 14 41 02.8–3.3 30.35S 177.61W 0 4.1,3.9b **¶12075512**
IDC Error ellipse: s-maj=72.6km s-min=45.7km az=117.0.
ISC XII 02 21 51 58.4–4.1 31.6S–.20 177.5W–.60 35 4.0b,3.6s 13 8-162
IDC XII 02 21 51 56.2–1.3 31.46S 177.89W 0 4.2,4.0 **¶12075551**
NEIC XII 02 21 52 01.3–.76 31.57S 177.85W 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=34.9km az=180.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=14.1km az=130.0.
IDC XII 03 17 39 28.9–3.3 31.57S 178.27W 0 3.9,3.7b
¶12075625
IDC Error ellipse: s-maj=71.9km s-min=47.0km az=113.0.
ISC XII 05 23 09 59.7–2.5 30.00S–.06 176.90W–.10 1–14 4.3b 34 1-163
IDC XII 05 23 09 59.9–.83 30.01S 176.89W 0 4.3,4.2b **¶12075940**
ISCJB XII 05 23 10 00.8–2.1 30.05S–.05 176.97W–.10 20–13 4.2b,4.2b
NEIC XII 05 23 10 05.0–.64 30.00S 177.00W 35 4.3b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=21.1km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.1km az=16.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.6km az=98.0.
ISC XII 06 06 21 49.2–.28 27.59S–.05 176.68W–.06 35 5.2s,5.0b 138 2-175
IDC XII 06 06 21 43.2–.54 27.40S 176.74W 0 5.2s,5.2 **¶13402055**
BJI XII 06 06 21 47.4 27.84S 175.95W 50 5.6b,5.4s
ISCJB XII 06 06 21 47.3–.28 27.59S–.05 176.74W–.06 33 5.2s,5.0b
MOS XII 06 06 21 47.5–1.6 27.49S 176.72W 33 5.1s,5.0b
NEIC XII 06 06 21 48.2–.34 27.83S 176.63W 35 5.7W,5.2s
GCMT XII 06 06 21 51.2–.10 27.40S 176.25W 22–0 5.6W,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=18.0km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=40.5.
MOS Error ellipse: s-maj=12.9km s-min=11.7km az=87.8.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.1km az=138.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=196, per= 50. Moment Tensor Solution. s88,c154; s43,c47; Moment tensor: Scale 10^{17}Nm; M_{rr}2.30±.04 $M_{\theta\theta}$0.40±.03; $M_{\phi\phi}$-2.70±.03; $M_{r\theta}$0.56±.07; $M_{\theta\phi}$-0.37±.02; $M_{\phi r}$1.70±.06; Best double couple: NP1:ϕ_s178.00000°,δ28.00000°,λ75.00000°. NP2:ϕ_s14.00000°,δ63.00000°,λ98.00000°. Principal axes: T 2.9000,Plg71.0000°,Azm302.0000°; N 0.4000,Plg7.0000°,Azm191.0000° ; P -3.3000,Plg17.0000°,Azm98.0000° $M_0$3.10000×10^{17}
IDC XII 06 22 11 22.9–5.2 28.58S 177.32W 0 3.8,3.7b
¶12076072
IDC Error ellipse: s-maj=182.6km s-min=80.9km az=154.0.
IDC XII 07 03 08 56.1–9.9 30.70S 179.21W 285–105 3.0,2.9
¶12076101
IDC Error ellipse: s-maj=95.9km s-min=43.0km az=2.0.
IDC XII 07 04 27 48.5–7.4 31.75S 178.98E 518–99 3.0,2.9
¶12076110
IDC Error ellipse: s-maj=122.4km s-min=40.0km az=5.0.
ISC XII 07 06 37 09.6–3.6 31.9S–.20 178.7W–.30 39–27 4.1b 11 7-153
IDC XII 07 06 37 01.1–1.6 31.61S 178.35W 0 4.3L,4.3 **¶12076125**
IDC Error ellipse: s-maj=41.3km s-min=31.7km az=60.0.
IDC XII 08 05 09 40.5–3.5 28.29S 177.69W 0 4.1,3.8b
¶12076300
IDC Error ellipse: s-maj=128.9km s-min=43.6km az=23.0.
ISC XII 09 06 24 01.0–.07 31.27S–.02 176.85W–.02 26 6.7s,6.2b 1149 2-176
BJI XII 09 06 23 57.5 30.51S 176.37W 12 6.9b,6.6s **¶13402310**
IDC XII 09 06 23 57.4–.30 30.98S 176.86W 0 6.6s,6.6
ISCJB XII 09 06 23 59.2–.07 31.31S–.02 176.90W–.02 25 6.7s,6.2b
NEIC XII 09 06 23 59.8–.09 31.23S 176.92W 18 6.8W,6.7s
MOS XII 09 06 24 00.9–.90 30.88S 176.95W 26 6.6s,6.4b
GCMT XII 09 06 24 07.0–.00 31.03S 176.54W 19–0 6.7W,6.4b
DJA XII 09 06 24 11 30.95S 177.00W 102 6.7W,6.4b
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=11.6km az=17.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=1.6km az=44.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=2.0km az=124.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s57 Moment tensor: Scale 10^{18}Nm; M_{rr}-9.97 $M_{\theta\theta}$2.36 $M_{\phi\phi}$7.61 $M_{r\theta}$-0.25 $M_{\theta\phi}$-1.14 $M_{\phi r}$0.38 Best double couple: NP1:ϕ_s167.00000°,δ46.00000°,λ-91.00000°. NP2: ϕ_s349.00000°,δ44.00000°,λ-89.00000°. Principal axes: T 7.8600,Plg1.0000°,Azm258.0000° ; N 2.1300,Plg0.0000°,Azm168.0000°; P -9.9800,Plg88.0000°,Azm48.0000° $M_0$9.10000×10^{18} Moment Tensor Solution. $M_0$2.80000×10^{19}
MOS Error ellipse: s-maj=8.5km s-min=6.3km az=87.8.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 110 sta. Surface waves: sta=121, comp=281, per= 50. Moment Tensor Solution. s117,c278; s99,c256; Moment tensor: Scale 10^{19}Nm; M_{rr}-1.29±.01 $M_{\theta\theta}$-0.23±.01; $M_{\phi\phi}$1.52±.01; $M_{r\theta}$-0.19±.01; $M_{\theta\phi}$0.08 $M_{\phi r}$-0.35±.01; Best double couple: NP1:ϕ_s174.00000°,δ38.00000° ,λ-104.00000°. NP2:ϕ_s11.00000°,δ53.00000°,λ-79.00000°. Principal axes: T 1.5700,Plg7.0000°,Azm93.0000°; N -0.2100,Plg8.0000°,Azm184.0000° ; P -1.3600,Plg79.0000°,Azm323.0000° $M_0$1.50000×10^{19}
IDC XII 09 06 41 45.3–1.8 30.95S 176.95W 0 4.1,3.9b
¶12076484
IDC Error ellipse: s-maj=44.4km s-min=43.2km az=15.0.
IDC XII 09 07 13 50.3–3.0 31.17S 176.86W 0 4.1,3.9

¶12076486

IDC Error ellipse: s-maj=73.7km s-min=36.2km az=120.0.
ISC XII 09 07 27 34.1–1.0 31.64S–.06 177.2W–.20 35 4.0b 47 7-162
IDC XII 09 07 27 26.1–1.8 31.06S 176.74W 0 3.9b,3.9 ¶12076488
NEIC XII 09 07 27 28.0–1.3 31.47S 176.80W 10 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=54.0km s-min=29.3km az=33.0.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=17.4km az=91.0.
ISC XII 09 08 12 37.7–.75 31.61S–.05 176.7W–.10 35 4.3b 55 3-162
IDC XII 09 08 12 33.5–.88 31.06S 176.77W 0 4.5,4.2b ¶12076492
NEIC XII 09 08 12 34.8–.72 31.19S 176.81W 10 4.8b,4.2b
ISCJB XII 09 08 12 35.4–.75 31.69S–.06 176.6W–.10 33 4.3b,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 09 09 16 38.4–.69 31.38S–.09 176.8W–.10 35 4.4b 30 8-162
IDC XII 09 09 16 32.7–.76 31.09S 176.70W 0 4.6,4.4b ¶13402318
NEIC XII 09 09 16 34.3–.68 31.31S 176.74W 10 4.7b,4.4b
ISCJB XII 09 09 16 36.8–.70 31.48S–.08 176.9W–.10 33 4.4b,4.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 09 09 48 38.6–2.1 31.8S–.10 176.7W–.10 54–19 4.4b 43 8-161
IDC XII 09 09 48 32.8–.81 31.06S 176.78W 0 4.6,4.4b ¶13402321
NEIC XII 09 09 48 33.5–.71 31.51S 176.74W 10 4.5b,4.4b
ISCJB XII 09 09 48 37.4–2.2 31.85S–.09 176.7W–.10 59–19 4.4b,4.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 09 10 56 00.6–1.7 31.03S–.09 177.2W–.30 35 4.2b 19 9-162
IDC XII 09 10 55 53.2–1.3 30.70S 176.85W 0 4.4,4.3b ¶12076527
NEIC XII 09 10 55 54.1–1.0 31.10S 176.79W 10 4.1b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=29.4km az=28.0.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=16.2km az=106.0.
ISC XII 09 11 22 05.8–1.7 31.78S–.09 176.3W–.20 82–18 4.1b 41 8-147
IDC XII 09 11 21 59.4–2.9 31.43S 176.72W 0 4.3,4.1b ¶12076531
NEIC XII 09 11 22 00.1–2.1 31.43S 176.61W 10 4.3b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=33.3km az=114.0.
NEIC Event type se. Error ellipse: s-maj=43.4km s-min=18.3km az=99.0.
IDC XII 09 11 34 48.8–3.3 31.49S 176.74W 0 4.0,3.9
¶12076533
IDC Error ellipse: s-maj=78.1km s-min=35.1km az=114.0.
IDC XII 09 12 02 42.6–39 31.00S 175.89W 0 3.9,3.8
¶12076536
IDC Error ellipse: s-maj=709.7km s-min=62.6km az=92.0.
NEIC XII 09 12 04 29.4–1.8 31.70S 176.47W 10 4.1b
IDC XII 09 12 04 30.7–2.6 31.58S 176.83W 0 4.1,4.0 ¶12076538
NEIC Event type se. Error ellipse: s-maj=37.4km s-min=19.4km az=107.0.
IDC Error ellipse: s-maj=64.2km s-min=44.9km az=135.0.
IDC XII 09 14 08 49.6–5.0 31.00S 176.72W 0 4.0,3.9b
¶12076554
IDC Error ellipse: s-maj=194.5km s-min=56.5km az=159.0.
ISC XII 09 15 48 43.3–2.9 31.73S–.10 178.0W–.40 35 3.6b 17 7-44
IDC XII 09 15 48 35.3–14 31.52S 177.57W 0 3.9,3.8s ¶12076561
IDC Error ellipse: s-maj=256.0km s-min=43.6km az=94.0.
ISC XII 09 15 56 24.1–.72 31.0S–.20 176.8W–.10 35 4.4b,4.1s 28 2-162
IDC XII 09 15 56 18.3–.70 31.05S 176.65W 0 4.6,4.4 ¶13402340
NEIC XII 09 15 56 19.9–.65 30.74S 176.72W 10 4.4b,4.4
ISCJB XII 09 15 56 22.2–.73 31.1S–.20 176.8W–.10 33 4.4b,4.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 09 16 11 12.8–3.1 31.43S 176.77W 0 4.1,4.0
¶12076567
IDC Error ellipse: s-maj=75.5km s-min=34.2km az=115.0.
IDC XII 09 17 43 47.0–5.0 31.22S 176.56W 0 3.9,3.8b
¶12076579
IDC Error ellipse: s-maj=209.6km s-min=52.5km az=160.0.
ISC XII 09 17 51 15.9–.48 31.13S–.07 176.64W–.09 35 4.4b,4.3s 47 2-162
NEIC XII 09 17 51 11.1–.47 31.27S 176.62W 10 4.6b,4.3s ¶13402350
ISCJB XII 09 17 51 14.2–.50 31.19S–.07 176.72W–.09 33 4.4b,4.3s
IDC XII 09 17 51 16.0–.55 30.95S 176.68W 32–3 4.4,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.2km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.7km az=32.2.
IDC Error ellipse: s-maj=23.2km s-min=17.2km az=159.0.
ISC XII 09 18 17 12.2–.98 31.4S–.10 177.0W–.20 35 4.2b 24 2-153
IDC XII 09 18 17 05.2–1.3 31.29S 176.66W 0 4.4,4.2b ¶12076585
NEIC XII 09 18 17 06.6–.97 31.20S 176.77W 10 4.3b,4.2b
ISCJB XII 09 18 17 10.2–.96 31.3S–.10 177.0W–.20 33 4.2b,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 09 18 18 35.3–1.2 31.3S–.10 176.8W–.20 35 4.5b 24 2-162
IDC XII 09 18 18 30.5–1.0 31.00S 176.75W 0 4.5,4.3b ¶12076586
NEIC XII 09 18 18 31.8–.67 31.11S 176.89W 10 5.0b,4.3b
ISCJB XII 09 18 18 33.3–1.2 31.3S–.10 176.9W–.20 33 4.5b,4.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 10 00 18 03.5–1.9 31.32S 176.97W 0 4.2,4.1L
¶12076639
IDC Error ellipse: s-maj=53.0km s-min=34.3km az=112.0.
ISC XII 10 02 57 58.3–1.1 31.7S–.20 180.0E–.40 458–30 3.2b 43 7-152
IDC XII 10 02 56 59.5–4.2 32.05S 177.80W 0 3.9,3.7b ¶12076658
IDC Error ellipse: s-maj=225.1km s-min=49.2km az=163.0.
ISC XII 10 03 24 03.6–.79 31.13S–.08 177.1W–.10 35 4.5s,4.4b 25 2-162
IDC XII 10 03 23 57.9–.83 30.84S 176.94W 0 4.5s,4.5 ¶12076661
NEIC XII 10 03 23 58.8–.51 31.01S 176.90W 10 4.5b,4.5
ISCJB XII 10 03 24 01.9–.80 31.23S–.08 177.1W–.10 33 4.5s,4.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 10 03 41 00.6–3.5 31.4S–.10 176.3W–.50 35 4.2b 14 3-162
IDC XII 10 03 40 59.8–1.8 31.20S 176.93W 0 4.2,4.1b ¶12076663
NEIC XII 10 03 41 00.6–1.1 31.08S 176.90W 10 4.0b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=40.3km s-min=35.8km az=113.0.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=15.0km az=90.0.
ISC XII 10 08 32 56.5–2.0 31.35S–.06 176.7W–.10 12–13 4.3b,3.8s 58 2-162
ISCJB XII 10 08 32 53.9–1.7 31.41S–.06 176.7W–.10 6–12 4.3b,3.8s ¶13402382
IDC XII 10 08 32 55.0–.69 30.86S 176.64W 0 4.5,4.3
NEIC XII 10 08 32 56.2–.55 31.02S 176.72W 10 4.5,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=7.4km az=18.5.
IDC Error ellipse: s-maj=28.4km s-min=21.2km az=5.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.9km az=105.0.
IDC XII 10 08 59 06.9–2.8 30.97S 176.69W 0 4.2,4.0b
¶12076701
IDC Error ellipse: s-maj=67.4km s-min=43.4km az=131.0.
ISC XII 10 10 35 24.9–.73 31.61S–.06 179.69W–.07 247–8 4.6b 137 6-167
BJI XII 10 10 35 14.4 32.14S 177.23W 296 5.1b,5.0b ¶11653427
ISCJB XII 10 10 35 23.6–.72 31.57S–.06 179.68W–.07 249–7 4.6b,5.0b
MOS XII 10 10 35 28.4–1.7 31.37S 179.82W 287 4.8b,5.0b
IDC XII 10 10 35 30.5–.79 31.30S 179.71W 301–6 4.2,4.2
NEIC XII 10 10 35 30.7–.27 31.34S 179.71W 306 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=8.2km az=140.6.
MOS Error ellipse: s-maj=14.7km s-min=12.4km az=111.6.

IDC Error ellipse: s-maj=12.5km s-min=9.7km az=146.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.9km az=139.0.
ISC XII 10 11 38 44.7–5.3 31.42S–.10 176.6W–.20 4–33 4.0b 21 9-162
IDC XII 10 11 38 44.0–1.1 31.00S 176.68W 0 4.2,4.0b ¶12076734
ISCJB XII 10 11 38 44.6–4.5 31.48S–.09 176.7W–.20 12–28 4.0b,4.0b
NEIC XII 10 11 38 45.2–.90 31.44S 176.53W 10 4.1b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=34.6km s-min=26.1km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=26.6km s-min=12.5km az=24.4.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=15.5km az=119.0.
ISC XII 10 13 04 38.3–1.4 31.1S–.10 176.7W–.20 35 4.1b 21 9-162
IDC XII 10 13 04 33.2–1.2 30.97S 176.66W 0 4.3,4.1 ¶12076743
NEIC XII 10 13 04 34.1–1.1 30.95S 176.51W 10 4.2b,4.1
ISCJB XII 10 13 04 36.2–1.3 31.25S–.10 176.7W–.20 33 4.1b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 10 13 11 49.1–3.7 31.5S–.20 176.2W–.60 35 3.5b 10 9-147
IDC XII 10 13 11 48.0–3.2 31.34S 176.85W 0 4.0L,3.9 ¶12076744
NEIC XII 10 13 11 48.5–2.2 31.36S 176.69W 10 4.0L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=75.3km s-min=34.4km az=113.0.
NEIC Event type se. Error ellipse: s-maj=54.1km s-min=20.1km az=105.0.
IDC XII 10 14 06 47.8–7.6 30.52S 176.97W 0 4.2s,4.2
¶12076751
IDC Error ellipse: s-maj=316.5km s-min=61.2km az=155.0.
IDC XII 10 14 53 21.6–3.1 31.37S 176.70W 0 3.8,3.7
¶12076755
IDC Error ellipse: s-maj=77.6km s-min=36.5km az=121.0.
IDC XII 10 14 57 05.0–3.1 31.18S 176.82W 0 3.8,3.6
¶12076756
IDC Error ellipse: s-maj=77.8km s-min=36.5km az=119.0.
IDC XII 10 17 31 36.1–3.2 31.17S 176.66W 0 3.9,3.7b
¶12076774
IDC Error ellipse: s-maj=76.6km s-min=37.0km az=119.0.
ISC XII 10 17 38 05.3–1.5 31.55S–.05 176.0W–.20 35 3.8b 26 3-162
ISCJB XII 10 17 38 03.8–1.5 31.64S–.05 176.1W–.20 33 3.8b ¶12076775
IDC XII 10 17 38 06.2–1.9 31.28S 176.96W 0 4.0,3.9L
NEIC XII 10 17 38 07.5–1.4 31.46S 176.83W 10 3.9b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=7.7km az=2.7.
IDC Error ellipse: s-maj=44.2km s-min=33.7km az=117.0.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=13.7km az=95.0.
ISC XII 10 19 19 48.9–1.1 31.3S–.10 179.6W–.20 401–13 2.7b 20 7-145
IDC XII 10 19 19 47.2–4.8 31.07S 179.67W 371–68 2.9,2.8 ¶12076784
IDC Error ellipse: s-maj=77.9km s-min=17.5km az=161.0.
IDC XII 11 06 49 55.0–3.0 31.23S 176.50W 0 4.1,4.0
¶12076859
IDC Error ellipse: s-maj=67.4km s-min=36.3km az=122.0.
IDC XII 11 15 11 17.8–3.3 31.14S 176.81W 0 3.9,3.7
¶12076942
IDC Error ellipse: s-maj=77.9km s-min=37.5km az=117.0.
IDC XII 11 15 18 48.8–3.2 31.26S 176.85W 0 3.9,3.7
¶12076943
IDC Error ellipse: s-maj=77.3km s-min=37.0km az=118.0.
IDC XII 11 16 01 24.8–7.2 30.60S 176.92W 0 3.9,3.7b
¶12076945
IDC Error ellipse: s-maj=305.1km s-min=55.0km az=155.0.
ISC XII 11 16 40 35.4–3.2 31.32S–.05 176.75W–.09 4–19 4.8b,4.4s 93 2-162
ISCJB XII 11 16 40 34.9–2.8 31.38S–.05 176.81W–.09 10–16 4.8b,4.4s ¶13402497
BJI XII 11 16 40 34.9 31.29S 176.97W 10 5.4b,5.3s
IDC XII 11 16 40 34.9–.54 30.96S 176.70W 0 4.7,4.6
NEIC XII 11 16 40 36.0–.39 31.04S 176.65W 10 4.8b,4.6
MOS XII 11 16 40 39.1–1.3 31.03S 176.85W 33 5.2b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=7.1km az=22.7.
IDC Error ellipse: s-maj=23.3km s-min=17.9km az=173.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.3km az=142.0.
MOS Error ellipse: s-maj=19.8km s-min=13.4km az=37.7.
ISC XII 11 16 46 10.2–1.7 31.02S–.09 177.2W–.30 35 3.7b 9 2-162
IDC XII 11 16 46 04.0–1.3 30.92S 176.94W 0 3.9,3.7b ¶12076951
NEIC XII 11 16 46 05.2–.77 31.08S 176.99W 10 4.3b,3.7b
ISCJB XII 11 16 46 08.1–1.7 31.12S–.09 177.2W–.30 33 3.7b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 11 16 49 31.9–4.7 31.12S–.08 176.9W–.10 11–30 4.2b 24 2-162
ISCJB XII 11 16 49 29.3–4.4 31.20S–.08 177.0W–.10 3–28 4.2b ¶12076952
IDC XII 11 16 49 30.1–.90 30.95S 176.76W 0 4.3,4.2b
NEIC XII 11 16 49 31.4–.74 31.09S 176.79W 10 4.5b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=12.9km az=11.5.
IDC Error ellipse: s-maj=30.8km s-min=24.9km az=4.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=13.6km az=95.0.
ISC XII 11 18 36 59.6–3.8 31.7S–.10 177.0W–.60 35 4.1b 15 3-150
IDC XII 11 18 36 51.7–2.1 31.58S 176.53W 0 4.2,4.1L ¶12076970
NEIC XII 11 18 36 56.7–2.3 31.75S 176.53W 37–15 4.1b,4.1L
ISCJB XII 11 18 36 57.9–4.2 31.8S–.10 177.0W–.60 33 4.1b,4.1L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 11 19 00 36.8–.94 31.73S–.07 176.9W–.10 35 4.0b 40 3-161
IDC XII 11 19 00 30.6–1.2 31.52S 176.72W 0 4.4L,4.3 ¶12076975
NEIC XII 11 19 00 31.9–.82 31.43S 176.73W 10 4.1b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=24.2km az=144.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=13.9km az=109.0.
IDC XII 11 22 21 37.0–1.8 31.23S 176.89W 0 4.0,3.9b
¶12077017
IDC Error ellipse: s-maj=38.5km s-min=35.6km az=110.0.
ISC XII 12 00 47 20.8–4.5 31.15S–.05 177.0W–.10 15–27 4.2b,3.9s 31 2-162
IDC XII 12 00 47 17.7–.98 31.18S 176.75W 0 4.4,4.2 ¶13402532
NEIC XII 12 00 47 19.5–.51 31.11S 176.87W 10 4.4b,4.2
ISCJB XII 12 00 47 22.1–.60 31.20S–.05 177.1W–.10 33 4.2b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 12 06 38 06.4–4.5 31.46S–.09 176.6W–.20 26–31 4.1b 21 3-162
IDC XII 12 06 38 03.2–1.1 31.32S 176.64W 0 4.2,4.1b ¶12077065
NEIC XII 12 06 38 04.2–.96 31.52S 176.61W 10 4.4b,4.1b
ISCJB XII 12 06 38 05.7–1.4 31.52S–.09 176.6W–.20 33 4.1b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 12 10 46 17.1–2.5 31.26S–.04 176.81W–.08 4–15 4.9b,4.1s 119 2-163
IDC XII 12 10 46 16.3–.56 30.96S 176.77W 0 4.8,4.7 ¶13402552
BJI XII 12 10 46 16.6 30.46S 176.20W 10 5.5b,5.4b
ISCJB XII 12 10 46 17.4–2.5 31.40S–.05 176.77W–.09 18–17 4.9b,4.1s
NEIC XII 12 10 46 17.7–.27 31.11S 176.80W 10 5.1b,4.1s
MOS XII 12 10 46 21.4–.99 30.87S 176.93W 33 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=18.1km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=6.9km az=26.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.6km az=121.0.
MOS Error ellipse: s-maj=17.0km s-min=12.2km az=131.0.
ISC XII 12 11 28 14.2–1.6 31.16S–.08 177.3W–.30 35 4.2b 20 2-162
IDC XII 12 11 28 08.5–1.2 31.19S 177.19W 0 4.3,4.2 ¶12077120
NEIC XII 12 11 28 09.5–.76 31.09S 177.10W 10 4.5b,4.2
ISCJB XII 12 11 28 12.2–1.5 31.24S–.08 177.4W–.30 33 4.2b,4.2
ISC Event type se.
NEIC Event type se.

ISCJB Event type se.
ISC XII 12 11 55 33.1–.15 31.36S–.04 176.83W–.05 35 5.2b,4.2s 247 2-163
BJI XII 12 11 55 27.0 30.78S 176.72W 2 5.6b,5.4b ¶13402557
IDC XII 12 11 55 28.1–.49 30.95S 176.75W 0 4.9,4.8
NEIC XII 12 11 55 29.6–.24 31.07S 176.81W 10 5.1b,4.8
ISCJB XII 12 11 55 31.1–.15 31.43S–.04 176.85W–.05 33 5.2b,4.2s
GCMT XII 12 11 55 31.1–.40 30.89S 176.25W 12 5.0W,4.2s
MOS XII 12 11 55 33.1–1.1 30.86S 176.90W 33 5.3b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=19.0km az=17.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=7.1km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.1km az=42.5.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s16,c20; s55,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.31±.11 $M_{\theta\theta}$0.21±.12; $M_{\phi\phi}$2.10±.10; $M_{r\theta}$1.22±.41; $M_{\theta\phi}$1.06±.08; $M_{\theta r}$-2.53±.34; Best double couple: NP1:ϕ_s225.00000°,δ30.00000°,λ-41.00000°. NP2:ϕ_s352.00000°,δ71.00000°,λ-114.00000°. Principal axes: T 3.3300,Plg22.0000° ,Azm100.0000°; N 0.7000,Plg22.0000°,Azm1.0000°; P -4.0300,Plg58.0000°,Azm230.0000° M_o3.70000×10^{16}
MOS Error ellipse: s-maj=15.6km s-min=10.1km az=125.2.
IDC XII 12 14 09 45.5–3.4 31.03S 176.86W 0 3.7,3.6
¶12077136

IDC Error ellipse: s-maj=80.9km s-min=47.7km az=120.0.
ISC XII 12 15 44 59.3–.74 31.05S–.04 177.2W–.10 35 4.3b 37 2-152
IDC XII 12 15 44 52.3–1.4 31.18S 176.70W 0 4.4,4.2 ¶12077142
NEIC XII 12 15 44 54.3–.78 31.02S 176.85W 10 4.4b,4.2
ISCJB XII 12 15 44 57.5–.74 31.13S–.04 177.2W–.10 33 4.3b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 12 15 58 19.3–.55 31.62S–.04 176.8W–.10 35 4.5b,4.2s 89 3-162
IDC XII 12 15 58 14.9–.57 31.06S 176.73W 0 4.6,4.6 ¶13402567
ISCJB XII 12 15 58 17.0–.55 31.65S–.04 176.7W–.10 33 4.5b,4.2s
NEIC XII 12 15 58 16.2–.41 31.01S 176.74W 10 4.6b,4.2s
GCMT XII 12 15 58 20.0–.30 31.07S 176.54W 12 5.0W,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=18.7km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=4.9km az=19.8.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.6km az=103.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s33,c48; s76,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.72±.08 $M_{\theta\theta}$2.21±.09; $M_{\phi\phi}$1.51±.08; $M_{r\theta}$0.87±.30; $M_{\theta\phi}$1.21±.07; $M_{\theta r}$0.28±.35; Best double couple: NP1:ϕ_s50.00000°,δ38.00000°,λ-96.00000°. NP2:ϕ_s237.00000°,δ52.00000°,λ-85.00000°. Principal axes: T 3.2300,Plg7.0000° ,Azm324.0000°; N 0.6200,Plg4.0000°,Azm54.0000°; P -3.8500,Plg82.0000°,Azm172.0000° M_o3.50000×10^{16}
ISC XII 12 17 30 56.4–1.2 31.16S–.07 177.0W–.20 35 4.1b 21 2-162
IDC XII 12 17 30 51.8–1.9 31.28S 176.90W 0 4.1,4.1L ¶12077153
NEIC XII 12 17 30 52.4–1.5 31.20S 176.87W 10 4.4b,4.1L
ISCJB XII 12 17 30 54.8–1.2 31.26S–.07 177.1W–.20 33 4.1b,4.1L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 12 17 52 29.8–1.8 31.22S 176.78W 0 4.2,3.9
¶12077156

IDC Error ellipse: s-maj=44.6km s-min=35.6km az=121.0.
ISC XII 12 21 20 19.0–5.5 31.7S–.20 176.0W–.80 35 4.1b 15 3-147
IDC XII 12 21 20 20.5–2.8 31.32S 176.93W 0 4.2,4.1 ¶12077193
NEIC XII 12 21 20 21.0–1.8 31.59S 176.86W 10 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=64.5km s-min=34.9km az=122.0.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=16.8km az=101.0.
ISC XII 12 21 55 29.4–2.7 31.14S–.06 176.8W–.30 35 4.1b,3.2s 18 2-150
IDC XII 12 21 55 26.9–2.1 31.17S 177.02W 0 4.2,4.1 ¶12077196
NEIC XII 12 21 55 27.7–1.4 31.17S 177.01W 10 4.2,4.1
ISC Event type se.
IDC Error ellipse: s-maj=51.0km s-min=29.2km az=126.0.
NEIC Event type se. Error ellipse: s-maj=31.5km s-min=12.2km az=100.0.
ISC XII 13 02 28 25.4–.95 28.7S–.10 178.3W–.30 270–10 2.9b 12 1-164
IDC XII 13 02 28 18.2–6.4 28.19S 178.29W 198–57 3.4,3.3 ¶12077230
ISCJB XII 13 02 28 24.3–.97 28.6S–.10 178.4W–.30 270–10 2.9b,3.3
NEIC XII 13 02 28 25.5–1.1 28.58S 178.41W 269–11 2.9b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=45.7km s-min=30.0km az=11.0.
ISCJB Event type se. Error ellipse: s-maj=39.6km s-min=15.2km az=22.6.
NEIC Event type se. Error ellipse: s-maj=33.1km s-min=22.5km az=133.0.
IDC XII 13 04 19 01.4–3.0 31.32S 176.78W 0 4.0,3.8
¶12077235

IDC Error ellipse: s-maj=75.6km s-min=36.3km az=121.0.
ISC XII 13 08 27 40.9–1.2 31.20S–.09 177.0W–.20 35 4.4b 26 9-152
IDC XII 13 08 27 33.6–1.0 30.89S 176.70W 0 4.5,4.4 ¶12077262
NEIC XII 13 08 27 35.1–.69 31.03S 176.75W 10 4.4b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=27.1km az=15.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=13.5km az=105.0.
IDC XII 13 14 27 43.0–3.1 31.07S 176.72W 0 3.9,3.7b
¶12077305

IDC Error ellipse: s-maj=75.1km s-min=36.6km az=119.0.
ISC XII 13 16 12 53.4–3.7 31.4S–.10 176.0W–.50 35 4.1b 17 3-147
IDC XII 13 16 12 52.3–2.8 31.32S 176.51W 0 4.1,4.0 ¶12077312
NEIC XII 13 16 12 52.9–2.7 31.21S 176.51W 10 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=67.8km s-min=32.7km az=120.0.
NEIC Event type se. Error ellipse: s-maj=53.6km s-min=15.9km az=93.0.
IDC XII 13 17 50 25.3–3.1 31.28S 177.15W 0 4.0,3.9
¶12077320

IDC Error ellipse: s-maj=72.6km s-min=36.3km az=119.0.
IDC XII 13 17 54 48.3–7.6 30.85S 176.98W 0 3.6,3.5
¶12077321

IDC Error ellipse: s-maj=326.4km s-min=57.9km az=156.0.
IDC XII 14 00 58 00.5–1.5 31.28S 176.75W 0 4.1,4.0b
¶12077364

IDC Error ellipse: s-maj=40.6km s-min=31.8km az=140.0.
ISC XII 14 06 44 40.5–1.0 31.14S–.08 177.2W–.20 35 3.9b 15 2-162
IDC XII 14 06 44 33.7–1.7 31.17S 176.90W 0 4.0,3.9b ¶12077407
NEIC XII 14 06 44 33.9–6.6 31.20S 176.79W 6–39 4.1b,3.9b
ISCJB XII 14 06 44 39.1–1.0 31.22S–.07 177.3W–.20 33 3.9b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 14 19 32 53.7–2.9 31.45S–.07 177.4W–.30 15–24 4.6b 32 2-162
ISCJB XII 14 19 32 51.3–2.5 31.51S–.08 177.5W–.30 15–25 4.6b ¶11653473
IDC XII 14 19 32 52.7–1.1 31.33S 177.53W 0 4.7,4.6b
NEIC XII 14 19 32 53.7–1.1 31.27S 177.34W 10 4.7,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=47.0km s-min=7.3km az=12.8.
IDC Error ellipse: s-maj=38.5km s-min=28.6km az=157.0.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=18.7km az=117.0.
IDC XII 14 23 58 36.6–3.5 31.22S 176.96W 0 4.2,4.1b
¶12077501

IDC Error ellipse: s-maj=77.1km s-min=37.6km az=116.0.
ISC XII 15 11 07 52.7–.49 31.23S–.06 176.69W–.09 35 4.7b,3.9s 57 2-162
IDC XII 15 11 07 47.4–.60 30.94S 176.60W 0 4.7,4.6 ¶13402850
NEIC XII 15 11 07 47.6–.39 31.39S 176.54W 10 4.9b,4.6
ISCJB XII 15 11 07 50.6–.52 31.35S–.06 176.72W–.09 33 4.7b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 15 11 28 23.1–2.0 30.98S 176.86W 0 3.9,3.8
¶12077596

IDC Error ellipse: s-maj=70.6km s-min=41.3km az=12.0.
IDC XII 15 15 16 06.9–3.2 31.11S 177.44W 0 4.1,4.0
¶12077619

IDC Error ellipse: s-maj=68.5km s-min=47.0km az=118.0.
IDC XII 15 15 20 18.7–3.2 31.29S 176.33W 0 4.1,4.0
¶12077620

IDC Error ellipse: s-maj=67.4km s-min=42.1km az=115.0.
IDC XII 15 18 26 51.3–3.3 31.81S 177.42W 0 3.9,3.7b
¶12077641

IDC Error ellipse: s-maj=77.4km s-min=47.7km az=124.0.
IDC XII 15 19 50 17.6–4.6 30.83S 176.85W 0 3.8,3.6b
¶12077652

IDC Error ellipse: s-maj=180.2km s-min=51.5km az=159.0.
ISC XII 15 21 21 13.2–4.8 31.01S–.06 176.9W–.10 2–29 4.4b 34 2-162
IDC XII 15 21 21 12.7–.71 30.91S 176.74W 0 4.7,4.5 ¶13402886
NEIC XII 15 21 21 14.0–.53 31.02S 176.82W 10 4.5b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=22.3km az=38.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.6km az=84.0.
IDC XII 16 03 47 37.3–1.2 30.69S 176.71W 0 4.3,4.1
¶11593842

IDC Error ellipse: s-maj=39.7km s-min=29.7km az=178.0.
ISC XII 16 20 18 55.9–.58 31.55S–.08 176.9W–.10 35 4.4b 39 2-162
IDC XII 16 20 18 51.3–.91 31.32S 176.85W 0 4.5,4.3b ¶11593848
NEIC XII 16 20 18 52.3–.52 31.39S 176.98W 10 4.7b,4.3b
ISCJB XII 16 20 18 54.5–.71 31.61S–.08 177.0W–.10 33 4.5b,4.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 16 20 31 59.8–.46 31.52S–.04 176.91W–.09 35 5.0b,4.2s 122 2-163
BJI XII 16 20 31 52.7 30.98S 176.39W 6 5.6b,5.2s ¶11508117
NEIC XII 16 20 31 55.2–.43 31.28S 176.85W 10 5.1b,4.8s
IDC XII 16 20 31 55.1–.56 31.16S 176.95W 0 4.8,4.7
ISCJB XII 16 20 31 58.0–.46 31.57S–.05 176.93W–.09 33 5.0b,4.2s
MOS XII 16 20 31 59.5–2.3 31.02S 177.08W 33 5.2b,4.2s
SZGRF XII 16 20 32 02.1 30.77S 177.45W 33 5.2b,4.2s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.7km az=116.0.
IDC Error ellipse: s-maj=19.9km s-min=18.1km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=5.6km az=19.6.
MOS Error ellipse: s-maj=14.0km s-min=10.6km az=116.9.
SZGRF Kermadec Islands, New Zealand.
IDC XII 16 20 42 32.7–2.3 30.94S 176.74W 0 4.0,3.8
¶12077801

IDC Error ellipse: s-maj=71.6km s-min=36.3km az=138.0.
ISC XII 17 02 00 01.2–1.4 31.16S–.10 177.0W–.20 35 4.1b 17 2-162
IDC XII 17 01 59 56.0–1.1 31.18S 176.95W 0 4.4,4.1b ¶11593849
NEIC XII 17 01 59 57.2–.86 31.10S 176.94W 10 4.2b,4.1b
ISCJB XII 17 01 59 59.3–1.4 31.26S–.10 177.0W–.20 33 4.1b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 17 03 25 21.4–3.4 31.19S 176.90W 0 3.9,3.7
¶12077846

IDC Error ellipse: s-maj=78.8km s-min=37.9km az=116.0.
IDC XII 17 04 00 52.7–3.1 31.20S 177.02W 0 4.1,3.9
¶12077853

IDC Error ellipse: s-maj=73.7km s-min=36.2km az=118.0.
ISC XII 18 04 23 55.6–1.3 31.4S–.10 177.0W–.20 35 4.1b,3.7s 20 8-162
IDC XII 18 04 23 49.9–1.3 31.47S 176.95W 0 4.3,4.1 ¶11593856
NEIC XII 18 04 23 51.2–1.1 31.57S 176.89W 10 4.3b,4.1
ISCJB XII 18 04 23 53.3–1.3 31.5S–.10 177.0W–.20 33 4.1b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 18 04 27 38.3–2.0 31.21S 176.74W 0 4.2,4.1b
¶13403107

IDC Error ellipse: s-maj=46.8km s-min=41.5km az=16.0.
ISC XII 18 04 29 15.5–1.3 30.42S–.07 179.3W–.40 368–17 3.6b 45 7-163
NEIC XII 18 04 29 08.8–1.6 29.95S 179.02W 311–15 4.4b ¶12078013
IDC XII 18 04 29 09.0–2.8 29.95S 179.03W 312–22 3.7,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=14.2km az=92.0.
IDC Error ellipse: s-maj=29.0km s-min=24.8km az=30.0.
IDC XII 18 05 28 38.1–1.7 31.35S 176.68W 0 4.3,4.1
¶12078015

IDC Error ellipse: s-maj=48.2km s-min=26.6km az=137.0.
NEIC XII 18 07 42 60.0–1.8 31.44S 177.03W 10 4.2b
IDC XII 18 07 42 59.2–2.6 31.41S 177.11W 0 4.3,4.2b ¶12078025
NEIC Event type se. Error ellipse: s-maj=34.3km s-min=16.1km az=84.0.
IDC Error ellipse: s-maj=49.4km s-min=34.7km az=72.0.
ISC XII 18 12 53 44.0–.60 31.25S–.06 176.92W–.10 35 4.6b,3.9s 48 2-162
IDC XII 18 12 53 38.0–.63 30.90S 176.81W 0 4.7,4.5 ¶13403142
NEIC XII 18 12 53 39.0–.48 31.13S 176.83W 10 4.8b,4.5
ISCJB XII 18 12 53 42.4–.60 31.33S–.06 176.99W–.10 33 4.6b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 18 23 42 08.8–3.1 31.10S 176.76W 0 3.9,3.7
¶12078120

IDC Error ellipse: s-maj=79.9km s-min=45.5km az=125.0.
ISC XII 19 07 55 08.4–5.0 31.2S–.20 177.8W–.30 77–38 4.0b 13 8-162
IDC XII 19 07 54 54.5–1.7 30.71S 177.19W 0 4.3,4.2 ¶12078164
NEIC XII 19 07 54 55.5–1.1 30.66S 177.09W 10 3.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=51.0km s-min=29.1km az=35.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=19.4km az=70.0.
ISC XII 19 13 06 49.9–3.3 31.29S–.07 176.6W–.50 4–36 4.5b,3.9s 33 2-154
IDC XII 19 13 06 51.6–1.3 31.32S 176.87W 0 4.5b,4.5 ¶11593863
NEIC XII 19 13 06 54.3–.92 30.75S 176.98W 10 4.5b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=24.9km az=138.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=18.4km az=52.0.
ISC XII 20 06 10 31.8–2.1 31.55S–.04 177.66W–.07 30–14 4.9b,4.6s 137 2-170
BJI XII 20 06 10 27.8 30.43S 177.16W 5 5.6b,5.4s ¶13403432
IDC XII 20 06 10 27.2–.55 31.08S 177.80W 0 4.7,4.7
ISCJB XII 20 06 10 30.5–2.1 31.66S–.04 177.67W–.07 33–13 4.9b,4.6s
GCMT XII 20 06 10 32.5–.30 31.07S 177.37W 19–1 5.0W,4.6s
MOS XII 20 06 10 32.0–1.4 31.04S 177.84W 33 5.1b,4.6s
NEIC XII 20 06 10 33.3–1.3 31.05S 177.79W 39–10 4.9b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=16.6km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.1km az=20.3.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s29,c36; s60,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}2.46±.19 $M_{\theta\theta}$0.25±.13; $M_{\phi\phi}$-2.71±.13; $M_{r\theta}$-0.34±.34; $M_{\theta\phi}$-0.84±.09; $M_{\theta r}$2.85±.31; Best double couple: NP1:ϕ_s213.00000°,δ25.00000°,λ122.00000°. NP2:ϕ_s359.00000°,δ69.00000°,λ76.00000°. Principal axes: T 3.8400,Plg63.0000° ,Azm246.0000°; N 0.2200,Plg13.0000°,Azm4.0000°; P -4.0700,Plg23.0000°,Azm99.0000° M_o4.00000×10^{16}
MOS Error ellipse: s-maj=14.6km s-min=10.3km az=95.2.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.3km az=134.0.
IDC XII 20 15 00 33.8–35 31.24S 175.69W 0 3.8,3.7
¶12078340

IDC Error ellipse: s-maj=641.0km s-min=64.7km az=93.0.
IDC XII 20 15 47 49.5–1.7 31.23S 176.77W 0 4.3,4.1
¶12078345

IDC Error ellipse: s-maj=47.6km s-min=26.9km az=136.0.
IDC XII 20 16 28 27.4–2.8 31.27S 176.71W 0 4.2,4.1
¶12078351

IDC Error ellipse: s-maj=67.9km s-min=32.5km az=119.0.
ISC XII 20 22 40 07.9–.45 31.17S–.06 177.21W–.09 35 4.8b 53 2-162
IDC XII 20 22 40 01.1–.56 31.09S 176.96W 0 4.8,4.6b ¶11514987
NEIC XII 20 22 40 02.8–.47 31.25S 177.18W 10 5.0b,4.6b
ISCJB XII 20 22 40 06.0–.44 31.25S–.06 177.28W–.09 33 4.8b,4.6b

BJI XII 20 22 40 16.9 30.39S 178.72W 36 5.5s,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=20.3km az=19.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.3km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=8.4km az=22.2.
IDC XII 21 14 28 51.4–1.8 31.45S 176.68W 0 4.1,3.9b
¶12078469

IDC Error ellipse: s-maj=35.4km s-min=10.8km az=109.0.
ISC XII 21 18 39 38.2–1.6 32.0S–.20 179.5E–.50 454–45 2.9b 29 6-146
IDC XII 21 18 39 36.7–7.8 31.87S 179.76E 457–98 3.0,2.9 ¶12078484
IDC Error ellipse: s-maj=108.5km s-min=41.3km az=7.0.
IDC XII 21 22 13 24.8–7.1 31.36S 177.42W 0 3.9,3.7
¶12078497

IDC Error ellipse: s-maj=312.9km s-min=55.7km az=157.0.
ISC XII 21 23 39 15.9–.84 31.44S–.06 176.5W–.10 35 4.6b,3.9s 51 2-162
IDC XII 21 23 39 11.9–.72 30.93S 176.69W 0 4.7,4.6 ¶13403612
NEIC XII 21 23 39 12.9–.42 30.98S 176.62W 10 4.5b,4.6
ISCJB XII 21 23 39 13.7–.84 31.48S–.06 176.5W–.10 33 4.6b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 22 02 07 49.5–2.8 31.66S 179.31W 0 4.1,3.9b
¶12078509

IDC Error ellipse: s-maj=63.1km s-min=44.4km az=115.0.
ISC XII 22 04 01 54.1–4.3 30.55S–.05 176.7W–.10 5–26 4.4b 34 2-163
ISCJB XII 22 04 01 52.7–3.4 30.65S–.05 176.8W–.10 5–21 4.4b ¶13403629
IDC XII 22 04 01 52.8–.72 30.44S 176.60W 0 4.6,4.4
NEIC XII 22 04 01 54.1–.37 30.50S 176.61W 10 4.3b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=8.6km az=172.9.
IDC Error ellipse: s-maj=28.3km s-min=21.8km az=138.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=9.4km az=72.0.
ISC XII 22 06 06 10.9–.42 30.69S–.04 176.63W–.08 35 4.9b,3.9s 86 2-167
BJI XII 22 06 05 59.9 30.60S 175.60W 10 5.7b,5.3b ¶13403633
IDC XII 22 06 06 06.0–.53 30.27S 176.64W 0 5.0,4.8
NEIC XII 22 06 06 07.1–.35 30.48S 176.65W 10 5.0b,4.8
ISCJB XII 22 06 06 09.1–.42 30.73S–.04 176.69W–.08 33 4.9b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
NEIC XII 22 13 32 50.9–2.0 31.49S 176.79W 10 3.9b
IDC XII 22 13 32 50.5–3.2 31.41S 176.94W 0 4.1,4.0 ¶12078566
NEIC Event type se. Error ellipse: s-maj=42.1km s-min=15.5km az=98.0.
IDC Error ellipse: s-maj=71.8km s-min=34.8km az=114.0.
IDC XII 22 13 38 41.5–2.0 31.78S 178.24W 0 4.1,3.8
¶12078567

IDC Error ellipse: s-maj=72.7km s-min=46.2km az=9.0.
IDC XII 22 15 07 08.7–3.1 31.59S 177.73W 0 4.3,4.1b
¶12078574

IDC Error ellipse: s-maj=70.6km s-min=36.5km az=115.0.
IDC XII 22 19 57 39.0–38 30.49S 175.73W 0 3.8,3.6b
¶12078592

IDC Error ellipse: s-maj=705.1km s-min=179.8km az=99.0.
ISC XII 23 03 30 32.4–.58 30.48S–.05 176.78W–.09 35 4.6b,3.9s 48 2-163
IDC XII 23 03 30 26.9–.65 30.27S 176.64W 0 4.8,4.6b ¶13403713
ISCJB XII 23 03 30 30.6–.58 30.58S–.05 176.84W–.09 33 4.6b,3.9s
NEIC XII 23 03 30 31.9–4.3 30.27S 176.72W 33–28 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=20.0km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.9km az=177.7.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.4km az=130.0.
ISC XII 23 03 47 29.8–4.6 30.51S–.06 176.8W–.10 10–28 4.3b,3.5s 34 2-163
IDC XII 23 03 47 28.0–.79 30.24S 176.63W 0 4.5,4.4 ¶13403715
ISCJB XII 23 03 47 29.8–3.6 30.59S–.05 176.9W–.10 15–22 4.3b,3.5s
NEIC XII 23 03 47 32.5–.60 30.58S 176.58W 35 4.2b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=23.1km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=8.8km az=174.7.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=13.4km az=95.0.
IDC XII 23 04 34 16.0–2.4 29.57S 176.86W 0 4.4,4.2
¶11613267

IDC Error ellipse: s-maj=148.9km s-min=36.7km az=160.0.
ISC XII 23 07 32 15.2–1.4 30.57S–.06 176.6W–.20 35 4.2b 19 2-152
IDC XII 23 07 32 09.9–1.6 30.72S 176.33W 0 4.4,4.3b ¶11613268
ISCJB XII 23 07 32 13.5–1.4 30.66S–.06 176.6W–.20 33 4.2b,4.3b
NEIC XII 23 07 32 15.4–1.1 30.63S 176.60W 35 4.2b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=56.2km s-min=24.8km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=7.9km az=178.1.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=14.1km az=105.0.
ISC XII 25 09 00 08.5–1.5 31.45S–.04 177.9W–.10 0–12 4.7b 98 2-166
ISCJB XII 25 09 00 07.0–1.3 31.53S–.04 177.9W–.10 2–10 4.7b ¶13403935
IDC XII 25 09 00 09.4–.77 30.93S 178.04W 0 4.8,4.7b
NEIC XII 25 09 00 17.9–1.2 30.95S 178.08W 64–10 4.9b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=5.6km az=6.9.
IDC Error ellipse: s-maj=29.7km s-min=21.4km az=165.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.3km az=128.0.
IDC XII 26 04 43 34.9–1.3 27.10S 177.64W 0 3.7,3.5
¶12078996

IDC Error ellipse: s-maj=59.5km s-min=40.0km az=170.0.
ISC XII 26 07 52 00.8–1.0 31.34S–.07 176.5W–.20 35 4.1b 37 2-162
IDC XII 26 07 51 57.5–.94 30.91S 176.70W 0 4.3,4.2b ¶13404036
ISCJB XII 26 07 51 58.9–.99 31.44S–.07 176.6W–.20 33 4.1b,4.2b
NEIC XII 26 07 52 02.4–.82 31.10S 176.72W 35 4.4b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=25.5km az=178.0.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=7.2km az=20.7.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=14.7km az=116.0.
IDC XII 26 08 06 24.9–2.8 31.37S 177.78W 0 4.3s,4.3
¶12079020

IDC Error ellipse: s-maj=64.9km s-min=42.5km az=131.0.
ISC XII 26 15 37 30.5–.78 31.5S–.10 179.2E–.40 352–30 3.1b 55 3-151
NEIC XII 26 15 37 28.9–.88 31.54S 179.87E 389–12 4.7b ¶13404068
IDC XII 26 15 37 28.6–2.5 31.55S 179.80E 382–22 3.2,3.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=14.3km az=118.0.
IDC Error ellipse: s-maj=34.2km s-min=29.6km az=128.0.
IDC XII 27 12 35 37.3–3.4 30.24S 176.94W 0 3.8,3.7
¶12079170

IDC Error ellipse: s-maj=78.5km s-min=47.5km az=117.0.
ISC XII 27 13 48 06.6–1.3 28.27S–.07 176.5W–.10 58–15 4.1b,3.6s 30 11-165
IDC XII 27 13 48 02.0–.94 27.91S 176.83W 0 4.6L,4.4 ¶13404159
NEIC XII 27 13 48 06.0–1.4 28.39S 176.64W 37–13 4.4b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=23.4km az=166.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=12.5km az=147.0.
IDC XII 27 17 48 38.5–3.1 30.77S 176.53W 0 3.8,3.6b
¶12079197

IDC Error ellipse: s-maj=78.9km s-min=45.0km az=127.0.
IDC XII 27 20 34 26.2–3.2 31.27S 176.73W 0 3.9,3.8b
¶12079212

IDC Error ellipse: s-maj=77.0km s-min=36.9km az=120.0.
ISC XII 27 23 21 30.6–1.1 30.45S–.04 176.8W–.10 35 4.1b 22 2-163
IDC XII 27 23 21 24.9–.98 30.22S 176.58W 0 4.4,4.2b ¶12079224
ISCJB XII 27 23 21 28.9–1.1 30.55S–.04 176.8W–.10 33 4.1b,4.2b
NEIC XII 27 23 21 30.1–.57 30.28S 176.58W 35 4.1b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=26.7km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=6.2km az=2.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=12.0km az=86.0.

ISC XII 28 05 00 39.9–1.7 30.9S–.10 179.7W–.40 385–20 3.6b 35 7-162
NEIC XII 28 05 00 30.4–3.3 30.18S 179.20W 318–27 3.8b ¶12079241
IDC XII 28 05 00 32.6–6.1 30.23S 179.31W 331–53 3.4,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=37.0km s-min=18.1km az=52.0.
IDC Error ellipse: s-maj=59.0km s-min=25.3km az=30.0.
ISC XII 28 14 29 46.1–1.2 31.34S–.08 180.0E–.20 454–17 3.9b 49 6-150
NEIC XII 28 14 29 44.3–1.7 31.18S 179.79W 453–16 4.2b ¶13404243
IDC XII 28 14 29 45.6–5.0 31.25S 179.95W 455–57 3.6,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=16.0km az=54.0.
IDC Error ellipse: s-maj=54.1km s-min=28.4km az=15.0.
IDC XII 29 03 48 31.0–9.1 31.57S 176.56W 63–73 3.8,3.6
¶12079345

IDC Error ellipse: s-maj=60.2km s-min=44.7km az=41.0.
IDC XII 29 15 52 57.7–3.5 30.65S 176.42W 0 4.0,3.9
¶12079412

IDC Error ellipse: s-maj=80.4km s-min=38.3km az=118.0.
IDC XII 29 16 04 37.9–3.4 30.58S 176.66W 0 4.0,3.9
¶12079414

IDC Error ellipse: s-maj=78.4km s-min=38.1km az=117.0.
ISC XII 29 19 04 20.7–.76 30.48S–.05 179.2W–.10 188–8 4.0b 37 2-163
ISCJB XII 29 19 04 19.8–.75 30.47S–.05 179.3W–.10 194–8 3.8b ¶12079435
NEIC XII 29 19 04 22.0–.81 30.25S 178.90W 224–8 4.5b
IDC XII 29 19 04 24.2–4.2 30.11S 178.97W 241–33 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=8.1km az=9.4.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=12.0km az=107.0.
IDC Error ellipse: s-maj=36.2km s-min=26.1km az=157.0.
ISC XII 29 19 41 04.6–4.9 30.5S–.10 176.9W–.70 35 4.0b 14 1-152
IDC XII 29 19 40 58.2–2.4 30.33S 176.67W 0 4.1,4.0 ¶12079440
NEIC XII 29 19 41 03.2–1.4 30.43S 176.72W 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=71.7km s-min=38.0km az=138.0.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=15.6km az=93.0.
ISC XII 31 19 41 18.2–3.0 31.4S–.10 176.6W–.50 35 3.9b 9 8-146
IDC XII 31 19 41 13.0–4.8 31.53S 176.55W 0 4.1,3.9b ¶12079691
IDC Error ellipse: s-maj=195.8km s-min=53.4km az=161.0.

(178) Kermadec Islands.
IDC VII 01 08 06 54.4–.79 30.30S 177.63W 0 4.3,4.2
¶12697913

IDC Error ellipse: s-maj=26.9km s-min=19.8km az=92.0.
ISC VII 10 23 50 15.6–.71 30.93S–.05 178.0W–.10 35 4.5b,3.5s 38 2-152
IDC VII 10 23 50 09.3–.98 30.98S 177.80W 0 4.6,4.5 ¶13388703
ISCJB VII 10 23 50 13.8–.69 31.00S–.05 178.1W–.10 33 4.4b,3.5s
NEIC VII 10 23 50 13.1–3.2 30.91S 177.85W 23–21 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=18.5km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=6.5km az=12.9.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.4km az=109.0.
ISC VII 15 13 12 58.6–1.8 30.0S–.10 178.0W–.30 69–12 4.4b 15 1-145
IDC VII 15 13 12 56.1–3.2 30.25S 177.89W 44–36 3.8,3.7b ¶11811654
ISCJB VII 15 13 12 57.1–1.8 30.1S–.10 178.0W–.30 68–14 4.4b,3.7b
NEIC VII 15 13 13 00.1–1.0 29.66S 178.14W 78–15 4.7b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=30.4km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=41.4km s-min=18.9km az=22.8.
NEIC Event type se. Error ellipse: s-maj=32.8km s-min=22.1km az=216.0.
IDC VII 16 12 14 36.9–5.5 29.37S 178.25W 0 3.7,3.5
¶12698248

IDC Error ellipse: s-maj=282.8km s-min=82.8km az=165.0.
IDC VII 16 17 45 48.3–11 30.58S 178.81W 218–122 3.3,3.1
¶12698257

IDC Error ellipse: s-maj=108.6km s-min=44.0km az=0.0.
IDC VII 19 17 42 48.6–8.6 30.06S 177.42W 33–57 3.8,3.6b
¶12698327

IDC Error ellipse: s-maj=56.1km s-min=34.5km az=108.0.
ISC VII 23 02 18 16.9–.46 30.78S–.04 177.53W–.09 35 4.8b,4.4s 69 2-163
ISCJB VII 23 02 18 14.7–.49 30.88S–.04 177.54W–.10 33 4.8b,4.4s ¶11153585
MOS VII 23 02 18 16.7–1.1 30.27S 177.72W 37 5.0b,4.4s
IDC VII 23 02 18 18.4–.53 30.30S 177.71W 42–4 4.5L,4.3
NEIC VII 23 02 18 19.5–1.2 30.22S 177.69W 53–9 5.0b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=4.3km az=21.2.
MOS Error ellipse: s-maj=18.0km s-min=14.9km az=80.2.
IDC Error ellipse: s-maj=19.9km s-min=7.4km az=84.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.9km az=135.0.
IDC VII 23 18 16 20.1–1.7 30.22S 177.39W 0 3.7s,3.7
¶12698408

IDC Error ellipse: s-maj=42.9km s-min=23.9km az=84.0.
ISC VII 25 12 13 37.6–1.2 29.05S–.10 178.9W–.50 285–21 3.2b 19 1-150
IDC VII 25 12 13 36.0–2.8 28.29S 178.79W 276–49 3.3,3.1b ¶12698431
IDC Error ellipse: s-maj=179.5km s-min=29.2km az=166.0.
ISC VII 26 19 27 45.6–.62 30.50S–.07 177.6W–.10 35 4.7b,3.8s 33 9-166
IDC VII 26 19 27 40.4–.92 30.40S 177.66W 0 4.7,4.6 ¶11153789
ISCJB VII 26 19 27 43.8–.62 30.56S–.07 177.7W–.10 33 4.7b,3.8s
NEIC VII 26 19 27 43.5–5.4 30.49S 177.63W 22–37 4.8b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=19.9km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=8.2km az=23.9.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=13.9km az=192.0.
ISC VII 28 13 57 28.6–1.4 30.3S–.10 178.2W–.30 295–17 3.3b 26 8-145
IDC VII 28 13 57 24.0–7.8 29.85S 178.44W 236–82 3.4,3.3 ¶12698467
IDC Error ellipse: s-maj=66.1km s-min=38.2km az=167.0.
ISC VII 31 07 03 08.6–5.0 31.0S–.30 178.7W–.40 54–33 4.5b 13 8-162
IDC VII 31 07 02 58.8–1.7 30.69S 178.21W 0 4.5b,4.5 ¶11812994
ISCJB VII 31 07 03 07.0–5.5 31.0S–.20 178.6W–.40 59–39 4.5b,4.5
NEIC VII 31 07 03 06.5–4.1 30.86S 178.36W 51–31 4.8b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=29.5km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=61.7km s-min=26.1km az=151.8.
NEIC Event type se. Error ellipse: s-maj=40.7km s-min=21.0km az=53.0.
ISC VIII 04 23 36 50.8–4.8 30.56S–.07 177.6W–.10 11–29 4.6b 29 9-153
IDC VIII 04 23 36 48.8–1.1 30.50S 177.50W 0 4.4b,4.4 ¶11907775
ISCJB VIII 04 23 36 52.5–.72 30.65S–.07 177.7W–.10 33 4.6b,4.4
NEIC VIII 04 23 36 53.9–.38 30.58S 177.56W 35 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=26.3km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=8.9km az=16.8.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.0km az=114.0.
IDC VIII 10 07 09 24.2–8.0 30.68S 177.50W 0 3.7,3.5b
¶12581005

IDC Error ellipse: s-maj=422.6km s-min=50.9km az=157.0.
IDC VIII 18 04 59 10.7–4.3 30.88S 178.18W 0 4.1,3.8b
¶12581165

IDC Error ellipse: s-maj=255.7km s-min=73.6km az=169.0.
IDC VIII 19 23 01 19.2–5.1 30.48S 178.73W 33–7 3.8,3.6b
¶12581217

IDC Error ellipse: s-maj=210.7km s-min=40.9km az=156.0.
IDC VIII 19 23 04 23.6–4.7 30.38S 178.41W 35–7 4.0,3.7b
¶12581218

IDC Error ellipse: s-maj=189.7km s-min=38.9km az=155.0.
IDC VIII 21 16 49 35.5–3.6 29.37S 178.07W 0 4.1,3.8b
¶13392271

IDC Error ellipse: s-maj=132.2km s-min=44.4km az=153.0.
ISC VIII 23 15 28 37.8–2.4 30.70S–.09 177.6W–.40 35 3.6b 14 8-146
IDC VIII 23 15 28 35.1–2.9 30.49S 177.93W 0 3.9,3.7b ¶12581322
IDC Error ellipse: s-maj=68.6km s-min=41.9km az=124.0.
IDC VIII 26 17 33 10.9–1.6 29.31S 177.92W 0 4.0,3.9b
¶12581439

IDC Error ellipse: s-maj=42.4km s-min=32.1km az=51.0.
ISC VIII 29 04 00 42.2–.60 30.85S–.08 177.6W–.10 35 4.2b,4.0s 18 9-162
IDC VIII 29 04 00 36.1–.61 30.65S 177.55W 0 4.4,4.3b ¶13392875
ISCJB VIII 29 04 00 40.3–.60 30.94S–.08 177.7W–.10 33 4.2b,4.0s
NEIC VIII 29 04 00 42.3–.53 30.77S 177.56W 35 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=18.8km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=9.6km az=29.2.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=13.8km az=148.0.
ISC VIII 30 14 28 11.0–3.7 30.9S–.20 179.0W–.30 206–27 3.9b 19 8-162
IDC VIII 30 14 28 04.7–7.2 30.63S 178.81W 152–55 3.9,3.8b ¶12581570
IDC Error ellipse: s-maj=53.0km s-min=21.4km az=45.0.
IDC IX 02 22 03 13.2–4.4 29.89S 178.16W 0 3.9,3.8b
¶11909320
IDC Error ellipse: s-maj=199.3km s-min=67.0km az=161.0.
IDC IX 03 18 48 23.4–4.1 30.03S 177.74W 0 3.9,3.7b
¶11909389
IDC Error ellipse: s-maj=190.7km s-min=62.4km az=161.0.
IDC IX 05 01 41 23.7–2.8 30.11S 178.19W 0 4.2,4.0b
¶11909503
IDC Error ellipse: s-maj=80.8km s-min=34.9km az=40.0.
IDC IX 07 01 00 04.8–4.1 30.37S 177.65W 0 4.0,3.9
¶11909666
IDC Error ellipse: s-maj=144.6km s-min=47.5km az=153.0.
IDC IX 07 01 23 19.4–7.0 30.50S 177.74W 0 3.8,3.5b
¶11909669
IDC Error ellipse: s-maj=294.1km s-min=53.6km az=156.0.
IDC IX 08 20 43 13.3–6.4 30.52S 177.93W 0 4.0,3.7b
¶11909840
IDC Error ellipse: s-maj=256.7km s-min=59.3km az=155.0.
IDC IX 09 01 28 09.2–5.3 29.09S 178.46W 0 4.1,3.9b
¶11909858
IDC Error ellipse: s-maj=197.9km s-min=82.8km az=158.0.
IDC IX 09 06 09 19.9–2.4 30.28S 178.41W 0 4.4,4.3
¶11909863
IDC Error ellipse: s-maj=69.6km s-min=28.0km az=35.0.
IDC IX 14 10 13 45.8–7.2 30.56S 178.28W 0 3.8,3.6
¶11910249
IDC Error ellipse: s-maj=293.3km s-min=59.8km az=156.0.
IDC IX 14 15 04 30.4–5.2 30.34S 178.29W 0 4.1,4.0
¶11910270
IDC Error ellipse: s-maj=185.8km s-min=56.0km az=150.0.
ISC IX 21 21 55 25.3–4.2 30.9S–.10 177.1W–.70 35 4.1b 10 9-154
IDC IX 21 21 55 22.7–1.6 30.91S 177.44W 0 4.3,4.2L ¶11910792
NEIC IX 21 21 55 24.1–1.4 31.02S 176.54W 54–13 4.2b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=49.2km s-min=28.6km az=139.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=11.4km az=112.0.
IDC IX 21 22 23 34.2–7.4 30.45S 178.65W 0 3.6,3.5
¶11910794
IDC Error ellipse: s-maj=309.0km s-min=57.5km az=156.0.
IDC IX 21 23 02 14.3–2.8 30.76S 177.90W 0 4.0,3.8L
¶11910797
IDC Error ellipse: s-maj=67.3km s-min=35.5km az=113.0.
ISC IX 24 13 11 31.9–1.3 29.8S–.10 177.6W–.20 35 4.0b,3.4s 7 10-145
IDC IX 24 13 11 25.6–3.7 29.78S 177.46W 0 4.3,4.1 ¶11339113
IDC Error ellipse: s-maj=73.3km s-min=41.0km az=101.0.
ISC IX 29 15 19 30.8–.07 30.10S–.02 177.63W–.02 35 6.8s,6.5b 1108 8-175
WEL IX 29 15 19 21.6–1.8 30.34S 175.43W 33 7.3W,6.7L ¶13395461
SZGRF IX 29 15 19 26.8 30.53S 175.94W 33 7.2b,6.7L
IDC IX 29 15 19 26.3–.31 29.80S 177.67W 0 6.6s,6.6
BJI IX 29 15 19 27.7 29.46S 177.03W 26 7.1s,7.0b
MOS IX 29 15 19 29.9–1.1 29.79S 177.67W 33 7.0s,6.7b
ISCJB IX 29 15 19 29.1–.08 30.08S–.02 177.70W–.02 33 6.8s,6.5b
NEIC IX 29 15 19 31.6–.11 29.76S 177.68W 36 7.0W,6.9W
DJA IX 29 15 19 37 30.06S 177.71W 82 7.2W,6.9W
GCMT IX 29 15 19 42.9–.10 29.85S 177.46W 51–0 7.0W,6.9W
NOU IX 29 15 21 16.5–3.7 30.37S 170.16E 0–999 7.0W,6.9W
ISC Event type fe.
WEL Event type fe. Error ellipse: s-maj=17.6km s-min=10.9km az=90.0. Felt from Bay of Plenty to Otago, maximum reported intensity MM 4.
SZGRF Kermadec Islands region.
IDC Error ellipse: s-maj=13.7km s-min=12.6km az=179.0.
MOS Error ellipse: s-maj=9.1km s-min=7.3km az=59.7.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.0km az=141.1.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.3km az=154.0. Felt in parts of the North Island. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s74 Moment tensor: Scale 10^{19}Nm; M_{rr}2.68 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$-1.68 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.33 $M_{\phi r}$1.23 Best double couple: NP1:ϕ_s14.00000° ,δ59.00000°,λ85.00000°. NP2:ϕ_s204.00000°,δ31.00000°,λ98.00000°. Principal axes: T 3.0000,Plg75.0000°,Azm270.0000°; N -0.9000,Plg4.0000°,Azm16.0000° ; P -2.1100,Plg14.0000°,Azm107.0000° M_o2.70000×10^{19} Moment Tensor Solution. M_o4.30000×10^{19}
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 116 sta. Surface waves: sta=118, comp=295, per= 50. Moment Tensor Solution. s121,c325; s99,c276; Moment tensor: Scale 10^{19}Nm; M_{rr}3.95±.02 $M_{\theta\theta}$-0.23±.01; $M_{\phi\phi}$-3.72±.01; $M_{r\theta}$0.46±.02; $M_{\theta\phi}$-1.10±.01; $M_{\phi r}$1.93±.02; Best double couple: NP1:ϕ_s197.00000°,δ32.00000°,λ92.00000°. NP2:ϕ_s15.00000°,δ58.00000°,λ89.00000°. Principal axes: T 4.4200,Plg77.0000°,Azm281.0000°; N 0.0900,Plg1.0000°,Azm16.0000° ; P -4.5000,Plg13.0000°,Azm106.0000° M_o4.50000×10^{19}
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC IX 29 15 33 41.2–2.9 30.04S 177.35W 0 4.4,4.3
¶11911346
IDC Error ellipse: s-maj=65.7km s-min=46.1km az=125.0.
IDC IX 29 15 45 20.6–22 29.71S 178.95W 387–205 3.4,3.3b
¶11911350
IDC Error ellipse: s-maj=136.2km s-min=26.3km az=54.0.
ISC IX 29 15 46 26.3–5.2 30.1S–.20 178.7W–.30 36–40 4.0b 8 9-152
IDC IX 29 15 46 17.5–1.6 29.76S 178.16W 0 4.2,4.1 ¶11911351
NEIC IX 29 15 46 22.9–1.2 29.91S 178.22W 35 4.2,4.1
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=33.1km az=48.0.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=22.6km az=88.0.
IDC IX 29 15 50 53.0–3.0 30.11S 177.20W 0 4.1,4.0
¶11911352
IDC Error ellipse: s-maj=63.5km s-min=36.4km az=112.0.
IDC IX 29 15 54 00.1–4.6 29.55S 177.45W 0 4.0,3.8b
¶11911353
IDC Error ellipse: s-maj=204.8km s-min=69.4km az=159.0.
IDC IX 29 16 01 08.4–3.0 30.16S 177.43W 0 4.0,3.9
¶11911356
IDC Error ellipse: s-maj=68.2km s-min=35.7km az=115.0.
IDC IX 29 16 07 02.4–3.5 29.19S 177.50W 0 3.9,3.7b
¶11911357
IDC Error ellipse: s-maj=194.1km s-min=53.1km az=161.0.
IDC IX 29 16 09 42.2–7.3 30.05S 177.31W 0 3.9,3.6b
¶11322371
IDC Error ellipse: s-maj=300.1km s-min=61.1km az=154.0.
ISC IX 29 16 10 34.3–2.2 30.15S–.03 177.62W–.05 11–13 5.6s,5.1b 414 9-172
IDC IX 29 16 10 32.5–.42 29.83S 177.54W 0 5.0b,5.0 ¶11911358
ISCJB IX 29 16 10 36.0–.12 30.22S–.03 177.69W–.05 33 5.6s,5.1b
BJI IX 29 16 10 36.0 29.90S 177.60W 35 5.5s,5.5b
MOS IX 29 16 10 38.5–2.4 29.77S 177.72W 33 5.3b,5.5b
NEIC IX 29 16 10 38.1–.22 29.87S 177.61W 35 5.3b,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=12.9km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.2km az=35.8.
MOS Error ellipse: s-maj=12.4km s-min=10.5km az=75.5.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.0km az=151.0.
IDC IX 29 16 15 10.2–2.7 29.60S 177.62W 0 4.3,4.1b
¶11911359
IDC Error ellipse: s-maj=144.5km s-min=29.4km az=162.0.
IDC IX 29 16 19 23.6–7.4 30.22S 177.38W 0 3.7,3.5
¶11911360
IDC Error ellipse: s-maj=309.2km s-min=58.5km az=155.0.
IDC IX 29 16 23 14.6–5.7 29.15S 177.55W 0 3.9,3.6b
¶11911362
IDC Error ellipse: s-maj=319.3km s-min=80.4km az=165.0.
ISC IX 29 16 49 05.5–1.0 30.03S–.09 177.8W–.20 35 4.1b 13 9-148
IDC IX 29 16 48 58.5–1.4 30.14S 177.60W 0 4.4,4.2b ¶13395466
ISCJB IX 29 16 49 03.4–1.0 30.15S–.09 177.8W–.20 33 4.1b,4.2b
NEIC IX 29 16 49 04.7–.87 30.09S 177.76W 35 4.3b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=23.1km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=11.2km az=18.2.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=18.3km az=123.0.
IDC IX 29 16 57 15.3–4.4 29.24S 177.33W 0 4.3,4.1b
¶11911365
IDC Error ellipse: s-maj=162.3km s-min=72.6km az=162.0.
IDC IX 29 17 01 54.0–4.4 29.12S 177.42W 0 4.1,3.9b
¶11911367
IDC Error ellipse: s-maj=128.4km s-min=72.7km az=159.0.
IDC IX 29 17 55 01.1–5.0 29.66S 177.45W 0 3.8,3.6
¶11911372
IDC Error ellipse: s-maj=280.0km s-min=73.3km az=165.0.
ISC IX 29 18 02 07.2–1.3 30.1S–.10 177.3W–.20 35 4.2b 10 9-153
IDC IX 29 18 02 00.7–1.4 30.02S 177.15W 0 4.4,4.3b ¶11911374
ISCJB IX 29 18 02 05.2–1.3 30.2S–.10 177.3W–.20 33 4.2b,4.3b
NEIC IX 29 18 02 06.1–.92 30.15S 177.18W 35 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=54.9km s-min=24.4km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=12.2km az=18.7.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=18.1km az=128.0.
IDC IX 29 18 28 45.6–3.3 29.97S 177.11W 0 3.9,3.8
¶11911377
IDC Error ellipse: s-maj=75.6km s-min=45.8km az=120.0.
IDC IX 29 18 39 26.6–2.8 30.93S 177.17W 0 4.1,4.0
NEIC IX 29 18 39 30.5–1.9 31.18S 176.96W 35 4.3b,4.0 ¶11911380
IDC Error ellipse: s-maj=64.2km s-min=43.2km az=128.0.
NEIC Event type se. Error ellipse: s-maj=38.1km s-min=20.0km az=101.0.
IDC IX 29 19 14 46.6–5.1 29.77S 177.40W 0 3.7,3.6
¶11911381
IDC Error ellipse: s-maj=293.0km s-min=73.9km az=166.0.
ISC IX 29 19 37 42.1–.64 30.11S–.07 177.5W–.10 35 4.5b 33 9-163
IDC IX 29 19 37 37.3–.68 30.11S 177.56W 0 4.5,4.4b ¶11911384
ISCJB IX 29 19 37 40.4–.64 30.17S–.07 177.6W–.10 33 4.4b,4.4b
NEIC IX 29 19 37 41.7–.62 30.09S 177.50W 35 4.9b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=17.8km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=9.8km az=11.2.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=12.7km az=103.0.
ISC IX 29 19 49 06.0–3.4 30.28S–.06 177.4W–.10 28–24 4.6b 32 9-167
IDC IX 29 19 49 01.6–.61 29.91S 177.54W 0 4.8,4.7 ¶11348118
ISCJB IX 29 19 49 03.2–3.7 30.29S–.06 177.6W–.10 20–25 4.5b,4.7
NEIC IX 29 19 49 06.5–1.4 30.23S 177.46W 36–12 5.0b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=18.9km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=9.5km az=12.9.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.2km az=104.0.
IDC IX 29 20 03 56.1–9.3 30.68S 178.43W 0 3.4,3.4
¶11911387
IDC Error ellipse: s-maj=396.4km s-min=62.2km az=156.0.
IDC IX 29 20 23 33.1–3.0 29.07S 177.74W 0 3.8,3.6
¶11911390
IDC Error ellipse: s-maj=116.1km s-min=46.4km az=22.0.
ISC IX 29 20 58 10.3–4.0 30.05S–.07 177.7W–.20 25–28 4.5b 31 9-163
IDC IX 29 20 58 06.4–.65 29.79S 177.83W 0 4.6,4.4 ¶11911396
ISCJB IX 29 20 58 07.8–3.9 30.12S–.07 177.8W–.20 19–27 4.5b,4.4
NEIC IX 29 20 58 11.3–.64 29.94S 177.76W 35 5.0b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=19.4km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=10.6km az=11.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=16.8km az=120.0.
IDC IX 29 21 08 03.3–5.0 29.19S 177.57W 0 4.0,3.8b
¶11911400
IDC Error ellipse: s-maj=200.3km s-min=76.8km az=159.0.
IDC IX 29 22 21 19.7–6.6 30.15S 177.70W 0 3.8,3.6
¶11911405
IDC Error ellipse: s-maj=273.3km s-min=55.3km az=155.0.
IDC IX 29 22 48 23.8–12 30.12S 177.49W 0 4.0,3.8b
¶11911408
IDC Error ellipse: s-maj=539.0km s-min=42.2km az=154.0.
ISC IX 29 23 36 16.1–.71 29.96S–.07 177.8W–.10 35 4.3b 26 9-157
IDC IX 29 23 36 10.7–1.4 29.98S 177.82W 0 4.5,4.3 ¶11911416
ISCJB IX 29 23 36 14.7–.70 30.04S–.07 178.0W–.10 33 4.3b,4.3
NEIC IX 29 23 36 16.0–.51 30.02S 177.79W 35 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=27.3km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=9.8km az=2.8.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=11.6km az=74.0.
IDC IX 30 01 32 51.1–5.2 29.65S 177.31W 0 3.8,3.6
¶11911424
IDC Error ellipse: s-maj=306.8km s-min=74.6km az=166.0.
NEIC IX 30 01 37 13.2–.94 30.01S 177.23W 35 4.5b
IDC IX 30 01 37 08.3–1.3 29.89S 177.32W 0 4.3,4.2b ¶11911425
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=22.8km az=181.0.
IDC Error ellipse: s-maj=44.8km s-min=31.6km az=11.0.
ISC IX 30 02 32 09.2–1.4 30.2S–.10 177.8W–.20 35 4.2b 11 9-163
IDC IX 30 02 32 00.1–1.3 29.70S 177.26W 0 4.3,4.1 ¶11911428
NEIC IX 30 02 32 05.3–.99 29.82S 177.21W 35 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=28.4km az=27.0.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=23.9km az=213.0.
IDC IX 30 03 51 48.4–2.1 30.18S 177.78W 0 4.0,3.8b
¶11911432
IDC Error ellipse: s-maj=56.0km s-min=35.1km az=36.0.
ISC IX 30 06 55 25.3–2.4 30.21S–.10 177.6W–.10 59–20 4.4b,3.8s 40 9-163
IDC IX 30 06 55 16.9–.56 29.93S 177.48W 0 4.6,4.5 ¶11357314
NEIC IX 30 06 55 22.4–.36 30.03S 177.51W 35 4.7b,4.5
ISCJB IX 30 06 55 23.9–3.0 30.18S–.10 177.6W–.10 60–26 4.4b,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 30 08 09 48.6–2.4 30.43S–.10 177.7W–.10 58–20 4.5b,3.6s 47 9-163
IDC IX 30 08 09 40.3–.80 29.77S 177.59W 0 4.6,4.4 ¶11911443
NEIC IX 30 08 09 47.8–3.2 29.91S 177.65W 54–27 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=22.8km az=169.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=17.7km az=216.0.
IDC IX 30 16 09 41.8–5.1 29.03S 177.57W 0 3.8,3.7b
¶11911465
IDC Error ellipse: s-maj=187.6km s-min=79.5km az=157.0.
ISC IX 30 16 36 03.7–.80 30.12S–.08 177.4W–.10 35 4.3b,3.5s 21 9-163
IDC IX 30 16 35 58.7–.77 29.80S 177.48W 0 4.5,4.4 ¶11911466
ISCJB IX 30 16 36 02.1–.78 30.19S–.08 177.5W–.10 33 4.3b,3.5s
NEIC IX 30 16 36 03.7–.81 30.01S 177.47W 35 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=22.4km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=10.9km az=16.3.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=17.0km az=101.0.
ISC X 01 03 03 23.6–1.8 30.04S–.06 177.44W–.08 10–10 4.5b,4.1s 64 1-163
IDC X 01 03 03 22.4–.65 29.80S 177.84W 0 4.5,4.5 ¶13395578

ISCJB X 01 03 03 23.3–1.6 30.09S–.06 177.47W–.08 20–11 4.5b,4.1s
NEIC X 01 03 03 24.7–1.6 30.00S 177.48W 17–9 4.8b,4.1s
GCMT X 01 03 03 29.7–.40 29.87S 177.17W 35–1 5.0W,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=16.6km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=8.7km az=24.7.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.1km az=128.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s27,c33; s51,c70; Moment tensor: Scale 10^{16}Nm; M_{rr}2.77±.23 $M_{\theta\theta}$-0.03±.17; $M_{\phi\phi}$-2.74±.14; $M_{r\theta}$-0.24±.19; $M_{\theta\phi}$-1.45±.11; $M_{\phi r}$2.09±.14; Best double couple: NP1:ϕ_s223.00000°,δ33.00000°,λ123.00000°. NP2:ϕ_s6.00000°,δ63.00000°,λ71.00000°. Principal axes: T 3.6100,Plg66.0000° ,Azm240.0000°; N 0.2700,Plg17.0000°,Azm15.0000°; P -3.8900,Plg16.0000°,Azm110.0000° M_o3.80000×10^{16}
ISC X 01 14 03 08.1–6.1 29.96S–.09 177.1W–.60 24–39 3.8b 12 1-145
IDC X 01 14 03 06.5–3.3 29.96S 177.41W 0 4.0,3.8b **¶11911553**
NEIC X 01 14 03 16.9–.86 29.61S 178.19W 35 4.2b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=67.1km s-min=40.1km az=107.0.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=13.0km az=139.0.
ISC X 02 16 46 54.3–.73 30.58S–.06 177.2W–.10 35 4.4b 39 1-153
IDC X 02 16 46 48.4–1.2 30.58S 176.98W 0 4.3,4.2 **¶11357321**
ISCJB X 02 16 46 52.6–.73 30.64S–.06 177.2W–.10 33 4.4b,4.2
NEIC X 02 16 46 55.0–.65 30.27S 177.28W 35 4.8b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=22.0km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=7.3km az=18.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=17.1km az=148.0.
ISC X 02 21 34 57.0–1.3 30.00S–.04 177.8W–.10 28–9 4.3b 52 1-163
IDC X 02 21 34 52.6–.68 29.79S 177.74W 0 4.5,4.4 **¶11357324**
ISCJB X 02 21 34 55.4–1.1 30.10S–.04 177.9W–.10 26–8 4.3b,4.4
NEIC X 02 21 34 59.5–1.2 29.81S 177.84W 46–9 4.5b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=21.1km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=6.2km az=10.2.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=9.2km az=102.0.
ISC X 03 00 13 21.7–.62 30.11S–.06 177.05W–.10 10 4.4b 31 1-153
ISCJB X 03 00 13 19.9–.62 30.22S–.06 177.05W–.10 10 4.4b **¶12065747**
NEIC X 03 00 13 22.2–2.6 30.08S 177.02W 13–17 4.5b
IDC X 03 00 13 23.4–1.2 30.22S 177.44W 0 4.6,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=8.4km az=17.8.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=9.3km az=106.0.
IDC Error ellipse: s-maj=45.9km s-min=23.1km az=147.0.
IDC X 03 06 33 08.1–42 29.74S 177.25W 0 3.8,3.7
¶12065761
IDC Error ellipse: s-maj=774.8km s-min=184.3km az=97.0.
ISC X 04 00 03 44.8–1.8 30.13S–.05 177.59W–.09 6–11 4.8b,3.9s 89 1-165
ISCJB X 04 00 03 42.8–2.6 30.23S–.05 177.63W–.09 3–16 4.8b,3.9s **¶11357333**
IDC X 04 00 03 44.3–.47 29.81S 177.66W 0 4.8,4.7
MOS X 04 00 03 49.2–3.4 29.73S 177.68W 33 5.1b,4.7
NEIC X 04 00 03 49.8–1.4 29.83S 177.60W 39–11 5.1b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=6.9km az=22.2.
IDC Error ellipse: s-maj=19.0km s-min=16.4km az=129.0.
MOS Error ellipse: s-maj=14.4km s-min=13.8km az=85.1.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.8km az=145.0.
IDC X 04 02 08 32.3–2.8 30.88S 177.73W 0 4.1,4.0b
¶12065870
IDC Error ellipse: s-maj=66.2km s-min=34.7km az=117.0.
ISC X 04 14 50 31.8–.14 30.31S–.04 177.36W–.04 35 5.2b,5.0s 373 9-168
IDC X 04 14 50 26.3–.49 30.02S 177.19W 0 5.0,4.9 **¶11328054**
BJI X 04 14 50 29.4 29.85S 176.66W 35 5.6b,5.5b
ISCJB X 04 14 50 29.8–.14 30.35S–.04 177.40W–.04 33 5.2b,5.0s
NEIC X 04 14 50 30.7–1.4 30.43S 177.25W 37–13 5.4b,5.0s
MOS X 04 14 50 30.6–1.5 29.91S 177.30W 33 5.6b,5.1s
GCMT X 04 14 50 31.6–.20 30.03S 176.70W 18–0 5.3W,5.1s
DJA X 04 14 51 04 30.50S 178.92W 265 4.8b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=15.7km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=148.1.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.3km az=169.0.
MOS Error ellipse: s-maj=11.4km s-min=10.2km az=68.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 95, comp=165, per= 50. Moment Tensor Solution. s66,c110; s10,c10; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s194.00000° ,δ22.00000°,λ91.00000°. NP2:ϕ_s13.00000°,δ68.00000°,λ89.00000°. Principal axes: T 1.1200,Plg67.0000°,Azm282.0000°; N 0.0000,Plg1.0000°,Azm13.0000° ; P -1.1200,Plg23.0000°,Azm103.0000° M_o1.10000×10^{17}
IDC X 04 20 40 31.9–7.4 29.98S 177.11W 0 3.7,3.5
¶12065932
IDC Error ellipse: s-maj=310.6km s-min=56.3km az=154.0.
ISC X 05 09 12 36.0–.10 30.31S–.02 177.26W–.03 10 6.2s,5.7b 656 8-173
ISCJB X 05 09 12 34.5–.10 30.33S–.02 177.32W–.03 10 6.2s,5.7b **¶11330126**
IDC X 05 09 12 34.8–.29 30.03S 177.27W 0 6.0s,6.0
NEIC X 05 09 12 36.1–.12 30.18S 177.18W 10 6.2s,6.1W
BJI X 05 09 12 38.4 29.73S 176.94W 31 6.4b,6.3s
MOS X 05 09 12 39.5–1.1 29.91S 177.28W 33 6.2s,6.0b
SZGRF X 05 09 12 40.2 29.70S 176.43W 33 6.3b,6.0b
GCMT X 05 09 12 46.3–.10 30.00S 176.70W 14–0 6.1W,6.0b
DJA X 05 09 12 50 30.11S 176.90W 144 5.4b,6.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.5km az=44.1.
IDC Error ellipse: s-maj=10.6km s-min=9.0km az=32.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.9km az=146.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s60 Moment tensor: Scale 10^{18}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-0.41 $M_{r\theta}$-0.43 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.59 Best double couple: NP1:ϕ_s2.00000°,δ76.00000°,λ71.00000°. NP2: ϕ_s237.00000°,δ24.00000°,λ142.00000°. Principal axes: T 2.2400,Plg55.0000°,Azm248.0000° ; N -0.7700,Plg18.0000°,Azm6.0000°; P -1.4700,Plg28.0000°,Azm107.0000° M_o2.00000×10^{18} Moment Tensor Solution. M_o3.80000×10^{18}
MOS Error ellipse: s-maj=9.9km s-min=7.8km az=82.6.
SZGRF Kermadec Islands region.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=122, comp=292, per= 50. Moment Tensor Solution. s109,c234; s92,c144; Moment tensor: Scale 10^{18}Nm; M_{rr}1.27±.01 $M_{\theta\theta}$-0.05±.01; $M_{\phi\phi}$-1.22±.01; $M_{r\theta}$0.33±.02; $M_{\theta\phi}$-0.38±.01; $M_{\phi r}$1.28±.03; Best double couple: NP1:ϕ_s198.00000°,δ22.00000°,λ93.00000°. NP2:ϕ_s15.00000°,δ68.00000°,λ89.00000°. Principal axes: T 1.8200,Plg67.0000°,Azm283.0000°; N 0.0700,Plg1.0000°,Azm16.0000° ; P -1.8900,Plg23.0000°,Azm106.0000° M_o1.90000×10^{18}
IDC X 05 09 28 19.2–1.2 30.16S 177.00W 0 4.0,3.8b
¶12065982
IDC Error ellipse: s-maj=38.5km s-min=31.4km az=1.0.
ISC X 05 09 29 19.5–.63 30.23S–.07 177.1W–.10 35 4.3b 37 9-163
IDC X 05 09 29 14.1–.65 30.02S 176.94W 0 4.4,4.3b **¶12065983**
ISCJB X 05 09 29 17.7–.63 30.30S–.07 177.1W–.10 33 4.3b,4.3b
NEIC X 05 09 29 19.3–.57 30.25S 176.96W 35 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=21.0km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=9.0km az=22.1.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.2km az=114.0.
IDC X 05 09 55 12.0–3.0 30.20S 177.16W 0 4.0,3.9
¶12065987
IDC Error ellipse: s-maj=70.3km s-min=39.7km az=111.0.
ISC X 05 10 11 53.7–1.3 30.2S–.10 177.2W–.20 35 4.1b 21 9-152
IDC X 05 10 11 48.1–1.7 30.08S 177.10W 0 4.3,4.2L **¶12065989**
ISCJB X 05 10 11 52.1–1.3 30.2S–.10 177.2W–.20 33 4.1b,4.2L
NEIC X 05 10 11 52.9–1.1 30.25S 177.08W 35 4.4b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=61.0km s-min=25.8km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=16.5km az=20.3.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=14.1km az=110.0.
ISC X 05 10 12 45.1–1.3 30.2S–.10 177.0W–.20 35 4.3b 23 9-152

IDC X 05 10 12 40.2–1.6 30.01S 176.99W 0 4.5L,4.4 **¶12065990**
ISCJB X 05 10 12 43.7–1.3 30.0S–.20 177.1W–.20 33 4.3b,4.4
NEIC X 05 10 12 44.6–.92 30.28S 176.94W 35 4.5b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=60.3km s-min=25.2km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=30.3km s-min=16.9km az=35.1.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=13.7km az=118.0.
ISC X 05 10 55 19.1–.56 30.27S–.08 177.1W–.10 35 4.3b 38 9-153
IDC X 05 10 55 13.9–.71 30.02S 176.99W 0 4.5,4.3b **¶12065992**
ISCJB X 05 10 55 17.2–.56 30.34S–.08 177.1W–.10 33 4.3b,4.3b
NEIC X 05 10 55 18.9–.52 30.31S 177.03W 35 4.4b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=19.3km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=8.6km az=30.3.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.9km az=127.0.
NEIC X 05 11 14 14.1–1.2 30.07S 178.94W 35 4.1b
IDC X 05 11 14 09.2–2.3 30.01S 179.01W 0 4.2,4.1L **¶12065994**
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=18.8km az=100.0.
IDC Error ellipse: s-maj=54.3km s-min=41.2km az=133.0.
ISC X 05 15 22 00.1–1.1 30.27S–.07 177.1W–.20 35 4.1b,3.6s 27 9-153
IDC X 05 15 21 54.9–1.0 30.00S 177.10W 0 4.3,4.1 **¶12066015**
ISCJB X 05 15 21 57.9–1.0 30.38S–.07 177.1W–.20 33 4.1b,3.6s
NEIC X 05 15 22 01.0–.95 30.16S 177.08W 35 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=25.8km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=8.4km az=14.5.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=16.9km az=111.0.
ISC X 06 01 42 33.6–.43 30.17S–.05 177.05W–.07 35 4.6b,4.0s 57 1-169
ISCJB X 06 01 42 31.7–.43 30.26S–.05 177.08W–.07 33 4.6b,4.0s **¶11369850**
NEIC X 06 01 42 33.4–.42 30.20S 177.09W 35 4.9b,4.0s
IDC X 06 01 42 33.2–.61 29.95S 177.14W 32–4 4.5,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.9km az=9.3.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.3km az=128.0.
IDC Error ellipse: s-maj=20.7km s-min=16.1km az=162.0.
ISC X 06 02 01 05.5–.42 30.35S–.04 177.03W–.08 35 4.6s,4.5b 67 1-169
IDC X 06 02 01 00.1–.52 30.03S 176.97W 0 4.6,4.6 **¶11369851**
ISCJB X 06 02 01 03.7–.42 30.39S–.04 177.06W–.07 33 4.6s,4.5b
GCMT X 06 02 01 05.8–.20 29.97S 176.65W 18–0 5.1W,4.5b
NEIC X 06 02 01 05.9–2.0 30.28S 176.95W 39–17 4.8b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=18.9km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.7km az=14.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s46,c56; s76,c108; Moment tensor: Scale 10^{16}Nm; M_{rr}4.82±.24 $M_{\theta\theta}$-0.05±.15; $M_{\phi\phi}$-4.77±.17; $M_{r\theta}$0.12±.38; $M_{\theta\phi}$-1.43±.11; $M_{\phi r}$4.20±.38; Best double couple: NP1:ϕ_s205.00000°,δ26.00000°,λ107.00000°. NP2:ϕ_s6.00000°,δ65.00000°,λ82.00000°. Principal axes: T 6.4200,Plg69.0000° ,Azm260.0000°; N 0.2200,Plg7.0000°,Azm10.0000°; P -6.6400,Plg20.0000°,Azm103.0000° M_o6.50000×10^{16}
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=12.3km az=224.0.
ISC X 06 07 19 24.9–2.1 29.97S–.09 177.8W–.30 27–17 4.0b 15 1-163
IDC X 06 07 19 20.5–1.5 29.93S 177.77W 0 4.2,4.0 **¶12066103**
ISCJB X 06 07 19 23.2–2.0 30.09S–.09 177.8W–.30 26–17 4.0b,4.0
NEIC X 06 07 19 24.4–2.1 30.00S 177.70W 28–14 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=29.6km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=40.2km s-min=14.1km az=3.9.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=15.6km az=94.0.
ISC X 06 15 03 23.9–2.0 29.0S–.10 178.4W–.20 187–20 3.7b 29 9-164
IDC X 06 15 03 17.1–5.5 28.44S 178.23W 119–48 3.8,3.7 **¶12066158**
IDC Error ellipse: s-maj=33.1km s-min=25.6km az=171.0.
IDC X 06 16 31 06.1–4.5 30.17S 177.49W 0 4.2,4.0b
¶12066164
IDC Error ellipse: s-maj=153.7km s-min=53.2km az=153.0.
IDC X 07 10 51 48.1–2.0 30.09S 177.51W 0 4.0,4.0
¶12066256
IDC Error ellipse: s-maj=46.0km s-min=36.7km az=58.0.
IDC X 07 13 42 55.9–5.2 29.93S 177.96W 0 4.3,4.2b
¶12066260
IDC Error ellipse: s-maj=292.9km s-min=68.8km az=158.0.
IDC X 08 14 06 08.1–12 30.55S 177.32W 0 4.2,4.1b
¶12066338
IDC Error ellipse: s-maj=222.1km s-min=40.8km az=91.0.
ISC X 09 04 13 36.9–1.2 29.87S–.07 177.1W–.10 35 4.4b 25 1-163
IDC X 09 04 13 33.3–1.1 28.96S 177.31W 0 4.5,4.4 **¶11369868**
ISCJB X 09 04 13 35.8–1.1 29.99S–.05 177.2W–.10 33 4.4b,4.4
NEIC X 09 04 13 40.1–2.6 29.05S 177.29W 49–18 4.2b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=29.0km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=6.8km az=173.8.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=24.4km az=221.0.
IDC X 09 12 30 10.0–3.3 30.07S 177.03W 0 4.1,3.9b
¶12066423
IDC Error ellipse: s-maj=74.9km s-min=37.6km az=112.0.
IDC X 10 16 15 09.3–3.5 29.33S 177.24W 0 3.9,3.7
¶12066517
IDC Error ellipse: s-maj=174.2km s-min=45.8km az=157.0.
ISC X 11 10 41 48.4–1.3 30.26S–.07 177.4W–.20 35 4.3b 16 1-158
IDC X 11 10 41 40.4–2.2 29.98S 176.90W 0 4.4,4.2b **¶12066581**
ISCJB X 11 10 41 46.1–1.4 30.39S–.07 177.4W–.20 33 4.3b,4.2b
NEIC X 11 10 41 48.3–2.5 29.97S 177.11W 52–23 4.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=59.8km s-min=37.2km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=28.7km s-min=10.3km az=5.6.
NEIC Event type se. Error ellipse: s-maj=42.9km s-min=24.4km az=51.0.
ISC X 13 22 05 07.6–2.8 29.7S–.10 177.6W–.20 6–17 4.5b 17 1-151
IDC X 13 22 05 07.2–3.2 29.77S 177.59W 0 4.6,4.4b **¶12068583**
ISCJB X 13 22 05 09.3–.99 29.7S–.10 177.5W–.20 33 4.5b,4.4b
NEIC X 13 22 05 11.9–.76 29.63S 177.62W 35 4.6b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=164.7km s-min=37.1km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=24.4km s-min=12.6km az=154.9.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=13.0km az=70.0.
IDC X 14 08 46 53.3–4.4 29.35S 177.54W 0 4.2,4.0b
¶12068607
IDC Error ellipse: s-maj=136.6km s-min=73.5km az=160.0.
ISC X 15 05 58 22.1–.55 30.20S–.05 177.18W–.09 35 4.4b,4.2s 50 1-172
IDC X 15 05 58 16.6–.62 29.86S 176.95W 0 4.6,4.5 **¶11374706**
ISCJB X 15 05 58 20.4–.55 30.27S–.04 177.21W–.09 33 4.4b,4.2s
NEIC X 15 05 58 21.3–.56 30.23S 177.07W 35 4.9b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=19.7km az=178.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.0km az=8.8.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.0km az=121.0.
ISC X 15 08 06 08.7–.52 30.47S–.04 178.63W–.08 118–5 4.7b 106 1-163
ISCJB X 15 08 06 07.7–.50 30.51S–.04 178.66W–.07 121–5 4.7b **¶13397137**
NEIC X 15 08 06 09.4–.98 30.38S 178.54W 122–8 4.8b
IDC X 15 08 06 14.1–.77 30.05S 178.53W 162–6 4.5,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=4.6km az=23.7.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.5km az=138.0.
IDC Error ellipse: s-maj=14.9km s-min=10.9km az=1.0.
IDC X 18 08 38 11.6–4.7 29.51S 177.52W 0 3.8,3.6b
¶12068965
IDC Error ellipse: s-maj=205.0km s-min=71.2km az=159.0.
IDC X 18 13 35 52.9–5.4 30.56S 178.97W 0 3.7,3.5
¶12068977
IDC Error ellipse: s-maj=212.1km s-min=56.4km az=155.0.
ISC X 18 18 56 52.7–1.4 30.21S–.09 178.6W–.40 402–16 3.0b 44 8-145
IDC X 18 18 56 47.4–9.6 29.61S 178.93W 317–94 3.1,3.0 **¶12068993**
IDC Error ellipse: s-maj=88.1km s-min=47.0km az=11.0.

IDC X 19 15 51 38.4–5.9 29.22S 177.26W 0 3.6,3.5 ¶12069051

IDC Error ellipse: s-maj=335.2km s-min=82.6km az=165.0.
ISC X 21 23 16 03.3–.61 30.13S–.05 178.1W–.10 106–5 3.9b 48 1-163
IDC X 21 23 15 59.0–5.9 29.80S 177.95W 75–49 4.5L,4.0 ¶13397752
ISCJB X 21 23 16 02.3–.61 30.15S–.05 178.1W–.10 110–6 3.9b,4.0
NEIC X 21 23 16 03.6–.83 30.02S 178.10W 114–7 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=25.1km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=6.9km az=10.8.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.7km az=107.0.
IDC X 23 05 03 42.4–5.0 29.10S 177.14W 0 3.9,3.8b ¶12070861

IDC Error ellipse: s-maj=199.8km s-min=77.4km az=156.0.
IDC X 23 12 55 04.8–7.6 30.51S 178.50W 0 3.6,3.5 ¶12070891

IDC Error ellipse: s-maj=312.6km s-min=62.5km az=156.0.
IDC X 23 17 20 33.8–5.3 29.03S 177.19W 0 3.7,3.5 ¶12070920

IDC Error ellipse: s-maj=261.4km s-min=82.2km az=164.0.
IDC X 24 02 45 19.7–5.3 29.62S 177.36W 0 3.9,3.7b ¶12070952

IDC Error ellipse: s-maj=299.0km s-min=76.6km az=165.0.
ISC X 24 04 37 50.6–1.2 30.1S–.10 178.4W–.20 35 4.1b 8 9-163
IDC X 24 04 37 42.9–5.0 29.70S 178.06W 0 4.3,4.1 ¶12070956
IDC Error ellipse: s-maj=157.5km s-min=45.8km az=29.0.
ISC X 25 01 37 10.7–3.1 29.8S–.20 178.4W–.10 217–28 4.3b 30 9-163
IDC X 25 01 37 06.5–11 29.69S 178.34W 176–96 4.3,4.1b ¶12071047
NEIC X 25 01 37 09.9–1.7 29.72S 178.40W 208–15 4.6b,4.1b
ISCJB X 25 01 37 10.6–3.0 29.8S–.20 178.5W–.10 229–27 4.3b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 27 02 54 46.6–6.3 30.34S 178.29W 0 3.9,3.6b ¶12071215

IDC Error ellipse: s-maj=252.2km s-min=57.1km az=155.0.
IDC X 27 12 16 39.8–5.5 29.25S 177.41W 0 3.8,3.6 ¶12071236

IDC Error ellipse: s-maj=289.4km s-min=82.5km az=165.0.
ISC X 28 16 30 30.3–3.5 30.59S–.09 177.3W–.50 35 4.0b 20 1-153
NEIC X 28 16 30 28.5–5.5 30.45S 177.52W 9–32 4.0b ¶12071348
IDC X 28 16 30 28.9–2.5 29.63S 177.76W 0 4.2,4.0b
ISCJB X 28 16 30 29.5–3.4 30.66S–.09 177.5W–.50 33 4.0b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 29 23 38 36.5–7.4 30.79S 178.68W 0 3.8,3.6 ¶12071572

IDC Error ellipse: s-maj=305.8km s-min=59.9km az=156.0.
IDC X 30 17 47 55.0–3.0 30.06S 177.13W 0 3.9,3.7 ¶12071648

IDC Error ellipse: s-maj=71.0km s-min=36.3km az=114.0.
IDC X 31 21 15 45.4–3.1 30.77S 178.16W 0 3.9,3.7b ¶12071775

IDC Error ellipse: s-maj=181.3km s-min=48.8km az=164.0.
ISC XI 02 15 00 58.5–.26 30.34S–.03 177.01W–.06 35 5.7s,5.0b 223 1-169
IDC XI 02 15 00 53.8–.41 29.82S 176.93W 0 5.6s,5.6 ¶11383209
NEIC XI 02 15 00 55.2–.23 29.92S 176.96W 10 5.8s,5.7W
ISCJB XI 02 15 00 56.6–.26 30.39S–.03 177.05W–.06 33 5.7s,5.0b
MOS XI 02 15 00 58.0–1.9 29.72S 176.88W 33 5.7s,5.4b
BJI XI 02 15 00 58.9 29.74S 177.05W 37 5.8b,5.6s
GCMT XI 02 15 01 00.3–.10 29.87S 176.37W 12 5.7W,5.6s
DJA XI 02 15 01 02 29.13S 176.11W 100 5.0b,5.6s
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=15.2km az=65.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=7.1km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.1km az=20.8.
MOS Error ellipse: s-maj=11.1km s-min=9.6km az=111.7.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 97, comp=198, per= 50. Moment Tensor Solution. s74,c133; s46,c51; Moment tensor: Scale 10^{17}Nm; M_{rr}2.84±.03 $M_{\theta\theta}$-0.20±.03; $M_{\phi\phi}$-2.64±.03; $M_{r\theta}$0.50±.11; $M_{\theta\phi}$-0.72±.03; $M_{\phi r}$3.04±.10; Best double couple: NP1:ϕ_s200.00000°,δ22.00000°,λ98.00000°. NP2:ϕ_s11.00000°,δ69.00000°,λ87.00000°. Principal axes: T 4.2000,Plg66.0000°,Azm275.0000°; N -0.0200,Plg3.0000°,Azm12.0000°; P -4.1800,Plg24.0000°,Azm103.0000° $M_0$4.20000×10^{17}
IDC XI 04 09 10 06.5–2.2 30.29S 178.26W 0 4.2,4.0b ¶12072228

IDC Error ellipse: s-maj=83.6km s-min=45.6km az=10.0.
IDC XI 05 16 43 57.0–4.3 30.10S 177.52W 0 4.2,4.1b ¶12072436

IDC Error ellipse: s-maj=151.1km s-min=48.2km az=152.0.
IDC XI 05 19 22 36.4–7.6 30.49S 177.52W 0 3.7,3.5 ¶12072458

IDC Error ellipse: s-maj=321.1km s-min=59.6km az=155.0.
ISC XI 06 02 08 48.1–1.9 29.88S–.07 177.2W–.20 36–15 4.5b,3.7s 36 1-163
IDC XI 06 02 08 43.0–.68 29.59S 177.22W 0 4.6,4.4 ¶13399384
ISCJB XI 06 02 08 47.4–1.7 29.88S–.08 177.2W–.20 46–14 4.5b,3.7s
NEIC XI 06 02 08 49.1–2.1 29.65S 177.18W 47–16 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=20.4km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=13.0km az=167.6.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=14.4km az=86.0.
ISC XI 06 09 11 03.1–1.0 29.97S–.02 177.30W–.03 4–6 5.7s,5.6b 795 1-172
BJI XI 06 09 11 01.5 29.28S 176.73W 5 6.1b,5.8s ¶11396250
ISCJB XI 06 09 11 02.9–.93 30.02S–.02 177.35W–.03 13–5 5.7s,5.6b
IDC XI 06 09 11 02.7–.36 29.78S 177.18W 0 5.6,5.6s
NEIC XI 06 09 11 06.0–2.0 29.86S 177.44W 19–12 5.9W,5.7s
MOS XI 06 09 11 07.9–1.2 29.59S 177.42W 33 5.7s,5.7b
GCMT XI 06 09 11 09.7–.10 29.66S 176.95W 22–0 5.9W,5.7b
DJA XI 06 09 11 12 29.83S 177.32W 64 6.1W,5.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.4km az=41.6.
IDC Error ellipse: s-maj=15.5km s-min=13.4km az=25.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.4km az=144.0.
MOS Error ellipse: s-maj=8.8km s-min=7.9km az=79.5.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=240, per= 50. Moment Tensor Solution. s108,c235; s71,c88; Moment tensor: Scale 10^{17}Nm; M_{rr}6.23±.06 $M_{\theta\theta}$-0.11±.05; $M_{\phi\phi}$-6.12±.05; $M_{r\theta}$1.01±.10; $M_{\theta\phi}$-1.93±.04; $M_{\phi r}$5.42±.11; Best double couple: NP1:ϕ_s201.00000°,δ25.00000°,λ98.00000°. NP2:ϕ_s12.00000°,δ65.00000°,λ87.00000°. Principal axes: T 8.2800,Plg70.0000°,Azm275.0000°; N 0.4300,Plg3.0000°,Azm14.0000°; P -8.7100,Plg20.0000°,Azm105.0000° $M_0$8.50000×10^{17}
IDC XI 06 13 51 19.9–5.5 29.57S 177.47W 0 3.9,3.6b ¶12072536

IDC Error ellipse: s-maj=315.5km s-min=78.3km az=165.0.
ISC XI 06 19 37 26.2–2.5 29.89S–.09 177.8W–.40 20–18 4.2b 16 1-163
IDC XI 06 19 37 18.3–1.1 29.47S 177.09W 0 4.1,4.0b ¶12072563
NEIC XI 06 19 37 23.6–.97 29.66S 177.16W 35 4.3b,4.0b
ISCJB XI 06 19 37 24.5–2.3 30.01S–.09 177.9W–.40 16–20 4.2b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 06 19 41 06.1–4.8 29.96S–.10 177.2W–.40 6–18 4.1b,3.7s 14 1-163
IDC XI 06 19 41 03.7–1.2 29.58S 177.07W 0 4.3,4.2 ¶12072565
NEIC XI 06 19 41 08.2–1.1 29.89S 177.03W 35 4.0b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=31.3km az=151.0.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=15.2km az=97.0.
ISC XI 06 20 33 60.0–5.8 30.1S–.10 177.3W–.60 1–21 3.9b 12 1-163
IDC XI 06 20 33 58.1–3.5 29.91S 177.00W 0 4.1,4.0 ¶12072575
NEIC XI 06 20 34 03.9–2.2 29.98S 177.27W 35 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=72.5km s-min=53.9km az=117.0.
NEIC Event type se. Error ellipse: s-maj=45.0km s-min=17.4km az=90.0.
IDC XI 07 01 18 09.2–5.3 29.86S 177.16W 0 4.2,3.9b ¶12072611

IDC Error ellipse: s-maj=309.7km s-min=42.1km az=161.0.
ISC XI 07 06 21 28.4–2.6 30.12S–.07 177.5W–.30 57–13 4.2b 15 1-163
IDC XI 07 06 21 17.2–1.3 29.72S 176.94W 0 4.3,4.1b ¶12072630
NEIC XI 07 06 21 24.0–2.7 29.73S 177.06W 46–19 4.3b,4.1b
ISCJB XI 07 06 21 25.6–2.9 30.20S–.07 177.5W–.30 51–17 4.2b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 07 12 50 27.6–2.5 29.73S–.10 177.4W–.20 31–15 4.4b,3.8s 32 1-163
IDC XI 07 12 50 22.1–.86 29.60S 177.18W 0 4.5,4.4 ¶11457798
ISCJB XI 07 12 50 27.6–2.0 29.7S–.10 177.4W–.20 45–15 4.4b,3.8s
NEIC XI 07 12 50 27.7–2.4 29.66S 177.25W 38–18 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=23.4km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=18.1km az=175.8.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=15.9km az=93.0.
ISC XI 07 13 10 54.7–4.5 30.0S–.10 177.2W–.30 12–21 4.0b 12 1-151
IDC XI 07 13 10 51.1–2.5 29.88S 176.81W 0 4.2,4.1 ¶12072682
NEIC XI 07 13 10 57.3–1.6 29.87S 177.13W 35 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=78.7km s-min=38.7km az=142.0.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=20.8km az=85.0.
ISC XI 08 14 23 38.2–.54 29.91S–.04 177.22W–.08 35 4.4b,4.2s 63 1-163
IDC XI 08 14 23 33.3–.59 29.65S 177.28W 0 4.3,4.3 ¶11457801
NEIC XI 08 14 23 35.1–2.1 29.93S 177.20W 17–11 4.9b,4.3
ISCJB XI 08 14 23 36.6–.53 29.99S–.03 177.26W–.08 33 4.4b,4.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 08 16 28 18.8–.49 30.02S–.05 177.17W–.08 35 4.5b,4.0s 54 1-163
NEIC XI 08 16 28 14.7–2.4 29.98S 177.15W 11–13 4.8b,4.0s ¶13399588
IDC XI 08 16 28 14.4–.68 29.66S 177.26W 0 4.4,4.3
ISCJB XI 08 16 28 17.1–.49 30.08S–.05 177.20W–.08 33 4.5b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 09 07 15 58.6–3.9 29.03S 177.63W 0 4.3,4.1 ¶12072930

IDC Error ellipse: s-maj=243.1km s-min=29.2km az=159.0.
IDC XI 10 06 11 55.0–4.8 29.10S 177.26W 0 3.7,3.5b ¶12073038

IDC Error ellipse: s-maj=182.0km s-min=74.5km az=156.0.
ISC XI 10 06 20 27.6–1.4 30.22S–.08 177.1W–.20 35 4.0b 14 1-152
IDC XI 10 06 20 22.2–1.7 30.00S 177.00W 0 4.2,3.9b ¶12073041
ISCJB XI 10 06 20 25.7–1.4 30.34S–.08 177.1W–.20 33 4.0b,3.9b
NEIC XI 10 06 20 25.6–4.5 30.10S 176.95W 24–30 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=63.7km s-min=28.3km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=27.2km s-min=10.8km az=12.5.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=14.6km az=92.0.
ISC XI 11 07 24 26.0–.97 29.63S–.09 178.4W–.10 158–8 3.7b 22 1-164
ISCJB XI 11 07 24 25.2–.99 29.59S–.09 178.5W–.10 162–9 3.7b ¶12073146
NEIC XI 11 07 24 26.1–1.0 29.05S 178.41W 164–9 3.8b
IDC XI 11 07 24 29.1–11 29.23S 178.54W 186–96 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=14.0km az=20.7.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=19.9km az=185.0.
IDC Error ellipse: s-maj=39.6km s-min=20.5km az=59.0.
ISC XI 11 15 38 10.3–3.7 30.00S–.08 177.3W–.50 35 4.0b 16 1-145
IDC XI 11 15 38 04.8–2.8 30.44S 177.22W 0 4.1b,4.1 ¶12073188
NEIC XI 11 15 38 10.6–3.5 29.99S 177.34W 36–17 3.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=61.6km s-min=35.0km az=117.0.
NEIC Event type se. Error ellipse: s-maj=48.1km s-min=16.1km az=110.0.
IDC XI 11 18 09 50.9–4.9 30.30S 178.00W 0 4.2,4.0b ¶12073199

IDC Error ellipse: s-maj=200.2km s-min=36.3km az=151.0.
ISC XI 16 12 19 52.8–1.4 30.11S–.09 178.8W–.30 398–15 3.5b 46 8-145
IDC XI 16 12 19 46.9–3.4 29.49S 178.76W 329–47 3.6,3.6 ¶12073742
IDC Error ellipse: s-maj=53.6km s-min=25.0km az=133.0.
IDC XI 18 19 30 56.4–9.4 30.09S 177.31W 0 3.9,3.7b ¶12074041

IDC Error ellipse: s-maj=404.3km s-min=58.7km az=155.0.
IDC XI 19 18 13 49.4–40 30.07S 177.82W 0 3.8,3.7b ¶12074168

IDC Error ellipse: s-maj=734.6km s-min=180.3km az=97.0.
IDC XI 22 17 04 38.4–2.7 29.28S 178.18W 0 3.6,3.5b ¶12074521

IDC Error ellipse: s-maj=81.3km s-min=39.0km az=39.0.
ISC XI 23 11 00 36.8–1.2 29.75S–.10 177.7W–.20 35 4.1b 10 10-145
IDC XI 23 11 00 30.3–3.3 28.90S 177.52W 0 4.3,4.1 ¶12074583
IDC Error ellipse: s-maj=86.5km s-min=37.1km az=36.0.
IDC XI 24 06 12 47.9–4.8 29.37S 177.47W 0 4.0,3.8b ¶12074653

IDC Error ellipse: s-maj=201.5km s-min=73.8km az=159.0.
ISC XI 25 01 36 26.0–1.0 30.30S–.02 177.79W–.03 5–6 5.6b,5.2s 801 1-172
IDC XI 25 01 36 25.3–.33 30.03S 177.75W 0 5.5L,5.4b ¶11474926
ISCJB XI 25 01 36 28.8–.09 30.34S–.03 177.89W–.03 33 5.6b,5.2s
BJI XI 25 01 36 29.5 30.30S 177.90W 35 5.7b,5.5b
MOS XI 25 01 36 29.8–.91 30.01S 177.91W 33 5.8b,5.2s
NEIC XI 25 01 36 30.6–.12 30.24S 177.88W 35 5.6b,5.6W
GCMT XI 25 01 36 33.3–.10 30.07S 177.38W 42–0 5.6W,5.6W
DJA XI 25 01 36 52 30.32S 178.39W 204 5.4W,5.6W
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=12.2km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.5km az=140.2.
MOS Error ellipse: s-maj=9.8km s-min=7.9km az=73.4.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.6km az=140.0. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-1.51 $M_{r\theta}$0.58 $M_{\theta\phi}$-0.56 $M_{\phi r}$0.35 Best double couple: NP1:ϕ_s34.00000°,δ54.00000°,λ101.00000°. NP2:ϕ_s195.00000°,δ37.00000°,λ75.00000°. Principal axes: T 2.1000,Plg77.0000°,Azm343.0000°; N -0.2700,Plg9.0000°,Azm206.0000°; P -1.8400,Plg8.0000°,Azm115.0000° $M_0$2.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=194, per= 50. Moment Tensor Solution. s88,c165; s2,c2; Moment tensor: Scale 10^{17}Nm; M_{rr}2.81±.06 $M_{\theta\theta}$-0.07±.04; $M_{\phi\phi}$-2.74±.04; $M_{r\theta}$0.55±.04; $M_{\theta\phi}$-0.54±.03; $M_{\phi r}$1.71±.04; Best double couple: NP1:ϕ_s187.00000°,δ29.00000°,λ83.00000°. NP2:ϕ_s15.00000°,δ61.00000°,λ94.00000°. Principal axes: T 3.3400,Plg74.0000°,Azm294.0000°; N 0.0300,Plg3.0000°,Azm193.0000°; P -3.3600,Plg16.0000°,Azm102.0000° $M_0$3.40000×10^{17}
ISC XI 26 10 24 14.4–1.2 29.28S–.06 178.4W–.10 162–11 4.0b 82 9-164
IDC XI 26 10 24 10.0–3.8 28.95S 178.20W 134–34 4.0,3.8b ¶12074885
ISCJB XI 26 10 24 13.8–.88 29.26S–.04 178.5W–.10 171–9 4.0b,3.8b
NEIC XI 26 10 24 15.2–1.9 29.13S 178.31W 177–17 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=19.9km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=5.7km az=14.9.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=13.8km az=97.0.
IDC XI 27 03 30 44.8–3.1 30.56S 178.41W 0 4.0,3.9b ¶12074986

IDC Error ellipse: s-maj=70.7km s-min=36.7km az=109.0.
ISC XI 28 00 30 03.3–1.2 30.27S–.06 177.5W–.20 35 4.3b 19 1-151
IDC XI 28 00 29 57.5–1.6 30.38S 177.31W 0 4.4b,4.4 ¶12075092
ISCJB XI 28 00 30 01.9–1.1 30.36S–.05 177.7W–.20 33 4.3b,4.4
NEIC XI 28 00 30 02.7–1.1 30.37S 177.43W 35 3.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=56.1km s-min=30.8km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=23.9km s-min=7.4km az=5.3.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=14.7km az=102.0.

IDC XI 28 06 41 46.1–5.5 29.07S 177.56W 0 4.0,3.8b ¶12075121
IDC Error ellipse: s-maj=271.0km s-min=83.0km az=164.0.
IDC XI 29 10 13 02.9–7.3 30.45S 178.61W 0 3.8,3.6 ¶12075248
IDC Error ellipse: s-maj=304.7km s-min=56.7km az=156.0.
IDC XII 01 10 58 57.0–4.7 29.65S 177.93W 0 3.9,3.7b ¶12075401
IDC Error ellipse: s-maj=185.7km s-min=71.9km az=159.0.
ISC XII 02 16 59 53.7–.65 30.22S–.06 177.2W–.10 35 4.3b,4.2s 34 1-160
IDC XII 02 16 59 48.3–.72 30.18S 177.02W 0 4.5,4.3 ¶12075524
ISCJB XII 02 16 59 52.0–.65 30.30S–.06 177.2W–.10 33 4.3b,4.2s
NEIC XII 02 16 59 53.8–.64 30.06S 177.03W 35 4.5b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=19.8km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=8.6km az=10.4.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=15.1km az=187.0.
IDC XII 02 17 17 35.5–5.6 29.97S 177.11W 0 3.9,3.7b ¶12075525
IDC Error ellipse: s-maj=215.4km s-min=51.7km az=150.0.
ISC XII 04 00 08 23.5–.49 30.21S–.03 178.56W–.08 145–5 4.5b 107 1-163
ISCJB XII 04 00 08 22.6–.48 30.17S–.03 178.63W–.08 147–5 4.5b ¶13401825
IDC XII 04 00 08 25.2–2.8 29.67S 178.46W 169–23 4.4,4.2b
NEIC XII 04 00 08 26.0–.72 29.67S 178.43W 178–6 4.5b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=4.7km az=12.4.
IDC Error ellipse: s-maj=18.9km s-min=16.9km az=19.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=8.7km az=105.0.
ISC XII 04 10 08 49.3–3.6 30.28S–.08 177.7W–.50 35 3.7b 12 1-145
IDC XII 04 10 08 44.5–3.3 30.28S 177.70W 0 4.0,3.8b ¶12075727
ISCJB XII 04 10 08 47.4–3.3 30.37S–.09 177.7W–.50 33 3.7b,3.8b
NEIC XII 04 10 08 48.8–1.7 30.30S 177.55W 35 3.8b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=72.3km s-min=37.4km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=66.0km s-min=7.4km az=9.1.
NEIC Event type se. Error ellipse: s-maj=36.9km s-min=12.2km az=99.0.
ISC XII 05 08 11 09.9–2.3 30.09S–.08 177.5W–.10 15–13 4.7b,3.4s 37 1-163
IDC XII 05 08 11 07.8–.78 29.87S 177.58W 0 4.7,4.5 ¶11653394
ISCJB XII 05 08 11 12.0–1.7 30.10S–.07 177.6W–.20 39–14 4.7b,3.4s
NEIC XII 05 08 11 13.0–1.7 30.03S 177.52W 36–14 4.9b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=21.8km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=11.1km az=7.5.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.4km az=100.0.
ISC XII 06 07 48 10.1–1.1 30.2S–.10 177.9W–.20 35 4.3b,4.0s 24 1-163
IDC XII 06 07 48 04.1–1.0 30.27S 177.72W 0 4.5,4.4b ¶13402059
ISCJB XII 06 07 48 07.5–1.0 30.2S–.10 177.9W–.20 33 4.3b,4.0s
NEIC XII 06 07 48 09.0–.74 30.11S 177.74W 35 4.5b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=23.9km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=13.1km az=20.7.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=12.7km az=112.0.
ISC XII 07 15 49 57.7–.31 30.54S–.03 177.70W–.07 59 5.0b,4.4s 201 1-170
ISCJB XII 07 15 49 55.9–.31 30.59S–.03 177.71W–.07 57 5.0b,4.4s ¶13402158
MOS XII 07 15 49 55.0–2.7 29.92S 177.85W 33 5.3b,4.4s
NEIC XII 07 15 49 56.9–.99 30.03S 177.76W 50–8 5.1b,4.9s
BJI XII 07 15 49 57.0 30.14S 177.93W 59 5.5b,5.4s
GCMT XII 07 15 49 58.7–.40 29.94S 177.49W 52–1 5.0W,5.4s
IDC XII 07 15 50 01.4–5.0 30.02S 177.81W 85–41 4.7,4.6
DJA XII 07 15 50 31 30.04S 178.60W 362 4.9b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.2km az=18.7.
MOS Error ellipse: s-maj=11.2km s-min=9.6km az=99.4.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.9km az=136.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s40,c48; s50,c67; Moment tensor: Scale 10^{16}Nm; M_{rr}4.45±.23 $M_{\theta\theta}$-0.13±.17; $M_{\phi\phi}$-4.33±.15; $M_{r\theta}$0.25±.13; $M_{\theta\phi}$-1.11±.12; $M_{\phi r}$1.35±.12; Best double couple: NP1:ϕ_s195.00000°,δ37.00000°,λ92.00000°. NP2:ϕ_s13.00000°,δ53.00000°,λ89.00000°. Principal axes: T 4.6500,Plg82.0000° ,Azm277.0000°; N 0.1500,Plg1.0000°,Azm14.0000°; P -4.8100,Plg8.0000°,Azm104.0000° M_o4.70000×10^{16}
IDC Error ellipse: s-maj=16.8km s-min=15.0km az=79.0.
IDC XII 08 06 39 51.8–4.8 29.15S 177.58W 0 4.0,3.8b
NEIC XII 08 06 40 02.6–.93 29.22S 178.35W 35 3.9b,3.8b ¶12076307
IDC Error ellipse: s-maj=179.1km s-min=75.0km az=156.0.
NEIC Event type se. Error ellipse: s-maj=116.0km s-min=11.9km az=182.0.
IDC XII 09 00 10 11.0–4.4 30.42S 177.54W 0 4.2,4.1b ¶12076443
IDC Error ellipse: s-maj=154.4km s-min=51.3km az=153.0.
IDC XII 09 13 48 13.2–8.5 30.43S 177.19W 0 3.4,3.4 ¶12076552
IDC Error ellipse: s-maj=362.4km s-min=60.3km az=155.0.
ISC XII 09 16 22 00.4–1.6 30.9S–.20 178.9W–.50 379–24 2.5b 22 7-145
IDC XII 09 16 22 01.2–9.5 30.72S 179.56W 342–96 2.8,2.7 ¶12076568
IDC Error ellipse: s-maj=99.5km s-min=51.3km az=12.0.
ISC XII 09 17 36 24.1–.73 30.5S–.10 177.0W–.10 40 4.7s,4.4b 25 1-163
NEIC XII 09 17 36 19.2–.45 30.64S 176.91W 10 4.9b,4.4b ¶12076578
ISCJB XII 09 17 36 22.1–.74 30.6S–.10 177.0W–.10 38 4.7s,4.4b
IDC XII 09 17 36 23.6–1.5 30.81S 176.89W 36–7 4.6s,4.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.0km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=15.1km az=159.6.
IDC Error ellipse: s-maj=47.4km s-min=26.7km az=163.0.
ISC XII 09 17 52 43.3–2.3 30.6S–.10 177.1W–.40 35 4.3b,3.4s 13 2-163
IDC XII 09 17 52 35.7–1.1 30.97S 176.61W 0 4.4s,4.4 ¶12076581
NEIC XII 09 17 52 38.4–.81 30.63S 176.90W 10 4.7b,4.4
ISCJB XII 09 17 52 41.9–2.0 30.7S–.10 177.2W–.30 33 4.3b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 10 14 59 46.8–7.4 30.41S 177.21W 0 3.6,3.5 ¶12076757
IDC Error ellipse: s-maj=313.4km s-min=56.3km az=155.0.
IDC XII 10 15 00 31.1–3.3 30.87S 177.15W 0 3.9,3.7 ¶12076758
IDC Error ellipse: s-maj=76.7km s-min=37.4km az=113.0.
IDC XII 10 22 24 18.9–6.1 30.08S 177.46W 0 4.1,3.8b ¶12076801
IDC Error ellipse: s-maj=245.2km s-min=54.4km az=154.0.
IDC XII 11 00 32 44.3–7.7 30.51S 177.08W 0 3.9,3.7 ¶12076823
IDC Error ellipse: s-maj=324.2km s-min=58.6km az=155.0.
ISC XII 11 06 34 28.5–2.0 30.12S–.07 177.7W–.20 16–12 4.5b 30 1-163
IDC XII 11 06 34 25.0–.72 29.94S 177.60W 0 4.5,4.4 ¶13402463
NEIC XII 11 06 34 26.2–.47 30.07S 177.47W 10 4.8b,4.4
ISCJB XII 11 06 34 27.9–1.8 30.17S–.07 177.7W–.20 23–13 4.5b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 11 23 45 45.1–5.4 29.42S 177.84W 0 3.7,3.5 ¶12077028
IDC Error ellipse: s-maj=292.8km s-min=79.8km az=165.0.
IDC XII 12 01 19 40.5–4.7 30.05S 177.37W 0 4.0,3.8b ¶12077036
IDC Error ellipse: s-maj=209.4km s-min=41.8km az=154.0.
IDC XII 13 08 26 37.2–7.2 30.47S 177.08W 0 4.1,3.8b ¶12077260
IDC Error ellipse: s-maj=305.8km s-min=53.9km az=155.0.
IDC XII 14 01 47 07.9–5.1 30.21S 178.00W 0 3.8,3.6 ¶12077370
IDC Error ellipse: s-maj=321.1km s-min=69.2km az=167.0.
IDC XII 16 01 16 27.2–5.1 29.17S 177.48W 0 3.7,3.6 ¶12077694
IDC Error ellipse: s-maj=234.6km s-min=81.0km az=164.0.
IDC XII 16 02 02 32.0–5.8 29.97S 177.40W 0 3.8,3.6 ¶12077697
IDC Error ellipse: s-maj=393.3km s-min=70.8km az=166.0.
ISC XII 17 09 14 50.9–1.1 30.90S–.07 177.5W–.20 35 4.1b,3.7s 20 2-162
IDC XII 17 09 14 45.3–.85 30.97S 177.48W 0 4.4,4.1 ¶11593850
NEIC XII 17 09 14 46.8–.61 30.96S 177.47W 10 4.4b,4.1
ISCJB XII 17 09 14 48.9–1.1 30.95S–.07 177.5W–.20 33 4.1b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 19 02 13 14.7–7.2 30.88S 177.85W 0 3.9,3.7 ¶12078138
IDC Error ellipse: s-maj=303.6km s-min=57.7km az=156.0.
IDC XII 20 19 59 07.2–8.0 30.76S 177.16W 0 3.9s,3.8 ¶12078380
IDC Error ellipse: s-maj=345.8km s-min=56.6km az=156.0.
IDC XII 21 22 14 22.0–5.1 29.32S 177.32W 0 4.0,3.7b ¶12078498
IDC Error ellipse: s-maj=231.3km s-min=81.9km az=164.0.
IDC XII 22 01 53 19.4–1.8 30.39S 178.45W 0 4.3,4.1b ¶12078507
IDC Error ellipse: s-maj=56.0km s-min=32.3km az=40.0.
IDC XII 23 21 56 00.6–4.6 29.54S 177.43W 0 3.8,3.6 ¶12078735
IDC Error ellipse: s-maj=226.3km s-min=72.2km az=165.0.
IDC XII 26 02 22 53.4–4.5 29.75S 177.85W 0 3.6,3.5 ¶12078982
IDC Error ellipse: s-maj=190.3km s-min=68.6km az=159.0.
IDC XII 26 02 23 42.3–4.6 29.72S 177.45W 0 3.8,3.7 ¶12078983
IDC Error ellipse: s-maj=197.2km s-min=70.4km az=159.0.

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ISC VII 02 01 40 50.9–.90 32.50S–.09 179.4E–.20 279–14 3.7b 53 4-146
ISCJB VII 02 01 40 49.9–.85 32.51S–.09 179.5E–.20 292–13 3.7b ¶11799229
NEIC VII 02 01 40 50.5–.94 32.41S 179.60E 282–14 3.7b
IDC VII 02 01 40 51.2–1.1 32.32S 179.60E 287–15 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.4km s-min=10.7km az=19.1.
NEIC Event type se. Error ellipse: s-maj=32.2km s-min=12.7km az=111.0.
IDC Error ellipse: s-maj=24.5km s-min=17.0km az=104.0.
ISC VII 04 21 26 43.9–2.9 32.69S–.08 179.96W–.09 20–21 4.8b,4.3s 52 4-160
IDC VII 04 21 26 40.0–.69 32.53S 179.84W 0 4.6,4.5 ¶11109359
ISCJB VII 04 21 26 42.3–2.7 32.74S–.08 179.98E–.09 21–19 4.8b,4.3s
GCMT VII 04 21 26 44.8–.20 32.75S 179.74E 12 5.1W,4.3s
NEIC VII 04 21 26 46.5–1.2 32.72S 179.92W 45–11 5.1b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=19.4km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=11.0km az=139.9.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s48,c76; s77,c141; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.36±.13 $M_{\theta\theta}$1.28±.12; $M_{\phi\phi}$2.07±.11; $M_{r\theta}$1.07±.36; $M_{\theta\phi}$4.35±.09; $M_{\phi r}$-0.20±.33; Best double couple: NP1:ϕ_s12.00000°,δ51.00000°,λ-137.00000°. NP2:ϕ_s251.00000°,δ57.00000°,λ-48.00000°. Principal axes: T 6.0800,Plg3.0000° ,Azm313.0000°; N -2.0500,Plg35.0000°,Azm45.0000°; P -4.0300,Plg55.0000° ,Azm218.0000° M_o5.10000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.3km az=143.0.
ISC VII 07 07 48 16.1–.46 33.39S–.05 177.70W–.09 35 4.7b,4.1s 63 4-160
IDC VII 07 07 48 11.3–.55 33.04S 177.85W 0 4.6,4.6 ¶13388404
ISCJB VII 07 07 48 14.2–.46 33.44S–.05 177.74W–.09 33 4.7b,4.1s
NEIC VII 07 07 48 16.4–2.4 33.41S 177.78W 39–22 4.8b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=16.2km az=175.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=4.5km az=29.7.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=13.5km az=184.0.
ISC VII 07 09 15 06.2–2.6 34.7S–.20 179.1E–.30 197–16 3.7b 40 3-153
IDC VII 07 09 14 45.2–7.1 33.16S 179.86W 47–59 4.6L,4.1 ¶13388411
NEIC VII 07 09 15 04.8–3.5 34.45S 178.67E 151–23 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=60.4km s-min=28.0km az=43.0.
NEIC Event type se. Error ellipse: s-maj=47.8km s-min=24.6km az=47.0.
IDC VII 13 06 29 49.5–4.8 32.17S 179.06E 527–62 3.2,3.1b ¶12698183
IDC Error ellipse: s-maj=82.1km s-min=32.8km az=12.0.
ISC VII 13 19 01 09.9–1.8 34.82S–.05 179.4W–.20 29–20 4.1b 52 3-153
IDC VII 13 19 01 06.0–1.4 34.47S 179.51W 0 4.4L,4.2 ¶11811496
NEIC VII 13 19 01 11.4–.89 34.82S 179.54W 35 4.4L,4.2
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=34.6km az=149.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=13.1km az=110.0.
IDC VII 16 09 38 34.6–2.9 32.12S 178.33W 0 4.0,3.7b ¶12698245
IDC Error ellipse: s-maj=69.1km s-min=44.7km az=121.0.
ISC VII 18 04 59 52.6–.60 32.06S–.05 179.8E–.10 380–7 4.0b 84 3-161
NEIC VII 18 04 59 48.6–.71 31.75S 179.86W 347–7 4.3b ¶13389483
IDC VII 18 04 59 50.3–1.5 31.42S 179.98W 353–14 3.9,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.4km az=134.0.
IDC Error ellipse: s-maj=16.8km s-min=16.2km az=143.0.
ISC VII 18 09 35 24.3–2.4 32.68S–.09 178.9W–.40 35 3.3b 10 5-147
IDC VII 18 09 35 18.9–3.0 32.29S 178.90W 0 3.8,3.6L ¶12698287
IDC Error ellipse: s-maj=68.6km s-min=45.3km az=113.0.
ISC VII 23 13 56 49.2–.53 32.27S–.05 179.6W–.10 154–7 4.5b 93 3-161
ISCJB VII 23 13 56 48.3–.54 32.23S–.04 179.7W–.10 156–7 4.5b ¶13389897
IDC VII 23 13 56 52.9–1.4 31.95S 179.48W 188–14 4.2,4.1
NEIC VII 23 13 56 53.9–1.1 31.89S 179.50W 197–10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=4.6km az=19.1.
IDC Error ellipse: s-maj=18.8km s-min=16.2km az=128.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.7km az=130.0.
ISC VII 26 03 34 11.4–1.1 32.26S–.09 177.9W–.20 35 4.7b,4.0s 24 7-161
IDC VII 26 03 34 05.3–1.4 32.24S 177.78W 0 4.6b,4.5 ¶13390122
ISCJB VII 26 03 34 09.0–1.1 32.36S–.09 177.8W–.20 33 4.7b,4.0s
NEIC VII 26 03 34 10.9–3.4 32.37S 177.83W 37–31 4.9b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=47.7km s-min=23.8km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=10.0km az=21.0.
NEIC Event type se. Error ellipse: s-maj=33.0km s-min=16.0km az=186.0.
ISC VII 27 01 54 49.5–6.0 32.14S–.08 178.1W–.10 19–36 4.4b 28 7-159
ISCJB VII 27 01 54 46.1–4.7 32.22S–.08 178.1W–.10 8–28 4.4b ¶13390227
IDC VII 27 01 54 46.1–.74 32.00S 177.96W 0 4.4,4.3b
NEIC VII 27 01 54 51.4–.36 32.09S 178.07W 35 4.7b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=10.1km az=32.4.
IDC Error ellipse: s-maj=28.7km s-min=22.0km az=146.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.7km az=144.0.
IDC VII 30 17 52 03.5–1.6 33.34S 178.68W 0 4.1,4.0L ¶12698499
IDC Error ellipse: s-maj=44.1km s-min=32.4km az=62.0.
ISC VII 30 22 07 24.8–2.4 32.8S–.10 179.5W–.20 73–20 4.2b 17 6-152
ISCJB VII 30 22 07 23.9–2.6 32.9S–.10 179.6W–.20 80–22 4.2b ¶11812969
NEIC VII 30 22 07 24.9–1.8 32.81S 179.49W 83–14 4.3b
IDC VII 30 22 07 26.4–7.9 33.00S 179.27W 99–79 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=19.1km az=161.8.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=13.3km az=64.0.
IDC Error ellipse: s-maj=95.3km s-min=33.0km az=171.0.
ISC VIII 02 03 10 07.3–.89 33.34S–.05 178.6W–.10 35 4.8b,4.4s 68 5-169
IDC VIII 02 03 10 01.8–.67 32.95S 178.52W 0 4.6L,4.5 ¶13390666
ISCJB VIII 02 03 10 04.3–.82 33.30S–.04 178.5W–.10 33 4.8b,4.4s

NEIC VIII 02 03 10 04.9–6.2 33.32S 178.37W 25–40 5.1b,4.4s
GCMT VIII 02 03 10 08.5–.30 33.08S 178.27W 21–1 5.0W,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=21.9km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=5.4km az=11.5.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=13.9km az=57.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s35,c45; s59,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}2.83±.19 $M_{\theta\theta}$0.69±.15; $M_{\phi\phi}$-3.52±.14; $M_{r\theta}$0.21±.29; $M_{\theta\phi}$-1.23±.11; $M_{\phi r}$2.67±.25; Best double couple: NP1:ϕ_s208.00000°,δ27.00000°,λ109.00000°. NP2:ϕ_s6.00000°,δ65.00000°,λ81.00000°. Principal axes: T 3.8200,Plg69.0000° ,Azm258.0000°; N 0.9500,Plg9.0000°,Azm10.0000°; P -4.7700,Plg19.0000°,Azm103.0000° M_o4.30000×10^{16}

ISC VIII 03 12 21 11.8–1.8 32.83S–.08 178.1W–.20 35 4.2b 23 6-160
IDC VIII 03 12 21 09.0–1.6 32.38S 178.64W 0 4.3,4.3 **¶12580911**
IDC Error ellipse: s-maj=41.5km s-min=28.9km az=61.0.
ISC VIII 05 04 21 09.3–2.6 33.75S–.06 178.5W–.10 4–16 4.3b,3.8s 31 5-159
ISCJB VIII 05 04 21 07.9–2.2 33.79S–.06 178.6W–.10 5–14 4.3b,3.8s **¶13390899**
IDC VIII 05 04 21 08.2–.66 33.51S 178.56W 0 4.7L,4.4
NEIC VIII 05 04 21 13.4–.48 33.64S 178.52W 35 4.8b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=7.8km az=20.1.
IDC Error ellipse: s-maj=23.9km s-min=22.8km az=135.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=12.0km az=150.0.
ISC VIII 16 03 57 01.0–2.5 33.37S–.07 179.7W–.20 19–19 4.4b 33 4-151
IDC VIII 16 03 56 54.0–1.0 33.03S 178.96W 0 4.5,4.3b **¶11227208**
NEIC VIII 16 03 56 58.8–.87 33.11S 178.88W 35 4.4b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=25.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=17.7km az=129.0.
ISC VIII 16 18 33 35.5–2.6 33.3S–.10 178.7W–.40 35 3.4b 9 6-148
IDC VIII 16 18 33 37.4–9.2 33.35S 178.74W 49–91 3.6L,3.6 **¶12581133**
IDC Error ellipse: s-maj=85.9km s-min=60.3km az=160.0.
IDC VIII 19 18 49 18.9–10 32.10S 178.07W 74–95 3.6,3.5
¶12581206
IDC Error ellipse: s-maj=82.1km s-min=57.8km az=161.0.
ISC VIII 19 21 40 44.9–.88 32.04S–.10 179.4E–.20 481–12 3.5b 65 6-154
ISCJB VIII 19 21 40 42.8–.81 31.95S–.09 179.5E–.20 482–11 3.5b **¶13392145**
NEIC VIII 19 21 40 42.7–.98 31.81S 179.49E 462–11 4.3b
IDC VIII 19 21 40 42.5–1.9 31.85S 179.59E 456–23 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=12.2km az=24.9.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=11.6km az=123.0.
IDC Error ellipse: s-maj=32.2km s-min=20.5km az=125.0.
ISC VIII 20 07 22 44.4–1.9 33.34S–.09 178.2W–.10 12–14 4.3b 53 5-160
IDC VIII 20 07 22 41.5–.77 32.68S 179.01W 0 5.1L,4.6 **¶13392182**
NEIC VIII 20 07 23 06.2–2.6 34.43S 179.81W 196–16 5.1L,4.6
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=22.8km az=14.0.
NEIC Event type se. Error ellipse: s-maj=32.8km s-min=14.6km az=52.0.
ISC VIII 24 02 59 43.0–.96 32.68S–.07 179.43W–.08 93–9 4.8b 112 5-172
ISCJB VIII 24 02 59 42.6–1.0 32.78S–.07 179.43W–.08 106–10 4.8b **¶13392448**
NEIC VIII 24 02 59 42.2–1.5 32.48S 179.62W 90–13 5.0b
IDC VIII 24 02 59 44.8–2.5 32.45S 179.65W 107–21 4.5,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=9.3km az=42.2.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=10.2km az=137.0.
IDC Error ellipse: s-maj=16.3km s-min=13.7km az=141.0.
ISC VIII 24 05 23 43.2–1.6 33.45S–.04 179.30W–.05 26–11 5.2b,4.8s 366 5-173
ISCJB VIII 24 05 23 41.2–1.6 33.51S–.04 179.29W–.05 23–11 5.2b,4.8s **¶13392456**
BJI VIII 24 05 23 42.3 33.37S 178.75W 46 5.5b,5.3s
MOS VIII 24 05 23 42.6–.96 33.17S 179.32W 33 5.6b,4.9s
NEIC VIII 24 05 23 45.3–.20 33.29S 179.38W 50 5.4b,4.9s
GCMT VIII 24 05 23 46.1–.10 33.30S 179.21W 63–2 5.3W,4.9s
IDC VIII 24 05 23 46.2–.56 33.17S 179.49W 59–4 4.8,4.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.9km az=44.5.
MOS Error ellipse: s-maj=14.2km s-min=12.0km az=77.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.4km az=138.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s78,c138; s90,c150; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29±.02 $M_{\theta\theta}$0.09±.02; $M_{\phi\phi}$0.21±.02; $M_{r\theta}$0.18±.01; $M_{\theta\phi}$-0.09±.02; $M_{\phi r}$1.18±.02; Best double couple: NP1:ϕ_s328.00000°,δ7.00000°,λ-129.00000°. NP2:ϕ_s187.00000°,δ84.00000°,λ-85.00000°. Principal axes: T 1.1700,Plg39.0000° ,Azm273.0000°; N 0.1100,Plg5.0000°,Azm7.0000°; P -1.2800,Plg50.0000°,Azm102.0000° M_o1.20000×10^{17}
IDC Error ellipse: s-maj=14.3km s-min=12.8km az=44.0.
ISC VIII 24 05 37 37.9–2.8 33.3S–.10 179.3W–.40 35 3.3b 10 6-147
IDC VIII 24 05 37 31.3–3.0 33.18S 179.06W 0 3.8L,3.7 **¶12581334**
IDC Error ellipse: s-maj=69.7km s-min=45.7km az=117.0.
ISC VIII 25 02 45 24.2–1.7 33.33S–.08 178.4W–.20 35 4.7b 25 6-160
IDC VIII 25 02 45 21.7–.85 32.94S 178.95W 0 4.8,4.7b **¶13392534**
NEIC VIII 25 02 45 26.5–.76 33.09S 178.92W 35 4.7b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=25.8km az=56.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=17.2km az=104.0.
ISC VIII 25 23 02 21.9–2.6 33.3S–.10 179.3W–.40 35 3.6b 10 6-160
IDC VIII 25 23 02 14.9–2.0 33.14S 178.97W 0 4.0,3.8 **¶12581407**
IDC Error ellipse: s-maj=47.9km s-min=43.4km az=61.0.
ISC VIII 25 23 32 15.2–3.2 33.28S–.10 179.5W–.50 35 3.5b 9 6-160
IDC VIII 25 23 32 08.3–2.1 33.45S 179.25W 0 3.8,3.6 **¶12581408**
IDC Error ellipse: s-maj=77.5km s-min=46.3km az=23.0.
IDC VIII 30 13 03 11.6–3.0 32.30S 178.39W 0 4.1,3.8b
¶12581568
IDC Error ellipse: s-maj=69.2km s-min=45.2km az=121.0.
ISC VIII 31 04 01 11.6–1.9 34.8S–.20 179.7E–.20 280–13 72 3-81
NEIC VIII 31 04 01 10.4–3.7 34.76S 179.79E 268–14 3.8b **¶12100397**
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=76.3km s-min=22.9km az=155.0.
ISC IX 01 01 17 34.0–.76 33.45S–.07 179.2W–.10 35 4.6b 25 5-175
IDC IX 01 01 17 29.8–.92 33.24S 179.44W 0 4.7b,4.7 **¶13393096**
ISCJB IX 01 01 17 32.4–.74 33.47S–.07 179.3W–.10 33 4.6b,4.7
NEIC IX 01 01 17 34.9–.74 33.36S 179.40W 35 4.7b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=27.2km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=8.0km az=18.9.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=19.8km az=120.0.
ISC IX 01 03 37 27.8–4.2 33.5S–.10 179.7W–.20 21–31 4.0b 13 5-148
IDC IX 01 03 37 21.8–1.9 33.24S 179.33W 0 4.2,4.1b **¶11909197**
IDC Error ellipse: s-maj=47.2km s-min=31.3km az=60.0.
ISC IX 02 02 40 17.8–.69 32.09S–.06 179.93E–.09 370–7 4.4b 121 6-172
IDC IX 02 02 40 14.0–1.9 31.69S 180.00E 328–18 4.3,4.2b **¶13393184**
ISCJB IX 02 02 40 15.3–.66 31.92S–.06 179.88E–.08 356–7 4.4b,4.2b
NEIC IX 02 02 40 15.5–1.1 31.76S 179.96E 345–10 4.7b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=13.1km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=9.0km az=16.5.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=10.3km az=105.0.
ISC IX 04 00 46 10.9–.79 32.43S–.05 178.59W–.09 39–8 4.4b,3.9s 66 3-161
ISCJB IX 04 00 46 08.8–.93 32.47S–.05 178.61W–.09 36–9 4.4b,3.9s **¶13393385**
IDC IX 04 00 46 12.2–5.9 32.20S 178.75W 41–48 4.4,4.3
NEIC IX 04 00 46 13.8–1.0 32.22S 178.70W 59–9 4.4b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=6.8km az=26.2.
IDC Error ellipse: s-maj=32.9km s-min=21.8km az=53.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.1km az=125.0.
ISC IX 04 05 38 33.7–2.0 32.49S–.09 179.9E–.30 100 3.6b 38 6-161
IDC IX 04 05 38 17.8–2.0 31.87S 179.20W 0 4.3L,4.1 **¶11909437**
IDC Error ellipse: s-maj=49.4km s-min=42.2km az=88.0.
ISC IX 05 09 07 39.8–1.7 32.49S–.10 179.0W–.30 100 4.0b 15 7-153
IDC IX 05 09 07 20.9–1.6 31.46S 177.90W 0 4.2,4.0 **¶11909515**
NEIC IX 05 09 07 31.1–7.0 32.55S 177.81W 94–59 4.5b,4.0
ISC Event type se.

IDC Error ellipse: s-maj=45.2km s-min=30.7km az=34.0.
NEIC Event type se. Error ellipse: s-maj=66.8km s-min=38.6km az=202.0.
ISC IX 14 16 52 18.8–2.4 33.6S–.10 178.7W–.40 100 3.3b 10 5-148
IDC IX 14 16 52 18.9–9.2 33.51S 178.91W 81–87 3.6L,3.4 **¶11910276**
IDC Error ellipse: s-maj=81.5km s-min=57.8km az=155.0.
ISC IX 19 16 21 16.3–1.7 32.1S–.20 179.3E–.50 448–42 3.0b 22 6-146
IDC IX 19 16 21 09.5–6.5 31.68S 179.75E 397–71 3.0,2.9 **¶11910633**
IDC Error ellipse: s-maj=79.6km s-min=38.4km az=11.0.
ISC IX 20 05 04 43.0–2.8 33.3S–.30 179.4W–.90 35–64 3.5b 11 5-147
IDC IX 20 05 04 35.9–3.1 33.28S 179.08W 0 3.8,3.7 **¶11910687**
IDC Error ellipse: s-maj=70.6km s-min=36.3km az=112.0.
ISC IX 21 10 17 19.5–1.6 33.8S–.10 179.5E–.20 295–11 3.9b 58 4-159
IDC IX 21 10 17 10.5–4.5 33.03S 179.73E 209–36 4.0,3.9b **¶11910760**
IDC Error ellipse: s-maj=40.1km s-min=16.9km az=48.0.
IDC IX 22 18 50 57.5–3.3 32.69S 178.57W 0 3.8,3.6b
¶11910849
IDC Error ellipse: s-maj=75.4km s-min=37.8km az=113.0.
ISC IX 24 17 30 01.0–1.0 34.03S–.07 179.39W–.08 69–8 4.4b 86 4-173
IDC IX 24 17 29 51.5–.47 33.63S 179.46W 0 4.8L,4.6 **¶11910939**
ISCJB IX 24 17 30 01.0–1.2 34.12S–.07 179.49W–.09 81–9 4.4b,4.6
NEIC IX 24 17 30 05.5–2.0 33.75S 179.74W 108–16 5.1b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=16.0km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=10.8km az=164.8.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=11.7km az=57.0.
ISC IX 27 16 37 38.9–1.4 34.6S–.10 179.5W–.20 115–16 3.4b 33 3-149
IDC IX 27 16 37 25.7–3.0 33.79S 179.27W 0 3.8,3.7L **¶11911216**
IDC Error ellipse: s-maj=70.9km s-min=45.8km az=120.0.
IDC IX 28 08 17 10.8–3.0 32.88S 178.46W 0 3.9,3.7L
¶11911259
IDC Error ellipse: s-maj=71.5km s-min=45.3km az=122.0.
IDC IX 28 18 31 47.4–3.3 32.55S 178.41W 0 4.0,3.7b
¶11911282
IDC Error ellipse: s-maj=73.1km s-min=47.5km az=118.0.
IDC IX 28 20 16 15.2–3.1 32.70S 178.33W 0 4.1,4.0
¶11911293
IDC Error ellipse: s-maj=64.2km s-min=36.1km az=111.0.
IDC X 01 06 06 45.0–1.1 32.58S 178.45W 0 4.4,4.2
¶13395585
IDC Error ellipse: s-maj=32.9km s-min=32.6km az=46.0.
IDC X 01 07 41 44.5–2.9 32.92S 178.25W 0 4.1,4.0b
¶11911538
IDC Error ellipse: s-maj=63.3km s-min=35.8km az=117.0.
IDC X 01 22 24 15.6–2.2 32.82S 178.40W 0 4.0,3.7b
¶11911595
IDC Error ellipse: s-maj=63.0km s-min=32.6km az=126.0.
IDC X 02 01 47 41.4–2.3 32.86S 178.20W 0 4.1,3.9b
¶11911676
IDC Error ellipse: s-maj=60.5km s-min=34.7km az=124.0.
IDC X 02 02 52 04.6–7.6 32.26S 179.88E 351–87 3.5,3.3b
¶11911678
IDC Error ellipse: s-maj=100.9km s-min=37.8km az=179.0.
ISC X 02 09 06 01.6–.94 32.87S–.07 178.3W–.20 10 4.3b,3.9s 40 5-153
ISCJB X 02 09 06 00.2–.91 32.91S–.07 178.4W–.20 10 4.3b,3.9s **¶13395766**
IDC X 02 09 06 00.6–.92 32.62S 178.33W 0 4.5,4.2
NEIC X 02 09 06 02.0–.58 32.77S 178.39W 10 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=7.0km az=18.8.
IDC Error ellipse: s-maj=41.8km s-min=27.6km az=175.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=12.1km az=117.0.
ISC X 02 13 06 33.9–1.1 33.05S–.06 180.0W–.20 100 4.6b 20 5-160
IDC X 02 13 06 14.1–1.4 31.45S 178.70W 0 4.8,4.6b **¶11911712**
IDC Error ellipse: s-maj=48.6km s-min=32.2km az=42.0.
ISC X 02 13 11 56.7–2.3 33.0S–.40 177.8W–.70 46–55 4.3b 22 6-154
IDC X 02 13 11 53.1–2.3 32.97S 178.17W 0 4.5,4.3b **¶11911714**
NEIC X 02 13 11 58.2–1.4 33.06S 178.16W 35 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=59.8km s-min=34.0km az=126.0.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=19.8km az=109.0.
ISC X 02 15 11 40.1–.85 32.85S–.07 178.4W–.20 35 4.2b,3.6s 30 5-153
IDC X 02 15 11 34.6–1.6 32.86S 178.31W 0 4.3,4.1 **¶11911724**
ISCJB X 02 15 11 38.1–.86 32.91S–.07 178.5W–.20 33 4.2b,3.6s
NEIC X 02 15 11 40.0–10 32.93S 178.38W 34–72 4.4b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=46.7km s-min=27.7km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=7.4km az=20.5.
NEIC Event type se. Error ellipse: s-maj=37.8km s-min=21.4km az=46.0.
ISC X 02 16 59 07.9–2.1 33.2S–.40 177.4W–.60 66–44 4.3b 26 6-154
IDC X 02 16 59 05.6–2.2 32.82S 178.22W 0 4.4,4.3 **¶11911728**
NEIC X 02 16 59 10.3–1.6 32.98S 178.13W 35 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=52.2km s-min=33.4km az=126.0.
NEIC Event type se. Error ellipse: s-maj=33.7km s-min=21.6km az=106.0.
ISC X 02 17 00 56.6–2.1 32.80S–.05 178.5W–.10 16–13 4.6b 65 5-162
ISCJB X 02 17 00 54.4–1.8 32.86S–.05 178.5W–.10 13–11 4.6b **¶13395804**
NEIC X 02 17 00 58.7–.33 32.84S 178.38W 35 5.0b
IDC X 02 17 00 58.3–4.5 32.81S 178.37W 31–30 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=6.5km az=15.1.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=9.3km az=138.0.
IDC Error ellipse: s-maj=23.2km s-min=19.8km az=61.0.
IDC X 05 17 58 45.4–8.8 32.80S 179.47W 123–85 3.8L,3.7
¶12066044
IDC Error ellipse: s-maj=77.3km s-min=54.8km az=169.0.
IDC X 06 20 28 29.8–1.7 32.52S 178.13W 0 4.2,4.1
¶12066187
IDC Error ellipse: s-maj=43.7km s-min=39.9km az=178.0.
ISC X 08 17 53 27.5–6.9 32.92S–.10 178.8W–.30 2–46 4.0b 15 6-147
IDC X 08 17 53 25.2–1.8 32.75S 178.52W 0 4.1,4.0b **¶12066350**
NEIC X 08 17 53 30.6–1.7 32.89S 178.61W 35 4.4b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=29.2km az=50.0.
NEIC Event type se. Error ellipse: s-maj=34.8km s-min=23.5km az=77.0.
ISC X 15 04 14 09.4–1.8 33.63S–.09 179.7W–.30 35 3.6b 9 5-160
IDC X 15 04 14 03.6–1.3 33.52S 179.63W 0 3.9,3.8 **¶12068658**
IDC Error ellipse: s-maj=36.7km s-min=28.2km az=82.0.
ISC X 19 13 56 12.7–.86 33.94S–.06 179.49E–.08 194–8 4.5b 106 4-159
ISCJB X 19 13 56 10.7–.80 33.85S–.06 179.52E–.08 188–7 4.6b **¶13397507**
NEIC X 19 13 56 11.4–1.6 33.24S 179.73E 178–14 4.7b
IDC X 19 13 56 12.4–4.3 33.19S 179.68E 188–38 4.4,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=8.9km az=17.4.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.3km az=150.0.
IDC Error ellipse: s-maj=16.6km s-min=15.9km az=79.0.
ISC X 20 01 27 24.9–2.0 33.87S–.04 179.38E–.08 0–14 4.8b,4.1s 50 4-159
ISCJB X 20 01 27 23.9–1.7 33.89S–.04 179.38E–.08 6–11 4.8b,4.1s **¶13397553**
IDC X 20 01 27 24.9–1.1 33.95S 179.43E 0 4.7,4.5
GCMT X 20 01 27 26.0–.20 33.74S 179.65E 19–1 5.0W,4.5
DJA X 20 01 27 30 34.12S 179.53W 19 5.4b,4.5
NEIC X 20 01 27 31.1–.77 34.08S 179.21E 35 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.3km az=5.0.
IDC Error ellipse: s-maj=29.0km s-min=26.0km az=76.0.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s37,c50; s73,c108; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.93±.16 $M_{\theta\theta}$1.13±.12; $M_{\phi\phi}$0.80±.12; $M_{r\theta}$1.36±.25; $M_{\theta\phi}$3.76±.09; $M_{\phi r}$0.31±.25; Best double couple: NP1:ϕ_s4.00000°,δ60.00000°,λ-163.00000°. NP2:ϕ_s265.00000°,δ75.00000°,λ-31.00000°. Principal axes: T 4.9400,Plg10.0000° ,Azm317.0000°; N -1.6900,Plg56.0000°,Azm62.0000°; P -3.2500,Plg32.0000° ,Azm221.0000° M_o4.10000×10^{16}
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=13.7km az=121.0.
ISC X 20 04 22 37.2–2.7 33.9S–.10 179.4E–.20 35–25 4.2b 13 4-159

IDC X 20 04 22 38.5–3.4 33.92S 178.43E 0 4.6,4.4b ¶12069105
IDC Error ellipse: s-maj=71.5km s-min=32.2km az=66.0.
IDC X 20 17 07 11.2–2.4 32.13S 178.25W 0 3.9,3.7
¶12069143
IDC Error ellipse: s-maj=61.1km s-min=35.4km az=119.0.
ISC X 22 03 52 22.2–.14 32.32S–.04 177.18W–.05 35 4.9b,4.3s 257 3-161
IDC X 22 03 52 16.8–.48 31.93S 177.16W 0 4.7,4.7 ¶13397768
ISCJB X 22 03 52 20.3–.14 32.37S–.04 177.21W–.05 33 4.9b,4.3s
MOS X 22 03 52 21.5–.98 31.90S 177.29W 33 5.2b,4.3s
GCMT X 22 03 52 21.7–.40 31.91S 176.86W 26–0 5.0W,4.3s
BJI X 22 03 52 23.5 31.61S 177.10W 50 5.4b,5.3s
NEIC X 22 03 52 24.0–1.1 31.83S 177.28W 47–9 5.0b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=18.4km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=2.9km az=40.4.
MOS Error ellipse: s-maj=15.4km s-min=13.4km az=83.6.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s27,c32; s53,c74; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.18±.22 $M_{\theta\theta}$0.03±.15; $M_{\phi\phi}$3.15±.14; $M_{r\theta}$0.58±.37; $M_{\theta\phi}$0.91±.10; $M_{\phi r}$-0.24±.24; Best double couple: NP1:ϕ_s206.00000°,δ45.00000°,λ-74.00000°. NP2:ϕ_s4.00000°,δ47.00000°,λ-106.00000°. Principal axes: T 3.4000,Plg1.0000° ,Azm105.0000°; N -0.0900,Plg11.0000°,Azm15.0000°; P -3.3000,Plg79.0000° ,Azm199.0000° $M_0$3.40000×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.8km az=132.0.
ISC X 27 10 49 01.7–1.5 32.22S–.09 178.5W–.20 35 4.3b 22 7-161
IDC X 27 10 48 54.5–1.2 32.12S 178.13W 0 4.4,4.3 ¶12071231
NEIC X 27 10 48 59.6–1.1 32.13S 178.07W 35 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=31.7km az=167.0.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=20.1km az=98.0.
ISC XI 02 12 09 29.4–.82 34.9S–.10 179.5E–.20 325–10 3.5b 76 3-148
IDC XI 02 12 09 27.0–1.7 34.89S 179.83E 313–26 3.6,3.5 ¶12071984
ISCJB XI 02 12 09 27.6–.80 34.8S–.10 179.6E–.20 326–10 3.5b,3.5
ISC XI 04 11 16 02.2–1.1 34.5S–.10 178.6E–.20 243–14 3.6b 42 3-159
ISCJB XI 04 11 15 59.6–1.1 34.38S–.10 178.7E–.20 231–14 3.6b ¶12072236
NEIC XI 04 11 16 05.9–3.3 34.78S 178.37E 264–26 4.0b
IDC XI 04 11 16 06.1–3.7 34.70S 178.47E 272–29 3.4,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=12.4km az=29.3.
NEIC Event type se. Error ellipse: s-maj=49.4km s-min=19.4km az=212.0.
IDC Error ellipse: s-maj=46.8km s-min=22.3km az=37.0.
ISC XI 06 07 35 36.3–.95 33.32S–.06 179.6W–.20 35 4.1b 62 5-160
IDC XI 06 07 35 29.1–1.1 33.08S 179.08W 0 4.9L,4.3 ¶13399404
IDC Error ellipse: s-maj=33.4km s-min=25.2km az=62.0.
ISC XI 10 09 52 01.4–.41 32.06S–.03 179.31W–.04 113–4 5.0b 435 3-172
BJI XI 10 09 51 59.1 31.13S 178.36W 107 5.5b,5.3b ¶13399740
ISCJB XI 10 09 52 00.0–.46 32.06S–.03 179.37W–.04 113–4 5.0b,5.3b
DJA XI 10 09 52 00 32.43S 178.40W 153 5.0b,5.3b
NEIC XI 10 09 52 02.5–.85 31.98S 179.30W 130–7 5.2b,5.3b
MOS XI 10 09 52 03.1–.96 31.74S 179.38W 139 5.3b,5.3b
GCMT XI 10 09 52 07.5–.30 31.61S 179.21W 151–2 5.1W,5.3b
IDC XI 10 09 52 07.1–.88 31.68S 179.41W 166–7 4.5,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.0km az=34.3.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.4km az=142.0.
MOS Error ellipse: s-maj=13.2km s-min=10.7km az=68.9.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s35,c39; s69,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.75±.17 $M_{\theta\theta}$-2.07±.20; $M_{\phi\phi}$4.82±.17; $M_{r\theta}$-2.99±.15; $M_{\theta\phi}$2.53±.17; $M_{\phi r}$1.03±.15; Best double couple: NP1:ϕ_s54.00000°,δ60.00000°,λ-34.00000°. NP2:ϕ_s163.00000°,δ61.00000°,λ-145.00000°. Principal axes: T 5.6500,Plg0.0000° ,Azm288.0000°; N 0.3400,Plg46.0000°,Azm198.0000°; P -5.9900,Plg44.0000°,Azm18.0000° $M_0$5.80000×10^{16}
IDC Error ellipse: s-maj=12.1km s-min=10.0km az=7.0.
ISC XI 14 08 59 47.0–1.6 33.0S–.10 179.2E–.20 217–19 3.7b 23 5-147
IDC XI 14 08 59 36.8–7.1 32.38S 179.97W 160–54 3.7,3.6b ¶12073502
IDC Error ellipse: s-maj=61.7km s-min=26.3km az=47.0.
ISC XI 16 08 06 00.6–4.9 32.1S–.20 176.3W–.70 35 4.1b 17 3-147
IDC XI 16 08 06 03.5–3.0 32.03S 177.40W 0 4.0,3.9 ¶12073720
NEIC XI 16 08 06 03.2–2.1 32.01S 177.17W 10 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=65.0km s-min=35.7km az=118.0.
NEIC Event type se. Error ellipse: s-maj=43.8km s-min=15.5km az=105.0.
ISC XI 17 04 31 18.3–2.6 32.4S–.10 179.9E–.20 325–20 3.6b 17 6-161
IDC XI 17 04 31 06.3–9.1 31.73S 179.66W 225–65 3.8,3.7b ¶12073820
IDC Error ellipse: s-maj=85.7km s-min=32.6km az=44.0.
ISC XI 20 18 57 26.3–3.2 32.8S–.10 178.6W–.20 42–25 3.6b 12 5-160
IDC XI 20 18 57 21.3–2.0 32.63S 178.69W 0 3.9,3.7b ¶12074301
IDC Error ellipse: s-maj=45.6km s-min=43.4km az=71.0.
IDC XI 26 01 15 14.7–6.8 32.07S 179.12E 543–95 3.4,3.2
¶12074848
IDC Error ellipse: s-maj=127.2km s-min=39.8km az=6.0.
ISC XI 26 23 44 41.9–1.0 32.53S–.08 179.4E–.10 362–8 3.6b 70 5-161
IDC XI 26 23 44 31.6–4.7 31.86S 179.91W 290–38 3.7,3.7 ¶12074975
NEIC XI 26 23 44 32.9–3.8 31.99S 179.91W 308–28 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=17.6km az=46.0.
NEIC Event type se. Error ellipse: s-maj=44.1km s-min=19.3km az=46.0.
IDC XI 27 02 05 34.0–3.2 32.71S 178.59W 0 3.9,3.8
¶12074982
IDC Error ellipse: s-maj=71.4km s-min=36.9km az=113.0.
ISC XI 29 00 22 33.9–1.0 32.33S–.08 179.4E–.10 405–7 4.0b 51 6-161
NEIC XI 29 00 22 30.7–2.2 32.01S 179.78E 394–19 4.3b ¶12075206
ISCJB XI 29 00 22 31.4–1.2 32.18S–.09 179.5E–.10 401–10 4.0b
IDC XI 29 00 22 31.2–2.2 32.03S 179.64E 396–20 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=14.2km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=14.5km az=163.9.
IDC Error ellipse: s-maj=22.3km s-min=15.2km az=30.0.
ISC XI 30 15 36 18.3–.90 32.5S–.10 179.2E–.30 419–25 3.1b 57 6-146
IDC XI 30 15 36 17.2–5.7 32.55S 179.57E 443–68 2.8,2.8 ¶12075348
NEIC XI 30 15 36 17.6–2.8 32.79S 179.68E 461–23 3.4b,2.8
ISC Event type se.
IDC Error ellipse: s-maj=81.4km s-min=33.8km az=15.0.
NEIC Event type se. Error ellipse: s-maj=48.0km s-min=18.7km az=224.0.
ISC XII 04 04 07 08.2–1.2 32.3S–.10 179.3E–.20 548–13 4.4b 48 6-161
IDC XII 04 04 07 03.9–3.0 31.81S 179.35E 483–31 3.9,3.8b ¶13401838
ISCJB XII 04 04 07 05.9–1.2 32.2S–.10 179.4E–.20 537–14 4.4b,3.8b
NEIC XII 04 04 07 06.5–1.6 32.00S 179.29E 517–17 4.4b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=22.5km az=27.0.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=16.4km az=170.5.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=17.3km az=207.0.
ISC XII 05 13 34 46.5–.77 32.78S–.06 179.6E–.10 307–8 4.3b 112 4-160
NEIC XII 05 13 34 44.5–.80 32.73S 179.72E 296–9 4.5b ¶12075889
IDC XII 05 13 34 46.4–2.2 32.56S 179.56E 308–21 4.1,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=9.8km az=118.0.
IDC Error ellipse: s-maj=18.6km s-min=15.6km az=124.0.
IDC XII 05 18 56 16.0–3.0 32.53S 179.06W 0 3.8,3.7
¶12075914
IDC Error ellipse: s-maj=65.7km s-min=35.8km az=109.0.
ISC XII 06 11 16 50.9–2.4 34.3S–.10 177.8W–.20 76–22 4.0b 16 5-149
IDC XII 06 11 16 45.9–3.0 33.87S 178.31W 0 4.5s,4.5 ¶12076017
IDC Error ellipse: s-maj=64.8km s-min=35.9km az=122.0.
ISC XII 07 01 13 48.8–4.4 33.3S–.10 177.6W–.30 4–38 3.5b 12 6-148
IDC XII 07 01 13 48.3–2.9 33.18S 177.68W 0 3.8,3.7 ¶12076093
IDC Error ellipse: s-maj=74.6km s-min=35.5km az=125.0.
ISC XII 09 00 02 42.3–2.0 33.61S–.05 178.7W–.10 29–15 4.5b 57 5-160
IDC XII 09 00 02 37.5–.87 33.49S 178.51W 0 4.6,4.5 ¶11653415
ISCJB XII 09 00 02 39.7–2.1 33.64S–.06 178.7W–.10 25–16 4.5b,4.5
NEIC XII 09 00 02 42.9–1.4 33.59S 178.63W 35–12 4.7b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=24.6km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=7.0km az=24.4.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=10.6km az=61.0.
ISC XII 09 16 50 42.0–4.8 33.5S–.20 178.3W–.70 35 4.3b 16 6-154
IDC XII 09 16 50 37.9–2.3 33.38S 178.37W 0 4.5,4.4 ¶12076574
NEIC XII 09 16 50 43.0–1.3 33.55S 178.40W 35 4.4b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=56.6km s-min=41.9km az=140.0.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=17.8km az=107.0.
ISC XII 12 16 03 30.5–.65 34.08S–.04 180.0W–.10 35 4.4b 67 4-159
IDC XII 12 16 03 23.8–.71 33.52S 179.61W 0 4.6,4.4b ¶13402568
ISCJB XII 12 16 03 27.8–.61 34.11S–.04 179.9W–.10 33 4.4b,4.4b
NEIC XII 12 16 03 31.8–1.4 34.03S 179.85W 55–12 4.5b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=23.1km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=5.1km az=13.2.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=12.9km az=121.0.
IDC XII 12 18 13 18.4–2.8 33.53S 178.70W 0 4.3,4.1b
¶12077161
IDC Error ellipse: s-maj=67.1km s-min=35.2km az=120.0.
IDC XII 13 20 40 57.4–3.0 32.14S 177.71W 0 4.0,3.8b
¶12077332
IDC Error ellipse: s-maj=74.0km s-min=45.1km az=126.0.
ISC XII 13 22 14 42.1–2.1 32.99S–.09 178.4W–.30 35 4.0b 14 5-147
IDC XII 13 22 14 45.5–8.6 33.01S 178.77W 47–82 4.1L,4.0 ¶12077344
IDC Error ellipse: s-maj=67.4km s-min=53.9km az=6.0.
ISC XII 15 14 34 53.4–3.4 33.9S–.20 178.1W–.50 35 4.0b 16 5-148
ISCJB XII 15 14 34 51.6–2.9 33.9S–.20 178.1W–.50 33 4.0b ¶12077616
IDC XII 15 14 34 51.4–2.2 33.87S 178.50W 0 4.3,4.1b
NEIC XII 15 14 34 56.0–1.5 33.79S 178.46W 35 4.1b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=58.7km s-min=9.5km az=22.1.
IDC Error ellipse: s-maj=54.3km s-min=33.5km az=132.0.
NEIC Event type se. Error ellipse: s-maj=34.9km s-min=14.1km az=119.0.
ISC XII 20 22 48 07.4–2.3 32.9S–.10 178.3W–.30 101–23 3.4b 16 6-160
IDC XII 20 22 47 58.2–1.9 32.25S 178.66W 0 3.8,3.7 ¶12078392
IDC Error ellipse: s-maj=46.5km s-min=42.3km az=68.0.
IDC XII 21 03 34 47.6–2.9 32.02S 176.53W 0 4.2,4.1L
¶12078410
IDC Error ellipse: s-maj=69.4km s-min=41.5km az=133.0.
IDC XII 22 12 34 29.0–1.8 32.01S 178.46W 0 4.1,3.9s
¶12078561
IDC Error ellipse: s-maj=42.9km s-min=35.0km az=101.0.
IDC XII 22 12 56 00.7–3.1 32.25S 177.95W 0 3.9,3.7
¶12078564
IDC Error ellipse: s-maj=71.5km s-min=36.9km az=117.0.
ISC XII 23 13 09 06.4–1.8 35.0S–.10 179.9W–.20 42–22 4.1b 20 3-158
IDC XII 23 13 09 14.9–2.4 34.97S 178.01E 0 4.4,4.3b ¶12078678
IDC Error ellipse: s-maj=55.0km s-min=29.7km az=64.0.
ISC XII 23 15 36 45.6–2.0 33.5S–.10 179.5E–.20 131–15 4.0b 40 5-160
IDC XII 23 15 36 39.8–5.8 33.19S 179.83W 110–47 4.0,3.8 ¶13403769
NEIC XII 23 15 36 44.2–4.2 33.14S 179.95E 145–35 4.9b,3.8
ISCJB XII 23 15 36 46.3–1.9 33.6S–.10 179.4E–.20 147–15 4.0b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 24 02 04 31.1–2.7 33.9S–.10 179.2W–.40 35 3.0b 10 5-148
IDC XII 24 02 04 27.0–2.9 33.77S 179.34W 0 3.6,3.5L ¶12078757
IDC Error ellipse: s-maj=68.2km s-min=35.6km az=114.0.
ISC XII 26 01 23 27.2–1.2 33.75S–.06 178.61W–.08 52–11 4.8b,3.8s 63 5-167
ISCJB XII 26 01 23 26.6–1.3 33.88S–.06 178.56W–.09 71–13 4.8b,3.8s ¶13404022
IDC XII 26 01 23 27.6–3.1 33.49S 178.64W 53–26 4.5,4.4
NEIC XII 26 01 23 27.9–1.3 33.62S 178.61W 59–11 4.9b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.3km az=31.9.
IDC Error ellipse: s-maj=19.4km s-min=18.2km az=129.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=10.4km az=188.0.
ISC XII 26 16 30 03.4–.73 32.61S–.05 179.3W–.10 192–7 4.7b 262 4-172
BJI XII 26 16 30 01.6 32.50S 179.10W 193 5.3b,5.1b ¶13404075
ISCJB XII 26 16 30 03.2–.69 32.58S–.05 179.4W–.10 195–7 4.7b,5.1b
NEIC XII 26 16 30 03.8–.62 32.33S 179.60W 169–5 4.9b,5.1b
IDC XII 26 16 30 10.9–2.3 32.19S 179.89W 221–20 4.4,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=7.1km az=14.8.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.2km az=105.0.
IDC Error ellipse: s-maj=14.6km s-min=10.7km az=14.0.
ISC XII 26 17 05 58.8–1.2 32.6S–.10 179.9W–.30 402–14 3.4b 35 5-147
IDC XII 26 17 05 49.6–8.4 31.57S 179.88E 269–91 3.4,3.3 ¶12079073
IDC Error ellipse: s-maj=87.3km s-min=44.0km az=178.0.
ISC XII 27 03 51 29.9–2.4 33.5S–.30 179.5W–.80 43–61 3.2b 13 4-148
IDC XII 27 03 51 21.4–3.3 33.33S 179.09W 0 3.9L,3.7 ¶12079128
IDC Error ellipse: s-maj=71.9km s-min=46.9km az=113.0.
ISC XII 27 19 32 58.5–2.2 33.6S–.10 178.8W–.30 61–23 3.4b 17 5-148
IDC XII 27 19 32 53.3–2.9 33.24S 179.11W 0 3.8L,3.8 ¶12079206
IDC Error ellipse: s-maj=66.6km s-min=44.7km az=120.0.
ISC XII 31 08 23 39.9–1.4 32.1S–.10 179.2E–.30 407–17 3.1b 23 5-146
IDC XII 31 08 23 33.2–8.2 31.69S 179.73E 371–95 3.3,3.1 ¶12079637
IDC Error ellipse: s-maj=103.3km s-min=40.4km az=3.0.
ISC XII 31 09 18 54.8–.95 32.84S–.09 179.0E–.20 382–11 3.4b 60 5-146
IDC XII 31 09 18 44.6–5.0 31.96S 179.77E 321–41 3.6,3.4 ¶12079643
IDC Error ellipse: s-maj=54.9km s-min=23.5km az=43.0.

SEISMIC REGION 13.
Fiji Area.

(180) North of Fiji Islands.

IDC XI 30 14 59 05.4–46 12.79S 178.33W 0 4.0,3.8b
¶12075347
IDC Error ellipse: s-maj=853.3km s-min=166.6km az=72.0.

(181) Fiji Islands region.

ISC VII 01 02 08 39.1–2.3 17.7S–.80 177.1W–.30 402–24 3.8b 12 5-147
IDC VII 01 02 08 34.2–2.5 18.09S 177.47W 300–25 4.0,3.8b ¶11799126
ISCJB VII 01 02 08 38.1–2.4 17.8S–.80 177.1W–.30 410–25 3.8b,3.8b
NEIC VII 01 02 08 39.3–1.6 17.41S 177.23W 402–17 3.6b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=102.8km s-min=17.8km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=128.8km s-min=12.2km az=159.7.
NEIC Event type se. Error ellipse: s-maj=117.1km s-min=15.9km az=159.0.
ISC VII 01 09 34 22.5–.82 16.4S–.20 176.2W–.10 374–11 3.6b 15 5-145
ISCJB VII 01 09 34 21.7–.86 16.4S–.20 176.2W–.10 380–12 3.6b ¶11799159
IDC VII 01 09 34 21.3–1.4 16.29S 176.31W 356–18 3.5,3.4
NEIC VII 01 09 34 23.0–1.0 16.36S 176.19W 379–11 3.9b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.8km s-min=14.2km az=147.7.
IDC Error ellipse: s-maj=31.6km s-min=13.8km az=140.0.
NEIC Event type se. Error ellipse: s-maj=32.1km s-min=13.8km az=149.0.
IDC VII 01 12 09 47.5–25 19.39S 178.08W 380–257 3.4,3.2b
¶12697916
IDC Error ellipse: s-maj=188.0km s-min=58.7km az=153.0.
IDC VII 01 20 11 37.9–4.5 19.19S 176.94W 0 4.2,4.0b
¶12697928
IDC Error ellipse: s-maj=179.1km s-min=59.8km az=143.0.
ISC VII 02 01 58 46.1–1.0 17.5S–.30 178.6W–.10 574–13 4.4b 16 3-146
IDC VII 02 01 58 44.5–2.0 17.58S 178.58W 546–24 3.6,3.5 ¶11799231
ISCJB VII 02 01 58 45.0–1.0 17.5S–.30 178.6W–.10 578–14 4.4b,3.5
NEIC VII 02 01 58 45.7–.89 17.54S 178.54W 573–11 4.4b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=16.6km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=42.4km s-min=17.8km az=164.2.
NEIC Event type se. Error ellipse: s-maj=37.9km s-min=14.7km az=162.0.

IDC VII 02 04 50 59.2–21 19.64S 178.13W 650–277 3.2,3.0
¶12697936

IDC Error ellipse: s-maj=233.3km s-min=62.8km az=144.0.
ISC VII 02 12 46 03.4–.50 19.36S–.04 177.64W–.04 577–6 4.5b 384 4-174
ISCJB VII 02 12 46 02.9–.54 19.37S–.04 177.69W–.04 585–7 4.5b **¶11006854**
NEIC VII 02 12 46 02.4–.21 19.23S 177.60W 569 4.4b
IDC VII 02 12 46 03.2–.54 19.26S 177.64W 577–5 4.2,4.2
SZGRF VII 02 12 46 03.2 19.74S 177.70W 587 4.2,4.2
MOS VII 02 12 46 04.5–1.8 19.26S 177.79W 573 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.2km az=40.6.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.9km az=132.0.
IDC Error ellipse: s-maj=11.4km s-min=8.6km az=140.0.
SZGRF Fiji Islands region.
MOS Error ellipse: s-maj=14.4km s-min=12.9km az=99.1.
IDC VII 02 16 06 20.9–31 20.55S 179.36W 0 3.9,3.7
¶12697946

IDC Error ellipse: s-maj=578.0km s-min=145.8km az=88.0.
ISC VII 02 16 28 27.8–2.3 18.9S–.10 177.60W–.10 398–26 3.9b 29 4-147
ISCJB VII 02 16 28 26.8–1.2 18.8S–.10 177.64W–.10 401–15 3.9b **¶11799277**
IDC VII 02 16 28 27.9–2.0 18.90S 177.57W 402–21 3.8,3.7
NEIC VII 02 16 28 31.8–1.1 18.94S 177.67W 445–11 3.9b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=11.4km az=143.9.
IDC Error ellipse: s-maj=17.0km s-min=11.1km az=154.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=12.0km az=147.0.
ISC VII 03 08 26 00.4–7.4 20.6S–.70 178.1W–.90 567–32 3.8b 8 5-143
NEIC VII 03 08 25 59.6–3.8 20.66S 178.05W 565–22 4.1b **¶11810478**
IDC VII 03 08 26 00.7–28 20.47S 178.24W 563–268 3.4,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=91.1km s-min=25.4km az=139.0.
IDC Error ellipse: s-maj=192.1km s-min=104.6km az=73.0.
IDC VII 03 08 52 15.9–74 21.61S 178.99W 0 3.8,3.6b
¶12697964

IDC Error ellipse: s-maj=1334.0km s-min=162.6km az=84.0.
IDC VII 03 11 11 27.4–59 14.19S 178.84W 0 4.1,3.9b
¶15035520

IDC Error ellipse: s-maj=1086.0km s-min=173.9km az=74.0.
ISC VII 03 14 28 57.8–.94 19.8S–.20 177.4W–.10 533–16 3.9b 17 5-147
IDC VII 03 14 28 56.0–1.8 19.88S 177.51W 494–28 3.7,3.5b **¶11810514**
ISCJB VII 03 14 28 57.1–.89 19.8S–.20 177.4W–.10 540–17 3.9b,3.5b
NEIC VII 03 14 28 58.1–.90 19.88S 177.50W 528–12 4.1b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=19.9km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=15.5km az=159.5.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=16.3km az=174.0.
ISC VII 03 16 54 50.6–1.3 17.8S–.20 178.8W–.20 608–14 3.6b 14 3-126
ISCJB VII 03 16 54 49.7–1.3 17.8S–.20 178.8W–.20 615–15 3.6b **¶11810529**
NEIC VII 03 16 54 50.5–1.0 17.74S 178.78W 610–11 4.0b
IDC VII 03 16 54 52.5–6.1 17.74S 178.79W 632–75 3.3,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.7km s-min=16.6km az=140.9.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=12.2km az=143.0.
IDC Error ellipse: s-maj=97.1km s-min=28.5km az=152.0.
ISC VII 03 17 38 46.5–1.6 20.3S–.20 178.0W–.20 479–21 3.5b 9 9-148
ISCJB VII 03 17 38 45.5–1.7 20.2S–.20 178.1W–.20 477–21 3.5b **¶11810532**
NEIC VII 03 17 38 46.9–1.2 20.31S 177.97W 490–14 3.6b
IDC VII 03 17 38 47.1–2.3 20.33S 177.97W 490–26 3.6,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.3km s-min=16.6km az=142.6.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=12.1km az=144.0.
IDC Error ellipse: s-maj=35.0km s-min=15.1km az=151.0.
ISC VII 03 18 31 26.2–.63 17.9S–.10 178.66W–.07 602–7 4.3b 196 3-153
SZGRF VII 03 18 30 20.7 18.33S 177.50W 33 4.3b **¶11008904**
IDC VII 03 18 31 22.5–1.8 17.97S 178.48W 561–22 3.9,3.9
ISCJB VII 03 18 31 25.8–.63 17.9S–.10 178.72W–.07 612–7 4.3b,3.9
BJI VII 03 18 31 25.2 17.94S 178.93W 596 4.6b,4.3b
NEIC VII 03 18 31 25.1–.86 17.99S 178.58W 595–10 4.3b,4.3b
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=19.3km s-min=11.9km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=6.7km az=152.5.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=8.7km az=144.0.
IDC VII 03 19 40 42.9–56 16.90S 178.29W 0 4.1,3.9b
¶12697989

IDC Error ellipse: s-maj=1024.0km s-min=160.7km az=78.0.
IDC VII 03 20 34 02.6–52 19.31S 178.03W 0 4.0,3.8b
¶12697992

IDC Error ellipse: s-maj=950.2km s-min=148.7km az=81.0.
IDC VII 04 06 20 20.7–50 18.31S 177.11W 0 4.2,4.0b
¶12697999

IDC Error ellipse: s-maj=922.2km s-min=160.2km az=80.0.
IDC VII 04 19 13 55.8–7.3 20.64S 178.67W 518–78 3.2,3.0
¶12698013

IDC Error ellipse: s-maj=148.1km s-min=30.6km az=159.0.
IDC VII 05 20 58 13.5–34 21.53S 176.46W 0 4.2,4.0b
¶12698031

IDC Error ellipse: s-maj=616.3km s-min=144.9km az=78.0.
ISC VII 06 04 03 11.4–1.2 21.1S–.10 179.1W–.10 619–13 4.1b 38 4-148
IDC VII 06 04 03 09.1–2.7 21.04S 178.98W 594–33 3.9,3.6b **¶11810767**
ISCJB VII 06 04 03 10.1–1.1 21.2S–.10 179.1W–.10 624–13 4.1b,3.6b
NEIC VII 06 04 03 11.0–.84 21.11S 179.09W 621–9 4.0b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=16.9km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=10.2km az=140.2.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=8.0km az=148.0.
ISC VII 06 10 23 06.6–1.0 17.59S–.09 177.32W–.06 314–10 4.3b 259 6-146
ISCJB VII 06 10 23 05.6–.95 17.66S–.10 177.32W–.07 318–9 4.3b **¶11086374**
BJI VII 06 10 23 06.0 17.35S 177.55W 305 4.8b,4.4b
IDC VII 06 10 23 07.2–2.1 17.77S 177.21W 327–22 4.1,3.9b
NEIC VII 06 10 23 07.3–1.0 17.74S 177.23W 328–10 4.2b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=5.5km az=148.7.
IDC Error ellipse: s-maj=20.0km s-min=11.3km az=141.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=5.7km az=146.0.
ISC VII 06 13 23 07.7–.79 17.77S–.07 178.49W–.04 548–9 4.5b 350 8-175
SZGRF VII 06 13 22 08.9 17.81S 177.72W 33 4.5b **¶11086384**
DJA VII 06 13 22 49 18.09S 177.49W 411 5.2b
ISCJB VII 06 13 23 05.7–.74 17.75S–.07 178.54W–.04 537–8 4.5b
MOS VII 06 13 23 06.5–1.1 17.56S 178.56W 538 4.6b
IDC VII 06 13 23 07.8–1.1 17.83S 178.44W 555–12 4.1,4.1
NEIC VII 06 13 23 07.8–.63 17.78S 178.47W 556–7 4.4b,4.1
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=4.4km az=164.5.
MOS Error ellipse: s-maj=13.4km s-min=10.0km az=158.1.
IDC Error ellipse: s-maj=13.8km s-min=9.0km az=151.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.3km az=155.0.
ISC VII 07 01 30 50.8–1.0 17.7S–.30 178.7W–.20 557–12 4.2b 17 3-146
ISCJB VII 07 01 30 49.7–1.1 17.7S–.30 178.6W–.20 567–13 4.2b **¶11810843**
IDC VII 07 01 30 49.6–2.1 17.49S 178.89W 526–28 3.8,3.6b
NEIC VII 07 01 30 50.7–.99 17.69S 178.70W 555–10 4.4b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=48.8km s-min=18.5km az=149.4.
IDC Error ellipse: s-maj=46.3km s-min=17.2km az=147.0.
NEIC Event type se. Error ellipse: s-maj=45.8km s-min=14.8km az=155.0.
ISC VII 07 10 22 07.7–1.5 19.8S–.10 177.9W–.10 395–15 4.0b 22 4-148
IDC VII 07 10 22 05.2–6.2 19.74S 177.83W 369–64 3.9,3.7b **¶11810873**
ISCJB VII 07 10 22 07.4–1.5 19.8S–.10 178.0W–.10 404–15 4.0b,3.7b
NEIC VII 07 10 22 07.5–2.6 19.80S 177.88W 393–14 4.3b,3.7b
ISC Event type se.

IDC Error ellipse: s-maj=35.9km s-min=18.5km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=24.0km s-min=16.4km az=137.0.
NEIC Event type se. Error ellipse: s-maj=59.5km s-min=17.8km az=52.0.
IDC VII 07 10 31 51.2–2.5 17.71S 177.77W 0 4.0,3.8
¶12698058

IDC Error ellipse: s-maj=217.1km s-min=24.1km az=156.0.
NEIC VII 07 16 46 58.6–4.1 20.28S 178.11W 561–23 4.1b
IDC VII 07 16 46 56.4–41 19.90S 178.28W 520–381 3.4s,3.4 **¶11810897**
NEIC Event type se. Error ellipse: s-maj=100.8km s-min=30.9km az=137.0.
IDC Error ellipse: s-maj=264.5km s-min=110.6km az=82.0.
ISC VII 08 05 27 56.9–.79 20.2S–.10 178.26W–.10 581–10 4.0b 25 4-148
ISCJB VII 08 05 27 56.2–.81 20.3S–.10 178.29W–.10 586–11 4.0b **¶11810966**
NEIC VII 08 05 27 56.9–.78 20.13S 178.21W 586–9 4.5b
IDC VII 08 05 27 58.2–2.1 20.33S 178.32W 601–27 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=12.1km az=143.8.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=12.4km az=133.0.
IDC Error ellipse: s-maj=29.1km s-min=12.2km az=156.0.
ISC VII 09 23 14 03.8–1.3 17.3S–.10 178.9W–.10 517–17 4.0b 34 8-145
ISCJB VII 09 23 14 02.6–1.3 17.3S–.10 178.9W–.10 516–17 4.0b **¶11811128**
IDC VII 09 23 14 03.7–2.1 17.29S 178.88W 514–26 3.6,3.5
NEIC VII 09 23 14 03.6–.80 17.32S 178.86W 518–10 4.0b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=11.7km az=142.4.
IDC Error ellipse: s-maj=33.5km s-min=13.8km az=148.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.9km az=142.0.
IDC VII 10 00 37 44.4–5.1 16.30S 176.33W 0 4.7,4.5b
¶12698107

IDC Error ellipse: s-maj=184.9km s-min=54.5km az=133.0.
ISC VII 10 16 22 07.5–1.2 19.6S–.20 177.6W–.20 559–22 4.2b 15 8-89
ISCJB VII 10 16 22 06.9–1.2 19.6S–.20 177.7W–.20 567–23 4.2b **¶11811184**
IDC VII 10 16 22 07.9–1.5 19.56S 177.64W 567–25 3.4,3.3
NEIC VII 10 16 22 07.8–1.1 19.63S 177.60W 564–19 4.6b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.5km s-min=17.8km az=43.5.
IDC Error ellipse: s-maj=26.0km s-min=16.0km az=141.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=15.6km az=145.0.
IDC VII 10 23 43 19.4–3.9 19.66S 176.51W 0 4.4,4.2b
¶12698125

IDC Error ellipse: s-maj=145.8km s-min=57.1km az=146.0.
IDC VII 11 20 18 54.1–31 20.92S 177.52W 0 4.1,3.9b
¶12698140

IDC Error ellipse: s-maj=601.4km s-min=155.0km az=90.0.
IDC VII 11 20 20 45.7–3.6 16.75S 176.87W 0 4.3,4.1b
¶12698141

IDC Error ellipse: s-maj=163.6km s-min=48.8km az=142.0.
IDC VII 11 21 24 40.2–52 19.11S 176.60W 0 4.1,3.9
¶12698143

IDC Error ellipse: s-maj=965.9km s-min=169.6km az=81.0.
IDC VII 12 07 38 05.0–2.4 16.19S 178.39W 0 3.9,3.7
¶12698156

IDC Error ellipse: s-maj=248.6km s-min=26.5km az=156.0.
ISC VII 12 07 39 09.9–.82 19.14S–.09 177.45W–.09 548–11 4.5b 58 8-154
DJA VII 12 07 38 05 19.75S 173.67W 105 5.5b **¶11133614**
SZGRF VII 12 07 38 06.9 20.64S 176.28W 33 5.5b
ISCJB VII 12 07 39 09.4–.82 19.18S–.09 177.49W–.09 556–12 4.5b
IDC VII 12 07 39 10.1–1.4 19.17S 177.39W 556–16 4.0,3.9
BJI VII 12 07 39 11.5 18.68S 177.32W 566 4.6b,4.5b
NEIC VII 12 07 39 11.0–.82 19.03S 177.49W 566–9 4.3b,4.5b
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=9.2km az=140.2.
IDC Error ellipse: s-maj=23.9km s-min=11.4km az=145.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=7.2km az=149.0.
IDC VII 12 10 36 37.7–8.3 19.92S 177.73W 352–79 3.7,3.6b
¶12698160

IDC Error ellipse: s-maj=47.1km s-min=22.4km az=47.0.
ISC VII 12 16 27 52.3–3.0 17.3S–.30 179.1W–.30 533–31 3.4b 13 9-145
IDC VII 12 16 27 48.1–7.5 17.35S 179.01W 485–87 3.4,3.3 **¶11811373**
ISCJB VII 12 16 27 52.0–3.1 17.3S–.30 179.2W–.30 540–33 3.4b,3.3
NEIC VII 12 16 27 51.4–2.7 17.41S 179.07W 526–26 3.3b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=27.2km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=54.5km s-min=17.0km az=137.4.
NEIC Event type se. Error ellipse: s-maj=45.4km s-min=15.4km az=142.0.
ISC VII 12 18 09 10.3–1.1 20.9S–.10 178.4W–.10 571–12 4.1b 30 5-148
ISCJB VII 12 18 09 09.4–1.1 20.99S–.09 178.4W–.10 576–13 4.1b **¶11811382**
NEIC VII 12 18 09 10.1–1.2 20.85S 178.33W 580–12 4.3b
IDC VII 12 18 09 12.3–2.5 21.17S 178.26W 604–30 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=13.4km az=32.7.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=13.9km az=150.0.
IDC Error ellipse: s-maj=27.3km s-min=13.6km az=156.0.
ISC VII 13 01 22 18.3–1.2 17.7S–.10 178.76W–.10 538–16 4.0b 29 8-150
ISCJB VII 13 01 22 17.3–1.2 17.7S–.10 178.80W–.10 538–17 4.0b **¶11811419**
IDC VII 13 01 22 17.9–1.9 17.78S 178.74W 537–23 3.6,3.5
NEIC VII 13 01 22 17.8–.92 17.75S 178.79W 536–11 3.9b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=10.3km az=151.1.
IDC Error ellipse: s-maj=25.4km s-min=14.3km az=145.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=8.5km az=149.0.
IDC VII 13 02 36 40.7–15 17.67S 178.59W 510–177 3.5,3.3b
¶12698175

IDC Error ellipse: s-maj=86.2km s-min=29.9km az=13.0.
IDC VII 13 22 54 42.8–61 16.62S 176.99E 0 4.5,4.3b
¶12698201

IDC Error ellipse: s-maj=1083.0km s-min=152.0km az=75.0.
ISC VII 14 15 38 53.1–1.0 21.0S–.10 179.3W–.10 621–12 4.0b 30 4-150
SZGRF VII 14 15 37 39.7 23.71S 177.69W 33 4.0b **¶11811566**
ISCJB VII 14 15 38 52.4–.99 21.0S–.10 179.3W–.10 630–12 4.0b
NEIC VII 14 15 38 52.4–.89 20.97S 179.17W 621–9 4.0b
IDC VII 14 15 38 55.0–2.3 21.21S 179.24W 654–30 3.6,3.4
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=13.9km az=152.5.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=11.0km az=124.0.
IDC Error ellipse: s-maj=31.1km s-min=11.5km az=160.0.
IDC VII 14 19 08 22.5–49 18.07S 176.07W 0 4.2,4.0b
¶12698219

IDC Error ellipse: s-maj=911.9km s-min=164.5km az=80.0.
IDC VII 15 08 19 49.3–1.4 15.45S 178.38W 0 4.3,4.0b
¶12698227

IDC Error ellipse: s-maj=53.5km s-min=28.9km az=174.0.
ISC VII 15 10 33 20.9–.71 17.20S–.05 177.27W–.04 364–6 4.7b 180 5-154
DJA VII 15 10 32 22 17.80S 173.62W 29 5.6b **¶11126419**
ISCJB VII 15 10 33 19.8–.63 17.18S–.05 177.31W–.04 365–6 4.7b
NEIC VII 15 10 33 20.4–.90 17.15S 177.24W 363–8 4.7b
IDC VII 15 10 33 21.5–1.4 17.26S 177.21W 377–13 4.4,4.4
SZGRF VII 15 10 33 26.2 16.63S 177.19W 33 4.4,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.9km az=154.5.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.6km az=145.0.
IDC Error ellipse: s-maj=16.0km s-min=9.7km az=144.0.
SZGRF Fiji Islands region.
ISC VII 15 14 06 54.5–1.5 17.9S–.20 178.6W–.20 571–15 3.6b 12 3-145
ISCJB VII 15 14 06 53.5–1.5 18.0S–.20 178.6W–.20 573–15 3.6b **¶11811658**
NEIC VII 15 14 06 54.0–1.4 18.04S 178.56W 568–13 3.4b
IDC VII 15 14 06 54.6–6.8 17.89S 178.59W 573–75 3.3,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.0km s-min=28.4km az=149.7.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=22.9km az=111.0.

IDC Error ellipse: s-maj=43.0km s-min=25.3km az=30.0.
ISC VII 15 15 54 41.5–3.2 21.1S–.50 178.7W–.30 557–26 4.0b 11 5-148
IDC VII 15 15 54 40.3–3.6 20.80S 178.76W 545–34 3.5,3.3b ¶11811665
ISCJB VII 15 15 54 41.0–3.2 21.1S–.50 178.8W–.30 564–28 4.0b,3.3b
NEIC VII 15 15 54 41.9–2.6 20.96S 178.75W 568–19 4.4b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=78.5km s-min=26.2km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=94.7km s-min=24.1km az=151.4.
NEIC Event type se. Error ellipse: s-maj=71.4km s-min=18.4km az=149.0.
ISC VII 16 04 57 22.1–.81 17.4S–.20 177.9W–.20 502–11 4.5b 22 4-154
IDC VII 16 04 57 20.3–1.8 16.89S 178.34W 450–32 4.2,4.1b ¶11811715
ISCJB VII 16 04 57 21.2–.75 17.4S–.20 177.9W–.10 506–11 4.5b,4.1b
NEIC VII 16 04 57 22.5–1.0 17.48S 177.96W 500–9 4.5b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=110.1km s-min=17.2km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=38.6km s-min=12.1km az=150.3.
NEIC Event type se. Error ellipse: s-maj=45.0km s-min=11.8km az=153.0.
IDC VII 16 10 17 58.0–2.0 21.12S 178.19W 538–40 3.4,3.3
¶12698246
IDC Error ellipse: s-maj=30.0km s-min=21.6km az=97.0.
ISC VII 16 16 21 09.8–1.5 20.1S–.20 178.5W–.20 541–16 3.6b 13 4-147
IDC VII 16 16 21 02.5–4.4 19.69S 178.42W 452–47 3.4,3.2 ¶11811758
ISCJB VII 16 16 21 09.3–1.4 20.0S–.20 178.5W–.20 547–16 3.6b,3.2
NEIC VII 16 16 21 09.6–.97 20.04S 178.44W 541–11 4.2b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=16.0km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=31.9km s-min=19.1km az=145.6.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=12.3km az=146.0.
IDC VII 16 21 19 05.6–2.4 17.17S 176.62W 0 4.4,4.2b
¶12698261
IDC Error ellipse: s-maj=163.3km s-min=31.6km az=151.0.
IDC VII 17 06 40 42.1–1.9 15.46S 178.02W 0 4.1,3.8
¶12698267
IDC Error ellipse: s-maj=210.2km s-min=27.1km az=150.0.
ISC VII 17 16 25 15.0–1.5 21.4S–.20 178.7W–.20 468–20 3.6b 12 10-152
SZGRF VII 17 16 24 23.7 21.40S 179.14W 33 3.6b ¶11783279
ISCJB VII 17 16 25 13.3–1.5 21.3S–.20 178.7W–.20 456–20 3.6b
IDC VII 17 16 25 15.5–2.1 21.41S 178.67W 480–25 3.6,3.4
NEIC VII 17 16 25 15.8–1.6 21.43S 178.63W 489–19 3.6,3.4
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=30.0km s-min=12.9km az=137.4.
IDC Error ellipse: s-maj=30.3km s-min=14.5km az=152.0.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=16.7km az=138.0.
ISC VII 17 22 09 25.6–.71 19.14S–.09 177.45W–.08 577–9 3.7b 36 4-153
ISCJB VII 17 22 09 25.0–.71 19.17S–.09 177.50W–.08 585–9 3.7b ¶11811871
IDC VII 17 22 09 25.8–1.7 19.15S 177.71W 562–19 3.5,3.4
NEIC VII 17 22 09 26.0–.73 19.16S 177.51W 578–8 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=9.8km az=147.8.
IDC Error ellipse: s-maj=22.7km s-min=11.7km az=150.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.3km az=143.0.
ISC VII 17 23 59 19.5–1.6 17.9S–.10 177.8W–.10 413–20 4.0b 29 7-147
ISCJB VII 17 23 59 18.3–1.4 17.9S–.10 177.9W–.10 413–18 4.0b ¶11811884
NEIC VII 17 23 59 19.6–1.2 17.91S 177.78W 417–14 4.0b
IDC VII 17 23 59 20.7–7.5 17.87S 177.85W 423–75 3.9,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=12.7km az=136.7.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=9.8km az=143.0.
IDC Error ellipse: s-maj=72.7km s-min=30.9km az=150.0.
ISC VII 18 00 35 50.8–.84 19.72S–.09 178.06W–.09 565–12 4.0b 39 4-152
SZGRF VII 18 00 34 47.9 20.53S 177.11W 33 4.0b ¶11342223
ISCJB VII 18 00 35 50.2–.85 19.77S–.09 178.10W–.09 573–12 4.0b
IDC VII 18 00 35 51.0–1.4 19.80S 177.96W 575–17 3.7,3.6
NEIC VII 18 00 35 51.0–.78 19.74S 178.03W 575–9 4.4b,3.6
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=10.3km az=43.4.
IDC Error ellipse: s-maj=20.7km s-min=11.0km az=141.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.4km az=130.0.
IDC VII 19 02 35 23.8–7.2 17.53S 177.83W 0 4.0,3.8
¶12698302
IDC Error ellipse: s-maj=318.9km s-min=34.8km az=142.0.
ISC VII 19 11 23 29.1–1.4 20.1S–.10 177.6W–.10 533–15 4.0b 20 5-173
SZGRF VII 19 11 22 40.8 16.76S 175.53W 33 4.0b ¶11812055
IDC VII 19 11 23 27.7–4.5 20.04S 177.58W 518–49 3.7,3.5
ISCJB VII 19 11 23 28.5–1.4 20.1S–.10 177.7W–.10 538–15 4.0b,3.5
NEIC VII 19 11 23 29.0–1.2 20.10S 177.62W 537–13 4.2b,3.5
ISC Event type se.
SZGRF Tonga Islands.
IDC Error ellipse: s-maj=22.0km s-min=20.1km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=25.3km s-min=16.3km az=140.8.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=14.3km az=136.0.
ISC VII 19 22 34 16.5–.68 20.12S–.05 178.48W–.04 571–8 4.7b 446 4-160
SZGRF VII 19 22 34 09.8 20.33S 177.92W 516 4.7b ¶11133696
ISCJB VII 19 22 34 15.7–.67 20.13S–.05 178.52W–.04 575–8 4.7b
NEIC VII 19 22 34 16.8–.64 20.09S 178.48W 576–7 4.7b
IDC VII 19 22 34 17.2–1.0 20.12S 178.38W 584–10 4.3,4.3
DJA VII 19 22 34 18 20.06S 178.79W 572 5.0b,4.3
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.9km az=162.7.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.4km az=140.0.
IDC Error ellipse: s-maj=12.8km s-min=9.5km az=130.0.
ISC VII 19 22 39 52.6–.07 17.40S–.02 177.28W–.02 389 5.9b 1087 4-167
NOU VII 19 22 39 04.3–.59 7.42S 177.34E 0–999 5.9b ¶12951442
SZGRF VII 19 22 39 09.5 18.41S 177.48W 382 5.9b
BGS VII 19 22 39 49.6–8.2 17.34S 177.31W 391–0 5.9b
BJI VII 19 22 39 50.5 17.08S 176.96W 384 5.9b,5.8b
MOS VII 19 22 39 50.8–.94 17.33S 177.33W 384 6.0b,5.4s
ISCJB VII 19 22 39 51.1–.07 17.40S–.02 177.31W–.02 387 5.9b,5.4s
DJA VII 19 22 39 51 17.47S 177.11W 393 6.1W,5.4s
NEIC VII 19 22 39 52.7–.06 17.34S 177.31W 391 6.4W,6.3W
IDC VII 19 22 39 52.7–.33 17.30S 177.31W 387–2 5.6,5.6
GCMT VII 19 22 39 56.8–.10 17.22S 177.05W 395–0 6.4W,5.6
ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Fiji Islands region.
BGS Error ellipse: s-maj=235.1km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=8.5km s-min=6.3km az=67.8.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=1.8km az=140.5.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.4km az=128.0. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ65.00000° ,λ-80.00000°. NP2:ϕ_s292.00000°,δ27.00000°,λ-110.00000°. Principal axes: T Plg19.0000° ,Azm218.0000°; N Plg0.0000°,Azm0.0000°; P Plg68.0000°,Azm65.0000° Moment Tensor Solution. s98 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.69 $M_{\theta\theta}$2.26 $M_{\phi\phi}$0.43 $M_{r\theta}$-0.95 $M_{\theta\phi}$-1.09 $M_{\phi r}$1.85 Best double couple: NP1:ϕ_s135.00000°,δ64.00000°,λ-71.00000°. NP2:ϕ_s278.00000° ,δ32.00000°,λ-123.00000°. Principal axes: T 3.2600,Plg16.0000°,Azm211.0000° ; N 0.3100,Plg16.0000°,Azm306.0000°; P -3.5800,Plg65.0000°,Azm79.0000° M_o3.40000×10^{18}
IDC Error ellipse: s-maj=7.5km s-min=6.6km az=163.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 106 sta. Moment Tensor Solution. s115,c306; s99,c194; Moment tensor: Scale 10^{18}Nm; M_{rr}-3.50±.02 $M_{\theta\theta}$3.72±.04; $M_{\phi\phi}$-0.22±.04; $M_{r\theta}$-0.77±.03; $M_{\theta\phi}$-3.19±.04; $M_{\phi r}$2.02±.03; Best double couple: NP1: ϕ_s271.00000°,δ42.00000°,λ-134.00000°. NP2:ϕ_s143.00000°,δ61.00000°,λ-58.00000°. Principal axes: T 5.8000,Plg10.0000°,Azm211.0000°; N -1.2700,Plg28.0000°,Azm307.0000° ; P -4.5300,Plg60.0000°,Azm102.0000° M_o5.20000×10^{18}
ISC VII 20 05 31 28.9–2.1 20.5S–.20 176.3W–.20 45–24 3.8b 14 8-148
IDC VII 20 05 31 30.2–4.0 20.45S 176.23W 60–38 3.9,3.8 ¶11812137
NEIC VII 20 05 31 31.9–2.0 20.53S 175.88W 93–21 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=21.9km az=137.0.
NEIC Event type se. Error ellipse: s-maj=31.5km s-min=15.7km az=133.0.
ISC VII 20 13 57 33.8–.82 18.7S–.20 177.5W–.20 574–14 3.7b 12 4-146
ISCJB VII 20 13 57 33.1–.83 18.8S–.20 177.5W–.20 579–15 3.7b ¶11812183
IDC VII 20 13 57 34.1–1.9 18.28S 177.87W 552–27 3.2,3.1
NEIC VII 20 13 57 34.3–.99 18.66S 177.54W 573–12 4.2b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.6km s-min=14.7km az=145.7.
IDC Error ellipse: s-maj=126.1km s-min=18.8km az=144.0.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=17.7km az=134.0.
ISC VII 22 18 51 42.7–3.1 16.6S–.20 177.4W–.20 42–27 4.2s,4.1b 11 5-176
IDC VII 22 18 51 36.8–1.3 16.44S 177.40W 0 4.4,4.2s ¶11153572
ISCJB VII 22 18 51 40.9–3.4 16.7S–.20 177.4W–.20 42–28 4.2s,4.1b
NEIC VII 22 18 51 41.8–.53 16.66S 177.32W 35 4.5b,4.1b
GCMT VII 22 18 51 42.2–.30 16.91S 176.91W 12 5.0W,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=97.8km s-min=21.9km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=42.0km s-min=22.2km az=144.3.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=11.7km az=155.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s31,c40; s86,c128; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.33±.13 $M_{\theta\theta}$-3.72±.12; $M_{\phi\phi}$4.06±.10; $M_{r\theta}$-0.51±.33; $M_{\theta\phi}$1.05±.12; $M_{\phi r}$1.22±.31; Best double couple: NP1:ϕ_s53.00000°,δ73.00000°,λ2.00000°. NP2:ϕ_s322.00000°,δ88.00000°,λ163.00000°. Principal axes: T 4.4700,Plg14.0000° ,Azm276.0000°; N -0.4800,Plg73.0000°,Azm136.0000°; P -3.9900,Plg11.0000°,Azm9.0000° M_o4.20000×10^{16}
ISC VII 23 05 15 20.5–.79 17.94S–.08 178.09W–.07 560–10 4.4b 58 4-148
SZGRF VII 23 05 14 16.7 19.86S 179.25W 33 4.4b ¶11480093
ISCJB VII 23 05 15 20.0–.79 17.95S–.08 178.14W–.07 568–11 4.4b
IDC VII 23 05 15 21.0–1.3 18.01S 178.05W 569–15 3.9,3.9
BJI VII 23 05 15 21.1 18.00S 178.10W 582 4.6b,4.4b
NEIC VII 23 05 15 22.1–.65 17.95S 178.09W 582–7 4.8b,4.4b
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.5km az=142.5.
IDC Error ellipse: s-maj=13.3km s-min=10.5km az=136.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.2km az=157.0.
ISC VII 23 08 32 24.9–.92 17.7S–.10 178.7W–.10 564–10 4.2b 32 3-145
IDC VII 23 08 32 23.3–1.8 17.74S 178.62W 542–20 3.9,3.7 ¶11812427
NEIC VII 23 08 32 24.5–.71 17.74S 178.60W 561–8 4.4b,3.7
ISCJB VII 23 08 32 25.3–1.2 17.7S–.10 178.8W–.10 581–13 4.2b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 23 09 14 26.0–1.2 18.0S–.10 178.2W–.10 552–12 4.1b 31 4-152
SZGRF VII 23 09 13 28.9 17.94S 177.98W 33 4.1b ¶11342277
IDC VII 23 09 14 19.2–3.8 17.86S 178.03W 472–43 3.8,3.7
BJI VII 23 09 14 24.6 18.00S 178.20W 547 4.7b,4.5b
ISCJB VII 23 09 14 25.3–1.1 18.0S–.10 178.3W–.10 557–13 4.1b,4.5b
NEIC VII 23 09 14 25.8–1.0 17.99S 178.22W 548–10 4.5b,4.5b
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=19.8km s-min=19.0km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=13.3km az=36.4.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=13.4km az=116.0.
IDC VII 23 12 54 57.1–.98 14.59S 177.51W 0 4.4s,4.4
¶11153613
IDC Error ellipse: s-maj=53.6km s-min=21.5km az=141.0.
ISC VII 23 13 14 06.8–1.4 17.5S–.30 179.0W–.20 573–14 3.5b 11 3-87
ISCJB VII 23 13 14 06.2–1.4 17.4S–.30 179.1W–.20 578–15 3.5b ¶11812440
NEIC VII 23 13 14 06.6–1.1 17.49S 178.98W 572–11 3.5b
IDC VII 23 13 14 13.7–11 17.50S 179.14W 659–146 3.3,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=59.2km s-min=19.1km az=147.3.
NEIC Event type se. Error ellipse: s-maj=43.2km s-min=13.9km az=147.0.
IDC Error ellipse: s-maj=71.5km s-min=31.3km az=121.0.
ISC VII 23 13 24 22.5–1.3 14.7S–.60 177.6W–.30 35 4.4b,4.3s 17 6-145
IDC VII 23 13 24 17.1–1.7 14.55S 177.57W 0 4.5,4.3s ¶11153614
NEIC VII 23 13 24 17.2–.99 15.39S 177.07W 10 4.7b,4.3s
GCMT VII 23 13 24 20.2–.30 14.68S 177.06W 14–1 5.0W,4.3s
ISCJB VII 23 13 24 20.7–1.3 14.7S–.60 177.6W–.30 33 4.4b,4.3s
ISC Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s32,c39; s76,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}0.13±.12 $M_{\theta\theta}$-0.78±.12; $M_{\phi\phi}$0.65±.11; $M_{r\theta}$-0.69±.26; $M_{\theta\phi}$3.33±.12; $M_{\phi r}$0.58±.27; Best double couple: NP1:ϕ_s83.00000°,δ80.00000°,λ-9.00000°. NP2:ϕ_s175.00000°,δ81.00000°,λ-170.00000°. Principal axes: T 3.3400,Plg0.0000° ,Azm309.0000°; N 0.3500,Plg77.0000°,Azm217.0000°; P -3.6800,Plg13.0000°,Azm39.0000° M_o3.50000×10^{16}
ISCJB Event type se.
IDC VII 23 13 43 56.0–2.0 14.64S 177.31W 0 4.2,3.9
¶11153617
IDC Error ellipse: s-maj=130.9km s-min=32.6km az=151.0.
IDC VII 23 13 48 57.8–2.0 14.47S 177.45W 0 4.0,3.8
¶11153618
IDC Error ellipse: s-maj=124.7km s-min=33.3km az=149.0.
ISC VII 23 13 53 59.1–1.4 15.9S–.60 176.8W–.30 35 4.4s,4.1b 11 5-144
IDC VII 23 13 53 55.9–1.7 14.36S 177.70W 0 4.4s,4.4 ¶11153619
NEIC VII 23 13 53 55.8–1.2 15.32S 177.09W 10 4.2b,4.4
ISCJB VII 23 13 53 57.3–1.4 15.8S–.60 176.9W–.30 33 4.4s,4.1b
GCMT VII 23 13 53 59.8–.30 14.68S 177.19W 15–1 5.0W,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=114.6km s-min=27.4km az=151.0.
NEIC Event type se. Error ellipse: s-maj=69.0km s-min=19.0km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=85.7km s-min=18.7km az=159.2.
GCMT Event type se. Data Used: IU G CN IC II. Moment Tensor Solution. s31,c37; s79,c118; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.05±.15 $M_{\theta\theta}$-1.78±.15; $M_{\phi\phi}$1.83±.14; $M_{r\theta}$0.29±.27; $M_{\theta\phi}$3.95±.14; $M_{\phi r}$0.53±.28; Best double couple: NP1:ϕ_s78.00000°,δ84.00000°,λ5.00000°. NP2:ϕ_s347.00000°,δ85.00000°,λ174.00000°. Principal axes: T 4.4500,Plg8.0000° ,Azm303.0000°; N -0.1300,Plg82.0000°,Azm127.0000°; P -4.3200,Plg1.0000°,Azm33.0000° M_o4.40000×10^{16}
ISC VII 23 14 20 17.4–.77 14.7S–.30 176.9W–.20 35 4.0b,3.9s 12 5-84
IDC VII 23 14 20 10.0–1.6 14.73S 177.39W 0 4.4,4.1 ¶11153622
NEIC VII 23 14 20 13.9–.65 14.52S 177.00W 10 4.4b,4.1
ISCJB VII 23 14 20 15.4–.77 14.8S–.30 176.9W–.20 33 4.0b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 23 14 52 22.9–2.0 14.66S 177.45W 0 4.2,3.9
NEIC VII 23 14 52 23.8–.97 15.05S 177.19W 10 4.0b,3.9 ¶11153625
IDC Error ellipse: s-maj=130.2km s-min=30.8km az=150.0.
NEIC Event type se. Error ellipse: s-maj=57.5km s-min=16.2km az=166.0.
IDC VII 24 01 17 19.1–1.8 14.65S 177.43W 0 4.3,4.1
¶12698412
IDC Error ellipse: s-maj=124.6km s-min=27.8km az=150.0.
ISC VII 24 14 36 14.3–2.3 20.2S–.40 178.8W–.20 613–17 3.9b 12 4-149
SZGRF VII 24 14 35 04.2 22.36S 179.58W 33 3.9b ¶11812528
ISCJB VII 24 14 36 13.5–2.2 20.2S–.40 178.8W–.20 619–17 3.9b
NEIC VII 24 14 36 13.8–2.1 20.26S 178.72W 618–15 3.8b
IDC VII 24 14 36 15.7–3.9 20.22S 178.74W 636–43 3.7,3.4b
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=71.3km s-min=18.8km az=153.9.
NEIC Event type se. Error ellipse: s-maj=62.3km s-min=16.1km az=154.0.
IDC Error ellipse: s-maj=49.6km s-min=18.1km az=152.0.
ISC VII 24 20 45 00.3–.65 21.38S–.06 179.31W–.07 600–9 4.5b 58 4-164
BJI VII 24 20 44 52.9 22.34S 178.45W 603 4.9b,4.6b ¶11342305
ISCJB VII 24 20 44 59.4–.67 21.33S–.06 179.35W–.07 604–10 4.5b,4.6b
IDC VII 24 20 44 59.4–1.1 21.35S 179.25W 587–13 4.0b,4.0
NEIC VII 24 20 45 00.5–.63 21.35S 179.27W 604–8 4.7b,4.0
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=9.0km az=34.0.
IDC Error ellipse: s-maj=11.8km s-min=10.2km az=85.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=9.1km az=130.0.
IDC VII 24 22 39 51.5–55 16.49S 177.24W 0 4.5,4.3b
¶12698423

IDC Error ellipse: s-maj=1020.0km s-min=164.2km az=78.0.
ISC VII 25 05 00 32.0–1.1 17.9S–.20 179.2W–.10 633–13 4.0b 17 3-146
SZGRF VII 25 05 00 22.4 18.63S 179.79W 33 4.0b **¶11153713**
IDC VII 25 05 00 29.6–1.8 17.71S 179.09W 603–22 3.8,3.5b
ISCJB VII 25 05 00 30.7–.98 17.9S–.20 179.2W–.10 636–13 4.0b,3.5b
NEIC VII 25 05 00 30.4–.87 17.84S 179.02W 622–10 4.3b,3.5b
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=40.1km s-min=13.0km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=27.6km s-min=15.1km az=144.5.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=13.7km az=147.0.
ISC VII 25 05 01 30.2–.79 18.09S–.06 179.06W–.04 627–10 4.5b 419 3-175
DJA VII 25 05 01 05 18.35S 177.02W 485 5.2b **¶11812572**
MOS VII 25 05 01 28.6–1.4 17.92S 179.04W 621 4.5b
IDC VII 25 05 01 28.1–1.0 18.12S 178.93W 611–11 4.2,4.0
ISCJB VII 25 05 01 29.1–.79 18.12S–.06 179.10W–.04 632–10 4.5b,4.0
NEIC VII 25 05 01 30.2–.61 18.09S 179.03W 636–7 4.5b,4.0
ISC Event type se.
MOS Error ellipse: s-maj=12.4km s-min=10.0km az=156.5.
IDC Error ellipse: s-maj=15.3km s-min=9.0km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.2km az=159.6.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=148.0.
IDC VII 25 18 35 57.3–3.5 17.04S 179.15W 522–36 3.6,3.3b
¶12698433

IDC Error ellipse: s-maj=153.7km s-min=22.4km az=152.0.
IDC VII 26 09 24 43.6–1.6 16.47S 178.66W 0 4.1,3.9
¶12698441

IDC Error ellipse: s-maj=113.6km s-min=24.8km az=148.0.
ISC VII 26 21 17 09.8–.64 18.0S–.10 178.55W–.07 617–7 4.3b 292 3-167
SZGRF VII 26 21 16 00.2 19.62S 177.46W 33 4.6b **¶11153794**
IDC VII 26 21 17 07.7–1.4 17.74S 178.61W 586–16 4.0,3.8b
ISCJB VII 26 21 17 09.3–.65 18.0S–.10 178.59W–.07 628–7 4.3b,3.8b
NEIC VII 26 21 17 09.8–.65 17.86S 178.63W 614–7 4.3b,3.8b
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=27.5km s-min=9.7km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=6.5km az=154.4.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=5.1km az=153.0.
IDC VII 27 07 44 55.1–2.8 20.11S 178.48W 440–34 3.1,3.0
¶12698450

IDC Error ellipse: s-maj=41.2km s-min=19.8km az=137.0.
IDC VII 27 10 30 59.7–2.4 21.76S 178.70W 543–28 3.3,3.2
¶12698454

IDC Error ellipse: s-maj=44.9km s-min=19.9km az=147.0.
ISC VII 27 18 24 18.6–2.0 19.9S–.30 178.2W–.30 597–21 3.2b 6 4-88
ISCJB VII 27 18 24 17.8–2.0 20.0S–.30 178.2W–.30 604–22 3.2b **¶11812733**
NEIC VII 27 18 24 18.2–1.7 19.97S 178.14W 596–18 3.6b
IDC VII 27 18 24 19.3–9.3 19.99S 178.19W 608–113 3.0,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=52.1km s-min=30.6km az=139.0.
NEIC Event type se. Error ellipse: s-maj=42.0km s-min=24.8km az=139.0.
IDC Error ellipse: s-maj=46.2km s-min=31.3km az=127.0.
ISC VII 27 20 28 51.7–1.7 20.5S–.10 177.7W–.10 471–18 3.7b 25 5-148
IDC VII 27 20 28 46.7–2.5 20.52S 177.57W 421–25 3.5,3.3 **¶11812738**
ISCJB VII 27 20 28 51.1–1.6 20.6S–.20 177.7W–.10 476–16 3.7b,3.3
NEIC VII 27 20 28 51.2–1.3 20.65S 177.66W 473–12 3.7b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=12.9km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=27.0km s-min=15.8km az=142.1.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=12.7km az=141.0.
IDC VII 28 04 14 20.6–10 17.67S 178.76W 644–142 3.1,3.0
¶12698463

IDC Error ellipse: s-maj=51.8km s-min=42.4km az=168.0.
IDC VII 28 08 34 02.0–1.6 16.52S 178.42W 0 4.2,4.0
¶12698465

IDC Error ellipse: s-maj=114.2km s-min=23.5km az=147.0.
ISC VII 28 17 43 30.6–1.1 21.0S–.10 178.2W–.20 566–12 3.6b 18 5-148
ISCJB VII 28 17 43 29.3–.98 20.9S–.10 178.1W–.10 570–12 3.6b **¶11812792**
IDC VII 28 17 43 30.1–2.1 20.87S 178.21W 556–26 3.4,3.4
NEIC VII 28 17 43 30.2–.81 20.95S 178.06W 569–8 4.2b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=12.7km az=137.4.
IDC Error ellipse: s-maj=28.5km s-min=14.8km az=141.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=10.3km az=139.0.
IDC VII 29 14 18 55.2–2.0 17.11S 178.00W 0 4.3,4.0b
¶12698483

IDC Error ellipse: s-maj=215.0km s-min=26.9km az=151.0.
ISC VII 29 16 40 38.7–1.2 19.91S–.08 177.8W–.10 421–12 4.1b 40 5-149
ISCJB VII 29 16 40 34.3–1.2 19.83S–.07 177.73W–.09 387–13 4.1b **¶11812855**
IDC VII 29 16 40 34.6–2.3 19.81S 177.70W 376–26 3.8,3.7
NEIC VII 29 16 40 39.2–1.1 19.82S 177.80W 424–10 4.7b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=9.6km az=31.8.
IDC Error ellipse: s-maj=23.8km s-min=13.3km az=126.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=8.2km az=128.0.
ISC VII 30 12 59 16.3–.60 21.89S–.06 179.62W–.04 603–6 4.7b 538 5-171
DJA VII 30 12 58 19 21.70S 176.02W 213 5.5b **¶11153983**
MOS VII 30 12 59 12.5–1.0 21.67S 179.65W 569 4.8b
BJI VII 30 12 59 13.9 21.90S 179.60W 590 4.7b,4.6b
IDC VII 30 12 59 13.4–1.1 21.94S 179.38W 577–11 4.3,4.2
NEIC VII 30 12 59 16.0–.59 21.95S 179.61W 606–6 5.1b,4.2
SZGRF VII 30 12 59 15.4 21.71S 178.34W 600 5.1b,4.2
ISCJB VII 30 12 59 15.5–.58 21.96S–.06 179.64W–.04 611–7 4.7b,4.2
BGS VII 30 12 59 18.2–5.5 21.95S 179.61W 606–0 5.1b,4.2
ISC Event type se.
MOS Error ellipse: s-maj=12.4km s-min=9.4km az=53.4.
IDC Error ellipse: s-maj=14.9km s-min=10.9km az=127.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.4km az=143.0.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.6km az=155.8.
BGS Error ellipse: s-maj=351.3km s-min=999.9km az=-1.0.
IDC VII 31 01 43 15.6–13 18.02S 177.81W 587–158 3.1,3.0b
¶12698504

IDC Error ellipse: s-maj=68.0km s-min=40.8km az=74.0.
ISC VII 31 10 57 36.0–.68 15.0S–.20 177.7W–.20 35 4.3b,3.9s 22 6-151
IDC VII 31 10 57 30.5–.81 15.04S 177.54W 0 4.2,4.0 **¶11169734**
NEIC VII 31 10 57 31.9–.63 15.24S 177.30W 10 4.7b,4.0
ISCJB VII 31 10 57 34.1–.68 15.0S–.20 177.7W–.20 33 4.3b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 31 18 50 31.5–17 21.69S 177.02W 371–144 3.5,3.2b
¶12698520

IDC Error ellipse: s-maj=187.6km s-min=46.6km az=137.0.
ISC VIII 01 04 29 33.7–1.1 17.5S–.30 178.7W–.20 564–12 4.0b 14 3-86
ISCJB VIII 01 04 29 32.8–1.1 17.6S–.30 178.7W–.20 569–12 4.0b **¶11907656**
IDC VIII 01 04 29 32.2–2.2 17.13S 178.95W 531–29 3.7,3.5b
NEIC VIII 01 04 29 33.5–1.1 17.53S 178.67W 564–12 4.2b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=57.7km s-min=15.7km az=152.9.
IDC Error ellipse: s-maj=47.2km s-min=14.1km az=149.0.
NEIC Event type se. Error ellipse: s-maj=54.6km s-min=14.5km az=153.0.
ISC VIII 01 07 17 20.5–1.1 21.9S–.10 179.6W–.10 601–13 4.1b 37 5-171
ISCJB VIII 01 07 17 19.8–1.0 21.94S–.10 179.7W–.10 610–12 4.1b **¶11907661**
NEIC VIII 01 07 17 19.8–1.0 21.93S 179.53W 603–10 4.4b
IDC VIII 01 07 17 23.0–2.7 22.00S 179.62W 635–30 3.6,3.5

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=14.5km az=31.8.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.5km az=111.0.
IDC Error ellipse: s-maj=25.3km s-min=15.8km az=151.0.
IDC VIII 01 09 13 17.9–2.5 17.35S 179.01W 501–35 3.4,3.3
¶12580887

IDC Error ellipse: s-maj=60.3km s-min=17.8km az=145.0.
NEIC VIII 01 15 20 46.9–1.5 18.04S 178.29W 628–12 3.9b
IDC VIII 01 15 20 44.5–3.4 18.10S 178.21W 599–41 3.1,3.0 **¶11907670**
NEIC Event type se. Error ellipse: s-maj=48.2km s-min=18.3km az=152.0.
IDC Error ellipse: s-maj=52.1km s-min=18.3km az=154.0.
ISC VIII 02 20 42 44.5–.82 18.1S–.20 178.2W–.10 592–6 3.8b 18 4-153
VIE VIII 02 20 42 42.5 17.95S 178.41W 563 3.4b **¶11907714**
IDC VIII 02 20 42 43.6–1.5 18.00S 178.48W 576–17 3.5,3.5
ISCJB VIII 02 20 42 44.2–.82 18.1S–.20 178.3W–.10 603–7 3.8b,3.5
NEIC VIII 02 20 42 44.6–1.1 18.01S 178.33W 594–10 3.8b,3.5
ISC Event type se.
VIE 336 km E of Suva .
IDC Error ellipse: s-maj=35.6km s-min=11.5km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=32.5km s-min=10.8km az=156.0.
NEIC Event type se. Error ellipse: s-maj=44.1km s-min=15.9km az=152.0.
IDC VIII 03 03 16 49.1–8.0 17.18S 178.79W 657–101 3.1,2.9b
¶12580908

IDC Error ellipse: s-maj=85.3km s-min=37.2km az=149.0.
IDC VIII 03 13 16 43.7–2.9 18.61S 176.82W 374–32 3.2,3.1
¶12580912

IDC Error ellipse: s-maj=150.6km s-min=22.3km az=141.0.
ISC VIII 03 16 36 44.0–3.5 19.3S–.80 178.4W–.50 606–24 3.7b 6 4-146
NEIC VIII 03 16 36 42.3–1.3 19.59S 178.25W 600 4.3b **¶11907738**
ISCJB VIII 03 16 36 43.1–3.5 19.4S–.80 178.5W–.50 612–26 3.7b
IDC VIII 03 16 36 43.8–7.5 19.45S 178.40W 609–84 3.4,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=68.4km s-min=21.3km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=135.0km s-min=29.4km az=152.1.
IDC Error ellipse: s-maj=105.9km s-min=34.6km az=150.0.
ISC VIII 04 13 29 39.9–1.2 19.6S–.10 177.1W–.10 358–13 3.7b 20 5-147
IDC VIII 04 13 29 37.2–2.5 19.43S 177.52W 305–27 3.8,3.6 **¶11907768**
ISCJB VIII 04 13 29 39.0–.98 19.5S–.10 177.1W–.10 355–12 3.7b,3.6
NEIC VIII 04 13 29 39.8–1.3 19.57S 177.05W 363–13 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=14.0km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=11.3km az=43.8.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=14.5km az=143.0.
ISC VIII 04 20 21 06.5–3.1 21.2S–.10 176.6W–.20 240–26 3.8b 15 6-154
IDC VIII 04 20 20 49.0–11 21.72S 175.93W 105–92 4.0,3.8b **¶11907772**
NEIC VIII 04 20 21 03.1–3.8 21.47S 176.36W 218–28 4.4b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=62.4km s-min=29.2km az=142.0.
NEIC Event type se. Error ellipse: s-maj=46.6km s-min=15.3km az=142.0.
ISC VIII 05 08 02 40.2–.80 20.13S–.07 178.30W–.07 576–9 4.4b 94 4-165
SZGRF VIII 05 08 01 35.7 21.50S 178.56W 33 4.4b **¶11154183**
BJI VIII 05 08 02 37.2 20.16S 177.80W 577 4.5b,4.5b
ISCJB VIII 05 08 02 38.7–.84 20.19S–.06 178.30W–.07 574–10 4.4b,4.5b
NEIC VIII 05 08 02 40.2–.68 20.10S 178.30W 577–8 4.4b,4.5b
IDC VIII 05 08 02 40.2–1.3 20.18S 178.30W 576–14 4.0,3.9b
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.6km az=136.1.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.4km az=138.0.
IDC Error ellipse: s-maj=13.8km s-min=9.4km az=137.0.
ISC VIII 05 08 27 02.9–.69 17.74S–.06 178.73W–.04 520–8 4.5b 467 3-175
ISCJB VIII 05 08 27 02.3–.71 17.75S–.06 178.76W–.04 525–8 4.5b **¶11154185**
NEIC VIII 05 08 27 04.8–.56 17.82S 178.68W 548–6 4.5b
IDC VIII 05 08 27 04.9–2.0 17.96S 178.64W 554–23 4.3,4.2
BJI VIII 05 08 27 07.0 17.60S 179.07W 567 4.6b,4.6b
SZGRF VIII 05 08 27 52.7 17.50S 176.50W 33 4.6b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.6km az=151.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.9km az=141.0.
IDC Error ellipse: s-maj=13.8km s-min=10.3km az=129.0.
SZGRF Fiji Islands region.
ISC VIII 06 02 52 49.8–.90 21.57S–.09 178.7W–.10 566–11 4.1b 24 5-151
ISCJB VIII 06 02 52 47.6–1.1 21.52S–.09 178.7W–.10 551–16 4.1b **¶11907813**
IDC VIII 06 02 52 48.1–2.1 21.60S 178.68W 546–24 3.7,3.6
NEIC VIII 06 02 52 49.6–.80 21.55S 178.67W 569–9 4.3b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=12.3km az=34.3.
IDC Error ellipse: s-maj=21.7km s-min=16.0km az=131.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.6km az=115.0.
ISC VIII 06 06 55 44.0–1.1 20.8S–.20 178.5W–.20 591–13 3.8b 13 4-148
ISCJB VIII 06 06 55 42.8–.99 20.7S–.20 178.4W–.10 593–13 3.7b **¶11907817**
IDC VIII 06 06 55 42.7–1.8 20.65S 178.51W 572–21 3.6,3.3
NEIC VIII 06 06 55 44.0–1.1 20.76S 178.47W 598–12 3.6,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.6km s-min=13.2km az=144.6.
IDC Error ellipse: s-maj=33.2km s-min=14.3km az=147.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=15.7km az=149.0.
IDC VIII 06 07 16 54.2–1.4 16.24S 178.60W 0 4.5,4.2b
¶12580940

IDC Error ellipse: s-maj=103.3km s-min=22.4km az=147.0.
ISC VIII 06 10 32 45.0–1.8 21.9S–.10 176.2W–.10 51–19 4.0b 19 7-149
ISCJB VIII 06 10 32 42.3–2.3 21.9S–.10 176.2W–.10 40–24 4.0b **¶11907820**
IDC VIII 06 10 32 45.0–3.5 21.89S 176.11W 52–33 4.1L,4.0
NEIC VIII 06 10 32 52.0–1.6 22.21S 175.95W 125–15 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=13.2km az=42.1.
IDC Error ellipse: s-maj=32.7km s-min=17.5km az=142.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=11.7km az=166.0.
ISC VIII 07 06 29 04.3–.99 17.7S–.10 178.91W–.10 576–11 4.1b 49 3-175
SZGRF VIII 07 06 27 58.4 19.24S 176.25W 33 4.1b **¶11907862**
IDC VIII 07 06 29 00.4–1.8 17.79S 178.68W 537–21 3.8,3.7b
NEIC VIII 07 06 29 02.3–.67 17.80S 178.73W 559–7 4.0b,3.7b
ISCJB VIII 07 06 29 03.5–1.0 17.7S–.10 178.94W–.10 581–12 4.1b,3.7b
ISC Event type se.
SZGRF Fiji Islands region.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 07 18 19 59.4–20 20.60S 177.94W 673–217 3.1,3.0b
¶12580966

IDC Error ellipse: s-maj=189.4km s-min=55.7km az=122.0.
IDC VIII 07 20 24 12.8–9.3 17.18S 179.14W 591–112 3.1,2.9
¶12580969

IDC Error ellipse: s-maj=109.5km s-min=43.7km az=151.0.
IDC VIII 08 04 05 17.6–8.0 18.96S 177.82W 646–98 3.4,3.2
¶12580973

IDC Error ellipse: s-maj=73.1km s-min=29.7km az=5.0.
ISC VIII 08 07 58 51.8–.60 17.84S–.06 178.08W–.05 606–7 4.4b 472 4-175
SZGRF VIII 08 07 57 43.2 19.60S 178.16W 33 4.4b **¶11159988**
ISCJB VIII 08 07 58 51.7–.57 17.86S–.06 178.12W–.05 622–7 4.4b
BJI VIII 08 07 58 51.2 17.83S 177.83W 624 5.2b,4.5b
IDC VIII 08 07 58 51.2–1.1 17.99S 177.96W 608–14 4.0,4.0
NEIC VIII 08 07 58 52.4–.51 17.83S 178.08W 616–6 4.5b,4.0
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=4.9km az=151.9.
IDC Error ellipse: s-maj=13.6km s-min=7.8km az=138.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=4.8km az=142.0.
IDC VIII 08 12 32 25.1–1.9 16.96S 178.83W 513–34 3.6,3.5
¶12580983

IDC Error ellipse: s-maj=156.8km s-min=20.8km az=154.0.
ISC VIII 08 15 23 19.3–.85 20.72S–.06 178.12W–.09 518–9 4.1b 49 5-172

SZGRF VIII 08 15 22 20.3 21.72S 177.36E 33 4.1b ¶11907970
ISCJB VIII 08 15 23 18.5–1.0 20.64S–.06 178.21W–.09 518–11 4.1b
NEIC VIII 08 15 23 19.8–1.0 20.52S 178.23W 521–10 4.0b
IDC VIII 08 15 23 21.0–2.6 20.73S 178.11W 532–27 3.8,3.6b
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=8.8km az=27.3.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=9.3km az=137.0.
IDC Error ellipse: s-maj=17.0km s-min=10.8km az=135.0.
ISC VIII 08 16 32 09.9–4.2 17.4S–1.0 178.9W–.90 584–16 3.8b 6 3-85
IDC VIII 08 16 31 11.3–5.4 16.63S 178.20W 0 4.4,4.2b ¶11907972
ISCJB VIII 08 16 32 09.5–4.0 17.3S–.90 179.0W–.90 590–17 3.8b,4.2b
NEIC VIII 08 16 32 09.8–3.0 17.39S 178.85W 583–11 3.7b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=265.6km s-min=34.9km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=187.3km s-min=36.1km az=139.7.
NEIC Event type se. Error ellipse: s-maj=131.7km s-min=25.2km az=140.0.
ISC VIII 09 06 19 46.5–1.1 17.6S–.40 178.7W–.30 551–11 3.8b 12 3-151
IDC VIII 09 06 19 44.8–2.2 17.10S 179.06W 517–32 3.6,3.4 ¶11907982
ISCJB VIII 09 06 19 45.6–1.1 17.6S–.40 178.7W–.30 555–12 3.8b,3.4
NEIC VIII 09 06 19 46.3–1.1 17.54S 178.71W 551–11 4.1b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=92.0km s-min=16.4km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=70.0km s-min=14.9km az=148.9.
NEIC Event type se. Error ellipse: s-maj=64.4km s-min=14.2km az=150.0.
ISC VIII 09 11 06 18.8–1.3 18.6S–.30 177.8W–.20 608–12 3.7b 20 4-151
ISCJB VIII 09 11 06 18.1–1.3 18.6S–.30 177.9W–.20 616–13 3.7b ¶11907991
NEIC VIII 09 11 06 18.8–.98 18.56S 177.82W 610–8 4.2b
IDC VIII 09 11 06 18.5–2.1 18.36S 177.99W 599–24 3.3,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=60.0km s-min=13.7km az=151.5.
NEIC Event type se. Error ellipse: s-maj=45.5km s-min=9.5km az=153.0.
IDC Error ellipse: s-maj=81.9km s-min=15.6km az=151.0.
IDC VIII 09 22 31 11.5–1.5 16.25S 178.25W 0 4.4,4.0b
¶12580999
IDC Error ellipse: s-maj=115.2km s-min=23.4km az=147.0.
ISC VIII 11 08 15 36.0–1.1 18.1S–.20 178.0W–.10 475–17 3.8b 17 7-147
ISCJB VIII 11 08 15 35.3–1.1 18.1S–.20 178.0W–.10 478–17 3.8b ¶11908075
IDC VIII 11 08 15 36.1–1.6 18.19S 177.88W 478–20 3.4,3.3
NEIC VIII 11 08 15 36.5–1.1 18.13S 177.98W 484–13 3.4,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.4km s-min=13.0km az=139.3.
IDC Error ellipse: s-maj=25.3km s-min=12.7km az=136.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=11.8km az=139.0.
ISC VIII 11 21 30 04.4–.61 20.56S–.05 177.97W–.05 550–6 4.6b 99 5-173
SZGRF VIII 11 21 29 06.5 20.38S 177.58W 33 4.6b ¶11163374
DJA VIII 11 21 29 50 20.37S 177.37W 421 5.2b
IDC VIII 11 21 30 02.9–1.4 20.52S 177.94W 533–16 4.2,4.2
NEIC VIII 11 21 30 03.9–.23 20.44S 178.03W 544 4.6b,4.2
ISCJB VIII 11 21 30 04.3–.62 20.63S–.05 178.03W–.06 562–7 4.6b,4.2
ISC Event type se.
SZGRF Fiji Islands region.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 12 06 08 59.6–1.2 20.73S–.04 177.33W–.03 288–12 5.1b 729 5-172
SZGRF VIII 12 06 08 21.0 20.50S 176.50W 33 5.1b ¶11164785
ISCJB VIII 12 06 08 55.1–1.0 20.62S–.03 177.35W–.03 255–10 5.0b
DJA VIII 12 06 08 58 20.82S 177.21W 274 5.3b
MOS VIII 12 06 09 01.4–2.2 20.10S 177.10W 291 5.3b
BJI VIII 12 06 09 03.9 20.18S 177.14W 338 4.9b,4.8b
BGS VIII 12 06 09 04.1–5.3 20.67S 177.33W 338–0 5.1b,4.8b
NEIC VIII 12 06 09 04.4–.83 20.67S 177.33W 338–8 5.1b,4.8b
GCMT VIII 12 06 09 05.8–.60 20.68S 177.18W 346–3 5.3W,4.8b
IDC VIII 12 06 09 05.4–.67 20.69S 177.29W 348–6 4.7b,4.7
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.8km az=144.8.
MOS Error ellipse: s-maj=10.1km s-min=8.1km az=58.4.
BGS Error ellipse: s-maj=398.6km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.4km az=156.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s41,c54; Moment tensor: Scale 10^{17}Nm; M_{rr}0.03±.05 $M_{\theta\theta}$-1.10±.08; $M_{\phi\phi}$1.07±.07; $M_{r\theta}$-0.72±.07; $M_{\theta\phi}$0.10±.08; $M_{\phi r}$-0.24±.07; Best double couple: NP1:ϕ_s141.00000°,δ59.00000°,λ-173.00000°. NP2: ϕ_s47.00000°,δ84.00000°,λ-31.00000°. Principal axes: T 1.1600,Plg17.0000°,Azm98.0000° ; N 0.2900,Plg58.0000°,Azm218.0000°; P -1.4500,Plg26.0000°,Azm360.0000° $M_0$1.30000×10^{17}
IDC Error ellipse: s-maj=10.3km s-min=9.4km az=139.0.
ISC VIII 12 12 53 33.3–.87 17.9S–.20 178.1W–.10 549–12 4.2b 19 4-86
ISCJB VIII 12 12 53 32.4–.87 17.9S–.20 178.2W–.10 553–12 4.2b ¶11908114
IDC VIII 12 12 53 32.4–2.0 17.83S 178.19W 532–27 3.9,3.7
NEIC VIII 12 12 53 33.2–.94 17.91S 178.08W 547–13 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.4km s-min=13.5km az=145.0.
IDC Error ellipse: s-maj=30.0km s-min=13.5km az=137.0.
NEIC Event type se. Error ellipse: s-maj=32.2km s-min=16.2km az=137.0.
IDC VIII 13 08 07 36.3–9.6 20.13S 178.29W 661–135 3.5,3.3
¶12581047
IDC Error ellipse: s-maj=82.3km s-min=30.9km az=2.0.
IDC VIII 13 12 44 59.2–3.6 20.45S 178.01W 392–37 3.4,3.3
¶12581054
IDC Error ellipse: s-maj=125.0km s-min=20.1km az=143.0.
IDC VIII 13 17 41 56.4–5.8 19.52S 177.17W 0 3.9,3.6b
¶12581061
IDC Error ellipse: s-maj=277.4km s-min=61.9km az=148.0.
ISC VIII 13 19 15 13.2–1.5 17.3S–.40 179.1W–.30 494–29 4.0b 15 8-79
ISCJB VIII 13 19 15 12.0–1.6 17.3S–.40 179.2W–.30 493–31 4.0b ¶12581063
IDC VIII 13 19 15 13.3–2.3 17.20S 179.13W 495–37 3.6,3.4b
ISCJB Error ellipse: s-maj=66.7km s-min=18.6km az=148.5.
IDC Error ellipse: s-maj=90.0km s-min=16.6km az=153.0.
IDC VIII 13 20 00 09.5–3.3 17.34S 177.07W 0 4.1,3.9b
¶12581067
IDC Error ellipse: s-maj=107.2km s-min=30.7km az=132.0.
ISC VIII 14 12 42 36.9–3.0 15.7S–.30 177.2W–.20 40–27 4.3s,4.0b 16 5-144
IDC VIII 14 12 42 30.7–1.1 15.69S 177.14W 0 4.3,4.2 ¶11227199
NEIC VIII 14 12 42 31.6–4.9 16.04S 176.94W 9–33 4.3,4.2
ISCJB VIII 14 12 42 35.2–3.3 15.7S–.30 177.3W–.20 39–30 4.3s,4.0b
GCMT VIII 14 12 42 37.6–.20 15.40S 177.14W 23–1 5.0W,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=52.4km s-min=19.1km az=151.0.
NEIC Event type se. Error ellipse: s-maj=65.4km s-min=9.4km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=62.8km s-min=22.6km az=150.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s26,c28; s81,c118; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.18 $M_{\theta\theta}$-1.59±.14; $M_{\phi\phi}$2.21±.14; $M_{r\theta}$-0.15±.20; $M_{\theta\phi}$4.15±.12; $M_{\phi r}$0.39±.19; Best double couple: NP1:ϕ_s78.00000°,δ85.00000°,λ-2.00000°. NP2:ϕ_s168.00000°,δ88.00000°,λ-175.00000°. Principal axes: T 4.8900,Plg3.0000° ,Azm303.0000°; N -0.6000,Plg84.0000°,Azm187.0000°; P -4.2900,Plg5.0000°,Azm33.0000° $M_0$4.60000×10^{16}
ISC VIII 14 15 10 17.5–1.8 15.47S–.09 177.69W–.06 63–17 4.8b 241 5-178
IDC VIII 14 15 10 07.3–.84 15.36S 177.46W 0 5.0s,5.0 ¶11180508
GCMT VIII 14 15 10 13.4–.10 15.44S 177.11W 15–0 5.5W,5.0
ISCJB VIII 14 15 10 15.2–2.0 15.46S–.08 177.71W–.06 57–18 5.0s,4.8b
NEIC VIII 14 15 10 16.9–2.3 15.27S 177.77W 56–21 4.8b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=18.8km az=146.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s72,c126; s99,c207; Moment tensor: Scale 10^{17}Nm; M_{rr}0.22±.02 $M_{\theta\theta}$-0.80±.03; $M_{\phi\phi}$0.58±.02; $M_{r\theta}$-0.17±.04; $M_{\theta\phi}$1.70±.02; $M_{\phi r}$-0.09±.04; Best double couple: NP1: ϕ_s169.00000°,δ84.00000°,λ177.00000°. NP2:ϕ_s259.00000°,δ87.00000°,λ6.00000°. Principal axes: T 1.7400,Plg6.0000°,Azm124.0000°; N 0.2100,Plg83.0000°,Azm283.0000° ; P -1.9500,Plg2.0000°,Azm34.0000° $M_0$1.90000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=7.4km az=153.3.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=10.7km az=148.0.
ISC VIII 14 16 52 49.3–.83 17.2S–.30 178.5W–.10 551–13 4.2b 22 3-73
ISCJB VIII 14 16 52 48.5–.82 17.2S–.30 178.5W–.10 556–13 4.2b ¶11908214
IDC VIII 14 16 52 48.8–4.3 16.97S 178.79W 520–161 3.9,3.8
NEIC VIII 14 16 52 49.2–.64 17.23S 178.49W 551–10 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=38.9km s-min=15.0km az=174.6.
IDC Error ellipse: s-maj=120.3km s-min=90.3km az=77.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=11.1km az=176.0.
ISC VIII 14 18 22 51.3–1.2 22.0S–.10 179.6W–.10 602–13 4.1b 24 5-171
IDC VIII 14 18 22 48.9–2.0 21.96S 179.52W 576–22 3.7,3.6 ¶11908217
ISCJB VIII 14 18 22 49.3–1.0 22.0S–.10 179.6W–.10 595–13 4.1b,3.6
NEIC VIII 14 18 22 50.2–.95 21.93S 179.52W 594–10 4.6b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=14.8km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=13.7km az=150.2.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=12.0km az=152.0.
IDC VIII 14 23 38 52.7–2.1 15.98S 178.81W 0 4.4,4.1b
¶12581086
IDC Error ellipse: s-maj=123.7km s-min=23.9km az=145.0.
ISC VIII 15 00 39 41.6–1.2 17.2S–.20 178.5W–.20 400 3.8b 12 39-151
IDC VIII 15 00 39 34.5–11 17.18S 178.16W 338–106 3.8,3.6b ¶11908228
ISCJB VIII 15 00 39 40.3–1.2 17.2S–.20 178.5W–.20 400 3.8b,3.6b
NEIC VIII 15 00 39 47.5–6.7 17.27S 178.56W 466–69 3.6b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=26.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=31.2km s-min=22.1km az=32.0.
NEIC Event type se. Error ellipse: s-maj=33.1km s-min=22.1km az=79.0.
IDC VIII 15 08 44 50.6–1.9 19.76S 177.96W 598–31 3.5,3.4
¶12581096
IDC Error ellipse: s-maj=30.6km s-min=17.1km az=123.0.
IDC VIII 15 10 00 23.4–8.2 17.66S 178.79W 623–88 3.0,2.8
NEIC VIII 15 10 00 22.8–3.0 17.62S 178.80W 613–13 3.0,2.8 ¶11908243
IDC Error ellipse: s-maj=127.0km s-min=25.8km az=145.0.
NEIC Event type se. Error ellipse: s-maj=169.0km s-min=23.6km az=149.0.
ISC VIII 15 10 55 49.3–1.2 19.1S–.20 177.7W–.20 518–15 3.7b 17 8-152
ISCJB VIII 15 10 55 48.9–1.1 19.1S–.10 177.8W–.20 524–15 3.7b ¶11908245
NEIC VIII 15 10 55 50.3–1.0 19.12S 177.75W 532–13 4.1b
IDC VIII 15 10 55 50.3–1.5 19.10S 177.78W 533–18 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.2km s-min=13.7km az=44.8.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=10.8km az=135.0.
IDC Error ellipse: s-maj=25.4km s-min=11.2km az=143.0.
IDC VIII 15 14 41 41.6–57 16.59S 176.58W 0 4.4,4.2b
¶12581102
IDC Error ellipse: s-maj=1069.0km s-min=176.5km az=78.0.
IDC VIII 15 17 59 59.4–2.1 16.73S 178.19W 0 4.0,3.8
¶12581106
IDC Error ellipse: s-maj=128.4km s-min=28.1km az=152.0.
ISC VIII 15 22 27 28.2–1.2 21.1S–.20 178.2W–.10 589–17 4.0b 10 5-148
IDC VIII 15 22 27 22.8–4.0 20.83S 178.24W 509–48 3.6,3.5 ¶11908278
ISCJB VIII 15 22 27 27.5–1.1 21.1S–.20 178.2W–.10 598–17 4.0b,3.5
NEIC VIII 15 22 27 28.0–1.1 21.17S 178.21W 578–12 4.3b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=48.1km s-min=17.6km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=27.7km s-min=18.8km az=177.8.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=15.0km az=163.0.
IDC VIII 16 11 32 08.6–29 16.83S 178.87W 456–348 3.6,3.4
¶12581127
IDC Error ellipse: s-maj=114.3km s-min=54.3km az=2.0.
IDC VIII 16 17 08 46.1–16 21.21S 176.72W 418–134 3.8,3.5b
¶12581131
IDC Error ellipse: s-maj=205.3km s-min=54.2km az=141.0.
ISC VIII 17 04 03 37.4–1.3 20.3S–.20 177.5W–.10 477–15 3.7b 17 5-145
IDC VIII 17 04 03 34.9–2.1 20.11S 177.56W 442–26 3.6,3.4 ¶11908334
NEIC VIII 17 04 03 37.4–1.0 20.28S 177.47W 479–11 4.3b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=13.0km az=147.0.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=11.1km az=148.0.
ISC VIII 17 07 35 49.3–1.5 15.1S–.50 178.9W–.30 443–20 3.8b 13 4-142
ISCJB VIII 17 07 35 48.5–1.5 15.0S–.50 179.0W–.30 447–20 3.8b ¶11908345
NEIC VIII 17 07 35 49.2–1.4 15.15S 178.79W 447–18 4.0b
IDC VIII 17 07 35 51.7–7.1 15.05S 178.96W 474–83 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=82.4km s-min=17.2km az=150.0.
NEIC Event type se. Error ellipse: s-maj=69.9km s-min=14.8km az=150.0.
IDC Error ellipse: s-maj=78.3km s-min=21.9km az=151.0.
ISC VIII 17 15 04 59.1–1.5 21.2S–.20 178.9W–.20 612–16 3.6b 12 4-147
IDC VIII 17 15 04 53.5–6.9 20.99S 178.76W 555–75 3.4,3.2 ¶11908358
ISCJB VIII 17 15 04 58.6–1.4 21.2S–.20 179.0W–.20 625–16 3.6b,3.2
NEIC VIII 17 15 04 59.2–1.6 21.09S 178.93W 619–15 3.6b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=47.4km s-min=34.0km az=19.0.
ISCJB Event type se. Error ellipse: s-maj=32.3km s-min=21.3km az=22.3.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=19.7km az=116.0.
IDC VIII 18 10 21 27.5–7.5 18.88S 176.39W 0 3.8,3.6
¶12581169
IDC Error ellipse: s-maj=324.5km s-min=37.8km az=143.0.
ISC VIII 18 15 27 44.4–1.1 20.55S–.08 177.7W–.10 480–15 3.9b 41 5-173
ISCJB VIII 18 15 27 41.3–1.0 20.44S–.07 177.7W–.10 453–16 3.9b ¶11908403
IDC VIII 18 15 27 43.2–2.2 20.61S 177.67W 473–24 3.6,3.4
NEIC VIII 18 15 27 44.5–1.1 20.56S 177.62W 490–13 4.2b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=9.7km az=16.1.
IDC Error ellipse: s-maj=19.5km s-min=13.2km az=111.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=13.6km az=112.0.
ISC VIII 18 21 23 59.1–1.0 18.7S–.10 178.1W–.10 691–18 3.8b 16 8-146
ISCJB VIII 18 21 23 58.0–1.0 18.7S–.10 178.1W–.10 698–18 3.8b ¶11908412
NEIC VIII 18 21 23 59.2–.72 18.67S 178.07W 697–11 4.1b
IDC VIII 18 21 23 59.1–6.7 18.68S 178.07W 691–76 3.2,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=14.5km az=28.5.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.9km az=121.0.
IDC Error ellipse: s-maj=105.7km s-min=36.2km az=151.0.
IDC VIII 19 04 13 13.3–13 21.11S 178.14W 500–140 2.9,2.8
¶12581189
IDC Error ellipse: s-maj=69.6km s-min=43.3km az=86.0.
IDC VIII 19 05 29 15.2–2.0 16.64S 178.00W 0 4.1,3.9
¶12581191
IDC Error ellipse: s-maj=124.6km s-min=25.1km az=152.0.
ISC VIII 19 18 26 06.0–1.0 16.2S–.20 177.2W–.10 423–13 3.4b 8 5-144
IDC VIII 19 18 25 49.2–21 16.93S 176.58W 279–173 3.4,3.2 ¶11908448
ISCJB VIII 19 18 26 05.1–1.0 16.3S–.20 177.3W–.10 429–12 3.4b,3.2
NEIC VIII 19 18 26 06.0–1.1 16.26S 177.23W 421–12 4.0b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=182.0km s-min=38.3km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=36.7km s-min=18.9km az=158.3.
NEIC Event type se. Error ellipse: s-maj=32.1km s-min=17.2km az=155.0.
IDC VIII 20 05 46 34.6–6.1 20.01S 176.25W 0 4.4,4.1b
¶12581224
IDC Error ellipse: s-maj=257.3km s-min=36.1km az=146.0.
ISC VIII 21 04 01 19.2–1.7 20.6S–.10 177.8W–.10 327–20 3.9b 23 5-173
ISCJB VIII 21 04 01 18.2–1.7 20.68S–.08 177.8W–.10 332–20 3.9b ¶11908519
IDC VIII 21 04 01 21.0–2.2 20.66S 177.75W 353–23 3.8,3.7
NEIC VIII 21 04 01 31.5–1.4 20.98S 177.92W 466–13 4.0b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=11.7km az=15.5.
IDC Error ellipse: s-maj=21.8km s-min=13.1km az=133.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=14.2km az=100.0.
IDC VIII 21 05 48 38.0–1.0 17.34S 177.92W 0 4.2,4.0
¶12581250

IDC Error ellipse: s-maj=56.5km s-min=23.4km az=150.0.
IDC VIII 21 16 05 41.1–5.1 18.77S 177.91W 591–61 3.3,3.1
NEIC VIII 21 16 05 43.1–4.4 18.97S 177.91W 622–51 3.8b,3.1 ¶11908544
IDC Error ellipse: s-maj=77.7km s-min=23.4km az=154.0.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=24.3km az=155.0.
IDC VIII 21 16 33 09.0–6.4 17.59S 178.58W 622–80 3.4,3.1b
¶12581265

IDC Error ellipse: s-maj=106.4km s-min=29.4km az=154.0.
IDC VIII 21 18 53 25.0–32 16.18S 177.11W 0 4.2,4.1b
¶12581267

IDC Error ellipse: s-maj=625.4km s-min=150.9km az=84.0.
IDC VIII 22 12 14 57.4–5.0 19.31S 176.73W 0 3.8,3.7
¶12581290

IDC Error ellipse: s-maj=176.2km s-min=32.4km az=138.0.
NEIC VIII 22 13 15 23.0–1.7 20.89S 179.09W 643–44 3.6b
IDC VIII 22 13 14 02.5–5.0 19.27S 176.10W 0 4.1,3.9b ¶12581293
NEIC Event type se. Error ellipse: s-maj=111.5km s-min=27.1km az=205.0.
IDC Error ellipse: s-maj=165.9km s-min=96.5km az=155.0.
ISC VIII 22 13 52 22.9–1.0 19.3S–.20 177.4W–.20 571–15 3.4b 11 5-87
IDC VIII 22 13 52 21.9–2.0 19.32S 177.46W 555–30 3.1,3.0 ¶11908586
ISCJB VIII 22 13 52 22.1–1.0 19.3S–.20 177.4W–.20 576–16 3.5b,3.0
NEIC VIII 22 13 52 22.8–.88 19.28S 177.42W 571–13 3.8b,3.0
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=20.2km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=29.6km s-min=19.8km az=147.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=16.0km az=153.0.
ISC VIII 22 15 14 45.6–1.8 20.0S–.10 177.7W–.20 378–16 3.3b 19 5-88
IDC VIII 22 15 14 37.0–2.2 19.81S 177.58W 290–24 3.5,3.3 ¶11908593
NEIC VIII 22 15 14 45.3–1.3 19.99S 177.70W 376–12 3.7b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=13.7km az=133.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=13.4km az=108.0.
IDC VIII 23 02 06 17.7–2.0 17.05S 177.97W 0 4.1,3.9
¶12581304

IDC Error ellipse: s-maj=126.1km s-min=19.3km az=154.0.
IDC VIII 23 09 00 12.1–12 17.90S 177.77W 548–138 3.3,3.1b
¶12581315

IDC Error ellipse: s-maj=101.6km s-min=45.6km az=128.0.
IDC VIII 23 10 02 59.7–10 20.08S 178.61W 592–100 3.2,3.0b
¶12581317

IDC Error ellipse: s-maj=121.0km s-min=46.7km az=133.0.
ISC VIII 23 10 50 33.3–1.9 21.5S–.10 176.1W–.20 136–23 4.0b 12 7-149
ISCJB VIII 23 10 50 32.5–2.0 21.5S–.10 176.1W–.20 144–25 4.0b ¶11908642
IDC VIII 23 10 50 35.9–12 21.47S 176.48W 148–107 3.9,3.8b
NEIC VIII 23 10 50 44.2–2.5 21.75S 176.43W 228–20 4.2b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.7km s-min=17.2km az=34.7.
IDC Error ellipse: s-maj=48.1km s-min=33.5km az=29.0.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=17.7km az=89.0.
ISC VIII 23 12 48 09.9–.65 17.49S–.09 178.40W–.08 553–9 4.3b 37 3-144
IDC VIII 23 12 48 08.6–1.1 17.52S 178.43W 532–14 3.7,3.6b ¶11908644
ISCJB VIII 23 12 48 09.7–.68 17.50S–.09 178.46W–.08 565–10 4.3b,3.6b
NEIC VIII 23 12 48 09.8–.74 17.52S 178.39W 553–9 4.5b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=13.5km s-min=9.4km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=9.3km az=148.3.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=9.7km az=154.0.
IDC VIII 24 13 02 56.7–4.9 15.90S 176.16W 0 4.2,4.1b
¶12581344

IDC Error ellipse: s-maj=166.2km s-min=98.3km az=155.0.
ISC VIII 24 15 35 06.6–1.7 21.39S–.06 176.95W–.04 226–16 4.7b 329 9-172
SZGRF VIII 24 15 34 39.9 22.34S 176.23W 33 4.7b ¶11184466
ISCJB VIII 24 15 35 01.8–1.6 21.31S–.05 176.96W–.04 192–14 4.7b
MOS VIII 24 15 35 02.0–1.4 20.91S 176.99W 163 4.8b
BJI VIII 24 15 35 03.7 21.30S 176.90W 221 5.1b,4.7b
IDC VIII 24 15 35 05.3–1.8 21.27S 176.84W 218–16 4.5,4.5
NEIC VIII 24 15 35 07.7–1.6 21.33S 176.87W 242–15 4.7b,4.5
DJA VIII 24 15 35 14 21.31S 177.20W 290 5.1b,4.5
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.5km az=154.1.
MOS Error ellipse: s-maj=10.2km s-min=9.4km az=156.9.
IDC Error ellipse: s-maj=10.8km s-min=10.6km az=10.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.0km az=166.0.
ISC VIII 24 16 21 24.5–.74 18.0S–.20 178.1W–.10 600 4.0b 21 23-152
ISCJB VIII 24 16 21 23.2–.74 18.0S–.20 178.2W–.10 600 4.0b ¶11908701
IDC VIII 24 16 21 25.7–3.5 17.99S 178.11W 618–40 3.6,3.5
NEIC VIII 24 16 21 26.9–3.0 17.98S 178.16W 633–34 3.5b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.6km s-min=11.8km az=149.6.
IDC Error ellipse: s-maj=29.2km s-min=17.9km az=135.0.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=17.7km az=147.0.
IDC VIII 25 00 03 57.1–4.9 21.32S 179.46W 0 4.8,4.6b
¶12581360

IDC Error ellipse: s-maj=172.1km s-min=59.8km az=140.0.
IDC VIII 25 03 36 55.3–17 16.46S 178.88W 0 4.5,4.3b
¶12581368

IDC Error ellipse: s-maj=337.8km s-min=45.2km az=55.0.
ISC VIII 25 13 17 16.2–.85 16.60S–.07 177.20W–.08 392–11 4.4b 56 6-146
ISCJB VIII 25 13 17 15.5–.85 16.58S–.07 177.28W–.08 397–11 4.4b ¶11908756
NEIC VIII 25 13 17 17.6–.42 16.52S 177.26W 404 4.6b
IDC VIII 25 13 17 17.7–.67 16.61S 177.24W 405–7 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=9.1km az=35.5.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=10.2km az=133.0.
IDC Error ellipse: s-maj=14.6km s-min=10.0km az=134.0.
IDC VIII 26 11 17 31.3–20 20.75S 178.14W 383–153 3.4,3.3b
¶12581434

IDC Error ellipse: s-maj=180.0km s-min=23.4km az=41.0.
ISC VIII 27 07 40 40.9–1.6 20.5S–.20 177.7W–.20 497–22 3.8b 14 9-147
ISCJB VIII 27 07 40 39.3–1.4 20.4S–.20 177.8W–.20 488–21 3.8b ¶11908903
NEIC VIII 27 07 40 40.8–1.3 20.44S 177.80W 489–18 3.8b
IDC VIII 27 07 40 40.6–2.4 20.45S 177.78W 485–32 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.0km s-min=15.4km az=135.5.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=13.9km az=140.0.
IDC Error ellipse: s-maj=35.4km s-min=17.5km az=145.0.
ISC VIII 28 08 02 17.9–.69 17.7S–.30 178.3W–.20 593–10 4.2b 31 3-87
ISCJB VIII 28 08 02 17.4–.70 17.7S–.30 178.4W–.20 602–10 4.2b ¶11908985
IDC VIII 28 08 02 17.5–1.4 17.20S 178.59W 573–21 3.9,3.6b
NEIC VIII 28 08 02 19.3–1.0 17.67S 178.43W 603–10 4.4b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=44.8km s-min=9.8km az=150.9.
IDC Error ellipse: s-maj=69.5km s-min=10.9km az=153.0.
NEIC Event type se. Error ellipse: s-maj=45.1km s-min=11.0km az=152.0.
ISC VIII 28 08 56 45.9–.86 17.94S–.07 178.65W–.05 595–10 4.5b 381 3-150
IDC VIII 28 08 56 42.4–1.7 17.93S 178.49W 561–20 4.1,4.0 ¶11232349
NEIC VIII 28 08 56 44.0–.55 17.95S 178.53W 578–6 4.5b,4.0
ISCJB VIII 28 08 56 45.4–.82 17.93S–.07 178.69W–.05 603–10 4.5b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 28 18 00 16.4–53 19.46S 178.58W 0 4.3,4.1
¶12581513

IDC Error ellipse: s-maj=964.0km s-min=154.4km az=81.0.
IDC VIII 28 20 36 10.7–8.3 16.71S 176.29W 0 4.1,3.9b
¶12581514

IDC Error ellipse: s-maj=215.6km s-min=44.0km az=27.0.
IDC VIII 29 04 48 49.9–46 16.78S 178.13W 0 4.3,4.1
¶12581527

IDC Error ellipse: s-maj=843.1km s-min=150.7km az=78.0.

ISC VIII 29 11 23 15.2–1.0 19.0S–.10 177.5W–.10 469–12 4.1b 29 4-146
ISCJB VIII 29 11 23 13.8–.82 19.0S–.10 177.5W–.10 469–11 4.1b ¶11909071
IDC VIII 29 11 23 13.8–1.6 18.87S 177.79W 436–22 3.8,3.7b
NEIC VIII 29 11 23 15.4–1.1 18.99S 177.57W 463–12 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=11.3km az=143.9.
IDC Error ellipse: s-maj=26.1km s-min=12.4km az=138.0.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=15.3km az=144.0.
IDC VIII 30 00 19 25.0–12 18.17S 178.05W 565–129 3.3,3.1b
¶12581556

IDC Error ellipse: s-maj=136.3km s-min=58.1km az=137.0.
ISC VIII 30 01 18 41.0–1.0 21.6S–.10 178.0W–.10 513–13 3.8b 31 5-150
IDC VIII 30 01 18 39.7–2.1 21.67S 177.99W 504–23 3.6,3.5 ¶11909099
ISCJB VIII 30 01 18 40.4–.98 21.6S–.10 178.0W–.10 515–13 3.8b,3.5
NEIC VIII 30 01 18 40.6–.87 21.71S 177.99W 522–9 4.1b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=12.9km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=10.0km az=140.9.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=10.1km az=135.0.
ISC VIII 30 04 03 53.4–1.2 19.6S–.50 177.6W–.30 400 3.7b 12 30-86
IDC VIII 30 04 03 50.9–19 19.32S 177.63W 370–207 3.7,3.4b ¶12581560
ISCJB VIII 30 04 03 52.3–1.2 19.5S–.50 177.7W–.30 400 3.7b,3.4b
IDC VIII 30 04 56 22.8–7.1 21.02S 178.91W 658–88 3.1,3.0
¶12581562

IDC Error ellipse: s-maj=69.2km s-min=35.3km az=142.0.
ISC VIII 30 10 06 10.8–1.5 21.9S–.10 176.8W–.10 233–15 4.0b 29 6-150
ISCJB VIII 30 10 06 08.6–1.5 22.03S–.08 176.8W–.10 228–15 4.0b ¶11909113
NEIC VIII 30 10 06 10.6–1.4 21.84S 176.85W 233–13 4.4b
IDC VIII 30 10 06 10.3–2.9 21.83S 176.86W 229–30 4.0s,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=12.1km az=24.4.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=11.6km az=130.0.
IDC Error ellipse: s-maj=25.3km s-min=15.0km az=133.0.
ISC IX 01 05 31 29.8–1.7 15.41S–.06 176.38W–.04 51–15 5.1b,4.5s 552 5-177
IDC IX 01 05 31 21.8–.66 15.48S 176.33W 0 5.0,4.9 ¶11226736
ISCJB IX 01 05 31 26.8–2.0 15.41S–.06 176.40W–.04 40–17 5.1b,4.5s
DJA IX 01 05 31 26 15.58S 176.28W 20 5.1b,4.5s
GCMT IX 01 05 31 27.6–.30 15.11S 176.14W 13–1 5.1W,4.5s
BJI IX 01 05 31 27.8 14.90S 175.98W 45 5.2b,4.9s
MOS IX 01 05 31 27.9–.95 14.85S 176.51W 33 5.3b,4.7s
SZGRF IX 01 05 31 27.4 15.69S 177.20W 33 5.3b,4.7s
NEIC IX 01 05 31 28.9–1.4 15.26S 176.46W 41–11 5.1b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=17.0km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.3km az=156.5.
GCMT Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s14,c19; s64,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}2.05±.34 $M_{\theta\theta}$1.10±.23; $M_{\phi\phi}$-3.15±.26; $M_{r\theta}$-3.99±1.04; $M_{\theta\phi}$3.33±.21; $M_{\theta r}$-0.43±.60; Best double couple: NP1:ϕ_s187.00000°,δ49.00000°,λ157.00000°. NP2:ϕ_s292.00000°,δ73.00000°,λ43.00000°. Principal axes: T 6.3100,Plg42.0000° ,Azm158.0000°; N -0.9300,Plg44.0000°,Azm310.0000°; P -5.3900,Plg15.0000° ,Azm55.0000° M_o5.90000×10^{16}
MOS Error ellipse: s-maj=16.2km s-min=9.4km az=62.9.
SZGRF Fiji Islands region.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.2km az=148.0.
IDC IX 01 06 47 44.2–1.6 16.50S 178.25W 0 4.2,4.0
¶11909206

IDC Error ellipse: s-maj=109.1km s-min=22.8km az=149.0.
ISC IX 01 07 06 16.8–.15 15.31S–.05 176.37W–.03 10 5.5s,5.3b 727 5-177
IDC IX 01 07 06 14.5–.50 15.31S 176.38W 0 5.4s,5.4 ¶12951821
ISCJB IX 01 07 06 15.2–.15 15.31S–.05 176.40W–.03 10 5.5s,5.3b
NEIC IX 01 07 06 16.7–.15 15.26S 176.41W 10 5.7W,5.6s
DJA IX 01 07 06 17 15.57S 176.02W 10 5.2b,5.6s
SZGRF IX 01 07 06 17.5 16.15S 175.62W 33 5.7b,5.6s
BJI IX 01 07 06 17.7 14.80S 176.63W 10 5.7b,5.3s
MOS IX 01 07 06 19.2–1.1 15.23S 176.50W 33 5.6s,5.5b
GCMT IX 01 07 06 21.4–.10 15.19S 176.12W 12 5.7W,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=15.4km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.2km az=157.1.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.0km az=145.0. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73 $M_{\theta\theta}$3.06 $M_{\phi\phi}$-2.33 $M_{r\theta}$-0.08 $M_{\theta\phi}$2.30 $M_{\theta r}$-0.66 Best double couple: NP1:ϕ_s294.00000°,δ78.00000°,λ-7.00000°. NP2:ϕ_s26.00000° ,δ84.00000°,λ-168.00000°. Principal axes: T 3.9300,Plg3.0000°,Azm159.0000° ; N -0.6100,Plg76.0000°,Azm53.0000°; P -3.3200,Plg13.0000°,Azm250.0000° M_o3.70000×10^{17}
SZGRF Tonga Islands.
MOS Error ellipse: s-maj=10.7km s-min=7.3km az=59.6.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=224, per= 50. Moment Tensor Solution. s81,c149; s44,c54; Moment tensor: Scale 10^{17}Nm; M_{rr}3.80±.05 $M_{\theta\theta}$-0.09±.05; $M_{\phi\phi}$-3.71±.05; $M_{r\theta}$-0.61±.16; $M_{\theta\phi}$3.49±.04; $M_{\theta r}$-0.03±.14; Best double couple: NP1:ϕ_s164.00000°,δ45.00000°,λ112.00000°. NP2:ϕ_s314.00000°,δ49.00000°,λ69.00000°. Principal axes: T 3.9600,Plg74.0000°,Azm155.0000°; N 1.8800,Plg16.0000°,Azm328.0000° ; P -5.8400,Plg2.0000°,Azm59.0000° M_o4.90000×10^{17}
ISC IX 01 17 05 12.0–1.1 19.4S–.20 177.6W–.20 497–13 4.1b 18 4-147
ISCJB IX 01 17 05 10.7–.93 19.3S–.20 177.6W–.10 498–13 4.1b ¶11909235
IDC IX 01 17 05 11.2–2.1 19.36S 177.69W 481–28 3.7,3.6b
NEIC IX 01 17 05 11.8–.94 19.39S 177.62W 496–10 4.9b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.2km s-min=13.1km az=143.0.
IDC Error ellipse: s-maj=29.5km s-min=17.0km az=130.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=13.5km az=143.0.
ISC IX 01 22 58 40.9–.82 20.83S–.09 178.66W–.08 602–10 3.9b 37 4-153
ISCJB IX 01 22 58 40.1–.79 20.86S–.09 178.69W–.08 609–10 3.9b ¶11909249
IDC IX 01 22 58 40.2–2.2 20.84S 178.62W 592–21 3.7,3.6
NEIC IX 01 22 58 40.9–.55 20.82S 178.65W 605–6 4.1b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=10.8km az=170.9.
IDC Error ellipse: s-maj=35.1km s-min=15.4km az=150.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.8km az=169.0.
IDC IX 02 04 44 31.1–6.6 17.76S 178.57W 578–78 3.3,3.2
¶11909258

IDC Error ellipse: s-maj=37.2km s-min=24.8km az=130.0.
IDC IX 02 20 21 41.8–50 16.47S 178.16W 0 3.8,3.6b
¶11909308

IDC Error ellipse: s-maj=917.6km s-min=154.9km az=77.0.
ISC IX 02 22 31 28.5–1.3 16.1S–.10 177.6W–.10 441–14 3.5b 17 5-144
ISCJB IX 02 22 31 27.7–1.3 16.1S–.10 177.6W–.10 445–13 3.4b ¶11909324
NEIC IX 02 22 31 28.4–1.1 16.06S 177.56W 442–11 3.7b
IDC IX 02 22 31 29.1–11 16.02S 177.50W 451–142 3.4,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=17.0km az=27.2.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=12.8km az=116.0.
IDC Error ellipse: s-maj=56.0km s-min=24.7km az=178.0.
ISC IX 03 12 12 20.3–.90 18.0S–.10 178.1W–.10 595–11 4.1b 26 4-145
ISCJB IX 03 12 12 19.4–.90 18.1S–.10 178.1W–.10 602–12 4.1b ¶11909370
IDC IX 03 12 12 19.3–1.8 17.94S 178.14W 575–25 3.7,3.5b
NEIC IX 03 12 12 20.2–.74 18.00S 178.10W 593–9 4.4b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.2km s-min=13.9km az=135.5.
IDC Error ellipse: s-maj=27.6km s-min=14.3km az=131.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=11.7km az=139.0.
ISC IX 03 21 53 35.0–.69 18.0S–.10 178.24W–.09 650–7 3.8b 30 4-149
SZGRF IX 03 21 52 27.6 17.68S 175.91W 33 3.8b ¶11909406
ISCJB IX 03 21 53 34.3–.69 18.1S–.10 178.25W–.09 663–7 3.8b
NEIC IX 03 21 53 34.2–.65 17.95S 178.27W 638–7 4.0b
IDC IX 03 21 53 35.0–3.0 17.98S 178.24W 652–36 3.5,3.4
ISC Event type se.
SZGRF Tonga Islands.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=11.7km az=157.4.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.7km az=153.0.
IDC Error ellipse: s-maj=33.5km s-min=14.4km az=146.0.

IDC IX 03 21 58 02.9–15 17.67S 178.68W 592–196 3.5,3.3b ¶11909407

IDC Error ellipse: s-maj=88.2km s-min=53.8km az=170.0.
IDC IX 04 08 35 42.1–6.9 18.25S 177.29W 0 3.8,3.6 ¶11909447

IDC Error ellipse: s-maj=300.1km s-min=36.7km az=143.0.
ISC IX 04 11 06 06.2–5.0 21.4S–.70 179.2W–.60 608–27 3.7b 10 4-147
IDC IX 04 11 06 03.7–4.7 21.18S 179.19W 576–37 3.2,3.0b **¶11909454**
ISCJB IX 04 11 06 05.9–4.8 21.3S–.70 179.3W–.60 617–26 3.7b,3.0b
NEIC IX 04 11 06 06.0–3.9 21.39S 179.21W 607–21 3.7b,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=91.1km s-min=28.5km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=133.4km s-min=28.1km az=139.3.
NEIC Event type se. Error ellipse: s-maj=98.5km s-min=21.7km az=140.0.
ISC IX 04 11 14 35.9–2.2 19.4S–.60 177.8W–.30 561–18 3.5b 11 4-146
ISCJB IX 04 11 14 35.1–2.2 19.4S–.60 177.8W–.30 566–19 3.5b **¶11909455**
IDC IX 04 11 14 35.9–5.9 19.25S 177.82W 561–70 3.4,3.1b
NEIC IX 04 11 14 35.8–1.6 19.40S 177.76W 562–13 3.4,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=94.9km s-min=16.0km az=156.1.
IDC Error ellipse: s-maj=86.4km s-min=24.2km az=157.0.
NEIC Event type se. Error ellipse: s-maj=67.7km s-min=11.7km az=156.0.
IDC IX 04 12 27 13.7–47 15.33S 179.62W 0 4.5,4.3b ¶11909458

IDC Error ellipse: s-maj=863.9km s-min=146.7km az=75.0.
IDC IX 04 16 54 13.6–2.9 17.87S 176.29W 0 4.2,4.1 ¶11909471

IDC Error ellipse: s-maj=154.4km s-min=31.4km az=147.0.
ISC IX 05 03 03 49.4–.95 17.3S–.40 178.4W–.20 400 3.9b 13 35-87
IDC IX 05 03 03 07.3–1.4 16.30S 178.40W 0 4.4,4.1 **¶11909506**
ISCJB IX 05 03 03 48.3–.96 17.2S–.40 178.5W–.20 400 3.9b,4.1
IDC IX 05 03 35 15.9–30 17.63S 178.89W 654–424 3.4,3.2 ¶11909510

IDC Error ellipse: s-maj=152.4km s-min=67.3km az=20.0.
ISC IX 05 16 14 51.3–1.0 18.5S–.20 178.3W–.10 533–10 4.2b 27 4-91
IDC IX 05 16 14 45.7–1.7 18.24S 178.24W 460–23 3.9,3.6b **¶11909539**
ISCJB IX 05 16 14 50.8–1.1 18.5S–.20 178.3W–.10 539–11 4.2b,3.6b
NEIC IX 05 16 14 51.1–1.1 18.37S 178.38W 527–12 4.7b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=11.6km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=16.1km az=157.7.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=13.9km az=159.0.
ISC IX 05 22 14 18.1–1.7 20.23S–.10 176.46W–.10 215–15 4.1b 39 6-152
SZGRF IX 05 22 13 54.6 20.93S 177.85W 33 4.1b **¶11783415**
ISCJB IX 05 22 14 16.8–1.7 20.29S–.07 176.46W–.09 218–16 4.1b
IDC IX 05 22 14 18.5–2.6 20.22S 176.44W 219–24 4.0,3.9
NEIC IX 05 22 14 26.2–1.1 20.37S 176.50W 297–10 4.2b,3.9
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=8.9km az=36.3.
IDC Error ellipse: s-maj=26.3km s-min=12.3km az=143.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.3km az=137.0.
IDC IX 06 08 51 26.3–8.0 20.37S 179.18W 603–81 3.2,2.9b ¶11909593

IDC Error ellipse: s-maj=123.3km s-min=32.9km az=147.0.
IDC IX 06 20 29 39.4–1.9 16.41S 178.81W 0 4.0,3.8b ¶11909633

IDC Error ellipse: s-maj=147.3km s-min=32.2km az=156.0.
IDC IX 06 22 15 09.7–11 17.55S 179.74W 617–141 3.6,3.3b ¶11909643

IDC Error ellipse: s-maj=107.4km s-min=46.3km az=173.0.
ISC IX 07 03 13 39.4–.80 18.0S–.20 178.8W–.20 650 3.7b 13 33-145
IDC IX 07 03 13 35.4–6.5 17.87S 178.64W 600–78 3.5,3.3 **¶11909678**
ISCJB IX 07 03 13 38.0–.80 17.9S–.20 178.8W–.20 650 3.7b,3.3
NEIC IX 07 03 13 41.1–5.4 17.94S 178.83W 675–73 4.1b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=22.7km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=31.9km s-min=13.3km az=152.7.
NEIC Event type se. Error ellipse: s-maj=42.0km s-min=20.5km az=112.0.
IDC IX 08 11 54 19.4–1.8 16.61S 178.21W 0 4.4,4.1b ¶11909813

IDC Error ellipse: s-maj=137.0km s-min=30.8km az=156.0.
IDC IX 08 22 07 09.2–4.1 21.16S 176.15W 0 4.2,4.0b ¶11909844

IDC Error ellipse: s-maj=271.1km s-min=34.9km az=157.0.
ISC IX 08 22 53 03.3–1.3 17.1S–.10 178.8W–.10 521–18 4.0b 24 3-151
ISCJB IX 08 22 53 02.0–1.3 17.1S–.10 178.9W–.10 517–19 4.0b **¶11909848**
IDC IX 08 22 53 03.0–4.7 17.13S 178.97W 505–39 3.7,3.5b
NEIC IX 08 22 53 04.8–.81 17.03S 178.83W 539–9 4.1b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=16.3km az=31.1.
IDC Error ellipse: s-maj=56.9km s-min=41.8km az=157.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=14.7km az=171.0.
ISC IX 09 11 04 12.5–.79 17.69S–.08 178.30W–.07 541–9 4.4b 50 3-175
SZGRF IX 09 11 03 14.0 18.38S 178.98W 33 4.4b **¶11783434**
ISCJB IX 09 11 04 10.2–.78 17.66S–.08 178.30W–.07 526–10 4.4b
BJI IX 09 11 04 11.0 17.64S 177.77W 552 4.8b,4.7b
IDC IX 09 11 04 12.6–.67 17.65S 178.48W 537–8 3.9,3.9
NEIC IX 09 11 04 12.1–.64 17.67S 178.32W 534–7 5.2b,3.9
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.3km az=141.8.
IDC Error ellipse: s-maj=12.9km s-min=9.0km az=134.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.1km az=147.0.
ISC IX 09 13 53 51.9–1.1 19.84S–.07 177.74W–.09 468–11 4.3b 58 5-173
SZGRF IX 09 13 52 57.8 21.49S 177.08W 33 4.3b **¶11277464**
IDC IX 09 13 53 49.4–2.1 19.73S 177.74W 436–22 4.1,3.9b
ISCJB IX 09 13 53 51.4–1.1 19.84S–.06 177.82W–.09 472–11 4.3b,3.9b
BJI IX 09 13 53 51.5 19.70S 177.90W 468 4.7b,4.5b
NEIC IX 09 13 53 52.5–1.1 19.73S 177.89W 468–11 4.7b,4.5b
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=16.0km s-min=11.4km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.4km az=13.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.6km az=118.0.
ISC IX 09 17 55 20.1–.76 18.0S–.10 177.6W–.10 525–14 3.8b 17 4-91
ISCJB IX 09 17 55 19.6–.75 18.0S–.10 177.65W–.10 527–14 3.8b **¶11909891**
IDC IX 09 17 55 19.9–2.1 18.11S 177.84W 492–33 3.5,3.4
NEIC IX 09 17 55 20.7–.95 18.00S 177.70W 522–15 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=13.9km az=165.7.
IDC Error ellipse: s-maj=30.9km s-min=28.8km az=145.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=19.1km az=163.0.
ISC IX 10 11 23 37.5–1.2 19.3S–.20 177.6W–.20 550 4.2b 19 34-90
IDC IX 10 11 23 35.8–7.9 19.24S 177.44W 533–83 3.6,3.5b **¶11909951**
ISCJB IX 10 11 23 36.4–1.2 19.3S–.20 177.6W–.20 550 4.2b,3.5b
NEIC IX 10 11 23 37.4–1.1 19.32S 177.51W 549–18 4.8b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=26.1km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=21.9km az=139.9.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=15.1km az=150.0.
IDC IX 10 15 16 41.1–47 16.56S 177.05W 0 4.6,4.4b ¶11909964

IDC Error ellipse: s-maj=869.5km s-min=151.4km az=78.0.
ISC IX 11 13 06 26.9–6.3 21.6S–.80 178.7W–.80 576–40 3.7b 6 5-147
IDC IX 11 13 06 24.3–12 21.49S 178.61W 541–114 3.3,3.1b **¶11910045**
ISCJB IX 11 13 06 26.6–6.3 21.5S–.80 178.7W–.80 584–41 3.7b,3.1b
NEIC IX 11 13 06 27.1–4.1 21.53S 178.69W 575–27 3.7b,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=132.5km s-min=46.9km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=160.1km s-min=31.2km az=139.0.
NEIC Event type se. Error ellipse: s-maj=101.5km s-min=18.5km az=140.0.
ISC IX 11 15 38 19.6–.98 19.8S–.10 177.6W–.10 534–14 3.8b 26 5-88
ISCJB IX 11 15 38 19.0–1.0 19.8S–.10 177.7W–.10 538–15 3.8b **¶11910048**
IDC IX 11 15 38 20.3–1.6 19.74S 177.73W 537–21 3.7,3.4
NEIC IX 11 15 38 20.5–1.1 19.92S 177.56W 550–13 4.0b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=11.5km az=145.4.
IDC Error ellipse: s-maj=35.2km s-min=11.7km az=148.0.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=13.4km az=149.0.
ISC IX 11 21 04 43.1–.51 21.89S–.04 178.95W–.04 579–6 4.8b 303 5-168
SZGRF IX 11 21 03 38.6 22.96S 178.01W 33 4.8b **¶11265512**
BJI IX 11 21 04 40.0 21.80S 178.90W 566 4.7b,4.6b
ISCJB IX 11 21 04 41.8–.62 21.85S–.04 178.99W–.04 576–8 4.8b,4.6b
MOS IX 11 21 04 42.4–2.9 21.35S 179.07W 546 4.7b,4.6b
NEIC IX 11 21 04 42.1–.48 21.77S 178.93W 566–5 4.8b,4.6b
IDC IX 11 21 04 44.0–.43 21.86S 178.95W 585–4 4.4,4.4
BGS IX 11 21 04 43.4–4.5 21.77S 178.93W 566–0 4.8b,4.4
GCMT IX 11 21 04 45.6–.30 21.81S 178.84W 587–3 5.4W,4.4
DJA IX 11 21 04 52 22.02S 179.67W 650 5.1b,4.4
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.6km az=151.9.
MOS Error ellipse: s-maj=10.0km s-min=9.0km az=48.6.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=143.0.
IDC Error ellipse: s-maj=9.4km s-min=7.4km az=147.0.
BGS Error ellipse: s-maj=392.2km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}0.28±.04 $M_{\theta\theta}$1.16±.06; $M_{\phi\phi}$-1.43±.05; $M_{r\theta}$0.44±.06; $M_{\theta\phi}$-0.17±.06; $M_{\phi r}$-0.34±.07; Best double couple: NP1:ϕ_s47.00000°,δ66.00000°,λ170.00000°. NP2: ϕ_s141.00000°,δ81.00000°,λ24.00000°. Principal axes: T 1.3700,Plg23.0000°,Azm6.0000° ; N 0.1300,Plg64.0000°,Azm160.0000°; P -1.5000,Plg10.0000°,Azm272.0000° $M_0$1.40000×10^{17}
IDC IX 12 03 43 47.3–31 19.54S 177.20W 0 4.1,4.0b ¶11910088

IDC Error ellipse: s-maj=585.3km s-min=150.0km az=87.0.
ISC IX 12 17 12 57.5–2.0 20.2S–.40 179.0W–.20 625–15 3.8b 12 4-146
ISCJB IX 12 17 12 56.7–2.0 20.2S–.40 179.1W–.20 633–16 3.8b **¶11910111**
IDC IX 12 17 12 56.8–3.3 20.27S 178.95W 621–40 3.4,3.2
NEIC IX 12 17 12 57.4–1.6 20.15S 179.05W 627–11 4.4b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=60.8km s-min=17.4km az=150.0.
IDC Error ellipse: s-maj=58.5km s-min=15.7km az=151.0.
NEIC Event type se. Error ellipse: s-maj=44.0km s-min=13.8km az=148.0.
IDC IX 13 07 52 34.9–1.9 18.17S 176.08W 0 4.5,4.3b ¶11910163

IDC Error ellipse: s-maj=53.7km s-min=31.3km az=136.0.
IDC IX 13 11 35 17.5–6.7 18.34S 178.04W 0 3.9,3.6b ¶11910179

IDC Error ellipse: s-maj=288.5km s-min=38.0km az=143.0.
ISC IX 13 19 19 14.4–.83 20.32S–.04 177.80W–.04 389–8 4.6b 328 5-165
SZGRF IX 13 19 18 29.8 21.08S 177.07W 33 4.6b **¶11277513**
MOS IX 13 19 19 10.6–2.4 19.66S 177.98W 332 4.8b
NEIC IX 13 19 19 13.2–.15 20.24S 177.78W 382 4.7b
ISCJB IX 13 19 19 13.4–.86 20.30S–.04 177.86W–.04 391–9 4.6b
IDC IX 13 19 19 14.3–.83 20.29S 177.83W 391–8 4.4,4.4
DJA IX 13 19 19 25 20.52S 178.28W 493 5.1b,4.4
ISC Event type se.
SZGRF Fiji Islands region.
MOS Error ellipse: s-maj=9.7km s-min=7.7km az=131.7.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.0km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.7km az=144.0.
IDC Error ellipse: s-maj=13.3km s-min=8.5km az=126.0.
ISC IX 13 21 45 44.6–.57 16.58S–.09 179.54W–.08 551–7 4.0b 199 3-157
SZGRF IX 13 21 44 45.4 17.13S 177.91W 33 4.0b **¶11783583**
IDC IX 13 21 45 42.6–2.5 16.92S 179.31W 545–30 3.8,3.7
NEIC IX 13 21 45 43.4–.70 16.72S 179.43W 544–8 4.1b,3.7
ISCJB IX 13 21 45 44.1–.58 16.59S–.09 179.58W–.08 559–7 4.0b,3.7
ISC Event type se.
SZGRF Fiji Islands region.
NEIC Event type se.
ISCJB Event type se.
IDC IX 14 02 03 14.8–25 17.10S 178.59W 550–245 3.5,3.2b ¶11910224

IDC Error ellipse: s-maj=279.6km s-min=61.6km az=132.0.
ISC IX 14 14 05 42.5–1.6 21.2S–.20 178.9W–.20 638–15 3.7b 17 4-147
IDC IX 14 14 05 39.2–5.6 21.05S 178.80W 596–65 3.6,3.4b **¶11910265**
ISCJB IX 14 14 05 41.5–1.5 21.3S–.20 178.9W–.20 645–15 3.7b,3.4b
NEIC IX 14 14 05 42.4–1.4 21.17S 178.93W 637–13 4.3b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=32.8km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=32.9km s-min=22.1km az=20.1.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=18.4km az=118.0.
IDC IX 14 16 34 53.4–4.8 19.34S 176.05W 0 4.1,3.9b ¶11910274

IDC Error ellipse: s-maj=147.5km s-min=94.2km az=156.0.
ISC IX 14 18 55 36.8–1.6 19.7S–.30 177.9W–.10 554–10 4.2b 39 4-173
SZGRF IX 14 18 54 31.8 21.45S 177.36W 33 4.2b **¶11282233**
BJI IX 14 18 55 31.9 20.50S 177.90W 553 4.7b,4.5b
IDC IX 14 18 55 32.0–2.4 20.27S 178.01W 532–20 4.0,3.8
BGS IX 14 18 55 32.2–6.4 20.51S 177.95W 553–0 4.3b,3.8
NEIC IX 14 18 55 33.0–1.2 20.51S 177.95W 553–9 4.3b,3.8
ISCJB IX 14 18 55 36.2–1.6 19.7S–.30 178.0W–.10 561–10 4.2b,3.8
ISC Event type se.
SZGRF Fiji Islands region.
NEIC Event type se.
ISCJB Event type se.
ISC IX 15 02 31 36.8–.64 20.10S–.05 177.79W–.04 503–7 4.5b 412 5-173
SZGRF IX 15 02 30 39.7 21.10S 176.48W 33 4.5b **¶12922604**
BGS IX 15 02 31 33.1–5.1 20.07S 177.69W 476–0 4.5b
NEIC IX 15 02 31 33.9–.15 20.07S 177.69W 476 4.5b
BJI IX 15 02 31 34.8 20.10S 177.70W 499 4.7b,4.6b
IDC IX 15 02 31 34.9–.68 20.02S 177.73W 485–6 4.2,4.2
MOS IX 15 02 31 35.1–1.5 19.90S 177.71W 490 4.6b,4.2
ISCJB IX 15 02 31 36.3–.65 20.13S–.05 177.83W–.04 510–7 4.5b,4.2
DJA IX 15 02 31 43 20.39S 178.31W 550 5.0b,4.2
ISC Event type se.
SZGRF Fiji Islands region.
BGS Error ellipse: s-maj=382.1km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=138.0.
IDC Error ellipse: s-maj=12.0km s-min=9.2km az=143.0.
MOS Error ellipse: s-maj=12.1km s-min=10.2km az=59.9.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.8km az=145.9.
IDC IX 15 05 44 43.4–29 18.80S 177.52W 542–272 3.2,3.0b ¶11910319

IDC Error ellipse: s-maj=296.8km s-min=60.7km az=131.0.
ISC IX 15 09 26 19.3–.78 20.31S–.05 177.74W–.08 491–8 4.2b 68 5-173
SZGRF IX 15 09 25 23.8 21.74S 177.23W 33 4.2b **¶11783635**
ISCJB IX 15 09 26 16.8–1.1 20.22S–.05 177.76W–.08 473–12 4.2b
NEIC IX 15 09 26 17.8–.81 20.12S 177.71W 474–8 4.4b
IDC IX 15 09 26 19.2–2.3 20.21S 177.85W 484–24 3.9,3.8
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=7.6km az=8.5.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.5km az=136.0.
IDC Error ellipse: s-maj=14.1km s-min=10.8km az=146.0.
IDC IX 15 15 54 35.2–4.1 17.49S 179.00W 0 4.2,4.0b ¶11910342

IDC Error ellipse: s-maj=174.1km s-min=35.6km az=139.0.
IDC IX 15 23 08 51.9–1.8 21.33S 176.21W 0 4.4L,4.3 ¶11910375

IDC Error ellipse: s-maj=44.8km s-min=36.8km az=97.0.

ISC IX 16 02 46 47.0–.94 19.3S–.10 177.4W–.10 572–11 4.2b 30 5-148
ISCJB IX 16 02 46 46.2–.95 19.3S–.10 177.4W–.10 577–12 4.2b **¶11910381**
IDC IX 16 02 46 46.4–1.4 19.29S 177.44W 562–17 3.8,3.6
NEIC IX 16 02 46 46.7–.81 19.31S 177.39W 572–9 4.5b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=11.5km az=149.4.
IDC Error ellipse: s-maj=22.6km s-min=11.1km az=147.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=10.4km az=149.0.
ISC IX 16 10 15 35.3–.88 18.1S–.20 178.4W–.10 608–10 3.8b 30 3-145
ISCJB IX 16 10 15 34.3–.85 18.1S–.20 178.4W–.10 614–11 3.8b **¶11910391**
IDC IX 16 10 15 34.7–1.7 18.01S 178.46W 601–23 3.6,3.4
NEIC IX 16 10 15 35.0–.70 18.03S 178.39W 607–8 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.8km s-min=10.9km az=151.1.
IDC Error ellipse: s-maj=24.5km s-min=12.0km az=147.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=9.5km az=153.0.
ISC IX 16 13 41 02.5–1.4 20.10S–.09 176.5W–.10 323–17 4.0b 32 8-88
IDC IX 16 13 41 02.0–2.4 20.15S 176.63W 309–30 4.1b,4.1 **¶11910402**
NEIC IX 16 13 41 06.5–.99 19.87S 176.84W 350 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=14.9km az=98.0.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=18.0km az=134.0.
IDC IX 17 02 21 40.2–8.4 20.27S 178.02W 586–98 3.3,3.1b
¶11910441
IDC Error ellipse: s-maj=87.4km s-min=43.8km az=155.0.
IDC IX 17 04 15 53.1–32 19.10S 178.51W 650–317 3.1,2.9b
¶11910449
IDC Error ellipse: s-maj=300.7km s-min=126.6km az=118.0.
IDC IX 17 12 35 20.4–2.2 16.78S 179.46W 512–27 3.5,3.2b
¶11910475
IDC Error ellipse: s-maj=49.1km s-min=13.8km az=158.0.
ISC IX 17 15 50 11.7–1.5 20.70S–.09 177.87W–.10 390–14 4.1b 51 5-153
IDC IX 17 15 50 05.5–2.3 20.69S 177.72W 329–23 4.1,3.9b **¶11910489**
ISCJB IX 17 15 50 10.7–1.4 20.74S–.07 177.90W–.09 394–14 4.1b,3.9b
NEIC IX 17 15 50 11.7–1.2 20.63S 177.91W 391–11 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=10.9km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=9.0km az=35.3.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.1km az=137.0.
ISC IX 17 15 55 49.4–1.1 17.7S–.10 178.2W–.10 552–12 4.0b 40 4-150
ISCJB IX 17 15 55 45.2–1.2 17.7S–.10 178.2W–.10 515–16 4.0b **¶11910490**
IDC IX 17 15 55 46.7–1.8 17.70S 178.15W 520–20 3.6,3.6
NEIC IX 17 15 55 49.5–.93 17.71S 178.27W 554–9 4.8b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.2km s-min=11.0km az=148.5.
IDC Error ellipse: s-maj=29.7km s-min=11.0km az=152.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=10.4km az=148.0.
ISC IX 18 12 04 06.5–.73 18.06S–.09 177.82W–.08 602–10 4.3b 50 7-175
SZGRF IX 18 12 02 55.0 18.66S 175.36W 33 4.3b **¶11910550**
ISCJB IX 18 12 04 05.8–.75 18.10S–.10 177.85W–.08 611–11 4.3b
BJI IX 18 12 04 05.5 17.38S 177.19W 601 4.6b
IDC IX 18 12 04 06.1–1.1 18.06S 177.84W 600–14 3.9,3.8
NEIC IX 18 12 04 06.2–.71 18.05S 177.81W 604–9 4.8b,3.8
ISC Event type se.
SZGRF Tonga Islands.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=8.3km az=148.9.
IDC Error ellipse: s-maj=15.0km s-min=9.3km az=150.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.6km az=157.0.
ISC IX 18 17 52 02.2–1.2 17.7S–.20 178.6W–.10 506–13 3.5b 16 3-87
ISCJB IX 18 17 52 01.5–1.2 17.7S–.20 178.6W–.10 509–13 3.5b **¶11910570**
NEIC IX 18 17 52 01.9–1.1 17.72S 178.55W 504–12 3.5b
IDC IX 18 17 52 02.3–3.1 17.71S 178.58W 507–36 3.5,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.4km s-min=16.8km az=146.3.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=15.5km az=133.0.
IDC Error ellipse: s-maj=22.0km s-min=14.0km az=150.0.
ISC IX 19 03 24 40.0–.69 17.54S–.07 178.55W–.04 551–8 4.4b 280 3-164
SZGRF IX 19 03 23 42.1 17.87S 177.13W 33 4.4b **¶11322792**
IDC IX 19 03 24 39.9–1.0 17.52S 178.56W 552–11 4.0,4.0
ISCJB IX 19 03 24 39.4–.72 17.55S–.07 178.59W–.04 556–8 4.4b,4.0
MOS IX 19 03 24 39.3–1.1 17.40S 178.61W 546 4.6b,4.0
NEIC IX 19 03 24 42.0–.52 17.59S 178.56W 580–6 4.4b,4.0
BJI IX 19 03 24 43.0 17.07S 178.62W 580 4.7b,4.5b
DJA IX 19 03 24 49 17.93S 179.23W 621 4.9b,4.5b
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=15.6km s-min=8.6km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=4.2km az=161.1.
MOS Error ellipse: s-maj=14.0km s-min=10.6km az=163.8.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=161.0.
ISC IX 19 06 32 23.3–1.2 17.8S–.30 178.6W–.20 569–13 3.8b 24 3-147
ISCJB IX 19 06 32 22.8–1.1 17.7S–.30 178.7W–.20 577–14 3.8b **¶11910608**
IDC IX 19 06 32 23.8–1.6 17.84S 178.60W 582–18 3.7,3.6
NEIC IX 19 06 32 25.2–.88 17.88S 178.50W 597–8 3.7b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=47.8km s-min=12.0km az=152.6.
IDC Error ellipse: s-maj=36.9km s-min=9.8km az=152.0.
NEIC Event type se. Error ellipse: s-maj=36.9km s-min=11.7km az=153.0.
ISC IX 20 10 24 56.9–1.3 17.6S–.20 178.4W–.10 533–19 3.9b 15 7-145
ISCJB IX 20 10 24 55.9–1.3 17.6S–.20 178.4W–.10 532–20 3.9b **¶11910691**
IDC IX 20 10 24 56.7–2.1 17.58S 178.34W 530–27 3.6,3.4
NEIC IX 20 10 24 56.9–.99 17.57S 178.36W 534–14 4.7b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.9km s-min=13.3km az=147.7.
IDC Error ellipse: s-maj=27.2km s-min=12.8km az=148.0.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=9.7km az=148.0.
ISC IX 20 15 41 15.8–.99 19.0S–.10 177.6W–.20 602–19 3.5b 18 8-146
ISCJB IX 20 15 41 15.1–.00 19.0S–.10 177.7W–.20 603–19 3.5b **¶11910707**
IDC IX 20 15 41 16.1–1.3 18.90S 177.56W 607–21 3.3,3.2b
NEIC IX 20 15 41 16.0–.93 18.91S 177.58W 608–15 3.3b,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.0km s-min=13.1km az=26.9.
IDC Error ellipse: s-maj=32.5km s-min=13.6km az=134.0.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=12.8km az=132.0.
ISC IX 20 18 24 10.7–.82 18.5S–.10 177.68W–.10 567–10 4.0b 26 4-146
ISCJB IX 20 18 24 10.0–.84 18.6S–.10 177.71W–.10 575–10 4.0b **¶11910717**
IDC IX 20 18 24 10.1–1.6 18.21S 177.94W 552–18 3.7,3.4b
NEIC IX 20 18 24 11.0–.84 18.54S 177.71W 574–9 4.3b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=11.4km az=154.3.
IDC Error ellipse: s-maj=66.5km s-min=12.1km az=150.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=11.5km az=151.0.
ISC IX 20 19 15 13.4–1.3 20.1S–.10 177.7W–.10 470–16 3.6b 19 8-148
ISCJB IX 20 19 15 12.8–1.3 20.1S–.10 177.7W–.10 477–16 3.6b **¶11910724**
NEIC IX 20 19 15 13.0–1.4 20.08S 177.64W 467–17 3.9b
IDC IX 20 19 15 18.9–3.3 20.46S 177.59W 541–41 3.3,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.3km s-min=12.3km az=44.4.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=11.7km az=135.0.
IDC Error ellipse: s-maj=42.6km s-min=13.9km az=156.0.
IDC IX 20 20 56 40.5–8.2 18.65S 179.53W 0 3.8,3.6
¶11910729
IDC Error ellipse: s-maj=362.7km s-min=38.3km az=144.0.
IDC IX 20 21 10 46.4–5.0 16.79S 175.87E 0 4.4,4.1b
¶11910730
IDC Error ellipse: s-maj=330.6km s-min=49.8km az=154.0.
ISC IX 20 21 53 58.9–1.4 17.5S–.40 178.9W–.20 534–22 3.7b 11 8-151
ISCJB IX 20 21 53 57.9–1.5 17.4S–.40 178.9W–.30 532–24 3.7b **¶11910736**
IDC IX 20 21 53 59.0–2.1 17.46S 178.88W 535–28 3.5,3.3
NEIC IX 20 21 53 58.9–.98 17.50S 178.86W 535–14 4.1b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=67.8km s-min=15.6km az=149.6.
IDC Error ellipse: s-maj=58.5km s-min=14.4km az=150.0.
NEIC Event type se. Error ellipse: s-maj=44.8km s-min=10.7km az=150.0.
IDC IX 21 05 19 19.6–16 17.89S 178.02W 446–168 3.5,3.2b
¶11910748
IDC Error ellipse: s-maj=107.2km s-min=50.1km az=122.0.
ISC IX 21 07 45 22.5–.81 20.58S–.09 178.39W–.06 553–8 4.3b 282 4-173
ISCJB IX 21 07 45 21.5–.72 20.69S–.07 178.39W–.06 556–8 4.3b **¶11282355**
NEIC IX 21 07 45 21.7–.73 20.58S 178.31W 546–8 4.4b
SZGRF IX 21 07 45 21.3 20.61S 177.10W 33 4.4b
IDC IX 21 07 45 24.1–2.5 20.46S 178.37W 570–28 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=7.1km az=146.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.2km az=143.0.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=19.9km s-min=10.6km az=152.0.
ISC IX 21 16 18 03.8–1.5 17.1S–.50 179.2W–.30 571–13 3.7b 13 3-86
IDC IX 21 16 17 59.2–2.2 17.21S 179.00W 518–32 3.5,3.2b **¶11910771**
ISCJB IX 21 16 18 03.1–1.4 17.0S–.50 179.3W–.30 577–14 3.7b,3.2b
NEIC IX 21 16 18 03.6–1.1 17.06S 179.22W 571–10 4.3b,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=92.4km s-min=15.5km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=87.5km s-min=21.1km az=153.3.
NEIC Event type se. Error ellipse: s-maj=63.0km s-min=15.1km az=153.0.
ISC IX 21 16 23 19.1–.82 17.86S–.09 178.60W–.08 542–10 4.2b 56 3-150
ISCJB IX 21 16 23 18.5–.83 17.89S–.09 178.63W–.08 548–11 4.2b **¶11282365**
IDC IX 21 16 23 19.5–1.2 17.65S 178.76W 543–14 3.9,3.7b
NEIC IX 21 16 23 20.2–.38 17.70S 178.67W 553 4.5b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=8.5km az=144.6.
IDC Error ellipse: s-maj=21.4km s-min=9.6km az=148.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=8.6km az=148.0.
ISC IX 21 20 51 53.0–2.8 17.2S–.50 178.6W–.50 612–14 3.6b 12 3-147
IDC IX 21 20 51 49.5–8.3 17.27S 178.47W 576–81 3.5,3.3b **¶11910789**
ISCJB IX 21 20 51 52.7–2.8 17.2S–.50 178.8W–.50 620–15 3.6b,3.3b
NEIC IX 21 20 51 52.6–1.9 17.32S 178.57W 611–11 3.4b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=67.7km s-min=29.6km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=100.8km s-min=29.1km az=42.6.
NEIC Event type se. Error ellipse: s-maj=66.8km s-min=22.0km az=137.0.
ISC IX 22 15 42 38.3–.89 18.4S–.10 177.7W–.10 604–12 3.6b 12 4-148
ISCJB IX 22 15 42 37.7–.87 18.4S–.10 177.7W–.10 613–12 3.6b **¶11910836**
IDC IX 22 15 42 39.0–2.8 18.49S 177.84W 604–36 3.4,3.2b
NEIC IX 22 15 42 39.6–1.2 18.44S 177.83W 613–11 3.4b,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.7km s-min=14.6km az=141.2.
IDC Error ellipse: s-maj=30.5km s-min=16.8km az=141.0.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=15.5km az=95.0.
ISC IX 22 17 38 47.4–.93 20.54S–.09 177.8W–.10 540–10 4.1b 39 5-150
ISCJB IX 22 17 38 46.5–.93 20.52S–.08 177.8W–.10 541–11 4.1b **¶11910843**
NEIC IX 22 17 38 49.5–1.1 20.41S 178.05W 556–11 4.5b
IDC IX 22 17 38 50.3–2.0 20.60S 177.94W 569–23 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=10.6km az=28.6.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=12.1km az=130.0.
IDC Error ellipse: s-maj=15.9km s-min=10.0km az=139.0.
IDC IX 22 20 56 27.0–1.7 16.87S 178.18W 0 4.1,3.8b
¶11910856
IDC Error ellipse: s-maj=153.3km s-min=23.5km az=152.0.
ISC IX 23 10 24 58.1–1.3 20.2S–.10 177.6W–.10 464–17 3.5b 20 8-147
ISCJB IX 23 10 24 57.6–1.2 20.2S–.10 177.7W–.10 470–16 3.5b **¶11910883**
IDC IX 23 10 24 58.9–1.9 20.23S 177.61W 479–23 3.4,3.3
NEIC IX 23 10 24 59.1–1.3 20.22S 177.58W 479–16 3.9b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.0km s-min=12.5km az=137.3.
IDC Error ellipse: s-maj=29.0km s-min=12.1km az=145.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=11.6km az=141.0.
ISC IX 23 12 10 07.1–1.0 20.1S–.10 177.7W–.10 551–11 4.0b 22 5-150
ISCJB IX 23 12 10 06.3–1.0 20.1S–.10 177.8W–.10 555–13 4.0b **¶11910887**
NEIC IX 23 12 10 06.3–.88 20.14S 177.55W 558–11 4.0b
IDC IX 23 12 10 09.1–2.4 20.13S 177.87W 569–29 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.0km s-min=12.8km az=143.9.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=14.6km az=130.0.
IDC Error ellipse: s-maj=29.2km s-min=12.3km az=149.0.
ISC IX 24 03 21 54.0–.00 16.2S–.20 176.0W–.10 359–12 3.9b 14 5-146
ISCJB IX 24 03 21 53.4–.98 16.2S–.20 176.0W–.10 366–11 3.9b **¶11910915**
IDC IX 24 03 21 53.6–1.4 16.17S 176.01W 358–15 3.8,3.6
NEIC IX 24 03 21 54.8–.98 16.19S 176.00W 372–10 4.1b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.9km s-min=13.4km az=147.1.
IDC Error ellipse: s-maj=32.9km s-min=12.2km az=141.0.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=10.0km az=147.0.
IDC IX 24 08 13 31.9–1.2 16.45S 178.54W 0 4.2,4.0
¶11910924
IDC Error ellipse: s-maj=61.3km s-min=19.4km az=153.0.
IDC IX 24 18 21 26.2–14 18.13S 177.43W 0 4.0,3.9
¶11910944
IDC Error ellipse: s-maj=283.3km s-min=47.8km az=61.0.
ISC IX 24 22 23 20.0–.65 18.82S–.07 177.58W–.07 482–7 4.1b 56 4-149
ISCJB IX 24 22 23 19.7–.64 18.81S–.07 177.62W–.07 491–7 4.1b **¶11910966**
IDC IX 24 22 23 19.3–1.6 18.92S 177.55W 475–21 3.9,3.8
NEIC IX 24 22 23 20.9–.72 18.81S 177.57W 493–7 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.2km az=136.7.
IDC Error ellipse: s-maj=22.5km s-min=11.6km az=128.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.6km az=112.0.
IDC IX 25 03 51 23.4–13 17.94S 178.21W 568–137 3.5,3.3b
¶11910986
IDC Error ellipse: s-maj=86.0km s-min=33.5km az=53.0.
IDC IX 25 07 22 04.8–1.9 15.46S 176.05E 0 4.2,3.9
¶11911001
IDC Error ellipse: s-maj=121.4km s-min=23.4km az=146.0.
ISC IX 25 12 30 23.0–.86 21.07S–.05 178.08W–.06 498–9 4.3b 79 5-172
SZGRF IX 25 12 30 17.7 21.17S 177.73W 33 4.3b **¶11313769**
ISCJB IX 25 12 30 22.6–.93 21.01S–.05 178.13W–.06 502–10 4.3b
NEIC IX 25 12 30 23.9–.80 20.95S 178.14W 505–9 4.4b
IDC IX 25 12 30 24.6–2.1 21.02S 178.04W 517–23 4.0,3.9
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.4km az=35.9.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.0km az=142.0.
IDC Error ellipse: s-maj=15.9km s-min=10.1km az=140.0.
ISC IX 25 20 47 58.7–.00 16.6S–.20 176.5W–.10 390–11 4.1b 21 5-145
ISCJB IX 25 20 47 57.6–1.1 16.6S–.20 176.6W–.20 393–12 4.1b **¶11911042**
IDC IX 25 20 47 57.1–2.0 16.58S 176.64W 370–23 4.0,3.8
NEIC IX 25 20 47 58.5–1.0 16.63S 176.51W 390–11 4.5b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.8km s-min=12.9km az=145.4.
IDC Error ellipse: s-maj=28.7km s-min=12.2km az=144.0.
NEIC Event type se. Error ellipse: s-maj=34.4km s-min=13.1km az=149.0.
IDC IX 26 01 59 26.4–17 19.05S 179.17W 563–171 3.2,2.9b
¶11911062
IDC Error ellipse: s-maj=269.3km s-min=65.1km az=141.0.
ISC IX 26 05 48 52.2–.12 17.70S–.04 178.23W–.03 568 4.9b 451 4-175
BJI IX 26 05 48 49.3 17.46S 177.77W 558 4.9b,4.8b **¶11310445**
ISCJB IX 26 05 48 50.8–.12 17.74S–.04 178.25W–.03 566 4.9b,4.8b
NEIC IX 26 05 48 51.9–.12 17.66S 178.20W 571 4.8b,4.8b
BGS IX 26 05 48 51.1–7.9 17.66S 178.20W 571–0 4.8b,4.8b
IDC IX 26 05 48 52.2–.45 17.72S 178.22W 572–5 4.5,4.5
SZGRF IX 26 05 48 53.2 18.46S 178.51W 596 4.5,4.5

DJA IX 26 05 48 53 17.82S 178.20W 590 5.4b,4.5
GCMT IX 26 05 48 57.1–.60 17.58S 178.21W 596–3 5.3W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.7km az=154.6.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=144.0.
BGS Error ellipse: s-maj=770.4km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=7.3km az=144.0.
SZGRF Fiji Islands region.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s49,c68; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s263.00000°,δ45.00000°,λ-13.00000°. NP2:ϕ_s2.00000°,δ81.00000°,λ-135.00000°. Principal axes: T 1.2800,Plg23.0000°,Azm125.0000°; N -0.5000,Plg44.0000°,Azm11.0000°; P -0.7900,Plg38.0000°,Azm233.0000° $M_0$1.00000×10^{17}

ISC IX 26 06 24 05.8–1.4 21.1S–.20 178.5W–.20 517–19 3.6b 14 10-147
ISCJB IX 26 06 24 05.1–1.4 21.0S–.20 178.6W–.20 519–19 3.6b **¶11911070**
IDC IX 26 06 24 05.3–2.0 21.07S 178.44W 516–23 3.5,3.3
NEIC IX 26 06 24 06.5–1.4 21.09S 178.48W 533–17 4.5b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.4km s-min=13.5km az=139.0.
IDC Error ellipse: s-maj=33.8km s-min=13.2km az=150.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=14.1km az=143.0.
ISC IX 27 04 05 42.6–3.2 18.8S–.80 177.9W–.40 588–21 3.3b 10 4-149
ISCJB IX 27 04 05 41.6–3.2 18.9S–.80 178.0W–.40 594–22 3.3b **¶11911150**
NEIC IX 27 04 05 42.3–2.1 18.83S 177.90W 588–13 4.2b
IDC IX 27 04 05 43.1–6.7 18.92S 177.89W 599–74 3.1,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=133.0km s-min=20.8km az=153.1.
NEIC Event type se. Error ellipse: s-maj=82.8km s-min=12.7km az=153.0.
IDC Error ellipse: s-maj=100.4km s-min=28.0km az=151.0.
IDC IX 27 10 19 12.2–7.5 18.50S 178.10W 0 3.7,3.6
¶11911187
IDC Error ellipse: s-maj=325.4km s-min=37.7km az=144.0.
IDC IX 28 09 36 39.1–2.3 15.11S 177.64W 373–35 3.3,3.2
¶11911265
IDC Error ellipse: s-maj=93.2km s-min=15.3km az=151.0.
ISC IX 28 22 37 19.0–1.1 20.49S–.08 178.21W–.09 546–12 3.9b 41 4-150
SZGRF IX 28 22 36 27.2 18.68S 175.30W 33 3.9b **¶11911301**
ISCJB IX 28 22 37 18.3–1.1 20.49S–.08 178.25W–.09 550–12 3.9b
NEIC IX 28 22 37 19.2–.80 20.46S 178.23W 549–8 4.2b
IDC IX 28 22 37 21.8–3.0 20.49S 178.25W 576–34 3.6,3.4b
ISC Event type se.
SZGRF Tonga Islands.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=11.0km az=39.2.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.6km az=122.0.
IDC Error ellipse: s-maj=22.0km s-min=13.3km az=156.0.
IDC IX 29 00 00 56.6–4.1 16.63S 177.10W 0 4.1,3.8b
¶11911308
IDC Error ellipse: s-maj=181.4km s-min=33.8km az=137.0.
ISC IX 29 03 13 12.0–.61 21.07S–.06 179.18W–.05 619–7 4.5b 466 4-175
BJI IX 29 03 13 09.3 21.10S 179.20W 618 4.9b,4.5b **¶11322351**
ISCJB IX 29 03 13 11.2–.56 21.13S–.06 179.20W–.05 628–7 4.5b,4.5b
SZGRF IX 29 03 13 12.5 21.00S 178.39W 631 4.5b,4.5b
NEIC IX 29 03 13 12.3–.64 21.07S 179.19W 629–7 4.5b,4.5b
IDC IX 29 03 13 12.9–1.5 20.99S 179.20W 633–16 4.1,4.1
BGS IX 29 03 13 19.0–6.3 18.10S 178.72W 631–0 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.0km az=147.9.
SZGRF Fiji Islands region.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.1km az=141.0.
IDC Error ellipse: s-maj=18.8km s-min=8.3km az=154.0.
BGS Error ellipse: s-maj=503.7km s-min=999.9km az=-1.0.
ISC IX 29 03 26 03.5–.93 18.0S–.20 178.6W–.10 607–9 4.2b 33 3-145
IDC IX 29 03 26 01.6–5.1 17.60S 178.72W 576–61 3.9,3.6b **¶11911316**
NEIC IX 29 03 26 02.1–.88 18.00S 178.55W 592–9 3.9b,3.6b
ISCJB IX 29 03 26 03.1–.96 18.0S–.20 178.7W–.10 619–10 4.2b,3.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 29 03 29 02.3–.85 18.20S–.09 178.76W–.07 635–10 4.3b 196 3-175
SZGRF IX 29 03 27 53.9 18.89S 178.12W 33 4.3b **¶11322352**
ISCJB IX 29 03 29 00.2–.62 18.23S–.09 178.72W–.06 625–7 4.3b
IDC IX 29 03 29 00.5–1.2 17.97S 178.84W 613–15 4.0,3.7b
BJI IX 29 03 29 00.4 18.10S 178.70W 600 4.6b,4.4b
NEIC IX 29 03 29 01.5–.71 18.10S 178.72W 630–8 4.4b,4.4b
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=5.6km az=150.6.
IDC Error ellipse: s-maj=24.4km s-min=9.1km az=151.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=8.2km az=149.0.
IDC IX 29 08 37 19.5–53 19.98S 179.38W 0 3.9,3.7b
¶11911327
IDC Error ellipse: s-maj=968.5km s-min=151.7km az=82.0.
ISC IX 29 17 48 15.9–.92 19.3S–.20 177.4W–.10 579–16 4.3b 29 5-153
ISCJB IX 29 17 48 15.4–.84 19.1S–.20 177.5W–.10 598–16 4.3b **¶11911371**
IDC IX 29 17 48 15.1–1.5 19.44S 177.58W 546–16 3.9,3.7b
NEIC IX 29 17 48 15.8–.94 19.56S 177.49W 560–10 4.6b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.6km s-min=14.0km az=160.8.
IDC Error ellipse: s-maj=33.7km s-min=11.9km az=153.0.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=12.4km az=156.0.
ISC IX 29 23 02 51.5–.88 15.9S–.10 177.50W–.09 455–10 3.4b 19 5-146
ISCJB IX 29 23 02 51.2–.91 15.8S–.10 177.55W–.10 465–10 3.4b **¶11911411**
IDC IX 29 23 02 51.7–8.8 15.87S 177.45W 457–96 3.4,3.1b
NEIC IX 29 23 02 51.2–.84 15.87S 177.49W 451–9 3.4b,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=14.2km az=152.0.
IDC Error ellipse: s-maj=139.5km s-min=32.0km az=149.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=10.7km az=167.0.
ISC IX 30 02 48 57.7–1.5 18.1S–.30 178.5W–.20 608–15 3.9b 12 3-148
ISCJB IX 30 02 48 57.1–1.5 18.0S–.30 178.6W–.20 615–16 3.9b **¶11911429**
NEIC IX 30 02 48 57.5–1.2 18.05S 178.51W 608–11 4.4b
IDC IX 30 02 48 58.1–5.2 17.95S 178.62W 611–61 3.5,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=47.6km s-min=20.7km az=150.4.
NEIC Event type se. Error ellipse: s-maj=35.0km s-min=15.2km az=150.0.
IDC Error ellipse: s-maj=51.6km s-min=24.0km az=145.0.
ISC IX 30 14 27 31.5–1.5 18.1S–.20 178.1W–.20 565–15 3.7b 16 4-148
IDC IX 30 14 27 29.5–8.0 17.97S 178.15W 534–94 3.5,3.3 **¶11911456**
ISCJB IX 30 14 27 30.8–1.4 18.1S–.20 178.2W–.20 571–15 3.7b,3.3
NEIC IX 30 14 27 31.2–1.1 18.15S 178.11W 563–10 3.9b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=54.2km s-min=29.7km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=35.3km s-min=19.5km az=148.9.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=13.5km az=148.0.
ISC IX 30 16 44 20.2–.75 17.6S–.30 178.3W–.10 593–16 4.0b 14 3-72
ISCJB IX 30 16 44 19.6–.76 17.7S–.30 178.4W–.10 600–17 4.0b **¶11911467**
IDC IX 30 16 44 19.2–1.6 17.85S 178.34W 565–31 3.5,3.4
NEIC IX 30 16 44 19.8–.67 17.58S 178.28W 596–12 3.9b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=46.8km s-min=15.7km az=163.2.
IDC Error ellipse: s-maj=43.1km s-min=21.0km az=177.0.
NEIC Event type se. Error ellipse: s-maj=39.4km s-min=14.6km az=171.0.
ISC IX 30 21 55 19.8–.88 17.2S–.10 179.01W–.09 552–12 3.5b 23 3-147
ISCJB IX 30 21 55 18.0–1.2 17.2S–.10 179.09W–.10 541–17 3.5b **¶11911491**
IDC IX 30 21 55 18.4–10 17.17S 179.01W 530–120 3.3,3.0b
NEIC IX 30 21 55 20.1–.59 17.23S 178.99W 557–7 3.7b,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=12.9km az=150.3.
IDC Error ellipse: s-maj=91.4km s-min=42.4km az=157.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.5km az=157.0.
ISC IX 30 23 50 45.0–1.4 17.1S–.10 178.46W–.09 443–17 3.9b 32 3-176
ISCJB IX 30 23 50 43.7–1.4 17.0S–.10 178.51W–.09 440–16 3.9b **¶11911505**
IDC IX 30 23 50 44.6–1.8 16.97S 178.53W 432–19 3.8,3.6
NEIC IX 30 23 50 45.0–.85 16.96S 178.48W 442–9 4.1b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=13.6km az=161.4.
IDC Error ellipse: s-maj=20.8km s-min=12.7km az=146.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.7km az=152.0.
ISC X 01 06 19 46.5–.68 17.66S–.05 178.75W–.03 545–8 4.7b 743 3-175
SZGRF X 01 06 18 46.8 18.22S 177.29W 33 4.7b **¶11653183**
BJI X 01 06 19 41.5 18.29S 177.70W 567 4.8b,4.8b
MOS X 01 06 19 45.3–1.2 17.52S 178.72W 536 4.9b,4.8b
IDC X 01 06 19 47.1–.61 17.80S 178.69W 559–7 4.3b,4.3
NEIC X 01 06 19 47.6–.47 17.75S 178.70W 567–5 4.7b,4.3
ISCJB X 01 06 19 47.1–.78 17.65S–.05 178.81W–.03 566–9 4.7b,4.3
BGS X 01 06 19 47.5–6.7 17.75S 178.70W 567–0 4.7b,4.3
DJA X 01 06 19 52 17.93S 178.97W 609 5.1b,4.3
ISC Event type se.
SZGRF Fiji Islands region.
MOS Error ellipse: s-maj=9.8km s-min=7.3km az=49.6.
IDC Error ellipse: s-maj=11.3km s-min=7.2km az=148.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.9km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.4km az=160.6.
BGS Error ellipse: s-maj=476.2km s-min=999.9km az=-1.0.
IDC X 01 18 21 30.9–20 17.69S 178.26W 449–199 3.3,3.0b
¶11911566
IDC Error ellipse: s-maj=126.1km s-min=49.5km az=114.0.
ISC X 01 19 26 15.7–1.6 17.8S–.40 178.7W–.30 601–13 3.9b 24 3-144
IDC X 01 19 26 08.8–8.5 17.41S 178.68W 511–101 3.6,3.4b **¶11911576**
ISCJB X 01 19 26 15.1–1.7 17.8S–.40 178.8W–.30 610–14 3.9b,3.4b
NEIC X 01 19 26 15.5–1.5 17.76S 178.70W 599–11 4.1b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=74.9km s-min=28.7km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=74.6km s-min=18.5km az=150.8.
NEIC Event type se. Error ellipse: s-maj=67.3km s-min=15.1km az=152.0.
ISC X 01 23 27 19.8–.81 21.22S–.07 179.06W–.08 620–10 4.2b 55 4-151
ISCJB X 01 23 27 18.9–.81 21.23S–.07 179.08W–.09 628–10 4.2b **¶11911601**
NEIC X 01 23 27 19.4–.75 21.11S 179.03W 613–8 4.3b
IDC X 01 23 27 19.9–1.6 21.22S 179.10W 614–17 3.7,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=10.3km az=7.9.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.3km az=69.0.
IDC Error ellipse: s-maj=19.7km s-min=12.3km az=156.0.
ISC X 02 01 39 22.5–1.5 21.94S–.08 176.63W–.09 108–14 4.3b 58 7-161
ISCJB X 02 01 39 21.1–1.7 21.93S–.08 176.67W–.09 109–16 4.3b **¶11911674**
NEIC X 02 01 39 25.1–1.9 21.99S 176.60W 134–17 4.8b
IDC X 02 01 39 28.3–.93 22.01S 176.60W 162–7 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=9.9km az=39.3.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.2km az=143.0.
IDC Error ellipse: s-maj=16.9km s-min=12.2km az=140.0.
IDC X 02 02 26 30.6–15 17.21S 179.04W 618–149 3.4,3.3b
¶11911677
IDC Error ellipse: s-maj=144.9km s-min=74.2km az=116.0.
ISC X 02 22 31 03.5–2.3 21.0S–.20 177.9W–.10 533–30 3.6b 17 8-151
ISCJB X 02 22 31 02.8–2.3 21.0S–.20 178.0W–.10 533–34 3.6b **¶11911763**
IDC X 02 22 31 02.2–12 20.90S 177.86W 520–122 3.2,3.0b
NEIC X 02 22 31 03.6–1.8 20.94S 177.83W 542–23 3.6b,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.3km s-min=18.3km az=163.7.
IDC Error ellipse: s-maj=131.6km s-min=57.7km az=143.0.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=13.7km az=170.0.
IDC X 03 08 09 03.9–2.8 17.19S 176.07W 0 4.2,4.1b
¶12065766
IDC Error ellipse: s-maj=182.0km s-min=25.3km az=148.0.
ISC X 03 08 33 32.0–1.3 20.7S–.10 178.2W–.10 534–14 4.1b 46 5-150
IDC X 03 08 33 29.8–3.7 20.58S 178.18W 505–42 3.8,3.7 **¶12065767**
ISCJB X 03 08 33 31.5–1.3 20.6S–.10 178.3W–.10 540–14 4.1b,3.7
NEIC X 03 08 33 32.0–1.3 20.63S 178.21W 537–13 4.4b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=15.7km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=13.4km az=138.2.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=12.1km az=141.0.
ISC X 03 10 53 44.8–1.7 18.7S–.20 176.7W–.20 266–21 3.6b 21 7-85
ISCJB X 03 10 53 43.2–1.7 18.6S–.20 176.8W–.20 263–21 3.6b **¶12065776**
NEIC X 03 10 53 44.8–1.5 18.69S 176.73W 268–18 3.7b
IDC X 03 10 53 45.0–2.5 18.69S 176.68W 271–28 3.6,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.5km s-min=16.0km az=142.8.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=13.3km az=142.0.
IDC Error ellipse: s-maj=29.3km s-min=14.2km az=145.0.
IDC X 04 20 19 12.9–2.0 19.01S 176.80W 0 3.8,3.6
¶12065931
IDC Error ellipse: s-maj=58.0km s-min=40.4km az=27.0.
IDC X 04 22 13 48.1–7.9 18.72S 176.84E 0 3.9,3.6b
¶12065941
IDC Error ellipse: s-maj=321.0km s-min=125.1km az=155.0.
IDC X 05 06 45 00.6–50 16.45S 176.49W 0 4.2,4.0b
¶12065974
IDC Error ellipse: s-maj=925.9km s-min=163.0km az=78.0.
IDC X 05 12 32 18.4–61 16.23S 178.37W 0 4.1,3.9b
¶12066002
IDC Error ellipse: s-maj=1122.0km s-min=166.2km az=77.0.
IDC X 06 07 59 01.5–22 19.82S 177.64W 450–268 3.4,3.2
¶12066105
IDC Error ellipse: s-maj=104.0km s-min=35.8km az=15.0.
IDC X 06 09 36 23.8–53 16.83S 177.20W 0 4.1,3.9b
¶12066120
IDC Error ellipse: s-maj=991.4km s-min=184.9km az=78.0.
IDC X 06 13 45 37.7–8.9 17.95S 177.06W 0 3.7,3.5
¶12066154
IDC Error ellipse: s-maj=394.0km s-min=36.2km az=142.0.
ISC X 06 18 53 07.9–1.2 19.8S–.10 177.95W–.10 476–13 4.1b 46 4-173
IDC X 06 18 53 04.0–2.5 19.66S 177.87W 430–28 3.9,3.7b **¶12066173**
ISCJB X 06 18 53 07.5–1.2 19.78S–.10 178.03W–.10 483–13 4.1b,3.7b
NEIC X 06 18 53 08.3–1.2 19.69S 178.04W 477–13 4.1b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=13.0km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=12.2km az=142.6.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=11.7km az=131.0.
ISC X 06 20 56 30.1–.61 15.26S–.05 177.14W–.03 394–6 4.8b 588 5-178
SZGRF X 06 20 55 45.1 16.25S 176.37W 33 4.8b **¶11331083**
BJI X 06 20 56 25.7 15.05S 176.20W 389 4.9b,4.8b
DJA X 06 20 56 27 15.39S 177.05W 368 4.9b,4.8b
IDC X 06 20 56 29.0–1.4 15.29S 177.10W 387–14 4.5,4.4
NEIC X 06 20 56 29.7–.49 15.30S 177.11W 397–4 4.8b,4.4
BGS X 06 20 56 29.3–3.2 15.30S 177.11W 397–0 4.8b,4.4
ISCJB X 06 20 56 29.7–.64 15.27S–.05 177.18W–.03 403–6 4.8b,4.4
MOS X 06 20 56 30.5–1.1 15.22S 177.13W 414 4.7b,4.4
GCMT X 06 20 56 33.0–.40 15.33S 176.85W 410–1 5.2W,4.4
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=16.6km s-min=9.6km az=147.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.7km az=148.0.
BGS Error ellipse: s-maj=197.8km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.0km az=159.5.
MOS Error ellipse: s-maj=11.2km s-min=8.5km az=59.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}6.76±.29 $M_{\theta\theta}$-0.46±.54; $M_{\phi\phi}$-6.29±.47; $M_{r\theta}$-0.23±.48; $M_{\theta\phi}$-1.89±.45; $M_{\phi r}$0.13±.46; Best double couple: NP1:ϕ_s199.00000°,δ45.00000°,λ93.00000°. NP2: ϕ_s14.00000°,δ45.00000°,λ87.00000°. Principal axes: T 6.7700,Plg88.0000°,Azm203.0000°; N 0.0900,Plg2.0000°,Azm16.0000°; P -6.8500,Plg0.0000°,Azm106.0000° $M_0$6.80000×10^{16}

IDC X 07 13 18 30.7–2.3 18.74S 177.88W 526–49 3.1,3.0
¶12066259

IDC Error ellipse: s-maj=214.5km s-min=21.6km az=141.0.
NEIC X 07 13 58 41.3–1.4 16.30S 176.12W 359–46 3.3b
IDC X 07 13 58 41.5–2.1 16.19S 176.13W 355–68 3.4,3.3 **¶12066262**
NEIC Event type se. Error ellipse: s-maj=175.5km s-min=23.0km az=140.0.
IDC Error ellipse: s-maj=233.4km s-min=24.1km az=139.0.
IDC X 08 01 21 42.9–5.0 14.16S 176.16W 0 4.2,3.9b
¶12066306

IDC Error ellipse: s-maj=230.0km s-min=34.9km az=136.0.
IDC X 09 05 11 06.4–3.1 19.90S 177.27W 0 4.1,3.8
¶12066400

IDC Error ellipse: s-maj=332.9km s-min=35.0km az=160.0.
IDC X 09 07 19 17.1–6.9 18.23S 177.86W 0 4.0,3.7b
¶12066406

IDC Error ellipse: s-maj=298.6km s-min=38.1km az=143.0.
IDC X 10 05 24 35.3–2.3 15.84S 176.19W 364–52 3.4,3.2b
¶12066488

IDC Error ellipse: s-maj=143.0km s-min=26.0km az=140.0.
ISC X 10 11 03 24.8–1.3 20.75S–.09 178.01W–.10 526–16 4.3b 59 9-160
ISCJB X 10 11 03 23.9–1.3 20.78S–.07 178.04W–.09 530–17 4.3b **¶12066497**
IDC X 10 11 03 24.8–1.9 20.63S 178.06W 524–22 3.9,3.7
NEIC X 10 11 03 25.3–1.2 20.73S 177.94W 540–14 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=10.0km az=29.7.
IDC Error ellipse: s-maj=20.2km s-min=13.0km az=137.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.5km az=140.0.
ISC X 10 19 51 48.3–1.5 19.6S–.20 179.4W–.20 589–14 3.7b 15 3-149
IDC X 10 19 51 36.1–10 20.69S 178.26W 499–101 3.4,3.1b **¶12066531**
ISCJB X 10 19 51 47.6–1.5 19.6S–.20 179.4W–.20 597–15 3.7b,3.1b
NEIC X 10 19 51 48.1–1.5 19.62S 179.39W 590–13 3.8b,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=109.0km s-min=48.1km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=33.7km s-min=27.1km az=17.9.
NEIC Event type se. Error ellipse: s-maj=32.7km s-min=23.1km az=125.0.
ISC X 11 16 11 29.9–.65 21.40S–.08 178.8W–.10 606–12 3.5b 41 5-151
ISCJB X 11 16 11 29.3–.64 21.45S–.07 178.9W–.10 607–12 3.5b **¶12066594**
IDC X 11 16 11 29.8–1.8 21.07S 179.07W 597–21 3.2,3.1
NEIC X 11 16 11 30.5–1.1 21.22S 179.02W 614–14 3.5b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=8.7km az=22.5.
IDC Error ellipse: s-maj=24.9km s-min=16.3km az=151.0.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=18.7km az=129.0.
IDC X 11 19 09 38.0–1.9 18.23S 177.06W 522–33 3.4,3.3
¶12066601

IDC Error ellipse: s-maj=35.8km s-min=29.2km az=108.0.
ISC X 12 00 39 53.0–.79 20.18S–.06 178.31W–.04 572–10 4.7b 304 9-173
BJI X 12 00 39 50.0 19.69S 177.98W 549 4.8b,4.7b **¶11346044**
ISCJB X 12 00 39 52.1–.85 20.18S–.06 178.35W–.04 574–11 4.7b,4.7b
IDC X 12 00 39 53.5–.61 20.13S 178.28W 583–6 4.2,4.1
NEIC X 12 00 39 53.2–.76 20.17S 178.26W 580–9 4.7b,4.1
BGS X 12 00 39 54.0–5.0 20.17S 178.17W 580–0 4.7b,4.1
DJA X 12 00 39 56 20.51S 178.77W 577 5.1b,4.1
SZGRF X 12 00 39 56.5 20.06S 177.75W 612 5.1b,4.1
GCMT X 12 00 39 57.4–.50 20.13S 178.13W 596–3 5.3W,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.8km az=162.9.
IDC Error ellipse: s-maj=11.8km s-min=9.5km az=126.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.7km az=143.0.
BGS Error ellipse: s-maj=330.4km s-min=999.9km az=-1.0.
SZGRF Fiji Islands region.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s44,c54; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{r\phi}$0.00 $M_{\theta\phi}$0.00 Best double couple: NP1: ϕ_s341.00000°,δ23.00000°,λ4.00000°. NP2:ϕ_s247.00000°,δ88.00000°,λ113.00000°. Principal axes: T 1.0600,Plg42.0000°,Azm179.0000°; N 0.2700,Plg23.0000°,Azm66.0000° ; P -1.3300,Plg39.0000°,Azm316.0000° M_o1.20000×10^{17}
ISC X 12 00 48 30.3–.88 20.27S–.09 178.1W–.10 580–10 4.1b 44 4-154
SZGRF X 12 00 47 23.1 22.80S 178.51W 33 4.1b **¶12068431**
ISCJB X 12 00 48 29.4–.90 20.27S–.09 178.2W–.10 583–11 4.1b
NEIC X 12 00 48 30.7–.88 20.12S 178.17W 585–10 4.6b
IDC X 12 00 48 33.1–3.7 20.11S 178.30W 606–42 3.7,3.6
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=12.1km az=35.3.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=11.9km az=122.0.
IDC Error ellipse: s-maj=21.0km s-min=17.3km az=94.0.
IDC X 12 11 48 24.9–62 17.03S 177.20W 601–202 3.1,2.9b
¶12068462

IDC Error ellipse: s-maj=872.5km s-min=126.6km az=75.0.
ISC X 13 10 03 54.9–.86 17.5S–.10 178.8W–.10 537–11 4.0b 34 3-147
IDC X 13 10 03 52.7–1.5 17.44S 178.81W 510–17 3.6,3.4 **¶12068546**
ISCJB X 13 10 03 54.2–.89 17.6S–.10 178.8W–.10 542–11 4.0b,3.4
NEIC X 13 10 03 54.7–.91 17.55S 178.74W 537–12 4.0b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=12.5km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=24.4km s-min=12.3km az=147.1.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=13.6km az=148.0.
ISC X 13 15 56 52.6–.75 20.87S–.06 178.88W–.05 592–9 4.7b 129 4-172
BJI X 13 15 56 49.9 20.79S 177.97W 607 4.8b,4.8b **¶11346482**
ISCJB X 13 15 56 50.5–.93 20.86S–.06 178.90W–.05 580–13 4.7b,4.8b
NEIC X 13 15 56 53.4–.60 20.82S 178.86W 603–7 4.9b,4.8b
IDC X 13 15 56 54.2–.64 20.83S 178.92W 611–8 4.0,4.0
DJA X 13 15 56 59 21.16S 179.49W 650 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=6.6km az=160.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.0km az=167.0.
IDC Error ellipse: s-maj=11.8km s-min=9.1km az=152.0.
IDC X 14 15 14 01.1–8.9 19.69S 177.95W 483–304 3.3,3.2
¶12068617

IDC Error ellipse: s-maj=268.0km s-min=77.8km az=110.0.
ISC X 14 16 52 53.2–.73 21.62S–.03 178.16W–.03 407–7 5.1b 776 5-176
ISCJB X 14 16 52 50.4–1.0 21.53S–.03 178.22W–.03 389–10 5.1b **¶11348189**
BJI X 14 16 52 51.8 21.08S 177.78W 400 5.1b,5.1b
SZGRF X 14 16 52 51.7 22.23S 177.53W 414 5.1b,5.1b
DJA X 14 16 52 52 21.64S 178.00W 421 5.3b,5.1b
BGS X 14 16 52 53.3–4.6 21.56S 178.13W 410–0 5.0b,5.1b
IDC X 14 16 52 53.8–.52 21.59S 178.05W 416–5 4.6b,4.6
NEIC X 14 16 52 53.0–.13 21.56S 178.13W 410 5.0b,4.6
MOS X 14 16 52 54.8–.95 21.41S 178.25W 428 5.1b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=156.4.
SZGRF South of Fiji Islands.
BGS Error ellipse: s-maj=316.3km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=10.1km s-min=9.0km az=133.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=148.0.
MOS Error ellipse: s-maj=9.8km s-min=8.7km az=71.7.
IDC X 15 02 18 53.7–15 17.83S 178.90W 650–157 3.4,3.3b
¶12068653

IDC Error ellipse: s-maj=137.9km s-min=76.5km az=104.0.
ISC X 15 13 43 40.8–1.2 16.6S–.50 178.3W–.30 35 4.3b 11 32-86
IDC X 15 13 43 35.5–1.5 16.50S 178.39W 0 4.5,4.2b **¶12068686**
ISCJB X 15 13 43 39.1–1.1 16.7S–.50 178.4W–.30 33 4.3b,4.2b
IDC X 15 20 41 05.2–27 17.84S 178.41W 650–253 3.1,2.9b
¶12068712

IDC Error ellipse: s-maj=307.6km s-min=86.4km az=121.0.
IDC X 16 22 01 01.0–7.7 19.06S 177.02W 0 3.9,3.6b
¶12068833

IDC Error ellipse: s-maj=352.6km s-min=62.9km az=146.0.
IDC X 17 10 16 54.8–9.9 18.33S 178.34W 604–134 3.3,3.1
¶12068878

IDC Error ellipse: s-maj=69.0km s-min=22.3km az=2.0.

ISC X 17 16 22 27.6–1.6 19.2S–.20 178.5W–.20 482–15 3.6b 15 4-149
IDC X 17 16 22 25.8–8.5 18.21S 178.94W 436–85 3.4,3.1b **¶12068901**
ISCJB X 17 16 22 27.1–1.5 19.1S–.20 178.6W–.20 487–15 3.6b,3.1b
NEIC X 17 16 22 27.5–1.7 19.17S 178.53W 480–16 3.6b,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=82.1km s-min=34.8km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=31.6km s-min=23.6km az=139.6.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=22.2km az=138.0.
NEIC X 17 18 05 48.4–5.0 17.36S 178.70W 611–57 3.6b
IDC X 17 18 05 41.7–8.6 17.02S 178.66W 522–101 3.5,3.3b **¶12068907**
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=21.1km az=71.0.
IDC Error ellipse: s-maj=71.1km s-min=32.4km az=160.0.
ISC X 18 10 26 41.9–.14 20.59S–.04 177.86W–.03 531 4.7b 388 5-173
SZGRF X 18 10 25 41.0 21.89S 177.35W 33 4.7b **¶11359814**
BJI X 18 10 26 39.4 20.44S 177.35W 535 4.9b,4.8b
BGS X 18 10 26 40.2–5.4 20.52S 177.81W 520–0 4.7b,4.8b
ISCJB X 18 10 26 40.7–.14 20.61S–.04 177.90W–.03 530 4.7b,4.8b
IDC X 18 10 26 40.0–1.1 20.47S 177.75W 514–11 4.3,4.3
NEIC X 18 10 26 40.4–.17 20.52S 177.81W 520 4.7b,4.3
ISC Event type se.
SZGRF Fiji Islands region.
BGS Error ellipse: s-maj=752.4km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.3km az=153.8.
IDC Error ellipse: s-maj=11.5km s-min=9.3km az=143.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=158.0.
IDC X 18 10 31 03.9–55 18.52S 179.99W 0 4.1,3.9b
¶12068969

IDC Error ellipse: s-maj=999.1km s-min=163.1km az=79.0.
ISC X 18 11 16 34.8–2.2 20.6S–.30 178.2W–.20 536–19 3.7b 30 5-143
IDC X 18 11 16 30.4–2.8 20.50S 178.03W 487–31 3.5,3.3b **¶12068971**
ISCJB X 18 11 16 34.1–2.2 20.6S–.30 178.2W–.20 540–19 3.7b,3.3b
NEIC X 18 11 16 34.5–1.6 20.57S 178.15W 534–14 4.0b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=44.9km s-min=14.3km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=55.4km s-min=16.8km az=150.2.
NEIC Event type se. Error ellipse: s-maj=38.3km s-min=11.5km az=150.0.
IDC X 18 22 29 00.5–3.5 16.63S 177.41W 0 4.4,4.2b
¶12069002

IDC Error ellipse: s-maj=166.4km s-min=38.2km az=140.0.
IDC X 19 11 59 57.6–7.7 19.14S 178.40W 0 4.1,3.8b
¶12069039

IDC Error ellipse: s-maj=338.1km s-min=34.5km az=144.0.
ISC X 19 20 51 50.2–1.1 20.7S–.10 177.7W–.10 530–12 3.9b 30 5-148
ISCJB X 19 20 51 48.4–1.1 20.5S–.10 177.8W–.10 517–15 3.9b **¶12069077**
NEIC X 19 20 51 50.0–.92 20.66S 177.71W 528–9 4.3b
IDC X 19 20 51 49.5–1.7 20.56S 177.81W 518–22 3.6,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.2km s-min=12.4km az=136.8.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=11.3km az=142.0.
IDC Error ellipse: s-maj=29.5km s-min=13.3km az=137.0.
IDC X 19 21 50 46.2–1.8 16.79S 178.38W 0 4.3,4.0b
¶12069081

IDC Error ellipse: s-maj=161.3km s-min=30.5km az=156.0.
IDC X 19 22 18 14.3–49 15.72S 177.97W 0 4.3,4.1b
¶12069083

IDC Error ellipse: s-maj=914.8km s-min=157.6km az=76.0.
ISC X 20 12 30 30.9–.81 20.90S–.06 178.69W–.06 609–10 4.4b 96 4-172
SZGRF X 20 12 29 23.0 22.06S 178.34W 33 4.4b **¶12069128**
ISCJB X 20 12 30 29.3–.76 20.93S–.06 178.70W–.06 607–10 4.4b
IDC X 20 12 30 29.5–1.4 20.70S 178.61W 592–15 4.0,3.9
NEIC X 20 12 30 30.9–.64 20.67S 178.71W 604–7 4.4b,3.9
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.7km az=137.0.
IDC Error ellipse: s-maj=16.0km s-min=11.4km az=143.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.5km az=150.0.
IDC X 20 13 13 27.3–15 17.67S 178.90W 650–149 3.3,3.1b
¶12069131

IDC Error ellipse: s-maj=149.8km s-min=81.0km az=113.0.
IDC X 20 18 27 20.1–20 19.81S 178.51W 541–188 3.3,3.1b
¶12069148

IDC Error ellipse: s-maj=142.9km s-min=88.8km az=106.0.
ISC X 20 19 08 41.7–1.3 17.8S–.30 178.7W–.20 618–14 3.6b 17 3-147
IDC X 20 19 08 35.9–8.3 17.08S 178.87W 529–99 3.4,3.1b **¶12069152**
ISCJB X 20 19 08 41.0–1.3 17.9S–.30 178.8W–.20 626–15 3.6b,3.1b
NEIC X 20 19 08 41.3–1.1 17.89S 178.69W 615–11 3.9b,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=104.5km s-min=30.9km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=43.8km s-min=19.8km az=151.0.
NEIC Event type se. Error ellipse: s-maj=33.2km s-min=15.3km az=151.0.
IDC X 20 19 27 07.2–3.6 19.98S 176.19W 0 4.7,4.4b
¶12069154

IDC Error ellipse: s-maj=197.1km s-min=53.3km az=151.0.
IDC X 20 21 09 32.7–1.6 17.44S 177.69W 0 4.3,4.1
¶12069163

IDC Error ellipse: s-maj=73.4km s-min=23.4km az=153.0.
IDC X 21 09 49 25.8–31 19.69S 179.42W 0 4.0,3.9b
¶12070726

IDC Error ellipse: s-maj=587.1km s-min=146.7km az=86.0.
ISC X 21 13 59 43.6–.76 16.1S–.20 176.2W–.10 353–10 3.5b 21 5-85
ISCJB X 21 13 59 42.9–.76 16.1S–.20 176.3W–.10 361–10 3.5b **¶12070736**
NEIC X 21 13 59 43.4–.75 16.05S 176.21W 352–8 4.4b
IDC X 21 13 59 43.5–1.4 16.20S 176.11W 355–26 3.4,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.7km s-min=11.6km az=151.1.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=9.5km az=150.0.
IDC Error ellipse: s-maj=101.2km s-min=16.3km az=146.0.
ISC X 21 16 13 44.4–1.5 17.9S–.20 178.1W–.20 624–14 3.4b 15 4-86
ISCJB X 21 16 13 44.0–1.5 17.9S–.20 178.2W–.20 633–15 3.4b **¶12070741**
NEIC X 21 16 13 44.4–1.1 17.88S 178.14W 623–10 3.4b
IDC X 21 16 13 44.5–9.9 17.80S 178.19W 620–99 3.1,2.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.6km s-min=29.6km az=141.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=20.7km az=68.0.
IDC Error ellipse: s-maj=117.7km s-min=44.7km az=131.0.
IDC X 22 04 29 26.6–10 20.61S 178.58W 567–101 3.0,2.9
¶12070776

IDC Error ellipse: s-maj=127.2km s-min=47.1km az=134.0.
IDC X 22 06 56 41.6–34 20.31S 178.69W 0 4.1,3.9b
¶12070782

IDC Error ellipse: s-maj=641.5km s-min=148.4km az=89.0.
NEIC X 22 18 43 25.8–5.7 21.37S 178.97W 300–51 3.8b
IDC X 22 18 43 03.3–33 21.75S 179.75W 0 4.3,4.2b **¶12070820**
NEIC Event type se. Error ellipse: s-maj=188.3km s-min=24.3km az=65.0.
IDC Error ellipse: s-maj=611.7km s-min=134.6km az=88.0.
ISC X 22 19 40 42.2–1.6 20.2S–.60 178.8W–.40 600 3.7b 21 33-150
ISCJB X 22 19 40 41.1–1.6 20.2S–.60 178.8W–.40 600 3.7b **¶12070826**
IDC X 22 19 40 41.6–5.2 20.30S 178.69W 594–56 3.5,3.3
NEIC X 22 19 40 42.8–3.7 20.29S 178.75W 610–41 4.0b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=87.9km s-min=15.0km az=151.7.
IDC Error ellipse: s-maj=85.9km s-min=24.6km az=152.0.
NEIC Event type se. Error ellipse: s-maj=64.6km s-min=20.3km az=152.0.
IDC X 22 21 30 44.3–64 20.72S 177.82W 0 4.2,4.0
¶12070840

IDC Error ellipse: s-maj=1168.0km s-min=176.7km az=83.0.
IDC X 23 16 04 20.9–7.5 17.63S 177.09W 0 4.0,3.7b
¶12070910

IDC Error ellipse: s-maj=330.7km s-min=34.7km az=142.0.
IDC X 23 20 43 12.0–68 20.81S 177.67W 0 4.0,3.8b
¶12070932

IDC Error ellipse: s-maj=1253.0km s-min=172.1km az=84.0.
ISC X 23 23 36 09.6–3.3 18.01S–.08 176.66W–.04 33–23 4.8b,4.4s 382 5-175
IDC X 23 23 36 03.7–.78 18.13S 176.56W 0 4.9,4.7 **¶11362189**
ISCJB X 23 23 36 08.1–3.5 18.05S–.08 176.69W–.04 33–24 4.8b,4.4s
GCMT X 23 23 36 09.7–.20 18.18S 176.36W 14–1 5.1W,4.4s
MOS X 23 23 36 09.1–1.3 17.94S 176.76W 33 5.1b,4.4s
NEIC X 23 23 36 11.8–1.1 18.02S 176.74W 52–10 4.8b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=18.1km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=6.2km az=170.2.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s41,c55; s93,c139; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.56±.15 $M_{\theta\theta}$-5.02±.14; $M_{\phi\phi}$5.58±.16; $M_{r\theta}$-0.04±.27; $M_{\theta\phi}$-0.34±.12; $M_{\phi r}$1.32±.29; Best double couple: NP1:ϕ_s313.00000°,δ82.00000°,λ172.00000°. NP2:ϕ_s44.00000°,δ82.00000°,λ8.00000°. Principal axes: T 5.8600,Plg12.0000° ,Azm268.0000°; N -0.8300,Plg78.0000°,Azm88.0000°; P -5.0300,Plg0.0000°,Azm178.0000° M_o5.50000×10^{16}
MOS Error ellipse: s-maj=12.2km s-min=9.6km az=167.3.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.2km az=158.0.
ISC X 24 00 58 28.0–1.3 18.34S–.06 176.63W–.05 69–11 4.6b 168 5-175
IDC X 24 00 58 17.8–.56 18.32S 176.42W 0 4.7,4.6 **¶11362348**
MOS X 24 00 58 22.8–1.2 18.17S 176.65W 33 5.1b,4.6
GCMT X 24 00 58 22.9–.30 18.17S 176.33W 12 4.9W,4.6
NEIC X 24 00 58 24.1–.21 18.21S 176.66W 35 4.9b,4.6
ISCJB X 24 00 58 25.8–1.6 18.37S–.06 176.64W–.05 63–13 4.8b,4.6
BJI X 24 00 58 27.2 18.30S 176.70W 65 5.3b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=15.4km az=140.0.
MOS Error ellipse: s-maj=11.0km s-min=9.0km az=136.7.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s15,c18; s72,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.25±.11 $M_{\theta\theta}$-2.79±.09; $M_{\phi\phi}$3.04±.08; $M_{r\theta}$-0.12±.30; $M_{\theta\phi}$-0.32±.09; $M_{\phi r}$0.66±.28; Best double couple: NP1:ϕ_s42.00000°,δ81.00000°,λ6.00000°. NP2:ϕ_s311.00000°,δ84.00000°,λ171.00000°. Principal axes: T 3.1900,Plg11.0000° ,Azm267.0000°; N -0.3800,Plg79.0000°,Azm97.0000°; P -2.8100,Plg2.0000°,Azm357.0000° M_o3.00000×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.4km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.5km az=167.5.
ISC X 24 03 29 40.5–1.2 18.7S–.10 177.9W–.10 569–13 3.6b 29 4-90
ISCJB X 24 03 29 39.6–1.2 18.7S–.10 177.9W–.10 572–13 3.6b **¶12070955**
NEIC X 24 03 29 40.4–1.3 18.70S 177.92W 567–15 3.8b
IDC X 24 03 29 43.4–2.9 18.88S 177.90W 607–40 3.3,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=16.5km az=143.5.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=17.7km az=118.0.
IDC Error ellipse: s-maj=33.3km s-min=13.4km az=154.0.
ISC X 24 07 49 53.9–1.5 21.6S–.10 178.7W–.10 485–19 3.6b 26 5-147
ISCJB X 24 07 49 53.0–1.7 21.5S–.10 178.8W–.10 486–21 3.6b **¶12070965**
IDC X 24 07 49 54.8–2.4 21.58S 178.66W 501–30 3.5,3.3
NEIC X 24 07 49 55.8–1.2 21.65S 178.61W 517–13 4.0b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.8km s-min=13.5km az=141.1.
IDC Error ellipse: s-maj=31.7km s-min=13.6km az=149.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=13.5km az=141.0.
IDC X 25 04 42 19.2–8.1 17.50S 177.18W 0 3.8,3.6
¶12071057
IDC Error ellipse: s-maj=356.7km s-min=36.2km az=142.0.
ISC X 25 20 25 38.8–1.2 17.9S–.20 178.3W–.20 632–13 3.7b 24 3-87
IDC X 25 20 25 37.5–3.5 18.15S 178.15W 624–50 3.5,3.2 **¶12071098**
ISCJB X 25 20 25 38.1–1.3 17.9S–.20 178.4W–.20 641–14 3.7b,3.2
NEIC X 25 20 25 39.1–1.0 17.81S 178.39W 636–11 3.9b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=87.0km s-min=14.6km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=40.0km s-min=15.8km az=150.4.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=13.2km az=150.0.
IDC X 25 21 23 14.6–51 18.32S 179.41W 0 3.9,3.7b
¶12071102
IDC Error ellipse: s-maj=918.8km s-min=157.7km az=79.0.
ISC X 26 09 43 16.9–.75 21.02S–.05 178.89W–.05 602–9 4.5b 166 4-172
ISCJB X 26 09 43 15.9–.71 21.04S–.05 178.91W–.05 605–9 4.5b **¶11362754**
IDC X 26 09 43 15.3–1.0 20.78S 178.89W 582–10 4.0,4.0
NEIC X 26 09 43 18.3–.62 20.74S 179.01W 612–7 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.1km az=136.1.
IDC Error ellipse: s-maj=11.8km s-min=8.1km az=153.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.8km az=152.0.
IDC X 26 15 09 49.5–1.6 16.12S 178.39W 0 4.0,3.8
¶12071164
IDC Error ellipse: s-maj=108.7km s-min=21.7km az=149.0.
ISC X 26 23 25 53.4–1.3 19.6S–.20 177.6W–.10 520–26 4.2b 31 8-149
ISCJB X 26 23 25 52.9–1.3 19.6S–.20 177.7W–.10 526–24 4.2b **¶12071204**
IDC X 26 23 25 52.1–1.8 19.71S 177.71W 485–23 3.8,3.7b
NEIC X 26 23 25 53.5–.84 19.67S 177.73W 506–12 4.3b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=14.6km az=174.9.
IDC Error ellipse: s-maj=21.5km s-min=15.9km az=145.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.1km az=165.0.
IDC X 27 02 24 38.9–15 17.20S 178.20W 470–156 3.3,3.1b
¶12071212
IDC Error ellipse: s-maj=140.7km s-min=57.1km az=134.0.
ISC X 27 02 47 47.9–1.3 17.3S–.60 178.6W–.40 574–24 3.9b 17 7-147
ISCJB X 27 02 47 47.0–1.3 17.3S–.60 178.7W–.40 577–26 3.9b **¶12071213**
NEIC X 27 02 47 47.8–.85 17.35S 178.58W 578–15 3.5b
IDC X 27 02 47 47.8–2.1 17.30S 178.62W 573–30 3.5,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=112.4km s-min=15.4km az=151.2.
NEIC Event type se. Error ellipse: s-maj=70.0km s-min=9.7km az=151.0.
IDC Error ellipse: s-maj=82.5km s-min=14.6km az=150.0.
ISC X 27 07 04 19.8–1.9 17.4S–.20 178.5W–.20 369–33 3.6b 15 7-85
ISCJB X 27 07 04 19.0–1.9 17.4S–.20 178.6W–.20 370–33 3.6b **¶12071225**
NEIC X 27 07 04 19.9–1.6 17.38S 178.54W 371–25 3.4b
IDC X 27 07 04 19.8–2.7 17.42S 178.51W 370–41 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=42.0km s-min=22.0km az=39.8.
NEIC Event type se. Error ellipse: s-maj=31.1km s-min=17.8km az=130.0.
IDC Error ellipse: s-maj=40.6km s-min=23.4km az=134.0.
ISC X 27 16 18 05.3–1.1 17.6S–.10 178.51W–.10 553–11 4.2b 52 3-144
IDC X 27 16 18 02.8–1.3 17.62S 178.38W 530–17 3.8,3.7 **¶12071248**
ISCJB X 27 16 18 04.4–1.1 17.6S–.10 178.54W–.10 556–12 4.2b,3.7
NEIC X 27 16 18 04.7–1.1 17.61S 178.46W 548–12 4.6b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=10.0km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=13.2km az=155.3.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=14.1km az=146.0.
IDC X 27 16 23 30.8–30 16.22S 176.20W 0 4.5,4.3b
¶12071250
IDC Error ellipse: s-maj=580.5km s-min=136.6km az=84.0.
ISC X 27 23 23 34.3–3.0 16.90S–.06 176.77E–.06 4–17 4.8b,4.4s 82 1-174
IDC X 27 23 23 32.5–.62 16.49S 176.51E 0 4.5,4.5 **¶11370130**
ISCJB X 27 23 23 33.1–2.5 16.88S–.06 176.70E–.05 7–15 4.8b,4.4s
NEIC X 27 23 23 34.4–.39 16.79S 176.60E 10 5.0b,5.0s
BJI X 27 23 23 35.1 16.90S 176.80E 15 5.2s,5.2b
GCMT X 27 23 23 37.8–.20 16.48S 176.80E 19–1 5.3W,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=16.8km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=7.7km az=33.1.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=11.8km az=134.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c89; s85,c153; Moment tensor: Scale 10^{16}Nm; M_{rr}0.13±.20 $M_{\theta\theta}$-1.07±.19; $M_{\phi\phi}$0.94±.17; $M_{r\theta}$-1.61±.37; $M_{\theta\phi}$9.33±.17; $M_{\phi r}$-1.37±.35; Best double couple: NP1:ϕ_s176.00000°,δ80.00000°,λ172.00000°. NP2:ϕ_s268.00000°,δ83.00000°,λ10.00000°. Principal axes: T 9.7700,Plg12.0000° ,Azm132.0000°; N -0.3200,Plg78.0000°,Azm304.0000°; P -9.4600,Plg2.0000°,Azm42.0000° M_o9.60000×10^{16}

IDC X 28 06 40 04.4–55 19.62S 178.09W 0 4.2,4.0
¶12071309
IDC Error ellipse: s-maj=1012.0km s-min=151.2km az=81.0.
IDC X 28 07 36 31.0–59 19.28S 178.90W 0 4.1,3.9
¶12071315
IDC Error ellipse: s-maj=1074.0km s-min=159.7km az=81.0.
ISC X 28 07 59 54.9–.98 16.4S–.10 176.2W–.10 371–11 3.7b 22 5-145
IDC X 28 07 59 53.7–2.0 16.35S 176.26W 358–23 3.7,3.5b **¶12071318**
ISCJB X 28 07 59 54.0–.98 16.3S–.10 176.2W–.10 376–11 3.7b,3.5b
NEIC X 28 07 59 54.8–.95 16.34S 176.18W 372–10 4.3b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=13.8km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=27.8km s-min=13.5km az=142.3.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=11.9km az=143.0.
ISC X 28 13 56 05.9–1.5 15.6S–.20 177.8W–.20 448–17 3.6b 26 4-146
IDC X 28 13 56 01.6–2.2 15.89S 177.51W 408–26 3.7,3.4b **¶12071334**
ISCJB X 28 13 56 05.2–1.5 15.6S–.20 177.9W–.20 454–16 3.6b,3.4b
NEIC X 28 13 56 05.3–1.6 15.76S 177.68W 447–18 3.6b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=12.3km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=30.8km s-min=16.9km az=144.0.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=16.9km az=138.0.
ISC X 28 15 23 45.7–.83 16.5S–.10 179.19W–.09 477–10 4.0b 38 3-93
ISCJB X 28 15 23 43.7–1.1 16.5S–.10 179.23W–.09 464–14 4.0b **¶12071341**
IDC X 28 15 23 44.3–1.8 16.57S 179.21W 454–21 3.7,3.6
NEIC X 28 15 23 45.9–.78 16.43S 179.24W 477–10 4.4b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=12.5km az=157.1.
IDC Error ellipse: s-maj=20.7km s-min=13.6km az=150.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.8km az=150.0.
IDC X 29 05 16 52.3–7.1 19.45S 178.36W 0 4.0,3.7b
¶12071431
IDC Error ellipse: s-maj=308.3km s-min=40.0km az=144.0.
IDC X 30 12 40 53.2–7.3 17.83S 177.11W 0 3.7,3.5
¶12071625
IDC Error ellipse: s-maj=318.7km s-min=38.0km az=142.0.
ISC X 30 20 52 51.6–.88 19.3S–.10 177.4W–.10 588–11 4.2b 33 5-152
ISCJB X 30 20 52 50.9–.88 19.2S–.10 177.4W–.10 593–12 4.2b **¶12071665**
NEIC X 30 20 52 51.5–.94 19.25S 177.45W 579–11 4.5b
IDC X 30 20 52 51.6–1.7 19.20S 177.52W 573–23 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=13.6km az=158.4.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=12.7km az=149.0.
IDC Error ellipse: s-maj=29.1km s-min=13.1km az=146.0.
ISC X 30 20 53 03.1–.98 19.2S–.20 177.4W–.10 586–13 4.2b 25 5-87
ISCJB X 30 20 53 02.2–.98 19.2S–.20 177.4W–.10 594–13 4.2b **¶12071667**
NEIC X 30 20 53 03.0–.88 19.23S 177.44W 582–11 4.4b
IDC X 30 20 53 02.9–1.8 19.17S 177.53W 573–26 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=16.9km az=148.6.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=13.1km az=150.0.
IDC Error ellipse: s-maj=34.5km s-min=16.2km az=144.0.
ISC X 30 22 36 11.4–.67 17.4S–.10 176.64W–.09 35 4.2b,3.8s 19 5-148
IDC X 30 22 36 06.7–1.9 17.39S 176.61W 0 4.4,4.1 **¶11451560**
ISCJB X 30 22 36 09.3–.65 17.5S–.10 176.65W–.09 33 4.2b,3.8s
NEIC X 30 22 36 11.6–.43 17.43S 176.66W 35 3.9b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=81.6km s-min=29.3km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=11.9km az=179.9.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.7km az=173.0.
ISC X 30 22 45 24.4–.64 20.88S–.07 178.89W–.08 603–7 4.1b 69 4-172
SZGRF X 30 22 44 17.0 21.98S 177.29W 33 4.1b **¶12071681**
ISCJB X 30 22 45 23.7–.63 20.92S–.06 178.92W–.08 613–7 4.1b
NEIC X 30 22 45 23.5–.56 20.80S 178.81W 595–6 4.2b
IDC X 30 22 45 23.1–1.9 20.77S 178.83W 584–21 3.8,3.7
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=9.6km az=13.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.4km az=126.0.
IDC Error ellipse: s-maj=18.3km s-min=11.0km az=144.0.
IDC X 31 04 26 09.2–20 20.00S 177.20W 476–227 3.4,3.3
¶12071708
IDC Error ellipse: s-maj=234.6km s-min=62.2km az=54.0.
ISC X 31 11 24 55.6–.87 17.1S–.40 178.5W–.20 538–13 3.8b 30 3-147
IDC X 31 11 24 54.2–1.5 17.26S 178.51W 519–19 3.5,3.4 **¶12071726**
NEIC X 31 11 24 56.4–1.1 17.24S 178.44W 552–11 4.4b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=61.7km s-min=11.3km az=153.0.
NEIC Event type se. Error ellipse: s-maj=67.5km s-min=12.1km az=154.0.
IDC X 31 11 37 48.2–62 20.28S 176.62W 0 3.9,3.7b
¶12071728
IDC Error ellipse: s-maj=1151.0km s-min=159.6km az=83.0.
IDC X 31 20 44 18.8–30 20.59S 176.46W 0 4.0,3.9
¶12071771
IDC Error ellipse: s-maj=584.3km s-min=160.5km az=90.0.
IDC XI 01 06 22 59.2–51 18.33S 176.94W 0 4.1,3.9b
¶12071830
IDC Error ellipse: s-maj=938.0km s-min=154.9km az=80.0.
IDC XI 01 08 16 48.8–29 19.64S 177.62W 0 4.1,3.9b
¶12071836
IDC Error ellipse: s-maj=560.4km s-min=145.3km az=87.0.
ISC XI 01 18 34 39.0–1.0 20.29S–.08 177.92W–.08 498–13 4.1b 81 5-173
ISCJB XI 01 18 34 37.7–1.1 20.31S–.08 177.95W–.07 497–13 4.1b **¶12071885**
NEIC XI 01 18 34 40.3–.69 20.39S 177.83W 523–7 4.3b
IDC XI 01 18 34 43.5–2.6 20.41S 177.97W 550–29 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=8.5km az=140.3.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.6km az=141.0.
IDC Error ellipse: s-maj=15.7km s-min=11.2km az=143.0.
ISC XI 02 04 30 11.7–1.9 17.8S–.50 177.9W–.30 642–15 3.5b 16 4-150
ISCJB XI 02 04 30 10.8–1.9 17.9S–.50 177.9W–.30 651–16 3.5b **¶12071948**
IDC XI 02 04 30 12.0–6.7 17.48S 178.12W 642–91 3.2,3.0
NEIC XI 02 04 30 11.4–1.5 17.85S 177.86W 643–11 4.1b,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=88.6km s-min=20.9km az=156.5.
IDC Error ellipse: s-maj=107.4km s-min=29.1km az=159.0.
NEIC Event type se. Error ellipse: s-maj=67.5km s-min=15.9km az=156.0.
ISC XI 02 07 16 18.8–.77 15.1S–.40 176.5W–.20 390–20 4.1b 14 5-83
IDC XI 02 07 16 17.0–3.5 16.90S 175.52W 412–39 3.7,3.5 **¶12071961**
ISCJB XI 02 07 16 18.1–.80 15.0S–.40 176.5W–.20 397–21 4.1b,3.5
NEIC XI 02 07 16 18.3–.86 15.20S 176.37W 392–17 4.0b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=262.6km s-min=23.2km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=66.6km s-min=14.7km az=149.3.
NEIC Event type se. Error ellipse: s-maj=57.4km s-min=13.2km az=146.0.
ISC XI 02 08 09 32.3–1.1 20.8S–.10 178.5W–.10 535–16 3.7b 38 9-150
ISCJB XI 02 08 09 32.0–1.1 20.8S–.10 178.5W–.10 545–17 3.7b **¶12071967**
IDC XI 02 08 09 33.8–2.1 20.81S 178.49W 559–26 3.5,3.3
NEIC XI 02 08 09 33.2–1.3 20.83S 178.51W 552–17 4.7b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=11.2km az=145.1.
IDC Error ellipse: s-maj=20.4km s-min=14.5km az=149.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=13.2km az=146.0.
ISC XI 02 16 32 06.3–.87 19.2S–.10 177.5W–.10 563–14 3.5b 27 4-149
ISCJB XI 02 16 32 04.8–.98 19.2S–.10 177.6W–.10 553–17 3.5b **¶12072001**
IDC XI 02 16 32 05.3–1.5 19.21S 177.56W 550–18 3.3,3.1
NEIC XI 02 16 32 08.4–1.2 19.23S 177.66W 584–12 3.4b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=15.2km az=147.3.
IDC Error ellipse: s-maj=19.6km s-min=13.4km az=137.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=16.6km az=114.0.

ISC XI 03 02 05 40.5–1.9 19.1S–.10 176.2W–.20 222–23 4.0b 26 7-149
ISCJB XI 03 02 05 39.8–1.9 19.2S–.10 176.1W–.10 235–23 4.0b **¶12072062**
IDC XI 03 02 05 40.6–2.5 19.09S 176.13W 225–25 3.9,3.8b
NEIC XI 03 02 05 40.9–1.2 19.08S 176.12W 230–14 4.5b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=16.5km az=10.1.
IDC Error ellipse: s-maj=22.8km s-min=14.6km az=130.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.4km az=133.0.
ISC XI 03 02 37 02.1–1.4 20.8S–.10 178.3W–.10 534–18 3.7b 36 9-172
ISCJB XI 03 02 37 00.4–1.2 20.7S–.10 178.3W–.10 525–16 3.7b **¶12072063**
NEIC XI 03 02 37 02.8–1.4 20.79S 178.19W 552–15 4.4b
IDC XI 03 02 37 03.5–1.9 20.77S 178.23W 557–21 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=11.3km az=135.6.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=13.4km az=140.0.
IDC Error ellipse: s-maj=19.4km s-min=12.5km az=143.0.
IDC XI 03 08 06 23.8–55 18.80S 179.39W 0 4.6,4.4b
¶12072090
IDC Error ellipse: s-maj=990.6km s-min=148.1km az=80.0.
IDC XI 03 11 53 14.0–1.9 17.45S 177.46W 0 4.2,3.9b
¶12072116
IDC Error ellipse: s-maj=108.4km s-min=25.9km az=148.0.
ISC XI 03 13 10 42.8–1.1 20.8S–.20 178.6W–.10 555–13 3.7b 32 4-172
ISCJB XI 03 13 10 42.9–1.1 21.0S–.20 178.6W–.10 577–13 3.7b **¶12072127**
IDC XI 03 13 10 43.5–1.8 20.83S 178.74W 566–21 3.4,3.3
NEIC XI 03 13 10 44.2–1.1 20.94S 178.58W 582–10 4.0b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.3km s-min=10.0km az=147.3.
IDC Error ellipse: s-maj=28.3km s-min=12.5km az=147.0.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=10.6km az=147.0.
ISC XI 03 16 53 43.5–.00 15.7S–.20 177.4W–.10 411–13 3.5b 23 5-144
ISCJB XI 03 16 53 42.6–.95 15.7S–.20 177.4W–.10 417–12 3.5b **¶12072141**
IDC XI 03 16 53 42.5–2.1 15.59S 177.50W 399–26 3.5,3.3
NEIC XI 03 16 53 43.4–1.1 15.65S 177.39W 414–13 3.2b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.8km s-min=13.4km az=153.0.
IDC Error ellipse: s-maj=33.8km s-min=14.0km az=148.0.
NEIC Event type se. Error ellipse: s-maj=34.7km s-min=12.9km az=154.0.
ISC XI 03 19 36 21.9–.11 16.36S–.03 176.36W–.03 372 5.1b 685 6-176
SZGRF XI 03 19 35 38.3 16.07S 175.04W 33 5.1b **¶11391131**
BGS XI 03 19 36 14.5–4.8 16.30S 176.33W 371–0 5.1b
ISCJB XI 03 19 36 20.4–.12 16.36S–.03 176.38W–.03 370 5.1b
DJA XI 03 19 36 20 16.26S 176.28W 353 5.2b
BJI XI 03 19 36 20.6 15.86S 175.87W 374 5.6b,5.4b
NEIC XI 03 19 36 21.4–.12 16.30S 176.33W 370 5.1b,5.4b
MOS XI 03 19 36 22.9–1.3 16.09S 176.44W 383 5.2b,5.4b
IDC XI 03 19 36 22.2–.66 16.27S 176.44W 373–6 4.8,4.8
GCMT XI 03 19 36 26.6–.40 15.98S 176.25W 390 5.6W,4.8
ISC Event type se.
SZGRF Tonga Islands.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.6km az=153.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=153.0.
MOS Error ellipse: s-maj=8.7km s-min=8.0km az=59.7.
IDC Error ellipse: s-maj=12.1km s-min=8.0km az=145.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s42,c56; Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.10 $M_{\theta\theta}$-0.69±.19; $M_{\phi\phi}$-0.55±.16; $M_{r\theta}$0.81±.13; $M_{\theta\phi}$2.58±.13; $M_{\phi r}$0.01±.15; Best double couple: NP1:ϕ_s356.00000°,δ64.00000°,λ163.00000°. NP2: ϕ_s94.00000°,δ75.00000°,λ27.00000°. Principal axes: T 2.2900,Plg30.0000°,Azm318.0000° ; N 0.9900,Plg59.0000°,Azm121.0000°; P -3.2800,Plg7.0000°,Azm223.0000° $M_0$2.80000×10^{17}
ISC XI 03 22 24 13.2–1.0 17.91S–.09 178.51W–.08 543–11 4.3b 58 3-148
ISCJB XI 03 22 24 11.5–.80 17.90S–.08 178.56W–.08 535–8 4.3b **¶12072179**
IDC XI 03 22 24 11.1–3.4 18.02S 178.45W 520–38 3.9,3.7b
NEIC XI 03 22 24 12.9–.69 17.91S 178.54W 541–7 4.5b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=11.0km az=143.5.
IDC Error ellipse: s-maj=18.9km s-min=12.5km az=114.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.3km az=160.0.
IDC XI 04 08 08 15.7–13 17.18S 179.02W 544–164 3.3,3.1
¶12072224
IDC Error ellipse: s-maj=101.2km s-min=41.0km az=164.0.
ISC XI 04 09 24 44.9–1.1 20.82S–.09 178.84W–.10 614–12 4.3b 57 4-172
ISCJB XI 04 09 24 44.0–1.1 20.85S–.09 178.87W–.10 621–13 4.3b **¶12072230**
IDC XI 04 09 24 43.6–1.5 20.75S 178.77W 599–17 3.9,3.8b
NEIC XI 04 09 24 44.9–1.0 20.78S 178.83W 620–12 4.3b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=12.8km az=23.6.
IDC Error ellipse: s-maj=13.2km s-min=10.3km az=79.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=12.3km az=125.0.
ISC XI 04 11 35 50.4–.84 21.58S–.09 179.04W–.09 587–9 4.2b 52 5-172
IDC XI 04 11 35 47.3–2.4 21.49S 178.89W 552–26 3.8,3.7 **¶12072239**
ISCJB XI 04 11 35 49.5–.79 21.67S–.08 179.04W–.09 593–9 4.2b,3.7
NEIC XI 04 11 35 49.4–.96 21.56S 178.98W 581–10 4.4b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=14.4km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=9.9km az=40.6.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.9km az=130.0.
ISC XI 04 18 14 44.5–1.4 19.3S–.10 177.5W–.20 579–16 3.4b 22 4-149
IDC XI 04 18 14 42.3–5.3 19.17S 177.57W 551–57 3.2,3.1 **¶12072275**
ISCJB XI 04 18 14 43.6–1.4 19.3S–.10 177.5W–.20 584–16 3.4b,3.1
NEIC XI 04 18 14 44.6–1.3 19.18S 177.59W 581–13 3.6b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=22.4km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=25.5km s-min=19.2km az=15.6.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=16.3km az=103.0.
ISC XI 05 06 51 31.0–1.5 20.9S–.10 177.9W–.10 499–16 3.8b 30 5-147
IDC XI 05 06 51 27.1–5.9 20.57S 177.93W 444–68 3.6,3.5 **¶12072349**
ISCJB XI 05 06 51 30.9–1.5 20.8S–.10 178.0W–.10 507–15 3.8b,3.5
NEIC XI 05 06 51 31.4–1.3 20.76S 177.93W 503–12 4.2b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=21.0km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=15.8km az=34.7.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=12.3km az=138.0.
ISC XI 05 07 10 30.2–1.3 19.9S–.10 177.6W–.10 578–14 4.1b 39 5-173
ISCJB XI 05 07 10 29.6–1.3 19.9S–.10 177.7W–.10 585–15 4.1b **¶12072353**
NEIC XI 05 07 10 30.8–1.2 19.70S 177.71W 584–12 4.2b
IDC XI 05 07 10 31.9–2.7 19.64S 177.74W 590–30 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.0km s-min=14.2km az=153.8.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=12.4km az=148.0.
IDC Error ellipse: s-maj=30.8km s-min=13.8km az=155.0.
ISC XI 05 18 56 30.5–.83 18.46S–.08 178.16W–.05 583–9 4.5b 266 4-175
ISCJB XI 05 18 56 29.8–.81 18.50S–.08 178.19W–.05 590–9 4.5b **¶11395624**
BJI XI 05 18 56 30.2 18.40S 178.10W 584 4.9b,4.5b
BGS XI 05 18 56 30.4–2.3 18.48S 178.11W 587–0 4.5b,4.5b
NEIC XI 05 18 56 30.2–.85 18.48S 178.11W 587–8 4.5b,4.5b
IDC XI 05 18 56 32.6–2.0 18.57S 178.09W 618–22 4.0,4.0
DJA XI 05 18 56 43 19.22S 179.52W 650 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=5.0km az=158.5.
BGS Error ellipse: s-maj=159.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.7km az=145.0.
IDC Error ellipse: s-maj=20.0km s-min=10.0km az=149.0.
IDC XI 06 14 10 09.0–6.7 18.92S 178.07W 0 4.0,3.7b
¶12072538
IDC Error ellipse: s-maj=293.1km s-min=36.0km az=144.0.
IDC XI 06 14 54 35.0–3.3 19.19S 179.94W 0 4.7,4.2b
¶12072540
IDC Error ellipse: s-maj=144.0km s-min=68.2km az=172.0.
ISC XI 06 17 49 39.2–1.8 15.0S–.20 178.0W–.20 401–17 3.7b 16 5-143
ISCJB XI 06 17 49 38.5–1.8 15.0S–.20 178.0W–.20 407–17 3.7b **¶12072555**
NEIC XI 06 17 49 39.0–1.4 15.03S 177.94W 403–13 4.4b
IDC XI 06 17 49 46.0–10 14.93S 178.15W 474–120 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=41.3km s-min=23.2km az=43.3.
NEIC Event type se. Error ellipse: s-maj=30.5km s-min=17.2km az=133.0.
IDC Error ellipse: s-maj=57.9km s-min=24.3km az=120.0.
IDC XI 06 19 07 16.7–2.3 17.28S 179.85W 0 4.1,3.8b
¶12072560
IDC Error ellipse: s-maj=153.7km s-min=29.6km az=150.0.
ISC XI 07 04 26 10.7–1.3 19.4S–.20 177.5W–.10 585–14 3.8b 27 5-128
ISCJB XI 07 04 26 10.0–1.3 19.4S–.20 177.5W–.10 591–14 3.8b **¶12072623**
NEIC XI 07 04 26 10.6–1.2 19.34S 177.50W 586–12 3.9b
IDC XI 07 04 26 11.3–3.3 19.39S 177.47W 592–43 3.5,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=16.7km az=151.0.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=14.7km az=147.0.
IDC Error ellipse: s-maj=36.1km s-min=14.5km az=159.0.
IDC XI 07 10 41 36.9–9.2 20.99S 178.42W 650–128 3.0,2.8
¶12072665
IDC Error ellipse: s-maj=78.0km s-min=38.9km az=7.0.
ISC XI 07 17 23 53.3–.78 19.42S–.07 177.53W–.08 588–7 4.3b 80 5-174
ISCJB XI 07 17 23 52.9–.76 19.46S–.06 177.56W–.08 596–8 4.3b **¶11396610**
NEIC XI 07 17 23 53.6–1.2 19.26S 177.58W 591–12 4.4b
BJI XI 07 17 23 54.8 18.89S 177.77W 600 5.1b,4.5b
IDC XI 07 17 23 54.7–1.9 19.45S 177.57W 604–21 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.8km az=30.9.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.4km az=139.0.
IDC Error ellipse: s-maj=15.3km s-min=10.1km az=146.0.
IDC XI 08 05 16 55.2–11 16.91S 176.90W 0 3.7,3.6
¶12072787
IDC Error ellipse: s-maj=492.7km s-min=36.5km az=142.0.
ISC XI 08 11 58 46.0–2.7 20.7S–.50 178.7W–.30 596–22 3.8b 21 4-150
IDC XI 08 11 58 43.8–7.2 20.62S 178.59W 569–90 3.5,3.3 **¶12072817**
ISCJB XI 08 11 58 45.3–2.7 20.7S–.50 178.7W–.30 603–22 3.8b,3.3
NEIC XI 08 11 58 45.7–2.1 20.74S 178.61W 596–16 4.2b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=86.4km s-min=29.8km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=82.5km s-min=17.9km az=150.5.
NEIC Event type se. Error ellipse: s-maj=60.9km s-min=13.1km az=151.0.
IDC XI 08 17 14 21.1–58 17.31S 176.04W 0 3.8,3.7b
¶12072844
IDC Error ellipse: s-maj=1076.0km s-min=186.1km az=79.0.
IDC XI 08 18 23 45.9–1.9 14.66S 176.28W 0 4.1,3.8
¶11457804
IDC Error ellipse: s-maj=124.9km s-min=22.9km az=150.0.
IDC XI 09 04 40 39.3–2.8 19.41S 178.41W 0 4.1,3.7b
¶12072922
IDC Error ellipse: s-maj=288.1km s-min=35.6km az=161.0.
ISC XI 09 11 04 46.1–1.1 17.4S–.10 178.6W–.10 562–12 4.0b 31 3-147
ISCJB XI 09 11 04 45.1–1.0 17.5S–.10 178.6W–.10 567–13 4.0b **¶12072942**
IDC XI 09 11 04 45.5–3.3 17.48S 178.56W 557–41 3.7,3.4b
NEIC XI 09 11 04 46.1–1.1 17.38S 178.61W 562–13 4.2b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=12.9km az=145.3.
IDC Error ellipse: s-maj=31.1km s-min=12.6km az=153.0.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=13.1km az=135.0.
ISC XI 09 13 58 20.4–1.1 20.6S–.10 178.12W–.10 534–12 3.9b 45 5-173
ISCJB XI 09 13 58 19.6–1.1 20.6S–.10 178.16W–.10 537–12 3.9b **¶12072957**
NEIC XI 09 13 58 20.4–1.2 20.54S 178.13W 536–11 4.1b
IDC XI 09 13 58 20.1–2.0 20.49S 178.15W 528–21 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=12.2km az=148.8.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=11.7km az=137.0.
IDC Error ellipse: s-maj=19.0km s-min=10.4km az=155.0.
IDC XI 09 21 30 02.4–7.0 17.93S 176.13W 0 4.4,4.1
¶12072997
IDC Error ellipse: s-maj=305.3km s-min=63.8km az=143.0.
IDC XI 10 07 42 36.9–50 16.94S 178.50W 0 4.3,4.1b
¶12073048
IDC Error ellipse: s-maj=926.8km s-min=146.6km az=78.0.
ISC XI 10 07 51 51.1–.81 17.93S–.07 178.70W–.04 598–9 4.7b 359 3-175
NEIC XI 10 07 51 49.8–.77 17.92S 178.57W 589–8 4.8b **¶11415167**
ISCJB XI 10 07 51 50.9–.76 17.96S–.07 178.74W–.04 611–9 4.7b
IDC XI 10 07 51 50.9–1.9 18.13S 178.59W 605–22 4.1,4.0
BJI XI 10 07 51 53.3 17.18S 179.16W 595 4.9b,4.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.6km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=4.6km az=156.1.
IDC Error ellipse: s-maj=12.5km s-min=9.7km az=125.0.
IDC XI 10 11 43 47.6–1.2 16.24S 178.45W 0 4.2,4.0b
¶12073063
IDC Error ellipse: s-maj=45.5km s-min=23.1km az=135.0.
IDC XI 10 16 44 34.8–54 18.87S 176.56W 0 4.2,4.0b
¶12073082
IDC Error ellipse: s-maj=1004.0km s-min=162.8km az=81.0.
IDC XI 10 19 12 35.8–22 15.83S 176.41W 298–213 3.6,3.4b
¶12073092
IDC Error ellipse: s-maj=132.4km s-min=53.3km az=131.0.
IDC XI 11 04 36 15.1–6.8 21.30S 178.46W 487–79 3.2,3.0
¶12073138
IDC Error ellipse: s-maj=61.3km s-min=29.1km az=177.0.
IDC XI 11 21 21 37.0–22 17.59S 176.19W 0 4.3,4.1b
¶12073229
IDC Error ellipse: s-maj=425.8km s-min=50.2km az=61.0.
IDC XI 12 01 43 18.2–14 17.34S 178.29W 498–146 3.5,3.3b
¶12073254
IDC Error ellipse: s-maj=135.8km s-min=57.3km az=133.0.
ISC XI 13 02 07 16.6–.89 21.0S–.10 179.0W–.10 624–9 4.0b 29 4-150
ISCJB XI 13 02 07 16.0–.85 21.0S–.10 179.0W–.10 635–10 4.0b **¶12073366**
NEIC XI 13 02 07 16.5–.94 20.86S 179.00W 625–11 4.5b
IDC XI 13 02 07 16.2–1.8 20.99S 179.03W 618–23 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=13.1km az=150.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=13.0km az=145.0.
IDC Error ellipse: s-maj=29.0km s-min=11.9km az=156.0.
ISC XI 13 06 09 10.9–2.6 18.7S–.70 177.1W–.30 603–22 3.8b 18 5-149
IDC XI 13 06 09 11.5–12 19.33S 177.54W 548–125 3.3,3.2b **¶12073385**
NEIC XI 13 06 09 14.4–1.6 19.32S 177.62W 585–13 3.9b,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=83.4km s-min=35.1km az=52.0.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=26.3km az=173.0.
ISC XI 13 10 31 37.4–.78 21.91S–.04 178.15W–.03 395–8 4.9b 633 5-171
ISCJB XI 13 10 31 34.9–1.1 21.83S–.04 178.20W–.03 380–11 4.9b **¶11451609**
MOS XI 13 10 31 37.9–1.0 21.78S 178.22W 411 5.0b
NEIC XI 13 10 31 37.3–.19 21.80S 178.15W 393 5.0b
IDC XI 13 10 31 38.0–.46 21.76S 178.14W 403–4 4.5,4.5
BGS XI 13 10 31 38.0–4.6 21.80S 178.15W 393–0 5.0b,4.5
BJI XI 13 10 31 38.0 21.11S 178.58W 380 5.0b,4.7b
GCMT XI 13 10 31 39.8–.50 21.94S 177.86W 403–2 5.3W,4.7b
DJA XI 13 10 31 53 21.36S 176.65E 233 5.3b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=157.1.
MOS Error ellipse: s-maj=10.9km s-min=9.2km az=50.1.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.0km az=152.0.
IDC Error ellipse: s-maj=11.1km s-min=8.8km az=139.0.
BGS Error ellipse: s-maj=450.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s57,c73; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.61±.37 $M_{\theta\theta}$1.40±.64; $M_{\phi\phi}$6.21±.64; $M_{r\theta}$-4.82±.69; $M_{\theta\phi}$3.73±.52; $M_{\phi r}$-3.22±.71; Best double couple: NP1:ϕ_s193.00000°,δ30.00000°,λ-118.00000°. NP2: ϕ_s44.00000°,δ63.00000°,λ-75.00000°. Principal axes: T 9.8200,Plg17.0000°,Azm123.0000°

; N 0.0300,Plg14.0000°,Azm217.0000°; P -9.8500,Plg68.0000°,Azm344.0000° $M_0$9.80000×10^{16}

IDC	**XI**	**14 02 33 18.8–9.4**	**18.97S**	**177.80W**	**539–104**	**3.1,2.9**			
									¶12073480
IDC		Error ellipse: s-maj=130.0km s-min=42.6km az=161.0.							
ISC	**XI**	**15 12 31 15.3–1.4**	**17.6S–.30**	**178.8W–.20**	**596–14**	**3.5b**	**20**	**3-144**	
IDC	XI	15 12 31 13.1–6.8	17.61S	178.72W	570–80	3.4,3.2			¶12073625
ISCJB	XI	15 12 31 14.7–1.5	17.6S–.30	178.9W–.20	605–15	3.5b,3.2			
NEIC	XI	15 12 31 15.1–1.1	17.62S	178.76W	595–10	4.0b,3.2			
ISC		Event type se.							
IDC		Error ellipse: s-maj=47.5km s-min=26.2km az=148.0.							
ISCJB		Event type se. Error ellipse: s-maj=58.7km s-min=18.1km az=149.1.							
NEIC		Event type se. Error ellipse: s-maj=42.5km s-min=12.6km az=149.0.							
IDC	**XI**	**15 17 42 24.2–4.1**	**20.67S**	**177.24W**	**0**	**3.7,3.5**			
									¶12073647
IDC		Error ellipse: s-maj=102.3km s-min=42.5km az=38.0.							
IDC	**XI**	**16 04 13 00.4–2.2**	**20.29S**	**177.51W**	**565–30**	**3.3,3.2**			
									¶12073702
IDC		Error ellipse: s-maj=69.0km s-min=17.6km az=142.0.							
ISC	**XI**	**16 04 29 51.5–1.4**	**17.2S–.50**	**179.0W–.30**	**535–21**	**3.7b**	**20**	**8-150**	
ISCJB	XI	16 04 29 50.5–1.4	17.1S–.50	179.0W–.30	534–23	3.7b			¶12073704
IDC	XI	16 04 29 51.4–2.1	17.24S	178.90W	535–29	3.6,3.4			
NEIC	XI	16 04 29 51.5–.86	17.18S	178.95W	537–13	3.8b,3.4			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=93.9km s-min=14.2km az=154.4.							
IDC		Error ellipse: s-maj=72.7km s-min=12.7km az=152.0.							
NEIC		Event type se. Error ellipse: s-maj=56.3km s-min=8.5km az=154.0.							
IDC	**XI**	**16 07 41 21.8–7.9**	**19.86S**	**177.83W**	**0**	**3.7,3.6**			
									¶12073717
IDC		Error ellipse: s-maj=344.8km s-min=38.2km az=145.0.							
ISC	**XI**	**17 16 11 11.1–1.0**	**18.0S–.20**	**176.2W–.10**	**320–13**	**3.6b**	**17**	**5-148**	
IDC	XI	17 16 11 07.6–3.5	17.59S	177.06W	290–33	3.6,3.4			¶12073874
ISCJB	XI	17 16 11 10.9–.97	17.9S–.20	176.3W–.10	330–12	3.6b,3.4			
NEIC	XI	17 16 11 17.1–2.0	17.56S	177.04W	383–21	4.0b,3.4			
ISC		Event type se.							
IDC		Error ellipse: s-maj=54.1km s-min=18.3km az=109.0.							
ISCJB		Event type se. Error ellipse: s-maj=32.1km s-min=13.0km az=142.3.							
NEIC		Event type se. Error ellipse: s-maj=41.6km s-min=27.1km az=107.0.							
ISC	**XI**	**17 20 01 24.3–1.2**	**20.55S–.05**	**176.38W–.07**	**256–12**	**4.4b**	**110**	**6-172**	
MOS	XI	17 20 01 20.3–2.5	20.27S	176.75W	200	4.9b			¶11458326
IDC	XI	17 20 01 22.4–2.0	20.35S	176.42W	232–17	4.3,4.2b			
ISCJB	XI	17 20 01 22.7–1.4	20.52S–.05	176.40W–.07	253–12	4.4b,4.2b			
BJI	XI	17 20 01 22.4	20.06S	175.80W	256	5.2b,4.7b			
BGS	XI	17 20 01 24.7–3.4	20.44S	176.45W	259–0	4.6b,4.7b			
NEIC	XI	17 20 01 24.8–1.0	20.44S	176.45W	259–9	4.6b,4.7b			
ISC		Event type se.							
MOS		Error ellipse: s-maj=13.9km s-min=10.9km az=175.5.							
IDC		Error ellipse: s-maj=15.5km s-min=10.8km az=136.0.							
ISCJB		Event type se. Error ellipse: s-maj=10.8km s-min=8.0km az=17.8.							
BGS		Error ellipse: s-maj=541.2km s-min=999.9km az=-1.0.							
NEIC		Event type se. Error ellipse: s-maj=8.5km s-min=6.8km az=145.0.							
IDC	**XI**	**18 17 57 04.3–15**	**20.99S**	**177.59W**	**397–143**	**3.6,3.3b**			
									¶12074027
IDC		Error ellipse: s-maj=97.3km s-min=38.9km az=124.0.							
ISC	**XI**	**19 03 36 14.9–.54**	**21.03S–.05**	**179.25W–.04**	**647–6**	**4.5b**	**374**	**4-175**	
BGS	XI	19 03 35 55.8–2.3	23.85S	179.99W	503–0	4.0b			¶11458358
ISCJB	XI	19 03 36 13.8–.51	21.15S–.04	179.26W–.04	655–6	4.5b			
NEIC	XI	19 03 36 13.9–.64	20.93S	179.11W	645–7	4.5b			
IDC	XI	19 03 36 13.3–1.2	20.92S	179.09W	632–13	4.1,4.1			
MOS	XI	19 03 36 14.5–2.5	20.61S	179.40W	627	4.7b,4.1			
BJI	XI	19 03 36 14.0	20.51S	178.63W	660	4.8b,4.7b			
DJA	XI	19 03 36 17	21.14S	179.61W	650	5.0b,4.7b			
ISC		Event type se.							
BGS		Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.							
ISCJB		Event type se. Error ellipse: s-maj=7.5km s-min=4.6km az=146.3.							
NEIC		Event type se. Error ellipse: s-maj=10.0km s-min=6.6km az=134.0.							
IDC		Error ellipse: s-maj=13.3km s-min=10.6km az=128.0.							
MOS		Error ellipse: s-maj=12.2km s-min=11.6km az=4.5.							
ISC	**XI**	**19 09 17 09.5–.91**	**18.7S–.10**	**177.7W–.10**	**581–11**	**3.9b**	**36**	**4-151**	
ISCJB	XI	19 09 17 08.5–.95	18.7S–.10	177.7W–.10	584–12	3.9b			¶12074129
IDC	XI	19 09 17 08.4–1.7	18.62S	177.72W	563–20	3.6,3.4b			
NEIC	XI	19 09 17 09.4–.90	18.63S	177.67W	583–10	4.2b,3.4b			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=22.9km s-min=12.3km az=143.4.							
IDC		Error ellipse: s-maj=20.9km s-min=12.8km az=140.0.							
NEIC		Event type se. Error ellipse: s-maj=22.4km s-min=12.8km az=141.0.							
ISC	**XI**	**19 13 44 55.8–.60**	**18.68S–.10**	**177.70W–.09**	**621–9**	**4.5b**	**57**	**4-151**	
ISCJB	XI	19 13 44 55.5–.61	18.7S–.10	177.76W–.09	635–9	4.4b			¶12074145
IDC	XI	19 13 44 55.2–1.1	18.78S	177.73W	614–15	3.8,3.6b			
NEIC	XI	19 13 44 55.6–.78	18.73S	177.65W	623–9	4.6b,3.6b			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=18.2km s-min=9.8km az=145.6.							
IDC		Error ellipse: s-maj=16.2km s-min=9.6km az=138.0.							
NEIC		Event type se. Error ellipse: s-maj=15.4km s-min=10.8km az=134.0.							
IDC	**XI**	**19 17 44 08.0–16**	**14.70S**	**178.60W**	**520–177**	**3.1,2.9b**			
									¶12074164
IDC		Error ellipse: s-maj=137.4km s-min=55.6km az=131.0.							
ISC	**XI**	**20 03 34 21.0–1.1**	**21.4S–.10**	**178.9W–.10**	**550–12**	**3.9b**	**32**	**5-172**	
IDC	XI	20 03 34 18.2–2.2	21.30S	178.80W	520–26	3.7,3.5			¶12074226
NEIC	XI	20 03 34 19.1–1.0	21.38S	178.71W	537–11	3.5b,3.5			
ISCJB	XI	20 03 34 20.3–1.1	21.4S–.10	179.0W–.10	554–12	3.9b,3.5			
ISC		Event type se.							
NEIC		Event type se.							
ISCJB		Event type se.							
IDC	**XI**	**20 07 18 47.1–59**	**19.38S**	**179.31W**	**0**	**4.1,3.9**			
									¶12074241
IDC		Error ellipse: s-maj=1077.0km s-min=153.1km az=81.0.							
ISC	**XI**	**20 17 59 02.0–.36**	**15.84S–.08**	**179.52W–.07**	**35**	**4.5b,4.4s**	**53**	**3-177**	
IDC	XI	20 17 58 56.7–.62	15.74S	179.51W	0	4.4s,4.4			¶12074293
ISCJB	XI	20 17 58 59.8–.36	15.85S–.08	179.50W–.07	33	4.5b,4.4s			
GCMT	XI	20 17 59 02.6–.20	15.64S	179.41W	17–1	5.1W,4.4s			
NEIC	XI	20 17 59 02.3–.48	15.88S	179.60W	35	4.9b,4.4s			
ISC		Event type se.							
IDC		Error ellipse: s-maj=20.7km s-min=18.5km az=131.0.							
ISCJB		Event type se. Error ellipse: s-maj=12.6km s-min=8.4km az=154.7.							
GCMT		Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c78; s90,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.56±.15 $M_{\theta\theta}$-3.45±.14; $M_{\phi\phi}$4.01±.14; $M_{r\theta}$-0.89±.34; $M_{\theta\phi}$5.03±.13; $M_{\theta r}$-1.48±.36; Best double couple: NP1:ϕ_s161.00000°,δ80.00000°,λ172.00000°. NP2:ϕ_s252.00000°,δ82.00000°,λ10.00000°. Principal axes: T 6.9400,Plg13.0000° ,Azm117.0000°; N -0.9500,Plg77.0000°,Azm290.0000°; P -5.9900,Plg1.0000°,Azm27.0000° $M_0$6.50000×10^{16}							
NEIC		Event type se. Error ellipse: s-maj=20.3km s-min=11.2km az=139.0.							
ISC	**XI**	**21 01 41 14.1–1.1**	**21.7S–.10**	**179.4W–.10**	**609–12**	**4.2b**	**50**	**5-171**	
IDC	XI	21 01 41 12.0–2.2	21.65S	179.34W	585–24	3.7,3.5b			¶12074355
ISCJB	XI	21 01 41 12.7–1.1	21.7S–.10	179.4W–.10	612–13	4.2b,3.5b			
NEIC	XI	21 01 41 14.0–1.0	21.64S	179.43W	609–10	4.5b,3.5b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=19.0km s-min=16.4km az=128.0.							
ISCJB		Event type se. Error ellipse: s-maj=18.7km s-min=14.0km az=158.5.							
NEIC		Event type se. Error ellipse: s-maj=16.7km s-min=11.6km az=145.0.							
ISC	**XI**	**21 02 36 52.5–1.4**	**20.9S–.10**	**178.1W–.10**	**548–19**	**4.0b**	**29**	**9-153**	
ISCJB	XI	21 02 36 50.9–1.2	20.8S–.10	178.1W–.10	541–19	4.0b			¶12074358
IDC	XI	21 02 36 52.4–2.1	20.82S	178.10W	542–23	3.6,3.4b			
NEIC	XI	21 02 36 52.5–1.0	20.82S	178.05W	552–11	4.4b,3.4b			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=21.6km s-min=13.9km az=138.9.							
IDC		Error ellipse: s-maj=28.7km s-min=16.9km az=146.0.							
NEIC		Event type se. Error ellipse: s-maj=20.7km s-min=10.8km az=143.0.							
ISC	**XI**	**21 14 22 48.4–1.9**	**21.5S–.20**	**178.0W–.20**	**568–18**	**3.8b**	**14**	**5-89**	
IDC	XI	21 14 21 55.7–4.4	19.43S	178.23W	0	4.4,4.2b			¶13400794
ISCJB	XI	21 14 22 48.1–1.8	21.5S–.20	178.1W–.20	576–18	3.8b,4.2b			
NEIC	XI	21 14 22 48.3–1.7	21.46S	177.96W	568–16	4.0b,4.2b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=185.5km s-min=35.4km az=141.0.							
ISCJB		Event type se. Error ellipse: s-maj=34.4km s-min=26.0km az=10.8.							
NEIC		Event type se. Error ellipse: s-maj=30.9km s-min=23.9km az=107.0.							
ISC	**XI**	**21 16 25 10.1–.86**	**20.73S–.09**	**178.54W–.09**	**609–10**	**4.2b**	**60**	**4-172**	
ISCJB	XI	21 16 25 09.3–.83	20.76S–.09	178.58W–.09	615–10	4.2b			¶12074409
IDC	XI	21 16 25 09.7–1.7	20.57S	178.58W	599–19	3.8,3.7			
NEIC	XI	21 16 25 10.0–.68	20.67S	178.56W	609–7	4.2b,3.7			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=15.2km s-min=10.1km az=140.7.							
IDC		Error ellipse: s-maj=16.6km s-min=11.3km az=145.0.							
NEIC		Event type se. Error ellipse: s-maj=13.0km s-min=8.1km az=143.0.							
ISC	**XI**	**21 18 33 17.0–2.0**	**18.0S–.40**	**178.4W–.30**	**541–12**	**3.5b**	**18**	**3-148**	
ISCJB	XI	21 18 33 16.4–1.9	18.0S–.40	178.4W–.30	549–12	3.5b			¶12074424
IDC	XI	21 18 33 17.2–6.9	18.05S	178.29W	546–76	3.3,3.0b			
NEIC	XI	21 18 33 17.7–1.7	17.69S	178.59W	548–10	3.5b,3.0b			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=70.8km s-min=21.0km az=150.8.							
IDC		Error ellipse: s-maj=55.1km s-min=23.6km az=145.0.							
NEIC		Event type se. Error ellipse: s-maj=88.1km s-min=15.8km az=153.0.							
ISC	**XI**	**21 19 16 00.8–1.4**	**18.5S–.20**	**178.2W–.20**	**635–14**	**4.1b**	**22**	**4-148**	
ISCJB	XI	21 19 16 00.0–1.5	18.6S–.20	178.2W–.20	643–15	4.0b			¶12074431
NEIC	XI	21 19 16 00.4–1.0	18.49S	178.14W	637–10	4.4b			
IDC	XI	21 19 16 02.0–5.6	18.34S	178.23W	649–62	3.4,3.2b			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=34.1km s-min=23.7km az=170.5.							
NEIC		Event type se. Error ellipse: s-maj=21.5km s-min=14.8km az=159.0.							
IDC		Error ellipse: s-maj=73.6km s-min=37.8km az=156.0.							
ISC	**XI**	**22 10 49 10.1–.93**	**18.5S–.10**	**177.9W–.10**	**511–11**	**3.7b**	**40**	**4-148**	
IDC	XI	22 10 49 07.7–1.6	18.33S	178.05W	473–19	3.5,3.4			¶12074492
ISCJB	XI	22 10 49 08.9–.87	18.4S–.10	177.96W–.10	509–11	3.7b,3.4			
NEIC	XI	22 10 49 10.3–.89	18.38S	178.02W	507–10	4.1b,3.4			
ISC		Event type se.							
IDC		Error ellipse: s-maj=17.1km s-min=11.0km az=143.0.							
ISCJB		Event type se. Error ellipse: s-maj=20.5km s-min=11.7km az=150.8.							
NEIC		Event type se. Error ellipse: s-maj=20.1km s-min=11.0km az=150.0.							
IDC	**XI**	**22 16 35 18.6–4.2**	**17.75S**	**176.97W**	**0**	**4.3s,4.3**			
									¶12074514
IDC		Error ellipse: s-maj=184.6km s-min=33.3km az=139.0.							
ISC	**XI**	**22 23 42 57.2–.72**	**17.75S–.08**	**178.23W–.09**	**580–7**	**4.2b**	**71**	**4-175**	
ISCJB	XI	22 23 42 54.8–.63	17.72S–.08	178.20W–.07	566–9	4.2b			¶11492004
IDC	XI	22 23 42 55.0–1.7	17.63S	178.35W	543–19	3.8,3.8			
NEIC	XI	22 23 42 56.3–.70	17.69S	178.29W	564–8	4.4b,3.8			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=13.1km s-min=9.2km az=142.1.							
IDC		Error ellipse: s-maj=14.7km s-min=10.7km az=114.0.							
NEIC		Event type se. Error ellipse: s-maj=13.3km s-min=9.2km az=133.0.							
ISC	**XI**	**23 01 33 47.7–1.3**	**17.9S–.30**	**178.6W–.20**	**586–13**	**4.2b**	**39**	**3-148**	
IDC	XI	23 01 33 44.5–2.0	17.83S	178.51W	547–24	3.9,3.6b			¶12074550
ISCJB	XI	23 01 33 47.2–1.3	17.8S–.30	178.7W–.20	595–13	4.2b,3.6b			
NEIC	XI	23 01 33 47.5–.84	17.87S	178.61W	586–8	3.9b,3.6b			
ISC		Event type se.							
IDC		Error ellipse: s-maj=38.8km s-min=11.8km az=152.0.							
ISCJB		Event type se. Error ellipse: s-maj=44.1km s-min=12.2km az=151.8.							
NEIC		Event type se. Error ellipse: s-maj=29.0km s-min=7.7km az=153.0.							
ISC	**XI**	**23 12 18 53.5–1.1**	**21.64S–.04**	**177.09W–.05**	**271–10**	**4.6b**	**126**	**6-171**	
ISCJB	XI	23 12 18 52.0–1.1	21.63S–.04	177.08W–.06	269–10	4.6b			¶11482864
BJI	XI	23 12 18 53.6	21.50S	177.10W	271	5.0b,4.6b			
NEIC	XI	23 12 18 54.2–1.2	21.53S	177.11W	279–11	4.7b,4.6b			
IDC	XI	23 12 18 55.4–1.9	21.54S	177.15W	290–18	4.3,4.2b			
BGS	XI	23 12 18 56.4–5.0	21.53S	177.11W	279–0	4.7b,4.2b			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=8.8km s-min=6.3km az=21.7.							
NEIC		Event type se. Error ellipse: s-maj=10.7km s-min=7.2km az=147.0.							
IDC		Error ellipse: s-maj=12.4km s-min=9.1km az=143.0.							
BGS		Error ellipse: s-maj=745.5km s-min=999.9km az=-1.0.							
ISC	**XI**	**23 14 47 16.7–1.4**	**21.1S–.20**	**178.2W–.20**	**555–17**	**3.5b**	**19**	**5-151**	
ISCJB	XI	23 14 47 15.5–1.5	21.2S–.20	178.2W–.20	556–18	3.5b			¶12074600
NEIC	XI	23 14 47 16.8–1.1	21.07S	178.17W	559–11	3.3b			
IDC	XI	23 14 47 19.3–3.5	20.59S	178.43W	570–27	3.3,3.1			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=38.5km s-min=16.9km az=154.2.							
NEIC		Event type se. Error ellipse: s-maj=27.6km s-min=12.2km az=152.0.							
IDC		Error ellipse: s-maj=117.5km s-min=15.9km az=152.0.							
ISC	**XI**	**23 17 43 07.1–1.3**	**15.5S–.10**	**177.7W–.10**	**385–15**	**3.5b**	**23**	**5-144**	
ISCJB	XI	23 17 43 06.6–1.3	15.5S–.10	177.7W–.10	395–15	3.5b			¶12074604
IDC	XI	23 17 43 07.3–1.8	15.55S	177.61W	390–24	3.5,3.2b			
NEIC	XI	23 17 43 09.2–.89	15.50S	177.58W	413–10	3.6b,3.2b			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=27.7km s-min=13.6km az=139.3.							
IDC		Error ellipse: s-maj=74.7km s-min=13.1km az=152.0.							
NEIC		Event type se. Error ellipse: s-maj=21.2km s-min=10.9km az=144.0.							
ISC	**XI**	**23 21 08 10.2–3.1**	**18.5S–.60**	**177.2W–.40**	**263–24**	**3.5b**	**17**	**7-148**	
IDC	XI	23 21 08 08.8–3.9	18.88S	177.01W	261–27	3.6,3.4			¶12074615
ISCJB	XI	23 21 08 09.1–3.2	18.7S–.60	177.2W–.40	267–25	3.5b,3.4			
NEIC	XI	23 21 08 09.9–2.9	19.03S	176.93W	275–19	4.0b,3.4			
ISC		Event type se.							
IDC		Error ellipse: s-maj=112.1km s-min=15.4km az=151.0.							
ISCJB		Event type se. Error ellipse: s-maj=115.6km s-min=18.1km az=151.5.							
NEIC		Event type se. Error ellipse: s-maj=101.1km s-min=12.9km az=153.0.							
ISC	**XI**	**23 21 24 49.9–1.6**	**21.0S–.20**	**178.2W–.20**	**558–16**	**3.7b**	**16**	**5-153**	
ISCJB	XI	23 21 24 49.4–1.5	21.0S–.20	178.3W–.20	565–16	3.7b			¶12074616
NEIC	XI	23 21 24 49.8–1.2	20.99S	178.21W	561–11	3.7b			
IDC	XI	23 21 24 50.2–10	20.85S	178.25W	558–102	3.5,3.2b			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=29.5km s-min=23.0km az=174.1.							
NEIC		Event type se. Error ellipse: s-maj=20.9km s-min=15.6km az=113.0.							
IDC		Error ellipse: s-maj=113.0km s-min=51.9km az=141.0.							
ISC	**XI**	**24 07 02 16.2–2.1**	**17.8S–.50**	**176.3W–.30**	**358–16**	**3.6b**	**17**	**5-85**	
ISCJB	XI	24 07 02 15.5–2.1	17.9S–.50	176.3W–.30	365–16	3.6b			¶12074657
IDC	XI	24 07 02 15.8–1.9	17.16S	176.97W	314–38	3.7,3.6			
NEIC	XI	24 07 02 16.3–1.9	17.98S	176.30W	358–14	4.1b,3.6			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=96.4km s-min=14.2km az=152.4.							
IDC		Error ellipse: s-maj=126.4km s-min=20.1km az=144.0.							
NEIC		Event type se. Error ellipse: s-maj=72.4km s-min=14.0km az=153.0.							
ISC	**XI**	**24 07 43 02.6–.78**	**19.6S–.10**	**177.54W–.08**	**577–8**	**4.1b**	**52**	**5-174**	
NEIC	XI	24 07 43 01.4–.72	19.45S	177.52W	566–8	3.8b			¶12074661
ISCJB	XI	24 07 43 02.2–.74	19.6S–.10	177.58W–.08	587–8	4.1b			
IDC	XI	24 07 43 03.6–2.1	19.47S	177.65W	585–24	3.7,3.5			
ISC		Event type se.							
NEIC		Event type se. Error ellipse: s-maj=15.7km s-min=9.2km az=153.0.							
ISCJB		Event type se. Error ellipse: s-maj=16.7km s-min=10.6km az=164.8.							
IDC		Error ellipse: s-maj=22.4km s-min=10.7km az=156.0.							
ISC	**XI**	**24 14 27 45.0–.91**	**19.2S–.20**	**177.5W–.10**	**576–10**	**3.4b**	**26**	**4-149**	
ISCJB	XI	24 14 27 44.3–.90	19.2S–.20	177.6W–.10	583–11	3.4b			¶12074691
IDC	XI	24 14 27 45.6–1.8	18.83S	177.83W	572–19	3.3,3.1			
NEIC	XI	24 14 27 45.4–.96	19.21S	177.57W	584–10	3.3,3.1			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=27.7km s-min=12.7km az=145.3.							
IDC		Error ellipse: s-maj=45.7km s-min=13.3km az=151.0.							
NEIC		Event type se. Error ellipse: s-maj=26.1km s-min=15.5km az=145.0.							
ISC	**XI**	**24 17 40 47.1–1.3**	**17.4S–.30**	**178.7W–.20**	**497–23**	**4.1b**	**29**	**8-147**	
ISCJB	XI	24 17 40 45.9–1.4	17.4S–.30	178.7W–.20	497–24	4.1b			¶12074700
NEIC	XI	24 17 40 46.9–1.1	17.36S	178.72W	498–17	3.9b			
IDC	XI	24 17 40 47.1–2.1	17.33S	178.73W	498–26	3.6,3.5			
ISC		Event type se.							
ISCJB		Event type se. Error ellipse: s-maj=49.6km s-min=17.4km az=150.8.							
NEIC		Event type se. Error ellipse: s-maj=53.9km s-min=13.0km az=155.0.							
IDC		Error ellipse: s-maj=52.9km s-min=16.8km az=154.0.							

ISC XI 24 18 48 58.4–1.1 17.8S–.30 178.7W–.20 558–11 4.1b 31 3-147
IDC XI 24 18 48 57.2–2.0 17.67S 178.71W 537–25 3.8,3.6 **¶12074704**
NEIC XI 24 18 48 58.0–1.1 17.81S 178.61W 556–10 4.3b,3.6
ISCJB XI 24 18 48 59.1–1.4 17.7S–.30 178.9W–.20 575–14 4.1b,3.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 25 01 01 43.5–1.0 17.5S–.20 179.0W–.10 534–11 3.7b 25 3-147
IDC XI 25 01 01 41.6–2.3 17.52S 178.97W 510–27 3.6,3.4 **¶12074751**
ISCJB XI 25 01 01 42.8–1.0 17.5S–.20 179.0W–.10 538–11 3.7b,3.4
NEIC XI 25 01 01 42.9–.75 17.52S 178.91W 529–8 3.4b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=13.2km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=41.3km s-min=14.4km az=154.5.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=11.0km az=154.0.
IDC XI 25 12 38 35.5–18 19.82S 177.61W 528–210 3.5,3.2b
¶12074782
IDC Error ellipse: s-maj=214.2km s-min=54.6km az=156.0.
ISC XI 25 17 19 02.0–.97 19.3S–.20 177.4W–.10 587–13 4.0b 31 5-87
ISCJB XI 25 17 19 01.1–.97 19.3S–.20 177.4W–.10 595–14 4.0b **¶12074796**
IDC XI 25 17 19 01.8–1.7 19.29S 177.51W 569–25 3.4,3.3
NEIC XI 25 17 19 01.8–.94 19.36S 177.42W 578–12 4.2b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=17.5km az=145.6.
IDC Error ellipse: s-maj=29.4km s-min=15.6km az=145.0.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=13.7km az=153.0.
IDC XI 26 08 18 55.2–37 20.05S 178.61W 671–315 3.1,3.0b
¶12074878
IDC Error ellipse: s-maj=354.7km s-min=112.0km az=75.0.
IDC XI 26 14 11 53.3–2.1 17.78S 176.19W 0 4.3,4.0
¶12074902
IDC Error ellipse: s-maj=118.4km s-min=27.1km az=147.0.
IDC XI 26 16 02 60.0–13 20.02S 178.74W 544–136 3.4,3.1b
¶12074914
IDC Error ellipse: s-maj=133.2km s-min=48.8km az=131.0.
ISC XI 26 16 25 15.2–.66 20.93S–.07 179.40W–.06 635–7 4.5b 250 4-172
NEIC XI 26 16 25 13.7–.71 21.08S 179.26W 630–8 4.4b **¶11490461**
ISCJB XI 26 16 25 14.9–.64 20.91S–.07 179.47W–.06 649–8 4.4b
IDC XI 26 16 25 15.7–1.7 20.92S 179.38W 646–19 3.9,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.0km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=5.9km az=147.1.
IDC Error ellipse: s-maj=18.3km s-min=10.1km az=151.0.
IDC XI 27 07 08 33.0–52 17.47S 177.25W 0 4.1,3.9b
¶12075007
IDC Error ellipse: s-maj=956.7km s-min=164.6km az=79.0.
ISC XI 27 09 02 40.2–.95 17.7S–.20 178.4W–.10 536–14 3.8b 28 3-147
ISCJB XI 27 09 02 39.7–.96 17.7S–.20 178.4W–.10 542–15 3.8b **¶12075016**
IDC XI 27 09 02 40.4–1.6 17.82S 178.25W 542–20 3.5,3.4
NEIC XI 27 09 02 42.1–.86 17.76S 178.29W 566–10 4.0b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.5km s-min=12.2km az=148.7.
IDC Error ellipse: s-maj=32.4km s-min=13.1km az=140.0.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=13.0km az=148.0.
IDC XI 27 14 46 57.4–18 19.85S 177.74W 611–164 3.3,3.2
¶12075038
IDC Error ellipse: s-maj=273.6km s-min=54.8km az=52.0.
IDC XI 28 00 11 04.4–7.9 18.80S 178.55W 0 3.9,3.7
¶12075090
IDC Error ellipse: s-maj=346.6km s-min=37.2km az=144.0.
IDC XI 28 02 34 37.9–3.6 19.59S 176.38W 0 4.3,4.1b
¶12075103
IDC Error ellipse: s-maj=150.8km s-min=54.0km az=147.0.
IDC XI 28 04 52 38.5–54 21.08S 179.19W 0 4.3,4.2b
¶12075111
IDC Error ellipse: s-maj=977.9km s-min=146.3km az=83.0.
IDC XI 28 13 50 14.6–3.4 20.09S 178.49W 0 3.8,3.7
¶12075145
IDC Error ellipse: s-maj=186.4km s-min=26.9km az=152.0.
IDC XI 28 13 55 40.8–32 21.38S 177.11W 624–343 3.1,2.9b
¶12075146
IDC Error ellipse: s-maj=320.2km s-min=78.1km az=129.0.
IDC XI 28 23 31 45.8–1.8 16.04S 176.51W 358–51 3.6,3.5
¶12075198
IDC Error ellipse: s-maj=150.8km s-min=22.5km az=142.0.
ISC XI 29 04 08 15.9–.89 17.6S–.20 178.7W–.10 564–11 3.8b 23 3-176
ISCJB XI 29 04 08 15.1–.89 17.6S–.20 178.8W–.10 568–11 3.8b **¶12075219**
NEIC XI 29 04 08 15.7–.67 17.70S 178.69W 559–7 3.9b
IDC XI 29 04 08 15.1–2.1 17.63S 178.77W 546–25 3.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.4km s-min=16.2km az=149.3.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=12.1km az=143.0.
IDC Error ellipse: s-maj=21.2km s-min=16.0km az=124.0.
ISC XI 29 05 59 15.6–.10 18.84S–.02 177.64W–.02 377 5.7b 557 4-175
BJI XI 29 05 59 12.9 18.31S 177.32W 356 5.5b,5.4b **¶11482916**
DJA XI 29 05 59 14 18.81S 177.52W 377 6.0W,5.4b
ISCJB XI 29 05 59 14.3–.10 18.79S–.02 177.69W–.02 375 5.7b,5.4b
BGS XI 29 05 59 14.7–7.2 18.70S 177.72W 386–0 5.7b,5.4b
MOS XI 29 05 59 14.9–1.2 18.74S 177.61W 386 5.9b,5.4b
IDC XI 29 05 59 15.0–.62 18.82S 177.61W 373–5 5.3b,5.3
NEIC XI 29 05 59 16.6–.11 18.70S 177.72W 386 5.9W,5.9W
SZGRF XI 29 05 59 17.7 18.41S 177.20W 384 5.9W,5.9W
GCMT XI 29 05 59 19.6–.10 18.72S 177.52W 397–0 6.0W,5.9W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.3km az=32.5.
BGS Error ellipse: s-maj=437.6km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=11.6km s-min=9.8km az=152.9.
IDC Error ellipse: s-maj=8.7km s-min=7.9km az=117.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.9km az=146.0. Moment Tensor Solution. s32 Moment tensor: Scale 10^{17}Nm; M_{rr}2.89 $M_{\theta\theta}$-5.39 $M_{\phi\phi}$2.50 $M_{r\theta}$-5.90 $M_{\theta\phi}$-2.56 $M_{\phi r}$4.06 Best double couple: NP1:ϕ_s293.00000°,δ79.00000°,λ123.00000°. NP2:ϕ_s39.00000° ,δ34.00000°,λ20.00000°. Principal axes: T 9.3200,Plg46.0000°,Azm235.0000° ; N -0.8400,Plg31.0000°,Azm105.0000°; P -8.4700,Plg26.0000°,Azm357.0000° $M_0$8.90000×10^{17}
SZGRF Fiji Islands region.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s113,c247; s84,c118; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s30.00000°,δ42.00000°,λ17.00000°. NP2:ϕ_s288.00000° ,δ79.00000°,λ131.00000°. Principal axes: T 1.2000,Plg41.0000°,Azm236.0000° ; N -0.0900,Plg40.0000°,Azm98.0000°; P -1.1100,Plg23.0000°,Azm348.0000° $M_0$1.20000×10^{18}
IDC XI 29 09 34 30.1–6.9 17.37S 177.41W 0 3.9,3.6b
¶12075244
IDC Error ellipse: s-maj=302.2km s-min=35.5km az=142.0.
IDC XI 29 19 54 38.7–5.9 19.89S 176.02W 0 4.0,3.6b
¶12075279
IDC Error ellipse: s-maj=283.4km s-min=35.9km az=146.0.
ISC XI 30 07 54 38.3–.85 20.97S–.06 178.85W–.06 614–10 4.4b 104 4-172
ISCJB XI 30 07 54 37.1–.82 21.01S–.06 178.87W–.06 616–10 4.4b **¶11482972**
NEIC XI 30 07 54 38.7–.65 20.83S 178.89W 619–7 4.4b
IDC XI 30 07 54 39.4–1.8 20.91S 178.86W 629–22 3.9,3.8
BGS XI 30 07 54 39.4–4.4 20.83S 178.89W 619–0 4.4b,3.8
BJI XI 30 07 54 40.3 20.03S 179.05W 615 5.0b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=7.5km az=142.6.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.7km az=148.0.
IDC Error ellipse: s-maj=18.6km s-min=9.9km az=159.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC XI 30 22 07 52.2–.76 20.50S–.09 177.74W–.10 514–8 4.3b 43 5-173
ISCJB XI 30 22 07 51.2–.64 20.41S–.08 177.69W–.08 520–9 4.3b **¶12075366**
NEIC XI 30 22 07 51.9–.62 20.48S 177.70W 519–6 4.2b
IDC XI 30 22 07 51.5–1.7 20.48S 177.67W 510–18 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=10.3km az=143.3.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.4km az=138.0.
IDC Error ellipse: s-maj=19.1km s-min=11.6km az=128.0.
ISC XII 01 07 18 57.2–1.4 17.2S–.20 178.7W–.20 599–13 3.8b 26 3-147
ISCJB XII 01 07 18 56.7–1.4 17.2S–.20 178.7W–.20 609–14 3.8b **¶12075393**
NEIC XII 01 07 18 56.9–.87 17.25S 178.62W 599–7 4.0b
IDC XII 01 07 18 57.1–5.6 17.33S 178.58W 602–70 3.5,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=43.7km s-min=14.0km az=141.3.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=7.8km az=142.0.
IDC Error ellipse: s-maj=75.5km s-min=24.8km az=155.0.
IDC XII 01 15 06 18.8–53 17.71S 176.15W 0 4.2,4.0b
¶12075423
IDC Error ellipse: s-maj=997.3km s-min=153.2km az=80.0.
IDC XII 01 21 02 11.4–30 16.28S 177.29W 0 4.1,3.9b
¶12075450
IDC Error ellipse: s-maj=575.9km s-min=147.0km az=84.0.
IDC XII 02 01 05 28.8–6.4 20.18S 176.48W 0 4.1,3.9b
¶12075466
IDC Error ellipse: s-maj=312.7km s-min=96.5km az=155.0.
ISC XII 02 02 36 16.5–1.3 20.5S–.10 178.5W–.10 572–12 4.2b 38 4-150
ISCJB XII 02 02 36 15.8–1.2 20.5S–.10 178.5W–.10 578–13 4.2b **¶12075469**
NEIC XII 02 02 36 15.7–1.6 20.55S 178.41W 569–11 4.4b
IDC XII 02 02 36 17.5–2.7 20.45S 178.54W 583–30 3.7,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=14.4km az=144.7.
NEIC Event type se. Error ellipse: s-maj=36.6km s-min=11.4km az=140.0.
IDC Error ellipse: s-maj=41.1km s-min=13.4km az=149.0.
ISC XII 02 06 01 19.3–.83 17.9S–.20 178.6W–.10 602–10 3.8b 34 3-150
ISCJB XII 02 06 01 17.9–.70 17.9S–.20 178.6W–.10 603–10 3.8b **¶12075479**
IDC XII 02 06 01 18.1–1.5 17.79S 178.62W 583–17 3.6,3.5
NEIC XII 02 06 01 19.1–.60 17.87S 178.56W 601–7 3.6b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=9.8km az=151.7.
IDC Error ellipse: s-maj=36.9km s-min=10.2km az=152.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=8.3km az=151.0.
IDC XII 02 09 40 07.6–3.4 16.35S 176.38W 0 4.5,4.4b
¶12075487
IDC Error ellipse: s-maj=129.2km s-min=68.7km az=158.0.
ISC XII 02 16 15 14.5–1.2 21.3S–.20 178.5W–.20 543–17 3.7b 16 5-151
ISCJB XII 02 16 15 14.2–1.1 21.3S–.20 178.5W–.20 551–17 3.7b **¶12075519**
IDC XII 02 16 15 14.5–3.4 21.09S 178.71W 527–30 3.4,3.2
NEIC XII 02 16 15 14.4–.88 21.35S 178.52W 538–9 3.8b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.5km s-min=18.8km az=141.8.
IDC Error ellipse: s-maj=124.0km s-min=18.2km az=147.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=11.3km az=143.0.
ISC XII 02 23 20 09.2–.86 17.7S–.30 178.7W–.20 610–14 3.8b 30 8-87
ISCJB XII 02 23 20 08.8–.89 17.7S–.30 178.7W–.20 622–16 3.8b **¶12075561**
NEIC XII 02 23 20 08.7–1.0 17.71S 178.59W 606–14 4.0b
IDC XII 02 23 20 09.3–1.5 17.34S 178.83W 606–25 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=57.3km s-min=11.0km az=151.9.
NEIC Event type se. Error ellipse: s-maj=52.6km s-min=9.8km az=154.0.
IDC Error ellipse: s-maj=78.8km s-min=12.2km az=152.0.
NEIC XII 03 17 29 26.0–5.0 17.23S 174.91E 35
IDC XII 03 17 30 18.5–39 19.14S 168.14E 0 4.3,4.2 **¶12075622**
NEIC Event type se. Error ellipse: s-maj=115.0km s-min=39.5km az=120.0.
IDC Error ellipse: s-maj=664.2km s-min=102.2km az=78.0.
IDC XII 03 20 27 48.4–10.0 18.45S 178.32W 564–126 2.9,2.8
¶12075641
IDC Error ellipse: s-maj=157.5km s-min=37.6km az=155.0.
IDC XII 03 21 10 32.8–6.6 20.34S 178.51W 0 4.1,3.8
¶12075644
IDC Error ellipse: s-maj=277.6km s-min=37.1km az=145.0.
ISC XII 04 06 14 22.7–1.0 21.08S–.09 178.69W–.10 544–12 4.4b 52 5-172
IDC XII 04 06 14 20.7–1.7 21.01S 178.61W 526–17 4.0,3.8b **¶12075691**
NEIC XII 04 06 14 21.5–.74 21.05S 178.60W 538–8 4.5b,3.8b
ISCJB XII 04 06 14 22.4–1.1 21.07S–.09 178.74W–.10 552–13 4.4b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 04 07 53 34.9–50 18.77S 179.45W 0 4.2,4.0b
¶12075704
IDC Error ellipse: s-maj=902.6km s-min=151.6km az=80.0.
ISC XII 04 15 27 45.6–.72 16.2S–.20 176.4W–.10 388–9 3.5b 25 5-146
ISCJB XII 04 15 27 44.9–.72 16.2S–.20 176.4W–.10 397–10 3.5b **¶12075752**
IDC XII 04 15 27 44.4–1.4 16.10S 176.55W 374–17 3.5,3.3b
NEIC XII 04 15 27 45.5–.66 16.21S 176.43W 394–7 4.1b,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.9km s-min=11.2km az=149.5.
IDC Error ellipse: s-maj=29.4km s-min=12.5km az=138.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=9.0km az=146.0.
IDC XII 04 17 25 02.0–4.0 16.46S 177.41W 0 4.6,4.4
¶12075762
IDC Error ellipse: s-maj=166.7km s-min=46.4km az=138.0.
ISC XII 04 17 32 04.3–.90 19.85S–.07 178.27W–.07 621–10 4.6b 132 4-160
SZGRF XII 04 17 30 55.1 21.50S 178.01W 33 4.6b **¶12075763**
DJA XII 04 17 31 38 19.67S 176.73W 415 4.7b
BJI XII 04 17 32 00.3 19.31S 177.42W 604 5.2b,4.7b
IDC XII 04 17 32 02.3–1.1 19.87S 178.20W 601–11 4.2,4.1
MOS XII 04 17 32 03.1–1.9 18.89S 178.98W 552 4.8b,4.1
NEIC XII 04 17 32 03.2–.66 19.77S 178.26W 610–7 4.5b,4.1
ISCJB XII 04 17 32 03.8–.87 19.86S–.07 178.35W–.07 632–10 4.6b,4.1
ISC Event type se.
SZGRF Fiji Islands region.
NEIC Event type se.
ISCJB Event type se.
IDC XII 04 23 45 40.8–65 16.27S 177.60W 0 3.8,3.6b
¶12075809
IDC Error ellipse: s-maj=1194.0km s-min=174.6km az=77.0.
IDC XII 05 00 49 12.7–45 16.29S 176.99W 0 4.2,4.1b
¶12075815
IDC Error ellipse: s-maj=838.9km s-min=149.4km az=78.0.
ISC XII 05 04 33 00.9–1.0 20.4S–.10 177.5W–.10 517–12 4.2b 41 5-173
ISCJB XII 05 04 32 58.2–1.1 20.3S–.10 177.6W–.10 492–15 4.2b **¶12075830**
IDC XII 05 04 32 59.6–2.3 20.36S 177.58W 500–24 3.8,3.6b
NEIC XII 05 04 33 00.2–.88 20.51S 177.45W 517–8 4.4b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=11.0km az=41.2.
IDC Error ellipse: s-maj=25.9km s-min=15.5km az=136.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=9.8km az=141.0.
ISC XII 05 06 08 30.8–1.3 20.43S–.07 176.66W–.08 276–12 4.4b 54 6-173
IDC XII 05 06 08 23.0–2.4 20.13S 176.51W 209–22 4.3,4.1b **¶12075842**
ISCJB XII 05 06 08 25.6–2.7 20.33S–.08 176.67W–.10 239–25 4.5b,4.1b
NEIC XII 05 06 08 29.9–1.4 20.35S 176.61W 274–12 4.6b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=12.0km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=11.8km az=26.6.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.8km az=113.0.
IDC XII 05 17 36 12.0–17 19.34S 176.77W 481–151 3.1,2.9
¶12075906
IDC Error ellipse: s-maj=212.0km s-min=41.6km az=133.0.
IDC XII 06 00 48 23.1–18 18.12S 177.91W 525–159 3.1,2.9
¶12075958
IDC Error ellipse: s-maj=297.8km s-min=59.4km az=140.0.
ISC XII 06 03 41 24.7–.96 19.9S–.20 177.2W–.10 572–13 4.2b 28 5-119
IDC XII 06 03 41 23.5–1.8 19.87S 177.48W 528–26 3.5,3.3 **¶12075975**
ISCJB XII 06 03 41 24.2–.94 19.9S–.20 177.2W–.10 580–13 4.2b,3.3

NEIC XII 06 03 41 25.0–.83 19.89S 177.25W 572–9 4.5b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=15.9km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=28.1km s-min=13.5km az=144.4.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=11.9km az=148.0.
IDC XII 06 14 58 42.1–31 15.94S 176.56W 0 4.1,4.0b
¶12076037

IDC Error ellipse: s-maj=596.0km s-min=150.6km az=84.0.
IDC XII 06 23 55 41.7–4.2 16.12S 178.23W 0 4.2,4.1b
¶12076082

IDC Error ellipse: s-maj=163.6km s-min=47.6km az=138.0.
ISC XII 07 05 52 51.7–1.1 17.7S–.30 178.6W–.20 549–13 3.6b 16 3-147
ISCJB XII 07 05 52 50.9–1.1 17.7S–.30 178.6W–.20 553–13 3.6b **¶12076118**
IDC XII 07 05 52 50.6–2.3 17.41S 178.89W 508–33 3.4,3.2
NEIC XII 07 05 52 51.8–.99 17.65S 178.63W 543–10 3.6b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=56.1km s-min=17.4km az=147.6.
IDC Error ellipse: s-maj=57.8km s-min=18.3km az=142.0.
NEIC Event type se. Error ellipse: s-maj=47.5km s-min=14.1km az=148.0.
IDC XII 07 11 53 16.2–26 20.75S 178.42W 328–252 3.5,3.3b
¶12076176

IDC Error ellipse: s-maj=164.5km s-min=34.6km az=16.0.
ISC XII 07 11 54 53.8–.76 19.51S–.06 177.62W–.08 552–11 4.3b 67 4-149
ISCJB XII 07 11 54 53.1–.75 19.55S–.06 177.67W–.08 557–11 4.3b **¶11493381**
IDC XII 07 11 54 55.0–1.3 19.61S 177.65W 573–16 3.7,3.6
NEIC XII 07 11 54 55.7–.83 19.53S 177.61W 581–10 4.7b,3.6
BJI XII 07 11 54 55.1 19.55S 177.25W 601 4.9b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=8.0km az=32.6.
IDC Error ellipse: s-maj=20.6km s-min=9.8km az=150.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.6km az=142.0.
IDC XII 07 12 06 36.2–1.5 16.28S 176.13W 396–33 4.0,3.9
¶12076179

IDC Error ellipse: s-maj=38.5km s-min=25.6km az=107.0.
ISC XII 07 15 16 25.2–1.2 19.18S–.07 177.54W–.08 401–13 4.0b 57 4-149
ISCJB XII 07 15 16 22.2–.92 19.07S–.06 177.68W–.08 375–12 4.0b **¶12076221**
IDC XII 07 15 16 23.6–2.0 19.16S 177.62W 379–21 3.8,3.7
NEIC XII 07 15 16 25.1–1.1 19.36S 177.44W 405–10 3.8b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=8.7km az=33.9.
IDC Error ellipse: s-maj=21.9km s-min=11.7km az=142.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=11.0km az=147.0.
IDC XII 08 06 33 39.0–55 17.82S 179.84W 0 3.9,3.7b
¶12076306

IDC Error ellipse: s-maj=999.9km s-min=156.7km az=78.0.
ISC XII 08 08 37 35.4–1.7 20.1S–.20 178.3W–.20 568–16 3.5b 18 4-88
ISCJB XII 08 08 37 34.7–1.7 20.1S–.20 178.4W–.20 574–16 3.5b **¶12076325**
NEIC XII 08 08 37 35.1–1.2 20.13S 178.29W 567–11 3.7b
IDC XII 08 08 37 35.5–9.4 20.17S 178.28W 572–110 3.2,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.5km s-min=21.0km az=137.4.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=14.1km az=137.0.
IDC Error ellipse: s-maj=46.8km s-min=33.9km az=124.0.
ISC XII 08 21 39 38.0–5.9 17.1S–.70 178.9W–.80 599–16 3.7b 14 3-147
NEIC XII 08 21 39 38.4–1.2 17.17S 179.00W 597–9 3.4b **¶12076420**
IDC XII 08 21 39 43.0–18 17.52S 179.10W 650–181 3.3,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=19.6km az=65.0.
IDC Error ellipse: s-maj=151.3km s-min=91.5km az=107.0.
IDC XII 08 22 27 37.2–6.5 17.22S 177.16W 0 4.3,4.1b
¶12076426

IDC Error ellipse: s-maj=322.1km s-min=52.2km az=146.0.
ISC XII 09 18 51 15.1–.10 21.00S–.03 178.87W–.03 599 5.0b 655 4-176
DJA XII 09 18 49 58 20.50S 175.31W 10 5.8b **¶13402353**
ISCJB XII 09 18 51 13.7–.10 20.99S–.03 178.88W–.03 597 5.0b
NEIC XII 09 18 51 14.3–.51 20.89S 178.86W 597–5 5.1b
MOS XII 09 18 51 14.7–1.4 20.73S 178.89W 603 5.2b
BGS XII 09 18 51 15.1–3.3 20.89S 178.86W 597–0 5.1b
GCMT XII 09 18 51 15.9–.30 20.89S 178.62W 607–2 5.7W
IDC XII 09 18 51 16.4–.66 20.84S 178.85W 615–7 4.5b,4.5
BJI XII 09 18 51 16.0 19.96S 178.86W 592 5.1b,4.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.6km az=42.5.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.8km az=140.0.
MOS Error ellipse: s-maj=9.4km s-min=8.2km az=56.8.
BGS Error ellipse: s-maj=258.2km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c130; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.20±.10 $M_{\theta\theta}$2.35±.17; $M_{\phi\phi}$0.86±.19; $M_{r\theta}$-3.07±.19; $M_{\theta\phi}$-0.62±.16; $M_{\phi r}$-1.51±.18; Best double couple: NP1:ϕ_s296.00000°,δ24.00000°,λ-55.00000°. NP2:ϕ_s78.00000°,δ70.00000°,λ-105.00000°. Principal axes: T 3.7100,Plg24.0000° ,Azm179.0000°; N 1.3100,Plg14.0000°,Azm83.0000°; P -5.0200,Plg62.0000°,Azm326.0000° M_o4.40000×10^{17}
IDC Error ellipse: s-maj=11.2km s-min=8.1km az=147.0.
ISC XII 09 20 08 49.5–.12 20.24S–.04 178.70W–.03 614 5.0b 710 4-175
BJI XII 09 20 08 46.7 19.99S 177.96W 618 5.1b,4.9b **¶13402356**
NEIC XII 09 20 08 47.9–.15 20.24S 178.66W 606 5.1b,4.9b
IDC XII 09 20 08 48.9–.51 20.23S 178.62W 616–5 4.6,4.6
BGS XII 09 20 08 48.9–6.0 20.24S 178.66W 606–0 5.1b,4.6
ISCJB XII 09 20 08 48.0–.12 20.25S–.04 178.74W–.03 613 5.0b,4.6
MOS XII 09 20 08 49.2–.98 20.05S 178.72W 622 5.1b,4.6
GCMT XII 09 20 08 52.5–.70 19.92S 178.45W 623–4 5.4W,4.6
DJA XII 09 20 08 58 20.40S 179.75W 650 5.1b,4.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.6km az=147.0.
IDC Error ellipse: s-maj=10.0km s-min=8.7km az=144.0.
BGS Error ellipse: s-maj=421.0km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.6km az=156.5.
MOS Error ellipse: s-maj=10.0km s-min=7.9km az=65.1.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s38,c50; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.07 $M_{\theta\theta}$-0.48±.11; $M_{\phi\phi}$0.56±.09; $M_{r\theta}$-1.19±.10; $M_{\theta\phi}$0.83±.10; $M_{\phi r}$-0.52±.11; Best double couple: NP1:ϕ_s163.00000°,δ37.00000°,λ-177.00000°. NP2: ϕ_s71.00000°,δ88.00000°,λ-53.00000°. Principal axes: T 1.7100,Plg33.0000°,Azm130.0000° ; N -0.1700,Plg37.0000°,Azm249.0000°; P -1.5400,Plg36.0000°,Azm12.0000° M_o1.60000×10^{17}
ISC XII 10 01 51 26.2–.78 17.89S–.07 178.70W–.06 564–9 4.3b 92 3-175
BJI XII 10 01 51 21.6 18.68S 178.22W 572 4.8b,4.5b **¶12076651**
IDC XII 10 01 51 24.4–1.4 17.91S 178.58W 545–16 4.0,3.9
ISCJB XII 10 01 51 25.5–.80 17.91S–.07 178.72W–.06 569–10 4.3b,3.9
NEIC XII 10 01 51 25.4–.53 17.90S 178.64W 558–6 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=10.9km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.2km az=141.3.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.5km az=141.0.
ISC XII 10 06 32 09.2–.75 16.47S–.08 177.44W–.08 386–9 4.2b 64 4-177
ISCJB XII 10 06 32 08.7–.77 16.48S–.08 177.49W–.07 392–9 4.2b **¶12076679**
IDC XII 10 06 32 08.8–1.4 16.40S 177.47W 382–15 3.9,3.9
NEIC XII 10 06 32 09.6–.78 16.46S 177.44W 392–8 4.5b,3.9
DJA XII 10 06 32 16 16.44S 177.86W 452 4.7b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=9.2km az=144.3.
IDC Error ellipse: s-maj=20.1km s-min=10.6km az=137.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.5km az=140.0.
ISC XII 10 07 31 51.7–1.8 18.7S–.30 176.4W–.20 289–18 4.1b 35 5-152
ISCJB XII 10 07 31 50.7–1.7 18.6S–.30 176.5W–.30 290–19 4.1b **¶12076687**
IDC XII 10 07 31 51.4–2.8 18.73S 176.40W 286–23 4.0,3.9b
NEIC XII 10 07 31 52.0–1.3 18.90S 176.22W 301–9 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=59.3km s-min=14.3km az=140.8.
IDC Error ellipse: s-maj=43.6km s-min=13.5km az=144.0.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=8.1km az=147.0.
IDC XII 11 19 57 31.3–6.3 17.81S 177.00W 0 3.9,3.6b
¶12076985

IDC Error ellipse: s-maj=320.6km s-min=51.1km az=146.0.
ISC XII 11 21 21 53.9–.78 18.25S–.09 177.91W–.09 617–8 4.2b 63 4-175
ISCJB XII 11 21 21 53.1–.85 18.26S–.09 177.95W–.09 625–9 4.2b **¶12077008**
NEIC XII 11 21 21 53.1–.73 18.24S 177.89W 610–8 4.4b
IDC XII 11 21 21 54.2–2.1 18.18S 177.95W 616–25 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=10.6km az=139.9.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.4km az=135.0.
IDC Error ellipse: s-maj=15.8km s-min=11.5km az=147.0.
NEIC XII 12 09 23 12.0–1.6 19.35S 179.65W 577–14 3.9b
IDC XII 12 09 22 57.0–24 20.04S 178.26W 484–219 3.9,3.7b **¶12077091**
NEIC Event type se. Error ellipse: s-maj=40.5km s-min=33.5km az=204.0.
IDC Error ellipse: s-maj=167.2km s-min=98.4km az=95.0.
ISC XII 12 13 53 01.7–2.2 20.5S–.40 177.6W–.30 533–14 3.5b 20 5-148
ISCJB XII 12 13 53 00.7–2.3 20.6S–.40 177.6W–.30 535–16 3.5b **¶12077134**
IDC XII 12 13 53 02.3–2.5 20.10S 177.92W 514–25 3.3,3.1b
NEIC XII 12 13 53 02.2–2.1 20.48S 177.65W 535–14 3.3b,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=68.6km s-min=13.7km az=148.2.
IDC Error ellipse: s-maj=61.5km s-min=17.4km az=143.0.
NEIC Event type se. Error ellipse: s-maj=57.3km s-min=16.3km az=149.0.
IDC XII 12 16 11 50.8–1.2 21.71S 177.38W 0 4.4L,4.2
¶12077145

IDC Error ellipse: s-maj=58.4km s-min=25.0km az=145.0.
ISC XII 12 19 02 23.3–.81 14.7S–.20 177.4W–.20 35 4.0b,3.7s 16 23-145
IDC XII 12 19 02 18.8–2.8 14.26S 177.55W 0 4.1,3.9 **¶12077167**
ISCJB XII 12 19 02 21.3–.81 14.7S–.20 177.4W–.20 33 4.0b,3.7s
NEIC XII 12 19 02 22.9–.73 14.77S 177.35W 35 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=146.8km s-min=25.0km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=36.7km s-min=18.1km az=142.9.
NEIC Event type se. Error ellipse: s-maj=35.6km s-min=17.3km az=143.0.
ISC XII 12 23 04 42.0–1.3 17.8S–.20 179.0W–.20 536–13 3.4b 18 3-147
IDC XII 12 23 04 36.4–8.8 17.56S 178.85W 468–104 3.4,3.2 **¶12077211**
ISCJB XII 12 23 04 41.3–1.3 17.8S–.20 179.0W–.20 540–14 3.4b,3.2
NEIC XII 12 23 04 41.8–1.1 17.78S 178.95W 535–11 3.4b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=24.8km az=16.0.
ISCJB Event type se. Error ellipse: s-maj=31.3km s-min=20.6km az=136.4.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=16.2km az=135.0.
ISC XII 13 00 05 09.2–2.2 20.4S–.30 178.1W–.20 489–21 3.7b 10 4-150
IDC XII 13 00 05 06.3–17 20.66S 177.88W 462–146 3.5,3.1b **¶12077218**
ISCJB XII 13 00 05 08.7–2.2 20.4S–.30 178.2W–.20 494–21 3.7b,3.1b
NEIC XII 13 00 05 09.0–2.1 20.35S 178.07W 490–18 4.2b,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=215.5km s-min=48.8km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=52.2km s-min=25.3km az=156.2.
NEIC Event type se. Error ellipse: s-maj=44.6km s-min=23.7km az=155.0.
IDC XII 13 02 31 47.6–4.9 20.19S 176.32W 0 3.9,3.7
¶12077231

IDC Error ellipse: s-maj=210.3km s-min=24.8km az=140.0.
ISC XII 13 06 22 03.3–1.4 18.8S–.10 176.53W–.09 264–16 4.0b 43 5-174
ISCJB XII 13 06 22 02.5–1.5 18.79S–.09 176.55W–.09 270–16 4.0b **¶12077246**
IDC XII 13 06 22 03.2–2.1 18.81S 176.49W 267–20 4.1,3.9b
NEIC XII 13 06 22 06.4–1.2 18.81S 176.43W 300–11 4.4b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=11.4km az=142.9.
IDC Error ellipse: s-maj=19.9km s-min=12.6km az=138.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.1km az=158.0.
ISC XII 13 17 28 55.7–4.4 19.58S–.09 177.6W–.20 265–43 3.5b 15 19-149
IDC XII 13 17 28 58.7–4.4 19.60S 177.62W 305–40 3.5,3.2b **¶12077317**
NEIC XII 13 17 29 04.3–5.2 19.84S 177.34W 384–55 3.8b,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=17.2km az=94.0.
NEIC Event type se. Error ellipse: s-maj=36.5km s-min=31.1km az=132.0.
IDC XII 13 17 55 31.0–6.3 19.39S 177.76W 0 3.9,3.6b
¶12077322

IDC Error ellipse: s-maj=309.7km s-min=52.8km az=147.0.
ISC XII 13 21 21 00.6–2.3 18.3S–.40 179.3W–.40 541–13 3.8b 21 3-148
ISCJB XII 13 21 21 00.4–2.3 18.2S–.40 179.4W–.40 545–13 3.8b **¶12077338**
NEIC XII 13 21 21 00.8–1.9 18.25S 179.30W 539–11 4.3b
IDC XII 13 21 21 09.1–7.7 18.56S 179.38W 655–91 3.4,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=79.7km s-min=21.4km az=140.1.
NEIC Event type se. Error ellipse: s-maj=61.7km s-min=16.3km az=142.0.
IDC Error ellipse: s-maj=67.8km s-min=40.8km az=128.0.
IDC XII 13 21 48 02.9–6.8 18.84S 177.68W 0 4.0,3.7b
¶12077342

IDC Error ellipse: s-maj=297.8km s-min=37.1km az=143.0.
IDC XII 14 01 37 03.0–14 19.41S 177.82W 528–194 3.2,2.9
¶12077369

IDC Error ellipse: s-maj=305.5km s-min=35.4km az=165.0.
IDC XII 15 00 25 58.1–9.5 16.53S 176.21W 0 3.7,3.5b
¶12077507

IDC Error ellipse: s-maj=406.2km s-min=64.7km az=140.0.
ISC XII 15 06 30 30.5–1.4 18.47S–.08 176.10W–.10 258–14 4.2b 55 6-174
ISCJB XII 15 06 30 29.1–1.4 18.40S–.07 176.15W–.09 256–13 4.2b **¶11538951**
NEIC XII 15 06 30 30.4–1.4 18.35S 176.16W 254–13 4.4b
IDC XII 15 06 30 31.2–2.1 18.43S 176.05W 266–19 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=9.4km az=32.4.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=9.9km az=143.0.
IDC Error ellipse: s-maj=18.2km s-min=10.7km az=140.0.
ISC XII 15 10 06 21.8–1.2 18.6S–.40 177.7W–.20 618–17 4.1b 27 7-86
ISCJB XII 15 10 06 21.3–1.2 18.7S–.40 177.7W–.20 631–18 4.1b **¶12077581**
IDC XII 15 10 06 21.7–2.0 18.58S 177.72W 617–24 3.4,3.2b
NEIC XII 15 10 06 21.8–1.1 18.62S 177.71W 620–13 3.4,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=64.0km s-min=14.4km az=149.5.
IDC Error ellipse: s-maj=82.2km s-min=15.3km az=153.0.
NEIC Event type se. Error ellipse: s-maj=52.3km s-min=10.8km az=154.0.
IDC XII 15 11 03 40.0–7.4 18.14S 177.09W 0 3.8s,3.8
¶12077592

IDC Error ellipse: s-maj=327.2km s-min=36.0km az=142.0.
IDC XII 15 16 37 28.3–3.4 20.82S 176.19W 0 3.7,3.5b
¶12077629

IDC Error ellipse: s-maj=200.6km s-min=52.1km az=154.0.
IDC XII 15 20 27 34.4–58 17.82S 175.57E 0 3.8,3.7b
¶12077656

IDC Error ellipse: s-maj=1020.0km s-min=145.7km az=76.0.
ISC XII 16 10 42 50.5–1.2 19.6S–.20 178.2W–.10 473–16 3.6b 29 4-149
ISCJB XII 16 10 42 49.9–1.2 19.6S–.20 178.2W–.10 477–16 3.6b **¶12077742**
IDC XII 16 10 42 50.6–1.9 19.41S 178.27W 475–21 3.6,3.3
NEIC XII 16 10 42 53.2–1.2 19.77S 177.97W 517–12 3.8b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.4km s-min=12.3km az=144.5.
IDC Error ellipse: s-maj=19.0km s-min=11.2km az=130.0.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=14.4km az=150.0.
IDC XII 16 16 02 41.1–6.5 18.96S 178.16W 0 4.0,3.7b
¶12077775

IDC Error ellipse: s-maj=279.7km s-min=38.4km az=144.0.
ISC XII 16 18 10 11.6–1.0 18.6S–.30 177.5W–.20 603–21 3.5b 16 4-149
ISCJB XII 16 18 10 10.9–1.0 18.7S–.30 177.5W–.20 607–22 3.5b **¶12077787**
NEIC XII 16 18 10 11.1–.85 18.61S 177.39W 603–12 4.0b
IDC XII 16 18 10 12.6–1.7 17.88S 178.08W 574–21 3.1,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=53.9km s-min=16.9km az=161.9.
NEIC Event type se. Error ellipse: s-maj=36.6km s-min=16.2km az=158.0.
IDC Error ellipse: s-maj=92.9km s-min=16.1km az=154.0.
ISC XII 16 22 15 04.4–1.0 18.39S–.09 177.54W–.09 391–9 4.4b 86 4-158

SZGRF XII 16 22 14 13.5 19.76S 178.21W 33 4.4b ¶11538952
IDC XII 16 22 14 59.3–1.9 18.46S 177.37W 343–18 4.4,4.2b
ISCJB XII 16 22 15 03.9–1.0 18.42S–.10 177.57W–.09 400–9 4.4b,4.2b
NEIC XII 16 22 15 03.0–.82 18.48S 177.45W 381–7 4.6b,4.2b
ISC Event type se.
SZGRF Fiji Islands region.
IDC Error ellipse: s-maj=16.1km s-min=9.2km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=8.0km az=139.8.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=5.8km az=141.0.
ISC XII 17 10 55 59.9–.08 17.86S–.02 178.37W–.02 532 5.3b 979 3-175
ISCJB XII 17 10 55 58.8–.08 17.86S–.02 178.40W–.02 530 5.3b ¶12077906
BJI XII 17 10 55 58.7 17.33S 178.05W 521 5.7b,5.6b
DJA XII 17 10 55 58 17.88S 178.40W 518 5.8b,5.6b
NEIC XII 17 10 55 59.7–.09 17.74S 178.37W 530 5.8W,5.8W
IDC XII 17 10 55 59.6–.50 17.78S 178.46W 525–5 5.0,5.0
NOU XII 17 10 55 59.5–.45 11.10S 174.48E 30–0 5.0,5.0
MOS XII 17 10 55 59.6–1.0 17.63S 178.41W 530 5.3b,4.2s
SZGRF XII 17 10 56 00.0 18.49S 178.24W 545 5.3b,4.2s
GCMT XII 17 10 56 02.6–.10 17.77S 178.30W 548–0 5.8W,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.1km az=149.4.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.0km az=145.0. Moment Tensor Solution. s56 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.44 $M_{\theta\theta}$3.75 $M_{\phi\phi}$-1.31 $M_{r\theta}$-3.71 $M_{\theta\phi}$1.66 $M_{\phi r}$-4.81 Best double couple: NP1:ϕ_s287.00000°,δ25.00000°,λ-27.00000°. NP2:ϕ_s42.00000° ,δ79.00000°,λ-113.00000°. Principal axes: T 7.2000,Plg30.0000°,Azm150.0000° ; N -0.1800,Plg22.0000°,Azm46.0000°; P -7.0100,Plg51.0000°,Azm286.0000° $M_0$7.10000×10^{17}
IDC Error ellipse: s-maj=9.0km s-min=6.7km az=160.0.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.5km s-min=6.9km az=56.7.
SZGRF Fiji Islands region.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s103,c208; s58,c62; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.76±.05 $M_{\theta\theta}$3.48±.08; $M_{\phi\phi}$-0.72±.09; $M_{r\theta}$-3.06±.08; $M_{\theta\phi}$1.39±.08; $M_{\phi r}$-4.54±.08; Best double couple: NP1:ϕ_s281.00000°,δ25.00000°,λ-33.00000°. NP2:ϕ_s41.00000°,δ77.00000°,λ-111.00000°. Principal axes: T 6.3100,Plg29.0000° ,Azm148.0000°; N 0.3400,Plg21.0000°,Azm46.0000°; P -6.6400,Plg53.0000°,Azm286.0000° $M_0$6.50000×10^{17}
IDC XII 17 14 34 26.5–2.2 16.67S 176.49W 0 3.8,3.7b
¶12077925
IDC Error ellipse: s-maj=171.8km s-min=32.0km az=153.0.
ISC XII 17 17 31 21.9–5.4 20.3S–.70 178.4W–.70 558–30 3.8b 14 4-150
IDC XII 17 17 31 15.5–11 20.28S 178.13W 485–100 3.5,3.3b ¶12077936
ISCJB XII 17 17 31 21.6–5.2 20.2S–.70 178.4W–.70 565–30 3.8b,3.3b
NEIC XII 17 17 31 21.9–3.2 20.32S 178.36W 554–19 4.2b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=135.7km s-min=44.9km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=143.0km s-min=29.0km az=139.3.
NEIC Event type se. Error ellipse: s-maj=82.8km s-min=14.6km az=141.0.
ISC XII 17 18 20 19.2–1.7 20.8S–.20 178.3W–.20 552–17 3.3b 13 5-143
IDC XII 17 18 20 14.9–8.3 20.57S 178.18W 508–91 3.1,2.9 ¶12077940
ISCJB XII 17 18 20 18.6–1.6 20.7S–.20 178.3W–.20 558–17 3.3b,2.9
NEIC XII 17 18 20 18.8–1.5 20.68S 178.21W 558–15 3.3b,2.9
ISC Event type se.
IDC Error ellipse: s-maj=45.4km s-min=26.2km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=32.1km s-min=26.0km az=168.7.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=22.9km az=93.0.
IDC XII 18 17 39 23.0–45 17.46S 176.99W 0 4.0,3.8b
¶12078074
IDC Error ellipse: s-maj=836.4km s-min=160.4km az=79.0.
ISC XII 19 10 43 30.6–4.6 19.9S–.60 179.1W–.50 535–27 3.4b 12 3-149
IDC XII 19 10 43 21.8–16 21.06S 178.08W 484–120 3.3,3.0b ¶12078199
NEIC XII 19 10 43 27.8–7.4 20.27S 178.74W 521–40 3.4b,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=294.5km s-min=40.7km az=141.0.
NEIC Event type se. Error ellipse: s-maj=200.6km s-min=16.9km az=143.0.
ISC XII 19 13 04 17.4–2.1 17.4S–.70 178.6W–.40 623–14 3.3b 14 3-86
ISCJB XII 19 13 04 16.7–2.2 17.5S–.70 178.6W–.40 632–15 3.3b ¶12078212
NEIC XII 19 13 04 17.2–1.6 17.43S 178.53W 622–11 3.6b
IDC XII 19 13 04 18.1–7.6 17.62S 178.45W 639–86 3.0,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=127.4km s-min=23.2km az=152.8.
NEIC Event type se. Error ellipse: s-maj=94.9km s-min=17.2km az=153.0.
IDC Error ellipse: s-maj=104.8km s-min=31.0km az=149.0.
IDC XII 19 14 51 35.4–6.9 18.93S 176.00W 0 3.9,3.6
¶12078219
IDC Error ellipse: s-maj=306.1km s-min=66.0km az=145.0.
ISC XII 20 16 09 16.2–1.5 19.0S–.20 177.5W–.20 612–13 4.0b 26 4-149
IDC XII 20 16 09 14.7–4.8 18.97S 177.46W 585–53 3.5,3.3b ¶12078348
ISCJB XII 20 16 09 15.4–1.5 19.0S–.20 177.5W–.20 622–13 4.0b,3.3b
NEIC XII 20 16 09 16.0–1.1 19.04S 177.52W 605–10 4.5b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=25.5km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=29.7km s-min=23.7km az=38.1.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=14.6km az=133.0.
IDC XII 20 17 21 16.9–53 19.12S 179.56W 0 4.1,3.9
¶12078359
IDC Error ellipse: s-maj=955.8km s-min=146.4km az=80.0.
ISC XII 20 21 18 01.8–1.2 20.4S–.10 177.5W–.10 495–12 4.0b 35 5-173
IDC XII 20 21 18 01.1–2.0 20.30S 177.58W 485–22 3.7,3.5b ¶12078385
NEIC XII 20 21 18 01.8–1.1 20.38S 177.50W 500–11 4.1b,3.5b
ISCJB XII 20 21 18 02.4–1.4 20.4S–.10 177.7W–.10 509–14 4.0b,3.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 20 21 38 14.3–.90 15.6S–.10 178.3W–.10 434–11 3.8b 34 4-152
ISCJB XII 20 21 38 13.3–.91 15.6S–.10 178.3W–.10 438–11 3.8b ¶12078389
IDC XII 20 21 38 13.1–1.7 15.59S 178.28W 420–19 3.7,3.5b
NEIC XII 20 21 38 14.2–.91 15.64S 178.25W 436–11 4.0b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=12.0km az=148.3.
IDC Error ellipse: s-maj=23.0km s-min=11.1km az=145.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=10.8km az=150.0.
IDC XII 21 00 50 35.2–11 18.13S 177.79W 578–104 3.4,3.0b
¶12078400
IDC Error ellipse: s-maj=174.1km s-min=32.4km az=137.0.
ISC XII 21 12 37 50.4–1.3 20.6S–.20 178.0W–.20 517–25 3.7b 21 9-150
ISCJB XII 21 12 37 50.0–1.4 20.6S–.20 178.2W–.20 519–27 3.7b ¶12078457
IDC XII 21 12 37 50.6–1.9 20.62S 177.98W 524–22 3.5,3.3
NEIC XII 21 12 37 50.8–1.2 20.69S 177.92W 532–15 4.2b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.5km s-min=15.7km az=36.4.
IDC Error ellipse: s-maj=32.0km s-min=15.3km az=140.0.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=13.9km az=139.0.
NEIC XII 21 14 18 46.6–1.3 17.61S 177.95W 493–11 3.4b
IDC XII 21 14 18 44.5–2.1 17.05S 178.45W 430–39 3.5,3.4b ¶12078467
NEIC Event type se. Error ellipse: s-maj=86.4km s-min=15.1km az=156.0.
IDC Error ellipse: s-maj=112.7km s-min=19.9km az=148.0.
ISC XII 21 15 51 06.8–.75 20.32S–.05 177.82W–.06 552–8 4.7b 152 5-173
ISCJB XII 21 15 51 06.3–.77 20.38S–.04 177.86W–.06 560–9 4.7b ¶11517287
DJA XII 21 15 51 06 20.16S 177.87W 543 5.0b
BJI XII 21 15 51 06.0 20.23S 176.87W 590 5.0b,4.6b
NEIC XII 21 15 51 06.4–.61 20.26S 177.78W 551–7 4.7b,4.6b
IDC XII 21 15 51 07.8–1.5 20.44S 177.79W 568–16 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.7km az=10.2.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.8km az=137.0.
IDC Error ellipse: s-maj=12.5km s-min=8.8km az=136.0.
IDC XII 21 17 55 00.7–65 20.59S 176.60W 0 3.8,3.6b
¶12078482
IDC Error ellipse: s-maj=1194.0km s-min=168.0km az=84.0.
ISC XII 22 11 07 44.6–.91 19.0S–.10 177.5W–.10 541–10 3.7b 34 4-151
ISCJB XII 22 11 07 43.8–.91 19.0S–.10 177.5W–.10 543–11 3.7b ¶12078552
IDC XII 22 11 07 44.3–1.7 18.78S 177.66W 530–17 3.5,3.4
NEIC XII 22 11 07 45.4–.88 18.95S 177.56W 551–8 4.5b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=10.6km az=148.9.
IDC Error ellipse: s-maj=48.8km s-min=11.3km az=149.0.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=9.7km az=149.0.
ISC XII 22 23 52 58.3–1.0 15.4S–.10 177.8W–.10 454–11 3.7b 25 5-143
ISCJB XII 22 23 52 57.5–1.1 15.4S–.10 177.8W–.10 460–11 3.7b ¶12078607
NEIC XII 22 23 52 57.7–.79 15.41S 177.78W 448–8 3.3b
IDC XII 22 23 52 59.2–11 15.38S 177.81W 463–131 3.7,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=13.6km az=33.6.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.6km az=124.0.
IDC Error ellipse: s-maj=84.7km s-min=31.5km az=154.0.
ISC XII 23 04 21 20.3–1.5 21.0S–.10 178.2W–.20 504–14 3.6b 26 5-153
VIE XII 23 04 20 47.0 20.14S 177.90W 150 3.6b ¶12078623
IDC XII 23 04 21 15.5–2.0 20.67S 178.20W 445–21 3.7,3.5
NEIC XII 23 04 21 19.8–1.6 20.92S 178.20W 501–15 3.7,3.5
ISCJB XII 23 04 21 20.1–1.4 20.9S–.10 178.3W–.20 510–14 3.6b,3.5
ISC Event type se.
VIE 300 km WNW of Nuku'alofa .
NEIC Event type se.
ISCJB Event type se.
ISC XII 23 10 55 38.2–.80 17.6S–.10 178.9W–.10 512–9 3.9b 40 3-153
ISCJB XII 23 10 55 37.2–.82 17.7S–.10 178.9W–.10 515–9 3.9b ¶11539012
NEIC XII 23 10 55 38.0–.64 17.63S 178.88W 513–7 4.2b
IDC XII 23 10 55 38.9–1.7 17.67S 178.95W 520–20 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=11.4km az=146.2.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=8.6km az=146.0.
IDC Error ellipse: s-maj=23.0km s-min=10.7km az=145.0.
IDC XII 23 15 52 59.0–7.2 19.56S 179.41W 0 3.9,3.6
¶12078690
IDC Error ellipse: s-maj=291.7km s-min=68.6km az=144.0.
NEIC XII 23 17 24 19.4–1.3 18.15S 178.08W 400 3.2b
IDC XII 23 17 24 14.1–23 18.83S 177.64W 355–242 3.5,3.3b ¶12078699
NEIC Event type se. Error ellipse: s-maj=65.5km s-min=17.9km az=149.0.
IDC Error ellipse: s-maj=91.8km s-min=51.6km az=162.0.
IDC XII 24 03 22 36.9–3.5 17.79S 178.59W 614–42 3.5,3.2b
¶12078759
IDC Error ellipse: s-maj=82.3km s-min=23.9km az=149.0.
ISC XII 24 08 10 15.5–.89 16.5S–.40 178.4W–.30 35 4.2b 13 31-86
IDC XII 24 08 10 09.8–1.4 16.54S 178.36W 0 4.5,4.1b ¶12078788
ISCJB XII 24 08 10 13.6–.88 16.6S–.40 178.3W–.30 33 4.2b,4.1b
ISC XII 24 12 02 11.5–.77 16.0S–.20 177.3W–.10 413–11 3.6b 26 5-149
IDC XII 24 12 02 10.5–1.7 15.91S 177.40W 404–20 3.7,3.4b ¶12078812
ISCJB XII 24 12 02 11.0–.73 16.0S–.20 177.4W–.10 421–10 3.6b,3.4b
NEIC XII 24 12 02 11.4–.95 15.97S 177.32W 418–11 3.6b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=12.4km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=33.9km s-min=10.4km az=148.8.
NEIC Event type se. Error ellipse: s-maj=31.8km s-min=12.4km az=149.0.
ISC XII 24 20 51 55.2–1.5 20.0S–.50 177.8W–.30 500 3.5b 14 34-150
ISCJB XII 24 20 51 54.4–1.5 20.0S–.50 177.8W–.30 500 3.5b ¶12078852
IDC XII 24 20 51 59.2–6.8 20.28S 177.71W 555–74 3.3,3.1
NEIC XII 24 20 52 00.3–4.4 20.26S 177.76W 568–47 3.8b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=75.8km s-min=19.1km az=153.1.
IDC Error ellipse: s-maj=83.5km s-min=35.4km az=157.0.
NEIC Event type se. Error ellipse: s-maj=62.8km s-min=26.8km az=158.0.
ISC XII 25 00 10 50.6–1.6 18.35S–.03 176.76E–.03 26–11 5.5b,5.2s 684 1-173
ISCJB XII 25 00 10 47.2–1.7 18.34S–.03 176.72E–.03 14–10 5.5b,5.2s ¶11519111
NEIC XII 25 00 10 47.8–.13 18.34S 176.78E 10 5.5b,5.5W
BJI XII 25 00 10 48.0 18.12S 177.37E 28 5.4b,5.3s
MOS XII 25 00 10 50.2–1.3 18.36S 176.72E 33 5.5b,5.1s
GCMT XII 25 00 10 52.2–.10 18.31S 176.71E 12 5.5W,5.1s
IDC XII 25 00 10 53.8–2.6 18.39S 176.72E 55–23 5.0,5.0
DJA XII 25 00 11 02 18.69S 175.18E 10 5.7b,5.0
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.9km az=150.4.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.6km az=141.0. Felt at Nandi. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}0.54 $M_{\theta\theta}$-1.65 $M_{\phi\phi}$1.12 $M_{r\theta}$-0.39 $M_{\theta\phi}$-0.82 $M_{\phi r}$0.93 Best double couple: NP1:ϕ_s294.00000°,δ69.00000°,λ152.00000°. NP2: ϕ_s35.00000°,δ64.00000°,λ23.00000°. Principal axes: T 2.0200,Plg34.0000°,Azm253.0000° ; N -0.1300,Plg55.0000°,Azm80.0000°; P -1.8800,Plg3.0000°,Azm345.0000° $M_0$2.00000×10^{17}
MOS Error ellipse: s-maj=8.4km s-min=7.4km az=137.4.
GCMT Event type se. Data Used: II IU IC G GE CU. Surface waves: sta=101, comp=194, per= 50. Moment Tensor Solution. s83,c149; s37,c40; Moment tensor: Scale 10^{17}Nm; M_{rr}0.16±.03 $M_{\theta\theta}$-2.13±.03; $M_{\phi\phi}$1.96±.03; $M_{r\theta}$0.01±.07; $M_{\theta\phi}$-1.10±.02; $M_{\phi r}$0.42±.07; Best double couple: NP1:ϕ_s300.00000°,δ81.00000°,λ174.00000°. NP2:ϕ_s31.00000°,δ84.00000°,λ9.00000°. Principal axes: T 2.3100,Plg11.0000°,Azm256.0000°; N 0.0900,Plg79.0000°,Azm63.0000° ; P -2.4100,Plg2.0000°,Azm166.0000° $M_0$2.40000×10^{17}
IDC Error ellipse: s-maj=12.1km s-min=11.4km az=170.0.
ISC XII 25 06 40 58.2–.96 17.5S–.20 178.7W–.20 561–12 3.7b 28 3-150
IDC XII 25 06 40 56.9–2.0 17.14S 178.98W 532–25 3.6,3.4 ¶12078889
ISCJB XII 25 06 40 57.8–.94 17.6S–.20 178.7W–.20 572–11 3.8b,3.4
NEIC XII 25 06 40 58.4–1.0 17.51S 178.72W 564–10 4.9b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=14.2km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=41.5km s-min=12.0km az=148.2.
NEIC Event type se. Error ellipse: s-maj=53.8km s-min=13.0km az=154.0.
IDC XII 25 23 48 22.7–7.6 17.23S 177.40W 0 4.0,3.8s
¶12078976
IDC Error ellipse: s-maj=334.5km s-min=38.9km az=142.0.
ISC XII 26 03 04 18.6–2.2 21.3S–.20 178.0W–.20 418–19 4.0b 39 5-172
ISCJB XII 26 03 04 17.5–2.2 21.3S–.20 178.0W–.20 419–18 4.0b ¶12078988
IDC XII 26 03 04 17.9–4.7 20.75S 178.19W 400–46 3.8,3.6
NEIC XII 26 03 04 20.8–1.6 20.94S 178.20W 436–13 4.5b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=38.7km s-min=14.3km az=144.1.
IDC Error ellipse: s-maj=23.2km s-min=20.3km az=160.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=12.0km az=147.0.
IDC XII 26 07 52 11.8–1.9 17.88S 177.31W 0 4.4,4.1b
¶12079018
IDC Error ellipse: s-maj=140.9km s-min=32.0km az=156.0.
IDC XII 26 19 39 15.9–58 16.79S 177.49W 0 4.2,4.0b
¶12079091
IDC Error ellipse: s-maj=1064.0km s-min=165.4km az=78.0.
ISC XII 26 21 48 41.6–.67 17.65S–.07 179.00W–.08 535–6 4.3b 80 3-175
IDC XII 26 21 48 40.0–1.6 17.64S 178.93W 515–16 3.8,3.8 ¶11523417
ISCJB XII 26 21 48 41.3–.64 17.68S–.07 179.05W–.07 545–6 4.3b,3.8
NEIC XII 26 21 48 41.5–.62 17.63S 178.96W 538–6 4.5b,3.8
BJI XII 26 21 48 41.8 17.60S 178.80W 543 5.1b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=12.2km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=8.9km az=139.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.4km az=134.0.
IDC XII 27 04 27 43.1–2.2 16.48S 178.78W 0 4.3,4.0b
¶12079131
IDC Error ellipse: s-maj=124.4km s-min=24.3km az=144.0.
IDC XII 27 15 12 06.4–65 20.93S 179.73W 0 4.1,4.0
¶12079180
IDC Error ellipse: s-maj=1168.0km s-min=156.7km az=83.0.
NEIC XII 27 18 05 57.8–2.1 18.25S 178.43W 500 3.0b
IDC XII 27 18 05 53.8–10 18.19S 178.28W 452–104 3.5,3.3b ¶12079199
NEIC Event type se. Error ellipse: s-maj=101.0km s-min=18.2km az=144.0.
IDC Error ellipse: s-maj=112.3km s-min=47.3km az=136.0.
ISC XII 27 20 22 41.6–2.4 20.4S–.40 178.9W–.30 612–18 3.3b 14 4-148
IDC XII 27 20 22 36.2–9.9 20.31S 178.74W 544–116 3.2,3.1 ¶12079208

ISCJB XII 27 20 22 40.9–2.4 20.4S–.40 179.0W–.30 620–19 3.3b,3.1
NEIC XII 27 20 22 41.3–2.0 20.44S 178.88W 610–14 3.8b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=65.0km s-min=35.9km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=71.7km s-min=22.3km az=152.1.
NEIC Event type se. Event type se. Error ellipse: s-maj=56.5km s-min=17.6km az=152.0.
ISC XII 27 21 21 09.4–1.3 20.4S–.10 177.9W–.10 531–13 4.2b 49 5-173
SZGRF XII 27 21 20 08.8 22.32S 178.84W 33 4.2b **¶12079216**
ISCJB XII 27 21 21 08.9–1.3 20.4S–.10 177.9W–.10 536–13 4.2b
NEIC XII 27 21 21 09.2–.99 20.42S 177.84W 534–9 4.5b
IDC XII 27 21 21 11.6–2.9 20.62S 177.87W 561–31 3.9,3.9
ISC Event type se.
SZGRF South of Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=12.8km az=139.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.2km az=143.0.
IDC Error ellipse: s-maj=18.2km s-min=12.2km az=112.0.
ISC XII 28 02 45 25.0–1.2 20.1S–.10 178.1W–.10 520–11 3.8b 27 4-150
IDC XII 28 02 45 24.0–2.5 20.09S 178.12W 515–26 3.5,3.3 **¶12079231**
ISCJB XII 28 02 45 24.7–1.2 20.03S–.10 178.2W–.10 525–12 3.8b,3.3
NEIC XII 28 02 45 24.9–1.4 20.12S 178.08W 532–12 4.1b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=12.0km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=13.9km az=30.6.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=16.0km az=139.0.
ISC XII 28 16 21 43.5–1.8 20.3S–.20 177.6W–.20 559–15 3.7b 20 5-150
IDC XII 28 16 21 41.6–6.8 20.18S 177.58W 533–75 3.4,3.2b **¶12079284**
ISCJB XII 28 16 21 43.1–1.8 20.2S–.20 177.7W–.20 563–15 3.7b,3.2b
NEIC XII 28 16 21 43.2–1.9 20.24S 177.52W 562–16 3.8b,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=35.1km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=33.9km s-min=22.9km az=17.0.
NEIC Event type se. Error ellipse: s-maj=32.2km s-min=21.3km az=122.0.
IDC XII 28 21 57 14.0–7.3 19.62S 176.95W 0 3.5,3.3
¶12079297
IDC Error ellipse: s-maj=368.9km s-min=108.7km az=154.0.
ISC XII 28 23 59 39.5–1.1 17.97S–.10 178.6W–.10 588–12 4.2b 44 3-148
IDC XII 28 23 59 37.0–3.9 18.04S 178.44W 561–47 3.7,3.5b **¶12079301**
ISCJB XII 28 23 59 38.7–1.1 18.0S–.10 178.6W–.10 593–13 4.2b,3.5b
NEIC XII 28 23 59 39.3–.94 17.99S 178.55W 588–10 4.3b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=18.4km az=8.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=15.3km az=136.8.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.4km az=105.0.
IDC XII 29 01 58 07.4–9.8 19.06S 177.81W 568–90 3.0,2.8b
¶12079333
IDC Error ellipse: s-maj=122.5km s-min=44.1km az=131.0.
IDC XII 29 13 58 34.1–59 16.43S 177.44W 0 4.2,4.1
¶12079405
IDC Error ellipse: s-maj=1084.0km s-min=167.4km az=78.0.
IDC XII 29 21 14 13.2–8.1 19.51S 176.81W 0 4.1,3.9b
¶12079452
IDC Error ellipse: s-maj=223.3km s-min=74.8km az=125.0.
IDC XII 29 21 29 48.2–5.1 15.99S 176.05W 0 4.3,4.2b
¶12079454
IDC Error ellipse: s-maj=148.1km s-min=100.0km az=153.0.
ISC XII 30 02 21 56.4–2.9 20.3S–.10 178.0W–.10 527–34 4.0b 45 18-173
ISCJB XII 30 02 21 55.3–2.8 20.3S–.10 178.1W–.10 525–34 4.0b **¶12079479**
IDC XII 30 02 21 58.3–2.4 20.40S 177.96W 556–27 3.7,3.6
NEIC XII 30 02 22 01.1–2.3 20.57S 177.96W 595–26 4.2b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=14.7km az=163.5.
IDC Error ellipse: s-maj=18.7km s-min=13.1km az=153.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=16.1km az=185.0.
IDC XII 30 04 52 56.8–9.2 17.11S 179.03W 510–109 3.2,3.0
¶12079491
IDC Error ellipse: s-maj=94.7km s-min=30.9km az=157.0.
ISC XII 30 04 53 14.8–1.5 17.4S–.40 179.0W–.20 568–13 3.6b 18 3-147
IDC XII 30 04 53 12.3–7.6 17.38S 178.91W 538–86 3.4,3.2b **¶12079492**
ISCJB XII 30 04 53 14.0–1.5 17.4S–.40 179.0W–.20 573–14 3.7b,3.2b
NEIC XII 30 04 53 14.5–1.1 17.43S 178.97W 567–9 3.7b,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=54.7km s-min=31.3km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=68.1km s-min=19.3km az=153.2.
NEIC Event type se. Error ellipse: s-maj=45.3km s-min=13.0km az=153.0.
ISC XII 30 05 26 54.7–1.1 17.6S–.10 178.4W–.10 586–12 4.1b 46 3-152
ISCJB XII 30 05 26 54.0–1.1 17.6S–.10 178.5W–.10 593–12 4.1b **¶11526730**
NEIC XII 30 05 26 54.4–.95 17.59S 178.38W 588–9 4.4b
IDC XII 30 05 26 55.9–2.8 17.64S 178.38W 604–30 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=12.4km az=144.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=10.0km az=145.0.
IDC Error ellipse: s-maj=32.3km s-min=13.2km az=149.0.
NEIC XII 30 20 29 19.1–1.1 21.65S 176.54W 100 4.5b
IDC XII 30 20 29 07.2–3.1 21.11S 176.64W 0 3.9,3.7b **¶12079589**
NEIC Event type se. Event type se. Error ellipse: s-maj=27.7km s-min=21.1km az=112.0.
IDC Error ellipse: s-maj=161.0km s-min=36.9km az=150.0.
IDC XII 30 22 14 09.9–48 16.51S 179.22W 0 4.3,4.1b
¶12079601
IDC Error ellipse: s-maj=881.4km s-min=146.5km az=77.0.
ISC XII 31 06 31 38.0–1.3 20.2S–.20 178.4W–.20 605–14 3.5b 19 4-150
IDC XII 31 06 31 36.8–6.7 20.06S 178.38W 591–86 3.4,3.2 **¶12079631**
ISCJB XII 31 06 31 37.3–1.3 20.2S–.20 178.5W–.20 613–15 3.5b,3.2
NEIC XII 31 06 31 37.9–1.1 20.15S 178.42W 607–11 3.7b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=24.8km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=28.4km s-min=19.1km az=140.5.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=14.5km az=140.0.
IDC XII 31 14 51 37.8–59 16.53S 177.33W 0 4.0,3.8b
¶12079665
IDC Error ellipse: s-maj=1100.0km s-min=162.6km az=78.0.
IDC XII 31 17 24 17.8–7.2 18.82S 176.35W 0 3.6,3.5
¶12079679
IDC Error ellipse: s-maj=307.8km s-min=114.8km az=152.0.

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IDC VII 05 18 36 36.3–63 16.85S 178.57E 0 4.1,3.9b
¶12698027
IDC Error ellipse: s-maj=1121.0km s-min=144.5km az=76.0.
IDC VII 11 14 17 00.4–55 17.00S 179.71E 0 4.2,4.0b
¶12698138
IDC Error ellipse: s-maj=986.8km s-min=150.0km az=77.0.
ISC VIII 02 15 34 26.7–.17 16.40S–.05 178.24E–.04 35 4.9b,4.8s 305 1-175
IDC VIII 02 15 34 21.2–.52 16.34S 178.23E 0 4.7s,4.7 **¶11154105**
NEIC VIII 02 15 34 22.8–.18 16.31S 178.16E 10 5.5W,5.5W
SZGRF VIII 02 15 34 23.5 16.94S 177.93E 33 5.5W,5.5W
ISCJB VIII 02 15 34 24.8–.17 16.39S–.05 178.18E–.04 33 4.9b,4.8s
MOS VIII 02 15 34 25.7–1.0 16.05S 177.96E 33 5.1b,4.8s
BJI VIII 02 15 34 25.4 16.39S 178.17E 31 5.2b,5.0s
GCMT VIII 02 15 34 27.8–.10 16.26S 178.22E 17–0 5.5W,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=13.2km az=146.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.1km az=141.0. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}0.10 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$0.56 $M_{r\theta}$-0.07 $M_{\theta\phi}$2.46 $M_{\phi r}$0.46 Best double couple: NP1:ϕ_s353.00000°,δ90.00000°,λ170.00000°. NP2:ϕ_s83.00000°,δ80.00000°,λ0.00000°. Principal axes: T 2.5300,Plg7.0000°,Azm307.0000° ; N 0.1000,Plg79.0000°,Azm171.0000°; P -2.6200,Plg7.0000°,Azm38.0000° M_o2.60000×10^{17}
SZGRF Fiji Islands.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.7km az=146.4.
MOS Error ellipse: s-maj=12.7km s-min=9.6km az=154.7.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=218, per= 50. Moment Tensor Solution. s80,c145; s33,c35; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.20±.03 $M_{\theta\theta}$-0.91±.03; $M_{\phi\phi}$1.11±.03; $M_{r\theta}$0.00±.06; $M_{\theta\phi}$1.58±.02; $M_{\phi r}$-0.31±.06; Best double couple: NP1:ϕ_s254.00000°,δ81.00000°,λ1.00000°. NP2:ϕ_s164.00000°,δ89.00000°,λ171.00000°. Principal axes: T 2.0100,Plg7.0000°,Azm118.0000°; N -0.2200,Plg81.0000°,Azm337.0000° ; P -1.7900,Plg5.0000°,Azm209.0000° M_o1.90000×10^{17}
IDC VIII 29 12 33 16.4–6.4 17.98S 179.72E 0 3.8,3.6
¶12581545
IDC Error ellipse: s-maj=262.7km s-min=36.9km az=143.0.
IDC IX 06 16 53 37.4–2.2 15.36S 178.38E 0 4.0,3.8
¶11909618
IDC Error ellipse: s-maj=111.1km s-min=25.9km az=144.0.
IDC IX 06 20 54 23.4–30 16.74S 179.86E 0 4.2,4.1b
¶11909635
IDC Error ellipse: s-maj=555.6km s-min=140.4km az=82.0.
ISC IX 08 19 51 44.9–.52 17.66S–.04 179.58E–.03 602–6 5.1b 587 1-175
DJA IX 08 19 50 25 18.49S 175.81W 50 6.3W **¶11245873**
SZGRF IX 08 19 50 35.7 19.53S 179.47W 33 6.3W
ISCJB IX 08 19 51 43.5–.65 17.68S–.05 179.57E–.03 601–8 5.1b
MOS IX 08 19 51 43.8–1.2 17.54S 179.65E 602 5.3b
IDC IX 08 19 51 44.1–.90 17.65S 179.62E 597–10 4.6,4.6
NEIC IX 08 19 51 44.7–.46 17.58S 179.61E 606–5 5.2b,4.6
BJI IX 08 19 51 45.9 16.98S 179.67E 605 5.4b,4.7b
ISC Event type se.
SZGRF Fiji Islands region.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.3km az=156.1.
MOS Error ellipse: s-maj=11.5km s-min=9.2km az=45.1.
IDC Error ellipse: s-maj=10.9km s-min=7.6km az=147.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.1km az=145.0.
ISC IX 17 17 20 44.1–.96 16.3S–.20 178.4E–.20 35 3.8b,3.5s 8 1-145
IDC IX 17 17 20 40.7–1.7 14.89S 177.68E 0 4.3,4.0 **¶11322789**
ISCJB IX 17 17 20 42.5–.94 16.2S–.20 178.4E–.20 33 3.8b,3.5s
NEIC IX 17 17 20 43.5–.74 16.29S 178.38E 35 3.8b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=121.0km s-min=21.7km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=17.2km az=34.1.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=15.0km az=121.0.
IDC X 20 23 47 26.8–1.9 16.20S 177.78E 0 4.3,4.1
¶12069176
IDC Error ellipse: s-maj=102.3km s-min=22.6km az=147.0.
IDC X 28 06 14 38.3–2.2 18.45S 179.10E 0 4.3,4.2
¶12071308
IDC Error ellipse: s-maj=154.7km s-min=32.6km az=157.0.
IDC XII 08 23 02 29.2–53 17.25S 179.26E 0 4.1,3.9b
¶12076436
IDC Error ellipse: s-maj=961.6km s-min=149.5km az=77.0.
ISC XII 21 04 07 55.2–.46 16.12S–.07 178.1E–.10 35 4.3b,3.9s 29 2-150
IDC XII 21 04 07 49.4–.87 16.12S 178.15E 0 4.4,4.3 **¶11593872**
NEIC XII 21 04 07 51.0–.44 16.20S 178.18E 10 4.5b,4.3
ISCJB XII 21 04 07 53.4–.46 16.10S–.07 178.1E–.10 33 4.3b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 21 13 21 51.0–.28 16.34S–.07 178.22E–.07 35 4.9b,4.4s 86 1-175
BJI XII 21 13 21 41.4 16.54S 179.11E 10 5.3s,5.3b **¶11517279**
IDC XII 21 13 21 45.9–.63 16.08S 178.18E 0 4.6,4.5
NEIC XII 21 13 21 47.0–.19 16.26S 178.18E 10 5.1b,4.5
ISCJB XII 21 13 21 49.2–.27 16.31S–.07 178.17E–.07 33 4.9b,4.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 24 19 09 43.6–1.6 15.89S 177.61E 0 4.1,3.8b
¶11613273
IDC Error ellipse: s-maj=103.0km s-min=27.4km az=147.0.

SEISMIC REGION 14.
Vanuatu (New Hebrides).

(183) Santa Cruz Islands region.

ISC VII 15 06 47 06.3–.59 12.84S–.10 169.4E–.10 600 4.0b 21 26-145
ISCJB VII 15 06 47 05.0–.59 12.87S–.10 169.5E–.10 600 4.0b **¶11811633**
IDC VII 15 06 47 08.2–2.4 12.88S 169.41E 626–30 3.5,3.4
NEIC VII 15 06 47 09.5–4.0 12.96S 169.39E 646–53 4.3b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=12.5km az=21.5.
IDC Error ellipse: s-maj=20.4km s-min=18.4km az=26.0.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=13.7km az=199.0.
ISC VII 19 09 27 04.6–.87 11.07S–.02 164.53E–.02 29–6 6.4s,6.0b 1114 5-171
ISCJB VII 19 09 27 00.8–.83 11.06S–.02 164.47E–.02 14–5 6.4s,6.0b **¶13389567**
NEIC VII 19 09 27 01.5–.08 11.04S 164.49E 11 6.6W,6.6W
BJI VII 19 09 27 02.2 10.91S 164.89E 33 6.8b,6.6s
SZGRF VII 19 09 27 03.1 10.79S 165.25E 33 6.7b,6.6s
MOS VII 19 09 27 03.5–.79 11.00S 164.41E 33 6.4s,6.3b
DJA VII 19 09 27 04 11.09S 164.39E 10 6.8W,6.3b
IDC VII 19 09 27 05.0–1.5 11.10S 164.48E 32–10 6.2s,6.2
GCMT VII 19 09 27 07.6–.00 11.12S 164.47E 14–0 6.6W,6.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=171.8.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.9km az=154.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s59 Moment tensor: Scale 10^{18}Nm; M_{rr}-6.84 $M_{\theta\theta}$3.28 $M_{\phi\phi}$3.56 $M_{r\theta}$0.42 $M_{\theta\phi}$3.69 $M_{\phi r}$5.24 Best double couple: NP1:ϕ_s203.00000°,δ63.00000°,λ-110.00000°. NP2:ϕ_s62.00000°,δ33.00000°,λ-56.00000°. Principal axes: T 8.3100,Plg16.0000°,Azm307.0000° ; N 0.8100,Plg17.0000°,Azm212.0000°; P -9.1100,Plg65.0000°,Azm77.0000° M_o8.70000×10^{18} Moment Tensor Solution. M_o2.40000×10^{19}
SZGRF Santa Cruz Islands.
MOS Error ellipse: s-maj=6.4km s-min=6.1km az=145.0.
IDC Error ellipse: s-maj=8.5km s-min=8.0km az=51.0.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 109 sta. Surface waves: sta=119, comp=305, per= 50. Moment Tensor Solution. s116,c283; s99,c231; Moment tensor: Scale 10^{18}Nm; M_{rr}-8.48±.04 $M_{\theta\theta}$3.35±.03; $M_{\phi\phi}$5.12±.04; $M_{r\theta}$-1.06±.09; $M_{\theta\phi}$4.96±.03; $M_{\phi r}$1.57±.09; Best double couple: NP1:ϕ_s52.00000°,δ45.00000° ,λ-72.00000°. NP2:ϕ_s208.00000°,δ48.00000°,λ-107.00000°. Principal axes: T 9.2900,Plg2.0000°,Azm310.0000°; N -0.3900,Plg13.0000°,Azm219.0000° ; P -8.9000,Plg77.0000°,Azm47.0000° M_o9.10000×10^{18}
ISC VII 19 09 34 30.6–.14 11.13S–.03 164.57E–.03 35 5.8s,5.2b 280 5-150
IDC VII 19 09 34 25.0–.48 11.05S 164.63E 0 5.1,5.1 **¶11133672**
NEIC VII 19 09 34 26.8–.17 11.04S 164.53E 10 5.5b,5.1
MOS VII 19 09 34 27.9–.71 11.04S 164.57E 33 5.7b,5.1
ISCJB VII 19 09 34 28.8–.16 11.08S–.04 164.50E–.03 33 5.8s,5.2b
BJI VII 19 09 34 30.9 10.45S 164.41E 25 5.9s,5.9b
DJA VII 19 09 34 40 11.06S 164.20E 104 5.3b,5.9b
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=13.4km az=108.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.8km az=145.0.
MOS Error ellipse: s-maj=22.7km s-min=16.3km az=170.6.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.9km az=164.4.
IDC VII 19 09 41 05.9–1.3 11.03S 164.51E 0 4.6L,4.3
¶12698312
IDC Error ellipse: s-maj=32.9km s-min=28.2km az=173.0.
ISC VII 19 09 44 41.8–4.3 11.2S–.20 164.4E–.20 53–36 4.1b 11 5-87
IDC VII 19 09 44 34.2–1.0 11.17S 164.52E 0 5.0L,4.4 **¶12698313**
ISCJB VII 19 09 44 40.9–4.7 11.1S–.20 164.4E–.20 59–39 4.1b,4.4
ISC VII 19 09 46 40.4–4.8 11.1S–.20 164.6E–.20 64–39 4.0b 9 5-84
IDC VII 19 09 46 31.1–1.8 11.18S 164.79E 0 4.8s,4.8 **¶12698314**
ISCJB VII 19 09 46 39.9–5.2 11.0S–.20 164.6E–.20 75–42 3.9b,4.8
ISC VII 19 10 35 40.7–5.4 11.2S–.10 164.52E–.08 21–40 4.4b 18 5-163
IDC VII 19 10 35 37.3–1.4 11.31S 164.55E 0 4.5,4.3L **¶11812047**
NEIC VII 19 10 35 38.9–.63 11.24S 164.60E 10 5.0b,4.3L
ISCJB VII 19 10 35 39.9–5.5 11.2S–.10 164.46E–.08 28–40 4.3b,4.3L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC VII 19 10 40 44.8–1.8 11.34S–.08 164.5E–.10 35–16 4.2b 18 5-163
IDC VII 19 10 40 38.8–1.3 11.39S 164.66E 0 5.1L,4.4 ¶11812049
NEIC VII 19 10 40 40.9–.84 11.24S 164.66E 10 4.6b,4.4
ISCJB VII 19 10 40 42.8–.69 11.30S–.09 164.49E–.08 33 4.2b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 19 10 51 54.3–2.3 10.82S 164.18E 0 4.1,3.9b
¶12698319
IDC Error ellipse: s-maj=86.9km s-min=23.0km az=124.0.
ISC VII 19 11 01 19.6–1.1 11.16S–.03 164.63E–.02 25–7 5.9s,5.7b 720 5-171
ISCJB VII 19 11 01 14.9–1.1 11.15S–.03 164.58E–.02 5–7 5.9s,5.7b ¶12951470
NOU VII 19 11 01 14.9–.94 10.64S 165.03E 30–0 5.9s,5.7b
IDC VII 19 11 01 15.3–.31 11.05S 164.57E 0 5.8s,5.8
NEIC VII 19 11 01 17.7–.15 11.07S 164.62E 10 6.2W,6.2W
BJI VII 19 11 01 17.0 10.97S 165.60E 41 6.2s,6.2b
DJA VII 19 11 01 19 11.38S 164.68E 30 5.7b,6.2b
MOS VII 19 11 01 20.6–1.4 10.92S 164.44E 33 6.0s,5.8b
GCMT VII 19 11 01 23.7–.10 11.18S 164.45E 12 6.2W,5.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.2km az=172.1.
NOU Error ellipse: s-maj=18.5km s-min=176.7km az=-1.0.
IDC Error ellipse: s-maj=10.2km s-min=9.0km az=136.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=5.1km az=156.0. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.09 $M_{\theta\theta}$1.13 $M_{\phi\phi}$0.96 $M_{r\theta}$0.45 $M_{\theta\phi}$0.58 $M_{\phi r}$2.17 Best double couple: NP1:ϕ_s202.00000°,δ70.00000°,λ-102.00000°. NP2:ϕ_s54.00000°,δ23.00000°,λ-60.00000°. Principal axes: T 2.4700,Plg24.0000°,Azm301.0000° ; N 0.7500,Plg11.0000°,Azm206.0000°; P -3.2200,Plg62.0000°,Azm93.0000° M_o2.90000×10^{18}
MOS Error ellipse: s-maj=9.5km s-min=7.3km az=119.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=117, comp=286, per= 50. Moment Tensor Solution. s99,c203; s97,c147; Moment tensor: Scale 10^{18}Nm; M_{rr}-2.26±.02 $M_{\theta\theta}$1.06±.02; $M_{\phi\phi}$1.21±.02; $M_{r\theta}$-0.55±.05; $M_{\theta\phi}$1.12±.01; $M_{\phi r}$0.51±.05; Best double couple: NP1:ϕ_s207.00000°,δ47.00000°,λ-113.00000°. NP2:ϕ_s59.00000°,δ47.00000°,λ-67.00000°. Principal axes: T 2.2600,Plg0.0000°,Azm133.0000°; N 0.2300,Plg17.0000°,Azm223.0000° ; P -2.4800,Plg73.0000°,Azm43.0000° M_o2.40000×10^{18}
ISC VII 19 11 15 27.8–2.1 11.13S–.04 164.58E–.03 35–15 5.4s,5.1b 357 5-163
NOU VII 19 11 15 19.3–1.0 10.35S 165.55E 30–0 5.4s,5.1b ¶11133678
ISCJB VII 19 11 15 21.5–2.5 11.06S–.05 164.53E–.03 3–15 5.4s,5.1b
IDC VII 19 11 15 22.4–.42 11.05S 164.61E 0 5.2,5.2s
NEIC VII 19 11 15 24.2–.16 11.03S 164.56E 10 5.2b,5.2s
MOS VII 19 11 15 26.8–.85 10.92S 164.41E 33 5.5b,5.2s
BJI VII 19 11 15 29.8 10.57S 164.45E 46 5.8b,5.6s
ISC Event type se.
NOU Error ellipse: s-maj=20.5km s-min=309.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=177.1.
IDC Error ellipse: s-maj=16.2km s-min=13.3km az=111.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=143.0.
MOS Error ellipse: s-maj=9.7km s-min=8.8km az=69.0.
ISC VII 19 11 45 43.1–2.5 11.02S–.05 164.60E–.04 25–18 5.1s,5.0b 266 5-163
DJA VII 19 11 45 19 10.90S 167.37E 30 5.1b,5.0b ¶11133679
IDC VII 19 11 45 39.0–.48 11.00S 164.67E 0 4.9,4.9
ISCJB VII 19 11 45 38.9–2.8 11.00S–.05 164.56E–.03 8–17 5.1s,5.0b
BJI VII 19 11 45 40.1 10.48S 164.80E 7 5.5b,5.4s
NEIC VII 19 11 45 40.8–.17 10.99S 164.62E 10 5.2b,5.4s
MOS VII 19 11 45 43.3–.94 10.87S 164.46E 33 5.4b,5.4s
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=14.5km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.4km az=175.9.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.7km az=140.0.
MOS Error ellipse: s-maj=10.4km s-min=9.5km az=81.2.
ISC VII 19 13 40 16.4–6.4 11.3S–.10 164.5E–.10 30–44 4.1b 16 5-93
IDC VII 19 13 40 10.9–2.1 11.37S 164.59E 0 4.6L,4.2 ¶11812066
NEIC VII 19 13 40 13.2–.93 11.19S 164.54E 10 4.3b,4.2
ISCJB VII 19 13 40 15.7–4.3 11.2S–.10 164.4E–.20 37–33 4.1b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 19 16 08 05.7–1.9 11.29S–.09 164.5E–.10 37–17 4.0b,3.5s 16 5-93
IDC VII 19 16 07 59.4–2.0 11.31S 164.70E 0 4.2,4.1L ¶11153501
NEIC VII 19 16 08 01.6–1.1 11.21S 164.60E 10 4.3b,4.1L
ISCJB VII 19 16 08 03.5–2.5 11.2S–.10 164.5E–.10 34–21 4.0b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 19 20 43 59.4–3.0 11.18S–.08 164.4E–.10 50–24 4.3b,3.5s 33 5-150
IDC VII 19 20 43 52.2–.81 11.17S 164.53E 0 4.7L,4.3 ¶11812102
NEIC VII 19 20 43 53.4–.53 11.19S 164.56E 10 4.5b,4.3
ISCJB VII 19 20 43 58.5–3.3 11.14S–.08 164.3E–.10 56–26 4.3b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 20 00 36 11.2–16 11.17S 164.52E 84–162 4.2L,3.8
¶12698334
IDC Error ellipse: s-maj=116.7km s-min=60.1km az=145.0.
IDC VII 20 01 33 47.9–4.0 11.25S 164.62E 0 4.1,4.0L
¶12698336
IDC Error ellipse: s-maj=200.7km s-min=32.1km az=138.0.
ISC VII 20 08 11 38.8–1.9 11.1S–.10 164.4E–.10 43–16 4.0b,3.8s 16 5-116
NEIC VII 20 08 11 33.9–.72 10.96S 164.57E 10 4.6b,3.8s ¶11812151
ISCJB VII 20 08 11 36.8–2.4 11.1S–.10 164.4E–.10 40–19 4.0b,3.8s
IDC VII 20 08 11 40.8–5.9 11.00S 164.34E 62–47 4.0L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=13.7km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=13.6km az=139.0.
IDC Error ellipse: s-maj=38.9km s-min=22.1km az=116.0.
IDC VII 20 09 48 22.0–6.3 10.82S 164.10E 78–51 4.0L,3.8
¶12698348
IDC Error ellipse: s-maj=53.0km s-min=21.3km az=115.0.
IDC VII 20 21 09 22.8–4.5 10.88S 164.53E 0 3.9L,3.7
¶12698356
IDC Error ellipse: s-maj=204.1km s-min=32.9km az=135.0.
IDC VII 20 23 55 29.5–4.3 10.87S 164.39E 0 3.9,3.8b
¶12698359
IDC Error ellipse: s-maj=193.2km s-min=32.7km az=139.0.
ISC VII 21 15 47 57.7–1.0 11.11S–.05 164.43E–.04 50–9 4.8b,4.3s 252 5-163
IDC VII 21 15 47 50.0–.54 11.09S 164.64E 0 4.9L,4.7 ¶11134024
NEIC VII 21 15 47 51.8–.26 11.05S 164.59E 10 5.0b,4.7
MOS VII 21 15 47 54.2–1.1 10.96S 164.43E 33 5.2b,4.7
ISCJB VII 21 15 47 54.9–1.2 11.06S–.05 164.37E–.04 38–10 4.8b,4.3s
GCMT VII 21 15 47 55.3–.20 11.17S 164.57E 12–0 5.1W,4.3s
BJI VII 21 15 47 56.7 10.26S 163.83E 10 5.2b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=15.9km az=108.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.5km az=139.0.
MOS Error ellipse: s-maj=11.2km s-min=10.9km az=70.7.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.2km az=172.7.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s62,c100; s81,c141; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.50±.16 $M_{\theta\theta}$3.49±.12; $M_{\phi\phi}$2.01±.12; $M_{r\theta}$-1.57±.32; $M_{\theta\phi}$2.48±.08; $M_{\phi r}$-1.08±.34; Best double couple: NP1:ϕ_s233.00000°,δ35.00000°,λ-91.00000°. NP2:ϕ_s54.00000°,δ55.00000°,λ-89.00000°. Principal axes: T 5.6600,Plg10.0000° ,Azm143.0000°; N 0.1600,Plg1.0000°,Azm234.0000°; P -5.8300,Plg80.0000°,Azm327.0000° M_o5.70000×10^{16}
IDC VII 21 18 27 34.5–1.7 10.73S 164.55E 0 3.9L,3.9
¶12698370
IDC Error ellipse: s-maj=45.1km s-min=27.9km az=140.0.
ISC VII 21 18 37 51.2–.54 10.92S–.09 164.56E–.07 36 4.2b,3.7s 31 5-94
ISCJB VII 21 18 37 49.4–.54 10.88S–.09 164.52E–.07 34 4.2b,3.7s ¶11812296
IDC VII 21 18 37 51.2–.87 10.82S 164.52E 34–4 4.4L,4.0
NEIC VII 21 18 37 51.3–.54 10.82S 164.49E 34 4.9b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=9.4km az=166.4.
IDC Error ellipse: s-maj=25.5km s-min=16.9km az=132.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=9.5km az=140.0.
ISC VII 22 14 45 31.5–1.9 11.2S–.10 164.4E–.10 37–16 4.0b,3.6s 21 5-93
IDC VII 22 14 45 25.7–1.3 11.21S 164.48E 0 4.3L,4.2 ¶11812365
ISCJB VII 22 14 45 28.7–4.9 11.3S–.10 164.38E–.10 29–35 4.0b,3.6s
NEIC VII 22 14 45 31.4–1.5 11.18S 164.41E 36–13 4.1b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=20.9km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=12.3km az=32.3.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=12.2km az=211.0.
ISC VII 23 23 07 51.3–5.3 11.25S–.07 164.51E–.07 7–32 4.3b,3.7s 52 5-121
ISCJB VII 23 23 07 50.6–4.5 11.25S–.07 164.47E–.06 13–28 4.3b,3.7s ¶11812489
IDC VII 23 23 07 50.2–.84 11.26S 164.58E 0 4.7L,4.4
NEIC VII 23 23 07 51.6–.27 11.22S 164.55E 10 4.7b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=9.7km az=17.0.
IDC Error ellipse: s-maj=26.5km s-min=18.5km az=144.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.6km az=143.0.
ISC VII 26 23 11 47.1–6.6 11.2S–.20 164.5E–.10 30–47 4.1b,3.2s 11 5-93
NEIC VII 26 23 11 44.4–1.0 11.07S 164.60E 10 4.1b,3.2s ¶11812675
ISCJB VII 26 23 11 45.6–6.5 11.2S–.20 164.5E–.10 31–46 4.1b,3.2s
IDC VII 26 23 11 53.5–11 11.27S 164.47E 88–100 3.9,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=14.9km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=17.5km az=17.2.
IDC Error ellipse: s-maj=59.7km s-min=32.0km az=127.0.
IDC VII 28 15 16 51.4–2.7 11.00S 164.15E 0 4.0,3.9
¶12698468
IDC Error ellipse: s-maj=111.6km s-min=26.5km az=123.0.
IDC VII 29 07 05 46.3–3.2 10.92S 164.47E 0 4.1,4.1L
¶12698478
IDC Error ellipse: s-maj=113.5km s-min=26.7km az=133.0.
IDC VII 31 12 03 19.6–1.9 11.17S 164.10E 0 4.1,3.7
¶12698516
IDC Error ellipse: s-maj=86.2km s-min=29.7km az=148.0.
IDC VIII 02 11 51 37.4–3.4 11.10S 164.53E 0 3.9L,3.8
¶12580900
IDC Error ellipse: s-maj=133.6km s-min=30.2km az=133.0.
IDC VIII 03 02 22 32.3–3.0 11.09S 164.26E 0 4.0,3.8
¶12580907
IDC Error ellipse: s-maj=99.1km s-min=31.0km az=134.0.
ISC VIII 05 12 15 03.4–6.7 11.3S–.10 164.4E–.10 26–48 3.9b 13 5-84
IDC VIII 05 12 14 59.3–1.8 11.26S 164.43E 0 4.0,3.9 ¶11907790
ISCJB VIII 05 12 15 03.2–4.9 11.3S–.20 164.4E–.20 37–38 3.9b,3.9
NEIC VIII 05 12 15 04.5–1.5 11.25S 164.49E 35 3.8b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=26.4km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=33.8km s-min=25.5km az=20.6.
NEIC Event type se. Error ellipse: s-maj=30.7km s-min=21.5km az=135.0.
ISC VIII 18 09 16 29.4–1.1 10.79S–.06 164.42E–.06 74–11 4.7b 76 5-163
BJI VIII 18 09 16 20.1 10.70S 164.60E 6 5.1b,4.9b ¶11207911
NEIC VIII 18 09 16 21.2–.37 10.66S 164.59E 10 5.0b,4.9b
NOU VIII 18 09 16 24.1–.73 10.27S 164.89E 30–0 4.9L,4.5
ISCJB VIII 18 09 16 27.0–1.4 10.75S–.06 164.39E–.06 66–13 4.7b,4.5
IDC VIII 18 09 16 26.9–5.3 10.80S 164.55E 58–42 6.3L,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.3km az=137.0.
NOU Error ellipse: s-maj=17.2km s-min=161.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=8.2km az=140.0.
IDC Error ellipse: s-maj=38.0km s-min=19.8km az=113.0.
IDC VIII 28 01 32 05.8–7.8 10.96S 164.46E 72–62 4.2L,4.0
¶12581484
IDC Error ellipse: s-maj=54.7km s-min=27.8km az=118.0.
ISC IX 18 16 53 48.3–6.7 11.0S–.20 164.0E–.10 11–42 3.8b,3.1s 11 4-92
IDC IX 18 16 53 46.4–1.6 10.98S 164.04E 0 4.5L,4.2 ¶11910563
ISCJB IX 18 16 53 48.4–6.5 11.1S–.10 164.0E–.10 22–45 3.8b,3.1s
NEIC IX 18 16 53 52.7–4.8 10.89S 163.91E 41–38 4.0b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=27.5km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=17.4km az=37.0.
NEIC Event type se. Error ellipse: s-maj=49.0km s-min=18.5km az=122.0.
ISC IX 19 22 49 02.2–1.2 11.26S–.03 164.46E–.02 21–8 5.3b,5.1s 569 5-171
DJA IX 19 22 48 46 11.37S 166.27E 14 5.3b,5.1s ¶12952096
NOU IX 19 22 48 54.6–1.1 10.63S 164.24E 30–0 4.4,3.7L
ISCJB IX 19 22 48 57.8–1.2 11.22S–.04 164.41E–.02 3–7 5.3b,5.1s
IDC IX 19 22 48 58.5–.39 11.22S 164.53E 0 5.9L,5.2
BJI IX 19 22 49 02.1 10.85S 164.63E 25 5.4b,5.3s
MOS IX 19 22 49 03.4–.90 11.02S 164.47E 34 5.6b,5.0s
GCMT IX 19 22 49 04.6–.10 11.23S 164.48E 12 5.5W,5.0s
NEIC IX 19 22 49 04.3–.74 11.19S 164.48E 37–6 5.6W,5.4b
ISC Event type se.
NOU Error ellipse: s-maj=35.6km s-min=164.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=4.9.
IDC Error ellipse: s-maj=15.0km s-min=14.2km az=47.0.
MOS Error ellipse: s-maj=7.9km s-min=7.2km az=116.5.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta=110, comp=227, per= 50. Moment Tensor Solution. s86,c169; s56,c59; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.46±.02 $M_{\theta\theta}$0.45±.02; $M_{\phi\phi}$2.02±.02; $M_{r\theta}$-0.49±.07; $M_{\theta\phi}$0.75±.02; $M_{\phi r}$0.51±.07; Best double couple: NP1:ϕ_s34.00000°,δ43.00000°,λ-71.00000°. NP2:ϕ_s189.00000°,δ50.00000°,λ-107.00000°. Principal axes: T 2.3400,Plg4.0000°,Azm291.0000°; N 0.2900,Plg13.0000°,Azm200.0000° ; P -2.6300,Plg77.0000°,Azm36.0000° M_o2.50000×10^{17}
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.3km az=175.0.
IDC IX 19 23 03 18.4–1.4 11.36S 164.57E 0 4.5L,4.0
¶11910665
IDC Error ellipse: s-maj=46.6km s-min=24.0km az=141.0.
IDC IX 20 01 13 43.8–12 10.26S 164.74E 0 3.9,3.7b
¶11910675
IDC Error ellipse: s-maj=355.0km s-min=44.3km az=119.0.
IDC IX 24 15 28 27.5–2.5 12.19S 169.86E 0 4.3,4.2b
¶11910933
IDC Error ellipse: s-maj=92.4km s-min=22.9km az=131.0.
IDC IX 24 23 26 10.6–4.1 11.15S 164.37E 0 4.0,3.7b
¶11910972
IDC Error ellipse: s-maj=207.8km s-min=33.8km az=139.0.
ISC IX 25 23 13 28.8–2.0 11.2S–.10 164.63E–.09 39–18 4.0b,3.4s 23 5-93
ISCJB IX 25 23 13 27.4–2.5 11.3S–.10 164.58E–.09 41–21 4.0b,3.4s ¶11911049
IDC IX 25 23 13 28.5–8.7 11.22S 164.68E 36–67 4.5L,4.1
NEIC IX 25 23 13 29.1–1.4 11.20S 164.66E 43–13 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=14.3km az=22.7.
IDC Error ellipse: s-maj=52.5km s-min=27.8km az=129.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.5km az=174.0.
ISC IX 26 14 44 39.6–1.1 11.1S–.20 164.4E–.20 35 3.8b 9 5-84
IDC IX 26 14 44 33.0–1.8 11.24S 164.63E 0 4.0,3.9L ¶11911092
ISCJB IX 26 14 44 37.7–1.1 11.1S–.20 164.3E–.20 33 3.8b,3.9L
NEIC IX 26 14 44 39.4–.83 11.09S 164.40E 35 4.1b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=48.2km s-min=28.7km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=24.3km s-min=22.1km az=155.4.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=16.8km az=148.0.
ISC IX 26 14 47 18.2–7.0 11.2S–.20 164.6E–.10 5–43 3.9b 9 5-93
IDC IX 26 14 47 17.2–1.7 11.17S 164.56E 0 4.1L,4.0 ¶11911093
ISCJB IX 26 14 47 18.2–6.9 11.2S–.20 164.5E–.10 15–47 3.9b,4.0
NEIC IX 26 14 47 22.9–.78 11.14S 164.47E 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=47.1km s-min=27.8km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=30.3km s-min=18.6km az=28.8.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=17.3km az=159.0.
IDC X 13 06 13 18.1–8.9 11.63S 164.95E 0 3.7,3.6
¶12068532

IDC Error ellipse: s-maj=267.9km s-min=53.7km az=125.0.
ISC X 15 17 05 44.3–1.4 10.89S–.06 164.44E–.07 36–12 4.4b,4.0s 63 5-147
IDC X 15 17 05 38.1–1.1 10.91S 164.49E 0 4.7L,4.5 ¶11349233
ISCJB X 15 17 05 40.9–3.8 10.85S–.07 164.43E–.07 25–26 4.4b,4.0s
BJI X 15 17 05 42.3 10.60S 164.40E 35 5.0b,4.8s
NEIC X 15 17 05 43.5–4.8 10.71S 164.39E 30–33 4.8b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=17.8km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=9.2km az=136.6.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.3km az=74.0.
IDC X 20 04 17 48.0–6.1 12.11S 168.83E 692–73 3.4,3.1b
¶12069104
IDC Error ellipse: s-maj=119.1km s-min=32.6km az=144.0.
IDC X 27 12 57 33.2–7.2 10.92S 164.94E 74–53 4.8L,3.6
¶12071239
IDC Error ellipse: s-maj=53.0km s-min=32.4km az=123.0.
IDC X 30 12 56 12.2–1.2 10.54S 164.59E 0 4.1,3.9
¶12071626
IDC Error ellipse: s-maj=42.7km s-min=23.8km az=101.0.
IDC X 30 17 46 05.2–2.0 11.24S 164.30E 0 4.2L,3.8
¶12071646
IDC Error ellipse: s-maj=49.1km s-min=31.5km az=151.0.
ISC X 31 02 27 40.9–1.5 10.7S–.20 164.2E–.20 35 3.6b 15 4-92
IDC X 31 02 27 35.5–2.1 10.64S 164.25E 0 4.3L,4.0 ¶12071703
ISCJB X 31 02 27 39.1–1.4 10.7S–.20 164.2E–.20 33 3.6b,4.0
NEIC X 31 02 27 41.8–7.1 10.58S 164.13E 40–49 3.7b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=67.8km s-min=27.5km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=32.7km s-min=21.1km az=143.1.
NEIC Event type se. Error ellipse: s-maj=77.5km s-min=20.1km az=120.0.
IDC X 31 17 32 12.1–2.3 10.86S 164.17E 0 3.8L,3.7
¶12071753
IDC Error ellipse: s-maj=68.7km s-min=34.1km az=144.0.
IDC XI 01 12 32 46.1–19 12.69S 169.59E 0 4.4,4.2b
¶12071850
IDC Error ellipse: s-maj=326.9km s-min=107.6km az=60.0.
IDC XI 09 19 13 59.7–58 12.80S 170.75E 0 3.7,3.6b
¶12072988
IDC Error ellipse: s-maj=997.8km s-min=127.5km az=66.0.
IDC XI 10 14 06 35.9–53 12.86S 169.54E 0 3.8,3.7b
¶12073072
IDC Error ellipse: s-maj=913.0km s-min=119.4km az=65.0.
IDC XI 12 03 44 24.9–47 10.85S 171.36E 0 4.2,4.0b
¶12073264
IDC Error ellipse: s-maj=814.0km s-min=116.9km az=63.0.
IDC XI 15 05 14 42.5–1.8 10.48S 164.60E 0 4.1,3.9b
¶12073593
IDC Error ellipse: s-maj=94.0km s-min=30.3km az=134.0.
ISC XI 27 19 01 45.2–1.4 11.4S–.20 164.5E–.10 35 3.9b 13 5-84
IDC XI 27 19 01 40.2–1.9 11.24S 164.48E 0 4.6L,4.2 ¶12075064
ISCJB XI 27 19 01 43.4–1.4 11.4S–.20 164.5E–.10 33 3.9b,4.2
NEIC XI 27 19 01 45.3–1.3 11.35S 164.49E 35 3.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=30.6km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=14.4km az=29.2.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=20.3km az=147.0.
IDC XI 30 18 24 44.0–2.6 11.77S 169.66E 0 4.2,4.0b
¶12075355
IDC Error ellipse: s-maj=123.0km s-min=29.4km az=135.0.
ISC XII 04 04 57 03.0–3.6 11.1S–.10 164.5E–.20 54–29 4.2b,3.5s 24 5-163
IDC XII 04 04 56 54.5–1.4 11.27S 164.75E 0 4.4,4.3L ¶12075683
ISCJB XII 04 04 57 02.0–4.0 11.1S–.10 164.4E–.20 58–31 4.2b,3.5s
NEIC XII 04 04 57 03.5–3.1 11.05S 164.47E 59–24 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=21.6km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=30.8km s-min=20.6km az=29.0.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=13.9km az=122.0.
ISC XII 09 19 38 32.0–1.6 10.67S–.07 164.72E–.09 90–13 4.2b 68 5-163
ISCJB XII 09 19 38 29.4–2.0 10.66S–.07 164.77E–.10 82–17 4.2b ¶12076599
IDC XII 09 19 38 31.4–3.3 10.73S 164.72E 87–27 4.0,4.0
NEIC XII 09 19 38 31.9–1.5 10.63S 164.69E 90–12 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=8.0km az=149.5.
IDC Error ellipse: s-maj=20.8km s-min=14.8km az=75.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.8km az=61.0.
ISC XII 15 10 49 34.1–1.9 11.2S–.10 164.4E–.10 42–16 3.8b 23 5-96
IDC XII 15 10 49 27.2–1.2 11.32S 164.62E 0 5.0L,4.1 ¶12077590
ISCJB XII 15 10 49 31.5–2.4 11.3S–.10 164.4E–.10 34–20 3.8b,4.1
NEIC XII 15 10 49 34.0–1.5 11.23S 164.43E 42–13 3.8b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=40.4km s-min=23.1km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=13.5km az=140.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.2km az=57.0.
IDC XII 31 04 03 25.4–83 12.49S 170.88E 0 3.8,3.6b
¶12079625
IDC Error ellipse: s-maj=1424.0km s-min=142.8km az=65.0.

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ISC VII 09 02 34 44.5–.13 12.47S–.03 166.55E–.03 52 5.2b,4.2s 323 7-153
MOS VII 09 02 34 40.6–1.1 12.42S 166.43E 33 5.0b,4.2s ¶11108409
ISCJB VII 09 02 34 42.7–.14 12.46S–.04 166.49E–.03 50 5.2b,4.2s
NEIC VII 09 02 34 43.5–.21 12.41S 166.46E 45 5.1b,4.2s
IDC VII 09 02 34 43.0–.64 12.42S 166.52E 43–5 4.6,4.6
NOU VII 09 02 34 45.1–1.8 12.25S 165.66E 30–0 4.2,2.4s
BJI VII 09 02 34 46.5 11.76S 166.54E 62 5.2b,5.0b
GCMT VII 09 02 34 46.7–.30 12.46S 166.17E 43–1 5.0W,5.0b
DJA VII 09 02 34 51 12.49S 166.65E 111 5.4b,5.0b
ISC Event type se.
MOS Error ellipse: s-maj=11.6km s-min=10.1km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=164.7.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.1km az=154.0.
IDC Error ellipse: s-maj=16.1km s-min=14.2km az=106.0.
NOU Error ellipse: s-maj=20.4km s-min=266.0km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s59,c76; s54,c67; Moment tensor: Scale 10^{16}Nm; M_{rr}3.86±.17 $M_{\theta\theta}$-0.08±.16; $M_{\phi\phi}$-3.79±.13; $M_{r\theta}$-0.02±.13; $M_{\theta\phi}$0.89±.13; $M_{\theta r}$1.36±.11; Best double couple: NP1:ϕ_s163.00000°,δ36.00000°,λ83.00000°. NP2:ϕ_s351.00000°,δ54.00000°,λ95.00000°. Principal axes: T 4.1000,Plg80.0000° ,Azm281.0000°; N 0.1100,Plg4.0000°,Azm168.0000°; P -4.2100,Plg9.0000°,Azm78.0000° $M_0$4.20000×10^{16}
ISC VII 10 19 21 33.4–2.9 11.0S–.10 166.4E–.20 185–23 4.0b 17 7-94
ISCJB VII 10 19 21 32.3–2.9 11.0S–.10 166.4E–.20 192–24 3.9b ¶11811198
IDC VII 10 19 21 32.6–3.9 10.95S 166.46E 179–33 3.9,3.8
NEIC VII 10 19 21 33.5–2.2 10.97S 166.40E 186–17 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.1km s-min=20.7km az=173.4.
IDC Error ellipse: s-maj=27.0km s-min=17.3km az=87.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=15.0km az=80.0.
ISC VII 12 12 48 58.2–2.1 11.0S–.10 166.0E–.10 81–17 3.9b 16 6-94
ISCJB VII 12 12 48 57.0–2.7 11.04S–.10 166.0E–.10 82–22 3.9b ¶11811361
NEIC VII 12 12 48 57.9–1.6 10.88S 166.01E 79–14 4.2b
IDC VII 12 12 48 58.2–6.9 10.93S 166.01E 82–56 4.6L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=10.5km az=146.5.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=13.8km az=47.0.
IDC Error ellipse: s-maj=55.2km s-min=30.2km az=137.0.
ISC VII 13 16 57 34.5–1.8 12.07S–.09 167.51E–.08 330–19 4.2b 37 10-151
IDC VII 13 16 57 32.1–5.3 12.07S 167.56E 310–51 3.9,3.8b ¶11811483
ISCJB VII 13 16 57 33.8–1.8 12.10S–.09 167.51E–.08 336–19 4.2b,3.8b
NEIC VII 13 16 57 34.1–1.3 12.04S 167.51E 328–13 4.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=15.2km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=11.9km az=167.5.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.8km az=171.0.
ISC VII 13 18 57 46.7–1.5 11.7S–.20 166.7E–.30 35 3.9b 11 31-95
IDC VII 13 18 57 40.4–1.4 11.73S 166.85E 0 4.1,4.0b ¶11811495
ISCJB VII 13 18 57 45.0–1.5 11.8S–.20 166.6E–.30 33 3.9b,4.0b
NEIC VII 13 18 57 46.4–1.3 11.73S 166.74E 35 3.9b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=42.2km s-min=30.9km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=40.8km s-min=26.1km az=11.8.
NEIC Event type se. Error ellipse: s-maj=36.0km s-min=23.1km az=102.0.
ISC VII 25 12 18 57.0–2.6 11.44S–.09 166.3E–.10 60–24 4.4b,3.8s 38 11-170
IDC VII 25 12 18 48.4–.62 11.43S 166.35E 0 4.4,4.4 ¶11153726
BJI VII 25 12 18 49.0 11.40S 166.40E 10 5.1b,4.7b
NEIC VII 25 12 18 50.0–.37 11.41S 166.36E 10 4.2b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=15.6km az=100.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.1km az=118.0.
IDC VII 28 19 46 10.9–15 10.67S 165.84E 159–149 3.8,3.7b
¶12698470
IDC Error ellipse: s-maj=78.8km s-min=46.9km az=142.0.
ISC VII 29 22 46 04.0–2.4 10.67S–.08 166.21E–.09 47–20 4.5b,4.0s 58 6-98
IDC VII 29 22 45 55.9–1.0 10.82S 166.44E 0 4.7L,4.4 ¶11812882
NEIC VII 29 22 45 58.7–.24 10.67S 166.31E 10 4.8b,4.4
ISCJB VII 29 22 46 01.8–2.9 10.67S–.09 166.17E–.09 41–25 4.5b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 03 02 57 42.5–4.7 10.7S–.20 166.1E–.10 120–45 3.8b 14 11-95
IDC VIII 03 02 57 39.6–10 10.65S 166.18E 95–93 3.9,3.7 ¶11907726
ISCJB VIII 03 02 57 41.2–4.8 10.7S–.20 166.1E–.10 121–44 3.8b,3.7
NEIC VIII 03 02 57 42.2–3.9 10.65S 166.14E 119–37 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=47.6km s-min=29.6km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=22.6km az=174.4.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=15.3km az=164.0.
ISC VIII 04 22 57 36.5–1.3 11.67S–.08 166.20E–.07 53–12 4.3b 31 7-123
ISCJB VIII 04 22 57 34.2–1.8 11.65S–.08 166.18E–.07 46–15 4.3b ¶11907773
NEIC VIII 04 22 57 36.9–1.3 11.65S 166.22E 57–11 4.5b
IDC VIII 04 22 57 36.3–5.3 11.59S 166.20E 49–43 5.1L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=11.4km az=0.8.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.5km az=156.0.
IDC Error ellipse: s-maj=38.5km s-min=24.0km az=119.0.
IDC VIII 10 06 03 15.1–3.8 10.94S 166.76E 0 4.0,3.8
¶12581003
IDC Error ellipse: s-maj=184.9km s-min=35.9km az=137.0.
ISC VIII 10 12 44 04.7–1.6 10.64S–.09 166.29E–.05 75–15 4.5b 119 6-165
IDC VIII 10 12 43 53.1–1.2 10.76S 166.63E 0 4.6,4.5 ¶11167602
ISCJB VIII 10 12 44 03.1–1.9 10.63S–.09 166.23E–.05 74–17 4.5b,4.5
NEIC VIII 10 12 44 04.9–1.1 10.59S 166.22E 79–10 4.6b,4.5
BJI VIII 10 12 44 05.6 10.13S 166.29E 80 5.5s,5.1
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=21.8km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=8.8km az=2.6.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.6km az=162.0.
ISC VIII 12 05 26 01.5–.74 11.47S–.03 166.20E–.03 68–6 5.2b 327 6-170
MOS VIII 12 05 25 55.8–1.2 11.27S 166.11E 33 5.3s,5.3b ¶11164782
NEIC VIII 12 05 25 57.7–.17 11.43S 166.23E 38 5.9W,5.8W
ISCJB VIII 12 05 25 58.5–.96 11.46S–.03 166.16E–.03 55–8 5.3s,5.3b
NOU VIII 12 05 25 58.2–1.6 11.22S 166.35E 30–0 4.8L,4.4
DJA VIII 12 05 26 01 11.63S 166.23E 66 6.0W,4.4
GCMT VIII 12 05 26 01.7–.10 11.49S 165.99E 47–0 5.8W,4.4
IDC VIII 12 05 26 01.1–2.8 11.40S 166.25E 69–24 5.1s,5.1
BJI VIII 12 05 26 04.1 10.64S 166.09E 78 5.8b,5.4s
ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=8.3km az=73.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=148.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s100.00000°,δ60.00000° ,λ90.00000°. NP2:ϕ_s280.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000° ,Azm10.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm190.0000° Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}8.71 $M_{\theta\theta}$-2.85 $M_{\phi\phi}$-5.86 $M_{r\theta}$0.42 $M_{\theta\phi}$2.99 $M_{\theta r}$0.46 Best double couple: NP1:ϕ_s332.00000°,δ46.00000°,λ95.00000°. NP2:ϕ_s145.00000° ,δ45.00000°,λ85.00000°. Principal axes: T 8.7500,Plg86.0000°,Azm319.0000° ; N -1.0400,Plg3.0000°,Azm148.0000°; P -7.7000,Plg0.0000°,Azm58.0000° $M_0$8.30000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.6km az=169.1.
NOU Error ellipse: s-maj=16.1km s-min=171.0km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=206, per= 50. Moment Tensor Solution. s107,c225; s66,c82; Moment tensor: Scale 10^{17}Nm; M_{rr}6.08±.06 $M_{\theta\theta}$-0.29±.05; $M_{\phi\phi}$-5.79±.05; $M_{r\theta}$-0.09±.05; $M_{\theta\phi}$1.75±.04; $M_{\theta r}$0.46±.05; Best double couple: NP1:ϕ_s163.00000°,δ43.00000°,λ89.00000°. NP2:ϕ_s344.00000°,δ47.00000°,λ91.00000°. Principal axes: T 6.1000,Plg88.0000°,Azm266.0000°; N 0.2200,Plg0.0000°,Azm164.0000° ; P -6.3200,Plg2.0000°,Azm74.0000° $M_0$6.20000×10^{17}
IDC Error ellipse: s-maj=14.3km s-min=10.5km az=149.0.
IDC VIII 12 16 11 44.6–3.7 10.82S 166.54E 0 3.9,3.8b
¶12581037
IDC Error ellipse: s-maj=129.3km s-min=36.0km az=132.0.
IDC VIII 14 13 39 34.3–4.4 11.99S 167.09E 0 3.9,3.7b
¶12581075
IDC Error ellipse: s-maj=209.3km s-min=30.2km az=141.0.
ISC VIII 24 16 10 03.7–3.8 11.7S–.10 166.4E–.20 84–29 4.0b 21 7-94
IDC VIII 24 16 09 58.1–5.7 11.84S 166.81E 48–47 4.7L,4.1 ¶11908700
NEIC VIII 24 16 09 59.6–4.1 11.83S 166.76E 60–30 4.1b,4.1
ISCJB VIII 24 16 10 05.1–4.5 11.8S–.10 166.2E–.20 100–34 4.0b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 27 01 58 04.5–4.3 11.84S 167.38E 0 4.0,3.8
¶12581450
IDC Error ellipse: s-maj=206.0km s-min=32.0km az=141.0.
IDC VIII 28 14 26 21.1–7.9 10.84S 165.20E 50–59 4.7L,3.6
¶12581506
IDC Error ellipse: s-maj=51.5km s-min=32.6km az=119.0.
ISC VIII 29 16 55 15.1–4.1 11.5S–.20 165.5E–.20 44–32 3.8b 14 6-94
IDC VIII 29 16 55 08.0–1.5 11.58S 165.66E 0 4.6L,4.1 ¶11909080
ISCJB VIII 29 16 55 13.8–4.5 11.5S–.10 165.4E–.20 45–35 3.8b,4.1
NEIC VIII 29 16 55 13.6–.90 11.54S 165.58E 35 3.9b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=25.2km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=24.0km az=19.2.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=16.0km az=138.0.
IDC VIII 29 23 35 21.8–2.5 11.97S 166.83E 0 4.0,3.8b
¶12581555
IDC Error ellipse: s-maj=115.9km s-min=29.7km az=134.0.
ISC VIII 30 03 41 12.7–1.5 12.4S–.20 165.8E–.30 35 4.0b,3.5s 11 19-149
IDC VIII 30 03 41 07.3–2.4 12.45S 165.79E 0 4.2,4.0 ¶12581558
ISCJB VIII 30 03 41 11.2–1.5 12.4S–.20 165.7E–.30 33 4.0b,3.5s
ISC VIII 31 14 48 17.7–3.1 11.9S–.20 167.5E–.10 333–35 3.8b 16 12-95
IDC VIII 31 14 47 40.9–1.3 11.35S 167.73E 0 4.3,4.2b ¶11909170
ISCJB VIII 31 14 48 17.6–3.0 12.0S–.20 167.5E–.10 347–34 3.8b,4.2b
NEIC VIII 31 14 48 17.7–2.6 11.92S 167.46E 334–30 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=40.3km s-min=24.2km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=29.0km s-min=17.0km az=156.7.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=13.1km az=158.0.
ISC VIII 31 20 22 14.4–1.6 12.7S–.20 167.0E–.30 35 3.6b 12 23-152
IDC VIII 31 20 22 07.0–1.8 12.90S 167.34E 0 3.9,3.8 ¶11909183
ISCJB VIII 31 20 22 13.0–1.6 12.7S–.20 166.9E–.30 33 3.6b,3.8
NEIC VIII 31 20 22 13.2–1.1 12.74S 167.18E 35 3.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=68.0km s-min=25.0km az=132.0.

ISCJB Event type se. Error ellipse: s-maj=51.1km s-min=18.3km az=30.8.
NEIC Event type se. Error ellipse: s-maj=38.0km s-min=14.3km az=125.0.
IDC IX 01 15 46 07.6–2.9 11.91S 166.81E 0 3.9,3.7b
¶11909229

IDC Error ellipse: s-maj=166.8km s-min=31.3km az=132.0.
ISC IX 04 09 34 11.5–.19 12.11S–.05 166.70E–.04 162 4.8b 164 7-165
BJI IX 04 09 34 08.7 11.78S 166.91E 147 5.0b,4.9b **¶11265443**
ISCJB IX 04 09 34 09.8–.18 12.12S–.04 166.65E–.04 160 4.8b,4.9b
IDC IX 04 09 34 10.1–.53 12.08S 166.77E 155–4 4.5,4.5
NEIC IX 04 09 34 10.4–.20 12.09S 166.77E 159 4.9b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.9km az=154.4.
IDC Error ellipse: s-maj=13.2km s-min=10.0km az=122.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.5km az=154.0.
ISC IX 04 09 37 04.0–.09 12.21S–.02 167.07E–.02 272 5.4b 850 8-170
IDC IX 04 09 37 01.9–.48 12.17S 167.08E 255–4 5.1,5.1 **¶13393405**
MOS IX 04 09 37 02.4–1.2 11.99S 167.08E 261 5.6b,4.3s
BJI IX 04 09 37 02.8 11.88S 167.01E 264 5.2b,5.2b
ISCJB IX 04 09 37 02.4–.09 12.26S–.02 167.03E–.02 270 5.4b,5.2b
NEIC IX 04 09 37 04.0–.11 12.14S 167.10E 272 5.7W,5.6W
GCMT IX 04 09 37 05.6–.10 12.17S 167.04E 261–0 5.7W,5.6W
ISC Event type se.
IDC Error ellipse: s-maj=7.9km s-min=6.9km az=121.0.
MOS Error ellipse: s-maj=7.6km s-min=6.7km az=74.8.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.6km az=44.2.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.5km az=157.0. Moment Tensor Solution. s51 Moment tensor: Scale 10^{17}Nm; M_{rr}4.27 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-4.08 $M_{r\theta}$1.19 $M_{\theta\phi}$-0.43 $M_{\phi r}$-1.54 Best double couple: NP1:ϕ_S20.00000°,δ37.00000°,λ114.00000°. NP2:ϕ_S171.00000°,δ56.00000°,λ73.00000°. Principal axes: T 4.8500,Plg72.0000°,Azm36.0000°; N -0.4900,Plg14.0000°,Azm180.0000°; P -4.3700,Plg9.0000°,Azm273.0000° $M_0$4.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=213, per= 50. Moment Tensor Solution. s99,c193; s44,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}2.80±.04 $M_{\theta\theta}$-0.19±.04; $M_{\phi\phi}$-2.62±.04; $M_{r\theta}$1.62±.05; $M_{\theta\phi}$-1.25±.04; $M_{\phi r}$-1.73±.04; Best double couple: NP1:ϕ_S47.00000°,δ42.00000°,λ134.00000°. NP2:ϕ_S174.00000°,δ62.00000°,λ58.00000°. Principal axes: T 4.1600,Plg60.0000°,Azm36.0000°; N -0.8200,Plg28.0000°,Azm190.0000°; P -3.3400,Plg11.0000°,Azm286.0000° $M_0$3.80000×10^{17}
ISC IX 04 18 27 39.9–5.5 12.0S–.20 166.7E–.40 141–36 3.9b 13 7-149
IDC IX 04 18 27 38.5–6.1 12.02S 166.69E 128–45 4.2s,4.2 **¶11909475**
ISCJB IX 04 18 27 39.5–5.8 12.1S–.20 166.6E–.40 150–39 3.9b,4.2
NEIC IX 04 18 27 40.3–3.8 11.99S 166.63E 144–26 3.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=48.4km s-min=20.6km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=62.9km s-min=22.5km az=20.6.
NEIC Event type se. Error ellipse: s-maj=37.1km s-min=14.8km az=114.0.
ISC IX 05 23 28 14.4–1.1 11.2S–.10 165.3E–.20 35 4.2b,3.4s 11 6-93
IDC IX 05 23 28 09.4–2.1 11.00S 165.18E 0 4.3,4.1 **¶11909564**
ISCJB IX 05 23 28 12.3–1.1 11.3S–.10 165.3E–.20 33 4.2b,3.4s
NEIC IX 05 23 28 17.6–7.9 11.17S 165.22E 62–67 4.2b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=83.0km s-min=25.3km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=18.5km az=0.6.
NEIC Event type se. Error ellipse: s-maj=46.9km s-min=28.5km az=121.0.
IDC IX 08 04 52 46.3–2.2 11.78S 165.11E 0 4.3,3.9b
¶11909790

IDC Error ellipse: s-maj=143.7km s-min=25.8km az=145.0.
ISC IX 09 23 18 27.2–.10 11.82S–.02 166.51E–.02 103 5.5b 538 7-170
NOU IX 09 23 18 20.8–1.2 11.33S 166.73E 30–0 5.5L,4.6 **¶12951957**
ISCJB IX 09 23 18 25.5–.10 11.83S–.02 166.47E–.02 101 5.5b,4.6
NEIC IX 09 23 18 26.3–.13 11.80S 166.51E 99 5.6W,5.5W
IDC IX 09 23 18 26.4–.49 11.78S 166.55E 101–4 5.0,5.0
MOS IX 09 23 18 27.5–1.2 11.64S 166.42E 116 5.4b,5.0s
BJI IX 09 23 18 27.5 11.26S 166.54E 107 5.5b,5.4b
DJA IX 09 23 18 29 12.03S 166.71E 133 6.0W,5.4b
GCMT IX 09 23 18 29.5–.10 11.78S 166.35E 108–0 5.6W,5.4b
ISC Event type se.
NOU Error ellipse: s-maj=11.5km s-min=126.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.5km az=160.5.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=153.0. Moment Tensor Solution. s42 Moment tensor: Scale 10^{17}Nm; M_{rr}2.35 $M_{\theta\theta}$-2.52 $M_{\phi\phi}$0.17 $M_{r\theta}$1.80 $M_{\theta\phi}$-1.15 $M_{\phi r}$-0.67 Best double couple: NP1:ϕ_S226.00000°,δ36.00000°,λ49.00000°. NP2:ϕ_S93.00000°,δ64.00000°,λ115.00000°. Principal axes: T 3.2700,Plg62.0000°,Azm43.0000°; N 0.0700,Plg22.0000°,Azm261.0000°; P -3.3500,Plg15.0000°,Azm164.0000° $M_0$3.30000×10^{17}
IDC Error ellipse: s-maj=11.4km s-min=9.3km az=157.0.
MOS Error ellipse: s-maj=7.7km s-min=7.5km az=92.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=214, per= 50. Moment Tensor Solution. s96,c183; s23,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}2.00±.04 $M_{\theta\theta}$0.63±.04; $M_{\phi\phi}$0.63±.04; $M_{r\theta}$1.93±.03; $M_{\theta\phi}$-1.44±.04; $M_{\phi r}$-0.80±.03; Best double couple: NP1:ϕ_S218.00000°,δ39.00000°,λ37.00000°. NP2:ϕ_S98.00000°,δ68.00000°,λ123.00000°. Principal axes: T 3.3100,Plg55.0000°,Azm50.0000°; N 0.3000,Plg30.0000°,Azm264.0000°; P -3.6200,Plg16.0000°,Azm164.0000° $M_0$3.50000×10^{17}
ISC IX 11 16 43 05.4–3.7 10.9S–.20 165.9E–.20 40–30 4.0b,3.9s 11 6-93
IDC IX 11 16 42 59.2–1.1 10.85S 165.98E 0 4.9L,4.2 **¶11910055**
ISCJB IX 11 16 43 03.0–4.4 10.9S–.20 165.9E–.20 33–35 4.0b,3.9s
NEIC IX 11 16 43 05.2–2.7 10.88S 165.91E 40–22 4.2b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=26.1km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=35.4km s-min=24.9km az=166.1.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=16.1km az=77.0.
IDC IX 15 02 30 17.6–2.6 11.85S 166.52E 0 4.2,4.0
¶11910306

IDC Error ellipse: s-maj=94.8km s-min=24.8km az=138.0.
ISC IX 18 10 42 25.4–1.1 12.4S–.10 166.2E–.20 35 3.7b 9 7-165
IDC IX 18 10 42 17.9–2.3 12.68S 166.53E 0 3.9,3.8 **¶11910546**
ISCJB IX 18 10 42 23.2–1.1 12.5S–.10 166.1E–.20 33 3.7b,3.8
IDC IX 19 21 35 32.9–1.6 12.32S 167.31E 0 4.4,4.1b
¶11910657

IDC Error ellipse: s-maj=89.8km s-min=24.7km az=142.0.
ISC IX 20 19 50 03.6–5.6 12.2S–.10 167.6E–.20 291–55 4.3b 26 20-152
IDC IX 20 19 50 02.6–8.2 12.14S 167.56E 280–78 4.1,3.8b **¶11910727**
NEIC IX 20 19 50 03.4–3.9 12.19S 167.64E 292–37 4.6b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=37.1km s-min=25.1km az=137.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=14.8km az=121.0.
ISC IX 21 01 32 55.1–1.9 12.03S–.09 166.6E–.10 117–14 4.2b 18 7-95
ISCJB IX 21 01 32 54.7–2.1 12.06S–.09 166.6E–.10 126–17 4.2b **¶11910745**
IDC IX 21 01 32 58.7–6.5 11.89S 166.43E 146–50 3.9,3.9
NEIC IX 21 01 32 59.6–3.9 11.89S 166.41E 152–27 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=10.2km az=148.2.
IDC Error ellipse: s-maj=49.9km s-min=21.6km az=115.0.
NEIC Event type se. Error ellipse: s-maj=40.8km s-min=14.6km az=111.0.
IDC IX 22 11 19 56.7–8.0 12.02S 167.76E 0 3.9,3.8b
¶11910823

IDC Error ellipse: s-maj=218.7km s-min=50.9km az=122.0.
IDC IX 22 11 50 02.2–8.8 11.69S 165.66E 0 3.8,3.7b
¶11910826

IDC Error ellipse: s-maj=264.6km s-min=53.5km az=125.0.
IDC IX 25 17 08 27.5–22 11.64S 166.65E 282–200 3.2,2.9b
¶11911025

IDC Error ellipse: s-maj=203.0km s-min=55.8km az=131.0.
IDC IX 26 06 34 47.5–17 12.08S 167.28E 194–158 3.7,3.5b
¶11911071

IDC Error ellipse: s-maj=74.8km s-min=48.4km az=140.0.
IDC IX 26 15 54 42.2–37 12.06S 166.14E 0 3.9,3.8b
¶11911096

IDC Error ellipse: s-maj=641.1km s-min=97.2km az=65.0.
ISC IX 28 02 45 21.6–1.9 11.51S–.09 166.4E–.10 121–15 4.1b 23 7-150
ISCJB IX 28 02 45 21.3–2.1 11.54S–.09 166.3E–.10 132–18 4.0b **¶11911246**
IDC IX 28 02 45 21.1–1.2 11.39S 166.36E 118–8 4.0,3.8
NEIC IX 28 02 45 23.6–2.6 11.38S 166.31E 140–21 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=12.4km az=156.5.
IDC Error ellipse: s-maj=27.4km s-min=17.5km az=139.0.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=15.4km az=121.0.
IDC IX 29 08 52 36.6–2.8 12.87S 167.14E 0 3.7,3.5
¶11911328

IDC Error ellipse: s-maj=129.5km s-min=31.6km az=136.0.
ISC X 08 09 15 29.6–.23 12.15S–.04 166.63E–.04 106 4.9b 155 7-165
IDC X 08 09 15 27.5–.69 12.18S 166.71E 97–5 4.4,4.4 **¶11339740**
MOS X 08 09 15 27.7–.97 12.08S 166.55E 104 5.0b,4.4
BJI X 08 09 15 27.9 11.98S 166.89E 110 5.0b,4.8b
ISCJB X 08 09 15 27.9–.23 12.14S–.04 166.58E–.04 104 4.9b,4.8b
NEIC X 08 09 15 29.3–.22 12.09S 166.61E 109 5.0b,4.8b
LDG X 08 09 15 29.8–.25 12.13S 166.51E 120–0 4.9b,4.8b
GCMT X 08 09 15 30.3–.20 12.13S 166.45E 104–2 5.1W,4.8b
DJA X 08 09 15 41 12.37S 166.33E 200 5.1b,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=14.3km az=136.0.
MOS Error ellipse: s-maj=11.7km s-min=10.2km az=179.5.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.7km az=153.6.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.4km az=164.0.
LDG Event type ke. Error ellipse: s-maj=29.7km s-min=6.0km az=82.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s62,c79; s78,c121; Moment tensor: Scale 10^{16}Nm; M_{rr}3.53±.16 $M_{\theta\theta}$-0.40±.21; $M_{\phi\phi}$-3.13±.19; $M_{r\theta}$-1.48±.13; $M_{\theta\phi}$-0.78±.19; $M_{\phi r}$3.67±.11; Best double couple: NP1:ϕ_S209.00000°,δ25.00000°,λ127.00000°. NP2:ϕ_S350.00000°,δ70.00000°,λ74.00000°. Principal axes: T 5.6200,Plg62.0000°,Azm236.0000°; N -0.8600,Plg15.0000°,Azm355.0000°; P -4.7600,Plg24.0000°,Azm92.0000° $M_0$5.20000×10^{16}
ISC X 10 16 03 32.2–1.8 12.60S–.07 166.4E–.10 50–14 4.5b,3.5s 55 7-165
LDG X 10 16 03 25.6–.35 12.09S 166.74E 10–0 4.9b,3.5s **¶11369874**
ISCJB X 10 16 03 29.6–2.3 12.62S–.07 166.4E–.10 43–18 4.5b,3.5s
NEIC X 10 16 03 29.4–.40 12.49S 166.59E 35 4.8b,3.5s
IDC X 10 16 03 30.8–1.0 12.57S 166.48E 39–5 4.4L,4.2
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=42.1km s-min=9.3km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=22.7km s-min=10.2km az=160.7.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.5km az=95.0.
IDC Error ellipse: s-maj=25.9km s-min=16.8km az=103.0.
IDC X 10 19 24 52.0–2.3 10.45S 166.13E 0 4.1,4.0
¶12066529

IDC Error ellipse: s-maj=108.8km s-min=27.2km az=134.0.
IDC X 11 23 21 29.2–15 12.04S 166.96E 186–141 3.8,3.6b
¶12066611

IDC Error ellipse: s-maj=76.3km s-min=48.6km az=127.0.
IDC X 13 06 02 15.5–5.3 12.27S 165.79E 0 3.8,3.7b
¶12068531

IDC Error ellipse: s-maj=145.1km s-min=33.1km az=112.0.
IDC X 14 12 18 48.2–2.7 12.66S 167.21E 0 3.8,3.7
¶12068610

IDC Error ellipse: s-maj=133.6km s-min=29.7km az=135.0.
ISC X 16 21 27 33.9–4.0 11.7S–.10 166.15E–.08 26–29 3.6b 22 6-94
ISCJB X 16 21 27 29.7–5.5 11.7S–.10 166.14E–.08 11–35 3.6b **¶12068830**
IDC X 16 21 27 30.2–3.4 11.64S 166.16E 0 3.9,3.7b
NEIC X 16 21 27 35.1–.37 11.68S 166.15E 35 3.5b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=13.1km az=1.6.
IDC Error ellipse: s-maj=124.6km s-min=33.1km az=138.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.9km az=180.0.
IDC X 20 18 45 57.4–9.6 11.76S 166.13E 61–66 4.8L,4.0
¶12069149

IDC Error ellipse: s-maj=69.3km s-min=34.3km az=87.0.
ISC X 27 01 58 31.5–2.0 11.51S–.09 166.1E–.10 48–16 4.4b,3.6s 35 6-148
IDC X 27 01 58 24.2–.75 11.50S 166.26E 0 4.4,4.3 **¶11451549**
ISCJB X 27 01 58 29.0–2.5 11.55S–.09 166.1E–.10 41–20 4.4b,3.6s
NEIC X 27 01 58 30.1–2.7 11.48S 166.31E 40–22 4.8b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=19.5km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=11.2km az=147.4.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=11.7km az=89.0.
ISC X 31 11 31 55.8–4.4 11.56S–.08 165.14E–.07 29–31 4.4b,3.6s 49 6-150
ISCJB X 31 11 31 51.9–4.4 11.59S–.08 165.10E–.07 15–30 4.4b,3.6s **¶11451561**
IDC X 31 11 31 55.9–.87 11.57S 165.16E 30–5 5.0L,4.3
NEIC X 31 11 31 56.6–.34 11.56S 165.16E 35 4.7b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=10.7km az=32.3.
IDC Error ellipse: s-maj=23.3km s-min=14.2km az=139.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.4km az=148.0.
ISC XI 01 11 25 53.9–2.1 11.7S–.10 166.3E–.10 102–17 3.9b 20 7-94
IDC XI 01 11 25 52.9–7.1 11.69S 166.35E 93–52 3.8,3.8 **¶12071846**
ISCJB XI 01 11 25 53.2–2.6 11.7S–.10 166.3E–.20 108–21 3.9b,3.8
NEIC XI 01 11 25 53.8–1.6 11.67S 166.28E 100–13 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=50.6km s-min=27.2km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=29.4km s-min=14.6km az=140.9.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=13.4km az=63.0.
ISC XI 01 16 48 28.7–.21 12.67S–.03 167.00E–.05 216 4.5b 135 8-170
NOU XI 01 16 48 18.0–1.2 12.00S 165.25E 30–0 3.5L **¶11380774**
BJI XI 01 16 48 27.7 12.02S 167.22E 206 4.7b,4.6b
IDC XI 01 16 48 27.8–.69 12.71S 167.01E 207–5 4.2,4.2
ISCJB XI 01 16 48 27.3–.21 12.60S–.03 166.94E–.05 214 4.5b,4.2
LDG XI 01 16 48 28.5–.36 12.76S 166.83E 220–0 4.6b,4.2
NEIC XI 01 16 48 28.4–.19 12.61S 166.97E 214 4.6b,4.2
ISC Event type ke.
NOU Error ellipse: s-maj=18.8km s-min=121.6km az=-1.0.
IDC Error ellipse: s-maj=11.9km s-min=8.2km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.4km az=14.3.
LDG Event type ke. Error ellipse: s-maj=48.1km s-min=12.0km az=84.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.7km az=150.0.
ISC XI 03 12 07 49.7–2.0 10.72S–.10 166.1E–.10 171–18 3.8b 22 6-116
IDC XI 03 12 07 45.2–1.6 10.58S 166.10E 131–11 3.8,3.6 **¶12072121**
ISCJB XI 03 12 07 49.9–2.0 10.70S–.09 166.0E–.10 186–18 3.8b,3.6
NEIC XI 03 12 07 50.1–1.5 10.64S 166.02E 177–13 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=50.9km s-min=18.1km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=12.8km az=154.7.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=13.0km az=62.0.
IDC XI 04 13 43 54.4–3.7 10.48S 165.76E 0 3.9,3.7b
¶12072250

IDC Error ellipse: s-maj=159.5km s-min=31.3km az=136.0.
IDC XI 06 12 13 18.4–5.1 12.42S 167.48E 0 3.8,3.6
¶12072530

IDC Error ellipse: s-maj=244.9km s-min=30.2km az=142.0.
IDC XI 06 15 34 10.4–19 12.15S 167.08E 147–173 3.4,3.2b
¶12072548

IDC Error ellipse: s-maj=140.9km s-min=52.4km az=138.0.
ISC XI 09 18 45 16.4–1.0 11.4S–.20 166.3E–.20 35 3.9b,3.3s 25 21-117
IDC XI 09 18 45 08.6–.93 11.84S 166.68E 0 4.1,4.0 **¶12072986**
NEIC XI 09 18 45 15.9–.81 11.41S 166.37E 35 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=24.8km az=110.0.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=13.1km az=129.0.
ISC XI 09 20 15 45.0–4.3 12.05S–.07 165.83E–.09 28–29 4.6b,4.0s 59 6-164
ISCJB XI 09 20 15 39.3–4.4 12.03S–.07 165.82E–.07 3–27 4.6b,4.0s **¶11457806**
LDG XI 09 20 15 39.7–.32 12.07S 166.10E 10–0 5.0b,4.0s
IDC XI 09 20 15 40.4–.71 11.97S 165.88E 0 4.6,4.5
NEIC XI 09 20 15 45.9–1.7 12.00S 165.86E 38–14 4.7b,4.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=10.5km az=137.4.
LDG Event type ke. Error ellipse: s-maj=41.2km s-min=10.4km az=78.0.
IDC Error ellipse: s-maj=25.6km s-min=16.8km az=100.0.

NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.7km az=77.0.
ISC XI 11 19 07 00.8–1.3 12.68S–.07 166.02E–.07 49–11 4.4b,3.9s 44 7-165
ISCJB XI 11 19 06 57.7–1.8 12.71S–.07 166.00E–.07 36–15 4.4b,3.9s ¶11490421
IDC XI 11 19 06 59.6–1.0 12.77S 166.04E 36–6 5.1L,4.3
NEIC XI 11 19 07 00.4–1.4 12.72S 165.99E 44–12 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=9.9km az=44.2.
IDC Error ellipse: s-maj=24.5km s-min=18.3km az=125.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=10.3km az=214.0.
ISC XI 12 14 07 10.1–.93 11.7S–.10 166.6E–.20 35 3.9b 18 31-117
IDC XI 12 14 07 04.1–1.1 11.66S 166.70E 0 4.0,3.9 ¶12073306
ISCJB XI 12 14 07 08.2–.93 11.7S–.10 166.5E–.20 33 3.9b,3.9
NEIC XI 12 14 07 17.3–.85 11.74S 166.51E 100 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=23.0km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=28.4km s-min=18.7km az=11.8.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=19.8km az=111.0.
ISC XI 13 02 09 40.9–1.9 10.89S–.07 166.44E–.10 139–16 4.3b 59 7-165
IDC XI 13 02 09 36.4–6.0 10.83S 166.43E 98–52 4.2,4.2 ¶12073367
ISCJB XI 13 02 09 41.0–2.1 10.91S–.07 166.4E–.10 154–18 4.3b,4.2
NEIC XI 13 02 09 41.5–1.6 10.86S 166.43E 144–13 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=14.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=10.1km az=161.8.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.7km az=90.0.
ISC XI 16 00 18 48.4–1.0 12.65S–.05 166.39E–.06 61–9 4.9b 98 7-170
NOU XI 16 00 18 23.9–1.4 11.17S 163.36E 30–0 4.7L,4.4 ¶11490443
ISCJB XI 16 00 18 45.5–1.3 12.63S–.05 166.38E–.06 49–11 4.9b,4.0s
NEIC XI 16 00 18 46.6–1.7 12.73S 166.56E 54–15 4.9b,4.0s
IDC XI 16 00 18 47.3–6.4 12.71S 166.56E 59–56 4.3b,4.3
ISC Event type se.
NOU Error ellipse: s-maj=65.0km s-min=267.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=7.5km az=145.3.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.9km az=80.0.
IDC Error ellipse: s-maj=22.5km s-min=19.3km az=97.0.
ISC XI 17 11 31 49.8–.89 11.53S–.04 166.21E–.04 60–7 5.1b,4.6s 246 7-170
IDC XI 17 11 31 40.6–.43 11.47S 166.38E 0 4.9,4.9 ¶11456724
ISCJB XI 17 11 31 46.3–1.1 11.51S–.04 166.21E–.04 44–9 5.1b,4.6s
MOS XI 17 11 31 49.1–1.4 11.43S 166.13E 67 5.2b,4.6s
BJI XI 17 11 31 50.4 11.03S 166.23E 67 5.3b,5.0s
DJA XI 17 11 31 51 11.63S 167.67E 160 5.0b,5.0s
GCMT XI 17 11 31 51.0–.10 11.56S 166.00E 48–0 5.4W,5.0s
NEIC XI 17 11 31 52.0–1.2 11.51S 166.16E 80–11 5.0b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=12.4km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=6.2km az=19.4.
MOS Error ellipse: s-maj=9.3km s-min=8.1km az=6.4.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s98,c177; s92,c158; Moment tensor: Scale 10^{17}Nm; M_{rr}1.55±.02 $M_{\theta\theta}$-0.09±.02; $M_{\phi\phi}$-1.46±.02; $M_{r\theta}$-0.07±.02; $M_{\theta\phi}$0.44±.02; $M_{\theta r}$0.27±.02; Best double couple: NP1:ϕ_s163.00000°,δ40.00000°,λ90.00000°. NP2:ϕ_s344.00000°,δ50.00000°,λ90.00000°. Principal axes: T 1.5800,Plg85.0000° ,Azm257.0000°; N 0.0400,Plg0.0000°,Azm164.0000°; P -1.6100,Plg5.0000°,Azm74.0000° M_o1.60000×10^{17}
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.5km az=173.0.
IDC XI 17 13 45 14.9–4.2 10.16S 165.95E 0 3.7,3.5b
¶12073851
IDC Error ellipse: s-maj=205.4km s-min=31.2km az=139.0.
IDC XI 18 23 24 21.8–7.5 11.39S 166.57E 0 3.7,3.6b
¶12074073
IDC Error ellipse: s-maj=216.1km s-min=40.0km az=124.0.
ISC XI 20 19 10 00.7–.95 12.6S–.10 166.4E–.20 35 3.9b,3.2s 21 7-149
IDC XI 20 19 09 55.1–1.2 12.59S 166.42E 0 4.1,4.0 ¶12074302
ISCJB XI 20 19 09 58.9–.94 12.6S–.10 166.3E–.20 33 3.9b,3.2s
NEIC XI 20 19 09 59.2–8.5 12.60S 166.41E 26–54 3.4b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=23.8km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=18.6km az=10.5.
NEIC Event type se. Error ellipse: s-maj=34.4km s-min=15.3km az=98.0.
ISC XI 22 10 01 31.4–2.0 10.84S–.09 166.1E–.10 96–15 4.2b 25 6-94
ISCJB XI 22 10 01 30.6–2.5 10.87S–.09 166.0E–.10 102–20 4.2b ¶12074488
NEIC XI 22 10 01 31.3–1.5 10.86S 166.08E 97–12 4.6b
IDC XI 22 10 01 31.0–6.5 10.84S 166.05E 92–48 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.8km s-min=10.2km az=149.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=13.2km az=73.0.
IDC Error ellipse: s-maj=48.4km s-min=25.1km az=119.0.
IDC XI 24 00 23 31.5–67 12.96S 167.46E 0 4.3,4.1b
¶12074625
IDC Error ellipse: s-maj=1134.0km s-min=119.3km az=63.0.
ISC XI 26 11 53 27.9–1.9 11.42S–.09 166.3E–.10 69–15 4.2b 33 7-165
IDC XI 26 11 53 25.4–5.1 11.47S 166.39E 49–41 4.8L,4.2 ¶12074892
ISCJB XI 26 11 53 26.0–2.5 11.44S–.09 166.3E–.10 65–20 4.2b,4.2
NEIC XI 26 11 53 26.7–.53 11.49S 166.38E 63 4.8b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=22.2km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=12.7km az=145.7.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.6km az=143.0.
ISC XI 28 19 51 13.2–2.7 11.71S–.09 166.5E–.10 106–20 4.3b 56 7-165
ISCJB XI 28 19 51 10.8–3.1 11.74S–.09 166.5E–.10 99–23 4.3b ¶12075172
NEIC XI 28 19 51 12.5–2.2 11.69S 166.48E 102–17 4.3b
IDC XI 28 19 51 13.3–4.4 11.69S 166.49E 107–35 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=14.6km az=1.6.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.8km az=106.0.
IDC Error ellipse: s-maj=27.0km s-min=16.7km az=99.0.
ISC XI 30 15 40 41.7–1.5 10.92S–.07 166.02E–.07 56–13 4.3b,3.8s 60 6-165
ISCJB XI 30 15 40 39.2–2.0 10.93S–.07 166.00E–.07 49–17 4.3b,3.8s ¶11653358
IDC XI 30 15 40 39.5–2.8 10.92S 166.05E 37–23 5.0L,4.2
NEIC XI 30 15 40 41.3–1.2 10.89S 166.04E 55–10 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=9.7km az=138.8.
IDC Error ellipse: s-maj=16.1km s-min=16.0km az=48.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.5km az=212.0.
ISC XII 01 13 01 57.1–6.0 11.9S–.20 166.4E–.10 30–43 3.5b 13 7-95
IDC XII 01 13 01 52.6–2.2 11.89S 166.47E 0 4.2L,3.7 ¶12075410
ISCJB XII 01 13 01 53.9–5.7 12.0S–.20 166.4E–.10 18–41 3.5b,3.7
NEIC XII 01 13 01 57.2–6.0 11.91S 166.44E 31–42 3.5b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=69.7km s-min=31.1km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=31.5km s-min=14.1km az=36.3.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=17.5km az=57.0.
ISC XII 02 15 00 49.8–1.0 12.68S–.05 166.69E–.07 117–9 4.7b 114 7-165
LDG XII 02 15 00 45.5–.34 12.22S 166.69E 80–0 4.8b,4.1s ¶12075515
NOU XII 02 15 00 46.1–1.3 12.37S 166.09E 30–999 4.2,4.0L
NEIC XII 02 15 00 47.2–.29 12.59S 166.76E 96 5.0b,4.0L
IDC XII 02 15 00 47.6–.70 12.63S 166.72E 98–5 4.3,4.3
ISCJB XII 02 15 00 48.5–1.3 12.68S–.05 166.64E–.07 117–11 4.7b,4.3
BJI XII 02 15 00 55.1 12.66S 166.49E 172 4.9b,4.6b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=42.9km s-min=9.6km az=83.0.
NOU Error ellipse: s-maj=999.9km s-min=462.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.7km az=143.0.
IDC Error ellipse: s-maj=13.4km s-min=12.5km az=128.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.9km az=155.7.
ISC XII 10 09 15 07.8–1.7 11.31S–.08 166.32E–.09 89–14 4.4b 48 7-117
IDC XII 10 09 15 05.2–3.8 11.33S 166.45E 68–31 4.2,4.1 ¶12076705
ISCJB XII 10 09 15 06.5–2.1 11.34S–.08 166.28E–.09 89–17 4.4b,4.1
NEIC XII 10 09 15 07.7–1.5 11.33S 166.38E 90–13 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=17.2km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=12.2km az=157.5.

NEIC Event type se. Error ellipse: s-maj=12.8km s-min=11.1km az=135.0.
ISC XII 10 13 15 36.7–.09 12.37S–.02 166.54E–.02 65 5.8b 665 7-170
NOU XII 10 13 15 29.9–.75 11.83S 167.43E 30–0 4.9L,4.6 ¶13402397
IDC XII 10 13 15 32.9–1.2 12.38S 166.64E 37–8 5.4,5.4
MOS XII 10 13 15 34.1–1.3 12.30S 166.49E 54 5.8b,5.6s
ISCJB XII 10 13 15 34.7–.09 12.39S–.02 166.49E–.02 62 5.9b,5.6s
NEIC XII 10 13 15 34.4–.12 12.34S 166.57E 51 6.0W,5.9W
BJI XII 10 13 15 35.2 11.96S 166.68E 62 6.0b,5.9b
GCMT XII 10 13 15 39.2–.10 12.33S 166.32E 67–0 6.0W,5.9b
DJA XII 10 13 15 40 12.41S 166.48E 85 6.3W,5.9b
ISC Event type se.
NOU Error ellipse: s-maj=16.0km s-min=113.5km az=-1.0.
IDC Error ellipse: s-maj=9.9km s-min=9.4km az=151.0.
MOS Error ellipse: s-maj=7.1km s-min=6.6km az=94.6.
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=2.5km az=144.4.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.6km az=130.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s76 Moment tensor: Scale 10^{18}Nm; M_{rr}1.18 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$-0.02 $M_{r\theta}$-0.54 $M_{\theta\phi}$0.10 $M_{\theta r}$-0.13 Best double couple: NP1:ϕ_s102.00000°,δ33.00000°,λ103.00000°. NP2: ϕ_s267.00000°,δ58.00000°,λ82.00000°. Principal axes: T 1.3200,Plg75.0000°,Azm152.0000° ; N -0.0300,Plg7.0000°,Azm271.0000°; P -1.2800,Plg12.0000°,Azm3.0000° M_o1.30000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=118, comp=265, per= 50. Moment Tensor Solution. s118,c269; s77,c97; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\theta r}$0.00 Best double couple: NP1:ϕ_s125.00000° ,δ32.00000°,λ118.00000°. NP2:ϕ_s273.00000°,δ62.00000°,λ74.00000°. Principal axes: T 1.1900,Plg68.0000°,Azm150.0000°; N 0.0200,Plg14.0000°,Azm280.0000° ; P -1.2100,Plg16.0000°,Azm14.0000° M_o1.20000×10^{18}
ISC XII 12 00 29 56.7–.78 11.1S–.20 167.63E–.09 35 4.0b 16 12-95
IDC XII 12 00 29 51.6–1.2 10.92S 167.56E 0 4.3,4.2b ¶12077034
ISCJB XII 12 00 29 54.5–.78 11.2S–.20 167.67E–.09 33 4.0b,4.2b
NEIC XII 12 00 29 56.6–.59 11.12S 167.64E 35 4.0b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=44.2km s-min=23.1km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=12.6km az=2.1.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=9.8km az=182.0.
IDC XII 14 08 38 36.5–2.3 11.14S 165.46E 0 4.4L,3.6
¶12077423
IDC Error ellipse: s-maj=73.7km s-min=33.1km az=145.0.
IDC XII 16 03 49 54.4–4.4 11.18S 165.71E 0 3.9,3.8b
¶12077708
IDC Error ellipse: s-maj=193.7km s-min=37.8km az=136.0.
IDC XII 20 04 25 59.0–4.1 11.05S 165.94E 0 3.8,3.7
¶12078284
IDC Error ellipse: s-maj=174.5km s-min=32.4km az=137.0.
ISC XII 22 10 47 10.0–1.0 12.00S–.05 166.29E–.06 54–9 4.9b,3.7s 76 7-165
ISCJB XII 22 10 47 07.2–1.3 12.02S–.05 166.27E–.06 43–12 4.9b,3.7s ¶11613266
IDC XII 22 10 47 09.0–3.3 12.00S 166.39E 50–27 4.7L,4.4
NEIC XII 22 10 47 10.4–.82 12.00S 166.33E 62–8 4.9b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=8.5km az=158.0.
IDC Error ellipse: s-maj=22.8km s-min=15.2km az=71.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.6km az=132.0.
ISC XII 28 20 25 33.5–1.7 11.27S–.07 166.40E–.10 95–14 4.3b 49 7-165
IDC XII 28 20 25 31.5–.87 11.31S 166.50E 76–5 4.1,4.0 ¶11613306
NEIC XII 28 20 25 31.6–.43 11.33S 166.46E 78 5.0b,4.0
ISCJB XII 28 20 25 32.6–2.2 11.30S–.07 166.4E–.10 100–18 4.3b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 31 06 54 11.4–2.1 11.19S 165.46E 0 4.0,3.7
¶12079633
IDC Error ellipse: s-maj=107.4km s-min=25.1km az=143.0.
IDC XII 31 15 34 33.3–10 12.60S 166.68E 0 3.6b,3.6
¶12079669
IDC Error ellipse: s-maj=288.5km s-min=50.1km az=123.0.

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IDC VII 23 05 14 08.1–7.0 14.56S 170.53E 627–88 3.5,3.3b
¶12698398
IDC Error ellipse: s-maj=64.4km s-min=36.1km az=137.0.
ISC VIII 02 14 20 54.7–3.2 19.59S–.06 167.52E–.09 27–24 4.3b,3.5s 31 3-165
IDC VIII 02 14 20 49.9–.96 19.53S 167.70E 0 4.5,4.4 ¶11907703
ISCJB VIII 02 14 20 53.8–3.2 19.57S–.07 167.48E–.09 32–23 4.3b,3.6s
NEIC VIII 02 14 20 55.8–1.7 19.60S 167.54E 38–17 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=24.0km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=10.1km az=24.1.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=12.1km az=157.0.
IDC VIII 03 21 49 38.0–3.7 13.21S 171.21E 0 4.2,4.0b
¶12580914
IDC Error ellipse: s-maj=198.0km s-min=34.3km az=134.0.
ISC VIII 10 04 00 54.4–.65 21.2S–.10 174.0E–.10 35 4.3b,4.0s 17 5-169
IDC VIII 10 04 00 48.8–.95 21.12S 174.00E 0 4.4,4.2 ¶11908017
ISCJB VIII 10 04 00 52.5–.66 21.2S–.10 174.0E–.10 33 4.3b,4.0s
GCMT VIII 10 04 00 53.8–.40 20.94S 174.06E 27–1 5.1W,4.0s
NEIC VIII 10 04 00 54.8–3.5 21.16S 174.00E 40–31 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=25.1km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=14.1km az=40.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s29,c31; s73,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.86±.22 $M_{\theta\theta}$-4.09±.18; $M_{\phi\phi}$4.95±.20; $M_{r\theta}$-0.74±.35; $M_{\theta\phi}$-1.50±.17; $M_{\theta r}$1.97±.30; Best double couple: NP1:ϕ_s37.00000°,δ72.00000°,λ7.00000°. NP2:ϕ_s305.00000°,δ83.00000°,λ162.00000°. Principal axes: T 5.8300,Plg17.0000° ,Azm260.0000°; N -1.4400,Plg71.0000°,Azm105.0000°; P -4.3900,Plg8.0000° ,Azm352.0000° M_o5.10000×10^{16}
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=11.0km az=212.0.
IDC VIII 25 15 02 39.5–3.6 20.17S 174.36E 0 4.0,3.7b
¶12581389
IDC Error ellipse: s-maj=147.8km s-min=33.4km az=144.0.
IDC IX 05 15 54 23.6–3.1 21.08S 173.37E 0 4.2,3.9
¶11279448
IDC Error ellipse: s-maj=172.6km s-min=30.0km az=159.0.
IDC IX 16 21 41 39.7–66 19.02S 167.93E 0 4.8,4.7b
¶11910431
IDC Error ellipse: s-maj=1111.0km s-min=103.9km az=74.0.
IDC IX 17 15 44 19.5–67 13.27S 164.79E 0 4.1,3.9b
¶11910488
IDC Error ellipse: s-maj=1119.0km s-min=106.8km az=61.0.
IDC X 02 04 06 33.9–38 15.51S 172.60E 0 4.4,4.2b
¶11911681
IDC Error ellipse: s-maj=658.4km s-min=126.1km az=66.0.
IDC X 09 16 13 55.2–77 19.49S 174.89E 0 3.8,3.6b
¶12066444
IDC Error ellipse: s-maj=1342.0km s-min=155.7km az=78.0.
ISC X 19 19 25 23.6–.56 20.8S–.10 173.1E–.10 35 4.2s,4.1b 30 6-169
IDC X 19 19 25 18.1–.79 20.86S 173.17E 0 4.3,4.2 ¶12069072
GCMT X 19 19 25 21.7–.40 20.79S 173.42E 15–2 4.9W,4.2
ISCJB X 19 19 25 21.6–.56 20.9S–.10 173.13E–.10 33 4.2s,4.1b
NEIC X 19 19 25 23.5–.44 20.82S 173.11E 35 4.7b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=20.8km az=144.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s14,c14; s63,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}0.22±.12 $M_{\theta\theta}$-2.45±.11; $M_{\phi\phi}$2.23±.11; $M_{r\theta}$1.06±.43; $M_{\theta\phi}$-0.10±.10; $M_{\theta r}$0.40±.34; Best double couple: NP1:ϕ_s316.00000°,δ68.00000°,λ-174.00000°. NP2:ϕ_s223.00000°,δ85.00000°,λ-22.00000°. Principal axes: T 2.3100,Plg12.0000° ,Azm271.0000°; N 0.5200,Plg67.0000°,Azm31.0000°; P -2.8300,Plg19.0000°,Azm177.0000° M_o2.60000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=10.8km az=157.3.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=10.0km az=155.0.
IDC XI 16 15 58 24.4–78 17.86S 165.65E 0 4.0,3.8b
¶12073763

IDC Error ellipse: s-maj=1307.0km s-min=105.6km az=70.0.
ISC XI 17 13 16 35.0–.12 16.88S–.04 171.99E–.02 35 5.4b,4.8s 601 6-170
NOU XI 17 13 15 10.2–1.1 9.32S 171.01E 30–0 5.4b,4.8s ¶11456728
SZGRF XI 17 13 16 27.5 19.09S 172.68E 33 5.4b,4.8s
IDC XI 17 13 16 28.8–.41 16.88S 172.09E 0 5.2,5.1
DJA XI 17 13 16 29 16.96S 172.30E 10 5.7W,5.1
BJI XI 17 13 16 33.0 16.32S 172.11E 22 5.8b,5.5s
MOS XI 17 13 16 33.2–1.1 16.86S 172.00E 35 5.5b,5.5s
ISCJB XI 17 13 16 33.1–.12 16.92S–.04 171.94E–.02 33 5.4b,4.8s
NEIC XI 17 13 16 35.0–.79 16.84S 172.00E 39–7 5.3b,4.8s
GCMT XI 17 13 16 36.3–.10 16.78S 172.00E 12 5.4W,4.8s
ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SZGRF Vanuatu Islands region.
IDC Error ellipse: s-maj=14.7km s-min=12.5km az=132.0.
MOS Error ellipse: s-maj=10.0km s-min=7.9km az=8.3.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=2.7km az=163.4.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.3km az=161.0.
GCMT Event type se. Data Used: IU II IC G CN. Surface waves from 105 sta. Moment Tensor Solution. s61,c109; s99,c197; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.26±.03 $M_{\theta\theta}$1.62±.02; $M_{\phi\phi}$-0.36±.03; $M_{r\theta}$-0.10±.07; $M_{\theta\phi}$-0.77±.02; $M_{\phi r}$0.15±.08; Best double couple: NP1: ϕ_s280.00000°,δ43.00000°,λ-103.00000°. NP2:ϕ_s118.00000°,δ48.00000°,λ-78.00000°. Principal axes: T 1.8900,Plg3.0000°,Azm199.0000°; N -0.6100,Plg9.0000°,Azm289.0000° ; P -1.2800,Plg81.0000°,Azm94.0000° $M_0$1.60000×10^{17}
ISC XI 18 12 53 59.4–.61 16.7S–.10 172.02E–.09 35 4.0b 21 6-87
IDC XI 18 12 53 53.9–1.1 16.79S 172.09E 0 4.2,4.0b ¶12074008
ISCJB XI 18 12 53 57.2–.61 16.6S–.10 172.05E–.09 33 4.0b,4.0b
NEIC XI 18 12 53 59.4–.59 16.69S 172.03E 35 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=21.9km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=11.0km az=162.9.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=10.9km az=161.0.
IDC XI 22 02 21 48.1–36 14.08S 170.60E 0 3.9,3.8b
¶12074464
IDC Error ellipse: s-maj=637.1km s-min=117.1km az=71.0.
IDC XII 11 09 09 01.4–57 13.02S 164.94E 0 4.0,3.8b
¶12076881
IDC Error ellipse: s-maj=957.5km s-min=107.9km az=62.0.
IDC XII 11 21 17 01.3–68 14.70S 164.93E 0 3.8,3.7s
¶12077005
IDC Error ellipse: s-maj=1136.0km s-min=108.3km az=64.0.
ISC XII 12 16 11 38.4–3.9 16.6S–.20 171.2E–.30 60–19 4.3b 18 7-73
ISCJB XII 12 16 11 36.4–4.6 16.6S–.20 171.2E–.30 58–25 4.3b ¶12077144
IDC XII 12 16 11 36.4–33 17.89S 170.80E 0 4.7,4.5b
NEIC XII 12 16 11 37.8–4.1 16.56S 171.25E 58–21 4.0b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=57.6km s-min=22.4km az=157.9.
IDC Error ellipse: s-maj=575.8km s-min=101.2km az=77.0.
NEIC Event type se. Error ellipse: s-maj=51.1km s-min=21.9km az=68.0.
IDC XII 26 01 10 28.5–1.8 21.90S 174.75E 0 3.8,3.7
¶12078978
IDC Error ellipse: s-maj=77.6km s-min=33.7km az=147.0.

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IDC VII 03 14 42 48.5–71 18.65S 168.96E 0 3.9,3.7b
¶12697978
IDC Error ellipse: s-maj=1198.0km s-min=116.9km az=73.0.
IDC VII 03 18 21 09.9–14 14.21S 167.88E 0 4.1,4.0
¶12697988
IDC Error ellipse: s-maj=243.0km s-min=110.3km az=58.0.
ISC VII 03 21 46 24.4–.37 15.83S–.04 166.31E–.06 41 4.5b,3.8s 60 6-155
LDG VII 03 21 46 21.5–.12 15.78S 165.34E 10–0 4.7b,3.8s ¶11108356
ISCJB VII 03 21 46 22.3–.38 15.84S–.04 166.32E–.07 39 4.5b,3.8s
BJI VII 03 21 46 22.2 15.17S 166.58E 19 5.0b,5.0b
IDC VII 03 21 46 24.5–1.1 15.78S 166.29E 41–6 4.6L,4.2b
NEIC VII 03 21 46 24.4–.97 15.79S 166.33E 44–9 4.6b,4.2b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=26.3km s-min=3.0km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.3km az=171.9.
IDC Error ellipse: s-maj=23.9km s-min=17.5km az=119.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.7km az=72.0.
IDC VII 04 14 39 14.7–56 14.85S 166.29E 0 4.1,4.0b
¶12698006
IDC Error ellipse: s-maj=948.9km s-min=107.1km az=66.0.
ISC VII 05 00 37 06.6–2.3 20.7S–.40 169.2E–.30 48–22 4.3b,3.6s 16 3-97
IDC VII 05 00 36 41.0–22 19.78S 171.39E 0 4.5,4.4 ¶12698017
NOU VII 05 00 37 04.3–.79 20.12S 169.04E 10–0 3.6L,2.8
IDC Error ellipse: s-maj=374.7km s-min=112.1km az=67.0.
NOU Error ellipse: s-maj=20.2km s-min=19.0km az=-1.0.
ISC VII 05 12 14 52.3–.78 19.18S–.06 169.14E–.05 161–8 4.6b 197 4-152
LDG VII 05 12 14 46.4–.89 20.47S 170.72E 150–0 4.6b ¶11108365
NOU VII 05 12 14 50.9–1.2 18.62S 168.84E 30–0 3.6L,3.5
ISCJB VII 05 12 14 51.9–.78 19.20S–.06 169.11E–.05 170–8 4.6b,3.5
IDC VII 05 12 14 51.1–.92 19.13S 169.06E 148–7 4.4,4.3
NEIC VII 05 12 14 51.5–.27 19.13S 169.07E 149 4.9b,4.3
BJI VII 05 12 15 00.6 19.23S 169.07E 254 4.8b,4.7b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=109.7km s-min=3.1km az=147.0.
NOU Error ellipse: s-maj=61.4km s-min=73.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.0km az=161.3.
IDC Error ellipse: s-maj=16.4km s-min=13.8km az=133.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.6km az=146.0.
IDC VII 07 09 43 52.2–98 14.89S 166.89E 0 4.5,4.4b
¶12698056
IDC Error ellipse: s-maj=1649.0km s-min=117.1km az=64.0.
ISC VII 07 11 21 04.9–2.5 14.9S–.10 167.4E–.10 111–21 4.2b 24 7-120
NOU VII 07 11 20 58.2–1.2 14.39S 166.83E 30–0 4.3L,3.5 ¶11284355
ISCJB VII 07 11 21 04.3–2.8 15.0S–.10 167.4E–.10 117–24 4.2b,3.5
NEIC VII 07 11 21 06.0–3.6 15.01S 167.41E 123–29 4.2b,3.5
IDC VII 07 11 21 11.8–11 15.09S 167.27E 172–100 4.0,3.9b
ISC Event type se.
NOU Error ellipse: s-maj=12.0km s-min=90.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=17.1km az=145.9.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=17.7km az=204.0.
IDC Error ellipse: s-maj=51.3km s-min=22.0km az=47.0.
ISC VII 09 10 02 26.1–1.5 13.77S–.08 167.2E–.10 218–17 4.6b 72 8-153
BJI VII 09 10 02 23.8 13.18S 167.33E 193 4.7b,4.6b ¶11159727
IDC VII 09 10 02 24.6–1.9 13.76S 167.06E 199–16 4.1b,4.1
ISCJB VII 09 10 02 24.9–1.7 13.70S–.08 167.2E–.10 219–19 4.6b,4.1
NEIC VII 09 10 02 24.7–.42 13.69S 167.13E 200 4.7b,4.1
MOS VII 09 10 02 28.4–1.0 13.54S 166.71E 232 4.8b,4.1
LDG VII 09 10 02 33.9–.30 14.66S 166.08E 290–0 4.7b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=10.3km az=131.0.
ISCJB Event type ke. Error ellipse: s-maj=19.6km s-min=10.3km az=33.3.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.4km az=114.0.
MOS Error ellipse: s-maj=12.1km s-min=11.4km az=68.2.
LDG Event type ke. Error ellipse: s-maj=43.2km s-min=12.2km az=79.0.
ISC VII 10 03 35 00.7–3.0 15.0S–.20 165.5E–.30 35 4.0b 11 7-31
IDC VII 10 03 34 22.3–14 13.02S 168.96E 0 4.4,4.2b ¶11284368
NOU VII 10 03 34 54.5–1.7 14.51S 167.78E 30–0 4.3L,3.7
IDC Error ellipse: s-maj=244.0km s-min=108.5km az=59.0.
NOU Error ellipse: s-maj=21.3km s-min=124.4km az=-1.0.
ISC VII 10 05 16 28.5–.10 15.26S–.02 167.54E–.02 127 5.4b 497 7-169
NOU VII 10 05 16 24.3–.99 14.88S 167.64E 30–0 4.7L,3.9 ¶13388644
MOS VII 10 05 16 26.2–1.2 15.17S 167.48E 113 5.2b,4.2s
BJI VII 10 05 16 26.2 14.87S 167.65E 112 5.3b,5.1b
LDG VII 10 05 16 26.5–.30 15.00S 166.95E 100–0 5.6b,3.9s
ISCJB VII 10 05 16 26.9–.10 15.25S–.02 167.47E–.02 125 5.4b,3.9s
NEIC VII 10 05 16 28.0–.13 15.20S 167.52E 123 5.3b,3.9s
IDC VII 10 05 16 28.2–.50 15.26S 167.61E 126–4 5.1,5.1
GCMT VII 10 05 16 29.9–.20 15.25S 167.26E 128–1 5.3W,5.1
DJA VII 10 05 16 40 15.46S 167.42E 230 5.5W,5.1
ISC Event type ke.
NOU Error ellipse: s-maj=11.3km s-min=63.4km az=-1.0.
MOS Error ellipse: s-maj=9.2km s-min=8.4km az=90.6.
LDG Event type ke. Error ellipse: s-maj=41.1km s-min=9.9km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=139.3.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.6km az=152.0.
IDC Error ellipse: s-maj=13.2km s-min=10.1km az=83.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 105 sta. Moment Tensor Solution. s79,c114; s99,c188; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s237.00000°,δ52.00000°,λ132.00000°. NP2:ϕ_s1.00000°,δ54.00000°,λ49.00000°. Principal axes: T 1.1400,Plg58.0000° ,Azm210.0000°; N 0.0400,Plg32.0000°,Azm27.0000°; P -1.1800,Plg1.0000°,Azm118.0000° $M_0$1.20000×10^{17}
ISC VII 10 16 01 04.9–.12 20.09S–.03 169.19E–.03 48 5.3b,4.3s 394 3-156
LDG VII 10 16 01 00.0–.17 19.57S 169.07E 10–0 5.5b,4.1s ¶11652714
NOU VII 10 16 01 02.6–.83 19.71S 169.06E 10–0 3.7L,3.5
ISCJB VII 10 16 01 03.2–.12 20.05S–.03 169.13E–.03 46 5.3b,4.3s
SZGRF VII 10 16 01 04.1 19.72S 171.10E 43 5.3b,4.3s
IDC VII 10 16 01 04.7–.60 20.05S 169.16E 48–4 4.9,4.9
MOS VII 10 16 01 06.7–2.7 18.93S 168.81E 33 5.4b,4.4s
BJI VII 10 16 01 06.0 19.69S 169.47E 68 5.0b,5.0b
NEIC VII 10 16 01 06.5–1.6 20.08S 169.21E 70–14 5.2b,5.0b
GCMT VII 10 16 01 08.4–.20 20.04S 169.02E 54–0 5.1W,5.0b
DJA VII 10 16 01 27 20.38S 168.32E 210 5.1b,5.0b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=17.2km s-min=5.1km az=123.0.
NOU Error ellipse: s-maj=19.8km s-min=22.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.4km az=147.7.
SZGRF Vanuatu Islands region.
IDC Error ellipse: s-maj=16.5km s-min=12.5km az=144.0.
MOS Error ellipse: s-maj=11.3km s-min=8.8km az=133.6.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.6km az=170.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s61,c85; s73,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}5.53±.16 $M_{\theta\theta}$-0.78±.13; $M_{\phi\phi}$-4.75±.13; $M_{r\theta}$-0.38±.11; $M_{\theta\phi}$2.85±.10; $M_{\phi r}$1.37±.10; Best double couple: NP1:ϕ_s149.00000°,δ38.00000°,λ85.00000°. NP2:ϕ_s336.00000°,δ52.00000°,λ94.00000°. Principal axes: T 5.7100,Plg83.0000° ,Azm269.0000°; N 0.6900,Plg3.0000°,Azm153.0000°; P -6.4000,Plg7.0000°,Azm63.0000° $M_0$6.10000×10^{16}
ISC VII 12 12 22 55.6–2.2 18.4S–.10 168.1E–.20 44–21 4.1b,3.5s 25 4-160
IDC VII 12 12 22 47.5–2.2 18.57S 168.35E 0 4.2,4.1 ¶11136607
NEIC VII 12 12 22 50.4–.61 18.38S 168.18E 10 4.3b,4.1
LDG VII 12 12 22 52.0–.15 18.04S 167.42E 10–0 4.2b,4.1
NOU VII 12 12 22 53.7–.80 18.06S 167.48E 30–0 3.4L,3.1
ISCJB VII 12 12 22 54.7–2.1 18.5S–.10 168.0E–.20 50–20 4.1b,3.5s
ISC Event type ke.
NEIC Event type se.
LDG Event type ke.
ISCJB Event type ke.
ISC VII 12 17 34 38.0–1.6 15.54S–.09 167.4E–.20 135–13 4.0b 19 7-151
LDG VII 12 17 34 23.5–.54 15.09S 167.17E 10–0 4.2b ¶11159729
ISCJB VII 12 17 34 37.2–1.7 15.56S–.09 167.4E–.20 145–14 4.0b
IDC VII 12 17 34 39.2–8.6 15.53S 167.35E 147–61 3.9,3.8b
NEIC VII 12 17 34 40.9–2.9 15.43S 167.31E 163–23 4.1b,3.8b
NOU VII 12 17 34 42.0–.49 16.12S 164.20E 30–0 3.3,3.8b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=63.7km s-min=34.7km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=26.5km s-min=13.7km az=160.9.
IDC Error ellipse: s-maj=72.7km s-min=21.0km az=114.0.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=14.0km az=97.0.
NOU Error ellipse: s-maj=263.2km s-min=554.4km az=-1.0.
ISC VII 13 12 02 18.9–1.3 18.30S–.07 168.14E–.07 46–12 4.2b,4.2s 47 4-154
LDG VII 13 12 02 11.0–.12 18.51S 169.42E 10–0 4.4b,4.2s ¶11136609
IDC VII 13 12 02 11.5–.74 18.16S 168.26E 0 4.8L,4.3
NOU VII 13 12 02 16.6–.89 17.95S 167.74E 30–0 4.6L,3.1
NEIC VII 13 12 02 17.5–.45 18.09S 168.14E 35 4.4b,3.1
ISCJB VII 13 12 02 17.2–1.5 18.31S–.07 168.13E–.07 46–14 4.2b,4.2s
GCMT VII 13 12 02 20.0–.30 18.21S 168.12E 40–1 5.0W,4.2s
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=12.5km s-min=2.1km az=118.0.
IDC Error ellipse: s-maj=21.3km s-min=18.1km az=69.0.
NOU Error ellipse: s-maj=11.6km s-min=34.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=9.4km az=160.0. Felt at Port-Vila.
ISCJB Event type fe. Error ellipse: s-maj=13.9km s-min=9.1km az=140.9.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s35,c41; s64,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}2.75±.17 $M_{\theta\theta}$0.03±.12; $M_{\phi\phi}$-2.78±.11; $M_{r\theta}$0.44±.11; $M_{\theta\phi}$0.53±.11; $M_{\phi r}$-2.25±.11; Best double couple: NP1:ϕ_s350.00000°,δ25.00000°,λ91.00000°. NP2:ϕ_s169.00000°,δ65.00000°,λ90.00000°. Principal axes: T 3.5700,Plg70.0000° ,Azm78.0000°; N 0.1300,Plg0.0000°,Azm169.0000°; P -3.6900,Plg20.0000°,Azm260.0000° $M_0$3.60000×10^{16}
ISC VII 13 14 15 44.5–.91 14.8S–.10 170.0E–.10 630–16 3.6b 19 8-155
ISCJB VII 13 14 15 43.9–.95 14.8S–.20 170.0E–.10 645–18 3.5b ¶11811471
NEIC VII 13 14 15 43.9–.68 14.70S 170.08E 628–10 3.7b
IDC VII 13 14 15 45.0–2.1 14.65S 169.79E 623–20 3.2,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=18.1km az=148.9.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=12.1km az=166.0.
IDC Error ellipse: s-maj=32.2km s-min=14.4km az=139.0.
IDC VII 13 22 14 47.3–81 17.98S 167.37E 0 4.2,4.0
¶12698200
IDC Error ellipse: s-maj=1360.0km s-min=119.2km az=71.0.
ISC VII 14 11 44 18.5–1.5 16.25S–.08 168.0E–.10 186–13 4.3b 38 6-168
LDG VII 14 11 44 12.8–.14 15.67S 167.67E 120–0 4.1b ¶11159736
BJI VII 14 11 44 14.6 16.20S 168.00E 170 4.6b,4.5b
NEIC VII 14 11 44 16.6–4.5 16.22S 167.98E 171–41 4.7b,4.5b
ISCJB VII 14 11 44 17.9–1.5 16.26S–.08 168.0E–.10 195–14 4.3b,4.5b
IDC VII 14 11 44 18.2–.81 16.26S 168.00E 186–6 4.1,4.0
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=21.0km s-min=3.5km az=93.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=10.8km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=13.3km az=165.5.
IDC Error ellipse: s-maj=15.6km s-min=13.5km az=103.0.
ISC VII 18 13 19 10.9–1.2 14.95S–.05 167.34E–.09 119–9 4.2b 41 7-166
LDG VII 18 13 18 58.6–.30 14.15S 167.33E 10–0 4.7b ¶11163181
NOU VII 18 13 19 04.0–1.4 14.37S 166.26E 30–0 4.2L,3.7
ISCJB VII 18 13 19 09.8–1.4 14.97S–.05 167.31E–.10 124–12 4.2b,3.7
IDC VII 18 13 19 09.9–.68 14.91S 167.36E 111–4 4.2,4.2
NEIC VII 18 13 19 10.1–.26 14.94S 167.38E 112 4.4b,4.2
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=47.3km s-min=8.2km az=89.0.
NOU Error ellipse: s-maj=13.6km s-min=107.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=7.1km az=157.1.
IDC Error ellipse: s-maj=15.6km s-min=12.6km az=99.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.9km az=96.0.
ISC VII 18 20 35 42.8–2.5 20.2S–.30 169.5E–.20 113–16 4.4b 15 3-147
IDC VII 18 20 33 04.4–2.5 15.44S 172.57W 0 4.8,4.6b ¶12698294
NOU VII 18 20 35 40.6–.97 19.70S 169.45E 10–0 4.3L,2.9
SZGRF VII 18 20 35 42.5 19.78S 170.93E 117 4.3L,2.9
IDC Error ellipse: s-maj=86.3km s-min=24.8km az=132.0.
NOU Error ellipse: s-maj=29.4km s-min=28.2km az=-1.0.
SZGRF Vanuatu Islands.
ISC VII 22 08 45 23.1–3.5 17.7S–.20 166.9E–.40 11–37 4.6b 11 4-151
LDG VII 22 08 45 15.3–.56 17.64S 169.03E 10–0 4.6b ¶11163215
NOU VII 22 08 45 22.7–1.5 17.31S 166.48E 30–0 3.4,1.6s
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=90.7km s-min=3.3km az=111.0.
NOU Error ellipse: s-maj=20.5km s-min=116.3km az=-1.0.
ISC VII 23 14 29 38.4–3.9 18.12S–.05 167.2E–.10 31–27 4.2b 21 4-91
IDC VII 23 14 29 33.3–1.6 18.07S 167.26E 0 4.5,4.3L ¶11284446
NOU VII 23 14 29 35.6–1.6 17.84S 167.20E 30–0 4.2L,2.8

ISCJB VII 23 14 29 37.8–2.6 18.2S–.10 167.1E–.10 39–24 4.2b,2.8
NEIC VII 23 14 29 40.2–4.6 18.23S 167.27E 50–47 4.2b,2.8
ISC Event type se.
IDC Error ellipse: s-maj=64.3km s-min=23.4km az=146.0.
NOU Error ellipse: s-maj=16.3km s-min=59.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=17.6km az=20.6.
NEIC Event type se. Error ellipse: s-maj=48.1km s-min=17.9km az=174.0.
ISC VII 25 13 38 31.2–2.0 13.1S–.10 166.6E–.30 35 3.9b 10 9-119
IDC VII 25 13 38 19.9–2.1 13.54S 167.59E 0 4.3,4.1b **¶11812589**
NEIC VII 25 13 38 28.9–1.6 13.03S 166.89E 35 3.9b,4.1b
ISCJB VII 25 13 38 29.3–2.0 13.2S–.10 166.6E–.30 33 3.9b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 26 00 19 05.1–1.9 19.24S–.08 168.71E–.10 41–16 4.4b,3.6s 30 3-153
SZGRF VII 26 00 18 59.4 20.27S 169.79E 33 4.4b,3.6s **¶11169702**
LDG VII 26 00 19 01.0–.17 18.76S 168.41E 10–0 4.5b,3.6s
NEIC VII 26 00 19 04.4–.38 19.10S 168.88E 41 4.8b,3.6s
NOU VII 26 00 19 04.0–1.1 19.06S 168.69E 10–0 3.2L,3.1
ISCJB VII 26 00 19 04.3–1.8 19.29S–.08 168.70E–.10 47–15 4.4b,3.6s
IDC VII 26 00 19 04.6–.93 19.09S 168.79E 40–6 4.2,4.1
ISC Event type ke.
SZGRF Vanuatu Islands.
LDG Event type ke. Error ellipse: s-maj=21.5km s-min=4.4km az=109.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.9km az=140.0.
NOU Error ellipse: s-maj=21.9km s-min=34.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=13.0km az=21.9.
IDC Error ellipse: s-maj=23.4km s-min=17.1km az=103.0.
IDC VII 26 09 17 11.3–1.6 14.57S 167.53E 0 4.2,4.0b
¶11169703
IDC Error ellipse: s-maj=74.6km s-min=27.5km az=138.0.
ISC VII 28 03 17 16.8–.66 14.89S–.06 167.0E–.10 35 3.9b 14 7-150
IDC VII 28 03 17 10.9–1.3 15.01S 167.16E 0 4.2,4.1 **¶11169711**
LDG VII 28 03 17 12.6–.13 14.90S 168.50E 10–0 4.2,4.1
ISCJB VII 28 03 17 14.7–.66 14.94S–.06 167.0E–.10 33 3.9b,4.1
NEIC VII 28 03 17 16.5–.67 15.02S 167.07E 35 4.1b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=47.3km s-min=21.2km az=140.0.
LDG Event type ke. Error ellipse: s-maj=27.3km s-min=3.6km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=20.0km s-min=8.7km az=5.2.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=12.8km az=123.0.
IDC VII 31 13 01 23.3–3.9 17.72S 169.36E 0 4.0,3.9b
¶12698518
IDC Error ellipse: s-maj=194.3km s-min=36.8km az=139.0.
ISC VIII 02 07 55 11.3–2.0 21.0S–.40 169.2E–.20 41–20 4.0b,3.0s 15 2-92
IDC VIII 02 07 55 04.1–2.0 21.07S 169.57E 0 4.1,3.9 **¶11377443**
ISCJB VIII 02 07 55 10.7–2.0 21.0S–.40 169.2E–.20 51–19 4.0b,3.0s
NOU VIII 02 07 55 10.2–.92 19.86S 168.47E 10–0 2.9,3.0s
IDC Error ellipse: s-maj=86.4km s-min=25.6km az=151.0.
ISCJB Error ellipse: s-maj=71.8km s-min=16.1km az=154.9.
NOU Error ellipse: s-maj=24.7km s-min=29.0km az=-1.0.
ISC VIII 05 00 47 48.5–.68 17.83S–.05 168.68E–.04 215–7 4.6b 128 5-160
SZGRF VIII 05 00 47 13.5 20.13S 170.12E 33 4.6b **¶11227184**
NOU VIII 05 00 47 40.8–1.2 17.19S 169.05E 30–0 3.5,3.3L
LDG VIII 05 00 47 45.6–.12 17.49S 168.19E 180–0 4.9b,3.3L
IDC VIII 05 00 47 46.4–.95 17.77S 168.80E 200–8 4.5,4.5
ISCJB VIII 05 00 47 47.8–.70 17.82S–.05 168.64E–.04 222–7 4.6b,4.5
BJI VIII 05 00 47 50.7 17.27S 168.90E 241 4.9b,4.8b
BGS VIII 05 00 47 51.5–3.6 17.82S 168.67E 243–0 4.7b,4.8b
NEIC VIII 05 00 47 51.1–.85 17.82S 168.67E 243–8 4.7b,4.8b
ISC Event type ke.
SZGRF Vanuatu Islands.
NOU Error ellipse: s-maj=34.8km s-min=88.3km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=14.4km s-min=3.3km az=101.0.
IDC Error ellipse: s-maj=14.4km s-min=12.2km az=112.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.3km az=158.7.
BGS Error ellipse: s-maj=271.6km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=160.0.
ISC VIII 09 18 32 45.0–.94 14.85S–.05 167.26E–.05 138–9 4.8b 130 7-154
NOU VIII 09 18 32 37.8–1.3 14.49S 168.34E 30–0 4.9L,3.9 **¶13391272**
LDG VIII 09 18 32 41.6–.19 14.72S 166.76E 100–0 4.6b,3.9
IDC VIII 09 18 32 43.6–.64 14.78S 167.32E 127–5 4.5,4.4b
ISCJB VIII 09 18 32 44.1–1.0 14.86S–.05 167.25E–.05 145–9 4.8b,4.4b
NEIC VIII 09 18 32 45.6–.96 14.79S 167.24E 145–8 5.1b,4.4b
BJI VIII 09 18 32 49.1 14.02S 167.15E 156 5.0b,4.6b
DJA VIII 09 18 33 00 15.01S 166.71E 252 5.0b,4.6b
ISC Event type ke.
NOU Error ellipse: s-maj=21.5km s-min=86.2km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=30.0km s-min=7.8km az=84.0.
IDC Error ellipse: s-maj=13.2km s-min=12.5km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.6km az=143.8.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.1km az=195.0.
ISC VIII 10 20 40 51.6–2.7 18.6S–.60 169.3E–.20 246–34 3.8b 10 4-124
NEIC VIII 10 20 40 51.0–2.7 18.49S 169.26E 244–34 3.3b **¶11908056**
IDC VIII 10 20 40 58.4–15 18.52S 169.14E 318–151 3.8,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=86.0km s-min=13.3km az=158.0.
IDC Error ellipse: s-maj=71.6km s-min=50.7km az=151.0.
ISC VIII 11 14 51 08.9–2.0 18.5S–.30 168.8E–.40 141–29 3.7b 22 4-147
IDC VIII 11 14 50 52.8–2.8 17.88S 168.75E 0 4.2,4.0b **¶11377580**
NEIC VIII 11 14 51 05.1–1.2 18.05S 168.70E 100 4.2,4.0b
NOU VIII 11 14 51 06.4–.61 17.98S 168.57E 30–0 3.2L,3.0
ISCJB VIII 11 14 51 08.5–2.0 18.5S–.30 168.8E–.40 151–30 3.7b,3.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 12 02 10 18.4–2.6 17.7S–.10 168.0E–.20 38–23 4.2b,3.9s 18 5-149
IDC VIII 12 02 10 10.8–2.1 17.69S 168.29E 0 4.4,4.2 **¶11227193**
NOU VIII 12 02 10 15.8–1.1 17.20S 166.88E 30–0 3.4L,3.3
ISCJB VIII 12 02 10 17.3–2.6 17.7S–.10 168.0E–.20 48–23 4.2b,3.9s
NEIC VIII 12 02 10 17.7–.63 17.59S 168.04E 35 4.5b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=80.2km s-min=31.1km az=135.0.
NOU Error ellipse: s-maj=9.1km s-min=45.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=31.2km s-min=17.3km az=9.6.
NEIC Event type fe. Error ellipse: s-maj=25.9km s-min=13.6km az=119.0. Felt at Port-Vila.
ISC VIII 12 22 28 33.8–1.4 14.29S–.06 167.46E–.07 151–12 4.0b 40 8-169
IDC VIII 12 22 28 30.8–7.2 14.29S 167.52E 121–61 4.0,4.0 **¶11232300**
ISCJB VIII 12 22 28 33.4–1.5 14.33S–.06 167.42E–.08 162–13 4.0b,4.0
NEIC VIII 12 22 28 34.1–1.1 14.27S 167.46E 153–9 4.2b,4.0
LDG VIII 12 22 28 45.5–.19 15.09S 165.90E 240–0 3.9b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=29.4km s-min=20.8km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=9.2km az=162.6.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.7km az=65.0.
LDG Event type ke. Error ellipse: s-maj=40.3km s-min=7.4km az=79.0.
ISC VIII 13 03 29 23.9–1.6 13.59S–.05 166.60E–.09 53–13 4.7b,3.8s 52 8-153
IDC VIII 13 03 29 16.1–.94 13.65S 166.70E 0 4.4,4.4 **¶11227195**
LDG VIII 13 03 29 17.4–.31 13.25S 166.61E 10–0 5.0b,4.4
ISCJB VIII 13 03 29 22.8–1.7 13.57S–.06 166.50E–.08 55–14 4.7b,3.8s
NEIC VIII 13 03 29 26.4–1.1 13.56S 166.48E 77–10 4.7b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=20.3km az=122.0.
LDG Event type ke. Error ellipse: s-maj=38.1km s-min=9.1km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=9.0km az=166.4.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=10.1km az=195.0.
ISC VIII 16 01 42 43.8–1.9 13.7S–.10 167.2E–.10 208–20 4.3b 27 8-166
IDC VIII 16 01 42 39.5–2.1 13.60S 167.31E 171–15 4.2,4.2 **¶13391838**
ISCJB VIII 16 01 42 42.8–2.1 13.6S–.10 167.2E–.10 211–21 4.3b,4.2
NEIC VIII 16 01 42 42.6–1.6 13.54S 167.22E 197–13 4.6b,4.2
LDG VIII 16 01 42 48.8–.33 14.04S 166.25E 250–0 4.2b,4.2

ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=14.7km az=127.0.
ISCJB Event type ke. Error ellipse: s-maj=21.7km s-min=14.4km az=28.3.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=10.2km az=175.0.
LDG Event type ke. Error ellipse: s-maj=64.9km s-min=14.0km az=81.0.
ISC VIII 17 11 55 47.2–1.6 17.2S–.10 168.7E–.30 35 4.2b 8 5-123
IDC VIII 17 11 55 34.4–2.3 19.08S 170.08E 0 4.4,4.2b **¶12581154**
ISCJB VIII 17 11 55 45.4–1.6 17.2S–.10 168.6E–.30 33 4.1b,4.2b
ISC VIII 18 03 03 59.7–1.2 13.64S–.06 166.30E–.07 61–12 4.6b 50 7-153
LDG VIII 18 03 03 47.6–.64 14.08S 170.98E 10–0 5.1b **¶11232301**
ISCJB VIII 18 03 03 57.3–1.6 13.65S–.06 166.28E–.07 55–15 4.6b,4.0s
IDC VIII 18 03 03 57.7–1.0 13.66S 166.37E 46–6 5.2L,4.5
NEIC VIII 18 03 03 60.0–1.2 13.62S 166.31E 66–11 4.8b,4.5
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=61.3km s-min=11.3km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=10.4km az=12.0.
IDC Error ellipse: s-maj=24.7km s-min=17.2km az=116.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=10.1km az=143.0.
ISC VIII 19 18 51 07.8–3.7 14.9S–.20 167.5E–.30 138–30 3.9b 14 7-166
IDC VIII 19 18 50 48.8–1.2 14.80S 167.97E 0 4.2,4.1b **¶11265210**
LDG VIII 19 18 50 53.6–.37 13.99S 167.44E 10–0 4.2,4.1b
NEIC VIII 19 18 51 07.0–3.7 14.87S 167.54E 137–28 4.2b,4.1b
ISCJB VIII 19 18 51 08.0–3.9 15.0S–.20 167.4E–.30 154–32 3.9b,4.1b
ISC Event type ke.
LDG Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC VIII 21 09 10 20.8–.87 14.3S–.20 167.5E–.20 35 3.8b 11 29-147
IDC VIII 21 09 10 15.2–1.5 14.25S 167.52E 0 4.1,4.0b **¶11908533**
NEIC VIII 21 09 10 16.6–.43 14.34S 167.57E 10 4.1b,4.0b
ISCJB VIII 21 09 10 19.0–.87 14.4S–.20 167.4E–.20 33 3.8b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 21 19 38 11.8–1.8 19.3S–.10 169.2E–.10 131–14 4.4b 32 4-148
NEIC VIII 21 19 38 10.4–2.1 19.21S 169.34E 125–18 4.5b **¶11377668**
ISCJB VIII 21 19 38 11.1–1.8 19.3S–.10 169.2E–.10 138–14 4.4b
NOU VIII 21 19 38 11.0–.98 18.80S 168.86E 30–0 3.6s,3.2L
IDC VIII 21 19 38 11.7–3.6 19.26S 169.29E 135–31 4.3,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=11.3km az=199.0.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=16.7km az=178.1.
NOU Error ellipse: s-maj=19.4km s-min=30.5km az=-1.0.
IDC Error ellipse: s-maj=29.4km s-min=19.7km az=171.0.
ISC VIII 25 03 22 03.6–1.7 15.0S–.30 166.8E–.30 150 4.3b 10 18-120
ISCJB VIII 25 03 22 02.4–1.8 15.0S–.30 166.7E–.40 150 4.3b **¶12581366**
IDC VIII 25 03 22 44.4–12 15.19S 165.49E 572–140 3.5,3.3b
ISCJB Error ellipse: s-maj=64.0km s-min=22.4km az=42.6.
IDC Error ellipse: s-maj=79.6km s-min=59.7km az=96.0.
IDC VIII 30 10 48 05.8–2.3 13.82S 167.25E 0 4.0,3.8b
¶12581567
IDC Error ellipse: s-maj=117.6km s-min=29.1km az=138.0.
IDC VIII 30 18 17 58.4–2.2 20.70S 170.20E 0 4.1,3.8b
¶12581576
IDC Error ellipse: s-maj=69.2km s-min=33.2km az=151.0.
ISC VIII 31 01 24 58.0–1.4 16.00S–.07 167.9E–.10 163–12 4.5b 32 6-168
NOU VIII 31 01 24 51.7–1.4 15.48S 167.93E 30–0 4.3L,3.6 **¶11284039**
LDG VIII 31 01 24 54.7–.22 16.21S 169.18E 140–0 4.3L,3.6
IDC VIII 31 01 24 55.9–2.1 15.89S 167.88E 144–17 4.4s,4.4
ISCJB VIII 31 01 24 56.5–1.6 15.96S–.07 167.9E–.10 165–13 4.5b,4.4
NEIC VIII 31 01 25 01.3–2.0 15.98S 167.82E 190–17 4.8b,4.4
ISC Event type ke.
NOU Error ellipse: s-maj=19.9km s-min=81.4km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=38.0km s-min=2.3km az=107.0.
IDC Error ellipse: s-maj=21.5km s-min=13.5km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=21.0km s-min=10.9km az=165.3.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.1km az=79.0.
ISC VIII 31 04 30 43.3–2.4 18.5S–.10 168.9E–.40 200 4.0b 9 4-124
IDC VIII 31 04 30 37.3–28 18.57S 169.21E 165–224 4.0,3.7b **¶12581588**
IDC Error ellipse: s-maj=135.5km s-min=85.1km az=99.0.
ISC IX 01 15 11 48.8–2.6 19.23S–.08 169.2E–.10 1–17 4.1b,3.8s 26 4-97
NOU IX 01 15 11 46.4–1.9 18.58S 169.07E 30–999 3.6L,3.0 **¶11377773**
ISCJB IX 01 15 11 48.2–2.2 19.18S–.08 169.1E–.10 7–14 4.0b,3.8s
IDC IX 01 15 11 48.7–1.1 19.09S 168.99E 0 4.2,4.1
NEIC IX 01 15 11 55.1–2.7 19.28S 168.95E 43–21 4.0b,4.1
ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=25.0km s-min=7.2km az=26.8.
IDC Error ellipse: s-maj=33.6km s-min=24.5km az=114.0.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=16.5km az=94.0.
IDC IX 02 14 54 03.0–83 13.07S 166.33E 0 4.1,3.9b
¶11909286
IDC Error ellipse: s-maj=1402.0km s-min=120.1km az=61.0.
ISC IX 02 18 41 39.6–2.0 20.45S–.05 169.20E–.04 35–14 5.2b,4.5s 163 3-157
ISCJB IX 02 18 41 37.2–1.9 20.44S–.05 169.21E–.04 31–13 5.2b,4.5s **¶11226752**
MOS IX 02 18 41 37.8–1.3 20.34S 169.18E 33 5.4b,4.5s
IDC IX 02 18 41 37.6–2.4 20.30S 169.19E 21–13 5.0,5.0
NOU IX 02 18 41 38.5–.35 19.80S 168.60E 10–0 4.2L,3.4
NEIC IX 02 18 41 39.8–.98 20.43S 169.24E 43–9 5.2b,3.4
GCMT IX 02 18 41 40.0–.20 20.39S 169.20E 18–0 5.2W,3.4
SZGRF IX 02 18 41 41.1 19.71S 171.16E 46 5.3b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.9km az=149.1.
MOS Error ellipse: s-maj=12.0km s-min=10.2km az=32.7.
IDC Error ellipse: s-maj=19.2km s-min=15.0km az=114.0.
NOU Error ellipse: s-maj=8.4km s-min=12.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.0km az=159.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c90; s85,c150; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.91±.17 $M_{\theta\theta}$5.21±.15; $M_{\phi\phi}$-3.30±.14; $M_{r\theta}$1.38±.33; $M_{\theta\phi}$5.29±.13; $M_{\phi r}$-2.00±.32; Best double couple: NP1:ϕ_s22.00000°,δ71.00000°,λ-163.00000°. NP2:ϕ_s286.00000°,δ74.00000°,λ-20.00000°. Principal axes: T 7.7600,Plg2.0000° ,Azm335.0000°; N -0.7900,Plg64.0000°,Azm70.0000°; P -6.9700,Plg25.0000° ,Azm244.0000° $M_0$7.40000×10^{16}
SZGRF Vanuatu Islands region.
ISC IX 03 09 55 58.9–2.9 18.4S–.30 169.1E–.30 208–25 4.3b 22 4-86
NEIC IX 03 09 55 56.9–5.2 18.08S 169.05E 189–36 4.3b **¶11909361**
IDC IX 03 09 56 08.6–26 18.35S 168.48E 270–218 4.0,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=63.7km s-min=53.4km az=88.0.
IDC Error ellipse: s-maj=134.0km s-min=59.9km az=79.0.
ISC IX 03 21 21 22.4–.89 15.60S–.04 167.72E–.06 129–8 4.4b 66 7-166
BJI IX 03 21 21 19.9 15.64S 168.48E 145 4.8b,4.6b **¶13393365**
IDC IX 03 21 21 20.4–2.3 15.58S 167.75E 113–18 4.4,4.3b
ISCJB IX 03 21 21 21.7–.95 15.62S–.04 167.66E–.06 138–9 4.4b,4.3b
NOU IX 03 21 21 21.1–1.3 15.38S 167.05E 30–999 3.9L,3.7
NEIC IX 03 21 21 21.1–1.0 15.55S 167.71E 116–8 4.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=12.6km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.8km az=159.7.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=7.0km az=205.0.
ISC IX 05 12 35 44.4–.12 13.26S–.02 166.83E–.03 148 5.1b 345 8-170
LDG IX 05 12 35 39.8–.17 12.96S 167.18E 120–0 5.6b,4.5s **¶13393493**
NOU IX 05 12 35 40.0–.84 12.90S 166.83E 30–0 4.5L,4.2
BJI IX 05 12 35 41.3 12.85S 166.90E 123 5.5b,5.3b
ISCJB IX 05 12 35 42.8–.13 13.23S–.02 166.76E–.03 146 5.1b,5.3b
IDC IX 05 12 35 43.1–.61 13.30S 166.93E 141–4 4.8,4.8
NEIC IX 05 12 35 43.5–.15 13.27S 166.97E 147 5.6W,5.3b
MOS IX 05 12 35 45.2–1.2 13.17S 166.84E 165 5.2b,4.6s
GCMT IX 05 12 35 46.2–.10 13.24S 166.83E 155–0 5.6W,4.6s
TEH IX 05 12 35 48.0 13.27S 166.81E 173 5.6W,4.6s

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=24.5km s-min=7.5km az=88.0.
NOU Error ellipse: s-maj=6.7km s-min=90.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=23.6.
IDC Error ellipse: s-maj=10.4km s-min=9.1km az=144.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.5km az=140.0. Moment Tensor Solution. s50 Moment tensor: Scale 10^{17}Nm; M_{rr}3.21 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-2.77 $M_{r\theta}$-0.39 $M_{\theta\phi}$-0.62 $M_{\phi r}$-0.49 Best double couple: NP1:ϕ_s10.00000°,δ40.00000°,λ84.00000°. NP2:ϕ_s198.00000° ,δ50.00000°,λ95.00000°. Principal axes: T 3.2800,Plg83.0000°,Azm142.0000° ; N -0.3100,Plg4.0000°,Azm14.0000°; P -2.9800,Plg5.0000°,Azm284.0000° $M_0$3.10000×10^{17}
MOS Error ellipse: s-maj=8.7km s-min=7.4km az=111.2.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=102, comp=210, per= 50. Moment Tensor Solution. s98,c167; s26,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}2.65±.03 $M_{\theta\theta}$-0.46±.04; $M_{\phi\phi}$-2.19±.04; $M_{r\theta}$-0.23±.03; $M_{\theta\phi}$-0.48±.05; $M_{\phi r}$-1.27±.03; Best double couple: NP1:ϕ_s16.00000°,δ31.00000°,λ93.00000°. NP2:ϕ_s193.00000°,δ59.00000°,λ88.00000°. Principal axes: T 2.9700,Plg76.0000°,Azm98.0000°; N -0.3400,Plg1.0000°,Azm193.0000° ; P -2.6300,Plg14.0000°,Azm284.0000° $M_0$2.80000×10^{17}

ISC	**IX**	**08 03 03 17.7–.10**	**19.89S–.02**	**169.09E–.02**	**43**	**6.0b,5.8s**	**538**	**3-173**	
LDG	IX	08 03 03 12.4–.08	19.59S	169.01E	10–0	6.3b,5.7s			**¶12951953**
NOU	IX	08 03 03 13.7–1.1	19.55S	169.01E	10–0	4.3L,3.5			
BJI	IX	08 03 03 14.2	19.55S	169.30E	25	6.2b,5.9s			
MOS	IX	08 03 03 14.9–.90	19.87S	169.10E	33	6.1b,5.8s			
ISCJB	IX	08 03 03 15.9–.10	19.89S–.02	169.04E–.02	41	6.0b,5.8s			
NEIC	IX	08 03 03 15.9–.10	19.96S	169.11E	36	6.2W,6.1W			
IGIL	IX	08 03 03 16.3	20.03S	169.12E	35	6.1s,6.1W			
IDC	IX	08 03 03 17.4–.30	19.94S	169.05E	44–2	5.7s,5.7			
SZGRF	IX	08 03 03 17.2	19.87S	170.71E	43	6.0b,5.7			
GCMT	IX	08 03 03 20.9–.10	19.97S	168.81E	48–0	6.2W,5.7			
DJA	IX	08 03 03 30	19.65S	168.65E	127	6.4W,5.7			

ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=9.4km s-min=3.1km az=126.0.
NOU Error ellipse: s-maj=24.1km s-min=29.3km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=7.7km az=60.9.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=44.9.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.8km az=167.0. Felt at Port-Vila. Also felt at Noumea, New Caledonia. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s340.00000°,δ45.00000°,λ90.00000°. NP2: ϕ_s160.00000°,δ45.00000°,λ90.00000°. Principal axes: T Plg90.0000°,Azm0.0000° ; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm70.0000° Moment Tensor Solution. s63 Moment tensor: Scale 10^{18}Nm; M_{rr}1.52 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-1.84 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.74 $M_{\phi r}$-0.19 Best double couple: NP1:ϕ_s335.00000°,δ43.00000°,λ78.00000°. NP2:ϕ_s171.00000° ,δ48.00000°,λ101.00000°. Principal axes: T 1.5500,Plg81.0000°,Azm145.0000° ; N 0.5300,Plg7.0000°,Azm343.0000°; P -2.0700,Plg2.0000°,Azm253.0000° $M_0$1.90000×10^{18} Moment Tensor Solution. $M_0$4.10000×10^{18}
IDC Error ellipse: s-maj=9.8km s-min=7.5km az=160.0.
SZGRF Vanuatu Islands.
GCMT Event type se. Data Used: II IU IC. Surface waves: sta=100, comp=239, per= 50. Moment Tensor Solution. s96,c236; s80,c136; Moment tensor: Scale 10^{18}Nm; M_{rr}2.07±.01 $M_{\theta\theta}$0.37±.01; $M_{\phi\phi}$-2.44±.01; $M_{r\theta}$-0.54±.01; $M_{\theta\phi}$0.25±.01; $M_{\phi r}$-0.21±.01; Best double couple: NP1:ϕ_s339.00000°,δ45.00000°,λ66.00000°. NP2:ϕ_s191.00000°,δ49.00000°,λ112.00000°. Principal axes: T 2.2400,Plg73.0000°,Azm168.0000°; N 0.2200,Plg17.0000°,Azm356.0000° ; P -2.4700,Plg2.0000°,Azm265.0000° $M_0$2.40000×10^{18}

IDC	**IX**	**08 16 04 39.5–2.9**	**13.66S**	**167.41E**	**0**	**3.7,3.5b**			**¶11909820**
IDC		Error ellipse: s-maj=117.0km s-min=47.2km az=140.0.							
ISC	**IX**	**08 17 00 35.4–1.3**	**15.34S–.06**	**167.6E–.10**	**131–9**	**4.4b**	**41**	**7-147**	
NOU	IX	08 17 00 28.8–1.2	14.77S	167.31E	30–0	4.0L,3.8			**¶11377853**
IDC	IX	08 17 00 31.4–3.7	15.43S	167.77E	98–24	4.2,4.1			
ISCJB	IX	08 17 00 34.8–1.4	15.37S–.06	167.6E–.10	138–10	4.4b,4.1			
NEIC	IX	08 17 00 36.3–5.4	15.34S	167.60E	136–38	4.5b,4.1			

ISC Event type se.
NOU Error ellipse: s-maj=10.8km s-min=80.9km az=-1.0.
IDC Error ellipse: s-maj=37.7km s-min=21.9km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=7.5km az=159.5.
NEIC Event type se. Error ellipse: s-maj=51.4km s-min=17.0km az=117.0.

ISC	**IX**	**08 18 52 09.0–.07**	**13.52S–.02**	**166.99E–.02**	**125**	**6.5b**	**1026**	**8-170**	
DJA	IX	08 18 52 00	13.69S	167.86E	102	7.5W			**¶12951941**
SZGRF	IX	08 18 52 03.9	11.86S	168.16E	33	6.7b			
NOU	IX	08 18 52 05.2–1.2	13.18S	167.50E	30–0	6.7b			
NEIC	IX	08 18 52 07.0–.07	13.50S	166.97E	110	6.9W,6.9W			
ISCJB	IX	08 18 52 07.3–.07	13.53S–.02	166.93E–.02	123	6.5b,6.9W			
MOS	IX	08 18 52 07.7–.76	13.49S	166.93E	127	6.5s,6.5b			
IDC	IX	08 18 52 08.1–.45	13.54S	166.96E	116–3	6.4s,6.4			
TEH	IX	08 18 52 08.0	13.51S	166.97E	122	6.4s,6.4			
IGIL	IX	08 18 52 09.2	13.51S	166.97E	122	6.7s,6.4			
BJI	IX	08 18 52 09.5	13.03S	167.01E	129	7.2b,6.7b			
GCMT	IX	08 18 52 14.4–.00	13.37S	166.75E	125–0	6.9W,6.7b			

ISC Event type fe.
SZGRF Santa Cruz Islands region.
NOU Error ellipse: s-maj=11.7km s-min=87.1km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=152.0. Felt at Honiara, Solomon Islands. Two events about 6 seconds apart. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s180.00000° ,δ45.00000°,λ90.00000°. NP2:ϕ_s0.00000°,δ45.00000°,λ90.00000°. Principal axes: T Plg90.0000°,Azm0.0000°; N Plg0.0000°,Azm0.0000°; P Plg0.0000°,Azm90.0000° Moment Tensor Solution. s95 Moment tensor: Scale 10^{19}Nm; M_{rr}3.25 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-2.93 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.02 $M_{\phi r}$0.01 Best double couple: NP1:ϕ_s1.00000°,δ45.00000°,λ91.00000°. NP2: ϕ_s180.00000°,δ45.00000°,λ89.00000°. Principal axes: T 3.2500,Plg89.0000°,Azm353.0000° ; N -0.3200,Plg0.0000°,Azm180.0000°; P -2.9300,Plg0.0000°,Azm90.0000° $M_0$3.10000×10^{19} Moment Tensor Solution. $M_0$3.50000×10^{19}
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.1km az=42.8.
MOS Error ellipse: s-maj=7.0km s-min=6.4km az=137.2.
IDC Error ellipse: s-maj=8.8km s-min=8.5km az=36.0.
GCMT Event type se. Data Used: II IU IC G. LP body wave period 50 sec. Mantle waves from 107 sta. Surface waves: sta=110, comp=284, per= 50. Moment Tensor Solution. s108,c280; s99,c249; Moment tensor: Scale 10^{19}Nm; M_{rr}3.21±.01 $M_{\theta\theta}$-0.42±.01; $M_{\phi\phi}$-2.79±.01; $M_{r\theta}$-0.16±.01; $M_{\theta\phi}$-0.10±.01; $M_{\phi r}$-0.59±.01; Best double couple: NP1:ϕ_s0.00000°,δ39.00000° ,λ87.00000°. NP2:ϕ_s185.00000°,δ51.00000°,λ93.00000°. Principal axes: T 3.2700,Plg84.0000°,Azm112.0000°; N -0.4200,Plg2.0000°,Azm3.0000° ; P -2.8500,Plg6.0000°,Azm273.0000° $M_0$3.10000×10^{19}

ISC	**IX**	**08 23 22 19.4–1.0**	**20.7S–.20**	**169.5E–.10**	**35**	**3.9b**	**9**	**3-126**	
IDC	IX	08 23 22 14.4–1.5	20.34S	169.40E	0	4.0,3.9b			**¶11909853**
ISCJB	IX	08 23 22 17.5–1.0	20.6S–.20	169.4E–.10	33	3.9b,3.9b			
ISC	**IX**	**10 00 24 11.6–3.1**	**19.0S–.10**	**168.1E–.40**	**10**	**3.9b**	**7**	**3-86**	
IDC	IX	10 00 24 10.7–4.4	18.87S	168.11E	0	5.0L,4.2			**¶11909915**

IDC Error ellipse: s-maj=90.8km s-min=45.8km az=118.0.

IDC	**IX**	**10 00 49 56.8–5.1**	**17.02S**	**167.58E**	**0**	**4.0,3.9b**			**¶11909916**
IDC		Error ellipse: s-maj=136.6km s-min=41.6km az=121.0.							
IDC	**IX**	**10 01 25 36.3–1.6**	**16.00S**	**167.79E**	**0**	**4.4,4.1**			**¶11909919**
IDC		Error ellipse: s-maj=106.9km s-min=22.8km az=148.0.							
IDC	**IX**	**10 01 47 20.4–38**	**14.92S**	**167.46E**	**0**	**4.3,4.1**			**¶11909921**
IDC		Error ellipse: s-maj=664.8km s-min=101.7km az=70.0.							
IDC	**IX**	**13 22 56 42.8–2.4**	**16.51S**	**168.06E**	**0**	**4.2,3.9**			**¶11302740**
IDC		Error ellipse: s-maj=116.7km s-min=30.6km az=141.0.							
ISC	**IX**	**14 10 26 04.3–1.9**	**19.0S–.40**	**169.5E–.30**	**247–25**	**3.8b**	**15**	**4-125**	
ISCJB	IX	14 10 26 04.0–1.9	19.1S–.40	169.5E–.20	260–24	3.7b			**¶11910250**
IDC	IX	14 10 26 05.9–16	19.05S	169.42E	264–155	3.7,3.5b			
NEIC	IX	14 10 26 09.2–6.3	19.08S	169.38E	296–61	3.9b,3.5b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=68.9km s-min=22.2km az=152.0.
IDC Error ellipse: s-maj=65.1km s-min=41.8km az=117.0.
NEIC Event type se. Error ellipse: s-maj=42.3km s-min=26.7km az=146.0.

ISC	**IX**	**16 06 56 01.5–.97**	**15.10S–.05**	**167.57E–.07**	**143–9**	**4.2b**	**43**	**7-166**	
NOU	IX	16 06 55 56.1–.58	14.62S	167.37E	30–0	3.8L,3.6			**¶11322784**
ISCJB	IX	16 06 56 00.9–1.0	15.12S–.05	167.54E–.07	152–10	4.2b,3.6			
IDC	IX	16 06 56 00.3–.82	15.08S	167.65E	137–5	4.1,4.1			
NEIC	IX	16 06 56 03.1–1.2	15.05S	167.63E	163–11	4.5b,4.1			

ISC Event type se.
NOU Error ellipse: s-maj=11.7km s-min=64.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=7.8km az=153.3.
IDC Error ellipse: s-maj=17.9km s-min=13.4km az=120.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.8km az=206.0.

ISC	**IX**	**17 15 22 51.8–2.5**	**17.71S–.09**	**167.1E–.30**	**35**	**3.7b**	**12**	**4-123**	
IDC	IX	17 15 22 35.2–2.9	17.45S	168.50E	0	4.1,3.9b			**¶11377940**
NOU	IX	17 15 22 49.1–1.3	17.79S	168.46E	30–0	3.1,2.9L			

IDC Error ellipse: s-maj=120.9km s-min=46.3km az=146.0.
NOU Error ellipse: s-maj=22.0km s-min=54.8km az=-1.0.

ISC	**IX**	**19 14 33 25.0–1.5**	**15.3S–.20**	**166.3E–.20**	**35**	**3.5b**	**5**	**7-87**	
IDC	IX	19 14 33 19.6–5.7	15.23S	166.32E	0	3.9,3.6			**¶11910627**
ISCJB	IX	19 14 33 23.1–1.5	15.3S–.20	166.2E–.20	33	3.5b,3.6			
ISC	**IX**	**20 22 54 54.6–2.1**	**17.4S–.10**	**167.2E–.20**	**58–26**	**3.6b**	**14**	**5-128**	
IDC	IX	20 22 54 44.7–8.5	17.88S	167.63E	0	3.9,3.7			**¶11377972**
NOU	IX	20 22 54 50.9–.83	17.09S	167.08E	30–0	4.0L,3.0			
ISCJB	IX	20 22 54 53.5–2.2	17.5S–.10	167.1E–.20	63–25	3.6b,3.0			
ISC	**IX**	**24 01 36 57.5–.26**	**14.60S–.03**	**167.80E–.05**	**35**	**4.7b,4.3s**	**79**	**8-166**	
NOU	IX	24 01 36 51.3–1.7	14.15S	168.07E	30–0	4.3L,3.8			**¶13395065**
IDC	IX	24 01 36 52.0–.49	14.35S	167.76E	0	4.8,4.7			
LDG	IX	24 01 36 53.8–.32	14.25S	167.43E	10–0	4.9b,4.7			
ISCJB	IX	24 01 36 55.5–.26	14.63S–.03	167.72E–.05	33	4.7b,4.3s			
GCMT	IX	24 01 36 57.1–.20	14.47S	167.81E	13–0	5.0W,4.3s			
NEIC	IX	24 01 36 60.0–1.6	14.50S	167.74E	58–13	4.9b,4.3s			
BJI	IX	24 01 37 07.5	13.54S	167.79E	103	5.2b,4.8b			

ISC Event type ke.
NOU Error ellipse: s-maj=25.5km s-min=116.5km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=14.8km az=135.0.
LDG Event type ke. Error ellipse: s-maj=36.8km s-min=8.8km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=4.1.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s39,c46; s65,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}3.46±.15 $M_{\theta\theta}$-0.22±.12; $M_{\phi\phi}$-3.23±.12; $M_{r\theta}$-0.07±.30; $M_{\theta\phi}$0.93±.09; $M_{\phi r}$0.97±.25; Best double couple: NP1:ϕ_s161.00000°,δ37.00000°,λ85.00000°. NP2:ϕ_s347.00000°,δ53.00000°,λ94.00000°. Principal axes: T 3.6000,Plg82.0000° ,Azm276.0000°; N 0.0300,Plg3.0000°,Azm165.0000°; P -3.6200,Plg8.0000°,Azm75.0000° $M_0$3.60000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.9km az=104.0.

IDC	**IX**	**24 13 01 02.7–67**	**14.28S**	**166.75E**	**0**	**3.7,3.6b**			**¶11910931**
IDC		Error ellipse: s-maj=1125.0km s-min=110.8km az=64.0.							
IDC	**IX**	**26 13 52 25.7–54**	**13.59S**	**167.93E**	**0**	**4.1,3.9b**			**¶11911089**
IDC		Error ellipse: s-maj=915.2km s-min=109.5km az=64.0.							
ISC	**IX**	**26 21 40 36.8–1.8**	**15.00S–.07**	**167.4E–.10**	**125–12**	**4.1b**	**22**	**7-151**	
IDC	IX	26 21 40 35.0–6.6	15.05S	167.44E	111–50	4.0,3.9			**¶11348115**
ISCJB	IX	26 21 40 36.3–2.0	15.04S–.07	167.3E–.10	132–14	4.0b,3.9			
NEIC	IX	26 21 40 36.4–2.4	15.04S	167.37E	121–18	4.3b,3.9			
LDG	IX	26 21 40 41.1–.35	15.14S	167.90E	160–0	4.3b,3.9			

ISC Event type ke.
IDC Error ellipse: s-maj=44.7km s-min=21.3km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=23.8km s-min=8.1km az=159.2.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=9.0km az=104.0.
LDG Event type ke. Error ellipse: s-maj=75.8km s-min=3.1km az=97.0.

ISC	**IX**	**27 03 29 24.8–1.0**	**15.60S–.05**	**167.71E–.07**	**126–9**	**4.9b**	**124**	**7-166**	
NOU	IX	27 03 29 23.5–.91	15.48S	168.16E	30–0	3.7,2.3s			**¶13395296**
ISCJB	IX	27 03 29 24.2–1.1	15.62S–.05	167.64E–.07	134–10	4.8b,2.3s			
IDC	IX	27 03 29 25.4–1.7	15.61S	167.60E	132–13	4.5,4.5			
LDG	IX	27 03 29 26.6–.33	15.43S	167.13E	130–0	5.1b,4.5			
NEIC	IX	27 03 29 29.5–1.3	15.57S	167.53E	166–11	5.0b,4.5			
BJI	IX	27 03 29 30.3	15.24S	168.10E	189	5.4b,5.0b			
MOS	IX	27 03 29 37.0–1.4	15.16S	166.82E	212	5.0b,5.0b			

ISC Event type ke.
NOU Error ellipse: s-maj=13.3km s-min=53.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=7.9km az=176.7.
IDC Error ellipse: s-maj=15.5km s-min=11.4km az=129.0.
LDG Event type ke. Error ellipse: s-maj=53.0km s-min=13.7km az=89.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.3km az=130.0.
MOS Error ellipse: s-maj=13.8km s-min=9.2km az=41.3.

ISC	**IX**	**27 04 36 46.9–6.6**	**15.41S–.09**	**168.3E–.10**	**24–46**	**4.2b**	**14**	**7-148**	
IDC	IX	27 04 36 43.0–1.0	15.22S	168.25E	0	4.4,4.2			**¶11911153**
ISCJB	IX	27 04 36 45.5–6.3	15.47S–.09	168.2E–.10	26–44	4.2b,4.2			
NEIC	IX	27 04 36 55.4–.42	15.39S	168.19E	100	4.6b,4.2			

ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=22.3km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=14.4km az=9.3.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.7km az=140.0.

IDC	**IX**	**27 05 06 29.4–5.2**	**14.37S**	**165.74E**	**0**	**3.9,3.8b**			**¶11911157**
IDC		Error ellipse: s-maj=137.5km s-min=39.8km az=119.0.							
ISC	**IX**	**29 06 09 08.8–1.5**	**19.0S–.30**	**169.2E–.10**	**214–21**	**3.8b**	**19**	**4-144**	
ISCJB	IX	29 06 09 08.5–1.4	19.1S–.30	169.2E–.10	230–19	3.8b			**¶11911320**
NEIC	IX	29 06 09 10.8–1.8	19.02S	169.27E	246–23	4.0b			
IDC	IX	29 06 09 12.4–15	18.96S	169.15E	257–150	3.6,3.5			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=46.4km s-min=13.3km az=159.5.
NEIC Event type se. Error ellipse: s-maj=39.6km s-min=11.7km az=161.0.
IDC Error ellipse: s-maj=66.3km s-min=51.5km az=161.0.

IDC	**IX**	**30 00 05 52.7–47**	**15.40S**	**165.37E**	**0**	**4.0,3.8b**			**¶11911418**
IDC		Error ellipse: s-maj=805.0km s-min=104.2km az=68.0.							
ISC	**IX**	**30 04 49 36.0–1.1**	**18.52S–.09**	**167.2E–.20**	**35**	**3.7b**	**6**	**4-90**	
IDC	IX	30 04 49 32.5–2.8	17.64S	166.85E	0	4.0,3.8			**¶11911436**
ISCJB	IX	30 04 49 34.2–1.1	18.51S–.09	167.2E–.20	33	3.7b,3.8			
ISC	**X**	**02 01 04 03.5–.86**	**19.30S–.06**	**168.83E–.06**	**163–7**	**4.7b**	**71**	**3-166**	
SZGRF	X	02 01 03 42.0	21.11S	168.05E	33	4.7b			**¶11911672**
LDG	X	02 01 03 57.8–.54	18.64S	168.62E	120–0	4.5b			
IDC	X	02 01 03 58.0–2.2	18.98S	169.09E	132–18	4.4,4.3			
NOU	X	02 01 03 58.3–1.3	18.94S	169.24E	30–0	3.9L,3.6			
ISCJB	X	02 01 04 02.8–.85	19.32S–.06	168.83E–.06	171–7	4.7b,3.6			
NEIC	X	02 01 04 04.1–1.5	19.36S	168.74E	163–14	5.0b,3.6			
BJI	X	02 01 04 05.1	18.90S	169.30E	185	4.7b,4.6b			

ISC Event type ke.
SZGRF Loyalty Islands.
LDG Event type ke. Error ellipse: s-maj=58.6km s-min=8.9km az=111.0.
IDC Error ellipse: s-maj=17.8km s-min=16.8km az=151.0.
NOU Error ellipse: s-maj=34.2km s-min=45.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=9.8km az=177.9.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=10.0km az=209.0.

IDC	**X**	**02 15 31 14.9–65**	**16.30S**	**166.02E**	**0**	**3.8,3.6b**			**¶11911725**
IDC		Error ellipse: s-maj=1094.0km s-min=104.8km az=68.0.							
ISC	**X**	**02 22 18 12.3–2.5**	**15.0S–.10**	**166.0E–.30**	**10**	**3.7b**	**11**	**7-31**	
IDC	X	02 22 17 23.0–57	12.36S	171.09E	0	4.0,3.8b			**¶11911761**
NOU	X	02 22 18 07.3–1.3	14.34S	166.92E	30–0	4.3L,3.7			

IDC Error ellipse: s-maj=987.9km s-min=122.6km az=65.0.
NOU Error ellipse: s-maj=10.7km s-min=87.1km az=-1.0.

IDC	**X**	**03 04 32 58.8–59**	**14.11S**	**166.79E**	**0**	**4.1,3.9b**			**¶12065757**
IDC		Error ellipse: s-maj=995.9km s-min=112.4km az=65.0.							
IDC	**X**	**03 18 28 36.5–4.8**	**18.76S**	**167.80E**	**0**	**3.7,3.5b**			**¶12065799**
IDC		Error ellipse: s-maj=118.6km s-min=56.5km az=123.0.							
ISC	**X**	**07 06 54 59.9–1.7**	**13.32S–.07**	**166.9E–.10**	**111–14**	**4.4b**	**36**	**8-166**	
ISCJB	X	07 06 54 58.8–2.0	13.34S–.08	166.9E–.10	113–17	4.4b			**¶12066251**
IDC	X	07 06 54 58.5–.89	13.32S	166.95E	103–5	4.2,4.1			
NEIC	X	07 06 54 59.9–1.5	13.33S	166.94E	114–12	4.6b,4.1			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=11.7km az=158.1.
IDC Error ellipse: s-maj=26.5km s-min=15.7km az=154.0.

NEIC Event type se. Error ellipse: s-maj=13.6km s-min=11.2km az=108.0.
IDC X 07 12 31 08.6–3.1 13.82S 166.53E 0 3.8,3.7b
¶12066258

IDC Error ellipse: s-maj=169.1km s-min=34.1km az=133.0.
ISC X 07 14 56 49.1–1.5 13.25S–.08 167.24E–.10 195–14 4.0b 34 8-166
IDC X 07 14 56 47.5–1.9 13.32S 167.27E 182–15 3.9b,3.9 **¶12066265**
ISCJB X 07 14 56 48.4–1.6 13.26S–.08 167.23E–.10 204–15 4.0b,3.9
NEIC X 07 14 56 49.0–1.3 13.25S 167.25E 195–11 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=13.6km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=12.2km az=165.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.3km az=71.0.
IDC X 07 15 04 30.8–2.4 14.37S 166.78E 0 4.3,4.2
¶12066266

IDC Error ellipse: s-maj=119.4km s-min=27.9km az=137.0.
ISC X 07 15 52 41.4–1.9 20.8S–.10 169.8E–.10 131–12 4.3b 40 3-165
NEIC X 07 15 52 39.4–.72 20.73S 169.90E 116 4.6b **¶12066270**
ISCJB X 07 15 52 40.7–2.0 20.9S–.10 169.8E–.10 139–13 4.3b
IDC X 07 15 52 40.2–.95 20.83S 169.85E 122–6 4.2,4.1
SZGRF X 07 15 53 16.7 21.73S 166.69E 33 4.2,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.1km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=13.1km az=29.9.
IDC Error ellipse: s-maj=20.9km s-min=19.3km az=56.0.
SZGRF New Caledonia.
IDC X 10 03 37 41.5–2.8 14.02S 167.23E 0 3.7,3.5b
¶12066481

IDC Error ellipse: s-maj=118.9km s-min=45.9km az=140.0.
ISC X 10 11 58 22.7–.62 19.08S–.05 169.34E–.04 239–6 4.6b 302 4-167
ISCJB X 10 11 58 21.9–.59 19.11S–.05 169.29E–.04 245–6 4.6b **¶11344600**
BJI X 10 11 58 21.1 19.04S 169.46E 246 4.7b,4.6b
NOU X 10 11 58 22.3–.89 18.37S 168.97E 30–0 3.0,2.6L
LDG X 10 11 58 22.7–.18 19.34S 168.97E 250–0 4.8b,2.6L
MOS X 10 11 58 22.9–1.1 19.07S 169.34E 255 4.8b,2.6L
NEIC X 10 11 58 23.2–.80 19.09S 169.36E 246–7 4.7b,2.6L
IDC X 10 11 58 24.2–1.9 19.07S 169.39E 259–17 4.4,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.5km az=162.3.
NOU Error ellipse: s-maj=20.8km s-min=33.6km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=17.8km s-min=4.6km az=121.0.
MOS Error ellipse: s-maj=10.5km s-min=9.9km az=0.9.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.9km az=160.0.
IDC Error ellipse: s-maj=12.5km s-min=10.7km az=116.0.
NOU X 10 15 20 02.3–1.2 19.71S 168.68E 30–0 2.8,2.3L
IDC X 10 15 23 07.0–37 21.76S 172.70E 0 3.9,3.7b **¶12066515**
NOU Error ellipse: s-maj=24.9km s-min=41.1km az=-1.0.
IDC Error ellipse: s-maj=648.8km s-min=117.6km az=84.0.
ISC X 12 18 52 10.0–4.3 19.6S–.10 169.9E–.10 18–28 4.0b,3.4s 19 4-88
NOU X 12 18 52 07.6–.93 18.84S 169.59E 30–0 3.3L,3.0 **¶11711127**
IDC X 12 18 52 07.6–4.3 19.47S 169.81E 0 4.1,4.0
ISCJB X 12 18 52 09.1–4.4 19.6S–.10 169.9E–.10 26–31 4.0b,3.4s
NEIC X 12 18 52 12.5–1.1 19.66S 169.85E 35 4.3b,3.4s
ISC Event type se.
NOU Error ellipse: s-maj=29.4km s-min=39.3km az=-1.0.
IDC Error ellipse: s-maj=111.0km s-min=44.9km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=28.9km s-min=11.0km az=137.1.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=19.1km az=196.0.
IDC X 13 00 41 19.6–60 13.50S 167.12E 0 4.2,4.0b
¶12068507

IDC Error ellipse: s-maj=1014.0km s-min=109.4km az=64.0.
IDC X 13 01 26 27.5–3.8 20.35S 169.02E 0 4.1,3.9b
¶12068509

IDC Error ellipse: s-maj=121.2km s-min=47.0km az=138.0.
ISC X 13 09 43 59.7–.84 14.4S–.10 167.8E–.20 35 4.0b 18 8-151
IDC X 13 09 43 53.9–1.0 14.37S 167.92E 0 4.3,4.1 **¶11378432**
NEIC X 13 09 43 55.7–.83 14.35S 167.85E 10 4.3,4.1
ISCJB X 13 09 43 57.9–.85 14.5S–.10 167.8E–.20 33 4.0b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 13 22 02 45.5–3.0 19.88S–.05 168.16E–.08 9–19 4.2b,3.5s 40 3-151
ISCJB X 13 22 02 44.7–2.6 19.84S–.05 168.17E–.09 15–16 4.2b,3.5s **¶11711156**
NOU X 13 22 02 44.8–1.1 20.05S 168.82E 30–0 3.7L,2.9
NEIC X 13 22 02 45.7–.46 19.78S 168.14E 10 4.3b,2.9
IDC X 13 22 02 45.9–1.8 19.52S 168.00E 0 5.4L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=7.2km az=24.8.
NOU Error ellipse: s-maj=27.6km s-min=28.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=10.0km az=105.0.
IDC Error ellipse: s-maj=54.2km s-min=26.9km az=141.0.
ISC X 14 12 50 40.7–1.6 18.7S–.10 167.9E–.20 35 3.8b 11 4-90
ISCJB X 14 12 50 38.9–1.6 18.8S–.10 168.0E–.30 33 3.8b **¶12068611**
IDC X 14 12 50 40.6–2.2 17.52S 166.80E 0 4.3,4.1
ISCJB Error ellipse: s-maj=36.0km s-min=12.7km az=16.0.
IDC Error ellipse: s-maj=102.8km s-min=32.8km az=142.0.
ISC X 14 22 40 27.8–3.7 18.57S–.05 168.28E–.08 20–26 4.2b,3.6s 37 4-151
IDC X 14 22 40 25.1–2.2 18.51S 168.25E 0 4.4,4.2 **¶11711183**
ISCJB X 14 22 40 26.4–3.7 18.56S–.05 168.24E–.08 24–27 4.2b,3.6s
NOU X 14 22 40 27.8–1.3 18.32S 168.08E 30–0 3.4L,3.0
NEIC X 14 22 40 29.7–.40 18.57S 168.30E 35 4.4b,3.0
ISC Event type se.
IDC Error ellipse: s-maj=80.7km s-min=26.3km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=8.6km az=15.9.
NOU Error ellipse: s-maj=19.8km s-min=51.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.3km az=53.0.
ISC X 15 14 28 15.6–.31 16.33S–.03 167.06E–.06 54 5.2b,4.4s 173 6-168
NOU X 15 14 28 11.8–1.8 16.03S 166.69E 30–0 4.2L,3.7 **¶13397161**
ISCJB X 15 14 28 14.4–.35 16.21S–.04 166.92E–.06 52 5.2b,4.4s
MOS X 15 14 28 14.3–.93 16.01S 166.65E 33 5.4b,4.5s
IDC X 15 14 28 15.2–.53 16.10S 166.90E 39–3 5.4L,4.8
GCMT X 15 14 28 17.0–.20 16.18S 166.68E 32–0 5.2W,4.8
NEIC X 15 14 28 18.3–.87 16.07S 166.78E 64–7 5.3b,4.8
BJI X 15 14 28 19.6 15.45S 166.74E 64 5.1b,5.1b
DJA X 15 14 28 45 16.08S 165.59E 245 5.0b,5.1b
ISC Event type se.
NOU Error ellipse: s-maj=16.0km s-min=96.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.9km az=17.4.
MOS Error ellipse: s-maj=10.8km s-min=8.2km az=131.3.
IDC Error ellipse: s-maj=18.0km s-min=14.9km az=120.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 100 sta. Moment Tensor Solution. s63,c93; s99,c164; Moment tensor: Scale 10^{16}Nm; M_{rr}4.74±.19 $M_{\theta\theta}$-1.51±.14; $M_{\phi\phi}$-3.23±.13; $M_{r\theta}$4.22±.19; $M_{\theta\phi}$4.78±.10; $M_{\phi r}$0.84±.15; Best double couple: NP1: ϕ_s351.00000°,δ45.00000°,λ142.00000°. NP2:ϕ_s109.00000°,δ64.00000°,λ51.00000°. Principal axes: T 7.7400,Plg54.0000°,Azm331.0000°; N -0.1300,Plg34.0000°,Azm129.0000° ; P -7.6100,Plg11.0000°,Azm226.0000° $M_0$7.70000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=6.1km az=110.0.
IDC X 17 07 09 26.6–2.7 13.59S 167.29E 0 4.3,4.1b
¶12068867

IDC Error ellipse: s-maj=103.9km s-min=44.1km az=138.0.
IDC X 17 18 28 57.6–2.8 14.95S 167.78E 0 3.7,3.5
¶12068908

IDC Error ellipse: s-maj=116.6km s-min=30.8km az=142.0.
ISC X 19 08 08 56.3–1.2 19.83S–.09 170.00E–.07 40–11 4.5b 52 4-167
LDG X 19 08 08 50.7–.55 20.02S 170.46E 10–0 4.8b **¶11389410**
IDC X 19 08 08 50.3–.68 19.80S 169.90E 0 4.5,4.5
NOU X 19 08 08 51.0–.32 19.16S 169.88E 30–0 3.8L,3.1
ISCJB X 19 08 08 54.3–1.3 19.86S–.08 170.01E–.07 40–12 4.5b,3.1
NEIC X 19 08 08 55.8–.98 19.81S 169.91E 35–9 4.9b,3.1
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=68.1km s-min=3.7km az=142.0.
IDC Error ellipse: s-maj=22.9km s-min=18.1km az=103.0.

NOU Error ellipse: s-maj=12.3km s-min=13.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=8.4km az=150.4.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.0km az=150.0.
IDC X 22 20 19 16.9–5.5 13.42S 167.74E 0 3.9,3.6b
¶12070831

IDC Error ellipse: s-maj=270.3km s-min=34.8km az=141.0.
IDC X 23 12 22 34.1–65 15.25S 165.52E 0 3.7,3.5b
¶12070889

IDC Error ellipse: s-maj=1095.0km s-min=117.4km az=66.0.
ISC X 23 14 09 23.0–2.4 13.20S–.09 167.0E–.10 232–23 4.3b 56 9-166
ISCJB X 23 14 09 22.1–2.5 13.21S–.09 167.0E–.10 240–23 4.3b **¶13397897**
NEIC X 23 14 09 22.8–1.6 13.20S 166.98E 233–15 4.4b
IDC X 23 14 09 22.8–4.5 13.22S 166.97E 230–38 4.1,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=14.8km az=9.7.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=9.8km az=70.0.
IDC Error ellipse: s-maj=22.5km s-min=12.7km az=94.0.
ISC X 23 14 25 58.0–2.9 19.3S–.10 169.2E–.30 35 3.7b 8 4-33
IDC X 23 14 23 54.1–30 14.17S 176.71W 0 5.1,5.1b **¶12070898**
NOU X 23 14 25 53.6–.40 19.20S 169.26E 0–999 3.2L,5.1b
IDC Error ellipse: s-maj=554.1km s-min=81.3km az=62.0.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC X 23 14 44 06.5–2.3 19.22S–.04 169.18E–.05 10–15 4.7b,4.5s 87 4-167
NOU X 23 14 44 01.7–1.4 18.48S 168.51E 0–999 4.1L,3.1 **¶11390988**
ISCJB X 23 14 44 04.2–2.0 19.23S–.05 169.19E–.05 7–12 4.7b,4.5s
IDC X 23 14 44 04.3–.57 19.05S 169.27E 0 4.6,4.5
GCMT X 23 14 44 10.6–.20 19.14S 169.28E 12 5.1W,4.5
NEIC X 23 14 44 10.1–1.1 19.21S 169.24E 38–10 4.9b,4.5
ISC Event type se.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.4km az=38.3.
IDC Error ellipse: s-maj=18.2km s-min=15.3km az=113.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s36,c43; s91,c139; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.14 $M_{\theta\theta}$-4.00±.13; $M_{\phi\phi}$4.47±.12; $M_{r\theta}$-0.65±.36; $M_{\theta\phi}$-3.83±.11; $M_{\phi r}$-0.29±.38; Best double couple: NP1:ϕ_s114.00000°,δ84.00000° ,λ-175.00000°. NP2:ϕ_s24.00000°,δ85.00000°,λ-6.00000°. Principal axes: T 5.9500,Plg0.0000°,Azm69.0000°; N -0.3700,Plg82.0000°,Azm161.0000° ; P -5.5700,Plg8.0000°,Azm339.0000° $M_0$5.80000×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.2km az=166.0.
IDC X 25 11 58 11.8–6.2 19.31S 170.29E 0 4.1,3.8b
¶12071069

IDC Error ellipse: s-maj=273.2km s-min=36.1km az=149.0.
ISC X 25 19 24 50.8–1.3 17.32S–.02 167.27E–.02 20–7 5.6b,5.3s 565 5-167
IDC X 25 19 24 47.7–.38 17.24S 167.26E 0 6.1L,5.4 **¶11362640**
NOU X 25 19 24 47.3–.69 16.95S 166.97E 30–0 3.8,5.4
ISCJB X 25 19 24 48.2–1.2 17.29S–.03 167.20E–.02 14–7 5.6b,5.3s
BJI X 25 19 24 50.1 17.24S 167.97E 44 5.6b,5.4s
NEIC X 25 19 24 50.9–1.6 17.23S 167.26E 23–11 5.7b,5.7W
LDG X 25 19 24 51.1–.14 17.15S 166.11E 10–0 5.5b,5.2s
BGS X 25 19 24 52.7–2.4 17.23S 167.26E 23–0 5.7b,5.2s
MOS X 25 19 24 52.2–1.2 17.08S 167.16E 33 5.9b,5.3s
DJA X 25 19 24 54 17.38S 166.99E 30 5.8W,5.3s
GCMT X 25 19 24 54.4–.10 17.25S 167.09E 22–0 5.7W,5.3s
ISC Event type ke.
IDC Error ellipse: s-maj=15.3km s-min=13.1km az=168.0.
NOU Error ellipse: s-maj=4.9km s-min=30.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=167.2.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.1km az=158.0. Moment Tensor Solution. s21 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.38 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$2.20 $M_{r\theta}$-1.30 $M_{\theta\phi}$2.32 $M_{\phi r}$2.17 Best double couple: NP1:ϕ_s66.00000°,δ48.00000°,λ-21.00000°. NP2:ϕ_s170.00000° ,δ74.00000°,λ-136.00000°. Principal axes: T 3.8300,Plg16.0000°,Azm292.0000° ; N 0.2000,Plg43.0000°,Azm186.0000°; P -4.0300,Plg41.0000°,Azm37.0000° $M_0$3.90000×10^{17}
LDG Event type ke. Error ellipse: s-maj=19.7km s-min=6.5km az=81.0.
BGS Error ellipse: s-maj=462.5km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=8.2km s-min=7.8km az=79.6.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=240, per= 50. Moment Tensor Solution. s87,c178; s55,c68; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.53±.05 $M_{\theta\theta}$-0.36±.04; $M_{\phi\phi}$2.89±.05; $M_{r\theta}$-1.22±.09; $M_{\theta\phi}$3.46±.04; $M_{\phi r}$1.07±.08; Best double couple: NP1:ϕ_s68.00000°,δ58.00000°,λ-34.00000°. NP2:ϕ_s177.00000°,δ62.00000°,λ-144.00000°. Principal axes: T 5.1000,Plg2.0000°,Azm302.0000°; N -0.9500,Plg45.0000°,Azm210.0000° ; P -4.1500,Plg45.0000°,Azm34.0000° $M_0$4.60000×10^{17}
IDC X 26 10 53 23.1–4.8 18.85S 169.44E 0 4.1,4.0b
¶12071156

IDC Error ellipse: s-maj=118.1km s-min=79.1km az=144.0.
ISC X 27 05 43 51.4–.10 14.71S–.03 167.21E–.02 136 5.1b 567 7-169
LDG X 27 05 43 34.1–.72 14.73S 167.26E 10–0 5.2b,4.5s **¶13398220**
NOU X 27 05 43 45.3–.35 14.45S 168.38E 30–0 5.6L,4.0
ISCJB X 27 05 43 49.7–.10 14.71S–.03 167.15E–.02 134 5.1b,4.0
BJI X 27 05 43 50.8 14.14S 167.27E 132 5.0b,4.9b
NEIC X 27 05 43 50.6–.13 14.64S 167.18E 129 5.6W,5.2b
IDC X 27 05 43 51.4–.43 14.65S 167.11E 134–3 4.9,4.9
MOS X 27 05 43 52.9–1.5 14.62S 167.18E 156 5.0b,4.9
GCMT X 27 05 43 52.9–.10 14.66S 167.13E 140–0 5.6W,4.9
DJA X 27 05 43 56 14.83S 167.09E 169 5.6W,4.9
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=70.1km s-min=41.3km az=1.0.
NOU Error ellipse: s-maj=6.1km s-min=26.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=162.5.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.4km az=180.0. Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.36 $M_{r\theta}$-1.25 $M_{\theta\phi}$2.54 $M_{\phi r}$-1.81 Best double couple: NP1:ϕ_s286.00000°,δ55.00000°,λ24.00000°. NP2:ϕ_s182.00000° ,δ71.00000°,λ142.00000°. Principal axes: T 3.7800,Plg39.0000°,Azm138.0000° ; N -0.3900,Plg48.0000°,Azm339.0000°; P -3.3900,Plg10.0000°,Azm237.0000° $M_0$3.60000×10^{17}
IDC Error ellipse: s-maj=11.0km s-min=8.8km az=159.0.
MOS Error ellipse: s-maj=8.3km s-min=7.0km az=18.7.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=225, per= 50. Moment Tensor Solution. s95,c162; s33,c35; Moment tensor: Scale 10^{17}Nm; M_{rr}1.01±.03 $M_{\theta\theta}$1.28±.04; $M_{\phi\phi}$-2.29±.04; $M_{r\theta}$-0.97±.03; $M_{\theta\phi}$2.01±.04; $M_{\phi r}$-1.73±.03; Best double couple: NP1:ϕ_s296.00000°,δ52.00000°,λ16.00000°. NP2:ϕ_s195.00000°,δ77.00000°,λ141.00000°. Principal axes: T 3.3700,Plg36.0000°,Azm148.0000°; N 0.1700,Plg49.0000°,Azm360.0000° ; P -3.5300,Plg16.0000°,Azm250.0000° $M_0$3.50000×10^{17}
IDC X 27 12 12 17.2–12 19.06S 169.49E 245–119 3.7,3.6
¶12071235

IDC Error ellipse: s-maj=53.9km s-min=41.2km az=143.0.
ISC X 28 11 57 23.8–1.2 14.72S–.07 167.26E–.07 187–12 4.5b 53 7-166
LDG X 28 11 57 04.5–.38 13.56S 167.29E 10–0 4.4b **¶11395433**
IDC X 28 11 57 12.5–8.5 14.65S 167.74E 103–72 4.4,4.3
NOU X 28 11 57 15.5–1.3 14.14S 165.09E 30–0 3.7,4.3
ISCJB X 28 11 57 23.2–1.2 14.72S–.07 167.23E–.07 195–12 4.4b,4.3
NEIC X 28 11 57 24.1–1.9 14.64S 167.21E 182–16 4.8b,4.3
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=50.9km s-min=10.6km az=88.0.
IDC Error ellipse: s-maj=35.1km s-min=24.2km az=111.0.
NOU Error ellipse: s-maj=30.2km s-min=194.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=11.0km az=13.6.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=10.9km az=147.0.
ISC X 31 09 30 34.7–5.5 14.8S–.30 165.8E–.60 35 3.8b 6 7-39
IDC X 31 09 30 34.5–40 14.86S 165.13E 0 4.2,4.0b **¶12071719**
IDC Error ellipse: s-maj=691.2km s-min=90.4km az=68.0.
IDC XI 02 01 40 08.6–71 18.49S 168.59E 0 3.7,3.5b
¶12071936

IDC Error ellipse: s-maj=1190.0km s-min=126.1km az=73.0.
ISC XI 02 11 57 13.1–4.8 18.4S–.30 169.4E–.30 19–32 3.9b 9 5-96
IDC XI 02 11 57 10.0–2.0 18.34S 169.41E 0 4.1,4.0b **¶12071982**
IDC Error ellipse: s-maj=67.1km s-min=26.9km az=141.0.
IDC XI 02 22 21 36.3–3.1 18.61S 169.82E 0 4.2,4.0b
¶12072040

IDC Error ellipse: s-maj=126.7km s-min=35.4km az=142.0.
IDC XI 04 11 59 55.0–3.7 14.21S 167.48E 0 3.7,3.5

¶12072240

IDC Error ellipse: s-maj=202.2km s-min=32.0km az=144.0.
ISC XI 04 18 35 46.6–.08 17.13S–.02 168.45E–.02 211 5.5b 870 5-175
NOU XI 04 18 35 36.4–.99 16.30S 168.74E 30–0 4.3L,3.7 **¶11392454**
MOS XI 04 18 35 44.3–1.0 17.10S 168.54E 201 5.7b,5.4s
NEIC XI 04 18 35 45.3–.10 17.14S 168.46E 206 6.3W,6.2W
ISCJB XI 04 18 35 45.1–.08 17.11S–.02 168.40E–.02 209 5.5b,6.2W
LDG XI 04 18 35 45.0–.14 16.90S 168.20E 190–0 5.5b,5.3s
IDC XI 04 18 35 45.2–.60 17.12S 168.45E 203–4 5.3s,5.3
BJI XI 04 18 35 46.7 16.58S 168.42E 206 5.8b,5.5b
GCMT XI 04 18 35 53.2–.10 17.03S 168.31E 232–0 6.3W,5.5b
DJA XI 04 18 36 05 17.20S 167.13E 316 5.6b,5.5b
ISC Event type ke.
NOU Error ellipse: s-maj=22.1km s-min=71.5km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=6.7km az=90.8.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.6km az=159.0. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s115.00000°,δ65.00000° ,λ155.00000°. NP2:ϕ_s216.00000°,δ67.00000°,λ27.00000°. Principal axes: T Plg35.0000° ,Azm76.0000°; N Plg0.0000°,Azm0.0000°; P Plg2.0000°,Azm345.0000° Moment Tensor Solution. s70 Moment tensor: Scale 10^{18}Nm; M_{rr}1.48 $M_{\theta\theta}$-2.31 $M_{\phi\phi}$0.84 $M_{r\theta}$0.23 $M_{\theta\phi}$-1.52 $M_{\phi r}$-0.75 Best double couple: NP1:ϕ_s213.00000°,δ60.00000°,λ36.00000°. NP2:ϕ_s103.00000° ,δ59.00000°,λ145.00000°. Principal axes: T 2.2500,Plg45.0000°,Azm68.0000° ; N 0.6800,Plg44.0000°,Azm246.0000°; P -2.9300,Plg0.0000°,Azm337.0000° M_o2.60000×10^{18} Moment Tensor Solution. M_o2.10000×10^{18}
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=144.8.
LDG Event type ke. Error ellipse: s-maj=17.2km s-min=4.3km az=99.0.
IDC Error ellipse: s-maj=8.8km s-min=7.7km az=40.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 104 sta. Surface waves: sta=125, comp=312, per= 50. Moment Tensor Solution. s121,c292; s99,c188; Moment tensor: Scale 10^{18}Nm; M_{rr}1.69±.02 $M_{\theta\theta}$-3.66±.02; $M_{\phi\phi}$1.98±.02; $M_{r\theta}$0.34±.02; $M_{\theta\phi}$-2.16±.02; $M_{\phi r}$-1.44±.02; Best double couple: NP1:ϕ_s111.00000°,δ65.00000°,λ154.00000°. NP2:ϕ_s212.00000°,δ67.00000°,λ28.00000°. Principal axes: T 3.7600,Plg35.0000° ,Azm72.0000°; N 0.6400,Plg55.0000°,Azm249.0000°; P -4.4000,Plg1.0000°,Azm341.0000° M_o4.10000×10^{18}
ISC XI 05 09 31 23.3–2.9 20.5S–.20 169.4E–.20 46–22 4.0b 17 3-146
IDC XI 05 09 31 18.9–3.8 19.86S 169.16E 0 4.3,4.0b **¶12072371**
NEIC XI 05 09 31 19.9–7.1 20.52S 169.66E 35 4.0b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=184.6km s-min=42.0km az=153.0.
NEIC Event type se. Error ellipse: s-maj=118.0km s-min=34.8km az=111.0.
ISC XI 06 22 44 43.0–.13 18.63S–.04 169.01E–.03 221 4.9b 358 4-167
BJI XI 06 22 44 39.0 18.77S 169.72E 223 4.8b,4.7b **¶11396276**
ISCJB XI 06 22 44 41.5–.13 18.60S–.04 168.97E–.03 219 4.9b,4.7b
MOS XI 06 22 44 42.8–1.1 18.59S 169.05E 235 5.2b,4.7b
NEIC XI 06 22 44 42.8–.20 18.61S 169.06E 220 5.1b,4.7b
IDC XI 06 22 44 43.1–.72 18.60S 169.02E 224–6 4.8,4.8
GCMT XI 06 22 44 45.2–.30 18.64S 168.90E 216–2 5.1W,4.8
LDG XI 06 22 44 45.8–.38 18.56S 168.47E 240–0 4.6b,4.8
DJA XI 06 22 44 52 18.83S 168.77E 307 4.9b,4.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=144.7.
MOS Error ellipse: s-maj=11.0km s-min=8.8km az=142.3.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.4km az=139.0.
IDC Error ellipse: s-maj=9.8km s-min=8.2km az=136.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s36,c41; s69,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}0.22±.19 $M_{\theta\theta}$-1.26±.21; $M_{\phi\phi}$1.04±.20; $M_{r\theta}$3.93±.17; $M_{\theta\phi}$-1.77±.16; $M_{\phi r}$-2.97±.16; Best double couple: NP1:ϕ_s207.00000°,δ21.00000°,λ-3.00000°. NP2:ϕ_s300.00000°,δ89.00000°,λ-111.00000°. Principal axes: T 5.9000,Plg40.0000° ,Azm49.0000°; N -1.3100,Plg21.0000°,Azm300.0000°; P -4.5900,Plg42.0000° ,Azm190.0000° M_o5.20000×10^{16}
LDG Event type ke. Error ellipse: s-maj=44.1km s-min=17.7km az=10.0.
ISC XI 06 23 57 16.8–1.4 20.09S–.10 169.57E–.08 121–11 4.4b 52 3-166
LDG XI 06 23 57 06.0–.34 19.59S 169.74E 33–0 4.7b **¶11474870**
ISCJB XI 06 23 57 15.7–1.5 20.14S–.10 169.60E–.08 126–11 4.4b
NOU XI 06 23 57 16.6–.52 19.66S 169.37E 10–0 3.7L,2.8
IDC XI 06 23 57 17.1–.73 20.12S 169.56E 126–5 4.2,4.1
NEIC XI 06 23 57 20.5–2.7 20.12S 169.55E 158–24 4.6b,4.1
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=48.0km s-min=26.6km az=35.0.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=12.1km az=18.6.
NOU Error ellipse: s-maj=15.7km s-min=15.2km az=-1.0.
IDC Error ellipse: s-maj=22.5km s-min=16.3km az=155.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=8.8km az=206.0.
ISC XI 07 07 19 35.2–.08 14.88S–.02 168.06E–.02 10 6.2s,5.9b 1012 7-169
NOU XI 07 07 19 29.8–.30 14.36S 168.38E 30–0 4.5,3.9L **¶13399479**
ISCJB XI 07 07 19 33.6–.08 14.89S–.02 168.00E–.02 10 6.2s,5.9b
IDC XI 07 07 19 33.1–.33 14.88S 168.15E 0 6.2s,6.2
LDG XI 07 07 19 34.7–.29 14.68S 168.04E 10–0 6.2b,6.1s
NEIC XI 07 07 19 35.7–.13 14.83S 168.03E 13 6.4W,6.3s
MOS XI 07 07 19 37.6–1.3 14.82S 168.01E 33 6.1s,6.1b
BJI XI 07 07 19 37.6 14.31S 168.02E 24 6.5b,6.3s
GCMT XI 07 07 19 41.0–.00 14.92S 168.15E 12 6.4W,6.3s
DJA XI 07 07 19 44 14.98S 168.11E 82 6.9W,6.3s
ISC Event type ke.
NOU Error ellipse: s-maj=10.5km s-min=116.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=168.2.
IDC Error ellipse: s-maj=12.8km s-min=12.4km az=93.0.
LDG Event type ke. Error ellipse: s-maj=37.3km s-min=12.2km az=95.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=160.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s75 Moment tensor: Scale 10^{18}Nm; M_{rr}2.53 $M_{\theta\theta}$-0.42 $M_{\phi\phi}$-2.11 $M_{r\theta}$0.41 $M_{\theta\phi}$-0.06 $M_{\phi r}$1.41 Best double couple: NP1:ϕ_s9.00000°,δ61.00000°,λ96.00000°. NP2: ϕ_s177.00000°,δ29.00000°,λ80.00000°. Principal axes: T 2.9700,Plg73.0000°,Azm292.0000° ; N -0.4500,Plg4.0000°,Azm186.0000°; P -2.5200,Plg15.0000°,Azm94.0000° M_o2.80000×10^{18} Moment Tensor Solution. M_o1.00000×10^{19}
MOS Error ellipse: s-maj=6.4km s-min=6.2km az=113.7.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 105 sta. Surface waves: sta=119, comp=297, per= 50. Moment Tensor Solution. s116,c284; s99,c197; Moment tensor: Scale 10^{18}Nm; M_{rr}3.98±.02 $M_{\theta\theta}$0.06±.02; $M_{\phi\phi}$-4.04±.02; $M_{r\theta}$0.09±.05; $M_{\theta\phi}$1.09±.02; $M_{\phi r}$1.80±.05; Best double couple: NP1:ϕ_s158.00000°,δ34.00000°,λ78.00000°. NP2:ϕ_s353.00000°,δ57.00000°,λ98.00000°. Principal axes: T 4.3900,Plg77.0000° ,Azm289.0000°; N 0.2600,Plg7.0000°,Azm169.0000°; P -4.6600,Plg11.0000°,Azm77.0000° M_o4.50000×10^{18}
ISC XI 07 07 22 59.7–.48 14.79S–.09 168.07E–.09 10 4.9b 46 19-167
IDC XI 07 07 22 57.8–.84 14.85S 167.98E 0 5.1,4.8b **¶12072637**
ISCJB XI 07 07 22 58.1–.49 14.81S–.09 168.03E–.09 10 4.9b,4.8b
NEIC XI 07 07 23 00.2–.38 14.79S 168.09E 10 5.0b,4.8b
MOS XI 07 07 23 01.7–1.5 14.76S 168.00E 33 5.1b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=22.7km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=10.5km az=139.5.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=11.0km az=140.0.
MOS Error ellipse: s-maj=27.2km s-min=14.7km az=161.3.
IDC XI 07 07 30 10.8–4.4 15.71S 168.87E 0 4.4,4.2b
¶12072639

IDC Error ellipse: s-maj=165.3km s-min=33.4km az=143.0.
IDC XI 07 07 35 02.6–10.0 15.48S 168.77E 0 4.5,4.3b
¶11396590

IDC Error ellipse: s-maj=253.7km s-min=64.9km az=128.0.
ISC XI 07 07 35 46.1–.22 15.01S–.03 168.03E–.04 10 5.5s,5.1b 207 7-167
IDC XI 07 07 35 43.1–.55 15.01S 168.00E 0 5.7,5.6s **¶12072641**
ISCJB XI 07 07 35 44.6–.21 15.04S–.03 167.95E–.04 10 5.5s,5.1b
LDG XI 07 07 35 44.6–.36 14.71S 167.79E 10–0 5.4b,5.1b
BJI XI 07 07 35 45.2 14.37S 168.31E 11 5.7s,5.7b
NEIC XI 07 07 35 45.7–.24 14.95S 167.94E 10 5.3b,5.7b
GCMT XI 07 07 35 47.5–.20 14.81S 168.21E 12 5.7W,5.7b
MOS XI 07 07 35 47.7–1.5 14.94S 167.88E 33 5.4b,5.7b
DJA XI 07 07 36 00 15.12S 167.77E 107 5.1b,5.7b
ISC Event type ke.
IDC Error ellipse: s-maj=18.2km s-min=15.7km az=142.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=12.3.
LDG Event type ke. Error ellipse: s-maj=45.7km s-min=11.3km az=92.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.9km az=149.0.
GCMT Event type se. Data Used: IU G IC CN II. Moment Tensor Solution. s7,c7; s87,c157; Moment tensor: Scale 10^{17}Nm; M_{rr}2.83±.07 $M_{\theta\theta}$-0.59±.07; $M_{\phi\phi}$-2.24±.06; $M_{r\theta}$-1.67±.43; $M_{\theta\phi}$0.54±.06; $M_{\phi r}$2.81±.27; Best double couple: NP1:ϕ_s169.00000°,δ20.00000°,λ105.00000°. NP2:ϕ_s333.00000°,δ71.00000°,λ85.00000°. Principal axes: T 4.4300,Plg64.0000° ,Azm234.0000°; N -0.5000,Plg5.0000°,Azm335.0000°; P -3.9300,Plg26.0000°,Azm67.0000° M_o4.20000×10^{17}
MOS Error ellipse: s-maj=11.0km s-min=8.7km az=177.3.
ISC XI 07 07 45 52.8–.13 15.00S–.03 168.03E–.03 10 5.5s,5.2b 321 7-167
IDC XI 07 07 45 49.9–.49 14.96S 168.16E 0 5.1,5.0b **¶11396593**
DJA XI 07 07 45 50 15.18S 168.46E 10 5.6b,5.0b
ISCJB XI 07 07 45 51.1–.13 15.04S–.03 167.98E–.03 10 5.5s,5.2b
NEIC XI 07 07 45 52.4–.24 14.95S 168.08E 10 5.2b,5.2b
LDG XI 07 07 45 53.5–.32 14.76S 167.40E 10–0 5.5b,5.2b
MOS XI 07 07 45 55.4–1.6 14.88S 167.93E 33 5.2b,5.2b
BJI XI 07 07 45 55.3 14.35S 168.08E 26 5.8b,5.7s
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=13.9km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=143.1.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.7km az=142.0.
LDG Event type ke. Error ellipse: s-maj=40.5km s-min=9.6km az=90.0.
MOS Error ellipse: s-maj=10.1km s-min=8.5km az=25.0.
IDC XI 07 07 59 53.0–5.2 14.50S 167.63E 0 4.0,3.7b
¶12072643

IDC Error ellipse: s-maj=250.4km s-min=33.5km az=143.0.
IDC XI 07 08 09 27.6–4.7 14.73S 168.07E 0 4.1,3.9b
¶12072644

IDC Error ellipse: s-maj=200.3km s-min=32.6km az=141.0.
IDC XI 07 09 01 56.3–42 20.33S 169.08E 0 4.1,3.9b
¶12072652

IDC Error ellipse: s-maj=719.8km s-min=111.2km az=80.0.
ISC XI 07 09 26 43.9–.35 14.88S–.03 167.96E–.06 10 4.8s,4.8b 90 7-167
NOU XI 07 09 26 33.9–1.0 14.08S 168.19E 30–0 3.8,4.8b **¶11396600**
BJI XI 07 09 26 40.6 15.45S 168.92E 35 5.3b,5.1s
ISCJB XI 07 09 26 41.9–.35 14.95S–.03 167.99E–.06 10 4.8s,4.8b
IDC XI 07 09 26 41.1–1.1 14.79S 167.99E 0 4.6,4.5b
NEIC XI 07 09 26 43.5–.35 14.79S 167.95E 10 5.0b,4.5b
LDG XI 07 09 26 43.9–.36 14.68S 167.40E 10–0 4.9b,4.5b
MOS XI 07 09 26 45.5–1.3 15.05S 167.93E 33 5.1b,4.5b
ISC Event type ke.
NOU Error ellipse: s-maj=18.5km s-min=81.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.6km az=5.6.
IDC Error ellipse: s-maj=38.6km s-min=18.0km az=143.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.8km az=148.0.
LDG Event type ke. Error ellipse: s-maj=41.9km s-min=9.0km az=89.0.
MOS Error ellipse: s-maj=16.7km s-min=10.6km az=7.3.
ISC XI 07 09 40 00.7–.10 14.97S–.02 168.06E–.02 10 5.5b,4.9s 592 7-169
NOU XI 07 09 39 58.2–.81 14.51S 167.98E 30–0 3.9L,3.8 **¶13399490**
IDC XI 07 09 39 58.3–.42 14.95S 168.19E 0 5.3,5.3
ISCJB XI 07 09 39 59.0–.10 15.01S–.03 168.01E–.02 10 5.5b,4.9s
NEIC XI 07 09 40 00.5–.15 14.92S 168.12E 10 5.5b,4.9s
LDG XI 07 09 40 00.2–.30 14.73S 168.02E 10–0 5.8b,4.9s
GCMT XI 07 09 40 03.2–.20 15.02S 168.20E 18–0 5.5W,4.9s
MOS XI 07 09 40 03.5–1.4 14.86S 168.02E 34 5.5b,4.8s
BJI XI 07 09 40 04.2 14.25S 168.11E 29 5.7b,5.4b
DJA XI 07 09 40 13 15.21S 168.03E 115 5.7W,5.4b
ISC Event type ke.
NOU Error ellipse: s-maj=11.1km s-min=53.7km az=-1.0.
IDC Error ellipse: s-maj=16.3km s-min=14.4km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=157.2.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.4km az=155.0.
LDG Event type ke. Error ellipse: s-maj=38.0km s-min=12.4km az=95.0.
GCMT Event type se. Data Used: II IU G IC CN. Surface waves: sta= 98, comp=161, per= 50. Moment Tensor Solution. s65,c100; s11,c11; Moment tensor: Scale 10^{17}Nm; M_{rr}1.98±.07 $M_{\theta\theta}$-0.68±.05; $M_{\phi\phi}$-1.30±.05; $M_{r\theta}$0.06±.11; $M_{\theta\phi}$0.89±.03; $M_{\phi r}$0.52±.10; Best double couple: NP1:ϕ_s135.00000°,δ40.00000°,λ76.00000°. NP2:ϕ_s334.00000°,δ51.00000°,λ102.00000°. Principal axes: T 2.0800,Plg79.0000°,Azm294.0000°; N -0.1000,Plg9.0000°,Azm147.0000° ; P -1.9700,Plg6.0000°,Azm56.0000° M_o2.00000×10^{17}
MOS Error ellipse: s-maj=8.1km s-min=7.9km az=100.1.
IDC XI 07 09 50 42.9–2.9 13.48S 167.12E 0 3.9,3.7b
¶12072655

IDC Error ellipse: s-maj=127.2km s-min=46.4km az=139.0.
IDC XI 07 11 27 06.1–5.6 14.68S 168.07E 0 4.2,3.9b
¶12072670

IDC Error ellipse: s-maj=261.2km s-min=33.8km az=144.0.
ISC XI 07 12 07 25.6–2.0 15.08S–.03 167.87E–.03 15–12 4.8b,4.4s 262 7-166
ISCJB XI 07 12 07 22.0–1.8 15.11S–.03 167.83E–.03 3–11 4.8b,4.4s **¶11396603**
IDC XI 07 12 07 21.5–.69 14.98S 168.07E 0 4.9,4.8
LDG XI 07 12 07 23.5–.26 14.75S 167.69E 10–0 5.0b,4.4s
NEIC XI 07 12 07 24.4–.28 15.02S 167.82E 10 4.9b,4.4s
GCMT XI 07 12 07 25.3–.30 14.84S 168.17E 12–1 5.0W,4.4s
BJI XI 07 12 07 26.7 15.13S 168.03E 39 5.2b,5.0s
MOS XI 07 12 07 26.7–1.5 15.09S 167.77E 33 5.1b,4.5s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=144.5.
IDC Error ellipse: s-maj=20.8km s-min=17.6km az=130.0.
LDG Event type ke. Error ellipse: s-maj=32.0km s-min=7.4km az=91.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.8km az=165.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s15,c16; s64,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}3.59±.30 $M_{\theta\theta}$-0.72±.18; $M_{\phi\phi}$-2.88±.20; $M_{r\theta}$-1.92±.72; $M_{\theta\phi}$0.84±.11; $M_{\phi r}$2.66±.60; Best double couple: NP1:ϕ_s169.00000°,δ24.00000°,λ107.00000°. NP2:ϕ_s330.00000°,δ67.00000°,λ83.00000°. Principal axes: T 4.9700,Plg67.0000° ,Azm226.0000°; N -0.5400,Plg7.0000°,Azm333.0000°; P -4.4300,Plg22.0000°,Azm66.0000° M_o4.70000×10^{16}
MOS Error ellipse: s-maj=12.5km s-min=9.2km az=7.9.
IDC XI 07 12 56 15.4–5.2 14.59S 167.99E 0 4.0,3.7b
¶12072680

IDC Error ellipse: s-maj=250.0km s-min=34.5km az=143.0.
ISC XI 07 13 49 41.0–1.1 14.96S–.05 168.16E–.06 37–10 4.5b,4.1s 59 7-167
NOU XI 07 13 49 33.9–.98 14.49S 168.55E 30–0 3.8,3.5L **¶11474871**
IDC XI 07 13 49 35.6–.78 14.79S 168.07E 0 4.6,4.4
LDG XI 07 13 49 38.7–.24 14.69S 167.28E 10–0 5.0b,4.2s
ISCJB XI 07 13 49 38.1–2.1 15.01S–.04 168.15E–.06 29–14 4.5b,4.1s
NEIC XI 07 13 49 40.0–3.1 14.92S 168.12E 27–21 4.6b,4.1s
GCMT XI 07 13 49 39.2–.30 14.88S 168.06E 15–1 4.9W,4.1s
ISC Event type ke.
NOU Error ellipse: s-maj=18.1km s-min=66.0km az=-1.0.
IDC Error ellipse: s-maj=27.0km s-min=18.8km az=150.0.
LDG Event type ke. Error ellipse: s-maj=31.2km s-min=5.9km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.0km az=172.7.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.8km az=190.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s15,c17; s59,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}2.85±.22 $M_{\theta\theta}$-0.03±.14; $M_{\phi\phi}$-2.82±.15; $M_{r\theta}$0.89±.56; $M_{\theta\phi}$0.50±.08; $M_{\phi r}$0.15±.38; Best double couple: NP1:ϕ_s6.00000°,δ47.00000°,λ113.00000°. NP2:ϕ_s154.00000°,δ47.00000°,λ67.00000°. Principal axes: T 3.1200,Plg74.0000° ,Azm350.0000°; N -0.2100,Plg16.0000°,Azm170.0000°; P -2.9100,Plg0.0000° ,Azm260.0000° M_o3.00000×10^{16}
IDC XI 07 21 45 47.5–5.4 14.48S 167.31E 0 4.2,4.0b
¶12072755

IDC Error ellipse: s-maj=138.9km s-min=44.8km az=117.0.
ISC XI 08 17 29 02.1–1.9 15.04S–.07 168.3E–.10 45–15 4.3b,3.6s 47 7-146
IDC XI 08 17 28 55.6–1.1 14.94S 168.16E 0 4.3,4.1 **¶11457803**
ISCJB XI 08 17 28 59.1–.72 15.06S–.05 168.3E–.10 33 4.3b,3.6s
NEIC XI 08 17 29 01.8–2.1 15.04S 168.32E 49–17 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=24.1km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=6.7km az=176.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=12.9km az=69.0.
ISC XI 09 16 46 04.0–.92 19.05S–.09 169.27E–.08 243–9 3.8b 35 4-167

ISCJB XI 09 16 46 03.3–.91 19.08S–.09 169.26E–.08 252–9 3.8b ¶12072973
NEIC XI 09 16 46 04.2–.87 19.03S 169.30E 249–8 3.9b
IDC XI 09 16 46 06.0–7.9 18.99S 169.31E 266–71 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=11.8km az=158.3.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.7km az=162.0.
IDC Error ellipse: s-maj=31.5km s-min=20.9km az=94.0.
ISC XI 10 15 11 16.3–1.3 14.20S–.06 167.27E–.10 222–11 4.2b 54 8-166
LDG XI 10 15 10 53.3–.41 12.68S 167.96E 10–0 4.6b ¶11474872
IDC XI 10 15 11 10.7–2.6 14.19S 167.40E 172–20 4.2,4.1
ISCJB XI 10 15 11 15.8–1.3 14.19S–.06 167.26E–.10 232–12 4.2b,4.1
NEIC XI 10 15 11 16.3–1.3 14.20S 167.25E 218–11 4.3b,4.1
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=62.1km s-min=11.9km az=91.0.
IDC Error ellipse: s-maj=21.9km s-min=13.4km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=10.1km az=0.3.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.0km az=92.0.
ISC XI 11 04 16 28.5–2.2 18.4S–.20 169.0E–.10 209–21 4.1b 27 4-145
ISCJB XI 11 04 16 28.1–2.3 18.4S–.20 169.0E–.10 217–22 4.1b ¶12073136
NEIC XI 11 04 16 28.8–2.0 18.42S 169.05E 216–19 4.1b
IDC XI 11 04 16 31.2–7.3 18.46S 169.04E 238–73 3.9,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=20.0km az=171.8.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=14.8km az=178.0.
IDC Error ellipse: s-maj=34.8km s-min=17.5km az=11.0.
ISC XI 11 12 41 25.6–2.3 18.6S–.20 168.7E–.20 118–20 3.6b 18 4-89
IDC XI 11 12 41 13.1–2.5 17.54S 168.44E 0 3.9,3.7 ¶11711732
NOU XI 11 12 41 23.4–.60 18.31S 168.62E 30–0 3.6L,3.2
NEIC XI 11 12 41 24.7–2.8 18.54S 168.71E 112–24 4.2b,3.2
ISCJB XI 11 12 41 25.5–2.4 18.7S–.20 168.6E–.20 132–22 3.5b,3.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 12 17 03 06.2–2.2 17.56S–.03 167.13E–.06 26–15 4.8b,3.9s 130 5-165
NOU XI 12 17 03 01.9–1.1 17.33S 167.94E 30–0 3.5,3.2L ¶11434463
IDC XI 12 17 03 02.4–.56 17.37S 167.12E 0 4.6,4.6
ISCJB XI 12 17 03 05.5–.26 17.59S–.03 167.13E–.06 33 4.8b,3.9s
LDG XI 12 17 03 05.9–.11 17.46S 165.96E 10–0 4.9b,4.1s
MOS XI 12 17 03 06.2–1.1 17.36S 167.07E 33 5.1b,4.1s
BJI XI 12 17 03 07.3 17.40S 167.20E 49 5.0s,5.0b
NEIC XI 12 17 03 07.4–1.9 17.46S 167.13E 33–13 4.9b,5.0b
GCMT XI 12 17 03 08.7–.30 17.38S 167.11E 16–0 4.9W,5.0b
ISC Event type ke.
NOU Error ellipse: s-maj=14.0km s-min=49.9km az=-1.0.
IDC Error ellipse: s-maj=19.3km s-min=15.4km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.1km az=2.6.
LDG Event type ke. Error ellipse: s-maj=17.6km s-min=3.5km az=79.0.
MOS Error ellipse: s-maj=11.4km s-min=10.0km az=24.2.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.6km az=183.0.
GCMT Event type se. Data Used: II IC IU G. Moment Tensor Solution. s41,c52; s67,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.66±.15 $M_{\theta\theta}$-0.09±.10; $M_{\phi\phi}$2.75±.11; $M_{r\theta}$-0.90±.33; $M_{\theta\phi}$0.73±.07; $M_{\phi r}$-0.17±.29; Best double couple: NP1:ϕ_s177.00000°,δ44.00000°,λ-115.00000°. NP2:ϕ_s30.00000°,δ51.00000°,λ-68.00000°. Principal axes: T 2.9500,Plg4.0000° ,Azm105.0000°; N 0.0000,Plg17.0000°,Azm196.0000°; P -2.9400,Plg72.0000°,Azm2.0000° $M_0$3.00000×10^{16}
ISC XI 13 19 38 08.5–1.6 18.8S–.10 169.3E–.10 229–16 4.1b 36 4-147
ISCJB XI 13 19 38 08.1–1.6 18.8S–.10 169.3E–.10 240–16 4.1b ¶12073444
NEIC XI 13 19 38 09.6–1.8 18.80S 169.31E 245–17 4.1b
IDC XI 13 19 38 13.9–6.7 18.90S 169.28E 287–68 4.0,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=15.8km az=170.9.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=12.6km az=182.0.
IDC Error ellipse: s-maj=30.7km s-min=19.6km az=10.0.
ISC XI 14 13 27 40.9–.78 19.40S–.08 169.19E–.06 176–7 4.4b 90 3-166
NOU XI 14 13 27 36.3–1.3 19.19S 169.73E 10–0 3.2L,3.2 ¶11484382
IDC XI 14 13 27 40.3–2.1 19.33S 169.23E 170–18 4.2,4.2
ISCJB XI 14 13 27 40.1–.79 19.43S–.08 169.19E–.06 184–7 4.4b,4.2
MOS XI 14 13 27 41.1–.96 19.39S 169.19E 191 4.5b,4.2
NEIC XI 14 13 27 41.4–.92 19.35S 169.19E 183–9 4.5b,4.2
LDG XI 14 13 27 44.6–.23 19.42S 168.47E 200–0 4.3b,4.2
ISC Event type ke.
NOU Error ellipse: s-maj=42.8km s-min=44.8km az=-1.0.
IDC Error ellipse: s-maj=14.3km s-min=11.7km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=13.2km s-min=8.4km az=153.4.
MOS Error ellipse: s-maj=15.2km s-min=10.7km az=165.4.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.7km az=163.0.
LDG Event type ke. Error ellipse: s-maj=25.8km s-min=4.7km az=116.0.
ISC XI 14 14 14 43.1–1.6 19.6S–.50 169.5E–.20 243–30 3.6b 22 4-145
IDC XI 14 14 14 31.7–13 19.61S 169.78E 144–111 3.8,3.6b ¶12073529
ISCJB XI 14 14 14 42.3–1.6 19.6S–.50 169.4E–.20 248–30 3.6b,3.6b
NEIC XI 14 14 14 43.1–1.3 19.64S 169.47E 246–23 4.0b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=70.3km s-min=35.6km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=89.5km s-min=13.4km az=158.1.
NEIC Event type se. Error ellipse: s-maj=63.0km s-min=10.9km az=159.0.
ISC XI 15 07 13 56.5–2.4 19.5S–.20 168.9E–.30 35 3.9b 13 3-41
IDC XI 15 07 13 36.7–36 20.32S 170.76E 0 4.2,4.0b ¶11711791
NOU XI 15 07 13 55.9–.84 20.20S 169.71E 10–0 3.2L,2.9
IDC Error ellipse: s-maj=627.8km s-min=114.7km az=81.0.
NOU Error ellipse: s-maj=28.2km s-min=21.3km az=-1.0.
IDC XI 15 19 23 55.2–6.9 15.07S 166.43E 0 4.2,3.9b ¶12073655
IDC Error ellipse: s-maj=343.0km s-min=33.3km az=144.0.
ISC XI 15 21 58 28.0–.94 19.11S–.04 168.54E–.05 37–8 4.9b,4.2s 179 3-166
SZGRF XI 15 21 58 22.7 22.25S 165.70E 33 4.9b,4.2s ¶11453216
NOU XI 15 21 58 24.0–.58 18.94S 168.78E 30–0 3.7,3.6L
LDG XI 15 21 58 24.3–.18 18.72S 168.12E 10–0 5.1b,3.6L
ISCJB XI 15 21 58 26.0–.98 19.09S–.04 168.51E–.04 33–8 4.9b,4.2s
MOS XI 15 21 58 28.7–1.4 18.97S 168.47E 54 5.1b,4.2s
GCMT XI 15 21 58 29.0–.30 18.99S 168.51E 28–1 5.0W,4.2s
NEIC XI 15 21 58 30.2–1.0 19.09S 168.50E 58–9 5.0b,4.2s
BJI XI 15 21 58 31.8 18.66S 168.43E 70 5.0b,4.8s
IDC XI 15 21 58 31.9–3.9 19.07S 168.54E 75–35 4.7,4.6
DJA XI 15 21 58 56 19.42S 167.67E 262 4.9b,4.6
ISC Event type ke.
SZGRF New Caledonia.
NOU Error ellipse: s-maj=12.4km s-min=18.9km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=18.2km s-min=4.4km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.2km az=31.7.
MOS Error ellipse: s-maj=10.8km s-min=8.7km az=8.1.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s38,c52; s66,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.78±.16 $M_{\theta\theta}$3.40±.13; $M_{\phi\phi}$-2.62±.13; $M_{r\theta}$0.13±.24; $M_{\theta\phi}$2.19±.11; $M_{\phi r}$-2.84±.30; Best double couple: NP1:ϕ_s292.00000°,δ59.00000°,λ-17.00000°. NP2:ϕ_s31.00000°,δ75.00000°,λ-148.00000°. Principal axes: T 4.2500,Plg11.0000° ,Azm158.0000°; N 0.8400,Plg55.0000°,Azm53.0000°; P -5.1000,Plg33.0000°,Azm255.0000° $M_0$4.70000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=7.0km az=172.0.
IDC Error ellipse: s-maj=15.7km s-min=14.1km az=29.0.
ISC XI 15 22 04 49.0–5.9 19.3S–.10 169.3E–.20 17–36 3.8b,3.8s 12 4-145
IDC XI 15 22 04 45.8–1.3 19.22S 169.34E 0 4.1,3.9 ¶11711804
ISCJB XI 15 22 04 47.8–6.0 19.3S–.10 169.2E–.20 19–41 3.8b,3.8s
NOU XI 15 22 04 49.5–.95 19.83S 170.07E 30–0 2.9L,3.8s
IDC Error ellipse: s-maj=37.5km s-min=36.0km az=131.0.
ISCJB Error ellipse: s-maj=29.7km s-min=11.9km az=34.2.
NOU Error ellipse: s-maj=48.3km s-min=33.0km az=-1.0.
ISC XI 18 11 12 22.1–1.1 19.05S–.07 169.54E–.07 36–10 4.8b,4.1s 109 4-167
IDC XI 18 11 12 16.1–.72 19.02S 169.60E 0 4.6,4.6 ¶11457641
NOU XI 18 11 12 18.5–.54 18.82S 169.70E 30–0 3.9,2.7L
SZGRF XI 18 11 12 18.0 22.20S 165.80E 33 3.9,2.7L
ISCJB XI 18 11 12 20.2–1.2 19.11S–.07 169.60E–.06 38–10 4.8b,4.1s
MOS XI 18 11 12 20.6–1.1 19.06S 169.57E 43 5.1b,4.1s
BJI XI 18 11 12 21.7 19.00S 169.50E 28 5.4s,5.3b
NEIC XI 18 11 12 21.6–.37 19.03S 169.55E 35 5.0b,5.3b
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=17.2km az=110.0.
NOU Error ellipse: s-maj=17.1km s-min=19.9km az=-1.0.
SZGRF New Caledonia.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=8.3km az=139.5.
MOS Error ellipse: s-maj=14.3km s-min=10.9km az=175.3.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.9km az=163.0.
ISC XI 18 12 06 09.5–.00 18.4S–.20 168.6E–.20 35 4.2b,3.2s 13 19-95
IDC XI 18 12 05 58.9–5.2 18.80S 169.45E 0 4.2,4.1 ¶12074003
ISCJB XI 18 12 06 07.6–.00 18.5S–.20 168.6E–.20 33 4.2b,3.2s
NEIC XI 18 12 06 09.2–.86 18.40S 168.63E 35 4.6b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=130.7km s-min=46.2km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=27.0km s-min=22.7km az=162.4.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=20.2km az=163.0.
ISC XI 18 12 19 29.4–1.8 18.9S–.20 169.5E–.10 47–20 4.0b,3.2s 20 4-144
IDC XI 18 12 19 21.8–1.5 18.94S 169.62E 0 4.3,4.1 ¶12074004
ISCJB XI 18 12 19 27.2–2.1 18.9S–.20 169.5E–.10 48–22 4.0b,3.2s
NEIC XI 18 12 19 28.4–.64 18.97S 169.41E 35 4.3b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=29.0km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=31.7km s-min=12.1km az=148.8.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=12.4km az=170.0.
ISC XI 18 12 45 59.4–2.6 18.99S–.05 169.52E–.07 3–16 4.8b,4.3s 112 4-167
IDC XI 18 12 45 57.8–.66 18.96S 169.61E 0 4.5,4.4 ¶11457643
NOU XI 18 12 45 57.7–1.1 18.75S 169.93E 30–0 3.4,2.5L
ISCJB XI 18 12 45 59.2–1.9 19.04S–.05 169.58E–.07 14–12 4.8b,4.3s
BJI XI 18 12 46 01.3 19.20S 169.10E 10 5.3s,5.2b
MOS XI 18 12 46 01.6–1.1 19.04S 169.51E 36 5.1b,5.2b
GCMT XI 18 12 46 03.4–.30 18.93S 169.73E 12 4.9W,5.2b
NEIC XI 18 12 46 03.0–4.0 19.04S 169.47E 32–28 4.9b,5.2b
SZGRF XI 18 12 46 05.0 22.25S 165.70E 33 4.9b,5.2b
DJA XI 18 12 46 06 19.21S 169.43E 10 4.9b,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=16.6km az=96.0.
NOU Error ellipse: s-maj=37.6km s-min=42.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=5.8km az=33.9.
MOS Error ellipse: s-maj=16.9km s-min=12.1km az=174.2.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s27,c32; s70,c96; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.99±.09 $M_{\theta\theta}$1.81±.10; $M_{\phi\phi}$1.18±.09; $M_{r\theta}$-0.30±.27; $M_{\theta\phi}$-0.93±.07; $M_{\phi r}$-1.37±.32; Best double couple: NP1:ϕ_s111.00000°,δ41.00000° ,λ-117.00000°. NP2:ϕ_s325.00000°,δ54.00000°,λ-68.00000°. Principal axes: T 2.5500,Plg7.0000°,Azm40.0000°; N 0.9100,Plg17.0000°,Azm132.0000° ; P -3.4600,Plg71.0000°,Azm290.0000° $M_0$3.00000×10^{16}
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.8km az=171.0.
SZGRF New Caledonia.
ISC XI 18 13 00 39.3–5.7 19.1S–.10 169.70E–.09 18–37 4.0b,3.4s 22 4-167
IDC XI 18 13 00 36.0–1.4 18.97S 169.69E 0 4.3,4.1 ¶11711854
ISCJB XI 18 13 00 37.6–3.8 19.1S–.10 169.74E–.09 21–28 4.0b,3.4s
NEIC XI 18 13 00 41.0–.66 19.08S 169.73E 35 3.3b,3.4s
NOU XI 18 13 01 02.2–.73 20.09S 168.49E 30–0 2.6,1.6L
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=28.2km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=12.3km az=165.4.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=12.5km az=187.0.
NOU Error ellipse: s-maj=27.0km s-min=35.1km az=-1.0.
IDC XI 18 13 30 01.5–5.0 19.46S 170.17E 0 4.1,4.0 ¶12074013
IDC Error ellipse: s-maj=182.0km s-min=54.1km az=141.0.
ISC XI 18 14 03 15.5–.68 18.99S–.04 169.50E–.03 40–6 5.3b,5.2s 259 4-167
NOU XI 18 14 03 09.4–.80 18.55S 169.59E 30–0 3.5,3.4L ¶11457645
SZGRF XI 18 14 03 11.5 19.87S 170.71E 29 5.3b,3.4L
LDG XI 18 14 03 12.2–.16 18.58S 169.16E 10–0 5.5b,5.0s
MOS XI 18 14 03 13.3–1.2 18.87S 169.46E 33 5.5b,5.2s
ISCJB XI 18 14 03 13.2–.79 18.99S–.04 169.49E–.03 35–7 5.3b,5.2s
BJI XI 18 14 03 14.9 18.76S 169.98E 56 5.6b,5.3s
NEIC XI 18 14 03 15.2–.21 18.90S 169.48E 35 5.5b,5.3s
GCMT XI 18 14 03 16.7–.10 18.90S 169.66E 12 5.5W,5.3s
BGS XI 18 14 03 16.3–3.7 18.90S 169.48E 35–0 5.5b,5.3s
IDC XI 18 14 03 16.6–2.9 18.96S 169.48E 48–26 5.0,4.9s
DJA XI 18 14 03 27 19.17S 169.18E 144 5.1b,4.9s
ISC Event type ke.
NOU Error ellipse: s-maj=21.0km s-min=27.9km az=-1.0.
SZGRF Vanuatu Islands.
LDG Event type ke. Error ellipse: s-maj=16.7km s-min=3.5km az=118.0.
MOS Error ellipse: s-maj=10.0km s-min=8.1km az=16.5.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=156.5.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.8km az=160.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=114, comp=215, per= 50. Moment Tensor Solution. s87,c154; s44,c48; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.40±.03 $M_{\theta\theta}$1.64±.03; $M_{\phi\phi}$0.76±.03; $M_{r\theta}$0.24±.08; $M_{\theta\phi}$-1.34±.03; $M_{\phi r}$-0.40±.09; Best double couple: NP1:ϕ_s121.00000°,δ40.00000°,λ-97.00000°. NP2:ϕ_s311.00000°,δ50.00000°,λ-84.00000°. Principal axes: T 2.6500,Plg5.0000°,Azm36.0000°; N -0.1900,Plg5.0000°,Azm127.0000° ; P -2.4500,Plg83.0000°,Azm260.0000° $M_0$2.60000×10^{17}
BGS Error ellipse: s-maj=465.3km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=14.7km s-min=13.8km az=153.0.
ISC XI 18 14 26 38.0–2.9 19.2S–.30 169.8E–.50 35 3.9b 10 4-87
NOU XI 18 14 26 31.8–1.3 18.78S 169.99E 30–0 3.9L,3.1 ¶11711857
IDC XI 18 14 26 39.3–5.3 18.30S 168.71E 0 4.1,4.0b
NOU Error ellipse: s-maj=50.6km s-min=59.9km az=-1.0.
IDC Error ellipse: s-maj=139.8km s-min=39.6km az=122.0.
ISC XI 18 14 38 44.4–2.2 19.03S–.04 169.65E–.04 13–13 5.1b,4.7s 180 4-167
NOU XI 18 14 38 41.7–.76 18.53S 169.62E 30–0 3.7,3.6L ¶11457647
IDC XI 18 14 38 42.6–.54 18.97S 169.66E 0 4.7,4.7s
ISCJB XI 18 14 38 44.8–1.7 19.06S–.04 169.65E–.04 29–12 5.1b,4.7s
SZGRF XI 18 14 38 44.2 22.65S 164.96E 33 5.1b,4.7s
BJI XI 18 14 38 45.2 19.22S 170.42E 54 5.4b,5.2s
LDG XI 18 14 38 45.8–.30 18.61S 169.26E 10–0 5.1b,5.2s
MOS XI 18 14 38 46.6–1.4 18.93S 169.52E 33 5.4b,4.7s
GCMT XI 18 14 38 47.5–.10 18.96S 169.69E 12 5.3W,4.7s
NEIC XI 18 14 38 47.9–.29 18.92S 169.64E 35 5.4b,4.7s
DJA XI 18 14 39 02 19.02S 168.79E 116 5.0b,4.7s
ISC Event type ke.
NOU Error ellipse: s-maj=20.7km s-min=28.1km az=-1.0.
IDC Error ellipse: s-maj=17.1km s-min=15.2km az=100.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=135.6.
SZGRF New Caledonia.
LDG Event type ke. Error ellipse: s-maj=31.0km s-min=5.3km az=118.0.
MOS Error ellipse: s-maj=10.9km s-min=8.9km az=22.9.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s51,c69; s97,c168; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s125.00000°,δ39.00000°,λ-99.00000°. NP2:ϕ_s317.00000° ,δ51.00000°,λ-83.00000°. Principal axes: T 1.0700,Plg6.0000°,Azm42.0000° ; N -0.0800,Plg5.0000°,Azm132.0000°; P -0.9900,Plg82.0000°,Azm265.0000° $M_0$1.00000×10^{17}
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.4km az=160.0.
ISC XI 18 15 47 00.9–2.2 17.40S–.04 167.27E–.07 24–15 4.4b,3.6s 47 5-165
ISCJB XI 18 15 46 57.7–2.2 17.40S–.04 167.26E–.07 15–15 4.4b,3.6s ¶12074017
IDC XI 18 15 46 57.2–.81 17.29S 167.30E 0 4.7L,4.5
LDG XI 18 15 46 58.2–.33 17.46S 168.55E 10–0 4.7L,4.5
NOU XI 18 15 47 00.1–.43 17.25S 167.74E 30–0 3.2,3.0L
NEIC XI 18 15 47 02.8–.39 17.26S 167.26E 35 4.8b,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=7.0km az=176.0.
IDC Error ellipse: s-maj=26.6km s-min=17.9km az=134.0.
LDG Event type ke. Error ellipse: s-maj=54.6km s-min=2.6km az=107.0.
NOU Error ellipse: s-maj=5.2km s-min=18.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.8km az=172.0.
ISC XI 18 17 05 12.9–1.1 18.9S–.10 169.4E–.20 35 4.0b 14 4-90

IDC XI 18 17 05 06.5–3.7 18.99S 169.59E 0 4.2,3.9b ¶12074023
ISCJB XI 18 17 05 10.7–1.1 18.9S–.10 169.4E–.20 33 4.0b,3.9b
NEIC XI 18 17 05 12.8–.97 18.88S 169.40E 35 4.6b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=112.5km s-min=31.8km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=32.0km s-min=17.2km az=24.2.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=15.2km az=114.0.
IDC XI 18 18 54 25.2–3.8 15.32S 167.79E 0 4.2,4.0b
¶12074036
IDC Error ellipse: s-maj=122.3km s-min=37.1km az=136.0.
ISC XI 18 22 20 47.1–.82 19.0S–.10 169.5E–.10 35 4.0b,3.4s 19 4-83
IDC XI 18 22 20 42.9–3.5 18.64S 169.30E 0 4.4,4.2 ¶12074059
ISCJB XI 18 22 20 44.6–.81 19.0S–.10 169.5E–.10 33 4.0b,3.4s
NEIC XI 18 22 20 47.3–.75 19.09S 169.46E 35 3.9b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=89.4km s-min=54.7km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=8.0km az=135.1.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=11.8km az=164.0.
ISC XI 19 00 51 50.8–1.2 20.1S–.10 169.27E–.09 57–12 4.0b 29 3-152
IDC XI 19 00 51 43.2–1.5 20.01S 169.35E 0 4.3s,4.3 ¶11492001
LDG XI 19 00 51 47.8–.84 19.12S 168.39E 10–0 4.3s,4.3
ISCJB XI 19 00 51 48.9–1.4 20.1S–.10 169.28E–.09 55–13 4.0b,4.3
NEIC XI 19 00 51 50.2–1.3 19.89S 169.23E 46–13 3.6b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=65.3km s-min=20.8km az=147.0.
LDG Event type ke. Error ellipse: s-maj=125.2km s-min=4.8km az=114.0.
ISCJB Event type ke. Error ellipse: s-maj=23.2km s-min=9.6km az=149.9.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=8.8km az=155.0.
ISC XI 19 01 31 32.3–2.2 20.1S–.20 169.3E–.20 67–18 3.7b 21 3-152
IDC XI 19 01 31 25.1–2.2 19.53S 169.06E 0 4.1,3.9 ¶11492002
LDG XI 19 01 31 29.1–.72 19.12S 168.34E 10–0 4.1,3.9
NOU XI 19 01 31 29.4–1.0 19.27S 168.70E 30–0 3.9L,3.1
ISCJB XI 19 01 31 31.5–2.1 20.0S–.20 169.2E–.20 70–17 3.7b,3.1
NEIC XI 19 01 31 32.4–3.2 20.09S 169.21E 65–28 4.0b,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=114.4km s-min=26.9km az=155.0.
LDG Event type ke. Error ellipse: s-maj=107.9km s-min=4.0km az=114.0.
NOU Error ellipse: s-maj=20.9km s-min=28.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=30.9km s-min=18.8km az=136.8.
NEIC Event type se. Error ellipse: s-maj=38.5km s-min=27.5km az=158.0.
ISC XI 19 02 54 47.1–.75 19.01S–.09 169.4E–.10 35 3.9b,3.6s 20 4-89
NOU XI 19 02 54 40.3–1.2 18.97S 170.01E 30–0 2.6L,3.6s ¶12074091
IDC XI 19 02 54 44.0–5.3 18.70S 169.01E 0 4.0,3.8
ISCJB XI 19 02 54 44.9–.76 19.05S–.09 169.4E–.10 33 3.9b,3.6s
NEIC XI 19 02 54 47.2–.68 18.99S 169.34E 35 4.1b,3.6s
ISC Event type se.
NOU Error ellipse: s-maj=44.1km s-min=46.7km az=-1.0.
IDC Error ellipse: s-maj=140.1km s-min=44.4km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=8.2km az=43.1.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=11.6km az=165.0.
IDC XI 19 02 57 11.3–8.8 16.89S 167.19E 0 4.1,3.9b
¶12074092
IDC Error ellipse: s-maj=242.9km s-min=46.4km az=131.0.
IDC XI 19 03 08 13.9–40 18.40S 169.71E 0 4.5,4.3
¶12074095
IDC Error ellipse: s-maj=694.8km s-min=116.9km az=77.0.
ISC XI 19 03 10 37.2–2.1 19.11S–.05 169.74E–.06 7–12 4.8b,4.2s 118 4-167
NOU XI 19 03 10 34.8–1.1 18.45S 169.63E 30–0 3.8L,3.3 ¶11458355
IDC XI 19 03 10 36.3–.64 19.10S 169.72E 0 4.7,4.6
ISCJB XI 19 03 10 37.1–1.8 19.14S–.05 169.76E–.05 15–11 4.8b,4.2s
NEIC XI 19 03 10 39.2–7.0 19.15S 169.68E 19–42 4.9b,4.2s
MOS XI 19 03 10 39.4–1.1 19.15S 169.60E 31 5.1b,4.2s
LDG XI 19 03 10 40.2–.36 18.52S 168.62E 10–0 4.9b,4.5s
GCMT XI 19 03 10 42.0–.20 18.92S 169.65E 12 5.1W,4.5s
BJI XI 19 03 10 46.9 18.90S 169.90E 100 5.3b,4.6b
ISC Event type ke.
NOU Error ellipse: s-maj=31.8km s-min=42.7km az=-1.0.
IDC Error ellipse: s-maj=19.2km s-min=17.1km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.6km az=40.3.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.6km az=57.0.
MOS Error ellipse: s-maj=13.6km s-min=11.5km az=176.8.
LDG Event type ke. Error ellipse: s-maj=37.2km s-min=16.4km az=175.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s45,c56; s88,c137; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.51±.11 $M_{\theta\theta}$2.29±.12; $M_{\phi\phi}$3.22±.11; $M_{r\theta}$1.36±.33; $M_{\theta\phi}$-2.52±.09; $M_{\phi r}$-0.07±.37; Best double couple: NP1:ϕ_s149.00000°,δ41.00000°,λ-76.00000°. NP2:ϕ_s311.00000°,δ51.00000°,λ-102.00000°. Principal axes: T 5.4000,Plg5.0000° ,Azm49.0000°; N 0.3600,Plg9.0000°,Azm318.0000°; P -5.7600,Plg79.0000°,Azm167.0000° $M_0$5.60000×10^{16}
ISC XI 19 03 15 25.6–1.7 19.0S–.20 169.4E–.30 35 4.4s,4.0b 17 4-90
IDC XI 19 03 15 20.1–3.1 18.92S 169.48E 0 4.4s,4.4 ¶12074096
ISCJB XI 19 03 15 23.6–1.7 19.1S–.20 169.5E–.30 33 4.4s,4.0b
NEIC XI 19 03 15 25.5–1.5 19.00S 169.43E 35 4.2b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=105.9km s-min=29.2km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=40.7km s-min=17.9km az=32.6.
NEIC Event type se. Error ellipse: s-maj=38.9km s-min=17.0km az=123.0.
ISC XI 19 09 04 16.3–3.2 19.0S–.30 169.6E–.50 35 3.7b 9 4-34
IDC XI 19 09 02 56.8–4.0 15.30S 178.13E 0 3.9,3.7b ¶12074127
NOU XI 19 09 04 10.8–1.1 18.38S 169.49E 30–0 3.1L,3.1
IDC Error ellipse: s-maj=174.9km s-min=36.8km az=138.0.
NOU Error ellipse: s-maj=32.7km s-min=51.2km az=-1.0.
IDC XI 19 11 39 07.5–2.2 14.13S 167.70E 0 3.9,3.7b
¶12074137
IDC Error ellipse: s-maj=91.9km s-min=27.1km az=134.0.
ISC XI 20 00 47 55.5–1.9 20.1S–.10 169.6E–.10 126–14 4.1b 35 3-149
ISCJB XI 20 00 47 54.8–1.9 20.2S–.10 169.6E–.10 137–14 4.1b ¶12074216
IDC XI 20 00 47 54.5–13 19.94S 169.52E 116–113 4.0,3.8
NEIC XI 20 00 47 55.5–1.9 19.98S 169.56E 128–16 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=19.4km az=159.5.
IDC Error ellipse: s-maj=71.7km s-min=44.5km az=143.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=15.0km az=158.0.
ISC XI 20 07 16 32.6–2.8 17.4S–.10 167.9E–.20 80–22 3.5b 12 5-92
IDC XI 20 07 16 22.2–5.7 17.18S 167.97E 0 4.1,3.9b ¶11711884
NOU XI 20 07 16 29.2–.64 16.98S 167.56E 30–0 3.0,2.9L
ISCJB XI 20 07 16 31.7–2.9 17.4S–.10 167.8E–.20 81–23 3.5b,2.9L
ISC XI 21 01 40 15.2–1.4 17.81S–.08 167.5E–.20 41 3.9b,3.4s 17 4-146
ISCJB XI 21 01 40 13.5–1.4 17.84S–.08 167.5E–.20 39 3.9b,3.4s ¶12074354
IDC XI 21 01 40 15.6–2.4 17.47S 167.34E 38–9 4.0,3.9
NEIC XI 21 01 40 16.8–1.1 17.28S 167.20E 39 3.9b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=10.9km az=177.7.
IDC Error ellipse: s-maj=73.4km s-min=31.8km az=141.0.
NEIC Event type se. Error ellipse: s-maj=36.1km s-min=19.1km az=155.0.
ISC XI 21 09 32 39.1–1.9 20.7S–.10 169.7E–.10 115–14 4.1b 31 3-152
NOU XI 21 09 32 37.3–.66 19.87S 169.43E 30–0 2.9,2.8L ¶11711899
ISCJB XI 21 09 32 38.3–2.0 20.8S–.10 169.8E–.10 128–15 4.0b,2.8L
NEIC XI 21 09 32 38.8–2.0 20.65S 169.78E 114–15 4.2b,2.8L
IDC XI 21 09 32 40.1–1.5 20.66S 169.73E 124–10 4.0,3.8
ISC Event type se.
NOU Error ellipse: s-maj=21.0km s-min=19.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=19.9km az=144.9.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=13.8km az=66.0.
IDC Error ellipse: s-maj=26.1km s-min=22.6km az=130.0.
ISC XI 21 13 55 42.2–.31 14.79S–.03 167.19E–.05 111 4.8b 125 7-166
BJI XI 21 13 55 40.7 14.80S 167.10E 130 5.1b,4.8b ¶13400789
ISCJB XI 21 13 55 40.4–.32 14.79S–.03 167.17E–.06 109 4.8b,4.8b
NEIC XI 21 13 55 41.6–.30 14.72S 167.22E 108 4.9b,4.8b
IDC XI 21 13 55 41.3–.51 14.75S 167.26E 106–3 4.5,4.4
NOU XI 21 13 55 42.3–1.0 14.64S 166.53E 30–0 3.9L,3.8
GCMT XI 21 13 55 43.7–.20 14.87S 167.02E 111–2 5.1W,3.8
DJA XI 21 13 55 44 14.80S 167.28E 131 4.7b,3.8
LDG XI 21 13 55 45.9–.19 14.87S 166.37E 130–0 4.7b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.1km az=165.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.9km az=64.0.
IDC Error ellipse: s-maj=13.1km s-min=10.7km az=105.0.
NOU Error ellipse: s-maj=7.4km s-min=66.8km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s51,c71; s90,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}1.59±.15 $M_{\theta\theta}$-0.20±.16; $M_{\phi\phi}$-1.39±.14; $M_{r\theta}$-4.40±.11; $M_{\theta\phi}$4.04±.15; $M_{\phi r}$0.14±.10; Best double couple: NP1:ϕ_s179.00000°,δ42.00000°,λ165.00000°. NP2:ϕ_s280.00000°,δ80.00000°,λ49.00000°. Principal axes: T 6.1100,Plg40.0000° ,Azm152.0000°; N 0.0900,Plg40.0000°,Azm289.0000°; P -6.2100,Plg24.0000°,Azm41.0000° $M_0$6.20000×10^{16}
LDG Event type ke. Error ellipse: s-maj=25.9km s-min=8.8km az=83.0.
ISC XI 21 16 45 48.3–2.5 18.9S–.50 169.2E–.40 232–34 3.7b 18 4-90
IDC XI 21 16 45 22.6–2.9 18.22S 169.36E 0 4.3,4.1b ¶12074411
ISCJB XI 21 16 45 48.4–2.3 19.0S–.50 169.2E–.40 248–33 3.7b,4.1b
NEIC XI 21 16 45 48.1–2.2 18.84S 169.23E 230–29 3.7b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=100.2km s-min=28.6km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=98.1km s-min=29.7km az=147.8.
NEIC Event type se. Error ellipse: s-maj=70.0km s-min=21.9km az=149.0.
IDC XI 23 04 16 06.6–2.8 13.67S 166.79E 0 4.0,3.8
¶12074559
IDC Error ellipse: s-maj=118.3km s-min=45.8km az=139.0.
ISC XI 25 06 03 12.8–1.0 19.30S–.08 169.77E–.06 49–9 4.8b,4.5s 80 4-167
IDC XI 25 06 03 06.0–.88 19.25S 169.59E 0 4.6,4.5 ¶11474938
NOU XI 25 06 03 06.0–.79 18.08S 168.90E 30–0 3.6,2.1s
ISCJB XI 25 06 03 10.4–1.2 19.27S–.07 169.77E–.06 41–10 4.8b,4.5s
GCMT XI 25 06 03 11.6–.20 18.98S 169.62E 100–3 5.3W,4.5s
NEIC XI 25 06 03 15.0–1.9 19.43S 169.82E 76–18 4.9b,4.5s
BJI XI 25 06 03 15.3 19.60S 170.00E 93 5.0b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=20.3km az=140.0.
NOU Error ellipse: s-maj=32.5km s-min=54.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=7.8km az=147.0.
GCMT Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s11,c11; s69,c98; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s226.00000°,δ43.00000°,λ92.00000°. NP2:ϕ_s44.00000° ,δ47.00000°,λ88.00000°. Principal axes: T 0.9900,Plg88.0000°,Azm283.0000° ; N 0.0600,Plg1.0000°,Azm45.0000°; P -1.0500,Plg2.0000°,Azm135.0000° $M_0$1.00000×10^{17}
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=10.3km az=158.0.
IDC XI 25 08 15 03.7–39 14.63S 167.21E 0 4.2,4.0b
¶12074770
IDC Error ellipse: s-maj=664.9km s-min=98.2km az=69.0.
ISC XI 25 20 34 41.5–6.1 17.58S–.07 167.5E–.20 15–37 4.2b,3.3s 24 5-89
IDC XI 25 20 34 38.8–2.2 17.55S 167.47E 0 5.3L,4.3 ¶12074819
ISCJB XI 25 20 34 42.6–.94 17.62S–.05 167.4E–.10 33 4.2b,3.3s
NEIC XI 25 20 34 43.3–1.1 17.49S 167.32E 30 4.1b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=56.6km s-min=31.6km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=7.9km az=179.1.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=15.8km az=105.0.
ISC XI 25 22 30 32.9–4.3 18.9S–.30 169.4E–.60 35 3.8b,3.7s 6 4-101
IDC XI 25 22 29 14.1–56 15.70S 177.94E 0 4.0,3.8 ¶12074831
IDC Error ellipse: s-maj=999.6km s-min=145.3km az=74.0.
ISC XI 26 04 02 08.6–.13 20.57S–.04 169.33E–.03 51 5.3b,4.5s 361 3-166
SZGRF XI 26 04 01 59.0 23.00S 168.75E 46 4.6b,4.5s ¶11478059
LDG XI 26 04 02 04.3–.36 19.79S 168.88E 10–0 5.6b,4.6s
ISCJB XI 26 04 02 06.9–.13 20.51S–.04 169.27E–.03 49 5.3b,4.5s
NOU XI 26 04 02 07.2–1.1 19.93S 168.93E 30–0 4.6s,4.1L
IDC XI 26 04 02 08.4–.46 20.46S 169.36E 51–3 4.9,4.9
BJI XI 26 04 02 08.7 19.72S 169.37E 43 5.2s,5.1b
NEIC XI 26 04 02 08.3–.19 20.45S 169.29E 49 5.3b,5.1b
MOS XI 26 04 02 10.8–1.3 20.48S 169.21E 82 5.2b,5.1b
GCMT XI 26 04 02 11.9–.20 20.58S 169.30E 44–1 5.2W,5.1b
DJA XI 26 04 02 13 20.65S 169.27E 84 5.5W,5.1b
ISC Event type ke.
SZGRF New Caledonia.
LDG Event type ke. Error ellipse: s-maj=30.7km s-min=6.2km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.6km az=151.6.
NOU Error ellipse: s-maj=24.4km s-min=26.0km az=-1.0.
IDC Error ellipse: s-maj=13.8km s-min=11.9km az=140.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.4km az=142.0.
MOS Error ellipse: s-maj=10.9km s-min=9.2km az=156.3.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s60,c87; s81,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}3.27±.20 $M_{\theta\theta}$1.86±.18; $M_{\phi\phi}$-5.13±.19; $M_{r\theta}$-2.64±.19; $M_{\theta\phi}$-1.18±.14; $M_{\phi r}$6.06±.25; Best double couple: NP1:ϕ_s221.00000°,δ26.00000°,λ148.00000°. NP2:ϕ_s341.00000°,δ76.00000°,λ67.00000°. Principal axes: T 7.8400,Plg53.0000° ,Azm224.0000°; N 0.4700,Plg22.0000°,Azm346.0000°; P -8.3100,Plg28.0000°,Azm89.0000° $M_0$8.10000×10^{16}
IDC XI 26 09 39 56.3–59 14.79S 166.55E 0 4.1,3.9b
¶12074883
IDC Error ellipse: s-maj=997.6km s-min=113.9km az=66.0.
ISC XI 26 20 49 30.9–.54 17.69S–.05 167.37E–.09 35 4.5b,3.5s 53 4-165
IDC XI 26 20 49 25.5–1.2 17.62S 167.42E 0 5.1L,4.5 ¶11500246
LDG XI 26 20 49 28.5–.33 17.46S 166.73E 10–0 4.3b,4.5
ISCJB XI 26 20 49 29.3–.57 17.73S–.04 167.32E–.10 33 4.5b,3.5s
NEIC XI 26 20 49 29.6–.53 17.66S 167.46E 30 4.6b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=18.3km az=142.0.
LDG Event type ke. Error ellipse: s-maj=60.6km s-min=9.5km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=5.8km az=0.9.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.8km az=169.0.
IDC XI 26 21 45 09.4–6.4 16.78S 167.66E 0 4.1,4.0b
¶12074957
IDC Error ellipse: s-maj=154.0km s-min=39.0km az=22.0.
ISC XI 26 21 46 37.4–1.1 17.66S–.06 167.33E–.06 37–11 4.7b,3.8s 59 4-165
IDC XI 26 21 46 31.6–.74 17.54S 167.38E 0 4.5,4.4 ¶11478399
ISCJB XI 26 21 46 33.0–2.8 17.60S–.06 167.33E–.06 18–20 4.7b,3.8s
LDG XI 26 21 46 35.0–.22 17.61S 165.82E 10–0 4.9b,4.0s
NEIC XI 26 21 46 37.4–1.1 17.68S 167.34E 38–10 4.6b,4.0s
BJI XI 26 21 46 38.3 17.60S 167.30E 60 5.0b,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=18.8km az=114.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=9.7km az=6.8.
LDG Event type ke. Error ellipse: s-maj=58.2km s-min=4.7km az=79.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.4km az=182.0.
IDC XI 27 07 20 34.9–53 15.47S 167.99E 0 4.5,4.3b
¶12075010
IDC Error ellipse: s-maj=905.8km s-min=106.5km az=67.0.
IDC XI 27 09 16 21.8–5.5 13.12S 167.60E 0 3.8,3.5
¶12075018
IDC Error ellipse: s-maj=269.4km s-min=33.2km az=141.0.
ISC XI 27 17 31 26.2–1.3 17.84S–.03 167.64E–.02 1–8 5.5b,5.2s 474 4-167
NOU XI 27 17 31 26.5–.80 17.63S 167.67E 30–0 4.1,3.1L ¶12923204
ISCJB XI 27 17 31 26.2–.12 17.85S–.03 167.57E–.02 10 5.4b,5.2s
IDC XI 27 17 31 26.1–.49 17.80S 167.61E 0 5.2,5.2L
NEIC XI 27 17 31 27.5–.17 17.80S 167.59E 10 5.5b,5.3s
DJA XI 27 17 31 28 17.91S 167.80E 10 5.7W,5.3s
LDG XI 27 17 31 29.1–.17 17.71S 166.73E 10–0 5.5b,5.1s
MOS XI 27 17 31 30.2–1.3 17.75S 167.53E 33 5.5b,5.1s
GCMT XI 27 17 31 32.0–.10 17.99S 167.48E 13–0 5.5W,5.1s
BJI XI 27 17 31 33.8 17.15S 167.58E 48 5.8b,5.5s
ISC Event type ke.
NOU Error ellipse: s-maj=19.3km s-min=54.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=164.0.
IDC Error ellipse: s-maj=15.2km s-min=14.0km az=131.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.8km az=143.0.
LDG Event type ke. Error ellipse: s-maj=24.0km s-min=5.5km az=87.0.
MOS Error ellipse: s-maj=8.5km s-min=7.5km az=43.3.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=183, per= 50. Moment Tensor Solution. s89,c155; s17,c19; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.07±.03 $M_{\theta\theta}$1.34±.03; $M_{\phi\phi}$-0.27±.03; $M_{r\theta}$-1.80±.12; $M_{\theta\phi}$-0.90±.02; $M_{\phi r}$-0.28±.07; Best double couple: NP1:ϕ_s326.00000°,δ29.00000°,λ-34.00000°. NP2:ϕ_s86.00000°,δ74.00000°,λ-115.00000°. Principal axes: T 2.4700,Plg25.0000°,Azm196.0000°; N -0.2000,Plg24.0000°,Azm93.0000° ; P -2.2700,Plg54.0000°,Azm326.0000° $M_0$2.40000×10^{17}

ISC	**XI**	**27 17 37 45.1–2.9**	**17.82S–.07**	**167.61E–.07**	**4–18**	**4.6b**	**53**	**10-166**	
ISCJB	XI	27 17 37 44.2–.43	17.77S–.07	167.63E–.07	10	4.6b			¶12075051
IDC	XI	27 17 37 44.3–.86	17.84S	167.63E	0	4.7L,4.6			
NEIC	XI	27 17 37 45.8–.39	17.84S	167.62E	10	5.1b,4.6			
LDG	XI	27 17 37 46.4–.15	17.75S	167.72E	10–0	4.9b,4.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=10.1km s-min=8.7km az=142.4.								
IDC	Error ellipse: s-maj=24.4km s-min=18.0km az=124.0.								
NEIC	Event type se. Error ellipse: s-maj=10.2km s-min=8.6km az=162.0.								
LDG	Event type ke. Error ellipse: s-maj=24.0km s-min=4.0km az=100.0.								
IDC	**XI**	**29 07 21 10.8–4.2**	**19.58S**	**168.32E**	**0**	**4.2,4.0b**			
									¶12075235
IDC	Error ellipse: s-maj=111.5km s-min=67.6km az=148.0.								
ISC	**XI**	**30 13 12 06.4–3.5**	**13.2S–.20**	**166.8E–.10**	**160–36**	**3.8b**	**27**	**9-96**	
IDC	XI	30 13 11 47.3–1.0	12.96S	166.90E	0	4.2,4.1b			¶12075335
ISCJB	XI	30 13 12 05.6–3.7	13.2S–.20	166.7E–.10	168–38	3.8b,4.1b			
NEIC	XI	30 13 12 06.2–2.9	13.14S	166.75E	159–29	3.7b,4.1b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=31.3km s-min=20.6km az=107.0.								
ISCJB	Event type se. Error ellipse: s-maj=30.2km s-min=20.5km az=147.1.								
NEIC	Event type se. Error ellipse: s-maj=20.9km s-min=15.2km az=148.0.								
IDC	**XII**	**01 06 51 34.0–7.8**	**15.34S**	**167.53E**	**0**	**3.8,3.6**			
									¶12075392
IDC	Error ellipse: s-maj=382.2km s-min=36.6km az=144.0.								
ISC	**XII**	**01 17 02 30.0–4.6**	**18.12S–.09**	**167.4E–.30**	**3–33**	**3.8b,3.6s**	**21**	**4-85**	
IDC	XII	01 17 02 23.4–4.4	17.77S	168.07E	0	4.1,4.0			¶12075435
NOU	XII	01 17 02 27.6–.76	17.84S	167.11E	30–802	3.1,4.0			
NEIC	XII	01 17 02 30.8–1.5	17.57S	167.73E	35	3.8b,4.0			
ISC	Event type se.								
IDC	Error ellipse: s-maj=106.0km s-min=45.3km az=125.0.								
NOU	Error ellipse: s-maj=999.9km s-min=186.6km az=-1.0.								
NEIC	Event type se. Error ellipse: s-maj=30.4km s-min=25.7km az=25.0.								
ISC	**XII**	**02 02 07 25.0–1.6**	**17.55S–.10**	**168.9E–.30**	**200**	**3.5b**	**7**	**5-89**	
IDC	XII	02 02 07 01.1–3.2	17.52S	169.26E	0	4.0,3.8			¶12075467
ISCJB	XII	02 02 07 23.9–1.6	17.4S–.10	168.7E–.30	200	3.5b,3.8			
IDC	**XII**	**02 06 28 37.4–18**	**17.35S**	**168.21E**	**290–172**	**3.5,3.3**			
									¶12075481
IDC	Error ellipse: s-maj=136.4km s-min=56.8km az=148.0.								
ISC	**XII**	**02 17 05 53.6–.15**	**20.37S–.04**	**169.63E–.03**	**125**	**4.9b**	**279**	**3-166**	
SZGRF	XII	02 17 05 47.9	23.13S	168.18E	124	4.9b			¶11486897
NOU	XII	02 17 05 48.3–.77	19.38S	169.22E	10–0	4.5L			
LDG	XII	02 17 05 51.4–.19	20.01S	169.60E	110–0	5.0b,4.1s			
ISCJB	XII	02 17 05 52.1–.15	20.34S–.04	169.60E–.03	123	4.9b,4.1s			
NEIC	XII	02 17 05 53.4–.20	20.36S	169.63E	125	5.0b,4.1s			
IDC	XII	02 17 05 53.5–.48	20.36S	169.61E	126–3	4.6,4.6			
GCMT	XII	02 17 05 55.9–.30	20.40S	169.69E	141–2	5.1W,4.6			
MOS	XII	02 17 05 56.8–3.2	20.18S	169.48E	146	5.1b,4.6			
VIE	XII	02 17 05 56.9	20.30S	169.70E	163	5.0b,4.6			
BJI	XII	02 17 05 59.9	19.43S	169.51E	163	4.9b,4.9b			
DJA	XII	02 17 06 02	20.51S	169.51E	200	4.7b,4.9b			
ISC	Event type ke.								
SZGRF	New Caledonia.								
NOU	Error ellipse: s-maj=39.4km s-min=37.5km az=-1.0.								
LDG	Event type ke. Error ellipse: s-maj=17.2km s-min=4.1km az=135.0.								
ISCJB	Event type ke. Error ellipse: s-maj=6.4km s-min=3.4km az=154.0.								
NEIC	Event type se. Error ellipse: s-maj=6.5km s-min=5.7km az=160.0.								
IDC	Error ellipse: s-maj=11.4km s-min=9.3km az=158.0.								

GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s34,c40; s78,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.43±.15 $M_{\theta\theta}$-0.90±.21; $M_{\phi\phi}$4.32±.21; $M_{r\theta}$0.19±.13; $M_{\theta\phi}$-1.31±.21; $M_{\phi r}$2.66±.14; Best double couple: NP1:ϕ_s330.00000°,δ31.00000°,λ-115.00000°. NP2:ϕ_s179.00000°,δ62.00000°,λ-76.00000°. Principal axes: T 5.3700,Plg16.0000° ,Azm259.0000°; N -1.0300,Plg13.0000°,Azm352.0000°; P -4.3500,Plg69.0000° ,Azm119.0000° $M_0$4.90000×10^{16}

MOS	Error ellipse: s-maj=9.5km s-min=8.3km az=29.0.								
VIE	319 km SSE of Port Vila .								
ISC	**XII**	**03 12 43 00.4–4.1**	**15.1S–.20**	**166.5E–.20**	**49–40**	**3.9b,3.3s**	**16**	**7-87**	
IDC	XII	03 12 42 54.4–2.6	14.64S	166.35E	0	4.1,3.9b			¶12075610
NEIC	XII	03 12 42 58.7–1.0	14.94S	166.54E	35	4.4b,3.9b			
ISCJB	XII	03 12 43 01.0–5.1	15.3S–.20	166.6E–.20	74–50	3.8b,3.9b			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**XII**	**03 17 16 51.2–2.3**	**18.53S–.08**	**167.9E–.30**	**35**	**3.6b**	**11**	**4-32**	
IDC	XII	03 17 15 22.9–53	17.10S	178.19E	0	3.9,3.7b			¶12075619
NOU	XII	03 17 16 50.2–.61	18.90S	168.95E	30–0	2.8L,2.8			
IDC	Error ellipse: s-maj=954.0km s-min=152.1km az=76.0.								
NOU	Error ellipse: s-maj=23.5km s-min=30.9km az=-1.0.								
ISC	**XII**	**05 02 01 33.0–1.9**	**19.3S–.10**	**169.1E–.10**	**143–16**	**4.5b**	**36**	**4-144**	
ISCJB	XII	05 02 01 32.5–2.0	19.3S–.10	169.1E–.10	152–16	4.5b			¶12075819
IDC	XII	05 02 01 32.8–3.5	19.13S	169.10E	146–31	4.2,4.0b			
NEIC	XII	05 02 01 33.4–2.6	19.25S	169.17E	153–23	4.6b,4.0b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=22.7km s-min=18.7km az=179.6.								
IDC	Error ellipse: s-maj=30.5km s-min=19.6km az=164.0.								
NEIC	Event type se. Error ellipse: s-maj=25.8km s-min=16.3km az=193.0.								
ISC	**XII**	**05 04 54 44.8–1.5**	**18.6S–.10**	**169.1E–.10**	**212–13**	**4.2b**	**33**	**4-167**	
ISCJB	XII	05 04 54 44.5–1.5	18.6S–.10	169.0E–.10	221–13	4.2b			¶12075833
NEIC	XII	05 04 54 44.9–1.7	18.65S	169.14E	218–16	4.3b			
IDC	XII	05 04 54 49.0–10	18.63S	169.02E	252–96	4.1,3.9b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=21.3km s-min=18.1km az=150.2.								
NEIC	Event type se. Error ellipse: s-maj=20.5km s-min=14.5km az=151.0.								
IDC	Error ellipse: s-maj=39.7km s-min=23.8km az=96.0.								
ISC	**XII**	**05 16 13 05.9–1.1**	**19.2S–.10**	**169.13E–.07**	**169–9**	**4.2b**	**43**	**4-144**	
NOU	XII	05 16 13 01.7–.96	18.60S	169.08E	30–0	3.1,1.8s			¶12075899
IDC	XII	05 16 13 04.6–6.4	19.02S	169.18E	160–57	4.0,3.8b			
ISCJB	XII	05 16 13 05.2–1.1	19.2S–.10	169.12E–.08	175–9	4.2b,3.8b			
NEIC	XII	05 16 13 06.3–1.4	19.17S	169.14E	176–14	4.4b,3.8b			
ISC	Event type se.								
NOU	Error ellipse: s-maj=23.4km s-min=34.8km az=-1.0.								
IDC	Error ellipse: s-maj=33.7km s-min=20.6km az=11.0.								
ISCJB	Event type se. Error ellipse: s-maj=19.1km s-min=10.5km az=160.1.								
NEIC	Event type se. Error ellipse: s-maj=21.2km s-min=10.6km az=166.0.								
ISC	**XII**	**06 02 46 02.4–2.1**	**20.6S–.20**	**169.9E–.10**	**131–15**	**4.0b**	**26**	**3-165**	
ISCJB	XII	06 02 46 01.7–2.2	20.7S–.20	169.9E–.10	137–15	4.0b			¶12075966
NEIC	XII	06 02 46 02.6–2.4	20.55S	169.88E	135–19	4.3b			
IDC	XII	06 02 46 06.4–7.1	20.66S	169.73E	166–63	3.9s,3.9			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=27.3km s-min=18.6km az=15.6.								
NEIC	Event type se. Error ellipse: s-maj=24.0km s-min=14.9km az=212.0.								
IDC	Error ellipse: s-maj=41.3km s-min=23.1km az=16.0.								
IDC	**XII**	**06 10 37 16.3–5.8**	**13.60S**	**167.71E**	**0**	**3.6,3.4**			
									¶12076014
IDC	Error ellipse: s-maj=283.5km s-min=35.4km az=142.0.								
ISC	**XII**	**07 03 56 49.9–4.0**	**20.0S–.40**	**170.5E–.40**	**12–27**	**4.0b**	**9**	**4-146**	
IDC	XII	07 03 56 45.9–3.1	21.24S	170.90E	0	4.3,3.9			¶12076106
NOU	XII	07 03 56 47.6–.44	20.02S	170.96E	30–0	2.9,2.3L			
ISCJB	XII	07 03 56 49.6–4.1	19.9S–.40	170.4E–.40	19–33	4.0b,2.3L			
ISC	**XII**	**09 10 19 01.2–1.5**	**19.1S–.20**	**169.3E–.20**	**262–15**	**3.8b**	**27**	**4-144**	
IDC	XII	09 10 18 58.9–3.6	19.10S	169.46E	246–32	3.9,3.7b			¶12076524
ISCJB	XII	09 10 19 00.6–1.5	19.1S–.20	169.2E–.20	271–14	3.8b,3.7b			
NEIC	XII	09 10 19 00.9–1.8	19.09S	169.36E	265–17	3.5b,3.7b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=24.9km s-min=16.3km az=122.0.								
ISCJB	Event type se. Error ellipse: s-maj=30.2km s-min=19.7km az=142.9.								
NEIC	Event type se. Error ellipse: s-maj=25.1km s-min=16.7km az=144.0.								
ISC	**XII**	**09 17 28 59.5–.09**	**15.98S–.02**	**168.18E–.02**	**227**	**5.4b**	**646**	**6-169**	
NOU	XII	09 17 28 48.3–.63	14.98S	167.11E	30–0	4.6L,4.1			¶13813771
ISCJB	XII	09 17 28 57.9–.09	15.98S–.02	168.14E–.02	225	5.4b,4.1			
NEIC	XII	09 17 28 58.6–.14	15.93S	168.17E	224	6.0W,5.9W			
MOS	XII	09 17 28 58.6–1.4	15.92S	168.20E	230	5.6b,5.0s			
LDG	XII	09 17 28 58.4–.16	15.80S	167.62E	210–0	5.3b,4.9s			
BJI	XII	09 17 28 59.6	15.30S	168.16E	223	5.6b,5.4b			
IDC	XII	09 17 28 59.3–.32	15.92S	168.22E	229–2	5.0,5.0			
DJA	XII	09 17 29 00	16.09S	168.22E	232	5.4b,5.0			
GCMT	XII	09 17 29 01.9–.10	15.98S	168.04E	237–0	6.1W,5.0			
ISC	Event type ke.								
NOU	Error ellipse: s-maj=6.5km s-min=54.3km az=-1.0.								
ISCJB	Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=139.3.								

NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=149.0. Moment Tensor Solution. s41 Moment tensor: Scale 10^{18}Nm; M_{rr}0.56 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$0.05 $M_{r\theta}$-1.03 $M_{\theta\phi}$0.34 $M_{\phi r}$-0.45 Best double couple: NP1:ϕ_s139.00000°,δ25.00000°,λ150.00000°. NP2:ϕ_s256.00000° ,δ78.00000°,λ68.00000°. Principal axes: T 1.4000,Plg52.0000°,Azm140.0000° ; N -0.1800,Plg21.0000°,Azm261.0000°; P -1.2100,Plg29.0000°,Azm3.0000° $M_0$1.30000×10^{18}

MOS	Error ellipse: s-maj=7.4km s-min=7.1km az=146.2.								
LDG	Event type ke. Error ellipse: s-maj=22.7km s-min=6.5km az=91.0.								
IDC	Error ellipse: s-maj=9.1km s-min=7.2km az=165.0.								

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=121, comp=288, per= 50. Moment Tensor Solution. s112,c267; s78,c116; Moment tensor: Scale 10^{18}Nm; M_{rr}0.56±.01 $M_{\theta\theta}$-0.80±.01; $M_{\phi\phi}$0.24±.01; $M_{r\theta}$-1.01±.01; $M_{\theta\phi}$0.60±.01; $M_{\phi r}$-0.46±.01; Best double couple: NP1:ϕ_s148.00000°,δ36.00000°,λ156.00000°. NP2:ϕ_s258.00000°,δ76.00000°,λ57.00000°. Principal axes: T 1.4900,Plg48.0000°,Azm133.0000°; N -0.0800,Plg32.0000°,Azm267.0000° ; P -1.4100,Plg24.0000°,Azm13.0000° $M_0$1.50000×10^{18}

IDC	**XII**	**11 17 36 35.0–3.2**	**13.70S**	**166.34E**	**0**	**3.7,3.6b**			
									¶12076963
IDC	Error ellipse: s-maj=179.6km s-min=34.3km az=133.0.								
ISC	**XII**	**12 11 30 41.8–1.4**	**18.82S–.10**	**169.2E–.10**	**234–11**	**4.0b**	**42**	**4-143**	
IDC	XII	12 11 30 40.6–6.5	18.84S	169.24E	223–59	4.1,3.9			¶12077121
ISCJB	XII	12 11 30 41.6–1.4	18.84S–.10	169.2E–.10	243–11	4.0b,3.9			
NEIC	XII	12 11 30 42.4–1.3	18.80S	169.21E	240–12	4.5b,3.9			
ISC	Event type se.								
IDC	Error ellipse: s-maj=26.8km s-min=20.8km az=109.0.								
ISCJB	Event type se. Error ellipse: s-maj=17.2km s-min=15.4km az=4.0.								
NEIC	Event type se. Error ellipse: s-maj=14.5km s-min=12.5km az=143.0.								
ISC	**XII**	**12 13 13 27.5–2.1**	**14.19S–.09**	**166.6E–.20**	**38–18**	**3.8b**	**18**	**8-86**	
IDC	XII	12 13 13 21.2–1.8	14.24S	166.84E	0	4.9L,4.1			¶12077132
ISCJB	XII	12 13 13 25.0–1.0	14.23S–.07	166.6E–.10	33	3.8b,4.1			
NEIC	XII	12 13 13 26.6–1.0	14.26S	166.80E	35	3.8b,4.1			
ISC	Event type se.								
IDC	Error ellipse: s-maj=54.4km s-min=24.7km az=131.0.								
ISCJB	Event type se. Error ellipse: s-maj=18.7km s-min=7.6km az=158.6.								
NEIC	Event type se. Error ellipse: s-maj=22.1km s-min=14.0km az=84.0.								
ISC	**XII**	**12 13 25 53.1–1.1**	**14.23S–.05**	**166.66E–.06**	**45–10**	**4.3b,4.0s**	**62**	**8-165**	
IDC	XII	12 13 25 52.0–6.4	14.18S	166.77E	36–49	4.2,4.1			¶11653452
NEIC	XII	12 13 25 53.6–.95	14.24S	166.70E	51–8	4.6b,4.1			
ISC	Event type se.								
IDC	Error ellipse: s-maj=28.4km s-min=17.0km az=90.0.								
NEIC	Event type se. Error ellipse: s-maj=8.2km s-min=7.5km az=191.0.								
ISC	**XII**	**12 22 44 16.1–2.6**	**13.1S–.10**	**167.1E–.10**	**191–27**	**3.9b**	**23**	**9-166**	
IDC	XII	12 22 44 14.6–7.1	13.13S	167.06E	174–64	3.8,3.7b			¶13402586
ISCJB	XII	12 22 44 15.9–2.6	13.2S–.10	167.1E–.10	205–28	3.8b,3.7b			
NEIC	XII	12 22 44 15.9–1.8	13.15S	167.10E	190–18	3.7b,3.7b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=27.0km s-min=21.2km az=51.0.								
ISCJB	Event type se. Error ellipse: s-maj=25.0km s-min=16.5km az=158.0.								
NEIC	Event type se. Error ellipse: s-maj=16.2km s-min=10.7km az=166.0.								
ISC	**XII**	**13 22 35 46.8–1.2**	**14.14S–.06**	**166.54E–.07**	**63–11**	**4.6b**	**64**	**8-165**	
NEIC	XII	13 22 35 39.1–.34	14.19S	166.79E	10	4.7b			¶12077346
ISCJB	XII	13 22 35 44.5–1.6	14.13S–.06	166.49E–.07	57–14	5.0s,4.6b			
IDC	XII	13 22 35 50.5–2.9	14.07S	166.35E	87–24	5.0s,5.0			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=10.5km s-min=8.6km az=115.0.								
ISCJB	Event type se. Error ellipse: s-maj=11.9km s-min=8.9km az=138.0.								
IDC	Error ellipse: s-maj=18.0km s-min=14.4km az=72.0.								
ISC	**XII**	**13 22 37 25.0–.94**	**14.12S–.04**	**166.57E–.04**	**42–8**	**5.0b,5.0s**	**213**	**8-165**	
LDG	XII	13 22 37 19.2–.18	13.79S	166.79E	10–0	5.2b,5.1s			¶13402670
NEIC	XII	13 22 37 20.3–.20	14.10S	166.57E	14	5.4b,5.4W			
ISCJB	XII	13 22 37 21.0–1.6	14.10S–.04	166.55E–.04	25–11	5.0b,5.0s			
MOS	XII	13 22 37 22.3–1.1	14.16S	166.54E	33	5.5b,5.0s			
GCMT	XII	13 22 37 25.1–.10	14.26S	166.59E	22–0	5.6W,5.0s			
BJI	XII	13 22 37 25.4	13.76S	166.59E	48	5.5b,5.3s			
IDC	XII	13 22 37 27.2–2.7	14.16S	166.49E	60–23	5.1,5.1s			
ISC	Event type ke.								
LDG	Event type ke. Error ellipse: s-maj=24.6km s-min=7.6km az=86.0.								

NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.7km az=35.0. Moment Tensor Solution. s40 Moment tensor: Scale 10^{17}Nm; M_{rr}1.51 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-1.14 $M_{r\theta}$0.35 $M_{\theta\phi}$0.11 $M_{\phi r}$-0.47 Best double couple: NP1:ϕ_s358.00000°,δ35.00000°,λ103.00000°. NP2:ϕ_s163.00000° ,δ56.00000°,λ81.00000°. Principal axes: T 1.6500,Plg76.0000°,Azm44.0000° ; N -0.3900,Plg7.0000°,Azm167.0000°; P -1.2500,Plg10.0000°,Azm258.0000° $M_0$1.50000×10^{17}

ISCJB	Event type ke. Error ellipse: s-maj=7.6km s-min=5.8km az=36.1.								
MOS	Error ellipse: s-maj=9.9km s-min=8.1km az=43.7.								

GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 110 sta. Moment Tensor Solution. s100,c177; s99,c205; Moment tensor: Scale 10^{17}Nm; M_{rr}2.74±.04 $M_{\theta\theta}$0.23±.04; $M_{\phi\phi}$-2.97±.04; $M_{r\theta}$0.96±.07; $M_{\theta\phi}$0.78±.03; $M_{\phi r}$-0.47±.06; Best double couple: NP1:ϕ_s4.00000° ,δ41.00000°,λ116.00000°. NP2:ϕ_s151.00000°,δ54.00000°,λ69.00000°. Principal axes: T 3.0700,Plg72.0000°,Azm6.0000°; N 0.1600,Plg17.0000°,Azm164.0000° ; P -3.2300,Plg7.0000°,Azm256.0000° $M_0$3.20000×10^{17}

IDC	Error ellipse: s-maj=13.6km s-min=12.3km az=61.0.								
ISC	**XII**	**13 22 40 57.4–.88**	**14.2S–.10**	**166.6E–.20**	**35**	**4.2b**	**25**	**20-165**	
NEIC	XII	13 22 40 54.1–.59	14.11S	166.52E	10	4.5b			¶12077350
ISCJB	XII	13 22 40 55.3–.88	14.2S–.10	166.6E–.20	33	4.2b			
IDC	XII	13 22 40 55.0–1.5	13.93S	166.23E	0	4.3,4.2b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=24.9km s-min=12.7km az=133.0.								
ISCJB	Event type se. Error ellipse: s-maj=27.6km s-min=14.4km az=36.6.								
IDC	Error ellipse: s-maj=55.9km s-min=27.2km az=124.0.								
ISC	**XII**	**13 23 17 20.0–.88**	**14.24S–.04**	**166.55E–.04**	**49–8**	**4.9b,4.5s**	**178**	**8-165**	
NEIC	XII	13 23 17 13.9–.24	14.15S	166.73E	10	5.1b,4.5s			¶12077353
LDG	XII	13 23 17 13.8–.30	13.89S	166.71E	10–0	5.1b,4.5s			
ISCJB	XII	13 23 17 16.6–1.1	14.23S–.04	166.54E–.05	33–10	4.9b,4.5s			
MOS	XII	13 23 17 16.9–1.3	14.14S	166.52E	33	5.3b,4.5s			
BJI	XII	13 23 17 19.8	13.65S	166.94E	53	5.2b,5.0s			
GCMT	XII	13 23 17 21.4–.30	14.26S	166.56E	24–0	5.1W,5.0s			
IDC	XII	13 23 17 23.8–2.8	14.11S	166.43E	79–23	4.5s,4.5			
ISC	Event type ke.								
NEIC	Event type se. Error ellipse: s-maj=8.9km s-min=7.5km az=111.0.								
LDG	Event type ke. Error ellipse: s-maj=39.6km s-min=11.8km az=86.0.								
ISCJB	Event type ke. Error ellipse: s-maj=8.2km s-min=6.0km az=138.5.								
MOS	Error ellipse: s-maj=10.2km s-min=8.0km az=36.7.								

GCMT Event type se. Data Used: II IC G IU. Moment Tensor Solution. s43,c57; s54,c79; Moment tensor: Scale 10^{16}Nm; M_{rr}5.21±.30 $M_{\theta\theta}$0.86±.23; $M_{\phi\phi}$-6.07±.20; $M_{r\theta}$1.98±.36; $M_{\theta\phi}$0.94±.14; $M_{\phi r}$-1.12±.23; Best double couple: NP1:ϕ_s12.00000°,δ42.00000°,λ120.00000°. NP2:ϕ_s154.00000°,δ55.00000°,λ66.00000°. Principal axes: T 6.0200,Plg69.0000° ,Azm10.0000°; N 0.3500,Plg19.0000°,Azm168.0000°; P -6.3700,Plg7.0000°,Azm261.0000° $M_0$6.20000×10^{16}

IDC	Error ellipse: s-maj=15.8km s-min=12.8km az=71.0.								
ISC	**XII**	**13 23 20 15.2–.54**	**14.20S–.09**	**166.8E–.10**	**35**	**4.2b**	**31**	**8-151**	
IDC	XII	13 23 20 09.3–1.5	14.28S	166.89E	0	4.3,4.2b			¶12077354
NEIC	XII	13 23 20 11.5–.43	14.20S	166.81E	10	4.7b,4.2b			
ISCJB	XII	13 23 20 13.5–.54	14.19S–.09	166.7E–.10	33	4.2b,4.2b			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
IDC	**XII**	**13 23 41 04.0–2.2**	**14.01S**	**166.61E**	**0**	**4.0,3.8b**			

¶12077356

IDC Error ellipse: s-maj=103.5km s-min=26.6km az=137.0.
IDC XII 13 23 48 48.9–2.8 13.86S 166.44E 0 3.9,3.7b

¶12077358

IDC Error ellipse: s-maj=188.9km s-min=31.3km az=134.0.
IDC XII 14 00 13 41.3–2.5 13.60S 166.22E 0 4.0,3.8

¶12077361

IDC Error ellipse: s-maj=124.3km s-min=29.0km az=136.0.
IDC XII 14 01 07 44.6–4.9 14.13S 166.65E 0 3.8,3.5b

¶12077365

IDC Error ellipse: s-maj=272.3km s-min=30.7km az=144.0.
ISC XII 14 01 36 13.3–1.2 14.16S–.08 166.6E–.20 35 4.2s,3.9b 13 8-125
IDC XII 14 01 36 07.9–2.0 14.10S 166.67E 0 4.2s,4.2 ¶12077368
NEIC XII 14 01 36 09.6–.74 14.08S 166.61E 10 4.0b,4.2
ISCJB XII 14 01 36 11.4–1.2 14.25S–.08 166.6E–.20 33 4.2s,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 14 03 53 23.4–3.1 15.0S–.10 167.3E–.20 134–25 3.8b 24 7-166
IDC XII 14 03 53 07.0–1.1 14.76S 167.42E 0 4.0,3.9b ¶12077388
ISCJB XII 14 03 53 22.1–3.4 15.0S–.10 167.2E–.20 133–28 3.8b,3.9b
NEIC XII 14 03 53 23.3–2.7 15.04S 167.30E 134–22 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=27.2km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=29.5km s-min=20.4km az=153.7.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=18.4km az=221.0.
IDC XII 14 06 56 58.6–2.7 13.71S 166.35E 0 3.9,3.7

¶12077408

IDC Error ellipse: s-maj=129.4km s-min=29.2km az=137.0.
IDC XII 14 15 21 57.2–2.5 14.10S 166.47E 0 4.0,3.7

¶12077463

IDC Error ellipse: s-maj=117.6km s-min=29.7km az=137.0.
IDC XII 14 19 52 05.2–53 15.44S 168.49E 0 4.3,4.1b

¶12077490

IDC Error ellipse: s-maj=905.2km s-min=107.3km az=68.0.
ISC XII 14 20 08 02.4–2.0 18.37S–.06 168.1E–.20 41–13 4.4b,3.3s 32 4-150
IDC XII 14 20 07 52.7–1.3 18.61S 168.69E 0 4.9L,4.4 ¶11538950
LDG XII 14 20 07 58.0–.24 18.00S 167.65E 10–0 4.5b,4.4
NOU XII 14 20 07 58.8–1.1 17.85S 167.32E 30–0 4.2L,3.5
ISCJB XII 14 20 08 01.1–2.1 18.35S–.06 167.9E–.20 37–16 4.4b,3.3s
NEIC XII 14 20 08 03.1–2.2 18.42S 167.97E 38–17 4.4b,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=29.9km s-min=27.2km az=102.0.
LDG Event type ke. Error ellipse: s-maj=36.0km s-min=4.7km az=97.0.
NOU Error ellipse: s-maj=10.9km s-min=41.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=38.6km s-min=10.5km az=3.1.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=16.7km az=96.0.
ISC XII 15 09 52 48.3–.26 14.21S–.03 166.66E–.05 35 5.0b,4.6s 166 8-165
NOU XII 15 09 52 40.5–1.1 13.74S 167.86E 30–0 4.4,3.0L ¶13402842
LDG XII 15 09 52 44.1–.31 13.85S 166.80E 10–0 5.2b,4.6s
IDC XII 15 09 52 44.0–2.4 14.34S 166.88E 17–11 5.3L,4.6
ISCJB XII 15 09 52 46.0–.27 14.26S–.03 166.67E–.05 33 5.0b,4.6s
MOS XII 15 09 52 46.6–1.0 14.12S 166.50E 33 5.1b,4.5s
DJA XII 15 09 52 47 14.35S 166.58E 12 5.0b,4.5s
NEIC XII 15 09 52 48.6–1.4 14.19S 166.67E 43–11 5.1b,4.9s
GCMT XII 15 09 52 49.9–.20 14.22S 166.47E 26–0 5.2W,4.9s
BJI XII 15 09 52 55.8 13.30S 166.32E 71 5.2s,5.1b
ISC Event type ke.
NOU Error ellipse: s-maj=15.5km s-min=91.8km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=36.7km s-min=10.8km az=86.0.
IDC Error ellipse: s-maj=28.9km s-min=17.0km az=139.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.9km az=176.2.
MOS Error ellipse: s-maj=11.2km s-min=8.6km az=39.3.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.5km az=94.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s51,c69; s71,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}6.18±.22 $M_{\theta\theta}$-0.15±.16; $M_{\phi\phi}$-6.03±.16; $M_{r\theta}$4.73±.40; $M_{\theta\phi}$1.37±.13; $M_{\phi r}$-4.71±.31; Best double couple: NP1:ϕ_s5.00000°,δ26.00000°,λ126.00000°. NP2:ϕ_s145.00000°,δ69.00000°,λ74.00000°. Principal axes: T 9.5500,Plg62.0000° ,Azm30.0000°; N -0.8600,Plg15.0000°,Azm151.0000°; P -8.6900,Plg22.0000° ,Azm248.0000° $M_0$9.10000×10^{16}
ISC XII 15 10 02 41.8–1.8 14.26S–.07 166.7E–.10 49–16 4.0b 36 8-120
IDC XII 15 10 02 34.3–.98 14.31S 166.86E 0 5.0L,4.2 ¶12077578
ISCJB XII 15 10 02 38.9–2.2 14.27S–.07 166.7E–.10 39–19 4.0b,4.2
NEIC XII 15 10 02 41.3–1.5 14.30S 166.73E 47–13 4.0b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=18.5km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=11.2km az=167.1.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.8km az=88.0.
ISC XII 15 10 03 25.8–2.0 14.10S–.08 166.6E–.10 45–16 4.2b,3.8s 35 8-148
IDC XII 15 10 03 18.4–1.1 14.14S 166.79E 0 4.3,4.2 ¶12077579
ISCJB XII 15 10 03 20.7–5.2 14.06S–.10 166.6E–.10 20–36 4.2b,3.8s
NEIC XII 15 10 03 24.9–1.8 14.05S 166.57E 38–15 4.0b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=21.5km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=12.0km az=142.5.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=12.4km az=85.0.
ISC XII 15 10 32 35.2–2.4 14.20S–.04 166.56E–.06 22–16 4.9b,4.3s 146 8-169
NOU XII 15 10 32 29.9–1.6 13.73S 167.29E 30–0 4.5L,4.4 ¶13402845
IDC XII 15 10 32 30.6–.55 14.24S 166.74E 0 4.7,4.6b
ISCJB XII 15 10 32 32.3–2.2 14.16S–.04 166.51E–.06 14–13 4.9b,4.3s
LDG XII 15 10 32 32.1–.27 13.95S 166.76E 10–0 5.0b,4.5s
MOS XII 15 10 32 35.6–.99 14.05S 166.44E 33 5.2b,4.5s
NEIC XII 15 10 32 39.1–.25 14.05S 166.47E 54 5.0b,4.5s
BJI XII 15 10 32 40.7 13.62S 166.48E 59 5.2s,5.2b
ISC Event type ke.
NOU Error ellipse: s-maj=17.9km s-min=135.1km az=-1.0.
IDC Error ellipse: s-maj=19.7km s-min=14.6km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.9km az=158.5.
LDG Event type ke. Error ellipse: s-maj=35.4km s-min=10.5km az=87.0.
MOS Error ellipse: s-maj=10.9km s-min=8.8km az=27.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.4km az=144.0.
IDC XII 15 13 34 34.3–2.5 14.90S 167.30E 0 3.8,3.6

¶12077608

IDC Error ellipse: s-maj=102.1km s-min=27.9km az=135.0.
ISC XII 15 17 08 00.6–.62 14.26S–.06 166.6E–.10 35 4.0b,3.7s 38 8-145
IDC XII 15 17 07 54.5–1.3 14.29S 166.79E 0 4.8L,4.2 ¶11593840
ISCJB XII 15 17 07 58.4–.60 14.32S–.05 166.6E–.10 33 4.0b,3.7s
NEIC XII 15 17 08 00.8–1.6 14.26S 166.63E 39–13 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=20.0km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=7.4km az=174.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.3km az=87.0.
ISC XII 15 18 32 58.6–1.9 20.9S–.10 169.9E–.10 131–13 3.8b 37 3-146
NOU XII 15 18 32 55.5–2.0 19.88S 169.64E 30–0 3.2,2.1s ¶12077643
ISCJB XII 15 18 32 57.9–1.9 20.9S–.10 169.9E–.10 137–14 3.8b,2.1s
NEIC XII 15 18 32 58.2–1.9 20.83S 169.87E 128–14 3.8b,2.1s
IDC XII 15 18 32 60.0–6.3 20.87S 169.85E 144–53 3.8,3.7b
ISC Event type se.
NOU Error ellipse: s-maj=60.7km s-min=53.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=15.3km az=28.7.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=11.4km az=219.0.
IDC Error ellipse: s-maj=31.2km s-min=18.5km az=44.0.
IDC XII 15 21 34 11.1–2.5 13.88S 166.31E 0 3.9,3.8b

¶12077667

IDC Error ellipse: s-maj=107.5km s-min=28.4km az=134.0.
ISC XII 16 01 42 27.3–1.7 18.5S–.10 168.2E–.30 35 3.6b 7 4-124
IDC XII 16 01 42 21.3–2.5 18.58S 168.41E 0 4.0,3.9 ¶11593841
ISCJB XII 16 01 42 25.7–1.7 18.5S–.10 168.1E–.30 33 3.6b,3.9
ISC XII 16 01 43 12.1–1.1 18.5S–.10 168.2E–.20 35 3.9b,3.3s 7 4-124
IDC XII 16 01 43 07.6–1.9 18.10S 168.03E 0 4.2,4.0 ¶12077695
ISCJB XII 16 01 43 10.3–1.1 18.5S–.10 168.1E–.20 33 3.9b,3.3s

IDC XII 16 21 26 46.6–2.0 13.94S 166.57E 0 4.0,3.8

¶12077810

IDC Error ellipse: s-maj=73.3km s-min=25.8km az=130.0.
NEIC XII 17 20 10 43.9–1.7 13.37S 167.20E 200 3.4b
IDC XII 17 20 10 38.5–15 13.32S 167.36E 152–136 3.6,3.5 ¶12077962
NEIC Event type se. Error ellipse: s-maj=55.6km s-min=16.6km az=130.0.
IDC Error ellipse: s-maj=65.1km s-min=43.9km az=114.0.
IDC XII 18 00 41 25.9–2.6 13.86S 166.33E 0 4.0,3.8

¶12077998

IDC Error ellipse: s-maj=122.6km s-min=29.7km az=137.0.
ISC XII 18 02 50 15.1–.72 14.15S–.08 166.5E–.20 35 4.1b,3.6s 28 8-150
IDC XII 18 02 50 09.9–.89 13.99S 166.52E 0 4.3,4.2 ¶11593854
ISCJB XII 18 02 50 12.5–.74 14.26S–.06 166.6E–.20 33 4.1b,3.6s
NEIC XII 18 02 50 15.4–.63 14.06S 166.46E 35 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=22.4km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=9.2km az=176.4.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=14.3km az=87.0.
ISC XII 18 03 20 02.6–.76 17.02S–.03 168.64E–.04 236–7 5.0b 214 5-168
SZGRF XII 18 03 19 23.6 20.48S 169.31E 33 5.0b ¶12078008
IDC XII 18 03 20 01.8–.73 17.03S 168.60E 226–5 4.6b,4.6
ISCJB XII 18 03 20 01.4–.84 16.99S–.04 168.61E–.04 237–8 5.0b,4.6
NEIC XII 18 03 20 02.6–.83 17.00S 168.55E 230–7 5.2b,4.6
MOS XII 18 03 20 03.7–1.4 16.99S 168.55E 257 5.1b,4.6
BJI XII 18 03 20 04.2 16.39S 168.69E 243 5.1b,4.9b
GCMT XII 18 03 20 05.3–.30 16.96S 168.42E 243–2 5.1W,4.9b
LDG XII 18 03 20 05.4–.12 17.15S 167.69E 250–0 4.9b,4.9b
DJA XII 18 03 20 08 17.06S 168.26E 270 5.1b,4.9b
ISC Event type ke.
SZGRF Vanuatu Islands.
IDC Error ellipse: s-maj=9.9km s-min=9.5km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.1km az=138.8.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=7.3km az=187.0.
MOS Error ellipse: s-maj=10.2km s-min=8.6km az=32.1.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s37,c45; s69,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}2.26±.18 $M_{\theta\theta}$-3.58±.18; $M_{\phi\phi}$1.32±.17; $M_{r\theta}$-3.37±.20; $M_{\theta\phi}$0.17±.16; $M_{\phi r}$-3.07±.17; Best double couple: NP1:ϕ_s122.00000°,δ29.00000°,λ152.00000°. NP2:ϕ_s237.00000°,δ77.00000°,λ64.00000°. Principal axes: T 5.7200,Plg51.0000° ,Azm118.0000°; N -0.3800,Plg25.0000°,Azm243.0000°; P -5.3400,Plg27.0000° ,Azm348.0000° $M_0$5.50000×10^{16}
LDG Event type ke. Error ellipse: s-maj=14.8km s-min=4.8km az=93.0.
ISC XII 18 10 37 01.1–4.4 18.6S–.50 170.6E–.50 226–33 4.0b 18 5-43
NEIC XII 18 10 36 04.5–4.2 17.01S 175.08E 35 4.1b ¶13837140
IDC XII 18 10 37 03.3–8.8 18.56S 170.41E 233–50 3.9,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=87.9km s-min=32.5km az=115.0.
IDC Error ellipse: s-maj=98.4km s-min=76.5km az=110.0.
ISC XII 21 13 20 41.3–2.3 17.81S–.08 167.6E–.30 35 4.1b 12 4-32
NOU XII 21 13 20 37.1–1.2 17.40S 167.35E 30–0 3.2L,3.0 ¶12078463
IDC XII 21 13 20 40.2–14 17.92S 167.15E 0 4.4,4.2b
NOU Error ellipse: s-maj=12.5km s-min=49.8km az=-1.0.
IDC Error ellipse: s-maj=242.9km s-min=38.5km az=69.0.
ISC XII 21 18 43 58.2–1.8 14.97S–.07 166.9E–.10 36–15 4.0b 35 7-148
IDC XII 21 18 43 52.4–.97 14.96S 167.01E 0 4.2,4.2L ¶11593874
ISCJB XII 21 18 43 53.9–4.4 15.01S–.06 166.8E–.10 16–30 4.0b,4.2L
NEIC XII 21 18 43 54.5–5.0 15.02S 166.87E 6–29 4.0b,4.2L
LDG XII 21 18 43 55.3–.13 14.79S 167.84E 10–0 4.7b,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=20.1km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=23.3km s-min=10.0km az=169.8.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.9km az=75.0.
LDG Event type ke. Error ellipse: s-maj=21.9km s-min=4.2km az=96.0.
ISC XII 24 06 06 31.7–3.0 16.7S–.20 168.4E–.20 218–29 3.6b 9 6-149
ISCJB XII 24 06 06 31.6–3.1 16.7S–.20 168.3E–.20 230–30 3.6b ¶12078775
IDC XII 24 06 06 31.2–3.9 16.66S 168.40E 215–37 3.5,3.4
ISCJB Error ellipse: s-maj=33.9km s-min=25.0km az=172.2.
IDC Error ellipse: s-maj=34.4km s-min=21.6km az=168.0.
ISC XII 24 13 22 32.6–1.4 14.34S–.09 166.6E–.20 35 3.5b,3.1s 13 8-86
IDC XII 24 13 22 27.5–1.7 14.36S 166.58E 0 3.9,3.8L ¶12078821
ISCJB XII 24 13 22 30.7–1.4 14.43S–.09 166.5E–.20 33 3.5b,3.1s
NEIC XII 24 13 22 32.6–1.3 14.45S 166.60E 35 3.1b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=43.5km s-min=27.5km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=27.3km s-min=12.1km az=170.1.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=20.8km az=93.0.
IDC XII 24 21 37 45.0–1.5 14.67S 167.87E 0 4.1,3.9L

¶12078858

IDC Error ellipse: s-maj=59.2km s-min=26.6km az=124.0.
ISC XII 26 08 24 18.0–2.7 20.3S–.40 169.1E–.30 48–31 4.0b 12 3-145
IDC XII 26 08 24 08.0–4.2 21.04S 169.70E 0 4.3,4.1b ¶12079022
ISCJB XII 26 08 24 17.3–2.5 20.3S–.40 169.0E–.30 52–28 4.0b,4.1b
NOU XII 26 08 24 17.3–.61 19.62S 168.50E 30–0 3.3L,2.7
IDC Error ellipse: s-maj=159.6km s-min=33.3km az=152.0.
ISCJB Error ellipse: s-maj=75.7km s-min=19.4km az=141.0.
NOU Error ellipse: s-maj=10.8km s-min=16.4km az=-1.0.
ISC XII 26 09 12 33.0–4.7 20.0S–.10 168.6E–.20 13–30 3.8b 18 3-145
IDC XII 26 09 12 30.3–2.0 20.11S 168.72E 0 4.2,3.9b ¶12079034
NEIC XII 26 09 12 31.7–1.1 19.94S 168.65E 10 3.8b,3.9b
ISCJB XII 26 09 12 32.7–4.7 19.9S–.10 168.5E–.20 21–34 3.8b,3.9b
NOU XII 26 09 12 32.5–.87 19.66S 168.57E 30–0 3.0L,2.9
ISC Event type se.
IDC Error ellipse: s-maj=107.4km s-min=27.9km az=154.0.
NEIC Event type se. Error ellipse: s-maj=38.8km s-min=16.7km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=39.8km s-min=12.1km az=31.2.
NOU Error ellipse: s-maj=18.2km s-min=27.0km az=-1.0.
ISC XII 27 21 07 48.4–.18 14.89S–.03 167.80E–.03 35 5.2b,4.5s 269 7-169
IDC XII 27 21 07 42.7–.46 14.83S 167.89E 0 5.2L,4.9b ¶13404183
MOS XII 27 21 07 46.9–1.2 14.78S 167.68E 33 5.2b,4.4s
ISCJB XII 27 21 07 46.5–.18 14.91S–.03 167.74E–.03 33 5.2b,4.5s
BJI XII 27 21 07 47.8 14.80S 167.80E 40 5.4b,5.2s
GCMT XII 27 21 07 47.6–.20 14.86S 167.81E 13–0 5.2W,5.2s
NEIC XII 27 21 07 48.8–1.2 14.83S 167.77E 40–10 5.1b,5.2s
DJA XII 27 21 07 53 15.22S 167.81E 64 5.3b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=14.6km az=15.0.
MOS Error ellipse: s-maj=9.5km s-min=8.1km az=13.7.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.3km az=25.3.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s55,c76; s80,c132; Moment tensor: Scale 10^{16}Nm; M_{rr}6.19±.21 $M_{\theta\theta}$-0.46±.19; $M_{\phi\phi}$-5.73±.16; $M_{r\theta}$0.18±.44; $M_{\theta\phi}$3.64±.13; $M_{\phi r}$-1.35±.37; Best double couple: NP1:ϕ_s328.00000°,δ40.00000°,λ82.00000°. NP2:ϕ_s158.00000°,δ51.00000°,λ97.00000°. Principal axes: T 6.3500,Plg83.0000° ,Azm108.0000°; N 1.3600,Plg5.0000°,Azm334.0000°; P -7.7100,Plg5.0000°,Azm243.0000° $M_0$7.00000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=6.4km az=179.0.
ISC XII 28 12 30 52.3–1.6 18.89S–.07 168.5E–.10 53–14 4.0b 33 4-101
ISCJB XII 28 12 30 51.2–1.9 18.88S–.08 168.4E–.10 55–16 4.0b ¶11613303
NEIC XII 28 12 30 51.5–2.2 18.75S 168.62E 46–19 4.2b
NOU XII 28 12 30 52.1–.85 18.52S 167.84E 30–0 4.2L,3.2
IDC XII 28 12 30 53.8–4.7 18.68S 168.50E 65–42 4.8L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=12.9km az=4.6.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=16.1km az=72.0.
NOU Error ellipse: s-maj=15.5km s-min=39.6km az=-1.0.
IDC Error ellipse: s-maj=26.1km s-min=25.1km az=14.0.
IDC XII 29 01 20 10.9–4.3 13.77S 165.81E 0 4.0,3.8b

¶12079328

IDC Error ellipse: s-maj=179.0km s-min=34.2km az=139.0.
ISC XII 29 05 14 32.5–2.9 16.1S–.20 167.9E–.20 221–28 3.9b 16 6-89
IDC XII 29 05 14 06.2–5.9 15.40S 168.12E 0 4.2,4.0b ¶12079355
ISCJB XII 29 05 14 32.6–2.9 16.1S–.20 167.8E–.20 236–28 3.9b,4.0b
NEIC XII 29 05 14 33.0–3.0 16.07S 167.87E 228–28 4.5b,4.0b

ISC Event type se.
IDC Error ellipse: s-maj=154.6km s-min=40.2km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=38.2km s-min=30.7km az=160.0.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=26.1km az=160.0.

(187) New Caledonia.

NOU X 21 03 23 39.1–1.4 23.29S 168.57E 30–0 3.7L,2.5 ¶11711297
NOU Error ellipse: s-maj=60.9km s-min=46.8km az=-1.0.

(188) Loyalty Islands.

ISC VII 02 15 58 45.4–4.1 20.7S–.30 168.5E–.40 6–34 3.8s,3.6b 10 2-98
NOU VII 02 15 58 45.2–1.1 20.33S 168.57E 10–0 2.7L,2.7 **¶11284342**
IDC VII 02 15 58 47.4–5.2 20.20S 167.99E 0 3.8s,3.8
NOU Error ellipse: s-maj=23.0km s-min=24.6km az=-1.0.
IDC Error ellipse: s-maj=138.6km s-min=45.1km az=127.0.
NOU VII 03 11 14 15.0–.83 20.36S 167.26E 10–0 2.1L ¶12697971
NOU Error ellipse: s-maj=13.3km s-min=15.2km az=-1.0.
ISC VII 09 08 24 17.5–.10 20.94S–.03 168.72E–.02 44 5.5b,4.9s 591 2-165
NOU VII 09 08 24 11.4–1.3 20.21S 168.45E 10–0 4.6L,3.4s **¶11108419**
LDG VII 09 08 24 12.7–.18 20.67S 168.55E 10–0 5.9b,4.8s
BJI VII 09 08 24 14.8 20.48S 168.70E 17 5.7b,5.5b
MOS VII 09 08 24 15.3–1.4 20.81S 168.73E 33 5.8b,4.9s
ISCJB VII 09 08 24 15.8–.09 20.93S–.03 168.67E–.02 42 5.5b,4.9s
NEIC VII 09 08 24 16.8–.92 20.92S 168.77E 39–8 5.6b,4.9s
IDC VII 09 08 24 17.2–.59 20.94S 168.63E 39–4 5.1,5.1b
GCMT VII 09 08 24 18.5–.10 20.97S 168.65E 12–0 5.4W,5.1b
DJA VII 09 08 24 18 20.95S 168.83E 50 6.0W,5.1b
SZGRF VII 09 08 24 19.4 19.83S 170.82E 44 5.0b,5.1b
ISC Event type ke.
NOU Error ellipse: s-maj=22.1km s-min=26.9km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=17.9km s-min=4.0km az=135.0.
MOS Error ellipse: s-maj=9.4km s-min=7.7km az=124.2.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.2km az=151.4.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.8km az=164.0.
IDC Error ellipse: s-maj=14.7km s-min=11.4km az=148.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=191, per= 50. Moment Tensor Solution. s85,c141; s27,c27; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.29±.02 $M_{\theta\theta}$0.04±.02; $M_{\phi\phi}$1.26±.02; $M_{r\theta}$-0.32±.05; $M_{\theta\phi}$-0.91±.02; $M_{\phi r}$-0.12±.05; Best double couple: NP1:ϕ_s350.00000°,δ47.00000°,λ-63.00000°. NP2:ϕ_s134.00000°,δ49.00000°,λ-116.00000°. Principal axes: T 1.7500,Plg1.0000°,Azm242.0000°; N -0.3300,Plg19.0000°,Azm151.0000° ; P -1.4100,Plg71.0000°,Azm334.0000° $M_0$1.60000×10^{17}
SZGRF Vanuatu Islands.
ISC VII 10 03 46 45.7–.25 21.05S–.04 168.62E–.04 46 4.9b,4.3s 126 2-154
LDG VII 10 03 46 39.2–.16 20.81S 168.74E 10–0 5.4b,4.1s **¶11132431**
NOU VII 10 03 46 39.0–1.9 20.58S 168.75E 10–0 4.6L,2.6
SZGRF VII 10 03 46 42.9 21.02S 170.56E 41 4.6L,2.6
BJI VII 10 03 46 43.5 20.79S 168.97E 45 5.2b,4.9s
MOS VII 10 03 46 43.0–1.1 20.98S 168.58E 33 5.3b,4.3s
ISCJB VII 10 03 46 43.8–.25 21.02S–.04 168.62E–.04 44 4.9b,4.3s
NEIC VII 10 03 46 45.2–.25 20.98S 168.60E 41 5.1b,4.3s
IDC VII 10 03 46 45.2–.55 20.99S 168.59E 40–4 4.6,4.5
GCMT VII 10 03 46 45.9–.20 20.94S 168.61E 12 5.0W,4.5
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=14.6km s-min=2.7km az=139.0.
NOU Error ellipse: s-maj=47.8km s-min=38.5km az=-1.0.
SZGRF Southeast of Loyalty Islands.
MOS Error ellipse: s-maj=13.2km s-min=10.0km az=31.2.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.5km az=142.8.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.5km az=164.0.
IDC Error ellipse: s-maj=16.1km s-min=13.4km az=133.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s44,c55; s81,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.42±.08 $M_{\theta\theta}$1.34±.10; $M_{\phi\phi}$2.09±.08; $M_{r\theta}$0.48±.25; $M_{\theta\phi}$-1.46±.06; $M_{\phi r}$0.33±.25; Best double couple: NP1:ϕ_s151.00000°,δ45.00000°,λ-77.00000°. NP2:ϕ_s313.00000°,δ46.00000°,λ-102.00000°. Principal axes: T 3.2200,Plg0.0000° ,Azm52.0000°; N 0.3000,Plg9.0000°,Azm322.0000°; P -3.5100,Plg81.0000°,Azm144.0000° $M_0$3.40000×10^{16}
ISC VII 10 03 50 54.5–4.3 20.9S–.20 168.6E–.20 0–27 4.2b 17 2-90
ISCJB VII 10 03 50 54.2–3.6 20.8S–.20 168.5E–.20 5–23 4.2b **¶11284369**
NOU VII 10 03 50 54.6–.89 20.70S 168.81E 10–0 3.9s,2.6
NEIC VII 10 03 50 59.4–1.3 21.07S 168.58E 35 4.0b,2.6
IDC VII 10 03 51 00.4–2.0 20.90S 168.53E 38–6 4.3,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=43.6km s-min=10.5km az=41.5.
NOU Error ellipse: s-maj=31.2km s-min=26.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=47.0km s-min=16.3km az=148.0.
IDC Error ellipse: s-maj=65.4km s-min=24.6km az=143.0.
ISC VII 10 04 09 18.3–4.2 20.9S–.40 168.5E–.50 10–37 3.6b 9 2-88
NOU VII 10 04 09 18.2–1.5 20.53S 168.56E 10–0 4.1L,2.8 **¶11284370**
IDC VII 10 04 09 26.6–11 19.43S 167.01E 0 3.9,3.7b
NOU Error ellipse: s-maj=34.6km s-min=32.8km az=-1.0.
IDC Error ellipse: s-maj=331.2km s-min=56.9km az=134.0.
ISC VII 10 05 53 11.8–1.8 21.1S–.30 168.8E–.30 35 4.0b 11 2-88
NOU VII 10 05 53 08.1–.57 20.57S 168.73E 10–0 4.0L,2.7 **¶11284372**
IDC VII 10 05 53 13.8–2.0 20.20S 167.64E 0 4.2,4.1b
NOU Error ellipse: s-maj=14.2km s-min=11.5km az=-1.0.
IDC Error ellipse: s-maj=45.1km s-min=39.6km az=50.0.
ISC VII 12 08 34 44.3–.86 21.0S–.10 168.6E–.10 35 4.3b 18 2-90
NOU VII 12 08 34 38.9–.77 20.49S 168.65E 10–0 4.1L,2.7 **¶11284389**
ISCJB VII 12 08 34 42.5–.85 21.0S–.10 168.7E–.10 33 4.3b,2.7
IDC VII 12 08 34 44.0–1.6 21.01S 168.63E 34–8 4.3,4.1b
NOU Error ellipse: s-maj=18.6km s-min=16.4km az=-1.0.
ISCJB Error ellipse: s-maj=24.7km s-min=8.1km az=143.9.
IDC Error ellipse: s-maj=32.6km s-min=27.7km az=163.0.
IDC VII 12 20 12 17.1–9.7 20.36S 168.03E 0 4.0,3.8b ¶12698168
IDC Error ellipse: s-maj=279.7km s-min=50.7km az=137.0.
ISC VII 12 21 39 54.7–3.5 20.9S–.30 168.6E–.40 6–31 3.9b 12 2-88
NOU VII 12 21 39 54.8–1.2 20.64S 168.71E 10–0 3.5L,2.7 **¶11284397**
IDC VII 12 21 39 56.1–5.9 20.42S 168.13E 0 4.1,4.0b
NOU Error ellipse: s-maj=31.2km s-min=24.3km az=-1.0.
IDC Error ellipse: s-maj=154.3km s-min=50.9km az=127.0.
ISC VII 12 22 41 59.9–1.8 20.9S–.30 168.6E–.30 35 4.0b 12 2-88
NOU VII 12 22 41 57.3–1.4 20.45S 168.40E 10–0 2.7,1.9s **¶11284399**
IDC VII 12 22 41 58.2–5.2 20.50S 168.01E 0 4.2,4.1b
NOU Error ellipse: s-maj=28.5km s-min=28.5km az=-1.0.
IDC Error ellipse: s-maj=138.3km s-min=45.1km az=127.0.
ISC VII 12 23 00 08.2–1.3 21.0S–.20 168.7E–.20 35 4.2b 19 2-146
NOU VII 12 23 00 02.7–1.6 20.66S 168.84E 10–0 3.6L,2.6 **¶11284401**
ISCJB VII 12 23 00 06.4–1.2 21.0S–.20 168.7E–.20 33 4.2b,2.6
NEIC VII 12 23 00 08.9–1.5 20.94S 168.53E 35 4.2b,2.6
IDC VII 12 23 00 09.0–2.1 20.81S 168.52E 34–7 4.2,4.0b
SZGRF VII 12 23 00 10.8 23.08S 164.19E 33 4.2,4.0b
ISC Event type se.
NOU Error ellipse: s-maj=43.4km s-min=34.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=39.6km s-min=6.6km az=140.0.
NEIC Event type se. Error ellipse: s-maj=49.7km s-min=16.8km az=137.0.
IDC Error ellipse: s-maj=60.9km s-min=24.3km az=143.0.
SZGRF New Caledonia region.
ISC VII 12 23 15 15.9–1.9 21.0S–.30 168.7E–.30 35 4.0b 16 2-88
NOU VII 12 23 15 11.5–.77 20.53S 168.71E 10–0 3.3L,2.6 **¶11284402**
NEIC VII 12 23 15 19.3–4.3 20.76S 168.16E 35 3.6b,2.6
IDC VII 12 23 15 20.5–4.2 20.60S 168.07E 37–6 4.1,3.9
ISC Event type se.
NOU Error ellipse: s-maj=18.5km s-min=16.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=114.0km s-min=21.2km az=120.0.
IDC Error ellipse: s-maj=109.0km s-min=27.3km az=126.0.
ISC VII 13 14 26 40.1–1.2 20.7S–.10 167.9E–.20 35 3.8b 16 2-91
NOU VII 13 14 26 31.3–1.8 20.63S 168.72E 10–0 3.7L,2.6 **¶11284410**
ISCJB VII 13 14 26 38.9–1.2 20.57S–.09 167.8E–.20 33 3.8b,2.6
IDC VII 13 14 26 40.9–2.5 20.72S 167.89E 40–9 3.9,3.7
NEIC VII 13 14 26 40.6–1.2 20.85S 167.92E 40 3.9,3.7
ISC Event type se.
NOU Error ellipse: s-maj=39.5km s-min=34.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=8.4km az=20.8.
IDC Error ellipse: s-maj=81.5km s-min=30.8km az=149.0.
NEIC Event type se. Error ellipse: s-maj=38.0km s-min=15.4km az=137.0.
ISC VII 14 22 20 12.8–.56 20.53S–.06 168.05E–.07 38 3.9b,3.3s 32 2-152
NOU VII 14 22 20 07.7–1.5 20.40S 168.43E 10–0 3.7L,2.7 **¶11153407**
ISCJB VII 14 22 20 10.8–.56 20.47S–.06 168.05E–.07 36 3.9b,3.3s
IDC VII 14 22 20 12.9–1.0 20.52S 167.99E 35–6 4.0,3.8L
NEIC VII 14 22 20 14.8–3.6 20.60S 168.01E 55–36 4.0b,3.8L
ISC Event type se.
NOU Error ellipse: s-maj=27.6km s-min=28.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.8km az=38.6.
IDC Error ellipse: s-maj=32.6km s-min=21.2km az=159.0.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=9.8km az=186.0.
ISC VII 15 03 35 06.0–2.9 20.92S–.07 168.60E–.08 10–19 4.7b,3.8s 38 2-156
NOU VII 15 03 35 04.4–1.4 20.61S 168.76E 10–0 4.1L,2.6 **¶11159739**
ISCJB VII 15 03 35 05.4–3.0 20.89S–.08 168.63E–.07 18–22 4.7b,3.8s
LDG VII 15 03 35 06.7–.28 20.55S 168.35E 10–0 5.5b,3.8s
SZGRF VII 15 03 35 08.3 21.56S 169.40E 39 5.5b,3.8s
IDC VII 15 03 35 09.9–.98 20.94S 168.59E 39–6 4.5,4.4
NEIC VII 15 03 35 15.0–.53 21.24S 168.01E 39 4.8b,4.4
ISC Event type ke.
NOU Error ellipse: s-maj=32.8km s-min=27.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=16.0km s-min=7.8km az=144.1.
LDG Event type ke. Error ellipse: s-maj=28.5km s-min=5.1km az=130.0.
SZGRF Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=22.4km s-min=19.4km az=114.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=13.7km az=161.0.
ISC VII 15 09 41 59.6–3.1 20.2S–.20 168.3E–.40 35 3.7b 8 2-32
IDC VII 15 09 41 20.1–71 18.99S 172.44E 0 3.9,3.7b **¶12698229**
NOU VII 15 09 41 54.8–.88 19.70S 168.11E 10–0 2.9L,2.5
IDC Error ellipse: s-maj=1209.0km s-min=144.6km az=76.0.
NOU Error ellipse: s-maj=14.1km s-min=25.2km az=-1.0.
ISC VII 30 21 50 50.4–1.1 20.14S–.10 168.58E–.08 123–9 4.4b 48 3-153
NOU VII 30 21 50 22.2–1.8 19.40S 169.83E 10–0 4.3L **¶11227169**
LDG VII 30 21 50 37.4–.25 19.39S 168.87E 10–0 4.9b
ISCJB VII 30 21 50 49.6–1.1 20.15S–.10 168.57E–.08 129–10 4.3b
NEIC VII 30 21 50 54.6–1.0 20.08S 168.69E 174–9 4.5b
BJI VII 30 21 50 55.7 19.37S 169.49E 174 4.9b,4.6b
IDC VII 30 21 51 04.5–1.4 20.21S 168.52E 262–11 4.1,4.1
ISC Event type ke.
NOU Error ellipse: s-maj=61.8km s-min=62.4km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=26.7km s-min=6.7km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=10.1km az=153.3.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.6km az=154.0.
IDC Error ellipse: s-maj=22.7km s-min=16.1km az=128.0.
ISC VIII 04 21 46 53.1–1.5 21.5S–.10 168.47E–.10 36–12 4.5b 32 2-137
IDC VIII 04 21 46 48.0–2.3 21.31S 168.45E 0 4.3,4.3 **¶11377486**
NOU VIII 04 21 46 49.9–.52 21.07S 168.50E 10–0 3.9L,2.6
ISCJB VIII 04 21 46 52.0–1.5 21.5S–.10 168.51E–.10 46–11 4.5b,2.6
NEIC VIII 04 21 46 53.4–1.2 21.47S 168.42E 36–10 4.6b,2.6
ISC Event type se.
IDC Error ellipse: s-maj=70.5km s-min=27.5km az=137.0.
NOU Error ellipse: s-maj=13.2km s-min=9.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=11.4km az=146.6.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.9km az=142.0.
ISC VIII 09 13 26 23.0–1.3 21.0S–.30 168.8E–.20 35 4.0b,3.3s 12 2-92
NOU VIII 09 13 26 18.4–.89 20.51S 168.80E 10–0 4.2L,2.7 **¶11377545**
ISCJB VIII 09 13 26 21.9–1.2 20.8S–.20 168.6E–.20 33 4.0b,3.3s
IDC VIII 09 13 26 25.4–1.9 20.64S 168.50E 40–8 4.0,3.8
NOU Error ellipse: s-maj=22.9km s-min=19.4km az=-1.0.
ISCJB Error ellipse: s-maj=41.5km s-min=8.6km az=137.1.
IDC Error ellipse: s-maj=92.7km s-min=21.7km az=159.0.
ISC VIII 09 13 49 37.9–3.5 20.8S–.10 168.6E–.10 10–21 4.1b,3.3s 19 2-145
ISCJB VIII 09 13 49 37.5–3.4 20.8S–.10 168.6E–.10 17–24 4.1b,3.3s **¶11377546**
NOU VIII 09 13 49 37.6–.92 20.42S 168.59E 10–0 3.0,3.3s
NEIC VIII 09 13 49 41.6–.69 20.84S 168.63E 35 4.3b,3.3s
IDC VIII 09 13 49 42.7–.81 20.83S 168.61E 45–7 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=11.0km az=140.0.
NOU Error ellipse: s-maj=29.6km s-min=35.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=14.5km az=154.0.
IDC Error ellipse: s-maj=28.9km s-min=21.0km az=155.0.
ISC VIII 10 13 23 41.4–.85 21.2S–.10 168.42E–.09 35 4.3b 24 2-127
NOU VIII 10 13 23 36.3–1.4 20.80S 168.53E 10–0 3.8L,2.5 **¶11377562**
ISCJB VIII 10 13 23 39.4–.83 21.2S–.10 168.49E–.09 33 4.3b,2.5
NEIC VIII 10 13 23 40.5–.85 21.26S 168.31E 24 4.5b,2.5
IDC VIII 10 13 23 40.1–1.3 21.35S 168.39E 23–5 4.1,4.0b
ISC Event type se.
NOU Error ellipse: s-maj=31.1km s-min=25.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=7.5km az=147.9.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=18.4km az=52.0.
IDC Error ellipse: s-maj=36.4km s-min=33.8km az=77.0.
ISC IX 08 00 26 32.3–3.9 20.9S–.40 168.4E–.50 13–33 3.9b 11 2-88
NOU IX 08 00 26 32.0–.99 20.55S 168.41E 10–0 4.0L,2.6 **¶11377849**
IDC IX 08 00 26 33.9–10.0 20.18S 167.90E 0 4.1,3.9b
NOU Error ellipse: s-maj=20.5km s-min=22.0km az=-1.0.
IDC Error ellipse: s-maj=287.6km s-min=50.0km az=137.0.
ISC IX 10 13 47 28.4–3.6 20.10S–.08 168.51E–.09 14–24 4.3b 31 3-148
NOU IX 10 13 47 24.4–.98 19.78S 168.70E 10–0 4.1L,3.1 **¶11377880**
IDC IX 10 13 47 25.9–.98 19.87S 168.64E 0 4.5,4.4
ISCJB IX 10 13 47 28.9–.52 20.11S–.08 168.57E–.08 33 4.3b,4.4
NEIC IX 10 13 47 31.2–.44 19.89S 168.52E 35 4.3b,4.4
ISC Event type se.
NOU Error ellipse: s-maj=21.3km s-min=26.5km az=-1.0.
IDC Error ellipse: s-maj=32.5km s-min=21.4km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=6.6km az=44.5.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=10.3km az=164.0.
ISC IX 13 07 32 15.3–.82 21.30S–.04 167.87E–.03 42–7 5.3b,4.5s 330 1-164
NOU IX 13 07 32 08.6–1.4 21.06S 168.07E 10–0 4.4L,3.0 **¶11277495**
IDC IX 13 07 32 08.6–.40 21.26S 168.01E 0 5.2,5.1
SZGRF IX 13 07 32 12.1 21.95S 168.61E 33 5.2,5.1
ISCJB IX 13 07 32 13.9–.90 21.30S–.04 167.83E–.03 44–8 5.3b,4.5s
MOS IX 13 07 32 13.1–1.2 21.22S 167.88E 33 5.5b,4.5s
NEIC IX 13 07 32 14.3–.14 21.23S 167.93E 35 5.3b,4.5s
GCMT IX 13 07 32 15.3–.20 21.21S 167.89E 15–0 5.1W,4.5s
BJI IX 13 07 32 17.7 20.53S 167.91E 54 5.2s,5.2b
DJA IX 13 07 32 23 21.48S 167.67E 104 5.4b,5.2b
ISC Event type se.
NOU Error ellipse: s-maj=25.8km s-min=24.2km az=-1.0.
IDC Error ellipse: s-maj=14.7km s-min=13.2km az=109.0.
SZGRF Loyalty Islands.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.8km az=5.7.
MOS Error ellipse: s-maj=9.6km s-min=8.3km az=124.4.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.4km az=168.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s57,c81; s91,c146; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.73±.17 $M_{\theta\theta}$0.70±.11; $M_{\phi\phi}$5.03±.13; $M_{r\theta}$1.09±.38; $M_{\theta\phi}$-1.71±.08; $M_{\phi r}$-0.75±.33; Best double couple: NP1:ϕ_s168.00000°,δ40.00000°,λ-79.00000°. NP2:ϕ_s333.00000°,δ51.00000°,λ-99.00000°. Principal axes: T 5.7200,Plg5.0000° ,Azm70.0000°; N 0.2000,Plg7.0000°,Azm339.0000°; P -5.9300,Plg81.0000°,Azm196.0000° $M_0$5.80000×10^{16}
ISC IX 13 11 15 58.9–5.1 20.7S–.20 168.5E–.30 27–37 3.8b,3.4s 9 2-92
ISCJB IX 13 11 15 58.5–1.2 20.5S–.20 168.3E–.20 33 3.8b,3.4s **¶11302731**
IDC IX 13 11 15 59.7–2.4 18.70S 167.67E 0 4.2,3.9
ISCJB Error ellipse: s-maj=39.4km s-min=9.0km az=39.5.
IDC Error ellipse: s-maj=112.8km s-min=27.6km az=155.0.
NOU IX 20 17 11 28.5–1.6 20.77S 168.05E 10–0 3.7L,2.6 ¶11377967

NOU Error ellipse: s-maj=22.9km s-min=24.5km az=-1.0.
ISC X 03 17 17 38.8–3.2 20.19S–.08 168.2E–.10 21–22 4.0b,3.2s 33 2-145
NOU X 03 17 17 37.7–.62 19.85S 168.11E 30–0 3.1s,3.0L **¶11710800**
ISCJB X 03 17 17 38.3–3.1 20.16S–.07 168.2E–.10 30–22 4.0b,3.2s
NEIC X 03 17 17 40.5–.78 20.16S 168.23E 35 4.2b,3.2s
IDC X 03 17 17 41.5–1.2 20.07S 168.26E 41–6 4.1,3.9
ISC Event type se.
NOU Error ellipse: s-maj=9.4km s-min=15.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=8.1km az=30.3.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=15.8km az=140.0.
IDC Error ellipse: s-maj=48.5km s-min=18.6km az=150.0.
ISC X 03 19 42 08.9–2.7 20.13S–.07 168.2E–.10 7–16 4.2b,3.2s 37 2-145
IDC X 03 19 42 07.8–1.6 20.00S 168.18E 0 4.4,4.2 **¶11710801**
ISCJB X 03 19 42 08.7–2.6 20.08S–.07 168.2E–.10 17–18 4.2b,3.2s
NOU X 03 19 42 08.3–1.0 19.93S 168.40E 30–0 3.7L,3.0
NEIC X 03 19 42 13.1–.49 20.13S 168.13E 35 4.5b,3.0
ISC Event type se.
IDC Error ellipse: s-maj=68.2km s-min=22.6km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=7.3km az=29.7.
NOU Error ellipse: s-maj=16.6km s-min=22.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=11.0km az=134.0.
ISC X 04 19 59 07.6–3.3 20.16S–.10 168.2E–.20 5–22 3.8b,3.3s 16 2-87
IDC X 04 19 59 06.6–1.9 20.19S 168.17E 0 4.1,3.9 **¶11710821**
ISCJB X 04 19 59 07.5–3.3 20.1S–.10 168.2E–.20 16–24 3.8b,3.3s
NOU X 04 19 59 07.3–1.3 19.88S 168.28E 30–0 3.4L,2.9
IDC Error ellipse: s-maj=42.6km s-min=34.3km az=50.0.
ISCJB Error ellipse: s-maj=35.5km s-min=9.6km az=26.1.
NOU Error ellipse: s-maj=21.9km s-min=33.0km az=-1.0.
ISC X 08 03 35 51.3–2.1 21.2S–.30 168.2E–.30 35 4.0b,3.5s 10 2-146
IDC X 08 03 35 39.0–4.4 22.08S 169.32E 0 4.2,4.1 **¶11710970**
NOU X 08 03 35 47.6–.69 20.69S 168.01E 30–0 4.3L,2.7
IDC Error ellipse: s-maj=158.8km s-min=41.1km az=153.0.
NOU Error ellipse: s-maj=11.0km s-min=11.8km az=-1.0.
ISC X 09 16 56 19.2–.66 22.0S–.10 168.54E–.05 40 4.2b,3.7s 39 2-147
IDC X 09 16 56 13.3–3.1 22.18S 168.70E 0 4.1,3.9 **¶11711041**
NOU X 09 16 56 15.3–.88 21.05S 168.45E 30–0 3.2L,2.2
ISCJB X 09 16 56 17.2–.66 22.0S–.10 168.61E–.05 40 4.2b,3.7s
NEIC X 09 16 56 19.7–.78 21.98S 168.49E 40 4.5b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=135.1km s-min=31.3km az=160.0.
NOU Error ellipse: s-maj=19.2km s-min=14.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=6.3km az=173.7.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=15.0km az=164.0.
ISC X 11 04 30 05.4–.63 20.21S–.06 168.2E–.10 40 4.4b 51 2-165
NOU X 11 04 29 59.5–.82 19.95S 168.49E 30–0 3.9L,2.2 **¶11369885**
LDG X 11 04 30 02.1–.23 19.87S 167.81E 10–0 4.4b,2.2
ISCJB X 11 04 30 03.6–.63 20.16S–.06 168.2E–.10 38 4.4b,2.2
NEIC X 11 04 30 04.7–.46 20.20S 168.33E 39 4.7b,2.2
IDC X 11 04 30 05.2–.78 20.11S 168.24E 37–4 4.3,4.2
ISC Event type ke.
NOU Error ellipse: s-maj=14.4km s-min=18.7km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=27.9km s-min=3.5km az=112.0.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=5.4km az=28.5.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.3km az=148.0.
IDC Error ellipse: s-maj=21.9km s-min=17.0km az=149.0.
ISC X 11 04 31 21.8–.47 20.03S–.08 168.15E–.09 37 4.5b,3.8s 45 3-165
SZGRF X 11 04 31 14.2 23.02S 164.29E 33 4.5b,3.8s **¶11378429**
LDG X 11 04 31 17.8–.19 19.83S 167.78E 10–0 4.9b,3.8s
ISCJB X 11 04 31 19.9–.48 20.01S–.08 168.12E–.09 35 4.5b,3.8s
NEIC X 11 04 31 21.8–.43 20.00S 168.16E 36 4.8b,3.8s
IDC X 11 04 31 21.2–.66 20.09S 168.17E 35–3 4.4,4.3
ISC Event type ke.
SZGRF New Caledonia region.
LDG Event type ke. Error ellipse: s-maj=21.2km s-min=3.7km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=9.5km az=137.1.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.1km az=145.0.
IDC Error ellipse: s-maj=20.6km s-min=14.8km az=142.0.
IDC X 13 02 13 25.5–6.3 20.19S 168.87E 0 4.2,3.9b
¶12068513
IDC Error ellipse: s-maj=257.5km s-min=52.6km az=148.0.
ISC X 13 03 57 48.4–4.7 20.1S–.20 168.4E–.60 23–53 3.8b 8 2-32
IDC X 13 03 56 29.2–79 17.73S 177.40E 0 4.1,3.9b **¶12068523**
NOU X 13 03 57 46.9–.44 19.98S 168.53E 30–0 3.9L,2.7
IDC Error ellipse: s-maj=1392.0km s-min=154.7km az=77.0.
NOU Error ellipse: s-maj=10.3km s-min=14.7km az=-1.0.
NOU X 16 03 32 44.4–1.3 20.75S 167.96E 30–0 3.7L,2.4
¶11711211
NOU Error ellipse: s-maj=19.5km s-min=21.2km az=-1.0.
ISC X 29 17 03 46.0–.88 21.5S–.20 168.2E–.10 35 4.0b,3.7s 26 1-146
NOU X 29 17 03 41.1–.98 20.65S 167.92E 30–0 3.7L,3.2 **¶11711491**
NEIC X 29 17 03 42.7–.89 21.55S 168.13E 10 4.6b,3.2
IDC X 29 17 03 42.8–2.2 21.10S 167.85E 0 4.2,4.0
ISCJB X 29 17 03 44.0–.92 21.4S–.20 168.2E–.10 33 4.0b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 29 17 17 12.8–1.5 21.6S–.30 168.2E–.20 35 4.0b 23 1-146
NOU X 29 17 17 07.8–.96 20.83S 168.08E 30–0 3.2L,2.5 **¶11711492**
IDC X 29 17 17 10.6–2.0 21.40S 167.82E 0 4.2,4.0b
NEIC X 29 17 17 11.6–1.4 21.47S 167.91E 10 4.3b,4.0b
ISC Event type se.
NOU Error ellipse: s-maj=16.3km s-min=14.9km az=-1.0.
IDC Error ellipse: s-maj=84.7km s-min=26.8km az=154.0.
NEIC Event type se. Error ellipse: s-maj=50.5km s-min=16.7km az=153.0.
ISC X 29 17 21 06.6–2.3 21.3S–.10 167.9E–.10 1–13 4.3b,3.5s 27 1-146
IDC X 29 17 21 06.1–1.9 21.31S 167.97E 0 4.3,4.1 **¶12071504**
NEIC X 29 17 21 07.7–.82 21.35S 167.98E 10 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=77.0km s-min=26.5km az=153.0.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=14.8km az=158.0.
ISC X 29 23 13 26.8–.43 21.24S–.07 167.90E–.06 35 4.4b,4.0s 55 1-165
IDC X 29 23 13 22.0–.74 21.12S 167.92E 0 4.5,4.3 **¶12071568**
NEIC X 29 23 13 23.3–.35 21.15S 167.88E 10 4.7b,4.3
ISCJB X 29 23 13 24.7–.43 21.20S–.07 167.92E–.06 33 4.4b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

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ISC VII 02 10 38 20.8–1.4 22.86S–.10 171.43E–.07 44–12 4.3b,4.0s 24 4-98
NOU VII 02 10 38 13.8–.87 19.48S 170.98E 10–0 3.1,2.8L **¶11109355**
IDC VII 02 10 38 14.2–1.4 22.72S 171.56E 0 4.4,4.2
ISCJB VII 02 10 38 19.0–1.5 22.9S–.10 171.40E–.07 42–14 4.3b,4.0s
NEIC VII 02 10 38 23.5–2.5 22.88S 171.51E 74–26 4.5b,4.0s
ISC Event type se.
NOU Error ellipse: s-maj=49.9km s-min=37.4km az=-1.0.
IDC Error ellipse: s-maj=46.0km s-min=28.2km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=10.5km az=6.6.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=13.5km az=130.0.
ISC VII 04 22 06 51.9–1.6 22.5S–.20 170.28E–.08 47–12 4.2b,3.3s 20 3-158
NOU VII 04 22 06 44.8–.61 20.58S 170.36E 10–0 3.5L,3.1 **¶11284349**
IDC VII 04 22 06 45.8–2.4 22.25S 170.21E 0 4.3,4.2
ISCJB VII 04 22 06 49.6–1.7 22.5S–.20 170.31E–.07 44–13 4.2b,3.3s
NEIC VII 04 22 06 53.0–1.2 22.27S 170.13E 50–9 4.5b,3.3s
ISC Event type se.
NOU Error ellipse: s-maj=31.5km s-min=17.5km az=-1.0.
IDC Error ellipse: s-maj=71.1km s-min=27.8km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=33.2km s-min=9.9km az=169.8.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=7.8km az=156.0.
ISC VII 06 02 57 31.6–3.5 21.4S–.60 170.0E–.20 18–29 3.6b 11 3-33
IDC VII 06 02 55 43.6–3.7 19.31S 175.99W 35–8 3.7,3.6 **¶12698034**
NOU VII 06 02 57 30.1–1.4 20.61S 169.94E 10–0 3.2L,3.1
IDC Error ellipse: s-maj=141.2km s-min=33.5km az=139.0.
NOU Error ellipse: s-maj=64.5km s-min=32.8km az=-1.0.
ISC VII 07 18 31 39.9–1.1 21.3S–.20 170.9E–.10 35 4.3b,3.9s 27 4-145
IDC VII 07 18 31 33.8–4.0 21.32S 171.01E 0 4.4,4.3 **¶11810905**
ISCJB VII 07 18 31 37.1–.98 21.4S–.20 171.0E–.10 33 4.4b,3.9s
NEIC VII 07 18 31 39.4–4.7 21.28S 170.98E 37–31 4.5b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=97.2km s-min=45.4km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=15.2km az=169.9.
NEIC Event type se. Error ellipse: s-maj=39.1km s-min=27.3km az=64.0.
ISC VII 09 12 47 32.6–3.0 23.1S–.30 169.60E–.10 6–21 4.0b 17 3-91
NOU VII 09 12 47 31.5–1.3 20.99S 169.84E 10–0 3.4L,3.0 **¶11284359**
ISCJB VII 09 12 47 32.5–3.0 23.2S–.30 169.6E–.10 17–22 4.0b,3.0
IDC VII 09 12 47 33.6–2.6 22.30S 169.31E 0 4.1,3.9
NOU Error ellipse: s-maj=56.3km s-min=25.9km az=-1.0.
ISCJB Error ellipse: s-maj=44.8km s-min=10.0km az=18.5.
IDC Error ellipse: s-maj=116.9km s-min=29.5km az=160.0.
ISC VII 09 22 36 12.5–.89 21.76S–.06 170.22E–.05 68–7 4.5b 64 3-153
SZGRF VII 09 22 36 05.9 22.42S 170.24E 33 4.5b **¶11284367**
ISCJB VII 09 22 36 11.0–.97 21.76S–.06 170.22E–.05 71–8 4.5b
NOU VII 09 22 36 11.6–.98 20.39S 169.83E 10–0 4.1L,2.7
IDC VII 09 22 36 13.6–6.2 21.75S 170.32E 83–54 4.4L,4.3
NEIC VII 09 22 36 14.0–1.0 21.76S 170.30E 85–9 4.7b,4.3
ISC Event type se.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=7.8km az=178.8.
NOU Error ellipse: s-maj=38.5km s-min=24.6km az=-1.0.
IDC Error ellipse: s-maj=25.5km s-min=19.5km az=99.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=7.0km az=192.0.
ISC VII 23 20 28 30.7–2.6 21.3S–.30 170.2E–.20 86–20 3.9b 13 3-147
ISCJB VII 23 20 28 29.6–2.7 21.4S–.30 170.2E–.20 89–21 3.9b **¶11342284**
NOU VII 23 20 28 29.3–.68 24.10S 169.81E 10–0 3.7L,3.0
IDC VII 23 20 28 29.6–1.1 21.34S 170.25E 79–7 4.0,3.8b
ISCJB Error ellipse: s-maj=46.7km s-min=21.2km az=155.0.
NOU Error ellipse: s-maj=44.8km s-min=34.1km az=-1.0.
IDC Error ellipse: s-maj=47.6km s-min=18.2km az=152.0.
ISC VII 24 11 07 05.2–1.0 21.4S–.10 170.50E–.08 169–8 4.6b 42 3-153
NOU VII 24 11 07 00.2–1.2 19.83S 170.41E 10–0 3.3s,3.2 **¶11284449**
NEIC VII 24 11 07 02.8–1.8 21.34S 170.48E 144–17 5.0b,3.2
ISCJB VII 24 11 07 04.1–1.1 21.4S–.10 170.51E–.08 174–8 4.6b,3.2
IDC VII 24 11 07 04.3–2.2 21.35S 170.45E 156–18 4.3,4.2b
ISC Event type se.
NOU Error ellipse: s-maj=91.2km s-min=74.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.4km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=12.3km az=166.7.
IDC Error ellipse: s-maj=17.6km s-min=15.0km az=159.0.
ISC VIII 22 01 33 55.3–.95 21.46S–.06 170.41E–.06 117–8 4.9b 100 3-166
SZGRF VIII 22 01 33 42.9 21.95S 171.44E 33 4.9b **¶11184386**
NOU VIII 22 01 33 52.9–1.3 20.78S 170.47E 10–0 4.9L,3.4
ISCJB VIII 22 01 33 54.5–.93 21.46S–.06 170.38E–.06 122–8 4.9b,3.4
IDC VIII 22 01 33 56.8–1.1 21.51S 170.35E 130–8 4.5,4.5
LDG VIII 22 01 33 56.2–.19 21.04S 170.24E 120–0 5.2b,4.0s
GCMT VIII 22 01 33 57.9–.30 21.56S 170.22E 124–3 5.0W,4.0s
BJI VIII 22 01 33 58.8 21.02S 170.57E 153 5.2b,5.0b
MOS VIII 22 01 33 58.9–1.4 21.37S 170.28E 153 4.9b,5.0b
NEIC VIII 22 01 34 00.1–1.0 21.44S 170.38E 162–9 4.9b,5.0b
BGS VIII 22 01 34 02.2–5.7 21.44S 170.38E 162–0 4.9b,5.0b
ISC Event type ke.
SZGRF Southeast of Loyalty Islands.
NOU Error ellipse: s-maj=75.7km s-min=33.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=8.6km az=159.7.
IDC Error ellipse: s-maj=15.9km s-min=14.5km az=115.0.
LDG Event type ke. Error ellipse: s-maj=19.5km s-min=3.7km az=154.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s29,c30; s77,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}1.02±.12 $M_{\theta\theta}$0.80±.17; $M_{\phi\phi}$-1.83±.15; $M_{r\theta}$1.50±.10; $M_{\theta\phi}$3.11±.13; $M_{\phi r}$0.97±.10; Best double couple: NP1:ϕ_s7.00000°,δ68.00000°,λ157.00000°. NP2:ϕ_s106.00000°,δ69.00000°,λ24.00000°. Principal axes: T 3.9500,Plg31.0000° ,Azm327.0000°; N -0.0700,Plg59.0000°,Azm146.0000°; P -3.8900,Plg0.0000° ,Azm236.0000° $M_0$3.90000×10^{16}
MOS Error ellipse: s-maj=11.7km s-min=10.4km az=34.7.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.3km az=144.0.
BGS Error ellipse: s-maj=241.1km s-min=999.9km az=-1.0.
ISC IX 11 14 45 55.9–2.3 22.89S–.07 170.38E–.05 31–17 4.4b,4.0s 45 3-151
IDC IX 11 14 45 50.9–1.0 22.92S 170.36E 0 4.4,4.4 **¶11302705**
NOU IX 11 14 45 52.9–1.2 19.87S 169.89E 10–0 3.6L,3.1
ISCJB IX 11 14 45 54.1–2.3 22.90S–.08 170.38E–.05 31–17 4.4b,4.0s
NEIC IX 11 14 45 56.0–3.8 22.88S 170.39E 30–28 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=23.5km az=129.0.
NOU Error ellipse: s-maj=46.7km s-min=36.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=7.5km az=18.6.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.5km az=165.0.
ISC IX 12 16 44 31.7–.17 21.70S–.03 170.39E–.03 121 5.5b 286 3-164
SZGRF IX 12 16 44 21.3 21.09S 171.67E 33 5.5b **¶11265538**
ISCJB IX 12 16 44 29.9–.18 21.68S–.03 170.37E–.03 119 5.5b
NEIC IX 12 16 44 30.8–.17 21.68S 170.47E 116 5.8W,5.4b
NOU IX 12 16 44 31.2–1.2 20.22S 169.99E 10–0 5.0L,3.2
IDC IX 12 16 44 31.6–.63 21.68S 170.51E 122–5 5.0,5.0
BGS IX 12 16 44 32.2–4.8 21.68S 170.47E 116–0 5.4b,5.0
MOS IX 12 16 44 32.4–1.2 21.60S 170.45E 136 5.3b,4.9s
BJI IX 12 16 44 33.4 20.87S 170.42E 122 5.4b,5.1b
GCMT IX 12 16 44 34.9–.10 21.73S 170.24E 115–0 5.8W,5.1b
DJA IX 12 16 44 48 22.03S 169.96E 263 5.5W,5.1b
ISC Event type se.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.5km az=178.5.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=5.1km az=152.0. Moment Tensor Solution. s39 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$-1.16 $M_{\phi\phi}$0.07 $M_{r\theta}$4.26 $M_{\theta\phi}$3.46 $M_{\phi r}$0.68 Best double couple: NP1:ϕ_s89.00000°,δ83.00000°,λ51.00000°. NP2:ϕ_s350.00000° ,δ39.00000°,λ168.00000°. Principal axes: T 5.7400,Plg39.0000°,Azm323.0000° ; N -0.2000,Plg38.0000°,Azm94.0000°; P -5.5400,Plg27.0000°,Azm208.0000° $M_0$5.60000×10^{17}
NOU Error ellipse: s-maj=52.1km s-min=35.9km az=-1.0.
IDC Error ellipse: s-maj=11.5km s-min=10.9km az=128.0.
BGS Error ellipse: s-maj=210.3km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=11.6km s-min=8.3km az=131.3.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=245, per= 50. Moment Tensor Solution. s105,c226; s66,c83; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.06 $M_{\theta\theta}$0.74±.07; $M_{\phi\phi}$-0.68±.07; $M_{r\theta}$4.25±.04; $M_{\theta\phi}$5.54±.06; $M_{\phi r}$0.30±.04; Best double couple: NP1:ϕ_s2.00000°,δ53.00000°,λ178.00000°. NP2:ϕ_s93.00000°,δ89.00000°,λ37.00000°. Principal axes: T 7.3000,Plg26.0000°,Azm324.0000°; N -0.5800,Plg53.0000°,Azm95.0000° ; P -6.7200,Plg24.0000°,Azm222.0000° $M_0$7.00000×10^{17}
ISC IX 13 18 22 19.3–1.1 22.61S–.07 172.82E–.06 51–11 4.5b,3.7s 42 6-147
ISCJB IX 13 18 22 16.0–1.4 22.62S–.07 172.83E–.06 39–13 4.5b,3.7s **¶11302737**
NEIC IX 13 18 22 18.9–1.5 22.53S 172.85E 53–15 4.8b,3.7s
IDC IX 13 18 22 25.4–6.0 22.65S 172.70E 105–54 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.4km az=154.5.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=9.6km az=144.0.
IDC Error ellipse: s-maj=21.8km s-min=18.2km az=69.0.
ISC IX 14 05 58 30.4–1.3 22.6S–.20 171.13E–.07 56–13 4.2b 24 4-148
IDC IX 14 05 58 23.5–2.1 21.80S 170.90E 0 4.3,4.1 **¶11377918**
NOU IX 14 05 58 28.6–1.4 20.14S 170.79E 10–0 3.8L,3.3
ISCJB IX 14 05 58 29.0–1.5 22.5S–.20 171.11E–.07 62–15 4.2b,3.3
NEIC IX 14 05 58 31.7–1.6 22.77S 171.40E 79–17 4.0b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=112.5km s-min=27.2km az=156.0.
NOU Error ellipse: s-maj=68.3km s-min=38.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=32.3km s-min=9.4km az=170.3.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=10.7km az=158.0.

IDC IX 19 23 16 24.9–5.0 23.09S 171.55E 0 3.7,3.6 ¶11910667
IDC Error ellipse: s-maj=243.8km s-min=69.8km az=162.0.
ISC IX 26 20 00 50.9–3.1 23.3S–.10 170.71E–.08 29–23 4.0b 18 4-149
NOU IX 26 20 00 47.0–1.3 21.25S 171.02E 83–999 3.2,2.8L **¶11378003**
ISCJB IX 26 20 00 49.4–3.1 23.4S–.10 170.67E–.08 32–22 4.0b,2.8L
IDC IX 26 20 00 51.1–1.1 23.19S 170.72E 28–6 4.1,3.9
NEIC IX 26 20 00 51.8–.72 23.36S 170.75E 33 4.5b,3.9
ISC Event type se.
NOU Error ellipse: s-maj=370.6km s-min=188.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=8.4km az=30.1.
IDC Error ellipse: s-maj=35.7km s-min=22.2km az=148.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=15.0km az=72.0.
ISC IX 30 03 40 35.1–.45 23.20S–.08 169.33E–.05 35 4.6b,4.0s 38 2-165
IDC IX 30 03 40 29.4–.82 23.25S 169.37E 0 4.6,4.4 **¶11911430**
NOU IX 30 03 40 30.7–1.8 19.58S 168.18E 30–0 4.5L,2.9
BJI IX 30 03 40 30.4 22.90S 169.76E 17 5.1b,4.9b
NEIC IX 30 03 40 31.2–.47 23.11S 169.35E 10 4.8b,4.9b
ISCJB IX 30 03 40 32.6–.43 23.26S–.08 169.34E–.05 33 4.6b,4.0s
GCMT IX 30 03 40 35.6–.30 23.09S 169.20E 12 4.9W,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=21.0km az=144.0.
NOU Error ellipse: s-maj=37.1km s-min=87.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=10.8km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.9km az=17.3.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s21,c27; s64,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.97±.10 $M_{\theta\theta}$3.10±.10; $M_{\phi\phi}$-0.13±.12; $M_{r\theta}$0.15±.33; $M_{\theta\phi}$-0.54±.08; $M_{\phi r}$0.20±.40; Best double couple: NP1:ϕ_s104.00000°,δ44.00000°,λ-84.00000°. NP2:ϕ_s275.00000°,δ46.00000°,λ-96.00000°. Principal axes: T 3.1900,Plg1.0000° ,Azm9.0000°; N -0.2000,Plg4.0000°,Azm279.0000°; P -2.9900,Plg85.0000°,Azm113.0000° M_o3.10000×10^{16}
ISC X 01 10 43 01.1–2.9 22.4S–.40 170.39E–.09 26–23 3.8b,3.3s 17 3-81
NOU X 01 10 42 59.0–1.1 21.00S 170.11E 10–109 3.5L,3.0 **¶11710773**
IDC X 01 10 43 06.6–7.0 21.46S 168.94E 0 4.0,3.9
NOU Error ellipse: s-maj=89.3km s-min=36.8km az=-1.0.
IDC Error ellipse: s-maj=160.6km s-min=60.8km az=123.0.
ISC X 02 17 41 41.0–1.6 22.6S–.10 171.34E–.09 57–12 4.1b,3.5s 43 4-166
IDC X 02 17 41 33.0–1.2 22.56S 171.45E 0 4.3,4.1b **¶11357323**
NOU X 02 17 41 38.1–1.6 20.06S 171.05E 30–0 3.1L,3.1
ISCJB X 02 17 41 39.9–1.6 22.7S–.10 171.29E–.09 63–13 4.1b,3.1
NEIC X 02 17 41 39.9–2.1 22.58S 171.40E 48–16 4.7b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=26.6km az=166.0.
NOU Error ellipse: s-maj=79.8km s-min=44.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=10.7km az=24.3.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=11.1km az=220.0.
ISC X 02 23 28 10.7–.90 23.00S–.02 169.86E–.02 16–5 5.6b,5.4s 690 3-170
BJI X 02 23 28 05.2 23.63S 170.17E 10 5.9b,5.5s **¶13395833**
NOU X 02 23 28 07.8–.89 23.65S 170.01E 30–0 5.9b,5.5s
ISCJB X 02 23 28 07.6–.83 23.05S–.03 169.84E–.02 7–5 5.6b,5.4s
LDG X 02 23 28 09.4–.10 22.07S 170.08E 10–0 5.7b,5.3s
NEIC X 02 23 28 09.1–.11 23.02S 169.86E 10 5.8b,5.8W
SZGRF X 02 23 28 10.3 23.91S 170.99E 33 5.5b,5.8W
MOS X 02 23 28 11.9–1.0 23.03S 169.79E 33 5.9b,5.4s
IDC X 02 23 28 13.2–.39 23.00S 169.89E 35–2 5.2,5.2b
GCMT X 02 23 28 16.0–.10 22.98S 169.78E 12 5.8W,5.2b
DJA X 02 23 28 30 23.38S 169.25E 159 5.7W,5.2b
ISC Event type ke.
NOU Error ellipse: s-maj=70.6km s-min=37.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=173.4.
LDG Event type ke. Error ellipse: s-maj=15.8km s-min=3.6km az=176.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.6km az=160.0. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.50 $M_{\theta\theta}$4.63 $M_{\phi\phi}$0.88 $M_{r\theta}$1.13 $M_{\theta\phi}$-2.37 $M_{\phi r}$1.81 Best double couple: NP1:ϕ_s134.00000°,δ47.00000°,λ-63.00000°. NP2:ϕ_s277.00000° ,δ49.00000°,λ-116.00000°. Principal axes: T 5.7800,Plg1.0000°,Azm25.0000° ; N 0.4800,Plg19.0000°,Azm294.0000°; P -6.2600,Plg70.0000°,Azm118.0000° M_o6.00000×10^{17}
SZGRF Southeast of Loyalty Islands.
MOS Error ellipse: s-maj=8.3km s-min=7.5km az=110.9.
IDC Error ellipse: s-maj=10.5km s-min=9.6km az=103.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=264, per= 50. Moment Tensor Solution. s105,c214; s80,c106; Moment tensor: Scale 10^{17}Nm; M_{rr}-5.04±.04 $M_{\theta\theta}$4.02±.04; $M_{\phi\phi}$1.02±.05; $M_{r\theta}$3.32±.12; $M_{\theta\phi}$-2.93±.04; $M_{\phi r}$-0.11±.13; Best double couple: NP1:ϕ_s138.00000°,δ33.00000°,λ-62.00000°. NP2:ϕ_s286.00000°,δ61.00000°,λ-107.00000°. Principal axes: T 6.5600,Plg14.0000°,Azm28.0000°; N -0.3300,Plg15.0000°,Azm294.0000° ; P -6.2300,Plg69.0000°,Azm160.0000° M_o6.40000×10^{17}
ISC X 03 00 25 28.6–.22 23.03S–.04 169.72E–.03 19 5.1b,4.8s 175 3-164
BJI X 03 00 25 23.7 23.29S 170.08E 10 5.5b,5.1b **¶11327825**
IDC X 03 00 25 24.7–.54 23.01S 169.85E 0 4.9,4.8
NEIC X 03 00 25 27.0–.17 23.01S 169.70E 10 5.2b,4.8s
NOU X 03 00 25 26.1–.55 24.52S 169.04E 30–0 3.8L,3.7
SZGRF X 03 00 25 26.7 23.90S 170.46E 27 3.8L,3.7
ISCJB X 03 00 25 26.5–.22 23.07S–.04 169.72E–.03 17 5.1b,4.8s
LDG X 03 00 25 28.0–.67 21.73S 169.90E 10–0 5.1b,4.8s
MOS X 03 00 25 29.8–1.4 23.01S 169.65E 33 5.3b,4.7s
GCMT X 03 00 25 30.9–.20 22.95S 169.64E 12 5.3W,4.7s
DJA X 03 00 25 36 23.20S 169.59E 72 5.2b,4.7s
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=15.6km az=102.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.4km az=155.0.
NOU Error ellipse: s-maj=19.4km s-min=24.2km az=-1.0.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=21.3.
LDG Event type ke. Error ellipse: s-maj=63.6km s-min=11.4km az=164.0.
MOS Error ellipse: s-maj=9.9km s-min=9.4km az=23.3.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=103, comp=181, per= 50. Moment Tensor Solution. s77,c119; s13,c13; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.25±.02 $M_{\theta\theta}$1.08±.02; $M_{\phi\phi}$0.17±.02; $M_{r\theta}$0.44±.05; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$0.15±.07; Best double couple: NP1:ϕ_s122.00000°,δ38.00000°,λ-71.00000°. NP2:ϕ_s278.00000°,δ54.00000°,λ-104.00000°. Principal axes: T 1.2800,Plg8.0000°,Azm19.0000°; N 0.0900,Plg12.0000°,Azm287.0000° ; P -1.3600,Plg76.0000°,Azm143.0000° M_o1.30000×10^{17}
ISC X 03 00 32 06.8–2.4 23.21S–.04 169.74E–.04 18–14 4.7b,4.6s 122 3-165
ISCJB X 03 00 32 04.5–2.0 23.19S–.04 169.77E–.04 14–12 4.7b,4.6s **¶11357325**
IDC X 03 00 32 04.0–.62 23.14S 169.72E 0 4.6,4.6
SZGRF X 03 00 32 05.3 23.48S 169.75E 33 4.6,4.6
NEIC X 03 00 32 05.7–.15 23.19S 169.72E 10 5.0b,4.6
MOS X 03 00 32 09.0–1.4 23.14S 169.51E 33 5.1b,4.6
GCMT X 03 00 32 11.2–.20 23.01S 169.81E 14–0 5.3W,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=43.0.
IDC Error ellipse: s-maj=19.6km s-min=16.5km az=89.0.
SZGRF Southeast of Loyalty Islands.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.8km az=200.0.
MOS Error ellipse: s-maj=13.0km s-min=11.4km az=33.3.
GCMT Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s50,c63; s98,c164; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.18±.05 $M_{\theta\theta}$0.88±.03; $M_{\phi\phi}$0.30±.03; $M_{r\theta}$0.13±.06; $M_{\theta\phi}$-0.49±.02; $M_{\phi r}$-0.18±.08; Best double couple: NP1:ϕ_s116.00000°,δ40.00000°,λ-96.00000°. NP2:ϕ_s304.00000°,δ50.00000°,λ-85.00000°. Principal axes: T 1.1700,Plg5.0000° ,Azm30.0000°; N 0.0300,Plg4.0000°,Azm121.0000°; P -1.2000,Plg84.0000°,Azm250.0000° M_o1.20000×10^{17}
ISC X 03 00 36 25.6–5.8 23.14S–.09 169.93E–.09 16–36 4.3b 44 12-152
IDC X 03 00 36 23.4–.69 23.10S 169.94E 0 4.4,4.4 **¶12065749**
NEIC X 03 00 36 24.9–.30 23.11S 169.91E 10 4.7b,4.4
ISCJB X 03 00 36 26.2–.42 23.17S–.08 169.94E–.08 33 4.3b,4.4
SZGRF X 03 00 36 31.2 21.73S 171.16E 33 4.3b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=19.6km az=140.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.2km az=211.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=9.1km az=135.1.
SZGRF Southeast of Loyalty Islands.
ISC X 03 00 43 00.3–.47 23.2S–.10 169.92E–.08 35 4.2b 30 3-152
IDC X 03 00 42 56.1–1.0 23.20S 169.81E 0 4.3,4.2 **¶12065750**
NEIC X 03 00 42 57.3–.44 23.15S 169.82E 10 4.5b,4.2
ISCJB X 03 00 42 58.0–.46 23.24S–.10 169.91E–.08 33 4.2b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 03 03 40 31.5–1.6 22.46S–.04 171.21E–.03 28–10 5.2b,5.0s 284 4-166
BJI X 03 03 40 26.5 22.36S 171.02E 6 5.3b,5.2s **¶11343958**
SZGRF X 03 03 40 26.2 23.58S 173.36E 33 5.2b,5.2s
IDC X 03 03 40 26.2–.53 22.52S 171.23E 0 4.9s,4.9
NOU X 03 03 40 27.8–1.3 21.92S 171.39E 30–0 3.6,2.5s
NEIC X 03 03 40 28.1–.20 22.36S 171.21E 10 5.6W,5.3b
ISCJB X 03 03 40 29.9–1.6 22.51S–.04 171.18E–.03 28–10 5.2b,5.0s
GCMT X 03 03 40 31.4–.10 22.52S 171.22E 12 5.5W,5.0s
MOS X 03 03 40 31.2–1.7 22.43S 171.13E 33 5.3b,5.1s
DJA X 03 03 40 51 22.60S 169.71E 99 5.4b,5.1s
ISC Event type se.
SZGRF Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=17.8km s-min=13.3km az=160.0.
NOU Error ellipse: s-maj=309.7km s-min=25.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=6.1km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.5km az=176.1.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=218, per= 50. Moment Tensor Solution. s85,c159; s36,c41; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.18±.02 $M_{\theta\theta}$-1.13±.03; $M_{\phi\phi}$2.30±.02; $M_{r\theta}$0.15±.06; $M_{\theta\phi}$1.09±.02; $M_{\phi r}$0.31±.06; Best double couple: NP1:ϕ_s331.00000°,δ77.00000°,λ-174.00000°. NP2:ϕ_s240.00000°,δ84.00000°,λ-13.00000°. Principal axes: T 2.6500,Plg5.0000°,Azm286.0000°; N -1.2000,Plg76.0000°,Azm37.0000° ; P -1.4600,Plg13.0000°,Azm195.0000° M_o2.10000×10^{17}
MOS Error ellipse: s-maj=11.5km s-min=9.5km az=158.6.
ISC X 03 09 41 33.0–1.0 23.3S–.20 169.8E–.10 35 3.6b 8 3-148
IDC X 03 09 41 30.2–3.2 22.29S 169.46E 0 3.8,3.6 **¶12065772**
ISCJB X 03 09 41 31.3–.99 23.3S–.20 169.8E–.10 33 3.6b,3.6
ISC X 05 06 14 39.6–.74 23.1S–.10 169.86E–.08 10 4.2b,3.6s 29 3-165
NOU X 05 06 14 31.0–1.1 22.96S 170.70E 30–0 3.4L,3.2 **¶11710832**
ISCJB X 05 06 14 37.8–.73 23.1S–.10 169.87E–.08 10 4.2b,3.6s
IDC X 05 06 14 38.0–1.1 23.05S 169.84E 0 4.2,4.1
NEIC X 05 06 14 39.4–.75 23.05S 169.86E 10 4.9b,4.1
ISC Event type se.
NOU Error ellipse: s-maj=994.4km s-min=240.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=9.4km az=13.9.
IDC Error ellipse: s-maj=36.0km s-min=23.5km az=147.0.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=13.9km az=169.0.
ISC X 06 03 13 40.2–.87 23.2S–.20 169.6E–.10 100 3.7b 10 3-151
IDC X 06 03 13 27.5–.94 23.16S 169.77E 0 4.1,3.9 **¶12066091**
ISCJB X 06 03 13 38.7–.89 23.1S–.20 169.5E–.20 100 3.7b,3.9
ISC X 08 02 08 09.1–3.0 22.4S–.10 171.29E–.04 34–21 4.4b,3.9s 51 4-167
IDC X 08 02 08 03.4–.68 22.44S 171.38E 0 4.5,4.4 **¶11369862**
LDG X 08 02 08 06.8–.27 21.32S 171.41E 10–0 5.0b,4.4
NOU X 08 02 08 06.6–1.2 21.25S 171.38E 30–0 3.0,2.0s
ISCJB X 08 02 08 07.1–3.0 22.5S–.10 171.25E–.05 31–21 4.4b,3.9s
NEIC X 08 02 08 08.5–2.6 22.46S 171.38E 33–18 4.7b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=18.6km az=155.0.
LDG Event type ke. Error ellipse: s-maj=25.3km s-min=4.3km az=160.0.
NOU Error ellipse: s-maj=138.9km s-min=36.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=18.3km s-min=7.2km az=0.9.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.6km az=171.0.
ISC X 11 21 53 38.8–2.6 21.1S–.60 169.9E–.30 136–20 3.6b 12 3-146
NOU X 11 21 53 36.1–.61 19.80S 169.48E 30–0 3.1L,2.9 **¶11711107**
IDC X 11 21 53 37.6–25 20.75S 169.64E 107–198 3.7,3.5b
NOU Error ellipse: s-maj=18.2km s-min=17.3km az=-1.0.
IDC Error ellipse: s-maj=191.0km s-min=54.2km az=131.0.
ISC X 22 19 35 55.0–2.8 23.27S–.09 170.82E–.06 32–20 4.4b,3.5s 55 4-149
NOU X 22 19 35 51.1–2.1 20.04S 170.68E 30–0 3.1L,3.1 **¶12070825**
ISCJB X 22 19 35 53.2–.51 23.27S–.09 170.83E–.05 33 4.4b,3.5s
NEIC X 22 19 35 56.3–3.0 23.27S 170.80E 47–23 4.6b,3.5s
IDC X 22 19 36 09.2–7.1 23.01S 170.32E 142–65 4.0,4.0
ISC Event type se.
NOU Error ellipse: s-maj=97.4km s-min=59.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=5.7km az=19.9.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=15.5km az=111.0.
IDC Error ellipse: s-maj=26.7km s-min=24.7km az=46.0.
ISC X 24 02 41 52.5–3.1 22.1S–.10 170.13E–.05 28–22 4.3b,3.9s 52 3-147
IDC X 24 02 41 47.5–.80 22.21S 170.26E 0 4.4,4.3 **¶11390990**
NOU X 24 02 41 48.9–.98 20.70S 170.08E 30–0 3.2,3.0L
ISCJB X 24 02 41 51.4–.55 22.1S–.10 170.13E–.04 33 4.3b,3.9s
NEIC X 24 02 41 53.1–.59 22.16S 170.20E 35 4.4b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=20.7km az=137.0.
NOU Error ellipse: s-maj=51.2km s-min=26.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=6.0km az=0.3.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.6km az=161.0.
ISC X 24 16 41 23.8–1.3 22.5S–.10 172.88E–.07 52–13 4.3b,4.0s 39 6-149
IDC X 24 16 41 18.5–1.1 22.63S 172.68E 0 4.3,4.2 **¶12071004**
ISCJB X 24 16 41 21.1–1.6 22.6S–.10 172.87E–.07 41–16 4.3b,4.0s
NEIC X 24 16 41 23.1–.54 22.60S 172.78E 35 4.8b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=23.8km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=10.0km az=171.2.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.6km az=153.0.
ISC X 25 07 21 21.6–1.7 22.26S–.04 170.65E–.03 19–10 5.0b,4.6s 236 3-169
IDC X 25 07 21 17.4–.44 22.23S 170.76E 0 4.8,4.8 **¶11362626**
NOU X 25 07 21 19.6–1.1 21.18S 170.76E 30–0 4.8L,3.3
ISCJB X 25 07 21 20.6–1.8 22.31S–.05 170.62E–.03 23–12 5.0b,4.6s
LDG X 25 07 21 20.8–.27 21.50S 170.71E 10–0 5.4b,4.8s
BJI X 25 07 21 22.9 21.87S 170.75E 30 5.2b,5.1s
MOS X 25 07 21 22.9–1.7 22.26S 170.54E 33 5.1b,5.1s
NEIC X 25 07 21 23.3–.20 22.22S 170.73E 35 5.1b,5.1s
GCMT X 25 07 21 26.6–.20 22.50S 170.52E 29–0 5.2W,5.1s
DJA X 25 07 21 32 23.01S 170.60E 112 5.1b,5.1s
ISC Event type ke.
IDC Error ellipse: s-maj=15.9km s-min=14.2km az=139.0.
NOU Error ellipse: s-maj=67.5km s-min=21.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.4km az=1.6.
LDG Event type ke. Error ellipse: s-maj=25.3km s-min=4.7km az=162.0.
MOS Error ellipse: s-maj=12.3km s-min=9.2km az=162.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=6.0km az=153.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s72,c108; s88,c141; Moment tensor: Scale 10^{16}Nm; M_{rr}6.43±.19 $M_{\theta\theta}$-6.12±.14; $M_{\phi\phi}$-0.32±.15; $M_{r\theta}$4.76±.22; $M_{\theta\phi}$2.59±.11; $M_{\phi r}$-0.61±.21; Best double couple: NP1:ϕ_s300.00000°,δ28.00000°,λ106.00000°. NP2:ϕ_s103.00000°,δ63.00000°,λ82.00000°. Principal axes: T 8.0400,Plg71.0000° ,Azm354.0000°; N 0.5300,Plg7.0000°,Azm106.0000°; P -8.5700,Plg17.0000°,Azm199.0000° M_o8.30000×10^{16}
ISC X 25 10 18 17.5–2.7 22.3S–.20 170.04E–.07 24–22 3.6b,3.5s 22 3-147
IDC X 25 10 18 12.9–3.6 22.07S 170.16E 0 4.0,3.9 **¶11711382**
NOU X 25 10 18 15.1–.70 20.62S 169.93E 30–0 3.0,3.9
ISCJB X 25 10 18 16.1–2.6 22.2S–.20 170.07E–.07 29–21 3.6b,3.5s
NEIC X 25 10 18 18.5–.90 22.21S 170.03E 35 3.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=114.3km s-min=35.8km az=139.0.
NOU Error ellipse: s-maj=35.2km s-min=18.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=38.8km s-min=9.0km az=172.6.
NEIC Event type se. Error ellipse: s-maj=43.2km s-min=11.5km az=161.0.
ISC X 28 10 52 44.5–4.0 22.7S–.40 170.63E–.07 26–30 3.9b,3.5s 13 4-147
IDC X 28 10 52 39.4–3.1 22.92S 170.83E 0 4.1,3.9 **¶11711455**
NOU X 28 10 52 42.9–1.3 22.24S 170.91E 30–0 3.6L,2.8
ISCJB X 28 10 52 43.9–2.6 22.8S–.30 170.6E–.10 34–20 3.9b,3.5s
ISC XI 05 13 45 46.5–1.3 22.0S–.30 171.05E–.09 99–9 4.0b 35 4-90
IDC XI 05 13 45 33.2–2.2 21.99S 171.27E 0 4.3,4.1 **¶12072411**
ISCJB XI 05 13 45 45.1–1.4 22.0S–.30 171.05E–.09 100–10 4.0b,4.1
NOU XI 05 13 45 45.2–1.0 19.94S 170.56E 10–0 3.8L,2.9

NEIC XI 05 13 45 46.3–1.9 22.07S 171.13E 104–14 4.1b,2.9
ISC Event type se.
IDC Error ellipse: s-maj=86.5km s-min=28.8km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=43.2km s-min=9.7km az=165.6.
NOU Error ellipse: s-maj=44.9km s-min=29.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=61.7km s-min=12.4km az=159.0.
ISC XI 06 03 33 23.7–1.8 21.5S–.10 170.4E–.10 120–13 4.1b 35 3-153
ISCJB XI 06 03 33 22.8–1.9 21.6S–.10 170.4E–.10 129–14 4.0b **¶12072493**
IDC XI 06 03 33 22.5–8.7 21.50S 170.45E 110–76 4.1L,4.1
NEIC XI 06 03 33 23.5–2.2 21.45S 170.44E 122–18 4.0b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=14.8km az=34.1.
IDC Error ellipse: s-maj=36.5km s-min=28.9km az=29.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=14.4km az=218.0.
ISC XI 10 14 29 00.5–3.2 23.2S–.30 171.4E–.20 43–27 3.8b 17 5-149
IDC XI 10 14 28 53.4–1.2 23.37S 171.58E 0 4.1,3.9 **¶12073074**
NOU XI 10 14 28 56.2–.30 20.13S 171.35E 10–0 3.8L,3.2
ISCJB XI 10 14 28 58.9–3.4 23.3S–.30 171.3E–.20 45–27 3.8b,3.2
NEIC XI 10 14 28 58.8–.88 23.25S 171.50E 35 3.5b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=52.4km s-min=27.9km az=157.0.
NOU Error ellipse: s-maj=88.0km s-min=33.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=43.7km s-min=23.6km az=0.8.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=16.5km az=176.0.
ISC XI 14 22 53 00.6–.60 21.63S–.04 170.57E–.04 152–4 5.4b 234 3-166
SZGRF XI 14 22 52 38.1 22.22S 172.39E 198 5.4b **¶12923036**
DJA XI 14 22 52 44 21.61S 170.88E 10 5.8b
NOU XI 14 22 52 54.9–1.3 20.50S 170.75E 10–0 4.0L,3.6
ISCJB XI 14 22 52 59.8–.65 21.63S–.04 170.54E–.04 159–5 5.4b,3.6
MOS XI 14 22 53 00.8–1.3 21.60S 170.47E 161 5.2b,4.1s
IDC XI 14 22 53 00.3–.82 21.63S 170.63E 154–6 5.2,5.2
NEIC XI 14 22 53 00.9–.18 21.63S 170.56E 157 5.5b,5.2
BJI XI 14 22 53 00.8 21.60S 170.50E 164 5.2b,5.1b
LDG XI 14 22 53 00.0–.24 21.02S 170.50E 140–0 5.6b,4.1s
BGS XI 14 22 53 02.8–4.5 21.63S 170.56E 157–0 5.5b,4.1s
GCMT XI 14 22 53 02.5–.10 21.62S 170.55E 149–1 5.3W,4.1s
ISC Event type ke.
SZGRF Southeast of Loyalty Islands.
NOU Error ellipse: s-maj=65.9km s-min=31.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.6km az=156.9.
MOS Error ellipse: s-maj=10.7km s-min=8.8km az=37.0.
IDC Error ellipse: s-maj=11.8km s-min=10.3km az=130.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.8km az=121.0.
LDG Event type ke. Error ellipse: s-maj=23.4km s-min=4.6km az=155.0.
BGS Error ellipse: s-maj=302.7km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 97, comp=174, per= 50. Moment Tensor Solution. s83,c129; s11,c11; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s96.00000°,δ53.00000° ,λ13.00000°. NP2:ϕ_s358.00000°,δ80.00000°,λ142.00000°. Principal axes: T 1.2900,Plg34.0000°,Azm310.0000°; N -0.1400,Plg51.0000°,Azm165.0000° ; P -1.1500,Plg17.0000°,Azm52.0000° $M_0$1.20000×10^{17}
ISC XI 17 06 49 03.1–1.3 23.0S–.30 170.9E–.10 35 3.8b 15 4-149
ISCJB XI 17 06 49 01.6–1.3 23.0S–.30 170.8E–.10 33 3.8b **¶12073829**
IDC XI 17 06 49 03.5–4.9 21.47S 170.18E 0 4.0,3.8
NEIC XI 17 06 49 03.9–1.8 22.61S 170.90E 35 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=44.9km s-min=8.9km az=18.9.
IDC Error ellipse: s-maj=169.7km s-min=41.5km az=146.0.
NEIC Event type se. Error ellipse: s-maj=68.0km s-min=23.7km az=166.0.
ISC XI 19 04 24 50.8–4.2 21.8S–.20 169.46E–.07 17–26 4.0b,3.6s 23 2-147
IDC XI 19 04 24 47.0–2.0 22.21S 169.77E 0 4.2,3.9 **¶11711866**
NOU XI 19 04 24 46.0–.97 22.35S 169.91E 30–0 3.0,2.1L
ISCJB XI 19 04 24 49.3–4.5 21.8S–.20 169.47E–.08 17–31 4.0b,3.6s
NEIC XI 19 04 24 53.1–1.2 21.93S 169.52E 35 4.1b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=95.7km s-min=24.1km az=155.0.
NOU Error ellipse: s-maj=130.2km s-min=11.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=36.7km s-min=10.9km az=171.3.
NEIC Event type se. Error ellipse: s-maj=56.6km s-min=16.5km az=158.0.
ISC XI 20 06 42 40.1–.58 22.3S–.10 170.14E–.06 35 4.1b,3.5s 31 3-148
IDC XI 20 06 42 34.2–.96 22.03S 170.41E 0 4.3,4.1 **¶12074239**
ISCJB XI 20 06 42 38.0–.56 22.2S–.10 170.16E–.05 33 4.1b,3.5s
NEIC XI 20 06 42 41.5–1.4 22.07S 170.12E 48–14 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=25.5km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=6.9km az=0.6.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=11.2km az=166.0.
ISC XI 22 16 01 39.2–.49 22.51S–.02 171.22E–.02 46–4 6.6s,5.7b 749 4-167
LDG XI 22 16 01 33.9–.21 22.31S 171.56E 10–0 6.6s,6.1b **¶11473211**
MOS XI 22 16 01 35.4–1.1 22.50S 171.28E 33 6.6s,6.0b
SZGRF XI 22 16 01 36.4 21.45S 170.58E 33 6.6s,6.0b
ISCJB XI 22 16 01 37.7–.61 22.51S–.02 171.16E–.02 46–5 6.6s,5.7b
IDC XI 22 16 01 37.9–1.7 22.49S 171.32E 42–15 6.4,6.3s
NOU XI 22 16 01 37.3–1.3 20.78S 171.16E 30–0 5.0L,3.3
NEIC XI 22 16 01 39.4–.75 22.52S 171.20E 57–6 6.4W,5.7b
BJI XI 22 16 01 39.6 22.50S 171.20E 59 6.8s,6.5
GCMT XI 22 16 01 43.1–.10 22.52S 171.11E 47–0 6.4W,6.5
DJA XI 22 16 01 48 22.63S 171.00E 117 6.5W,6.5
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=30.3km s-min=7.1km az=179.0.
MOS Error ellipse: s-maj=8.4km s-min=7.7km az=52.4.
SZGRF Southeast of Loyalty Islands.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=34.9.
IDC Error ellipse: s-maj=11.7km s-min=8.6km az=164.0.
NOU Error ellipse: s-maj=85.3km s-min=33.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.2km az=160.0. Moment Tensor Solution. $M_0$2.20000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=120, comp=263, per= 50. Moment Tensor Solution. s115,c244; s90,c139; Moment tensor: Scale 10^{18}Nm; M_{rr}-1.54±.04 $M_{\theta\theta}$1.49±.03; $M_{\phi\phi}$0.05±.03; $M_{r\theta}$4.73±.08; $M_{\theta\phi}$0.82±.03; $M_{\phi r}$0.52±.03; Best double couple: NP1: ϕ_s46.00000°,δ12.00000°,λ-127.00000°. NP2:ϕ_s263.00000°,δ81.00000°,λ-83.00000°. Principal axes: T 5.1300,Plg35.0000°,Azm347.0000°; N -0.1300,Plg7.0000°,Azm82.0000° ; P -4.9900,Plg54.0000°,Azm181.0000° $M_0$5.10000×10^{18}
ISC XI 22 16 09 47.6–2.2 22.43S–.09 171.2E–.10 44–18 4.8b 41 4-166
IDC XI 22 16 09 40.7–.75 22.43S 171.43E 0 4.8,4.6b **¶12074511**
ISCJB XI 22 16 09 46.1–2.4 22.48S–.09 171.2E–.10 50–19 4.8b,4.6b
NEIC XI 22 16 09 46.2–2.6 22.39S 171.33E 37–22 5.3b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=18.1km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=13.6km az=145.3.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.2km az=72.0.
ISC XI 22 16 39 14.1–2.0 21.4S–.20 171.0E–.10 51–16 4.2b 27 4-89
IDC XI 22 16 39 06.5–2.2 21.64S 171.03E 0 4.4,4.2b **¶11711915**
NOU XI 22 16 39 09.5–1.3 20.38S 171.09E 30–0 3.6s,3.2
ISCJB XI 22 16 39 13.0–2.0 21.4S–.20 171.0E–.10 56–16 4.2b,3.2
NEIC XI 22 16 39 15.1–3.6 21.31S 170.93E 57–30 4.2b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=84.7km s-min=33.2km az=163.0.
NOU Error ellipse: s-maj=75.4km s-min=35.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=36.6km s-min=14.9km az=169.9.
NEIC Event type se. Error ellipse: s-maj=32.6km s-min=25.9km az=178.0.
ISC XI 22 17 22 35.2–.81 22.44S–.04 171.15E–.04 48–6 5.5b,5.3s 279 4-166
BJI XI 22 17 22 31.1 22.44S 171.96E 56 5.6s,5.6b **¶11473220**
LDG XI 22 17 22 31.2–.54 21.10S 171.28E 10–0 5.3b,5.6b
MOS XI 22 17 22 32.0–1.7 22.46S 171.12E 33 5.3b,5.1s
NOU XI 22 17 22 32.0–1.7 20.20S 170.90E 30–0 4.2L,3.4
IDC XI 22 17 22 33.5–1.9 22.55S 171.34E 40–14 5.2L,5.1s
ISCJB XI 22 17 22 34.3–.81 22.48S–.04 171.09E–.03 55–6 5.5b,5.3s
NEIC XI 22 17 22 36.3–1.3 22.44S 171.24E 69–10 5.5b,5.3s
DJA XI 22 17 22 37 22.58S 171.32E 78 5.6b,5.3s
GCMT XI 22 17 22 37.5–.30 22.53S 171.28E 42–1 5.7W,5.3s

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=48.9km s-min=8.5km az=157.0.
MOS Error ellipse: s-maj=10.1km s-min=9.1km az=11.0.
NOU Error ellipse: s-maj=99.7km s-min=53.2km az=-1.0.
IDC Error ellipse: s-maj=17.2km s-min=16.5km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.1km az=16.2.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=7.0km az=221.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s36,c45; s78,c105; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.46±.24 $M_{\theta\theta}$2.12±.17; $M_{\phi\phi}$0.34±.18; $M_{r\theta}$1.93±.14; $M_{\theta\phi}$2.30±.08; $M_{\phi r}$-0.55±.12; Best double couple: NP1:ϕ_s26.00000°,δ42.00000°,λ-139.00000°. NP2:ϕ_s263.00000°,δ64.00000°,λ-55.00000°. Principal axes: T 3.9700,Plg12.0000° ,Azm329.0000°; N -0.3000,Plg31.0000°,Azm66.0000°; P -3.6700,Plg57.0000° ,Azm220.0000° $M_0$3.80000×10^{17}
ISC XI 22 17 39 47.7–.45 21.85S–.07 170.25E–.04 35 4.3b 57 3-151
IDC XI 22 17 39 41.8–1.0 21.89S 170.44E 0 4.3,4.2b **¶11711917**
NOU XI 22 17 39 44.0–1.1 20.97S 170.31E 30–0 3.4L,3.4
ISCJB XI 22 17 39 45.4–.43 21.87S–.07 170.27E–.04 33 4.3b,3.4
NEIC XI 22 17 39 46.2–3.2 21.81S 170.33E 27–23 4.5b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=24.3km az=95.0.
NOU Error ellipse: s-maj=65.3km s-min=25.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.1km az=176.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=10.4km az=215.0.
ISC XI 22 18 35 07.8–.95 22.60S–.06 171.05E–.05 49–8 5.1s,4.7b 86 4-151
IDC XI 22 18 35 00.3–.69 22.31S 171.18E 0 4.6,4.5 **¶11473222**
NOU XI 22 18 35 04.9–1.4 20.82S 171.07E 30–0 3.9L,3.0
ISCJB XI 22 18 35 05.8–1.1 22.63S–.06 171.05E–.05 48–9 5.1s,4.7b
BJI XI 22 18 35 06.1 22.60S 171.00E 35 5.5b,5.3s
NEIC XI 22 18 35 08.5–1.1 22.52S 171.04E 61–9 4.8b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=18.0km az=142.0.
NOU Error ellipse: s-maj=87.6km s-min=32.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.6km az=0.2.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.4km az=163.0.
ISC XI 22 19 43 58.8–1.8 21.1S–.10 169.9E–.10 105–12 4.2b 44 3-165
IDC XI 22 19 43 45.2–1.0 20.89S 170.09E 0 4.4,4.2b **¶11711921**
ISCJB XI 22 19 43 57.9–1.9 21.2S–.10 169.9E–.10 112–13 4.2b,4.2b
NOU XI 22 19 43 57.7–1.3 20.18S 169.60E 30–0 3.9L,2.7
NEIC XI 22 19 43 58.7–2.2 20.98S 169.87E 106–16 4.4b,2.7
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=24.0km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=16.6km az=14.7.
NOU Error ellipse: s-maj=40.8km s-min=31.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=14.5km az=219.0.
ISC XI 23 08 58 19.1–.64 22.45S–.03 171.30E–.03 44–5 5.3b,5.2s 267 4-167
IDC XI 23 08 58 17.0–2.0 22.42S 171.39E 34–13 5.0,5.0s **¶11473256**
MOS XI 23 08 58 16.3–1.1 22.42S 171.23E 33 5.4b,5.1s
BJI XI 23 08 58 16.5 22.31S 171.82E 49 5.3s,5.2b
ISCJB XI 23 08 58 17.6–.71 22.48S–.03 171.26E–.03 46–6 5.3b,5.2s
LDG XI 23 08 58 17.6–.41 20.45S 171.05E 10–0 5.5b,5.0s
NOU XI 23 08 58 17.1–.78 19.61S 170.61E 30–0 4.2L,3.6
NEIC XI 23 08 58 18.1–.18 22.43S 171.32E 40 5.5W,5.3b
DJA XI 23 08 58 19 22.55S 171.41E 48 5.5b,5.3b
GCMT XI 23 08 58 21.8–.10 22.51S 171.24E 47–1 5.6W,5.3b
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=13.2km az=109.0.
MOS Error ellipse: s-maj=10.1km s-min=9.1km az=136.5.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=36.1.
LDG Event type ke. Error ellipse: s-maj=44.4km s-min=4.1km az=150.0.
NOU Error ellipse: s-maj=35.2km s-min=26.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=5.0km az=134.0. Moment Tensor Solution. s45 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$0.55 $M_{r\theta}$1.76 $M_{\theta\phi}$1.77 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s261.00000°,δ87.00000°,λ-45.00000°. NP2:ϕ_s353.00000° ,δ46.00000°,λ-176.00000°. Principal axes: T 2.6200,Plg27.0000°,Azm316.0000° ; N -0.1200,Plg45.0000°,Azm78.0000°; P -2.5000,Plg31.0000°,Azm207.0000° $M_0$2.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 99, comp=192, per= 50. Moment Tensor Solution. s81,c156; s23,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.31±.04 $M_{\theta\theta}$-0.50±.04; $M_{\phi\phi}$0.81±.04; $M_{r\theta}$2.43±.06; $M_{\theta\phi}$1.57±.03; $M_{\phi r}$0.33±.04; Best double couple: NP1:ϕ_s353.00000°,δ35.00000°,λ-174.00000°. NP2:ϕ_s257.00000°,δ86.00000°,λ-55.00000°. Principal axes: T 2.9200,Plg32.0000°,Azm319.0000°; N 0.1500,Plg35.0000°,Azm75.0000° ; P -3.0700,Plg39.0000°,Azm198.0000° $M_0$3.00000×10^{17}
ISC XI 23 09 12 06.1–.97 22.60S–.06 171.23E–.05 60–8 4.7b 74 4-166
NOU XI 23 09 12 02.6–.62 19.19S 170.27E 30–0 3.7L,3.5 **¶11473258**
ISCJB XI 23 09 12 04.2–1.1 22.62S–.06 171.22E–.06 60–9 4.7b,3.5
NEIC XI 23 09 12 06.3–.41 22.53S 171.26E 64 4.8b,3.5
BJI XI 23 09 12 08.9 22.50S 171.30E 89 5.1s,5.0b
IDC XI 23 09 12 09.2–5.7 22.58S 171.27E 91–48 4.4,4.2
ISC Event type se.
NOU Error ellipse: s-maj=56.1km s-min=53.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=7.9km az=24.4.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.2km az=54.0.
IDC Error ellipse: s-maj=24.1km s-min=14.4km az=55.0.
ISC XI 24 10 28 59.0–2.0 22.7S–.50 171.2E–.20 35 3.9b 13 4-34
NOU XI 24 10 28 57.2–.89 20.23S 170.91E 30–0 4.4L,3.3 **¶11711952**
IDC XI 24 10 28 57.2–79 22.21S 170.55E 0 4.1,4.0b
NOU Error ellipse: s-maj=46.5km s-min=24.8km az=-1.0.
IDC Error ellipse: s-maj=1335.0km s-min=129.9km az=80.0.
ISC XI 24 14 11 53.4–.89 22.2S–.20 169.7E–.10 35 4.0b 24 3-147
IDC XI 24 14 11 48.5–2.0 22.07S 169.69E 0 4.2,4.0b **¶12074690**
ISCJB XI 24 14 11 51.6–.87 22.3S–.20 169.6E–.10 33 4.0b,4.0b
NEIC XI 24 14 11 53.4–.77 22.24S 169.63E 35 4.0b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=81.0km s-min=24.2km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=24.3km s-min=15.8km az=170.9.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=14.6km az=168.0.
ISC XI 25 00 12 47.6–2.3 23.0S–.20 171.2E–.10 41–18 3.7b,3.3s 24 4-166
IDC XI 25 00 12 40.3–2.2 22.99S 171.50E 0 4.1,3.9 **¶12074748**
NEIC XI 25 00 12 45.5–.67 23.10S 171.47E 35 3.5b,3.9
ISCJB XI 25 00 12 46.6–2.3 23.1S–.20 171.2E–.10 45–18 3.7b,3.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 25 18 35 58.4–4.0 22.6S–.30 171.25E–.10 33–29 3.8b 18 4-148
NOU XI 25 18 35 54.5–1.4 19.67S 170.84E 30–0 3.5L,3.2 **¶11711968**
IDC XI 25 18 35 57.0–5.2 21.54S 170.68E 0 4.0,3.7b
NEIC XI 25 18 35 58.1–1.2 22.57S 171.33E 35 3.8b,3.7b
ISC Event type se.
NOU Error ellipse: s-maj=82.2km s-min=56.4km az=-1.0.
IDC Error ellipse: s-maj=197.5km s-min=50.0km az=149.0.
NEIC Event type se. Error ellipse: s-maj=33.8km s-min=20.5km az=202.0.
ISC XI 27 11 43 48.3–3.7 22.4S–.20 170.25E–.08 18–26 3.8b 27 3-148
ISCJB XI 27 11 43 46.3–3.3 22.4S–.20 170.27E–.07 20–26 3.8b **¶11711986**
IDC XI 27 11 43 46.8–3.2 22.24S 170.10E 0 4.1,3.9b
NOU XI 27 11 43 46.7–1.1 20.61S 170.14E 30–0 3.1L,3.1
NEIC XI 27 11 43 50.4–.79 22.47S 170.29E 35 3.1L,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.9km s-min=8.3km az=9.2.
IDC Error ellipse: s-maj=88.7km s-min=33.5km az=137.0.
NOU Error ellipse: s-maj=57.9km s-min=32.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=11.9km az=16.0.
ISC XI 30 09 34 24.4–1.4 22.36S–.09 171.41E–.07 42–12 4.5b,4.0s 59 4-167
IDC XI 30 09 34 17.8–.77 22.36S 171.47E 0 4.5,4.4 **¶11653357**
ISCJB XI 30 09 34 22.9–1.6 22.40S–.08 171.37E–.07 42–13 4.5b,4.0s
NOU XI 30 09 34 23.2–.90 19.72S 170.77E 30–0 4.1L,4.0s
NEIC XI 30 09 34 27.6–1.2 22.50S 171.36E 74–12 4.3b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=19.2km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=9.7km az=30.0.
NOU Error ellipse: s-maj=60.9km s-min=44.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.9km az=172.0.

ISC XI 30 14 11 01.9–1.2 22.3S–.10 170.53E–.07 47–11 4.1b,3.5s 37 3-148
NOU XI 30 14 10 53.5–1.1 20.45S 170.67E 30–0 3.2,2.9L ¶11712038
IDC XI 30 14 10 54.9–1.2 22.32S 170.50E 0 4.2,4.0
ISCJB XI 30 14 10 59.4–1.4 22.3S–.10 170.57E–.06 39–12 4.1b,3.5s
NEIC XI 30 14 11 02.3–1.7 22.26S 170.47E 51–15 4.1b,3.5s
ISC Event type se.
NOU Error ellipse: s-maj=59.8km s-min=31.7km az=-1.0.
IDC Error ellipse: s-maj=39.9km s-min=27.4km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=9.1km az=170.1.
NEIC Event type se. Error ellipse: s-maj=31.3km s-min=12.4km az=161.0.
ISC XII 10 16 05 34.8–3.8 22.9S–.30 171.49E–.09 28–26 4.2b 22 5-149
IDC XII 10 16 05 30.1–2.8 22.97S 171.55E 0 4.4,4.3s ¶12076768
ISCJB XII 10 16 05 32.3–3.7 22.8S–.30 171.48E–.09 23–24 4.2b,4.3s
NEIC XII 10 16 05 35.4–1.2 22.89S 171.52E 35 4.4b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=136.6km s-min=27.5km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=45.0km s-min=11.0km az=169.9.
NEIC Event type se. Error ellipse: s-maj=47.4km s-min=10.3km az=160.0.
ISC XII 15 02 50 21.6–2.6 21.1S–.60 169.1E–.30 58–27 4.0b,3.3s 13 2-90
IDC XII 15 02 50 20.1–1.5 19.48S 168.84E 38–7 4.2,4.0 ¶11593835
NOU XII 15 02 50 22.5–.78 20.30S 168.46E 30–0 3.6L,2.5
IDC Error ellipse: s-maj=83.2km s-min=20.8km az=158.0.
NOU Error ellipse: s-maj=16.3km s-min=20.3km az=-1.0.
ISC XII 17 11 19 32.3–4.0 22.5S–.20 170.47E–.09 22–28 3.9b 20 3-148
IDC XII 17 11 19 28.2–1.5 22.52S 170.64E 0 4.0,3.9b ¶12077912
ISCJB XII 17 11 19 31.6–3.8 22.6S–.20 170.45E–.09 28–27 3.9b,3.9b
NEIC XII 17 11 19 33.6–1.1 22.52S 170.56E 35 4.5b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=31.5km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=39.3km s-min=11.5km az=13.9.
NEIC Event type se. Error ellipse: s-maj=30.7km s-min=20.9km az=202.0.
ISC XII 19 17 29 02.2–.93 21.9S–.10 170.64E–.07 151–9 3.8b 28 4-147
NOU XII 19 17 28 57.3–.61 19.68S 170.31E 30–0 2.9,2.4L ¶12078230
NEIC XII 19 17 29 01.8–1.1 21.86S 170.61E 147–12 4.5b,2.4L
ISCJB XII 19 17 29 02.6–1.5 21.9S–.10 170.5E–.10 169–12 3.8b,2.4L
IDC XII 19 17 29 05.0–3.0 21.92S 170.37E 171–23 3.7,3.6
ISC Event type se.
NOU Error ellipse: s-maj=27.8km s-min=20.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=11.6km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=15.7km az=33.5.
IDC Error ellipse: s-maj=31.0km s-min=23.2km az=40.0.
IDC XII 20 10 00 11.7–7.4 21.48S 170.40E 146–42 3.3,3.1b
NOU XII 20 10 00 08.6–.53 20.35S 170.50E 30–0 3.0,2.4L ¶12078309
IDC Error ellipse: s-maj=171.0km s-min=52.9km az=158.0.
NOU Error ellipse: s-maj=32.0km s-min=18.8km az=-1.0.
ISC XII 28 22 07 27.7–2.4 22.46S–.05 173.77E–.04 29–17 4.8s,4.6b 82 6-168
ISCJB XII 28 22 07 25.8–2.3 22.47S–.05 173.69E–.05 26–16 4.8s,4.6b ¶11521291
NEIC XII 28 22 07 29.7–.99 22.37S 173.78E 49–9 4.9b,4.6b
GCMT XII 28 22 07 30.9–.20 22.48S 173.70E 29–1 5.2W,4.6b
BJI XII 28 22 07 31.5 21.75S 173.70E 46 5.3s,5.3b
IDC XII 28 22 07 32.0–5.8 22.54S 173.62E 65–52 4.6,4.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=7.3km az=18.4.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.5km az=86.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s58,c90; s63,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}4.93±.22 $M_{\theta\theta}$-5.48±.15; $M_{\phi\phi}$0.55±.15; $M_{r\theta}$4.50±.27; $M_{\theta\phi}$-0.85±.13; $M_{\phi r}$0.96±.27; Best double couple: NP1:ϕ_s266.00000°,δ25.00000°,λ96.00000°. NP2:ϕ_s79.00000°,δ66.00000°,λ87.00000°. Principal axes: T 6.6700,Plg69.0000° ,Azm344.0000°; N 0.6500,Plg3.0000°,Azm80.0000°; P -7.3200,Plg21.0000°,Azm171.0000° M_o7.00000×10^{16}
IDC Error ellipse: s-maj=23.2km s-min=20.6km az=52.0.

SEISMIC REGION 15.
Bismarck and Solomon Islands.

(190) New Ireland region.

IDC VII 07 19 17 02.6–4.3 3.93S 151.91E 0 3.8,3.7b
¶12698070
IDC Error ellipse: s-maj=133.5km s-min=28.9km az=109.0.
ISC VII 20 21 13 39.6–1.1 3.80S–.03 150.91E–.04 30–7 5.1s,5.0b 209 7-156
IDC VII 20 21 13 34.7–.63 3.82S 150.89E 0 5.0,5.0s ¶11134007
ISCJB VII 20 21 13 35.0–.97 3.75S–.03 150.92E–.04 10–5 5.1s,5.0b
BJI VII 20 21 13 36.4 3.54S 151.32E 22 5.4s,5.2b
NEIC VII 20 21 13 36.3–.20 3.79S 150.90E 10 5.5W,5.3b
MOS VII 20 21 13 38.1–1.1 3.78S 150.88E 33 5.4b,5.0s
GCMT VII 20 21 13 39.8–.10 3.80S 150.98E 12 5.5W,5.0s
DJA VII 20 21 13 52 4.06S 150.67E 140 5.2b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=14.1km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.8km az=8.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=107.0. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}0.48 $M_{\theta\theta}$1.49 $M_{\phi\phi}$-1.97 $M_{r\theta}$0.21 $M_{\theta\phi}$0.63 $M_{\phi r}$0.11 Best double couple: NP1:ϕ_s125.00000°,δ81.00000°,λ7.00000°. NP2:ϕ_s34.00000°,δ83.00000° ,λ171.00000°. Principal axes: T 1.6500,Plg11.0000°,Azm349.0000°; N 0.4400,Plg78.0000° ,Azm178.0000°; P -2.0800,Plg1.0000°,Azm80.0000° M_o1.90000×10^{17}
MOS Error ellipse: s-maj=12.6km s-min=7.0km az=90.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 98, comp=189, per= 50. Moment Tensor Solution. s89,c151; s22,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.18±.03 $M_{\theta\theta}$2.48±.03; $M_{\phi\phi}$-2.30±.03; $M_{r\theta}$-0.14±.07; $M_{\theta\phi}$0.32±.03; $M_{\phi r}$0.10±.08; Best double couple: NP1:ϕ_s221.00000°,δ86.00000°,λ-180.00000°. NP2:ϕ_s131.00000°,δ90.00000°,λ-4.00000°. Principal axes: T 2.5100,Plg3.0000°,Azm176.0000°; N -0.1800,Plg86.0000°,Azm310.0000° ; P -2.3300,Plg3.0000°,Azm86.0000° M_o2.40000×10^{17}
IDC VII 20 21 17 12.3–1.9 3.68S 150.57E 0 4.9,4.8s
¶12698357
IDC Error ellipse: s-maj=76.7km s-min=28.4km az=115.0.
ISC VII 20 22 13 31.9–8.8 4.0S–.10 151.2E–.10 17–56 3.9b,3.9s 27 10-149
ISCJB VII 20 22 13 29.4–.48 3.99S–.07 151.24E–.10 14 3.9b,3.9s ¶11812214
IDC VII 20 22 13 31.2–2.0 3.96S 151.17E 11–5 4.0,3.9s
NEIC VII 20 22 13 32.5–3.8 3.96S 151.19E 21–28 4.3b,3.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=9.8km az=8.8.
IDC Error ellipse: s-maj=62.7km s-min=23.6km az=122.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.7km az=131.0.
ISC VII 21 11 37 58.0–2.2 5.42S–.08 153.1E–.10 37–20 4.6b 34 7-151
IDC VII 21 11 37 52.8–.61 5.39S 153.04E 0 4.7,4.7 ¶11812259
ISCJB VII 21 11 37 56.0–.45 5.40S–.07 153.0E–.10 33 4.6b,4.7
NEIC VII 21 11 37 56.8–3.8 5.37S 153.06E 27–26 4.9b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=15.8km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=7.9km az=26.5.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=9.2km az=90.0.
ISC VII 21 16 09 04.2–1.0 3.5S–.10 151.2E–.30 35 3.8s,3.8b 10 7-148
IDC VII 21 16 08 59.2–1.3 3.42S 151.13E 0 4.2L,4.0 ¶11812279
NEIC VII 21 16 09 00.8–.96 3.43S 151.19E 10 3.7b,4.0
ISCJB VII 21 16 09 02.1–1.1 3.5S–.10 151.2E–.30 33 3.8s,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 22 07 07 28.4–2.0 3.77S 151.48E 0 3.8,3.6
¶12698378
IDC Error ellipse: s-maj=86.3km s-min=31.6km az=118.0.
IDC VII 23 01 44 55.9–3.4 5.09S 153.06E 0 4.0,3.9
¶12698394
IDC Error ellipse: s-maj=123.6km s-min=77.7km az=146.0.
ISC VII 29 18 54 40.7–.79 2.72S–.03 152.60E–.03 47–7 5.5b,4.9s 337 9-157
BJI VII 29 18 54 32.8 2.44S 152.92E 7 5.4b,5.3b ¶11153939
IDC VII 29 18 54 33.7–.41 2.71S 152.47E 0 5.3L,5.2
NEIC VII 29 18 54 35.2–.16 2.67S 152.66E 10 5.5b,5.2W
ISCJB VII 29 18 54 37.6–.93 2.74S–.03 152.61E–.03 37–8 5.5b,4.9s
MOS VII 29 18 54 38.4–.95 2.55S 152.55E 33 5.5b,5.0s
GCMT VII 29 18 54 42.0–.20 2.65S 152.71E 31–0 5.3W,5.0s
DJA VII 29 18 54 46 2.81S 152.53E 97 5.7W,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=12.0km az=73.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.8km az=96.0. Moment Tensor Solution. s18 Moment tensor: Scale 10^{16}Nm; M_{rr}2.84 $M_{\theta\theta}$0.65 $M_{\phi\phi}$-3.50 $M_{r\theta}$0.68 $M_{\theta\phi}$-1.67 $M_{\phi r}$6.10 Best double couple: NP1:ϕ_s7.00000°,δ76.00000°,λ81.00000°. NP2:ϕ_s220.00000°,δ17.00000° ,λ122.00000°. Principal axes: T 6.5600,Plg58.0000°,Azm264.0000°; N 1.0200,Plg8.0000° ,Azm8.0000°; P -7.5900,Plg30.0000°,Azm104.0000° M_o7.10000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=5.3km az=179.2.
MOS Error ellipse: s-maj=10.7km s-min=6.4km az=106.8.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s69,c106; s89,c148; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s147.00000°,δ19.00000°,λ73.00000°. NP2:ϕ_s345.00000° ,δ71.00000°,λ96.00000°. Principal axes: T 1.2600,Plg63.0000°,Azm265.0000° ; N -0.1200,Plg6.0000°,Azm163.0000°; P -1.1400,Plg26.0000°,Azm71.0000° M_o1.20000×10^{17}
IDC VII 30 22 50 20.1–2.1 3.97S 152.60E 0 3.9,3.7
¶12698501
IDC Error ellipse: s-maj=71.8km s-min=35.5km az=123.0.
ISC VIII 08 00 13 43.3–2.3 3.97S–.07 151.8E–.10 68–21 4.3b 45 7-121
BJI VIII 08 00 13 38.4 3.60S 152.07E 26 5.1b,4.8b ¶11652840
ISCJB VIII 08 00 13 39.4–2.9 3.90S–.07 151.8E–.10 46–26 4.5b,4.1s
NEIC VIII 08 00 13 43.9–1.7 3.97S 151.73E 74–15 4.6b,4.1s
IDC VIII 08 00 13 43.0–8.3 3.94S 151.80E 65–79 4.1,4.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=12.2km az=169.7.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.9km az=76.0.
IDC Error ellipse: s-maj=41.5km s-min=23.3km az=102.0.
ISC VIII 12 00 38 11.4–1.2 3.95S–.10 152.5E–.20 35 3.8b 13 17-150
IDC VIII 12 00 38 06.5–2.3 3.92S 152.51E 0 4.2,4.1s ¶11908098
ISCJB VIII 12 00 38 09.4–1.2 3.95S–.10 152.5E–.20 33 3.8b,4.1s
NEIC VIII 12 00 38 11.4–.71 3.94S 152.50E 35 4.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=145.9km s-min=29.2km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=30.6km s-min=13.9km az=5.9.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=9.0km az=97.0.
IDC VIII 12 06 28 47.3–1.3 4.70S 153.30E 0 4.1,4.0b
¶12581034
IDC Error ellipse: s-maj=49.4km s-min=26.7km az=103.0.
ISC VIII 12 18 44 19.5–5.3 4.6S–.20 153.5E–.30 142–40 3.6b 12 8-86
IDC VIII 12 18 44 17.9–2.6 4.57S 153.65E 133–8 3.6,3.5b ¶11908120
ISCJB VIII 12 18 44 18.4–5.0 4.6S–.20 153.5E–.30 147–39 3.6b,3.5b
NEIC VIII 12 18 44 19.4–5.7 4.59S 153.51E 142–39 4.0b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=88.3km s-min=18.7km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=47.8km s-min=24.9km az=7.6.
NEIC Event type se. Error ellipse: s-maj=67.6km s-min=19.1km az=90.0.
IDC VIII 13 19 18 31.6–1.5 3.96S 152.40E 0 4.1,3.9b
¶12581064
IDC Error ellipse: s-maj=49.7km s-min=23.2km az=120.0.
IDC VIII 14 20 30 19.3–3.0 2.44S 151.86E 0 4.0,3.8b
¶12581083
IDC Error ellipse: s-maj=102.1km s-min=44.8km az=103.0.
IDC VIII 15 05 56 30.8–3.5 4.00S 153.48E 0 4.1,3.9b
¶12581091
IDC Error ellipse: s-maj=131.3km s-min=50.4km az=122.0.
IDC VIII 17 17 15 52.5–4.4 3.99S 152.86E 0 3.7,3.5b
¶12581158
IDC Error ellipse: s-maj=117.2km s-min=37.8km az=103.0.
IDC VIII 21 00 15 06.2–1.8 3.67S 151.04E 0 4.1,3.9
¶12581244
IDC Error ellipse: s-maj=112.6km s-min=24.6km az=127.0.
IDC VIII 24 04 00 51.0–3.4 3.55S 151.58E 0 3.6s,3.6
¶12581331
IDC Error ellipse: s-maj=146.9km s-min=45.6km az=119.0.
IDC VIII 25 23 57 10.3–3.4 5.34S 153.95E 0 3.5,3.4b
¶12581410
IDC Error ellipse: s-maj=121.0km s-min=30.4km az=112.0.
IDC VIII 28 22 14 23.7–1.7 3.98S 152.18E 0 3.9,3.7b
¶12581519
IDC Error ellipse: s-maj=58.3km s-min=25.6km az=109.0.
IDC IX 01 19 13 59.8–1.8 3.98S 151.60E 0 3.9,3.7
¶11909240
IDC Error ellipse: s-maj=56.6km s-min=26.6km az=119.0.
IDC IX 09 06 27 05.2–3.4 5.22S 153.78E 0 3.7,3.5b
¶11909866
IDC Error ellipse: s-maj=114.8km s-min=34.7km az=117.0.
ISC IX 09 19 50 31.4–2.1 4.43S–.08 153.1E–.10 61–17 4.4b 42 8-150
ISCJB IX 09 19 50 27.3–2.5 4.38S–.08 153.2E–.10 41–20 4.4b,3.4s ¶11909896
IDC IX 09 19 50 33.3–3.7 4.47S 153.22E 87–34 4.1,4.0
NEIC IX 09 19 50 36.0–1.6 4.42S 152.89E 99–16 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.8km s-min=10.8km az=18.7.
IDC Error ellipse: s-maj=38.5km s-min=13.0km az=113.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=12.0km az=130.0.
ISC IX 10 13 36 58.3–3.7 5.6S–.10 153.3E–.20 55–29 4.0b 18 7-118
IDC IX 10 13 36 50.3–1.4 5.57S 153.44E 0 4.1,4.0b ¶11909957
ISCJB IX 10 13 36 54.5–4.3 5.6S–.10 153.3E–.20 37–34 4.0b,4.0b
NEIC IX 10 13 36 58.2–2.8 5.63S 153.31E 58–22 4.8b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=47.1km s-min=17.7km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=43.5km s-min=20.4km az=19.7.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=13.6km az=109.0.
ISC IX 11 05 44 18.6–2.8 4.9S–.20 153.1E–.30 50–20 4.1b 14 7-90
IDC IX 11 05 44 11.1–1.9 4.87S 153.28E 0 4.3,4.1b ¶11910030
NEIC IX 11 05 44 17.2–1.5 4.86S 153.07E 35 4.5b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=63.8km s-min=22.6km az=121.0.
NEIC Event type se. Error ellipse: s-maj=48.8km s-min=14.6km az=122.0.
ISC IX 17 21 06 33.8–2.9 3.83S–.09 150.9E–.20 56–24 4.0b 32 7-148
IDC IX 17 21 06 23.2–1.4 3.89S 151.62E 0 4.2,4.1 ¶11910515
ISCJB IX 17 21 06 29.4–3.4 3.78S–.09 151.1E–.20 39–29 4.0b,4.1
NEIC IX 17 21 06 32.0–2.4 3.83S 151.08E 50–19 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=46.6km s-min=18.0km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=32.2km s-min=14.5km az=178.7.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=11.0km az=90.0.
ISC IX 18 18 46 44.8–.82 4.69S–.04 153.34E–.04 78–7 5.0b 210 8-158
DJA IX 18 18 46 22 4.50S 155.40E 23 5.2b ¶13394625
MOS IX 18 18 46 39.7–.89 4.49S 153.16E 33 5.2b
IDC IX 18 18 46 40.4–1.5 4.64S 153.40E 39–11 4.8,4.7
ISCJB IX 18 18 46 41.6–.91 4.65S–.04 153.35E–.04 63–8 5.0b,4.7
NEIC IX 18 18 46 45.8–.15 4.73S 153.26E 84 5.1b,4.7
GCMT IX 18 18 46 45.5–.20 4.80S 153.25E 49–1 5.1W,4.7
BJI IX 18 18 46 46.1 4.17S 153.22E 79 5.0b,4.8b
ISC Event type se.
MOS Error ellipse: s-maj=10.9km s-min=7.3km az=106.3.
IDC Error ellipse: s-maj=16.1km s-min=10.3km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.8km az=167.7.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.5km az=97.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c91; s76,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}4.06±.15 $M_{\theta\theta}$2.66±.12; $M_{\phi\phi}$-6.72±.12; $M_{r\theta}$-2.83±.11; $M_{\theta\phi}$0.06±.13; $M_{\phi r}$-1.33±.12; Best double couple: NP1:ϕ_s328.00000°,δ49.00000°,λ38.00000°. NP2:ϕ_s211.00000°,δ62.00000°,λ133.00000°. Principal axes: T 6.3700,Plg52.0000° ,Azm172.0000°; N 0.5200,Plg37.0000°,Azm7.0000°; P -6.8900,Plg7.0000°,Azm272.0000° M_o6.60000×10^{16}
IDC IX 18 19 24 12.9–3.2 4.40S 153.23E 0 4.0,3.8
¶11910576
IDC Error ellipse: s-maj=131.0km s-min=45.4km az=125.0.
IDC IX 20 12 49 52.0–1.1 5.47S 153.84E 0 4.0,3.9b
¶11910702

IDC Error ellipse: s-maj=41.7km s-min=20.4km az=100.0.
IDC IX 30 11 17 19.8–2.0 3.18S 151.69E 0 3.9,3.6
¶11911448

IDC Error ellipse: s-maj=170.8km s-min=26.9km az=125.0.
ISC X 01 20 22 07.4–4.5 5.8S–.10 153.4E–.30 45–36 3.7b 19 7-151
IDC X 01 20 22 00.6–1.5 5.80S 153.45E 0 3.8,3.8 **¶11911581**
NEIC X 01 20 22 08.0–4.0 5.81S 153.31E 53–31 3.8,3.8
ISC Event type se.
IDC Error ellipse: s-maj=59.1km s-min=19.8km az=108.0.
NEIC Event type se. Error ellipse: s-maj=47.0km s-min=17.4km az=107.0.
ISC X 04 13 06 38.9–1.7 4.8S–.10 153.66E–.07 104–17 4.3b 37 8-151
ISCJB X 04 13 06 37.1–2.1 4.8S–.10 153.69E–.07 104–21 4.3b **¶12065901**
IDC X 04 13 06 38.7–2.7 4.83S 153.70E 102–25 3.8,3.8
NEIC X 04 13 06 39.1–1.3 4.79S 153.61E 106–13 4.6b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=11.5km az=172.6.
IDC Error ellipse: s-maj=22.6km s-min=15.9km az=113.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.4km az=144.0.
ISC X 05 10 36 37.8–3.2 4.4S–.10 153.6E–.10 148–26 4.2b 33 8-151
IDC X 05 10 36 19.9–.94 4.24S 153.79E 0 4.4,4.3b **¶12065991**
ISCJB X 05 10 36 37.4–3.4 4.4S–.10 153.6E–.10 160–28 4.2b,4.3b
NEIC X 05 10 36 37.9–3.5 4.43S 153.65E 149–29 4.2b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=21.7km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=18.3km az=140.1.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=17.7km az=50.0.
IDC X 05 20 01 59.2–1.9 3.71S 152.08E 0 3.8,3.6b
¶12066055

IDC Error ellipse: s-maj=75.6km s-min=25.1km az=117.0.
IDC X 05 20 17 37.4–1.8 3.72S 152.02E 0 3.9,3.7b
¶12066058

IDC Error ellipse: s-maj=73.5km s-min=24.4km az=118.0.
IDC X 09 06 44 10.6–1.5 3.76S 151.22E 0 3.7,3.5b
¶12066404

IDC Error ellipse: s-maj=88.2km s-min=26.9km az=119.0.
IDC X 12 10 59 25.1–2.9 5.81S 153.60E 0 4.1s,4.1
¶12068458

IDC Error ellipse: s-maj=96.5km s-min=46.9km az=116.0.
ISC X 14 23 43 11.7–2.5 3.49S–.10 152.3E–.10 41–26 4.1b 21 10-149
ISCJB X 14 23 43 08.6–6.1 3.46S–.10 152.3E–.10 32–45 4.1b **¶12068648**
IDC X 14 23 43 08.3–3.3 4.08S 152.59E 0 4.4,4.1
NEIC X 14 23 43 11.8–1.8 3.49S 152.26E 42–18 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=16.4km az=12.4.
IDC Error ellipse: s-maj=143.1km s-min=43.5km az=119.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.7km az=102.0.
IDC X 16 15 54 07.2–3.9 3.92S 150.65E 0 3.7,3.4
¶12068784

IDC Error ellipse: s-maj=147.1km s-min=49.7km az=113.0.
IDC X 16 16 03 40.1–1.9 3.81S 150.66E 0 4.1,3.8
¶12068787

IDC Error ellipse: s-maj=126.2km s-min=27.1km az=123.0.
ISC X 16 16 04 45.2–1.1 3.58S–.10 150.1E–.20 35 3.9b 21 17-155
IDC X 16 16 04 38.4–1.5 3.79S 150.67E 0 4.1,3.8b **¶12068788**
ISCJB X 16 16 04 43.2–1.1 3.56S–.10 150.2E–.20 33 3.9b,3.8b
NEIC X 16 16 04 45.8–4.9 3.56S 150.16E 42–45 4.3b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=50.3km s-min=25.6km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=35.4km s-min=12.7km az=10.2.
NEIC Event type se. Error ellipse: s-maj=31.3km s-min=23.2km az=86.0.
IDC X 16 16 06 22.2–1.9 3.82S 150.60E 0 3.8,3.5
¶12068789

IDC Error ellipse: s-maj=135.9km s-min=27.4km az=123.0.
IDC X 16 16 07 08.7–1.9 3.69S 150.04E 0 3.9,3.6b
¶12068790

IDC Error ellipse: s-maj=133.3km s-min=28.2km az=123.0.
IDC X 16 16 08 45.4–1.8 3.87S 150.59E 0 3.8,3.6
¶12068791

IDC Error ellipse: s-maj=81.8km s-min=25.7km az=117.0.
IDC X 16 16 11 38.4–4.1 3.68S 150.46E 0 3.4,3.2
¶12068792

IDC Error ellipse: s-maj=166.6km s-min=48.0km az=113.0.
IDC X 16 16 16 30.9–1.7 3.89S 150.97E 0 4.0,3.7b
¶12068794

IDC Error ellipse: s-maj=59.6km s-min=24.7km az=116.0.
ISC X 16 16 19 21.0–1.2 3.9S–.10 150.9E–.30 35 3.8b,3.5s 18 7-148
IDC X 16 16 19 16.4–1.7 3.81S 150.79E 0 4.0,3.8 **¶12068795**
ISCJB X 16 16 19 19.2–1.3 3.9S–.10 150.8E–.30 33 3.8b,3.5s
NEIC X 16 16 19 20.3–1.2 4.02S 151.02E 35 3.8b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=55.9km s-min=20.0km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=39.5km s-min=11.8km az=13.1.
NEIC Event type se. Error ellipse: s-maj=40.8km s-min=14.2km az=104.0.
IDC X 16 16 58 38.0–3.6 3.78S 150.54E 0 3.5,3.3
¶12068800

IDC Error ellipse: s-maj=141.8km s-min=47.3km az=114.0.
IDC X 16 17 07 28.1–1.8 3.82S 150.73E 0 3.8,3.6
¶12068802

IDC Error ellipse: s-maj=80.1km s-min=24.9km az=117.0.
IDC X 16 17 09 36.6–1.9 3.75S 150.54E 0 4.2s,4.2
¶12068803

IDC Error ellipse: s-maj=131.8km s-min=27.2km az=123.0.
IDC X 16 17 28 36.0–1.8 3.86S 150.74E 0 3.8,3.5b
¶12068805

IDC Error ellipse: s-maj=80.4km s-min=25.3km az=118.0.
IDC X 16 17 41 01.6–3.7 3.91S 150.73E 0 3.5,3.2b
¶12068807

IDC Error ellipse: s-maj=150.6km s-min=46.9km az=114.0.
ISC X 16 17 41 41.2–1.7 3.95S–.09 150.79E–.08 70–18 4.4b 53 7-148
IDC X 16 17 41 32.0–.94 3.86S 150.90E 0 4.4,4.3 **¶12068808**
GCMT X 16 17 41 37.1–.30 3.72S 150.66E 16–1 4.8W,4.3
ISCJB X 16 17 41 38.9–2.3 3.93S–.09 150.78E–.07 63–22 4.5b,4.3
NEIC X 16 17 41 38.0–.45 3.86S 150.66E 35 4.7b,4.3
DJA X 16 17 41 42 4.11S 150.98E 92 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=18.0km az=108.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s21,c27; s73,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.20±.08 $M_{\theta\theta}$1.21±.07; $M_{\phi\phi}$-1.01±.06; $M_{r\theta}$0.65±.20; $M_{\theta\phi}$1.51±.06; $M_{\phi r}$-0.38±.19; Best double couple: NP1:ϕ_s19.00000°,δ68.00000°,λ-173.00000°. NP2:ϕ_s287.00000°,δ84.00000°,λ-22.00000°. Principal axes: T 2.0500,Plg11.0000° ,Azm335.0000°; N -0.0500,Plg67.0000°,Azm92.0000°; P -2.0000,Plg20.0000° ,Azm241.0000° $M_0$2.00000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=11.8km az=158.5.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.3km az=99.0.
IDC X 16 17 45 01.7–1.9 3.51S 150.29E 0 3.6,3.3b
¶12068809

IDC Error ellipse: s-maj=128.2km s-min=27.9km az=123.0.
IDC X 16 17 50 56.6–3.8 3.57S 150.52E 0 3.4,3.2
¶12068810

IDC Error ellipse: s-maj=157.9km s-min=46.3km az=114.0.
IDC X 16 17 51 28.8–3.8 3.91S 150.70E 0 3.8,3.6
¶12068811

IDC Error ellipse: s-maj=157.1km s-min=46.8km az=114.0.
ISC X 16 18 24 33.7–2.9 3.9S–.10 150.7E–.20 75–28 4.2b 32 6-148
IDC X 16 18 24 23.8–1.2 3.82S 150.86E 0 4.3,4.2 **¶12068814**
NEIC X 16 18 24 29.6–.79 3.77S 150.73E 35 4.6b,4.2
ISCJB X 16 18 24 31.0–3.4 3.8S–.10 150.7E–.20 62–31 4.3b,4.2
GCMT X 16 18 24 33.6–.20 3.73S 150.69E 16–1 4.9W,4.2
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=19.9km az=109.0.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=9.5km az=103.0.

ISCJB Event type se. Error ellipse: s-maj=33.2km s-min=19.5km az=12.9.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s25,c31; s82,c121; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.63±.11 $M_{\theta\theta}$2.68±.09; $M_{\phi\phi}$-2.05±.08; $M_{r\theta}$-0.26±.24; $M_{\theta\phi}$2.07±.07; $M_{\phi r}$-0.23±.26; Best double couple: NP1:ϕ_s294.00000°,δ85.00000°,λ1.00000°. NP2:ϕ_s204.00000°,δ89.00000°,λ175.00000°. Principal axes: T 3.4800,Plg4.0000° ,Azm159.0000°; N -0.6500,Plg85.0000°,Azm15.0000°; P -2.8400,Plg3.0000°,Azm250.0000° $M_0$3.20000×10^{16}
IDC X 16 18 43 17.4–3.5 3.76S 150.61E 0 4.2,3.9
¶12068817

IDC Error ellipse: s-maj=133.0km s-min=45.4km az=114.0.
IDC X 16 19 06 01.7–3.6 3.90S 150.60E 0 3.8,3.6
¶12068820

IDC Error ellipse: s-maj=142.3km s-min=46.1km az=114.0.
IDC X 16 19 11 08.9–3.8 3.87S 150.80E 0 3.7,3.5
¶12068822

IDC Error ellipse: s-maj=146.3km s-min=49.1km az=115.0.
IDC X 16 19 26 59.5–1.8 3.83S 150.88E 0 4.0,3.8
¶12068826

IDC Error ellipse: s-maj=88.2km s-min=25.4km az=120.0.
ISC X 16 22 14 57.8–2.0 3.9S–.10 150.68E–.10 39–20 4.5s,4.0b 36 7-148
IDC X 16 22 14 51.9–1.0 3.87S 150.78E 0 4.5,4.5s **¶12068836**
ISCJB X 16 22 14 52.7–4.2 3.86S–.06 150.68E–.10 14–27 4.5s,4.0b
NEIC X 16 22 14 57.3–.39 3.88S 150.66E 35 4.5b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=17.4km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=9.3km az=21.7.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.5km az=100.0.
IDC X 16 22 22 50.0–2.9 3.94S 150.72E 0 3.8,3.6b
¶12068837

IDC Error ellipse: s-maj=92.1km s-min=43.8km az=104.0.
ISC X 16 22 25 43.2–1.6 3.70S–.07 150.21E–.08 42–16 4.2b 47 6-148
IDC X 16 22 25 36.3–1.9 3.67S 150.50E 0 4.3,4.2b **¶12068838**
ISCJB X 16 22 25 39.3–4.0 3.67S–.06 150.23E–.08 26–29 4.2b,4.2b
NEIC X 16 22 25 43.4–1.2 3.71S 150.21E 44–11 4.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=64.0km s-min=18.3km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=10.2km az=18.1.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.2km az=107.0.
ISC X 16 23 19 38.7–1.3 3.8S–.10 150.3E–.20 35 3.8b 18 18-148
IDC X 16 23 19 33.3–2.0 3.76S 150.51E 0 4.0,3.7b **¶12068841**
ISCJB X 16 23 19 36.7–1.3 3.7S–.10 150.3E–.20 33 3.8b,3.7b
NEIC X 16 23 19 38.8–.79 3.77S 150.32E 35 4.4b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=108.7km s-min=26.2km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=36.1km s-min=10.6km az=18.5.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=7.3km az=110.0.
ISC X 16 23 24 43.1–1.1 3.88S–.05 150.53E–.05 36–10 4.8b,4.4s 158 6-155
IDC X 16 23 24 36.3–.70 3.95S 150.66E 0 4.6,4.5 **¶11357470**
ISCJB X 16 23 24 38.8–1.5 3.86S–.05 150.48E–.06 18–10 4.8b,4.4s
GCMT X 16 23 24 41.7–.30 3.71S 150.73E 12 5.1W,4.4s
MOS X 16 23 24 41.7–1.3 3.87S 150.39E 33 5.1b,4.4s
NEIC X 16 23 24 42.4–.25 3.88S 150.58E 35 4.9b,4.4s
BJI X 16 23 24 45.5 3.02S 150.40E 35 4.9b,4.8b
DJA X 16 23 24 48 4.70S 151.68E 121 4.7b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=12.5km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=7.1km az=35.5.
GCMT Event type se. Data Used: II G IU IC. Moment Tensor Solution. s15,c16; s76,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.29±.29 $M_{\theta\theta}$5.73±.22; $M_{\phi\phi}$-4.44±.26; $M_{r\theta}$0.40±.73; $M_{\theta\phi}$3.88±.21; $M_{\phi r}$0.14±.79; Best double couple: NP1:ϕ_s116.00000°,δ88.00000°,λ2.00000°. NP2:ϕ_s26.00000°,δ88.00000°,λ178.00000°. Principal axes: T 7.0600,Plg3.0000° ,Azm341.0000°; N -1.3100,Plg87.0000°,Azm162.0000°; P -5.7500,Plg0.0000°,Azm71.0000° $M_0$6.40000×10^{16}
MOS Error ellipse: s-maj=13.3km s-min=8.2km az=78.2.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.7km az=115.0.
ISC X 17 04 09 55.1–4.9 5.81S–.09 153.11E–.08 21–35 4.5b,3.7s 54 7-151
ISCJB X 17 04 09 54.8–.45 5.84S–.06 153.07E–.08 30 4.5b,3.7s **¶12068861**
IDC X 17 04 09 55.9–.70 5.85S 153.24E 30–3 4.3,4.3
NEIC X 17 04 09 56.4–.33 5.83S 153.11E 31 4.8b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.0km az=34.7.
IDC Error ellipse: s-maj=24.0km s-min=12.5km az=120.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.5km az=114.0.
IDC X 18 23 45 06.5–2.9 3.73S 151.92E 0 4.0,3.7
¶12069004

IDC Error ellipse: s-maj=78.3km s-min=35.5km az=103.0.
IDC X 18 23 45 59.9–2.9 3.89S 151.91E 0 3.9,3.8s
¶12069005

IDC Error ellipse: s-maj=90.5km s-min=29.7km az=104.0.
ISC X 20 23 15 44.4–1.1 3.41S–.05 150.76E–.05 51–10 4.8b,4.5s 195 7-148
IDC X 20 23 15 37.0–.87 3.39S 150.82E 0 4.6,4.6 **¶11360341**
MOS X 20 23 15 40.9–1.2 3.34S 150.74E 33 5.2b,4.6
BJI X 20 23 15 41.3 3.06S 150.78E 29 5.2b,4.9s
ISCJB X 20 23 15 42.3–1.1 3.37S–.05 150.72E–.05 46–9 4.8b,4.5s
NEIC X 20 23 15 42.5–.29 3.37S 150.73E 35 5.0b,4.5s
GCMT X 20 23 15 43.7–.10 3.32S 150.73E 12–1 5.2W,4.5s
DJA X 20 23 15 47 3.49S 150.62E 64 5.1b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=12.9km az=114.0.
MOS Error ellipse: s-maj=13.4km s-min=8.6km az=87.2.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=7.2km az=147.8.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.6km az=100.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s58,c86; s92,c166; Moment tensor: Scale 10^{16}Nm; M_{rr}0.27±.12 $M_{\theta\theta}$-0.64±.12; $M_{\phi\phi}$0.37±.13; $M_{r\theta}$-0.67±.31; $M_{\theta\phi}$6.99±.13; $M_{\phi r}$-0.15±.29; Best double couple: NP1:ϕ_s178.00000°,δ84.00000°,λ179.00000°. NP2:ϕ_s268.00000°,δ89.00000°,λ6.00000°. Principal axes: T 6.9200,Plg5.0000° ,Azm133.0000°; N 0.2500,Plg84.0000°,Azm281.0000°; P -7.1700,Plg3.0000°,Azm43.0000° $M_0$7.00000×10^{16}
IDC X 20 23 32 24.1–3.5 4.41S 153.21E 0 4.1,3.9b
¶12069174

IDC Error ellipse: s-maj=163.7km s-min=47.4km az=121.0.
ISC X 21 00 16 39.0–5.6 3.28S–.06 150.5E–.10 11–35 4.3b,3.9s 55 7-148
IDC X 21 00 16 37.3–.78 3.31S 150.43E 0 4.5,4.4 **¶11390977**
GCMT X 21 00 16 41.7–.30 3.33S 150.70E 21–1 4.9W,4.4
NEIC X 21 00 16 41.1–3.1 3.29S 150.44E 26–22 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=15.9km az=112.0.
GCMT Event type se. Data Used: IU IC CN II G. Moment Tensor Solution. s20,c21; s63,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27±.12 $M_{\theta\theta}$-0.10±.10; $M_{\phi\phi}$0.37±.11; $M_{r\theta}$0.02±.20; $M_{\theta\phi}$2.39±.11; $M_{\phi r}$-0.48±.17; Best double couple: NP1:ϕ_s267.00000°,δ78.00000°,λ-2.00000°. NP2:ϕ_s357.00000°,δ88.00000°,λ-168.00000°. Principal axes: T 2.5800,Plg7.0000° ,Azm132.0000°; N -0.2500,Plg78.0000°,Azm6.0000°; P -2.3200,Plg9.0000°,Azm223.0000° $M_0$2.50000×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.4km az=93.0.
ISC X 21 00 23 56.5–2.4 3.45S–.07 151.0E–.20 41–20 4.1b 30 7-148
IDC X 21 00 23 50.6–1.5 3.35S 150.99E 0 4.2,4.0 **¶12070703**
ISCJB X 21 00 23 54.6–2.6 3.44S–.07 151.0E–.20 39–21 4.1b,4.0
NEIC X 21 00 23 56.1–.59 3.45S 150.93E 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=21.1km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=30.4km s-min=12.2km az=3.3.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=6.5km az=98.0.
ISC X 21 00 29 24.5–2.8 3.52S–.10 150.4E–.20 45–25 4.0b,3.7s 33 7-148
IDC X 21 00 29 18.0–1.5 3.47S 150.48E 0 4.2,4.1 **¶12070706**
ISCJB X 21 00 29 21.4–.93 3.51S–.07 150.4E–.20 33 4.0b,3.7s
NEIC X 21 00 29 24.4–1.8 3.54S 150.48E 47–16 4.4b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=50.4km s-min=18.8km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=27.6km s-min=7.2km az=16.3.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=8.6km az=105.0.
IDC X 21 00 44 09.1–3.5 3.52S 152.75E 0 4.1,3.9b

¶12070707

IDC Error ellipse: s-maj=133.7km s-min=48.6km az=121.0.
ISC X 21 01 29 44.7–3.5 3.7S–.20 151.1E–.30 75–32 3.8b 20 7-148
IDC X 21 01 29 35.0–1.8 3.49S 151.17E 0 4.1,4.0 ¶12070710
NEIC X 21 01 29 40.1–2.4 3.50S 151.20E 35 4.2b,4.0
ISCJB X 21 01 29 42.3–3.9 3.6S–.20 151.0E–.30 61–35 3.9b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 26 22 54 42.2–4.0 2.89S 150.02E 0 3.5,3.4

¶12071200

IDC Error ellipse: s-maj=139.8km s-min=27.9km az=102.0.
IDC X 28 11 18 28.1–10 3.89S 152.16E 225–97 3.5,3.3b

¶12071326

IDC Error ellipse: s-maj=70.0km s-min=21.2km az=92.0.
ISC XI 04 06 49 40.9–3.3 3.6S–.10 150.1E–.20 65–30 3.9b 24 6-147
IDC XI 04 06 49 32.2–1.5 3.43S 150.19E 0 4.2,4.1 ¶12072221
ISCJB XI 04 06 49 38.7–3.8 3.6S–.10 150.1E–.20 62–35 3.9b,4.1
NEIC XI 04 06 49 41.4–2.8 3.59S 150.12E 74–26 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=18.5km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=30.8km s-min=23.3km az=7.7.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=17.7km az=92.0.
ISC XI 06 06 15 54.6–3.9 5.2S–.10 153.8E–.20 44–30 4.1b,3.4s 33 7-151
ISCJB XI 06 06 15 50.0–6.1 5.2S–.10 153.7E–.10 20–42 4.1b,3.4s ¶12072500
IDC XI 06 06 15 56.3–1.3 5.21S 153.69E 58–7 3.9,3.8
NEIC XI 06 06 15 56.3–.62 5.24S 153.65E 57 4.7b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=14.7km az=37.3.
IDC Error ellipse: s-maj=30.9km s-min=14.6km az=113.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=9.9km az=114.0.
ISC XI 06 15 08 22.1–3.4 3.9S–.20 151.6E–.20 89–31 3.7b 21 7-88
ISCJB XI 06 15 08 20.3–4.1 3.9S–.20 151.6E–.20 89–37 3.7b ¶12072544
IDC XI 06 15 08 22.1–5.3 3.88S 151.59E 90–50 3.6,3.4b
NEIC XI 06 15 08 23.1–.58 3.92S 151.57E 100 3.8b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.3km s-min=27.0km az=22.5.
IDC Error ellipse: s-maj=29.0km s-min=26.6km az=16.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.3km az=114.0.
IDC XI 12 00 52 26.1–4.2 4.00S 153.81E 0 3.7,3.4b

¶12073251

IDC Error ellipse: s-maj=200.0km s-min=50.2km az=119.0.
ISC XI 15 23 36 01.5–1.4 4.6S–.20 153.1E–.20 35 3.9b 18 8-151
IDC XI 15 23 35 56.0–1.9 4.60S 153.11E 0 4.2,3.9b ¶12073683
ISCJB XI 15 23 36 00.6–1.4 4.5S–.20 152.9E–.30 33 3.9b,3.9b
NEIC XI 15 23 36 01.3–1.3 4.64S 153.09E 35 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=62.4km s-min=23.6km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=44.9km s-min=10.5km az=35.6.
NEIC Event type se. Error ellipse: s-maj=44.5km s-min=14.6km az=116.0.
ISC XI 16 00 27 58.0–2.5 5.4S–.10 153.8E–.10 75–23 3.9b 21 8-151
ISCJB XI 16 00 27 54.8–3.3 5.3S–.10 153.8E–.10 60–29 3.9b ¶12073688
IDC XI 16 00 27 55.1–1.1 5.35S 153.84E 50–7 4.0,4.0
NEIC XI 16 00 27 58.5–2.5 5.35S 153.80E 83–20 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=17.2km az=147.3.
IDC Error ellipse: s-maj=25.9km s-min=16.9km az=108.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=13.1km az=88.0.
ISC XI 20 17 56 44.2–.94 4.7S–.10 153.4E–.10 35 4.2b 21 8-151
IDC XI 20 17 56 41.1–1.6 4.68S 152.94E 0 4.3,4.0b ¶12074292
ISCJB XI 20 17 56 42.6–.94 4.7S–.10 153.3E–.10 33 4.2b,4.0b
NEIC XI 20 17 56 43.6–8.8 4.70S 153.33E 29–57 4.5b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=28.3km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=12.8km az=141.0.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=19.1km az=224.0.
IDC XI 23 01 52 20.4–3.9 3.82S 152.12E 0 3.7,3.4b

¶12074552

IDC Error ellipse: s-maj=192.7km s-min=43.9km az=119.0.
ISC XI 23 11 57 48.6–.68 4.70S–.03 153.10E–.03 76–6 5.2b 328 8-158
MOS XI 23 11 57 43.6–1.1 4.48S 152.96E 46 5.5b ¶11473276
ISCJB XI 23 11 57 44.5–.76 4.62S–.03 153.11E–.03 53–6 5.3b,4.5s
IDC XI 23 11 57 46.1–1.7 4.67S 152.96E 52–14 4.8,4.8b
BJI XI 23 11 57 46.4 4.43S 153.36E 74 5.3b,5.3b
NEIC XI 23 11 57 48.4–.92 4.64S 153.05E 74–8 5.2b,5.3b
GCMT XI 23 11 57 49.4–.10 4.88S 153.00E 56–0 5.3W,5.3b
DJA XI 23 11 57 51 4.82S 153.17E 97 5.4b,5.3b
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=6.3km az=98.9.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=5.1km az=26.4.
IDC Error ellipse: s-maj=14.7km s-min=9.2km az=102.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=83.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s90,c154; s89,c166; Moment tensor: Scale 10^{17}Nm; M_{rr}1.11±.02 $M_{\theta\theta}$-1.17±.02; $M_{\phi\phi}$0.06±.02; $M_{r\theta}$0.46±.02; $M_{\theta\phi}$-0.01±.02; $M_{\phi r}$0.01±.01; Best double couple: NP1:ϕ_s270.00000°,δ34.00000°,λ90.00000°. NP2:ϕ_s89.00000°,δ56.00000°,λ90.00000°. Principal axes: T 1.2000,Plg79.0000° ,Azm358.0000°; N 0.0600,Plg0.0000°,Azm89.0000°; P -1.2600,Plg11.0000°,Azm179.0000° $M_0$1.20000×10^{17}
IDC XI 26 10 07 03.0–8.1 5.39S 153.94E 186–61 3.3,3.2

¶12074884

IDC Error ellipse: s-maj=73.9km s-min=27.5km az=90.0.
IDC XI 26 17 15 08.5–5.7 5.12S 153.80E 204–48 3.2,3.0

¶12074921

IDC Error ellipse: s-maj=84.5km s-min=30.6km az=123.0.
IDC XI 28 06 27 44.1–10 5.91S 153.48E 162–91 3.3,3.1

¶12075120

IDC Error ellipse: s-maj=81.5km s-min=37.3km az=125.0.
IDC XII 07 14 26 28.6–3.5 3.40S 151.68E 0 3.9,3.7

¶12076210

IDC Error ellipse: s-maj=143.8km s-min=45.5km az=115.0.
IDC XII 10 22 29 11.8–1.9 4.88S 153.18E 0 3.9,3.8

¶12076802

IDC Error ellipse: s-maj=60.9km s-min=23.3km az=119.0.
ISC XII 11 17 25 03.3–.56 4.92S–.09 153.69E–.10 45 4.2b 39 8-151
ISCJB XII 11 17 25 01.6–.56 4.87S–.09 153.60E–.09 43 4.2b ¶12076961
IDC XII 11 17 25 03.4–.63 4.89S 153.63E 46–4 4.2,4.1
NEIC XII 11 17 25 03.0–.54 4.92S 153.66E 44 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=8.4km az=40.3.
IDC Error ellipse: s-maj=20.3km s-min=13.1km az=115.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=9.6km az=116.0.
IDC XII 15 00 31 45.2–5.8 4.08S 153.90E 285–46 3.1,2.9

¶12077508

IDC Error ellipse: s-maj=145.1km s-min=32.2km az=127.0.
ISC XII 16 22 18 32.1–3.4 4.12S–.06 153.46E–.06 4–20 4.1b,3.7s 40 8-151
ISCJB XII 16 22 18 30.8–3.8 4.16S–.06 153.51E–.06 8–23 4.1b,3.7s ¶12077822
IDC XII 16 22 18 35.4–3.5 4.13S 153.51E 26–22 4.9L,4.3
NEIC XII 16 22 18 36.5–1.1 4.20S 153.50E 37–11 4.2b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=9.3km az=151.9.
IDC Error ellipse: s-maj=31.5km s-min=15.6km az=122.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.9km az=131.0.
IDC XII 18 21 59 42.3–1.6 3.09S 150.36E 0 3.9,3.8

¶12078108

IDC Error ellipse: s-maj=101.0km s-min=23.9km az=119.0.
IDC XII 23 07 44 06.7–5.2 3.77S 152.02E 239–42 3.6,3.5b

¶12078643

IDC Error ellipse: s-maj=62.7km s-min=26.7km az=101.0.
IDC XII 29 01 19 14.4–3.0 3.89S 152.69E 0 4.2,3.9

¶12079327

IDC Error ellipse: s-maj=118.0km s-min=43.0km az=122.0.

(191) North of Solomon Islands.

IDC IX 25 04 56 53.1–2.8 3.81S 154.73E 0 3.7,3.5

¶11910988

IDC Error ellipse: s-maj=217.5km s-min=31.0km az=127.0.

(192) New Britain region.

ISC VII 03 05 00 03.7–1.9 5.61S–.07 149.64E–.09 174–19 4.2b 31 15-137
ISCJB VII 03 04 59 57.2–2.2 5.50S–.07 149.76E–.09 128–21 4.2b ¶11479828
BJI VII 03 04 59 58.3 5.50S 149.70E 136 4.8b,4.6b
NEIC VII 03 04 59 59.6–.50 5.49S 149.67E 136 4.6b,4.6b
IDC VII 03 05 00 00.4–1.1 5.69S 149.70E 144–8 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=8.7km az=29.4.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=8.6km az=107.0.
IDC Error ellipse: s-maj=26.5km s-min=9.1km az=114.0.
IDC VII 03 17 56 34.7–17 5.38S 151.12E 125–144 3.8,3.6b

¶12697987

IDC Error ellipse: s-maj=99.9km s-min=82.5km az=125.0.
IDC VII 05 11 08 58.8–4.4 5.65S 150.99E 0 4.1,3.9b

¶12698022

IDC Error ellipse: s-maj=139.3km s-min=29.4km az=107.0.
IDC VII 07 13 38 18.3–7.5 5.38S 148.43E 0 3.7,3.5b

¶12698064

IDC Error ellipse: s-maj=246.7km s-min=30.1km az=105.0.
ISC VII 07 19 26 18.4–2.0 4.0S–.10 152.6E–.40 35 4.0b,3.7s 10 24-89
IDC VII 07 19 26 12.6–2.8 4.00S 152.74E 0 4.2,4.1 ¶11810916
ISCJB VII 07 19 26 16.3–2.0 4.0S–.10 152.6E–.40 33 4.0b,3.7s
NEIC VII 07 19 26 20.7–1.3 3.98S 152.09E 35 4.4b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=84.7km s-min=24.4km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=61.2km s-min=16.7km az=10.9.
NEIC Event type se. Error ellipse: s-maj=44.2km s-min=17.0km az=106.0.
ISC VII 07 19 39 51.3–5.5 4.6S–.20 151.6E–.40 280–46 3.8b 12 12-88
IDC VII 07 19 39 18.8–2.8 4.19S 152.09E 0 4.2,4.0 ¶11810920
ISCJB VII 07 19 39 50.6–5.1 4.7S–.20 151.6E–.40 289–42 3.8b,4.0
NEIC VII 07 19 39 51.1–4.0 4.62S 151.69E 284–33 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=89.3km s-min=21.1km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=71.1km s-min=28.4km az=9.1.
NEIC Event type se. Error ellipse: s-maj=44.5km s-min=18.5km az=97.0.
ISC VII 09 17 45 27.7–.89 5.4S–.10 152.1E–.20 35 4.2b 14 21-93
IDC VII 09 17 45 21.9–1.4 5.43S 152.19E 0 4.3,4.1b ¶11811102
NEIC VII 09 17 45 23.8–.72 5.40S 152.13E 10 4.4b,4.1b
ISCJB VII 09 17 45 26.0–.90 5.4S–.10 152.1E–.20 33 4.2b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 14 00 37 22.8–5.3 5.92S–.08 151.4E–.10 13–33 4.2b,4.0s 28 5-149
IDC VII 14 00 37 21.0–.97 5.87S 151.30E 0 4.4,4.3 ¶13389133
NEIC VII 14 00 37 28.6–2.4 5.98S 151.33E 60–20 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=18.5km az=112.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=13.3km az=88.0.
IDC VII 15 13 59 08.7–11 6.36S 149.44E 279–91 3.3s,3.3

¶12698231

IDC Error ellipse: s-maj=92.1km s-min=30.3km az=91.0.
ISC VII 16 13 11 01.7–3.5 5.0S–.20 152.2E–.10 82–32 3.6b 10 7-93
IDC VII 16 13 10 50.6–1.8 4.91S 152.40E 0 4.0,3.8b ¶11811744
NEIC VII 16 13 10 56.6–.82 4.80S 152.28E 35 3.9b,3.8b
ISCJB VII 16 13 10 59.3–4.3 4.9S–.20 152.2E–.20 72–37 3.6b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 17 14 10 46.4–3.3 4.78S 152.08E 0 4.1,3.9

¶12698271

IDC Error ellipse: s-maj=124.0km s-min=45.3km az=122.0.
IDC VII 18 06 24 14.7–2.1 4.84S 151.86E 0 3.6,3.4b

¶12698282

IDC Error ellipse: s-maj=125.2km s-min=28.4km az=129.0.
ISC VII 19 00 58 41.3–.94 6.59S–.09 150.8E–.20 35 3.9b 13 19-95
IDC VII 19 00 58 37.8–1.2 6.41S 150.45E 0 4.3,4.1 ¶12698299
ISCJB VII 19 00 58 39.4–.94 6.58S–.09 150.8E–.20 33 3.9b,4.1
IDC VII 19 10 26 34.7–3.7 4.47S 150.99E 0 4.1,3.9b

¶12698317

IDC Error ellipse: s-maj=118.2km s-min=47.4km az=108.0.
IDC VII 19 23 25 05.0–11 5.90S 148.78E 303–122 3.7,3.5b

¶12698333

IDC Error ellipse: s-maj=54.0km s-min=28.8km az=110.0.
ISC VII 20 15 19 40.2–3.9 6.4S–.20 151.3E–.30 51–32 3.9b,2.9s 14 5-85
IDC VII 20 15 19 33.0–1.5 6.42S 151.42E 0 4.0,3.8 ¶11812187
ISCJB VII 20 15 19 38.7–4.1 6.5S–.20 151.3E–.30 52–33 3.9b,2.9s
NEIC VII 20 15 19 40.2–3.0 6.47S 151.34E 54–25 4.1b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=62.1km s-min=22.8km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=43.0km s-min=23.0km az=17.4.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=16.3km az=107.0.
IDC VII 21 04 58 18.7–2.1 5.90S 151.66E 0 3.9,3.7

¶12698362

IDC Error ellipse: s-maj=79.5km s-min=32.3km az=116.0.
ISC VII 21 07 06 11.2–1.6 4.9S–.10 150.9E–.20 288–15 4.2b 25 6-149
ISCJB VII 21 07 06 10.4–1.7 4.9S–.10 150.9E–.20 296–15 4.2b ¶11812247
IDC VII 21 07 06 10.6–2.0 4.87S 150.94E 284–18 3.9,3.8b
NEIC VII 21 07 06 10.9–1.7 4.78S 150.86E 285–16 4.4b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.8km s-min=14.3km az=27.9.
IDC Error ellipse: s-maj=35.6km s-min=10.9km az=119.0.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=13.6km az=119.0.
ISC VII 24 08 04 07.2–3.4 6.0S–.10 151.5E–.20 47–29 4.2b 20 5-149
IDC VII 24 08 04 00.1–.88 6.00S 151.61E 0 4.4,4.2b ¶11812515
ISCJB VII 24 08 04 05.5–3.9 5.9S–.10 151.5E–.20 48–32 4.2b,4.2b
NEIC VII 24 08 04 07.5–2.8 6.02S 151.44E 52–23 4.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=16.9km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=34.0km s-min=19.0km az=22.5.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=14.6km az=109.0.
ISC VII 24 21 55 41.4–1.1 5.20S–.07 151.62E–.05 147–12 4.5b 75 6-157
ISCJB VII 24 21 55 39.9–1.4 5.14S–.07 151.60E–.05 146–14 4.5b ¶11227141
BJI VII 24 21 55 39.2 4.53S 152.10E 134 4.8b,4.8b
NEIC VII 24 21 55 41.7–1.1 5.15S 151.63E 150–10 4.6b,4.8b
IDC VII 24 21 55 43.0–4.7 5.15S 151.64E 160–42 4.2,4.1b
DJA VII 24 21 55 51 4.81S 150.47E 164 4.6b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=8.0km az=169.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.7km az=121.0.
IDC Error ellipse: s-maj=24.1km s-min=13.4km az=95.0.
ISC VII 25 10 57 03.0–3.0 5.0S–.20 151.8E–.20 171–27 3.6b 11 6-149
IDC VII 25 10 56 58.3–14 4.96S 151.86E 131–126 3.7,3.5b ¶11812584
ISCJB VII 25 10 57 02.5–3.2 5.0S–.20 151.7E–.20 179–29 3.6b,3.5b
NEIC VII 25 10 57 03.1–2.4 5.01S 151.76E 174–21 4.2b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=48.8km s-min=37.3km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=48.0km s-min=25.1km az=41.5.
NEIC Event type se. Error ellipse: s-maj=32.5km s-min=17.6km az=128.0.
ISC VII 26 11 37 38.9–2.0 5.90S–.07 150.3E–.10 68–17 4.2b 35 5-138
IDC VII 26 11 37 29.3–.80 5.87S 150.50E 0 4.3,4.2 ¶11480139
ISCJB VII 26 11 37 37.0–2.4 5.88S–.07 150.3E–.10 67–20 4.2b,4.2
BJI VII 26 11 37 37.8 5.90S 150.30E 69 4.9b,4.9b
NEIC VII 26 11 37 38.8–2.1 5.94S 150.30E 70–19 4.6b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=15.6km az=95.0.

ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=11.3km az=179.1.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=11.2km az=85.0.
ISC VII 26 21 13 13.5–1.2 6.7S–.10 152.7E–.20 35 4.0b 14 6-91
IDC VII 26 21 13 08.6–1.9 6.58S 152.53E 0 4.2,4.1b **¶11812671**
ISCJB VII 26 21 13 11.9–1.2 6.7S–.10 152.6E–.20 33 4.0b,4.1b
NEIC VII 26 21 13 13.3–.86 6.69S 152.67E 35 4.1b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=64.7km s-min=23.0km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=34.8km s-min=13.3km az=29.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=9.6km az=113.0.
IDC VII 29 17 44 29.5–2.4 7.11S 150.86E 0 3.7,3.6
¶12698484

IDC Error ellipse: s-maj=85.7km s-min=27.1km az=123.0.
ISC VII 30 00 10 36.9–2.1 7.05S–.09 150.6E–.10 52–17 4.2b 34 4-149
IDC VII 30 00 10 30.3–1.1 7.02S 150.44E 0 4.3,4.2 **¶11812890**
ISCJB VII 30 00 10 37.0–2.8 7.06S–.09 150.5E–.10 66–23 4.1b,4.2
NEIC VII 30 00 10 37.6–1.9 7.09S 150.55E 58–16 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=14.4km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=15.0km az=15.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.9km az=103.0.
IDC VII 31 08 08 36.3–2.5 7.13S 150.83E 0 4.2,4.0b
¶12698513

IDC Error ellipse: s-maj=145.7km s-min=30.0km az=131.0.
ISC VIII 01 14 07 02.7–2.5 5.1S–.20 151.2E–.20 155–23 3.9b 22 6-149
IDC VIII 01 14 06 59.9–2.9 5.11S 151.35E 130–23 3.8,3.7b **¶11907667**
NEIC VIII 01 14 07 02.1–2.6 5.28S 151.33E 157–25 4.0b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=13.0km az=120.0.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=17.9km az=122.0.
ISC VIII 01 15 22 00.2–1.3 7.2S–.20 150.8E–.20 35 3.5b 9 4-149
IDC VIII 01 15 21 55.2–2.4 7.23S 150.91E 0 3.7,3.6 **¶11907671**
ISCJB VIII 01 15 21 58.5–1.3 7.2S–.20 150.7E–.20 33 3.5b,3.6
NEIC VIII 01 15 22 01.4–1.3 7.12S 150.55E 35 3.6b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=110.5km s-min=29.2km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=44.4km s-min=12.5km az=44.5.
NEIC Event type se. Error ellipse: s-maj=43.7km s-min=13.0km az=125.0.
ISC VIII 02 00 22 08.1–3.9 7.2S–.20 150.7E–.20 64–31 3.9b 14 4-85
IDC VIII 02 00 21 59.9–1.5 7.06S 150.60E 0 4.2,4.0 **¶11907684**
ISCJB VIII 02 00 22 07.5–3.9 7.2S–.20 150.6E–.20 73–30 3.8b,4.0
NEIC VIII 02 00 22 08.8–3.2 7.21S 150.53E 66–25 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=52.4km s-min=21.5km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=39.0km s-min=22.8km az=20.3.
NEIC Event type se. Error ellipse: s-maj=33.1km s-min=17.3km az=104.0.
ISC VIII 02 02 28 22.9–4.3 7.2S–.20 150.4E–.30 69–33 3.6b 8 4-85
IDC VIII 02 02 28 13.9–1.6 7.04S 150.55E 0 4.0,3.9 **¶11907687**
ISCJB VIII 02 02 28 22.6–4.3 7.1S–.20 150.3E–.30 79–32 3.6b,3.9
NEIC VIII 02 02 28 22.9–3.2 7.15S 150.42E 69–25 3.8b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=23.8km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=59.4km s-min=27.2km az=20.1.
NEIC Event type se. Error ellipse: s-maj=39.5km s-min=18.4km az=109.0.
ISC VIII 02 23 27 37.2–3.5 6.1S–.20 149.6E–.30 64–30 3.7b 11 4-90
IDC VIII 02 23 27 28.8–1.6 6.05S 149.66E 0 4.0,3.9 **¶11907718**
ISCJB VIII 02 23 27 36.0–3.6 6.1S–.20 149.5E–.30 67–30 3.6b,3.9
NEIC VIII 02 23 27 40.3–3.3 6.15S 149.21E 72–25 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=55.9km s-min=22.1km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=51.1km s-min=23.5km az=22.6.
NEIC Event type se. Error ellipse: s-maj=52.8km s-min=21.1km az=100.0.
ISC VIII 02 23 57 58.5–.36 4.86S–.04 151.75E–.06 140 4.7b 117 6-157
ISCJB VIII 02 23 57 56.5–.36 4.86S–.04 151.77E–.06 138 4.7b **¶11160914**
IDC VIII 02 23 57 56.4–.63 4.89S 151.91E 131–4 4.4,4.3
NEIC VIII 02 23 57 56.8–.36 4.83S 151.86E 132 4.8b,4.3
BJI VIII 02 23 57 57.4 5.28S 151.79E 163 4.7b,4.7b
DJA VIII 02 23 58 01 4.78S 151.59E 161 5.1b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=6.2.
IDC Error ellipse: s-maj=18.9km s-min=10.4km az=100.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.5km az=95.0.
IDC VIII 04 04 18 13.8–3.0 5.70S 152.06E 0 4.4,4.1b
¶12580918

IDC Error ellipse: s-maj=252.9km s-min=33.1km az=125.0.
ISC VIII 04 15 16 53.9–.13 5.14S–.03 151.84E–.03 47 5.1b,4.7s 393 6-149
BJI VIII 04 15 16 49.7 5.25S 152.18E 48 5.2b,4.9s **¶11154164**
MOS VIII 04 15 16 50.2–1.3 4.97S 151.76E 33 5.3b,4.9s
ISCJB VIII 04 15 16 52.2–.13 5.12S–.03 151.77E–.03 45 5.1b,4.7s
IDC VIII 04 15 16 53.5–.52 5.16S 151.91E 51–3 4.6s,4.6
NEIC VIII 04 15 16 53.2–.14 5.06S 151.80E 45 5.5W,5.2b
DJA VIII 04 15 16 56 5.54S 152.26E 55 5.6b,5.2b
GCMT VIII 04 15 16 57.8–.10 5.43S 151.98E 51–0 5.4W,5.2b
ISC Event type se.
MOS Error ellipse: s-maj=10.8km s-min=7.6km az=81.2.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.5km az=158.2.
IDC Error ellipse: s-maj=16.4km s-min=10.2km az=106.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=118.0. Moment Tensor Solution.
s47 Moment tensor: Scale 10^{17}Nm; M_{rr}2.19 $M_{\theta\theta}$-1.57 $M_{\phi\phi}$-0.63 $M_{r\theta}$0.54 $M_{\theta\phi}$-0.49 $M_{\phi r}$-0.07
Best double couple: NP1:ϕ_s242.00000°,δ39.00000°,λ81.00000°. NP2:ϕ_s73.00000°
,δ52.00000°,λ97.00000°. Principal axes: T 2.2700,Plg81.0000°,Azm18.0000°
; N -0.4500,Plg5.0000°,Azm248.0000°; P -1.8300,Plg6.0000°,Azm158.0000°
M_o2.10000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s95,c173; s94,c178;
Moment tensor: Scale 10^{17}Nm; M_{rr}1.57±.03 $M_{\theta\theta}$-1.65±.02; $M_{\phi\phi}$0.08±.02; $M_{r\theta}$0.31±.02;
$M_{\theta\phi}$-0.65±.02; $M_{\phi r}$-0.31±.02; Best double couple: NP1:ϕ_s236.00000°,δ44.00000°,λ67.00000°.
NP2:ϕ_s87.00000°,δ50.00000°,λ110.00000°. Principal axes: T 1.6900,Plg74.0000°
,Azm61.0000°; N 0.1900,Plg16.0000°,Azm253.0000°; P -1.8800,Plg3.0000°,Azm162.0000°
M_o1.80000×10^{17}
ISC VIII 05 18 17 24.8–3.0 5.2S–.10 151.6E–.20 82–26 3.9b 21 6-149
IDC VIII 05 18 17 14.4–1.1 4.97S 151.62E 0 4.2,4.1b **¶11907801**
ISCJB VIII 05 18 17 23.5–3.5 5.2S–.10 151.6E–.20 84–30 3.9b,4.1b
NEIC VIII 05 18 17 24.8–2.1 5.18S 151.59E 83–19 3.9b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=21.0km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=26.7km s-min=21.0km az=4.3.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=14.0km az=107.0.
IDC VIII 07 02 26 46.2–1.7 4.75S 152.80E 0 4.4,4.2b
¶12580951

IDC Error ellipse: s-maj=62.2km s-min=26.6km az=127.0.
ISC VIII 07 21 36 25.4–3.9 5.74S–.09 153.0E–.10 29–27 4.3b 29 7-90
IDC VIII 07 21 36 20.9–1.6 5.67S 152.98E 0 4.3,4.2 **¶11907933**
ISCJB VIII 07 21 36 24.7–.76 5.72S–.09 152.9E–.10 33 4.3b,4.2
NEIC VIII 07 21 36 25.2–.57 5.83S 153.18E 35 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=20.1km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=8.4km az=32.4.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=11.4km az=112.0.
IDC VIII 13 15 44 47.2–2.3 7.09S 150.72E 0 3.7,3.4
¶12581057

IDC Error ellipse: s-maj=145.9km s-min=29.2km az=127.0.
ISC VIII 13 22 08 18.0–.52 7.05S–.07 150.39E–.08 35 4.0b 27 4-149
IDC VIII 13 22 08 12.6–1.1 6.98S 150.43E 0 4.1,4.1 **¶11908183**
NEIC VIII 13 22 08 14.6–3.9 6.98S 150.40E 11–25 4.4b,4.1
ISCJB VIII 13 22 08 15.8–.53 7.08S–.07 150.40E–.08 33 4.0b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 14 22 20 28.3–2.4 7.54S 153.24E 0 3.9,3.7
¶12581085

IDC Error ellipse: s-maj=134.5km s-min=27.9km az=134.0.

ISC VIII 16 18 17 03.0–5.9 7.0S–.10 150.6E–.10 19–37 4.2b,3.3s 19 4-90
IDC VIII 16 18 16 59.7–1.5 6.99S 150.62E 0 4.2,4.1 **¶11908316**
ISCJB VIII 16 18 17 01.1–6.2 7.0S–.10 150.5E–.10 16–43 4.2b,3.3s
NEIC VIII 16 18 17 05.5–.66 7.06S 150.59E 40 4.5b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=51.9km s-min=19.5km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=27.8km s-min=14.6km az=35.8.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=9.4km az=115.0.
IDC VIII 16 18 36 27.2–1.6 6.79S 150.92E 0 4.0,3.8b
¶12581134

IDC Error ellipse: s-maj=69.3km s-min=26.5km az=126.0.
IDC VIII 17 04 10 31.8–2.2 4.22S 152.54E 0 3.8,3.6b
¶12581143

IDC Error ellipse: s-maj=99.8km s-min=28.7km az=120.0.
ISC VIII 17 18 30 11.7–1.4 7.2S–.20 150.8E–.20 35 3.7b 11 4-149
IDC VIII 17 18 30 06.9–1.8 7.11S 150.63E 0 3.9,3.8 **¶11908366**
ISCJB VIII 17 18 30 10.1–1.4 7.1S–.20 150.7E–.20 33 3.7b,3.8
NEIC VIII 17 18 30 15.0–3.0 7.25S 150.62E 63–22 3.7b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=60.7km s-min=22.9km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=41.2km s-min=10.4km az=41.5.
NEIC Event type se. Error ellipse: s-maj=39.3km s-min=17.9km az=113.0.
IDC VIII 18 14 33 50.1–2.0 6.07S 149.26E 0 3.6,3.4
¶12581174

IDC Error ellipse: s-maj=126.8km s-min=28.8km az=124.0.
IDC VIII 19 12 05 03.5–3.4 7.04S 150.79E 0 3.9,3.7
¶12581197

IDC Error ellipse: s-maj=114.1km s-min=45.4km az=123.0.
ISC VIII 19 13 48 37.3–3.3 6.2S–.20 149.6E–.30 75–27 3.6b 10 4-148
IDC VIII 19 13 48 26.9–1.3 6.16S 149.78E 0 4.6s,4.6 **¶11908436**
ISCJB VIII 19 13 48 36.1–3.4 6.1S–.20 149.4E–.30 75–27 3.6b,4.6
NEIC VIII 19 13 48 37.3–2.4 6.18S 149.56E 75–19 3.6b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=49.6km s-min=20.5km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=55.4km s-min=22.9km az=16.6.
NEIC Event type se. Error ellipse: s-maj=36.3km s-min=16.5km az=111.0.
IDC VIII 19 14 54 33.2–4.1 6.63S 149.75E 0 3.4,3.3
¶12581199

IDC Error ellipse: s-maj=163.5km s-min=49.3km az=117.0.
IDC VIII 20 06 58 40.2–1.3 4.46S 151.06E 0 3.9,3.6b
¶12581225

IDC Error ellipse: s-maj=97.7km s-min=25.1km az=129.0.
IDC VIII 20 12 51 58.8–3.1 7.64S 151.26E 0 3.8,3.5
¶12581234

IDC Error ellipse: s-maj=228.1km s-min=27.9km az=129.0.
IDC VIII 20 19 22 01.9–3.3 5.27S 151.69E 0 3.8,3.5b
¶12581239

IDC Error ellipse: s-maj=116.7km s-min=46.0km az=121.0.
IDC VIII 21 02 37 59.9–3.4 5.29S 149.64E 0 4.0,3.8
¶12581247

IDC Error ellipse: s-maj=106.6km s-min=45.5km az=118.0.
IDC VIII 21 05 14 50.1–2.9 4.17S 152.36E 0 4.1,3.9
¶12581249

IDC Error ellipse: s-maj=115.6km s-min=40.1km az=125.0.
IDC VIII 21 06 49 35.4–1.9 6.35S 149.76E 0 3.8s,3.8
¶12581253

IDC Error ellipse: s-maj=104.3km s-min=25.9km az=129.0.
IDC VIII 22 20 39 33.9–3.3 4.62S 150.97E 0 3.6,3.4b
¶12581297

IDC Error ellipse: s-maj=96.6km s-min=51.2km az=104.0.
IDC VIII 23 05 44 17.4–1.6 6.21S 151.84E 38–9 3.5,3.2
¶12581310

IDC Error ellipse: s-maj=103.2km s-min=21.3km az=127.0.
IDC VIII 25 06 54 42.1–1.9 6.49S 149.88E 0 3.9,3.7
¶12581372

IDC Error ellipse: s-maj=86.0km s-min=27.6km az=122.0.
IDC VIII 25 14 03 36.0–1.5 4.05S 152.79E 0 4.0,3.7b
¶12581382

IDC Error ellipse: s-maj=99.2km s-min=25.7km az=129.0.
IDC VIII 25 22 28 26.6–2.1 6.16S 152.03E 0 3.9,3.7s
¶12581406

IDC Error ellipse: s-maj=127.7km s-min=26.5km az=130.0.
IDC VIII 26 04 45 24.3–2.1 7.06S 150.75E 0 4.1,3.8
¶12581416

IDC Error ellipse: s-maj=104.0km s-min=28.3km az=131.0.
ISC VIII 26 21 16 24.5–2.8 6.97S–.09 150.3E–.20 52–24 4.6b 21 4-95
IDC VIII 26 21 16 17.2–1.2 6.98S 150.31E 0 4.5,4.4b **¶11908880**
NEIC VIII 26 21 16 22.9–2.6 6.96S 150.44E 44–21 4.5b,4.4b
ISCJB VIII 26 21 16 24.9–3.1 7.0S–.10 150.2E–.20 67–26 4.5b,4.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 27 17 07 21.1–2.1 4.81S 152.29E 0 3.6,3.3
¶12581472

IDC Error ellipse: s-maj=122.3km s-min=28.4km az=130.0.
IDC VIII 28 09 16 05.3–4.7 6.54S 149.30E 0 3.6L,3.4
¶12581495

IDC Error ellipse: s-maj=198.1km s-min=48.3km az=116.0.
IDC VIII 28 09 16 44.9–3.7 7.15S 150.76E 0 3.4,3.2
¶12581496

IDC Error ellipse: s-maj=149.7km s-min=48.0km az=121.0.
IDC VIII 28 14 18 15.4–2.0 6.65S 149.93E 0 3.9,3.7
¶12581505

IDC Error ellipse: s-maj=99.1km s-min=27.7km az=129.0.
ISC VIII 28 18 23 33.5–1.4 6.6S–.20 152.3E–.30 35 3.9b 9 22-150
IDC VIII 28 18 23 28.7–1.3 6.44S 152.20E 0 4.1,3.9b **¶11909021**
ISCJB VIII 28 18 23 31.6–1.4 6.5S–.20 152.3E–.30 33 3.9b,3.9b
NEIC VIII 28 18 23 33.4–1.1 6.54S 152.30E 35 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=19.6km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=45.7km s-min=16.8km az=24.3.
NEIC Event type se. Error ellipse: s-maj=38.5km s-min=14.5km az=115.0.
IDC VIII 28 21 26 31.6–2.2 5.76S 152.58E 0 3.8,3.6
¶12581516

IDC Error ellipse: s-maj=133.1km s-min=28.4km az=131.0.
IDC VIII 28 22 03 29.5–4.9 4.18S 151.58E 0 3.7,3.5b
¶12581517

IDC Error ellipse: s-maj=106.9km s-min=38.1km az=81.0.
IDC VIII 28 22 20 30.3–1.9 4.01S 152.41E 0 4.0,3.8
¶12581520

IDC Error ellipse: s-maj=61.2km s-min=25.9km az=117.0.
IDC VIII 30 03 58 20.8–1.9 5.02S 152.53E 0 4.0,3.8
¶12581559

IDC Error ellipse: s-maj=86.8km s-min=23.5km az=126.0.
IDC VIII 30 16 39 58.7–1.8 4.36S 152.38E 0 3.7,3.5
¶12581572

IDC Error ellipse: s-maj=65.6km s-min=25.7km az=125.0.
ISC VIII 30 17 05 49.6–3.2 6.4S–.10 150.2E–.10 55–27 4.1b,3.3s 18 4-148
IDC VIII 30 17 05 41.6–1.1 6.31S 150.46E 0 4.4,4.2 **¶11909124**
ISCJB VIII 30 17 05 48.2–3.3 6.4S–.10 150.3E–.20 61–28 4.1b,4.2
NEIC VIII 30 17 05 49.1–2.6 6.36S 150.35E 54–23 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=20.8km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=26.3km s-min=22.4km az=12.6.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=17.6km az=110.0.
IDC VIII 30 20 17 18.8–4.3 5.38S 151.19E 0 3.8,3.6
¶12581579

IDC Error ellipse: s-maj=118.8km s-min=33.3km az=107.0.
ISC VIII 31 05 26 17.3–2.8 5.1S–.20 152.5E–.20 80–26 4.1b 19 7-150
IDC VIII 31 05 26 06.7–1.2 5.02S 152.60E 0 4.3,4.1 **¶11909156**
ISCJB VIII 31 05 26 14.8–3.5 5.0S–.20 152.4E–.20 69–33 4.1b,4.1

NEIC VIII 31 05 26 17.4–2.0 5.10S 152.46E 82–19 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=19.0km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=41.5km s-min=19.1km az=137.8.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=12.4km az=135.0.
IDC VIII 31 06 16 52.3–1.8 5.24S 152.89E 0 3.8,3.6
¶12581591

IDC Error ellipse: s-maj=64.6km s-min=26.7km az=127.0.
IDC VIII 31 17 58 02.1–2.2 6.61S 149.99E 0 3.6,3.3
¶12581604

IDC Error ellipse: s-maj=141.2km s-min=30.6km az=127.0.
IDC VIII 31 18 56 49.4–2.2 6.53S 149.88E 0 3.6,3.3
¶12581605

IDC Error ellipse: s-maj=150.1km s-min=30.3km az=126.0.
IDC IX 01 01 36 46.2–2.1 5.80S 151.36E 0 4.1,3.8b
¶11909194

IDC Error ellipse: s-maj=107.0km s-min=29.1km az=130.0.
IDC IX 01 02 03 33.3–2.0 6.82S 150.44E 0 3.8,3.6
¶11909195

IDC Error ellipse: s-maj=110.0km s-min=27.3km az=130.0.
IDC IX 02 03 37 51.3–1.6 7.09S 150.68E 0 4.0,3.8
¶11909255

IDC Error ellipse: s-maj=60.9km s-min=24.5km az=118.0.
IDC IX 02 07 30 15.0–3.5 4.93S 151.43E 127–29 3.8,3.7b
¶11909266

IDC Error ellipse: s-maj=31.5km s-min=16.6km az=111.0.
IDC IX 04 12 46 20.0–3.9 6.63S 150.22E 0 3.4,3.3
¶11232462

IDC Error ellipse: s-maj=132.4km s-min=51.9km az=118.0.
ISC IX 04 12 58 01.6–5.2 6.4S–.20 150.6E–.20 34–38 4.0b 14 5-149
IDC IX 04 12 57 56.4–1.1 6.33S 150.58E 0 4.4,4.2b **¶11909459**
NEIC IX 04 12 57 58.0–1.5 6.30S 150.60E 10 4.4,4.2b
ISCJB IX 04 12 58 01.4–3.3 6.4S–.20 150.5E–.20 47–29 4.0b,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 05 07 52 35.4–6.0 5.24S 152.88E 0 3.7,3.5b
¶11909514

IDC Error ellipse: s-maj=104.6km s-min=75.7km az=175.0.
ISC IX 05 09 14 57.0–5.5 7.5S–.20 149.3E–.40 56–37 3.7b 10 3-86
IDC IX 05 09 14 45.1–1.4 7.38S 150.07E 0 3.9,3.8 **¶11909516**
ISCJB IX 05 09 14 56.1–5.2 7.5S–.20 149.3E–.30 61–35 3.7b,3.8
NEIC IX 05 09 14 56.0–4.3 7.49S 149.39E 51–30 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=51.6km s-min=22.8km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=58.3km s-min=36.7km az=170.3.
NEIC Event type se. Error ellipse: s-maj=42.9km s-min=25.7km az=79.0.
IDC IX 05 20 50 14.6–2.1 6.74S 150.54E 0 3.7,3.4b
¶11909554

IDC Error ellipse: s-maj=121.1km s-min=27.3km az=131.0.
IDC IX 05 22 19 38.3–2.3 6.69S 150.34E 0 3.8,3.5b
¶11909561

IDC Error ellipse: s-maj=116.0km s-min=29.8km az=130.0.
IDC IX 05 22 23 19.6–2.2 6.95S 150.69E 0 3.7,3.5
¶11909562

IDC Error ellipse: s-maj=124.7km s-min=28.5km az=130.0.
ISC IX 05 22 46 18.0–3.6 7.2S–.20 150.5E–.30 64–30 3.9b 14 4-149
IDC IX 05 22 46 09.7–1.9 6.97S 150.51E 0 3.9,3.8 **¶11909563**
ISCJB IX 05 22 46 17.2–3.7 7.1S–.20 150.4E–.30 68–30 3.7b,3.8
NEIC IX 05 22 46 17.4–2.7 7.17S 150.59E 62–22 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=68.1km s-min=22.2km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=50.8km s-min=24.1km az=37.1.
NEIC Event type se. Error ellipse: s-maj=37.2km s-min=17.3km az=119.0.
IDC IX 05 23 37 27.2–2.0 6.93S 150.38E 0 3.9,3.7
¶11909566

IDC Error ellipse: s-maj=84.5km s-min=24.9km az=127.0.
ISC IX 05 23 42 60.0–4.3 7.2S–.20 150.6E–.30 51–34 3.8b 10 4-149
IDC IX 05 23 42 53.4–2.0 6.99S 150.53E 0 4.0,3.8b **¶11909567**
ISCJB IX 05 23 42 59.0–4.3 7.1S–.20 150.5E–.30 54–33 3.8b,3.8b
NEIC IX 05 23 43 00.7–3.2 7.12S 150.53E 56–23 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=70.7km s-min=22.6km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=58.5km s-min=25.5km az=34.8.
NEIC Event type se. Error ellipse: s-maj=47.2km s-min=18.4km az=114.0.
IDC IX 06 04 07 03.5–3.5 4.30S 152.89E 0 3.6,3.4
¶11909581

IDC Error ellipse: s-maj=155.8km s-min=46.0km az=124.0.
IDC IX 06 04 51 26.0–2.3 6.96S 150.56E 0 3.7,3.5
¶11909584

IDC Error ellipse: s-maj=142.6km s-min=30.9km az=128.0.
IDC IX 06 17 00 29.2–1.5 4.45S 152.05E 0 4.6L,3.8
¶11909619

IDC Error ellipse: s-maj=38.5km s-min=29.1km az=101.0.
IDC IX 06 22 59 51.8–3.0 6.23S 148.20E 0 3.9s,3.9
¶11909647

IDC Error ellipse: s-maj=88.2km s-min=45.4km az=103.0.
IDC IX 07 13 47 19.4–3.1 7.27S 150.85E 0 3.4,3.2
¶11909732

IDC Error ellipse: s-maj=227.7km s-min=30.4km az=128.0.
IDC IX 07 15 36 38.7–3.4 6.74S 150.23E 0 3.6,3.4
¶11909737

IDC Error ellipse: s-maj=110.8km s-min=45.5km az=121.0.
ISC IX 08 03 31 19.0–4.0 6.2S–.20 150.6E–.30 41–32 3.8b 12 5-152
IDC IX 08 03 31 12.7–1.2 5.97S 150.54E 0 4.1,3.9b **¶11909780**
ISCJB IX 08 03 31 18.0–4.1 6.2S–.20 150.5E–.30 46–33 3.8b,3.9b
NEIC IX 08 03 31 21.0–3.6 5.92S 150.27E 58–29 3.8b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=49.8km s-min=23.7km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=45.7km s-min=23.6km az=24.6.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=26.4km az=112.0.
ISC IX 08 05 50 59.0–1.6 4.1S–.40 152.8E–.40 35 3.9b 7 22-152
IDC IX 08 05 50 54.4–1.1 4.07S 152.63E 0 4.4,4.1b **¶11909795**
NEIC IX 08 05 50 55.4–.73 4.10S 152.80E 10 4.4,4.1b
ISCJB IX 08 05 50 57.3–1.7 4.1S–.40 152.8E–.50 33 3.9b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 08 07 54 19.6–3.9 6.0S–.20 148.9E–.30 42–34 3.8b,3.8s 9 4-154
IDC IX 08 07 54 13.3–1.1 6.14S 149.33E 0 4.2,4.0 **¶11909804**
ISCJB IX 08 07 54 19.1–3.7 6.1S–.20 149.1E–.30 52–31 3.8b,3.8s
NEIC IX 08 07 54 19.9–2.9 6.12S 149.17E 47–23 3.8b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=52.5km s-min=23.5km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=60.4km s-min=25.8km az=33.8.
NEIC Event type se. Error ellipse: s-maj=37.7km s-min=21.0km az=133.0.
IDC IX 08 17 38 28.8–3.5 5.59S 151.25E 0 4.0,3.8
¶11909825

IDC Error ellipse: s-maj=118.8km s-min=49.1km az=121.0.
ISC IX 09 11 27 08.4–3.0 6.56S–.10 153.6E–.10 49–25 4.3b 31 7-152
IDC IX 09 11 27 01.4–.87 6.46S 153.61E 0 4.3,4.2 **¶11909871**
ISCJB IX 09 11 27 05.5–3.5 6.54S–.10 153.6E–.10 37–30 4.3b,4.2
NEIC IX 09 11 27 08.2–2.4 6.53S 153.56E 46–21 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=17.5km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=15.9km az=9.8.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=13.9km az=102.0.
IDC IX 09 17 24 42.1–5.7 6.88S 149.98E 0 3.5,3.3
¶11909889

IDC Error ellipse: s-maj=167.3km s-min=31.1km az=106.0.
IDC IX 11 16 24 17.7–2.2 6.87S 150.36E 0 3.7,3.5
¶11910051

IDC Error ellipse: s-maj=72.1km s-min=24.3km az=120.0.
IDC IX 12 20 14 20.4–2.0 7.00S 150.41E 0 4.0,3.8
¶11910129

IDC Error ellipse: s-maj=107.4km s-min=26.9km az=131.0.
IDC IX 14 04 53 13.5–3.1 4.72S 152.71E 0 4.0,3.8b
¶11910236

IDC Error ellipse: s-maj=85.0km s-min=31.6km az=108.0.
IDC IX 14 19 41 47.9–11 5.88S 149.00E 86–96 3.9,3.7
¶11910283

IDC Error ellipse: s-maj=94.8km s-min=26.2km az=102.0.
IDC IX 14 20 11 49.1–3.6 5.14S 151.87E 0 3.7,3.5b
¶11910288

IDC Error ellipse: s-maj=122.1km s-min=49.9km az=122.0.
IDC IX 14 20 25 28.3–3.6 6.48S 148.65E 0 4.1,3.9b
¶11910290

IDC Error ellipse: s-maj=108.6km s-min=47.7km az=118.0.
IDC IX 15 17 50 46.5–3.4 5.86S 149.63E 0 4.0,3.8
¶11910348

IDC Error ellipse: s-maj=97.9km s-min=27.7km az=108.0.
ISC IX 16 16 12 07.1–1.1 5.0S–.20 152.0E–.10 35 3.6b 9 7-150
IDC IX 16 16 12 02.8–3.0 4.89S 151.81E 0 4.0,3.7b **¶11910410**
ISCJB IX 16 16 12 04.6–1.1 5.0S–.20 152.0E–.10 33 3.6b,3.7b
NEIC IX 16 16 12 07.3–1.9 5.00S 152.02E 41–19 3.6b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=83.9km s-min=29.7km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=15.4km az=0.3.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=10.5km az=164.0.
IDC IX 16 20 17 53.4–3.3 5.57S 149.59E 0 4.3,4.1
¶11910425

IDC Error ellipse: s-maj=103.9km s-min=43.7km az=118.0.
ISC IX 16 20 20 49.7–1.2 5.72S–.08 148.5E–.10 208–13 3.8b 22 4-146
NEIC IX 16 20 20 50.1–1.6 5.75S 148.55E 218–19 3.8b **¶11910426**
IDC IX 16 20 20 52.6–2.1 5.73S 148.61E 244–21 3.8,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=14.5km az=124.0.
IDC Error ellipse: s-maj=24.0km s-min=9.0km az=113.0.
IDC IX 17 12 30 34.2–1.9 4.33S 152.74E 0 3.9,3.7b
¶11910474

IDC Error ellipse: s-maj=81.8km s-min=22.8km az=118.0.
IDC IX 20 02 59 46.4–3.4 5.08S 150.79E 0 3.9,3.7
¶11910681

IDC Error ellipse: s-maj=110.3km s-min=47.4km az=119.0.
ISC IX 21 18 41 29.3–1.7 5.7S–.20 148.4E–.40 176–20 3.8b 10 4-85
NEIC IX 21 18 41 27.4–2.2 5.51S 148.39E 158–26 3.8b **¶11910782**
IDC IX 21 18 41 31.7–3.3 5.65S 148.36E 200–29 3.8,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=53.5km s-min=17.5km az=125.0.
IDC Error ellipse: s-maj=49.5km s-min=11.9km az=118.0.
ISC IX 22 08 17 23.9–.89 6.09S–.04 151.04E–.04 41–8 5.1b,4.4s 221 5-156
BJI IX 22 08 17 15.8 6.50S 151.82E 35 5.2b,5.0s **¶13394948**
IDC IX 22 08 17 17.5–.49 6.02S 150.99E 0 5.0,5.0
ISCJB IX 22 08 17 17.0–1.3 6.00S–.04 151.02E–.04 3–8 5.1b,4.4s
MOS IX 22 08 17 22.9–1.2 5.87S 150.77E 33 5.2b,4.4s
NEIC IX 22 08 17 22.8–1.7 5.99S 150.96E 30–12 5.1b,4.4s
DJA IX 22 08 17 24 6.30S 151.35E 63 5.6b,4.4s
GCMT IX 22 08 17 24.3–.30 6.33S 151.16E 20–1 5.0W,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=10.1km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=44.8.
MOS Error ellipse: s-maj=11.7km s-min=7.4km az=84.9.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=5.2km az=134.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s26,c30; s75,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}1.77±.22 $M_{\theta\theta}$2.85±.14; $M_{\phi\phi}$-4.62±.17; $M_{r\theta}$1.32±.31; $M_{\theta\phi}$1.42±.13; $M_{\phi r}$0.25±.26; Best double couple: NP1:ϕ_s129.00000°,δ68.00000°,λ24.00000°. NP2:ϕ_s30.00000°,δ68.00000°,λ156.00000°. Principal axes: T 3.9400,Plg32.0000° ,Azm350.0000°; N 0.9400,Plg58.0000°,Azm170.0000°; P -4.8800,Plg0.0000°,Azm80.0000° M_o4.40000×10^{16}
IDC IX 22 12 20 46.8–2.1 5.99S 151.15E 0 4.3,4.0b
¶11910827

IDC Error ellipse: s-maj=86.4km s-min=24.2km az=123.0.
IDC IX 22 14 21 52.6–2.1 5.47S 150.60E 0 3.9,3.7
¶11910829

IDC Error ellipse: s-maj=71.9km s-min=24.4km az=117.0.
IDC IX 22 15 12 07.8–3.2 4.78S 152.81E 0 3.8,3.6b
¶11910834

IDC Error ellipse: s-maj=82.7km s-min=37.1km az=108.0.
IDC IX 23 08 09 28.4–1.4 5.55S 150.73E 0 4.2,3.9b
¶11910878

IDC Error ellipse: s-maj=79.5km s-min=25.2km az=120.0.
ISC IX 24 01 09 51.8–4.0 5.5S–.20 152.4E–.30 71–31 3.9b 12 7-150
IDC IX 24 01 09 42.5–1.4 5.44S 152.48E 0 4.3,4.1 **¶11910908**
ISCJB IX 24 01 09 49.6–4.7 5.5S–.20 152.4E–.30 66–36 3.9b,4.1
NEIC IX 24 01 09 51.7–2.9 5.52S 152.44E 70–22 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=46.6km s-min=19.3km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=50.0km s-min=23.9km az=12.2.
NEIC Event type se. Error ellipse: s-maj=31.1km s-min=14.7km az=103.0.
ISC IX 24 06 35 19.5–.90 4.77S–.08 151.6E–.20 35 4.5b 23 6-85
IDC IX 24 06 35 13.8–1.1 4.74S 151.67E 0 4.3,4.2 **¶11910921**
ISCJB IX 24 06 35 17.6–.90 4.75S–.08 151.5E–.20 33 4.5b,4.2
NEIC IX 24 06 35 19.7–2.4 4.76S 151.53E 37–21 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=17.0km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=10.4km az=14.4.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=13.6km az=97.0.
ISC IX 24 16 58 38.9–1.1 5.9S–.20 151.1E–.10 35 3.8b 11 5-84
IDC IX 24 16 58 33.9–1.4 5.82S 151.02E 0 4.3L,4.2 **¶11910936**
ISCJB IX 24 16 58 36.9–1.1 5.9S–.20 151.2E–.10 33 3.8b,4.2
NEIC IX 24 16 58 40.6–2.1 5.96S 151.15E 52–20 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=25.1km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=26.6km s-min=13.3km az=165.8.
NEIC Event type se. Error ellipse: s-maj=30.5km s-min=12.1km az=162.0.
IDC IX 24 20 38 29.6–3.8 6.47S 151.89E 0 3.6,3.3
¶11910959

IDC Error ellipse: s-maj=170.8km s-min=48.6km az=122.0.
ISC IX 25 15 53 32.3–1.6 6.08S–.08 149.8E–.10 62–13 4.2b 27 4-152
ISCJB IX 25 15 53 27.7–1.8 5.99S–.08 149.9E–.10 36–15 4.2b,3.6s **¶11911021**
IDC IX 25 15 53 30.1–.84 6.09S 149.77E 43–5 4.1,4.0
NEIC IX 25 15 53 31.4–1.5 6.06S 149.83E 56–13 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=10.2km az=23.3.
IDC Error ellipse: s-maj=27.7km s-min=10.2km az=115.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.4km az=92.0.
ISC IX 26 06 43 03.5–1.4 5.2S–.20 152.9E–.20 35 4.1b,3.0s 12 20-151
IDC IX 26 06 42 57.5–1.0 5.16S 153.04E 0 4.2,4.0 **¶11911072**
ISCJB IX 26 06 43 01.7–1.4 5.1S–.20 152.9E–.20 33 4.1b,3.0s
NEIC IX 26 06 43 02.8–.64 5.09S 152.94E 35 4.2b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=26.7km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=32.3km s-min=23.5km az=177.9.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=15.5km az=140.0.
ISC IX 26 07 39 46.5–1.7 4.8S–.20 150.9E–.20 254–16 4.3b 21 6-94
ISCJB IX 26 07 39 46.5–2.2 4.8S–.20 150.9E–.20 270–20 4.2b **¶11911073**
NEIC IX 26 07 39 46.9–2.0 4.75S 150.84E 258–19 4.6b
IDC IX 26 07 39 47.5–3.1 4.85S 150.98E 267–32 4.0,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.8km s-min=19.1km az=35.0.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=16.1km az=124.0.
IDC Error ellipse: s-maj=40.8km s-min=11.7km az=124.0.

ISC IX 26 08 49 24.2–.43 6.65S–.05 153.91E–.08 35 4.7b,3.7s 63 7-152
IDC IX 26 08 49 18.8–.64 6.60S 153.89E 0 4.7b,4.7 ¶11911081
BJI IX 26 08 49 21.7 6.18S 153.59E 10 4.9b,4.7b
ISCJB IX 26 08 49 22.4–.41 6.63S–.05 153.87E–.07 33 4.7b,3.7s
NEIC IX 26 08 49 24.4–.32 6.62S 153.83E 35 4.9b,3.7s
GCMT IX 26 08 49 24.6–.30 6.70S 153.65E 20–1 4.9W,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=13.7km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=6.4km az=28.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.0km az=112.0.
GCMT Event type se. Data Used: IU IC II CN G. Moment Tensor Solution. s23,c25; s60,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.83±.19 $M_{\theta\theta}$2.25±.13; $M_{\phi\phi}$0.59±.12; $M_{r\theta}$-0.77±.21; $M_{\theta\phi}$-1.09±.07; $M_{\theta r}$0.74±.23; Best double couple: NP1:ϕ_s291.00000°,δ35.00000°,λ-100.00000°. NP2:ϕ_s122.00000°,δ55.00000°,λ-83.00000°. Principal axes: T 2.9700,Plg10.0000° ,Azm207.0000°; N 0.0800,Plg6.0000°,Azm298.0000°; P -3.0400,Plg78.0000°,Azm57.0000° M_o3.00000×10^{16}
IDC IX 27 00 08 28.2–3.3 4.23S 152.94E 0 3.6,3.5b
¶11911131
IDC Error ellipse: s-maj=123.5km s-min=33.0km az=117.0.
IDC IX 27 06 21 12.5–2.2 5.64S 152.17E 0 3.7,3.5
¶11911170
IDC Error ellipse: s-maj=125.4km s-min=28.4km az=129.0.
IDC IX 29 13 22 08.4–2.2 4.05S 152.50E 0 3.6,3.4
¶11911341
IDC Error ellipse: s-maj=191.9km s-min=28.0km az=126.0.
ISC X 01 12 03 56.6–1.3 4.71S–.07 152.88E–.05 62–12 4.4b 45 7-151
ISCJB X 01 12 03 54.1–1.7 4.66S–.08 152.93E–.06 57–16 4.4b,3.6s ¶11911550
NEIC X 01 12 03 58.9–.42 4.82S 152.89E 83 4.8b,3.6s
IDC X 01 12 03 58.3–.78 4.72S 152.91E 76–6 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=9.8km az=1.8.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=10.3km az=163.0.
IDC Error ellipse: s-maj=16.0km s-min=11.0km az=116.0.
ISC X 01 15 24 01.7–.95 5.27S–.04 150.94E–.05 163–9 4.6b 107 6-152
ISCJB X 01 15 23 60.0–1.0 5.23S–.05 150.92E–.05 161–10 4.6b ¶11322866
NEIC X 01 15 24 00.5–.23 5.19S 150.91E 153 4.6b
BJI X 01 15 24 01.1 5.12S 151.41E 185 4.8b,4.7b
IDC X 01 15 24 01.1–.74 5.28S 150.87E 158–6 4.4,4.4
DJA X 01 15 24 08 5.34S 150.37E 182 4.9b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=7.5km az=12.7.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.7km az=97.0.
IDC Error ellipse: s-maj=13.5km s-min=8.1km az=106.0.
IDC X 01 15 47 38.3–3.7 4.94S 151.65E 0 3.9,3.6b
¶11911556
IDC Error ellipse: s-maj=142.3km s-min=47.0km az=121.0.
IDC X 02 04 55 28.2–3.6 5.05S 151.56E 0 4.2,3.9b
¶11911685
IDC Error ellipse: s-maj=114.5km s-min=50.9km az=119.0.
IDC X 03 19 09 17.4–2.0 5.53S 152.04E 0 4.0,3.7b
¶12065805
IDC Error ellipse: s-maj=106.5km s-min=28.3km az=130.0.
IDC X 05 00 57 01.5–2.1 4.03S 152.64E 0 4.1s,4.1
¶12065951
IDC Error ellipse: s-maj=91.1km s-min=38.5km az=132.0.
ISC X 05 20 22 10.1–4.2 5.9S–.20 150.9E–.30 98–28 4.0b 15 5-149
IDC X 05 20 21 54.8–1.9 5.71S 151.45E 0 4.3,4.1b ¶12066059
NEIC X 05 20 22 07.2–2.9 5.83S 151.22E 94–20 4.3b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=66.0km s-min=26.0km az=108.0.
NEIC Event type se. Error ellipse: s-maj=36.6km s-min=17.4km az=104.0.
IDC X 06 13 04 06.4–3.8 5.25S 151.34E 0 3.9,3.6b
¶12066150
IDC Error ellipse: s-maj=158.4km s-min=49.7km az=118.0.
IDC X 06 17 30 37.0–2.1 6.95S 151.04E 0 3.9,3.6
¶12066168
IDC Error ellipse: s-maj=109.7km s-min=26.9km az=131.0.
ISC X 06 19 47 51.2–2.1 6.57S–.07 153.87E–.10 46–19 4.6b,3.5s 59 7-152
IDC X 06 19 47 44.3–.80 6.61S 153.94E 0 4.7,4.6 ¶11525925
BJI X 06 19 47 46.2 6.60S 153.70E 25 5.0b,4.8b
ISCJB X 06 19 47 49.0–2.8 6.57S–.08 153.8E–.10 41–24 4.6b,3.5s
NEIC X 06 19 47 54.0–2.2 6.54S 153.76E 69–20 4.6b,3.5s
DJA X 06 19 47 57 6.40S 153.40E 57 4.8b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=17.1km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=12.0km az=162.7.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=11.2km az=74.0.
ISC X 07 01 29 10.4–3.1 5.0S–.10 151.6E–.20 140–24 4.0b 29 6-149
IDC X 07 01 29 07.5–3.9 5.07S 151.68E 116–31 3.9,3.8b ¶12066242
ISCJB X 07 01 29 09.2–3.2 5.0S–.10 151.5E–.20 143–25 4.0b,3.8b
NEIC X 07 01 29 12.0–2.4 5.11S 151.43E 146–17 4.3b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=19.3km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=29.6km s-min=22.0km az=8.7.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=13.4km az=73.0.
ISC X 08 07 09 39.6–1.7 5.20S–.07 152.77E–.07 52–15 4.8b,3.8s 109 7-158
IDC X 08 07 09 32.1–.78 5.10S 152.78E 0 4.6,4.6 ¶12066318
ISCJB X 08 07 09 35.9–.35 5.14S–.05 152.77E–.07 33 4.8b,3.8s
NEIC X 08 07 09 38.4–1.7 5.15S 152.79E 42–16 4.9b,3.8s
DJA X 08 07 09 41 5.04S 152.58E 50 4.9b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=14.7km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=5.8km az=31.9.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=9.0km az=95.0.
ISC X 08 11 56 28.4–3.0 4.9S–.20 152.0E–.20 154–28 3.6b 22 7-150
IDC X 08 11 56 09.9–1.4 4.75S 152.09E 0 4.0,3.9 ¶12066331
ISCJB X 08 11 56 28.1–3.2 4.9S–.20 151.8E–.20 161–30 3.6b,3.9
NEIC X 08 11 56 28.4–2.2 4.94S 151.95E 155–19 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=45.8km s-min=22.5km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=43.1km s-min=25.0km az=43.4.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=15.6km az=129.0.
IDC X 12 07 03 37.2–3.4 5.50S 149.94E 0 3.8,3.5
¶12068445
IDC Error ellipse: s-maj=127.6km s-min=44.4km az=115.0.
ISC X 12 08 25 07.2–5.1 4.8S–.20 152.9E–.30 68–33 4.0b 17 7-86
IDC X 12 08 24 56.9–1.7 4.55S 153.09E 0 4.3,4.2b ¶12068451
ISCJB X 12 08 25 01.8–5.9 4.6S–.20 153.1E–.30 42–40 4.1b,4.2b
NEIC X 12 08 25 01.9–1.1 4.56S 153.13E 35 4.6b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=43.0km s-min=29.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=51.4km s-min=29.2km az=137.5.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=17.6km az=99.0.
IDC X 12 23 54 04.8–6.3 6.12S 148.42E 0 3.8,3.6
¶12068504
IDC Error ellipse: s-maj=276.6km s-min=49.3km az=114.0.
IDC X 13 16 51 40.8–1.8 6.07S 149.19E 0 4.3,4.0
¶12068562
IDC Error ellipse: s-maj=107.2km s-min=28.6km az=124.0.
IDC X 14 06 07 01.1–3.6 4.40S 151.81E 0 3.9,3.6b
¶12068598
IDC Error ellipse: s-maj=148.7km s-min=46.6km az=118.0.
IDC X 15 02 34 04.4–3.5 4.07S 152.94E 0 4.1,3.8b
¶12068655
IDC Error ellipse: s-maj=165.9km s-min=44.6km az=120.0.
IDC X 15 12 51 49.0–26 7.31S 153.23E 0 3.5,3.4
¶12068683
IDC Error ellipse: s-maj=439.0km s-min=103.2km az=24.0.
IDC X 15 18 43 10.7–2.1 5.98S 151.43E 0 3.8,3.4b
¶12068703
IDC Error ellipse: s-maj=129.4km s-min=30.2km az=126.0.

IDC X 15 23 38 32.6–4.4 6.15S 149.28E 0 3.6,3.3
¶12068718
IDC Error ellipse: s-maj=168.4km s-min=49.9km az=115.0.
ISC X 16 15 56 06.6–3.5 4.3S–.20 151.0E–.30 80–31 3.9b 20 6-148
IDC X 16 15 55 56.6–1.7 4.12S 151.11E 0 4.1,3.9 ¶12068785
ISCJB X 16 15 56 03.8–4.1 4.2S–.20 151.0E–.30 66–35 3.9b,3.9
NEIC X 16 15 56 06.5–3.1 4.27S 150.98E 78–26 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=56.9km s-min=23.1km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=60.0km s-min=25.0km az=20.5.
NEIC Event type se. Error ellipse: s-maj=44.9km s-min=19.7km az=111.0.
ISC X 16 15 58 22.1–1.7 4.06S–.07 150.5E–.10 87–15 4.4b 66 6-155
IDC X 16 15 58 09.5–1.3 3.97S 150.92E 0 4.4,4.3 ¶11357457
NEIC X 16 15 58 16.1–.53 3.88S 150.63E 35 4.7b,4.3
ISCJB X 16 15 58 18.4–1.8 3.99S–.07 150.6E–.10 69–16 4.4b,4.3
BJI X 16 15 58 25.9 3.09S 150.33E 86 4.8b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=17.9km az=106.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=7.5km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=11.2km az=2.6.
ISC X 16 16 00 09.8–1.5 4.09S–.07 150.61E–.09 83–14 4.5b 71 6-155
IDC X 16 15 59 58.6–.69 3.89S 150.74E 0 4.5,4.5 ¶11357458
NEIC X 16 16 00 04.0–.45 3.89S 150.66E 35 4.7b,4.5
ISCJB X 16 16 00 06.2–1.6 4.03S–.07 150.65E–.08 66–14 4.4b,4.5
BJI X 16 16 00 07.7 3.83S 150.99E 85 4.9b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=17.1km az=97.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.9km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=10.9km az=171.0.
IDC X 16 16 01 28.1–3.9 4.19S 151.09E 0 4.1,3.8
¶11357459
IDC Error ellipse: s-maj=161.3km s-min=47.3km az=115.0.
ISC X 16 16 02 00.5–1.5 4.01S–.06 150.60E–.08 70–13 4.5b 86 6-155
IDC X 16 16 01 51.4–.57 3.90S 150.67E 0 4.6,4.6 ¶12068786
ISCJB X 16 16 01 56.9–1.5 3.95S–.06 150.61E–.07 52–13 4.6b,4.0s
NEIC X 16 16 01 56.7–.32 3.89S 150.59E 35 4.8b,4.0s
BJI X 16 16 01 57.3 3.77S 150.68E 61 4.9b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=14.6km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=9.5km az=175.3.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.7km az=96.0.
IDC X 16 16 14 15.7–2.0 4.16S 151.38E 0 3.7,3.4b
¶12068793
IDC Error ellipse: s-maj=134.4km s-min=27.6km az=124.0.
IDC X 16 16 30 34.2–3.5 4.04S 150.96E 0 3.7,3.4b
¶12068796
IDC Error ellipse: s-maj=140.4km s-min=45.5km az=115.0.
ISC X 16 16 55 24.7–3.3 4.1S–.20 150.5E–.30 89–31 3.6b 19 6-148
IDC X 16 16 55 13.7–1.8 3.89S 150.67E 0 4.0,3.8 ¶12068799
ISCJB X 16 16 55 22.2–3.9 4.0S–.20 150.5E–.30 78–35 3.6b,3.8
NEIC X 16 16 55 23.4–3.0 4.05S 150.53E 77–27 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=57.9km s-min=23.1km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=58.9km s-min=24.7km az=21.1.
NEIC Event type se. Error ellipse: s-maj=45.3km s-min=19.7km az=112.0.
IDC X 16 18 41 57.8–3.3 4.14S 150.91E 0 3.9,3.7b
¶12068816
IDC Error ellipse: s-maj=126.4km s-min=30.9km az=110.0.
ISC X 16 19 23 07.2–3.5 4.2S–.20 151.2E–.30 69–30 3.9b 19 7-149
IDC X 16 19 22 58.9–1.8 3.99S 151.18E 0 4.1,3.9 ¶12068824
ISCJB X 16 19 23 04.5–4.0 4.1S–.20 151.1E–.30 55–33 4.0b,3.5s
NEIC X 16 19 23 07.0–3.3 4.17S 151.13E 67–29 4.3b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=57.9km s-min=21.1km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=58.9km s-min=22.6km az=18.8.
NEIC Event type se. Error ellipse: s-maj=49.9km s-min=21.4km az=116.0.
IDC X 16 23 42 38.8–6.7 6.74S 148.98E 0 3.5,3.4
¶12068843
IDC Error ellipse: s-maj=203.7km s-min=34.6km az=107.0.
IDC X 17 13 19 42.3–6.1 6.62S 150.58E 65–51 3.5,3.3
¶12068887
IDC Error ellipse: s-maj=112.4km s-min=35.1km az=130.0.
IDC X 17 20 01 12.4–1.8 4.87S 152.90E 0 3.8,3.5b
¶12068918
IDC Error ellipse: s-maj=66.6km s-min=28.9km az=123.0.
IDC X 17 22 08 53.9–3.2 4.99S 152.52E 0 3.8,3.7
¶12068928
IDC Error ellipse: s-maj=99.0km s-min=29.6km az=107.0.
ISC X 18 07 00 13.1–1.9 5.97S–.07 149.4E–.10 89–16 4.2b 50 4-147
IDC X 18 07 00 11.1–.78 5.97S 149.65E 76–5 4.2,4.1 ¶12068959
ISCJB X 18 07 00 13.0–2.1 5.99S–.07 149.3E–.10 103–18 4.2b,4.1
NEIC X 18 07 00 13.5–1.6 5.98S 149.38E 95–14 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=8.2km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=12.3km az=176.7.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.3km az=90.0.
IDC X 18 23 49 39.7–2.2 4.12S 151.15E 0 3.6,3.4
¶12069006
IDC Error ellipse: s-maj=191.3km s-min=29.1km az=125.0.
NEIC X 20 06 50 11.3–1.8 6.35S 150.28E 35 3.8b
IDC X 20 06 50 06.6–2.6 6.36S 150.31E 0 3.7,3.6 ¶12069112
NEIC Event type se. Error ellipse: s-maj=53.5km s-min=25.9km az=126.0.
IDC Error ellipse: s-maj=76.3km s-min=38.5km az=122.0.
IDC X 20 16 12 29.6–7.1 7.83S 149.19E 100–46 3.0,2.8
¶12069139
IDC Error ellipse: s-maj=104.6km s-min=54.9km az=123.0.
ISC X 20 20 50 55.5–2.1 5.49S–.09 151.7E–.10 63–18 4.3b 44 6-149
IDC X 20 20 50 52.0–3.0 5.44S 151.62E 30–20 4.4,4.2 ¶12069161
NEIC X 20 20 50 57.5–2.1 5.45S 151.51E 75–18 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=13.8km az=119.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=12.5km az=91.0.
ISC X 22 00 38 00.1–2.9 6.7S–.10 150.4E–.20 81–23 3.7b 16 4-148
ISCJB X 22 00 37 58.7–3.3 6.7S–.10 150.3E–.20 86–26 3.7b ¶12070767
IDC X 22 00 37 59.9–7.8 6.70S 150.33E 75–56 3.9,3.8b
NEIC X 22 00 38 00.5–2.1 6.71S 150.29E 83–15 4.2b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.5km s-min=17.6km az=7.1.
IDC Error ellipse: s-maj=114.2km s-min=50.0km az=127.0.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=10.2km az=94.0.
IDC X 22 14 50 38.7–2.3 6.81S 151.04E 0 3.7,3.5
¶12070803
IDC Error ellipse: s-maj=128.6km s-min=28.6km az=131.0.
IDC X 22 20 21 54.8–1.9 5.54S 151.50E 0 3.8,3.6
¶12070832
IDC Error ellipse: s-maj=123.0km s-min=26.7km az=130.0.
IDC X 22 20 36 28.1–3.4 5.59S 149.89E 0 3.6,3.4
¶12070835
IDC Error ellipse: s-maj=109.7km s-min=45.9km az=118.0.
IDC X 22 21 04 16.0–3.7 5.74S 150.28E 0 3.6,3.4
¶12070837
IDC Error ellipse: s-maj=112.5km s-min=51.0km az=119.0.
IDC X 22 21 46 38.8–2.7 5.78S 150.36E 0 3.8,3.6
¶12070843
IDC Error ellipse: s-maj=70.5km s-min=41.3km az=113.0.
IDC X 26 05 29 22.0–3.8 5.99S 151.81E 0 3.4,3.3
¶12071131
IDC Error ellipse: s-maj=167.1km s-min=50.0km az=120.0.
IDC X 26 16 47 09.0–8.8 5.96S 151.51E 59–63 3.4,3.3
¶12071169
IDC Error ellipse: s-maj=93.8km s-min=54.7km az=129.0.

IDC X 26 18 29 19.4–3.5 4.85S 151.04E 109–25 3.8,3.6b ¶12071180
IDC Error ellipse: s-maj=90.0km s-min=23.6km az=127.0.
ISC X 27 09 39 08.4–6.4 6.1S–.20 153.9E–.20 7–43 3.9b 24 7-152
NEIC X 27 09 39 06.6–.81 6.39S 154.29E 10 3.9b **¶12071227**
IDC X 27 09 39 16.6–1.6 5.81S 153.34E 45–9 3.9,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=14.3km az=124.0.
IDC Error ellipse: s-maj=45.1km s-min=16.0km az=122.0.
IDC X 27 19 07 03.9–2.7 6.44S 153.93E 0 3.8,3.6b ¶12071263
IDC Error ellipse: s-maj=96.6km s-min=29.0km az=111.0.
IDC X 27 23 14 38.4–3.8 5.05S 148.21E 0 4.0,3.7 ¶12071291
IDC Error ellipse: s-maj=113.1km s-min=46.1km az=112.0.
ISC X 28 15 55 30.3–4.5 5.2S–.20 152.0E–.30 54–33 4.1b 20 6-81
IDC X 28 15 55 23.5–2.3 5.13S 151.97E 0 5.3s,5.3 **¶12071344**
ISCJB X 28 15 55 28.2–4.9 5.2S–.20 151.9E–.30 49–37 4.1b,5.3
NEIC X 28 15 55 32.8–4.9 5.22S 151.70E 63–33 4.4b,5.3
ISC Event type se.
IDC Error ellipse: s-maj=60.3km s-min=20.2km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=46.0km s-min=23.9km az=15.3.
NEIC Event type se. Error ellipse: s-maj=59.3km s-min=21.9km az=95.0.
IDC X 28 19 40 50.8–3.5 6.49S 153.04E 0 3.5,3.3 ¶12071367
IDC Error ellipse: s-maj=159.2km s-min=48.0km az=124.0.
IDC X 29 11 02 40.2–4.7 4.21S 152.82E 0 3.8,3.6b ¶12071452
IDC Error ellipse: s-maj=128.0km s-min=34.0km az=106.0.
IDC X 30 12 03 11.7–5.9 6.01S 153.99E 76–46 3.5,3.5L ¶12071620
IDC Error ellipse: s-maj=48.1km s-min=26.9km az=115.0.
IDC X 30 15 57 11.1–3.3 4.62S 152.35E 0 3.6,3.4 ¶12071637
IDC Error ellipse: s-maj=120.6km s-min=46.0km az=123.0.
ISC X 30 18 40 39.9–3.9 5.0S–.30 152.9E–.30 76–30 3.3b 15 7-150
IDC X 30 18 40 36.4–5.9 4.97S 153.05E 49–52 3.6,3.4 **¶12071654**
ISCJB X 30 18 40 37.7–4.6 4.9S–.30 152.8E–.40 69–36 3.3b,3.4
NEIC X 30 18 40 38.8–3.2 5.05S 153.06E 73–24 3.7b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=61.6km s-min=33.3km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=67.4km s-min=30.0km az=33.3.
NEIC Event type se. Error ellipse: s-maj=49.2km s-min=21.6km az=121.0.
IDC X 30 21 40 33.7–1.4 6.04S 151.28E 0 4.0,3.9 ¶12071672
IDC Error ellipse: s-maj=62.1km s-min=23.6km az=125.0.
IDC X 31 23 30 56.9–3.4 5.88S 148.60E 0 3.9,3.8 ¶12071791
IDC Error ellipse: s-maj=90.0km s-min=34.7km az=104.0.
IDC XI 02 00 52 13.1–3.5 4.91S 151.92E 0 3.8,3.6 ¶12071932
IDC Error ellipse: s-maj=118.1km s-min=49.4km az=122.0.
ISC XI 02 05 52 13.9–4.2 6.3S–.20 152.1E–.30 41–33 3.8b 19 6-150
IDC XI 02 05 52 08.1–1.8 6.17S 152.13E 0 4.1,3.9 **¶12071953**
ISCJB XI 02 05 52 12.7–4.7 6.2S–.20 152.0E–.30 39–37 3.8b,3.9
NEIC XI 02 05 52 14.4–3.5 6.24S 152.09E 44–25 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=63.3km s-min=19.3km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=54.8km s-min=23.9km az=33.8.
NEIC Event type se. Error ellipse: s-maj=49.2km s-min=17.4km az=114.0.
IDC XI 02 18 37 52.5–2.1 5.85S 152.73E 0 3.9s,3.9 ¶12072014
IDC Error ellipse: s-maj=142.8km s-min=28.2km az=127.0.
IDC XI 03 04 59 33.8–8.3 7.03S 150.00E 52–62 3.9,3.9s ¶12072072
IDC Error ellipse: s-maj=51.8km s-min=42.8km az=46.0.
ISC XI 03 05 19 40.6–6.2 5.2S–.20 150.3E–.20 18–39 3.8b 20 5-148
IDC XI 03 05 19 37.8–1.1 5.30S 150.49E 0 4.2,3.9 **¶12072075**
ISCJB XI 03 05 19 41.3–.92 5.3S–.20 150.3E–.20 33 3.8b,3.9
NEIC XI 03 05 19 43.1–.72 5.31S 150.36E 35 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=69.7km s-min=20.4km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=38.7km s-min=11.3km az=38.2.
NEIC Event type se. Error ellipse: s-maj=34.9km s-min=11.9km az=130.0.
ISC XI 06 05 10 28.0–1.5 5.14S–.08 151.53E–.08 162–14 4.6b 93 6-149
IDC XI 06 05 10 22.2–.71 5.03S 151.77E 118–5 4.3,4.2 **¶11396241**
NEIC XI 06 05 10 22.7–.33 4.94S 151.65E 118 4.6b,4.2
ISCJB XI 06 05 10 24.8–1.5 5.03S–.07 151.56E–.08 147–14 4.6b,4.2
BJI XI 06 05 10 26.0 5.35S 151.67E 176 4.7b,4.7b
DJA XI 06 05 10 30 4.99S 151.10E 151 4.7b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=10.8km az=117.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.5km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=11.6km az=20.1.
IDC XI 06 05 24 10.0–3.8 4.73S 151.52E 0 3.7,3.4 ¶12072497
IDC Error ellipse: s-maj=160.3km s-min=47.9km az=117.0.
ISC XI 06 16 35 29.9–.26 6.32S–.03 148.20E–.04 87 4.8b 202 3-153
MOS XI 06 16 35 23.1–1.0 6.06S 148.01E 33 5.0b **¶11396263**
BJI XI 06 16 35 27.8 6.26S 148.51E 96 5.0b,5.0b
ISCJB XI 06 16 35 28.1–.25 6.29S–.03 148.19E–.04 85 4.8b,5.0b
IDC XI 06 16 35 28.2–1.1 6.27S 148.04E 64–9 4.6,4.6
NEIC XI 06 16 35 28.6–1.0 6.23S 148.18E 78–9 4.9b,4.6
GCMT XI 06 16 35 30.4–.30 6.32S 148.16E 58–2 4.9W,4.6
DJA XI 06 16 35 35 6.66S 147.73E 75 5.3b,4.6
ISC Event type se.
MOS Error ellipse: s-maj=10.7km s-min=7.1km az=95.4.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=3.0.
IDC Error ellipse: s-maj=13.8km s-min=7.9km az=100.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.6km az=67.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s33,c41; s67,c102; Moment tensor: Scale 10^{16}Nm; M_{rr}2.01±.14 $M_{\theta\theta}$0.72±.11; $M_{\phi\phi}$-2.74±.10; $M_{r\theta}$1.40±.07; $M_{\theta\phi}$0.10±.10; $M_{\phi r}$-1.16±.09; Best double couple: NP1:ϕ_s26.00000°,δ39.00000°,λ138.00000°. NP2:ϕ_s151.00000°,δ65.00000°,λ59.00000°. Principal axes: T 3.0600,Plg58.0000° ,Azm18.0000°; N -0.0100,Plg28.0000°,Azm165.0000°; P -3.0600,Plg15.0000° ,Azm263.0000° M_o3.10000×10^{16}
IDC XI 07 00 06 09.3–2.0 5.95S 151.27E 0 3.8,3.5 ¶12072603
IDC Error ellipse: s-maj=126.1km s-min=28.8km az=126.0.
IDC XI 07 00 59 00.8–2.6 6.66S 153.66E 0 3.7,3.4 ¶12072609
IDC Error ellipse: s-maj=179.1km s-min=29.7km az=130.0.
ISC XI 07 02 04 41.4–1.2 4.0S–.30 152.8E–.30 35 3.8b 12 22-150
IDC XI 07 02 04 35.9–1.2 4.07S 152.91E 0 4.1,3.9b **¶12072613**
ISCJB XI 07 02 04 39.7–1.2 4.0S–.30 152.8E–.30 33 3.8b,3.9b
NEIC XI 07 02 04 41.2–.78 4.04S 152.83E 35 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=66.8km s-min=25.6km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=51.3km s-min=21.4km az=136.3.
NEIC Event type se. Error ellipse: s-maj=34.9km s-min=14.7km az=135.0.
ISC XI 07 19 44 21.4–.54 6.14S–.08 151.28E–.07 35 4.4b,4.1s 44 5-149
IDC XI 07 19 44 16.6–.84 6.03S 151.21E 0 4.5,4.4 **¶12072737**
NEIC XI 07 19 44 17.7–5.2 6.04S 151.27E 9–33 4.9b,4.4
ISCJB XI 07 19 44 19.7–.63 6.07S–.09 151.2E–.10 33 4.4b,4.1s
GCMT XI 07 19 44 26.2–.30 6.26S 151.25E 22–1 5.0W,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=15.8km az=120.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=9.1km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=8.4km az=37.7.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s25,c37; s62,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.26 $M_{\theta\theta}$-3.04±.16; $M_{\phi\phi}$-0.40±.15; $M_{r\theta}$1.67±.21; $M_{\theta\phi}$-1.26±.10; $M_{\phi r}$1.21±.27; Best double couple: NP1:ϕ_s256.00000°,δ30.00000°,λ103.00000°. NP2:ϕ_s61.00000°,δ60.00000°,λ83.00000°. Principal axes: T 4.0200,Plg74.0000° ,Azm312.0000°; N 0.0500,Plg6.0000°,Azm65.0000°; P -4.0800,Plg15.0000°,Azm156.0000° M_o4.10000×10^{16}
IDC XI 07 19 53 44.7–1.9 5.84S 151.07E 0 4.1,3.9 ¶12072738
IDC Error ellipse: s-maj=103.0km s-min=26.8km az=129.0.
IDC XI 07 19 57 00.4–2.8 6.10S 151.11E 0 3.9,3.7b ¶12072739
IDC Error ellipse: s-maj=105.4km s-min=36.7km az=128.0.
IDC XI 07 20 01 12.3–3.6 6.06S 150.91E 0 3.5,3.3 ¶12072740
IDC Error ellipse: s-maj=145.8km s-min=47.3km az=119.0.
IDC XI 07 21 15 11.8–3.8 5.92S 150.77E 0 3.7,3.4 ¶12072750
IDC Error ellipse: s-maj=151.6km s-min=48.2km az=117.0.
IDC XI 07 23 58 26.4–4.1 5.74S 150.72E 0 3.8,3.6 ¶12072770
IDC Error ellipse: s-maj=187.3km s-min=47.2km az=118.0.
IDC XI 08 00 47 12.1–4.2 6.69S 149.22E 96–38 3.8,3.6 ¶12072774
IDC Error ellipse: s-maj=87.1km s-min=30.2km az=133.0.
ISC XI 08 00 50 55.6–3.0 6.8S–.20 151.0E–.30 165–23 3.8b 20 5-149
IDC XI 08 00 50 54.4–4.8 6.85S 151.26E 161–39 3.9,3.7b **¶12072775**
ISCJB XI 08 00 50 55.5–2.9 6.7S–.20 150.8E–.30 174–22 3.8b,3.7b
NEIC XI 08 00 50 56.0–2.9 6.82S 151.04E 175–23 4.2b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=56.9km s-min=28.4km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=48.1km s-min=24.3km az=36.7.
NEIC Event type se. Error ellipse: s-maj=43.5km s-min=21.5km az=124.0.
IDC XI 08 11 11 22.6–3.1 5.69S 150.72E 0 4.0,3.9b ¶12072812
IDC Error ellipse: s-maj=115.9km s-min=35.9km az=123.0.
ISC XI 09 04 36 08.4–2.2 4.94S–.09 151.6E–.10 143–19 4.0b 38 6-149
IDC XI 09 04 36 06.5–.84 4.88S 151.56E 126–6 4.0,3.9 **¶12072921**
ISCJB XI 09 04 36 07.7–2.4 4.93S–.09 151.5E–.10 150–22 4.0b,3.9
NEIC XI 09 04 36 08.7–1.8 4.93S 151.55E 147–16 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=11.4km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=15.0km az=161.2.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=10.2km az=76.0.
ISC XI 09 15 15 08.4–6.7 6.1S–.20 152.1E–.20 33–48 4.0b 22 6-150
IDC XI 09 15 15 03.6–1.4 6.02S 152.05E 0 4.3,4.2 **¶12072965**
ISCJB XI 09 15 15 08.6–4.5 6.1S–.20 152.0E–.20 45–36 4.0b,4.2
NEIC XI 09 15 15 11.4–3.1 6.13S 151.99E 58–23 3.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=50.6km s-min=18.8km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=42.7km s-min=23.6km az=28.7.
NEIC Event type se. Error ellipse: s-maj=36.9km s-min=16.6km az=110.0.
IDC XI 09 16 12 03.4–8.3 5.89S 151.60E 86–58 3.7,3.6 ¶12072969
IDC Error ellipse: s-maj=91.7km s-min=54.2km az=127.0.
ISC XI 10 15 38 51.6–1.2 5.63S–.06 151.89E–.06 62–11 4.7b 89 6-150
BJI XI 10 15 38 46.0 5.93S 152.39E 58 5.0s,5.0b **¶11415180**
ISCJB XI 10 15 38 48.2–1.4 5.57S–.06 151.89E–.06 46–13 4.7b,4.0s
NEIC XI 10 15 38 51.0–1.4 5.52S 151.85E 59–13 4.8b,4.0s
IDC XI 10 15 38 52.0–2.8 5.53S 151.76E 65–24 4.6,4.4
DJA XI 10 15 38 57 5.99S 151.93E 98 4.8b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=9.8km az=148.3.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=9.4km az=136.0.
IDC Error ellipse: s-maj=25.3km s-min=11.8km az=123.0.
IDC XI 11 02 47 31.1–1.8 5.51S 152.14E 0 4.2,4.0 ¶12073134
IDC Error ellipse: s-maj=67.1km s-min=20.8km az=123.0.
ISC XI 11 09 34 16.3–2.4 5.7S–.20 149.4E–.30 149–21 3.8b 17 4-84
ISCJB XI 11 09 34 15.0–2.5 5.7S–.20 149.4E–.30 154–23 3.8b **¶12073155**
NEIC XI 11 09 34 15.3–2.5 5.69S 149.45E 140–22 3.8b
IDC XI 11 09 34 16.5–2.9 5.68S 149.35E 150–27 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=62.0km s-min=22.5km az=28.4.
NEIC Event type se. Error ellipse: s-maj=53.7km s-min=19.7km az=119.0.
IDC Error ellipse: s-maj=53.3km s-min=20.5km az=120.0.
ISC XI 11 12 03 54.8–.95 5.69S–.05 150.66E–.07 92–9 4.5b 75 5-149
ISCJB XI 11 12 03 53.5–1.3 5.70S–.06 150.66E–.07 96–12 4.5b **¶12073169**
IDC XI 11 12 03 54.1–1.4 5.65S 150.61E 86–12 4.4,4.3
NEIC XI 11 12 03 55.0–1.3 5.72S 150.67E 94–13 4.8b,4.3
DJA XI 11 12 04 06 5.11S 148.42E 61 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=9.1km az=21.5.
IDC Error ellipse: s-maj=17.6km s-min=8.2km az=118.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.2km az=119.0.
IDC XI 11 13 16 36.5–3.3 6.23S 150.32E 0 3.6,3.5 ¶12073177
IDC Error ellipse: s-maj=105.2km s-min=30.6km az=114.0.
IDC XI 12 11 45 17.8–2.0 4.23S 151.36E 0 3.7,3.5 ¶12073293
IDC Error ellipse: s-maj=161.0km s-min=28.2km az=125.0.
IDC XI 12 13 16 37.0–1.9 5.46S 148.34E 0 3.7,3.4 ¶12073302
IDC Error ellipse: s-maj=139.4km s-min=28.5km az=123.0.
ISC XI 14 17 55 21.5–3.1 5.3S–.10 151.5E–.20 89–26 3.9b 30 6-149
IDC XI 14 17 55 17.5–1.2 5.30S 151.56E 54–6 3.9,3.7 **¶12073543**
ISCJB XI 14 17 55 20.1–3.5 5.3S–.10 151.4E–.20 89–29 3.9b,3.7
NEIC XI 14 17 55 21.1–2.7 5.31S 151.50E 87–22 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=16.7km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=29.4km s-min=19.1km az=8.8.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=14.9km az=95.0.
ISC XI 15 09 48 34.2–3.7 5.5S–.20 151.7E–.30 95–28 3.8b 20 6-149
NEIC XI 15 09 48 26.0–1.9 5.44S 152.14E 35 3.8b **¶12073615**
IDC XI 15 09 48 32.2–4.3 5.40S 151.67E 77–28 4.0,3.8
ISCJB XI 15 09 48 33.2–4.0 5.4S–.20 151.5E–.30 94–31 3.8b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 15 20 29 17.2–4.2 4.2S–.20 152.0E–.30 276–30 3.8b 20 7-149
NEIC XI 15 20 29 13.6–3.9 3.99S 152.35E 266–29 3.8b **¶12073659**
IDC XI 15 20 29 16.5–13 4.18S 152.29E 286–114 3.3,3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=47.4km s-min=19.3km az=80.0.
IDC Error ellipse: s-maj=83.0km s-min=32.7km az=71.0.
IDC XI 16 08 39 23.6–3.9 4.02S 152.45E 0 3.7,3.4b ¶12073722
IDC Error ellipse: s-maj=184.1km s-min=47.8km az=119.0.
IDC XI 16 09 22 49.0–4.5 4.57S 150.50E 0 3.4,3.3 ¶12073725
IDC Error ellipse: s-maj=196.4km s-min=42.3km az=114.0.
ISC XI 16 21 34 13.7–3.7 7.1S–.20 150.5E–.30 83–27 3.7b 22 4-149
IDC XI 16 21 34 03.9–2.0 7.15S 150.81E 0 4.1,3.9 **¶12073787**
ISCJB XI 16 21 34 12.8–3.9 7.2S–.20 150.5E–.30 91–28 3.7b,3.9
NEIC XI 16 21 34 19.7–1.2 6.04S 148.25E 35 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=80.6km s-min=21.4km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=58.2km s-min=24.0km az=32.1.
NEIC Event type se. Error ellipse: s-maj=33.8km s-min=12.7km az=102.0.
IDC XI 17 11 05 39.3–17 6.35S 153.97E 333–157 3.1,3.0b ¶12073843
IDC Error ellipse: s-maj=103.4km s-min=41.7km az=81.0.
ISC XI 17 17 11 45.7–3.0 5.0S–.20 151.4E–.30 162–24 3.7b 18 6-149
ISCJB XI 17 17 11 44.4–3.3 4.9S–.20 151.2E–.30 159–27 3.7b **¶12073880**
IDC XI 17 17 11 45.0–4.6 5.00S 151.37E 156–36 3.6,3.5b

NEIC XI 17 17 11 45.4–2.4 5.00S 151.38E 163–20 4.0b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=53.3km s-min=24.5km az=33.2.
IDC Error ellipse: s-maj=50.0km s-min=25.0km az=107.0.
NEIC Event type se. Error ellipse: s-maj=38.3km s-min=17.5km az=120.0.
ISC XI 18 12 44 29.3–3.7 5.5S–.30 151.5E–.40 84–30 3.5b 14 6-149
ISCJB XI 18 12 44 28.4–4.2 5.5S–.30 151.4E–.40 87–33 3.5b **¶12074007**
NEIC XI 18 12 44 28.6–3.2 5.54S 151.66E 84–25 3.8b
IDC XI 18 12 44 29.6–5.4 5.15S 151.04E 76–47 3.7,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=73.3km s-min=28.0km az=39.9.
NEIC Event type se. Error ellipse: s-maj=51.9km s-min=23.8km az=126.0.
IDC Error ellipse: s-maj=101.5km s-min=32.0km az=132.0.
ISC XI 18 18 13 02.5–2.0 5.54S–.09 150.6E–.10 96–17 3.8b 35 5-148
ISCJB XI 18 18 12 58.4–2.4 5.46S–.09 150.6E–.20 74–21 3.8b **¶12074033**
NEIC XI 18 18 13 01.0–1.9 5.59S 150.70E 88–16 3.9b
IDC XI 18 18 13 02.1–2.1 5.59S 150.62E 96–15 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=13.2km az=21.6.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=10.4km az=110.0.
IDC Error ellipse: s-maj=31.8km s-min=10.6km az=119.0.
ISC XI 18 20 02 59.8–.67 5.19S–.09 152.9E–.10 35 4.5b,3.5s 62 7-158
IDC XI 18 20 02 54.9–.84 5.09S 152.78E 0 4.4,4.3b **¶12074045**
ISCJB XI 18 20 02 58.3–.65 5.13S–.09 152.8E–.10 33 4.5b,3.5s
NEIC XI 18 20 03 00.6–.51 5.10S 152.65E 35 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=15.3km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=7.3km az=34.3.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=8.8km az=119.0.
ISC XI 18 20 41 30.6–.23 4.49S–.03 152.82E–.04 80 4.9b 204 7-158
ISCJB XI 18 20 41 28.7–.23 4.48S–.03 152.81E–.04 78 4.9b **¶11457655**
MOS XI 18 20 41 28.7–.98 4.44S 152.75E 76 5.1b
BJI XI 18 20 41 29.2 4.29S 153.08E 86 5.1s,5.1b
NEIC XI 18 20 41 30.0–.20 4.44S 152.76E 76 4.9b,5.1b
IDC XI 18 20 41 30.7–.59 4.46S 152.73E 80–4 4.7,4.7
GCMT XI 18 20 41 34.8–.30 4.61S 152.76E 91–3 5.0W,4.7
DJA XI 18 20 41 38 4.71S 152.61E 149 5.2b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=171.1.
MOS Error ellipse: s-maj=10.5km s-min=7.3km az=91.1.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.8km az=86.0.
IDC Error ellipse: s-maj=15.2km s-min=9.9km az=90.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s24,c29; s62,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.13±.14 $M_{\theta\theta}$-2.76±.13; $M_{\phi\phi}$3.89±.13; $M_{r\theta}$1.49±.08; $M_{\theta\phi}$-0.22±.13; $M_{\theta r}$0.22±.10; Best double couple: NP1:ϕ_s317.00000°,δ67.00000°,λ-159.00000°. NP2:ϕ_s219.00000°,δ70.00000°,λ-24.00000°. Principal axes: T 3.9000,Plg2.0000° ,Azm269.0000°; N -0.2500,Plg59.0000°,Azm2.0000°; P -3.6600,Plg31.0000°,Azm177.0000° M_o3.80000×10^{16}
ISC XI 19 01 53 31.6–2.7 6.4S–.20 150.8E–.20 62–24 4.0b 25 5-149
ISCJB XI 19 01 53 30.2–3.2 6.3S–.20 150.7E–.20 62–28 4.0b **¶12074089**
NEIC XI 19 01 53 31.6–2.1 6.35S 150.79E 64–18 4.2b
IDC XI 19 01 53 31.1–5.3 6.30S 150.76E 58–48 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=43.0km s-min=21.6km az=33.7.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=14.6km az=125.0.
IDC Error ellipse: s-maj=47.6km s-min=28.1km az=127.0.
IDC XI 19 06 58 01.2–1.4 5.89S 152.30E 0 5.0,5.0s
¶12074117
IDC Error ellipse: s-maj=58.0km s-min=18.7km az=130.0.
IDC XI 19 08 18 21.0–5.9 6.83S 148.49E 119–45 3.5b,3.5
¶12074123
IDC Error ellipse: s-maj=86.5km s-min=50.1km az=127.0.
ISC XI 20 17 31 22.3–1.2 7.9S–.20 151.4E–.20 35 3.4b 14 4-150
IDC XI 20 17 31 18.8–1.8 7.50S 151.05E 0 3.6,3.5 **¶12074289**
ISCJB XI 20 17 31 20.4–1.3 7.9S–.20 151.4E–.20 33 3.4b,3.5
NEIC XI 20 17 31 23.5–1.2 7.72S 151.16E 35 3.4b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=68.0km s-min=22.0km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=39.4km s-min=12.4km az=148.3.
NEIC Event type se. Error ellipse: s-maj=43.5km s-min=13.1km az=130.0.
ISC XI 20 17 40 39.1–.93 5.9S–.10 150.6E–.20 35 3.7b,2.8s 21 5-149
IDC XI 20 17 40 33.6–1.2 5.89S 150.78E 0 4.0,3.9 **¶12074290**
ISCJB XI 20 17 40 37.3–.92 5.9S–.10 150.6E–.20 33 3.7b,2.8s
NEIC XI 20 17 40 38.9–1.0 5.93S 150.63E 35 4.2b,2.8s
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=20.8km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=31.6km s-min=11.2km az=37.5.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=14.9km az=120.0.
IDC XI 20 18 01 14.1–3.4 5.47S 150.47E 0 3.6,3.4
¶12074294
IDC Error ellipse: s-maj=112.0km s-min=42.0km az=118.0.
ISC XI 20 18 49 20.9–6.8 4.8S–.30 152.3E–.30 27–49 3.5b 17 7-150
IDC XI 20 18 49 16.4–1.4 4.81S 152.32E 0 3.9,3.7 **¶12074300**
ISCJB XI 20 18 49 19.3–6.6 4.8S–.30 152.1E–.30 25–48 3.5b,3.7
NEIC XI 20 18 49 21.7–2.8 4.85S 152.27E 35–24 3.5b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=70.3km s-min=20.8km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=70.2km s-min=15.3km az=43.3.
NEIC Event type se. Error ellipse: s-maj=46.4km s-min=17.7km az=131.0.
IDC XI 22 11 46 42.9–9.1 5.11S 152.96E 128–62 3.2,3.1
¶12074494
IDC Error ellipse: s-maj=102.4km s-min=52.5km az=115.0.
IDC XI 22 16 45 53.6–8.4 5.65S 150.39E 75–61 3.4,3.3
¶12074516
IDC Error ellipse: s-maj=117.7km s-min=54.6km az=121.0.
IDC XI 23 14 59 28.7–3.4 5.89S 151.58E 0 3.2,3.1
¶12074602
IDC Error ellipse: s-maj=153.8km s-min=43.5km az=125.0.
IDC XI 24 13 07 52.8–4.9 5.73S 151.11E 89–41 3.7,3.6s
¶12074683
IDC Error ellipse: s-maj=94.4km s-min=29.0km az=131.0.
ISC XI 25 04 17 36.8–1.0 5.68S–.06 148.21E–.08 158–9 4.4b 64 4-146
ISCJB XI 25 04 17 33.3–1.2 5.62S–.06 148.42E–.08 147–10 4.4b **¶12074761**
IDC XI 25 04 17 34.9–1.7 5.66S 148.37E 149–15 4.3,4.2
NEIC XI 25 04 17 36.4–1.6 5.62S 148.35E 163–14 4.7b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.2km az=28.7.
IDC Error ellipse: s-maj=23.6km s-min=10.3km az=108.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=10.7km az=89.0.
IDC XI 26 17 17 00.9–12 6.06S 153.45E 124–102 3.4,3.2
¶12074922
IDC Error ellipse: s-maj=69.4km s-min=28.8km az=107.0.
IDC XI 26 19 56 39.3–3.4 6.70S 148.36E 0 3.5,3.4b
¶12074938
IDC Error ellipse: s-maj=106.4km s-min=45.1km az=119.0.
ISC XI 29 10 16 34.5–2.0 4.7S–.20 152.7E–.10 101–22 3.7b 19 7-150
ISCJB XI 29 10 16 31.9–2.7 4.6S–.20 152.7E–.10 91–29 3.7b **¶12075249**
IDC XI 29 10 16 34.1–3.1 4.71S 152.73E 100–32 3.8,3.7
NEIC XI 29 10 16 34.7–1.8 4.71S 152.74E 105–19 3.9b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.7km s-min=13.2km az=155.4.
IDC Error ellipse: s-maj=37.5km s-min=17.2km az=138.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=12.4km az=151.0.
ISC XI 29 14 20 31.6–2.7 5.5S–.20 150.0E–.20 127–20 3.9b 29 5-148
IDC XI 29 14 20 28.9–4.9 5.34S 150.08E 97–44 3.8,3.6 **¶12075261**
ISCJB XI 29 14 20 30.2–2.6 5.6S–.20 150.1E–.10 128–20 3.9b,3.6
NEIC XI 29 14 20 32.9–2.3 5.36S 149.60E 139–17 4.7b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=90.3km s-min=32.2km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=18.5km az=145.7.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=19.8km az=109.0.

IDC XI 30 02 26 52.9–6.3 5.84S 148.12E 128–56 3.4,3.2
¶12075305
IDC Error ellipse: s-maj=106.7km s-min=51.1km az=117.0.
ISC XII 01 21 09 38.4–1.5 5.83S–.09 149.0E–.10 142–13 3.7b 39 4-147
ISCJB XII 01 21 09 36.4–1.7 5.80S–.09 149.1E–.10 140–15 3.7b **¶12075453**
IDC XII 01 21 09 37.6–1.7 5.85S 149.12E 139–15 3.7,3.6
NEIC XII 01 21 09 38.3–1.4 5.81S 149.06E 146–13 4.4b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=12.6km az=21.3.
IDC Error ellipse: s-maj=38.9km s-min=10.3km az=116.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.6km az=100.0.
ISC XII 02 10 33 55.8–4.5 5.8S–.30 148.2E–.30 38–46 4.0b 15 4-146
ISCJB XII 02 10 33 55.6–4.3 5.9S–.30 148.3E–.40 51–42 4.0b **¶12075494**
IDC XII 02 10 33 56.9–6.9 6.03S 148.57E 51–68 4.1,3.9
NEIC XII 02 10 33 59.0–3.0 6.23S 148.75E 76–33 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=69.4km s-min=25.6km az=34.8.
IDC Error ellipse: s-maj=77.1km s-min=33.1km az=135.0.
NEIC Event type se. Error ellipse: s-maj=82.5km s-min=17.5km az=133.0.
IDC XII 03 01 47 55.9–4.2 4.01S 151.58E 0 3.8s,3.8
¶12075574
IDC Error ellipse: s-maj=187.0km s-min=53.0km az=118.0.
ISC XII 03 02 58 21.8–1.5 6.09S–.07 150.5E–.10 56–13 4.0b,3.5s 41 5-148
ISCJB XII 03 02 58 17.1–2.7 6.03S–.07 150.6E–.10 31–19 4.0b,3.5s **¶12075582**
NEIC XII 03 02 58 20.8–1.6 6.08S 150.64E 54–14 4.2b,3.5s
IDC XII 03 02 58 22.8–2.5 6.10S 150.51E 68–21 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=9.4km az=25.9.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=10.9km az=105.0.
IDC Error ellipse: s-maj=32.6km s-min=11.3km az=121.0.
IDC XII 04 11 10 17.6–5.2 4.15S 151.72E 119–47 3.6,3.5
¶12075732
IDC Error ellipse: s-maj=56.7km s-min=29.7km az=123.0.
IDC XII 04 11 12 28.3–5.2 4.22S 152.23E 131–47 3.4s,3.4
¶12075734
IDC Error ellipse: s-maj=50.1km s-min=27.6km az=113.0.
IDC XII 04 18 34 16.0–6.0 6.02S 151.55E 73–49 3.8,3.6
¶12075772
IDC Error ellipse: s-maj=95.7km s-min=32.2km az=130.0.
IDC XII 04 20 13 49.1–1.9 4.18S 152.71E 0 4.0,3.8b
¶12075784
IDC Error ellipse: s-maj=109.3km s-min=25.3km az=129.0.
ISC XII 04 22 46 50.8–3.2 5.7S–.10 149.6E–.30 111–22 3.8b 20 4-148
IDC XII 04 22 46 47.2–2.5 5.67S 149.82E 86–12 4.0,3.9 **¶12075802**
NEIC XII 04 22 46 47.5–1.7 5.29S 149.35E 82 4.1b,3.9
ISCJB XII 04 22 46 49.1–3.5 5.7S–.10 149.7E–.40 114–25 3.9b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 05 05 09 57.7–3.7 7.08S 153.99E 0 3.5,3.4
¶12075836
IDC Error ellipse: s-maj=177.4km s-min=47.2km az=131.0.
ISC XII 06 11 09 25.4–1.6 5.6S–.10 151.63E–.09 62–17 4.4b 36 6-149
ISCJB XII 06 11 09 22.5–2.1 5.6S–.10 151.62E–.09 50–21 4.4b **¶13402076**
IDC XII 06 11 09 25.8–3.0 5.64S 151.71E 68–27 4.3,4.3
NEIC XII 06 11 09 25.9–1.3 5.64S 151.69E 69–13 4.3,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=12.1km az=150.1.
IDC Error ellipse: s-maj=22.9km s-min=17.3km az=126.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=9.2km az=148.0.
ISC XII 07 00 19 34.2–1.6 5.7S–.20 148.8E–.50 163–17 3.8b 26 4-147
NEIC XII 07 00 19 32.7–2.3 5.69S 149.06E 162–18 4.4b **¶12076085**
IDC XII 07 00 19 33.9–2.0 5.67S 148.90E 167–16 3.6,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=68.4km s-min=14.5km az=108.0.
IDC Error ellipse: s-maj=69.1km s-min=10.5km az=112.0.
ISC XII 08 00 07 05.6–1.1 6.34S–.05 148.49E–.07 52–10 4.4s,4.3b 66 3-154
ISCJB XII 08 00 07 04.0–.39 6.29S–.04 148.54E–.07 53 4.4s,4.3b **¶11653410**
IDC XII 08 00 07 04.3–3.2 6.25S 148.40E 35–24 4.3L,4.3
NEIC XII 08 00 07 04.1–1.6 6.28S 148.54E 37–14 4.7b,4.3
GCMT XII 08 00 07 10.2–.40 6.56S 148.63E 30–1 5.0W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=5.5km az=20.8.
IDC Error ellipse: s-maj=25.3km s-min=11.1km az=116.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=9.6km az=57.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s26,c34; s50,c69; Moment tensor: Scale 10^{16}Nm; M_{rr}2.41±.25 $M_{\theta\theta}$-3.30±.15; $M_{\phi\phi}$0.89±.17; $M_{r\theta}$2.29±.24; $M_{\theta\phi}$1.46±.12; $M_{\theta r}$-0.24±.29; Best double couple: NP1:ϕ_s304.00000°,δ29.00000°,λ115.00000°. NP2:ϕ_s96.00000°,δ64.00000°,λ77.00000°. Principal axes: T 3.2500,Plg68.0000° ,Azm341.0000°; N 1.2600,Plg12.0000°,Azm102.0000°; P -4.5000,Plg18.0000° ,Azm196.0000° M_o3.90000×10^{16}
IDC XII 08 04 25 48.9–2.8 7.16S 153.80E 0 3.6,3.4
¶12076297
IDC Error ellipse: s-maj=204.9km s-min=30.4km az=131.0.
IDC XII 09 05 05 29.9–2.4 4.77S 152.82E 0 3.8,3.5b
¶12076467
IDC Error ellipse: s-maj=167.1km s-min=28.8km az=126.0.
ISC XII 09 09 29 19.9–.26 5.78S–.03 150.94E–.04 45 4.8b,4.5s 150 5-156
BJI XII 09 09 29 13.5 6.69S 151.64E 72 5.3b,4.9s **¶12076506**
ISCJB XII 09 09 29 17.8–.26 5.77S–.03 150.99E–.04 43 4.8b,4.5s
NEIC XII 09 09 29 18.9–.31 5.70S 151.05E 43 5.0b,4.5s
MOS XII 09 09 29 18.1–1.3 5.72S 151.08E 52 5.1b,4.5s
IDC XII 09 09 29 19.0–.47 5.75S 150.91E 42–3 4.6L,4.5
DJA XII 09 09 29 27 5.79S 150.97E 117 5.0b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.8km az=168.2.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.5km az=102.0.
MOS Error ellipse: s-maj=11.3km s-min=8.6km az=82.8.
IDC Error ellipse: s-maj=13.5km s-min=9.4km az=112.0.
IDC XII 09 19 19 21.9–2.7 5.50S 151.58E 0 3.8,3.8
¶12076598
IDC Error ellipse: s-maj=127.2km s-min=23.8km az=122.0.
IDC XII 11 06 07 60.0–3.3 4.66S 152.97E 0 4.2,4.0
¶12076853
IDC Error ellipse: s-maj=124.8km s-min=46.1km az=125.0.
IDC XII 11 11 17 53.5–2.0 4.76S 152.41E 0 3.6,3.5
¶12076914
IDC Error ellipse: s-maj=126.6km s-min=25.2km az=128.0.
IDC XII 12 04 49 08.7–8.1 6.41S 148.91E 49–66 3.4,3.2
¶12077055
IDC Error ellipse: s-maj=129.2km s-min=58.5km az=119.0.
ISC XII 12 14 00 23.4–3.0 5.1S–.20 151.4E–.20 119–24 3.8b 22 6-149
IDC XII 12 14 00 21.5–3.2 5.07S 151.47E 103–21 3.9,3.7b **¶12077135**
ISCJB XII 12 14 00 22.0–3.3 5.0S–.20 151.3E–.20 118–28 3.8b,3.7b
NEIC XII 12 14 00 23.7–2.3 5.07S 151.31E 121–20 3.9b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=56.4km s-min=18.3km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=42.6km s-min=22.5km az=27.7.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=16.1km az=109.0.
ISC XII 12 21 17 26.1–1.0 5.3S–.10 148.3E–.10 35 4.0b 19 4-146
IDC XII 12 21 17 22.1–1.7 5.33S 148.34E 0 4.4,4.2b **¶12077192**
ISCJB XII 12 21 17 24.6–.89 5.36S–.10 148.4E–.10 33 4.0b,4.2b
NEIC XII 12 21 17 26.1–1.0 5.29S 148.32E 35 4.0b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=62.0km s-min=25.3km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=12.3km az=33.6.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=14.7km az=146.0.
IDC XII 14 00 24 13.9–6.1 6.99S 153.92E 47–50 3.9,3.7
¶12077362
IDC Error ellipse: s-maj=54.8km s-min=31.9km az=121.0.
ISC XII 14 12 53 54.9–6.7 6.8S–.20 152.2E–.10 29–48 3.8b,2.6s 22 6-150

IDC XII 14 12 53 50.1–1.4 6.84S 152.24E 0 4.0,3.9 ¶12077450
ISCJB XII 14 12 53 53.4–6.6 6.8S–.20 152.1E–.10 29–47 3.7b,2.6s
NEIC XII 14 12 53 55.7–.89 6.82S 152.16E 35 3.8b,2.6s
ISC Event type se.
IDC Error ellipse: s-maj=43.5km s-min=19.6km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=31.1km s-min=16.1km az=139.2.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=11.6km az=119.0.
IDC XII 15 05 45 05.3–3.7 4.26S 151.00E 0 4.0,3.7b
¶12077542

IDC Error ellipse: s-maj=151.6km s-min=46.0km az=115.0.
IDC XII 17 02 16 18.8–6.7 5.55S 149.29E 124–49 3.5,3.3
¶12077838

IDC Error ellipse: s-maj=131.4km s-min=51.5km az=116.0.
ISC XII 18 09 54 14.5–4.6 5.8S–.50 152.4E–.50 38–36 4.0b 13 6-150
IDC XII 18 09 54 09.2–3.2 5.27S 151.96E 0 3.9,3.8 ¶12078038
NEIC XII 18 09 54 14.4–1.4 5.62S 152.16E 35 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=110.2km s-min=43.7km az=124.0.
NEIC Event type se. Error ellipse: s-maj=91.5km s-min=13.6km az=132.0.
ISC XII 22 00 55 55.6–1.7 5.24S–.06 151.81E–.09 54–15 4.4b,3.5s 58 6-157
ISCJB XII 22 00 55 53.6–2.3 5.22S–.06 151.76E–.09 50–20 4.4b,3.5s ¶11517505
NEIC XII 22 00 55 55.8–1.2 5.25S 151.79E 57–10 4.5b,3.5s
IDC XII 22 00 55 55.0–2.1 5.24S 151.79E 48–18 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=10.2km az=0.3.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.9km az=87.0.
IDC Error ellipse: s-maj=21.1km s-min=14.3km az=116.0.
IDC XII 22 09 14 14.7–3.3 5.76S 150.60E 0 3.6,3.4
¶12078535

IDC Error ellipse: s-maj=130.3km s-min=44.7km az=118.0.
ISC XII 22 17 27 06.1–3.4 5.9S–.30 148.7E–.40 52–34 3.8b 16 4-147
ISCJB XII 22 17 27 04.1–3.7 5.9S–.30 148.7E–.40 45–36 3.8b ¶12078579
NEIC XII 22 17 27 04.3–4.1 5.70S 148.74E 45–42 4.3b
IDC XII 22 17 27 07.0–5.3 6.17S 149.12E 75–50 4.0,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=74.5km s-min=24.7km az=33.4.
NEIC Event type se. Error ellipse: s-maj=98.9km s-min=24.1km az=133.0.
IDC Error ellipse: s-maj=87.4km s-min=31.3km az=133.0.
IDC XII 23 04 14 42.3–3.7 5.91S 150.10E 0 3.4,3.2
¶12078622

IDC Error ellipse: s-maj=146.6km s-min=46.8km az=117.0.
IDC XII 23 06 54 46.7–4.4 5.04S 151.91E 0 3.9,3.6b
¶12078638

IDC Error ellipse: s-maj=211.1km s-min=47.6km az=119.0.
IDC XII 24 03 52 09.9–6.0 5.42S 151.87E 130–49 3.4,3.2
¶12078766

IDC Error ellipse: s-maj=135.9km s-min=29.6km az=125.0.
IDC XII 24 05 04 31.8–3.2 4.82S 152.09E 0 4.1,3.9b
¶12078769

IDC Error ellipse: s-maj=110.2km s-min=46.3km az=123.0.
ISC XII 26 04 36 38.1–.51 5.72S–.09 152.3E–.10 35 4.3b,3.7s 46 6-150
ISCJB XII 26 04 36 36.4–.51 5.71S–.09 152.2E–.10 33 4.3b,3.7s ¶12078994
NEIC XII 26 04 36 37.9–.60 5.63S 152.17E 32 4.5b,3.7s
IDC XII 26 04 36 43.8–4.5 5.77S 152.02E 85–40 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=7.1km az=36.3.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=8.7km az=123.0.
IDC Error ellipse: s-maj=33.8km s-min=22.6km az=118.0.
IDC XII 26 04 41 46.9–5.7 5.23S 151.49E 95–45 3.2,3.1
¶12078995

IDC Error ellipse: s-maj=138.1km s-min=32.6km az=127.0.
IDC XII 26 06 56 04.4–2.1 5.59S 152.40E 0 3.8,3.5
¶12079010

IDC Error ellipse: s-maj=143.2km s-min=24.8km az=129.0.
IDC XII 28 20 51 08.3–3.7 4.03S 152.54E 0 3.6,3.3b
¶12079293

IDC Error ellipse: s-maj=162.2km s-min=49.1km az=119.0.
ISC XII 28 21 06 50.0–1.9 5.12S–.09 151.3E–.10 134–16 3.9b 39 6-149
IDC XII 28 21 06 48.4–1.9 5.13S 151.38E 120–14 4.0,3.8b ¶12079294
ISCJB XII 28 21 06 50.9–2.2 5.16S–.10 151.2E–.10 155–20 3.9b,3.8b
NEIC XII 28 21 06 51.2–1.6 5.15S 151.30E 146–15 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=10.8km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=14.7km az=24.3.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.1km az=105.0.
ISC XII 29 20 23 34.7–3.5 4.9S–.20 152.1E–.30 149–26 3.4b 26 7-150
IDC XII 29 20 23 33.9–4.7 4.88S 152.18E 145–37 3.4,3.3 ¶12079445
ISCJB XII 29 20 23 34.4–3.7 4.8S–.20 152.0E–.30 155–29 3.4b,3.3
NEIC XII 29 20 23 34.6–2.3 4.90S 152.23E 155–17 3.8b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=23.3km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=52.4km s-min=23.3km az=25.7.
NEIC Event type se. Error ellipse: s-maj=33.6km s-min=13.0km az=111.0.
ISC XII 31 12 24 22.9–3.4 4.9S–.30 150.8E–.30 97–29 3.8b 17 6-148
ISCJB XII 31 12 24 21.7–3.8 4.8S–.30 150.7E–.30 97–33 3.8b ¶12079654
IDC XII 31 12 24 22.5–5.0 4.95S 150.91E 94–44 3.8,3.6b
NEIC XII 31 12 24 22.9–2.4 4.87S 150.82E 97–20 3.8b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=58.2km s-min=26.6km az=44.3.
IDC Error ellipse: s-maj=80.0km s-min=30.2km az=132.0.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=18.5km az=129.0.

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NEIC VII 01 13 29 37.6–1.3 7.54S 156.97E 420–25 3.9b
IDC VII 01 13 29 43.0–10 7.52S 156.27E 444–119 3.3,3.1b ¶11799173
NEIC Event type se. Error ellipse: s-maj=39.3km s-min=16.0km az=130.0.
IDC Error ellipse: s-maj=92.9km s-min=55.8km az=116.0.
ISC VII 02 01 52 37.3–.99 7.05S–.05 155.78E–.05 102–9 4.8b 121 5-161
BJI VII 02 01 52 34.4 6.85S 155.75E 88 5.0b,4.9b ¶11006846
ISCJB VII 02 01 52 34.9–1.1 7.02S–.05 155.76E–.05 94–10 4.8b,4.9b
IDC VII 02 01 52 35.4–2.3 7.01S 155.73E 82–21 4.5,4.5
MOS VII 02 01 52 35.4–1.0 7.02S 155.65E 85 4.7b,4.5
NEIC VII 02 01 52 35.7–1.0 6.98S 155.72E 85–8 4.8b,4.5
DJA VII 02 01 52 49 7.17S 155.40E 194 4.9b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=8.1km az=168.6.
IDC Error ellipse: s-maj=13.6km s-min=11.5km az=90.0.
MOS Error ellipse: s-maj=10.4km s-min=9.6km az=95.2.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.8km az=146.0.
ISC VII 02 17 01 45.2–.81 7.3S–.10 155.5E–.10 35 3.6b 9 5-85
IDC VII 02 17 01 40.2–1.2 7.16S 155.41E 0 3.8b,3.8 ¶11799283
ISCJB VII 02 17 01 43.3–.81 7.3S–.10 155.5E–.10 33 3.6b,3.8
NEIC VII 02 17 01 45.1–.63 7.24S 155.50E 35 3.6b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=25.8km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=16.9km az=27.3.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=13.8km az=212.0.
IDC VII 05 18 28 09.1–1.2 7.16S 155.49E 0 4.0L,3.7b
¶12698025

IDC Error ellipse: s-maj=28.7km s-min=27.1km az=37.0.
IDC VII 06 13 00 35.2–6.0 7.98S 158.35E 0 4.0L,4.0
¶12698043

IDC Error ellipse: s-maj=125.0km s-min=29.1km az=18.0.
IDC VII 06 14 06 00.5–3.3 7.23S 154.57E 0 3.9,3.8
¶12698045

IDC Error ellipse: s-maj=107.8km s-min=30.9km az=114.0.
IDC VII 06 15 26 05.8–2.0 5.79S 156.36E 0 4.0,3.9b
¶12698046

IDC Error ellipse: s-maj=63.4km s-min=31.2km az=99.0.
IDC VII 06 19 16 15.8–5.7 6.16S 154.36E 0 3.7,3.5b
¶12698047

IDC Error ellipse: s-maj=170.7km s-min=29.6km az=110.0.
IDC VII 06 21 13 28.8–21 9.44S 158.48E 635–244 2.9,2.8b
¶12698049

IDC Error ellipse: s-maj=172.3km s-min=91.9km az=78.0.
IDC VII 09 20 24 43.0–3.9 6.81S 155.30E 0 3.7,3.6b
¶12698103

IDC Error ellipse: s-maj=122.9km s-min=32.1km az=115.0.
ISC VII 09 21 46 39.3–2.0 6.3S–.10 154.6E–.40 35 4.0b 20 16-92
IDC VII 09 21 46 37.0–2.0 6.01S 154.08E 0 4.1,3.9 ¶11811120
ISCJB VII 09 21 46 37.8–1.9 6.2S–.10 154.5E–.30 33 4.0b,3.9
NEIC VII 09 21 46 39.1–1.4 6.23S 154.63E 35 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=61.3km s-min=22.2km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=50.9km s-min=12.6km az=16.1.
NEIC Event type se. Error ellipse: s-maj=38.6km s-min=9.8km az=106.0.
ISC VII 10 05 49 49.2–1.2 7.0S–.20 154.4E–.20 35 3.8b 10 8-92
IDC VII 10 05 49 43.5–1.6 6.93S 154.52E 0 4.1,3.9b ¶11811152
NEIC VII 10 05 49 45.7–1.1 6.89S 154.27E 10 4.3b,3.9b
ISCJB VII 10 05 49 47.2–1.2 7.0S–.20 154.4E–.20 33 3.8b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 10 10 11 15.8–1.8 6.98S 154.67E 0 4.4,4.2
¶12698116

IDC Error ellipse: s-maj=59.5km s-min=25.2km az=127.0.
IDC VII 10 14 06 17.5–4.0 6.77S 155.39E 0 4.2,4.0
¶12698119

IDC Error ellipse: s-maj=106.9km s-min=39.5km az=114.0.
IDC VII 11 11 58 59.7–1.8 7.07S 154.86E 43–6 3.8,3.7
NEIC VII 11 11 59 01.0–1.2 6.96S 154.76E 46 4.2b,3.7 ¶11811265
IDC Error ellipse: s-maj=51.9km s-min=20.2km az=119.0.
NEIC Event type se. Error ellipse: s-maj=39.0km s-min=15.0km az=115.0.
ISC VII 12 08 42 34.9–.14 10.69S–.03 161.73E–.03 50 5.1b,4.4s 336 2-148
MOS VII 12 08 42 31.1–.73 10.55S 161.54E 33 5.3b,4.4s ¶11109385
BJI VII 12 08 42 32.5 10.28S 161.89E 40 5.0b,4.8s
IDC VII 12 08 42 33.3–.43 10.66S 161.79E 49–3 4.5,4.4
ISCJB VII 12 08 42 33.1–.14 10.71S–.03 161.69E–.03 48 5.1b,4.4s
NEIC VII 12 08 42 34.3–.18 10.64S 161.66E 49 5.1b,4.4s
GCMT VII 12 08 42 35.9–.20 10.75S 161.80E 53–1 5.3W,4.4s
DJA VII 12 08 42 40 10.77S 161.93E 95 5.4b,4.4s
NOU VII 12 08 42 42.9–1.3 11.36S 161.72E 34–999 4.8,4.4L
ISC Event type se.
MOS Error ellipse: s-maj=11.0km s-min=9.3km az=81.5.
IDC Error ellipse: s-maj=17.0km s-min=11.7km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.6km az=155.7.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.1km az=140.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s74,c113; s89,c134;
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{r\phi}$0.00 $M_{\theta\phi}$0.00
Best double couple: NP1:ϕ_s74.00000°,δ88.00000°,λ-2.00000°. NP2:ϕ_s164.00000°
,δ88.00000°,λ-178.00000°. Principal axes: T 0.9700,Plg0.0000°,Azm299.0000°
; N 0.3700,Plg87.0000°,Azm206.0000°; P -1.3400,Plg3.0000°,Azm29.0000°
M_o1.20000×10^{17}
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VII 12 16 20 20.5–1.5 10.66S–.07 161.63E–.09 62–12 4.3b 39 2-127
IDC VII 12 16 20 17.2–1.1 10.61S 161.62E 34–6 4.1,4.0 ¶11136608
ISCJB VII 12 16 20 21.1–1.9 10.65S–.07 161.5E–.10 80–15 4.2b,4.0
NEIC VII 12 16 20 23.1–1.5 10.58S 161.46E 84–12 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=21.0km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=11.4km az=7.5.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.0km az=105.0.
IDC VII 13 09 36 09.3–1.6 5.58S 154.10E 0 4.7L,4.0
¶12698186

IDC Error ellipse: s-maj=36.7km s-min=29.3km az=112.0.
IDC VII 14 13 15 29.8–2.5 7.02S 155.75E 0 3.8,3.6
¶12698213

IDC Error ellipse: s-maj=62.9km s-min=35.3km az=102.0.
ISC VII 16 09 13 35.2–3.1 6.66S–.10 154.2E–.10 62–25 4.3b 29 7-92
ISCJB VII 16 09 13 31.8–3.7 6.62S–.10 154.2E–.10 45–31 4.3b,4.0s ¶11480011
BJI VII 16 09 13 31.2 6.66S 153.89E 20 5.1b,4.6b
IDC VII 16 09 13 32.4–1.0 6.67S 154.19E 35–6 4.3,4.2
NEIC VII 16 09 13 32.3–.64 6.53S 154.24E 37 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=16.2km az=171.2.
IDC Error ellipse: s-maj=26.5km s-min=16.2km az=95.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=11.3km az=114.0.
ISC VII 17 19 19 45.3–.29 10.58S–.04 161.54E–.05 92 4.5b 60 2-148
ISCJB VII 17 19 19 43.5–.29 10.60S–.04 161.52E–.06 90 4.5b ¶11153450
IDC VII 17 19 19 44.3–.70 10.58S 161.61E 90–5 4.4,4.3
NEIC VII 17 19 19 44.6–.27 10.55S 161.54E 89 4.9b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.2km az=168.8.
IDC Error ellipse: s-maj=13.3km s-min=9.1km az=40.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.6km az=137.0.
IDC VII 17 20 31 48.2–2.2 5.96S 154.58E 0 3.6,3.5
¶12698275

IDC Error ellipse: s-maj=78.7km s-min=34.0km az=112.0.
IDC VII 18 00 35 50.2–3.2 11.26S 163.24E 0 4.2L,3.9
¶12698276

IDC Error ellipse: s-maj=56.6km s-min=43.0km az=75.0.
ISC VII 19 02 25 38.6–2.2 5.98S–.07 154.59E–.09 240–20 4.6b 60 8-132
IDC VII 19 02 25 30.2–.85 5.84S 154.74E 162–8 4.4,4.3 ¶11812004
ISCJB VII 19 02 25 37.7–2.2 6.00S–.07 154.55E–.09 246–20 4.6b,4.3
DJA VII 19 02 25 37 5.88S 154.72E 249 5.2b,4.3
NEIC VII 19 02 25 38.5–1.7 5.98S 154.62E 241–15 4.4b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=10.8km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=10.9km az=156.7.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=8.3km az=74.0.
IDC VII 20 11 42 10.1–3.4 10.69S 163.88E 0 4.1,3.8
¶12698349

IDC Error ellipse: s-maj=160.5km s-min=31.7km az=139.0.
ISC VII 20 14 05 39.4–3.9 10.7S–.10 161.7E–.20 37–30 3.7b,3.3s 15 2-91
IDC VII 20 14 05 32.8–1.5 10.90S 161.90E 0 4.5L,3.9 ¶11812184
NEIC VII 20 14 05 34.6–.94 10.89S 161.84E 10 3.9b,3.9
ISCJB VII 20 14 05 38.3–3.8 10.8S–.10 161.7E–.20 46–29 3.7b,3.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 20 19 51 09.9–2.3 7.49S 154.97E 0 3.9,3.8b
¶12698355

IDC Error ellipse: s-maj=79.4km s-min=32.5km az=123.0.
ISC VII 21 02 48 53.0–3.1 6.8S–.10 155.0E–.10 55–27 4.0b,3.6s 17 8-153
IDC VII 21 02 48 45.1–.87 6.84S 155.12E 0 4.3,4.2 ¶11812232
ISCJB VII 21 02 48 50.3–3.8 6.8S–.10 155.0E–.10 43–32 4.0b,3.6s
NEIC VII 21 02 48 53.1–2.2 6.80S 154.99E 57–18 4.0b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=35.3km s-min=18.6km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=23.8km s-min=18.8km az=27.3.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=11.5km az=107.0.
IDC VII 21 04 53 32.3–1.5 8.75S 160.26E 76–20 3.8,3.6
¶12698361

IDC Error ellipse: s-maj=55.8km s-min=23.8km az=145.0.
IDC VII 22 16 27 40.0–5.2 10.66S 161.14E 91–35 3.3,3.2b
¶12698388

IDC Error ellipse: s-maj=50.4km s-min=30.0km az=117.0.
IDC VII 25 03 25 23.2–1.5 6.63S 155.04E 0 4.2,4.0
¶12698424

IDC Error ellipse: s-maj=46.9km s-min=27.5km az=135.0.
IDC VII 26 05 42 09.2–3.7 9.95S 159.65E 0 4.1,3.9b
¶12698436

IDC Error ellipse: s-maj=114.3km s-min=37.8km az=142.0.
ISC VII 28 21 37 33.5–1.5 10.60S–.03 163.17E–.02 14–9 5.8s,5.5b 443 3-155
DJA VII 28 21 37 30 10.91S 164.05E 33 5.5b,5.5b ¶11153887
NEIC VII 28 21 37 32.6–.13 10.61S 163.16E 10 6.1s,5.7b
IDC VII 28 21 37 33.0–.66 10.56S 163.30E 18–3 5.6s,5.6
ISCJB VII 28 21 37 34.7–.13 10.61S–.03 163.11E–.02 33 5.8s,5.5b
MOS VII 28 21 37 36.4–1.1 10.41S 163.11E 41 5.8s,5.8b
GCMT VII 28 21 37 36.2–.10 10.50S 163.37E 18–0 5.9W,5.8b
BJI VII 28 21 37 41.3 9.93S 163.25E 68 5.9s,5.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=160.0.
IDC Error ellipse: s-maj=22.4km s-min=16.1km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=165.9.
MOS Error ellipse: s-maj=7.2km s-min=6.9km az=79.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=101, comp=208, per= 50. Moment Tensor Solution. s91,c186; s68,c97; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.07±.10 $M_{\theta\theta}$3.56±.11; $M_{\phi\phi}$-1.49±.12; $M_{r\theta}$0.66±.25; $M_{\theta\phi}$8.22±.10; $M_{\phi r}$-1.51±.26; Best double couple: NP1:ϕ_s278.00000°,δ78.00000°,λ-10.00000°. NP2:ϕ_s10.00000°,δ81.00000°,λ-168.00000°. Principal axes: T 9.6500,Plg2.0000°,Azm143.0000°; N -1.6500,Plg75.0000°,Azm47.0000° ; P -8.0000,Plg15.0000°,Azm234.0000° $M_0$8.80000×10^{17}
ISC VII 28 21 40 47.9–.92 10.62S–.03 163.13E–.02 12–5 5.8s,5.7b 448 3-167
IDC VII 28 21 40 44.8–.46 10.50S 163.31E 0 5.8s,5.8 ¶11153889
NEIC VII 28 21 40 47.4–.13 10.58S 163.10E 10 5.9b,5.8s
GCMT VII 28 21 40 49.2–.10 10.50S 163.43E 17–0 6.0W,5.8s
ISCJB VII 28 21 40 49.4–.13 10.67S–.03 163.08E–.02 33 5.8s,5.7b
BJI VII 28 21 40 49.2 10.52S 164.03E 54 6.1b,5.9s
MOS VII 28 21 40 51.5–1.3 10.50S 163.09E 47 5.8s,5.6b
SZGRF VII 28 21 40 55.7 10.53S 161.14E 33 5.8s,5.6b
DJA VII 28 21 41 24 10.62S 161.69E 268 5.4b,5.6b
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=14.0km az=89.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.9km az=157.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta=107, comp=230, per= 50. Moment Tensor Solution. s88,c181; s84,c125; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s293.00000° ,δ74.00000°,λ-11.00000°. NP2:ϕ_s26.00000°,δ79.00000°,λ-164.00000°. Principal axes: T 1.1500,Plg3.0000°,Azm159.0000°; N -0.1400,Plg71.0000°,Azm59.0000° ; P -1.0200,Plg19.0000°,Azm250.0000° $M_0$1.10000×10^{18}
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.8km az=174.7.
MOS Error ellipse: s-maj=6.9km s-min=6.6km az=80.0.
SZGRF Bougainville - Solomon Islands region.
IDC VII 28 21 45 08.7–1.8 11.00S 163.55E 0 4.4,4.2b
¶12698473
IDC Error ellipse: s-maj=65.9km s-min=30.4km az=149.0.
IDC VII 28 22 24 12.5–1.9 10.99S 163.47E 0 4.0,3.8b
¶12698474
IDC Error ellipse: s-maj=73.0km s-min=32.2km az=144.0.
ISC VII 28 23 06 42.1–.82 10.6S–.10 163.53E–.09 35 3.9b 16 4-92
IDC VII 28 23 06 35.9–1.8 10.74S 163.81E 0 4.3,4.1L ¶11812812
NEIC VII 28 23 06 38.3–.84 10.45S 163.54E 10 4.1b,4.1L
ISCJB VII 28 23 06 40.3–.81 10.6S–.10 163.51E–.08 33 3.9b,4.1L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 29 06 18 27.8–1.8 10.86S 163.67E 0 4.3,4.1
¶12698477
IDC Error ellipse: s-maj=66.3km s-min=29.6km az=147.0.
IDC VII 29 13 44 54.5–21 10.91S 163.48E 0 3.9b,3.9
¶12698482
IDC Error ellipse: s-maj=660.5km s-min=47.5km az=119.0.
ISC VII 29 15 40 46.3–1.8 10.72S–.08 163.30E–.10 43–15 4.2b,3.9s 25 4-92
IDC VII 29 15 40 39.0–1.0 10.72S 163.51E 0 5.4L,4.3 ¶11480174
ISCJB VII 29 15 40 43.9–2.2 10.74S–.08 163.3E–.10 38–18 4.2b,3.9s
BJI VII 29 15 40 43.1 10.70S 163.40E 35 5.1b,4.6b
NEIC VII 29 15 40 45.2–.65 10.67S 163.41E 35 4.6b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=21.8km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=11.7km az=148.3.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=12.6km az=116.0.
IDC VII 29 19 14 17.0–2.3 10.84S 163.32E 0 4.1,4.1
¶12698488
IDC Error ellipse: s-maj=47.5km s-min=34.7km az=121.0.
ISC VII 29 19 20 24.4–3.2 10.7S–.10 163.1E–.20 63–25 4.0b 21 3-91
IDC VII 29 19 20 15.4–1.3 10.71S 163.22E 0 4.9L,4.3 ¶11812867
ISCJB VII 29 19 20 21.8–3.6 10.8S–.10 163.1E–.20 56–28 4.0s,4.0b
NEIC VII 29 19 20 24.0–3.6 10.61S 163.03E 59–26 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=22.4km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=28.1km s-min=19.7km az=18.5.
NEIC Event type se. Error ellipse: s-maj=35.9km s-min=15.5km az=117.0.
ISC VII 29 23 06 29.1–2.6 5.6S–.10 154.6E–.10 61–27 4.3b 30 7-98
ISCJB VII 29 23 06 25.4–3.1 5.6S–.10 154.55E–.09 41–30 4.3b ¶11812884
IDC VII 29 23 06 28.8–1.3 5.62S 154.48E 53–7 4.0,4.0
NEIC VII 29 23 06 29.6–1.6 5.63S 154.57E 66–17 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=14.2km az=144.7.
IDC Error ellipse: s-maj=31.6km s-min=22.5km az=101.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.1km az=130.0.
ISC VII 30 00 24 35.3–.54 10.62S–.09 163.63E–.07 35 4.1b,3.9s 33 4-115
IDC VII 30 00 24 29.4–1.2 10.69S 163.71E 0 4.1,4.1L ¶11812891
ISCJB VII 30 00 24 33.3–.54 10.65S–.09 163.61E–.07 33 4.1b,3.9s
NEIC VII 30 00 24 35.4–.41 10.57S 163.60E 35 4.2b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=21.6km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=9.9km az=4.6.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.6km az=131.0.
IDC VII 30 05 18 12.4–1.9 11.00S 163.89E 0 4.2,4.1L
¶12698491
IDC Error ellipse: s-maj=58.5km s-min=30.4km az=142.0.
ISC VII 30 08 55 40.8–6.8 10.9S–.20 163.62E–.10 12–42 4.0b 13 4-92
IDC VII 30 08 55 38.3–2.2 10.95S 163.73E 0 4.5L,4.1 ¶11812910
ISCJB VII 30 08 55 39.8–6.4 11.0S–.20 163.6E–.10 17–44 4.0b,4.1
NEIC VII 30 08 55 44.9–1.2 10.75S 163.53E 35 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=61.2km s-min=33.3km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=18.5km az=24.8.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=16.3km az=137.0.
ISC VII 30 08 59 08.8–.98 10.8S–.20 163.58E–.09 35 3.9b 11 4-116
IDC VII 30 08 59 02.3–1.9 10.95S 163.79E 0 4.7L,4.0 ¶11812911
ISCJB VII 30 08 59 06.9–.97 10.9S–.20 163.55E–.09 33 3.9b,4.0
NEIC VII 30 08 59 08.9–1.1 10.74S 163.62E 35 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=33.3km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=23.3km s-min=12.7km az=9.5.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=16.8km az=141.0.
ISC VII 30 11 09 36.0–6.7 10.8S–.20 163.5E–.10 22–47 3.7b 13 4-92
IDC VII 30 11 09 31.9–1.5 10.82S 163.66E 0 4.1,3.9L ¶11812921
ISCJB VII 30 11 09 35.6–6.4 10.8S–.20 163.5E–.10 32–45 3.7b,3.9L
NEIC VII 30 11 09 37.7–.96 10.74S 163.56E 35 3.8b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=24.9km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=17.7km az=22.9.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=15.0km az=146.0.
IDC VII 30 11 18 34.5–2.6 10.88S 163.49E 0 4.5L,3.9
¶12698495
IDC Error ellipse: s-maj=53.3km s-min=49.2km az=30.0.
ISC VII 30 14 40 28.4–7.1 10.7S–.30 163.68E–.10 16–44 3.6b 11 4-92
IDC VII 30 14 40 25.5–1.7 10.72S 163.68E 0 4.0L,3.9 ¶11812929
NEIC VII 30 14 40 33.4–1.0 10.08S 163.63E 35 3.6b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=53.0km s-min=28.3km az=167.0.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=15.2km az=158.0.
IDC VII 30 14 45 06.3–2.4 10.71S 163.77E 0 4.5L,4.0
¶12698498
IDC Error ellipse: s-maj=50.4km s-min=37.1km az=127.0.
ISC VII 30 17 38 54.0–7.1 10.8S–.20 163.6E–.10 15–45 3.6b 10 4-92
IDC VII 30 17 38 51.1–1.6 10.82S 163.66E 0 3.9,3.8L ¶11812940
ISCJB VII 30 17 38 53.2–6.8 10.9S–.20 163.6E–.10 22–47 3.6b,3.8L
NEIC VII 30 17 38 59.5–.87 10.07S 163.55E 35 4.0b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=55.1km s-min=28.0km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=40.4km s-min=18.8km az=14.9.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=12.9km az=148.0.
ISC VII 30 19 06 58.0–.98 10.69S–.06 163.46E–.05 41–9 4.9b,4.6s 135 4-152
IDC VII 30 19 06 51.2–.71 10.69S 163.54E 0 4.9L,4.6 ¶11153997
ISCJB VII 30 19 06 54.9–1.8 10.67S–.06 163.45E–.04 30–12 4.9b,4.6s
MOS VII 30 19 06 56.1–1.0 10.49S 163.47E 33 5.4b,4.6s
GCMT VII 30 19 06 56.7–.20 10.50S 163.63E 12 5.1W,4.6s
BJI VII 30 19 06 57.6 10.15S 163.62E 35 5.1b,4.9s
NEIC VII 30 19 06 57.4–1.2 10.68S 163.44E 38–11 5.2b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=17.8km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=7.2km az=3.4.
MOS Error ellipse: s-maj=11.1km s-min=9.7km az=124.3.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s45,c80; s74,c129; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.82±.12 $M_{\theta\theta}$4.48±.11; $M_{\phi\phi}$-0.67±.12; $M_{r\theta}$-0.84±.29; $M_{\theta\phi}$3.56±.10; $M_{\phi r}$-0.88±.33; Best double couple: NP1:ϕ_s258.00000°,δ41.00000°,λ-68.00000°. NP2:ϕ_s50.00000°,δ53.00000°,λ-108.00000°. Principal axes: T 6.4300,Plg6.0000° ,Azm153.0000°; N -2.3900,Plg14.0000°,Azm61.0000°; P -4.0500,Plg74.0000° ,Azm266.0000° $M_0$5.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.4km az=171.0.
ISC VII 30 20 57 33.7–7.1 10.7S–.20 163.7E–.10 9–45 3.8b 8 4-92
IDC VII 30 20 57 31.8–1.9 10.81S 163.69E 0 4.8L,4.2s ¶11812959
ISCJB VII 30 20 57 33.0–5.9 10.7S–.20 163.7E–.10 15–38 3.8b,4.2s
NEIC VII 30 20 57 38.0–1.6 10.61S 163.61E 35 3.8b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=33.9km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=34.5km s-min=17.9km az=8.3.
NEIC Event type se. Error ellipse: s-maj=36.5km s-min=23.9km az=143.0.
ISC VII 30 21 03 10.3–5.5 10.8S–.10 163.4E–.20 73–43 3.8b 17 4-84
IDC VII 30 21 03 00.5–2.0 10.81S 163.46E 0 4.8,4.8s ¶11812961
NEIC VII 30 21 03 06.4–1.1 10.64S 163.36E 35 4.0b,4.8s
ISCJB VII 30 21 03 10.3–5.6 10.8S–.10 163.3E–.20 87–43 3.8b,4.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 30 21 21 52.8–4.5 11.0S–.10 163.7E–.20 35–32 3.8b 17 4-92
IDC VII 30 21 21 47.0–3.4 11.02S 163.83E 0 4.3L,4.0 ¶11812963
ISCJB VII 30 21 21 51.1–4.5 11.0S–.10 163.7E–.20 38–32 3.8b,4.0
NEIC VII 30 21 21 51.2–1.3 11.00S 163.99E 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=75.1km s-min=53.9km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=35.7km s-min=20.6km az=168.6.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=16.0km az=88.0.
IDC VII 31 05 53 57.7–12 10.64S 163.11E 0 4.1,3.9b
¶12698507
IDC Error ellipse: s-maj=341.2km s-min=49.9km az=115.0.
IDC VII 31 05 56 09.9–2.0 11.00S 163.71E 0 4.1,3.9
¶12698508
IDC Error ellipse: s-maj=72.9km s-min=28.3km az=143.0.
ISC VII 31 07 26 03.3–6.6 10.6S–.10 163.6E–.10 34–46 4.6b,3.9s 39 4-149
IDC VII 31 07 25 56.6–1.0 10.86S 163.65E 0 4.4,4.4 ¶11480196
BJI VII 31 07 25 58.6 9.87S 164.35E 7 5.2b,4.7b
ISCJB VII 31 07 26 01.2–6.3 10.5S–.10 163.6E–.10 28–44 4.6b,3.9s
NEIC VII 31 07 26 02.8–.41 10.70S 163.61E 35 4.9b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=21.7km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=21.0km az=154.8.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=8.8km az=151.0.
ISC VII 31 07 51 12.9–.78 10.8S–.10 163.58E–.08 35 4.1b,4.0s 17 4-126
IDC VII 31 07 51 06.0–1.5 11.07S 163.84E 0 4.2,4.1 ¶11812998
ISCJB VII 31 07 51 11.1–.78 10.7S–.10 163.55E–.08 33 4.1b,4.0s
NEIC VII 31 07 51 13.3–.74 10.48S 163.57E 35 4.4b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=29.9km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=10.6km az=3.0.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=12.7km az=153.0.
ISC VII 31 07 55 22.1–1.0 10.1S–.10 163.4E–.20 35 3.7b 9 12-91
IDC VII 31 07 55 15.2–3.4 10.30S 163.64E 0 4.1,3.9b ¶12698510
ISCJB VII 31 07 55 20.1–1.0 10.1S–.10 163.3E–.20 33 3.7b,3.9b
IDC VII 31 07 58 58.2–1.9 10.48S 163.58E 0 4.1L,4.0
¶12698511
IDC Error ellipse: s-maj=72.4km s-min=29.0km az=141.0.
IDC VII 31 07 59 43.7–1.8 10.91S 163.73E 0 4.2,4.0b
¶12698512
IDC Error ellipse: s-maj=68.2km s-min=30.6km az=149.0.
ISC VII 31 08 02 15.6–2.7 10.61S–.07 163.47E–.04 27–19 4.6b,4.5s 194 4-151
IDC VII 31 08 02 10.0–.84 10.75S 163.64E 0 4.6,4.5 ¶11154027
BJI VII 31 08 02 12.3 10.13S 163.60E 8 5.0b,4.8s
ISCJB VII 31 08 02 14.7–3.3 10.61S–.07 163.41E–.04 32–23 4.6b,4.5s
MOS VII 31 08 02 15.9–.89 10.59S 163.35E 44 4.9b,4.5s
NEIC VII 31 08 02 16.5–.27 10.54S 163.41E 35 4.6b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=17.7km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=7.0km az=12.7.
MOS Error ellipse: s-maj=10.8km s-min=9.5km az=12.3.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.7km az=147.0.
ISC VII 31 08 07 38.1–1.8 10.54S–.06 163.62E–.03 10–11 4.9b,4.7s 303 4-162
IDC VII 31 08 07 35.7–.78 10.47S 163.64E 0 4.6,4.6 ¶11154030
ISCJB VII 31 08 07 35.1–1.6 10.54S–.06 163.58E–.03 1–9 5.0b,4.7s
BJI VII 31 08 07 36.4 10.35S 163.78E 9 5.4b,5.1s
MOS VII 31 08 07 39.4–1.1 10.43S 163.47E 28 5.4b,4.6s
GCMT VII 31 08 07 40.2–.20 10.53S 163.58E 12 5.2W,4.6s
NEIC VII 31 08 07 41.8–.22 10.49S 163.51E 35 5.2b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=17.7km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.1km az=174.4.
MOS Error ellipse: s-maj=10.6km s-min=9.0km az=152.5.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s50,c77; s79,c132; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.94±.14 $M_{\theta\theta}$5.67±.15; $M_{\phi\phi}$1.28±.15; $M_{r\theta}$-0.21±.41; $M_{\theta\phi}$3.79±.13; $M_{\phi r}$-3.54±.46; Best double couple: NP1:ϕ_s260.00000°,δ41.00000°,λ-57.00000°. NP2:ϕ_s40.00000°,δ56.00000°,λ-116.00000°. Principal axes: T 8.1200,Plg8.0000° ,Azm147.0000°; N 0.2400,Plg21.0000°,Azm54.0000°; P -8.3500,Plg67.0000°,Azm257.0000° $M_0$8.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.8km az=147.0.
ISC VII 31 08 32 30.2–6.4 10.6S–.20 163.6E–.10 30–46 4.1b 12 4-126
IDC VII 31 08 32 24.3–1.8 10.81S 163.62E 0 4.4,4.2b ¶11813004
ISCJB VII 31 08 32 26.2–6.2 10.6S–.10 163.6E–.20 15–45 4.1b,4.2b
NEIC VII 31 08 32 30.8–.62 10.50S 163.61E 35 4.2b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=67.7km s-min=31.5km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=30.6km s-min=18.8km az=138.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=12.1km az=99.0.
ISC VII 31 08 34 36.8–1.2 10.8S–.20 163.6E–.20 35 4.1b 9 4-149
IDC VII 31 08 34 30.5–1.6 10.96S 163.71E 0 4.3,4.0b ¶11813005
ISCJB VII 31 08 34 34.9–1.1 10.8S–.20 163.6E–.10 33 4.1b,4.0b
NEIC VII 31 08 34 37.2–.83 10.56S 163.61E 35 4.2b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=67.7km s-min=31.5km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=30.4km s-min=18.3km az=156.1.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=14.8km az=153.0.
IDC VII 31 08 43 21.9–1.8 10.76S 163.29E 0 4.1,3.9

¶12698514

IDC Error ellipse: s-maj=67.1km s-min=26.9km az=140.0.
IDC VIII 01 18 36 10.3–3.3 11.34S 163.11E 0 4.0L,3.9
¶12580890

IDC Error ellipse: s-maj=72.4km s-min=39.9km az=115.0.
ISC VIII 01 22 28 22.4–2.7 10.69S–.09 163.4E–.10 46–21 4.3b,3.7s 34 4-100
IDC VIII 01 22 28 15.6–1.0 10.58S 163.51E 0 4.6L,4.4 ¶11907683
ISCJB VIII 01 22 28 21.4–2.9 10.71S–.09 163.4E–.10 51–23 4.3b,3.7s
NEIC VIII 01 22 28 22.3–2.7 10.63S 163.41E 43–21 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=19.5km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=14.2km az=22.2.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=12.1km az=126.0.
ISC VIII 02 03 37 59.5–3.6 5.2S–.10 154.0E–.20 112–29 3.7b 16 8-121
ISCJB VIII 02 03 37 59.3–4.1 5.3S–.10 154.0E–.20 123–34 3.7b ¶11907688
NEIC VIII 02 03 37 59.3–2.6 5.23S 154.07E 113–21 3.8b
IDC VIII 02 03 38 06.0–13 5.40S 154.08E 178–128 3.5b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.3km s-min=24.3km az=12.5.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=14.1km az=94.0.
IDC Error ellipse: s-maj=45.0km s-min=40.9km az=80.0.
ISC VIII 02 16 00 55.4–6.8 10.7S–.20 163.40E–.10 17–43 4.0b 15 4-92
IDC VIII 02 16 00 52.1–1.5 10.84S 163.42E 0 4.6L,4.2 ¶11907708
ISCJB VIII 02 16 00 55.5–6.4 10.8S–.20 163.4E–.10 29–44 4.0b,4.2
NEIC VIII 02 16 00 57.6–11 10.56S 163.34E 30–73 4.1b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=48.0km s-min=27.0km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=27.0km s-min=18.3km az=23.1.
NEIC Event type se. Error ellipse: s-maj=46.0km s-min=22.6km az=116.0.
IDC VIII 04 03 18 59.4–1.0 8.97S 158.17E 0 4.0,3.8
¶12580917

IDC Error ellipse: s-maj=33.7km s-min=22.5km az=157.0.
ISC VIII 05 20 37 00.1–1.6 9.8S–.10 160.5E–.20 173–7 4.0b 20 1-84
ISCJB VIII 05 20 36 59.0–1.5 9.8S–.10 160.5E–.20 178–6 4.0b ¶11907805
NEIC VIII 05 20 36 59.7–1.3 9.80S 160.54E 169–8 4.2b
IDC VIII 05 20 36 59.3–2.2 9.91S 160.65E 170–7 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=41.4km s-min=15.5km az=24.7.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=10.7km az=115.0.
IDC Error ellipse: s-maj=48.4km s-min=18.7km az=118.0.
ISC VIII 06 08 38 36.9–.16 8.91S–.04 157.80E–.03 35 5.0b,4.4s 336 2-156
DJA VIII 06 08 38 29 9.63S 158.62E 16 5.3b,4.4s ¶11158575
IDC VIII 06 08 38 30.7–.54 8.89S 157.87E 0 4.7,4.7
BJI VIII 06 08 38 32.6 8.24S 157.99E 6 5.2b,5.0s
NEIC VIII 06 08 38 32.6–.16 8.91S 157.85E 10 5.1b,5.0s
MOS VIII 06 08 38 34.9–1.3 8.82S 157.69E 33 5.4b,4.2s
GCMT VIII 06 08 38 34.9–.20 9.09S 157.86E 18–0 5.2W,4.2s
ISCJB VIII 06 08 38 35.1–.16 8.88S–.04 157.74E–.03 33 5.0b,4.4s
ISC Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s47,c68; s72,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}5.38±.22 $M_{\theta\theta}$-3.59±.16; $M_{\phi\phi}$-1.80±.15; $M_{r\theta}$1.45±.35; $M_{\theta\phi}$3.14±.12; $M_{\phi r}$-3.21±.37; Best double couple: NP1:ϕ_s292.00000°,δ33.00000°,λ64.00000°. NP2:ϕ_s142.00000°,δ61.00000°,λ106.00000°. Principal axes: T 6.6100,Plg70.0000° ,Azm86.0000°; N 0.1500,Plg14.0000°,Azm314.0000°; P -6.7700,Plg15.0000°,Azm221.0000° M_o6.70000×10^{16}
ISCJB Event type se.
ISC VIII 07 00 05 56.9–.97 10.74S–.04 160.98E–.03 40–8 5.0b,4.6s 351 2-165
IDC VIII 07 00 05 49.8–.50 10.78S 161.15E 0 4.7,4.7 ¶11159755
GCMT VIII 07 00 05 54.0–.20 10.93S 161.13E 14–0 5.2W,4.7
MOS VIII 07 00 05 55.9–.97 10.25S 160.95E 33 5.3b,4.7s
BJI VIII 07 00 05 56.8 10.17S 160.93E 38 5.3b,5.1s
ISCJB VIII 07 00 05 56.1–1.0 10.77S–.04 160.93E–.03 48–8 5.0b,4.6s
NEIC VIII 07 00 05 56.2–1.1 10.73S 161.02E 37–9 5.2b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=14.7km az=112.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s40,c50; s73,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}6.55±.31 $M_{\theta\theta}$-2.40±.22; $M_{\phi\phi}$-4.15±.22; $M_{r\theta}$3.41±.56; $M_{\theta\phi}$2.85±.16; $M_{\phi r}$-2.40±.49; Best double couple: NP1:ϕ_s332.00000°,δ30.00000°,λ106.00000°. NP2:ϕ_s134.00000°,δ62.00000°,λ81.00000°. Principal axes: T 7.8700,Plg72.0000° ,Azm24.0000°; N -0.4700,Plg8.0000°,Azm138.0000°; P -7.4000,Plg16.0000°,Azm230.0000° M_o7.60000×10^{16}
MOS Error ellipse: s-maj=13.4km s-min=10.1km az=102.7.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.7km az=177.3.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.7km az=144.0.
ISC VIII 08 21 36 31.6–6.8 4.4S–.20 154.1E–.60 63–43 3.8b 9 8-151
IDC VIII 08 21 36 26.9–2.6 4.32S 153.44E 0 3.9,3.8 ¶11907974
ISCJB VIII 08 21 36 29.0–8.0 4.4S–.20 154.1E–.50 57–54 3.8b,3.2s
NEIC VIII 08 21 36 31.5–6.4 4.39S 154.09E 63–41 4.1b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=87.0km s-min=25.6km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=91.4km s-min=27.7km az=4.4.
NEIC Event type se. Error ellipse: s-maj=78.4km s-min=22.0km az=95.0.
ISC VIII 09 10 56 35.1–.97 8.8S–.20 159.7E–.20 110–15 4.0b 16 1-123
ISCJB VIII 09 10 56 34.1–.95 8.9S–.20 159.6E–.20 114–15 4.0b ¶11907989
NEIC VIII 09 10 56 34.5–1.2 8.77S 159.65E 106–16 4.1b
IDC VIII 09 10 56 34.6–.70 8.86S 159.75E 108–13 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=44.2km s-min=19.7km az=38.2.
NEIC Event type se. Error ellipse: s-maj=37.3km s-min=14.1km az=132.0.
IDC Error ellipse: s-maj=41.7km s-min=20.4km az=125.0.
ISC VIII 10 08 33 53.9–.91 10.17S–.05 161.10E–.06 67–8 4.5b 63 1-160
BJI VIII 10 08 33 49.8 10.10S 161.10E 58 4.9b ¶11652870
IDC VIII 10 08 33 52.6–.67 10.13S 161.23E 60–5 4.3,4.3
NEIC VIII 10 08 33 53.0–.23 10.11S 161.11E 59 4.7b,4.3
ISCJB VIII 10 08 33 53.3–.99 10.21S–.04 161.04E–.06 76–8 4.5b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 10 22 37 16.4–2.0 10.58S–.07 161.4E–.10 76–16 3.9b 31 2-90
NEIC VIII 10 22 37 12.2–1.6 10.51S 161.42E 38–13 4.3b ¶11908059
ISCJB VIII 10 22 37 15.4–2.1 10.61S–.08 161.4E–.10 82–16 3.9b
IDC VIII 10 22 37 15.7–3.2 10.60S 161.42E 71–26 3.9,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.5km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=12.5km az=1.3.
IDC Error ellipse: s-maj=30.8km s-min=21.3km az=73.0.
ISC VIII 11 17 11 09.8–2.7 10.22S–.08 161.2E–.20 47–21 4.2b 27 1-90
IDC VIII 11 17 11 02.3–.93 10.34S 161.28E 0 4.3,4.2 ¶11908091
ISCJB VIII 11 17 11 09.1–2.8 10.23S–.09 161.1E–.20 56–20 4.2b,4.2
NEIC VIII 11 17 11 09.2–2.7 10.22S 161.19E 44–21 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=19.4km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=28.4km s-min=12.7km az=16.4.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=12.1km az=113.0.
ISC VIII 13 14 41 04.7–7.8 10.7S–.30 163.2E–.50 56–53 3.8b 8 3-146
IDC VIII 13 14 40 56.9–3.0 10.73S 163.22E 0 4.2,3.9 ¶11908160
ISCJB VIII 13 14 41 03.0–9.3 10.7S–.40 163.2E–.60 57–63 3.8b,3.9
NEIC VIII 13 14 41 07.5–8.1 10.47S 162.99E 74–55 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=109.8km s-min=30.1km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=111.4km s-min=26.5km az=30.4.
NEIC Event type se. Error ellipse: s-maj=95.0km s-min=23.0km az=119.0.
ISC VIII 13 15 00 17.6–1.9 10.7S–.10 163.3E–.10 43–17 4.1b,3.4s 17 3-146
IDC VIII 13 15 00 11.1–1.5 10.74S 163.33E 0 4.3,4.2 ¶11908161
ISCJB VIII 13 15 00 15.8–2.2 10.8S–.10 163.3E–.10 43–19 4.1b,3.4s
NEIC VIII 13 15 00 17.1–2.1 10.62S 163.32E 39–18 4.2b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=52.2km s-min=23.0km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=17.3km az=158.2.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=16.4km az=80.0.

IDC VIII 14 06 03 28.4–11 9.83S 160.45E 0 4.1,3.9
¶12581073

IDC Error ellipse: s-maj=327.5km s-min=37.9km az=117.0.
ISC VIII 14 14 49 11.8–3.0 5.6S–.20 154.2E–.10 187–26 3.7b 11 8-84
IDC VIII 14 14 48 49.9–1.7 5.43S 154.44E 0 3.9,3.8b ¶11908209
ISCJB VIII 14 14 49 11.4–3.3 5.6S–.20 154.2E–.10 200–30 3.6b,3.8b
NEIC VIII 14 14 49 11.4–3.8 5.61S 154.21E 184–31 4.3b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=61.2km s-min=23.2km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=23.8km az=15.3.
NEIC Event type se. Error ellipse: s-maj=41.1km s-min=20.7km az=104.0.
ISC VIII 15 02 36 58.7–.96 7.62S–.05 154.79E–.04 38–9 5.1b,4.1s 156 8-160
IDC VIII 15 02 36 52.9–.61 7.58S 154.71E 0 4.9,4.9 ¶11165767
ISCJB VIII 15 02 36 53.9–1.3 7.56S–.05 154.74E–.04 15–8 5.1b,4.1s
BJI VIII 15 02 36 54.9 7.26S 154.94E 20 5.1b,5.0b
NEIC VIII 15 02 36 54.7–2.5 7.56S 154.75E 10–15 5.2b,5.0b
MOS VIII 15 02 36 59.0–.76 7.10S 154.62E 33 5.2b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=14.7km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.3km az=146.2.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.6km az=105.0.
MOS Error ellipse: s-maj=14.3km s-min=8.6km az=109.8.
IDC VIII 15 03 22 00.2–2.4 11.20S 162.91E 0 3.9,3.8b
¶12581089

IDC Error ellipse: s-maj=171.2km s-min=30.8km az=129.0.
IDC VIII 15 13 22 06.7–1.9 9.50S 159.49E 0 3.9,3.8b
¶12581101

IDC Error ellipse: s-maj=79.7km s-min=28.7km az=125.0.
ISC VIII 16 05 03 56.1–1.6 7.04S–.04 157.60E–.03 22–11 5.2b,4.5s 239 3-149
ISCJB VIII 16 05 03 51.9–1.6 7.02S–.04 157.55E–.03 5–9 5.2b,4.5s ¶13391858
IDC VIII 16 05 03 52.1–.52 7.02S 157.71E 0 5.0,5.0
MOS VIII 16 05 03 56.8–1.2 6.88S 157.61E 33 5.3b,5.0
BJI VIII 16 05 03 57.1 6.81S 157.70E 35 5.3b,5.1s
NEIC VIII 16 05 03 58.5–1.3 7.02S 157.63E 41–12 5.2b,5.1s
GCMT VIII 16 05 03 59.8–.30 6.90S 157.76E 40–1 5.1W,5.1s
DJA VIII 16 05 04 19 7.20S 156.94E 201 5.0b,5.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=170.0.
IDC Error ellipse: s-maj=20.7km s-min=14.9km az=113.0.
MOS Error ellipse: s-maj=11.0km s-min=8.7km az=82.7.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.0km az=137.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s40,c48; s55,c70; Moment tensor: Scale 10^{16}Nm; M_{rr}4.14±.28 $M_{\theta\theta}$-3.08±.18; $M_{\phi\phi}$-1.06±.21; $M_{r\theta}$-3.76±.22; $M_{\theta\phi}$1.04±.15; $M_{\phi r}$0.31±.18; Best double couple: NP1:ϕ_s120.00000°,δ24.00000°,λ107.00000°. NP2:ϕ_s281.00000°,δ67.00000°,λ82.00000°. Principal axes: T 5.7500,Plg67.0000° ,Azm177.0000°; N -0.7700,Plg7.0000°,Azm284.0000°; P -4.9800,Plg22.0000°,Azm17.0000° M_o5.40000×10^{16}
ISC VIII 16 13 36 35.7–3.3 10.5S–.10 163.1E–.20 51–25 4.3b,3.5s 23 3-149
IDC VIII 16 13 36 28.8–1.4 10.57S 163.17E 0 4.5,4.4L ¶11908307
ISCJB VIII 16 13 36 35.2–3.4 10.6S–.10 163.0E–.20 62–26 4.3b,4.4L
NEIC VIII 16 13 36 38.4–3.2 10.38S 162.86E 66–25 4.5b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=51.2km s-min=22.9km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=27.7km s-min=17.7km az=15.6.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=14.0km az=108.0.
IDC VIII 16 14 37 58.6–8.8 11.01S 163.59E 0 3.8,3.7b
¶12581130

IDC Error ellipse: s-maj=265.8km s-min=54.9km az=122.0.
IDC VIII 16 18 05 53.8–6.7 11.26S 163.92E 0 4.1,3.8b
¶12581132

IDC Error ellipse: s-maj=179.5km s-min=44.9km az=119.0.
ISC VIII 17 19 16 10.1–1.7 7.3S–.10 155.61E–.08 52–17 4.3b 27 5-154
IDC VIII 17 19 16 02.7–.95 7.23S 155.55E 0 4.1,4.1 ¶11908369
ISCJB VIII 17 19 16 07.4–2.1 7.2S–.10 155.57E–.08 40–20 4.3b,4.1
NEIC VIII 17 19 16 10.3–1.5 7.25S 155.59E 56–15 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=19.9km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=13.3km az=171.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.9km az=169.0.
IDC VIII 18 13 44 03.3–2.1 6.74S 156.67E 0 4.2,4.0b
¶12581173

IDC Error ellipse: s-maj=77.7km s-min=23.9km az=127.0.
ISC VIII 18 20 34 48.3–3.6 10.2S–.20 161.4E–.30 90–27 3.6b 9 2-84
ISCJB VIII 18 20 34 48.3–3.4 10.2S–.20 161.3E–.30 103–24 3.6b ¶11908409
NEIC VIII 18 20 34 48.0–2.7 10.20S 161.43E 90–20 3.8b
IDC VIII 18 20 34 48.1–3.9 10.20S 161.44E 90–30 3.7,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=50.1km s-min=28.6km az=33.8.
NEIC Event type se. Error ellipse: s-maj=35.0km s-min=18.6km az=123.0.
IDC Error ellipse: s-maj=38.1km s-min=24.5km az=119.0.
IDC VIII 19 10 48 46.2–6.0 9.77S 157.24E 0 4.2,4.0b
¶12581195

IDC Error ellipse: s-maj=98.8km s-min=79.2km az=26.0.
ISC VIII 20 19 33 02.5–.26 10.17S–.04 161.33E–.05 94 5.2b 175 2-166
NEIC VIII 20 19 32 59.8–.25 10.17S 161.45E 75 5.3b ¶11180579
ISCJB VIII 20 19 33 00.7–.27 10.15S–.04 161.28E–.05 92 5.2b
IDC VIII 20 19 33 00.3–.64 10.28S 161.58E 84–4 4.9,4.8
GCMT VIII 20 19 33 01.2–.30 10.20S 161.45E 71–3 5.0W,4.8
MOS VIII 20 19 33 03.5–.93 10.03S 161.28E 112 5.3b,4.8
BJI VIII 20 19 33 03.5 9.74S 161.30E 103 5.2b,5.1b
DJA VIII 20 19 34 01 9.99S 157.93E 482 5.3b,5.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.2km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.3km az=22.8.
IDC Error ellipse: s-maj=12.8km s-min=8.6km az=24.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c39; s65,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}2.16±.19 $M_{\theta\theta}$-1.43±.15; $M_{\phi\phi}$-0.73±.16; $M_{r\theta}$0.17±.11; $M_{\theta\phi}$2.52±.14; $M_{\phi r}$2.13±.09; Best double couple: NP1:ϕ_s99.00000°,δ44.00000°,λ35.00000°. NP2:ϕ_s342.00000°,δ67.00000°,λ129.00000°. Principal axes: T 3.7000,Plg52.0000° ,Azm298.0000°; N 0.2200,Plg35.0000°,Azm145.0000°; P -3.9200,Plg13.0000°,Azm45.0000° M_o3.80000×10^{16}
MOS Error ellipse: s-maj=10.9km s-min=8.7km az=96.3.
IDC VIII 21 10 20 27.8–1.8 5.71S 154.22E 0 3.7,3.5
¶12581258

IDC Error ellipse: s-maj=133.3km s-min=28.2km az=129.0.
ISC VIII 24 14 58 06.1–2.2 8.6S–.30 159.4E–.30 116–33 3.6b 13 1-96
ISCJB VIII 24 14 58 04.5–3.1 8.6S–.30 159.2E–.30 112–40 3.6b ¶11908697
NEIC VIII 24 14 58 05.5–1.5 8.69S 159.47E 115–22 3.6b
IDC VIII 24 14 58 06.0–2.2 8.54S 159.32E 113–33 3.7,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=66.8km s-min=24.8km az=144.5.
NEIC Event type se. Error ellipse: s-maj=48.9km s-min=16.6km az=141.0.
IDC Error ellipse: s-maj=56.9km s-min=21.2km az=140.0.
IDC VIII 24 15 10 28.1–4.6 6.82S 155.03E 0 3.6,3.4
¶12581346

IDC Error ellipse: s-maj=99.9km s-min=44.8km az=104.0.
IDC VIII 24 20 35 55.2–4.3 8.33S 158.17E 131–63 3.6,3.5
¶12581354

IDC Error ellipse: s-maj=66.5km s-min=27.3km az=118.0.
ISC VIII 25 22 29 05.2–2.2 9.99S–.07 160.61E–.10 22–13 4.1b 27 1-165
IDC VIII 25 22 29 01.2–1.1 10.03S 160.70E 0 4.2,4.1 ¶11908809
NEIC VIII 25 22 29 06.9–.46 10.00S 160.58E 35 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=20.7km az=88.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.8km az=120.0.
IDC VIII 26 03 34 50.6–1.2 7.29S 156.10E 0 4.2,4.1b
NEIC VIII 26 03 34 56.1–1.0 7.31S 156.05E 35 4.2,4.1b ¶11908829
IDC Error ellipse: s-maj=38.1km s-min=21.6km az=110.0.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=17.3km az=115.0.
ISC VIII 26 04 59 18.7–6.4 10.05S–.09 160.6E–.10 34–44 3.8b 13 1-84
IDC VIII 26 04 59 13.4–1.2 10.11S 160.63E 0 4.1,4.0L ¶11908835

NEIC VIII 26 04 59 18.4–.96 10.06S 160.59E 35 4.4b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=21.4km az=94.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=13.0km az=122.0.
IDC VIII 28 02 56 12.1–1.6 6.58S 154.79E 0 3.9,3.7
¶12581486

IDC Error ellipse: s-maj=73.6km s-min=24.4km az=118.0.
ISC VIII 28 09 27 34.3–1.1 11.3S–.10 162.5E–.10 35 3.5b 11 3-92
IDC VIII 28 09 27 29.0–1.5 11.29S 162.47E 0 4.4L,3.8 **¶11908991**
ISCJB VIII 28 09 27 32.3–1.1 11.4S–.10 162.5E–.10 33 3.5b,3.8
NEIC VIII 28 09 27 34.8–1.1 11.25S 162.35E 35 3.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=25.6km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=12.7km az=142.6.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=17.6km az=105.0.
ISC VIII 28 23 56 49.2–2.1 11.13S–.05 162.08E–.05 29–14 4.7b,4.6s 106 3-152
BJI VIII 28 23 56 42.7 11.57S 162.71E 23 4.9s,4.9b **¶11222434**
IDC VIII 28 23 56 43.9–.48 11.22S 162.05E 0 4.6,4.6
MOS VIII 28 23 56 48.1–1.2 10.99S 162.02E 33 5.0b,4.6
NEIC VIII 28 23 56 48.0–.74 11.11S 162.06E 23–5 5.0b,4.6
ISCJB VIII 28 23 56 48.1–2.3 11.16S–.05 162.04E–.05 33–15 4.7b,4.6s
GCMT VIII 28 23 56 51.8–.20 11.11S 161.93E 20–1 5.1W,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=15.4km az=123.0.
MOS Error ellipse: s-maj=10.3km s-min=9.7km az=170.6.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.5km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=8.4km az=175.5.
GCMT Event type se. Data Used: IU IC G CN II. Moment Tensor Solution. s45,c56; s83,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}3.44±.20 $M_{\theta\theta}$-2.74±.15; $M_{\phi\phi}$-0.70±.13; $M_{r\theta}$1.36±.26; $M_{\theta\phi}$3.45±.11; $M_{\phi r}$-4.44±.36; Best double couple: NP1:ϕ_s276.00000°,δ33.00000°,λ36.00000°. NP2:ϕ_s154.00000°,δ71.00000°,λ117.00000°. Principal axes: T 6.3300,Plg55.0000° ,Azm99.0000°; N 0.4800,Plg26.0000°,Azm325.0000°; P -6.8100,Plg22.0000°,Azm224.0000° M_o6.60000×10^{16}
ISC VIII 29 00 18 28.2–3.4 10.9S–.10 161.9E–.20 37–27 4.1s,3.9b 25 2-127
IDC VIII 29 00 18 22.1–1.1 11.13S 162.16E 0 4.3L,4.2s **¶11265375**
ISCJB VIII 29 00 18 26.3–.67 10.9S–.10 161.9E–.10 33 4.1s,3.9b
NEIC VIII 29 00 18 28.0–.50 10.84S 161.89E 35 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=22.7km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=12.7km az=136.9.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.2km az=134.0.
ISC VIII 29 05 24 12.6–1.2 11.20S–.09 162.2E–.10 35 3.9b,3.7s 16 3-96
IDC VIII 29 05 24 07.4–1.7 11.33S 162.15E 0 4.2L,4.1 **¶12581529**
ISCJB VIII 29 05 24 10.8–1.2 11.22S–.09 162.2E–.10 33 3.9b,3.7s
ISC VIII 29 05 26 17.7–.80 11.18S–.07 162.0E–.10 35 4.0b,3.7s 19 3-89
IDC VIII 29 05 26 11.9–1.1 11.23S 162.05E 0 4.3,4.1b **¶12581530**
ISCJB VIII 29 05 26 15.9–.80 11.20S–.07 162.03E–.10 33 4.0b,3.7s
ISC VIII 29 11 17 21.0–3.2 11.0S–.10 161.8E–.20 68–25 3.6b 19 2-99
IDC VIII 29 11 17 11.3–1.8 11.14S 162.14E 0 4.3L,4.1 **¶11909070**
ISCJB VIII 29 11 17 21.4–3.3 11.0S–.10 161.7E–.20 86–26 3.6b,4.1
NEIC VIII 29 11 17 21.3–3.8 10.94S 161.80E 71–28 3.9b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=27.7km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=38.0km s-min=19.9km az=13.0.
NEIC Event type se. Error ellipse: s-maj=45.4km s-min=16.9km az=120.0.
ISC VIII 30 02 01 19.9–.64 8.04S–.09 156.48E–.06 35 4.0b 17 4-127
IDC VIII 30 02 01 14.4–1.0 7.93S 156.47E 0 4.5L,4.3 **¶11909100**
ISCJB VIII 30 02 01 17.9–.64 8.02S–.09 156.48E–.06 33 4.0b,4.3
NEIC VIII 30 02 01 19.9–.69 8.04S 156.50E 35 4.4b,4.3
ISC Event type fe.
IDC Error ellipse: s-maj=26.5km s-min=22.5km az=144.0.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=8.5km az=10.3.
NEIC Event type fe. Error ellipse: s-maj=19.2km s-min=15.5km az=163.0. Felt at Gizo.
ISC VIII 30 06 37 08.4–.79 10.45S–.05 161.38E–.04 136–6 4.7b 192 2-160
IDC VIII 30 06 37 06.7–2.1 10.50S 161.47E 127–14 4.5,4.4 **¶11223909**
BJI VIII 30 06 37 07.9 9.95S 161.52E 137 4.9b,4.8b
MOS VIII 30 06 37 07.4–1.1 10.38S 161.43E 144 4.8b,4.8b
ISCJB VIII 30 06 37 08.1–.80 10.42S–.05 161.29E–.04 147–6 4.7b,4.8b
NEIC VIII 30 06 37 08.2–1.3 10.42S 161.41E 138–10 4.8b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=13.8km az=116.0.
MOS Error ellipse: s-maj=11.0km s-min=10.7km az=144.2.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.9km az=140.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.0km az=118.0.
ISC VIII 30 14 48 24.2–.80 7.06S–.04 155.90E–.03 82–7 5.1b 278 5-161
MOS VIII 30 14 48 18.1–.93 6.84S 155.86E 33 5.3b,4.6s **¶11223926**
IDC VIII 30 14 48 19.7–.75 7.02S 155.83E 41–5 4.8,4.8
ISCJB VIII 30 14 48 21.4–.91 7.03S–.04 155.88E–.03 71–8 5.1b,4.8
NEIC VIII 30 14 48 23.8–.84 7.01S 155.85E 79–7 5.0b,4.8
GCMT VIII 30 14 48 23.3–.20 7.18S 155.81E 51–0 5.2W,4.8
BJI VIII 30 14 48 24.1 6.64S 155.88E 79 5.0b,4.9b
DJA VIII 30 14 48 31 7.08S 155.77E 140 5.4b,4.9b
ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=6.6km az=108.1.
IDC Error ellipse: s-maj=12.9km s-min=10.3km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.1km az=5.2.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=5.2km az=47.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s67,c89; s63,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}7.34±.24 $M_{\theta\theta}$-5.09±.16; $M_{\phi\phi}$-2.26±.17; $M_{r\theta}$-1.43±.15; $M_{\theta\phi}$3.71±.14; $M_{\phi r}$-0.47±.13; Best double couple: NP1:ϕ_s134.00000°,δ42.00000°,λ104.00000°. NP2:ϕ_s295.00000°,δ49.00000°,λ78.00000°. Principal axes: T 7.5900,Plg80.0000° ,Azm145.0000°; N 0.1000,Plg9.0000°,Azm303.0000°; P -7.7000,Plg4.0000°,Azm34.0000° M_o7.70000×10^{16}
IDC VIII 30 22 38 25.6–2.3 10.86S 163.32E 0 4.1L,4.0
¶12581582

IDC Error ellipse: s-maj=48.1km s-min=36.6km az=121.0.
ISC VIII 31 18 34 27.8–1.9 6.10S–.09 154.95E–.10 166–20 3.9b 26 6-153
IDC VIII 31 18 34 22.9–.90 6.12S 155.06E 122–6 4.0,3.9 **¶11909180**
NEIC VIII 31 18 34 23.4–.47 5.99S 154.85E 121 3.9b,3.9
ISCJB VIII 31 18 34 28.1–1.6 6.13S–.08 155.03E–.08 186–15 3.9b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 01 16 32 48.4–.97 10.7S–.20 163.67E–.09 35 3.6b,3.4s 12 4-92
IDC IX 01 16 32 41.8–1.6 10.93S 163.81E 0 4.6L,4.0 **¶11909233**
ISCJB IX 01 16 32 46.3–.98 10.8S–.20 163.62E–.09 33 3.6b,3.4s
NEIC IX 01 16 32 47.7–1.3 10.83S 163.64E 35 3.6b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=54.3km s-min=28.2km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=29.3km s-min=11.5km az=9.6.
NEIC Event type se. Error ellipse: s-maj=39.4km s-min=21.2km az=170.0.
ISC IX 01 20 38 45.6–6.5 9.4S–.20 158.14E–.07 6–41 3.7s,3.7b 14 2-98
IDC IX 01 20 38 45.0–.90 9.37S 158.05E 0 4.1,4.1L **¶11909242**
NEIC IX 01 20 38 49.7–.65 9.51S 158.15E 35 4.0b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=20.2km az=147.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=11.7km az=145.0.
ISC IX 02 07 21 27.9–1.2 7.08S–.07 155.85E–.05 124–11 4.4b 42 5-161
BJI IX 02 07 21 22.4 7.19S 156.10E 107 4.8b,4.8b **¶11909264**
IDC IX 02 07 21 24.8–2.8 7.01S 155.78E 92–28 4.2,4.2
ISCJB IX 02 07 21 25.7–1.4 7.06S–.08 155.85E–.05 118–13 4.4b,4.2
NEIC IX 02 07 21 25.2–1.2 7.04S 155.91E 101–11 4.8b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=14.8km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=9.0km az=179.4.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=9.4km az=120.0.
IDC IX 03 09 45 37.2–5.3 6.61S 155.02E 0 3.6,3.5
¶11909359

IDC Error ellipse: s-maj=167.5km s-min=36.0km az=113.0.
IDC IX 03 10 57 24.6–2.7 6.89S 155.36E 54–9 3.5,3.4
¶11909366

IDC Error ellipse: s-maj=76.7km s-min=23.3km az=117.0.
ISC IX 03 12 16 01.2–.14 10.37S–.03 161.30E–.03 91 5.2b 374 2-166
BJI IX 03 12 15 58.0 10.37S 161.62E 95 5.2b,5.1b **¶11230738**
ISCJB IX 03 12 15 59.5–.15 10.34S–.04 161.20E–.03 89 5.2b,5.1b
IDC IX 03 12 16 00.5–.54 10.42S 161.45E 95–4 4.9,4.9
NEIC IX 03 12 16 00.4–.18 10.36S 161.40E 89 5.3b,4.9
MOS IX 03 12 16 03.4–.69 10.29S 161.12E 127 5.3b,4.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.9km az=164.9.
IDC Error ellipse: s-maj=10.4km s-min=7.7km az=43.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=137.0.
MOS Error ellipse: s-maj=11.4km s-min=8.8km az=89.6.
ISC IX 03 20 40 14.2–3.1 10.9S–.10 162.1E–.20 80–24 3.6b 14 3-161
ISCJB IX 03 20 40 13.7–3.2 11.0S–.10 162.1E–.20 89–24 3.6b **¶11909403**
IDC IX 03 20 40 14.0–4.8 10.95S 162.12E 81–36 3.8,3.6
NEIC IX 03 20 40 14.1–2.1 10.85S 162.05E 80–16 4.4b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.6km s-min=18.9km az=13.1.
IDC Error ellipse: s-maj=38.4km s-min=21.5km az=109.0.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=11.5km az=115.0.
IDC IX 05 13 44 39.1–9.2 6.19S 154.75E 0 3.6,3.4b
¶11909529

IDC Error ellipse: s-maj=151.0km s-min=92.2km az=28.0.
ISC IX 06 18 49 26.5–.46 6.92S–.08 155.01E–.05 10 4.0b 26 5-153
ISCJB IX 06 18 49 24.8–.57 6.92S–.09 154.96E–.07 10 4.0b **¶11909624**
IDC IX 06 18 49 24.6–.85 6.89S 154.96E 0 4.4L,4.2
NEIC IX 06 18 49 24.5–.61 7.07S 155.27E 10 4.2b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=9.2km az=151.5.
IDC Error ellipse: s-maj=27.1km s-min=20.7km az=116.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=13.8km az=132.0.
IDC IX 07 09 36 31.4–5.7 10.75S 160.98E 47–49 3.7,3.4b
¶11909719

IDC Error ellipse: s-maj=44.4km s-min=26.0km az=119.0.
IDC IX 07 10 17 17.0–1.0 8.97S 157.83E 0 4.1,3.9
¶11909721

IDC Error ellipse: s-maj=36.5km s-min=21.1km az=149.0.
ISC IX 07 23 03 45.3–4.4 8.9S–.20 159.7E–.10 4–30 4.1b 17 1-92
ISCJB IX 07 23 03 44.8–3.7 8.9S–.20 159.7E–.10 10–27 4.1b **¶11909763**
IDC IX 07 23 03 44.8–1.0 8.91S 159.70E 0 4.1,3.9
NEIC IX 07 23 03 48.8–.71 9.09S 159.88E 35 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.5km s-min=18.0km az=143.7.
IDC Error ellipse: s-maj=26.7km s-min=9.4km az=63.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=13.3km az=106.0.
IDC IX 07 23 17 32.5–7.9 10.34S 163.51E 0 4.0,3.9b
¶11909764

IDC Error ellipse: s-maj=237.8km s-min=51.4km az=122.0.
ISC IX 08 00 58 30.5–1.3 6.31S–.07 154.82E–.05 54–12 4.4b,3.7s 51 6-153
ISCJB IX 08 00 58 26.8–1.7 6.28S–.07 154.81E–.05 36–15 4.4b,3.7s **¶11909771**
IDC IX 08 00 58 29.9–.74 6.31S 154.80E 48–6 4.3,4.3
NEIC IX 08 00 58 30.6–1.1 6.32S 154.81E 57–10 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=8.3km az=174.5.
IDC Error ellipse: s-maj=25.3km s-min=15.2km az=104.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.9km az=148.0.
ISC IX 09 12 22 50.3–1.0 9.23S–.03 158.24E–.02 15–6 5.7b,5.6s 583 2-163
BJI IX 09 12 22 46.1 8.98S 158.61E 8 5.9b,5.8s **¶12951973**
IDC IX 09 12 22 46.7–.38 9.27S 158.39E 0 5.6,5.6
ISCJB IX 09 12 22 47.2–.91 9.22S–.03 158.19E–.02 5–5 5.7b,5.6s
MOS IX 09 12 22 49.1–2.5 9.29S 158.23E 33 5.9b,5.6s
IGIL IX 09 12 22 49.2 9.29S 158.25E 10 5.9s,5.6s
NEIC IX 09 12 22 49.1–.12 9.27S 158.26E 12 6.3,5.9W
GCMT IX 09 12 22 53.0–.10 9.42S 158.36E 18–0 5.9W,5.9W
DJA IX 09 12 23 09 9.39S 157.82E 162 5.5b,5.9W
ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=12.7km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.3km az=174.8.
MOS Error ellipse: s-maj=7.3km s-min=6.2km az=73.7.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.7km az=144.0. Felt [III] at Honiara. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s51 Moment tensor: Scale 10^{17}Nm; M_{rr}3.95 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$-2.62 $M_{r\theta}$-0.48 $M_{\theta\phi}$7.32 $M_{\phi r}$-1.29 Best double couple: NP1:ϕ_s276.00000° ,δ67.00000°,λ20.00000°. NP2:ϕ_s178.00000°,δ71.00000°,λ156.00000°. Principal axes: T 6.0800,Plg30.0000°,Azm136.0000°; N 3.2700,Plg59.0000°,Azm322.0000° ; P -9.3600,Plg2.0000°,Azm227.0000° M_o8.20000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=123, comp=264, per= 50. Moment Tensor Solution. s113,c236; s87,c121; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s6.00000° ,δ74.00000°,λ170.00000°. NP2:ϕ_s99.00000°,δ80.00000°,λ16.00000°. Principal axes: T 0.8600,Plg18.0000°,Azm323.0000°; N 0.3100,Plg71.0000°,Azm129.0000° ; P -1.1700,Plg4.0000°,Azm232.0000° M_o1.00000×10^{18}
ISC IX 10 14 51 34.4–2.5 11.00S–.08 163.0E–.10 71–20 4.3b 36 3-146
BJI IX 10 14 51 25.7 10.90S 163.00E 10 4.6b **¶11909961**
IDC IX 10 14 51 31.4–4.2 11.03S 163.11E 45–35 4.4L,4.2
ISCJB IX 10 14 51 33.2–2.7 11.02S–.08 163.0E–.10 73–22 4.3b,4.2
NEIC IX 10 14 51 34.2–2.6 10.92S 162.98E 68–21 4.8b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=17.3km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=11.8km az=21.5.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=11.1km az=121.0.
ISC IX 11 04 55 46.1–2.4 10.0S–.10 160.7E–.10 14–12 3.7b 11 1-84
ISCJB IX 11 04 55 43.8–2.3 10.0S–.10 160.8E–.10 13–12 3.7b **¶11910026**
IDC IX 11 04 55 48.7–7.7 9.99S 160.71E 33–53 3.9,3.8L
NEIC IX 11 04 55 49.3–1.4 9.89S 160.62E 35 3.9,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=15.4km az=143.5.
IDC Error ellipse: s-maj=41.6km s-min=24.6km az=102.0.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=17.5km az=116.0.
IDC IX 11 07 20 19.0–1.3 8.78S 159.59E 0 4.0,3.8L
¶11910036

IDC Error ellipse: s-maj=24.8km s-min=16.8km az=48.0.
IDC IX 13 09 07 55.3–2.3 7.02S 155.98E 0 3.6,3.5
¶11910169

IDC Error ellipse: s-maj=101.2km s-min=29.0km az=127.0.
IDC IX 15 01 41 15.5–1.5 8.49S 157.61E 0 4.2L,3.8
¶11910304

IDC Error ellipse: s-maj=41.2km s-min=23.8km az=177.0.
ISC IX 15 05 48 06.6–2.5 10.6S–.10 161.7E–.20 87–20 3.6b 12 2-91
IDC IX 15 05 48 05.1–5.2 10.69S 161.77E 78–38 4.5L,3.6 **¶11910320**
ISCJB IX 15 05 48 06.3–2.4 10.7S–.10 161.6E–.20 100–19 3.6b,3.6
NEIC IX 15 05 48 06.4–2.0 10.56S 161.64E 85–17 4.4b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=41.3km s-min=26.0km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=30.6km s-min=22.0km az=178.8.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=17.4km az=102.0.
ISC IX 19 19 28 49.1–1.7 7.1S–.10 155.73E–.10 63–17 4.1b 18 5-118
ISCJB IX 19 19 28 46.8–2.1 7.0S–.10 155.71E–.10 56–20 4.1b **¶11910648**
NEIC IX 19 19 28 48.6–1.1 7.06S 155.78E 61–11 4.6b
IDC IX 19 19 28 49.1–4.3 7.04S 155.72E 61–42 4.2L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=15.9km az=167.9.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.4km az=174.0.
IDC Error ellipse: s-maj=34.0km s-min=21.5km az=131.0.
IDC IX 20 02 06 18.9–3.1 5.51S 154.51E 0 4.3,4.0b
¶11910679

IDC Error ellipse: s-maj=127.4km s-min=46.6km az=127.0.
IDC IX 20 16 07 22.8–6.6 6.71S 154.13E 0 3.5,3.4b
¶11910709

IDC Error ellipse: s-maj=201.8km s-min=38.1km az=112.0.
ISC IX 20 21 13 58.8–.62 7.33S–.09 156.0E–.10 35 4.1b 19 4-85

IDC IX 20 21 13 57.8–1.2 7.31S 156.02E 27–5 4.2,4.2L ¶11910731
NEIC IX 20 21 13 58.4–.49 7.36S 156.10E 35 4.2b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=17.8km az=107.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=11.5km az=100.0.
IDC IX 21 19 42 55.9–5.9 10.45S 161.59E 69–43 3.5,3.4
¶11910783
IDC Error ellipse: s-maj=45.5km s-min=24.6km az=117.0.
ISC IX 22 02 24 14.3–6.3 9.2S–.20 158.84E–.05 16–39 3.7b 11 1-88
IDC IX 22 02 24 11.6–.94 9.24S 158.88E 0 4.0,3.8b ¶11910803
ISCJB IX 22 02 24 15.3–4.3 9.3S–.20 158.8E–.20 33–46 3.7b,3.8b
NEIC IX 22 02 24 16.6–.57 9.32S 158.94E 35 3.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=16.6km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=46.8km s-min=18.0km az=146.4.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=11.0km az=162.0.
IDC IX 22 05 40 59.7–2.1 7.19S 155.19E 0 3.9,3.8
¶11910813
IDC Error ellipse: s-maj=68.9km s-min=28.0km az=121.0.
ISC IX 22 17 53 28.3–1.2 9.82S–.05 160.28E–.05 27–8 4.7b,4.1s 142 1-159
BJI IX 22 17 53 25.0 9.97S 160.74E 35 5.1b,5.0s ¶11284071
IDC IX 22 17 53 26.5–3.3 9.88S 160.37E 19–19 4.7,4.6
ISCJB IX 22 17 53 27.0–1.2 9.82S–.05 160.24E–.05 29–7 4.7b,4.1s
NEIC IX 22 17 53 28.2–1.4 9.79S 160.27E 30–9 4.9b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=13.3km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.5km az=160.4.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.7km az=118.0.
ISC IX 23 19 28 42.7–1.5 6.99S–.10 154.66E–.07 58–14 4.6b,3.7s 41 6-153
IDC IX 23 19 28 34.1–.94 6.90S 154.79E 0 4.4,4.3 ¶11377987
BJI IX 23 19 28 35.5 6.90S 154.70E 25 5.4b,5.2s
ISCJB IX 23 19 28 40.0–1.8 6.94S–.10 154.62E–.07 46–16 4.6b,3.7s
NEIC IX 23 19 28 42.5–1.4 6.91S 154.68E 59–13 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=18.9km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=10.8km az=169.5.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=11.1km az=162.0.
ISC IX 24 00 53 24.4–1.5 7.04S–.10 155.05E–.07 39–14 4.5b,3.7s 39 5-153
ISCJB IX 24 00 53 19.2–4.4 7.00S–.09 154.99E–.07 13–28 4.5b,3.7s ¶11910906
IDC IX 24 00 53 19.3–.90 6.91S 154.81E 0 4.3,4.2
NEIC IX 24 00 53 24.0–.30 7.00S 155.01E 35 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=9.7km az=146.8.
IDC Error ellipse: s-maj=36.3km s-min=18.0km az=119.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.1km az=114.0.
ISC IX 24 01 30 23.9–.79 7.2S–.10 155.1E–.20 35 4.5b 25 15-153
IDC IX 24 01 30 18.8–.86 7.00S 154.92E 0 4.3,4.2 ¶11910910
BJI IX 24 01 30 20.9 7.10S 155.00E 25 4.6b,4.2
ISCJB IX 24 01 30 22.1–.79 7.2S–.10 155.0E–.20 33 4.5b,4.2
NEIC IX 24 01 30 24.0–.51 7.13S 155.00E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=18.3km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=13.3km az=26.9.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=9.7km az=118.0.
ISC IX 24 06 00 50.6–.77 10.22S–.03 161.35E–.03 89–7 5.0b 385 2-166
DJA IX 24 06 00 44 10.27S 162.33E 104 5.4b ¶11302896
BJI IX 24 06 00 47.3 10.02S 162.03E 94 5.1b,4.9b
IDC IX 24 06 00 48.9–1.4 10.24S 161.48E 85–11 4.8,4.7
ISCJB IX 24 06 00 50.1–.76 10.24S–.04 161.29E–.03 98–6 5.0b,4.7
MOS IX 24 06 00 50.9–.71 10.12S 161.21E 109 5.2b,4.7
GCMT IX 24 06 00 50.1–.30 10.30S 161.47E 67–3 5.2W,4.7
NEIC IX 24 06 00 51.6–.84 10.24S 161.37E 107–7 5.0b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=12.8km s-min=10.6km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.1km az=146.9.
MOS Error ellipse: s-maj=11.1km s-min=8.0km az=60.6.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s27,c32; s60,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}3.19±.38 $M_{\theta\theta}$-3.25±.34; $M_{\phi\phi}$0.06±.33; $M_{r\theta}$-0.13±.22; $M_{\theta\phi}$6.74±.28; $M_{\phi r}$-3.43±.19; Best double couple: NP1:ϕ_s268.00000°,δ58.00000°,λ20.00000°. NP2:ϕ_s167.00000°,δ73.00000°,λ146.00000°. Principal axes: T 7.3400,Plg35.0000° ,Azm123.0000°; N 1.5500,Plg53.0000°,Azm323.0000°; P -8.8900,Plg10.0000° ,Azm220.0000° $M_0$8.10000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.7km az=127.0.
IDC IX 25 07 23 24.4–5.3 10.76S 160.86E 65–39 4.0,3.7b
¶11911002
IDC Error ellipse: s-maj=45.6km s-min=25.4km az=116.0.
IDC IX 25 14 03 53.9–1.7 6.64S 154.28E 0 3.8,3.6
¶11911013
IDC Error ellipse: s-maj=77.8km s-min=30.7km az=132.0.
ISC IX 25 17 46 59.1–1.5 8.07S–.08 159.10E–.07 61–15 4.8b 59 2-151
BJI IX 25 17 46 55.6 8.00S 159.10E 50 5.0b,4.7b ¶11378000
ISCJB IX 25 17 46 57.2–1.7 8.05S–.08 159.03E–.07 57–16 4.8b,3.4s
NEIC IX 25 17 46 57.6–1.5 8.04S 159.12E 50–13 4.9b,3.4s
IDC IX 25 17 46 59.1–1.9 8.03S 159.10E 64–18 4.5,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=11.4km az=147.3.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=8.5km az=164.0.
IDC Error ellipse: s-maj=16.8km s-min=14.5km az=85.0.
ISC IX 26 14 59 22.3–.41 10.58S–.06 161.52E–.07 83 4.2b 34 2-124
ISCJB IX 26 14 59 20.4–.41 10.62S–.06 161.50E–.07 81 4.2b ¶11911094
NEIC IX 26 14 59 21.9–.41 10.56S 161.49E 82 4.7b
IDC IX 26 14 59 22.4–.74 10.52S 161.53E 84–5 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.9km az=151.2.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.8km az=146.0.
IDC Error ellipse: s-maj=15.0km s-min=10.0km az=33.0.
ISC IX 26 21 24 57.6–1.4 7.3S–.10 156.11E–.08 105–15 3.9b 17 4-147
IDC IX 26 21 24 52.3–.84 7.21S 155.90E 46–7 4.1L,4.0 ¶11911121
ISCJB IX 26 21 24 56.0–1.7 7.3S–.10 156.10E–.08 105–18 3.9b,4.0
NEIC IX 26 21 24 57.0–1.1 7.30S 156.15E 101–10 3.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=14.3km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=13.4km az=176.6.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.4km az=171.0.
IDC IX 27 11 00 40.1–1.4 6.75S 154.03E 0 4.0,3.8b
¶11911191
IDC Error ellipse: s-maj=55.3km s-min=21.5km az=125.0.
IDC IX 27 21 32 48.6–2.0 6.50S 154.11E 0 4.0,3.9
¶11911232
IDC Error ellipse: s-maj=65.3km s-min=22.0km az=117.0.
ISC IX 28 00 46 23.9–.66 8.8S–.10 157.60E–.08 35 3.8b,3.4s 14 2-145
IDC IX 28 00 46 18.6–.86 8.76S 157.52E 0 4.5L,4.2 ¶11911241
ISCJB IX 28 00 46 22.1–.66 8.9S–.10 157.56E–.06 33 3.8b,3.4s
NEIC IX 28 00 46 23.7–.63 8.87S 157.64E 35 3.8b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=15.6km az=180.0.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=9.0km az=5.9.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=14.9km az=165.0.
IDC IX 29 15 58 44.6–1.8 7.37S 156.10E 0 4.0,3.9b
¶11911355
IDC Error ellipse: s-maj=41.0km s-min=32.9km az=172.0.
IDC IX 30 14 36 38.2–17 5.21S 154.47E 0 3.7,3.5b
¶11911457
IDC Error ellipse: s-maj=285.3km s-min=105.0km az=37.0.
IDC X 01 02 45 53.7–2.1 6.74S 154.32E 0 3.9,3.7b
¶11911522
IDC Error ellipse: s-maj=96.9km s-min=33.0km az=122.0.
ISC X 02 23 28 12.1–.59 7.1S–.10 154.96E–.10 23 3.8b 21 5-83
ISCJB X 02 23 28 10.1–.59 7.1S–.10 154.97E–.09 22 3.8b ¶11911767
IDC X 02 23 28 12.1–1.9 7.11S 154.98E 22–5 3.8,3.7
NEIC X 02 23 28 13.6–.49 7.11S 154.97E 35 4.2b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=13.1km az=158.7.
IDC Error ellipse: s-maj=51.9km s-min=22.7km az=122.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.2km az=158.0.
IDC X 03 20 50 06.4–5.1 6.96S 154.61E 0 3.6,3.5
¶12065815
IDC Error ellipse: s-maj=156.2km s-min=27.7km az=112.0.
IDC X 06 19 57 22.3–2.0 6.89S 154.26E 0 3.9,3.8
¶12066182
IDC Error ellipse: s-maj=64.1km s-min=24.8km az=123.0.
ISC X 06 19 58 18.1–6.5 6.7S–.20 154.3E–.20 10–43 3.8b 20 8-152
IDC X 06 19 58 16.5–1.9 6.78S 154.20E 0 4.0,3.9 ¶12066184
NEIC X 06 19 58 21.7–1.2 6.79S 154.22E 35 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=60.6km s-min=23.1km az=122.0.
NEIC Event type se. Error ellipse: s-maj=38.8km s-min=13.1km az=128.0.
ISC X 06 21 11 53.3–2.7 7.0S–.10 155.8E–.10 35–30 4.0b 28 5-154
IDC X 06 21 11 48.0–2.1 6.98S 155.77E 0 3.9,3.7 ¶12066194
ISCJB X 06 21 11 50.6–6.9 7.0S–.10 155.8E–.10 30–52 4.0b,3.7
NEIC X 06 21 11 53.2–.30 7.02S 155.76E 35 4.3b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=67.1km s-min=28.9km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=25.7km s-min=14.5km az=142.4.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.1km az=101.0.
ISC X 06 21 30 28.5–4.9 6.7S–.10 154.05E–.08 29–37 4.0b 40 6-152
IDC X 06 21 30 24.5–1.2 6.59S 154.04E 0 4.1,4.0 ¶12066195
ISCJB X 06 21 30 27.3–.51 6.69S–.08 154.06E–.08 33 4.0b,4.0
NEIC X 06 21 30 28.3–3.0 6.68S 154.06E 28–22 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=20.2km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=9.9km az=40.2.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.4km az=162.0.
ISC X 06 22 27 46.0–1.1 10.2S–.10 161.1E–.10 76–12 3.4b 16 1-75
ISCJB X 06 22 27 45.0–1.1 10.2S–.10 161.1E–.10 83–13 3.4b ¶12066200
NEIC X 06 22 27 46.3–.93 10.17S 161.06E 78–10 4.2b
IDC X 06 22 27 46.2–6.7 10.18S 161.05E 78–41 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.3km s-min=12.7km az=30.4.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=8.7km az=211.0.
IDC Error ellipse: s-maj=69.8km s-min=33.8km az=105.0.
ISC X 07 00 59 46.8–3.7 6.65S–.07 154.03E–.06 31–27 4.2b,3.6s 53 6-152
IDC X 07 00 59 43.0–.98 6.56S 153.94E 0 4.3,4.3 ¶12066241
ISCJB X 07 00 59 45.3–.37 6.65S–.06 154.00E–.06 33 4.2b,3.6s
NEIC X 07 00 59 47.4–.30 6.66S 154.00E 35 4.3b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=17.0km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=7.5km az=141.2.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.8km az=92.0.
ISC X 10 19 30 37.5–2.9 11.48S–.09 163.1E–.20 38–21 4.5b,3.7s 51 4-162
IDC X 10 19 30 30.9–1.3 11.55S 163.26E 0 4.4,4.3L ¶12066530
ISCJB X 10 19 30 36.1–3.1 11.51S–.09 163.0E–.10 39–22 4.5b,3.7s
NEIC X 10 19 30 37.2–2.2 11.47S 163.10E 38–16 4.7b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=22.0km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=23.7km s-min=15.1km az=1.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=10.5km az=107.0.
ISC X 11 19 36 07.0–2.5 6.35S–.08 155.3E–.10 200–22 3.9b 39 9-153
ISCJB X 11 19 36 06.1–2.6 6.34S–.08 155.4E–.10 209–23 3.9b ¶12066606
NEIC X 11 19 36 06.8–2.0 6.35S 155.33E 200–18 4.1b
IDC X 11 19 36 07.5–5.2 6.38S 155.40E 205–50 4.1s,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=12.3km az=163.6.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.9km az=77.0.
IDC Error ellipse: s-maj=20.2km s-min=12.8km az=77.0.
ISC X 11 22 22 36.9–.64 7.60S–.07 156.85E–.08 402–8 4.1b 67 4-155
ISCJB X 11 22 22 35.9–.66 7.58S–.07 156.79E–.08 403–9 4.1b ¶12066610
NEIC X 11 22 22 37.1–.68 7.60S 156.84E 405–7 4.2b
IDC X 11 22 22 37.7–1.4 7.64S 156.82E 411–16 3.7b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=8.5km az=31.7.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.7km az=129.0.
IDC Error ellipse: s-maj=21.1km s-min=9.2km az=121.0.
IDC X 12 13 51 00.1–1.9 6.87S 155.20E 0 3.6,3.4b
¶12068468
IDC Error ellipse: s-maj=49.9km s-min=33.2km az=89.0.
ISC X 13 03 03 57.7–1.2 11.51S–.05 162.46E–.08 66–9 4.6b 74 3-161
IDC X 13 03 03 49.2–.63 11.38S 162.39E 0 5.2L,4.7 ¶11346459
ISCJB X 13 03 03 55.5–1.3 11.51S–.05 162.48E–.08 64–10 4.7b,4.7
BJI X 13 03 03 59.1 10.78S 162.44E 69 5.0b,4.9b
NEIC X 13 03 04 01.1–2.1 11.39S 161.97E 77–16 4.9b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=17.0km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=8.1km az=167.6.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=8.5km az=101.0.
ISC X 13 13 00 48.0–.42 8.89S–.08 157.94E–.08 35 4.3b,3.7s 45 2-128
IDC X 13 13 00 42.9–.61 8.84S 157.93E 0 4.5L,4.4 ¶12068555
ISCJB X 13 13 00 46.0–.39 8.90S–.08 157.95E–.06 33 4.3b,3.7s
NEIC X 13 13 00 47.9–.37 8.89S 157.96E 35 4.7b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=16.5km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=8.8km az=172.8.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.2km az=154.0.
IDC X 14 03 55 31.6–1.8 10.86S 161.74E 0 4.0,3.9
¶12068595
IDC Error ellipse: s-maj=44.5km s-min=27.0km az=116.0.
ISC X 14 06 10 20.6–1.2 10.33S–.07 161.59E–.09 60–11 4.0b 38 2-93
IDC X 14 06 10 12.6–.93 10.31S 161.51E 0 4.2,4.2 ¶12068599
ISCJB X 14 06 10 19.4–1.4 10.36S–.07 161.57E–.09 65–12 3.9b,4.2
NEIC X 14 06 10 21.4–3.0 10.37S 161.55E 69–28 4.1b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=21.3km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=9.6km az=150.1.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=15.2km az=172.0.
ISC X 14 08 24 32.4–1.4 11.03S–.07 163.38E–.08 44–11 4.4b,3.7s 42 4-162
IDC X 14 08 24 25.9–.87 11.00S 163.41E 0 4.7L,4.6 ¶12068606
ISCJB X 14 08 24 30.1–1.7 11.07S–.07 163.39E–.08 38–14 4.4b,3.7s
NEIC X 14 08 24 33.7–2.6 10.93S 163.27E 54–21 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=19.0km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=9.8km az=143.5.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=11.6km az=112.0.
ISC X 15 04 46 08.5–6.4 11.2S–.10 162.3E–.10 1–39 3.9b,3.5s 16 3-85
IDC X 15 04 46 07.9–1.8 11.13S 162.29E 0 4.1,4.1L ¶12068659
ISCJB X 15 04 46 08.6–5.3 11.2S–.10 162.3E–.10 11–33 3.8b,3.5s
NEIC X 15 04 46 13.4–1.1 11.07S 162.21E 35 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=22.4km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=14.5km az=144.3.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=15.8km az=101.0.
IDC X 15 10 16 17.2–20 6.06S 154.76E 318–227 3.4,3.1b
¶12068671
IDC Error ellipse: s-maj=147.9km s-min=54.1km az=147.0.
ISC X 15 11 18 47.1–2.5 5.57S–.09 154.3E–.10 178–22 4.0b 35 8-85
IDC X 15 11 18 42.3–3.4 5.53S 154.34E 132–30 3.9,3.9 ¶12068676
ISCJB X 15 11 18 45.7–2.8 5.56S–.10 154.4E–.10 183–25 4.0b,3.9
NEIC X 15 11 18 47.0–2.0 5.60S 154.33E 179–18 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=13.6km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=13.6km az=148.7.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.3km az=66.0.
IDC X 15 11 51 45.5–1.6 8.74S 160.09E 67–21 3.7,3.6b

¶12068679

IDC Error ellipse: s-maj=55.9km s-min=24.7km az=129.0.
IDC X 15 15 12 57.0–4.1 6.18S 155.99E 0 4.0,3.7b

¶12068692

IDC Error ellipse: s-maj=317.4km s-min=29.3km az=130.0.
IDC X 16 01 05 24.6–2.4 10.88S 163.38E 0 4.2,4.1b

¶12068721

IDC Error ellipse: s-maj=48.7km s-min=34.1km az=118.0.
IDC X 16 01 12 34.5–3.0 10.99S 163.35E 0 4.2,4.1L

¶12068722

IDC Error ellipse: s-maj=52.4km s-min=44.8km az=73.0.
ISC X 16 04 04 48.6–1.7 8.7S–.20 160.0E–.20 68–19 3.7b 26 1-96
ISCJB X 16 04 04 48.0–1.5 8.8S–.20 159.9E–.20 76–17 3.7b ¶12068729
IDC X 16 04 04 47.7–.71 8.68S 160.01E 62–5 3.9,3.8
NEIC X 16 04 04 48.1–1.3 8.75S 160.04E 66–14 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.4km s-min=16.5km az=142.0.
IDC Error ellipse: s-maj=23.6km s-min=8.1km az=88.0.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=11.0km az=143.0.
IDC X 16 04 50 43.8–1.7 10.89S 163.36E 0 4.3L,4.3

¶12068732

IDC Error ellipse: s-maj=45.8km s-min=28.8km az=146.0.
ISC X 16 04 56 51.1–.87 10.9S–.10 163.31E–.09 35 3.7b 20 4-92
IDC X 16 04 56 45.6–1.3 10.87S 163.36E 0 4.2L,4.1 ¶12068733
ISCJB X 16 04 56 49.1–.86 10.9S–.10 163.28E–.09 33 3.7b,4.1
NEIC X 16 04 56 52.0–.92 10.65S 163.12E 35 3.7b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=21.8km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=12.2km az=11.7.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=16.6km az=146.0.
IDC X 16 05 20 57.9–2.0 10.93S 163.31E 0 4.4,4.4L

¶12068735

IDC Error ellipse: s-maj=45.7km s-min=36.4km az=129.0.
IDC X 16 05 42 20.6–3.1 10.73S 163.36E 0 4.1,4.1L

¶12068738

IDC Error ellipse: s-maj=50.9km s-min=44.0km az=81.0.
ISC X 17 03 09 28.8–4.3 10.8S–.10 163.4E–.20 40–34 4.1b 18 4-92
IDC X 17 03 09 22.8–1.6 10.78S 163.44E 0 4.5L,4.4 ¶12068858
ISCJB X 17 03 09 27.6–4.3 10.8S–.10 163.3E–.20 43–33 4.1b,4.4
NEIC X 17 03 09 31.7–5.2 10.65S 163.18E 61–37 4.3b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=40.1km s-min=26.8km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=32.1km s-min=23.3km az=10.5.
NEIC Event type se. Error ellipse: s-maj=57.3km s-min=17.0km az=116.0.
IDC X 17 03 11 15.6–7.4 10.91S 163.37E 0 4.4,4.2b

¶12068859

IDC Error ellipse: s-maj=218.1km s-min=50.4km az=122.0.
IDC X 18 02 38 23.3–5.9 10.69S 162.62E 84–43 4.1L,3.9

¶12068947

IDC Error ellipse: s-maj=62.3km s-min=26.7km az=125.0.
IDC X 18 05 01 30.2–1.4 11.25S 162.91E 0 4.3,4.1b

¶12068952

IDC Error ellipse: s-maj=40.3km s-min=25.8km az=155.0.
ISC X 18 21 42 54.1–3.7 6.2S–.20 154.7E–.20 175–30 3.7b 26 8-153
ISCJB X 18 21 42 52.8–3.9 6.1S–.20 154.8E–.20 178–31 3.7b ¶12069000
IDC X 18 21 42 53.7–4.8 6.16S 154.71E 170–40 3.7,3.6
NEIC X 18 21 42 54.3–3.2 6.14S 154.66E 174–26 4.1b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.2km s-min=24.1km az=25.1.
IDC Error ellipse: s-maj=34.2km s-min=22.3km az=103.0.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=18.5km az=110.0.
ISC X 19 17 26 39.7–1.4 6.76S–.07 155.24E–.07 84–13 4.2b 50 5-153
ISCJB X 19 17 26 37.5–1.7 6.71S–.08 155.23E–.07 78–16 4.2b ¶12069059
IDC X 19 17 26 37.3–2.0 6.72S 155.19E 60–17 4.2,4.2
NEIC X 19 17 26 40.2–1.3 6.77S 155.26E 89–12 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=11.3km az=164.2.
IDC Error ellipse: s-maj=17.2km s-min=13.3km az=86.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.3km az=157.0.
ISC X 19 22 28 32.6–6.9 11.32S–.09 162.8E–.10 1–42 4.2b,3.3s 21 3-85
ISCJB X 19 22 28 31.7–5.8 11.34S–.09 162.8E–.10 9–35 4.0b,3.3s ¶12069084
IDC X 19 22 28 32.9–2.4 11.32S 162.68E 0 4.7L,4.1
NEIC X 19 22 28 38.4–.81 11.29S 162.58E 35 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=15.3km az=167.5.
IDC Error ellipse: s-maj=49.0km s-min=31.6km az=105.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=8.9km az=100.0.
ISC X 20 08 43 53.1–.96 8.4S–.10 156.9E–.20 35 3.9b,3.9s 20 3-123
IDC X 20 08 43 46.9–.92 8.38S 157.13E 0 4.5L,4.3 ¶12069118
ISCJB X 20 08 43 51.2–.96 8.4S–.10 156.9E–.20 33 3.9b,3.9s
NEIC X 20 08 43 52.3–.70 8.47S 157.15E 35 3.8b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=16.5km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=29.2km s-min=18.0km az=30.5.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=15.7km az=176.0.
ISC X 20 16 48 39.3–.76 7.4S–.10 155.14E–.08 35 3.7b 18 8-153
IDC X 20 16 48 34.1–1.3 7.24S 155.08E 0 4.0,3.8 ¶12069141
ISCJB X 20 16 48 37.6–.76 7.4S–.10 155.07E–.08 33 3.7b,3.8
NEIC X 20 16 48 38.9–6.1 7.38S 155.12E 33–43 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=51.5km s-min=22.1km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=10.1km az=167.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=14.4km az=195.0.
ISC X 22 04 51 52.2–.98 7.31S–.05 155.01E–.04 88–9 4.8b 208 5-153
IDC X 22 04 51 40.9–.53 7.16S 154.97E 0 4.8,4.8 ¶11360965
MOS X 22 04 51 45.4–1.1 7.00S 154.80E 33 5.3b,4.6s
NEIC X 22 04 51 46.4–.25 7.17S 155.05E 35 5.1b,4.6s
GCMT X 22 04 51 47.7–.10 7.49S 155.03E 12 5.3W,4.6s
ISCJB X 22 04 51 49.7–1.0 7.25S–.05 154.98E–.04 78–9 4.8b,4.6s
BJI X 22 04 51 53.0 7.05S 154.89E 96 5.1b,4.9b
DJA X 22 04 51 57 7.26S 154.60E 89 5.0b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=13.0km az=119.0.
MOS Error ellipse: s-maj=11.1km s-min=8.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.0km az=125.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 104 sta. Moment Tensor Solution. s82,c126; s99,c176; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s323.00000°,δ26.00000°,λ105.00000°. NP2:ϕ_s126.00000°,δ65.00000°,λ83.00000°. Principal axes: T 1.2100,Plg69.0000° ,Azm22.0000°; N 0.0000,Plg7.0000°,Azm129.0000°; P -1.2100,Plg19.0000°,Azm222.0000° $M_0$1.20000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.7km az=162.7.
IDC X 22 05 13 12.3–1.4 7.75S 155.59E 0 4.3,4.0

¶12070778

IDC Error ellipse: s-maj=53.1km s-min=21.1km az=136.0.
ISC X 24 07 44 42.2–1.4 7.40S–.10 154.69E–.07 161–13 4.1b 43 6-153
IDC X 24 07 44 23.1–.95 7.27S 154.98E 0 4.5,4.4 ¶12070964
NEIC X 24 07 44 38.5–1.6 7.19S 154.51E 121–15 4.3b,4.4
ISCJB X 24 07 44 41.1–1.6 7.4S–.10 154.69E–.07 163–16 4.1b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 24 16 58 18.2–1.4 7.26S–.08 154.98E–.07 59–14 4.7b,4.0s 57 5-153
IDC X 24 16 58 10.2–.68 7.20S 155.02E 0 4.8,4.6 ¶12071005
ISCJB X 24 16 58 15.9–1.7 7.20S–.09 154.97E–.06 52–16 4.7b,4.0s
NEIC X 24 16 58 15.8–.33 7.20S 154.87E 35 4.9b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=12.9km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=9.9km az=161.6.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.6km az=125.0.
IDC X 25 22 05 57.3–3.1 10.90S 163.31E 0 4.0,3.9L

¶12071106

IDC Error ellipse: s-maj=54.9km s-min=45.0km az=67.0.
ISC X 27 01 48 06.2–1.7 10.43S–.08 162.3E–.10 52–14 4.4b,3.6s 41 3-148
IDC X 27 01 47 59.3–.92 10.36S 162.21E 0 4.5,4.3 ¶11451548
ISCJB X 27 01 48 05.4–2.0 10.47S–.08 162.3E–.10 59–17 4.4b,3.6s
NEIC X 27 01 48 08.5–2.1 10.38S 162.20E 69–17 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=19.8km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=12.5km az=178.5.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=10.8km az=104.0.
IDC X 28 04 28 03.9–2.5 6.08S 154.24E 283–29 3.7,3.7

¶12071305

IDC Error ellipse: s-maj=34.7km s-min=22.0km az=144.0.
IDC X 30 21 46 14.9–1.7 6.82S 155.59E 0 3.8,3.7

¶12071674

IDC Error ellipse: s-maj=53.8km s-min=27.1km az=125.0.
IDC X 31 01 12 14.9–3.6 10.19S 163.79E 0 4.1,3.9L

¶12071699

IDC Error ellipse: s-maj=149.4km s-min=32.2km az=135.0.
IDC X 31 21 32 37.3–5.4 7.26S 156.04E 0 3.6,3.4

¶12071777

IDC Error ellipse: s-maj=155.9km s-min=42.3km az=112.0.
IDC XI 01 12 34 56.0–1.3 7.10S 155.89E 0 3.8L,3.7

¶12071851

IDC Error ellipse: s-maj=33.3km s-min=28.3km az=28.0.
ISC XI 01 15 24 54.5–4.1 10.3S–.20 161.4E–.30 85–27 3.6b 21 2-90
ISCJB XI 01 15 24 53.3–4.4 10.4S–.20 161.3E–.30 90–28 3.6b ¶12071865
IDC XI 01 15 24 54.4–1.3 10.31S 161.35E 86–8 3.7,3.5b
NEIC XI 01 15 24 54.8–1.3 10.23S 161.32E 86 4.0b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=55.8km s-min=21.1km az=28.5.
IDC Error ellipse: s-maj=22.2km s-min=11.8km az=50.0.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=16.1km az=121.0.
ISC XI 02 16 50 41.0–1.2 7.1S–.10 155.42E–.06 126–13 3.7b 36 5-87
ISCJB XI 02 16 50 39.8–1.5 7.1S–.10 155.42E–.06 129–16 3.7b ¶12072003
NEIC XI 02 16 50 40.7–1.2 7.13S 155.41E 123–13 3.9b
IDC XI 02 16 50 41.1–2.1 7.17S 155.40E 126–23 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=8.9km az=172.8.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.0km az=146.0.
IDC Error ellipse: s-maj=20.7km s-min=13.4km az=159.0.
IDC XI 03 06 44 34.8–2.4 6.08S 154.27E 0 3.8,3.6

¶12072084

IDC Error ellipse: s-maj=104.7km s-min=29.3km az=126.0.
ISC XI 03 07 18 02.5–1.2 4.54S–.05 154.21E–.07 412–14 4.3b 116 9-159
ISCJB XI 03 07 18 00.3–1.3 4.51S–.05 154.19E–.07 402–13 4.3b ¶11391107
IDC XI 03 07 18 00.6–1.2 4.49S 154.05E 390–11 4.0,4.0
NEIC XI 03 07 18 01.9–1.2 4.46S 154.17E 406–12 4.5b,4.0
BJI XI 03 07 18 07.0 3.70S 153.70E 413 4.6b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=8.1km az=178.4.
IDC Error ellipse: s-maj=13.6km s-min=7.6km az=110.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.5km az=73.0.
IDC XI 05 06 12 36.1–1.8 7.10S 155.18E 0 3.9,3.7

¶12072345

IDC Error ellipse: s-maj=74.7km s-min=25.3km az=127.0.
ISC XI 05 13 17 37.1–5.0 6.51S–.07 154.24E–.07 11–31 4.6b,3.8s 70 8-152
IDC XI 05 13 17 35.2–.72 6.53S 154.28E 0 4.5,4.5 ¶12072408
ISCJB XI 05 13 17 36.9–4.9 6.52S–.08 154.19E–.07 18–34 4.6b,3.8s
NEIC XI 05 13 17 42.8–1.9 6.58S 154.11E 51–16 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=16.6km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=11.7km az=177.6.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.3km az=60.0.
ISC XI 06 14 57 38.8–.85 6.43S–.04 154.98E–.03 88–8 4.9b 227 6-160
MOS XI 06 14 57 31.7–.87 6.18S 154.84E 33 5.3b ¶11396258
ISCJB XI 06 14 57 35.6–1.0 6.37S–.04 154.96E–.03 71–9 4.9b
IDC XI 06 14 57 35.4–.64 6.34S 154.90E 58–5 4.7,4.7
NEIC XI 06 14 57 35.2–.19 6.32S 154.93E 55 5.1b,4.7
BJI XI 06 14 57 37.0 6.08S 155.21E 85 5.1b,4.9b
GCMT XI 06 14 57 37.4–.30 6.49S 154.94E 54–1 4.9W,4.9b
ISC Event type se.
MOS Error ellipse: s-maj=10.4km s-min=8.3km az=81.5.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.4km az=175.6.
IDC Error ellipse: s-maj=11.7km s-min=10.1km az=72.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=5.0km az=118.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c38; s42,c56; Moment tensor: Scale 10^{16}Nm; M_{rr}3.28±.17 $M_{\theta\theta}$-1.67±.12; $M_{\phi\phi}$-1.61±.12; $M_{r\theta}$-0.39±.08; $M_{\theta\phi}$1.61±.08; $M_{\phi r}$0.07±.09; Best double couple: NP1:ϕ_s138.00000°,δ42.00000°,λ96.00000°. NP2:ϕ_s311.00000°,δ48.00000°,λ85.00000°. Principal axes: T 3.3100,Plg85.0000° ,Azm172.0000°; N -0.0500,Plg4.0000°,Azm314.0000°; P -3.2700,Plg3.0000°,Azm44.0000° $M_0$3.30000×10^{16}
ISC XI 07 11 01 09.0–2.4 10.5S–.10 162.0E–.20 126–19 3.9b 30 2-88
IDC XI 07 11 01 04.0–1.1 10.84S 162.20E 88–7 4.1,3.8 ¶12072668
ISCJB XI 07 11 01 08.3–2.4 10.6S–.10 162.0E–.20 133–18 3.9b,3.8
NEIC XI 07 11 01 08.9–2.8 10.56S 162.11E 128–22 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=18.4km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=29.8km s-min=16.8km az=31.5.
NEIC Event type se. Error ellipse: s-maj=33.2km s-min=17.4km az=126.0.
IDC XI 11 02 22 02.2–2.9 10.37S 161.85E 0 3.9,3.7b

¶12073132

IDC Error ellipse: s-maj=115.5km s-min=29.1km az=136.0.
ISC XI 12 07 41 52.6–.64 5.82S–.09 154.8E–.10 35 3.9b 21 6-83
IDC XI 12 07 41 47.4–1.0 5.76S 154.76E 0 4.2,4.1b ¶12073279
NEIC XI 12 07 41 49.0–.51 5.77S 154.79E 10 4.2,4.1b
ISCJB XI 12 07 41 50.4–.64 5.82S–.09 154.83E–.10 33 3.9b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 12 09 07 41.9–3.4 9.61S 159.70E 0 3.8,3.5b

¶12073280

IDC Error ellipse: s-maj=161.6km s-min=29.1km az=134.0.
IDC XI 13 12 51 44.8–2.2 7.56S 156.40E 0 4.0,3.9

¶12073419

IDC Error ellipse: s-maj=65.0km s-min=25.2km az=120.0.
ISC XI 17 23 12 48.5–1.4 6.11S–.06 154.6E–.10 426–15 4.1b 59 8-152
ISCJB XI 17 23 12 46.9–1.5 6.09S–.06 154.5E–.10 423–16 4.1b ¶12073935
IDC XI 17 23 12 46.2–2.3 6.08S 154.62E 400–22 3.8,3.7
NEIC XI 17 23 12 47.6–1.4 6.11S 154.58E 418–15 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=9.0km az=9.0.
IDC Error ellipse: s-maj=23.9km s-min=11.6km az=98.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.5km az=87.0.
ISC XI 18 04 05 25.1–2.6 10.14S–.09 161.5E–.20 98–17 4.3b 35 2-114
ISCJB XI 18 04 05 24.4–2.4 10.14S–.09 161.5E–.20 108–15 4.3b ¶12073963
NEIC XI 18 04 05 24.0–2.8 10.11S 161.62E 94–20 4.3b
IDC XI 18 04 05 25.7–1.6 10.18S 161.42E 104–10 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.4km s-min=14.6km az=9.3.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=13.8km az=102.0.
IDC Error ellipse: s-maj=22.7km s-min=11.6km az=66.0.
ISC XI 21 07 05 35.9–.08 8.94S–.02 159.54E–.02 123 6.0b 1004 1-173
BJI XI 21 07 05 30.3 8.85S 160.02E 108 6.1b,5.9b ¶11473150
NOU XI 21 07 05 31.5–2.4 9.69S 158.03E 16–999 6.1b,5.9b
MOS XI 21 07 05 33.4–.87 8.79S 159.51E 110 6.0b,5.1s
NEIC XI 21 07 05 34.9–.10 8.95S 159.55E 118 6.3,6.1W
ISCJB XI 21 07 05 34.2–.08 8.95S–.02 159.49E–.02 122 6.0b,6.1W
IDC XI 21 07 05 34.9–.36 8.94S 159.64E 119–3 5.5,5.5
GCMT XI 21 07 05 36.6–.10 8.97S 159.73E 126–0 6.0W,5.5
DJA XI 21 07 05 42 8.93S 159.65E 193 5.9W,5.5

ISC Event type fe.
NOU Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.3km s-min=5.6km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=3.4km az=149.0. Felt [IV] at Honiara. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s315.00000°,δ55.00000°,λ90.00000°. NP2:ϕ_s135.00000°,δ35.00000°,λ90.00000°. Principal axes: T Plg80.0000°,Azm225.0000°; N Plg0.0000°,Azm0.0000°; P Plg10.0000° ,Azm45.0000° Moment Tensor Solution. s73 Moment tensor: Scale 10^{18}Nm; M_{rr}1.49 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-0.84 $M_{r\theta}$-0.53 $M_{\theta\phi}$0.41 $M_{\phi r}$0.10 Best double couple: NP1:ϕ_s310.00000° ,δ55.00000°,λ78.00000°. NP2:ϕ_s150.00000°,δ37.00000°,λ106.00000°. Principal axes: T 1.6100,Plg76.0000°,Azm180.0000°; N -0.3800,Plg9.0000°,Azm316.0000° ; P -1.2300,Plg8.0000°,Azm48.0000° $M_0$1.50000×10^{18}
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=176.5.
IDC Error ellipse: s-maj=9.0km s-min=7.6km az=73.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=126, comp=288, per= 50. Moment Tensor Solution. s117,c256; s75,c92; Moment tensor: Scale 10^{18}Nm; M_{rr}1.01±.01 $M_{\theta\theta}$-0.44±.01; $M_{\phi\phi}$-0.57±.01; $M_{r\theta}$-0.70±.01; $M_{\theta\phi}$0.61±.01; $M_{\phi r}$0.04±.01; Best double couple: NP1:ϕ_s158.00000°,δ36.00000°,λ126.00000°. NP2:ϕ_s296.00000°,δ61.00000°,λ67.00000°. Principal axes: T 1.3100,Plg65.0000°,Azm165.0000°; N -0.0800,Plg20.0000°,Azm308.0000° ; P -1.2400,Plg14.0000°,Azm43.0000° $M_0$1.30000×10^{18}

IDC	**XI**	**22 03 48 37.5–3.7**	**7.40S**	**155.12E**	**0**	**3.7,3.6b**			
									¶12074468
IDC		Error ellipse: s-maj=126.3km s-min=34.0km az=117.0.							
IDC	**XI**	**22 03 52 52.1–3.2**	**7.85S**	**155.98E**	**0**	**3.9,3.7**			
									¶12074469
IDC		Error ellipse: s-maj=112.6km s-min=37.8km az=122.0.							
ISC	**XI**	**22 23 21 06.4–1.8**	**5.94S–.09**	**154.80E–.09**	**218–16**	**4.0b**	**19**	**8-153**	
ISCJB	XI	22 23 21 04.8–2.0	5.92S–.09	154.84E–.10	218–19	4.1b			**¶12074541**
IDC	XI	22 23 21 06.6–2.2	5.93S	154.73E	218–20	4.3s,4.2			
ISCJB	Error ellipse: s-maj=15.6km s-min=14.4km az=7.1.								
IDC	Error ellipse: s-maj=15.0km s-min=11.0km az=105.0.								
IDC	**XI**	**23 06 08 09.1–1.3**	**8.84S**	**158.69E**	**0**	**4.1,3.9b**			
									¶12074566
IDC		Error ellipse: s-maj=36.5km s-min=18.5km az=13.0.							
IDC	**XI**	**24 03 36 06.5–1.1**	**7.68S**	**155.13E**	**0**	**4.5,4.3**			
									¶12074640
IDC		Error ellipse: s-maj=38.0km s-min=18.3km az=136.0.							
IDC	**XI**	**25 03 14 14.0–2.9**	**10.28S**	**161.55E**	**0**	**4.2,4.0b**			
									¶12074755
IDC		Error ellipse: s-maj=103.5km s-min=25.6km az=133.0.							
ISC	**XI**	**26 00 52 32.5–3.8**	**10.9S–.10**	**163.3E–.20**	**37–30**	**4.0b,3.2s**	**26**	**4-92**	
IDC	XI	26 00 52 26.5–1.3	10.89S	163.36E	0	4.3,4.3L			**¶12074844**
ISCJB	XI	26 00 52 31.0–3.8	10.9S–.10	163.3E–.20	38–29	4.0b,3.2s			
NEIC	XI	26 00 52 32.5–.80	10.73S	163.27E	35	4.0b,3.2s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=41.3km s-min=22.0km az=149.0.								
ISCJB	Event type se. Error ellipse: s-maj=27.1km s-min=18.5km az=21.3.								
NEIC	Event type se. Error ellipse: s-maj=21.5km s-min=12.1km az=138.0.								
IDC	**XI**	**26 11 28 19.4–3.0**	**10.95S**	**163.31E**	**0**	**4.2,4.1L**			
									¶12074890
IDC		Error ellipse: s-maj=53.1km s-min=44.2km az=73.0.							
ISC	**XI**	**27 09 05 08.3–1.8**	**6.43S–.09**	**155.5E–.10**	**216–14**	**3.9b**	**38**	**9-153**	
ISCJB	XI	27 09 05 06.1–2.0	6.36S–.09	155.4E–.10	205–17	3.9b			**¶12075017**
IDC	XI	27 09 05 09.5–4.6	6.51S	155.41E	228–40	3.8,3.7			
NEIC	XI	27 09 05 10.9–3.2	6.44S	155.29E	238–28	4.3b,3.7			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=25.3km s-min=12.4km az=23.0.								
IDC	Error ellipse: s-maj=35.2km s-min=17.3km az=103.0.								
NEIC	Event type se. Error ellipse: s-maj=30.8km s-min=14.4km az=97.0.								
ISC	**XI**	**28 02 02 50.5–1.7**	**6.1S–.20**	**154.78E–.06**	**108–17**	**3.8b**	**30**	**6-153**	
ISCJB	XI	28 02 02 48.7–2.1	6.1S–.20	154.77E–.05	104–21	3.8b			**¶12075100**
IDC	XI	28 02 02 50.4–2.6	6.16S	154.77E	108–25	3.9,3.7b			
NEIC	XI	28 02 02 50.3–1.5	6.21S	154.79E	108–15	4.1b,3.7b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=25.8km s-min=8.9km az=178.9.								
IDC	Error ellipse: s-maj=24.8km s-min=14.4km az=172.0.								
NEIC	Event type se. Error ellipse: s-maj=20.8km s-min=11.5km az=169.0.								
ISC	**XI**	**28 18 04 17.9–1.7**	**6.2S–.10**	**154.12E–.09**	**71–16**	**3.7b**	**29**	**7-152**	
ISCJB	XI	28 18 04 15.3–2.1	6.1S–.10	154.12E–.08	63–20	3.8b			**¶12075162**
NEIC	XI	28 18 04 17.7–1.8	6.15S	154.08E	70–17	4.2b			
IDC	XI	28 18 04 18.8–6.4	6.17S	154.03E	78–50	3.5,3.4			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=22.4km s-min=12.8km az=168.3.								
NEIC	Event type se. Error ellipse: s-maj=19.0km s-min=13.7km az=161.0.								
IDC	Error ellipse: s-maj=48.9km s-min=24.4km az=103.0.								
IDC	**XI**	**29 01 21 55.2–4.2**	**7.34S**	**155.84E**	**0**	**3.9b,3.9**			
									¶12075209
IDC		Error ellipse: s-maj=129.5km s-min=28.2km az=113.0.							
ISC	**XI**	**30 07 58 04.6–.59**	**8.89S–.10**	**157.97E–.07**	**35**	**4.1b,3.4s**	**16**	**2-98**	
IDC	XI	30 07 57 58.6–.83	8.96S	158.15E	0	4.5,4.3b			**¶11653356**
ISCJB	XI	30 07 58 02.8–.59	8.89S–.10	157.94E–.06	33	4.1b,3.4s			
ISC	**XII**	**01 22 38 27.1–1.6**	**7.1S–.10**	**155.69E–.09**	**87–16**	**3.7b**	**26**	**5-154**	
IDC	XII	01 22 38 19.6–1.6	7.01S	156.03E	32–6	3.9,3.8			**¶12075463**
ISCJB	XII	01 22 38 25.7–1.9	7.1S–.10	155.69E–.09	90–19	3.7b,3.8			
NEIC	XII	01 22 38 27.2–1.3	7.08S	155.70E	91–12	3.9b,3.8			
ISC	Event type se.								
IDC	Error ellipse: s-maj=44.0km s-min=21.6km az=118.0.								
ISCJB	Event type se. Error ellipse: s-maj=22.6km s-min=14.1km az=160.0.								
NEIC	Event type se. Error ellipse: s-maj=15.2km s-min=10.0km az=164.0.								
IDC	**XII**	**02 13 36 55.2–7.6**	**6.46S**	**154.62E**	**158–59**	**3.3,3.1**			
									¶12075506
IDC		Error ellipse: s-maj=99.2km s-min=28.6km az=125.0.							
ISC	**XII**	**03 11 16 24.2–4.7**	**9.8S–.10**	**159.17E–.08**	**31–35**	**4.1b,3.4s**	**38**	**1-97**	
ISCJB	XII	03 11 16 23.0–.45	9.72S–.08	159.09E–.07	33	4.1b,3.4s			**¶12075604**
IDC	XII	03 11 16 23.2–6.7	9.87S	159.20E	26–48	4.1,4.1			
NEIC	XII	03 11 16 24.7–.44	9.75S	159.15E	35	4.0b,4.1			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=13.3km s-min=7.0km az=147.3.								
IDC	Error ellipse: s-maj=30.0km s-min=12.5km az=145.0.								
NEIC	Event type se. Error ellipse: s-maj=14.6km s-min=7.3km az=128.0.								
ISC	**XII**	**03 20 12 43.3–2.0**	**7.1S–.20**	**155.91E–.07**	**40–22**	**3.8b**	**17**	**5-154**	
ISCJB	XII	03 20 12 40.9–2.5	7.2S–.20	155.88E–.08	34–26	3.8b			**¶12075639**
IDC	XII	03 20 12 41.3–.98	7.19S	155.88E	27–3	3.9,3.9			
NEIC	XII	03 20 12 42.5–.86	7.12S	155.84E	35	3.8b,3.9			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=30.4km s-min=12.4km az=5.2.								
IDC	Error ellipse: s-maj=26.4km s-min=21.9km az=113.0.								
NEIC	Event type se. Error ellipse: s-maj=23.0km s-min=15.8km az=11.0.								
IDC	**XII**	**04 16 18 07.1–1.6**	**7.97S**	**159.83E**	**0**	**3.6,3.4**			
									¶12075755
IDC		Error ellipse: s-maj=42.1km s-min=27.9km az=107.0.							
IDC	**XII**	**06 19 54 56.7–1.6**	**11.22S**	**162.22E**	**0**	**4.0L,3.8**			
									¶12076061
IDC		Error ellipse: s-maj=38.2km s-min=28.8km az=131.0.							
IDC	**XII**	**07 12 46 32.9–2.0**	**10.61S**	**161.78E**	**0**	**3.9,3.7b**			
									¶12076190
IDC		Error ellipse: s-maj=49.1km s-min=28.9km az=134.0.							
IDC	**XII**	**07 15 11 39.4–8.4**	**11.14S**	**162.70E**	**60–60**	**4.5L,3.9s**			
									¶12076219
IDC		Error ellipse: s-maj=61.9km s-min=35.1km az=94.0.							
ISC	**XII**	**08 03 54 32.6–2.6**	**10.3S–.10**	**160.9E–.20**	**65–20**	**3.8b**	**26**	**1-159**	
IDC	XII	08 03 54 23.5–.90	10.13S	161.01E	0	4.2,4.1			**¶12076292**
ISCJB	XII	08 03 54 32.4–2.5	10.3S–.10	160.9E–.20	76–19	3.8b,4.1			
NEIC	XII	08 03 54 32.5–2.0	10.21S	160.89E	65–15	4.1b,4.1			
ISC	Event type se.								
IDC	Error ellipse: s-maj=31.9km s-min=19.5km az=135.0.								
ISCJB	Event type se. Error ellipse: s-maj=31.9km s-min=15.9km az=28.7.								
NEIC	Event type se. Error ellipse: s-maj=23.2km s-min=11.6km az=121.0.								
ISC	**XII**	**09 17 16 25.1–.80**	**6.9S–.10**	**154.70E–.08**	**35**	**3.4b**	**15**	**6-83**	
IDC	XII	09 17 16 20.9–4.1	6.74S	154.53E	0	3.7,3.6			**¶12076576**
ISCJB	XII	09 17 16 22.8–.81	6.8S–.10	154.76E–.08	33	3.5b,3.6			
NEIC	XII	09 17 16 25.1–.77	6.86S	154.69E	35	3.9b,3.6			
ISC	Event type se.								
IDC	Error ellipse: s-maj=105.0km s-min=28.9km az=110.0.								
ISCJB	Event type se. Error ellipse: s-maj=21.6km s-min=8.9km az=17.9.								
NEIC	Event type se. Error ellipse: s-maj=20.1km s-min=14.2km az=191.0.								
IDC	**XII**	**10 01 01 10.3–8.1**	**5.78S**	**156.11E**	**0**	**3.9,3.7b**			
									¶12076648
IDC		Error ellipse: s-maj=246.4km s-min=40.3km az=110.0.							
ISC	**XII**	**11 09 05 49.7–1.4**	**6.96S–.09**	**155.81E–.07**	**102–13**	**3.9b**	**44**	**5-154**	
ISCJB	XII	11 09 05 48.3–1.6	6.97S–.09	155.79E–.06	103–15	3.9b			**¶12076880**
IDC	XII	11 09 05 49.2–2.5	6.97S	155.78E	97–23	3.9,3.9			
NEIC	XII	11 09 05 49.9–.93	6.97S	155.81E	104–9	4.7b,3.9			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=15.7km s-min=10.3km az=166.4.								
IDC	Error ellipse: s-maj=17.9km s-min=16.1km az=139.0.								
NEIC	Event type se. Error ellipse: s-maj=9.6km s-min=7.1km az=149.0.								
ISC	**XII**	**15 19 46 12.2–1.3**	**8.0S–.20**	**155.0E–.10**	**35**	**3.5b**	**16**	**8-153**	
IDC	XII	15 19 46 08.1–2.1	7.83S	154.85E	0	3.7,3.6b			**¶12077651**
NEIC	XII	15 19 46 14.2–1.5	7.80S	154.61E	35	3.7,3.6b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=60.3km s-min=28.0km az=126.0.								
NEIC	Event type se. Error ellipse: s-maj=39.7km s-min=17.1km az=127.0.								
IDC	**XII**	**18 05 26 14.1–1.1**	**6.60S**	**154.93E**	**0**	**3.8,3.8**			
									¶12078014
IDC		Error ellipse: s-maj=44.0km s-min=23.2km az=111.0.							
ISC	**XII**	**18 06 22 18.5–.23**	**6.96S–.03**	**156.61E–.04**	**125**	**5.0b**	**232**	**4-162**	
ISCJB	XII	18 06 22 16.7–.23	6.94S–.03	156.58E–.04	123	5.0b			**¶12078017**
MOS	XII	18 06 22 17.8–.93	6.92S	156.70E	134	4.9b			
BJI	XII	18 06 22 17.4	6.47S	156.56E	110	5.1b,5.0b			
IDC	XII	18 06 22 17.3–.49	7.00S	156.53E	114–4	4.8,4.8			
NEIC	XII	18 06 22 19.7–1.1	6.96S	156.65E	139–10	5.0b,4.8			
DJA	XII	18 06 22 27	7.00S	156.28E	196	5.3b,4.8			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=164.6.								
MOS	Error ellipse: s-maj=9.2km s-min=7.3km az=108.8.								
IDC	Error ellipse: s-maj=10.3km s-min=8.8km az=77.0.								
NEIC	Event type se. Error ellipse: s-maj=7.1km s-min=6.5km az=121.0.								
IDC	**XII**	**19 06 24 03.1–1.7**	**6.98S**	**155.43E**	**0**	**4.0,3.7**			
									¶12078149
IDC		Error ellipse: s-maj=69.6km s-min=26.7km az=133.0.							
ISC	**XII**	**19 20 02 21.2–.74**	**9.96S–.03**	**160.39E–.03**	**40–6**	**5.1b,4.6s**	**353**	**1-165**	
IDC	XII	19 20 02 14.3–.49	9.99S	160.55E	0	5.1,5.1			**¶13403367**
BJI	XII	19 20 02 17.2	10.03S	161.05E	47	5.2b,5.1s			
MOS	XII	19 20 02 18.4–.81	9.87S	160.38E	33	5.4b,4.6s			
ISCJB	XII	19 20 02 19.9–.83	9.98S–.03	160.34E–.03	43–7	5.1b,4.6s			
NEIC	XII	19 20 02 19.9–.19	9.96S	160.48E	36	5.2b,4.7s			
GCMT	XII	19 20 02 21.6–.30	10.15S	160.35E	34–0	5.1W,4.7s			
DJA	XII	19 20 02 30	10.19S	160.27E	112	5.1b,4.7s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=16.1km s-min=13.8km az=84.0.								
MOS	Error ellipse: s-maj=9.2km s-min=7.9km az=86.3.								
ISCJB	Event type fe. Error ellipse: s-maj=5.8km s-min=5.2km az=164.7.								
NEIC	Event type fe. Error ellipse: s-maj=6.2km s-min=5.1km az=135.0. Felt at Honiara.								
GCMT	Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s59,c75; s65,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}4.93±.25 $M_{\theta\theta}$-3.22±.17; $M_{\phi\phi}$-1.71±.18; $M_{r\theta}$2.95±.26; $M_{\theta\phi}$3.02±.13; $M_{\phi r}$-1.34±.23; Best double couple: NP1:ϕ_s317.00000°,δ30.00000°,λ104.00000°. NP2:ϕ_s120.00000°,δ61.00000°,λ82.00000°. Principal axes: T 5.9000,Plg73.0000° ,Azm10.0000°; N 0.5500,Plg7.0000°,Azm124.0000°; P -6.4600,Plg16.0000°,Azm216.0000° $M_0$6.20000×10^{16}								
ISC	**XII**	**19 22 33 20.6–.12**	**9.95S–.03**	**160.40E–.02**	**37**	**5.4b,4.7s**	**498**	**1-165**	
IDC	XII	19 22 33 14.1–.39	9.98S	160.53E	0	5.4,5.4			**¶11513645**
ISCJB	XII	19 22 33 18.8–.13	9.95S–.03	160.35E–.02	35	5.4b,4.7s			
BJI	XII	19 22 33 18.3	9.49S	160.50E	26	5.4b,5.3b			
MOS	XII	19 22 33 18.4–.81	9.88S	160.37E	33	5.6b,4.7s			
NEIC	XII	19 22 33 20.1–.12	9.96S	160.40E	39	5.4b,4.8s			
GCMT	XII	19 22 33 22.6–.20	10.12S	160.33E	35–0	5.2W,4.8s			
DJA	XII	19 22 33 32	10.02S	160.06E	131	5.5b,4.8s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=12.7km s-min=11.7km az=91.0.								
ISCJB	Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=165.8.								
MOS	Error ellipse: s-maj=8.3km s-min=6.9km az=79.5.								
NEIC	Event type fe. Error ellipse: s-maj=4.2km s-min=3.4km az=139.0. Felt [II] at Honiara.								
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c108; s80,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}5.18±.21 $M_{\theta\theta}$-4.59±.16; $M_{\phi\phi}$-0.59±.16; $M_{r\theta}$4.89±.22; $M_{\theta\phi}$5.43±.13; $M_{\phi r}$0.50±.20; Best double couple: NP1:ϕ_s336.00000°,δ40.00000°,λ142.00000°. NP2:ϕ_s97.00000°,δ67.00000°,λ57.00000°. Principal axes: T 8.1100,Plg55.0000° ,Azm324.0000°; N 1.2700,Plg30.0000°,Azm112.0000°; P -9.3800,Plg15.0000° ,Azm211.0000° $M_0$8.80000×10^{16}								
IDC	**XII**	**21 09 26 13.7–1.7**	**8.67S**	**158.86E**	**167–27**	**3.6,3.4b**			
									¶12078438
IDC		Error ellipse: s-maj=52.9km s-min=18.8km az=127.0.							
ISC	**XII**	**21 13 13 44.3–1.1**	**11.28S–.05**	**162.24E–.06**	**37–10**	**4.6b,4.3s**	**82**	**3-161**	
IDC	XII	21 13 13 38.9–.68	11.38S	162.24E	0	4.6,4.6b			**¶11517278**
ISCJB	XII	21 13 13 42.5–1.3	11.32S–.05	162.25E–.06	38–12	4.6b,4.3s			
NEIC	XII	21 13 13 44.2–1.4	11.24S	162.23E	40–13	4.7b,4.3s			
BJI	XII	21 13 13 45.2	11.20S	162.20E	53	5.0s,5.0b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=19.3km s-min=17.1km az=133.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.7km s-min=7.5km az=150.8.								
NEIC	Event type se. Error ellipse: s-maj=11.2km s-min=10.1km az=193.0.								
ISC	**XII**	**21 14 26 50.7–.56**	**11.24S–.06**	**162.40E–.07**	**35**	**4.4s,3.9b**	**44**	**3-149**	
ISCJB	XII	21 14 26 48.8–.58	11.25S–.06	162.39E–.07	33	4.4s,3.9b			**¶11593873**
IDC	XII	21 14 26 49.5–5.5	11.21S	162.34E	25–34	4.3,4.3s			
GCMT	XII	21 14 26 50.6–.20	11.31S	162.24E	16–1	5.2W,4.3s			
NEIC	XII	21 14 26 51.5–1.3	11.21S	162.33E	38–12	4.5b,4.3s			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=10.6km s-min=8.1km az=148.4.								
IDC	Error ellipse: s-maj=24.3km s-min=18.8km az=95.0.								
GCMT	Event type se. Data Used: IU II G IC. Moment Tensor Solution. s38,c54; s76,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}3.85±.22 $M_{\theta\theta}$-4.39±.16; $M_{\phi\phi}$0.54±.14; $M_{r\theta}$4.81±.53; $M_{\theta\phi}$3.11±.11; $M_{\phi r}$-2.86±.48; Best double couple: NP1:ϕ_s287.00000°,δ21.00000°,λ77.00000°. NP2:ϕ_s121.00000°,δ70.00000°,λ95.00000°. Principal axes: T 6.4300,Plg65.0000° ,Azm39.0000°; N 2.0000,Plg5.0000°,Azm299.0000°; P -8.4300,Plg24.0000°,Azm207.0000° $M_0$7.40000×10^{16}								
NEIC	Event type se. Error ellipse: s-maj=12.8km s-min=10.1km az=188.0.								
IDC	**XII**	**21 17 25 41.1–2.8**	**6.28S**	**154.85E**	**0**	**4.1s,4.1**			
									¶12078479
IDC		Error ellipse: s-maj=123.2km s-min=45.3km az=136.0.							
ISC	**XII**	**22 13 15 38.8–3.3**	**6.2S–.20**	**154.8E–.30**	**426–30**	**3.4b**	**25**	**8-153**	
ISCJB	XII	22 13 15 37.9–2.9	6.1S–.10	154.6E–.30	426–28	3.5b			**¶12078565**
IDC	XII	22 13 15 37.8–3.7	6.14S	154.73E	409–35	3.3,3.2b			
NEIC	XII	22 13 15 39.2–2.1	6.14S	154.69E	428–20	4.3b,3.2b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=43.2km s-min=16.4km az=21.4.								
IDC	Error ellipse: s-maj=40.0km s-min=15.1km az=110.0.								
NEIC	Event type se. Error ellipse: s-maj=30.1km s-min=11.8km az=111.0.								
ISC	**XII**	**23 05 30 56.6–1.6**	**10.2S–.10**	**161.4E–.10**	**88–14**	**3.4b**	**11**	**2-84**	
IDC	XII	23 05 30 55.9–1.1	10.22S	161.48E	83–8	3.8,3.6			**¶12078630**
ISCJB	XII	23 05 30 56.0–1.6	10.3S–.10	161.4E–.10	97–14	3.4b,3.6			
ISC	**XII**	**23 11 15 21.4–.13**	**6.39S–.02**	**154.93E–.02**	**52**	**5.7b,5.5s**	**475**	**6-171**	
BJI	XII	23 11 15 18.6	6.20S	155.39E	61	5.6b,5.4s			**¶11518360**
NEIC	XII	23 11 15 18.5–.12	6.37S	154.94E	32	5.9W,5.8b			
MOS	XII	23 11 15 18.5–1.6	6.40S	154.90E	33	5.8b,5.4s			
ISCJB	XII	23 11 15 19.5–.13	6.39S–.02	154.91E–.02	50	5.7b,5.5s			
IDC	XII	23 11 15 20.4–.43	6.35S	155.00E	47–3	5.4,5.4			
DJA	XII	23 11 15 22	6.43S	155.02E	68	6.0W,5.4			
GCMT	XII	23 11 15 25.3–.10	6.67S	154.80E	45–0	5.9W,5.4			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=5.1km s-min=4.4km az=113.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}4.99 $M_{\theta\theta}$-2.12 $M_{\phi\phi}$-2.88 $M_{r\theta}$0.73								

$M_{\theta\theta}$3.07 $M_{\theta r}$0.03 Best double couple: NP1:ϕ_s326.00000°,δ43.00000°,λ100.00000°. NP2: ϕ_s132.00000°,δ48.00000°,λ80.00000°. Principal axes: T 5.0800,Plg82.0000°,Azm337.0000° ; N 0.5200,Plg7.0000°,Azm137.0000°; P -5.6100,Plg2.0000°,Azm228.0000° M_o5.40000×10^{17}

MOS Error ellipse: s-maj=9.9km s-min=8.5km az=67.8.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=3.2km az=137.4.
IDC Error ellipse: s-maj=10.0km s-min=9.1km az=124.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=113, comp=231, per= 50. Moment Tensor Solution. s121,c236; s72,c86; Moment tensor: Scale 10^{17}Nm; M_{rr}8.04±.08 $M_{\theta\theta}$-4.12±.06; $M_{\phi\phi}$-3.92±.06; $M_{r\theta}$0.41±.06; $M_{\theta\phi}$4.98±.05; $M_{\phi r}$-0.76±.06; Best double couple: NP1:ϕ_s312.00000°,δ42.00000°,λ87.00000°. NP2:ϕ_s136.00000°,δ48.00000°,λ93.00000°. Principal axes: T 8.0900,Plg87.0000°,Azm81.0000°; N 0.9500,Plg2.0000°,Azm315.0000° ; P -9.0400,Plg3.0000°,Azm224.0000° M_o8.60000×10^{17}

ISC XII 26 08 33 15.2–6.5 11.1S–.10 162.2E–.10 14–40 3.7b 21 3-89
IDC XII 26 08 33 12.9–1.2 11.08S 162.11E 0 4.0,3.9 **¶12079026**
NEIC XII 26 08 33 14.9–1.0 11.06S 162.52E 35 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=21.9km az=137.0.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=14.8km az=198.0.
ISC XII 26 13 49 25.6–.40 7.29S–.08 155.88E–.06 42 4.3b 53 5-154
ISCJB XII 26 13 49 23.6–.40 7.23S–.07 155.95E–.05 40 4.3b **¶12079063**
IDC XII 26 13 49 24.9–.93 7.30S 155.93E 40–5 4.1,4.1
NEIC XII 26 13 49 27.6–.86 7.44S 156.06E 73–9 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.0km az=11.9.
IDC Error ellipse: s-maj=24.0km s-min=19.6km az=123.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.8km az=155.0.
ISC XII 26 14 08 31.3–2.4 6.47S–.06 155.18E–.06 20–18 4.5b,3.6s 79 6-160
ISCJB XII 26 14 08 31.2–.34 6.49S–.05 155.17E–.05 33 4.5b,3.6s **¶11527822**
IDC XII 26 14 08 31.5–4.0 6.51S 155.17E 22–26 4.4,4.3
NEIC XII 26 14 08 34.5–1.1 6.53S 155.19E 49–10 4.9b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=6.2km az=38.1.
IDC Error ellipse: s-maj=17.3km s-min=12.4km az=110.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=7.4km az=182.0.
ISC XII 26 21 46 19.3–2.6 10.3S–.20 161.3E–.20 110–20 3.7b 21 2-96
ISCJB XII 26 21 46 18.9–2.5 10.3S–.20 161.2E–.20 119–18 3.7b **¶12079104**
IDC XII 26 21 46 18.7–3.2 10.28S 161.31E 107–24 3.8,3.6b
NEIC XII 26 21 46 19.1–1.9 10.25S 161.27E 110–14 4.0b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=41.0km s-min=20.4km az=39.5.
IDC Error ellipse: s-maj=35.7km s-min=20.4km az=122.0.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=13.7km az=130.0.
IDC XII 27 20 30 42.3–5.1 7.20S 156.60E 0 3.8,3.6b
¶12079211
IDC Error ellipse: s-maj=130.1km s-min=37.2km az=106.0.
ISC XII 28 07 56 23.3–.73 9.97S–.06 160.3E–.10 35 4.0b,3.4s 31 1-96
IDC XII 28 07 56 18.0–.92 9.94S 160.37E 0 4.5,4.2b **¶11613300**
ISCJB XII 28 07 56 21.2–.70 10.03S–.05 160.38E–.10 33 4.0b,3.4s
NEIC XII 28 07 56 24.2–2.3 9.91S 160.31E 41–18 4.1b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=16.1km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=6.9km az=166.9.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=9.8km az=117.0.
IDC XII 28 09 45 20.2–1.6 7.15S 154.94E 0 4.0,3.9
¶12079263
IDC Error ellipse: s-maj=53.3km s-min=22.7km az=130.0.
ISC XII 30 02 56 09.4–.68 8.9S–.10 157.5E–.10 35 4.0b,3.8s 27 3-97
IDC XII 30 02 56 04.0–.85 8.82S 157.55E 0 4.3,4.2 **¶12079483**
ISCJB XII 30 02 56 08.2–.56 8.77S–.09 157.28E–.06 33 4.0b,3.8s
NEIC XII 30 02 56 09.1–.47 8.88S 157.53E 35 4.0b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=18.9km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.7km az=171.5.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.1km az=142.0.
ISC XII 30 17 43 51.4–.76 10.66S–.04 161.21E–.03 53–6 5.0b,4.8s 424 2-160
MOS XII 30 17 43 47.1–1.1 10.60S 161.17E 33 5.3b,4.8s **¶11524535**
GCMT XII 30 17 43 49.6–.10 10.69S 161.24E 26–0 5.4W,4.8s
IDC XII 30 17 43 49.5–2.1 10.58S 161.25E 39–17 4.8,4.8s
BJI XII 30 17 43 49.9 10.45S 161.54E 62 5.2b,5.1s
ISCJB XII 30 17 43 49.1–1.0 10.64S–.04 161.15E–.03 46–9 5.0b,4.8s
DJA XII 30 17 43 50 10.78S 161.45E 36 5.2b,4.8s
NEIC XII 30 17 43 51.2–1.0 10.62S 161.16E 58–9 5.2b,4.8s
ISC Event type se.
MOS Error ellipse: s-maj=9.0km s-min=8.0km az=82.5.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s89,c136; s82,c136; Moment tensor: Scale 10^{17}Nm; M_{rr}1.09±.03 $M_{\theta\theta}$-0.21±.02; $M_{\phi\phi}$-0.88±.02; $M_{r\theta}$0.02±.04; $M_{\theta\phi}$0.57±.02; $M_{\phi r}$-1.20±.04; Best double couple: NP1:ϕ_s311.00000°,δ26.00000°,λ54.00000°. NP2:ϕ_s170.00000°,δ69.00000°,λ106.00000°. Principal axes: T 1.6900,Plg63.0000° ,Azm106.0000°; N -0.0500,Plg15.0000°,Azm344.0000°; P -1.6400,Plg22.0000° ,Azm248.0000° M_o1.70000×10^{17}
IDC Error ellipse: s-maj=14.4km s-min=11.3km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.8km az=179.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=5.4km az=136.0.
ISC XII 30 17 49 06.5–3.4 10.5S–.10 161.3E–.20 50–26 3.8b 26 2-96
IDC XII 30 17 48 58.6–1.2 10.72S 161.39E 0 4.1,4.0 **¶12079572**
NEIC XII 30 17 49 04.9–4.1 10.60S 161.29E 41–31 4.2b,4.0
ISCJB XII 30 17 49 06.2–3.4 10.5S–.10 161.3E–.20 60–25 3.8b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 30 17 51 14.4–1.0 10.66S–.05 161.38E–.06 55–8 4.8s,4.7b 114 2-124
IDC XII 30 17 51 07.4–.60 10.59S 161.29E 0 4.6L,4.6 **¶11524536**
ISCJB XII 30 17 51 12.5–1.1 10.66S–.05 161.38E–.06 53–9 4.8s,4.7b
NEIC XII 30 17 51 15.0–1.1 10.62S 161.32E 61–10 4.8b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=15.0km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=7.6km az=168.2.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.4km az=106.0.
IDC XII 30 18 18 39.6–2.2 10.69S 161.71E 0 4.0L,3.9
¶12079574
IDC Error ellipse: s-maj=47.4km s-min=40.2km az=59.0.
ISC XII 30 18 26 21.3–1.3 6.61S–.10 154.90E–.05 90–13 4.4b 73 6-153
ISCJB XII 30 18 26 19.2–1.6 6.58S–.10 154.87E–.05 84–16 4.4b **¶12079576**
IDC XII 30 18 26 20.5–2.7 6.49S 154.85E 80–28 4.2,4.1
NEIC XII 30 18 26 20.2–1.3 6.54S 154.89E 80–12 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=8.0km az=2.7.
IDC Error ellipse: s-maj=27.7km s-min=13.5km az=178.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.2km az=189.0.
ISC XII 30 19 03 39.6–6.6 10.7S–.10 161.7E–.20 10–41 3.6b 16 2-91
IDC XII 30 19 03 40.0–5.9 10.52S 161.34E 0 3.9L,3.9 **¶12079581**
NEIC XII 30 19 03 47.0–8.0 10.62S 161.28E 50–41 3.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=165.7km s-min=30.6km az=121.0.
NEIC Event type se. Error ellipse: s-maj=101.7km s-min=13.9km az=107.0.
ISC XII 30 23 02 04.5–5.9 10.69S–.09 161.5E–.10 24–40 3.7b 25 2-97
IDC XII 30 23 02 00.7–1.4 10.65S 161.52E 0 4.0,3.9 **¶12079611**
ISCJB XII 30 23 02 04.6–3.3 10.75S–.09 161.5E–.20 38–25 3.7b,3.9
NEIC XII 30 23 02 06.0–.72 10.68S 161.50E 35 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=25.5km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=27.7km s-min=14.3km az=6.7.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.7km az=121.0.
ISC XII 31 09 57 42.7–1.4 6.3S–.10 155.06E–.09 240–16 3.7b 41 6-96
ISCJB XII 31 09 57 41.7–1.4 6.3S–.10 155.03E–.10 244–16 3.7b **¶12079647**
IDC XII 31 09 57 42.9–2.3 6.34S 155.12E 246–25 3.6,3.6
NEIC XII 31 09 57 42.6–1.2 6.28S 155.06E 239–14 4.3b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=12.4km az=145.4.
IDC Error ellipse: s-maj=21.9km s-min=13.4km az=122.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.0km az=144.0.

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IDC VII 11 11 09 42.0–3.3 9.83S 154.59E 0 3.7,3.7
¶12698136
IDC Error ellipse: s-maj=96.1km s-min=29.8km az=108.0.
IDC VIII 18 23 14 10.1–2.2 8.03S 151.83E 0 3.8,3.6
¶12581184
IDC Error ellipse: s-maj=101.6km s-min=27.9km az=126.0.
ISC IX 23 18 37 32.2–6.1 10.19S–.09 152.1E–.20 27–41 4.0b,3.5s 14 5-151
IDC IX 23 18 37 27.2–1.6 10.11S 152.32E 0 4.1,4.0b **¶11910895**
ISCJB IX 23 18 37 31.6–1.1 10.2S–.10 152.0E–.10 33 4.0b,3.5s
NEIC IX 23 18 37 32.0–.92 10.12S 152.14E 30 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=60.2km s-min=25.1km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=15.2km az=15.5.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=13.7km az=106.0.
IDC X 04 02 08 24.0–1.1 9.80S 155.98E 0 4.0,3.9b
¶12065869
IDC Error ellipse: s-maj=44.6km s-min=21.1km az=114.0.
IDC X 05 02 30 36.4–2.3 10.11S 152.49E 0 3.9,3.7
¶12065962
IDC Error ellipse: s-maj=84.2km s-min=25.6km az=129.0.
ISC X 06 11 30 31.9–1.6 10.2S–.20 152.3E–.30 35 3.6b 12 11-151
IDC X 06 11 30 26.4–2.4 10.10S 152.43E 0 3.9,3.7 **¶12066142**
ISCJB X 06 11 30 29.5–1.6 10.3S–.20 152.4E–.30 33 3.6b,3.7
NEIC X 06 11 30 31.3–.72 10.22S 152.44E 35 3.6b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=90.6km s-min=26.7km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=48.2km s-min=16.8km az=30.7.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=12.6km az=129.0.
ISC X 06 11 53 40.3–1.2 10.2S–.10 152.3E–.20 35 3.7b 20 11-151
IDC X 06 11 53 34.2–1.5 10.15S 152.55E 0 4.2L,3.9 **¶12066146**
ISCJB X 06 11 53 38.4–1.2 10.2S–.10 152.3E–.20 33 3.7b,3.9
NEIC X 06 11 53 39.5–.87 10.16S 152.48E 35 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=50.3km s-min=18.8km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=36.6km s-min=12.6km az=22.6.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=10.3km az=116.0.
ISC X 08 12 39 42.5–7.9 10.1S–.10 152.1E–.20 27–54 3.8b,3.7s 26 5-151
IDC X 08 12 39 38.1–1.1 10.03S 152.20E 0 4.0,3.9 **¶12066334**
ISCJB X 08 12 39 40.0–7.8 10.1S–.10 152.1E–.20 19–53 3.8b,3.7s
NEIC X 08 12 39 43.4–.83 10.11S 152.14E 35 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=19.3km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=33.0km s-min=20.9km az=172.1.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=12.0km az=116.0.
ISC X 09 00 10 34.0–1.1 10.4S–.10 152.7E–.20 35 3.8b,3.2s 22 6-152
IDC X 09 00 10 29.9–1.7 10.19S 152.50E 0 4.1,3.9 **¶12066387**
NEIC X 09 00 10 33.5–.88 10.49S 152.83E 35 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=51.2km s-min=23.2km az=119.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=12.3km az=122.0.
ISC X 09 11 33 06.0–1.2 10.23S–.08 152.19E–.08 42–12 4.1b,3.8s 38 5-151
IDC X 09 11 33 00.3–.91 10.20S 152.15E 0 4.2,4.1 **¶12066417**
ISCJB X 09 11 33 03.2–1.5 10.28S–.07 152.24E–.08 33–14 4.1b,3.8s
NEIC X 09 11 33 05.2–.50 10.27S 152.25E 35 4.8b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=16.5km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=9.6km az=39.2.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.1km az=140.0.
IDC X 10 09 26 12.1–1.9 9.50S 151.98E 0 3.8,3.7
¶12066493
IDC Error ellipse: s-maj=68.8km s-min=23.1km az=124.0.
ISC X 11 07 51 00.3–4.4 10.13S–.08 152.2E–.10 13–27 4.2b,4.0s 32 5-151
IDC X 11 07 50 57.9–1.1 10.14S 152.29E 0 4.3,4.2 **¶12066570**
ISCJB X 11 07 50 59.8–4.4 10.17S–.08 152.1E–.10 19–30 4.2b,4.0s
NEIC X 11 07 51 03.1–.68 10.23S 152.34E 35 4.3b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=19.9km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=12.6km az=17.6.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.9km az=115.0.
ISC X 11 13 08 43.7–3.4 10.30S–.09 152.31E–.08 27–26 4.2b,3.9s 30 5-151
IDC X 11 13 08 38.9–1.2 10.27S 152.53E 0 4.3,4.2 **¶12066589**
NEIC X 11 13 08 43.5–2.9 10.24S 152.36E 27–22 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=18.9km az=113.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.2km az=152.0.
IDC X 11 19 29 13.3–3.0 9.17S 155.55E 0 3.9,3.8L
¶12066605
IDC Error ellipse: s-maj=191.7km s-min=28.3km az=133.0.
IDC X 12 12 19 19.2–1.6 10.27S 152.42E 0 4.1,3.9
¶12068463
IDC Error ellipse: s-maj=60.9km s-min=23.8km az=127.0.
ISC X 13 05 53 50.7–1.4 10.2S–.10 151.8E–.20 35 3.6b,3.3s 13 11-151
IDC X 13 05 53 44.3–1.6 10.05S 151.98E 0 4.0,3.8 **¶12068530**
ISCJB X 13 05 53 49.3–1.4 10.3S–.20 151.8E–.30 33 3.6b,3.3s
NEIC X 13 05 53 50.7–1.5 10.34S 152.04E 35 4.0b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=71.2km s-min=26.9km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=42.5km s-min=13.5km az=26.0.
NEIC Event type se. Error ellipse: s-maj=48.1km s-min=20.8km az=125.0.
ISC X 15 09 38 40.9–1.2 10.3S–.10 152.4E–.10 35 3.8b,3.5s 15 5-151
IDC X 15 09 38 35.2–1.7 10.21S 152.58E 0 4.3L,4.1 **¶12068670**
NEIC X 15 09 38 36.2–1.5 10.19S 152.64E 10 4.4b,4.1
ISCJB X 15 09 38 39.3–1.2 10.3S–.10 152.4E–.10 33 3.8b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 15 13 29 14.2–1.8 9.76S 152.07E 0 3.9,3.6
¶12068684
IDC Error ellipse: s-maj=80.3km s-min=28.2km az=126.0.
ISC X 21 22 03 26.6–.46 9.00S–.07 153.16E–.07 35 3.8b,3.4s 33 7-152
IDC X 21 22 03 20.7–1.6 9.27S 153.49E 0 4.0,3.9 **¶12070756**
ISCJB X 21 22 03 24.3–.47 8.98S–.07 153.15E–.07 33 3.8b,3.4s
NEIC X 21 22 03 26.4–.37 8.97S 153.16E 35 3.9b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=21.7km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=10.4km az=151.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=8.4km az=161.0.
IDC X 23 22 12 03.0–2.5 9.98S 151.24E 0 3.6,3.5
¶12070939
IDC Error ellipse: s-maj=85.1km s-min=27.4km az=105.0.
IDC XI 15 22 57 56.1–21 8.63S 154.19E 0 3.8,3.6b
¶12073676
IDC Error ellipse: s-maj=338.8km s-min=88.4km az=34.0.
ISC XI 21 06 48 13.2–.83 9.88S–.09 151.16E–.08 10 3.8b,3.2s 27 4-150
ISCJB XI 21 06 48 11.7–.83 9.89S–.09 151.14E–.08 10 3.8b,3.2s **¶12074376**
IDC XI 21 06 48 11.5–1.1 9.86S 151.17E 0 4.0,3.9
NEIC XI 21 06 48 13.1–.81 9.84S 151.13E 10 3.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=11.4km az=13.3.
IDC Error ellipse: s-maj=25.5km s-min=19.0km az=151.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=12.1km az=111.0.
IDC XI 21 08 54 17.7–1.5 9.85S 151.23E 0 4.0,3.9
¶12074383
IDC Error ellipse: s-maj=43.2km s-min=22.8km az=120.0.
IDC XII 05 13 07 03.9–27 8.66S 154.59E 0 3.7,3.5
¶12075888
IDC Error ellipse: s-maj=439.0km s-min=91.6km az=30.0.
IDC XII 07 10 21 43.9–3.7 10.12S 153.30E 0 3.8,3.6

¶12076156
IDC Error ellipse: s-maj=86.2km s-min=33.2km az=118.0.
ISC XII 13 19 04 31.0–3.4 8.1S–.20 154.9E–.20 77–29 4.0b 23 8-153
NEIC XII 13 19 04 28.8–3.1 8.09S 155.07E 61–26 4.4b ¶12077326
ISCJB XII 13 19 04 30.0–4.0 8.1S–.20 154.8E–.20 80–34 4.0b
IDC XII 13 19 04 31.1–5.8 7.48S 154.72E 50–57 3.9,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=23.1km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=35.7km s-min=24.3km az=158.9.
IDC Error ellipse: s-maj=83.5km s-min=38.0km az=171.0.
ISC XII 14 15 59 54.2–.97 9.75S–.05 151.63E–.05 37–9 4.8b,4.0s 163 4-157
IDC XII 14 15 59 48.8–.75 9.67S 151.60E 0 4.5b,4.5 ¶12077469
ISCJB XII 14 15 59 50.0–1.6 9.70S–.05 151.62E–.05 20–11 4.8b,4.0s
MOS XII 14 15 59 51.8–.83 9.71S 151.58E 33 5.0b,4.0s
BJI XII 14 15 59 52.7 9.75S 151.59E 41 5.0b,4.9s
NEIC XII 14 15 59 53.6–2.0 9.67S 151.58E 33–14 5.0b,4.9s
DJA XII 14 16 00 01 9.81S 151.42E 87 4.8b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=14.2km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=8.3km az=146.9.
MOS Error ellipse: s-maj=9.7km s-min=8.3km az=73.3.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.9km az=161.0.
IDC XII 16 08 35 52.5–1.3 10.26S 152.60E 0 3.8,3.7
¶12077729
IDC Error ellipse: s-maj=31.7km s-min=23.5km az=145.0.
IDC XII 16 18 42 20.8–2.9 9.78S 152.68E 0 3.4,3.3
¶12077790
IDC Error ellipse: s-maj=58.7km s-min=38.0km az=131.0.
ISC XII 24 14 57 44.4–1.5 8.1S–.10 154.53E–.07 86–17 3.8b 34 6-153
IDC XII 24 14 57 33.0–.97 8.06S 154.69E 0 4.2,4.1 ¶12078825
NEIC XII 24 14 57 40.1–1.7 8.07S 154.81E 54–18 4.1b,4.1
ISCJB XII 24 14 57 42.1–1.9 8.0S–.10 154.54E–.07 78–20 3.8b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

SEISMIC REGION 16.
New Guinea.

(196) Irian Jaya region.

DJA VII 04 22 07 20 1.46S 140.56E 18 3.8
¶12921768
IDC VII 09 07 07 01.4–2.5 2.83S 136.09E 0 3.9,3.7b
¶12698094
IDC Error ellipse: s-maj=114.1km s-min=27.4km az=81.0.
IDC VII 21 20 12 32.8–8.7 2.50S 135.70E 0 3.9,3.8b
¶12698372
IDC Error ellipse: s-maj=489.0km s-min=31.4km az=81.0.
ISC VII 22 00 27 46.7–.45 0.65N–.06 130.31E–.10 35 4.1b 29 8-91
IDC VII 22 00 27 42.0–1.6 0.66N 130.34E 0 4.5s,4.5 ¶11812323
NEIC VII 22 00 27 43.1–.26 0.67N 130.31E 10 4.3b,4.5
ISCJB VII 22 00 27 44.6–.45 0.66N–.06 130.3E–.10 33 4.1b,4.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 25 07 37 44.2–2.4 3.85S 131.56E 0 4.0,3.9b
¶12698428
IDC Error ellipse: s-maj=243.3km s-min=24.0km az=71.0.
ISC VIII 03 00 15 28.3–.61 4.88S–.04 133.87E–.05 36–6 4.5b,4.3s 80 1-150
IDC VIII 03 00 15 23.3–.64 4.82S 133.58E 0 4.6L,4.4 ¶11154118
ISCJB VIII 03 00 15 25.8–.76 4.93S–.04 133.85E–.05 33–7 4.5b,4.3s
BJI VIII 03 00 15 25.3 4.58S 134.13E 25 4.9b,4.7b
NEIC VIII 03 00 15 27.9–.47 4.92S 133.81E 35 4.6b,4.7b
DJA VIII 03 00 15 29 4.88S 133.84E 30 4.9b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=14.8km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.8km az=157.8.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.5km az=63.0.
ISC VIII 03 10 08 19.4–.77 4.97S–.04 134.06E–.04 37–7 4.5b,4.0s 84 1-150
IDC VIII 03 10 08 13.5–.79 4.80S 133.78E 0 4.5,4.4L ¶11154128
BJI VIII 03 10 08 14.0 5.39S 134.21E 30 4.9b,4.7b
ISCJB VIII 03 10 08 16.8–.79 5.01S–.04 134.14E–.04 38–7 4.5b,4.0s
DJA VIII 03 10 08 18 4.80S 134.01E 59 5.1b,4.0s
NEIC VIII 03 10 08 20.2–2.6 4.89S 133.78E 43–25 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=16.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=152.9.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=10.6km az=56.0.
ISC VIII 03 18 55 31.0–.60 3.48S–.04 131.07E–.04 47–5 4.8b,3.7s 139 2-153
BJI VIII 03 18 55 20.6 3.88S 131.36E 15 5.0b,4.6b ¶11652786
IDC VIII 03 18 55 24.6–.54 3.48S 131.02E 0 4.6,4.5b
ISCJB VIII 03 18 55 29.6–.69 3.46S–.04 131.05E–.04 51–6 4.8b,3.7s
NEIC VIII 03 18 55 29.4–.25 3.54S 131.08E 35 4.7b,3.7s
DJA VIII 03 18 55 29 3.47S 131.11E 30 4.9b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=12.9km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.9km az=135.2.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.5km az=64.0.
ISC VIII 06 04 17 05.0–1.3 4.93S–.07 133.80E–.09 44–15 3.8b,3.8s 28 1-90
IDC VIII 06 04 16 59.4–1.1 4.81S 133.63E 0 4.4L,4.1 ¶11907815
ISCJB VIII 06 04 17 03.5–1.5 5.01S–.06 133.74E–.09 48–15 3.8b,3.8s
DJA VIII 06 04 17 05 4.80S 133.74E 75 4.9b,3.8s
NEIC VIII 06 04 17 08.1–4.9 5.08S 133.43E 70–50 4.2b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=51.2km s-min=23.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=6.9km az=152.7.
NEIC Event type se. Error ellipse: s-maj=41.1km s-min=18.9km az=216.0.
ISC VIII 10 16 54 06.8–2.9 4.6S–.10 134.0E–.10 64–30 3.9b 27 8-95
IDC VIII 10 16 53 58.6–1.1 4.31S 134.15E 0 4.1,4.1L ¶11908047
NEIC VIII 10 16 54 03.8–.63 4.40S 134.20E 35 4.5b,4.1L
ISCJB VIII 10 16 54 05.6–3.1 4.62S–.10 133.9E–.10 68–31 3.8b,4.1L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 10 20 05 46.2–3.2 0.49S 132.50E 0 4.0,3.9b
¶12581015
IDC Error ellipse: s-maj=219.0km s-min=28.4km az=71.0.
ISC VIII 11 05 24 43.7–1.0 0.35S–.06 132.95E–.06 46–9 4.6b,3.9s 75 3-153
IDC VIII 11 05 24 37.7–.59 0.33S 132.81E 0 4.5,4.4b ¶11163348
BJI VIII 11 05 24 40.8 0.26S 133.14E 45 5.0b,4.7b
ISCJB VIII 11 05 24 41.8–1.1 0.34S–.05 132.94E–.06 47–10 4.6b,3.9s
DJA VIII 11 05 24 43 0.36S 132.99E 36 4.9b,3.9s
NEIC VIII 11 05 24 44.1–2.2 0.37S 132.90E 48–19 4.5b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=13.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.7km az=138.8.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=8.7km az=59.0.
IDC VIII 11 05 30 57.5–7.0 0.67S 132.58E 191–75 3.5,3.3b
¶12581020
IDC Error ellipse: s-maj=53.3km s-min=18.2km az=92.0.
ISC VIII 11 19 07 55.9–.79 0.54S–.06 132.98E–.05 78–10 3.9b 41 3-86
IDC VIII 11 19 07 47.2–.78 0.28S 133.01E 0 4.2L,4.1 ¶11163370
NEIC VIII 11 19 07 49.5–11 0.29S 133.04E 16–71 4.5b,4.1
ISCJB VIII 11 19 07 54.9–.83 0.57S–.05 132.97E–.05 88–10 3.9b,4.1
DJA VIII 11 19 07 54 0.39S 133.04E 30 5.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=15.0km az=75.0.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=14.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=7.9km az=168.7.
IDC VIII 12 19 45 53.4–4.9 4.91S 133.97E 0 3.5b,3.4
¶12581040
IDC Error ellipse: s-maj=316.1km s-min=34.1km az=80.0.
IDC VIII 13 06 21 21.9–1.4 3.30S 135.86E 0 3.9,3.7
¶12581045
IDC Error ellipse: s-maj=53.8km s-min=26.8km az=87.0.
ISC VIII 14 06 33 35.5–.92 4.46S–.05 136.89E–.08 41–10 4.7b,3.2s 53 3-148
IDC VIII 14 06 33 30.0–.72 4.16S 136.99E 0 4.6L,4.4 ¶11908198
NEIC VIII 14 06 33 31.6–.40 4.28S 136.80E 10 4.4b,4.4
ISCJB VIII 14 06 33 32.9–.99 4.43S–.04 136.87E–.08 33–10 4.7b,3.2s
DJA VIII 14 06 33 36 4.30S 136.94E 73 5.2b,3.2s
ISC Event type fe.
IDC Error ellipse: s-maj=42.8km s-min=16.5km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=7.6km az=66.0. Felt [III] at Timuka.
ISCJB Event type fe. Error ellipse: s-maj=13.4km s-min=6.0km az=170.3.
IDC VIII 18 00 18 15.9–3.9 0.47N 132.47E 0 3.6,3.5b
¶12581164
IDC Error ellipse: s-maj=286.0km s-min=27.2km az=76.0.
ISC VIII 19 04 34 25.7–.27 3.53S–.03 135.60E–.04 41 4.8b,4.1s 165 2-150
MOS VIII 19 04 34 22.7–.71 3.48S 135.54E 33 4.9b,4.1s ¶11169860
ISCJB VIII 19 04 34 23.5–.27 3.55S–.03 135.58E–.04 39 4.8b,4.1s
BJI VIII 19 04 34 23.8 3.94S 135.25E 51 5.2b,4.9b
NEIC VIII 19 04 34 23.9–3.0 3.48S 135.49E 26–22 4.8b,4.9b
DJA VIII 19 04 34 25 3.49S 135.54E 22 5.3b,4.9b
IDC VIII 19 04 34 25.2–.46 3.46S 135.43E 35–3 4.9L,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=16.2km s-min=8.2km az=117.9.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.6km az=169.1.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=7.8km az=52.0. Felt [V] at Nabire and [III] at Enarotali.
IDC Error ellipse: s-maj=19.6km s-min=11.6km az=69.0.
ISC VIII 19 21 34 59.0–.57 3.39S–.06 135.34E–.10 35 3.9b 24 10-87
IDC VIII 19 21 34 54.6–2.0 3.38S 135.32E 0 4.3L,4.1 ¶11908460
ISCJB VIII 19 21 34 57.0–.57 3.46S–.06 135.32E–.09 33 3.9b,4.1
NEIC VIII 19 21 34 59.1–.44 3.40S 135.29E 35 4.0b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=66.2km s-min=28.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=7.5km az=14.6.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.2km az=84.0.
IDC VIII 22 01 50 38.3–2.5 2.48S 133.41E 0 3.9,3.7
¶12581279
IDC Error ellipse: s-maj=95.0km s-min=27.3km az=80.0.
IDC VIII 22 06 04 32.0–3.2 2.81S 136.06E 0 3.9,3.7
¶12581285
IDC Error ellipse: s-maj=109.6km s-min=29.5km az=85.0.
IDC VIII 23 21 44 59.1–3.3 3.02S 135.82E 0 3.8L,3.8
¶12581327
IDC Error ellipse: s-maj=161.6km s-min=27.0km az=81.0.
ISC VIII 24 23 51 02.9–.53 4.52S–.06 132.6E–.10 35 4.1b 17 15-90
IDC VIII 24 23 50 58.2–2.0 4.46S 132.52E 0 4.1,4.0L ¶11908721
ISCJB VIII 24 23 51 00.7–.53 4.52S–.07 132.6E–.10 33 4.1b,4.0L
NEIC VIII 24 23 51 02.8–.36 4.51S 132.59E 35 4.3b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=178.8km s-min=21.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=9.2km az=170.8.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.4km az=82.0.
IDC IX 02 20 59 05.4–5.2 4.74S 132.65E 0 4.2,4.2s
¶11909313
IDC Error ellipse: s-maj=330.6km s-min=31.4km az=75.0.
ISC IX 03 22 09 19.1–2.2 1.97S–.08 133.0E–.10 37–22 3.7b 22 18-70
IDC IX 03 22 09 13.6–1.6 1.87S 133.14E 0 4.1,4.0 ¶11909409
ISCJB IX 03 22 09 19.5–2.8 2.05S–.06 133.00E–.10 62–27 3.7b,4.0
NEIC IX 03 22 09 19.8–1.8 1.95S 133.04E 44–18 3.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=58.6km s-min=22.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=9.9km az=170.9.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.3km az=65.0.
ISC IX 13 07 18 02.2–2.8 3.7S–.10 135.6E–.10 50–29 4.3b 15 9-150
IDC IX 13 07 17 55.6–.92 3.43S 135.46E 0 4.3,4.2 ¶11910161
ISCJB IX 13 07 17 57.6–3.9 3.71S–.08 135.6E–.10 25–28 4.3b,4.2
NEIC IX 13 07 18 00.6–.80 3.51S 135.54E 35 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=47.7km s-min=22.7km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=13.0km az=17.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=13.9km az=75.0.
IDC IX 13 09 35 52.6–4.1 1.82S 140.02E 0 3.8s,3.8
¶11910172
IDC Error ellipse: s-maj=171.6km s-min=24.7km az=88.0.
ISC IX 13 15 48 59.0–1.9 4.33S–.04 135.79E–.04 5–12 4.5b,4.0s 160 3-153
BJI IX 13 15 48 55.4 4.50S 136.01E 7 5.0s,4.9b ¶11277510
IDC IX 13 15 48 57.7–.52 4.37S 135.69E 0 4.9L,4.5
ISCJB IX 13 15 48 58.9–1.7 4.43S–.04 135.78E–.04 20–12 4.5b,3.9s
NEIC IX 13 15 48 59.4–.25 4.32S 135.73E 10 4.7b,3.9s
MOS IX 13 15 49 01.1–1.1 4.32S 135.75E 33 4.8b,3.9s
DJA IX 13 15 49 02 4.40S 135.69E 9 4.9b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=12.3km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=6.0km az=169.6.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.4km az=70.0.
MOS Error ellipse: s-maj=13.7km s-min=7.0km az=117.7.
ISC IX 18 19 09 01.5–.98 1.70S–.06 134.64E–.07 75–11 4.0b 36 2-151
IDC IX 18 19 08 52.2–.84 1.55S 134.59E 0 4.2,4.1 ¶11910575
BJI IX 18 19 08 57.2 1.49S 134.80E 50 5.0b,4.7b
DJA IX 18 19 08 59 1.62S 134.44E 20 4.4b,4.7b
NEIC IX 18 19 08 59.0–5.4 1.64S 134.51E 49–49 4.2b,4.7b
ISCJB IX 18 19 09 01.5–.81 1.73S–.05 134.68E–.06 97–9 4.0b,4.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 30 05 12 14.1–.93 1.21S–.06 134.39E–.06 35–9 4.3b,3.7s 55 2-152
ISCJB IX 30 05 12 12.3–1.1 1.21S–.06 134.32E–.05 35–11 4.3b,3.7s ¶11911438
IDC IX 30 05 12 13.1–.62 1.22S 134.29E 28–4 4.6L,4.2
DJA IX 30 05 12 14 1.33S 134.29E 15 4.9b,4.2
NEIC IX 30 05 12 14.6–.44 1.16S 134.26E 35 4.5b,4.2
BJI IX 30 05 12 16.5 1.20S 134.30E 35 4.3b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=8.2km az=31.4.
IDC Error ellipse: s-maj=30.7km s-min=11.7km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=15.5km s-min=7.6km az=64.0. Felt [III] at Manokwari.
IDC IX 30 07 46 01.7–2.2 3.51S 135.86E 0 4.2,4.1L
¶11911441
IDC Error ellipse: s-maj=86.4km s-min=27.6km az=79.0.
ISC IX 30 23 33 44.4–.47 0.29S–.06 132.8E–.10 35 4.2b 30 19-69
ISCJB IX 30 23 33 42.1–.47 0.26S–.06 132.8E–.10 33 4.2b ¶11911500
IDC IX 30 23 33 44.0–2.6 0.73S 131.46E 0 3.6,3.5L
NEIC IX 30 23 33 44.4–.32 0.26S 132.74E 35 4.5b,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=8.2km az=167.0.
IDC Error ellipse: s-maj=130.9km s-min=24.5km az=76.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=5.5km az=78.0.
IDC X 06 16 06 26.6–1.4 0.69N 132.78E 0 4.2,3.9
¶12066163
IDC Error ellipse: s-maj=73.2km s-min=25.4km az=83.0.
ISC X 13 02 05 57.9–1.8 3.48S–.08 131.28E–.09 40–19 4.1b 43 9-129
IDC X 13 02 05 53.4–.94 3.22S 131.34E 0 4.3,4.2 ¶12068512
ISCJB X 13 02 05 57.8–2.0 3.59S–.06 131.17E–.09 57–19 4.0b,4.2
NEIC X 13 02 05 58.2–.61 3.40S 131.16E 35 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=18.7km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=6.8km az=153.1.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=8.9km az=72.0.
IDC X 20 21 30 18.5–5.8 3.60S 134.34E 0 4.1,3.9
¶12069165

IDC Error ellipse: s-maj=292.0km s-min=15.8km az=82.0.
IDC X 23 16 13 26.5–2.7 0.62S 133.21E 0 3.4,3.3b
¶12070912

IDC Error ellipse: s-maj=108.5km s-min=27.1km az=78.0.
IDC X 24 13 08 35.6–10 5.22S 136.81E 0 4.0b,3.5
¶12070989

IDC Error ellipse: s-maj=249.0km s-min=90.8km az=119.0.
ISC X 25 00 31 57.3–.58 0.14S–.04 134.94E–.03 41–6 4.7b,3.9s 115 2-152
IDC X 25 00 31 51.6–.57 0.01N 134.89E 0 5.0L,4.7 **¶11362611**
ISCJB X 25 00 31 55.0–.73 0.12S–.04 134.92E–.03 36–7 4.7b,3.9s
NEIC X 25 00 31 54.3–3.8 0.08S 134.89E 19–24 4.8b,3.9s
BJI X 25 00 31 54.5 0.04S 135.15E 38 5.1b,4.9b
DJA X 25 00 31 58.6–.50 0S–6.0 135E–3.0 42–10 5.6b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 25 01 35 15.9–.85 1.68S–.09 136.0E–.20 35 4.0b 26 12-77
IDC X 25 01 35 08.9–1.9 1.52S 136.65E 0 4.1L,4.0 **¶12071046**
ISCJB X 25 01 35 13.8–.84 1.70S–.09 136.0E–.20 33 4.0b,4.0
NEIC X 25 01 35 16.5–.79 1.72S 135.76E 35 3.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=83.8km s-min=20.4km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=27.4km s-min=11.6km az=169.3.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=10.8km az=77.0.
IDC XI 01 17 17 29.6–2.8 3.09S 135.62E 0 4.0,3.8b
¶12071879

IDC Error ellipse: s-maj=107.4km s-min=31.0km az=79.0.
IDC XI 04 21 11 44.3–3.3 4.82S 134.06E 0 3.9,3.7
¶12072296

IDC Error ellipse: s-maj=130.6km s-min=31.6km az=82.0.
ISC XI 11 20 34 36.9–.72 0.62S–.06 135.96E–.05 48–7 4.1b,3.4s 56 1-151
IDC XI 11 20 34 31.3–.63 0.59S 135.72E 0 4.5L,4.4 **¶12073223**
ISCJB XI 11 20 34 35.4–.76 0.61S–.06 135.92E–.05 52–7 4.1b,3.4s
NEIC XI 11 20 34 37.0–1.6 0.64S 135.65E 42–15 4.3b,3.4s
DJA XI 11 20 34 36 0.59S 136.02E 25 4.8b,3.4s
ISC Event type fe.
IDC Error ellipse: s-maj=31.2km s-min=14.1km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=11.0km s-min=6.9km az=33.2.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=7.4km az=65.0. Felt [III] at Biak.
ISC XI 15 22 32 14.7–1.3 4.09S–.07 135.9E–.20 150 3.5b 20 16-88
NEIC XI 15 22 32 06.0–.92 3.69S 136.80E 100 3.8b **¶12073675**
IDC XI 15 22 32 16.3–4.7 4.00S 136.55E 198–43 3.4,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=10.6km az=85.0.
IDC Error ellipse: s-maj=37.5km s-min=13.0km az=86.0.
ISC XI 16 10 39 18.4–1.4 0.17S–.09 133.04E–.07 42–15 3.8b 16 3-86
IDC XI 16 10 39 11.3–1.9 0.18S 132.44E 0 4.0,3.9b **¶12073734**
ISCJB XI 16 10 39 17.0–1.5 0.22S–.09 133.00E–.06 41–16 3.8b,3.9b
DJA XI 16 10 39 17 0.24S 133.04E 137 4.5,3.9b
IDC Error ellipse: s-maj=68.5km s-min=26.6km az=96.0.
ISCJB Error ellipse: s-maj=15.0km s-min=10.6km az=167.8.
ISC XI 16 10 40 19.5–.70 0.42S–.08 132.9E–.20 35 3.7b,3.4s 21 19-86
IDC XI 16 10 40 14.3–.89 0.30S 133.09E 0 4.2L,4.0 **¶12073735**
ISCJB XI 16 10 40 17.6–.70 0.40S–.09 132.9E–.20 33 3.7b,3.4s
NEIC XI 16 10 40 19.6–.53 0.35S 132.98E 35 3.9b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=15.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=10.8km az=165.8.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=8.3km az=75.0.
IDC XI 19 14 15 19.2–3.1 4.52S 133.72E 0 3.6b,3.5
¶12074148

IDC Error ellipse: s-maj=131.6km s-min=29.1km az=81.0.
IDC XI 23 17 15 56.6–7.6 1.89S 136.94E 0 3.8,3.7
¶12074603

IDC Error ellipse: s-maj=109.3km s-min=70.9km az=179.0.
IDC XI 24 04 06 13.4–1.3 0.52S 133.44E 0 4.0,3.9L
¶12074642

IDC Error ellipse: s-maj=62.4km s-min=21.6km az=85.0.
ISC XI 24 05 23 55.7–.82 0.57S–.06 133.38E–.05 40–9 4.1b,3.8s 59 2-153
IDC XI 24 05 23 50.0–.54 0.57S 133.26E 0 4.3,4.2 **¶11473327**
DJA XI 24 05 23 52.0–.60 1S–7.0 133E–3.0 10–0 5.4b,5.1b
ISCJB XI 24 05 23 54.6–.81 0.62S–.04 133.36E–.05 50–8 4.1b,3.8s
NEIC XI 24 05 23 55.2–.31 0.53S 133.46E 35 4.2b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=10.9km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.6km az=160.2.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.7km az=79.0.
ISC XI 24 05 29 58.8–1.2 0.58S–.08 133.36E–.07 42–12 3.9b 39 2-86
IDC XI 24 05 29 52.8–.81 0.46S 133.51E 0 4.2,4.0 **¶12074647**
DJA XI 24 05 29 54 0.42S 133.34E 10 4.7,4.0
ISCJB XI 24 05 29 58.1–1.0 0.63S–.05 133.30E–.07 52–10 3.9b,4.0
NEIC XI 24 05 29 58.0–.52 0.53S 133.43E 35 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=12.3km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=8.4km az=159.7.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=7.9km az=80.0.
ISC XI 24 05 38 46.9–1.1 0.60S–.07 133.38E–.06 42–11 4.1b,3.5s 43 2-153
IDC XI 24 05 38 41.0–.67 0.60S 133.14E 0 4.3,4.3L **¶11473329**
ISCJB XI 24 05 38 46.0–.99 0.66S–.05 133.35E–.06 53–9 4.1b,3.5s
DJA XI 24 05 38 46.2–.80 0S–10 133E–4.0 65–23 5.5b,5.5b
NEIC XI 24 05 38 46.4–.37 0.59S 133.19E 35 4.1b,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=12.3km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.4km az=158.6.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=6.6km az=84.0.
ISC XI 24 06 48 36.8–1.8 1.09S–.06 133.3E–.20 88–17 3.6b 26 12-87
IDC XI 24 06 48 25.5–1.0 0.91S 133.65E 0 3.9s,3.9 **¶12074656**
NEIC XI 24 06 48 31.1–.73 0.85S 133.63E 35 3.6b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=59.5km s-min=17.2km az=81.0.
NEIC Event type se. Error ellipse: s-maj=40.6km s-min=9.5km az=84.0.
ISC XI 24 08 45 00.2–.92 0.58S–.09 133.3E–.30 35 3.8b 20 12-153
IDC XI 24 08 44 54.5–1.3 0.45S 133.47E 0 4.0L,4.0 **¶12074665**
NEIC XI 24 08 44 59.9–.74 0.51S 133.41E 35 3.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=21.9km az=85.0.
NEIC Event type se. Error ellipse: s-maj=36.9km s-min=11.3km az=85.0.
IDC XI 24 21 23 04.3–2.5 0.95S 133.68E 0 3.5L,3.5
¶12074729

IDC Error ellipse: s-maj=94.5km s-min=26.8km az=79.0.
IDC XI 25 02 31 34.7–2.9 0.52S 133.16E 0 3.8L,3.8
¶12074753

IDC Error ellipse: s-maj=123.7km s-min=26.2km az=78.0.
IDC XI 26 17 05 58.8–5.9 3.02S 131.65E 0 3.6,3.4b
¶12074920

IDC Error ellipse: s-maj=413.6km s-min=27.9km az=73.0.
ISC XI 28 17 30 22.8–.92 4.00S–.09 135.1E–.10 35 3.5b 19 13-69
IDC XI 28 17 30 17.8–2.5 3.87S 135.16E 0 3.7,3.6 **¶12075160**
ISCJB XI 28 17 30 20.4–.91 3.96S–.09 135.1E–.10 33 3.5b,3.6
NEIC XI 28 17 30 22.8–.87 4.00S 135.07E 35 3.5b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=109.5km s-min=25.4km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=12.8km az=170.9.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=12.6km az=79.0.
IDC XII 02 17 48 59.5–4.0 3.46S 131.22E 0 3.5,3.4b
¶12075527

IDC Error ellipse: s-maj=281.8km s-min=28.3km az=72.0.
ISC XII 02 19 30 19.3–1.2 0.8S–.10 135.2E–.30 35 3.8b 15 17-66
IDC XII 02 19 30 14.3–1.7 0.87S 134.61E 0 4.1,4.0 **¶12075534**
ISCJB XII 02 19 30 17.0–1.2 0.8S–.10 135.3E–.40 33 3.8b,4.0
NEIC XII 02 19 30 19.0–.97 0.75S 135.37E 35 3.9b,4.0

ISC Event type se.
IDC Error ellipse: s-maj=78.3km s-min=22.1km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=53.1km s-min=14.7km az=164.8.
NEIC Event type se. Error ellipse: s-maj=37.2km s-min=12.8km az=72.0.
ISC XII 05 15 09 23.1–1.6 2.9S–.10 132.9E–.10 35 19 3-30
DJA XII 05 15 08 44 1.23S 135.50E 426 3.9b **¶12075893**
NEIC XII 05 15 09 13.7–6.1 2.35S 132.88E 10 3.4b
IDC XII 05 15 09 17.4–4.8 2.86S 133.17E 0 4.0,3.8L
ISCJB XII 05 15 09 19.2–1.6 2.7S–.10 133.0E–.10 33 4.0,3.8L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 07 00 40 26.4–2.2 0.67S 130.95E 0 3.7,3.5b
¶12076089

IDC Error ellipse: s-maj=124.0km s-min=21.1km az=76.0.
ISC XII 09 13 23 42.7–1.7 4.37S–.07 136.9E–.10 35–18 3.3b 28 11-88
ISCJB XII 09 13 23 37.1–2.8 4.25S–.06 136.9E–.10 11–19 3.3b **¶12076548**
IDC XII 09 13 23 37.6–1.2 4.15S 136.91E 0 3.8,3.7
NEIC XII 09 13 23 38.9–.69 4.22S 136.93E 10 3.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=10.5km az=0.4.
IDC Error ellipse: s-maj=41.5km s-min=21.4km az=81.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.2km az=74.0.
ISC XII 12 21 12 03.7–1.6 2.91S–.05 135.87E–.04 34–13 4.2b,3.8s 79 2-96
ISCJB XII 12 21 11 58.9–1.6 2.81S–.04 135.85E–.04 15–12 4.2b,3.8s **¶12077190**
IDC XII 12 21 11 59.0–.68 2.87S 135.59E 0 4.3,4.2
DJA XII 12 21 12 02 2.69S 135.86E 21 4.8b,4.2
NEIC XII 12 21 12 04.0–.54 2.97S 135.63E 35 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.8km az=39.7.
IDC Error ellipse: s-maj=27.6km s-min=10.8km az=78.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=8.8km az=67.0.
ISC XII 16 09 06 48.8–1.5 1.3S–.10 130.46E–.08 98–13 3.5b 26 2-68
IDC XII 16 09 06 37.8–1.7 1.14S 130.27E 0 3.8L,3.8 **¶12077735**
NEIC XII 16 09 06 43.1–1.2 1.23S 130.17E 35 3.6b,3.8
DJA XII 16 09 06 48 4.29S 130.93E 200 3.4,3.8
ISCJB XII 16 09 06 49.0–1.1 1.45S–.07 130.48E–.07 127–8 3.5b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 18 12 36 01.9–1.0 2.87S–.10 137.0E–.10 35 4.0s,3.6b 18 13-87
IDC XII 18 12 35 56.7–1.7 2.74S 137.06E 0 4.0s,4.0 **¶12078058**
ISCJB XII 18 12 35 59.8–1.0 2.90S–.10 137.0E–.10 33 4.0s,3.6b
NEIC XII 18 12 36 01.8–1.0 2.87S 136.97E 35 4.0s,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=71.6km s-min=28.0km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=13.6km az=163.3.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=13.9km az=72.0.
ISC XII 21 04 46 03.7–.81 0.43S–.05 132.41E–.05 67–8 4.5b 99 2-154
IDC XII 21 04 45 54.9–.58 0.35S 132.32E 0 4.5,4.4 **¶11517257**
ISCJB XII 21 04 46 01.9–.90 0.40S–.05 132.40E–.04 67–8 4.5b,4.4
DJA XII 21 04 46 02.3–.50 1S–5.0 132E–4.0 10–0 5.6b,5.1
NEIC XII 21 04 46 04.0–1.6 0.40S 132.35E 72–16 4.5b,5.1
BJI XII 21 04 46 04.7 0.40S 132.40E 78 5.1b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=10.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.0km az=42.1.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.0km az=55.0.
ISC XII 21 05 16 12.9–.59 3.41S–.05 135.19E–.04 43–7 4.0b,3.4s 71 2-151
ISCJB XII 21 05 16 10.9–.68 3.38S–.04 135.19E–.04 41–8 4.0b,3.4s **¶11517260**
NEIC XII 21 05 16 11.5–.45 3.37S 135.11E 30 4.3b,3.4s
IDC XII 21 05 16 12.1–.78 3.23S 135.13E 29–5 4.2,4.1L
DJA XII 21 05 16 13.4–3.2 3S–3.0 135E–2.0 23–36 5.6b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XII 21 06 30 15.4–3.5 0.85S 135.13E 0 3.5,3.4
¶12078423

IDC Error ellipse: s-maj=167.4km s-min=27.6km az=78.0.
IDC XII 27 11 16 59.6–5.8 3.34S 132.18E 0 3.7,3.6b
¶12079164

IDC Error ellipse: s-maj=378.8km s-min=30.1km az=74.0.

(197) Near north coast of Irian Jaya.

IDC VII 01 17 41 04.7–1.9 1.27S 138.02E 0 3.9,3.7
¶12697923

IDC Error ellipse: s-maj=84.6km s-min=19.8km az=83.0.
IDC VII 03 00 16 22.8–4.4 2.45S 139.52E 0 3.7,3.6b
¶12697954

IDC Error ellipse: s-maj=182.3km s-min=25.6km az=88.0.
ISC VII 05 06 14 09.0–2.9 1.77S–.04 138.56E–.09 12–18 4.6b 52 12-148
IDC VII 05 06 14 07.1–.74 1.81S 138.51E 0 5.1L,4.7 **¶11479857**
ISCJB VII 05 06 14 10.1–.44 1.83S–.04 138.50E–.07 33 4.6b,4.7
BJI VII 05 06 14 10.3 1.80S 138.50E 25 5.3b,5.2s
NEIC VII 05 06 14 12.3–.33 1.80S 138.50E 35 4.6b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=11.3km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.4km az=179.9.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.4km az=78.0.
IDC VII 06 22 15 51.5–6.5 2.48S 140.03E 0 3.8,3.6
¶12698050

IDC Error ellipse: s-maj=254.8km s-min=30.8km az=87.0.
IDC VII 10 07 25 14.9–9.1 2.81S 139.09E 0 4.2,3.9b
¶12698115

IDC Error ellipse: s-maj=377.6km s-min=30.4km az=86.0.
IDC VII 19 07 43 43.5–4.8 2.68S 140.02E 0 3.5L,3.4
¶12698310

IDC Error ellipse: s-maj=185.3km s-min=30.1km az=89.0.
ISC VII 21 23 22 20.6–.47 2.67S–.05 139.31E–.08 35 3.9b 25 12-87
IDC VII 21 23 22 15.5–1.6 2.67S 139.34E 0 3.8,3.7 **¶11812319**
ISCJB VII 21 23 22 18.3–.48 2.72S–.05 139.29E–.08 33 3.9b,3.7
NEIC VII 21 23 22 21.4–2.1 2.71S 139.25E 43–20 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=63.2km s-min=25.9km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.7km az=173.6.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=12.4km az=48.0.
ISC VII 31 18 15 28.5–1.1 2.73S–.08 139.0E–.20 35 4.0b,3.5s 15 12-86
IDC VII 31 18 15 23.2–1.5 2.59S 139.01E 0 4.1,4.0 **¶11813025**
ISCJB VII 31 18 15 26.8–1.1 2.75S–.08 138.9E–.20 33 4.0b,3.5s
NEIC VII 31 18 15 29.5–.89 2.76S 138.98E 45 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=24.6km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=35.1km s-min=10.7km az=7.7.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=9.1km az=98.0.
ISC VIII 17 19 02 05.4–1.2 2.54S–.09 140.8E–.30 35 3.7b 11 13-85
IDC VIII 17 19 01 59.8–1.5 2.47S 140.96E 0 4.0L,4.0 **¶11908368**
ISCJB VIII 17 19 02 03.7–1.2 2.53S–.09 140.7E–.30 33 3.7b,4.0
NEIC VIII 17 19 02 05.4–1.1 2.53S 140.81E 35 3.7b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=50.8km s-min=21.7km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=38.2km s-min=12.4km az=8.8.
NEIC Event type se. Error ellipse: s-maj=34.2km s-min=11.9km az=100.0.
IDC VIII 26 05 39 15.1–2.0 1.20S 138.06E 0 4.2L,4.2
¶12581423

IDC Error ellipse: s-maj=55.4km s-min=21.4km az=83.0.
ISC IX 07 07 08 16.3–2.7 1.7S–.10 137.9E–.20 42–27 3.8b 15 12-149
IDC IX 07 07 08 10.8–1.2 1.64S 137.80E 0 4.0L,4.0 **¶11909697**
NEIC IX 07 07 08 17.6–.76 1.75S 137.80E 50 3.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=22.8km az=93.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=12.3km az=82.0.

ISC IX 08 04 20 21.4–4.4 2.7S–.20 139.8E–.20 37–40 3.7b 12 12-145
IDC IX 08 04 20 13.7–1.3 2.46S 140.23E 0 4.1L,4.0 **¶11909785**
ISCJB IX 08 04 20 19.4–3.4 2.6S–.10 139.9E–.20 49–32 3.7b,4.0
NEIC IX 08 04 20 19.1–.80 2.52S 140.03E 35 3.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=22.3km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=31.9km s-min=16.3km az=10.8.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=12.1km az=99.0.
IDC IX 11 21 58 41.0–5.0 1.83S 138.95E 0 3.7L,3.7
¶11910069

IDC Error ellipse: s-maj=201.1km s-min=30.0km az=86.0.
ISC IX 13 07 58 02.3–1.4 2.32S–.04 139.07E–.04 35–10 4.8b,4.2s 184 3-150
IDC IX 13 07 57 56.6–.63 2.26S 139.09E 0 4.6,4.5L **¶11277496**
BJI IX 13 07 57 58.5 2.59S 139.19E 35 5.0b,4.9s
ISCJB IX 13 07 57 59.8–1.3 2.34S–.03 139.07E–.04 31–9 4.8b,4.2s
MOS IX 13 07 58 00.5–.80 2.33S 138.99E 36 5.2b,4.2s
GCMT IX 13 07 58 02.7–.30 2.16S 139.06E 27–0 5.0W,4.2s
NEIC IX 13 07 58 02.7–1.2 2.34S 138.97E 39–12 4.9b,4.2s
DJA IX 13 07 58 06 2.27S 138.84E 52 4.8b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=10.3km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.5km az=158.7.
MOS Error ellipse: s-maj=15.4km s-min=6.9km az=113.7.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s30,c30; s57,c78; Moment tensor: Scale 10^{16}Nm; M_{rr}3.80±.24 $M_{\theta\theta}$-1.64±.15; $M_{\phi\phi}$-2.16±.16; $M_{r\theta}$-0.94±.21; $M_{\theta\phi}$1.79±.09; $M_{\phi r}$0.23±.28; Best double couple: NP1:ϕ_s147.00000°,δ40.00000°,λ102.00000°. NP2:ϕ_s311.00000°,δ51.00000°,λ80.00000°. Principal axes: T 3.9600,Plg80.0000° ,Azm176.0000°; N -0.1700,Plg8.0000°,Azm317.0000°; P -3.7900,Plg6.0000°,Azm48.0000° M_o3.90000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.8km az=59.0.
IDC IX 13 09 00 09.8–5.1 1.83S 139.45E 0 3.9L,3.8
¶11910167

IDC Error ellipse: s-maj=204.3km s-min=30.1km az=87.0.
IDC IX 19 15 43 24.7–1.5 2.57S 139.39E 0 4.0L,3.9
¶11910631

IDC Error ellipse: s-maj=70.4km s-min=26.1km az=97.0.
IDC IX 20 21 36 08.5–4.0 2.80S 139.73E 0 4.2L,3.9
¶11910733

IDC Error ellipse: s-maj=132.6km s-min=28.6km az=91.0.
IDC IX 30 08 38 24.7–2.1 2.32S 139.38E 0 3.7,3.5L
¶11911444

IDC Error ellipse: s-maj=218.5km s-min=29.9km az=107.0.
IDC X 10 07 47 16.0–3.4 2.68S 139.32E 0 4.0,3.9L
¶12066490

IDC Error ellipse: s-maj=109.7km s-min=28.1km az=91.0.
IDC X 11 19 56 33.4–4.7 2.69S 139.01E 0 3.7,3.6b
¶12066607

IDC Error ellipse: s-maj=188.0km s-min=29.6km az=87.0.
IDC X 12 02 26 49.4–3.7 2.91S 139.97E 0 4.1L,3.9
¶12068435

IDC Error ellipse: s-maj=129.5km s-min=32.2km az=87.0.
IDC X 17 07 28 42.2–1.5 2.36S 139.49E 0 3.8,3.6b
¶12068870

IDC Error ellipse: s-maj=68.9km s-min=25.7km az=95.0.
IDC X 17 21 56 15.9–1.6 2.78S 139.37E 0 3.9,3.8L
¶12068926

IDC Error ellipse: s-maj=72.3km s-min=24.8km az=93.0.
ISC X 26 10 50 50.6–.92 2.1S–.10 139.06E–.07 37–13 3.7b 8 0-70
IDC X 26 10 50 42.7–5.3 1.98S 139.88E 0 4.0,3.8 **¶12071155**
DJA X 26 10 50 46 1.65S 139.15E 15 4.0,3.8
ISCJB X 26 10 50 49.7–.91 2.1S–.20 139.04E–.07 46–9 3.7b,3.8
IDC X 28 05 14 49.7–1.9 2.60S 140.87E 0 3.9,3.9L
¶12071307

IDC Error ellipse: s-maj=113.5km s-min=29.8km az=115.0.
IDC XI 09 01 18 41.0–1.7 2.41S 139.17E 0 3.7s,3.7
¶12072900

IDC Error ellipse: s-maj=112.3km s-min=28.3km az=113.0.
ISC XI 10 08 36 32.0–1.3 2.37S–.08 139.16E–.05 29–12 3.7b 26 1-85
IDC XI 10 08 36 27.8–1.3 2.34S 139.16E 0 4.0,4.0L **¶11415169**
DJA XI 10 08 36 28.7–1.1 2S–10 139E–4.0 30–8 5.8b,5.5
ISCJB XI 10 08 36 31.1–.80 2.41S–.08 139.09E–.05 34–12 3.7b,5.5
NEIC XI 10 08 36 33.1–.83 2.40S 139.16E 35 3.6b,5.5
ISC Event type se.
IDC Error ellipse: s-maj=54.2km s-min=21.5km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=8.1km az=11.4.
NEIC Event type se. Error ellipse: s-maj=32.6km s-min=11.5km az=98.0.
ISC XI 13 20 19 30.3–1.6 1.9S–.10 139.02E–.08 27–10 3.7b 18 0-69
DJA XI 13 20 19 28 1.65S 139.04E 19 4.2 **¶12073451**
ISCJB XI 13 20 19 29.9–1.1 2.0S–.10 138.98E–.08 33–11 3.7b
IDC XI 13 20 19 29.4–2.5 1.93S 138.55E 0 4.2L,4.0
NEIC XI 13 20 19 34.6–2.0 2.04S 138.54E 35 3.9b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=10.8km az=28.4.
IDC Error ellipse: s-maj=84.1km s-min=27.4km az=84.0.
NEIC Event type se. Error ellipse: s-maj=60.6km s-min=22.5km az=84.0.
IDC XI 16 10 02 33.9–5.0 1.96S 138.84E 0 3.6,3.5
¶12073729

IDC Error ellipse: s-maj=203.8km s-min=30.0km az=86.0.
ISC XI 20 13 20 11.3–3.4 2.75S–.08 139.5E–.20 48–30 4.4b 39 18-144
NEIC XI 20 13 20 10.4–6.3 2.71S 139.52E 44–56 3.8b **¶12074266**
ISCJB XI 20 13 20 11.2–3.4 2.78S–.08 139.3E–.20 62–32 4.4b
IDC XI 20 13 20 12.3–11 2.71S 139.53E 60–101 4.3L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=44.4km s-min=19.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=13.5km az=179.4.
IDC Error ellipse: s-maj=54.8km s-min=20.8km az=65.0.
DJA XI 20 14 30 54 2.05S 139.19E 44 3.8
¶12923129

ISC XI 25 19 37 07.9–1.3 2.3S–.10 139.4E–.10 35 15 10-137
IDC XI 25 19 37 02.8–4.3 2.52S 140.51E 0 4.1,3.9L **¶12074809**
ISCJB XI 25 19 37 05.0–1.4 2.2S–.10 139.6E–.10 33 4.1,3.9L
NEIC XI 25 19 37 10.8–3.8 2.55S 139.61E 36–29 3.6b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=101.8km s-min=57.5km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=18.3km az=38.5.
NEIC Event type se. Error ellipse: s-maj=36.8km s-min=18.7km az=167.0.
ISC XII 02 09 10 59.4–1.5 2.53S–.03 140.04E–.05 32–10 4.8b,3.9s 153 1-149
ISCJB XII 02 09 10 54.8–1.2 2.49S–.03 140.12E–.04 15–7 4.8b,3.9s **¶11486879**
IDC XII 02 09 10 54.0–.67 2.55S 139.97E 0 4.6,4.5
MOS XII 02 09 10 56.5–.77 2.51S 140.11E 30 4.9b,4.5
DJA XII 02 09 10 56 2.48S 140.19E 10 4.8b,4.5
BJI XII 02 09 10 57.1 2.60S 140.28E 44 5.0b,5.0b
NEIC XII 02 09 10 59.8–1.4 2.50S 140.07E 40–14 4.9b,5.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.8km az=163.8.
IDC Error ellipse: s-maj=17.9km s-min=8.8km az=102.0.
MOS Error ellipse: s-maj=16.0km s-min=8.2km az=112.4.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=7.5km az=71.0. Felt [IV] at Genyem and [III] at Jayapura and Sentani.
IDC XII 02 11 30 32.5–5.2 1.58S 139.09E 0 3.2,3.1b
¶12075499

IDC Error ellipse: s-maj=213.6km s-min=28.6km az=86.0.
IDC XII 03 09 35 30.0–3.2 2.32S 140.09E 0 3.9,3.7
¶12075598

IDC Error ellipse: s-maj=99.2km s-min=28.1km az=91.0.
IDC XII 06 07 49 17.3–1.8 2.84S 139.26E 0 4.0,3.8L
¶12075994

IDC Error ellipse: s-maj=105.0km s-min=28.5km az=113.0.
ISC XII 09 01 58 31.8–2.1 2.2S–.10 140.36E–.10 12–16 3.7b 14 0-145
DJA XII 09 01 58 24 1.80S 140.92E 8 4.4 **¶12076452**
IDC XII 09 01 58 29.7–1.6 2.23S 140.38E 0 4.1,3.9
ISCJB XII 09 01 58 32.1–1.3 2.3S–.10 140.40E–.10 29–12 3.7b,3.9
ISC XII 09 15 31 52.4–.46 2.80S–.02 139.36E–.03 62–4 5.5b 463 1-159
BJI XII 09 15 31 43.2 3.38S 139.78E 47 5.4b,5.1s **¶12076560**
MOS XII 09 15 31 46.9–1.1 2.81S 139.28E 32 5.6b,4.9s
ISCJB XII 09 15 31 49.6–.46 2.79S–.02 139.39E–.02 54–4 5.5b,5.2s
NEIC XII 09 15 31 50.2–.17 2.81S 139.32E 45 5.6b,5.6W
DJA XII 09 15 31 51.7–.20 3S–3.0 139E–2.0 51–3 6.0b,5.8
GCMT XII 09 15 31 53.2–.10 2.82S 139.39E 23 5.7W,5.8
IDC XII 09 15 31 55.5–3.5 2.92S 139.07E 89–31 5.0,4.9s
ISC Event type fe.
MOS Error ellipse: s-maj=10.0km s-min=5.4km az=110.5.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=40.2.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.9km az=66.0. Felt [IV] at Genyem, Jayapura and Sentani; [III] at Sarmi. Moment Tensor Solution. s18 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$1.33 $M_{r\theta}$-1.64 $M_{\theta\phi}$0.42 $M_{\phi r}$2.37 Best double couple: NP1: ϕ_s146.00000°,δ89.00000°,λ-115.00000°. NP2:ϕ_s53.00000°,δ25.00000°,λ-4.00000°. Principal axes: T 3.1800,Plg38.0000°,Azm258.0000°; N -0.0100,Plg24.0000°,Azm146.0000° ; P -3.1700,Plg41.0000°,Azm32.0000° M_o3.20000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=204, per= 50. Moment Tensor Solution. s82,c148; s1,c1; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.30±.04 $M_{\theta\theta}$-0.65±.03; $M_{\phi\phi}$0.95±.03; $M_{r\theta}$-3.04±.05; $M_{\theta\phi}$0.06±.02; $M_{\phi r}$3.72±.06; Best double couple: NP1:ϕ_s41.00000°,δ9.00000°,λ-10.00000°. NP2:ϕ_s141.00000°,δ88.00000°,λ-99.00000°. Principal axes: T 4.8600,Plg43.0000°,Azm240.0000°; N 0.0400,Plg9.0000°,Azm141.0000° ; P -4.9000,Plg46.0000°,Azm42.0000° M_o4.90000×10^{17}
IDC Error ellipse: s-maj=15.7km s-min=8.1km az=84.0.
IDC XII 12 20 17 04.1–3.0 2.50S 140.60E 0 3.7L,3.7
¶12077176

IDC Error ellipse: s-maj=96.6km s-min=25.3km az=87.0.
ISC XII 14 10 55 17.1–4.1 2.54S–.07 140.1E–.10 15–26 4.0b 29 10-146
IDC XII 14 10 55 14.2–.82 2.48S 140.28E 0 4.2,4.1 **¶12077435**
ISCJB XII 14 10 55 17.3–.66 2.57S–.07 140.2E–.10 33 4.0b,4.1
NEIC XII 14 10 55 20.3–1.9 2.59S 140.17E 44–19 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=16.8km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=9.5km az=168.4.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=12.1km az=104.0.
ISC XII 15 03 42 14.5–1.4 2.54S–.03 140.18E–.05 3–9 4.6b,3.8s 120 1-151
ISCJB XII 15 03 42 13.1–1.3 2.49S–.03 140.14E–.05 3–8 4.6b,3.8s **¶12077530**
DJA XII 15 03 42 15 2.57S 140.30E 15 4.6b,3.8s
IDC XII 15 03 42 16.2–4.7 2.52S 140.19E 16–29 4.4L,4.3
MOS XII 15 03 42 17.6–1.0 2.47S 140.10E 33 4.8b,4.3
BJI XII 15 03 42 18.8 2.83S 140.30E 67 5.1b,4.9s
NEIC XII 15 03 42 21.7–1.7 2.53S 140.01E 54–16 4.7b,4.9s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=5.3km az=7.5.
IDC Error ellipse: s-maj=22.6km s-min=12.3km az=95.0.
MOS Error ellipse: s-maj=16.4km s-min=8.1km az=109.7.
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=9.5km az=76.0. Felt in the Jayapura area.
DJA XII 20 13 51 03 2.48S 139.32E 121 3.6
¶12923456

ISC XII 20 17 44 46.4–.53 2.71S–.03 139.13E–.03 46–4 5.4b,5.3s 411 1-159
BJI XII 20 17 44 40.3 3.03S 139.33E 38 5.5b,5.4b **¶13813972**
MOS XII 20 17 44 43.4–1.0 2.62S 139.07E 33 5.7b,5.0s
ISCJB XII 20 17 44 44.1–.57 2.73S–.03 139.12E–.03 42–5 5.4b,5.3s
NEIC XII 20 17 44 45.8–.75 2.77S 139.00E 45–7 5.5b,5.5W
DJA XII 20 17 44 46 2.46S 139.19E 36 5.4W,5.5W
GCMT XII 20 17 44 47.8–.10 2.65S 139.01E 31–0 5.5W,5.5W
IDC XII 20 17 44 47.3–2.3 2.70S 139.09E 54–21 5.2s,5.2
ISC Event type se.
MOS Error ellipse: s-maj=10.6km s-min=5.1km az=114.8.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.9km az=42.4.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.6km az=63.0. Felt [III] at Genyem.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=109, comp=203, per= 50. Moment Tensor Solution. s106,c185; s40,c43; Moment tensor: Scale 10^{17}Nm; M_{rr}2.34±.04 $M_{\theta\theta}$-2.20±.03; $M_{\phi\phi}$-0.14±.03; $M_{r\theta}$-0.55±.05; $M_{\theta\phi}$1.15±.02; $M_{\phi r}$-0.34±.06; Best double couple: NP1:ϕ_s128.00000°,δ43.00000°,λ111.00000°. NP2:ϕ_s281.00000°,δ51.00000°,λ72.00000°. Principal axes: T 2.5000,Plg75.0000°,Azm130.0000°; N 0.2400,Plg14.0000°,Azm292.0000° ; P -2.7400,Plg4.0000°,Azm23.0000° M_o2.60000×10^{17}
IDC Error ellipse: s-maj=12.9km s-min=8.2km az=83.0.
DJA XII 21 08 24 44 2.55S 139.18E 10 3.5
¶12923464

ISC XII 22 02 22 59.5–.52 2.84S–.03 139.48E–.03 47–5 4.8b,4.0s 141 1-147
IDC XII 22 02 22 52.9–.59 2.82S 139.43E 0 4.6L,4.5 **¶11517510**
ISCJB XII 22 02 22 58.0–.55 2.87S–.03 139.46E–.03 50–5 4.8b,4.0s
BJI XII 22 02 22 58.6 2.80S 139.20E 35 5.1b,4.8s
NEIC XII 22 02 22 59.1–1.5 2.85S 139.26E 41–15 5.0b,4.8s
DJA XII 22 02 23 00.1–.30 3S–3.0 140E–2.0 60–4 5.2b,5.0
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
DJA XII 26 05 03 26 2.94S 140.09E 10 3.7
¶12923521

ISC XII 27 07 18 16.5–1.2 1.98S–.05 139.02E–.06 26–8 4.3b 60 0-150
IDC XII 27 07 18 12.7–.72 1.94S 138.99E 0 4.5L,4.3 **¶12079139**
DJA XII 27 07 18 14 1.59S 139.13E 19 4.8,4.3
ISCJB XII 27 07 18 16.3–.79 2.01S–.05 138.98E–.06 38–7 4.3b,4.3
NEIC XII 27 07 18 20.0–1.7 2.04S 138.89E 56–15 4.4b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=15.2km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.1km az=141.2.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.7km az=76.0.
ISC XII 29 13 44 22.6–2.6 2.9S–.10 139.5E–.30 77–28 3.4b 18 12-86
IDC XII 29 13 44 12.8–1.5 2.74S 139.69E 0 3.8L,3.8 **¶12079403**
ISCJB XII 29 13 44 18.3–5.3 2.8S–.20 139.5E–.30 50–53 3.5b,3.8
NEIC XII 29 13 44 18.8–.87 2.73S 139.36E 35 3.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=67.6km s-min=24.6km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=45.5km s-min=27.7km az=15.9.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=11.4km az=89.0.
IDC XII 29 18 38 04.4–4.8 2.32S 139.55E 0 3.4,3.3L
¶12079431

IDC Error ellipse: s-maj=191.7km s-min=28.7km az=88.0.
DJA XII 29 23 34 58 2.75S 139.88E 10 3.8
¶12923544

(199) Admiralty Islands region.

ISC VII 11 09 58 52.1–.77 2.94S–.03 148.01E–.03 42–7 5.3b,5.3s 314 6-170
IDC VII 11 09 58 45.5–.61 2.87S 147.79E 0 5.2,5.1s **¶12951203**
BJI VII 11 09 58 47.8 2.78S 148.15E 29 5.4s,5.4b
ISCJB VII 11 09 58 48.9–1.1 2.94S–.03 148.00E–.03 30–7 5.3b,5.3s
MOS VII 11 09 58 49.4–1.2 2.90S 147.66E 33 5.4b,5.2s
NEIC VII 11 09 58 49.9–2.6 2.94S 147.82E 24–18 5.7W,5.7W
GCMT VII 11 09 58 49.5–.10 2.95S 148.08E 14 5.6W,5.7W
DJA VII 11 09 58 52 2.93S 148.16E 44 5.7W,5.7W
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=14.4km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=5.2km az=2.0.
MOS Error ellipse: s-maj=11.3km s-min=6.1km az=94.8.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.6km az=87.0. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22 $M_{\theta\theta}$-0.42 $M_{\phi\phi}$-0.80 $M_{r\theta}$1.89 $M_{\theta\phi}$1.21 $M_{\phi r}$3.85 Best double couple: NP1:ϕ_s19.00000°,δ85.00000°,λ105.00000°. NP2:ϕ_s126.00000° ,δ15.00000°,λ18.00000°. Principal axes: T 5.1000,Plg47.0000°,Azm303.0000° ; N -1.3100,Plg14.0000°,Azm197.0000°; P -3.7800,Plg38.0000°,Azm95.0000° M_o4.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=230, per= 50. Moment Tensor Solution. s94,c157; s58,c68; Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.03 $M_{\theta\theta}$1.73±.04; $M_{\phi\phi}$-1.74±.04; $M_{r\theta}$0.10±.07; $M_{\theta\phi}$3.03±.04; $M_{\phi r}$0.31±.08; Best double couple: NP1:ϕ_s105.00000°,δ85.00000°,λ0.00000°. NP2:ϕ_s15.00000°,δ90.00000°,λ175.00000°. Principal axes: T 3.5000,Plg4.0000°,Azm330.0000°; N 0.0000,Plg85.0000°,Azm192.0000° ; P -3.5100,Plg4.0000°,Azm60.0000° M_o3.50000×10^{17}
IDC VIII 11 16 51 15.0–1.6 2.46S 146.46E 0 4.0,3.8

¶12581028

IDC Error ellipse: s-maj=81.0km s-min=28.7km az=119.0.
ISC VIII 26 02 06 27.4–.43 2.97S–.06 147.70E–.10 35 4.6s,4.3b 47 6-145
IDC VIII 26 02 06 20.8–.88 2.96S 147.67E 0 4.6,4.6s **¶11265318**
ISCJB VIII 26 02 06 25.5–.44 2.97S–.05 147.69E–.10 33 4.6s,4.3b
NEIC VIII 26 02 06 27.9–2.4 2.92S 147.43E 42–23 4.7b,4.3b
GCMT VIII 26 02 06 30.6–.10 2.87S 147.53E 12–0 5.4W,4.3b
DJA VIII 26 02 06 48 4.00S 146.69E 86 4.8b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=15.8km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=7.7km az=8.6.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=14.5km az=88.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 104 sta. Moment Tensor Solution. s73,c123; s99,c195; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.02 $M_{\theta\theta}$0.24±.02; $M_{\phi\phi}$-0.22±.02; $M_{r\theta}$1.04±.11; $M_{\theta\phi}$1.20±.02; $M_{\phi r}$-0.36±.06; Best double couple: NP1:ϕ_{s}9.00000° ,δ49.00000°,λ-176.00000°. NP2:ϕ_{s}276.00000°,δ87.00000°,λ-41.00000°. Principal axes: T 1.5100,Plg25.0000°,Azm330.0000°; N 0.2500,Plg49.0000°,Azm93.0000° ; P -1.7500,Plg30.0000°,Azm224.0000° M_{0}1.60000×10^{17}
ISC X 23 10 04 36.9–.83 2.58S–.02 145.60E–.02 12–5 6.2s,5.8b 637 7-172
BJI X 23 10 04 31.3 2.53S 146.11E 10 6.3s,6.1b **¶11362170**
ISCJB X 23 10 04 33.8–.71 2.57S–.02 145.55E–.02 2–4 6.2s,5.8b
IDC X 23 10 04 34.0–.39 2.60S 145.62E 0 6.1,6.1s
NEIC X 23 10 04 35.0–.15 2.64S 145.57E 10 6.3s,6.3W
DJA X 23 10 04 37 2.56S 145.94E 16 6.4W,6.3W
MOS X 23 10 04 37.1–1.2 2.64S 145.59E 33 6.2s,6.2b
GCMT X 23 10 04 41.3–.10 2.46S 145.78E 12 6.3W,6.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.4km az=0.6.
IDC Error ellipse: s-maj=14.1km s-min=10.3km az=85.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.8km az=69.0. Moment Tensor Solution. s59 Moment tensor: Scale 10^{18}Nm; M_{rr}0.42 $M_{\theta\theta}$-1.40 $M_{\phi\phi}$0.98 $M_{r\theta}$0.01 $M_{\theta\phi}$2.50 $M_{\phi r}$1.30 Best double couple: NP1:ϕ_{s}345.00000°,δ82.00000°,λ155.00000°. NP2:ϕ_{s}79.00000° ,δ65.00000°,λ9.00000°. Principal axes: T 3.0400,Plg23.0000°,Azm299.0000° ; N 0.0800,Plg63.0000°,Azm149.0000°; P -3.1200,Plg11.0000°,Azm34.0000° M_{0}3.10000×10^{18}
MOS Error ellipse: s-maj=8.2km s-min=5.1km az=106.1.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 105 sta. Surface waves: sta=121, comp=295, per= 50. Moment Tensor Solution. s115,c271; s99,c196; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.06±.02 $M_{\theta\theta}$-2.10±.02; $M_{\phi\phi}$2.16±.02; $M_{r\theta}$-0.62±.05; $M_{\theta\phi}$3.40±.02; $M_{\phi r}$0.36±.05; Best double couple: NP1:ϕ_{s}74.00000°,δ83.00000°,λ-7.00000°. NP2:ϕ_{s}164.00000°,δ83.00000°,λ-173.00000°. Principal axes: T 4.0400,Plg0.0000° ,Azm299.0000°; N 0.0700,Plg80.0000°,Azm208.0000°; P -4.1100,Plg10.0000°,Azm29.0000° M_{0}4.10000×10^{18}
ISC X 23 10 12 44.9–.88 2.83S–.08 145.5E–.20 35 3.9b 21 7-83
IDC X 23 10 12 40.0–1.4 2.75S 145.44E 0 4.3,4.1b **¶12070868**
NEIC X 23 10 12 41.4–.65 2.78S 145.51E 10 4.4b,4.1b
ISCJB X 23 10 12 42.9–.88 2.86S–.09 145.5E–.20 33 3.9b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 23 10 12 50.2–3.7 2.67S 145.66E 0 4.6,4.4
¶12070869

IDC Error ellipse: s-maj=82.4km s-min=31.3km az=71.0.
ISC X 23 10 28 10.0–1.4 2.7S–.20 146.0E–.20 35 3.4b 11 7-83
IDC X 23 10 28 04.8–1.5 2.52S 145.83E 0 3.8,3.7 **¶12070870**
NEIC X 23 10 28 06.3–1.1 2.60S 145.95E 10 3.7b,3.7
ISCJB X 23 10 28 08.1–1.4 2.7S–.10 146.0E–.20 33 3.4b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 23 10 32 57.9–.91 2.57S–.08 145.9E–.20 35 3.8b 21 7-143
IDC X 23 10 32 52.0–1.4 2.56S 146.00E 0 4.1,4.0 **¶12070871**
NEIC X 23 10 32 54.4–.89 2.50S 145.86E 10 4.2b,4.0
ISCJB X 23 10 32 55.7–.91 2.59S–.09 145.9E–.20 33 3.8b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 23 10 34 41.0–.62 2.69S–.05 145.9E–.10 35 4.3b 38 7-151
IDC X 23 10 34 34.8–.79 2.63S 146.07E 0 4.7,4.7s **¶12070872**
NEIC X 23 10 34 37.2–.67 2.61S 145.85E 10 4.9b,4.7s
ISCJB X 23 10 34 38.7–.61 2.71S–.05 145.9E–.10 33 4.3b,4.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 23 10 45 29.5–1.6 2.78S 145.62E 0 3.6,3.4
¶12070877

IDC Error ellipse: s-maj=124.7km s-min=28.4km az=117.0.
ISC X 23 10 46 37.0–1.1 2.5S–.10 145.6E–.20 35 3.5b 13 7-83
IDC X 23 10 46 31.8–1.4 2.42S 145.41E 0 4.0,3.9 **¶12070878**
NEIC X 23 10 46 33.3–.86 2.45S 145.55E 10 3.9b,3.9
ISCJB X 23 10 46 35.0–1.1 2.6S–.10 145.6E–.20 33 3.5b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 23 11 15 31.8–.61 2.67S–.05 145.9E–.10 35 4.5s,4.2b 47 7-143
IDC X 23 11 15 26.4–.96 2.60S 145.94E 0 4.6s,4.5 **¶12070884**
NEIC X 23 11 15 28.4–.51 2.64S 145.90E 10 4.8b,4.5
ISCJB X 23 11 15 29.6–.61 2.69S–.05 146.0E–.10 33 4.5s,4.2b
GCMT X 23 11 15 41.3–.30 2.48S 145.71E 12 5.3W,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=35.6km s-min=14.9km az=98.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=6.7km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=7.5km az=4.0.
GCMT Event type se. Data Used: IU G II IC CN. Moment Tensor Solution. s5,c5; s61,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.24±.49 $M_{\theta\theta}$-2.86±.38; $M_{\phi\phi}$4.11±.43; $M_{r\theta}$-4.61±1.34; $M_{\theta\phi}$7.76±.28; $M_{\phi r}$1.79±1.11; Best double couple: NP1:ϕ_{s}172.00000°,δ66.00000° ,λ-164.00000°. NP2:ϕ_{s}75.00000°,δ75.00000°,λ-25.00000°. Principal axes: T 9.2000,Plg6.0000°,Azm125.0000°; N 1.2000,Plg61.0000°,Azm226.0000° ; P -10.4000,Plg28.0000°,Azm31.0000° M_{0}9.80000×10^{16}
ISC X 23 16 35 50.5–.67 2.64S–.07 145.5E–.10 35 4.1b,3.9s 28 7-143
IDC X 23 16 35 44.0–1.2 2.67S 145.85E 0 4.2,4.0 **¶11390989**
NEIC X 23 16 35 46.5–.68 2.57S 145.53E 10 4.5b,4.0
ISCJB X 23 16 35 48.1–.64 2.63S–.07 145.5E–.10 33 4.1b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 24 20 55 39.9–4.0 2.63S 145.71E 0 3.9,3.7
¶12071022

IDC Error ellipse: s-maj=85.2km s-min=31.6km az=71.0.
IDC X 29 16 16 21.1–1.8 0.34S 148.56E 0 4.0,3.7b
¶12071496

IDC Error ellipse: s-maj=279.0km s-min=26.3km az=119.0.
ISC X 31 15 08 59.4–1.2 2.60S–.09 145.6E–.20 35 3.7b,3.4s 20 7-83
IDC X 31 15 08 54.3–1.8 2.51S 145.65E 0 3.9,3.8 **¶12071743**
NEIC X 31 15 08 55.8–1.1 2.55S 145.63E 10 4.4b,3.8
ISCJB X 31 15 08 57.3–1.2 2.64S–.09 145.6E–.20 33 3.7b,3.4s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 31 16 42 35.3–1.6 2.86S 145.91E 0 3.7,3.6
¶12071749

IDC Error ellipse: s-maj=51.5km s-min=24.9km az=106.0.
IDC XI 01 01 53 31.7–4.1 1.24S 148.43E 0 4.3,4.0b
¶12071804

IDC Error ellipse: s-maj=163.0km s-min=44.4km az=105.0.
ISC XI 03 04 37 02.5–1.0 2.89S–.09 145.8E–.20 35 3.9b,3.4s 21 7-83
IDC XI 03 04 36 56.1–1.4 2.89S 145.98E 0 4.1,4.0 **¶12072070**
ISCJB XI 03 04 36 59.9–.94 2.89S–.08 145.8E–.20 33 3.9b,3.4s
NEIC XI 03 04 36 59.9–1.4 2.86S 145.64E 10 4.2b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=20.6km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=12.0km az=179.0.
NEIC Event type se. Error ellipse: s-maj=29.3km s-min=14.6km az=79.0.
NEIC XI 12 18 16 11.6–1.7 2.53S 147.00E 35 4.1b
IDC XI 12 18 16 06.8–4.4 2.48S 146.89E 0 4.1,3.9L **¶12073328**
NEIC Event type se. Error ellipse: s-maj=42.1km s-min=23.4km az=99.0.
IDC Error ellipse: s-maj=120.4km s-min=62.9km az=100.0.
ISC XI 15 22 24 38.8–4.2 2.4S–.20 146.0E–.20 36–46 4.0b 23 7-143
NEIC XI 15 22 24 40.6–3.7 2.53S 146.21E 64–39 4.3b **¶12073674**
IDC XI 15 22 24 40.6–6.1 2.49S 146.09E 54–62 3.9,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.6km s-min=20.8km az=122.0.
IDC Error ellipse: s-maj=43.7km s-min=29.4km az=120.0.
ISC XI 17 09 48 30.0–1.0 2.79S–.06 145.49E–.06 69–10 4.6b 126 5-150
IDC XI 17 09 48 18.8–1.1 2.58S 145.86E 0 4.5s,4.5 **¶11456719**
MOS XI 17 09 48 24.3–1.9 2.67S 145.31E 33 5.2b,4.5
GCMT XI 17 09 48 24.5–.20 2.46S 145.61E 14–1 5.2W,4.5
NEIC XI 17 09 48 25.9–.40 2.61S 145.45E 35 5.0b,4.5
BJI XI 17 09 48 26.4 2.71S 145.38E 47 5.1b,4.9b
ISCJB XI 17 09 48 27.3–1.2 2.75S–.06 145.47E–.06 58–11 4.7b,4.5s
DJA XI 17 09 48 41 3.15S 144.89E 100 4.7b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=15.4km az=99.0.
MOS Error ellipse: s-maj=14.9km s-min=8.3km az=101.5.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s47,c74; s99,c170; Moment tensor: Scale 10^{16}Nm; M_{rr}0.12±.15 $M_{\theta\theta}$-3.66±.13; $M_{\phi\phi}$3.54±.16; $M_{r\theta}$-0.88±.28; $M_{\theta\phi}$6.17±.15; $M_{\phi r}$-0.74±.29; Best double couple: NP1: ϕ_{s}165.00000°,δ82.00000°,λ176.00000°. NP2:ϕ_{s}255.00000°,δ86.00000°,λ8.00000°. Principal axes: T 7.2500,Plg9.0000°,Azm120.0000°; N -0.0200,Plg81.0000°,Azm280.0000° ; P -7.2300,Plg3.0000°,Azm30.0000° M_{0}7.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.5km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.6km az=42.1.
ISC XI 17 09 51 33.4–2.6 2.8S–.10 145.8E–.20 74–26 4.1b 29 7-143
IDC XI 17 09 51 23.0–1.5 2.69S 146.14E 0 4.4,4.2b **¶12073839**
NEIC XI 17 09 51 29.7–.70 2.62S 145.78E 35 4.6b,4.2b
ISCJB XI 17 09 51 31.2–3.7 2.8S–.10 145.8E–.20 68–37 4.1b,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 17 10 29 36.0–1.6 2.82S 146.03E 0 4.1,3.8
¶12073842

IDC Error ellipse: s-maj=51.6km s-min=23.3km az=110.0.
ISC XII 24 09 57 07.8–1.8 0.72S–.06 147.42E–.07 46–17 4.7b,4.5s 98 9-152
IDC XII 24 09 57 01.0–.64 0.65S 147.39E 0 4.5,4.5 **¶11518749**
ISCJB XII 24 09 57 03.3–2.9 0.68S–.05 147.40E–.07 25–20 4.7b,4.5s
DJA XII 24 09 57 04 0.51S 147.31E 10 4.8b,4.5s
BJI XII 24 09 57 04.4 0.54S 147.74E 35 5.2b,5.0s
NEIC XII 24 09 57 06.7–.27 0.67S 147.38E 35 4.7b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=14.1km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=8.8km az=161.6.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.7km az=81.0.

(200) Near north coast of New Guinea.

ISC VII 04 10 18 01.3–1.5 3.58S–.04 145.38E–.06 23–10 4.7b,4.3s 72 6-150
ISCJB VII 04 10 17 56.1–1.4 3.50S–.04 145.41E–.06 1–8 4.7b,4.3s **¶11009309**
IDC VII 04 10 18 01.5–4.2 3.54S 145.43E 33–29 4.8L,4.5
GCMT VII 04 10 18 02.1–.10 3.37S 145.44E 12 5.1W,4.5
NEIC VII 04 10 18 02.7–.39 3.51S 145.38E 35 4.7b,4.5
BJI VII 04 10 18 03.8 3.03S 145.52E 36 5.0b,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=6.6km az=6.1.
IDC Error ellipse: s-maj=32.5km s-min=10.6km az=107.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c73; s89,c147; Moment tensor: Scale 10^{16}Nm; M_{rr}0.05±.10 $M_{\theta\theta}$-0.27±.09; $M_{\phi\phi}$0.22±.11; $M_{r\theta}$0.25±.25; $M_{\theta\phi}$5.18±.07; $M_{\phi r}$0.14±.25; Best double couple: NP1:ϕ_{s}359.00000°,δ87.00000°,λ178.00000°. NP2:ϕ_{s}89.00000°,δ88.00000°,λ3.00000°. Principal axes: T 5.1800,Plg3.0000°,Azm314.0000° ; N 0.0300,Plg87.0000°,Azm117.0000°; P -5.2100,Plg1.0000°,Azm224.0000° M_{0}5.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.0km az=97.0.
IDC VII 19 15 07 10.4–1.7 3.12S 142.23E 0 3.8,3.6b
¶12698324

IDC Error ellipse: s-maj=77.4km s-min=25.3km az=111.0.
ISC VII 23 20 32 12.2–.95 3.65S–.10 145.8E–.20 35 3.8b 9 6-84
IDC VII 23 20 32 07.7–1.5 3.47S 145.57E 0 4.1,3.9b **¶11812472**
ISCJB VII 23 20 32 10.3–.94 3.62S–.10 145.8E–.20 33 3.8b,3.9b
NEIC VII 23 20 32 12.3–.97 3.60S 145.78E 35 4.6b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=55.5km s-min=21.2km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=29.6km s-min=13.9km az=0.1.
NEIC Event type se. Error ellipse: s-maj=32.2km s-min=14.6km az=90.0.
ISC VII 28 07 42 49.3–.67 3.36S–.05 145.8E–.10 35 4.0b,3.8s 28 6-143
IDC VII 28 07 42 43.5–1.3 3.31S 145.94E 0 4.2,4.1 **¶11812768**
ISCJB VII 28 07 42 47.0–.66 3.37S–.05 145.8E–.10 33 4.0b,3.8s
NEIC VII 28 07 42 48.9–.76 3.33S 145.85E 35 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=17.1km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=7.2km az=170.3.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=9.9km az=87.0.
IDC VII 29 08 53 40.0–1.8 4.81S 145.98E 0 4.2,4.0b
¶12698480

IDC Error ellipse: s-maj=63.4km s-min=23.8km az=115.0.
ISC VIII 04 05 35 58.8–1.2 3.89S–.10 142.26E–.09 35 3.7b 19 7-109
IDC VIII 04 05 35 49.3–1.7 3.75S 142.97E 0 4.1,3.8 **¶11907759**
ISCJB VIII 04 05 35 56.0–1.2 3.8S–.10 142.3E–.10 33 3.7b,3.8
NEIC VIII 04 05 35 57.0–1.6 3.66S 142.24E 35 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=71.8km s-min=26.2km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=13.8km az=139.6.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=17.4km az=177.0.
ISC VIII 14 19 15 41.6–3.9 4.0S–.20 144.6E–.30 135–39 3.5b 10 10-142
IDC VIII 14 19 15 25.8–1.3 3.84S 144.73E 0 3.9,3.8b **¶11908219**
ISCJB VIII 14 19 15 40.3–4.2 4.0S–.20 144.5E–.20 136–42 3.5b,3.8b
NEIC VIII 14 19 15 42.2–3.6 4.05S 144.43E 132–33 3.5b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=44.7km s-min=19.2km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=41.1km s-min=25.4km az=8.9.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=21.6km az=90.0.
IDC VIII 17 07 31 41.5–3.9 4.65S 145.15E 0 3.7,3.5
¶12581148

IDC Error ellipse: s-maj=106.1km s-min=31.6km az=103.0.
IDC VIII 19 07 17 49.6–1.6 2.56S 141.29E 0 3.8L,3.7
¶12581192

IDC Error ellipse: s-maj=75.8km s-min=26.7km az=103.0.
IDC VIII 23 02 36 35.7–1.8 4.32S 144.35E 0 3.8,3.7L
¶12581306

IDC Error ellipse: s-maj=73.8km s-min=26.7km az=107.0.
IDC VIII 26 20 24 51.2–1.4 4.73S 144.61E 0 3.9L,3.8
¶12581443

IDC Error ellipse: s-maj=53.3km s-min=21.3km az=103.0.
IDC VIII 27 23 26 58.1–1.3 3.30S 142.71E 0 4.2,4.1L
¶12581481

IDC Error ellipse: s-maj=42.9km s-min=19.1km az=96.0.
ISC VIII 27 23 51 53.0–2.1 3.25S–.08 142.67E–.09 35–21 4.5s,4.3b 36 8-147
IDC VIII 27 23 51 47.0–1.2 3.23S 142.82E 0 4.4,4.3L **¶11908959**
ISCJB VIII 27 23 51 49.4–4.9 3.22S–.08 142.66E–.09 23–36 4.5s,4.3b
NEIC VIII 27 23 51 52.6–3.7 3.23S 142.65E 35–27 4.3b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=18.3km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=13.3km az=160.6.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.7km az=90.0.
IDC IX 01 09 57 14.2–1.4 4.45S 145.19E 0 3.9L,3.9

¶11909212

IDC Error ellipse: s-maj=60.9km s-min=24.2km az=120.0.
ISC IX 03 18 31 38.3–3.7 4.0S–.20 142.0E–.20 121–39 3.8b 11 7-144
IDC IX 03 18 31 23.4–1.2 3.75S 142.41E 0 4.5L,4.2 ¶11909388
ISCJB IX 03 18 31 37.2–4.3 4.0S–.20 142.0E–.20 126–45 3.8b,4.2
NEIC IX 03 18 31 39.5–2.5 4.03S 142.12E 135–25 3.8b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=47.9km s-min=20.3km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=40.9km s-min=21.1km az=41.7.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=13.6km az=131.0.
IDC IX 04 15 29 29.6–1.9 4.52S 144.04E 0 3.7,3.6L

¶11909466

IDC Error ellipse: s-maj=70.8km s-min=22.4km az=109.0.
IDC IX 07 01 35 44.0–1.6 2.45S 142.12E 0 3.8,3.7L

¶11909670

IDC Error ellipse: s-maj=62.6km s-min=23.9km az=107.0.
ISC IX 13 01 11 49.5–.97 2.53S–.09 141.8E–.20 35 4.0b 12 19-84
IDC IX 13 01 11 42.5–1.3 2.47S 142.21E 0 4.0,3.9L ¶11910147
ISCJB IX 13 01 11 47.0–.88 2.51S–.09 141.8E–.20 33 4.0b,3.9L
NEIC IX 13 01 11 48.7–.74 2.48S 141.91E 35 4.7b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=19.0km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=31.3km s-min=12.3km az=1.6.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=11.2km az=92.0.
ISC IX 13 01 35 22.7–.79 2.57S–.07 142.0E–.20 35 4.1b 17 14-145
IDC IX 13 01 35 16.4–1.1 2.51S 142.26E 0 4.2,4.0L ¶11910148
ISCJB IX 13 01 35 20.2–.86 2.58S–.07 142.1E–.20 33 4.1b,4.0L
NEIC IX 13 01 35 22.5–.61 2.53S 141.98E 35 4.4b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=18.6km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=27.4km s-min=10.3km az=5.4.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=9.6km az=94.0.
ISC IX 13 01 50 03.4–.56 2.53S–.05 141.8E–.10 35 4.3b,3.7s 34 14-147
IDC IX 13 01 49 56.5–.79 2.51S 142.09E 0 4.6L,4.3 ¶11910149
ISCJB IX 13 01 50 01.1–.55 2.51S–.06 141.8E–.10 33 4.3b,3.7s
NEIC IX 13 01 50 03.4–3.5 2.49S 142.03E 47–33 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=9.6km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=7.9km az=171.7.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=13.5km az=217.0.
ISC IX 13 02 16 42.9–.84 2.50S–.09 141.9E–.20 35 4.0b,3.4s 11 16-145
IDC IX 13 02 16 36.7–1.1 2.47S 142.19E 0 4.1,4.0 ¶11910151
ISCJB IX 13 02 16 40.8–.83 2.48S–.09 141.9E–.20 33 4.0b,3.4s
NEIC IX 13 02 16 42.5–.65 2.47S 141.95E 35 4.2b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=19.1km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=30.8km s-min=12.7km az=178.5.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=11.5km az=89.0.
IDC IX 13 02 19 21.5–1.6 2.35S 141.97E 0 3.7,3.5

¶11910153

IDC Error ellipse: s-maj=66.7km s-min=26.9km az=102.0.
ISC IX 13 02 29 07.1–.95 2.50S–.09 142.0E–.20 35 3.9b 10 16-145
IDC IX 13 02 29 00.9–1.3 2.45S 142.24E 0 4.1,3.9b ¶11910154
ISCJB IX 13 02 29 05.1–.99 2.49S–.09 142.0E–.30 33 3.9b,3.9b
NEIC IX 13 02 29 07.2–.70 2.46S 141.98E 35 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=53.2km s-min=21.0km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=36.6km s-min=12.9km az=6.8.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=11.8km az=95.0.
ISC IX 13 09 13 19.5–1.1 2.6S–.10 142.3E–.20 35 3.6b 10 14-84
IDC IX 13 09 13 14.0–1.3 2.54S 142.42E 0 3.9L,3.9 ¶11910170
ISCJB IX 13 09 13 17.6–1.1 2.6S–.10 142.3E–.20 33 3.6b,3.9
NEIC IX 13 09 13 19.5–.94 2.61S 142.29E 35 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=53.5km s-min=22.2km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=15.7km az=11.3.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=14.1km az=103.0.
IDC IX 15 00 59 36.6–1.7 2.28S 141.85E 0 3.9,3.6L

¶11910300

IDC Error ellipse: s-maj=112.9km s-min=27.7km az=117.0.
ISC IX 15 03 25 04.2–2.4 4.6S–.10 144.5E–.10 81–26 3.8b 18 5-85
ISCJB IX 15 03 25 01.9–2.8 4.6S–.10 144.5E–.10 74–28 3.8b ¶11910308
NEIC IX 15 03 25 04.7–1.9 4.62S 144.46E 85–19 4.0b
IDC IX 15 03 25 06.6–1.1 4.64S 144.59E 108–8 3.6,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=17.4km az=1.9.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=12.6km az=143.0.
IDC Error ellipse: s-maj=38.0km s-min=15.0km az=104.0.
ISC IX 17 13 20 59.0–.67 3.55S–.06 145.6E–.10 35 4.1b,3.6s 28 6-143
IDC IX 17 13 20 54.6–1.1 3.34S 145.25E 0 4.4L,4.4 ¶11910476
GCMT IX 17 13 20 57.8–.40 3.39S 145.86E 19–2 4.8W,4.4
ISCJB IX 17 13 20 57.0–.67 3.47S–.06 145.5E–.10 33 4.1b,3.6s
NEIC IX 17 13 20 59.4–.68 3.49S 145.50E 35 4.3b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=12.8km az=104.0.
GCMT Event type se. Data Used: II G IC IU CN. Moment Tensor Solution. s11,c13; s54,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.13 $M_{\theta\theta}$0.23±.09; $M_{\phi\phi}$-0.08±.10; $M_{r\theta}$0.09±.19; $M_{\theta\phi}$1.69±.08; $M_{\phi r}$0.37±.20; Best double couple: NP1:ϕ_s93.00000°,δ78.00000°,λ1.00000°. NP2:ϕ_s3.00000°,δ89.00000°,λ168.00000°. Principal axes: T 1.8200,Plg9.0000° ,Azm317.0000°; N -0.1700,Plg78.0000°,Azm180.0000°; P -1.6500,Plg8.0000°,Azm48.0000° $M_0$1.70000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=9.1km az=5.8.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=9.5km az=92.0.
IDC IX 19 18 11 38.8–5.0 4.88S 144.09E 0 3.8,3.7L

¶11910641

IDC Error ellipse: s-maj=133.6km s-min=30.8km az=92.0.
ISC IX 29 21 03 17.1–1.9 3.28S–.09 143.0E–.10 48–23 3.8b 18 7-85
IDC IX 29 21 03 10.4–1.6 3.14S 143.12E 0 3.9,3.8L ¶11911398
ISCJB IX 29 21 03 14.7–2.5 3.29S–.09 143.0E–.10 42–28 3.8b,3.8L
NEIC IX 29 21 03 17.3–1.5 3.27S 143.04E 50–18 4.0b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=50.0km s-min=23.8km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=13.0km az=24.3.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.2km az=116.0.
IDC X 13 20 01 42.3–1.9 3.75S 142.52E 0 3.9,3.7L

¶12068572

IDC Error ellipse: s-maj=292.4km s-min=32.2km az=113.0.
IDC X 16 07 54 12.8–1.6 2.85S 141.86E 0 3.9,3.8L

¶12068745

IDC Error ellipse: s-maj=138.8km s-min=26.1km az=109.0.
IDC X 16 08 08 03.4–1.5 2.97S 142.04E 0 4.1,3.9L

¶12068750

IDC Error ellipse: s-maj=62.4km s-min=14.1km az=102.0.
IDC X 18 08 37 56.7–1.8 3.59S 142.15E 0 3.6,3.4

¶12068964

IDC Error ellipse: s-maj=307.7km s-min=31.3km az=113.0.
ISC X 24 05 19 36.6–3.6 3.7S–.20 145.4E–.20 77–33 3.9b 20 10-94
IDC X 24 05 19 26.4–1.3 3.37S 145.45E 0 4.3,4.2L ¶12070958
NEIC X 24 05 19 32.4–1.1 3.49S 145.49E 35 4.5b,4.2L
ISCJB X 24 05 19 34.1–4.9 3.6S–.20 145.5E–.20 69–43 3.9b,4.2L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 24 10 45 39.9–1.0 3.4S–.10 143.7E–.20 35 3.4b,3.3s 14 7-98
IDC X 24 10 45 34.7–1.5 3.33S 143.65E 0 3.8,3.6 ¶12070973
NEIC X 24 10 45 36.1–.90 3.31S 143.69E 10 3.4b,3.6
ISCJB X 24 10 45 38.3–1.0 3.5S–.10 143.8E–.10 33 3.4b,3.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 24 20 57 58.0–9.5 3.04S 142.41E 0 3.7L,3.6

¶12071023

IDC Error ellipse: s-maj=348.6km s-min=29.6km az=92.0.
ISC X 28 15 51 26.5–1.6 3.86S–.08 145.97E–.08 44–15 4.5b 67 6-85
IDC X 28 15 51 20.2–.88 3.73S 145.74E 0 5.4s,5.4 ¶12071343
ISCJB X 28 15 51 23.8–1.9 3.81S–.08 146.01E–.09 37–18 4.5b,5.4
NEIC X 28 15 51 25.8–.50 3.80S 145.79E 35 4.8b,5.4
DJA X 28 15 51 35 4.13S 145.34E 43 4.8b,5.4
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=15.1km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=13.4km az=160.7.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.2km az=89.0.
ISC X 28 16 00 03.8–.93 3.54S–.03 145.88E–.03 20–5 5.9s,5.4b 350 5-171
IDC X 28 15 59 59.8–.44 3.37S 145.79E 0 5.9s,5.8 ¶11374829
ISCJB X 28 16 00 00.3–.83 3.53S–.03 145.87E–.03 8–5 5.9s,5.4b
BJI X 28 16 00 01.0 3.77S 145.91E 23 5.9s,5.8b
NEIC X 28 16 00 03.2–4.0 3.49S 145.87E 18–24 6.0W,5.9s
MOS X 28 16 00 03.9–1.7 3.47S 145.83E 33 5.7s,5.6b
GCMT X 28 16 00 07.5–.10 3.36S 145.82E 12 6.0W,5.6b
DJA X 28 16 00 08 3.82S 145.78E 49 5.6b,5.6b
ISC Event type ke.
IDC Error ellipse: s-maj=16.2km s-min=12.0km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.1km az=44.3.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.3km az=71.0. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s86.00000°,δ78.00000°,λ1.00000°. NP2:ϕ_s355.00000°,δ89.00000° ,λ168.00000°. Principal axes: T 0.8500,Plg9.0000°,Azm309.0000°; N 0.3400,Plg78.0000° ,Azm169.0000°; P -1.1800,Plg7.0000°,Azm41.0000° $M_0$1.00000×10^{18}
MOS Error ellipse: s-maj=9.8km s-min=5.5km az=103.7.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=120, comp=264, per= 50. Moment Tensor Solution. s111,c224; s97,c156; Moment tensor: Scale 10^{18}Nm; M_{rr}0.05±.01 $M_{\theta\theta}$-0.30±.01; $M_{\phi\phi}$0.26±.01; $M_{r\theta}$0.00±.02; $M_{\theta\phi}$1.32±.01; $M_{\phi r}$-0.11±.02; Best double couple: NP1:ϕ_s264.00000°,δ85.00000°,λ1.00000°. NP2:ϕ_s174.00000°,δ89.00000°,λ175.00000°. Principal axes: T 1.3300,Plg4.0000°,Azm129.0000°; N 0.0400,Plg85.0000°,Azm344.0000° ; P -1.3700,Plg3.0000°,Azm219.0000° $M_0$1.40000×10^{18}
IDC X 29 02 50 02.2–1.7 3.06S 142.36E 0 3.7,3.5

¶12071413

IDC Error ellipse: s-maj=122.1km s-min=27.7km az=118.0.
ISC X 29 02 50 36.3–.86 3.21S–.08 142.1E–.20 35 4.0b 24 13-147
IDC X 29 02 50 28.3–1.0 3.12S 142.84E 0 4.2,4.0b ¶12071414
NEIC X 29 02 50 35.2–.46 3.20S 142.36E 35 4.4b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=17.7km az=97.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=7.5km az=102.0.
IDC X 30 02 57 52.8–1.8 3.84S 142.29E 0 4.3L,4.2

¶12071586

IDC Error ellipse: s-maj=102.7km s-min=28.6km az=120.0.
ISC X 30 18 25 31.1–4.2 4.9S–.20 145.4E–.30 148–51 3.4b 19 5-85
ISCJB X 30 18 25 28.8–4.3 4.8S–.20 145.3E–.20 139–49 3.4b ¶12071653
NEIC X 30 18 25 29.7–3.5 4.75S 145.25E 128–43 3.7b
IDC X 30 18 25 30.2–5.5 4.85S 145.39E 139–64 3.3,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=44.7km s-min=22.0km az=43.1.
NEIC Event type se. Error ellipse: s-maj=47.0km s-min=14.2km az=128.0.
IDC Error ellipse: s-maj=53.6km s-min=23.5km az=132.0.
IDC XI 12 03 14 09.1–1.7 2.40S 141.14E 0 3.8,3.5

¶12073260

IDC Error ellipse: s-maj=132.8km s-min=28.4km az=111.0.
ISC XI 12 10 47 53.2–.92 3.23S–.09 142.6E–.10 35 3.8b 19 8-147
IDC XI 12 10 47 47.6–1.2 3.16S 142.67E 0 3.9,3.8b ¶12073289
NEIC XI 12 10 47 49.3–.71 3.15S 142.56E 10 4.0b,3.8b
ISCJB XI 12 10 47 51.2–.94 3.3S–.10 142.6E–.10 33 3.8b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 13 04 34 19.9–.96 3.4S–.10 143.0E–.20 35 3.9b 17 19-148
IDC XI 13 04 34 14.4–1.1 3.32S 143.07E 0 4.1,4.0L ¶12073377
ISCJB XI 13 04 34 18.0–.96 3.4S–.10 143.0E–.20 33 3.9b,4.0L
NEIC XI 13 04 34 19.8–.75 3.35S 143.02E 35 3.8b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=22.8km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=35.7km s-min=15.9km az=16.9.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=13.5km az=105.0.
ISC XI 17 03 53 09.9–.95 3.83S–.04 145.37E–.06 88–8 4.6b 131 5-143
IDC XI 17 03 52 57.8–.84 3.54S 145.39E 0 4.5,4.4b ¶11456704
MOS XI 17 03 53 04.1–2.1 3.70S 145.04E 42 4.9b,4.4b
NEIC XI 17 03 53 08.4–2.0 3.73S 145.39E 86–20 4.8b,4.4b
BJI XI 17 03 53 09.3 3.16S 144.97E 47 5.1b,4.9b
ISCJB XI 17 03 53 10.7–1.2 3.93S–.06 145.27E–.06 107–10 4.6b,4.9b
DJA XI 17 03 53 14 3.65S 145.13E 102 4.7b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=15.1km az=103.0.
MOS Error ellipse: s-maj=16.8km s-min=8.5km az=95.4.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=12.6km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.9km az=155.6.
IDC XI 17 04 00 32.8–1.9 3.33S 145.06E 0 4.0,3.8L

¶12073817

IDC Error ellipse: s-maj=129.7km s-min=28.3km az=122.0.
ISC XI 17 07 33 39.0–1.3 3.8S–.20 145.8E–.40 35 3.5b 12 20-84
IDC XI 17 07 33 33.7–1.6 3.77S 145.78E 0 3.9,3.7 ¶12073833
ISCJB XI 17 07 33 37.3–1.3 3.9S–.20 145.9E–.30 33 3.5b,3.7
NEIC XI 17 07 33 39.0–1.4 3.79S 145.83E 35 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=83.0km s-min=27.4km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=56.3km s-min=20.2km az=30.9.
NEIC Event type se. Error ellipse: s-maj=59.7km s-min=20.9km az=120.0.
ISC XI 22 09 36 05.2–2.8 4.7S–.20 145.7E–.20 80–26 3.8b 19 5-85
IDC XI 22 09 35 54.6–1.6 4.28S 145.41E 0 3.9,3.8 ¶12074487
ISCJB XI 22 09 36 04.4–3.0 4.8S–.20 145.7E–.20 84–28 3.8b,3.8
NEIC XI 22 09 36 05.6–2.7 4.72S 145.72E 82–26 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=25.2km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=27.3km s-min=23.6km az=141.2.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=22.2km az=135.0.
ISC XI 23 06 58 43.9–.54 3.43S–.05 145.63E–.09 35 4.0b,3.7s 38 6-90
IDC XI 23 06 58 38.6–.94 3.45S 145.72E 0 4.3,4.2L ¶12074568
NEIC XI 23 06 58 40.4–.62 3.42S 145.72E 10 4.7b,4.2L
ISCJB XI 23 06 58 41.8–.54 3.43S–.05 145.68E–.09 33 4.0b,3.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 28 18 49 28.9–2.8 4.4S–.10 144.0E–.20 86–28 3.7b 28 6-149
NEIC XI 28 18 49 25.2–2.1 4.41S 144.27E 58–21 3.9b ¶12075164
ISCJB XI 28 18 49 26.2–3.3 4.4S–.10 144.0E–.20 75–31 3.7b
IDC XI 28 18 49 28.7–3.6 4.41S 144.07E 84–34 3.7,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=11.2km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=27.8km s-min=17.8km az=23.5.
IDC Error ellipse: s-maj=29.6km s-min=18.4km az=105.0.
ISC XII 05 19 14 36.9–5.8 3.24S–.09 142.2E–.10 34–44 3.7b,3.1s 25 8-85
IDC XII 05 19 14 31.6–1.3 3.17S 142.19E 0 3.8,3.7 ¶12075917
ISCJB XII 05 19 14 34.8–.63 3.21S–.07 142.3E–.10 33 3.7b,3.1s
NEIC XII 05 19 14 37.0–.58 3.24S 142.22E 35 4.1b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=49.5km s-min=11.3km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=9.7km az=8.8.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.1km az=92.0.
IDC XII 21 10 04 18.3–2.5 3.85S 145.76E 0 4.2,4.0

¶12078442

IDC Error ellipse: s-maj=63.8km s-min=27.7km az=90.0.
IDC XII 22 17 16 28.4–8.2 4.86S 144.66E 94–82 3.2,3.1

¶12078578

IDC Error ellipse: s-maj=62.0km s-min=33.2km az=145.0.
IDC XII 24 22 11 18.3–2.8 2.45S 141.22E 0 4.0b,4.0
¶12078862

IDC Error ellipse: s-maj=119.4km s-min=30.6km az=82.0.

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ISC VII 02 22 25 48.2–.66 2.09S–.03 138.92E–.03 27–4 5.0b,4.0s 177 0-151
IDC VII 02 22 25 43.8–.54 2.11S 138.90E 0 4.7,4.7 ¶11006865
BJI VII 02 22 25 44.9 2.32S 139.19E 34 4.9b,4.9b
DJA VII 02 22 25 47 1.97S 138.95E 16 4.9b,4.9b
ISCJB VII 02 22 25 47.1–.62 2.12S–.03 138.89E–.03 32–4 5.0b,4.0s
MOS VII 02 22 25 47.2–1.0 2.09S 138.84E 33 5.1b,4.0s
NEIC VII 02 22 25 48.4–2.8 2.10S 138.81E 28–20 4.9b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=10.2km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.6km az=145.4.
MOS Error ellipse: s-maj=13.2km s-min=6.9km az=108.3.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.2km az=62.0.
ISC VII 05 10 26 07.5–3.3 2.95S–.06 138.15E–.10 24–24 4.3b 24 11-148
IDC VII 05 10 26 04.6–1.1 2.99S 137.69E 0 4.3,4.2b ¶11810690
NEIC VII 05 10 26 06.1–.80 2.94S 137.96E 10 4.4b,4.2b
ISCJB VII 05 10 26 07.7–2.9 3.07S–.07 138.2E–.10 43–28 4.3b,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 05 20 17 03.0–2.7 2.17S 138.61E 0 3.9L,3.9
¶12698029
IDC Error ellipse: s-maj=117.7km s-min=26.9km az=81.0.
ISC VII 06 04 25 48.2–1.5 2.1S–.10 138.94E–.07 16–11 3.5b 9 0-79
ISCJB VII 06 04 25 47.9–1.2 2.1S–.10 138.89E–.06 26–11 3.5b ¶12698035
IDC VII 06 04 25 47.6–4.1 2.18S 138.18E 0 3.8L,3.8
DJA VII 06 04 25 47 1.95S 138.98E 11 3.7,3.8
ISCJB Error ellipse: s-maj=19.5km s-min=10.5km az=9.2.
IDC Error ellipse: s-maj=180.7km s-min=25.6km az=86.0.
IDC VII 07 09 04 34.6–4.5 2.40S 138.85E 0 3.7L,3.6
¶12698054
IDC Error ellipse: s-maj=182.6km s-min=28.9km az=87.0.
IDC VII 09 04 44 48.9–3.9 2.85S 138.86E 0 4.0,3.8L
¶12698093
IDC Error ellipse: s-maj=131.2km s-min=27.6km az=90.0.
ISC VII 09 05 04 28.4–1.2 3.1S–.10 136.6E–.20 35 3.9b 7 10-149
IDC VII 09 05 04 23.2–1.4 3.04S 136.58E 0 4.2,4.1L ¶11811055
NEIC VII 09 05 04 24.8–.73 3.05S 136.55E 10 4.2,4.1L
ISCJB VII 09 05 04 26.1–1.2 3.1S–.10 136.6E–.20 33 3.9b,4.1L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 18 22 50 53.0–1.5 2.89S–.06 138.81E–.08 64–15 4.6b 51 11-147
IDC VII 18 22 50 45.0–.62 2.63S 139.03E 0 4.6,4.5 ¶11480046
BJI VII 18 22 50 45.5 2.70S 138.90E 20 5.1b,4.8b
ISCJB VII 18 22 50 49.2–1.9 2.80S–.05 138.86E–.08 43–17 4.6b,3.7s
NEIC VII 18 22 50 50.6–1.5 2.72S 138.90E 40–14 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=13.6km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=7.8km az=8.9.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.4km az=61.0.
IDC VII 19 00 28 45.3–5.8 2.68S 138.93E 0 3.5,3.4
¶12698298
IDC Error ellipse: s-maj=233.6km s-min=32.7km az=85.0.
ISC VII 21 09 09 04.7–.73 4.40S–.08 137.8E–.10 35 4.2b,4.0s 22 10-147
IDC VII 21 09 08 59.8–1.0 4.32S 137.92E 0 4.6L,4.3 ¶11812254
NEIC VII 21 09 09 00.9–.59 4.32S 137.87E 10 4.0b,4.3
ISCJB VII 21 09 09 02.8–.74 4.43S–.08 137.8E–.10 33 4.2b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 31 00 04 35.8–3.4 2.99S–.05 138.59E–.08 15–21 4.2b,3.4s 50 11-147
IDC VII 31 00 04 33.2–.85 2.93S 138.73E 0 4.3,4.1 ¶11812977
ISCJB VII 31 00 04 34.2–3.5 3.03S–.06 138.56E–.08 16–26 4.2b,3.4s
NEIC VII 31 00 04 37.0–2.5 2.99S 138.60E 23–18 4.5b,3.4s
DJA VII 31 00 04 38 2.95S 138.49E 30 4.9b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=18.1km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.9km az=16.4.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.1km az=61.0.
IDC VIII 06 06 13 36.6–1.4 3.27S 139.38E 0 4.1,3.9b
¶12580939
IDC Error ellipse: s-maj=90.6km s-min=28.6km az=117.0.
ISC VIII 06 21 08 14.3–1.5 3.03S–.07 140.72E–.08 47–17 4.1b 24 9-85
ISCJB VIII 06 21 08 11.3–2.1 3.02S–.07 140.71E–.09 36–22 4.1b ¶11907833
IDC VIII 06 21 08 11.2–1.5 2.33S 140.14E 0 3.8,3.7
NEIC VIII 06 21 08 13.2–.38 3.01S 140.68E 35 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=9.2km az=28.5.
IDC Error ellipse: s-maj=51.1km s-min=29.4km az=92.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.3km az=90.0.
IDC VIII 13 04 19 34.2–1.5 3.02S 140.70E 0 3.7,3.7
¶12581043
IDC Error ellipse: s-maj=69.3km s-min=31.2km az=79.0.
IDC VIII 17 20 38 43.6–5.1 2.65S 138.92E 0 3.5L,3.4
¶12581161
IDC Error ellipse: s-maj=204.1km s-min=32.3km az=87.0.
NEIC VIII 24 20 08 44.0–.95 3.37S 137.70E 35 3.9b
IDC VIII 24 20 08 38.6–1.3 3.35S 137.78E 0 4.2,4.1L ¶11908708
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=14.5km az=87.0.
IDC Error ellipse: s-maj=60.1km s-min=24.8km az=84.0.
ISC VIII 25 04 05 25.0–1.0 4.59S–.08 138.9E–.20 35 4.0b 10 16-146
IDC VIII 25 04 05 21.1–1.2 4.68S 138.71E 0 4.3,4.1b ¶11908733
NEIC VIII 25 04 05 25.0–.78 4.41S 139.10E 35 4.2b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=40.1km s-min=15.2km az=89.0.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=16.8km az=74.0.
IDC VIII 25 12 16 09.9–2.4 5.37S 140.19E 0 3.8b,3.8
¶12581377
IDC Error ellipse: s-maj=67.8km s-min=29.4km az=86.0.
IDC VIII 26 08 41 59.0–1.5 4.61S 137.39E 0 4.2,4.0
¶12581431
IDC Error ellipse: s-maj=53.0km s-min=33.1km az=85.0.
IDC VIII 28 10 50 28.4–3.0 3.95S 139.77E 0 4.2L,4.1
¶12581499
IDC Error ellipse: s-maj=90.5km s-min=28.8km az=92.0.
ISC VIII 29 05 15 41.1–1.8 3.39S–.08 139.6E–.10 89–17 3.8b 19 11-86
IDC VIII 29 05 15 29.1–1.1 3.18S 140.09E 0 4.2,4.1L ¶11265380
ISCJB VIII 29 05 15 38.3–2.4 3.34S–.08 139.6E–.10 78–23 3.8b,4.1L
NEIC VIII 29 05 15 39.0–2.8 3.27S 139.74E 73–26 4.1b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=18.1km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=12.4km az=11.4.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=17.2km az=56.0.
NEIC VIII 30 17 22 32.3–.96 2.46S 138.81E 10
IDC VIII 30 17 22 30.6–1.5 2.44S 138.89E 0 4.2L,4.0 ¶11909126
NEIC Event type se. Error ellipse: s-maj=40.9km s-min=12.8km az=100.0.
IDC Error ellipse: s-maj=64.2km s-min=23.4km az=103.0.
ISC IX 04 22 56 56.1–.64 4.42S–.03 137.60E–.04 37–6 4.7b,3.8s 95 4-147
BJI IX 04 22 56 47.2 4.98S 137.79E 12 5.0b,4.6b ¶11232483
IDC IX 04 22 56 50.4–.74 4.28S 137.63E 0 4.5,4.5L
NEIC IX 04 22 56 52.6–4.1 4.40S 137.46E 12–26 4.7b,4.5L
ISCJB IX 04 22 56 53.5–.86 4.47S–.03 137.61E–.04 33–8 4.7b,3.8s
DJA IX 04 22 56 54 4.37S 137.65E 10 5.1b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=14.2km az=82.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.1km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.4km az=162.3.
ISC IX 11 05 06 07.3–1.1 2.77S–.06 138.99E–.08 66–11 4.0b 26 3-147
IDC IX 11 05 05 58.3–.94 2.53S 139.17E 0 4.6L,4.3 ¶11910028
NEIC IX 11 05 06 05.0–1.6 2.61S 139.00E 46–15 4.3b,4.3
ISCJB IX 11 05 06 05.2–1.3 2.74S–.06 139.06E–.08 66–13 4.0b,4.3
DJA IX 11 05 06 11 2.76S 138.73E 73 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=43.2km s-min=18.9km az=91.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.6km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=9.3km az=151.3.
IDC IX 17 13 42 36.2–1.9 4.15S 139.40E 0 4.1,3.9L
¶11910477
IDC Error ellipse: s-maj=201.9km s-min=31.7km az=108.0.
IDC IX 19 11 31 04.0–1.6 3.26S 139.67E 0 4.3,4.2L
¶11910620
IDC Error ellipse: s-maj=78.8km s-min=28.0km az=99.0.
IDC IX 20 02 08 07.4–8.4 4.33S 140.94E 0 3.8L,3.8
¶11910680
IDC Error ellipse: s-maj=317.3km s-min=32.5km az=91.0.
ISC IX 21 11 15 28.5–2.3 2.03S–.08 137.2E–.20 44–20 4.0b,3.5s 20 1-149
IDC IX 21 11 15 20.4–1.2 1.89S 137.70E 0 4.4,4.3L ¶11910762
DJA IX 21 11 15 25 1.89S 137.42E 10 4.7b,4.3L
ISCJB IX 21 11 15 27.7–2.2 2.04S–.08 137.3E–.20 56–19 4.0b,3.5s
ISC IX 21 12 48 02.0–.28 3.13S–.03 139.01E–.05 39 4.5b,4.0s 119 3-147
IDC IX 21 12 47 55.8–.68 3.09S 139.03E 0 4.8L,4.6 ¶11282361
BJI IX 21 12 47 58.8 3.40S 139.29E 46 4.9b,4.7b
MOS IX 21 12 47 59.7–1.1 3.04S 138.82E 33 5.0b,4.7b
ISCJB IX 21 12 47 59.9–.28 3.14S–.03 139.02E–.05 36 4.5b,4.0s
TEH IX 21 12 48 02.0 3.06S 138.84E 40 4.5b,4.0s
NEIC IX 21 12 48 02.3–1.7 3.07S 138.85E 41–17 4.7b,4.0s
DJA IX 21 12 48 03 3.24S 138.77E 13 4.9b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=14.2km az=91.0.
MOS Error ellipse: s-maj=15.9km s-min=8.0km az=105.8.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.8km az=170.8.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.8km az=98.0.
IDC IX 22 03 08 30.2–1.5 3.22S 136.22E 0 3.7,3.6
¶11910805
IDC Error ellipse: s-maj=63.4km s-min=25.9km az=97.0.
IDC IX 23 13 17 55.2–1.7 4.47S 138.40E 0 4.2,4.0L
¶11910888
IDC Error ellipse: s-maj=104.7km s-min=28.8km az=114.0.
IDC IX 30 23 57 47.6–3.5 3.93S 138.65E 0 3.7,3.6L
¶11911506
IDC Error ellipse: s-maj=114.3km s-min=28.6km az=91.0.
ISC X 02 17 46 48.0–1.9 3.78S–.09 138.1E–.10 91–18 3.6b 30 10-147
IDC X 02 17 46 36.9–.93 3.48S 138.26E 0 4.3,4.1L ¶11911731
NEIC X 02 17 46 45.4–2.4 3.64S 138.08E 64–23 4.4b,4.1L
ISCJB X 02 17 46 48.4–3.2 3.9S–.10 138.0E–.10 110–31 3.6b,4.1L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 04 11 00 16.5–1.9 4.56S 140.27E 0 3.7b,3.7
¶12065894
IDC Error ellipse: s-maj=182.7km s-min=32.5km az=110.0.
ISC X 07 05 28 06.3–.89 2.89S–.05 138.41E–.06 58–7 4.5b,3.8s 83 3-151
IDC X 07 05 27 57.8–.70 2.81S 138.46E 0 4.3,4.2 ¶11331887
BJI X 07 05 28 00.7 3.14S 138.42E 35 4.8b,4.6b
ISCJB X 07 05 28 04.1–.89 2.82S–.04 138.40E–.05 49–8 4.5b,3.8s
NEIC X 07 05 28 04.7–.41 2.83S 138.17E 35 4.6b,3.8s
DJA X 07 05 28 07 2.79S 138.38E 43 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=11.7km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.6km az=147.5.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.9km az=67.0.
ISC X 07 14 14 48.0–.89 3.7S–.10 140.2E–.10 35 4.1b,2.9s 17 17-146
IDC X 07 14 14 42.9–.84 3.58S 140.24E 0 4.1,4.0 ¶12066263
ISCJB X 07 14 14 46.0–.89 3.7S–.10 140.1E–.10 33 4.1b,2.9s
NEIC X 07 14 14 48.0–.57 3.65S 140.18E 35 4.3b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=20.1km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=14.8km az=164.7.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=12.0km az=73.0.
ISC X 10 08 29 33.9–1.5 2.07S–.07 138.9E–.10 63–13 4.2b 50 3-150
IDC X 10 08 29 25.5–.68 1.96S 139.05E 0 4.4,4.4L ¶12066492
ISCJB X 10 08 29 33.0–1.8 2.10S–.06 138.9E–.10 72–16 4.1b,4.4L
NEIC X 10 08 29 34.9–2.5 2.07S 138.91E 72–22 4.3b,4.4L
DJA X 10 08 29 34 2.10S 138.82E 33 4.7b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=12.3km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=9.0km az=166.1.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=13.1km az=69.0.
ISC X 12 10 24 51.6–.97 2.33S–.05 138.45E–.05 28–8 4.3b,3.9s 57 0-88
IDC X 12 10 24 47.4–.82 2.43S 138.12E 0 4.2L,4.2 ¶12068456
ISCJB X 12 10 24 50.3–.91 2.34S–.05 138.45E–.05 33–8 4.3b,3.9s
DJA X 12 10 24 51 2.19S 138.43E 19 4.8b,3.9s
NEIC X 12 10 24 52.5–1.5 2.36S 138.25E 35–14 4.8b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=11.7km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.8km az=139.2.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.3km az=84.0.
ISC X 19 23 29 15.6–.62 3.61S–.04 140.10E–.04 71–5 4.6b 141 1-146
BJI X 19 23 29 12.6 3.61S 140.32E 79 5.0b,4.7s ¶11360292
IDC X 19 23 29 13.2–.50 3.37S 140.19E 56–4 4.3s,4.3
ISCJB X 19 23 29 13.6–.66 3.62S–.03 140.11E–.04 70–6 4.6b,4.3
NEIC X 19 23 29 14.8–.81 3.56S 140.00E 63–8 4.7b,4.3
GCMT X 19 23 29 14.1–.20 3.29S 140.27E 56–1 5.0W,4.3
DJA X 19 23 29 16.4–.50 4S–5.0 140E–5.0 56–5 5.4b,5.3
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Genyem.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s60,c80; s71,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}3.17±.15 $M_{\theta\theta}$-4.30±.11; $M_{\phi\phi}$1.13±.14; $M_{r\theta}$-2.39±.10; $M_{\theta\phi}$0.82±.09; $M_{\phi r}$-0.12±.10; Best double couple: NP1:ϕ_s110.00000°,δ30.00000°,λ108.00000°. NP2:ϕ_s270.00000°,δ62.00000°,λ80.00000°. Principal axes: T 3.9100,Plg72.0000° ,Azm156.0000°; N 1.1800,Plg9.0000°,Azm275.0000°; P -5.0900,Plg16.0000°,Azm7.0000° M_o4.50000×10^{16}
ISC X 21 03 57 50.3–1.3 3.61S–.06 140.23E–.10 67–11 4.0b 34 2-146
IDC X 21 03 57 41.2–1.2 3.38S 140.41E 0 4.4,4.4L ¶12070716
NEIC X 21 03 57 48.4–2.7 3.51S 140.14E 50–24 4.4b,4.4L
DJA X 21 03 57 50 3.47S 140.23E 81 4.5,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=26.8km az=89.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=16.8km az=47.0.
IDC X 22 03 26 41.9–1.8 3.56S 139.53E 0 4.2,4.1b
¶12070773
IDC Error ellipse: s-maj=56.3km s-min=17.7km az=125.0.
ISC X 25 04 08 27.6–.76 2.97S–.04 138.05E–.06 36–9 4.0b,4.0s 39 1-148
IDC X 25 04 08 22.0–1.0 2.83S 138.31E 0 4.1,4.0b ¶12071056
ISCJB X 25 04 08 25.9–.85 3.00S–.04 138.06E–.06 38–10 4.0b,4.0s
DJA X 25 04 08 27 2.76S 138.09E 19 4.1,4.0s
NEIC X 25 04 08 28.3–1.7 2.94S 138.05E 42–17 4.3b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=20.2km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.2km az=164.9.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=11.9km az=45.0.
IDC X 25 06 36 05.4–9.0 2.84S 138.24E 0 3.5,3.4
¶12071060
IDC Error ellipse: s-maj=390.5km s-min=32.4km az=85.0.
ISC X 26 00 51 36.5–.89 2.10S–.10 138.89E–.06 22–6 3.5b 17 0-79

IDC X 26 00 51 31.1–2.4 2.02S 139.30E 0 4.1L,3.9 ¶12071116
DJA X 26 00 51 34 1.77S 138.96E 8 3.9,3.9
ISCJB X 26 00 51 35.7–.81 2.14S–.10 138.85E–.06 28–6 3.5b,3.9
DJA X 29 14 28 32 3.77S 140.63E 15 4.1
¶12922908
ISC X 29 18 34 22.6–.87 3.78S–.06 140.27E–.06 63–9 4.0b 52 1-146
IDC X 29 18 34 13.7–1.0 3.58S 140.43E 0 4.6L,4.5 ¶12071515
DJA X 29 18 34 19 3.61S 140.40E 17 4.7b,4.5
ISCJB X 29 18 34 20.5–.99 3.82S–.05 140.27E–.06 57–10 4.1s,4.0b
NEIC X 29 18 34 21.5–2.1 3.76S 140.20E 52–19 4.9b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=22.4km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.9km az=139.2.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=14.2km az=201.0.
IDC XI 03 16 13 19.8–1.9 4.57S 140.20E 0 4.0,3.7b
¶12072139
IDC Error ellipse: s-maj=166.6km s-min=32.4km az=110.0.
IDC XI 09 01 22 05.8–1.7 2.70S 138.84E 0 3.8L,3.7
¶12072902
IDC Error ellipse: s-maj=125.0km s-min=28.0km az=112.0.
ISC XI 10 00 57 23.8–1.4 3.60S–.05 139.92E–.07 38–14 4.0b,3.7s 51 9-146
IDC XI 10 00 57 18.1–.72 3.49S 139.94E 0 4.4,4.3 ¶12073013
ISCJB XI 10 00 57 21.3–.40 3.60S–.04 139.99E–.06 33 4.0b,3.7s
NEIC XI 10 00 57 23.4–1.0 3.52S 139.91E 35–10 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=16.4km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.3km az=173.7.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.6km az=94.0.
ISC XI 11 20 23 59.9–1.2 3.08S–.07 137.0E–.30 35 3.3b 20 17-71
IDC XI 11 20 23 56.2–2.1 2.87S 136.69E 0 3.8,3.7 ¶12073218
NEIC XI 11 20 23 59.5–1.2 2.98S 137.15E 35 3.5b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=81.8km s-min=22.4km az=89.0.
NEIC Event type se. Error ellipse: s-maj=50.9km s-min=11.9km az=86.0.
IDC XI 11 20 51 03.6–2.7 2.75S 137.01E 0 3.8,3.6L
¶12073227
IDC Error ellipse: s-maj=87.5km s-min=27.0km az=86.0.
ISC XI 14 19 02 25.4–.86 2.89S–.08 138.7E–.20 35 3.7b 21 17-87
IDC XI 14 19 02 19.7–1.1 2.83S 139.06E 0 4.0,3.8 ¶12073547
ISCJB XI 14 19 02 23.5–.86 2.88S–.08 138.7E–.30 33 3.7b,3.8
NEIC XI 14 19 02 24.9–.77 2.88S 138.90E 35 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=21.1km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=37.0km s-min=11.2km az=2.9.
NEIC Event type se. Error ellipse: s-maj=33.6km s-min=10.3km az=93.0.
ISC XI 15 00 55 58.1–2.6 4.09S–.09 137.2E–.30 153–24 3.5b 19 16-88
IDC XI 15 00 55 40.7–1.6 3.77S 137.79E 0 4.2,4.1L ¶12073585
NEIC XI 15 00 55 46.0–1.0 3.57S 137.14E 35 3.9b,4.1L
ISCJB XI 15 00 55 52.9–2.5 3.92S–.09 137.2E–.30 113–22 3.5b,4.1L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 15 10 12 35.6–3.3 3.5S–.10 140.1E–.20 115–36 3.4b 24 11-86
IDC XI 15 10 12 22.0–1.5 3.17S 140.31E 0 4.4L,4.0 ¶12073618
NEIC XI 15 10 12 28.2–.89 3.15S 139.93E 35 4.2b,4.0
ISCJB XI 15 10 12 36.9–3.3 3.6S–.10 140.0E–.20 142–35 3.2b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 16 20 39 51.5–1.5 4.61S 137.21E 0 4.0,3.8b
¶12073783
IDC Error ellipse: s-maj=47.2km s-min=28.4km az=95.0.
IDC XI 18 17 47 47.1–4.0 3.61S 139.38E 0 3.6L,3.6
¶12074026
IDC Error ellipse: s-maj=133.5km s-min=28.5km az=92.0.
IDC XI 18 18 02 48.2–1.6 3.27S 140.60E 0 4.4L,4.3
¶12074030
IDC Error ellipse: s-maj=72.4km s-min=27.0km az=100.0.
ISC XI 19 23 55 38.7–.88 4.95S–.07 137.1E–.10 35 3.9b 21 11-89
IDC XI 19 23 55 33.5–1.6 4.57S 137.31E 0 4.1,3.9b ¶12074210
ISCJB XI 19 23 55 36.7–.88 4.84S–.09 137.1E–.20 33 3.8b,3.9b
NEIC XI 19 23 55 38.7–.66 4.64S 137.25E 35 3.8b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=28.9km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=11.9km az=162.9.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.1km az=64.0.
IDC XI 22 15 13 24.5–1.5 3.23S 139.44E 0 3.9,3.6
¶12074506
IDC Error ellipse: s-maj=71.8km s-min=27.5km az=97.0.
DJA XI 22 16 30 52 3.15S 139.34E 34 3.6
¶12923152
ISC XI 22 18 20 42.1–.61 3.76S–.04 140.13E–.08 86–9 3.4b 37 1-81
IDC XI 22 18 20 34.3–1.4 3.43S 139.85E 0 4.0,3.8 ¶12074527
DJA XI 22 18 20 40 3.80S 140.36E 106 4.3,3.8
NEIC XI 22 18 20 40.0–.68 3.57S 139.96E 55 4.5b,3.8
ISCJB XI 22 18 20 41.1–.67 3.78S–.04 140.15E–.07 93–10 3.4b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 29 01 37 35.3–4.8 4.36S 138.04E 0 4.1b,4.0L
¶12075210
IDC Error ellipse: s-maj=203.6km s-min=30.5km az=85.0.
ISC XII 01 13 25 19.2–.64 3.20S–.05 136.96E–.05 88–8 3.9b 47 2-135
ISCJB XII 01 13 25 17.8–.71 3.17S–.05 136.94E–.05 89–8 3.9b ¶12075413
NEIC XII 01 13 25 17.7–2.7 3.15S 136.87E 70–30 4.0b
DJA XII 01 13 25 19 3.00S 136.92E 90 4.3
IDC XII 01 13 25 20.2–5.1 3.14S 136.95E 92–54 4.0L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.5km az=136.3.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=11.8km az=117.0.
IDC Error ellipse: s-maj=33.2km s-min=24.8km az=115.0.
ISC XII 05 17 56 17.0–.48 4.92S–.05 139.24E–.08 35 4.0b 48 9-145
IDC XII 05 17 56 12.4–.98 4.73S 139.46E 0 4.4L,4.2 ¶12075909
NEIC XII 05 17 56 13.5–.55 4.76S 139.31E 10 4.3b,4.2
ISCJB XII 05 17 56 14.9–.47 4.87S–.05 139.41E–.08 33 4.0b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 07 05 41 57.1–.97 3.04S–.06 139.4E–.10 124–7 3.8b 37 1-147
NEIC XII 07 05 41 49.6–.83 2.82S 139.25E 35 3.9b ¶12076115
ISCJB XII 07 05 41 53.8–.92 2.92S–.05 139.6E–.10 110–7 3.8b
DJA XII 07 05 41 54 2.82S 139.65E 14 4.5
IDC XII 07 05 42 01.1–3.4 3.00S 139.29E 160–32 3.7,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=10.9km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=8.4km az=174.3.
IDC Error ellipse: s-maj=25.0km s-min=10.6km az=100.0.
ISC XII 13 11 34 01.0–2.1 3.47S–.07 140.35E–.08 29–21 3.9b 18 1-86
IDC XII 13 11 33 56.1–1.9 3.28S 140.24E 0 4.1,3.8 ¶12077295
ISCJB XII 13 11 33 59.2–1.8 3.57S–.06 140.41E–.07 24–18 3.7b,3.8
DJA XII 13 11 33 59 3.57S 140.52E 30 3.7,3.8
NEIC XII 13 11 34 01.4–1.2 3.46S 140.44E 35 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=98.1km s-min=29.6km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=9.9km az=166.5.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=16.0km az=111.0.
DJA XII 13 11 43 47 3.54S 140.54E 31 3.5
¶12923406
ISC XII 17 18 33 09.1–.95 2.64S–.09 138.5E–.20 35 3.5b 15 12-86
IDC XII 17 18 33 02.7–1.6 2.62S 139.09E 0 3.8,3.7L ¶12077944
ISCJB XII 17 18 33 07.0–.93 2.65S–.09 138.6E–.20 33 3.5b,3.7L
NEIC XII 17 18 33 09.0–.98 2.64S 138.50E 35 3.5b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=61.4km s-min=22.4km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=13.0km az=178.4.
NEIC Event type se. Error ellipse: s-maj=37.9km s-min=13.8km az=86.0.
ISC XII 19 07 53 52.6–1.9 2.47S–.07 138.8E–.10 35–19 4.2b 44 11-136
IDC XII 19 07 53 46.5–.83 2.34S 139.04E 0 4.2,4.1b ¶12078163
NEIC XII 19 07 53 52.3–.49 2.44S 138.90E 35 4.2b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=15.5km az=77.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=7.6km az=74.0.
ISC XII 20 16 24 27.5–1.5 2.90S–.06 138.97E–.09 35–16 4.2b,4.0s 61 10-153
IDC XII 20 16 24 22.1–.58 2.82S 139.12E 0 4.2,4.1b ¶12078350
ISCJB XII 20 16 24 25.3–1.9 2.92S–.05 138.99E–.09 34–18 4.2b,4.0s
NEIC XII 20 16 24 27.3–1.6 2.86S 139.05E 39–15 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=13.6km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=7.7km az=11.2.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.1km az=82.0.
ISC XII 20 16 45 41.6–2.0 3.07S–.08 139.5E–.20 53–21 3.5s,3.5b 34 10-86
IDC XII 20 16 45 34.7–1.1 2.88S 139.43E 0 4.0,3.9 ¶12078354
NEIC XII 20 16 45 39.6–.77 2.96S 139.42E 35 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=19.6km az=86.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=12.1km az=92.0.
ISC XII 23 09 15 38.5–1.4 3.80S–.10 140.5E–.10 60–21 10 1-86
IDC XII 23 09 15 30.7–1.8 3.74S 140.71E 0 4.4L,4.3 ¶12078654
ISCJB XII 23 09 15 37.2–1.5 3.84S–.10 140.5E–.10 62–20 4.4L,4.3
DJA XII 23 09 15 38 3.63S 140.30E 10 4.1,4.3
IDC Error ellipse: s-maj=106.4km s-min=28.9km az=117.0.
ISCJB Error ellipse: s-maj=18.1km s-min=15.4km az=37.9.
DJA XII 25 06 14 14 3.53S 138.65E 51 4.8b
¶12923505
ISC XII 28 06 20 27.6–1.9 4.98S–.08 137.3E–.10 71–19 4.0b 23 11-88
IDC XII 28 06 20 19.1–1.5 4.57S 137.44E 0 4.5L,4.4 ¶12079248
NEIC XII 28 06 20 21.5–1.2 4.74S 137.04E 10 4.5b,4.4
ISCJB XII 28 06 20 26.0–3.4 4.9S–.10 137.2E–.20 70–34 4.0b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 29 05 21 30.7–2.6 2.53S 138.97E 0 3.6,3.4
¶12079357
IDC Error ellipse: s-maj=418.9km s-min=30.2km az=107.0.
IDC XII 30 01 03 31.3–6.0 3.30S 140.82E 0 4.0,3.8
¶12079472
IDC Error ellipse: s-maj=226.0km s-min=31.7km az=89.0.

(202) New Guinea.

ISC VII 07 06 35 06.9–3.1 4.5S–.10 143.5E–.10 103–27 4.2b 19 9-149
ISCJB VII 07 06 35 06.4–3.3 4.5S–.10 143.6E–.10 117–31 4.2b ¶11810856
IDC VII 07 06 35 06.9–1.6 4.42S 143.44E 101–7 4.1,3.9
NEIC VII 07 06 35 07.9–1.0 4.48S 143.41E 100 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=19.1km az=147.1.
IDC Error ellipse: s-maj=55.2km s-min=16.6km az=96.0.
NEIC Event type se. Error ellipse: s-maj=33.4km s-min=14.5km az=98.0.
ISC VII 10 12 26 23.4–.78 6.36S–.06 145.2E–.10 35 4.2b,3.5s 23 8-86
IDC VII 10 12 26 16.2–2.7 6.34S 145.60E 0 4.4,4.2 ¶11811171
ISCJB VII 10 12 26 21.3–.77 6.36S–.06 145.2E–.10 33 4.2b,3.5s
NEIC VII 10 12 26 23.1–9.4 6.30S 145.10E 30–69 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=69.7km s-min=21.8km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=8.4km az=179.6.
NEIC Event type se. Error ellipse: s-maj=32.3km s-min=16.6km az=207.0.
IDC VII 25 04 59 35.0–6.2 3.85S 141.61E 0 3.9,3.9
¶12698426
IDC Error ellipse: s-maj=270.5km s-min=32.3km az=91.0.
IDC VIII 06 19 52 44.2–1.7 4.00S 142.71E 0 4.1,3.9
¶12580944
IDC Error ellipse: s-maj=76.9km s-min=26.3km az=116.0.
ISC VIII 11 06 45 31.4–.70 6.79S–.09 143.4E–.10 35 3.9b,2.7s 12 5-88
IDC VIII 11 06 45 25.5–1.3 6.82S 143.73E 0 4.2,4.1 ¶11908073
NEIC VIII 11 06 45 27.8–.75 6.73S 143.40E 10 4.5b,4.1
ISCJB VIII 11 06 45 29.5–.70 6.81S–.09 143.5E–.10 33 3.9b,2.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 12 14 17 23.5–3.0 4.4S–.20 143.6E–.20 115–36 3.5b 10 6-85
IDC VIII 12 14 17 09.6–1.8 4.34S 143.85E 0 3.9,3.8 ¶11908115
ISCJB VIII 12 14 17 21.5–3.5 4.3S–.20 143.6E–.20 107–39 3.5b,3.8
NEIC VIII 12 14 17 22.4–3.6 4.30S 143.59E 102–38 3.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=63.8km s-min=14.6km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=34.8km s-min=21.3km az=143.8.
NEIC Event type se. Error ellipse: s-maj=39.3km s-min=20.1km az=151.0.
IDC VIII 15 21 09 05.9–1.8 4.82S 141.42E 0 3.5,3.3
¶12581115
IDC Error ellipse: s-maj=276.6km s-min=32.0km az=112.0.
IDC VIII 17 13 18 03.0–1.6 4.88S 143.04E 0 4.0L,4.0
¶12581156
IDC Error ellipse: s-maj=69.0km s-min=25.3km az=115.0.
IDC VIII 18 19 23 36.0–6.7 5.14S 142.96E 0 3.6,3.4
¶12581180
IDC Error ellipse: s-maj=148.9km s-min=37.7km az=81.0.
ISC VIII 23 02 01 04.1–1.6 4.09S–.07 142.28E–.09 104–16 4.4b 33 7-147
ISCJB VIII 23 02 01 02.4–2.0 4.07S–.08 142.26E–.09 102–19 4.4b ¶11908616
IDC VIII 23 02 01 04.5–.77 4.10S 142.46E 109–6 4.0,4.0
NEIC VIII 23 02 01 05.1–1.5 4.16S 142.31E 118–14 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=12.8km az=165.6.
IDC Error ellipse: s-maj=24.9km s-min=12.0km az=83.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=10.2km az=87.0.
ISC VIII 29 02 00 05.0–6.2 4.2S–.10 143.5E–.30 79–57 3.8b 10 18-143
ISCJB VIII 29 02 00 03.9–6.7 4.2S–.10 143.5E–.30 84–61 3.8b ¶11909044
NEIC VIII 29 02 00 07.5–8.1 4.18S 143.53E 111–69 4.0b
IDC VIII 29 02 00 07.2–9.9 4.23S 143.48E 102–90 4.6L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=43.7km s-min=23.2km az=171.5.
NEIC Event type se. Error ellipse: s-maj=41.3km s-min=24.0km az=63.0.
IDC Error ellipse: s-maj=52.2km s-min=20.1km az=80.0.
ISC IX 03 07 48 52.5–.63 6.76S–.07 143.40E–.06 10 4.0b,4.0s 21 5-148
ISCJB IX 03 07 48 50.7–.61 6.81S–.07 143.36E–.07 10 4.0b,4.0s ¶11909350
IDC IX 03 07 48 50.9–1.1 6.63S 143.45E 0 4.3,4.3L
NEIC IX 03 07 48 52.5–.73 6.73S 143.32E 10 4.3,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=8.4km az=44.1.
IDC Error ellipse: s-maj=43.2km s-min=13.6km az=110.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=12.3km az=114.0.
ISC IX 21 07 05 47.4–.23 3.99S–.03 141.51E–.04 106 5.0b 179 5-158
BJI IX 21 07 05 43.1 4.22S 141.90E 109 5.0b,5.0b ¶11282353
ISCJB IX 21 07 05 45.5–.23 3.96S–.03 141.53E–.04 104 5.0b,5.0b
MOS IX 21 07 05 46.0–.97 3.96S 141.51E 111 5.0b,5.0b
NEIC IX 21 07 05 47.0–.22 3.98S 141.46E 105 4.8b,5.0b
IDC IX 21 07 05 47.2–.45 4.06S 141.38E 105–3 4.7,4.7
GCMT IX 21 07 05 49.5–.40 4.00S 141.54E 120–4 4.9W,4.7
DJA IX 21 07 05 49 3.99S 141.52E 110 5.1b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.0km az=170.8.
MOS Error ellipse: s-maj=12.2km s-min=7.0km az=107.1.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.6km az=73.0.
IDC Error ellipse: s-maj=12.2km s-min=7.9km az=95.0.

GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s18,c23; s63,c76; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.32±.19 $M_{\theta\theta}$-0.78±.18; $M_{\phi\phi}$1.10±.19; $M_{r\theta}$1.99±.10; $M_{\theta\phi}$-1.37±.16; $M_{\phi r}$-1.75±.12; Best double couple: NP1:ϕ_s202.00000°,δ28.00000°,λ-11.00000°. NP2:ϕ_s302.00000°,δ85.00000°,λ-118.00000°. Principal axes: T 3.5000,Plg34.0000° ,Azm55.0000°; N -0.9400,Plg28.0000°,Azm304.0000°; P -2.5600,Plg44.0000° ,Azm185.0000° $M_0$3.00000×10^{16}

IDC IX 24 01 38 30.5–2.9 6.83S 143.33E 0 4.2,4.0
¶11910912

IDC Error ellipse: s-maj=73.5km s-min=25.3km az=111.0.
ISC X 02 07 30 46.7–1.1 5.0S–.10 142.8E–.10 10 3.7b 18 6-86
IDC X 02 07 30 43.5–1.8 5.10S 143.23E 0 4.4L,4.2 **¶11911694**
ISCJB X 02 07 30 44.7–1.0 5.0S–.10 142.8E–.10 10 3.7b,4.2
NEIC X 02 07 30 46.3–1.0 4.97S 142.77E 10 3.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=68.6km s-min=25.4km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=15.3km az=157.8.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=15.7km az=142.0.
ISC X 02 10 31 47.6–.58 4.04S–.06 141.87E–.10 118 4.0b 37 7-147
ISCJB X 02 10 31 46.0–.56 4.02S–.06 141.79E–.10 116 4.0b **¶11911702**
IDC X 02 10 31 46.7–.78 4.00S 142.26E 115–6 3.8,3.7b
NEIC X 02 10 31 47.2–2.1 4.08S 141.91E 117–19 4.6b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=8.2km az=2.5.
IDC Error ellipse: s-maj=31.4km s-min=10.8km az=99.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=15.4km az=129.0.
IDC X 15 14 42 08.5–1.9 5.28S 143.33E 0 3.5,3.3
¶12068689

IDC Error ellipse: s-maj=105.7km s-min=33.0km az=116.0.
ISC X 19 05 45 18.2–3.3 4.0S–.20 141.5E–.10 79–36 3.9b 17 8-86
NEIC X 19 05 45 08.6–1.2 3.53S 141.18E 10 3.9b **¶12069025**
IDC X 19 05 45 08.7–1.3 3.74S 141.41E 0 4.2,4.0L
ISCJB X 19 05 45 17.2–3.5 4.0S–.10 141.6E–.10 84–36 3.9b,4.0L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 20 07 23 07.1–.95 4.49S–.06 143.70E–.07 107–9 4.2b 59 6-149
ISCJB X 20 07 23 05.5–1.1 4.48S–.06 143.73E–.07 109–10 4.2b **¶12069113**
NEIC X 20 07 23 06.5–2.4 4.44S 143.63E 101–24 4.5b
DJA X 20 07 23 06 4.27S 143.91E 109 5.0b
IDC X 20 07 23 08.0–3.1 4.49S 143.85E 121–32 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=7.5km az=137.6.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=15.9km az=111.0.
IDC Error ellipse: s-maj=26.3km s-min=16.6km az=104.0.
ISC X 25 00 13 35.3–1.2 5.97S–.05 144.91E–.06 90–11 4.5b 84 4-150
IDC X 25 00 13 32.6–.62 5.96S 145.00E 66–5 4.4,4.4 **¶12071040**
ISCJB X 25 00 13 33.1–1.3 5.95S–.05 144.91E–.06 86–13 4.5b,4.4
NEIC X 25 00 13 35.4–1.1 5.98S 144.90E 93–10 4.4b,4.4
ISC Event type fe.
IDC Error ellipse: s-maj=16.9km s-min=9.0km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=8.4km az=20.6.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=7.9km az=126.0. Felt at Goroka.
IDC X 30 00 15 16.3–4.6 5.88S 143.06E 0 3.8,3.7
¶12071579

IDC Error ellipse: s-maj=131.7km s-min=33.2km az=101.0.
IDC X 31 23 11 35.0–4.3 6.98S 145.15E 0 3.7,3.5
¶12071787

IDC Error ellipse: s-maj=68.4km s-min=37.2km az=23.0.
ISC XI 03 00 59 18.5–.93 6.90S–.09 143.6E–.20 35 3.6b,3.2s 18 7-88
IDC XI 03 00 59 13.4–1.9 6.83S 143.57E 0 4.1,3.9 **¶12072060**
ISCJB XI 03 00 59 16.7–.96 6.93S–.09 143.5E–.20 33 3.6b,3.2s
NEIC XI 03 00 59 18.7–.90 6.90S 143.50E 35 3.4b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=71.8km s-min=24.4km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=29.8km s-min=11.4km az=10.5.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=11.1km az=101.0.
ISC XI 03 15 19 49.8–2.4 4.4S–.10 143.70E–.09 79–19 3.9b 30 6-85
ISCJB XI 03 15 19 49.1–2.2 4.5S–.10 143.70E–.09 86–19 3.9b **¶12072134**
NEIC XI 03 15 19 50.8–.96 4.35S 143.63E 92 3.9b
IDC XI 03 15 19 50.5–4.5 4.46S 143.85E 93–42 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=14.1km az=154.2.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=15.0km az=84.0.
IDC Error ellipse: s-maj=34.2km s-min=24.6km az=105.0.
ISC XI 19 00 54 45.0–.57 5.06S–.03 143.66E–.03 105–5 5.2b 288 4-149
BJI XI 19 00 54 42.7 4.96S 144.17E 116 5.3b,5.2b **¶11458352**
ISCJB XI 19 00 54 43.2–.60 5.05S–.03 143.65E–.03 104–5 5.2b,5.2b
MOS XI 19 00 54 43.4–1.0 5.00S 143.60E 105 5.0b,5.2b
IDC XI 19 00 54 44.6–1.7 5.04S 143.65E 103–16 4.9,4.9
NEIC XI 19 00 54 45.9–.13 5.03S 143.60E 115 5.0b,4.9
DJA XI 19 00 54 47 5.10S 143.53E 117 5.5b,4.9
GCMT XI 19 00 54 48.4–.10 4.95S 143.39E 111–1 5.4W,4.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.3km az=156.8.
MOS Error ellipse: s-maj=10.2km s-min=6.1km az=106.0.
IDC Error ellipse: s-maj=15.1km s-min=10.2km az=96.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.1km az=80.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c130; s96,c183; Moment tensor: Scale 10^{17}Nm; M_{rr}0.29±.02 $M_{\theta\theta}$-1.11±.02; $M_{\phi\phi}$0.82±.03; $M_{r\theta}$-0.31±.02; $M_{\theta\phi}$-0.70±.02; $M_{\phi r}$0.67±.02; Best double couple: NP1:ϕ_s32.00000°,δ66.00000°,λ21.00000°. NP2:ϕ_s293.00000°,δ71.00000°,λ154.00000°. Principal axes: T 1.5000,Plg31.0000° ,Azm251.0000°; N -0.1500,Plg58.0000°,Azm79.0000°; P -1.3400,Plg4.0000°,Azm343.0000° $M_0$1.40000×10^{17}

IDC XI 20 15 53 15.9–1.6 4.03S 142.44E 0 4.1,3.9L
¶12074275

IDC Error ellipse: s-maj=68.0km s-min=24.4km az=113.0.
IDC XI 24 19 55 41.6–1.2 3.06S 141.39E 0 4.4,4.2
¶12074716

IDC Error ellipse: s-maj=63.4km s-min=27.8km az=103.0.
ISC XII 06 17 44 03.2–2.6 4.4S–.10 142.2E–.10 162–28 3.7b 23 7-86
ISCJB XII 06 17 44 02.5–3.0 4.4S–.20 142.2E–.10 168–31 3.7b **¶12076047**
IDC XII 06 17 44 02.9–6.8 4.30S 142.18E 161–74 3.6,3.4
NEIC XII 06 17 44 06.2–2.6 4.55S 142.59E 206–26 4.3b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.3km s-min=17.4km az=156.1.
IDC Error ellipse: s-maj=54.8km s-min=21.9km az=146.0.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=18.7km az=133.0.
IDC XII 06 23 47 53.1–1.5 3.77S 141.10E 0 4.2s,4.2
¶12076079

IDC Error ellipse: s-maj=86.9km s-min=28.0km az=116.0.
ISC XII 09 03 06 57.3–.65 6.06S–.03 145.82E–.04 113–6 5.4b 327 4-151
IDC XII 09 03 06 53.9–1.4 6.01S 145.80E 83–11 5.0,5.0 **¶12076459**
ISCJB XII 09 03 06 54.5–.71 6.00S–.03 145.87E–.04 104–6 5.4b,5.0
BJI XII 09 03 06 55.9 5.65S 146.22E 114 5.5b,5.4b
MOS XII 09 03 06 55.4–1.1 5.95S 145.68E 101 5.4b,4.2s
NEIC XII 09 03 06 57.0–.71 6.02S 145.80E 110–6 5.4b,4.2s
DJA XII 09 03 06 58 6.08S 145.86E 121 5.3b,4.2s
GCMT XII 09 03 06 59.9–.20 6.09S 145.72E 128–4 5.0W,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=9.5km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.5km az=177.6.
MOS Error ellipse: s-maj=10.2km s-min=5.7km az=106.8.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.1km az=73.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s25,c27; s77,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.62±.18 $M_{\theta\theta}$1.40±.20; $M_{\phi\phi}$0.21±.22; $M_{r\theta}$-3.35±.11; $M_{\theta\phi}$-2.50±.15; $M_{\phi r}$0.05±.14; Best double couple: NP1:ϕ_s345.00000°,δ34.00000°,λ-24.00000°. NP2:ϕ_s95.00000°,δ77.00000°,λ-122.00000°. Principal axes: T 4.6400,Plg25.0000° ,Azm210.0000°; N -0.4200,Plg31.0000°,Azm103.0000°; P -4.2300,Plg48.0000° ,Azm331.0000° $M_0$4.40000×10^{16}

ISC XII 10 08 33 18.2–2.9 4.9S–.20 143.7E–.10 85–24 4.4b 19 6-66
NEIC XII 10 08 33 17.6–5.0 4.82S 143.74E 85–26 3.9b **¶12076696**
IDC XII 10 08 33 18.5–6.6 4.88S 143.72E 86–58 3.8,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=58.0km s-min=19.2km az=175.0.
IDC Error ellipse: s-maj=50.1km s-min=27.0km az=171.0.
IDC XII 11 05 48 09.2–1.9 5.48S 141.50E 0 4.1L,4.1
¶12076849

IDC Error ellipse: s-maj=118.0km s-min=30.7km az=120.0.
IDC XII 12 06 49 15.1–1.2 6.67S 143.42E 0 4.2,4.0
¶12077066

IDC Error ellipse: s-maj=29.5km s-min=25.7km az=93.0.
IDC XII 23 23 08 27.2–1.9 6.98S 144.54E 0 4.0b,3.7
¶12078747

IDC Error ellipse: s-maj=34.7km s-min=24.2km az=47.0.
ISC XII 24 14 28 38.8–3.8 6.46S–.06 142.98E–.07 18–24 4.4b,3.9s 46 5-150
IDC XII 24 14 28 35.1–1.6 6.56S 143.13E 0 4.4,4.3 **¶11518759**
ISCJB XII 24 14 28 36.6–3.5 6.46S–.06 143.00E–.07 15–22 4.4b,3.9s
DJA XII 24 14 28 37 6.48S 142.92E 10 4.6b,3.9s
NEIC XII 24 14 28 41.1–.44 6.49S 142.92E 35 4.6b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=20.5km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=7.9km az=142.4.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.3km az=81.0.
ISC XII 28 03 38 34.5–2.2 5.4S–.10 143.0E–.10 92–24 3.5b 21 6-87
NEIC XII 28 03 38 29.6–.79 5.12S 142.80E 35 4.0b **¶12079234**
ISCJB XII 28 03 38 30.6–2.3 5.3S–.10 143.0E–.10 67–24 3.5b
IDC XII 28 03 38 31.3–8.2 5.22S 143.04E 58–86 3.7,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=11.8km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=15.4km az=43.5.
IDC Error ellipse: s-maj=55.2km s-min=31.2km az=158.0.

(203) Bismarck Sea.

IDC VII 03 14 33 24.1–3.8 4.20S 149.72E 0 3.8,3.6
¶12697977

IDC Error ellipse: s-maj=130.9km s-min=48.6km az=116.0.
IDC VII 03 14 59 57.3–4.2 3.56S 149.98E 0 4.0,3.8b
¶12697980

IDC Error ellipse: s-maj=161.7km s-min=46.8km az=115.0.
IDC VII 11 00 55 36.4–5.6 4.67S 148.16E 0 3.8,3.6
¶12698127

IDC Error ellipse: s-maj=159.3km s-min=36.8km az=103.0.
IDC VII 12 19 20 52.5–5.6 4.82S 147.10E 0 3.7,3.5
¶12698166

IDC Error ellipse: s-maj=165.1km s-min=30.7km az=103.0.
ISC VII 22 17 30 35.7–3.4 3.7S–.20 149.5E–.30 62–33 3.7b 15 6-147
IDC VII 22 17 30 28.6–1.9 3.53S 149.27E 0 3.8,3.7 **¶11812378**
NEIC VII 22 17 30 35.8–3.0 3.71S 149.47E 64–28 3.9b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=70.8km s-min=23.3km az=108.0.
NEIC Event type se. Error ellipse: s-maj=38.9km s-min=19.1km az=100.0.
ISC VII 23 00 55 03.9–2.5 3.59S–.10 149.2E–.20 82–22 4.0b 19 6-86
IDC VII 23 00 54 54.3–1.9 3.40S 149.23E 0 4.4,4.2 **¶11812409**
ISCJB VII 23 00 55 01.8–3.0 3.57S–.10 149.2E–.20 78–27 4.0b,4.2
NEIC VII 23 00 55 04.2–2.0 3.59S 149.23E 86–18 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=57.3km s-min=24.4km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=32.8km s-min=16.3km az=5.5.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=11.5km az=96.0.
IDC VIII 05 02 44 24.7–1.9 3.71S 149.00E 0 4.0,3.9
¶12580926

IDC Error ellipse: s-maj=57.8km s-min=26.8km az=113.0.
ISC VIII 11 16 27 30.3–2.5 3.10S–.08 147.2E–.10 49–24 4.3s,4.0b 30 11-144
IDC VIII 11 16 27 23.2–.87 3.04S 147.38E 0 4.3,4.3s **¶11227189**
ISCJB VIII 11 16 27 27.7–2.5 3.06S–.08 147.2E–.10 38–22 4.3s,4.0b
NEIC VIII 11 16 27 28.3–.50 3.09S 147.36E 35 4.8b,4.0b
GCMT VIII 11 16 27 30.9–.20 2.98S 147.42E 16–1 5.1W,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=16.5km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=13.3km az=3.2.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=9.1km az=104.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c67; s89,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}0.62±.12 $M_{\theta\theta}$-0.84±.11; $M_{\phi\phi}$0.22±.12; $M_{r\theta}$-2.15±.35; $M_{\theta\phi}$5.08±.10; $M_{\phi r}$-1.12±.33; Best double couple: NP1:ϕ_s175.00000°,δ67.00000°,λ169.00000°. NP2:ϕ_s269.00000°,δ80.00000°,λ23.00000°. Principal axes: T 5.8100,Plg24.0000° ,Azm134.0000°; N -0.2600,Plg64.0000°,Azm292.0000°; P -5.5400,Plg9.0000°,Azm40.0000° $M_0$5.70000×10^{16}

ISC VIII 11 16 40 38.5–1.0 3.3S–.10 147.7E–.20 35 3.9b,3.9s 11 24-145
IDC VIII 11 16 40 32.8–1.3 3.30S 147.73E 0 4.1,3.9 **¶11908088**
ISCJB VIII 11 16 40 36.9–1.0 3.3S–.10 147.6E–.20 33 3.9b,3.9s
NEIC VIII 11 16 40 38.4–.96 3.21S 147.66E 35 4.5b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=22.1km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=30.2km s-min=16.5km az=20.9.
NEIC Event type se. Error ellipse: s-maj=33.1km s-min=17.4km az=117.0.
ISC VIII 11 20 41 30.3–4.2 3.05S–.07 147.4E–.10 2–26 4.3b,4.2s 38 6-145
IDC VIII 11 20 41 29.3–.92 3.09S 147.47E 0 4.3,4.3 **¶11227191**
GCMT VIII 11 20 41 35.8–.20 3.03S 147.46E 20–1 5.0W,4.3
NEIC VIII 11 20 41 36.1–2.0 3.11S 147.26E 45–19 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=16.6km az=98.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s33,c43; s86,c129; Moment tensor: Scale 10^{16}Nm; M_{rr}1.30±.14 $M_{\theta\theta}$0.26±.12; $M_{\phi\phi}$-1.56±.15; $M_{r\theta}$-0.64±.22; $M_{\theta\phi}$4.10±.10; $M_{\phi r}$-0.45±.22; Best double couple: NP1:ϕ_s185.00000°,δ77.00000°,λ168.00000°. NP2:ϕ_s278.00000°,δ78.00000°,λ13.00000°. Principal axes: T 3.7900,Plg17.0000° ,Azm141.0000°; N 1.0500,Plg73.0000°,Azm320.0000°; P -4.8500,Plg1.0000°,Azm51.0000° $M_0$4.30000×10^{16}
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.8km az=91.0.
IDC VIII 13 20 22 47.0–1.9 3.71S 148.63E 0 4.2,3.9b
¶12581068

IDC Error ellipse: s-maj=113.7km s-min=28.5km az=125.0.
ISC VIII 18 00 41 40.3–4.9 3.76S–.07 149.9E–.20 25–34 4.4b,3.7s 29 6-147
ISCJB VIII 18 00 41 39.7–5.1 3.72S–.08 149.7E–.20 29–35 4.4b,3.7s **¶11908380**
IDC VIII 18 00 41 40.8–3.0 3.40S 149.04E 0 4.4,4.2
NEIC VIII 18 00 41 42.3–.83 3.77S 149.77E 35 4.7b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.3km s-min=12.9km az=2.0.
IDC Error ellipse: s-maj=91.2km s-min=21.9km az=104.0.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=12.3km az=95.0.
ISC VIII 26 01 56 28.5–1.2 3.2S–.10 147.9E–.20 35 4.1b 12 6-83
IDC VIII 26 01 56 23.0–1.6 3.19S 148.14E 0 4.4,4.2b **¶11908823**
ISCJB VIII 26 01 56 26.1–1.1 3.2S–.10 148.0E–.20 33 4.1b,4.2b
NEIC VIII 26 01 56 28.8–1.2 3.25S 147.94E 35 4.8b,4.2b
GCMT VIII 26 01 56 29.9–.30 3.02S 147.53E 20–1 5.0W,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=57.3km s-min=21.1km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=37.1km s-min=13.7km az=25.1.
NEIC Event type se. Error ellipse: s-maj=39.4km s-min=12.7km az=112.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s36,c49; s75,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.59±.20 $M_{\theta\theta}$0.22±.16; $M_{\phi\phi}$0.38±.19; $M_{r\theta}$1.63±.35; $M_{\theta\phi}$4.04±.16; $M_{\phi r}$-1.70±.36; Best double couple: NP1:ϕ_s266.00000°,δ70.00000°,λ-20.00000°. NP2:ϕ_s3.00000°,δ71.00000°,λ-159.00000°. Principal axes: T 4.3400,Plg1.0000° ,Azm134.0000°; N 0.6600,Plg62.0000°,Azm42.0000°; P -5.0000,Plg28.0000°,Azm225.0000° $M_0$4.70000×10^{16}

IDC VIII 26 01 57 56.0–9.0 3.18S 148.19E 0 4.3,4.1
¶12581412

IDC Error ellipse: s-maj=194.9km s-min=38.2km az=86.0.
IDC VIII 26 02 19 01.3–2.0 3.35S 148.00E 0 4.2s,4.2
¶12581413

IDC Error ellipse: s-maj=133.7km s-min=28.4km az=125.0.
IDC VIII 27 16 02 30.2–2.2 4.93S 147.49E 0 3.7,3.5
¶12581467

IDC Error ellipse: s-maj=88.3km s-min=26.7km az=117.0.
IDC VIII 28 22 09 47.1–1.9 3.82S 149.54E 0 3.7,3.6 ¶12581518

IDC Error ellipse: s-maj=63.1km s-min=30.3km az=118.0.
IDC X 01 01 11 53.6–3.8 3.65S 148.62E 0 4.1,3.9 ¶11911512

IDC Error ellipse: s-maj=120.9km s-min=47.1km az=110.0.
NEIC X 05 22 26 31.6–.45 4.55S 149.77E 35 4.1b
IDC X 05 22 26 35.5–3.7 5.54S 149.64E 0 4.0,3.8 ¶12066068
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.9km az=124.0.
IDC Error ellipse: s-maj=122.2km s-min=46.5km az=118.0.
IDC X 10 13 51 30.9–2.2 4.69S 149.45E 591–25 3.1,2.9b ¶12066511

IDC Error ellipse: s-maj=31.8km s-min=10.4km az=111.0.
IDC X 17 14 19 07.0–4.5 3.38S 149.22E 0 3.6,3.3 ¶12068889

IDC Error ellipse: s-maj=185.0km s-min=48.2km az=109.0.
IDC X 17 14 21 33.3–3.5 3.49S 149.23E 0 3.7,3.5 ¶12068891

IDC Error ellipse: s-maj=98.3km s-min=31.2km az=96.0.
IDC X 17 15 18 27.9–4.1 3.43S 148.67E 0 3.8,3.5b ¶12068894

IDC Error ellipse: s-maj=147.8km s-min=47.7km az=107.0.
IDC X 20 09 02 06.3–2.3 3.41S 148.30E 0 3.7,3.5 ¶12069119

IDC Error ellipse: s-maj=340.9km s-min=28.5km az=121.0.
ISC X 21 05 03 02.1–2.3 3.72S–.07 149.7E–.10 70–19 4.4b 57 6-147
IDC X 21 05 02 52.7–1.1 3.67S 149.75E 0 4.5,4.5 ¶11390979
NEIC X 21 05 02 58.6–.52 3.61S 149.57E 35 4.9b,4.5
GCMT X 21 05 02 59.7–.10 3.48S 149.58E 14–0 5.2W,4.5
ISCJB X 21 05 02 60.0–2.5 3.71S–.07 149.6E–.10 63–20 4.5b,4.5
DJA X 21 05 03 47 5.07S 146.94E 269 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=16.1km az=111.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=8.3km az=94.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c95; s95,c176; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.89±.14 $M_{\theta\theta}$6.09±.14; $M_{\phi\phi}$-5.20±.14; $M_{r\theta}$0.14±.25; $M_{\theta\phi}$5.70±.13; $M_{\phi r}$0.30±.26; Best double couple: NP1:ϕ_s112.00000°,δ88.00000°,λ0.00000°. NP2:ϕ_s202.00000°,δ90.00000°,λ-178.00000°. Principal axes: T 8.4700,Plg1.0000° ,Azm337.0000°; N -0.8900,Plg88.0000°,Azm210.0000°; P -7.5900,Plg2.0000°,Azm67.0000° M_o8.00000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=10.1km az=160.5.
ISC XI 01 01 13 10.9–.96 3.42S–.03 148.81E–.03 18–5 5.7s,5.2b 399 6-170
BJI XI 01 01 13 04.8 3.32S 149.54E 10 5.7s,5.6 ¶11380742
ISCJB XI 01 01 13 07.3–.88 3.42S–.03 148.78E–.03 6–5 5.7s,5.2b
IDC XI 01 01 13 07.2–.55 3.43S 148.88E 0 5.5s,5.5
NEIC XI 01 01 13 09.6–.17 3.40S 148.71E 10 5.9W,5.9W
MOS XI 01 01 13 11.5–1.3 3.38S 148.72E 33 5.7s,5.5b
TEH XI 01 01 13 11.0 3.40S 148.54E 10 5.7s,5.5b
GCMT XI 01 01 13 14.9–.10 3.31S 148.89E 12 6.0W,5.5b
DJA XI 01 01 13 15 3.39S 148.87E 51 5.2b,5.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=5.0km az=159.7.
IDC Error ellipse: s-maj=19.8km s-min=10.0km az=110.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=101.0. Moment Tensor Solution. s48 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.59 $M_{\theta\theta}$3.91 $M_{\phi\phi}$-3.32 $M_{r\theta}$5.14 $M_{\theta\phi}$5.57 $M_{\phi r}$-2.67 Best double couple: NP1:ϕ_s20.00000°,δ50.00000°,λ-174.00000°. NP2:ϕ_s286.00000° ,δ85.00000°,λ-40.00000°. Principal axes: T 8.3600,Plg23.0000°,Azm339.0000° ; N 0.8700,Plg49.0000°,Azm100.0000°; P -9.2300,Plg30.0000°,Azm234.0000° M_o8.80000×10^{17}
MOS Error ellipse: s-maj=9.0km s-min=5.9km az=97.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=274, per= 50. Moment Tensor Solution. s104,c225; s97,c142; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s201.00000° ,δ85.00000°,λ178.00000°. NP2:ϕ_s291.00000°,δ88.00000°,λ5.00000°. Principal axes: T 1.1800,Plg5.0000°,Azm156.0000°; N -0.0600,Plg85.0000°,Azm309.0000° ; P -1.1200,Plg2.0000°,Azm66.0000° M_o1.20000×10^{18}
ISC XI 01 01 18 07.9–1.3 3.7S–.10 149.3E–.20 10 4.2b 30 6-147
IDC XI 01 01 18 04.3–1.7 3.85S 149.63E 0 4.2,4.1b ¶12071799
NEIC XI 01 01 18 06.2–1.3 3.89S 149.60E 10 4.7b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=55.2km s-min=21.7km az=113.0.
NEIC Event type se. Error ellipse: s-maj=39.0km s-min=14.7km az=113.0.
ISC XI 01 01 31 03.4–1.1 3.08S–.07 148.5E–.20 10 4.0b 32 6-146
IDC XI 01 01 30 57.9–1.6 3.30S 149.33E 0 4.1,4.0 ¶11656466
ISCJB XI 01 01 31 01.0–1.0 3.12S–.07 148.6E–.20 10 4.0b,4.0
NEIC XI 01 01 31 02.7–1.3 3.17S 148.66E 10 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=52.5km s-min=20.1km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=29.6km s-min=8.4km az=8.4.
NEIC Event type se. Error ellipse: s-maj=40.2km s-min=12.8km az=102.0.
ISC XI 01 01 57 34.8–1.2 3.46S–.06 148.7E–.20 10 4.3b 34 6-146
IDC XI 01 01 57 30.8–3.1 3.41S 149.13E 0 4.4,4.4s ¶12071806
ISCJB XI 01 01 57 33.0–1.2 3.49S–.06 148.7E–.20 10 4.3b,4.4s
NEIC XI 01 01 57 34.5–1.0 3.44S 148.70E 10 4.5b,4.4s
GCMT XI 01 01 57 43.5–.20 3.34S 149.00E 18–1 5.3W,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=100.5km s-min=21.2km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=35.7km s-min=8.0km az=7.4.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=9.2km az=96.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s29,c38; s91,c165; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s19.00000°,δ88.00000°,λ-180.00000°. NP2:ϕ_s289.00000° ,δ90.00000°,λ-2.00000°. Principal axes: T 1.1300,Plg2.0000°,Azm334.0000° ; N -0.1300,Plg88.0000°,Azm104.0000°; P -0.9900,Plg2.0000°,Azm244.0000° M_o1.10000×10^{17}
ISC XI 01 02 04 38.9–1.5 4.3S–.20 149.5E–.40 10 4.2s,3.8b 15 6-147
IDC XI 01 02 04 37.5–1.9 3.59S 148.67E 0 4.3s,4.3 ¶12071807
NEIC XI 01 02 04 38.8–1.4 4.31S 149.52E 10 4.2b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=116.9km s-min=25.7km az=124.0.
NEIC Event type se. Error ellipse: s-maj=53.3km s-min=13.1km az=116.0.
ISC XI 01 02 14 23.2–4.6 3.6S–.30 149.7E–1.0 10 4.3s,4.0b 14 6-147
IDC XI 01 02 14 21.6–4.2 3.53S 149.48E 0 4.3s,4.3 ¶12071808
NEIC XI 01 02 14 21.3–3.4 3.68S 150.02E 10 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=134.2km s-min=25.0km az=105.0.
NEIC Event type se. Error ellipse: s-maj=111.0km s-min=16.2km az=106.0.
IDC XI 01 02 16 52.7–4.4 3.68S 149.73E 0 4.4,4.2s ¶12071810

IDC Error ellipse: s-maj=156.8km s-min=51.2km az=115.0.
IDC XI 01 02 24 19.5–3.7 3.31S 149.51E 0 4.0,3.8b ¶12071811

IDC Error ellipse: s-maj=121.5km s-min=46.8km az=112.0.
ISC XI 01 02 33 12.4–1.4 3.5S–.20 149.2E–.30 10 3.9s,3.9b 17 18-147
ISCJB XI 01 02 33 10.9–1.4 3.5S–.20 149.1E–.30 10 3.9s,3.9b ¶12071812
IDC XI 01 02 33 10.1–1.7 3.52S 149.39E 0 4.2,4.0
NEIC XI 01 02 33 11.8–1.2 3.53S 149.29E 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=41.8km s-min=15.2km az=25.2.
IDC Error ellipse: s-maj=54.4km s-min=20.5km az=112.0.
NEIC Event type se. Error ellipse: s-maj=36.8km s-min=13.3km az=115.0.
ISC XI 01 04 07 58.6–1.2 3.47S–.04 148.79E–.05 29–8 5.2s,4.8b 189 6-154
IDC XI 01 04 07 53.3–.79 3.50S 148.91E 0 5.0s,5.0 ¶11380750
ISCJB XI 01 04 07 55.4–1.3 3.46S–.04 148.79E–.05 19–8 5.2s,4.8b
BJI XI 01 04 07 55.0 2.97S 149.09E 10 5.3s,5.1b
NEIC XI 01 04 07 56.1–.27 3.41S 148.72E 10 5.0b,5.1b
MOS XI 01 04 07 57.1–1.0 3.44S 148.81E 33 5.1b,5.0s
DJA XI 01 04 08 13 4.11S 147.87E 21 4.9b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=13.6km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.7km az=176.7.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.4km az=99.0.
MOS Error ellipse: s-maj=13.4km s-min=7.5km az=95.1.
ISC XI 01 04 09 04.7–5.2 3.4S–.10 148.6E–.20 39–48 5.1s,4.7b 35 6-146
IDC XI 01 04 08 58.6–1.3 3.36S 148.66E 0 5.1s,5.0 ¶12071822
NEIC XI 01 04 08 59.3–.64 3.42S 148.87E 10 4.8b,5.0
ISCJB XI 01 04 09 03.0–6.3 3.4S–.10 148.6E–.20 39–57 5.1s,4.7b
GCMT XI 01 04 09 05.2–.10 3.35S 149.07E 12 5.7W,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=18.3km az=101.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=9.3km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=31.2km s-min=24.2km az=171.7.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s86,c142; s99,c214; Moment tensor: Scale 10^{17}Nm; M_{rr}0.02±.05 $M_{\theta\theta}$2.11±.05; $M_{\phi\phi}$-2.14±.05; $M_{r\theta}$0.70±.13; $M_{\theta\phi}$2.95±.04; $M_{\phi r}$0.96±.13; Best double couple: NP1: ϕ_s109.00000°,δ73.00000°,λ5.00000°. NP2:ϕ_s17.00000°,δ85.00000°,λ163.00000°. Principal axes: T 3.9100,Plg15.0000°,Azm332.0000°; N -0.1900,Plg72.0000°,Azm182.0000° ; P -3.7300,Plg9.0000°,Azm64.0000° M_o3.80000×10^{17}
IDC XI 01 14 55 57.4–6.3 3.27S 149.32E 0 3.7,3.4 ¶12071863

IDC Error ellipse: s-maj=289.9km s-min=48.0km az=110.0.
IDC XI 15 13 41 36.0–1.7 3.19S 146.86E 0 4.0,3.7 ¶12073631

IDC Error ellipse: s-maj=81.3km s-min=26.5km az=120.0.
IDC XI 17 04 52 59.6–1.7 3.76S 146.04E 0 3.9s,3.9 ¶12073821

IDC Error ellipse: s-maj=99.7km s-min=26.2km az=123.0.
ISC XII 06 00 03 54.2–1.7 3.9S–.10 146.0E–.20 35 3.8b 17 6-75
IDC XII 06 00 03 50.5–2.6 3.75S 145.75E 0 4.1,4.0 ¶12075953
ISCJB XII 06 00 03 53.4–2.0 3.9S–.10 145.9E–.30 33 3.8b,4.0
NEIC XII 06 00 03 53.3–1.6 3.91S 146.27E 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=63.7km s-min=28.3km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=40.1km s-min=20.3km az=173.7.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=16.1km az=80.0.

(204) Aru Islands region.

ISC VII 04 06 34 30.7–1.4 5.83S–.08 133.8E–.10 47–14 4.2b,3.0s 41 1-149
NEIC VII 04 06 34 30.3–.66 5.68S 133.65E 35 4.5b,3.0s ¶11810590
IDC VII 04 06 34 32.5–.96 5.85S 133.38E 55–6 4.2,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=10.1km az=76.0.
IDC Error ellipse: s-maj=39.1km s-min=17.2km az=71.0.
ISC VII 10 16 18 46.3–.38 6.65S–.04 133.57E–.05 35 4.0b 50 1-149
IDC VII 10 16 18 41.3–.74 6.59S 133.42E 0 4.2,4.1L ¶11811183
NEIC VII 10 16 18 42.9–.44 6.61S 133.45E 10 4.0b,4.1L
ISCJB VII 10 16 18 43.7–.39 6.70S–.03 133.62E–.05 33 4.0b,4.1L
DJA VII 10 16 18 47 6.46S 133.59E 70 4.8b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=16.2km az=74.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=7.0km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.8km az=176.0.
IDC IX 20 12 51 41.4–2.0 5.94S 133.59E 0 4.2,4.1b ¶11910703

IDC Error ellipse: s-maj=164.9km s-min=22.1km az=74.0.
IDC X 14 13 25 20.3–2.8 6.81S 135.20E 0 3.5b,3.5 ¶12068613

IDC Error ellipse: s-maj=156.6km s-min=30.3km az=75.0.
IDC X 18 08 09 31.9–6.4 6.64S 133.55E 0 4.4L,4.1 ¶12068963

IDC Error ellipse: s-maj=131.4km s-min=66.5km az=102.0.
IDC XI 03 16 23 26.4–4.6 5.93S 132.26E 0 3.9b,3.8 ¶12072140

IDC Error ellipse: s-maj=299.3km s-min=31.4km az=75.0.
ISC XI 04 10 57 13.8–2.1 6.0S–.10 133.2E–.10 35 15 7-69
IDC XI 04 10 57 12.4–2.1 7.07S 128.91E 0 3.9b,3.7 ¶12072235
ISCJB XI 04 10 57 14.5–2.3 6.2S–.10 133.2E–.10 33 3.9b,3.7
NEIC XI 04 10 57 16.5–3.9 5.99S 133.02E 100–36 3.9b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=114.1km s-min=32.0km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=20.0km az=176.4.
NEIC Event type se. Error ellipse: s-maj=44.0km s-min=24.2km az=57.0.
ISC XI 09 17 45 27.2–5.3 5.5S–.20 133.8E–.10 80–55 3.5b 22 14-90
IDC XI 09 17 45 17.5–1.1 5.07S 134.05E 0 4.1s,4.1 ¶12072977
NEIC XI 09 17 45 22.6–.75 5.19S 133.95E 35 3.9b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=49.7km s-min=19.6km az=79.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=10.9km az=81.0.
IDC XI 12 23 14 31.9–5.4 5.31S 133.22E 0 3.6b,3.6 ¶12073355

IDC Error ellipse: s-maj=322.6km s-min=32.6km az=77.0.

(205) Near south coast of Irian Jaya.

IDC VIII 26 18 14 06.0–3.7 5.31S 138.76E 0 3.7,3.5 ¶12581440

IDC Error ellipse: s-maj=112.9km s-min=33.1km az=92.0.

(206) Near south coast of New Guinea.

IDC VII 23 12 32 52.6–1.9 7.24S 144.86E 0 4.2,4.0L ¶12698402

IDC Error ellipse: s-maj=56.1km s-min=29.6km az=120.0.
ISC IX 19 14 43 11.1–.79 7.13S–.09 144.21E–.08 35 3.5b 12 4-88
IDC IX 19 14 43 04.8–1.6 7.06S 144.55E 0 4.0,3.8b ¶11910628
ISCJB IX 19 14 43 09.0–.78 7.09S–.09 144.24E–.08 33 3.5b,3.8b
NEIC IX 19 14 43 11.2–.78 7.09S 144.15E 35 3.5b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=51.5km s-min=25.3km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=9.8km az=41.9.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=14.0km az=92.0.

(207) Eastern New Guinea region.

ISC VII 01 06 18 23.3–3.5 5.6S–.20 147.3E–.30 155–28 4.1b 17 9-79
IDC VII 01 06 18 03.0–2.5 5.31S 147.80E 0 4.4,4.2 ¶11799142
ISCJB VII 01 06 18 22.2–3.6 5.7S–.10 147.3E–.30 158–29 4.1b,4.2
NEIC VII 01 06 18 22.5–3.5 5.50S 147.18E 147–28 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=76.9km s-min=23.5km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=41.6km s-min=22.8km az=3.6.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=20.4km az=84.0.
IDC VII 01 16 29 31.7–6.7 6.23S 147.62E 0 4.1,3.9b ¶12697921

IDC Error ellipse: s-maj=102.5km s-min=60.7km az=32.0.
IDC VII 02 14 03 36.5–3.7 6.22S 146.30E 0 3.3,3.3s ¶12697944

IDC Error ellipse: s-maj=142.8km s-min=52.5km az=119.0.
ISC VII 06 17 36 29.4–.59 5.08S–.03 145.65E–.04 213–6 4.8b 170 5-151
ISCJB VII 06 17 36 27.4–.61 5.03S–.03 145.69E–.04 209–6 4.8b ¶11086392
MOS VII 06 17 36 28.3–.69 5.03S 145.64E 220 4.6b
BJI VII 06 17 36 28.7 5.29S 145.97E 247 4.8b,4.7b
NEIC VII 06 17 36 29.5–.86 5.04S 145.64E 216–9 4.7b,4.7b
IDC VII 06 17 36 31.9–.90 5.11S 145.63E 238–8 4.3b,4.3
DJA VII 06 17 36 31 5.06S 145.52E 204 5.4W,4.3
GCMT VII 06 17 36 31.1–.30 5.06S 145.57E 225–3 5.1W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.6km az=14.8.
MOS Error ellipse: s-maj=12.9km s-min=7.6km az=101.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.4km az=98.0.
IDC Error ellipse: s-maj=14.0km s-min=6.8km az=102.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s22,c27; s61,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}1.03±.27 $M_{\theta\theta}$1.10±.22; $M_{\phi\phi}$-2.13±.25; $M_{r\theta}$1.56±.24; $M_{\theta\phi}$-3.35±.18; $M_{\phi r}$-3.02±.22; Best double couple: NP1:ϕ_s72.00000°,δ49.00000°,λ166.00000°. NP2:ϕ_s171.00000°,δ80.00000°,λ41.00000°. Principal axes: T 5.3500,Plg36.0000°

,Azm40.0000°; N -0.4900,Plg47.0000°,Azm182.0000°; P -4.8500,Plg20.0000°
,Azm295.0000° $M_0$5.10000×10^{16}
ISC VII 08 03 11 15.1–3.5 6.6S–.10 147.3E–.20 10–24 4.0b,3.6s 11 3-80
IDC VII 08 03 11 12.2–4.2 6.66S 147.51E 0 4.2,4.1 **¶11810959**
NEIC VII 08 03 11 19.0–1.1 6.67S 147.20E 35 4.2,4.1
ISC Event type se.
IDC Error ellipse: s-maj=111.4km s-min=23.8km az=107.0.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=12.5km az=95.0.
ISC VII 09 10 42 32.5–2.9 6.5S–.20 146.4E–.20 141–30 12 3-145
IDC VII 09 10 42 13.9–3.5 5.75S 146.59E 0 3.9,3.8 **¶11811073**
NEIC VII 09 10 42 27.2–7.1 5.94S 146.35E 104–32 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=74.7km s-min=49.7km az=108.0.
NEIC Event type se. Error ellipse: s-maj=86.5km s-min=31.7km az=205.0.
IDC VII 09 16 30 19.6–5.3 5.56S 146.77E 0 3.8L,3.8
¶12698100
IDC Error ellipse: s-maj=153.9km s-min=30.9km az=105.0.
ISC VII 09 19 32 27.0–.78 5.44S–.04 146.85E–.05 229–8 4.3b 119 4-141
BJI VII 09 19 32 22.1 5.64S 147.23E 224 4.6b,4.4b **¶11108437**
MOS VII 09 19 32 23.4–.94 5.29S 146.81E 207 4.5b,4.4b
ISCJB VII 09 19 32 24.6–.84 5.35S–.04 146.95E–.05 222–8 4.3b,4.4b
IDC VII 09 19 32 26.2–.73 5.42S 146.79E 221–6 4.1,4.1
NEIC VII 09 19 32 26.1–.19 5.37S 146.90E 221 4.6b,4.1
ISC Event type se.
MOS Error ellipse: s-maj=14.6km s-min=7.6km az=91.2.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.5km az=20.8.
IDC Error ellipse: s-maj=14.4km s-min=7.7km az=100.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=92.0.
ISC VII 10 21 47 31.0–2.6 5.40S–.10 145.3E–.10 102–23 3.9b 31 9-150
IDC VII 10 21 47 18.0–1.5 5.18S 145.59E 0 4.3L,4.2 **¶11811213**
ISCJB VII 10 21 47 30.3–3.1 5.4S–.10 145.3E–.10 110–27 3.9b,4.2
NEIC VII 10 21 47 30.9–1.7 5.36S 145.37E 103–15 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=51.2km s-min=19.1km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=14.7km az=156.2.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.1km az=64.0.
ISC VII 11 13 38 39.2–2.7 5.8S–.10 147.0E–.10 52–22 4.1b,3.4s 22 4-140
IDC VII 11 13 38 31.6–1.3 5.74S 147.02E 0 4.3,4.2L **¶11811270**
ISCJB VII 11 13 38 37.0–2.9 5.8S–.10 146.9E–.10 48–24 4.1b,3.4s
NEIC VII 11 13 38 39.9–2.3 5.84S 146.92E 58–19 4.0b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=16.6km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=20.0km az=137.8.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=15.8km az=222.0.
IDC VII 12 04 44 00.8–4.0 5.84S 147.53E 0 4.1,4.1L
¶12698153
IDC Error ellipse: s-maj=133.0km s-min=47.8km az=111.0.
ISC VII 12 17 18 35.1–1.5 6.01S–.07 146.5E–.10 97–16 3.9b 37 3-152
ISCJB VII 12 17 18 34.0–1.8 5.98S–.07 146.5E–.10 101–18 3.9b **¶11811376**
NEIC VII 12 17 18 34.9–2.1 5.90S 146.29E 90–24 4.1b
IDC VII 12 17 18 36.2–3.8 5.89S 146.21E 98–35 3.8,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=12.1km az=1.4.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=16.0km az=111.0.
IDC Error ellipse: s-maj=33.0km s-min=12.0km az=105.0.
ISC VII 13 20 31 42.0–2.1 5.8S–.10 147.1E–.10 176–13 4.3b 19 4-26
NEIC VII 13 20 31 27.8–11 4.51S 147.43E 134–42 4.5b **¶11811502**
IDC VII 13 20 31 44.2–4.3 5.70S 145.84E 109–53 4.2,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=133.9km s-min=36.9km az=213.0.
IDC Error ellipse: s-maj=50.4km s-min=30.4km az=123.0.
IDC VII 15 12 33 59.0–10 6.26S 146.89E 0 3.6,3.5b
¶12698230
IDC Error ellipse: s-maj=154.7km s-min=65.9km az=27.0.
ISC VII 16 21 52 45.2–1.7 7.05S–.09 147.45E–.10 50–16 4.0b 20 2-85
ISCJB VII 16 21 52 45.0–2.1 7.1S–.10 147.48E–.10 67–20 3.9b **¶11811784**
IDC VII 16 21 52 44.8–5.2 7.05S 147.44E 45–72 3.9L,3.9
NEIC VII 16 21 52 45.7–1.3 7.06S 147.45E 57–12 3.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=13.2km az=144.1.
IDC Error ellipse: s-maj=95.2km s-min=33.5km az=144.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.1km az=142.0.
ISC VII 18 02 59 08.5–5.2 7.71S–.08 147.1E–.20 30–36 3.9b 16 2-87
IDC VII 18 02 59 03.5–1.6 7.68S 147.17E 0 4.1,4.0 **¶11811898**
NEIC VII 18 02 59 10.2–3.0 7.80S 147.11E 47–33 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=51.8km s-min=20.7km az=110.0.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=19.8km az=167.0.
ISC VII 18 13 29 57.4–1.3 6.3S–.10 146.8E–.20 35 3.5b 10 3-145
IDC VII 18 13 29 51.6–2.1 6.36S 147.14E 0 3.8,3.6 **¶11811935**
ISCJB VII 18 13 29 55.4–1.4 6.2S–.10 146.8E–.20 33 3.5b,3.6
NEIC VII 18 13 29 57.3–.94 6.23S 146.82E 35 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=122.1km s-min=27.6km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=23.9km s-min=18.4km az=23.9.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=13.5km az=109.0.
ISC VII 23 16 48 20.7–2.0 5.4S–.10 148.0E–.30 131–19 3.8b 12 4-146
IDC VII 23 16 48 19.0–4.9 5.60S 148.29E 130–37 3.8,3.6b **¶11812452**
ISCJB VII 23 16 48 20.6–2.9 5.5S–.20 148.0E–.30 147–32 3.8b,3.6b
NEIC VII 23 16 48 22.2–2.3 5.60S 148.08E 156–25 3.9b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=69.1km s-min=17.4km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=55.4km s-min=28.7km az=28.7.
NEIC Event type se. Error ellipse: s-maj=48.7km s-min=21.6km az=118.0.
ISC VII 25 20 11 08.9–.14 5.83S–.02 146.75E–.02 45 5.5b,4.9s 382 4-152
IDC VII 25 20 11 01.9–.42 5.92S 146.67E 0 5.6L,5.3 **¶13390091**
BJI VII 25 20 11 05.7 6.15S 147.15E 70 5.2b,5.2b
ISCJB VII 25 20 11 06.9–.13 5.83S–.02 146.72E–.02 43 5.5b,4.9s
MOS VII 25 20 11 07.2–.80 5.81S 146.59E 46 5.4b,4.8s
NEIC VII 25 20 11 07.5–.14 5.81S 146.66E 39 5.5W,5.4b
GCMT VII 25 20 11 13.5–.10 5.91S 146.73E 50–0 5.4W,5.4b
DJA VII 25 20 11 13 6.00S 146.75E 87 5.9W,5.4b
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=9.3km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=3.1km az=167.3.
MOS Error ellipse: s-maj=10.3km s-min=5.7km az=97.8.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.6km az=84.0. Moment Tensor Solution.
s42 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$0.24 $M_{r\theta}$0.22 $M_{\theta\phi}$0.45 $M_{\phi r}$-0.11
Best double couple: NP1:ϕ_s281.00000°,δ40.00000°,λ84.00000°. NP2:ϕ_s109.00000°
,δ50.00000°,λ95.00000°. Principal axes: T 1.1200,Plg83.0000°,Azm51.0000°
; N 0.3600,Plg3.0000°,Azm285.0000°; P -1.4800,Plg5.0000°,Azm195.0000°
$M_0$1.30000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s99,c175; s88,c166;
Moment tensor: Scale 10^{17}Nm; M_{rr}1.68±.02 $M_{\theta\theta}$-1.66±.02; $M_{\phi\phi}$-0.02±.02; $M_{r\theta}$-0.05±.02;
$M_{\theta\phi}$0.78±.02; $M_{\phi r}$-0.06±.02; Best double couple: NP1:ϕ_s115.00000°,δ45.00000°,λ94.00000°.
NP2:ϕ_s289.00000°,δ45.00000°,λ86.00000°. Principal axes: T 1.6800,Plg87.0000°
,Azm120.0000°; N 0.2900,Plg3.0000°,Azm292.0000°; P -1.9800,Plg0.0000°,Azm22.0000°
$M_0$1.80000×10^{17}
IDC VII 29 07 08 40.0–3.3 5.01S 145.45E 0 4.0,3.9b
¶12698479
IDC Error ellipse: s-maj=95.9km s-min=27.6km az=104.0.
ISC VII 30 03 11 37.8–1.6 7.35S–.08 148.4E–.20 40–15 4.2b,3.1s 29 2-147
ISCJB VII 30 03 11 34.5–5.3 7.31S–.10 148.4E–.20 27–37 4.2b,3.1s **¶11812895**
NEIC VII 30 03 11 37.8–.48 7.38S 148.51E 45 4.3b,3.1s
IDC VII 30 03 11 38.3–.84 7.37S 148.39E 45–5 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.8km s-min=16.1km az=2.8.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=6.7km az=101.0.
IDC Error ellipse: s-maj=28.4km s-min=12.0km az=106.0.
ISC VII 30 09 23 35.2–1.8 7.35S–.08 148.3E–.10 47–17 4.3b,3.2s 35 2-89
ISCJB VII 30 09 23 32.9–2.3 7.34S–.07 148.3E–.10 42–21 4.3b,3.2s **¶11812912**
IDC VII 30 09 23 34.6–.73 7.36S 148.39E 44–5 4.1,4.1
NEIC VII 30 09 23 34.9–.38 7.35S 148.26E 45 4.7b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=11.8km az=168.7.
IDC Error ellipse: s-maj=24.8km s-min=12.9km az=92.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.9km az=106.0.
ISC VII 30 20 20 47.4–3.7 5.3S–.20 146.7E–.20 37–36 3.4b 9 4-85
IDC VII 30 20 20 42.0–1.5 5.24S 146.58E 0 3.9L,3.8 **¶11812958**
NEIC VII 30 20 20 47.2–1.0 5.31S 146.69E 35 3.9L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=53.5km s-min=24.1km az=105.0.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=13.6km az=93.0.
ISC VIII 03 21 14 49.5–2.4 5.9S–.10 147.4E–.20 81–22 3.6b 19 4-94
IDC VIII 03 21 14 38.9–1.7 5.80S 147.58E 0 3.9,3.8 **¶11907744**
NEIC VIII 03 21 14 49.0–1.5 5.76S 147.38E 78–15 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=69.1km s-min=29.1km az=120.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=11.0km az=98.0.
ISC VIII 03 22 44 55.5–1.8 6.37S–.10 147.57E–.10 41–19 4.0b,3.0s 29 3-87
IDC VIII 03 22 44 48.9–1.5 6.33S 147.70E 0 4.1,3.9 **¶11907749**
ISCJB VIII 03 22 44 53.6–2.2 6.36S–.09 147.59E–.09 41–22 4.0b,3.1s
NEIC VIII 03 22 44 55.1–1.2 6.34S 147.55E 38–13 4.2b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=56.1km s-min=22.8km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=13.1km az=44.4.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.7km az=138.0.
ISC VIII 04 00 48 26.3–1.3 7.19S–.08 147.86E–.09 57–14 3.8b,3.2s 27 2-146
ISCJB VIII 04 00 48 22.9–1.7 7.11S–.07 147.88E–.09 42–17 3.8b,3.2s **¶11907752**
IDC VIII 04 00 48 25.9–1.1 7.19S 147.88E 52–6 3.8,3.7
NEIC VIII 04 00 48 26.6–1.2 7.18S 147.88E 61–12 3.9b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=10.9km az=27.6.
IDC Error ellipse: s-maj=36.2km s-min=16.8km az=106.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.8km az=127.0.
IDC VIII 06 10 34 48.1–7.6 5.12S 147.98E 0 3.8,3.8
¶12580941
IDC Error ellipse: s-maj=282.2km s-min=35.1km az=102.0.
ISC VIII 08 00 16 46.0–1.9 5.77S–.05 146.81E–.07 11–12 4.3b 50 4-152
IDC VIII 08 00 16 44.1–1.1 5.75S 146.86E 0 4.3,4.2 **¶11907941**
NEIC VIII 08 00 16 50.6–.87 5.82S 146.79E 47–8 4.4b,4.2
DJA VIII 08 00 16 50 5.81S 147.29E 67 5.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=18.4km az=97.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.9km az=93.0.
IDC VIII 09 05 20 16.4–3.5 5.37S 147.24E 173–31 3.7,3.5b
¶12580986
IDC Error ellipse: s-maj=60.4km s-min=18.3km az=119.0.
IDC VIII 11 02 07 22.1–2.3 5.62S 147.34E 0 3.8,3.5b
¶12581017
IDC Error ellipse: s-maj=159.7km s-min=34.8km az=120.0.
IDC VIII 14 13 19 44.8–3.2 6.58S 147.99E 0 4.0,3.8b
¶12581074
IDC Error ellipse: s-maj=103.5km s-min=26.4km az=117.0.
IDC VIII 14 19 03 56.5–1.8 5.33S 145.87E 0 3.8,3.6
¶12581082
IDC Error ellipse: s-maj=73.2km s-min=28.9km az=120.0.
IDC VIII 17 11 53 21.1–1.9 5.13S 147.57E 0 4.4,4.1
¶12581153
IDC Error ellipse: s-maj=106.8km s-min=25.9km az=125.0.
IDC VIII 19 12 27 57.3–2.0 5.11S 147.95E 0 4.0,3.7
¶12581198
IDC Error ellipse: s-maj=131.2km s-min=26.6km az=126.0.
ISC VIII 21 23 46 34.4–1.6 5.20S–.08 146.05E–.10 192–16 4.1b 33 4-151
ISCJB VIII 21 23 46 33.3–1.6 5.20S–.08 146.02E–.10 196–16 4.1b **¶11908560**
NEIC VIII 21 23 46 34.5–1.1 5.20S 146.06E 196–11 4.2b
IDC VIII 21 23 46 34.4–7.0 5.20S 146.10E 195–65 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=12.8km az=24.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.0km az=109.0.
IDC Error ellipse: s-maj=35.3km s-min=22.9km az=80.0.
ISC VIII 22 14 54 20.8–3.0 6.6S–.20 146.4E–.20 116–28 3.6b 12 3-86
NEIC VIII 22 14 54 17.2–3.8 6.13S 146.20E 90–33 3.1b **¶11908591**
ISCJB VIII 22 14 54 20.5–3.3 6.6S–.20 146.4E–.20 124–31 3.6b
IDC VIII 22 14 54 24.4–10 6.28S 146.02E 157–106 3.5,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=47.8km s-min=26.1km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=43.6km s-min=20.2km az=136.5.
IDC Error ellipse: s-maj=70.4km s-min=45.0km az=119.0.
ISC VIII 24 02 03 43.1–7.3 10.34S–.09 150.3E–.10 20–45 4.3b,3.9s 35 3-149
BJI VIII 24 02 03 38.0 10.40S 150.50E 5 5.1b,4.8b **¶11653062**
IDC VIII 24 02 03 39.3–.87 10.38S 150.52E 0 4.5L,4.4
NEIC VIII 24 02 03 40.0–6.0 10.36S 150.47E 5–36 4.7b,4.4
ISC Event type fe.
IDC Error ellipse: s-maj=33.5km s-min=16.2km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=19.6km s-min=9.1km az=77.0. Felt at Alotau.
ISC VIII 25 18 14 46.4–2.4 10.36S–.10 149.8E–.10 55–20 4.0b 19 3-155
IDC VIII 25 18 14 38.3–2.0 9.94S 150.10E 0 4.0,3.9 **¶11908795**
NEIC VIII 25 18 14 44.3–3.6 10.18S 150.14E 50–27 3.7b,3.9
ISCJB VIII 25 18 14 45.1–1.9 10.39S–.09 149.8E–.10 63–16 4.0b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 27 04 11 21.5–1.4 5.47S–.10 147.1E–.20 216–15 3.9b 24 4-97
ISCJB VIII 27 04 11 17.5–1.4 5.31S–.10 147.1E–.20 189–16 3.9b **¶11908894**
NEIC VIII 27 04 11 19.2–1.8 5.34S 147.06E 191–20 4.1b
IDC VIII 27 04 11 25.3–3.0 5.51S 147.08E 255–29 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.4km s-min=10.2km az=26.5.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=13.7km az=124.0.
IDC Error ellipse: s-maj=37.2km s-min=10.4km az=115.0.
IDC VIII 27 16 09 21.4–8.5 5.31S 145.85E 0 4.3L,4.0
¶12581468
IDC Error ellipse: s-maj=127.8km s-min=68.9km az=20.0.
ISC VIII 27 16 16 01.3–1.4 6.21S–.07 147.9E–.10 58–13 4.3b,3.4s 29 3-146
NEIC VIII 27 16 16 00.9–1.5 6.16S 147.99E 59–14 4.6b,3.4s **¶11908933**
IDC VIII 27 16 16 04.0–3.2 6.24S 147.98E 87–31 4.0,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.6km az=87.0.
IDC Error ellipse: s-maj=32.0km s-min=10.4km az=113.0.
IDC VIII 28 10 23 36.8–1.6 8.25S 148.45E 0 3.7,3.6L
NEIC VIII 28 10 23 42.8–1.2 8.33S 148.40E 35 3.6b,3.6L **¶11908995**
IDC Error ellipse: s-maj=52.7km s-min=25.8km az=121.0.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=18.2km az=114.0.
IDC VIII 28 11 55 35.3–1.9 5.47S 146.50E 0 3.7,3.5
¶12581503
IDC Error ellipse: s-maj=130.1km s-min=26.4km az=126.0.
ISC VIII 29 15 12 19.3–2.5 6.3S–.10 147.9E–.40 35 3.6b 8 3-65
IDC VIII 29 15 12 09.1–4.3 6.49S 148.91E 0 3.8,3.7b **¶11909076**
ISCJB VIII 29 15 12 17.0–2.5 6.2S–.10 147.9E–.40 33 3.6b,3.7b
NEIC VIII 29 15 12 18.7–2.1 6.25S 148.01E 35 3.8b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=110.9km s-min=31.5km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=57.2km s-min=20.2km az=5.1.
NEIC Event type se. Error ellipse: s-maj=52.7km s-min=16.2km az=96.0.
IDC VIII 29 20 40 05.0–3.2 5.49S 147.95E 178–30 3.7,3.6b
¶12581553
IDC Error ellipse: s-maj=34.2km s-min=15.6km az=112.0.
ISC VIII 30 06 54 07.2–.57 6.14S–.02 147.37E–.02 68–5 6.1b 675 3-168
BJI VIII 30 06 54 02.7 6.19S 147.91E 75 6.3b,6.1s **¶13392935**
MOS VIII 30 06 54 02.0–1.2 5.99S 147.25E 33 6.3b,5.9s
ISCJB VIII 30 06 54 03.6–.61 6.13S–.02 147.33E–.02 51–5 6.2b,5.9s

DJA VIII 30 06 54 04 6.12S 147.79E 44 6.8W,5.9s
IDC VIII 30 06 54 06.0–.87 6.12S 147.27E 56–6 5.8,5.8
TEH VIII 30 06 54 06.0 6.19S 147.26E 56 5.8,5.8
NEIC VIII 30 06 54 07.6–.10 6.15S 147.26E 75 6.3W,6.3W
GCMT VIII 30 06 54 14.2–.10 6.33S 147.49E 88–0 6.4W,6.3W
ISC Event type fe.
MOS Error ellipse: s-maj=7.4km s-min=5.0km az=94.6.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.0km az=15.0.
IDC Error ellipse: s-maj=10.2km s-min=7.5km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=4.1km az=87.0. Felt at Goroka, Lae, Madang, Mount Hagen and Port Moresby. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s95 Moment tensor: Scale 10^{18}Nm; M_{rr}1.15 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-2.32 $M_{r\theta}$2.24 $M_{\theta\phi}$-1.19 $M_{\phi r}$0.06 Best double couple: NP1:ϕ_s56.00000°,δ72.00000°,λ137.00000°. NP2:ϕ_s162.00000°,δ50.00000°,λ24.00000°. Principal axes: T 3.5100,Plg42.0000°,Azm10.0000° ; N -0.6500,Plg44.0000°,Azm217.0000°; P -2.8600,Plg13.0000°,Azm113.0000° M_o3.20000×10^{18} Moment Tensor Solution. M_o2.90000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=117, comp=288, per= 50. Moment Tensor Solution. s117,c294; s91,c155; Moment tensor: Scale 10^{18}Nm; M_{rr}0.59±.03 $M_{\theta\theta}$3.18±.03; $M_{\phi\phi}$-3.77±.03; $M_{r\theta}$2.87±.02; $M_{\theta\phi}$-2.24±.02; $M_{\phi r}$0.26±.02; Best double couple: NP1:ϕ_s156.00000°,δ59.00000°,λ13.00000°. NP2:ϕ_s59.00000°,δ79.00000°,λ148.00000°. Principal axes: T 5.3800,Plg30.0000°,Azm13.0000°; N -0.6900,Plg57.0000°,Azm222.0000° ; P -4.6800,Plg13.0000°,Azm111.0000° M_o5.00000×10^{18}
IDC VIII 30 07 07 42.4–3.7 6.10S 147.66E 36–21 4.5b,4.5
¶12581565
IDC Error ellipse: s-maj=54.7km s-min=24.1km az=118.0.
ISC VIII 30 09 38 09.2–1.2 5.5S–.10 147.2E–.20 210–14 3.7b 19 4-145
ISCJB VIII 30 09 38 05.9–1.4 5.28S–.09 147.1E–.10 188–15 3.8b **¶11909112**
NEIC VIII 30 09 38 08.7–1.9 5.35S 147.09E 205–20 3.7b
IDC VIII 30 09 38 12.0–2.8 5.46S 147.09E 238–26 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=10.6km az=28.3.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=15.2km az=129.0.
IDC Error ellipse: s-maj=36.2km s-min=10.0km az=117.0.
ISC VIII 31 12 12 01.2–.25 6.28S–.03 147.45E–.05 85 4.6b 121 3-153
BJI VIII 31 12 11 53.9 6.73S 148.00E 80 5.0b,4.8b **¶11227323**
MOS VIII 31 12 11 54.7–.82 6.02S 147.28E 33 4.9b,4.8b
IDC VIII 31 12 11 59.3–1.9 6.16S 147.42E 62–16 4.4,4.4
ISCJB VIII 31 12 11 59.4–.24 6.26S–.03 147.42E–.05 83 4.6b,4.4
NEIC VIII 31 12 12 00.7–.87 6.22S 147.43E 80–8 4.7b,4.4
GCMT VIII 31 12 12 04.6–.30 6.40S 147.58E 108–3 5.0W,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=13.0km s-min=7.2km az=96.5.
IDC Error ellipse: s-maj=15.8km s-min=9.8km az=101.0.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.2km az=1.7.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=6.1km az=84.0. Felt at Lae.
GCMT Event type se. Data Used: II IC IU G. Moment Tensor Solution. s21,c22; s64,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}1.30±.14 $M_{\theta\theta}$1.63±.12; $M_{\phi\phi}$-2.93±.14; $M_{r\theta}$1.45±.08; $M_{\theta\phi}$-2.11±.12; $M_{\phi r}$-0.29±.12; Best double couple: NP1:ϕ_s162.00000°,δ64.00000°,λ23.00000°. NP2:ϕ_s61.00000°,δ69.00000°,λ152.00000°. Principal axes: T 3.4500,Plg34.0000° ,Azm20.0000°; N 0.3300,Plg56.0000°,Azm207.0000°; P -3.7700,Plg3.0000°,Azm112.0000° M_o3.60000×10^{16}
IDC IX 01 11 28 38.1–2.6 6.84S 147.83E 0 4.0,3.9b
¶11909217
IDC Error ellipse: s-maj=58.7km s-min=40.6km az=106.0.
ISC IX 01 13 46 44.4–3.2 6.1S–.20 147.4E–.30 47–31 3.8b 14 3-146
IDC IX 01 13 46 38.1–1.5 6.05S 147.47E 0 3.9,3.7L **¶11909224**
ISCJB IX 01 13 46 42.5–3.8 6.0S–.20 147.4E–.30 45–36 3.8b,3.7L
NEIC IX 01 13 46 44.8–2.1 6.07S 147.46E 53–20 4.5b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=63.1km s-min=19.2km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=46.3km s-min=27.2km az=30.0.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=17.1km az=120.0.
ISC IX 02 11 28 12.9–.71 5.89S–.03 145.66E–.03 73–6 5.1b 223 4-151
BJI IX 02 11 28 07.0 6.23S 145.98E 68 5.0b,4.8s **¶11226750**
MOS IX 02 11 28 08.9–.94 5.75S 145.60E 52 5.1b,4.8s
ISCJB IX 02 11 28 10.5–.86 5.85S–.04 145.68E–.03 66–8 5.1b,4.8s
IDC IX 02 11 28 11.7–2.5 5.82S 145.54E 66–23 4.8,4.8
NEIC IX 02 11 28 12.1–.94 5.81S 145.63E 68–9 5.0b,4.8
DJA IX 02 11 28 13 5.99S 145.96E 98 5.4b,4.8
GCMT IX 02 11 28 16.9–.30 5.84S 145.52E 75–3 4.9W,4.8
ISC Event type fe.
MOS Error ellipse: s-maj=12.3km s-min=7.1km az=107.2.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.1km az=42.9.
IDC Error ellipse: s-maj=14.2km s-min=8.6km az=98.0.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=5.3km az=62.0. Felt at Goroka.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s29,c39; s55,c78; Moment tensor: Scale 10^{16}Nm; M_{rr}2.27±.19 $M_{\theta\theta}$-2.27±.15; $M_{\phi\phi}$0.01±.17; $M_{r\theta}$-1.68±.10; $M_{\theta\phi}$-1.19±.13; $M_{\phi r}$0.42±.13; Best double couple: NP1:ϕ_s45.00000°,δ35.00000°,λ53.00000°. NP2:ϕ_s268.00000°,δ63.00000°,λ113.00000°. Principal axes: T 3.0300,Plg64.0000° ,Azm217.0000°; N 0.1300,Plg20.0000°,Azm77.0000°; P -3.1500,Plg15.0000°,Azm341.0000° M_o3.10000×10^{16}
ISC IX 02 17 59 03.6–2.7 6.57S–.04 147.29E–.06 34–19 4.7b,3.9s 100 3-152
BJI IX 02 17 58 58.5 6.54S 147.65E 25 5.0b,4.9b **¶11909294**
IDC IX 02 17 58 58.8–.75 6.51S 147.26E 0 4.6,4.6
ISCJB IX 02 17 58 60.0–3.1 6.54S–.05 147.25E–.07 21–22 4.7b,3.9s
NEIC IX 02 17 59 00.6–3.6 6.52S 147.24E 14–22 4.8b,3.9s
DJA IX 02 17 59 22 7.07S 146.37E 139 5.0b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=9.1km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.2km az=172.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.7km az=83.0.
IDC IX 03 04 04 22.1–2.8 6.14S 147.95E 0 4.0,3.9b
¶11909343
IDC Error ellipse: s-maj=64.1km s-min=42.3km az=103.0.
ISC IX 04 11 57 45.0–2.1 5.2S–.20 147.0E–.20 144–17 3.9b 16 4-85
ISCJB IX 04 11 57 42.3–1.9 5.1S–.10 146.9E–.20 132–17 3.9b **¶11909456**
NEIC IX 04 11 57 42.2–2.6 5.02S 146.93E 119–22 3.9b
IDC IX 04 11 57 48.8–2.8 5.33S 146.96E 180–26 3.9,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.1km s-min=18.1km az=34.5.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=19.7km az=161.0.
IDC Error ellipse: s-maj=44.5km s-min=15.3km az=122.0.
IDC IX 04 22 33 30.1–2.3 7.82S 148.86E 0 3.9,3.6
¶11909496
IDC Error ellipse: s-maj=105.0km s-min=30.4km az=131.0.
ISC IX 11 18 13 25.8–1.9 6.17S–.10 147.4E–.10 65–17 3.9b 23 3-85
ISCJB IX 11 18 13 22.0–2.1 6.09S–.09 147.5E–.10 50–18 4.0b,3.6s **¶11910059**
IDC IX 11 18 13 22.2–3.4 6.11S 147.67E 39–23 4.0,4.0L
NEIC IX 11 18 13 24.6–1.8 6.15S 147.56E 60–17 4.5b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=15.3km az=12.3.
IDC Error ellipse: s-maj=48.1km s-min=19.2km az=102.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=14.2km az=118.0.
ISC IX 12 04 23 35.2–2.5 8.7S–.10 149.8E–.20 165–22 3.9b 17 11-150
NEIC IX 12 04 23 26.7–7.8 8.54S 149.94E 90–66 3.9b **¶11910090**
IDC IX 12 04 23 34.0–4.0 8.59S 149.68E 152–35 4.0,3.8b
ISCJB IX 12 04 23 36.5–4.2 8.8S–.20 149.7E–.20 188–37 3.9b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 12 07 05 28.3–1.9 4.74S 146.71E 0 4.0,3.8
¶11910094
IDC Error ellipse: s-maj=126.4km s-min=26.5km az=125.0.
ISC IX 16 16 56 28.2–2.0 6.1S–.10 147.5E–.20 60–20 3.9b 21 3-146
ISCJB IX 16 16 56 28.3–2.6 6.1S–.10 147.4E–.20 75–25 3.7b **¶11910412**
IDC IX 16 16 56 28.1–2.9 6.07S 147.58E 60–21 4.1L,3.8
NEIC IX 16 16 56 29.1–2.4 5.96S 147.31E 66–22 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.5km s-min=19.8km az=14.1.
IDC Error ellipse: s-maj=44.7km s-min=13.4km az=111.0.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=18.8km az=107.0.
ISC IX 18 11 24 57.2–3.4 6.8S–.30 147.8E–.20 81–26 3.5b 9 3-146
IDC IX 18 11 24 43.6–2.7 6.38S 148.15E 0 3.8,3.7b **¶11910549**
ISCJB IX 18 11 24 56.5–4.0 6.8S–.30 147.8E–.10 88–29 3.5b,3.7b
NEIC IX 18 11 24 58.0–3.1 6.86S 147.81E 85–22 3.5b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=62.0km s-min=41.8km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=58.0km s-min=18.3km az=162.5.
NEIC Event type se. Error ellipse: s-maj=42.7km s-min=13.9km az=161.0.
IDC IX 18 13 28 21.2–2.1 5.57S 145.73E 0 3.7,3.5b
¶11910553
IDC Error ellipse: s-maj=88.6km s-min=26.3km az=119.0.
ISC IX 19 15 37 07.7–1.2 6.41S–.06 147.29E–.05 64–12 4.4b 46 3-153
IDC IX 19 15 36 59.3–.71 6.31S 147.34E 0 4.4,4.4 **¶11910630**
BJI IX 19 15 37 02.6 6.40S 147.20E 43 4.9b,4.4s
ISCJB IX 19 15 37 06.5–1.6 6.43S–.07 147.26E–.06 70–16 4.3b,4.4s
NEIC IX 19 15 37 07.6–1.1 6.40S 147.24E 63–11 4.4b,4.4s
DJA IX 19 15 37 16 7.04S 146.56E 82 5.1b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=9.7km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=8.5km az=31.5.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.7km az=121.0.
ISC IX 21 08 34 08.0–2.4 5.5S–.20 147.3E–.20 191–22 4.1b 14 4-145
IDC IX 21 08 33 41.0–3.3 5.24S 148.43E 0 4.4,4.3 **¶11910755**
ISCJB IX 21 08 34 07.0–2.3 5.4S–.10 147.2E–.20 195–21 4.1b,4.3
NEIC IX 21 08 34 07.0–2.5 5.31S 147.34E 190–22 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=103.4km s-min=25.5km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=32.2km s-min=20.8km az=24.6.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=24.3km az=108.0.
ISC IX 22 03 12 00.8–2.6 5.7S–.10 146.2E–.20 51–29 4.0b 14 4-151
IDC IX 22 03 11 53.4–1.1 5.70S 146.39E 0 4.2,4.1 **¶11910806**
ISCJB IX 22 03 11 58.9–3.0 5.7S–.10 146.2E–.20 50–32 4.0b,4.1
NEIC IX 22 03 12 00.9–2.3 5.75S 146.22E 54–23 3.8b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=19.2km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=32.1km s-min=21.0km az=22.4.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=18.1km az=115.0.
ISC IX 22 06 39 09.5–1.2 5.5S–.10 146.3E–.10 35 3.9b 11 4-151
IDC IX 22 06 39 04.3–.97 5.54S 146.35E 0 4.1,4.0 **¶11910816**
ISCJB IX 22 06 39 08.0–1.2 5.6S–.10 146.3E–.10 33 3.9b,4.0
NEIC IX 22 06 39 10.3–2.4 5.52S 146.23E 42–19 4.7b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=52.2km s-min=23.2km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=17.6km az=16.4.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=16.0km az=179.0.
IDC IX 22 07 17 43.1–1.7 5.87S 147.00E 0 3.7,3.6
¶11910818
IDC Error ellipse: s-maj=106.9km s-min=27.8km az=126.0.
IDC IX 23 02 24 14.9–1.7 5.77S 146.10E 0 3.9L,3.8
¶11910871
IDC Error ellipse: s-maj=73.3km s-min=26.1km az=123.0.
IDC IX 23 08 56 49.7–1.6 5.10S 145.33E 0 4.1,3.9b
¶11910880
IDC Error ellipse: s-maj=52.2km s-min=23.7km az=111.0.
ISC IX 25 05 53 07.1–1.4 5.41S–.10 147.0E–.10 207–13 4.0b 22 4-145
ISCJB IX 25 05 53 04.2–1.5 5.26S–.10 146.99E–.10 194–13 4.0b **¶11910991**
NEIC IX 25 05 53 05.7–1.7 5.33S 146.99E 197–16 4.2b
IDC IX 25 05 53 09.2–3.0 5.46S 147.00E 229–28 4.0,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=10.8km az=43.4.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=12.7km az=152.0.
IDC Error ellipse: s-maj=35.0km s-min=11.7km az=118.0.
IDC IX 26 20 21 40.3–4.0 5.56S 145.91E 94–39 3.8,3.6
¶11911116
IDC Error ellipse: s-maj=49.0km s-min=17.1km az=113.0.
ISC IX 29 09 51 24.0–1.5 5.3S–.10 146.8E–.10 220–16 3.6b 14 4-145
ISCJB IX 29 09 51 23.4–1.5 5.4S–.10 146.8E–.10 230–18 3.6b **¶11911330**
NEIC IX 29 09 51 23.7–1.9 5.30S 146.79E 218–21 3.6b
IDC IX 29 09 51 26.2–2.5 5.46S 146.79E 245–26 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.3km s-min=13.0km az=40.2.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=12.3km az=151.0.
IDC Error ellipse: s-maj=30.1km s-min=10.9km az=112.0.
ISC X 02 17 18 43.5–1.3 5.76S–.07 147.0E–.10 89–13 4.1b 38 4-145
ISCJB X 02 17 18 39.1–1.6 5.61S–.07 147.1E–.10 64–15 4.2b **¶11911730**
NEIC X 02 17 18 42.8–1.4 5.70S 147.03E 84–13 4.7b
IDC X 02 17 18 46.7–3.0 5.79S 147.04E 121–28 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=10.5km az=22.4.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.0km az=104.0.
IDC Error ellipse: s-maj=33.0km s-min=9.8km az=112.0.
ISC X 03 09 30 38.4–2.6 6.4S–.10 147.4E–.20 56–25 3.9b,3.5s 23 3-146
IDC X 03 09 30 30.4–1.4 6.29S 147.48E 0 4.1,4.1L **¶12065771**
ISCJB X 03 09 30 37.0–2.6 6.4S–.10 147.4E–.20 60–24 3.9b,3.5s
NEIC X 03 09 30 36.3–.93 6.22S 147.33E 35 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=50.2km s-min=13.9km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=28.2km s-min=17.7km az=7.5.
NEIC Event type se. Error ellipse: s-maj=31.3km s-min=12.2km az=102.0.
IDC X 05 03 55 55.9–4.6 5.32S 146.79E 210–45 3.5,3.3b
¶12065967
IDC Error ellipse: s-maj=74.8km s-min=17.2km az=125.0.
ISC X 06 00 48 20.7–1.3 5.53S–.07 147.1E–.10 130–13 3.9b 29 4-94
ISCJB X 06 00 48 16.8–1.5 5.39S–.07 147.2E–.10 107–14 3.9b **¶12066081**
NEIC X 06 00 48 20.2–1.3 5.45S 147.12E 127–12 4.4b
IDC X 06 00 48 23.8–3.3 5.53S 147.07E 160–30 3.9,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=11.0km az=17.6.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.3km az=81.0.
IDC Error ellipse: s-maj=40.3km s-min=12.4km az=117.0.
IDC X 08 02 19 49.8–4.5 5.18S 145.79E 0 3.8L,3.6
¶12066309
IDC Error ellipse: s-maj=116.7km s-min=62.2km az=104.0.
ISC X 09 07 49 33.0–2.5 5.3S–.10 145.2E–.10 95–24 3.8b 22 5-86
IDC X 09 07 49 20.6–1.3 5.09S 145.52E 0 4.3,4.1L **¶12066407**
ISCJB X 09 07 49 31.2–2.9 5.2S–.10 145.2E–.10 93–27 3.8b,4.1L
NEIC X 09 07 49 33.0–2.0 5.27S 145.26E 97–19 4.5b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=21.2km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=23.3km s-min=20.6km az=167.8.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=15.2km az=129.0.
IDC X 09 18 47 28.1–5.1 7.01S 147.89E 163–48 3.6,3.4b
¶12066453
IDC Error ellipse: s-maj=81.3km s-min=17.1km az=129.0.
IDC X 12 00 08 08.3–2.3 4.72S 146.24E 0 3.7,3.4
¶12068428
IDC Error ellipse: s-maj=387.2km s-min=29.4km az=120.0.
IDC X 13 04 40 27.2–10 5.60S 147.78E 190–96 3.4,3.3
¶12068525
IDC Error ellipse: s-maj=59.7km s-min=37.3km az=106.0.
IDC X 14 18 27 21.5–1.6 5.79S 147.59E 0 3.8,3.7L
¶12068625
IDC Error ellipse: s-maj=98.9km s-min=27.0km az=118.0.
IDC X 16 18 17 27.6–7.0 5.15S 145.36E 62–63 3.6,3.5
¶12068813
IDC Error ellipse: s-maj=54.9km s-min=45.6km az=50.0.
ISC X 16 23 31 07.0–2.5 5.7S–.10 145.8E–.10 61–25 3.8b 18 4-81
ISCJB X 16 23 31 05.6–2.7 5.7S–.10 145.9E–.20 67–25 3.7b **¶12068842**
NEIC X 16 23 31 06.5–2.2 5.71S 145.87E 58–22 3.7b
IDC X 16 23 31 08.1–8.0 5.81S 145.84E 68–66 4.6L,4.0

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=18.4km az=157.9.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=14.1km az=86.0.
IDC Error ellipse: s-maj=75.2km s-min=51.6km az=50.0.
IDC X 17 08 55 26.8–5.9 6.50S 147.11E 97–45 3.6,3.5b
¶12068874

IDC Error ellipse: s-maj=66.1km s-min=47.9km az=89.0.
ISC X 17 22 11 17.6–1.0 5.80S–.07 146.7E–.20 35 3.6b,3.0s 19 4-152
IDC X 17 22 11 12.1–1.1 5.79S 146.78E 0 3.9,3.7 **¶12068929**
ISCJB X 17 22 11 15.5–.99 5.81S–.07 146.6E–.20 33 3.6b,3.0s
NEIC X 17 22 11 17.3–2.4 5.84S 146.76E 36–22 3.6b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=14.8km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=9.5km az=170.7.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=19.2km az=107.0.
ISC X 18 00 54 40.9–.11 6.96S–.02 147.29E–.02 84 5.7b 622 2-167
MOS X 18 00 54 36.0–1.1 6.86S 147.23E 55 5.9b,4.8s **¶13397379**
BJI X 18 00 54 38.8 6.50S 147.64E 79 5.7b,5.7b
ISCJB X 18 00 54 39.3–.11 6.94S–.02 147.24E–.02 82 5.7b,5.7b
NEIC X 18 00 54 39.6–.08 6.95S 147.27E 77 5.8b,5.7W
IDC X 18 00 54 40.4–.49 6.95S 147.25E 82–4 5.3,5.3
TEH X 18 00 54 41.0 6.95S 147.25E 87 5.3,5.3
GCMT X 18 00 54 43.7–.10 7.07S 147.26E 78–0 5.7W,5.3
DJA X 18 00 54 43 7.08S 147.39E 108 5.9W,5.3
BGS X 18 00 54 44.0–1.9 3.08S 150.65E 77–0 5.8b,5.3
ISC Event type fe.
MOS Error ellipse: s-maj=11.4km s-min=7.7km az=90.6.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.7km az=1.2.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=3.0km az=106.0. Felt at Lae. Moment Tensor Solution. s50 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.95 $M_{\theta\theta}$3.29 $M_{\phi\phi}$-0.34 $M_{r\theta}$-1.70 $M_{\theta\phi}$-0.20 $M_{\phi r}$0.95 Best double couple: NP1:ϕ_s107.00000°,δ61.00000°,λ-75.00000°. NP2: ϕ_s258.00000°,δ32.00000°,λ-115.00000°. Principal axes: T 3.7700,Plg14.0000° ,Azm186.0000°; N -0.1500,Plg12.0000°,Azm279.0000°; P -3.6200,Plg70.0000° ,Azm49.0000° $M_0$3.70000×10^{17}
IDC Error ellipse: s-maj=10.1km s-min=6.2km az=86.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=107, comp=231, per= 50. Moment Tensor Solution. s101,c218; s51,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.95±.04 $M_{\theta\theta}$3.64±.03; $M_{\phi\phi}$-0.69±.04; $M_{r\theta}$-1.81±.03; $M_{\theta\phi}$-1.19±.03; $M_{\phi r}$0.80±.03; Best double couple: NP1:ϕ_s276.00000°,δ31.00000°,λ-103.00000°. NP2:ϕ_s111.00000°,δ60.00000°,λ-82.00000°. Principal axes: T 4.4600,Plg15.0000°,Azm195.0000°; N -0.9600,Plg7.0000°,Azm287.0000° ; P -3.5000,Plg74.0000°,Azm41.0000° $M_0$4.00000×10^{17}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC X 18 06 44 01.0–.99 6.19S–.07 147.0E–.20 35 3.6b 21 3-152
IDC X 18 06 43 55.7–1.3 6.20S 147.29E 0 3.8,3.7b **¶12068958**
ISCJB X 18 06 43 59.2–.97 6.20S–.07 147.0E–.20 33 3.6b,3.7b
NEIC X 18 06 44 00.9–.62 6.27S 147.16E 35 4.0b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=14.5km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=9.7km az=178.5.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=9.1km az=101.0.
ISC X 18 12 45 29.1–1.4 5.47S–.09 147.2E–.10 176–12 4.0b 36 4-145
ISCJB X 18 12 45 26.7–1.7 5.4S–.10 147.2E–.10 170–15 4.0b **¶12068973**
NEIC X 18 12 45 28.9–1.5 5.34S 147.24E 180–14 4.5b
IDC X 18 12 45 28.4–1.7 5.47S 147.19E 173–15 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=11.0km az=41.9.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.3km az=148.0.
IDC Error ellipse: s-maj=22.4km s-min=10.6km az=114.0.
IDC X 19 09 46 15.1–8.4 5.10S 147.55E 163–92 3.2,3.0b
¶12069031

IDC Error ellipse: s-maj=188.7km s-min=55.3km az=125.0.
ISC X 25 02 29 42.3–1.5 6.6S–.20 147.5E–.20 35 3.4b 6 3-146
IDC X 25 02 29 37.1–1.5 6.55S 147.37E 0 3.6,3.5 **¶12071051**
ISCJB X 25 02 29 40.7–1.5 6.6S–.20 147.5E–.20 33 3.4b,3.5
ISC X 25 02 29 55.5–1.1 6.45S–.08 147.0E–.20 35 3.9b 19 3-145
IDC X 25 02 29 48.6–1.5 6.49S 147.44E 0 4.2,4.0 **¶12071052**
NEIC X 25 02 29 52.6–1.2 6.75S 147.73E 35 4.0b,4.0
ISCJB X 25 02 29 53.6–1.0 6.46S–.08 147.0E–.20 33 3.9b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 25 02 54 25.5–1.5 6.38S 147.06E 0 3.6,3.5
¶12071053

IDC Error ellipse: s-maj=45.8km s-min=23.5km az=109.0.
IDC X 26 18 06 24.3–7.1 5.71S 147.05E 136–75 3.4,3.2b
¶12071175

IDC Error ellipse: s-maj=85.9km s-min=26.6km az=140.0.
ISC X 29 09 37 37.5–3.1 6.60S–.04 147.46E–.10 11–20 4.4b,3.8s 55 3-153
IDC X 29 09 37 35.1–1.0 6.61S 147.60E 0 4.4,4.3 **¶12071446**
NEIC X 29 09 37 40.9–1.1 6.67S 147.43E 35 4.9b,4.3
DJA X 29 09 37 47 7.22S 147.74E 121 4.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=11.7km az=105.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=9.9km az=90.0.
ISC X 30 01 21 42.4–1.7 6.79S–.09 147.8E–.10 59–17 4.2b,3.3s 44 3-153
ISCJB X 30 01 21 41.3–1.9 6.79S–.09 147.8E–.10 65–19 4.1b,3.3s **¶12071583**
NEIC X 30 01 21 42.2–1.4 6.78S 147.80E 53–13 4.5b,3.3s
IDC X 30 01 21 42.5–2.0 6.83S 147.93E 62–19 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=11.6km az=30.7.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.2km az=120.0.
IDC Error ellipse: s-maj=29.9km s-min=11.2km az=111.0.
ISC X 31 05 07 41.9–3.1 5.8S–.20 146.9E–.10 52–22 3.8b 21 4-145
IDC X 31 05 07 33.5–1.9 5.63S 147.09E 0 4.0,3.9 **¶12071710**
NEIC X 31 05 07 39.0–1.2 5.61S 146.96E 35 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=32.9km az=81.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=15.1km az=215.0.
ISC X 31 12 31 04.0–1.3 5.5S–.10 145.4E–.10 35 3.5b 15 4-86
IDC X 31 12 30 58.4–1.7 5.45S 145.46E 0 3.9,3.7 **¶12071732**
ISCJB X 31 12 31 02.4–1.3 5.5S–.10 145.4E–.10 33 3.5b,3.7
NEIC X 31 12 31 04.1–1.3 5.56S 145.43E 35 3.3b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=26.8km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=13.6km az=142.7.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=18.5km az=128.0.
ISC XI 06 09 43 03.4–3.2 5.4S–.20 147.4E–.20 175–31 3.7b 15 4-145
ISCJB XI 06 09 43 02.9–3.0 5.4S–.20 147.3E–.20 183–29 3.7b **¶12072514**
NEIC XI 06 09 43 03.2–2.6 5.26S 147.25E 175–26 4.0b
IDC XI 06 09 43 04.5–5.2 5.55S 147.51E 190–57 3.7,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=41.8km s-min=26.1km az=140.2.
NEIC Event type se. Error ellipse: s-maj=42.0km s-min=15.8km az=141.0.
IDC Error ellipse: s-maj=87.2km s-min=25.8km az=137.0.
IDC XI 08 08 06 34.4–1.4 5.80S 147.46E 0 4.2,4.0b
¶12072796

IDC Error ellipse: s-maj=51.6km s-min=23.9km az=114.0.
NEIC XI 09 03 35 33.9–5.4 5.55S 147.45E 156–47
IDC XI 09 03 35 16.8–3.8 4.51S 146.77E 0 4.3,4.1L **¶12072918**
NEIC Event type se. Error ellipse: s-maj=91.8km s-min=32.0km az=145.0.
IDC Error ellipse: s-maj=65.4km s-min=47.7km az=62.0.
ISC XI 15 07 45 25.0–2.9 6.4S–.10 146.6E–.10 44–28 3.7b 25 3-145
IDC XI 15 07 45 18.4–1.1 6.32S 146.83E 0 3.9,3.9 **¶12073604**
ISCJB XI 15 07 45 22.7–3.0 6.3S–.10 146.6E–.10 40–28 3.7b,3.9
NEIC XI 15 07 45 23.6–.82 6.40S 146.75E 35 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=15.0km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=18.3km az=168.7.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=11.9km az=98.0.
IDC XI 15 10 27 52.3–1.9 6.37S 147.04E 0 3.4,3.2
¶12073621

IDC Error ellipse: s-maj=60.0km s-min=26.1km az=107.0.
ISC XI 17 08 07 13.0–.74 5.46S–.04 147.06E–.05 193–7 4.5b 127 4-152
BJI XI 17 08 07 06.8 5.94S 147.43E 190 5.0b,4.5b **¶11473051**
ISCJB XI 17 08 07 10.8–.84 5.37S–.04 147.13E–.05 188–8 4.6b,4.5b
MOS XI 17 08 07 11.0–.96 5.34S 147.03E 193 4.6b,4.5b
IDC XI 17 08 07 12.5–.65 5.44S 147.04E 191–5 4.3,4.2
NEIC XI 17 08 07 13.1–1.1 5.40S 147.06E 197–11 4.8b,4.2
DJA XI 17 08 07 14 5.42S 146.97E 199 5.1b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.1km az=8.0.
MOS Error ellipse: s-maj=13.3km s-min=8.7km az=92.3.
IDC Error ellipse: s-maj=11.4km s-min=7.9km az=99.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=8.3km az=196.0.
ISC XI 18 13 04 29.9–3.1 5.2S–.20 147.1E–.20 157–27 4.0b 19 4-85
IDC XI 18 13 04 22.4–9.1 4.73S 146.70E 75–92 4.3L,4.0 **¶12074009**
ISCJB XI 18 13 04 29.7–3.1 5.2S–.20 147.1E–.20 168–26 4.0b,4.0
NEIC XI 18 13 04 29.4–2.9 5.13S 147.08E 152–25 3.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=97.0km s-min=29.6km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=39.7km s-min=25.9km az=142.5.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=21.9km az=148.0.
ISC XI 21 02 17 15.3–2.0 6.5S–.10 147.4E–.10 69–15 4.5b 35 3-152
ISCJB XI 21 02 17 14.1–2.9 6.5S–.10 147.4E–.10 72–21 4.5b **¶12074357**
NEIC XI 21 02 17 16.0–2.6 6.54S 147.57E 86–21 4.1b
IDC XI 21 02 17 16.6–4.3 6.72S 147.80E 92–33 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.8km s-min=19.3km az=136.4.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=22.4km az=100.0.
IDC Error ellipse: s-maj=40.8km s-min=26.8km az=74.0.
IDC XI 21 04 47 33.0–3.0 6.29S 147.35E 0 3.4,3.3b
¶12074369

IDC Error ellipse: s-maj=63.4km s-min=30.7km az=84.0.
ISC XI 21 06 53 37.8–.95 9.8S–.10 150.9E–.10 10 3.7b 23 4-150
IDC XI 21 06 53 35.1–1.2 9.89S 151.17E 0 3.9,3.8 **¶12074377**
ISCJB XI 21 06 53 36.9–.97 9.8S–.10 150.8E–.10 10 3.7b,3.8
NEIC XI 21 06 53 36.9–.81 9.88S 151.11E 10 3.7b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=20.3km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=12.8km az=43.5.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=11.1km az=126.0.
ISC XI 22 04 59 27.5–1.9 5.8S–.10 146.9E–.10 120–13 4.2b 37 4-145
NEIC XI 22 04 59 23.5–1.9 5.51S 147.16E 116–16 4.3b **¶12074474**
IDC XI 22 04 59 26.7–2.2 5.81S 147.25E 140–19 4.0,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=13.5km az=140.0.
IDC Error ellipse: s-maj=36.7km s-min=13.6km az=118.0.
IDC XI 23 14 40 40.6–1.7 5.40S 146.34E 0 3.5,3.5s
¶12074598

IDC Error ellipse: s-maj=63.1km s-min=27.4km az=112.0.
ISC XI 24 19 53 35.0–.73 5.89S–.03 147.11E–.05 95–7 4.8b 144 3-152
BJI XI 24 19 53 31.3 5.62S 147.38E 80 5.1b,4.8s **¶11473355**
ISCJB XI 24 19 53 32.3–.90 5.81S–.04 147.13E–.05 85–8 4.8b,4.8s
DJA XI 24 19 53 32 5.78S 147.65E 107 5.4b,4.8s
IDC XI 24 19 53 34.0–1.6 5.84S 146.97E 82–14 4.5,4.5
NEIC XI 24 19 53 34.7–.98 5.79S 147.03E 90–9 4.9b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.8km az=4.7.
IDC Error ellipse: s-maj=16.5km s-min=7.5km az=102.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.1km az=97.0.
ISC XI 25 13 55 16.6–6.1 5.9S–.20 147.4E–.30 28–44 3.5b 16 4-26
IDC XI 25 13 55 14.0–5.4 6.06S 147.48E 0 3.9b,3.9 **¶12074786**
NEIC XI 25 13 55 16.8–3.8 5.88S 147.56E 35 3.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=82.6km s-min=43.4km az=59.0.
NEIC Event type se. Error ellipse: s-maj=52.8km s-min=26.0km az=48.0.
ISC XI 27 21 53 58.7–2.1 5.6S–.20 147.8E–.20 215–23 15 4-146
IDC XI 27 21 53 54.7–22 5.56S 147.83E 170–192 4.1L,3.2 **¶12075081**
ISCJB XI 27 21 53 57.9–2.2 5.6S–.20 147.7E–.30 221–24 4.1L,3.2
NEIC XI 27 21 53 58.4–1.7 5.64S 147.77E 211–17 4.0b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=150.3km s-min=91.5km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=45.1km s-min=23.9km az=28.5.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=15.5km az=115.0.
IDC XII 01 17 31 55.8–4.7 5.74S 145.82E 75–49 3.8,3.7b
¶12075437

IDC Error ellipse: s-maj=36.4km s-min=22.0km az=125.0.
ISC XII 03 01 52 22.6–.86 6.03S–.04 147.81E–.05 55–8 4.8b,4.3s 158 3-146
IDC XII 03 01 52 20.8–.63 5.94S 147.76E 40–5 4.6L,4.3 **¶11490885**
BJI XII 03 01 52 20.5 5.74S 147.60E 36 5.1b,4.9s
MOS XII 03 01 52 20.1–1.2 5.99S 147.74E 47 5.0b,4.9s
ISCJB XII 03 01 52 20.4–1.1 6.02S–.04 147.83E–.06 52–10 4.8b,4.3s
NEIC XII 03 01 52 21.9–.64 5.97S 147.75E 52–6 5.0b,4.3s
GCMT XII 03 01 52 24.8–.20 6.06S 147.84E 29–1 5.2W,4.3s
DJA XII 03 01 52 32 6.53S 147.48E 74 5.1b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=7.8km az=105.0.
MOS Error ellipse: s-maj=13.6km s-min=7.8km az=89.4.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.2km az=178.3.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.3km az=81.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s52,c72; s84,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}0.25±.22 $M_{\theta\theta}$-3.01±.16; $M_{\phi\phi}$2.76±.19; $M_{r\theta}$-0.05±.30; $M_{\theta\phi}$6.42±.15; $M_{\phi r}$-0.74±.32; Best double couple: NP1:ϕ_s258.00000°,δ84.00000°,λ2.00000°. NP2:ϕ_s168.00000°,δ88.00000°,λ174.00000°. Principal axes: T 6.9800,Plg6.0000° ,Azm123.0000°; N 0.2000,Plg84.0000°,Azm330.0000°; P -7.1800,Plg3.0000°,Azm213.0000° $M_0$7.10000×10^{16}
IDC XII 03 05 13 36.8–7.0 5.42S 146.68E 152–72 3.4,3.2b
¶12075590

IDC Error ellipse: s-maj=79.8km s-min=24.8km az=141.0.
IDC XII 04 02 59 15.8–3.8 6.74S 146.82E 136–36 3.3,3.2b
¶12075675

IDC Error ellipse: s-maj=49.3km s-min=25.1km az=133.0.
IDC XII 04 08 42 53.5–1.8 5.77S 146.56E 0 4.4s,4.4
¶12075710

IDC Error ellipse: s-maj=46.5km s-min=27.2km az=108.0.
IDC XII 06 01 00 32.1–3.5 7.49S 148.41E 65–39 3.8,3.5b
¶12075959

IDC Error ellipse: s-maj=96.0km s-min=17.8km az=135.0.
IDC XII 06 02 57 48.5–7.1 6.41S 146.92E 95–74 3.2,3.1b
¶12075970

IDC Error ellipse: s-maj=74.8km s-min=31.9km az=141.0.
ISC XII 08 12 00 15.9–2.5 8.1S–.10 148.5E–.20 74–19 3.8b 34 2-147
NEIC XII 08 12 00 15.7–1.9 8.08S 148.45E 72–16 4.0b **¶12076353**
ISCJB XII 08 12 00 16.1–1.6 8.1S–.10 148.4E–.20 90–12 3.8b
IDC XII 08 12 00 19.4–1.8 8.18S 148.20E 101–14 3.7,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=11.7km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=32.8km s-min=11.9km az=28.3.
IDC Error ellipse: s-maj=34.6km s-min=15.1km az=120.0.
NEIC XII 09 09 36 56.1–4.2 5.66S 147.55E 192–44 4.0b
IDC XII 09 09 36 54.9–2.7 5.59S 147.40E 165–28 3.5,3.4b **¶12076513**
NEIC Event type se. Error ellipse: s-maj=93.7km s-min=33.3km az=133.0.
IDC Error ellipse: s-maj=80.1km s-min=23.6km az=101.0.
ISC XII 12 17 19 19.9–2.9 5.1S–.10 147.5E–.10 90–27 4.0b 26 4-145
NEIC XII 12 17 19 18.4–2.1 5.08S 147.64E 80–19 4.4b **¶12077150**
IDC XII 12 17 19 22.9–4.6 5.06S 147.45E 113–48 3.8,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=13.7km az=136.0.
IDC Error ellipse: s-maj=48.3km s-min=27.6km az=128.0.
IDC XII 12 17 35 27.1–1.5 5.00S 146.97E 0 3.8,3.6b
¶12077154

IDC Error ellipse: s-maj=50.8km s-min=23.7km az=112.0.

ISC	**XII**	**16 09 05 53.7–3.4**	**6.9S–.20**	**147.8E–.30**	**58–32**	**3.6b**	**17**	**3-146**
IDC	XII	16 09 05 46.0–1.4	7.10S	148.21E	0	3.8,3.7L		¶12077734
NEIC	XII	16 09 05 51.4–.93	6.88S	147.83E	35	3.5b,3.7L		
ISCJB	XII	16 09 05 53.6–3.3	7.0S–.20	147.8E–.30	70–30	3.5b,3.7L		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							
ISC	**XII**	**17 08 09 58.9–.20**	**7.25S–.03**	**147.88E–.04**	**50**	**5.1b,4.3s**	**258**	**2-153**
MOS	XII	17 08 09 55.2–.96	7.15S	147.94E	33	5.3b,4.2s		¶12077889
BJI	XII	17 08 09 55.7	7.58S	148.07E	58	5.1b,4.9s		
ISCJB	XII	17 08 09 57.0–.20	7.23S–.03	147.85E–.04	48	5.1b,4.3s		
IDC	XII	17 08 09 57.0–.46	7.19S	147.80E	34–2	4.8,4.8		
NEIC	XII	17 08 09 57.5–.44	7.18S	147.89E	39–4	5.3b,4.8		
DJA	XII	17 08 10 01	7.35S	147.84E	56	5.0b,4.8		
GCMT	XII	17 08 10 02.1–.20	7.40S	147.88E	46–1	5.3W,4.8		
ISC	Event type se.							
MOS	Error ellipse: s-maj=9.9km s-min=6.8km az=91.1.							
ISCJB	Event type se. Error ellipse: s-maj=5.8km s-min=3.9km az=1.4.							
IDC	Error ellipse: s-maj=13.3km s-min=8.4km az=117.0.							
NEIC	Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=87.0.							
GCMT	Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s60,c86; s90,c163; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.09±.22 $M_{\theta\theta}$7.00±.18; $M_{\phi\phi}$-5.91±.20; $M_{r\theta}$-1.38±.18; $M_{\theta\phi}$-3.33±.17; $M_{\phi r}$5.99±.25; Best double couple: NP1:ϕ_s243.00000°,δ53.00000°,λ-169.00000°. NP2:ϕ_s147.00000°,δ82.00000°,λ-38.00000°. Principal axes: T 8.8000,Plg19.0000° ,Azm201.0000°; N 1.4000,Plg51.0000°,Azm316.0000°; P -10.2000,Plg32.0000° ,Azm98.0000° $M_0$9.50000×10^{16}							
IDC	**XII**	**17 10 03 28.6–8.1**	**5.91S**	**145.78E**	**75–63**	**3.6,3.6s**		**¶12077899**
IDC	Error ellipse: s-maj=83.6km s-min=51.9km az=46.0.							
ISC	**XII**	**18 05 29 41.9–2.5**	**6.6S–.10**	**147.2E–.20**	**69–24**	**3.5b**	**31**	**3-145**
ISCJB	XII	18 05 29 39.3–2.9	6.6S–.10	147.2E–.20	58–27	3.6b		¶12078016
NEIC	XII	18 05 29 39.1–.72	6.41S	147.10E	35	3.9b		
IDC	XII	18 05 29 41.7–3.5	6.71S	147.57E	81–36	3.6,3.5		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=26.8km s-min=21.3km az=8.3.							
NEIC	Event type se. Error ellipse: s-maj=18.8km s-min=8.0km az=88.0.							
IDC	Error ellipse: s-maj=58.5km s-min=25.6km az=102.0.							
IDC	**XII**	**18 11 28 41.4–3.3**	**6.28S**	**147.86E**	**0**	**3.5,3.4b**		**¶12078051**
IDC	Error ellipse: s-maj=73.8km s-min=35.0km az=96.0.							
ISC	**XII**	**19 14 09 56.4–2.2**	**6.86S–.09**	**146.1E–.10**	**12–13**		**15**	**3-87**
ISCJB	XII	19 14 09 53.0–2.3	6.8S–.10	146.1E–.10	2–13			¶12078217
IDC	XII	19 14 09 54.0–1.7	6.67S	146.16E	0	3.6,3.4b		
NEIC	XII	19 14 09 59.1–1.2	6.87S	146.18E	35	3.6,3.4b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=22.4km s-min=14.4km az=141.5.							
IDC	Error ellipse: s-maj=39.0km s-min=19.1km az=78.0.							
NEIC	Event type se. Error ellipse: s-maj=22.7km s-min=16.2km az=121.0.							
ISC	**XII**	**21 07 11 46.9–4.9**	**10.0S–.10**	**150.7E–.40**	**62–36**	**3.5b**	**22**	**4-149**
IDC	XII	21 07 11 38.8–1.6	9.73S	150.80E	0	3.8,3.7		¶12078427
ISCJB	XII	21 07 11 43.3–6.4	10.1S–.20	150.9E–.40	52–45	3.5b,3.2s		
NEIC	XII	21 07 11 43.2–.89	9.94S	150.96E	35	3.6b,3.2s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=61.5km s-min=23.7km az=112.0.							
ISCJB	Event type se. Error ellipse: s-maj=74.6km s-min=19.4km az=16.7.							
NEIC	Event type se. Error ellipse: s-maj=22.2km s-min=12.3km az=124.0.							
IDC	**XII**	**22 03 45 01.9–5.0**	**5.88S**	**146.17E**	**101–50**	**3.5s,3.5**		**¶12078516**
IDC	Error ellipse: s-maj=48.3km s-min=30.0km az=120.0.							
ISC	**XII**	**22 08 46 01.4–1.7**	**5.6S–.10**	**147.2E–.20**	**200–17**	**3.7b**	**25**	**4-145**
ISCJB	XII	22 08 45 58.4–1.9	5.4S–.10	147.2E–.20	188–18	3.7b		¶12078534
IDC	XII	22 08 45 59.5–1.6	5.48S	147.14E	182–16	3.7,3.5		
NEIC	XII	22 08 46 00.5–1.5	5.49S	147.27E	196–14	4.2b,3.5		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=36.5km s-min=15.4km az=28.7.							
IDC	Error ellipse: s-maj=31.2km s-min=11.2km az=112.0.							
NEIC	Event type se. Error ellipse: s-maj=22.6km s-min=12.9km az=119.0.							
ISC	**XII**	**22 12 43 22.5–.74**	**5.54S–.04**	**146.98E–.05**	**145–7**	**4.5b**	**89**	**4-152**
BJI	XII	22 12 43 19.9	5.31S	147.63E	153	5.1b,4.6b		¶12078562
ISCJB	XII	22 12 43 21.1–.87	5.51S–.04	147.00E–.06	148–8	4.5b,4.6b		
NEIC	XII	22 12 43 22.6–1.0	5.51S	146.98E	150–9	4.8b,4.6b		
DJA	XII	22 12 43 24	5.79S	146.46E	10	5.2b,4.6b		
IDC	XII	22 12 43 24.9–2.3	5.54S	146.95E	170–21	4.3,4.3		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=9.3km s-min=6.3km az=163.9.							
NEIC	Event type se. Error ellipse: s-maj=8.6km s-min=7.1km az=106.0.							
IDC	Error ellipse: s-maj=13.8km s-min=7.9km az=105.0.							
ISC	**XII**	**23 12 19 53.6–5.5**	**6.4S–.30**	**146.9E–.50**	**43–57**	**3.6b**	**14**	**3-145**
IDC	XII	23 12 19 44.7–3.0	6.03S	147.09E	0	3.7,3.6b		¶12078674
NEIC	XII	23 12 19 49.2–1.9	6.09S	147.15E	35	3.8b,3.6b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=63.0km s-min=39.3km az=92.0.							
NEIC	Event type se. Error ellipse: s-maj=34.4km s-min=21.3km az=77.0.							
IDC	**XII**	**23 19 33 12.2–6.0**	**5.54S**	**147.14E**	**193–62**	**3.9,3.8b**		**¶12078710**
IDC	Error ellipse: s-maj=89.2km s-min=44.7km az=132.0.							
ISC	**XII**	**24 06 40 34.5–3.6**	**6.3S–.20**	**146.3E–.20**	**85–32**	**3.5b**	**19**	**3-144**
IDC	XII	24 06 40 33.7–5.4	6.34S	146.41E	79–51	3.5,3.3L		¶12078781
NEIC	XII	24 06 40 33.7–3.1	6.26S	146.33E	80–27	3.8b,3.3L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=56.6km s-min=28.2km az=135.0.							
NEIC	Event type se. Error ellipse: s-maj=34.3km s-min=20.1km az=146.0.							
ISC	**XII**	**25 00 37 32.6–1.9**	**6.89S–.09**	**147.9E–.20**	**68–18**	**4.0b**	**42**	**3-146**
IDC	XII	25 00 37 23.3–1.2	6.82S	148.17E	0	4.3,4.3		¶12078876
ISCJB	XII	25 00 37 30.6–2.1	6.84S–.08	147.9E–.20	63–19	4.1b,4.3		
NEIC	XII	25 00 37 32.6–1.9	6.88S	147.95E	67–19	4.0b,4.3		
ISC	Event type se.							
IDC	Error ellipse: s-maj=40.8km s-min=18.3km az=103.0.							
ISCJB	Event type se. Error ellipse: s-maj=25.3km s-min=13.3km az=1.7.							
NEIC	Event type se. Error ellipse: s-maj=24.9km s-min=14.2km az=108.0.							
ISC	**XII**	**25 10 16 01.5–6.0**	**5.84S–.08**	**147.2E–.20**	**5–37**	**3.8b**	**26**	**4-145**
ISCJB	XII	25 10 15 59.0–5.1	5.84S–.07	147.2E–.20	0–31	3.9b		¶12078918
IDC	XII	25 10 16 00.6–1.2	5.81S	147.23E	0	4.0,3.9		
NEIC	XII	25 10 16 05.7–.98	5.87S	147.24E	35	4.0b,3.9		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=30.1km s-min=12.4km az=179.1.							
IDC	Error ellipse: s-maj=44.8km s-min=19.2km az=97.0.							
NEIC	Event type se. Error ellipse: s-maj=29.9km s-min=12.2km az=102.0.							
IDC	**XII**	**25 12 34 04.6–5.7**	**7.04S**	**147.65E**	**97–38**	**3.2,3.1b**		**¶12078931**
IDC	Error ellipse: s-maj=58.5km s-min=50.7km az=61.0.							
NEIC	**XII**	**27 00 06 00.7–4.6**	**5.11S**	**147.60E**	**93–38**			
IDC	XII	27 00 06 11.8–23	5.50S	147.34E	170–192	3.8,3.6s		¶12079111
NEIC	Event type se. Error ellipse: s-maj=95.3km s-min=39.0km az=120.0.							
IDC	Error ellipse: s-maj=140.8km s-min=112.5km az=85.0.							
ISC	**XII**	**27 03 37 41.4–2.9**	**5.8S–.20**	**147.3E–.20**	**83–26**	**3.9b**	**20**	**4-145**
ISCJB	XII	27 03 37 40.1–3.2	5.8S–.20	147.3E–.20	85–29	3.9b		¶12079127
NEIC	XII	27 03 37 40.8–1.9	5.72S	147.27E	80–17	4.4b		
IDC	XII	27 03 37 41.7–5.3	5.90S	147.44E	87–50	4.0,3.8L		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=32.5km s-min=25.1km az=30.3.							
NEIC	Event type se. Error ellipse: s-maj=22.5km s-min=14.6km az=131.0.							
IDC	Error ellipse: s-maj=50.4km s-min=29.4km az=135.0.							
IDC	**XII**	**28 00 39 37.5–2.4**	**5.39S**	**147.11E**	**234–29**	**3.4,3.3b**		**¶12079226**
IDC	Error ellipse: s-maj=52.4km s-min=13.3km az=119.0.							
ISC	**XII**	**29 10 07 10.9–2.6**	**5.8S–.20**	**147.4E–.10**	**67–26**	**3.9b**	**19**	**4-145**
ISCJB	XII	29 10 07 10.6–3.3	5.9S–.20	147.4E–.10	78–31	3.9b		¶12079386
NEIC	XII	29 10 07 11.8–2.3	5.85S	147.46E	76–21	4.2b		
IDC	XII	29 10 07 13.3–5.0	5.98S	147.54E	86–47	4.1,4.0L		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=35.3km s-min=15.4km az=147.7.							
NEIC	Event type se. Error ellipse: s-maj=29.3km s-min=9.7km az=151.0.							
IDC	Error ellipse: s-maj=50.5km s-min=28.3km az=132.0.							
ISC	**XII**	**31 23 25 40.6–2.5**	**6.4S–.20**	**146.1E–.20**	**133–30**	**3.6b**	**25**	**3-145**
IDC	XII	31 23 25 37.3–3.2	6.19S	146.10E	96–31	3.6,3.5b		¶12079713
ISCJB	XII	31 23 25 38.1–2.6	6.3S–.20	146.0E–.10	119–28	3.7b,3.5b		
NEIC	XII	31 23 25 39.9–1.8	6.29S	146.03E	124–18	3.6b,3.5b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=28.8km s-min=23.9km az=69.0.							
ISCJB	Event type se. Error ellipse: s-maj=29.7km s-min=18.6km az=139.2.							
NEIC	Event type se. Error ellipse: s-maj=20.9km s-min=15.0km az=123.0.							

(208) Arafura Sea.

IDC	**IX**	**30 05 51 28.4–3.0**	**10.66S**	**136.10E**	**0**	**3.8,3.6b**		**¶11911439**
IDC	Error ellipse: s-maj=88.9km s-min=30.9km az=93.0.							

SEISMIC REGION 17.
Caroline Islands to Guam.

(209) Western Caroline Islands.

ISC	**VII**	**02 08 08 07.2–.64**	**11.4N–.10**	**141.8E–.10**	**35**	**3.7b,2.6s**	**12**	**4-91**
IDC	VII	02 08 08 02.0–.98	11.41N	141.83E	0	3.8,3.7L		¶11799246
ISCJB	VII	02 08 08 05.0–.64	11.4N–.10	141.8E–.10	33	3.7b,2.6s		
NEIC	VII	02 08 08 07.0–.52	11.39N	141.93E	35	3.9b,2.6s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=35.6km s-min=21.1km az=101.0.							
ISCJB	Event type se. Error ellipse: s-maj=18.7km s-min=9.2km az=43.4.							
NEIC	Event type se. Error ellipse: s-maj=18.8km s-min=10.7km az=111.0.							
ISC	**VII**	**11 18 11 40.5–2.1**	**11.60N–.07**	**140.8E–.10**	**75–22**	**4.0b**	**23**	**4-152**
ISCJB	VII	11 18 11 37.7–2.4	11.59N–.07	140.8E–.10	64–23	4.1b		¶11811280
NEIC	VII	11 18 11 39.3–2.0	11.60N	140.66E	64–20	4.4b		
IDC	VII	11 18 11 40.1–.71	11.61N	140.80E	70–5	3.9,3.7		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=19.8km s-min=11.2km az=10.2.							
NEIC	Event type se. Error ellipse: s-maj=17.4km s-min=10.6km az=93.0.							
IDC	Error ellipse: s-maj=25.3km s-min=13.7km az=83.0.							
IDC	**VII**	**19 16 20 26.9–5.2**	**11.94N**	**141.40E**	**122–65**	**3.4,3.2b**		**¶12698326**
IDC	Error ellipse: s-maj=53.9km s-min=24.8km az=91.0.							
IDC	**VIII**	**17 05 40 22.6–1.0**	**9.16N**	**138.77E**	**0**	**3.8,3.7**		**¶12581145**
IDC	Error ellipse: s-maj=47.3km s-min=21.3km az=85.0.							
ISC	**VIII**	**26 13 50 50.8–1.1**	**11.10N–.05**	**139.98E–.05**	**76–11**	**4.5b**	**86**	**5-152**
MOS	VIII	26 13 50 44.3–1.3	11.15N	139.84E	33	4.7b		¶11208041
BJI	VIII	26 13 50 47.8	10.99N	140.06E	74	5.0b,4.6b		
ISCJB	VIII	26 13 50 48.6–1.3	11.10N–.05	140.00E–.06	73–12	4.5b,4.6b		
NEIC	VIII	26 13 50 49.8–1.4	11.13N	139.96E	67–13	4.5b,4.6b		
IDC	VIII	26 13 50 49.6–2.8	11.13N	139.90E	63–27	4.3,4.2		
ISC	Event type se.							
MOS	Error ellipse: s-maj=14.8km s-min=8.1km az=101.7.							
ISCJB	Event type se. Error ellipse: s-maj=9.4km s-min=7.8km az=176.9.							
NEIC	Event type se. Error ellipse: s-maj=9.3km s-min=6.7km az=78.0.							
IDC	Error ellipse: s-maj=16.7km s-min=11.2km az=93.0.							
ISC	**VIII**	**28 06 23 51.9–.94**	**8.15N–.10**	**137.6E–.30**	**35**	**4.0b**	**13**	**28-77**
IDC	VIII	28 06 23 46.6–.93	8.19N	137.66E	0	4.1,4.0		¶11908978
ISCJB	VIII	28 06 23 49.5–.94	8.13N–.10	137.6E–.30	33	4.0b,4.0		
NEIC	VIII	28 06 23 51.8–.68	8.15N	137.64E	35	3.9b,4.0		
ISC	Event type se.							
IDC	Error ellipse: s-maj=37.6km s-min=16.4km az=81.0.							
ISCJB	Event type se. Error ellipse: s-maj=36.2km s-min=13.7km az=173.4.							
NEIC	Event type se. Error ellipse: s-maj=26.3km s-min=10.0km az=83.0.							
IDC	**IX**	**12 07 33 07.5–2.9**	**12.16N**	**140.66E**	**0**	**4.0L,4.0**		**¶11910095**
IDC	Error ellipse: s-maj=103.7km s-min=28.1km az=127.0.							
IDC	**IX**	**18 20 27 44.7–8.9**	**10.84N**	**141.12E**	**88–53**	**4.0L,3.4**		**¶11910581**
IDC	Error ellipse: s-maj=114.9km s-min=37.5km az=171.0.							
ISC	**IX**	**24 09 29 38.6–.66**	**8.64N–.09**	**138.0E–.20**	**35**	**4.0b,3.6s**	**16**	**8-153**
IDC	IX	24 09 29 33.5–.75	8.67N	137.97E	0	4.1,4.1		¶11910927
ISCJB	IX	24 09 29 36.5–.67	8.63N–.09	137.9E–.20	33	4.0b,3.6s		
NEIC	IX	24 09 29 38.1–.49	8.63N	137.89E	30	4.3b,3.6s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=31.8km s-min=16.3km az=78.0.							
ISCJB	Event type se. Error ellipse: s-maj=27.8km s-min=12.6km az=167.6.							
NEIC	Event type se. Error ellipse: s-maj=21.2km s-min=10.7km az=74.0.							
IDC	**IX**	**28 02 32 26.8–2.1**	**9.19N**	**141.44E**	**0**	**3.8,3.5b**		**¶11911245**
IDC	Error ellipse: s-maj=290.0km s-min=29.0km az=108.0.							
IDC	**X**	**08 12 59 37.7–4.6**	**10.75N**	**138.63E**	**61–49**	**4.2L,3.6**		**¶12066335**
IDC	Error ellipse: s-maj=30.9km s-min=19.8km az=103.0.							
ISC	**X**	**12 06 33 33.6–.88**	**11.56N–.04**	**141.05E–.04**	**70–8**	**4.9b**	**218**	**4-157**
MOS	X	12 06 33 26.8–.96	11.68N	141.31E	33	5.2b		¶11346064
ISCJB	X	12 06 33 30.9–.97	11.56N–.04	141.03E–.04	59–9	5.0b,4.5s		
BJI	X	12 06 33 31.2	11.69N	141.15E	62	5.2b,5.0b		
IDC	X	12 06 33 32.2–3.0	11.65N	141.12E	57–27	5.2L,4.6		
GCMT	X	12 06 33 32.2–.20	11.54N	140.93E	31–0	5.1W,4.6		
NEIC	X	12 06 33 33.7–1.1	11.60N	141.07E	69–10	5.0b,4.6		
DJA	X	12 06 33 34	11.62N	141.13E	79	4.9b,4.6		
ISC	Event type se.							
MOS	Error ellipse: s-maj=12.7km s-min=6.5km az=117.4.							
ISCJB	Event type se. Error ellipse: s-maj=7.1km s-min=6.3km az=21.0.							
IDC	Error ellipse: s-maj=16.2km s-min=11.3km az=82.0.							
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c82; s64,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}5.05±.20 $M_{\theta\theta}$-5.31±.14; $M_{\phi\phi}$0.26±.15; $M_{r\theta}$1.82±.18; $M_{\theta\phi}$-2.29±.12; $M_{\phi r}$0.14±.23; Best double couple: NP1:ϕ_s243.00000°,δ37.00000°,λ80.00000°. NP2:ϕ_s76.00000°,δ54.00000°,λ98.00000°. Principal axes: T 5.3700,Plg79.0000° ,Azm16.0000°; N 1.0300,Plg6.0000°,Azm252.0000°; P -6.4000,Plg9.0000°,Azm161.0000° $M_0$5.90000×10^{16}							
NEIC	Event type se. Error ellipse: s-maj=6.2km s-min=5.3km az=73.0.							
ISC	**XI**	**04 09 20 14.0–.87**	**10.48N–.04**	**138.56E–.04**	**47–8**	**4.7b,4.0s**	**138**	**7-153**
BJI	XI	04 09 20 07.2	10.14N	139.07E	47	5.0b,4.8b		¶11392432
IDC	XI	04 09 20 07.2–.49	10.60N	138.60E	0	4.6,4.5		
ISCJB	XI	04 09 20 10.1–1.4	10.52N–.05	138.57E–.04	29–10	4.7b,4.0s		
GCMT	XI	04 09 20 11.7–.30	10.44N	138.41E	28–1	4.9W,4.0s		
NEIC	XI	04 09 20 12.6–.25	10.49N	138.47E	35	5.0b,4.0s		
DJA	XI	04 09 20 21	10.86N	138.89E	157	4.7b,4.0s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=23.6km s-min=12.1km az=78.0.							
ISCJB	Event type se. Error ellipse: s-maj=8.1km s-min=6.2km az=153.0.							
GCMT	Event type se. Data Used: IU IC G II. Moment Tensor Solution. s22,c28; s57,c82; Moment tensor: Scale 10^{16}Nm; M_{rr}2.70±.19 $M_{\theta\theta}$-0.36±.11; $M_{\phi\phi}$-2.34±.12; $M_{r\theta}$0.70±.22; $M_{\theta\phi}$-0.74±.07; $M_{\phi r}$0.53±.19; Best double couple: NP1:ϕ_s189.00000°,δ38.00000°,λ75.00000°. NP2:ϕ_s28.00000°,δ53.00000°,λ101.00000°. Principal axes: T 2.8800,Plg78.0000° ,Azm340.0000°; N -0.2000,Plg9.0000°,Azm201.0000°; P -2.6800,Plg8.0000°,Azm110.0000° $M_0$2.80000×10^{16}							
NEIC	Event type se. Error ellipse: s-maj=6.5km s-min=6.3km az=220.0.							
ISC	**XI**	**18 07 02 05.6–.81**	**9.5N–.10**	**138.4E–.20**	**35**	**3.9b**	**20**	**7-153**
IDC	XI	18 07 02 00.2–.75	9.54N	138.47E	0	4.0,4.0		¶12073975
ISCJB	XI	18 07 02 03.4–.81	9.5N–.10	138.4E–.20	33	3.9b,4.0		
NEIC	XI	18 07 02 05.8–.52	9.54N	138.38E	35	4.2b,4.0		
ISC	Event type se.							
IDC	Error ellipse: s-maj=35.0km s-min=16.2km az=75.0.							
ISCJB	Event type se. Error ellipse: s-maj=34.6km s-min=13.5km az=166.4.							
NEIC	Event type se. Error ellipse: s-maj=24.1km s-min=10.4km az=75.0.							
IDC	**XI**	**20 14 35 12.5–5.7**	**8.40N**	**138.45E**	**0**	**3.6,3.5b**		**¶12074274**
IDC	Error ellipse: s-maj=276.0km s-min=23.2km az=79.0.							
IDC	**XI**	**28 19 00 52.8–1.1**	**11.76N**	**141.23E**	**0**	**3.8,3.6**		**¶12075166**

IDC Error ellipse: s-maj=66.1km s-min=20.9km az=91.0.
ISC XII 01 20 50 57.2–.67 12.53N–.08 139.3E–.20 35 4.1b 29 27-90
IDC XII 01 20 50 52.0–.80 12.56N 139.36E 0 4.2,4.1b ¶12075448
ISCJB XII 01 20 50 55.0–.67 12.52N–.08 139.3E–.20 33 4.1b,4.1b
NEIC XII 01 20 50 57.2–.48 12.53N 139.33E 35 4.7b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=14.1km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=30.7km s-min=9.8km az=169.8.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=7.3km az=79.0.
IDC XII 02 20 40 32.2–13 10.40N 139.75E 0 3.6,3.3b
¶12075546
IDC Error ellipse: s-maj=354.0km s-min=34.6km az=59.0.
IDC XII 02 22 18 05.9–1.2 11.25N 138.84E 0 3.7,3.5
¶12075553
IDC Error ellipse: s-maj=53.9km s-min=23.7km az=88.0.
ISC XII 22 15 53 51.2–.97 10.0N–.10 139.0E–.20 35 4.2b 36 7-89
IDC XII 22 15 53 45.8–1.2 10.00N 139.06E 0 3.8,3.7 ¶11527771
NEIC XII 22 15 53 47.4–.60 10.01N 139.01E 10 4.8b,3.7
ISCJB XII 22 15 53 49.1–.97 10.0N–.10 139.0E–.20 33 4.2b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 23 17 00 32.8–2.0 11.78N–.06 141.7E–.10 49–20 4.3b,3.6s 48 4-151
IDC XII 23 17 00 26.2–.57 11.83N 141.67E 0 4.4,4.3 ¶12078697
ISCJB XII 23 17 00 30.5–2.2 11.76N–.06 141.6E–.10 44–22 4.3b,3.6s
NEIC XII 23 17 00 31.7–1.8 11.81N 141.66E 38–18 4.4b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=14.3km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=10.2km az=7.6.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.2km az=90.0.

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ISC VII 05 02 55 17.0–6.7 11.2N–.10 143.3E–.10 15–41 4.2b 15 3-90
IDC VII 05 02 55 14.6–.92 11.19N 143.28E 0 4.3,4.2b ¶11810669
ISCJB VII 05 02 55 17.7–.73 11.2N–.10 143.3E–.10 33 4.2b,4.2b
NEIC VII 05 02 55 19.7–.62 11.20N 143.32E 35 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=20.4km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=9.4km az=34.6.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=12.6km az=114.0.
ISC VII 20 01 03 11.9–7.0 11.8N–.40 142.5E–.20 9–45 3.9b 10 3-150
IDC VII 20 01 03 11.2–1.8 12.06N 142.48E 0 4.1,3.9b ¶11812120
NEIC VII 20 01 03 19.5–5.2 12.28N 142.63E 54–34 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=54.5km s-min=27.6km az=173.0.
NEIC Event type se. Error ellipse: s-maj=69.4km s-min=24.5km az=198.0.
ISC VII 20 01 51 56.8–3.4 12.9N–.40 143.2E–.20 100–21 3.8b 14 2-91
IDC VII 20 01 51 57.0–4.3 12.91N 143.25E 103–25 3.8,3.6 ¶11812124
NEIC VII 20 01 51 56.9–2.9 12.95N 143.25E 100–17 4.1b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=65.8km s-min=26.8km az=6.0.
NEIC Event type se. Error ellipse: s-maj=56.1km s-min=22.1km az=191.0.
ISC VII 20 06 09 26.5–1.3 13.0N–.20 144.1E–.10 132–8 3.7b 18 1-149
ISCJB VII 20 06 09 25.1–1.2 13.0N–.20 144.0E–.10 131–9 3.7b ¶11812141
IDC VII 20 06 09 27.7–1.6 13.24N 144.13E 133–7 3.7,3.7
NEIC VII 20 06 09 28.6–1.0 13.34N 144.18E 139–8 3.7b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.0km s-min=19.1km az=157.6.
IDC Error ellipse: s-maj=39.1km s-min=19.2km az=30.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=15.1km az=65.0.
ISC VII 22 09 58 06.5–2.1 12.19N–.10 144.0E–.20 46–20 4.0b 24 2-92
NEIC VII 22 09 58 01.7–.62 12.19N 143.85E 10 4.1b ¶11812347
ISCJB VII 22 09 58 05.0–2.2 12.18N–.10 143.9E–.20 47–20 4.0b
IDC VII 22 09 58 07.0–2.5 12.20N 144.02E 52–25 3.9,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=12.9km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=16.3km az=10.1.
IDC Error ellipse: s-maj=27.0km s-min=14.5km az=97.0.
IDC VII 23 06 30 11.4–.94 12.31N 144.05E 0 3.9,3.7
¶12698399
IDC Error ellipse: s-maj=35.7km s-min=19.6km az=117.0.
IDC VII 26 08 19 02.2–11 12.19N 144.20E 0 4.0,3.9b
¶12698439
IDC Error ellipse: s-maj=306.8km s-min=50.3km az=176.0.
ISC VIII 01 17 25 44.8–6.8 12.3N–.10 145.2E–.20 14–42 3.8b,3.1s 12 1-92
IDC VIII 01 17 25 42.4–1.6 12.32N 145.18E 0 3.9,3.7 ¶11907674
NEIC VIII 01 17 25 55.8–4.4 13.21N 145.26E 69–12 3.9,3.7
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=30.6km az=62.0.
NEIC Event type se. Error ellipse: s-maj=108.4km s-min=25.3km az=185.0.
ISC VIII 04 14 02 24.5–1.2 12.3N–.30 143.4E–.30 10 3.6b 8 2-89
ISCJB VIII 04 14 02 22.9–1.2 12.3N–.30 143.3E–.30 10 3.6b ¶11907769
IDC VIII 04 14 02 22.7–1.3 12.35N 143.35E 0 4.0,3.6b
NEIC VIII 04 14 02 24.4–1.2 12.30N 143.40E 10 4.0,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=58.6km s-min=12.2km az=43.3.
IDC Error ellipse: s-maj=75.8km s-min=22.2km az=123.0.
NEIC Event type se. Error ellipse: s-maj=71.4km s-min=17.9km az=123.0.
ISC VIII 07 14 26 28.7–2.6 12.2N–.10 144.3E–.10 42–22 3.8b 17 1-92
IDC VIII 07 14 26 22.7–1.0 12.23N 144.26E 0 4.0,3.9 ¶11907893
ISCJB VIII 07 14 26 27.4–2.5 12.2N–.10 144.2E–.10 47–20 3.8b,3.9
NEIC VIII 07 14 26 28.6–1.9 12.26N 144.28E 41–16 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=18.6km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=20.5km az=164.4.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=14.1km az=63.0.
ISC VIII 07 22 33 36.5–.84 12.78N–.06 142.88E–.09 169–10 4.3b 45 2-150
BJI VIII 07 22 33 30.3 12.32N 143.50E 175 4.5b,4.4b ¶11652838
ISCJB VIII 07 22 33 35.4–.89 12.78N–.06 142.88E–.09 177–10 4.3b,4.4b
NEIC VIII 07 22 33 36.8–.77 12.78N 142.90E 175–8 4.3b,4.4b
IDC VIII 07 22 33 36.9–1.1 12.77N 142.96E 174–12 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=9.5km az=2.4.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.2km az=95.0.
IDC Error ellipse: s-maj=16.9km s-min=13.2km az=86.0.
ISC VIII 14 02 30 45.0–1.2 11.05N–.04 143.48E–.06 38–12 4.7b,3.5s 87 3-156
BJI VIII 14 02 30 38.9 10.82N 143.54E 21 4.8b,4.8b ¶11652922
IDC VIII 14 02 30 39.5–.53 11.12N 143.45E 0 4.9L,4.5
MOS VIII 14 02 30 42.5–.96 11.04N 143.47E 33 4.8b,4.5
ISCJB VIII 14 02 30 43.3–1.3 11.04N–.04 143.46E–.06 41–12 4.7b,3.5s
NEIC VIII 14 02 30 45.3–1.5 11.07N 143.47E 41–14 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=12.5km az=85.0.
MOS Error ellipse: s-maj=13.4km s-min=7.4km az=110.6.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=7.5km az=5.3.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.4km az=79.0.
ISC VIII 17 03 48 25.7–2.0 12.7N–.10 145.1E–.30 52–15 3.8b 11 1-148
IDC VIII 17 03 48 18.9–1.0 12.66N 145.06E 0 3.9,3.8 ¶11908333
ISCJB VIII 17 03 48 24.8–1.9 12.7N–.10 145.1E–.30 61–14 3.8b,3.8
NEIC VIII 17 03 48 24.8–1.8 12.73N 145.02E 41–15 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=15.7km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=43.2km s-min=18.4km az=180.0.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=13.2km az=91.0.
IDC VIII 17 10 01 18.2–1.4 12.53N 145.21E 0 3.5,3.4
¶12581152
IDC Error ellipse: s-maj=53.4km s-min=17.7km az=86.0.
ISC VIII 18 01 01 28.9–1.6 12.30N–.09 144.6E–.20 66–13 4.1b 31 1-148
ISCJB VIII 18 01 01 27.5–1.6 12.29N–.10 144.5E–.20 67–14 4.1b ¶11908381
NEIC VIII 18 01 01 28.2–1.4 12.33N 144.52E 59–12 4.5b
IDC VIII 18 01 01 29.4–1.7 12.31N 144.42E 64–15 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.5km s-min=15.9km az=5.2.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.4km az=89.0.
IDC Error ellipse: s-maj=24.8km s-min=14.5km az=97.0.
IDC VIII 20 12 10 25.0–.99 11.81N 143.99E 0 3.8,3.7
¶12581232
IDC Error ellipse: s-maj=35.6km s-min=17.6km az=104.0.
IDC VIII 21 03 52 44.2–1.7 11.15N 143.81E 0 3.7,3.4b
¶12581248
IDC Error ellipse: s-maj=250.1km s-min=27.1km az=110.0.
IDC VIII 21 05 48 38.0–1.5 12.47N 146.83E 0 3.7,3.5b
¶12581251
IDC Error ellipse: s-maj=38.7km s-min=29.7km az=84.0.
ISC VIII 25 06 54 38.6–2.3 12.73N–.09 145.2E–.20 36–20 3.9b,3.6s 13 1-148
IDC VIII 25 06 54 33.4–.88 12.72N 145.20E 0 4.2,4.0 ¶11908740
ISCJB VIII 25 06 54 38.0–2.1 12.71N–.09 145.2E–.20 49–17 3.9b,3.6s
NEIC VIII 25 06 54 38.5–.58 12.72N 145.21E 35 4.1b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=16.9km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=39.8km s-min=15.3km az=0.6.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=8.3km az=88.0.
IDC VIII 26 03 12 47.5–2.3 11.98N 143.60E 0 4.4,4.2b
¶12581415
IDC Error ellipse: s-maj=63.1km s-min=29.5km az=157.0.
IDC VIII 26 08 33 10.0–1.6 12.16N 143.27E 0 3.9,3.8L
¶12581430
IDC Error ellipse: s-maj=91.4km s-min=19.3km az=122.0.
IDC VIII 26 13 01 57.8–1.9 12.47N 146.10E 0 3.9,3.5b
¶12581436
IDC Error ellipse: s-maj=492.1km s-min=27.8km az=112.0.
ISC VIII 28 02 03 49.6–.68 12.4N–.10 144.0E–.10 35 4.0b 16 1-149
IDC VIII 28 02 03 44.7–.69 12.40N 143.96E 0 4.3,4.0 ¶11908963
ISCJB VIII 28 02 03 47.7–.69 12.4N–.10 144.0E–.10 33 4.0b,4.0
NEIC VIII 28 02 03 49.5–.59 12.36N 144.02E 35 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=15.3km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=7.6km az=37.2.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=12.6km az=115.0.
ISC VIII 28 20 37 25.4–2.3 12.7N–.10 144.1E–.10 5–14 3.6b 13 1-88
IDC VIII 28 20 37 24.5–1.2 12.66N 144.05E 0 3.9,3.7 ¶11909025
NEIC VIII 28 20 37 26.1–.83 12.65N 144.05E 10 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=18.6km az=132.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=14.7km az=128.0.
ISC VIII 31 14 59 12.2–.85 11.9N–.10 143.7E–.20 35 3.4b 9 2-149
IDC VIII 31 14 59 07.0–.98 12.00N 143.66E 0 3.7,3.5b ¶11909171
ISCJB VIII 31 14 59 10.0–.83 12.0N–.10 143.6E–.20 33 3.4b,3.5b
NEIC VIII 31 14 59 14.4–1.8 11.95N 143.97E 64–18 3.4b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=18.7km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=29.0km s-min=9.4km az=35.9.
NEIC Event type se. Error ellipse: s-maj=33.4km s-min=14.4km az=98.0.
ISC VIII 31 17 16 36.7–7.1 11.9N–.10 143.7E–.20 15–45 3.5b 11 2-71
IDC VIII 31 17 16 34.3–1.1 11.93N 143.70E 0 3.6,3.4b ¶11909177
ISCJB VIII 31 17 16 37.5–3.4 11.9N–.10 143.6E–.30 34–35 3.5b,3.4b
NEIC VIII 31 17 16 37.8–7.8 11.93N 143.69E 23–60 4.0b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=18.5km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=46.0km s-min=17.7km az=16.0.
NEIC Event type se. Error ellipse: s-maj=40.0km s-min=13.5km az=99.0.
ISC IX 01 14 38 13.9–2.8 12.1N–.20 145.2E–.50 64–19 3.8b 13 2-78
ISCJB IX 01 14 38 13.2–2.7 12.1N–.20 145.2E–.50 74–18 3.7b ¶11909225
NEIC IX 01 14 38 13.9–2.4 12.17N 145.15E 60–20 4.2b
IDC IX 01 14 38 14.4–2.9 12.11N 145.20E 65–21 3.6b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=86.6km s-min=24.8km az=172.8.
NEIC Event type se. Error ellipse: s-maj=71.0km s-min=21.0km az=85.0.
IDC Error ellipse: s-maj=86.9km s-min=19.9km az=83.0.
ISC IX 08 19 49 20.8–.66 12.3N–.10 141.51E–.07 35 3.8b 13 4-71
IDC IX 08 19 49 15.4–.97 12.42N 141.46E 0 4.0L,3.8 ¶11909838
ISCJB IX 08 19 49 18.5–.66 12.3N–.10 141.49E–.07 33 3.8b,3.8
NEIC IX 08 19 49 18.6–.65 12.37N 141.50E 20 4.7b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=21.7km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=9.0km az=163.8.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=14.9km az=143.0.
IDC IX 13 09 29 39.4–1.5 13.10N 143.41E 204–18 3.2,3.1
¶11910171
IDC Error ellipse: s-maj=43.7km s-min=15.0km az=102.0.
IDC IX 14 11 15 41.2–.92 10.42N 145.79E 0 4.2L,3.8
¶11910256
IDC Error ellipse: s-maj=31.9km s-min=20.9km az=96.0.
IDC IX 14 14 00 01.9–4.1 12.75N 143.50E 154–219 3.7,3.5b
¶11910264
IDC Error ellipse: s-maj=371.5km s-min=98.7km az=1.0.
ISC IX 17 17 07 48.6–1.9 12.36N–.10 142.0E–.20 176–24 4.0b 20 3-151
BJI IX 17 17 07 26.5 11.79N 142.15E 20 5.0b,4.4b ¶11910494
IDC IX 17 17 07 45.6–2.1 12.34N 141.73E 133–22 4.0,3.8b
NEIC IX 17 17 07 46.4–1.5 12.34N 141.76E 144–16 4.5b,3.8b
ISCJB IX 17 17 07 47.1–2.0 12.35N–.10 142.0E–.20 177–24 4.0b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 18 08 31 19.8–3.3 11.95N 143.92E 42–36 3.6,3.4
¶11910539
IDC Error ellipse: s-maj=56.9km s-min=17.0km az=106.0.
IDC IX 18 15 10 04.6–1.4 12.14N 142.46E 0 4.0,3.8L
¶11910558
IDC Error ellipse: s-maj=66.0km s-min=19.5km az=123.0.
ISC IX 18 17 58 31.7–6.1 12.9N–.10 146.6E–.10 28–44 3.9b 15 2-146
IDC IX 18 17 58 27.2–.92 12.87N 146.71E 0 3.9,3.8 ¶11910571
ISCJB IX 18 17 58 31.3–3.3 12.9N–.10 146.7E–.20 43–26 3.9b,3.8
NEIC IX 18 17 58 32.6–.56 12.82N 146.67E 35 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=19.1km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=27.1km s-min=18.3km az=173.1.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=12.5km az=56.0.
ISC IX 19 07 12 43.3–2.7 12.13N–.09 141.3E–.10 56–28 3.9b 19 4-151
IDC IX 19 07 12 35.8–.72 12.17N 141.35E 0 4.4L,4.0 ¶11910610
ISCJB IX 19 07 12 40.2–2.9 12.12N–.09 141.2E–.10 44–29 3.9b,4.0
NEIC IX 19 07 12 43.1–1.6 12.14N 141.38E 55–16 4.7b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=16.0km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=14.6km az=0.9.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.3km az=83.0.
ISC IX 21 14 33 11.2–1.7 12.73N–.09 144.9E–.20 47–15 3.8b,3.4s 16 1-144
ISCJB IX 21 14 33 10.3–1.5 12.71N–.09 144.9E–.20 55–13 3.8b,3.4s ¶11910766
IDC IX 21 14 33 10.7–1.8 12.79N 144.88E 41–15 3.7,3.6
NEIC IX 21 14 33 11.3–1.5 12.73N 144.90E 50–13 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.0km s-min=15.2km az=5.4.
IDC Error ellipse: s-maj=31.5km s-min=16.4km az=101.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=11.3km az=97.0.
ISC IX 22 08 46 44.0–.84 12.96N–.05 143.58E–.10 146–9 4.1b 40 1-156
ISCJB IX 22 08 46 42.5–.88 12.94N–.05 143.53E–.10 145–9 4.1b ¶11910820
IDC IX 22 08 46 43.7–.55 12.94N 143.55E 143–5 4.0,3.9
NEIC IX 22 08 46 44.0–.87 12.96N 143.56E 146–8 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=8.2km az=165.6.
IDC Error ellipse: s-maj=10.3km s-min=8.9km az=109.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.7km az=79.0.

IDC IX 24 06 55 06.0–1.2 11.82N 144.80E 0 3.7,3.4b
¶11910923
IDC Error ellipse: s-maj=101.4km s-min=18.0km az=101.0.
ISC IX 24 19 39 12.4–2.5 12.1N–.10 142.0E–.20 139–29 3.6b 10 3-71
ISCJB IX 24 19 39 11.4–2.5 12.1N–.10 142.1E–.20 147–30 3.6b **¶11910954**
NEIC IX 24 19 39 11.5–1.9 12.14N 142.07E 132–23 3.6b
IDC IX 24 19 39 12.9–2.3 12.15N 142.07E 145–27 3.6,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.2km s-min=20.8km az=2.2.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=14.4km az=89.0.
IDC Error ellipse: s-maj=29.1km s-min=16.0km az=94.0.
ISC IX 25 14 40 34.5–3.4 13.9N–.10 146.4E–.20 47–29 3.8b,3.5s 14 2-145
IDC IX 25 14 40 27.9–.96 13.96N 146.57E 0 4.2s,4.2 **¶11911015**
ISCJB IX 25 14 40 33.9–3.1 14.0N–.10 146.4E–.20 58–25 3.8b,3.5s
NEIC IX 25 14 40 34.2–2.7 13.91N 146.47E 44–23 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=19.7km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=30.3km s-min=19.6km az=173.6.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=14.3km az=82.0.
IDC IX 27 12 49 54.9–1.1 12.64N 143.78E 0 3.9,3.7b
¶11911195
IDC Error ellipse: s-maj=28.8km s-min=18.7km az=121.0.
ISC IX 27 15 22 24.3–.64 12.72N–.09 143.71E–.08 35 4.2b 24 1-149
IDC IX 27 15 22 19.0–.81 12.72N 143.78E 0 4.7s,4.7 **¶11911208**
ISCJB IX 27 15 22 22.4–.64 12.71N–.09 143.65E–.08 33 4.2b,4.7
NEIC IX 27 15 22 23.9–1.9 12.73N 143.81E 36–19 4.5b,4.7
BJI IX 27 15 22 30.1 13.51N 143.37E 35 5.4b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=16.4km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=8.5km az=147.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=11.5km az=92.0.
ISC IX 29 14 41 37.8–1.6 12.27N–.07 144.4E–.10 48–15 4.2b,3.8s 28 1-148
ISCJB IX 29 14 41 36.0–1.7 12.24N–.07 144.3E–.10 47–16 4.2b,3.8s **¶11911345**
NEIC IX 29 14 41 37.7–1.2 12.30N 144.40E 49–11 4.4b,3.8s
IDC IX 29 14 41 38.4–1.7 12.26N 144.43E 54–16 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=12.1km az=0.9.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.1km az=85.0.
IDC Error ellipse: s-maj=22.4km s-min=11.8km az=97.0.
ISC IX 29 19 58 29.1–2.4 12.0N–.10 142.4E–.20 67–25 3.9b 14 3-150
IDC IX 29 19 58 27.9–3.0 11.99N 142.30E 54–29 3.8L,3.8s **¶11911385**
NEIC IX 29 19 58 28.3–2.0 11.99N 142.30E 58–20 4.4b,3.8s
ISCJB IX 29 19 58 29.0–2.7 12.0N–.10 142.5E–.20 90–29 3.9b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 30 00 07 02.6–6.4 12.00N–.08 144.1E–.10 2–40 3.9b 19 2-89
ISCJB IX 30 00 07 02.6–5.3 11.99N–.08 144.0E–.10 13–33 3.9b **¶11911419**
IDC IX 30 00 07 02.2–1.2 11.97N 144.14E 0 3.9,3.6b
NEIC IX 30 00 07 07.2–.44 12.01N 144.11E 35 4.1b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.8km s-min=9.5km az=24.9.
IDC Error ellipse: s-maj=55.5km s-min=19.5km az=110.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.2km az=104.0.
ISC IX 30 18 17 29.2–5.8 12.3N–.10 144.3E–.20 32–42 4.1b 20 1-144
IDC IX 30 18 17 24.1–.92 12.25N 144.48E 0 4.3,4.0b **¶11911475**
ISCJB IX 30 18 17 28.4–2.3 12.3N–.10 144.2E–.20 37–22 4.1b,4.0b
NEIC IX 30 18 17 30.2–2.2 12.31N 144.43E 45–20 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=33.4km s-min=15.8km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=35.4km s-min=17.3km az=13.3.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=17.1km az=102.0.
ISC X 02 11 13 08.7–6.6 12.0N–.10 143.9E–.20 1–41 3.7b 24 2-89
ISCJB X 02 11 13 08.4–5.4 12.0N–.10 143.8E–.20 11–34 3.7b **¶11911706**
IDC X 02 11 13 08.4–.91 12.02N 143.89E 0 3.9,3.8
NEIC X 02 11 13 09.9–.43 12.02N 143.91E 10 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.2km s-min=10.8km az=30.7.
IDC Error ellipse: s-maj=36.3km s-min=17.7km az=111.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=8.8km az=109.0.
ISC X 04 18 31 29.3–3.4 12.34N–.04 144.21E–.07 28–24 4.7b,4.0s 115 17-148
ISCJB X 04 18 31 26.5–3.5 12.34N–.04 144.21E–.07 22–24 4.7b,4.0s **¶12065923**
NEIC X 04 18 31 26.0–6.3 12.33N 144.18E 7–39 4.9b,4.0s
IDC X 04 18 31 27.6–3.4 12.29N 144.14E 17–20 4.5,4.5
DJA X 04 18 31 48 11.86N 142.36E 25 5.2b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=7.2km az=12.2.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.7km az=85.0.
IDC Error ellipse: s-maj=17.3km s-min=13.3km az=96.0.
IDC X 11 06 14 43.3–4.3 13.52N 146.01E 50–37 3.6,3.4b
¶12066567
IDC Error ellipse: s-maj=35.5km s-min=22.1km az=87.0.
ISC X 12 20 14 51.7–1.6 12.3N–.10 144.8E–.20 72–14 3.8b 29 1-144
ISCJB X 12 20 14 50.6–1.6 12.3N–.10 144.7E–.20 78–14 3.8b **¶12068489**
NEIC X 12 20 14 51.0–1.8 12.27N 144.51E 57–16 4.1b
IDC X 12 20 14 52.1–1.6 12.26N 144.75E 76–13 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=39.3km s-min=17.3km az=1.4.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=14.5km az=94.0.
IDC Error ellipse: s-maj=37.3km s-min=14.6km az=92.0.
IDC X 13 02 25 27.6–.99 13.05N 143.76E 220–13 3.6,3.3b
¶12068515
IDC Error ellipse: s-maj=43.8km s-min=15.1km az=99.0.
ISC X 19 02 16 15.3–6.6 12.4N–.10 143.4E–.10 10–41 4.1b,3.2s 22 2-92
IDC X 19 02 16 13.9–.86 12.45N 143.43E 0 4.1,3.9 **¶12069015**
NEIC X 19 02 16 18.8–.49 12.41N 143.49E 35 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=18.1km az=113.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.1km az=108.0.
IDC X 26 16 24 38.1–5.9 11.98N 143.50E 70–51 3.6L,3.6
¶12071167
IDC Error ellipse: s-maj=159.4km s-min=19.1km az=114.0.
ISC X 30 09 42 54.5–1.2 13.2N–.10 143.9E–.20 139–13 3.6b 19 1-93
ISCJB X 30 09 42 52.9–1.3 13.1N–.10 143.8E–.20 138–15 3.6b **¶12071610**
NEIC X 30 09 42 54.7–1.1 13.16N 143.91E 142–11 4.0b
IDC X 30 09 42 54.5–1.0 13.15N 143.93E 139–11 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.5km s-min=17.0km az=5.2.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=12.5km az=95.0.
IDC Error ellipse: s-maj=30.8km s-min=16.1km az=95.0.
ISC XI 05 14 47 09.1–6.1 12.08N–.07 143.9E–.10 20–37 4.3b,3.8s 40 2-149
IDC XI 05 14 47 05.5–.62 12.07N 143.99E 0 4.4,4.3 **¶12072416**
ISCJB XI 05 14 47 07.4–4.7 12.07N–.07 143.8E–.10 21–33 4.3b,3.8s
NEIC XI 05 14 47 11.2–1.6 12.07N 143.96E 39–15 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=14.2km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=9.2km az=22.1.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=9.0km az=97.0.
ISC XI 07 08 37 51.2–1.6 12.44N–.03 144.04E–.02 31–11 5.3b,4.7s 761 1-156
IDC XI 07 08 37 45.7–.38 12.40N 144.08E 0 5.2,5.2 **¶11396595**
MOS XI 07 08 37 48.8–1.1 12.38N 144.02E 32 5.5b,5.2
ISCJB XI 07 08 37 48.6–1.5 12.47N–.03 143.98E–.02 23–10 5.3b,4.7s
BJI XI 07 08 37 49.2 12.55N 144.23E 32 5.4b,5.3b
NEIC XI 07 08 37 51.1–.15 12.37N 144.05E 35 5.3b,5.3b
DJA XI 07 08 37 53 12.47N 144.42E 69 5.1b,5.3b
ISC Event type fe.
IDC Error ellipse: s-maj=14.6km s-min=9.6km az=100.0.
MOS Error ellipse: s-maj=8.3km s-min=5.1km az=104.1.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.6km az=169.6.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=4.1km az=149.0. Felt at Hagatna and Santa Rita.

ISC XI 12 02 33 04.0–6.4 12.33N–.09 143.7E–.10 11–40 4.0b,3.2s 24 2-149
IDC XI 12 02 33 02.0–.73 12.35N 143.68E 0 4.1,3.9 **¶12073259**
NEIC XI 12 02 33 04.2–5.4 12.32N 143.66E 13–33 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=15.4km az=107.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=9.0km az=109.0.
IDC XI 12 09 56 48.8–.91 10.70N 143.06E 0 4.2,4.2L
¶12073284
IDC Error ellipse: s-maj=27.9km s-min=18.3km az=97.0.
ISC XI 16 09 19 05.7–.66 12.0N–.10 143.1E–.10 35 3.9b 19 2-92
IDC XI 16 09 19 00.5–.88 12.02N 143.12E 0 4.2,4.0L **¶12073724**
NEIC XI 16 09 19 01.8–.57 11.98N 143.23E 10 4.1b,4.0L
ISCJB XI 16 09 19 03.6–.66 11.9N–.10 143.1E–.10 33 3.9b,4.0L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 17 18 00 49.3–6.3 11.99N–.09 143.11E–.10 8–39 4.0b,3.0s 32 2-149
IDC XI 17 18 00 48.0–.72 12.03N 143.18E 0 4.2L,4.2 **¶12073885**
ISCJB XI 17 18 00 49.9–5.0 11.97N–.09 143.1E–.10 24–36 4.0b,3.0s
NEIC XI 17 18 00 51.1–5.4 12.01N 143.18E 20–33 4.3b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=17.5km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=10.8km az=39.4.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.5km az=111.0.
IDC XI 17 22 38 33.0–2.2 12.94N 145.33E 59–14 3.6,3.4b
¶12073931
IDC Error ellipse: s-maj=33.7km s-min=22.7km az=94.0.
IDC XI 19 22 42 01.1–1.1 11.62N 142.93E 0 3.8L,3.6
¶12074200
IDC Error ellipse: s-maj=41.5km s-min=19.9km az=114.0.
IDC XI 21 09 05 51.6–8.0 12.09N 147.20E 0 4.7L,4.1
¶12074384
IDC Error ellipse: s-maj=222.7km s-min=44.6km az=4.0.
ISC XI 26 06 53 36.1–5.7 12.1N–.10 143.3E–.20 16–37 4.0b 18 2-89
IDC XI 26 06 53 33.5–.96 12.12N 143.25E 0 4.6L,4.3 **¶12074868**
ISCJB XI 26 06 53 34.0–4.9 12.1N–.10 143.3E–.10 15–37 4.0b,4.3
NEIC XI 26 06 53 35.1–.65 12.12N 143.24E 10 4.0b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=55.2km s-min=18.0km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=28.4km s-min=12.1km az=33.6.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=11.0km az=106.0.
ISC XI 28 09 53 08.7–.63 12.82N–.03 143.53E–.06 122–7 4.9b 131 2-149
BJI XI 28 09 53 03.9 12.55N 143.73E 118 5.2b,4.9b **¶11480322**
ISCJB XI 28 09 53 07.3–.63 12.82N–.03 143.53E–.06 126–7 4.9b,4.9b
IDC XI 28 09 53 08.6–1.1 12.83N 143.59E 126–10 4.4,4.3b
NEIC XI 28 09 53 08.6–.24 12.82N 143.52E 123 4.9b,4.3b
DJA XI 28 09 53 09 13.03N 143.58E 134 5.1b,4.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=5.4km az=174.7.
IDC Error ellipse: s-maj=15.0km s-min=10.0km az=85.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=4.7km az=80.0. Felt at Barrigada and Hagatna.
ISC XI 28 14 18 58.5–1.0 12.3N–.10 147.3E–.10 35 3.6b 14 3-69
IDC XI 28 14 18 53.1–1.3 12.29N 147.38E 0 4.6,4.4s **¶12075149**
ISCJB XI 28 14 18 56.1–1.0 12.3N–.10 147.3E–.10 33 3.6b,4.4s
NEIC XI 28 14 18 58.3–.81 12.26N 147.33E 35 4.5b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=23.7km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=10.1km az=139.3.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=12.0km az=75.0.
ISC XI 28 15 31 49.4–.00 12.1N–.10 143.9E–.20 35 3.8b 15 2-92
IDC XI 28 15 31 42.8–7.9 11.83N 143.86E 0 4.0,3.9b **¶12075154**
ISCJB XI 28 15 31 47.3–.00 12.0N–.10 143.8E–.20 33 3.8b,3.9b
NEIC XI 28 15 31 49.4–.91 12.10N 143.92E 35 3.8b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=216.7km s-min=46.1km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=30.2km s-min=10.7km az=37.7.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=16.3km az=118.0.
IDC XI 30 20 07 35.9–1.4 12.35N 141.89E 0 3.9,3.6b
¶12075362
IDC Error ellipse: s-maj=42.1km s-min=29.2km az=99.0.
IDC XII 04 03 13 14.9–1.2 12.74N 142.62E 0 4.0,3.9b
¶12075677
IDC Error ellipse: s-maj=47.8km s-min=21.1km az=87.0.
ISC XII 06 00 46 19.5–1.2 12.98N–.07 146.39E–.06 50–10 4.8b,4.4s 136 2-146
BJI XII 06 00 46 13.1 12.74N 146.91E 42 5.1b,5.0s **¶11493237**
ISCJB XII 06 00 46 19.0–1.3 12.99N–.08 146.34E–.06 60–10 4.8b,5.0s
MOS XII 06 00 46 19.2–1.1 13.11N 146.32E 61 5.0b,5.0s
NEIC XII 06 00 46 19.1–1.4 12.96N 146.39E 49–12 4.8b,5.0s
IDC XII 06 00 46 20.6–.78 13.10N 146.38E 56–6 4.5,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=9.4km az=10.6.
MOS Error ellipse: s-maj=12.3km s-min=7.9km az=119.4.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.3km az=152.0.
IDC Error ellipse: s-maj=17.7km s-min=8.2km az=17.0.
IDC XII 07 07 33 32.1–1.1 12.86N 143.60E 0 4.1,4.0b
¶12076132
IDC Error ellipse: s-maj=33.7km s-min=23.8km az=149.0.
ISC XII 11 22 22 37.9–6.3 11.9N–.20 143.7E–.30 24–45 3.6b 14 2-89
IDC XII 11 22 22 34.1–1.1 11.92N 143.64E 0 4.0,3.7b **¶12077018**
ISCJB XII 11 22 22 37.2–5.9 11.9N–.20 143.6E–.30 31–42 3.6b,3.7b
NEIC XII 11 22 22 39.4–.86 11.91N 143.73E 35 3.6b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=53.0km s-min=21.3km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=53.9km s-min=14.8km az=32.6.
NEIC Event type se. Error ellipse: s-maj=42.9km s-min=16.7km az=118.0.
ISC XII 15 08 41 54.0–5.7 12.51N–.06 145.24E–.10 6–35 4.4b,3.6s 69 1-147
IDC XII 15 08 41 53.0–.61 12.53N 145.20E 0 4.3,4.2 **¶11527686**
NEIC XII 15 08 41 54.6–.32 12.53N 145.21E 10 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=13.3km az=84.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.7km az=84.0.
ISC XII 15 18 43 41.4–1.2 12.08N–.04 144.24E–.06 44–11 4.7b,3.5s 161 2-155
IDC XII 15 18 43 35.3–.47 12.11N 144.13E 0 4.5,4.5 **¶12077646**
NEIC XII 15 18 43 36.3–4.1 12.08N 144.15E 7–25 5.0b,4.5
MOS XII 15 18 43 38.7–.95 12.05N 144.17E 39 5.1b,4.5
ISCJB XII 15 18 43 39.8–1.2 12.06N–.04 144.19E–.07 46–11 4.7b,3.5s
DJA XII 15 18 43 43 12.63N 143.80E 10 5.0b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=10.6km az=91.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.4km az=84.0.
MOS Error ellipse: s-maj=13.3km s-min=7.2km az=106.7.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.6km az=4.0.
ISC XII 16 03 42 44.4–2.6 12.0N–.10 143.3E–.20 36–25 4.0b 24 2-92
IDC XII 16 03 42 39.0–.83 12.00N 143.25E 0 4.2,4.0L **¶12077707**
ISCJB XII 16 03 42 42.3–.68 12.0N–.10 143.2E–.10 33 4.0b,4.0L
NEIC XII 16 03 42 44.4–2.4 11.98N 143.27E 37–23 4.0b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=18.1km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=7.7km az=136.1.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=15.0km az=104.0.
ISC XII 16 09 38 49.6–1.8 12.71N–.10 143.6E–.20 86–18 3.6b 24 2-88
ISCJB XII 16 09 38 47.8–1.9 12.70N–.10 143.5E–.20 85–20 3.6b **¶12077738**
IDC XII 16 09 38 50.0–2.0 12.72N 143.62E 89–20 3.5,3.4
NEIC XII 16 09 38 49.6–1.4 12.71N 143.60E 87–15 4.2b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.3km s-min=14.9km az=13.8.
IDC Error ellipse: s-maj=30.7km s-min=17.4km az=106.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=10.7km az=101.0.
ISC XII 20 17 27 41.2–.82 12.77N–.05 143.15E–.07 130–9 4.7b 101 2-150
BJI XII 20 17 27 39.2 12.74N 143.17E 127 5.1b,5.1b **¶12078361**

ISCJB XII 20 17 27 40.2–.80 12.78N–.05 143.15E–.07 137–9 4.7b,5.1b
NEIC XII 20 17 27 40.6–.77 12.77N 143.10E 124–7 5.0b,5.1b
IDC XII 20 17 27 41.0–1.2 12.78N 143.14E 126–12 4.3,4.2b
DJA XII 20 17 27 43 12.74N 143.20E 143 4.9b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.3km az=11.5.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.4km az=79.0.
IDC Error ellipse: s-maj=16.1km s-min=11.0km az=97.0.
ISC XII 21 12 51 35.5–1.8 12.52N–.08 144.7E–.10 42–15 4.0b,2.8s 30 1-144
ISCJB XII 21 12 51 34.4–1.6 12.50N–.09 144.7E–.10 47–13 4.0b,2.8s **¶12078459**
IDC XII 21 12 51 35.9–1.9 12.53N 144.83E 50–15 3.8,3.7
NEIC XII 21 12 51 35.1–1.9 12.55N 144.73E 40–17 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=13.9km az=13.3.
IDC Error ellipse: s-maj=29.2km s-min=15.1km az=103.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=12.4km az=104.0.
ISC XII 21 17 16 32.1–1.8 12.33N–.08 144.2E–.20 39–18 3.9b 32 1-144
ISCJB XII 21 17 16 30.5–1.8 12.31N–.08 144.2E–.20 40–18 3.9b **¶12078478**
NEIC XII 21 17 16 31.9–1.4 12.34N 144.25E 39–13 4.2b
IDC XII 21 17 16 32.8–2.1 12.32N 144.27E 45–20 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.8km s-min=12.3km az=8.9.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=8.7km az=96.0.
IDC Error ellipse: s-maj=25.8km s-min=14.8km az=110.0.
IDC XII 23 21 44 39.3–1.1 12.34N 144.12E 0 3.7,3.5b
¶12078733
IDC Error ellipse: s-maj=39.6km s-min=17.0km az=111.0.
ISC XII 24 05 27 19.6–1.6 11.60N–.06 142.31E–.07 41–14 4.7b,3.8s 67 3-150
ISCJB XII 24 05 27 16.2–3.7 11.58N–.05 142.24E–.06 29–26 4.7b,3.8s **¶11613269**
NEIC XII 24 05 27 18.9–.24 11.65N 142.32E 35 4.9b,3.8s
IDC XII 24 05 27 20.3–.64 11.59N 142.31E 49–6 4.3,4.2
BJI XII 24 05 27 21.3 11.60N 142.40E 60 4.9b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=9.1km az=6.3.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.7km az=78.0.
IDC Error ellipse: s-maj=13.3km s-min=9.1km az=107.0.
IDC XII 24 06 07 28.7–1.3 12.29N 144.24E 0 3.7,3.6b
¶12078776
IDC Error ellipse: s-maj=49.0km s-min=17.7km az=106.0.
ISC XII 24 18 58 51.1–.87 12.04N–.04 143.86E–.04 38–7 5.0b,4.2s 279 2-153
IDC XII 24 18 58 44.9–.47 12.01N 143.95E 0 4.8,4.7 **¶11518761**
MOS XII 24 18 58 48.5–1.3 12.06N 143.81E 33 5.3b,4.7
ISCJB XII 24 18 58 49.8–.90 12.12N–.04 143.78E–.04 37–7 5.0b,4.2s
BJI XII 24 18 58 50.3 12.24N 144.01E 48 5.1b,4.9b
NEIC XII 24 18 58 50.9–.22 11.98N 143.82E 40 5.2b,4.9b
TEH XII 24 18 58 53.0 12.48N 143.81E 48 5.2b,4.9b
GCMT XII 24 18 58 53.4–.30 11.77N 143.65E 16–1 4.8W,4.9b
DJA XII 24 18 59 53 9.95N 140.70E 377 4.7b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=11.5km az=83.0.
MOS Error ellipse: s-maj=10.5km s-min=6.3km az=108.6.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.7km az=158.9.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=6.2km az=195.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s21,c25; s49,c76; Moment tensor: Scale 10^{16}Nm; M_{rr}1.91±.17 $M_{\theta\theta}$-1.57±.10; $M_{\phi\phi}$-0.34±.12; $M_{r\theta}$1.04±.31; $M_{\theta\phi}$-0.95±.07; $M_{\phi r}$-0.19±.36; Best double couple: NP1:ϕ_s225.00000°,δ36.00000°,λ62.00000°. NP2:ϕ_s78.00000°,δ59.00000°,λ109.00000°. Principal axes: T 2.2700,Plg70.0000° ,Azm31.0000°; N -0.0200,Plg16.0000°,Azm248.0000°; P -2.2500,Plg12.0000° ,Azm155.0000° $M_0$2.30000×10^{16}
ISC XII 26 13 21 20.9–6.7 11.78N–.10 144.2E–.20 18–42 3.5b 19 2-85
IDC XII 26 13 21 18.0–1.0 11.84N 144.27E 0 3.6,3.5 **¶12079062**
NEIC XII 26 13 21 22.9–.68 11.81N 144.28E 35 4.0b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=18.1km az=103.0.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=11.5km az=102.0.
IDC XII 31 14 25 56.5–1.4 11.93N 145.03E 0 3.6,3.3b
¶12079661
IDC Error ellipse: s-maj=70.9km s-min=18.9km az=96.0.
IDC XII 31 16 44 10.9–1.5 12.21N 143.80E 0 3.8,3.5b
¶12079674
IDC Error ellipse: s-maj=143.7km s-min=20.4km az=115.0.

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ISC VII 02 18 23 24.8–.54 29.02N–.07 141.6E–.30 35 3.5b 19 2-53
IDC VII 02 18 23 21.2–1.8 28.96N 141.20E 0 3.5,3.5 **¶12697950**
ISCJB VII 02 18 23 22.8–.52 29.05N–.06 141.5E–.30 33 3.5b,3.5
JMA VII 02 18 23 23.1 29.05N 141.56E 43 3.8,3.5
IDC Error ellipse: s-maj=93.5km s-min=22.3km az=76.0.
ISCJB Error ellipse: s-maj=36.7km s-min=4.6km az=167.5.
JMA Error ellipse: s-maj=2.2km s-min=7.8km az=-1.0.
ISC VII 03 02 26 37.2–2.0 31.23N–.06 142.8E–.10 19–13 3.9b 39 3-148
ISCJB VII 03 02 26 34.9–1.9 31.24N–.06 142.8E–.10 15–14 3.9b **¶11810456**
JMA VII 03 02 26 36.2–.20 31.18N 142.84E 51 4.3
NEIC VII 03 02 26 39.6–.60 31.16N 142.85E 35 4.3
IDC VII 03 02 26 39.4–.87 31.09N 142.85E 33–7 3.9,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=6.0km az=154.1.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=11.7km az=59.0.
IDC Error ellipse: s-maj=26.4km s-min=18.3km az=68.0.
ISC VII 04 16 58 20.6–.44 30.88N–.03 141.09E–.08 96–4 4.1b 64 2-150
NIED VII 04 16 58 00 31.00N 141.20E 89 4.1W **¶11479847**
BJI VII 04 16 58 13.5 30.70N 141.64E 83 4.2b,4.2b
ISCJB VII 04 16 58 19.1–.45 30.88N–.03 141.06E–.08 98–4 4.1b,4.2b
IDC VII 04 16 58 19.1–1.0 30.81N 140.75E 73–9 3.9,3.8
NEIC VII 04 16 58 19.9–1.2 30.74N 140.73E 84–10 4.8b,4.0W
JMA VII 04 16 58 20.5–.10 30.96N 141.18E 90 4.6,4.0W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s340.00000°,δ77.00000°,λ39.00000°. NP2:ϕ_s240.00000°,δ52.00000°,λ164.00000°. $M_0$1.35000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=4.1km az=162.3.
IDC Error ellipse: s-maj=15.7km s-min=6.9km az=75.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.9km az=84.0. Moment Tensor Solution. $M_0$1.40000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISC VII 05 12 41 24.3–2.3 30.76N–.06 141.9E–.20 22–20 3.9b 27 3-75
IDC VII 05 12 41 21.9–1.7 30.65N 141.52E 0 3.8b,3.8 **¶11810702**
ISCJB VII 05 12 41 23.5–.64 30.78N–.05 141.9E–.20 33 3.9b,3.8
JMA VII 05 12 41 23.8–.30 30.79N 141.81E 46 3.8,3.8
NEIC VII 05 12 41 23.8 30.79N 141.81E 46 3.8,3.8
ISC Event type se.
IDC Error ellipse: s-maj=74.6km s-min=14.5km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=4.4km az=163.6.
JMA Error ellipse: s-maj=3.3km s-min=5.7km az=-1.0.
NEIC Event type se. After JMA.
ISC VII 06 14 31 01.5–.37 29.18N–.05 139.8E–.10 389–5 3.9b 60 3-165
ISCJB VII 06 14 31 00.6–.37 29.17N–.04 139.8E–.10 398–5 3.9b **¶11810808**
JMA VII 06 14 31 00.9–.20 29.22N 140.13E 408–4 3.5
IDC VII 06 14 31 01.1–.58 29.20N 139.70E 381–7 3.6b,3.6
NEIC VII 06 14 31 02.0–.98 29.16N 139.59E 388–9 3.9b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=5.5km az=163.5.
JMA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=7.7km az=72.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=9.0km az=78.0.
JMA VII 07 14 07 53.1–.30 31.03N 143.15E 54 4.0
NIED VII 07 14 07 00 31.00N 143.10E 8 3.6W **¶11746921**
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s304.00000°,δ84.00000°,λ125.00000°. NP2:ϕ_s42.00000°,δ36.00000°,λ10.00000°. $M_0$2.60000×10^{14}
ISC VII 09 05 06 43.0–.78 31.80N–.05 140.7E–.10 76–8 3.6b 41 1-94
ISCJB VII 09 05 06 41.6–.81 31.80N–.05 140.7E–.10 80–8 3.6b **¶11811056**
IDC VII 09 05 06 42.4–1.5 31.73N 140.32E 68–14 3.6,3.5b
JMA VII 09 05 06 43.0–.20 31.97N 140.77E 19 3.9,3.5b
NEIC VII 09 05 06 43.1 31.97N 140.77E 19 3.9,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=7.6km az=173.6.
IDC Error ellipse: s-maj=50.1km s-min=13.2km az=74.0.
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.
ISC VII 09 11 02 39.7–.69 30.12N–.07 139.9E–.20 401–10 2.8b 22 3-54
ISCJB VII 09 11 02 38.6–.70 30.09N–.07 139.7E–.20 411–11 2.8b **¶12698098**
IDC VII 09 11 02 38.7–2.4 29.75N 138.77E 349–65 2.8,2.8
JMA VII 09 11 02 38.6–.20 30.11N 139.81E 420–3 3.4,2.8
ISCJB Error ellipse: s-maj=34.7km s-min=6.5km az=166.5.
IDC Error ellipse: s-maj=149.1km s-min=13.3km az=70.0.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
ISC VII 09 17 59 17.8–.50 29.76N–.04 141.9E–.10 66–6 3.8b 58 3-149
ISCJB VII 09 17 59 16.1–.51 29.76N–.04 141.8E–.10 62–7 3.9b **¶11811104**
IDC VII 09 17 59 16.5–1.2 29.91N 142.33E 66–7 3.5,3.5
JMA VII 09 17 59 16.2 29.70N 141.42E 46 4.3,3.5
NEIC VII 09 17 59 18.5–2.4 29.96N 142.27E 82–19 4.5b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=4.2km az=167.8.
IDC Error ellipse: s-maj=45.1km s-min=12.2km az=74.0.
JMA Error ellipse: s-maj=2.2km s-min=7.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=49.0km s-min=16.4km az=75.0.
JMA VII 10 13 06 47.7–.20 30.00N 140.54E 191 3.5
¶13505556
JMA Error ellipse: s-maj=3.3km s-min=7.7km az=-1.0.
ISC VII 12 13 18 43.6–1.7 32.72N–.04 141.92E–.08 7–12 3.9b 53 2-92
NIED VII 12 13 18 00 32.70N 142.00E 5 4.1W **¶11479964**
BJI VII 12 13 18 42.9 32.70N 141.80E 13 4.3b,3.8b
ISCJB VII 12 13 18 42.7–1.5 32.71N–.04 142.01E–.07 17–12 3.9b,3.8b
IDC VII 12 13 18 43.0–1.1 32.69N 141.81E 0 3.9,3.8L
JMA VII 12 13 18 43.7–.30 32.67N 142.04E 88 3.5,3.8L
NEIC VII 12 13 18 44.9–6.1 32.72N 141.84E 13–36 4.1b,3.8L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s133.00000°,δ69.00000°,λ90.00000°. NP2:ϕ_s313.00000°,δ21.00000°,λ90.00000°. $M_0$1.68000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=5.6km az=155.8.
IDC Error ellipse: s-maj=29.6km s-min=15.8km az=62.0.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=13.4km az=67.0.
ISC VII 12 16 58 52.1–.53 30.20N–.06 139.9E–.20 355–9 2.8b 29 3-54
IDC VII 12 16 58 51.0–2.8 29.91N 138.80E 310–68 2.8,2.8 **¶12698164**
ISCJB VII 12 16 58 51.0–.53 30.17N–.06 139.8E–.20 363–10 2.8b,2.8
JMA VII 12 16 58 51.0–.30 30.13N 139.70E 366–5 3.4,2.8
IDC Error ellipse: s-maj=149.9km s-min=13.5km az=70.0.
ISCJB Error ellipse: s-maj=30.7km s-min=5.7km az=166.9.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
ISC VII 14 14 24 37.5–1.4 33.27N–.06 141.0E–.10 44–18 3.7b 18 1-57
ISCJB VII 14 14 24 36.7–1.2 33.28N–.05 141.0E–.10 60–13 3.7b **¶12698215**
IDC VII 14 14 24 36.5–1.4 32.71N 139.03E 0 3.7,3.6b
JMA VII 14 14 24 36.8–.20 33.32N 141.02E 57 3.1,3.6b
ISCJB Error ellipse: s-maj=14.4km s-min=8.1km az=6.4.
IDC Error ellipse: s-maj=33.8km s-min=15.6km az=127.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC VII 15 06 29 18.6–.29 29.70N–.03 139.07E–.05 408–3 3.9b 108 3-152
ISCJB VII 15 06 29 17.9–.29 29.69N–.03 139.07E–.05 418–3 3.9b **¶11136613**
BJI VII 15 06 29 17.7 29.40N 138.63E 429 4.6b,4.5b
IDC VII 15 06 29 18.2–.59 29.71N 139.02E 404–6 3.6,3.6
JMA VII 15 06 29 18.2–.20 29.76N 139.42E 429–4 4.3,3.6
NEIC VII 15 06 29 18.9–.57 29.74N 138.92E 410–6 4.3b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.8km az=164.8.
IDC Error ellipse: s-maj=11.5km s-min=7.1km az=78.0.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.6km az=105.0.
JMA VII 15 09 47 32.0–.20 31.72N 140.71E 57 3.6
¶13507553
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISC VII 16 23 24 59.6–.43 30.04N–.05 138.9E–.10 428–7 3.4b 50 3-84
ISCJB VII 16 23 24 58.6–.44 30.02N–.05 138.8E–.10 433–7 3.4b **¶11811797**
IDC VII 16 23 24 59.3–.69 29.96N 138.71E 420–8 3.3,3.2
JMA VII 16 23 24 59.8–.20 30.17N 139.48E 459 3.7,3.2
NEIC VII 16 23 24 59.6–1.6 30.17N 139.28E 451–18 3.6b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=6.7km az=165.0.
IDC Error ellipse: s-maj=16.3km s-min=9.5km az=71.0.
JMA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=8.0km az=67.0.
JMA VII 17 07 49 53.6–.40 32.41N 142.56E 0 3.8
¶13508320
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
JMA VII 18 00 57 25.9–.50 32.14N 141.85E 0 3.7
¶13508595
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
ISC VII 18 22 04 01.4–.77 33.7N–.10 138.5E–.10 276–8 3.0b 21 2-53
JMA VII 18 22 03 57.4–.10 33.52N 138.50E 310 3.0 **¶12698295**
ISCJB VII 18 22 04 00.4–.77 33.7N–.10 138.5E–.10 284–8 3.0b
IDC VII 18 22 04 00.8–3.0 33.51N 138.23E 260–77 2.9b,2.9
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
ISCJB Error ellipse: s-maj=17.2km s-min=13.8km az=166.6.
IDC Error ellipse: s-maj=180.0km s-min=23.2km az=62.0.
ISC VII 19 11 28 19.2–.50 29.25N–.04 141.6E–.20 50–7 4.1b 45 2-150
ISCJB VII 19 11 28 17.5–.56 29.31N–.04 141.7E–.20 56–8 4.1b **¶13389577**
JMA VII 19 11 28 17.3–.10 29.36N 141.99E 51 4.3
IDC VII 19 11 28 21.1–.67 29.07N 141.22E 57–6 4.4s,4.4
NEIC VII 19 11 28 21.1–.50 29.10N 141.20E 59 4.3b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.8km s-min=4.3km az=166.7.
JMA Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=23.9km s-min=7.6km az=67.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=8.9km az=80.0.
ISC VII 20 05 37 50.6–2.7 31.2N–.10 139.2E–.20 56–27 3.6b 11 3-95
IDC VII 20 05 37 44.1–1.6 30.93N 139.98E 0 3.9,3.6b **¶12698340**
JMA VII 20 05 37 45.5–.30 31.43N 139.49E 0 3.3,3.6b
ISCJB VII 20 05 37 48.5–2.9 31.1N–.10 139.2E–.20 55–28 3.6b,3.6b
ISC VII 23 10 42 52.4–.47 29.57N–.03 140.98E–.06 58–4 4.3b 107 3-152
NIED VII 23 10 42 00 29.80N 141.80E 56 4.2W **¶11480095**
ISCJB VII 23 10 42 50.6–.53 29.59N–.03 140.97E–.06 56–5 4.3b
MOS VII 23 10 42 50.4–1.0 29.64N 140.90E 56 4.9b
JMA VII 23 10 42 51.0–.10 29.77N 141.83E 47 4.6
IDC VII 23 10 42 54.5–.67 29.62N 140.94E 77–5 4.1,4.0
NEIC VII 23 10 42 55.0–1.5 29.70N 140.95E 78–12 4.4b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ52.00000°,λ68.00000°. NP2:ϕ_s12.00000°,δ43.00000°,λ116.00000°. $M_0$2.15000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=167.5.
MOS Error ellipse: s-maj=16.1km s-min=8.3km az=101.1.
JMA Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=15.4km s-min=14.2km az=62.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.2km az=143.0.
ISC VII 25 18 43 12.9–1.3 32.6N–.10 138.2E–.10 364–11 27 2-44
JMA VII 25 18 43 07.9–.60 32.06N 138.26E 369 3.0 **¶12698434**
IDC VII 25 18 43 13.8–7.2 32.69N 138.20E 368–42 2.8b,2.7
JMA Error ellipse: s-maj=7.8km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=101.5km s-min=67.8km az=158.0.

ISC VII 28 11 38 36.8–1.9 32.73N–.06 142.63E–.07 32–14 3.7b 44 2-92
NIED VII 28 11 38 00 32.70N 142.50E 5 3.7W ¶11747181
IDC VII 28 11 38 31.4–.95 32.55N 142.65E 0 3.9,3.8L
ISCJB VII 28 11 38 35.5–1.3 32.79N–.07 142.66E–.08 33–10 3.7b,3.8L
JMA VII 28 11 38 36.0–.30 32.66N 142.47E 63 4.1,3.8L
NEIC VII 28 11 38 36.0 32.66N 142.48E 63 4.1,3.8L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ48.00000°,λ-67.00000°. NP2:ϕ_s169.00000°,δ47.00000°,λ-114.00000°. $M_0$3.88000×10^{14}
IDC Error ellipse: s-maj=25.4km s-min=21.2km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=10.4km az=21.5.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
NEIC Event type se. After JMA.
ISC VII 30 19 14 10.0–1.8 32.45N–.07 141.8E–.10 10–11 3.7b 30 2-54
NIED VII 30 19 14 00 32.50N 141.80E 5 3.8W ¶11747217
IDC VII 30 19 14 02.9–6.3 32.97N 143.33E 0 3.7,3.6b
NEIC VII 30 19 14 04.8–2.5 32.86N 143.11E 10 4.1b,3.6b
JMA VII 30 19 14 09.2–.30 32.52N 141.85E 8 3.7,3.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ56.00000°,λ97.00000°. NP2:ϕ_s187.00000°,δ35.00000°,λ80.00000°. $M_0$5.41000×10^{14}
IDC Error ellipse: s-maj=336.8km s-min=107.7km az=42.0.
NEIC Event type se. Error ellipse: s-maj=96.2km s-min=15.1km az=63.0.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISC VIII 01 17 21 51.4–.33 29.91N–.04 139.15E–.08 435–4 3.8b 61 3-85
NIED VIII 01 17 21 00 29.90N 139.30E 440 4.0W ¶11747241
ISCJB VIII 01 17 21 50.6–.33 29.90N–.04 139.14E–.08 443–4 3.8b
NEIC VIII 01 17 21 51.1–.75 29.89N 138.96E 426–9 4.1b
IDC VIII 01 17 21 51.6–.83 29.91N 138.99E 430–9 3.4,3.3
JMA VIII 01 17 21 51.1–.20 29.95N 139.31E 446–4 3.8,3.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s268.00000°,δ60.00000°,λ-58.00000°. NP2:ϕ_s37.00000°,δ43.00000°,λ-133.00000°. $M_0$1.28000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.4km az=158.5.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.3km az=91.0.
IDC Error ellipse: s-maj=19.4km s-min=10.6km az=81.0.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
IDC VIII 02 17 35 27.5–1.6 31.50N 139.70E 0 3.8,3.6s
¶12580903
IDC Error ellipse: s-maj=40.6km s-min=24.4km az=126.0.
ISC VIII 03 14 42 04.9–1.2 32.29N–.07 140.84E–.08 69–8 4.0b 53 1-149
NIED VIII 03 14 42 00 32.30N 140.90E 50 4.0W ¶11747262
JMA VIII 03 14 42 02.3–.20 32.25N 140.94E 32 4.3
ISCJB VIII 03 14 42 03.8–1.2 32.30N–.06 140.85E–.08 75–8 4.0b
NEIC VIII 03 14 42 05.1–1.9 32.01N 140.71E 84–15 4.3b
IDC VIII 03 14 42 05.3–3.2 32.36N 140.70E 74–17 4.0,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ86.00000°,λ68.00000°. NP2:ϕ_s251.00000°,δ22.00000°,λ169.00000°. $M_0$1.30000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=8.8km az=136.5.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=10.6km az=172.0.
IDC Error ellipse: s-maj=47.4km s-min=19.9km az=3.0.
IDC VIII 05 08 54 47.8–1.4 29.77N 141.35E 58–7 3.8,3.6b
NIED VIII 05 08 54 00 29.70N 141.50E 32 3.5W,3.6b ¶11747288
IDC Error ellipse: s-maj=40.9km s-min=23.2km az=45.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s91.00000°,δ80.00000°,λ-72.00000°. NP2:ϕ_s210.00000°,δ20.00000°,λ-149.00000°. $M_0$2.09000×10^{14}
ISC VIII 08 06 12 24.8–1.9 32.43N–.08 142.78E–.08 11–14 3.5b 35 3-92
NIED VIII 08 06 12 00 32.40N 142.80E 8 3.6W ¶11747327
IDC VIII 08 06 12 21.7–1.2 32.12N 142.78E 0 3.8,3.6
JMA VIII 08 06 12 23.9–.30 32.39N 142.76E 22 3.8,3.6
ISCJB VIII 08 06 12 24.3–1.5 32.52N–.08 142.81E–.07 15–12 3.5b,3.6
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ66.00000°,λ-92.00000°. NP2:ϕ_s331.00000°,δ24.00000°,λ-85.00000°. $M_0$2.97000×10^{14}
ISC VIII 08 12 14 36.6–1.9 31.31N–.06 142.5E–.10 24–15 3.7b 35 3-93
IDC VIII 08 12 14 32.4–.91 31.12N 142.54E 0 3.7b,3.7 ¶11907959
ISCJB VIII 08 12 14 34.6–1.8 31.32N–.06 142.5E–.10 23–14 3.7b,3.7
JMA VIII 08 12 14 34.3–.20 31.27N 142.61E 57 3.7,3.7
NEIC VIII 08 12 14 37.7–.68 31.14N 142.50E 35 3.7,3.7
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=19.1km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=7.2km az=151.9.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=12.3km az=49.0.
ISC VIII 11 02 36 34.1–.56 31.65N–.07 138.31E–.08 384–4 3.5b 58 2-80
ISCJB VIII 11 02 36 32.3–.44 31.55N–.05 138.39E–.08 388–4 3.5b ¶11908066
JMA VIII 11 02 36 32.6–.40 31.60N 138.37E 396–4 3.7
NEIC VIII 11 02 36 33.5–.69 31.57N 138.20E 378–6 3.6b
IDC VIII 11 02 36 34.0–.72 31.58N 138.17E 382–7 3.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=8.0km az=159.9.
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.6km az=92.0.
IDC Error ellipse: s-maj=17.5km s-min=11.5km az=77.0.
ISC VIII 11 17 37 12.9–.54 30.13N–.06 139.2E–.10 435–6 3.6b 49 3-82
ISCJB VIII 11 17 37 11.7–.52 30.07N–.06 139.1E–.10 437–6 3.6b ¶11908093
IDC VIII 11 17 37 12.0–.79 30.01N 138.88E 419–12 3.3b,3.3
NEIC VIII 11 17 37 13.0–1.3 30.05N 138.67E 424–13 3.9b,3.3
JMA VIII 11 17 37 13.5–.20 30.04N 139.04E 415 3.3,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=8.2km az=162.8.
IDC Error ellipse: s-maj=33.4km s-min=10.3km az=72.0.
NEIC Event type se. Error ellipse: s-maj=35.6km s-min=16.8km az=79.0.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
JMA VIII 12 04 24 23.3–.30 32.03N 139.52E 252–3 3.6
¶13518546
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
JMA VIII 12 14 06 30.9–.20 30.75N 142.11E 39 3.6
¶13518686
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
JMA VIII 12 21 51 19.5–.60 29.97N 142.09E 0 4.0
¶13518810
JMA Error ellipse: s-maj=6.7km s-min=6.7km az=-1.0.
JMA VIII 15 01 40 22.5–.20 31.47N 141.08E 78 3.8
¶13519642
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISC VIII 15 06 40 42.3–.66 30.63N–.07 138.7E–.10 463–7 3.4b 42 3-81
ISCJB VIII 15 06 40 40.8–.66 30.54N–.08 138.7E–.10 464–7 3.4b ¶12581093
IDC VIII 15 06 40 40.9–.83 30.40N 138.48E 442–13 3.2b,3.2
JMA VIII 15 06 40 41.8–.30 30.67N 138.62E 470 3.6,3.2
ISCJB Error ellipse: s-maj=15.7km s-min=11.6km az=12.5.
IDC Error ellipse: s-maj=31.8km s-min=12.4km az=78.0.
JMA Error ellipse: s-maj=4.4km s-min=2.9km az=-1.0.
ISC VIII 15 21 08 50.9–1.8 32.65N–.09 141.3E–.20 43–21 3.8b 15 1-56
IDC VIII 15 21 08 45.3–10 32.48N 141.29E 0 3.9,3.7b ¶12581114
ISCJB VIII 15 21 08 50.4–1.6 32.67N–.08 141.2E–.20 63–18 3.8b,3.7b
JMA VIII 15 21 08 50.4–.30 32.68N 141.27E 68 3.3,3.7b
IDC Error ellipse: s-maj=368.9km s-min=31.2km az=66.0.
ISCJB Error ellipse: s-maj=23.2km s-min=13.7km az=0.7.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
JMA VIII 16 05 36 53.1–.10 29.17N 140.77E 148 3.7
¶13520072
JMA Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.
JMA VIII 16 14 55 26.7–.30 31.84N 141.39E 0 3.6
¶13520216
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
ISC VIII 21 02 28 48.7–.86 32.53N–.05 140.81E–.05 65–5 4.6b 113 1-149
NIED VIII 21 02 28 00 32.60N 140.90E 65 4.2W ¶13392230
MOS VIII 21 02 28 42.6–1.1 32.36N 140.89E 33 4.7b
BJI VIII 21 02 28 44.7 32.59N 141.19E 74 4.6s,4.6b
ISCJB VIII 21 02 28 48.0–.87 32.56N–.05 140.78E–.05 76–5 4.6b,4.6b
IDC VIII 21 02 28 48.3–1.6 32.48N 140.74E 61–12 4.2,4.1
NEIC VIII 21 02 28 48.2–1.5 32.47N 140.75E 61–11 4.6b,4.2W
JMA VIII 21 02 28 49.0–.20 32.64N 140.87E 58 4.6,4.2W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ81.00000°,λ57.00000°. NP2:ϕ_s65.00000°,δ34.00000°,λ164.00000°. $M_0$2.45000×10^{15}
MOS Error ellipse: s-maj=16.0km s-min=7.5km az=114.8.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=6.5km az=144.1.
IDC Error ellipse: s-maj=18.6km s-min=14.3km az=83.0.
NEIC Event type fe. Error ellipse: s-maj=13.2km s-min=10.3km az=174.0. Recorded [1 JMA] on Aoga-shima and Hachijo-jima. Moment Tensor Solution. $M_0$2.50000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC VIII 21 17 20 45.0–3.2 30.06N 140.66E 0 4.1b,4.1
¶12581266
IDC Error ellipse: s-maj=218.7km s-min=20.6km az=83.0.
ISC VIII 24 09 28 15.0–.40 32.22N–.04 139.15E–.03 232–2 4.3b 271 1-151
NIED VIII 24 09 28 00 32.40N 139.50E 240 4.5W ¶13392466
BJI VIII 24 09 28 06.2 31.98N 140.00E 226 4.7b,4.6b
MOS VIII 24 09 28 12.9–1.0 32.20N 139.08E 231 4.3b,4.6b
ISCJB VIII 24 09 28 13.6–.39 32.16N–.04 139.14E–.03 234–2 4.3b,4.6b
IDC VIII 24 09 28 14.1–.45 32.16N 139.16E 232–3 4.1,4.1
NEIC VIII 24 09 28 14.2–.65 32.17N 139.11E 227–6 4.2b,4.1
JMA VIII 24 09 28 15.9–.20 32.39N 139.47E 247–2 4.8,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ84.00000°,λ-155.00000°. NP2:ϕ_s39.00000°,δ65.00000°,λ-6.00000°. $M_0$7.41000×10^{15}
MOS Error ellipse: s-maj=12.2km s-min=6.4km az=89.5.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.3km az=168.9.
IDC Error ellipse: s-maj=11.3km s-min=7.8km az=87.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.6km az=134.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC VIII 25 02 02 44.0–.81 30.73N–.05 141.8E–.20 38–10 3.8b 29 3-83
NIED VIII 25 02 02 00 30.90N 141.90E 5 3.9W ¶11747493
IDC VIII 25 02 02 39.3–2.2 30.60N 141.42E 0 3.8b,3.8
ISCJB VIII 25 02 02 41.9–.88 30.74N–.05 141.8E–.20 37–11 3.8b,3.8
JMA VIII 25 02 02 43.7–.60 30.86N 141.93E 80 3.6,3.8
NEIC VIII 25 02 02 44.9–2.6 30.61N 141.44E 40–20 3.6,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s353.00000°,δ88.00000°,λ81.00000°. NP2:ϕ_s252.00000°,δ10.00000°,λ169.00000°. $M_0$9.21000×10^{14}
IDC Error ellipse: s-maj=110.3km s-min=15.4km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=5.5km az=166.4.
JMA Error ellipse: s-maj=4.4km s-min=5.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=96.4km s-min=17.7km az=76.0.
ISC VIII 26 00 17 15.1–.46 29.87N–.06 139.3E–.20 418–8 3.5b 39 3-80
ISCJB VIII 26 00 17 14.2–.45 29.87N–.06 139.3E–.10 428–7 3.5b ¶11908816
JMA VIII 26 00 17 14.8–.20 29.90N 139.49E 436 3.7
IDC VIII 26 00 17 14.5–.88 29.83N 139.05E 405–16 3.2,3.1b
NEIC VIII 26 00 17 15.1–.88 29.85N 138.90E 407–12 3.7b,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=7.2km az=164.5.
JMA Error ellipse: s-maj=3.3km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=47.4km s-min=9.2km az=72.0.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=8.7km az=74.0.
ISC VIII 26 15 57 01.9–.46 33.44N–.04 139.77E–.06 125–4 3.6b 35 0-150
ISCJB VIII 26 15 57 00.9–.46 33.44N–.04 139.77E–.07 131–3 3.4b ¶11908864
NEIC VIII 26 15 57 01.9–1.6 33.37N 139.51E 124–13 3.4b
IDC VIII 26 15 57 01.7–.47 33.33N 139.60E 121–4 3.4,3.2b
JMA VIII 26 15 57 02.7–.10 33.53N 139.78E 118–2 2.9,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.7km az=154.1.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=16.2km az=82.0.
IDC Error ellipse: s-maj=27.2km s-min=8.8km az=70.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 29 09 54 33.3–.33 30.09N–.03 138.62E–.03 435–3 4.5b 633 3-157
DJA VIII 29 09 54 29 30.02N 138.88E 411 4.9b ¶11223880
JMA VIII 29 09 54 31.5–.30 30.05N 139.07E 461–4 4.3
IDC VIII 29 09 54 31.6–.54 29.98N 138.71E 433–5 4.1,4.1
MOS VIII 29 09 54 31.5–.83 30.04N 138.56E 440 4.5b,4.1
BJI VIII 29 09 54 32.5 30.01N 138.68E 455 4.9b,4.6b
ISCJB VIII 29 09 54 32.5–.34 30.12N–.03 138.56E–.02 437–3 4.5b,4.6b
NEIC VIII 29 09 54 33.6–.45 30.05N 138.62E 444–5 4.5b,4.6b
ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=9.2km s-min=6.4km az=80.0.
MOS Error ellipse: s-maj=9.7km s-min=5.7km az=100.7.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.0km az=159.6.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.4km az=139.0.
ISC VIII 29 16 10 42.0–1.0 30.77N–.03 142.54E–.05 22–7 4.5b,3.7s 175 3-152
NIED VIII 29 16 10 00 30.70N 142.60E 11 4.1W,3.7s ¶13392906
IDC VIII 29 16 10 38.6–.47 30.75N 142.59E 0 4.4,4.4
ISCJB VIII 29 16 10 39.2–1.0 30.80N–.03 142.54E–.05 15–7 4.5b,3.7s
JMA VIII 29 16 10 40.7–.20 30.72N 142.57E 45 4.7,3.7s
MOS VIII 29 16 10 41.7–.92 30.77N 142.60E 33 4.8b,3.7s
NEIC VIII 29 16 10 43.7–.30 30.75N 142.58E 35 4.8b,4.1W
BJI VIII 29 16 10 45.3 30.98N 142.21E 35 4.6b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ63.00000°,λ-85.00000°. NP2:ϕ_s188.00000°,δ28.00000°,λ-99.00000°. $M_0$1.74000×10^{15}
IDC Error ellipse: s-maj=15.8km s-min=12.0km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.1km az=156.7.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
MOS Error ellipse: s-maj=14.4km s-min=6.3km az=122.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.8km az=62.0. Moment Tensor Solution. $M_0$1.70000×10^{15}
ISC VIII 30 14 02 38.5–1.3 31.8N–.10 139.0E–.30 397–12 3.0b 27 1-73
NEIC VIII 30 14 02 34.6–1.4 31.28N 138.71E 369–24 3.0b ¶11909119
ISCJB VIII 30 14 02 35.8–1.3 31.6N–.10 139.0E–.30 394–11 3.0b
IDC VIII 30 14 02 35.4–2.3 31.28N 138.68E 377–34 2.9b,2.9
JMA VIII 30 14 02 37.5–.30 31.65N 139.19E 386 3.4,2.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=70.3km s-min=19.4km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=35.0km s-min=20.0km az=6.9.
IDC Error ellipse: s-maj=78.7km s-min=17.1km az=69.0.
JMA Error ellipse: s-maj=4.4km s-min=6.6km az=-1.0.
JMA VIII 31 13 43 44.8–.40 30.89N 141.21E 0 3.6
¶13544020
JMA Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
ISC VIII 31 19 33 54.6–.67 31.06N–.03 141.52E–.07 37–5 4.4b,3.5s 90 3-149
NIED VIII 31 19 33 00 31.10N 141.60E 5 4.3W,3.5s ¶11653163
IDC VIII 31 19 33 49.2–.57 31.06N 141.54E 0 4.3,4.2
JMA VIII 31 19 33 52.4–.20 31.14N 141.63E 30 4.1,4.2
MOS VIII 31 19 33 52.0–.95 31.02N 141.51E 33 4.5b,4.2
ISCJB VIII 31 19 33 52.8–.72 31.09N–.03 141.53E–.08 39–6 4.4b,3.5s
NEIC VIII 31 19 33 54.5–1.1 31.07N 141.57E 39–9 4.4b,3.5s
BJI VIII 31 19 33 56.2 31.49N 141.23E 38 4.7b,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ61.00000°,λ114.00000°. NP2:ϕ_s153.00000°,δ37.00000°,λ55.00000°. $M_0$3.58000×10^{15}
IDC Error ellipse: s-maj=20.6km s-min=13.0km az=75.0.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
MOS Error ellipse: s-maj=18.3km s-min=7.8km az=123.3.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=5.4km az=169.7.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.2km az=126.0.
ISC IX 01 20 53 28.3–.24 29.84N–.02 139.29E–.02 372–2 5.0b 1269 3-165
SZGRF IX 01 20 52 49.9 30.04N 140.23E 33 5.4b ¶13393162
NIED IX 01 20 53 00 29.70N 139.90E 360 5.1W
BGS IX 01 20 53 21.9–1.6 28.61N 137.89E 350–0 4.9b
BJI IX 01 20 53 24.6 29.72N 139.34E 352 5.3b,4.8b
JMA IX 01 20 53 25.5–.20 29.74N 139.87E 375–3 5.4,4.8b

IDC IX 01 20 53 25.7–.47 29.70N 139.47E 355–4 4.7,4.7
MOS IX 01 20 53 25.9–.78 29.81N 139.30E 363 5.2b,4.7
NEIC IX 01 20 53 25.3–.14 29.73N 139.33E 349 5.0b,5.0W
ISCJB IX 01 20 53 26.4–.25 29.79N–.02 139.26E–.02 365–2 5.0b,5.0W
TEH IX 01 20 53 27.0 29.83N 139.49E 368 5.0b,5.0W
DJA IX 01 20 53 29 29.67N 139.37E 394 5.0b,5.0W
ISC Event type se.
SZGRF Southeast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s323.00000°,δ59.00000°,λ-42.00000°. NP2:ϕ_s79.00000°,δ55.00000°,λ-140.00000°. $M_0$4.73000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=6.1km az=77.0.
MOS Error ellipse: s-maj=8.5km s-min=3.9km az=112.7.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.4km az=158.0. Moment Tensor Solution. $M_0$4.70000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.2km az=155.2.
JMA IX 02 13 13 24.2–.40 31.82N 141.24E 18 3.5
¶14095880

JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISC IX 02 23 30 13.2–.88 31.22N–.06 142.1E–.20 53–8 3.8b 32 4-63
IDC IX 02 23 30 10.9–3.6 30.92N 141.16E 0 3.7,3.6 **¶11909332**
ISCJB IX 02 23 30 11.7–.90 31.20N–.05 142.0E–.20 57–9 3.8b,3.6
JMA IX 02 23 30 12.1–.30 31.20N 141.88E 42 3.9,3.6
NEIC IX 02 23 30 12.6–1.9 31.21N 141.91E 45–17 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=145.4km s-min=20.2km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=5.9km az=164.0.
JMA Error ellipse: s-maj=3.3km s-min=7.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=12.7km az=68.0.
ISC IX 03 01 44 36.8–.69 30.30N–.06 140.8E–.30 78–12 3.6b 23 3-83
ISCJB IX 03 01 44 35.2–.72 30.31N–.06 140.8E–.30 81–12 3.6b **¶11909340**
IDC IX 03 01 44 36.0–5.0 30.23N 141.17E 78–73 3.4,3.4
JMA IX 03 01 44 36.2–.10 30.35N 140.99E 47 3.8,3.4
ISCJB Error ellipse: s-maj=37.9km s-min=5.4km az=168.5.
IDC Error ellipse: s-maj=238.7km s-min=27.3km az=81.0.
JMA Error ellipse: s-maj=2.2km s-min=7.7km az=-1.0.
JMA IX 04 06 46 24.5–.20 32.33N 140.49E 21 3.7
¶14096573

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 04 19 54 25.0–.54 31.46N–.04 141.9E–.10 35 4.0b 43 2-93
NIED IX 04 19 54 00 31.50N 141.90E 11 4.2W **¶11747614**
IDC IX 04 19 54 20.4–.82 31.39N 141.76E 0 4.0,3.9
NEIC IX 04 19 54 21.9–5.7 31.36N 141.75E 11–34 4.5b,4.1W
ISCJB IX 04 19 54 22.9–.52 31.45N–.04 141.8E–.10 33 4.0b,4.1W
JMA IX 04 19 54 22.3–.20 31.50N 141.92E 41 3.7,4.1W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s142.00000°,δ77.00000°,λ-87.00000°. NP2:ϕ_s311.00000°,δ14.00000°,λ-100.00000°. $M_0$2.07000×10^{15}
IDC Error ellipse: s-maj=26.4km s-min=15.4km az=73.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=12.6km az=84.0. Moment Tensor Solution. $M_0$2.10000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=4.1km az=164.8.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISC IX 05 15 12 03.7–.13 32.67N–.02 137.05E–.01 411–1 5.2b 1598 1-162
SZGRF IX 05 15 11 54.9 31.92N 138.93E 400 5.8b **¶13393502**
NIED IX 05 15 12 00 32.70N 137.30E 420 5.3W
BJI IX 05 15 12 01.6 32.65N 136.98E 398 5.6b,5.1b
MOS IX 05 15 12 02.1–.90 32.67N 137.11E 409 5.3b,4.3s
JMA IX 05 15 12 02.6–.30 32.68N 137.30E 419–3 5.6,4.3s
ISCJB IX 05 15 12 02.8–.13 32.63N–.02 137.02E–.01 413–1 5.2b,4.3s
TEH IX 05 15 12 02.0 32.63N 137.07E 399 5.2b,4.3s
IDC IX 05 15 12 03.0–.41 32.67N 137.16E 409–3 5.0,5.0
NEIC IX 05 15 12 03.2–.10 32.63N 137.05E 410 5.3W,5.3W
GCMT IX 05 15 12 05.3–.30 32.68N 137.09E 412–1 5.3W,5.3W
BGS IX 05 15 12 08.4–1.7 33.12N 134.23E 400–999 5.0b,5.3W
DJA IX 05 15 12 24 31.95N 136.75E 650 5.4W,5.3W
ISC Event type fe.
SZGRF Southeast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s327.00000°,δ66.00000°,λ-49.00000°. NP2:ϕ_s82.00000°,δ47.00000°,λ-146.00000°. $M_0$9.56000×10^{16}
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=108.1.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s94.00000°,δ46.00000°,λ-150.00000°. NP2: ϕ_s342.00000°,δ69.00000°,λ-48.00000°. Principal axes: T Plg14.0000°,Azm43.0000° ; N Plg39.0000°,Azm144.0000°; P Plg48.0000°,Azm297.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=150.7.
IDC Error ellipse: s-maj=7.6km s-min=5.8km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.4km az=152.0. Felt at Tokyo, Honshu. Recorded [2 JMA] in Fukushima, Gumma, Ibaraki, Miyagi, Saitama and Tochigi; [1 JMA] in Chiba, Iwate, Kanagawa, Nagano and Tokyo. Moment Tensor Solution. s17 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s74.00000°,δ48.00000°,λ-152.00000°. NP2:ϕ_s324.00000°,δ70.00000°,λ-46.00000°. Principal axes: T 0.9700,Plg13.0000°,Azm23.0000°; N 0.1700,Plg40.0000°,Azm125.0000° ; P -1.1300,Plg46.0000°,Azm279.0000° $M_0$1.10000×10^{17} Moment Tensor Solution. $M_0$9.60000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s70,c112; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s78.00000°,δ48.00000°,λ-146.00000°. NP2:ϕ_s324.00000° ,δ66.00000°,λ-48.00000°. Principal axes: T 1.1500,Plg11.0000°,Azm25.0000° ; N 0.0700,Plg38.0000°,Azm124.0000°; P -1.2200,Plg50.0000°,Azm282.0000° $M_0$1.20000×10^{17}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
JMA IX 06 14 53 13.6–.10 30.07N 141.78E 72 3.8
¶14097407

JMA Error ellipse: s-maj=2.2km s-min=6.7km az=-1.0.
ISC IX 07 08 38 21.9–.46 29.01N–.05 139.4E–.10 479–6 3.2b 39 3-75
JMA IX 07 08 38 19.9–.10 28.95N 139.50E 510 3.8 **¶11909714**
ISCJB IX 07 08 38 20.8–.46 28.98N–.05 139.3E–.10 485–6 3.2b
IDC IX 07 08 38 21.4–.71 28.93N 139.17E 470–9 3.1,2.9b
NEIC IX 07 08 38 21.6–.91 28.94N 139.09E 473–11 4.1b,2.9b
ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=6.3km az=168.0.
IDC Error ellipse: s-maj=24.2km s-min=9.2km az=83.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=10.0km az=92.0.
ISC IX 07 12 44 12.5–.34 30.98N–.04 137.88E–.04 437–3 4.0b 172 3-96
NIED IX 07 12 44 00 31.20N 138.20E 500 4.2W **¶11277452**
MOS IX 07 12 44 11.1–.87 31.01N 137.75E 437 4.0b
ISCJB IX 07 12 44 11.4–.30 30.95N–.04 137.88E–.04 441–2 4.0b
BJI IX 07 12 44 11.5 30.93N 137.80E 444 4.4b,4.2b
IDC IX 07 12 44 12.0–.69 31.02N 137.87E 432–7 3.5,3.5
NEIC IX 07 12 44 12.5–.52 30.98N 137.81E 434–5 4.1b,3.5
JMA IX 07 12 44 13.0–.40 31.23N 138.23E 461–4 4.1,3.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ86.00000°,λ-106.00000°. NP2:ϕ_s234.00000°,δ17.00000°,λ-14.00000°. $M_0$2.27000×10^{15}
MOS Error ellipse: s-maj=12.9km s-min=7.5km az=104.9.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=5.0km az=147.2.
IDC Error ellipse: s-maj=11.3km s-min=8.9km az=84.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.6km az=137.0.
JMA Error ellipse: s-maj=4.4km s-min=2.9km az=-1.0.
ISC IX 08 06 21 42.9–.43 29.35N–.04 139.6E–.10 437–8 3.6b 40 3-151
BJI IX 08 06 21 40.6 29.17N 139.20E 416 4.3b,4.3b **¶13393766**
ISCJB IX 08 06 21 42.0–.43 29.29N–.04 139.4E–.10 439–8 3.6b,4.3b
IDC IX 08 06 21 42.9–.74 29.31N 139.56E 436–10 3.2b,3.2
JMA IX 08 06 21 42.8–.30 29.32N 139.59E 440–5 3.7,3.2
NEIC IX 08 06 21 42.8 29.32N 139.59E 440 4.1b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=6.2km az=169.2.
IDC Error ellipse: s-maj=29.0km s-min=11.8km az=68.0.
JMA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.
NEIC Event type se. After JMA.
JMA IX 09 19 58 28.7–.10 30.29N 141.47E 47 3.8
¶14098638

JMA Error ellipse: s-maj=2.2km s-min=7.7km az=-1.0.
JMA IX 11 06 06 02.9–.40 31.33N 140.32E 52 3.9
¶14099237

JMA Error ellipse: s-maj=3.3km s-min=6.6km az=-1.0.
ISC IX 11 12 59 52.4–.76 30.4N–.10 139.5E–.40 443–19 3.0b 16 4-54
IDC IX 11 12 59 50.7–4.2 29.89N 138.16E 381–110 3.2,3.1 **¶11910044**
ISCJB IX 11 12 59 51.1–.79 30.3N–.10 139.3E–.40 448–19 3.1b,3.1
JMA IX 11 12 59 51.9–.20 30.26N 139.16E 431 3.1,3.1
IDC Error ellipse: s-maj=228.8km s-min=21.9km az=68.0.
ISCJB Error ellipse: s-maj=58.6km s-min=8.6km az=165.6.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
ISC IX 13 09 59 20.8–1.2 30.58N–.03 142.04E–.05 10–7 4.5b,4.2s 158 3-152
NIED IX 13 09 59 00 30.60N 142.20E 5 4.4W,4.2s **¶13394260**
BJI IX 13 09 59 18.7 30.52N 142.02E 10 4.8b,4.6b
IDC IX 13 09 59 18.8–.52 30.50N 142.01E 0 4.4,4.4
ISCJB IX 13 09 59 19.2–1.0 30.62N–.03 142.03E–.04 9–6 4.5b,4.2s
NEIC IX 13 09 59 20.5–.24 30.47N 142.02E 10 4.7b,4.4W
JMA IX 13 09 59 20.0–.20 30.56N 142.19E 45 4.5,4.4W
MOS IX 13 09 59 22.1–1.0 30.55N 142.02E 33 4.8b,4.4W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s170.00000°,δ59.00000°,λ88.00000°. NP2:ϕ_s353.00000°,δ31.00000°,λ93.00000°. $M_0$5.06000×10^{15}
IDC Error ellipse: s-maj=18.2km s-min=13.5km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.3km az=160.8.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=5.9km az=50.0. Moment Tensor Solution. $M_0$5.10000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=3.8km az=-1.0.
MOS Error ellipse: s-maj=14.6km s-min=6.8km az=115.8.
ISC IX 13 11 05 49.7–2.0 30.0N–.20 138.2E–.30 555–16 3.2b 17 5-74
IDC IX 13 11 05 43.5–2.4 29.24N 138.07E 517–31 3.0,2.8b **¶11910178**
JMA IX 13 11 05 46.1–.60 29.51N 138.42E 529 3.4,2.8b
ISCJB IX 13 11 05 47.1–2.1 29.8N–.20 138.2E–.30 552–17 3.2b,2.8b
ISC IX 15 06 22 57.5–.85 30.67N–.06 142.3E–.20 35 3.9b 26 3-55
NIED IX 15 06 22 00 30.50N 142.10E 5 3.9W **¶11747737**
IDC IX 15 06 22 52.7–1.1 30.50N 142.16E 0 3.9,3.8
JMA IX 15 06 22 54.3–.30 30.52N 142.11E 46 4.1,3.8
ISCJB IX 15 06 22 55.4–.85 30.68N–.06 142.3E–.20 33 3.9b,3.8
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ77.00000°,λ109.00000°. NP2:ϕ_s160.00000°,δ23.00000°,λ34.00000°. $M_0$7.66000×10^{14}
JMA IX 15 06 31 02.9–.20 32.00N 140.09E 167 3.6
¶14100809

JMA Error ellipse: s-maj=2.2km s-min=6.6km az=-1.0.
ISC IX 15 14 33 38.2–.86 31.29N–.08 139.8E–.10 217–10 3.1b 39 2-73
ISCJB IX 15 14 33 37.2–.84 31.28N–.08 139.8E–.10 225–9 3.1b **¶11910336**
IDC IX 15 14 33 37.3–1.2 31.14N 139.29E 196–12 3.1,3.0b
NEIC IX 15 14 33 37.8–1.7 31.14N 139.40E 204–18 3.7,3.0b
JMA IX 15 14 33 39.2–.40 31.33N 139.58E 212–4 3.7,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=12.7km az=177.5.
IDC Error ellipse: s-maj=33.9km s-min=16.5km az=88.0.
NEIC Event type se. Error ellipse: s-maj=34.1km s-min=16.6km az=93.0.
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
ISC IX 16 18 32 55.0–.55 30.52N–.05 139.44E–.08 279–4 3.8b 80 3-151
NIED IX 16 18 32 00 30.50N 139.70E 260 4.2W **¶11747757**
BJI IX 16 18 32 52.4 30.43N 138.92E 241 4.7b,4.5b
ISCJB IX 16 18 32 54.0–.53 30.51N–.04 139.47E–.07 286–4 3.8b,4.5b
IDC IX 16 18 32 54.2–.81 30.44N 139.19E 265–7 3.6,3.5b
JMA IX 16 18 32 54.9–.20 30.52N 139.65E 283 4.3,3.5b
NEIC IX 16 18 32 54.4–1.1 30.47N 139.18E 267–9 4.3b,3.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ71.00000°,λ21.00000°. NP2:ϕ_s301.00000°,δ70.00000°,λ160.00000°. $M_0$2.45000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.8km az=14.4.
IDC Error ellipse: s-maj=15.4km s-min=8.8km az=80.0.
JMA Error ellipse: s-maj=3.3km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.0km az=110.0.
JMA IX 17 03 23 04.1–.20 30.91N 141.20E 54 3.7
¶14101470

JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
JMA IX 18 14 01 37.3–.20 29.84N 142.23E 40 3.7
¶14101975

JMA Error ellipse: s-maj=1.1km s-min=5.8km az=-1.0.
ISC IX 18 15 28 19.2–.59 32.00N–.07 139.1E–.10 275–9 2.7b 38 1-56
ISCJB IX 18 15 28 18.0–.52 31.94N–.05 139.08E–.10 277–8 2.7b **¶11910559**
JMA IX 18 15 28 18.5–.50 31.89N 139.02E 266 2.9
IDC IX 18 15 28 19.5–1.0 31.89N 138.47E 265–13 2.9,2.8
ISCJB Error ellipse: s-maj=14.0km s-min=7.4km az=157.4.
JMA Error ellipse: s-maj=5.6km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=33.5km s-min=15.3km az=78.0.
ISC IX 18 17 30 18.8–.83 33.48N–.04 140.69E–.07 52–11 3.1b 29 1-57
IDC IX 18 17 30 16.2–1.5 32.93N 138.96E 0 3.2,3.1 **¶11910568**
ISCJB IX 18 17 30 18.0–.78 33.49N–.04 140.68E–.07 62–8 3.1b,3.1
JMA IX 18 17 30 18.5–.10 33.53N 140.69E 53–4 2.9,3.1
IDC Error ellipse: s-maj=27.9km s-min=17.6km az=143.0.
ISCJB Error ellipse: s-maj=9.7km s-min=5.8km az=10.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 25 06 24 25.0–.78 31.23N–.10 139.0E–.20 412–11 3.1b 21 2-55
ISCJB IX 25 06 24 23.6–.79 31.1N–.10 138.9E–.20 415–12 3.1b **¶11910997**
IDC IX 25 06 24 23.0–5.0 30.73N 137.86E 345–123 3.1,2.9b
JMA IX 25 06 24 24.9–.40 31.24N 138.76E 405 3.6,2.9b
ISCJB Error ellipse: s-maj=33.9km s-min=16.8km az=173.0.
IDC Error ellipse: s-maj=226.5km s-min=20.7km az=63.0.
JMA Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0.
ISC IX 27 20 55 06.8–.75 32.46N–.10 138.3E–.10 382–8 3.2b 34 1-72
JMA IX 27 20 55 04.7–.50 32.16N 138.16E 373 3.4 **¶11911231**
ISCJB IX 27 20 55 05.5–.76 32.41N–.09 138.3E–.10 390–8 3.2b
IDC IX 27 20 55 06.4–1.2 32.36N 138.11E 375–28 3.0,2.9b
NEIC IX 27 20 55 06.5–1.3 32.29N 137.94E 374–22 3.4b,2.9b
ISC Event type se.
JMA Error ellipse: s-maj=7.8km s-min=3.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=14.6km az=162.9.
IDC Error ellipse: s-maj=74.9km s-min=15.1km az=69.0.
NEIC Event type se. Error ellipse: s-maj=57.9km s-min=17.7km az=66.0.
ISC IX 29 22 39 18.4–2.4 32.2N–.20 138.9E–.20 296–9 3.4b 14 3-80
IDC IX 29 22 38 34.0–6.1 30.78N 140.17E 0 3.9b,3.9 **¶11911407**
JMA IX 29 22 39 15.8–.70 31.72N 138.99E 267 3.1,3.9
IDC Error ellipse: s-maj=180.6km s-min=96.3km az=14.0.
JMA Error ellipse: s-maj=6.7km s-min=4.7km az=-1.0.
ISC IX 30 14 48 17.8–1.0 32.98N–.05 140.52E–.08 45–13 3.3b 28 1-57
ISCJB IX 30 14 48 16.9–.89 32.98N–.04 140.50E–.08 57–9 3.3b **¶11911460**
JMA IX 30 14 48 18.2–.20 33.00N 140.43E 52–4 3.6
IDC IX 30 14 48 19.1–2.0 32.72N 139.77E 42–53 3.4,3.1L
ISCJB Error ellipse: s-maj=10.9km s-min=7.2km az=11.6.
JMA Error ellipse: s-maj=1.1km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=138.0km s-min=17.8km az=68.0.
JMA IX 30 16 54 15.9–.40 31.98N 142.28E 35 3.7
¶14106283

JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
ISC X 01 09 38 11.7–.07 30.16N–.01 138.80E–.01 404 5.2b 1691 3-165
SZGRF X 01 09 37 25.2 30.35N 138.94E 33 5.7b **¶13395598**
NIED X 01 09 38 00 30.10N 139.30E 400 5.7W
JMA X 01 09 38 09.5–.20 30.13N 139.30E 415–3 5.6
DJA X 01 09 38 10 30.08N 138.67E 392 5.5W
MOS X 01 09 38 10.5–.88 30.17N 138.81E 406 5.4b,4.7s
ISCJB X 01 09 38 10.4–.07 30.16N–.01 138.76E–.01 402 5.2b,4.7s
BJI X 01 09 38 10.0 30.10N 138.74E 399 5.6b,5.3b
IDC X 01 09 38 11.2–.41 30.13N 138.83E 403–4 5.0,5.0

NEIC X 01 09 38 12.3–.37 30.17N 138.78E 414–4 5.7W,5.7W
GCMT X 01 09 38 13.8–.10 30.21N 138.88E 394–0 5.7W,5.7W
BGS X 01 09 38 17.6–1.8 31.04N 137.69E 414–0 5.0b,5.7W
ISC Event type fe.
SZGRF Southeast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s319.00000°,δ65.00000°,λ-59.00000°. NP2:ϕ_s84.00000°,δ40.00000°,λ-138.00000°. $M_0$3.79000×10^{17}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=109.9.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.5km az=148.1.
IDC Error ellipse: s-maj=7.1km s-min=5.2km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.4km az=154.0. Recorded [1 JMA] in Chiba, Fukushima, Tochigi and Tokyo, Honshu. Also recorded [1 JMA] in the Chichijima-retto. Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.23 $M_{\theta\theta}$2.21 $M_{\phi\phi}$0.02 $M_{r\theta}$0.32 $M_{\theta r}$-1.23 $M_{\phi r}$-3.55 Best double couple: NP1:ϕ_s93.00000°,δ30.00000°,λ-148.00000°. NP2:ϕ_s335.00000°,δ74.00000°,λ-63.00000°. Principal axes: T 3.6300,Plg24.0000°,Azm44.0000°; N 1.2300,Plg25.0000°,Azm147.0000°; P -4.8600,Plg52.0000°,Azm276.0000° $M_0$4.40000×10^{17} Moment Tensor Solution. $M_0$3.80000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s102,c212; s66,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.90±.05 $M_{\theta\theta}$3.00±.08; $M_{\phi\phi}$-0.10±.09; $M_{r\theta}$0.94±.07; $M_{\theta\phi}$-2.18±.08; $M_{\phi r}$-3.54±.07; Best double couple: NP1:ϕ_s89.00000°,δ35.00000°,λ-144.00000°. NP2:ϕ_s328.00000°,δ70.00000°,λ-60.00000°. Principal axes: T 5.0200,Plg20.0000°,Azm36.0000°; N 0.3100,Plg28.0000°,Azm137.0000°; P -5.3300,Plg55.0000°,Azm276.0000° $M_0$5.20000×10^{17}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC X 02 11 41 50.3–.74 29.79N–.05 141.2E–.10 59–8 3.7b 37 3-95
JMA X 02 11 41 47.4–.10 29.89N 141.51E 36 3.9 **¶11911707**
ISCJB X 02 11 41 48.2–.84 29.80N–.05 141.1E–.10 55–9 3.7b
IDC X 02 11 41 50.8–4.4 29.75N 141.12E 60–39 3.6L,3.6
NEIC X 02 11 41 51.1–1.8 29.78N 141.22E 72–17 3.9,3.6
ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=7.0km az=165.2.
IDC Error ellipse: s-maj=30.3km s-min=17.8km az=85.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=15.6km az=85.0.
ISC X 03 05 36 21.6–1.4 32.50N–.07 140.8E–.10 60–13 3.5b 21 1-54
ISCJB X 03 05 36 20.7–1.2 32.52N–.07 140.8E–.10 71–11 3.5b **¶12065760**
JMA X 03 05 36 21.1–.20 32.55N 140.90E 52 3.4
IDC X 03 05 36 21.6–3.0 32.35N 140.73E 64–26 3.4,3.2L
ISCJB Error ellipse: s-maj=17.4km s-min=10.9km az=174.1.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=45.0km s-min=28.1km az=94.0.
ISC X 03 23 59 46.1–2.0 29.89N–.06 142.7E–.30 34–17 3.9b 37 3-84
NIED X 03 23 59 00 29.90N 142.60E 14 3.6W **¶11748039**
NEIC X 03 23 59 36.0–.91 30.43N 144.58E 10 4.2b
ISCJB X 03 23 59 43.9–.95 29.92N–.05 142.7E–.30 33 3.9b
JMA X 03 23 59 43.6–.30 29.85N 142.59E 46 4.0
IDC X 03 23 59 44.0–2.5 29.62N 141.80E 0 3.8,3.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s65.00000°,δ65.00000°,λ-46.00000°. NP2:ϕ_s179.00000°,δ50.00000°,λ-146.00000°. $M_0$3.09000×10^{14}
NEIC Event type se. Error ellipse: s-maj=33.8km s-min=14.1km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=32.8km s-min=5.2km az=169.6.
JMA Error ellipse: s-maj=1.1km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=110.9km s-min=17.0km az=73.0.
ISC X 04 17 34 09.1–1.5 29.53N–.03 142.08E–.07 34–10 4.4b,3.8s 141 2-151
NIED X 04 17 34 00 29.60N 142.20E 5 4.4W,3.8s **¶11748073**
IDC X 04 17 34 03.8–.53 29.41N 142.11E 0 4.3,4.3
JMA X 04 17 34 05.2–.20 29.63N 142.21E 13 4.4,4.3
MOS X 04 17 34 05.3–.93 29.43N 142.09E 25 4.8b,4.3
ISCJB X 04 17 34 06.8–1.4 29.56N–.03 142.05E–.07 30–10 4.4b,3.8s
NEIC X 04 17 34 09.1–1.5 29.40N 142.13E 37–12 4.5b,4.3W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ85.00000°,λ116.00000°. NP2:ϕ_s161.00000°,δ27.00000°,λ11.00000°. $M_0$4.06000×10^{15}
IDC Error ellipse: s-maj=17.1km s-min=12.7km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=5.8km az=-1.0.
MOS Error ellipse: s-maj=15.4km s-min=7.4km az=118.2.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.7km az=169.2.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.2km az=122.0. Moment Tensor Solution. $M_0$4.10000×10^{15}
ISC X 04 18 51 34.0–.91 29.86N–.05 142.4E–.20 35 3.7b 27 3-50
ISCJB X 04 18 51 31.8–.89 29.89N–.04 142.4E–.20 33 3.7b **¶12065925**
IDC X 04 18 51 31.3–4.0 29.62N 141.80E 0 3.6b,3.6
JMA X 04 18 51 34.7–.40 30.10N 142.57E 70 3.5,3.6
ISCJB Error ellipse: s-maj=24.9km s-min=4.7km az=169.8.
IDC Error ellipse: s-maj=160.0km s-min=18.6km az=73.0.
JMA Error ellipse: s-maj=4.4km s-min=4.8km az=-1.0.
ISC X 05 08 38 34.1–.66 33.28N–.05 139.67E–.08 171–6 3.5b 28 0-57
IDC X 05 08 38 28.6–4.5 32.43N 137.90E 54–58 3.6,3.5 **¶12065981**
ISCJB X 05 08 38 32.9–.65 33.27N–.05 139.70E–.09 177–6 3.5b,3.5
JMA X 05 08 38 34.1–.20 33.28N 139.71E 169–2 3.1,3.5
IDC Error ellipse: s-maj=67.5km s-min=16.2km az=68.0.
ISCJB Error ellipse: s-maj=12.0km s-min=8.3km az=169.2.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
JMA X 06 07 03 21.5–.20 31.09N 141.24E 46 3.6
¶14108345
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
ISC X 09 10 44 16.9–.35 31.51N–.04 138.19E–.05 377–2 4.2b 206 2-150
NIED X 09 10 44 00 31.60N 138.50E 420 4.3W **¶11342431**
JMA X 09 10 44 14.7–.20 31.57N 138.48E 406 4.0
ISCJB X 09 10 44 15.7–.34 31.47N–.04 138.22E–.05 383–2 4.2b
MOS X 09 10 44 15.4–.84 31.50N 138.12E 381 4.3b
NEIC X 09 10 44 16.9–.55 31.49N 138.11E 378–5 4.3b
IDC X 09 10 44 16.5–.60 31.50N 138.14E 373–5 3.8,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s339.00000°,δ68.00000°,λ-82.00000°. NP2:ϕ_s137.00000°,δ23.00000°,λ-110.00000°. $M_0$3.03000×10^{15}
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.4km az=35.2.
MOS Error ellipse: s-maj=10.8km s-min=7.0km az=107.2.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=128.0.
IDC Error ellipse: s-maj=10.2km s-min=7.6km az=105.0.
ISC X 10 12 44 31.0–.64 33.70N–.05 139.80E–.09 117–5 3.6b 27 1-57
ISCJB X 10 12 44 29.9–.64 33.68N–.05 139.79E–.10 123–5 3.6b **¶12066507**
IDC X 10 12 44 29.3–2.6 33.11N 138.52E 57–37 3.4,3.3
JMA X 10 12 44 31.8–.10 33.76N 139.80E 108–1 2.7,3.3
ISCJB Error ellipse: s-maj=13.8km s-min=6.6km az=161.1.
IDC Error ellipse: s-maj=35.6km s-min=10.1km az=61.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 10 21 10 39.9–1.8 29.80N–.04 142.24E–.09 20–13 4.2b 109 3-149
NIED X 10 21 10 00 30.00N 142.60E 11 4.1W **¶11748515**
IDC X 10 21 10 36.5–.62 29.70N 142.24E 0 4.2,4.1
ISCJB X 10 21 10 37.7–1.7 29.84N–.04 142.26E–.09 19–12 4.2b,4.1
NEIC X 10 21 10 38.0–3.7 29.70N 142.26E 10–22 4.5b,4.0W
MOS X 10 21 10 38.1–.80 29.72N 142.33E 26 4.6b,4.0W
JMA X 10 21 10 39.1–.20 30.02N 142.58E 29 4.4,4.0W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ61.00000°,λ80.00000°. NP2:ϕ_s2.00000°,δ31.00000°,λ107.00000°. $M_0$1.44000×10^{15}
IDC Error ellipse: s-maj=21.4km s-min=13.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=5.8km az=164.7.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.1km az=94.0. Moment Tensor Solution. $M_0$1.40000×10^{15}
MOS Error ellipse: s-maj=18.0km s-min=8.2km az=121.9.
JMA Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
ISC X 12 04 08 35.7–3.5 29.33N–.05 142.3E–.20 15–22 3.8b 29 2-149
NIED X 12 04 08 00 29.40N 142.40E 5 4.1W **¶11748619**
IDC X 12 04 08 33.2–.76 29.26N 142.48E 0 4.0,3.9
ISCJB X 12 04 08 36.2–.60 29.37N–.05 142.1E–.20 33 3.8b,3.9
NEIC X 12 04 08 38.4–.73 29.35N 142.34E 35 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s322.00000°,δ83.00000°,λ92.00000°. NP2:ϕ_s128.00000°,δ8.00000°,λ77.00000°. $M_0$1.40000×10^{15}
IDC Error ellipse: s-maj=27.3km s-min=16.0km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=5.5km az=166.4.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=14.7km az=69.0.
JMA X 12 04 25 52.6–.20 32.05N 140.74E 30 3.6
¶14110381
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
ISC X 12 20 44 50.7–3.6 32.48N–.07 142.0E–.10 30–29 3.4b 13 2-53
ISCJB X 12 20 44 48.8–1.2 32.49N–.06 142.1E–.10 33 3.4b **¶12068493**
JMA X 12 20 44 48.9–.40 32.39N 141.89E 90 3.0
IDC X 12 20 44 50.5–4.2 31.93N 140.72E 0 3.3,3.2b
ISCJB Error ellipse: s-maj=14.1km s-min=9.1km az=173.9.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=153.7km s-min=28.4km az=72.0.
ISC X 13 13 52 24.1–.35 29.25N–.04 139.44E–.07 436–5 3.7b 71 3-81
ISCJB X 13 13 52 23.0–.35 29.24N–.04 139.41E–.06 444–4 3.7b **¶12068557**
JMA X 13 13 52 22.7–.10 29.24N 139.54E 457 4.1
IDC X 13 13 52 23.3–.76 29.15N 139.05E 417–11 3.4,3.3b
NEIC X 13 13 52 25.4–1.1 29.23N 139.15E 447–13 4.2b,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.5km az=168.3.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=22.3km s-min=8.9km az=77.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=11.5km az=106.0.
ISC X 16 15 34 21.9–.79 30.50N–.05 142.6E–.20 35 4.0b 45 3-60
JMA X 16 15 34 18.8–.30 30.57N 142.92E 49 3.8 **¶12068781**
ISCJB X 16 15 34 19.4–.78 30.52N–.05 142.6E–.10 33 4.0b
IDC X 16 15 34 20.8–.95 30.17N 141.78E 0 4.0,3.9
NEIC X 16 15 34 25.7–.80 30.24N 141.48E 35 4.3b,3.9
ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=4.3km az=163.9.
IDC Error ellipse: s-maj=34.7km s-min=15.0km az=78.0.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=12.6km az=79.0.
ISC X 17 14 19 16.3–.45 30.30N–.07 137.70E–.07 496–5 3.9b 62 3-82
JMA X 17 14 19 12.9–.20 30.37N 137.79E 557 3.5 **¶12068890**
ISCJB X 17 14 19 15.5–.44 30.37N–.06 137.72E–.07 502–6 3.9b
IDC X 17 14 19 16.8–1.0 30.35N 137.46E 489–10 3.2,3.0b
NEIC X 17 14 19 17.4–.90 30.35N 137.47E 499–8 4.4b,3.0b
ISC Event type se.
JMA Error ellipse: s-maj=4.4km s-min=2.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=9.1km az=6.8.
IDC Error ellipse: s-maj=18.7km s-min=14.3km az=134.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=8.6km az=151.0.
ISC X 18 12 37 52.6–.48 32.80N–.06 138.78E–.08 247–3 3.5b 48 1-151
NIED X 18 12 37 00 32.80N 138.90E 240 3.9W **¶11749040**
JMA X 18 12 37 50.7–.30 32.81N 138.92E 264–3 3.7
ISCJB X 18 12 37 51.6–.48 32.77N–.06 138.79E–.08 252–3 3.5b
NEIC X 18 12 37 51.1–1.5 32.67N 138.90E 244–16 3.7
IDC X 18 12 37 52.1–.65 32.63N 138.63E 243–6 3.5,3.3b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s240.00000°,δ71.00000°,λ90.00000°. NP2:ϕ_s59.00000°,δ19.00000°,λ89.00000°. $M_0$6.86000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=8.5km az=155.3.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=20.1km az=76.0.
IDC Error ellipse: s-maj=20.1km s-min=10.9km az=72.0.
ISC X 20 03 16 51.8–.56 31.84N–.06 138.58E–.08 378–5 3.6b 63 2-86
ISCJB X 20 03 16 50.3–.45 31.78N–.05 138.64E–.08 383–4 3.6b **¶12069101**
NEIC X 20 03 16 51.8–.89 31.73N 138.30E 373–9 3.6
IDC X 20 03 16 51.5–1.4 31.78N 138.39E 370–15 3.4,3.3b
JMA X 20 03 16 52.2–.40 31.92N 138.71E 386–4 3.6,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=7.2km az=167.8.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=12.0km az=71.0.
IDC Error ellipse: s-maj=36.5km s-min=12.7km az=75.0.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
ISC X 20 15 51 24.8–.33 32.30N–.02 139.97E–.02 113–2 5.0b 982 1-164
NIED X 20 15 51 00 32.30N 140.30E 92 5.0W **¶13397616**
BJI X 20 15 51 16.1 32.18N 140.82E 109 4.8b,4.8b
MOS X 20 15 51 19.9–.98 32.23N 139.97E 87 5.2b,4.8b
IDC X 20 15 51 22.6–.56 32.26N 139.97E 97–3 4.8,4.8
JMA X 20 15 51 22.5–.20 32.28N 140.34E 89–3 5.1,4.8
NEIC X 20 15 51 23.9–.12 32.27N 139.99E 110 5.0b,5.0W
ISCJB X 20 15 51 23.2–.34 32.26N–.02 139.95E–.02 112–2 5.0b,5.0W
GCMT X 20 15 51 24.8–.30 32.33N 140.12E 100–2 5.0W,5.0W
TEH X 20 15 51 25.0 32.29N 139.95E 118 5.0W,5.0W
SZGRF X 20 15 51 29.1 35.10N 140.15E 33 5.0b,5.0W
DJA X 20 15 51 33 32.13N 140.09E 200 5.0b,5.0W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ84.00000°,λ-155.00000°. NP2:ϕ_s110.00000°,δ65.00000°,λ-7.00000°. $M_0$4.04000×10^{16}
MOS Error ellipse: s-maj=7.9km s-min=4.1km az=113.5.
IDC Error ellipse: s-maj=10.9km s-min=8.3km az=87.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=156.0. Recorded [1 JMA] on Aoga-shima and Hachijo-jima. Also recorded [1 JMA] in Chiba. Moment Tensor Solution. $M_0$4.00000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=163.5.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s35,c43; s69,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03±.13 $M_{\theta\theta}$3.16±.13; $M_{\phi\phi}$-3.13±.12; $M_{r\theta}$1.11±.10; $M_{\theta\phi}$2.25±.11; $M_{\phi r}$0.82±.09; Best double couple: NP1:ϕ_s118.00000°,δ73.00000°,λ7.00000°. NP2:ϕ_s26.00000°,δ83.00000°,λ163.00000°. Principal axes: T 4.2800,Plg17.0000°,Azm341.0000°; N -0.3800,Plg72.0000°,Azm185.0000°; P -3.9100,Plg7.0000°,Azm73.0000° $M_0$4.10000×10^{16}
SZGRF Near east coast of eastern Honshu, Japan.
JMA X 21 06 44 02.0–.10 30.31N 141.63E 46 4.0
¶14113599
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
ISC X 21 09 16 43.7–.42 32.68N–.05 138.90E–.04 266–2 4.2b 172 1-151
NIED X 21 09 16 00 32.70N 139.10E 300 4.5W **¶11749164**
BJI X 21 09 16 37.8 32.52N 138.91E 236 4.8b,4.7b
MOS X 21 09 16 41.7–.89 32.54N 138.78E 265 4.4b,4.7b
ISCJB X 21 09 16 42.6–.42 32.65N–.05 138.91E–.05 271–2 4.2b,4.7b
JMA X 21 09 16 42.0–.30 32.72N 139.11E 281–3 4.2,4.7b
NEIC X 21 09 16 43.1–.72 32.59N 138.81E 261–6 4.4b,4.7b
IDC X 21 09 16 43.0–.53 32.56N 138.76E 261–4 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s104.00000°,δ68.00000°,λ-138.00000°. NP2:ϕ_s356.00000°,δ52.00000°,λ-28.00000°. $M_0$5.92000×10^{15}
MOS Error ellipse: s-maj=14.9km s-min=6.9km az=117.6.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.1km az=173.3.
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.0km az=157.0.
IDC Error ellipse: s-maj=11.0km s-min=8.8km az=74.0.
ISC X 22 07 19 08.2–1.1 32.53N–.06 140.82E–.08 56–11 3.9b 46 1-149
NIED X 22 07 19 00 32.60N 140.80E 56 4.0W **¶11749206**
ISCJB X 22 07 19 07.5–1.0 32.55N–.05 140.77E–.08 69–9 3.8b
JMA X 22 07 19 08.5–.20 32.59N 140.78E 60 3.8
NEIC X 22 07 19 08.5 32.59N 140.78E 60 3.8
IDC X 22 07 19 08.2–2.2 32.43N 140.68E 63–19 3.8,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s174.00000°,δ66.00000°,λ105.00000°. NP2:ϕ_s320.00000°,δ28.00000°,λ59.00000°. $M_0$1.27000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.6km az=12.7.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=25.1km s-min=17.0km az=91.0.

ISC X 22 10 11 37.5–2.1 31.3N–.20 142.4E–.70 35 3.4b 11 4-93
IDC X 22 10 11 35.9–1.5 30.95N 141.03E 0 4.2,4.0b **¶12070794**
JMA X 22 10 11 37.1–.50 31.75N 142.36E 0 3.7,4.0b
IDC Error ellipse: s-maj=76.8km s-min=30.2km az=91.0.
JMA Error ellipse: s-maj=5.6km s-min=5.7km az=-1.0.
ISC X 24 04 53 23.5–.63 29.88N–.09 139.0E–.20 392–10 3.4b 22 3-81
ISCJB X 24 04 53 22.7–.63 29.88N–.09 139.0E–.20 400–10 3.4b **¶12070957**
IDC X 24 04 53 23.2–.99 29.92N 139.07E 390–15 3.2,3.1b
NEIC X 24 04 53 24.7–1.5 29.97N 138.98E 404–14 3.5b,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.6km s-min=11.6km az=160.1.
IDC Error ellipse: s-maj=28.6km s-min=15.2km az=68.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=16.8km az=102.0.
ISC X 24 21 13 17.8–.52 30.78N–.04 140.45E–.09 110–5 4.0b 68 2-150
NIED X 24 21 13 00 31.00N 140.50E 92 4.1W **¶11749372**
ISCJB X 24 21 13 16.5–.54 30.79N–.04 140.52E–.10 117–5 4.0b
NEIC X 24 21 13 18.7–1.5 30.78N 140.23E 116–12 4.1b
IDC X 24 21 13 18.1–.92 30.74N 140.20E 111–8 3.8,3.7b
JMA X 24 21 13 19.0–.40 30.97N 140.48E 125–3 3.7,3.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ81.00000°,λ145.00000°. NP2:ϕ_s218.00000°,δ55.00000°,λ11.00000°. $M_0$1.86000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.0km az=164.9.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.9km az=113.0.
IDC Error ellipse: s-maj=15.9km s-min=7.5km az=76.0.
JMA Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
ISC X 24 22 54 06.8–.38 31.96N–.05 138.16E–.04 362–2 4.2b 235 2-151
NIED X 24 22 54 00 31.90N 138.30E 360 4.5W **¶13397999**
JMA X 24 22 54 04.3–.30 31.87N 138.35E 380–4 3.9
ISCJB X 24 22 54 05.6–.37 31.92N–.04 138.19E–.04 366–2 4.2b
IDC X 24 22 54 05.8–.58 31.88N 138.09E 352–5 3.9,3.9
NEIC X 24 22 54 06.2–.57 31.87N 138.10E 357–5 4.6b,4.5W
BJI X 24 22 54 06.2 32.06N 137.84E 352 4.6b,4.5b
TEH X 24 22 54 07.0 31.96N 138.06E 354 4.6b,4.5b
MOS X 24 22 54 09.5–1.1 32.41N 137.86E 376 4.5b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ78.00000°,λ-44.00000°. NP2:ϕ_s92.00000°,δ47.00000°,λ-164.00000°. $M_0$7.29000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.0km az=168.7.
IDC Error ellipse: s-maj=9.6km s-min=9.2km az=106.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.6km az=147.0. Moment Tensor Solution. $M_0$7.30000×10^{15}
MOS Error ellipse: s-maj=13.0km s-min=6.6km az=114.3.
ISC X 26 10 15 23.4–.52 29.03N–.05 139.7E–.10 422–7 3.1b 26 3-96
ISCJB X 26 10 15 22.4–.52 28.98N–.05 139.6E–.10 429–6 3.1b **¶12071153**
IDC X 26 10 15 22.7–.81 28.87N 139.50E 421–10 3.2,3.0
JMA X 26 10 15 23.2–.20 29.00N 139.78E 432 3.4,3.0
ISCJB Error ellipse: s-maj=17.0km s-min=6.7km az=169.7.
IDC Error ellipse: s-maj=18.0km s-min=14.0km az=68.0.
JMA Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.
ISC X 28 07 11 59.5–1.9 32.82N–.05 142.65E–.07 15–13 4.1b 73 2-82
NIED X 28 07 11 00 32.90N 142.40E 5 4.2W **¶11749552**
ISCJB X 28 07 11 57.2–1.7 32.80N–.05 142.72E–.07 15–11 4.1b
JMA X 28 07 11 58.9–.40 32.94N 142.45E 0 4.4
NEIC X 28 07 11 58.2–4.0 32.69N 142.68E 9–24 4.5b,4.1W
IDC X 28 07 12 01.2–.80 32.65N 142.60E 28–4 4.0,4.0L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s347.00000°,δ52.00000°,λ-83.00000°. NP2:ϕ_s156.00000°,δ39.00000°,λ-98.00000°. $M_0$2.02000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.6km az=149.1.
JMA Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.1km az=85.0. Moment Tensor Solution. $M_0$2.00000×10^{15}
IDC Error ellipse: s-maj=21.5km s-min=13.5km az=76.0.
JMA X 28 09 42 08.8–.30 31.66N 141.77E 39 3.5
¶14115941
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
JMA X 29 04 54 31.4–.20 32.30N 140.05E 124–2 3.5
¶14116210
JMA Error ellipse: s-maj=1.1km s-min=4.7km az=-1.0.
ISC X 30 10 36 27.9–2.5 32.12N–.05 141.8E–.10 7–16 3.7b 38 2-77
NIED X 30 10 36 00 32.20N 142.00E 17 3.6W **¶11749695**
JMA X 30 10 36 25.3–.40 32.21N 142.00E 2–5 3.7
IDC X 30 10 36 26.4–1.1 32.08N 141.79E 0 3.7,3.6b
NEIC X 30 10 36 28.0–.68 32.10N 141.81E 10 4.1b,3.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ87.00000°,λ26.00000°. NP2:ϕ_s254.00000°,δ64.00000°,λ176.00000°. $M_0$2.60000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=31.7km s-min=16.1km az=66.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=10.0km az=72.0.
ISC XI 03 00 40 32.1–1.8 29.10N–.03 142.61E–.10 32–14 4.0b 58 2-94
IDC XI 03 00 40 28.0–.83 29.05N 143.03E 0 4.1L,4.1 **¶12072057**
ISCJB XI 03 00 40 30.3–.46 29.14N–.02 142.58E–.10 33 4.0b,4.1
JMA XI 03 00 40 30.4–.20 29.12N 142.75E 59 4.4,4.1
NEIC XI 03 00 40 32.4–.45 29.03N 142.76E 35 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=18.6km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=3.0km az=171.8.
JMA Error ellipse: s-maj=1.1km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.7km az=82.0.
JMA XI 03 23 04 42.3–.30 32.59N 137.63E 400 3.6
¶14118298
JMA Error ellipse: s-maj=5.6km s-min=3.7km az=-1.0.
JMA XI 05 04 03 02.3–.80 32.14N 142.01E 16 3.5
¶14118701
JMA Error ellipse: s-maj=5.6km s-min=5.6km az=-1.0.
JMA XI 05 06 21 59.5–.20 33.01N 140.32E 49–3 3.8
NIED XI 05 06 21 00 33.00N 140.30E 29 3.6W **¶11750061**
JMA Error ellipse: s-maj=1.1km s-min=3.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s132.00000°,δ72.00000°,λ-111.00000°. NP2:ϕ_s3.00000°,δ27.00000°,λ-43.00000°. $M_0$3.11000×10^{14}
ISC XI 05 09 13 15.5–1.9 30.50N–.03 142.60E–.08 18–12 4.3b,4.0s 77 3-151
NIED XI 05 09 13 00 30.50N 142.80E 8 3.9W,4.0s **¶13399302**
IDC XI 05 09 13 12.5–.58 30.44N 142.73E 0 4.2,4.2
JMA XI 05 09 13 13.4–.20 30.53N 142.84E 51 4.0,4.2
ISCJB XI 05 09 13 15.5–.40 30.48N–.03 142.53E–.08 33 4.3b,4.0s
NEIC XI 05 09 13 18.0–.33 30.48N 142.71E 35 4.5b,3.8W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s232.00000°,δ60.00000°,λ-54.00000°. NP2:ϕ_s356.00000°,δ46.00000°,λ-136.00000°. $M_0$6.89000×10^{14}
IDC Error ellipse: s-maj=18.2km s-min=14.8km az=67.0.
JMA Error ellipse: s-maj=1.1km s-min=3.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=3.3km az=164.5.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.1km az=68.0. Moment Tensor Solution. $M_0$6.90000×10^{14}
ISC XI 05 09 26 02.5–2.1 30.46N–.04 142.6E–.10 31–16 4.1b 40 3-149
IDC XI 05 09 25 58.1–.83 30.49N 142.90E 0 3.9b,3.9 **¶12072369**
JMA XI 05 09 25 59.8–.20 30.50N 142.74E 50 4.0,3.9
ISCJB XI 05 09 26 00.5–2.0 30.48N–.04 142.6E–.10 33–16 4.1b,3.9
NEIC XI 05 09 26 03.0–.91 30.54N 142.91E 35 4.0,3.9
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=16.7km az=82.0.
JMA Error ellipse: s-maj=1.1km s-min=3.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=4.9km az=166.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=12.6km az=72.0.
IDC XI 06 03 48 20.9–.90 29.15N 139.72E 424–15 3.0,2.9b
¶12072494
IDC Error ellipse: s-maj=34.8km s-min=17.5km az=77.0.
IDC XI 06 23 28 58.3–3.7 30.59N 143.47E 0 4.1b,4.0
¶12072596
IDC Error ellipse: s-maj=129.3km s-min=21.1km az=73.0.
ISC XI 07 00 14 48.5–2.1 30.39N–.05 142.1E–.20 15–14 4.0b 46 3-84
IDC XI 07 00 14 45.2–1.9 30.53N 142.93E 0 4.1,4.0b **¶12072604**
ISCJB XI 07 00 14 47.4–1.9 30.40N–.05 142.0E–.20 21–16 4.0b,4.0b
JMA XI 07 00 14 47.2–.30 30.51N 142.66E 48 4.0,4.0b
NEIC XI 07 00 14 54.2–1.9 30.47N 141.54E 56–16 4.1b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=83.3km s-min=17.1km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=29.6km s-min=4.9km az=167.3.
JMA Error ellipse: s-maj=2.2km s-min=6.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=13.4km az=78.0.
JMA XI 07 16 52 26.3–.30 29.34N 139.95E 472–5 3.5
¶14119537
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
ISC XI 09 08 45 36.4–.83 33.50N–.04 140.72E–.07 48–11 3.6b 36 1-57
ISCJB XI 09 08 45 35.6–.74 33.51N–.04 140.70E–.07 62–8 3.6b **¶12072932**
JMA XI 09 08 45 36.1–.10 33.55N 140.74E 47 3.3
NEIC XI 09 08 45 36.1 33.55N 140.74E 47 3.3
IDC XI 09 08 45 36.7–2.8 33.46N 140.64E 52–28 3.6,3.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.6km az=15.6.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=39.8km s-min=10.7km az=87.0.
ISC XI 09 11 09 58.0–.40 30.57N–.05 138.14E–.08 475–5 4.1b 92 3-120
ISCJB XI 09 11 09 57.0–.38 30.54N–.05 138.10E–.07 477–4 4.1b **¶12072943**
JMA XI 09 11 09 56.1–.20 30.51N 138.20E 504 4.2
IDC XI 09 11 09 57.3–.64 30.55N 138.02E 459–9 3.5b,3.5
NEIC XI 09 11 09 58.5–.59 30.58N 137.99E 475–6 4.5b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.2km az=172.0.
JMA Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=17.5km s-min=8.5km az=72.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.3km az=83.0.
IDC XI 10 05 19 47.3–4.1 33.43N 140.14E 0 4.0,3.8
¶12073033
IDC Error ellipse: s-maj=285.2km s-min=31.4km az=81.0.
JMA XI 10 19 23 28.9–.50 32.58N 142.11E 0 3.7
¶14120677
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
ISC XI 15 19 53 03.7–.55 29.03N–.05 139.5E–.20 487–9 3.3b 34 3-75
ISCJB XI 15 19 53 02.5–.55 28.98N–.05 139.4E–.20 492–9 3.3b **¶12073658**
JMA XI 15 19 53 02.1–.10 28.99N 139.64E 509 3.6
IDC XI 15 19 53 03.2–.69 28.99N 139.38E 481–15 3.1,3.1
ISCJB Error ellipse: s-maj=21.0km s-min=8.0km az=172.2.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=36.7km s-min=12.4km az=69.0.
JMA XI 16 00 45 15.4–.10 30.10N 141.54E 47 4.0
¶14122481
JMA Error ellipse: s-maj=2.2km s-min=6.7km az=-1.0.
ISC XI 16 03 47 07.0–.69 31.09N–.10 139.6E–.30 415–14 3.0b 14 2-55
IDC XI 16 03 47 04.6–4.1 30.49N 137.74E 322–91 2.9b,2.9 **¶12073700**
ISCJB XI 16 03 47 05.9–.69 31.05N–.10 139.3E–.40 418–15 3.0b,2.9
JMA XI 16 03 47 09.6–.30 31.20N 139.20E 393–4 3.3,2.9
IDC Error ellipse: s-maj=161.7km s-min=13.6km az=67.0.
ISCJB Error ellipse: s-maj=50.4km s-min=9.7km az=165.7.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
IDC XI 18 18 45 16.4–1.1 29.19N 139.48E 366–22 3.2,3.1
¶12074034
IDC Error ellipse: s-maj=57.1km s-min=14.0km az=73.0.
ISC XI 18 19 18 42.3–2.2 32.53N–.09 142.7E–.20 34–21 3.3b 26 2-53
JMA XI 18 19 18 39.4–.30 32.52N 142.30E 0 3.7 **¶12074040**
IDC XI 18 19 18 40.3–6.2 32.05N 141.88E 0 4.0L,3.6
ISCJB XI 18 19 18 41.7–1.4 32.62N–.10 142.6E–.10 34–15 3.3b,3.6
ISC XI 19 15 09 59.9–.71 31.16N–.08 138.6E–.10 413–8 3.3b 51 4-77
ISCJB XI 19 15 09 58.6–.70 31.11N–.08 138.6E–.10 419–8 3.3b **¶12074152**
IDC XI 19 15 09 60.0–2.1 31.05N 138.29E 405–23 3.1b,3.1
JMA XI 19 15 09 59.3–.40 31.05N 138.51E 411 3.3,3.1
NEIC XI 19 15 09 59.6–.70 31.05N 138.28E 401–9 3.5b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=13.2km az=175.4.
IDC Error ellipse: s-maj=33.0km s-min=11.2km az=75.0.
JMA Error ellipse: s-maj=5.6km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=8.5km az=76.0.
ISC XI 21 03 38 49.8–.49 30.22N–.05 139.1E–.20 423–8 3.2b 38 3-82
ISCJB XI 21 03 38 48.9–.49 30.20N–.05 139.0E–.10 428–7 3.2b **¶12074363**
JMA XI 21 03 38 49.7–.30 30.26N 139.14E 433 3.7
NEIC XI 21 03 38 50.3–.93 30.18N 138.73E 416–11 3.4b
IDC XI 21 03 38 50.6–1.5 30.18N 138.73E 420–19 3.0,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=7.4km az=167.2.
JMA Error ellipse: s-maj=3.3km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=10.7km az=72.0.
IDC Error ellipse: s-maj=29.5km s-min=13.4km az=79.0.
ISC XI 22 16 53 22.4–2.3 31.18N–.06 142.4E–.10 32–18 3.6b 30 3-55
IDC XI 22 16 53 18.3–1.2 30.96N 142.25E 0 4.2s,4.2 **¶12074518**
JMA XI 22 16 53 19.5–.20 31.17N 142.59E 53 4.0,4.2
ISCJB XI 22 16 53 20.5–1.6 31.24N–.07 142.5E–.10 40–17 3.6b,4.2
NEIC XI 22 16 53 23.5–.79 31.05N 142.08E 35 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=20.3km az=76.0.
JMA Error ellipse: s-maj=2.2km s-min=3.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=10.6km az=158.0.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=10.7km az=76.0.
IDC XI 22 19 30 11.9–4.2 29.17N 141.27E 0 3.5,3.4b
¶12074533
IDC Error ellipse: s-maj=158.8km s-min=27.3km az=74.0.
ISC XI 23 13 02 54.6–.58 33.16N–.03 140.99E–.06 35 4.0b 35 1-57
IDC XI 23 13 02 50.4–2.1 32.98N 141.05E 0 4.0,3.9b **¶12074594**
ISCJB XI 23 13 02 52.6–.60 33.13N–.03 141.04E–.06 33 4.0b,3.9b
JMA XI 23 13 02 54.7–.20 33.27N 140.97E 53 3.4,3.9b
NEIC XI 23 13 02 55.6–1.4 33.08N 140.97E 39–13 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=52.8km s-min=21.3km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.6km az=162.6.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=10.5km az=67.0.
JMA XI 24 14 13 37.7–.10 32.05N 140.67E 23 4.0
¶14125424
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XI 26 01 00 47.2–.40 31.85N 139.58E 182–3 3.7
¶14125944
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
ISC XI 28 19 45 20.9–.90 32.40N–.02 141.22E–.02 30–6 5.0b,4.3s 632 1-153
NIED XI 28 19 45 00 32.60N 141.40E 11 4.8W,4.3s **¶13401404**
IDC XI 28 19 45 18.8–4.1 32.36N 141.28E 20–25 4.6,4.6
BJI XI 28 19 45 18.7 32.45N 141.41E 39 4.9b,4.8b
ISCJB XI 28 19 45 18.9–.86 32.37N–.02 141.19E–.02 27–5 5.0b,4.3s
JMA XI 28 19 45 19.6–.30 32.55N 141.40E 42 4.6,4.3s
MOS XI 28 19 45 19.6–1.1 32.35N 141.18E 33 5.2b,4.3s
SZGRF XI 28 19 45 19.3 33.25N 141.85E 33 5.3b,4.3s
NEIC XI 28 19 45 21.6–.55 32.39N 141.21E 38–5 4.9b,4.8W
TEH XI 28 19 45 22.0 32.50N 141.18E 35 4.9b,4.8W
GCMT XI 28 19 45 25.0–.40 32.34N 141.40E 29–1 4.9W,4.8W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ77.00000°,λ109.00000°. NP2:ϕ_s153.00000°,δ23.00000°,λ35.00000°. $M_0$1.91000×10^{16}
IDC Error ellipse: s-maj=15.9km s-min=11.5km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=9.0.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.

MOS Error ellipse: s-maj=9.5km s-min=4.9km az=112.0.
SZGRF Off east coast of Honshu, Japan.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.2km az=129.0. Moment Tensor Solution. $M_0$1.90000×10^{16}
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s25,c34; s61,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}2.38±.19 $M_{\theta\theta}$0.55±.11; $M_{\phi\phi}$-2.93±.12; $M_{r\theta}$0.53±.18; $M_{\theta\phi}$0.07±.08; $M_{\phi r}$1.74±.17; Best double couple: NP1:ϕ_s165.00000°,δ30.00000°,λ67.00000°. NP2:ϕ_s11.00000°,δ63.00000°,λ103.00000°. Principal axes: T 3.0100,Plg70.0000° ,Azm307.0000°; N 0.4400,Plg11.0000°,Azm185.0000°; P -3.4500,Plg17.0000°,Azm91.0000° $M_0$3.20000×10^{16}

ISC XI 29 02 41 13.7–.42 29.84N–.06 139.5E–.20 378–8 3.3b 41 4-80
ISCJB XI 29 02 41 12.9–.43 29.83N–.06 139.5E–.20 390–8 3.3b **¶12075213**
NEIC XI 29 02 41 13.8–.79 30.07N 139.99E 397–11 3.5b
IDC XI 29 02 41 13.0–.93 30.06N 140.06E 387–14 3.2,3.1b
JMA XI 29 02 41 14.0–.10 29.85N 139.74E 382 3.4,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.3km s-min=5.8km az=162.9.
NEIC Event type se. Error ellipse: s-maj=32.2km s-min=10.1km az=74.0.
IDC Error ellipse: s-maj=35.9km s-min=12.4km az=77.0.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
ISC XI 30 07 11 24.1–.47 29.29N–.06 139.7E–.20 442–8 3.6b 32 3-75
ISCJB XI 30 07 11 23.0–.47 29.29N–.06 139.6E–.20 449–8 3.6b **¶12075315**
NEIC XI 30 07 11 23.7–1.2 29.22N 139.46E 434–17 3.7b
IDC XI 30 07 11 23.7–2.8 29.23N 139.45E 432–31 3.4b,3.4
JMA XI 30 07 11 24.0–.10 29.29N 139.67E 446 3.7,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=6.7km az=163.6.
NEIC Event type se. Error ellipse: s-maj=40.2km s-min=14.5km az=81.0.
IDC Error ellipse: s-maj=101.8km s-min=16.7km az=83.0.
JMA Error ellipse: s-maj=3.3km s-min=4.8km az=-1.0.
ISC XII 04 12 19 45.6–.84 32.54N–.05 141.01E–.08 54–11 3.4b 42 1-56
NIED XII 04 12 19 00 32.60N 141.00E 59 3.7W **¶11751591**
IDC XII 04 12 19 42.5–2.2 32.01N 139.85E 0 3.6,3.6
ISCJB XII 04 12 19 44.5–.89 32.55N–.05 140.99E–.08 67–10 3.4b,3.6
JMA XII 04 12 19 45.4–.20 32.61N 140.99E 54 3.5,3.6
NEIC XII 04 12 19 45.4 32.61N 140.99E 54 3.5,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s173.00000°,δ75.00000°,λ72.00000°. NP2:ϕ_s45.00000°,δ23.00000°,λ140.00000°. $M_0$3.69000×10^{14}
IDC Error ellipse: s-maj=89.0km s-min=19.7km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.3km az=169.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type se. After JMA.
JMA XII 05 07 06 04.7–.50 32.55N 142.18E 0 3.8
¶15513198
JMA Error ellipse: s-maj=4.4km s-min=5.6km az=-1.0.
ISC XII 08 08 04 33.3–.15 31.81N–.03 140.02E–.02 157 4.5b 581 1-154
NIED XII 08 08 04 00 31.80N 140.30E 130 4.5W **¶13402228**
MOS XII 08 08 04 30.3–.99 31.64N 140.14E 153 4.6b
IDC XII 08 08 04 31.5–.50 31.66N 140.07E 148–4 4.2,4.1
NEIC XII 08 08 04 31.8–.16 31.64N 140.09E 151 4.7b,4.5W
ISCJB XII 08 08 04 31.6–.15 31.74N–.03 140.01E–.02 155 4.5b,4.5W
BJI XII 08 08 04 32.2 31.82N 140.27E 181 4.8b,4.7b
JMA XII 08 08 04 32.7–.30 31.83N 140.29E 147–2 4.5,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s137.00000°,δ63.00000°,λ-113.00000°. NP2:ϕ_s1.00000°,δ35.00000°,λ-51.00000°. $M_0$7.19000×10^{15}
MOS Error ellipse: s-maj=10.5km s-min=5.4km az=111.2.
IDC Error ellipse: s-maj=12.0km s-min=8.8km az=88.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=147.0. Moment Tensor Solution. $M_0$7.20000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=12.1.
JMA Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.
ISC XII 09 01 27 04.6–.45 30.25N–.03 140.8E–.10 99–5 4.0b 106 3-122
ISCJB XII 09 01 27 03.1–.47 30.27N–.03 140.8E–.10 103–5 4.0b **¶12076449**
JMA XII 09 01 27 03.8–.10 30.39N 141.50E 50 4.6
IDC XII 09 01 27 03.2–3.2 30.24N 140.53E 78–30 3.8,3.8
NEIC XII 09 01 27 05.6–.75 30.13N 140.53E 105–7 4.3b,3.8
MOS XII 09 01 27 05.6–1.0 30.19N 140.42E 118 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=4.3km az=165.5.
JMA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=16.1km az=69.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.2km az=69.0.
MOS Error ellipse: s-maj=22.0km s-min=9.1km az=115.3.
ISC XII 10 16 00 18.4–.59 30.19N–.06 138.9E–.10 439–7 3.2b 49 3-82
JMA XII 10 16 00 15.7–.20 30.15N 138.98E 482 3.5 **¶12076766**
ISCJB XII 10 16 00 17.4–.58 30.18N–.06 138.9E–.10 444–7 3.2b
IDC XII 10 16 00 17.5–.99 30.13N 138.73E 426–13 3.0,3.0
NEIC XII 10 16 00 18.1–.67 30.12N 138.74E 433–8 3.4b,3.0
ISC Event type se.
JMA Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=8.7km az=161.6.
IDC Error ellipse: s-maj=29.3km s-min=15.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=11.6km az=51.0.
ISC XII 11 05 48 16.6–.31 29.74N–.03 139.05E–.07 445–4 3.8b 98 3-154
JMA XII 11 05 48 14.5–.30 29.73N 139.24E 480–5 4.0 **¶13402460**
ISCJB XII 11 05 48 15.6–.31 29.71N–.03 138.99E–.07 452–4 3.8b
IDC XII 11 05 48 15.8–.76 29.71N 138.77E 430–9 3.5,3.4b
NEIC XII 11 05 48 16.9–.53 29.72N 138.87E 444–6 3.9b,3.4b
ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=4.9km az=164.9.
IDC Error ellipse: s-maj=14.0km s-min=7.5km az=75.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.6km az=74.0.
ISC XII 12 07 44 33.2–.97 33.04N–.05 140.71E–.07 65–11 3.8b 27 1-57
IDC XII 12 07 44 28.9–3.2 32.45N 139.85E 0 4.7s,4.7 **¶12077069**
ISCJB XII 12 07 44 32.0–.93 33.01N–.05 140.70E–.07 74–10 3.8b,4.7
JMA XII 12 07 44 32.8–.10 33.06N 140.72E 57–5 3.2,4.7
IDC Error ellipse: s-maj=191.1km s-min=32.3km az=81.0.
ISCJB Error ellipse: s-maj=10.2km s-min=8.2km az=28.5.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
ISC XII 12 18 37 51.1–.86 32.67N–.05 141.5E–.10 36–11 3.8b 42 1-67
NIED XII 12 18 37 00 32.80N 141.40E 29 3.5W **¶11751674**
ISCJB XII 12 18 37 50.5–.92 32.69N–.05 141.4E–.10 51–11 3.8b
JMA XII 12 18 37 50.3–.30 32.76N 141.41E 27 3.6
IDC XII 12 18 37 50.5–2.8 32.22N 140.18E 0 3.8L,3.8
NEIC XII 12 18 37 53.0–.50 32.31N 140.26E 20 4.2b,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s250.00000°,δ76.00000°,λ155.00000°. NP2:ϕ_s347.00000°,δ66.00000°,λ16.00000°. $M_0$2.23000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=7.0km az=164.8.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=114.3km s-min=19.8km az=68.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=7.4km az=77.0.
ISC XII 12 20 28 15.0–.75 30.12N–.07 141.7E–.30 96–10 3.8b 26 3-75
ISCJB XII 12 20 28 13.6–.68 30.09N–.07 141.5E–.30 97–10 3.8b **¶12077179**
JMA XII 12 20 28 13.9–.10 30.14N 141.56E 52 4.2
IDC XII 12 20 28 15.8–1.8 29.99N 141.43E 96–18 3.5b,3.5
ISCJB Error ellipse: s-maj=42.4km s-min=5.4km az=166.3.
JMA Error ellipse: s-maj=2.2km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=112.8km s-min=11.5km az=76.0.
JMA XII 13 22 59 46.1–.40 31.81N 142.80E 48 3.6
¶15516053
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
JMA XII 17 04 26 06.9–.20 29.12N 139.51E 498 3.8
¶15517232
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
ISC XII 18 19 16 26.4–1.2 32.43N–.06 141.4E–.20 35 3.3b 17 2-53
IDC XII 18 19 16 23.4–4.2 32.03N 140.66E 0 3.4,3.3b **¶12078079**
ISCJB XII 18 19 16 24.5–1.2 32.42N–.06 141.4E–.20 33 3.3b,3.3b
JMA XII 18 19 16 26.0–.50 32.55N 141.27E 23 3.1,3.3b
IDC Error ellipse: s-maj=156.0km s-min=27.1km az=71.0.
ISCJB Error ellipse: s-maj=22.1km s-min=8.3km az=169.9.
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
ISC XII 21 07 45 25.9–.55 30.27N–.06 138.79E–.08 427–5 3.9b 82 3-155
ISCJB XII 21 07 45 24.4–.43 30.19N–.05 138.78E–.07 430–5 3.9b **¶12078429**
JMA XII 21 07 45 24.5–.30 30.30N 139.25E 457–4 4.1
IDC XII 21 07 45 25.5–1.1 30.24N 138.76E 424–13 3.4,3.3
NEIC XII 21 07 45 25.7–.54 30.22N 138.76E 428–6 4.2b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=7.4km az=171.7.
JMA Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=14.1km s-min=11.3km az=94.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.6km az=133.0.
ISC XII 21 17 26 46.8–.62 31.05N–.05 141.0E–.10 82–8 3.5b 37 2-74
ISCJB XII 21 17 26 45.3–.67 31.04N–.05 141.0E–.10 87–8 3.5b **¶12078480**
IDC XII 21 17 26 47.2–2.0 30.96N 140.93E 86–20 3.4,3.3
NEIC XII 21 17 26 47.2–1.0 31.07N 141.07E 90–11 4.0b,3.3
JMA XII 21 17 26 48.2–.20 31.59N 141.26E 0 4.2,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=6.3km az=165.3.
IDC Error ellipse: s-maj=33.7km s-min=12.9km az=73.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=9.0km az=82.0.
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
ISC XII 24 17 45 34.8–.54 32.17N–.05 139.26E–.09 253–6 3.4b 31 1-72
ISCJB XII 24 17 45 33.9–.54 32.18N–.05 139.24E–.09 261–6 3.3b **¶12078834**
IDC XII 24 17 45 34.4–1.5 32.08N 139.01E 243–30 3.3b,3.2
JMA XII 24 17 45 36.6–.50 32.37N 139.14E 255–4 3.5,3.2
ISCJB Error ellipse: s-maj=12.7km s-min=7.7km az=157.2.
IDC Error ellipse: s-maj=83.8km s-min=12.8km az=68.0.
JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
ISC XII 25 19 27 29.7–1.4 31.60N–.08 142.7E–.20 53–13 3.8b 35 3-93
IDC XII 25 19 27 24.9–1.3 31.24N 141.86E 0 3.9,3.8b **¶12078957**
ISCJB XII 25 19 27 28.1–1.4 31.58N–.09 142.5E–.20 55–14 3.8b,3.8b
NEIC XII 25 19 27 30.6–1.6 31.23N 141.80E 36–14 3.8b,3.8b
JMA XII 25 19 27 32.0–.70 31.88N 142.70E 80 3.7,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=23.6km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=31.9km s-min=10.8km az=160.5.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=10.6km az=73.0.
JMA Error ellipse: s-maj=6.7km s-min=7.6km az=-1.0.
ISC XII 26 03 55 12.2–.53 32.77N–.07 138.25E–.10 315–4 3.4b 42 1-95
ISCJB XII 26 03 55 11.0–.54 32.75N–.07 138.3E–.10 322–5 3.2b **¶12078991**
IDC XII 26 03 55 10.8–1.4 32.64N 138.23E 302–15 3.2,3.0b
JMA XII 26 03 55 10.7–.20 32.79N 138.29E 327 3.4,3.0b
NEIC XII 26 03 55 11.6–.88 32.68N 138.17E 311–9 3.9b,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=10.6km az=152.9.
IDC Error ellipse: s-maj=23.2km s-min=16.0km az=76.0.
JMA Error ellipse: s-maj=4.4km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=11.0km az=49.0.
ISC XII 28 11 59 19.1–.34 29.11N–.03 139.86E–.07 409–4 4.0b 112 3-122
ISCJB XII 28 11 59 18.3–.33 29.08N–.03 139.81E–.07 418–4 4.0b **¶13404232**
IDC XII 28 11 59 18.9–.67 29.05N 139.69E 405–8 3.5,3.4
JMA XII 28 11 59 18.9–.20 29.17N 140.20E 429–4 3.7,3.4
BJI XII 28 11 59 19.0 28.96N 139.58E 421 4.5b,4.4b
NEIC XII 28 11 59 19.8–.51 29.06N 139.76E 418–5 4.3b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.1km az=173.1.
IDC Error ellipse: s-maj=14.8km s-min=10.3km az=75.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.4km az=73.0.
ISC XII 28 19 56 44.2–2.1 31.78N–.04 141.70E–.09 21–15 3.9b,3.3s 70 2-93
NIED XII 28 19 56 00 31.80N 142.00E 5 4.1W,3.3s **¶11751861**
IDC XII 28 19 56 40.9–.70 31.77N 141.76E 0 4.1,4.0
ISCJB XII 28 19 56 42.1–2.0 31.79N–.04 141.73E–.09 21–14 3.9b,3.3s
JMA XII 28 19 56 42.7–.30 31.83N 141.96E 55 3.8,3.3s
NEIC XII 28 19 56 43.8–3.4 31.75N 141.61E 18–21 4.3b,3.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s0.00000°,δ59.00000°,λ89.00000°. NP2: ϕ_s183.00000°,δ31.00000°,λ92.00000°. $M_0$1.57000×10^{15}
IDC Error ellipse: s-maj=22.7km s-min=16.3km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=5.7km az=158.6.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.1km az=76.0.
ISC XII 29 18 29 41.0–.70 30.20N–.09 139.3E–.30 457–16 2.7b 15 3-54
IDC XII 29 18 29 37.0–8.5 29.59N 137.21E 338–163 2.7,2.6b **¶12079430**
ISCJB XII 29 18 29 39.8–.70 30.18N–.09 139.2E–.30 461–15 2.7b,2.6b
JMA XII 29 18 29 42.0–.30 30.49N 139.13E 475 2.9,2.6b
IDC Error ellipse: s-maj=272.3km s-min=27.0km az=67.0.
ISCJB Error ellipse: s-maj=38.1km s-min=10.5km az=165.8.
JMA Error ellipse: s-maj=4.4km s-min=4.8km az=-1.0.
JMA XII 30 02 37 03.7–.40 29.77N 142.88E 37 3.7
¶15526312
JMA Error ellipse: s-maj=1.1km s-min=6.8km az=-1.0.
ISC XII 30 18 44 16.5–2.9 31.84N–.06 141.9E–.20 13–20 3.5b 17 2-56
JMA XII 30 18 44 15.1–.30 31.95N 141.81E 0 3.8 **¶12079578**
IDC XII 30 18 44 17.4–4.1 31.57N 141.32E 0 3.6,3.5b
JMA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=155.7km s-min=18.3km az=69.0.
ISC XII 31 00 40 23.5–.58 32.58N–.05 140.28E–.08 146–5 3.6b 46 1-56
IDC XII 31 00 40 21.6–1.8 32.23N 139.48E 105–34 3.5,3.4b **¶12079621**
ISCJB XII 31 00 40 22.3–.57 32.56N–.05 140.26E–.08 152–5 3.6b,3.4b
NEIC XII 31 00 40 22.6–.66 32.54N 140.35E 139–7 4.0b,3.4b
JMA XII 31 00 40 24.4–.10 32.63N 140.24E 143–1 3.6,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=86.0km s-min=10.5km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=7.7km az=176.2.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.4km az=84.0.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
ISC XII 31 15 01 20.1–.88 29.60N–.06 141.4E–.10 55–9 3.8b 34 3-84
ISCJB XII 31 15 01 18.1–1.0 29.62N–.06 141.3E–.10 53–10 3.8b **¶12079666**
IDC XII 31 15 01 19.6–1.7 29.58N 141.37E 53–18 3.7,3.6L
NEIC XII 31 15 01 20.4–.50 29.65N 141.28E 58 3.8b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=7.3km az=161.9.
IDC Error ellipse: s-maj=31.2km s-min=11.1km az=73.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.0km az=71.0.

(212) Bonin Islands region.

ISC VII 01 10 18 18.5–.50 28.99N–.05 140.0E–.10 411–6 3.3b 31 3-151
ISCJB VII 01 10 18 17.4–.51 28.97N–.06 139.9E–.10 420–6 3.3b **¶11799163**
IDC VII 01 10 18 17.5–.79 28.90N 139.62E 402–9 3.3,3.1
JMA VII 01 10 18 18.4–.30 29.03N 140.01E 419–5 3.8,3.1
NEIC VII 01 10 18 18.4 29.03N 140.01E 419 3.8,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=6.8km az=160.5.
IDC Error ellipse: s-maj=24.2km s-min=11.0km az=77.0.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
NEIC Event type se. After JMA.
IDC VII 01 18 50 16.6–2.2 27.66N 143.39E 0 3.8,3.6b
¶12697927
IDC Error ellipse: s-maj=34.9km s-min=31.2km az=170.0.
ISC VII 03 07 50 57.5–1.4 27.08N–.05 142.96E–.08 26–9 4.0b 30 1-149
IDC VII 03 07 50 53.6–.76 26.98N 142.90E 0 4.1,4.0 **¶11479831**
ISCJB VII 03 07 50 55.8–1.4 27.20N–.05 143.00E–.08 24–9 4.0b,4.0
JMA VII 03 07 50 57.3–.10 27.14N 142.66E 83 3.6,4.0
BJI VII 03 07 50 58.4 27.00N 142.80E 40 4.6b,4.4b
NEIC VII 03 07 50 59.5–.55 27.02N 142.83E 40 3.6,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=14.8km az=20.0.

ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=7.8km az=21.9.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=10.7km az=73.0.
ISC VII 03 14 50 07.8–.61 27.28N–.09 140.6E–.50 472–15 3.4b 23 1-83
IDC VII 03 14 50 07.3–.55 27.31N 140.67E 468–15 3.3,3.2 **¶12697979**
JMA VII 03 14 50 07.8–.30 27.36N 140.28E 458 3.7,3.2
IDC Error ellipse: s-maj=59.8km s-min=13.3km az=81.0.
JMA Error ellipse: s-maj=3.3km s-min=7.9km az=-1.0.
IDC VII 04 18 52 25.7–3.3 28.80N 141.73E 0 3.6,3.5b
¶12698010
IDC Error ellipse: s-maj=140.0km s-min=18.2km az=70.0.
ISC VII 06 17 05 21.3–.10 27.88N–.02 142.22E–.02 56 5.0b,4.1s 720 1-150
NIED VII 06 17 05 00 27.80N 142.30E 32 4.9W,4.1s **¶13388357**
MOS VII 06 17 05 16.5–1.1 27.82N 142.24E 30 5.3b,4.1s
BJI VII 06 17 05 18.1 27.75N 142.31E 56 4.8b,4.7b
SZGRF VII 06 17 05 18.8 27.95N 142.56E 55 4.8b,4.7b
ISCJB VII 06 17 05 19.7–.10 27.90N–.02 142.20E–.02 54 5.0b,4.1s
IDC VII 06 17 05 20.7–.49 27.75N 142.22E 56–4 4.8,4.7
NEIC VII 06 17 05 20.4–.88 27.76N 142.25E 52–7 5.0b,4.9W
JMA VII 06 17 05 21.0–.10 27.75N 141.73E 50 5.7,4.9W
GCMT VII 06 17 05 23.6–.20 27.81N 142.40E 51–2 5.1W,4.9W
DJA VII 06 17 05 28 27.86N 142.03E 109 5.5W,4.9W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s168.00000°,δ85.00000°,λ7.00000°. NP2:ϕ_s78.00000°,δ83.00000°,λ175.00000°. $M_0$2.82000×10^{16}
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=104.4.
SZGRF Bonin Islands, Japan, region.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.3km az=168.5.
IDC Error ellipse: s-maj=14.0km s-min=6.3km az=87.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.2km az=142.0. Recorded [2 JMA] in the Chichijima-retto and [1 JMA] in the Hahajima-retto. Moment Tensor Solution. $M_0$2.80000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s44,c67; s86,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}0.48±.19 $M_{\theta\theta}$2.32±.15; $M_{\phi\phi}$-2.80±.15; $M_{r\theta}$-1.21±.13; $M_{\theta\phi}$-3.20±.10; $M_{\phi r}$3.13±.14; Best double couple: NP1:ϕ_s249.00000°,δ51.00000°,λ175.00000°. NP2:ϕ_s342.00000°,δ86.00000°,λ40.00000°. Principal axes: T 5.2700,Plg30.0000° ,Azm214.0000°; N 0.0900,Plg50.0000°,Azm347.0000°; P -5.3600,Plg24.0000° ,Azm109.0000° $M_0$5.30000×10^{16}
ISC VII 07 02 26 44.2–.54 28.82N–.07 139.9E–.20 467–10 3.7b 32 3-81
JMA VII 07 02 26 42.9–.10 28.83N 140.11E 489 3.6 **¶12698052**
ISCJB VII 07 02 26 43.2–.56 28.79N–.07 139.7E–.20 464–10 3.7b
IDC VII 07 02 26 43.3–.89 28.66N 139.52E 453–18 3.4,3.3b
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
ISCJB Error ellipse: s-maj=33.6km s-min=7.9km az=167.7.
IDC Error ellipse: s-maj=52.4km s-min=29.8km az=39.0.
ISC VII 07 06 43 24.6–.90 28.73N–.03 142.8E–.20 35 3.9b 16 2-149
IDC VII 07 06 43 19.0–1.0 28.69N 143.17E 0 3.9,3.7b **¶11810858**
ISCJB VII 07 06 43 22.5–.90 28.79N–.03 142.8E–.20 33 3.9b,3.7b
JMA VII 07 06 43 23.5–.20 28.76N 142.53E 31 4.3,3.7b
NEIC VII 07 06 43 23.5 28.76N 142.53E 31 4.4b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=22.2km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=23.8km s-min=4.5km az=178.0.
JMA Error ellipse: s-maj=1.1km s-min=6.8km az=-1.0.
NEIC Event type se. After JMA.
ISC VII 07 12 00 54.7–.57 28.02N–.05 140.1E–.10 467–7 3.3b 26 2-76
ISCJB VII 07 12 00 53.6–.57 27.96N–.05 140.0E–.10 473–7 3.3b **¶12698060**
IDC VII 07 12 00 54.0–.83 27.95N 139.87E 457–20 3.1b,3.1
JMA VII 07 12 00 54.4–.10 28.03N 140.20E 474 3.5,3.1
ISCJB Error ellipse: s-maj=18.0km s-min=7.9km az=172.8.
IDC Error ellipse: s-maj=59.2km s-min=14.2km az=74.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
JMA VII 09 07 59 37.5–.40 27.62N 140.64E 167 3.6
¶13505061
JMA Error ellipse: s-maj=5.6km s-min=5.9km az=-1.0.
JMA VII 09 11 15 35.9–.20 28.10N 140.55E 385 3.5
¶13505113
JMA Error ellipse: s-maj=2.2km s-min=6.9km az=-1.0.
ISC VII 11 06 06 26.4–.54 27.59N–.07 140.6E–.40 470–13 3.5b 28 2-83
IDC VII 11 06 06 25.9–.53 27.52N 140.48E 465–15 3.3b,3.3 **¶12698132**
JMA VII 11 06 06 27.2–.20 27.70N 140.51E 459 3.8,3.3
IDC Error ellipse: s-maj=51.5km s-min=12.6km az=77.0.
JMA Error ellipse: s-maj=3.3km s-min=6.9km az=-1.0.
ISC VII 11 18 24 00.3–1.1 26.60N–.09 141.7E–.20 64–14 3.8b 22 0-150
ISCJB VII 11 18 23 58.6–1.4 26.56N–.09 141.6E–.20 62–17 3.8b **¶11811282**
IDC VII 11 18 23 59.4–2.0 26.66N 141.53E 53–21 3.6,3.5b
JMA VII 11 18 23 59.6–.20 26.54N 141.51E 39 4.3,3.5b
NEIC VII 11 18 23 59.7 26.55N 141.51E 39 4.3,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.8km s-min=10.8km az=162.4.
IDC Error ellipse: s-maj=31.5km s-min=15.6km az=70.0.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
NEIC Event type se. After JMA.
ISC VII 15 15 45 18.5–.45 27.81N–.05 141.9E–.20 60–7 4.0b 39 1-82
NIED VII 15 15 45 00 27.80N 142.30E 47 4.1W **¶11747024**
ISCJB VII 15 15 45 16.9–.47 27.86N–.04 141.9E–.20 64–8 4.0b
IDC VII 15 15 45 16.6–.82 27.60N 141.27E 28–5 4.1L,3.9
NEIC VII 15 15 45 17.2–.85 27.56N 141.21E 28 4.5b,4.1W
JMA VII 15 15 45 18.9–.10 27.77N 142.27E 63 4.6,4.1W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s152.00000°,δ86.00000°,λ73.00000°. NP2:ϕ_s50.00000°,δ17.00000°,λ167.00000°. $M_0$1.51000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=29.3km s-min=4.5km az=169.3.
IDC Error ellipse: s-maj=26.4km s-min=13.0km az=70.0.
NEIC Event type se. Error ellipse: s-maj=39.0km s-min=11.4km az=82.0. Moment Tensor Solution. $M_0$1.50000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=6.9km az=-1.0.
ISC VII 20 21 30 30.2–.08 27.77N–.02 139.71E–.02 485 5.2b 1126 2-165
NIED VII 20 21 30 00 27.80N 140.00E 480 5.7W **¶11134010**
BJI VII 20 21 30 26.7 27.60N 139.91E 485 5.5b,5.4b
IDC VII 20 21 30 29.5–.35 27.80N 139.74E 483–3 4.8,4.8
JMA VII 20 21 30 29.8–.20 27.83N 140.00E 492–4 6.4,4.8
MOS VII 20 21 30 29.8–.89 27.75N 139.67E 500 5.2b,4.9s
ISCJB VII 20 21 30 29.2–.08 27.78N–.02 139.70E–.02 483 5.2b,4.9s
NEIC VII 20 21 30 29.6–.09 27.77N 139.62E 481 5.8W,5.7W
GCMT VII 20 21 30 31.8–.20 27.81N 139.60E 486–1 5.8W,5.7W
DJA VII 20 21 30 38 27.86N 140.02E 650 5.3b,5.7W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s305.00000°,δ71.00000°,λ-68.00000°. NP2:ϕ_s74.00000°,δ28.00000°,λ-138.00000°. $M_0$4.02000×10^{17}
IDC Error ellipse: s-maj=7.2km s-min=5.0km az=87.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
MOS Error ellipse: s-maj=10.0km s-min=5.9km az=98.5.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=152.7.
NEIC Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=152.0. Recorded [1 JMA] in the Chichijima-retto and Hahajima-retto. Moment Tensor Solution. s43 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.70 $M_{\theta\theta}$3.36 $M_{\phi\phi}$-1.66 $M_{r\theta}$2.19 $M_{\theta\phi}$-0.97 $M_{\phi r}$-4.50 Best double couple: NP1: ϕ_s323.00000°,δ81.00000°,λ-61.00000°. NP2:ϕ_s68.00000°,δ30.00000°,λ-162.00000°. Principal axes: T 5.3800,Plg30.0000°,Azm29.0000°; N 0.8900,Plg28.0000°,Azm137.0000° ; P -6.2600,Plg46.0000°,Azm262.0000° $M_0$5.90000×10^{17} Moment Tensor Solution. $M_0$4.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s86,c175; s56,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.20±.09 $M_{\theta\theta}$3.72±.13; $M_{\phi\phi}$-0.51±.15; $M_{r\theta}$3.84±.14; $M_{\theta\phi}$-1.04±.13; $M_{\phi r}$-4.54±.12; Best double couple: NP1:ϕ_s79.00000°,δ22.00000°,λ-142.00000°. NP2:ϕ_s313.00000°,δ76.00000°,λ-72.00000°. Principal axes: T 6.7200,Plg29.0000° ,Azm28.0000°; N 0.4800,Plg17.0000°,Azm129.0000°; P -7.2000,Plg55.0000°,Azm245.0000° $M_0$7.00000×10^{17}
ISC VII 20 21 34 44.7–.35 27.92N–.04 140.22E–.07 499–4 4.2b 79 2-152
ISCJB VII 20 21 34 43.8–.35 27.89N–.04 140.23E–.07 505–4 4.3b **¶11812209**
IDC VII 20 21 34 44.1–.77 27.89N 140.10E 490–7 3.9,3.8b
JMA VII 20 21 34 44.6–.20 27.96N 140.34E 503–4 4.5,3.8b
NEIC VII 20 21 34 44.8–.98 27.93N 140.18E 501–11 4.4b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.3km az=170.6.
IDC Error ellipse: s-maj=28.7km s-min=12.9km az=44.0.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.7km az=86.0.
IDC VII 20 21 47 16.7–17 27.27N 142.02E 0 4.0b,4.0
¶12698358
IDC Error ellipse: s-maj=488.1km s-min=126.2km az=4.0.
ISC VII 20 21 51 39.1–.48 27.95N–.05 140.6E–.20 514–8 3.3b 43 2-77
ISCJB VII 20 21 51 38.0–.48 27.92N–.04 140.6E–.20 522–8 3.3b **¶11812213**
JMA VII 20 21 51 38.6–.30 27.97N 140.67E 517–5 3.7
IDC VII 20 21 51 39.2–1.9 27.87N 140.17E 496–29 2.9b,2.9
NEIC VII 20 21 51 39.2–.99 27.95N 140.48E 514–13 3.5b,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.9km s-min=6.4km az=173.5.
JMA Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=88.7km s-min=19.6km az=78.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=10.2km az=82.0.
ISC VII 21 14 11 57.8–.88 27.7N–.10 139.8E–.20 485–10 3.2b 13 2-82
ISCJB VII 21 14 11 56.5–.90 27.7N–.10 139.7E–.20 486–10 3.2b **¶11812274**
IDC VII 21 14 11 57.8–1.1 27.74N 139.84E 486–14 3.1,3.0
NEIC VII 21 14 11 57.6–1.2 27.73N 139.80E 484–14 3.7b,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.7km s-min=15.8km az=166.8.
IDC Error ellipse: s-maj=24.1km s-min=15.0km az=80.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=13.6km az=89.0.
ISC VII 21 16 19 36.2–.87 27.47N–.09 140.2E–.20 357–9 3.3b 17 2-164
ISCJB VII 21 16 19 35.1–.88 27.45N–.08 140.1E–.20 362–9 3.3b **¶12698369**
IDC VII 21 16 19 35.5–.88 27.34N 140.18E 356–9 3.2,3.0b
JMA VII 21 16 19 38.8–.20 27.67N 140.76E 363 3.7,3.0b
ISCJB Error ellipse: s-maj=34.0km s-min=10.3km az=166.8.
IDC Error ellipse: s-maj=27.3km s-min=19.3km az=68.0.
JMA Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
ISC VII 21 21 45 32.0–.52 27.92N–.05 140.5E–.10 502–7 4.0b 28 2-72
ISCJB VII 21 21 45 31.3–.53 27.94N–.05 140.5E–.10 510–7 4.0b **¶12951531**
NEIC VII 21 21 45 31.5–.92 28.00N 140.41E 493–14 4.1b
JMA VII 21 21 45 32.0–.10 27.97N 140.40E 498 3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=8.0km az=178.8.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.1km az=113.0.
JMA Error ellipse: s-maj=3.3km s-min=4.9km az=-1.0.
JMA VII 22 17 20 04.1–.10 27.26N 140.90E 233 3.6
¶13510702
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
IDC VII 23 04 59 21.9–3.9 26.41N 141.43E 74–21 3.9,3.5b
¶12698397
IDC Error ellipse: s-maj=58.2km s-min=46.9km az=145.0.
ISC VII 27 15 53 56.9–.29 28.03N–.03 139.58E–.03 488–2 4.4b 425 2-165
NIED VII 27 15 53 00 28.20N 140.20E 520 4.7W **¶11153830**
MOS VII 27 15 53 56.2–.83 28.03N 139.51E 497 4.5b
ISCJB VII 27 15 53 56.0–.29 28.02N–.03 139.53E–.03 489–2 4.4b
JMA VII 27 15 53 56.4–.20 28.17N 140.21E 513–3 4.4
IDC VII 27 15 53 56.2–.49 28.02N 139.58E 485–5 4.0,4.0
NEIC VII 27 15 53 59.0–.18 28.10N 139.47E 512 4.4b,4.0
BJI VII 27 15 53 58.0 28.00N 139.49E 522 4.9b,4.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s328.00000°,δ72.00000°,λ-54.00000°. NP2:ϕ_s81.00000°,δ40.00000°,λ-151.00000°. $M_0$1.20000×10^{16}
MOS Error ellipse: s-maj=10.3km s-min=5.9km az=106.8.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.5km az=177.6.
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=8.2km s-min=7.7km az=109.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.5km az=161.0.
IDC VIII 02 09 42 16.5–1.4 27.93N 137.76E 0 3.8,3.6b
¶12580898
IDC Error ellipse: s-maj=74.1km s-min=32.7km az=98.0.
IDC VIII 02 23 30 27.4–1.1 26.41N 142.08E 0 3.9,3.7b
¶12580904
IDC Error ellipse: s-maj=42.4km s-min=29.3km az=74.0.
ISC VIII 03 05 02 42.8–.73 26.41N–.04 141.92E–.06 39–6 4.2b 60 0-150
NIED VIII 03 05 02 00 26.50N 141.90E 44 4.2W **¶11652779**
BJI VIII 03 05 02 34.5 26.02N 142.45E 25 4.5b,4.5b
IDC VIII 03 05 02 36.6–.55 26.44N 141.81E 0 4.3,4.2
ISCJB VIII 03 05 02 41.1–.88 26.45N–.04 141.77E–.06 39–7 4.2b,4.2
NEIC VIII 03 05 02 42.3–.33 26.44N 141.87E 35 4.3b,4.2
JMA VIII 03 05 02 42.2–.20 26.47N 141.78E 27 4.5,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ54.00000°,λ105.00000°. NP2:ϕ_s360.00000°,δ38.00000°,λ71.00000°. $M_0$2.36000×10^{15}
IDC Error ellipse: s-maj=20.0km s-min=14.7km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=6.2km az=159.8.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=9.0km az=139.0. Recorded [1 JMA] in the Chichijima-retto.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC VIII 05 09 27 24.7–.42 27.39N–.04 140.19E–.04 367–3 4.2b 460 2-164
NIED VIII 05 09 27 00 27.50N 140.90E 360 4.4W **¶13390912**
MOS VIII 05 09 27 22.0–.97 27.26N 140.06E 364 4.3b
ISCJB VIII 05 09 27 23.6–.42 27.35N–.04 140.11E–.04 370–3 4.2b
NEIC VIII 05 09 27 24.1–1.1 27.29N 140.08E 369–9 4.3b
IDC VIII 05 09 27 24.5–1.6 27.31N 140.14E 377–15 3.9,3.8b
JMA VIII 05 09 27 24.7–.20 27.49N 140.86E 390–3 4.0,3.8b
BJI VIII 05 09 27 39.0 28.20N 139.21E 447 4.5b,4.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s112.00000°,δ51.00000°,λ-121.00000°. NP2:ϕ_s336.00000°,δ48.00000°,λ-58.00000°. $M_0$4.77000×10^{15}
MOS Error ellipse: s-maj=10.3km s-min=6.6km az=93.2.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=35.9.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=4.9km az=177.0.
IDC Error ellipse: s-maj=13.6km s-min=12.1km az=44.0.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC VIII 07 11 24 58.8–2.5 27.9N–.20 141.9E–.20 66–17 3.7b 19 6-83
NIED VIII 07 11 24 00 27.90N 142.10E 44 4.2W **¶11747315**
ISCJB VIII 07 11 24 55.8–3.0 27.8N–.20 141.9E–.20 56–22 3.8b
IDC VIII 07 11 24 58.3–3.8 27.88N 141.84E 60–31 3.7,3.6L
NEIC VIII 07 11 24 59.2 27.87N 142.14E 53 4.2,3.6L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ71.00000°,λ-107.00000°. NP2:ϕ_s213.00000°,δ26.00000°,λ-50.00000°. $M_0$1.89000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=35.3km s-min=26.1km az=176.4.
IDC Error ellipse: s-maj=36.7km s-min=24.4km az=86.0.
NEIC Event type se. After JMA.
ISC VIII 08 12 00 12.5–.37 28.95N–.04 139.57E–.07 466–4 3.9b 91 3-153
NIED VIII 08 12 00 00 28.90N 139.60E 460 4.2W **¶11652849**
MOS VIII 08 12 00 10.8–.96 28.85N 139.24E 460 4.0b
JMA VIII 08 12 00 11.5–.20 28.93N 139.63E 476–3 4.1
IDC VIII 08 12 00 11.6–.64 28.92N 139.33E 450–7 3.4b,3.4
BJI VIII 08 12 00 11.4 28.74N 139.30E 473 4.6b,4.4b
ISCJB VIII 08 12 00 11.4–.37 28.91N–.04 139.54E–.07 473–4 3.9b,4.4b
NEIC VIII 08 12 00 12.1–.86 28.89N 139.33E 458–9 4.1b,4.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s224.00000°,δ81.00000°,λ-99.00000°. NP2:ϕ_s90.00000°,δ13.00000°,λ-44.00000°. $M_0$2.58000×10^{15}
MOS Error ellipse: s-maj=21.1km s-min=8.0km az=112.5.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=18.0km s-min=8.9km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.6km az=164.1.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.3km az=66.0.
ISC VIII 11 02 32 20.6–.52 28.80N–.05 139.7E–.10 426–6 3.5b 30 3-152
ISCJB VIII 11 02 32 19.5–.53 28.74N–.05 139.6E–.10 434–6 3.5b **¶11908065**

IDC VIII 11 02 32 19.7–.76 28.77N 139.60E 420–9 3.4,3.3b
JMA VIII 11 02 32 21.3–.30 28.88N 140.06E 433–5 3.6,3.3b
NEIC VIII 11 02 32 21.5–1.6 28.75N 139.53E 440–17 3.6,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=6.7km az=165.8.
IDC Error ellipse: s-maj=16.3km s-min=13.0km az=77.0.
JMA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=14.8km az=95.0.
JMA VIII 11 07 03 40.7–.20 26.33N 140.81E 0 4.3
¶13518252
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC VIII 14 16 18 27.8–1.6 26.45N 144.23E 0 3.7,3.5b
¶12581078
IDC Error ellipse: s-maj=35.6km s-min=29.8km az=67.0.
ISC VIII 18 05 14 53.6–1.2 26.10N–.03 142.62E–.05 21–8 4.6b,3.9s 147 1-150
JMA VIII 18 05 14 46.9–.50 25.79N 141.25E 18 4.5,3.9s **¶11169836**
BJI VIII 18 05 14 49.2 25.93N 142.78E 18 4.8b,4.6b
ISCJB VIII 18 05 14 49.7–1.3 26.18N–.03 142.60E–.06 6–7 4.6b,3.9s
NEIC VIII 18 05 14 51.5–.29 26.04N 142.58E 10 4.7b,3.9s
MOS VIII 18 05 14 53.6–1.1 26.14N 142.59E 33 4.8b,3.9s
IDC VIII 18 05 14 53.9–.76 26.07N 142.61E 27–5 4.3,4.3
ISC Event type se.
JMA Error ellipse: s-maj=5.6km s-min=5.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.4km az=176.6.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=7.2km az=110.0.
MOS Error ellipse: s-maj=13.3km s-min=6.2km az=108.2.
IDC Error ellipse: s-maj=18.7km s-min=12.1km az=80.0.
ISC VIII 19 04 13 17.4–.41 27.26N–.04 140.5E–.10 451–4 3.9b 94 2-151
MOS VIII 19 04 13 14.2–.72 27.17N 140.13E 433 4.1b **¶11652993**
ISCJB VIII 19 04 13 16.1–.41 27.22N–.04 140.4E–.10 454–4 3.9b
NEIC VIII 19 04 13 16.3–1.0 27.21N 140.21E 438–10 4.2b
IDC VIII 19 04 13 16.2–.49 27.21N 140.24E 436–5 3.7,3.7
JMA VIII 19 04 13 17.3–.30 27.38N 140.88E 463–4 3.8,3.7
ISC Event type se.
MOS Error ellipse: s-maj=23.4km s-min=9.6km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=6.0km az=168.4.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.9km az=81.0.
IDC Error ellipse: s-maj=14.1km s-min=9.0km az=78.0.
JMA Error ellipse: s-maj=3.3km s-min=4.9km az=-1.0.
ISC VIII 19 06 10 39.2–.94 28.75N–.02 142.39E–.02 33–6 4.8b,4.3s 496 2-149
NIED VIII 19 06 10 00 28.60N 141.90E 41 5.0W,4.3s **¶13392078**
IDC VIII 19 06 10 33.6–.49 28.73N 142.47E 0 4.8,4.7
BJI VIII 19 06 10 33.6 28.54N 142.89E 40 4.9b,4.8b
MOS VIII 19 06 10 37.7–.89 28.81N 142.40E 33 5.1b,4.3s
JMA VIII 19 06 10 37.3–.20 28.57N 141.92E 38 4.8,4.3s
ISCJB VIII 19 06 10 37.8–.13 28.79N–.02 142.35E–.02 33 4.8b,4.3s
GCMT VIII 19 06 10 39.4–.40 28.45N 142.49E 18–1 4.9W,4.3s
NEIC VIII 19 06 10 40.0–.89 28.75N 142.40E 40–8 5.0W,4.8b
TEH VIII 19 06 10 40.0 28.74N 142.41E 42 5.0W,4.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s320.00000°,δ77.00000°,λ-87.00000°. NP2:ϕ_s126.00000°,δ14.00000°,λ-103.00000°. $M_0$3.73000×10^{16}
IDC Error ellipse: s-maj=16.2km s-min=11.3km az=82.0.
MOS Error ellipse: s-maj=10.5km s-min=5.7km az=112.9.
JMA Error ellipse: s-maj=1.1km s-min=7.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.6km az=20.4.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s21,c24; s60,c79; Moment tensor: Scale 10^{16}Nm; M_{rr}1.73±.13 $M_{\theta\theta}$0.22±.10; $M_{\phi\phi}$-1.95±.10; $M_{r\theta}$1.79±.28; $M_{\theta\phi}$-0.18±.07; $M_{r\phi}$0.46±.20; Best double couple: NP1:ϕ_s161.00000°,δ41.00000°,λ41.00000°. NP2:ϕ_s39.00000°,δ65.00000°,λ124.00000°. Principal axes: T 2.9400,Plg57.0000° ,Azm354.0000°; N -0.8200,Plg30.0000°,Azm203.0000°; P -2.1100,Plg13.0000° ,Azm105.0000° $M_0$2.50000×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.2km az=142.0. Moment Tensor Solution. $M_0$3.70000×10^{16}
ISC VIII 21 08 52 28.2–.54 28.97N–.08 139.7E–.20 423–9 3.4b 22 3-81
ISCJB VIII 21 08 52 27.2–.55 28.94N–.07 139.5E–.20 426–9 3.4b **¶11908532**
JMA VIII 21 08 52 27.1–.10 29.17N 140.42E 463 3.6
IDC VIII 21 08 52 28.7–1.2 28.82N 139.44E 431–15 3.1,3.1
NEIC VIII 21 08 52 29.1–1.7 28.84N 139.40E 435–18 3.6,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.7km s-min=8.6km az=162.6.
JMA Error ellipse: s-maj=3.3km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=27.5km s-min=15.6km az=66.0.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=17.2km az=67.0.
ISC VIII 25 10 25 09.8–1.1 28.66N–.02 142.38E–.02 16–6 5.0b,4.2s 547 2-151
NIED VIII 25 10 25 00 28.70N 142.30E 5 4.7W,4.2s **¶11207980**
IDC VIII 25 10 25 06.6–.45 28.61N 142.48E 0 4.8,4.8
BJI VIII 25 10 25 06.4 28.67N 142.37E 10 4.9b,4.8b
ISCJB VIII 25 10 25 07.7–.93 28.69N–.02 142.32E–.02 12–5 5.0b,4.2s
NEIC VIII 25 10 25 08.8–.21 28.66N 142.38E 10 4.8b,4.7W
JMA VIII 25 10 25 08.9–.20 28.68N 142.29E 29 4.8,4.7W
TEH VIII 25 10 25 09.0 28.60N 142.39E 10 4.8,4.7W
MOS VIII 25 10 25 11.1–1.0 28.81N 142.36E 33 5.1b,4.1s
DJA VIII 25 10 25 18 28.61N 142.48E 85 5.2b,4.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ68.00000°,λ90.00000°. NP2:ϕ_s198.00000°,δ22.00000°,λ90.00000°. $M_0$1.31000×10^{16}
IDC Error ellipse: s-maj=14.7km s-min=11.0km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.9km az=172.8.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=5.0km az=180.0. Moment Tensor Solution. $M_0$1.30000×10^{16}
JMA Error ellipse: s-maj=1.1km s-min=7.8km az=-1.0.
MOS Error ellipse: s-maj=10.3km s-min=5.4km az=112.8.
ISC VIII 27 13 42 45.4–.26 27.99N–.03 139.35E–.03 510–2 4.5b 387 3-165
NIED VIII 27 13 42 00 28.10N 139.80E 540 4.9W **¶11222358**
BJI VIII 27 13 42 42.4 27.85N 139.52E 509 4.8b,4.7b
MOS VIII 27 13 42 43.7–.91 27.98N 139.32E 512 4.5b,4.7b
JMA VIII 27 13 42 44.4–.10 28.07N 139.85E 538 4.9,4.7b
NEIC VIII 27 13 42 44.6–.16 27.95N 139.37E 509 4.8W,4.6b
ISCJB VIII 27 13 42 44.6–.27 27.99N–.03 139.29E–.03 513–2 4.5b,4.6b
IDC VIII 27 13 42 45.8–.60 27.99N 139.31E 523–6 4.0,4.0
DJA VIII 27 13 42 48 28.04N 139.51E 568 4.6b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s268.00000°,δ64.00000°,λ-74.00000°. NP2:ϕ_s54.00000°,δ30.00000°,λ-120.00000°. $M_0$2.14000×10^{16}
MOS Error ellipse: s-maj=11.4km s-min=5.8km az=103.2.
JMA Error ellipse: s-maj=3.3km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.9km az=129.0. Moment Tensor Solution. $M_0$2.10000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.4km az=152.6.
IDC Error ellipse: s-maj=8.5km s-min=6.0km az=86.0.
JMA VIII 27 14 16 56.7–.30 28.11N 140.03E 533–4 3.6
¶13541743
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
ISC VIII 28 08 28 23.3–.40 28.35N–.04 139.83E–.09 451–4 3.6b 50 2-122
ISCJB VIII 28 08 28 22.2–.40 28.33N–.04 139.77E–.09 456–4 3.6b **¶11908988**
IDC VIII 28 08 28 22.4–.56 28.35N 139.75E 444–6 3.5,3.4
NEIC VIII 28 08 28 23.4–.98 28.36N 139.73E 457–12 4.1,3.4
JMA VIII 28 08 28 23.7–.30 28.49N 140.31E 463–4 4.1,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=6.2km az=170.2.
IDC Error ellipse: s-maj=13.6km s-min=8.3km az=90.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.3km az=110.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
IDC VIII 29 05 50 13.6–1.2 27.04N 141.25E 90–12 3.6,3.3b
¶12581534
IDC Error ellipse: s-maj=27.1km s-min=20.0km az=114.0.
ISC IX 02 08 51 53.5–.49 28.88N–.06 139.9E–.20 367–10 3.5b 26 3-122
ISCJB IX 02 08 51 52.5–.50 28.83N–.06 139.8E–.20 372–10 3.5b **¶11909269**
IDC IX 02 08 51 52.9–.65 28.86N 139.86E 362–12 3.2b,3.2
JMA IX 02 08 51 54.0–.30 28.79N 139.72E 358 3.6,3.2
ISCJB Error ellipse: s-maj=29.6km s-min=6.5km az=167.9.
IDC Error ellipse: s-maj=32.9km s-min=10.4km az=72.0.
JMA Error ellipse: s-maj=2.2km s-min=6.8km az=-1.0.
IDC IX 03 08 52 10.1–2.0 28.87N 142.31E 47–21 3.6L,3.6
¶11909355
IDC Error ellipse: s-maj=40.3km s-min=14.9km az=89.0.
ISC IX 06 11 38 56.7–.11 28.26N–.02 138.96E–.02 518 4.7b 673 3-165
NIED IX 06 11 38 00 28.30N 139.20E 540 4.9W **¶13393578**
ISCJB IX 06 11 38 55.6–.11 28.25N–.02 138.95E–.02 516 4.7b
JMA IX 06 11 38 55.4–.20 28.28N 139.23E 536–4 5.0
BJI IX 06 11 38 56.1 28.25N 138.99E 539 5.2b,4.8b
NEIC IX 06 11 38 56.2–.13 28.28N 138.91E 515 4.8W,4.8b
MOS IX 06 11 38 56.7–.97 28.35N 138.90E 534 4.9b,4.8b
IDC IX 06 11 38 57.6–.42 28.30N 138.94E 533–4 4.2,4.2
DJA IX 06 11 39 06 27.99N 138.87E 650 5.1b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ63.00000°,λ-87.00000°. NP2:ϕ_s83.00000°,δ27.00000°,λ-95.00000°. $M_0$2.34000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=2.1km az=135.5.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.2km az=135.0. Moment Tensor Solution. $M_0$2.30000×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=5.1km az=102.8.
IDC Error ellipse: s-maj=8.9km s-min=6.2km az=94.0.
ISC IX 09 19 11 52.1–1.0 28.89N–.08 138.2E–.30 518–17 2.9b 16 4-58
ISCJB IX 09 19 11 51.2–1.0 28.91N–.07 138.2E–.30 531–16 2.9b **¶11909895**
IDC IX 09 19 11 52.2–1.4 28.82N 138.11E 519–19 2.8,2.6
JMA IX 09 19 11 53.3–.20 29.02N 138.53E 519 3.5,2.6
ISCJB Error ellipse: s-maj=38.5km s-min=10.0km az=170.9.
IDC Error ellipse: s-maj=31.9km s-min=17.5km az=91.0.
JMA Error ellipse: s-maj=3.3km s-min=4.9km az=-1.0.
IDC IX 10 12 17 13.8–4.5 28.02N 138.74E 386–136 3.1,3.0
¶11909953
IDC Error ellipse: s-maj=267.0km s-min=17.9km az=66.0.
ISC IX 14 03 05 11.6–2.1 27.0N–.20 140E–1.0 520–31 3.2b 8 10-83
ISCJB IX 14 03 05 10.0–2.3 27.0N–.20 139E–1.0 510–35 3.2b **¶11910230**
NEIC IX 14 03 05 11.6–1.6 27.03N 139.73E 520–24 3.2b
IDC IX 14 03 05 12.1–3.1 27.01N 139.36E 519–64 3.1,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=143.0km s-min=21.4km az=173.2.
NEIC Event type se. Error ellipse: s-maj=105.9km s-min=16.1km az=83.0.
IDC Error ellipse: s-maj=445.7km s-min=15.0km az=85.0.
ISC IX 14 04 09 46.5–.33 28.28N–.03 139.66E–.03 420–3 4.2b 310 3-152
NIED IX 14 04 09 00 28.30N 140.10E 400 4.4W **¶13394318**
MOS IX 14 04 09 44.4–.94 28.25N 139.63E 418 4.4b
ISCJB IX 14 04 09 45.4–.34 28.26N–.03 139.58E–.03 422–2 4.2b
IDC IX 14 04 09 45.7–.53 28.27N 139.71E 421–5 3.9,3.8
JMA IX 14 04 09 46.2–.30 28.34N 140.12E 439–4 4.5,3.8
NEIC IX 14 04 09 47.7–.60 28.29N 139.64E 440–6 4.1b,3.8
BJI IX 14 04 09 47.0 28.32N 139.49E 425 4.5b,4.3b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ80.00000°,λ-109.00000°. NP2:ϕ_s265.00000°,δ22.00000°,λ-28.00000°. $M_0$4.85000×10^{15}
MOS Error ellipse: s-maj=11.1km s-min=6.0km az=108.9.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=18.2.
IDC Error ellipse: s-maj=11.0km s-min=8.6km az=72.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=5.1km az=162.0.
JMA IX 15 10 10 02.6–.20 27.39N 140.71E 406 3.6
¶14100876
JMA Error ellipse: s-maj=3.3km s-min=6.9km az=-1.0.
ISC IX 17 14 20 28.1–.73 27.93N–.09 140.0E–.20 393–7 3.4b 24 2-97
ISCJB IX 17 14 20 26.9–.81 28.02N–.07 139.9E–.20 391–8 3.4b **¶11910479**
IDC IX 17 14 20 27.2–1.1 27.95N 139.86E 383–13 3.3,3.1b
JMA IX 17 14 20 28.8–.10 28.17N 140.58E 408 3.7,3.1b
ISCJB Error ellipse: s-maj=32.0km s-min=7.8km az=166.6.
IDC Error ellipse: s-maj=33.0km s-min=16.0km az=93.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
IDC IX 21 07 17 38.5–.95 27.60N 141.71E 0 3.9b,3.9
¶11910750
IDC Error ellipse: s-maj=44.3km s-min=12.1km az=54.0.
IDC IX 27 05 55 02.9–2.3 28.60N 138.89E 362–39 3.2,3.1b
¶11911165
IDC Error ellipse: s-maj=77.0km s-min=19.7km az=77.0.
ISC IX 30 15 47 39.9–.77 27.4N–.10 140.1E–.20 452–10 3.4b 14 2-83
ISCJB IX 30 15 47 38.9–.78 27.4N–.10 140.0E–.20 456–10 3.4b **¶11911464**
NEIC IX 30 15 47 38.3–1.5 27.36N 140.14E 435–17 4.3
IDC IX 30 15 47 40.0–.72 27.35N 140.16E 454–11 3.3,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.5km s-min=17.6km az=171.1.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=11.9km az=87.0.
IDC Error ellipse: s-maj=28.6km s-min=17.8km az=82.0.
ISC X 02 14 14 49.0–.55 27.41N–.07 140.5E–.20 458–6 3.3b 43 2-82
ISCJB X 02 14 14 47.8–.55 27.43N–.06 140.5E–.20 464–6 3.3b **¶11911718**
NEIC X 02 14 14 47.8–1.3 27.32N 140.27E 446–14 3.8b
IDC X 02 14 14 48.5–1.2 27.33N 140.28E 455–13 3.2,3.0
JMA X 02 14 14 49.5–.10 27.62N 140.90E 463 3.6,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=8.1km az=168.5.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=12.8km az=90.0.
IDC Error ellipse: s-maj=27.3km s-min=13.5km az=89.0.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
ISC X 04 13 35 31.8–1.0 27.01N–.08 141.7E–.20 64–11 4.2b 22 0-84
NIED X 04 13 35 00 26.90N 141.60E 80 4.5W **¶11748070**
IDC X 04 13 35 25.1–2.3 27.32N 141.26E 0 4.3,4.2
ISCJB X 04 13 35 30.6–1.1 27.08N–.08 141.6E–.20 66–12 4.1b,4.2
JMA X 04 13 35 32.7–.20 26.94N 141.62E 51 4.6,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ69.00000°,λ58.00000°. NP2:ϕ_s154.00000°,δ37.00000°,λ145.00000°. $M_0$5.54000×10^{15}
IDC Error ellipse: s-maj=77.2km s-min=19.5km az=26.0.
ISCJB Event type fe. Error ellipse: s-maj=32.7km s-min=9.2km az=164.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC X 04 14 25 58.3–.67 27.55N 140.44E 459–21 2.8b,2.8
¶12065906
IDC Error ellipse: s-maj=69.3km s-min=15.9km az=77.0.
ISC X 06 00 25 08.3–.65 27.9N–.10 140.1E–.20 372–13 3.4b 17 2-84
ISCJB X 06 00 25 07.4–.67 27.9N–.10 140.1E–.20 378–14 3.4b **¶12066079**
NEIC X 06 00 25 08.0–2.2 27.94N 140.11E 371–26 4.0b
IDC X 06 00 25 08.2–2.2 27.91N 140.14E 372–32 3.2,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.4km s-min=18.0km az=19.4.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=12.6km az=114.0.
IDC Error ellipse: s-maj=155.5km s-min=60.6km az=25.0.
ISC X 06 15 07 41.4–.36 27.84N–.04 139.76E–.07 504–4 3.7b 82 2-97
ISCJB X 06 15 07 40.4–.36 27.82N–.04 139.77E–.07 511–4 3.8b **¶12066160**
IDC X 06 15 07 40.9–.56 27.79N 139.66E 499–6 3.5,3.4b
JMA X 06 15 07 41.6–.30 27.94N 140.10E 514–4 4.0,3.4b
NEIC X 06 15 07 42.2–.79 27.81N 139.65E 517–10 4.2b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.8km az=169.4.
IDC Error ellipse: s-maj=11.6km s-min=8.1km az=90.0.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.1km az=108.0.
JMA X 11 23 18 01.2 27.18N 141.69E 111–4 3.9
¶14110315
JMA Error ellipse: s-maj=1.1km s-min=7.9km az=-1.0.
ISC X 15 19 27 26.7–.68 27.9N–.10 140.3E–.40 512–14 3.0b 17 2-77
ISCJB X 15 19 27 25.7–.67 27.9N–.10 140.3E–.40 516–14 3.0b **¶12068707**
IDC X 15 19 27 28.0–3.0 27.89N 139.85E 512–42 2.8,2.7b
JMA X 15 19 27 28.7–.10 28.16N 140.44E 491 3.4,2.7b

ISCJB Error ellipse: s-maj=53.1km s-min=13.6km az=164.2.
IDC Error ellipse: s-maj=85.7km s-min=19.8km az=75.0.
JMA Error ellipse: s-maj=3.3km s-min=6.9km az=-1.0.
IDC X 16 10 34 51.7–2.3 28.63N 143.44E 0 3.8,3.7b
¶12068762

IDC Error ellipse: s-maj=70.7km s-min=20.8km az=79.0.
ISC X 17 08 20 32.4–.41 27.52N–.04 140.38E–.10 453–4 4.0b 85 2-151
ISCJB X 17 08 20 31.2–.41 27.45N–.04 140.3E–.10 457–5 4.0b **¶13397322**
NEIC X 17 08 20 32.8–.84 27.35N 140.27E 464–8 4.2b
IDC X 17 08 20 33.1–1.5 27.34N 140.20E 467–15 3.7,3.6b
JMA X 17 08 20 34.0–.10 27.68N 140.87E 456 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=6.0km az=169.8.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.4km az=76.0.
IDC Error ellipse: s-maj=16.5km s-min=9.8km az=76.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
ISC X 19 04 03 51.9–.91 27.89N–.09 140.0E–.30 338–11 3.3b 22 2-82
IDC X 19 04 03 14.7–1.2 28.23N 140.37E 0 4.0,3.7b **¶12069017**
ISCJB X 19 04 03 51.0–.90 27.93N–.08 140.0E–.30 342–11 3.3b,3.7b
JMA X 19 04 03 52.2–.30 28.00N 140.11E 338 3.8,3.7b
IDC Error ellipse: s-maj=50.1km s-min=30.4km az=81.0.
ISCJB Error ellipse: s-maj=37.1km s-min=9.1km az=164.3.
JMA Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
ISC X 23 06 31 26.8–1.1 28.04N–.03 142.45E–.04 28–7 4.8b,4.0s 249 1-150
NIED X 23 06 31 00 28.10N 142.30E 38 4.9W,4.0s **¶13397867**
IDC X 23 06 31 21.4–.52 27.97N 142.54E 0 4.6,4.6
ISCJB X 23 06 31 24.1–.81 28.15N–.03 142.39E–.04 17–5 4.8b,4.0s
JMA X 23 06 31 24.3–.10 28.14N 142.34E 60 4.5,4.0s
BJI X 23 06 31 25.3 27.98N 142.62E 42 5.0b,4.9b
MOS X 23 06 31 26.8–.86 28.29N 142.36E 33 5.0b,4.0s
NEIC X 23 06 31 27.4–2.6 27.97N 142.48E 34–18 4.9W,4.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s322.00000°,δ83.00000°,λ89.00000°. NP2:ϕ_s154.00000°,δ7.00000°,λ102.00000°. $M_0$2.87000×10^{16}
IDC Error ellipse: s-maj=20.0km s-min=13.9km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.6km az=3.5.
JMA Error ellipse: s-maj=1.1km s-min=7.8km az=-1.0.
MOS Error ellipse: s-maj=13.4km s-min=6.2km az=124.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.0km az=127.0. Moment Tensor Solution. $M_0$2.90000×10^{16}
IDC X 29 04 49 32.2–3.0 28.73N 141.82E 0 4.0,3.9b
¶12071428

IDC Error ellipse: s-maj=141.9km s-min=23.7km az=76.0.
ISC X 29 19 09 33.1–3.3 28.78N–.07 140.64E–.10 22–24 4.0b 37 2-151
IDC X 29 19 09 29.8–.66 28.85N 140.54E 0 4.1,4.0 **¶12071521**
ISCJB X 29 19 09 32.7–.46 28.77N–.07 140.56E–.09 33 4.0b,4.0
NEIC X 29 19 09 36.5–1.7 28.86N 140.45E 48–15 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=16.6km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=7.3km az=146.3.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.5km az=99.0.
ISC X 31 06 58 04.7–.26 28.34N–.03 138.54E–.02 528–2 4.4b 625 3-153
BJI X 31 06 58 00.6 28.18N 138.87E 528 5.2b,4.7b **¶11380394**
NIED X 31 06 58 00 28.30N 138.90E 540 4.9W,4.7b
JMA X 31 06 58 01.5–.10 28.29N 138.94E 566 5.2,4.7b
ISCJB X 31 06 58 03.6–.25 28.34N–.03 138.53E–.02 526–2 4.4b,4.7b
MOS X 31 06 58 03.8–1.0 28.36N 138.56E 539 4.5b,4.7b
NEIC X 31 06 58 04.2–.41 28.34N 138.56E 527–5 4.9W,4.5b
IDC X 31 06 58 04.4–.62 28.37N 138.50E 535–7 4.0,4.0
DJA X 31 06 58 06 28.30N 138.48E 553 4.7b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s312.00000°,δ82.00000°,λ-24.00000°. NP2:ϕ_s45.00000°,δ66.00000°,λ-171.00000°. $M_0$2.98000×10^{16}
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=158.2.
MOS Error ellipse: s-maj=8.9km s-min=5.6km az=101.6.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=132.0. Moment Tensor Solution. $M_0$3.00000×10^{16}
IDC Error ellipse: s-maj=8.4km s-min=6.1km az=90.0.
ISC XI 06 06 31 01.2–1.6 26.87N–.06 142.94E–.09 23–11 4.0b,3.7s 37 1-149
NIED XI 06 06 30 00 27.00N 143.20E 8 4.3W,3.7s **¶11750127**
JMA XI 06 06 30 57.8–.40 26.98N 143.22E 56 4.3,3.7s
IDC XI 06 06 30 57.9–.72 26.80N 142.87E 0 4.0,3.9
NEIC XI 06 06 31 03.2–.46 26.81N 142.77E 35 4.3,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s76.00000°,δ63.00000°,λ119.00000°. NP2:ϕ_s205.00000°,δ38.00000°,λ46.00000°. $M_0$3.30000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=19.4km s-min=13.8km az=46.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=8.6km az=79.0.
ISC XI 13 18 11 41.9–.46 27.85N–.06 140.0E–.10 491–7 3.7b 50 2-84
ISCJB XI 13 18 11 40.9–.45 27.82N–.05 140.0E–.10 495–7 3.7b **¶12073433**
JMA XI 13 18 11 42.2–.10 27.98N 140.51E 504 3.9
NEIC XI 13 18 11 42.3–1.4 27.77N 139.80E 492–14 4.0b
IDC XI 13 18 11 43.0–2.6 27.78N 139.79E 500–30 3.2b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=8.3km az=175.5.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=13.9km az=93.0.
IDC Error ellipse: s-maj=25.0km s-min=17.1km az=85.0.
ISC XI 13 18 20 36.8–.52 27.89N–.07 140.3E–.20 504–9 3.6b 41 2-82
NEIC XI 13 18 20 30.4–1.4 27.91N 140.21E 424–17 3.7b **¶12073435**
ISCJB XI 13 18 20 35.6–.52 27.82N–.07 140.2E–.20 504–9 3.6b
JMA XI 13 18 20 37.7–.10 28.02N 140.46E 495 3.6
IDC XI 13 18 20 40.4–5.9 27.73N 139.67E 531–62 3.2,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.1km s-min=9.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=32.3km s-min=8.2km az=168.4.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=75.2km s-min=11.1km az=73.0.
JMA XI 15 13 32 10.5–.10 28.64N 143.04E 27 4.0
¶14122310

JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
ISC XI 15 20 49 32.9–.67 27.38N–.06 140.3E–.20 382–7 3.1b 29 2-82
ISCJB XI 15 20 49 31.9–.65 27.34N–.05 140.3E–.20 391–7 3.1b **¶12073662**
IDC XI 15 20 49 32.4–.88 27.26N 140.31E 377–7 3.2,2.9b
JMA XI 15 20 49 33.8–.20 27.54N 140.85E 399 3.6,2.9b
ISCJB Error ellipse: s-maj=27.7km s-min=6.4km az=167.5.
IDC Error ellipse: s-maj=27.1km s-min=11.5km az=95.0.
JMA Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
ISC XI 16 10 34 10.6–1.5 27.48N–.02 142.71E–.07 34–11 4.2b,3.6s 78 1-149
NIED XI 16 10 34 00 27.40N 143.00E 8 4.1W,3.6s **¶11750706**
IDC XI 16 10 34 05.5–.60 27.42N 142.79E 0 4.2,4.1
ISCJB XI 16 10 34 08.2–.99 27.56N–.03 142.80E–.09 33–8 4.2b,3.6s
JMA XI 16 10 34 08.2–.10 27.44N 143.00E 51 4.1,3.6s
NEIC XI 16 10 34 10.7–.37 27.41N 142.71E 35 4.6b,4.1W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ69.00000°,λ99.00000°. NP2: ϕ_s161.00000°,δ23.00000°,λ68.00000°. $M_0$1.46000×10^{15}
IDC Error ellipse: s-maj=16.5km s-min=11.3km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=4.2km az=2.6.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.4km az=83.0. Moment Tensor Solution. $M_0$1.50000×10^{15}
IDC XI 22 08 55 12.7–29 27.07N 140.30E 478–360 3.2,2.9b
¶12074485

IDC Error ellipse: s-maj=93.4km s-min=31.4km az=125.0.
ISC XI 23 09 16 52.1–.52 28.42N–.06 141.2E–.20 111–7 4.0b 49 2-150
IDC XI 23 09 16 49.0–2.1 28.10N 140.47E 87–20 3.7,3.6b **¶12074577**
NEIC XI 23 09 16 50.7–1.1 28.33N 140.78E 94–10 4.4b,3.6b
ISCJB XI 23 09 16 51.1–.48 28.48N–.05 141.3E–.20 119–7 4.0b,3.6b
JMA XI 23 09 16 51.9 28.49N 141.46E 119 3.8,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=14.2km az=58.0.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=9.9km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=32.4km s-min=4.5km az=166.1.
JMA Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.
IDC XI 29 06 31 35.8–1.4 28.71N 142.69E 0 3.9,3.8b
¶12075229

IDC Error ellipse: s-maj=44.7km s-min=26.2km az=77.0.
ISC XII 01 13 09 40.5–.57 27.19N–.05 140.3E–.20 401–6 3.2b 43 2-77
ISCJB XII 01 13 09 39.2–.56 27.10N–.05 140.2E–.10 406–7 3.2b **¶12075411**
IDC XII 01 13 09 39.7–.83 27.09N 140.30E 395–10 3.2,3.0b
NEIC XII 01 13 09 40.2–1.0 27.15N 140.20E 400–13 3.2,3.0b
JMA XII 01 13 09 42.6–.30 27.36N 140.09E 370 3.8,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=7.2km az=173.3.
IDC Error ellipse: s-maj=25.4km s-min=25.1km az=106.0.
NEIC Event type se. Error ellipse: s-maj=30.1km s-min=16.9km az=83.0.
JMA Error ellipse: s-maj=4.4km s-min=6.9km az=-1.0.
JMA XII 03 04 55 15.5–.20 28.81N 143.00E 97 3.9
¶15512405

JMA Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
ISC XII 04 20 25 55.9–.93 27.53N–.02 142.71E–.05 25–6 4.7b,4.3s 242 1-95
NIED XII 04 20 25 00 27.40N 143.10E 8 5.0W,4.3s **¶13401931**
IDC XII 04 20 25 50.6–.51 27.39N 142.86E 0 4.6,4.5
JMA XII 04 20 25 51.6–.20 27.45N 143.08E 81 4.2,4.5
MOS XII 04 20 25 52.4–1.3 27.47N 142.82E 22 4.9b,4.3s
ISCJB XII 04 20 25 54.3–.92 27.65N–.02 142.62E–.05 21–6 4.7b,4.3s
NEIC XII 04 20 25 54.5–4.0 27.46N 142.74E 18–24 5.0W,4.9b
GCMT XII 04 20 25 56.2–.50 27.27N 143.03E 20–1 4.9W,4.9b
BJI XII 04 20 26 02.4 27.97N 141.49E 20 5.2b,4.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s330.00000°,δ78.00000°,λ82.00000°. NP2:ϕ_s185.00000°,δ14.00000°,λ124.00000°. $M_0$4.03000×10^{16}
IDC Error ellipse: s-maj=15.2km s-min=10.5km az=103.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=11.2km s-min=5.6km az=120.2.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.2km az=179.5.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.7km az=135.0. Moment Tensor Solution. $M_0$4.00000×10^{16}
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s16,c18; s62,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}2.36±.21 $M_{\theta\theta}$-0.01±.11; $M_{\phi\phi}$-2.35±.14; $M_{r\theta}$0.37±.24; $M_{\theta\phi}$0.54±.08; $M_{\phi r}$1.23±.22; Best double couple: NP1:ϕ_s155.00000°,δ34.00000°,λ68.00000°. NP2:ϕ_s1.00000°,δ59.00000°,λ104.00000°. Principal axes: T 2.7500,Plg72.0000° ,Azm305.0000°; N -0.0300,Plg12.0000°,Azm173.0000°; P -2.7200,Plg13.0000° ,Azm81.0000° $M_0$2.70000×10^{16}
ISC XII 07 20 14 37.6–1.0 26.9N–.10 141.6E–.30 110–10 3.4b 16 1-81
ISCJB XII 07 20 14 36.5–1.1 26.9N–.10 141.6E–.30 114–10 3.4b **¶12076245**
IDC XII 07 20 14 37.0–1.6 26.86N 141.70E 104–12 3.6,3.3b
JMA XII 07 20 14 38.4–.10 26.97N 141.53E 98 3.9,3.3b
ISCJB Error ellipse: s-maj=41.8km s-min=12.0km az=162.2.
IDC Error ellipse: s-maj=50.6km s-min=30.5km az=95.0.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC XII 08 17 03 29.3–.38 27.89N–.04 139.77E–.07 494–4 4.0b 136 2-97
ISCJB XII 08 17 03 28.3–.38 27.87N–.04 139.81E–.07 503–4 4.0b **¶12076378**
MOS XII 08 17 03 28.3–.70 27.83N 139.65E 500 3.8b
IDC XII 08 17 03 28.6–.56 27.87N 139.70E 484–7 3.5,3.4b
JMA XII 08 17 03 29.8–.20 28.08N 140.35E 509 4.1,3.4b
NEIC XII 08 17 03 29.3–.46 27.84N 139.70E 494–6 4.5b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.7km az=170.7.
MOS Error ellipse: s-maj=15.2km s-min=8.5km az=110.6.
IDC Error ellipse: s-maj=13.7km s-min=9.5km az=87.0.
JMA Error ellipse: s-maj=3.3km s-min=5.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.8km az=76.0.
ISC XII 10 05 59 30.1–.46 27.60N–.05 140.2E–.10 457–5 3.4b 53 2-123
ISCJB XII 10 05 59 29.0–.46 27.58N–.05 140.1E–.10 461–6 3.4b **¶13402379**
JMA XII 10 05 59 28.6–.20 27.64N 140.65E 490 4.1
NEIC XII 10 05 59 28.6 27.64N 140.65E 490 4.2b
IDC XII 10 05 59 29.3–.58 27.55N 140.16E 450–7 3.3,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=7.7km az=174.0.
JMA Error ellipse: s-maj=3.3km s-min=6.9km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=18.3km s-min=13.5km az=82.0.
ISC XII 10 12 22 33.4–.30 27.24N–.03 140.22E–.04 500–3 4.3b 269 2-123
BJI XII 10 12 22 30.9 27.17N 140.32E 500 4.7b,4.7b **¶13402393**
IDC XII 10 12 22 32.8–.43 27.19N 140.17E 500–5 3.7,3.7
ISCJB XII 10 12 22 32.5–.30 27.22N–.03 140.24E–.04 508–3 4.3b,3.7
MOS XII 10 12 22 32.1–.91 27.22N 140.19E 505 4.4b,3.7
NEIC XII 10 12 22 33.2–.39 27.21N 140.17E 500–4 4.6b,3.7
JMA XII 10 12 22 34.0–.20 27.41N 140.45E 501 4.6,3.7
ISC Event type se.
IDC Error ellipse: s-maj=10.1km s-min=6.7km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.5km az=178.0.
MOS Error ellipse: s-maj=10.4km s-min=6.3km az=115.8.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=4.3km az=128.0.
JMA Error ellipse: s-maj=3.3km s-min=4.9km az=-1.0.
ISC XII 11 20 38 24.4–.41 28.24N–.05 140.2E–.10 424–6 3.7b 57 2-84
ISCJB XII 11 20 38 23.4–.41 28.20N–.05 140.1E–.10 429–6 3.7b **¶13402514**
IDC XII 11 20 38 24.0–.52 28.18N 140.09E 419–7 3.5,3.4
NEIC XII 11 20 38 24.7–.58 28.17N 140.12E 430–7 4.0b,3.4
JMA XII 11 20 38 25.1–.10 28.34N 140.56E 432 3.8,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=6.4km az=166.7.
IDC Error ellipse: s-maj=18.6km s-min=9.9km az=72.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.0km az=68.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
ISC XII 12 18 21 20.2–.92 27.19N–.09 140.4E–.30 394–12 3.3b 15 2-77
ISCJB XII 12 18 21 18.7–.96 27.11N–.09 140.2E–.30 397–13 3.3b **¶12077162**
JMA XII 12 18 21 19.1–.30 27.17N 140.54E 416 3.6
IDC XII 12 18 21 19.3–1.1 27.12N 140.29E 386–14 3.3,3.1b
ISCJB Error ellipse: s-maj=48.0km s-min=11.8km az=170.4.
JMA Error ellipse: s-maj=3.3km s-min=7.9km az=-1.0.
IDC Error ellipse: s-maj=43.5km s-min=24.6km az=89.0.
IDC XII 13 11 41 59.9–2.1 28.45N 140.84E 49–23 3.7,3.4b
¶12077297

IDC Error ellipse: s-maj=24.7km s-min=15.1km az=75.0.
IDC XII 16 04 10 54.9–7.3 28.67N 138.19E 532–92 3.0,2.8b
¶12077710

IDC Error ellipse: s-maj=32.0km s-min=17.6km az=78.0.
ISC XII 20 09 15 44.5–2.0 27.71N–.05 142.6E–.20 24–12 3.8b 13 1-78
IDC XII 20 09 15 39.3–1.3 27.47N 142.86E 0 3.9b,3.9 **¶12078304**
JMA XII 20 09 15 40.8–.40 27.72N 142.78E 0 3.4,3.9
ISCJB XII 20 09 15 43.3–1.8 27.81N–.04 142.5E–.30 26–11 3.8b,3.9
ISC XII 24 18 42 05.5–.36 28.22N–.04 139.70E–.08 494–5 3.6b 96 2-82
ISCJB XII 24 18 42 04.5–.36 28.18N–.04 139.71E–.08 501–5 3.6b **¶12078839**
IDC XII 24 18 42 04.9–.53 28.15N 139.69E 491–6 3.3,3.2
NEIC XII 24 18 42 05.4–.43 28.19N 139.64E 494–5 4.4b,3.2
JMA XII 24 18 42 05.6–.20 28.31N 139.95E 500–4 4.1,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=5.7km az=164.0.
IDC Error ellipse: s-maj=14.0km s-min=8.4km az=75.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.5km az=68.0.
JMA Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0.
IDC XII 25 02 16 35.2–2.5 28.23N 138.85E 376–64 3.2,3.0b
¶12078879

IDC Error ellipse: s-maj=122.5km s-min=16.9km az=73.0.
IDC XII 27 06 49 37.2–1.1 27.56N 140.28E 291–15 3.3,3.1b
¶12079138

IDC Error ellipse: s-maj=35.6km s-min=22.7km az=90.0.

IDC XII 30 12 44 30.2–2.8 27.86N 141.82E 0 3.7,3.6b
¶12079551

IDC Error ellipse: s-maj=122.1km s-min=22.3km az=74.0.

(213) Volcano Islands region.

ISC VII 03 09 44 29.2–2.1 22.4N–.30 143E–1.0 142–38 3.8b 12 5-54
NEIC VII 03 09 44 27.8–4.3 22.31N 143.23E 125–70 4.2b **¶11810490**
ISCJB VII 03 09 44 28.4–2.1 22.4N–.30 143E–1.0 153–38 3.8b
IDC VII 03 09 44 28.7–2.5 22.36N 143.32E 138–30 3.6,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=167.2km s-min=17.1km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=163.3km s-min=18.2km az=166.6.
IDC Error ellipse: s-maj=110.3km s-min=16.0km az=77.0.
IDC VII 12 00 44 09.4–3.4 22.28N 143.85E 94–25 3.5,3.5
¶12698147

IDC Error ellipse: s-maj=83.0km s-min=16.0km az=81.0.
IDC VII 12 01 59 07.2–2.3 22.03N 143.23E 258–19 3.3,3.2b
¶12698148

IDC Error ellipse: s-maj=70.8km s-min=16.4km az=82.0.
ISC VII 13 16 55 23.6–.35 24.03N–.04 142.83E–.07 35 4.4b,4.2s 94 3-150
BJI VII 13 16 55 12.3 23.39N 143.67E 25 4.9b,4.6b **¶11121222**
IDC VII 13 16 55 17.7–.48 24.03N 142.98E 0 4.4,4.4
NEIC VII 13 16 55 20.8–.40 23.98N 142.76E 15 4.4b,4.4
ISCJB VII 13 16 55 21.4–.36 23.99N–.04 142.84E–.07 33 4.4b,4.2s
MOS VII 13 16 55 21.0–1.1 23.96N 142.91E 33 4.8b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=11.7km az=85.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.4km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.2km az=169.8.
MOS Error ellipse: s-maj=16.3km s-min=8.9km az=104.5.
ISC VII 13 17 41 28.1–.25 24.15N–.04 143.05E–.04 35 4.7b,4.0s 175 3-151
BJI VII 13 17 41 20.7 23.72N 143.64E 38 4.9b,4.7b **¶11121225**
MOS VII 13 17 41 25.3–.90 24.03N 142.99E 33 4.9b,4.7b
ISCJB VII 13 17 41 26.0–.26 24.09N–.04 143.04E–.04 33 4.7b,4.0s
IDC VII 13 17 41 27.7–.55 24.07N 143.01E 37–4 4.3,4.3
NEIC VII 13 17 41 28.0–.20 24.04N 143.05E 39 4.7b,4.3
ISC Event type se.
MOS Error ellipse: s-maj=12.3km s-min=7.0km az=96.7.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.1km az=173.2.
IDC Error ellipse: s-maj=15.3km s-min=10.7km az=84.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.3km az=150.0.
ISC VII 13 17 44 11.4–4.8 23.99N–.07 142.9E–.10 4–29 4.2b 37 3-150
ISCJB VII 13 17 44 11.9–4.8 23.97N–.08 142.9E–.20 17–32 4.2b **¶11479980**
IDC VII 13 17 44 16.4–.82 24.06N 142.89E 36–6 4.0,3.9b
MOS VII 13 17 44 16.7–2.5 24.00N 142.50E 33 4.5b,3.9b
NEIC VII 13 17 44 16.5–.50 24.09N 142.90E 38 4.6b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=13.5km az=4.5.
IDC Error ellipse: s-maj=22.4km s-min=16.6km az=83.0.
MOS Error ellipse: s-maj=23.5km s-min=15.7km az=105.5.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.7km az=82.0.
ISC VII 13 18 07 23.8–5.2 24.02N–.06 142.8E–.20 17–32 3.8b 18 3-87
ISCJB VII 13 18 07 21.6–4.6 24.00N–.06 142.7E–.20 13–29 3.8b **¶11811489**
IDC VII 13 18 07 26.2–.94 24.01N 142.88E 35–7 3.7,3.5b
NEIC VII 13 18 07 26.1–.47 24.01N 142.82E 33 4.1b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.0km s-min=9.7km az=175.5.
IDC Error ellipse: s-maj=32.0km s-min=17.4km az=83.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=8.5km az=85.0.
ISC VII 13 18 13 09.9–4.6 24.1N–.30 143.4E–.50 41–33 3.9b 8 3-81
IDC VII 13 18 13 11.0–3.4 24.08N 142.87E 37–8 3.4b,3.4 **¶11811490**
NEIC VII 13 18 13 11.0–3.2 24.23N 143.14E 38 4.6b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=99.7km s-min=43.0km az=91.0.
NEIC Event type se. Error ellipse: s-maj=73.8km s-min=30.9km az=102.0.
IDC VII 13 18 54 02.9–2.4 23.98N 142.74E 0 3.6,3.5b
¶12698197

IDC Error ellipse: s-maj=101.8km s-min=18.8km az=81.0.
IDC VII 13 19 52 31.7–3.2 24.02N 142.80E 0 3.7,3.5b
¶12698198

IDC Error ellipse: s-maj=145.6km s-min=32.9km az=80.0.
ISC VII 18 15 24 48.8–1.1 24.20N–.03 142.93E–.04 32–7 4.6b,4.1s 159 3-150
BJI VII 18 15 24 40.2 23.70N 143.60E 29 4.9b,4.5b **¶13389513**
JMA VII 18 15 24 45.5–.20 24.86N 144.25E 0 4.6,4.5b
ISCJB VII 18 15 24 46.5–1.2 24.37N–.04 142.91E–.04 21–8 4.6b,4.1s
MOS VII 18 15 24 47.3–1.2 24.17N 142.87E 33 5.0b,4.2s
IDC VII 18 15 24 48.6–5.8 24.08N 142.97E 33–42 4.3,4.3
NEIC VII 18 15 24 49.6–1.1 24.20N 142.91E 40–10 4.6b,4.3
ISC Event type se.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.7km az=143.1.
MOS Error ellipse: s-maj=12.5km s-min=6.4km az=103.3.
IDC Error ellipse: s-maj=18.5km s-min=15.8km az=91.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.1km az=77.0.
IDC VII 18 15 39 55.1–.99 24.04N 143.09E 0 3.9,3.8b
NEIC VII 18 15 40 00.4–.59 24.03N 143.07E 35 4.1b,3.8b **¶11811942**
IDC Error ellipse: s-maj=49.0km s-min=17.5km az=83.0.
NEIC Event type se. Error ellipse: s-maj=32.8km s-min=10.6km az=84.0.
ISC VII 18 16 06 28.4–2.7 24.1N–.10 143.1E–.20 49–25 3.9b 12 13-81
ISCJB VII 18 16 06 25.7–4.1 24.1N–.10 143.2E–.20 44–38 3.9b **¶11811944**
IDC VII 18 16 06 28.1–5.1 24.04N 143.18E 45–50 3.8,3.7L
NEIC VII 18 16 06 28.4–2.2 24.08N 143.15E 49–20 4.1b,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.1km s-min=16.1km az=172.2.
IDC Error ellipse: s-maj=33.6km s-min=17.2km az=86.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=11.3km az=82.0.
ISC VII 18 16 10 31.2–.86 24.1N–.10 143.1E–.20 35 3.9b 11 41-87
IDC VII 18 16 10 25.7–1.1 24.07N 143.17E 0 4.1,3.9b **¶11811945**
ISCJB VII 18 16 10 28.9–.86 24.1N–.10 143.1E–.20 33 3.9b,3.9b
NEIC VII 18 16 10 31.1–.66 24.08N 143.13E 35 4.0b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=20.4km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=31.4km s-min=15.6km az=177.2.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=12.2km az=87.0.
IDC VII 18 18 27 37.4–2.8 24.15N 143.58E 0 3.7,3.6b
¶12698291

IDC Error ellipse: s-maj=127.2km s-min=24.5km az=79.0.
ISC VII 18 20 44 29.3–.76 24.13N–.07 143.3E–.20 35 4.0b 19 3-87
IDC VII 18 20 44 23.8–.97 24.06N 143.40E 0 4.0,3.9b **¶11811971**
ISCJB VII 18 20 44 27.1–.76 24.14N–.07 143.3E–.20 33 4.0b,3.9b
NEIC VII 18 20 44 29.4–1.8 24.08N 143.31E 37–17 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=17.1km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=8.0km az=168.8.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=11.3km az=83.0.
ISC VII 19 02 49 53.3–1.9 22.73N–.08 143.3E–.10 92–16 4.5b 24 4-150
ISCJB VII 19 02 49 51.5–2.1 22.72N–.08 143.3E–.10 93–18 4.5b **¶11812009**
NEIC VII 19 02 49 51.9–2.1 22.73N 143.29E 81–19 4.5b
IDC VII 19 02 49 53.0–2.5 22.75N 143.27E 90–22 4.4,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=13.1km az=6.9.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.4km az=99.0.
IDC Error ellipse: s-maj=18.6km s-min=12.4km az=102.0.
ISC VII 19 06 03 18.4–1.1 24.07N–.03 143.02E–.03 22–7 4.8b,4.7s 414 3-150
IDC VII 19 06 03 14.6–.49 24.05N 143.05E 0 4.7,4.7 **¶11133663**
BJI VII 19 06 03 18.1 24.11N 143.00E 30 5.3b,4.8s
ISCJB VII 19 06 03 18.2–.15 24.07N–.03 142.96E–.03 32 4.8b,4.7s
MOS VII 19 06 03 18.2–1.1 24.04N 142.95E 33 5.1b,4.8s
JMA VII 19 06 03 20.2–.30 24.42N 143.70E 99 4.4,4.8s
NEIC VII 19 06 03 20.2–.84 24.05N 142.99E 35–7 4.8b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=12.8km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.4km az=21.6.
MOS Error ellipse: s-maj=10.0km s-min=5.6km az=104.4.
JMA Error ellipse: s-maj=4.4km s-min=8.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.4km az=110.0.
IDC VII 19 06 39 40.1–13 23.52N 141.60E 423–156 3.1,2.9b
¶12698305

IDC Error ellipse: s-maj=40.9km s-min=27.4km az=77.0.
IDC VII 19 06 53 37.3–1.2 24.03N 143.20E 0 3.8,3.6b
¶12698306

IDC Error ellipse: s-maj=55.2km s-min=23.7km az=93.0.
IDC VII 19 06 58 43.0–2.1 23.93N 142.17E 0 3.9,3.8b
¶12698307

IDC Error ellipse: s-maj=111.2km s-min=22.8km az=82.0.
ISC VII 19 09 42 05.2–4.9 24.09N–.06 143.2E–.10 2–30 4.1b 29 3-147
IDC VII 19 09 42 05.0–.66 24.04N 143.17E 0 4.2,4.1b **¶13389571**
NEIC VII 19 09 42 10.2–.50 24.11N 143.18E 35 4.3b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=15.8km az=83.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.0km az=84.0.
IDC VII 19 12 14 18.4–2.7 22.09N 143.68E 0 4.0,3.9b
¶12698321

IDC Error ellipse: s-maj=147.2km s-min=32.8km az=88.0.
ISC VII 19 18 11 40.1–1.0 22.21N–.05 143.49E–.08 140–9 4.3b 69 5-150
BJI VII 19 18 11 31.2 21.49N 144.30E 151 4.8b,4.6b **¶11480055**
IDC VII 19 18 11 38.8–.86 22.16N 143.41E 129–7 4.1,4.0
ISCJB VII 19 18 11 39.1–1.1 22.21N–.05 143.47E–.08 147–9 4.3b,4.0
NEIC VII 19 18 11 41.1–1.2 22.16N 143.47E 152–11 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=9.6km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.9km az=177.8.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.0km az=79.0.
ISC VII 19 23 29 33.5–1.8 24.08N–.04 143.1E–.10 27–12 4.5s,4.3b 76 3-147
IDC VII 19 23 29 29.3–.58 24.06N 143.12E 0 4.4,4.3 **¶11480059**
ISCJB VII 19 23 29 30.4–2.1 24.12N–.05 143.1E–.10 17–14 4.5s,4.3b
MOS VII 19 23 29 33.8–.89 24.49N 142.91E 23 4.9b,4.3b
BJI VII 19 23 29 34.6 24.10N 143.00E 20 4.7b,4.6s
NEIC VII 19 23 29 34.6–.38 24.11N 143.04E 35 4.4b,4.6s
JMA VII 19 23 29 35.9–.10 24.39N 143.55E 96 4.3,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=13.3km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=8.0km az=175.6.
MOS Error ellipse: s-maj=21.6km s-min=8.5km az=112.3.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=7.5km az=86.0.
JMA Error ellipse: s-maj=3.3km s-min=5.1km az=-1.0.
IDC VII 22 21 02 06.0–6.5 24.77N 143.18E 257–48 3.2b,3.2
NEIC VII 22 21 01 50.5–2.5 24.69N 143.58E 127–21 4.3b,3.2 **¶11812395**
IDC Error ellipse: s-maj=229.5km s-min=74.5km az=52.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=10.7km az=123.0.
IDC VII 25 12 33 36.5–1.4 24.05N 143.22E 0 3.8,3.7b
¶12698432

IDC Error ellipse: s-maj=53.0km s-min=26.3km az=85.0.
ISC VII 29 23 08 21.1–.86 22.40N–.04 143.68E–.08 106–7 4.3b 79 4-149
ISCJB VII 29 23 08 19.9–.95 22.37N–.04 143.60E–.08 109–8 4.3b **¶11480178**
IDC VII 29 23 08 20.1–.81 22.38N 143.68E 96–6 3.9b,3.9
NEIC VII 29 23 08 21.0–1.0 22.40N 143.68E 107–9 4.4b,3.9
JMA VII 29 23 08 23.8–.20 23.03N 144.68E 94 4.9,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=6.8km az=174.9.
IDC Error ellipse: s-maj=19.9km s-min=10.5km az=78.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=76.0.
JMA Error ellipse: s-maj=5.6km s-min=8.2km az=-1.0.
ISC VIII 01 01 49 59.2–1.1 25.22N–.07 141.35E–.10 87–8 4.2b 48 2-151
ISCJB VIII 01 01 49 57.4–1.3 25.19N–.07 141.3E–.10 85–10 4.2b **¶13390554**
JMA VIII 01 01 49 59.9–.30 25.57N 141.20E 0 5.1
IDC VIII 01 01 50 00.4–.85 25.30N 141.39E 98–7 4.1,4.0
NEIC VIII 01 01 50 00.3–.28 25.20N 141.27E 98 4.1b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=11.5km az=165.7.
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=20.5km s-min=10.6km az=102.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.4km az=82.0.
ISC VIII 01 17 54 31.8–2.4 24.08N–.09 143.0E–.10 43–20 4.2b 27 13-89
IDC VIII 01 17 54 25.8–.99 24.09N 143.02E 0 4.7s,4.7 **¶11907675**
ISCJB VIII 01 17 54 27.6–5.5 24.07N–.09 143.0E–.20 25–37 4.2b,4.7
NEIC VIII 01 17 54 31.8–1.9 24.07N 143.00E 44–16 4.4b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=23.6km az=14.0.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=14.5km az=171.7.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.8km az=85.0.
IDC VIII 02 08 30 29.8–.97 24.22N 143.07E 0 4.2,4.0b
¶12580896

IDC Error ellipse: s-maj=29.2km s-min=27.2km az=55.0.
ISC VIII 05 14 47 14.3–.54 24.32N–.05 143.1E–.10 35 4.1b 36 2-88
IDC VIII 05 14 47 08.5–.79 24.24N 143.18E 0 4.2,4.1 **¶11907796**
ISCJB VIII 05 14 47 12.1–.54 24.35N–.05 143.1E–.10 33 4.1b,4.1
NEIC VIII 05 14 47 13.9–.45 24.24N 143.13E 35 4.5b,4.1
JMA VIII 05 14 47 21.0–.10 24.95N 143.42E 96 3.1,4.1
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=19.7km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=6.7km az=168.6.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.4km az=81.0.
JMA Error ellipse: s-maj=2.2km s-min=4.0km az=-1.0.
JMA VIII 08 20 24 14.6–.30 24.11N 140.71E 0 4.7
¶13517385

JMA Error ellipse: s-maj=4.4km s-min=8.1km az=-1.0.
ISC VIII 11 11 24 30.6–1.7 24.41N–.04 142.95E–.07 30–11 4.6b,3.6s 110 2-150
NIED VIII 11 11 24 00 25.60N 144.50E 5 4.7W,3.6s **¶11163361**
IDC VIII 11 11 24 26.1–.59 24.28N 142.75E 0 4.4b,4.4
MOS VIII 11 11 24 29.3–.93 24.34N 142.74E 33 4.9b,4.4
ISCJB VIII 11 11 24 30.5–1.6 24.56N–.07 142.85E–.07 36–12 4.6b,3.6s
BJI VIII 11 11 24 30.2 24.40N 142.80E 43 4.6b,4.5b
JMA VIII 11 11 24 30.5–.50 25.64N 144.54E 0 4.5,4.5b
NEIC VIII 11 11 24 32.2–2.0 24.38N 142.84E 44–16 4.7W,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s325.00000°,δ81.00000°,λ-82.00000°. NP2:ϕ_s102.00000°,δ12.00000°,λ-133.00000°. $M_0$1.32000×10^{16}
IDC Error ellipse: s-maj=19.6km s-min=13.8km az=92.0.
MOS Error ellipse: s-maj=16.5km s-min=8.1km az=113.6.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=9.6km az=42.5.
JMA Error ellipse: s-maj=4.4km s-min=5.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.5km az=129.0. Moment Tensor Solution. $M_0$1.30000×10^{16}
ISC VIII 14 16 24 02.0–1.9 23.6N–.10 143.6E–.40 170–15 3.5b 21 3-61
IDC VIII 14 16 24 01.5–2.6 23.49N 143.30E 153–27 3.5,3.4 **¶12581079**
ISCJB VIII 14 16 24 02.4–1.7 23.69N–.09 143.5E–.40 187–12 3.5b,3.4
JMA VIII 14 16 24 05.1–.20 23.58N 141.78E 169 4.7,3.4
IDC Error ellipse: s-maj=134.8km s-min=17.8km az=76.0.
ISCJB Error ellipse: s-maj=56.2km s-min=13.8km az=173.9.
JMA Error ellipse: s-maj=2.2km s-min=6.1km az=-1.0.
IDC VIII 18 13 37 33.8–3.6 25.25N 141.29E 102–24 3.1,3.0
¶12581172

IDC Error ellipse: s-maj=267.4km s-min=21.0km az=109.0.
JMA VIII 24 00 44 17.0–.20 25.40N 140.71E 82 4.2
¶13540531

JMA Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
ISC VIII 28 02 07 17.3–1.9 24.24N–.08 142.8E–.20 69–15 3.9b 21 3-150
NEIC VIII 28 02 07 14.0–.52 24.24N 142.74E 35 3.9b **¶11908964**
ISCJB VIII 28 02 07 15.3–2.0 24.21N–.08 142.9E–.20 67–16 3.9b
IDC VIII 28 02 07 16.7–2.4 24.23N 142.71E 58–20 3.8,3.7b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=20.5km s-min=11.8km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=28.3km s-min=13.6km az=177.8.
IDC Error ellipse: s-maj=24.2km s-min=12.6km az=93.0.
ISC VIII 29 06 40 11.6–.89 25.72N–.07 141.3E–.20 169–11 3.9b 30 1-85
ISCJB VIII 29 06 40 10.6–.82 25.71N–.07 141.4E–.20 177–10 3.9b **¶12581537**
IDC VIII 29 06 40 11.2–1.1 25.62N 141.25E 164–12 3.8,3.7b
JMA VIII 29 06 40 12.8–.20 25.72N 140.67E 93 4.5,3.7b
ISCJB Error ellipse: s-maj=29.5km s-min=9.7km az=168.8.
IDC Error ellipse: s-maj=28.8km s-min=12.1km az=85.0.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC IX 03 20 10 38.4–1.9 23.38N–.08 144.0E–.20 85–20 3.6b 35 4-81
NIED IX 03 20 10 00 23.50N 144.40E 17 3.9W **¶11747600**
IDC IX 03 20 10 28.9–.94 23.09N 144.63E 0 4.1L,3.9
JMA IX 03 20 10 36.9–.20 23.51N 144.43E 75 4.7,3.9
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ80.00000°,λ12.00000°. NP2:ϕ_s83.00000°,δ78.00000°,λ170.00000°. $M_0$8.60000×10^{14}
IDC Error ellipse: s-maj=34.6km s-min=16.3km az=80.0.
JMA Error ellipse: s-maj=4.4km s-min=6.1km az=-1.0.
IDC IX 13 10 19 42.0–9.2 25.27N 140.15E 0 3.7,3.6b
¶11910174
IDC Error ellipse: s-maj=422.3km s-min=32.0km az=74.0.
ISC IX 19 20 32 32.0–.23 23.80N–.04 142.91E–.04 35 4.6b,3.6s 273 3-150
IDC IX 19 20 32 25.3–.52 23.67N 142.96E 0 4.4,4.4 **¶11280414**
BJI IX 19 20 32 25.0 23.70N 143.00E 15 4.7b,4.6b
MOS IX 19 20 32 28.9–1.1 23.70N 142.92E 33 4.8b,4.6b
NEIC IX 19 20 32 28.1–.32 23.74N 142.97E 15 4.7b,4.6b
ISCJB IX 19 20 32 30.3–.23 23.81N–.04 142.86E–.04 33 4.6b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 24 04 08 09.5–2.6 22.04N 142.83E 243–24 3.4,3.2b
¶11910917
IDC Error ellipse: s-maj=30.8km s-min=15.3km az=94.0.
IDC IX 27 00 15 00.0–1.4 22.19N 143.86E 0 4.0,3.9b
¶11911132
IDC Error ellipse: s-maj=64.3km s-min=28.3km az=74.0.
ISC IX 30 10 06 45.1–1.6 23.74N–.04 142.96E–.04 16–9 4.6b,3.7s 458 3-150
NIED IX 30 10 06 00 24.10N 143.60E 14 4.3W,3.7s **¶11322396**
IDC IX 30 10 06 41.8–.55 23.67N 143.01E 0 4.4,4.4
BJI IX 30 10 06 41.6 23.70N 143.05E 12 4.8b,4.7b
NEIC IX 30 10 06 43.8–.21 23.69N 142.89E 10 4.8b,4.3W
ISCJB IX 30 10 06 44.0–.22 23.80N–.04 142.91E–.04 16 4.6b,3.7s
MOS IX 30 10 06 45.6–.98 23.72N 142.85E 33 4.9b,3.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s299.00000°,δ76.00000°,λ-128.00000°. NP2:ϕ_s192.00000°,δ41.00000°,λ-22.00000°. $M_0$3.51000×10^{15}
IDC Error ellipse: s-maj=20.9km s-min=13.3km az=87.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.7km az=105.0. Moment Tensor Solution. $M_0$3.50000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.0km az=38.8.
MOS Error ellipse: s-maj=13.3km s-min=7.5km az=93.7.
ISC X 01 11 50 35.4–1.2 24.7N–.10 141.5E–.20 172–15 3.6b 19 2-60
ISCJB X 01 11 50 34.2–1.2 24.7N–.10 141.6E–.20 180–15 3.6b **¶11911549**
IDC X 01 11 50 34.0–1.6 24.53N 141.49E 151–20 3.4,3.3
JMA X 01 11 50 37.5–.30 24.93N 140.56E 81 4.7,3.3
ISCJB Error ellipse: s-maj=31.9km s-min=15.3km az=163.9.
IDC Error ellipse: s-maj=29.5km s-min=17.0km az=83.0.
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISC X 03 20 02 55.9–.83 22.86N–.05 143.2E–.10 154–7 4.1b 88 4-150
NEIC X 03 20 02 53.9–1.4 22.89N 143.14E 133–13 4.5b **¶12065810**
IDC X 03 20 02 54.9–.81 22.79N 142.95E 138–7 3.9,3.8b
ISCJB X 03 20 02 55.4–.81 22.89N–.04 143.1E–.10 164–7 4.1b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 04 09 26 29.2–1.2 24.02N 143.21E 0 3.7,3.6b
¶12065890
IDC Error ellipse: s-maj=46.9km s-min=20.4km az=87.0.
ISC X 07 18 54 55.7–1.6 23.79N–.04 142.78E–.04 21–10 4.5b,3.8s 346 3-150
ISCJB X 07 18 54 50.8–1.6 23.76N–.04 142.73E–.04 1–9 4.6b,3.8s **¶11331899**
BJI X 07 18 54 51.5 23.56N 142.88E 18 4.8b,4.6b
NEIC X 07 18 54 54.1–.21 23.77N 142.83E 15 4.7b,4.6b
IDC X 07 18 54 56.6–5.5 23.75N 142.88E 30–39 4.3,4.3L
MOS X 07 18 54 57.5–1.3 24.05N 142.61E 32 4.8b,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.3km az=21.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=88.0.
IDC Error ellipse: s-maj=19.0km s-min=11.0km az=93.0.
MOS Error ellipse: s-maj=25.0km s-min=8.2km az=108.3.
IDC X 09 01 36 37.0–3.7 22.32N 143.88E 121–30 3.3,3.3
¶12066391
IDC Error ellipse: s-maj=104.0km s-min=21.2km az=79.0.
IDC X 15 17 54 25.3–3.2 22.22N 143.59E 129–28 3.5,3.4b
¶12068697
IDC Error ellipse: s-maj=35.5km s-min=16.0km az=82.0.
ISC X 18 05 24 00.2–1.6 22.63N–.08 143.5E–.20 98–14 4.2b 37 4-150
IDC X 18 05 23 57.6–6.8 22.57N 143.39E 68–60 3.9L,3.9 **¶12068953**
ISCJB X 18 05 23 58.9–1.7 22.63N–.08 143.6E–.20 104–15 4.2b,3.9
NEIC X 18 05 23 58.5–2.3 22.59N 143.52E 81–20 4.5b,3.9
JMA X 18 05 24 03.2–.20 23.47N 144.94E 93 4.9,3.9
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=14.1km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=30.0km s-min=12.5km az=172.6.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=8.1km az=84.0.
JMA Error ellipse: s-maj=4.4km s-min=5.1km az=-1.0.
ISC X 19 14 43 11.3–2.6 22.43N–.07 142.9E–.10 175–24 3.9b 49 11-150
ISCJB X 19 14 43 08.6–2.5 22.40N–.07 142.9E–.10 164–23 3.9b **¶12069048**
IDC X 19 14 43 08.9–2.5 22.49N 143.00E 154–22 3.9,3.8
NEIC X 19 14 43 09.2–2.0 22.44N 142.94E 155–19 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=10.8km az=178.4.
IDC Error ellipse: s-maj=19.7km s-min=11.2km az=92.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.4km az=91.0.
ISC X 28 21 19 05.8–.50 22.48N–.05 143.8E–.10 52 3.9b 38 5-146
ISCJB X 28 21 19 03.5–.51 22.47N–.05 143.7E–.10 50 3.9b **¶12071382**
NEIC X 28 21 19 05.2–1.3 22.51N 143.77E 47–12 4.1b
IDC X 28 21 19 05.6–.84 22.48N 143.71E 49–5 3.6,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=6.4km az=167.4.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.0km az=68.0.
IDC Error ellipse: s-maj=33.2km s-min=12.9km az=72.0.
JMA XI 01 13 22 04.2 25.08N 144.16E 9 4.0
¶14117342
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC XI 03 15 48 52.4–2.8 25.65N 144.12E 0 3.6,3.3b
¶12072136
IDC Error ellipse: s-maj=338.2km s-min=28.9km az=110.0.
IDC XI 05 16 45 01.3–3.4 22.23N 143.65E 108–57 3.2,3.2
¶12072437
IDC Error ellipse: s-maj=256.3km s-min=18.5km az=76.0.
ISC XI 06 10 56 38.4–.80 25.77N–.06 141.0E–.20 225–9 3.6b 39 1-79
ISCJB XI 06 10 56 36.6–.79 25.67N–.06 141.0E–.20 229–8 3.6b **¶12072521**
IDC XI 06 10 56 37.3–1.1 25.60N 140.89E 219–9 3.5,3.5
NEIC XI 06 10 56 39.0–2.3 25.63N 140.87E 236–22 4.6,3.5
JMA XI 06 10 56 39.1–.20 25.75N 140.10E 116 4.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.9km s-min=8.6km az=167.9.
IDC Error ellipse: s-maj=20.8km s-min=15.4km az=87.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=13.3km az=88.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC XI 08 20 21 42.5–2.6 25.44N 144.72E 0 3.9,3.6b
¶12072860
IDC Error ellipse: s-maj=337.1km s-min=26.6km az=110.0.
ISC XI 10 19 35 20.2–.97 25.56N–.08 141.3E–.20 165–9 3.6b 44 1-86
NEIC XI 10 19 35 19.0–2.0 25.49N 141.37E 156–18 4.0b **¶12073096**
ISCJB XI 10 19 35 19.3–.91 25.58N–.07 141.3E–.20 171–9 3.6b
IDC XI 10 19 35 20.2–1.3 25.55N 141.33E 165–11 3.6,3.4b
JMA XI 10 19 35 22.0–.20 25.61N 140.70E 82 4.5,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=13.5km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=11.3km az=166.6.
IDC Error ellipse: s-maj=24.6km s-min=17.1km az=95.0.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC XI 20 01 08 07.3–1.4 24.08N–.09 141.1E–.20 144–18 3.4b 22 3-61
ISCJB XI 20 01 08 06.4–1.3 24.07N–.07 141.3E–.20 155–16 3.4b **¶12074218**
IDC XI 20 01 08 06.5–2.7 23.80N 141.71E 130–28 3.5,3.3b
JMA XI 20 01 08 08.7–.10 24.16N 140.92E 101 5.0,3.3b
ISCJB Error ellipse: s-maj=35.7km s-min=11.6km az=174.9.
IDC Error ellipse: s-maj=44.1km s-min=17.9km az=98.0.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
IDC XI 23 00 16 46.8–1.0 24.57N 143.66E 46–8 3.7,3.6
¶12074545
IDC Error ellipse: s-maj=29.2km s-min=12.6km az=67.0.
IDC XI 24 10 13 52.4–.97 24.48N 141.79E 0 4.7,4.7s
¶12074668
IDC Error ellipse: s-maj=53.0km s-min=17.6km az=95.0.
ISC XI 24 19 02 45.8–2.0 24.6N–.10 142.7E–.20 83–18 4.3b 30 3-80
ISCJB XI 24 19 02 44.4–2.1 24.5N–.10 142.5E–.20 78–19 4.3b **¶12074707**
IDC XI 24 19 02 44.4–2.9 24.46N 141.92E 51–28 3.8,3.7b
NEIC XI 24 19 02 45.0–1.8 24.43N 141.92E 58–17 4.0b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.7km s-min=17.6km az=172.4.
IDC Error ellipse: s-maj=41.6km s-min=16.7km az=87.0.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=12.7km az=84.0.
ISC XI 25 20 36 42.6–2.4 22.6N–.10 143.3E–.20 149–17 4.0b 32 5-128
NEIC XI 25 20 36 36.6–2.1 22.08N 143.54E 127–16 4.2b **¶12074820**
ISCJB XI 25 20 36 41.1–2.6 22.6N–.10 143.3E–.20 154–19 4.0b
IDC XI 25 20 36 44.6–5.8 22.74N 143.12E 156–36 3.7b,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=16.3km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=28.3km s-min=22.1km az=5.1.
IDC Error ellipse: s-maj=50.7km s-min=30.3km az=145.0.
ISC XI 26 07 16 05.0–.72 22.61N–.05 141.9E–.10 250–7 3.9b 67 4-89
ISCJB XI 26 07 16 04.4–.71 22.65N–.04 141.9E–.10 260–7 3.9b **¶12074873**
NEIC XI 26 07 16 05.5–.66 22.58N 141.93E 255–7 4.0b
IDC XI 26 07 16 06.1–1.6 22.58N 141.94E 261–15 3.7b,3.7
JMA XI 26 07 16 08.9–.20 22.99N 142.13E 286 5.1,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=6.9km az=174.1.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.0km az=84.0.
IDC Error ellipse: s-maj=15.0km s-min=8.9km az=90.0.
JMA Error ellipse: s-maj=2.2km s-min=8.2km az=-1.0.
IDC XI 29 17 12 54.8–1.3 23.36N 143.07E 0 3.7,3.6b
¶12075271
IDC Error ellipse: s-maj=42.7km s-min=26.8km az=86.0.
ISC XII 13 09 46 06.8–2.3 22.2N–.10 143.6E–.30 132–19 3.4b 18 5-83
ISCJB XII 13 09 46 06.4–2.4 22.2N–.10 143.6E–.30 146–21 3.4b **¶12077279**
IDC XII 13 09 46 06.7–3.9 22.30N 144.01E 144–31 3.3s,3.3
NEIC XII 13 09 46 07.4–1.8 22.20N 143.58E 138–16 3.9b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.4km s-min=19.6km az=174.3.
IDC Error ellipse: s-maj=121.9km s-min=18.2km az=79.0.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=13.8km az=84.0.
ISC XII 15 03 00 38.3–.17 22.22N–.04 143.68E–.03 134 4.5b 438 5-151
BJI XII 15 03 00 30.9 21.74N 144.40E 141 4.9b,4.7b **¶13402808**
ISCJB XII 15 03 00 36.5–.17 22.17N–.04 143.60E–.03 132 4.5b,4.7b
IDC XII 15 03 00 36.9–.47 22.23N 143.73E 127–4 4.3,4.3
NEIC XII 15 03 00 37.4–.18 22.20N 143.75E 130 4.8b,4.3
MOS XII 15 03 00 37.9–1.0 22.22N 143.67E 150 4.7b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.7km az=13.0.
IDC Error ellipse: s-maj=12.6km s-min=7.7km az=88.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.5km az=72.0.
MOS Error ellipse: s-maj=12.0km s-min=6.2km az=113.6.
ISC XII 15 07 42 00.1–.81 22.1N–.10 143.2E–.20 35 3.8b 17 43-83
IDC XII 15 07 41 54.8–1.1 22.13N 143.19E 0 3.9,3.8b **¶12077553**
NEIC XII 15 07 41 56.3–.63 22.13N 143.22E 10 3.9,3.8b
ISCJB XII 15 07 41 57.9–.81 22.1N–.10 143.2E–.20 33 3.8b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 20 07 44 03.8–1.1 24.19N–.07 141.72E–.10 152–9 4.4b 67 2-151
IDC XII 20 07 44 02.4–1.6 24.12N 141.54E 141–13 3.8,3.7 **¶12078296**
NEIC XII 20 07 44 03.6–1.2 24.09N 141.64E 154–11 4.5b,3.7
JMA XII 20 07 44 04.1–.20 24.30N 141.53E 171 4.6,3.7
ISCJB XII 20 07 44 05.0–1.0 24.37N–.07 141.6E–.10 170–8 4.4b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 20 23 56 26.4–2.0 22.88N–.08 143.7E–.20 41–17 4.0s,3.7b 33 4-90
ISCJB XII 20 23 56 23.6–.68 22.88N–.06 143.8E–.20 33 4.0s,3.7b **¶12078397**
IDC XII 20 23 56 25.6–4.6 22.84N 143.78E 38–39 4.0s,4.0
NEIC XII 20 23 56 26.6–2.2 22.88N 143.68E 44–19 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=7.9km az=169.2.
IDC Error ellipse: s-maj=36.0km s-min=17.9km az=88.0.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=12.9km az=85.0.
ISC XII 21 03 37 07.4–1.9 22.94N–.09 143.1E–.20 94–15 3.9b 39 4-89
ISCJB XII 21 03 37 05.3–2.0 22.92N–.09 143.1E–.20 91–16 3.9b **¶12078411**
IDC XII 21 03 37 08.3–3.2 22.92N 143.05E 102–28 3.7,3.6b
NEIC XII 21 03 37 08.2–1.4 22.91N 143.03E 101–12 4.0b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.5km s-min=14.2km az=171.0.
IDC Error ellipse: s-maj=28.2km s-min=12.9km az=82.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=9.6km az=81.0.
IDC XII 26 11 21 30.8–5.6 22.77N 144.84E 0 3.7,3.5b
¶12079053
IDC Error ellipse: s-maj=210.3km s-min=31.7km az=72.0.
IDC XII 28 09 01 08.1–1.2 25.51N 142.69E 0 3.9,3.7b
¶12079257
IDC Error ellipse: s-maj=66.1km s-min=28.4km az=102.0.
IDC XII 29 05 15 53.0–13 24.23N 143.29E 0 3.8,3.7b
¶12079356
IDC Error ellipse: s-maj=386.7km s-min=44.1km az=179.0.

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IDC VII 01 09 59 12.2–3.6 18.72N 147.46E 0 3.8,3.7b
NEIC VII 01 09 59 13.7–1.8 18.71N 147.49E 10 3.8,3.7b **¶11799162**
IDC Error ellipse: s-maj=171.5km s-min=26.1km az=87.0.
NEIC Event type se. Error ellipse: s-maj=45.3km s-min=22.6km az=71.0.
IDC VII 07 00 12 02.0–5.8 19.34N 146.46E 0 4.0,3.8b
¶12698051
IDC Error ellipse: s-maj=371.3km s-min=36.6km az=92.0.
IDC VII 10 01 18 41.0–11 21.95N 143.31E 267–88 3.3,3.2
¶12698109
IDC Error ellipse: s-maj=144.7km s-min=21.4km az=77.0.
IDC VII 11 08 42 35.6–3.1 18.61N 147.96E 0 3.7,3.5b
¶12698134
IDC Error ellipse: s-maj=132.9km s-min=25.5km az=86.0.
IDC VII 13 06 22 26.4–3.2 19.67N 146.56E 0 3.8,3.7
¶12698182
IDC Error ellipse: s-maj=134.5km s-min=22.5km az=82.0.

IDC VII 13 12 39 38.5–3.6 21.85N 143.65E 0 3.5L,3.5
¶12698192

IDC Error ellipse: s-maj=153.1km s-min=22.0km az=80.0.
IDC VII 14 00 13 56.3–11 21.03N 144.69E 186–101 3.5,3.4b
¶12698202

IDC Error ellipse: s-maj=65.1km s-min=19.9km az=81.0.
ISC VII 14 14 39 16.7–.91 21.77N–.06 143.1E–.20 296–9 3.5b 28 5-150
ISCJB VII 14 14 39 15.9–.97 21.72N–.06 143.1E–.20 304–10 3.5b **¶11811564**
IDC VII 14 14 39 15.7–1.8 21.69N 143.15E 287–16 3.4,3.4
NEIC VII 14 14 39 18.1–1.0 21.69N 143.04E 311–11 4.0b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=9.0km az=171.8.
IDC Error ellipse: s-maj=21.0km s-min=11.7km az=87.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.0km az=80.0.
ISC VII 15 22 07 18.5–3.9 14.75N–.09 147.1E–.10 25–28 4.0b 15 2-70
IDC VII 15 22 07 14.8–1.6 14.76N 147.12E 0 4.2L,3.9 **¶11811693**
ISCJB VII 15 22 07 17.5–2.7 14.74N–.10 147.2E–.10 33–21 4.0b,3.9
NEIC VII 15 22 07 20.1–.79 14.74N 147.04E 35 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=19.9km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=16.2km az=5.4.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=9.1km az=97.0.
IDC VII 16 17 22 18.5–8.1 16.81N 148.16E 33–61 4.1,4.0
¶12698256

IDC Error ellipse: s-maj=29.1km s-min=16.2km az=82.0.
ISC VII 16 17 23 45.4–1.2 16.85N–.04 148.07E–.02 21–8 4.9b,4.1s 402 4-155
ISCJB VII 16 17 23 41.7–1.1 16.88N–.04 148.01E–.02 6–6 4.9b,4.1s **¶11126456**
IDC VII 16 17 23 41.8–.38 16.86N 148.12E 0 4.8,4.8b
BJI VII 16 17 23 41.5 16.93N 148.13E 6 4.9b,4.8b
NEIC VII 16 17 23 43.1–.18 16.83N 148.10E 10 4.9b,4.8b
MOS VII 16 17 23 45.1–.97 16.86N 148.07E 33 5.2b,4.8b
GCMT VII 16 17 23 48.2–.30 16.80N 148.28E 17–1 5.0W,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.9km az=3.7.
IDC Error ellipse: s-maj=14.4km s-min=9.9km az=93.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.4km az=134.0.
MOS Error ellipse: s-maj=9.4km s-min=5.8km az=110.1.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s21,c25; s72,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.33±.29 $M_{\theta\theta}$0.45±.16; $M_{\phi\phi}$3.88±.19; $M_{r\theta}$-0.43±.53; $M_{\theta\phi}$0.35±.11; $M_{\phi r}$0.48±.38; Best double couple: NP1:ϕ_s11.00000°,δ42.00000°,λ-82.00000°. NP2:ϕ_s180.00000°,δ48.00000°,λ-97.00000°. Principal axes: T 3.9400,Plg3.0000° ,Azm275.0000°; N 0.4600,Plg6.0000°,Azm185.0000°; P -4.4000,Plg84.0000°,Azm34.0000° M_ϕ4.20000×10^{16}
IDC VII 17 03 08 19.3–2.7 16.80N 147.88E 0 3.9,3.7b
¶12698264

IDC Error ellipse: s-maj=89.5km s-min=19.7km az=84.0.
ISC VII 17 17 31 39.8–7.2 15.0N–.10 147.1E–.10 26–51 3.7b 13 3-70
IDC VII 17 17 31 35.9–1.8 14.99N 147.07E 0 3.8,3.7L **¶11811846**
NEIC VII 17 17 31 37.0–1.1 14.99N 147.17E 10 4.1b,3.7L
ISCJB VII 17 17 31 39.0–4.4 15.0N–.10 147.1E–.20 36–34 3.7b,3.7L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 19 00 17 25.4–1.2 14.89N 143.95E 0 4.2,3.9b
¶12698297

IDC Error ellipse: s-maj=45.5km s-min=19.3km az=54.0.
IDC VII 19 07 12 00.4–7.8 21.62N 143.31E 299–80 3.2,3.1b
¶12698308

IDC Error ellipse: s-maj=38.0km s-min=15.8km az=80.0.
IDC VII 19 09 55 27.9–2.7 21.44N 146.46E 0 3.8,3.7b
¶12698315

IDC Error ellipse: s-maj=112.7km s-min=21.5km az=80.0.
ISC VII 20 17 24 32.0–.98 14.5N–.10 147.0E–.10 35 3.8b 15 2-145
IDC VII 20 17 24 27.2–1.3 14.51N 146.96E 0 4.3L,3.9 **¶11812196**
ISCJB VII 20 17 24 29.7–.98 14.6N–.10 147.0E–.10 33 3.8b,3.9
NEIC VII 20 17 24 32.9–3.1 14.47N 146.86E 40–24 4.6b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=36.4km s-min=20.8km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=9.6km az=42.8.
NEIC Event type se. Error ellipse: s-maj=31.5km s-min=13.6km az=87.0.
IDC VII 31 03 15 29.1–3.1 15.04N 147.32E 0 4.0b,4.0
¶12698505

IDC Error ellipse: s-maj=133.0km s-min=31.6km az=86.0.
ISC VII 31 13 36 39.5–2.7 15.04N–.05 147.03E–.07 15–16 4.7b,3.8s 104 3-146
ISCJB VII 31 13 36 36.2–2.3 15.05N–.05 147.04E–.07 7–14 4.7b,3.8s **¶11154037**
IDC VII 31 13 36 37.7–.74 15.16N 146.87E 0 4.4,4.4
MOS VII 31 13 36 40.8–1.1 15.11N 146.90E 34 4.7b,4.4
BJI VII 31 13 36 40.4 15.40N 147.11E 23 4.8b,4.6b
NEIC VII 31 13 36 41.0–5.0 15.08N 146.92E 24–34 4.7b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=7.1km az=21.7.
IDC Error ellipse: s-maj=19.8km s-min=15.1km az=100.0.
MOS Error ellipse: s-maj=13.4km s-min=7.3km az=106.2.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.4km az=90.0.
ISC VIII 07 05 39 24.3–.64 21.99N–.04 142.87E–.06 248–5 4.2b 115 5-150
BJI VIII 07 05 39 18.3 21.68N 143.32E 248 4.5b,4.3b **¶11165595**
MOS VIII 07 05 39 23.5–.77 21.96N 142.86E 261 4.4b,4.3b
ISCJB VIII 07 05 39 23.2–.65 21.97N–.04 142.86E–.06 252–5 4.2b,4.3b
NEIC VIII 07 05 39 25.0–1.0 21.96N 142.82E 259–10 4.2b,4.3b
JMA VIII 07 05 39 25.1–.20 22.32N 143.76E 273 4.7,4.3b
IDC VIII 07 05 39 25.8–2.9 22.02N 142.86E 266–27 3.9,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=17.3km s-min=7.4km az=105.3.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.1km az=170.6.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=89.0.
JMA Error ellipse: s-maj=3.3km s-min=7.2km az=-1.0.
IDC Error ellipse: s-maj=15.2km s-min=12.2km az=97.0.
IDC VIII 08 08 22 55.7–2.5 21.98N 143.26E 216–22 3.2,3.1b
¶12580978

IDC Error ellipse: s-maj=28.1km s-min=18.9km az=83.0.
ISC VIII 09 16 50 47.5–.75 21.69N–.06 143.2E–.20 303–8 3.5b 21 5-150
IDC VIII 09 16 50 46.9–1.4 21.65N 143.30E 302–13 3.5,3.4 **¶11908003**
ISCJB VIII 09 16 50 47.3–.76 21.72N–.06 143.2E–.20 315–8 3.5b,3.4
NEIC VIII 09 16 50 49.3–1.4 21.54N 143.26E 332–16 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=11.6km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=8.4km az=168.3.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=12.7km az=70.0.
IDC VIII 11 16 56 26.3–3.4 21.78N 143.93E 162–29 3.2,3.1b
¶12581029

IDC Error ellipse: s-maj=30.0km s-min=22.5km az=97.0.
ISC VIII 12 01 48 37.7–2.2 18.3N–.10 147.1E–.10 62–23 3.9b 18 5-146
ISCJB VIII 12 01 48 36.2–2.5 18.3N–.10 147.1E–.10 66–25 3.8b **¶11908101**
NEIC VIII 12 01 48 38.0–2.0 18.32N 147.10E 62–20 3.8b
IDC VIII 12 01 48 39.0–4.2 18.27N 146.91E 68–39 4.0L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=17.2km az=35.6.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=15.0km az=174.0.
IDC Error ellipse: s-maj=32.8km s-min=17.6km az=76.0.
ISC VIII 14 00 19 03.0–5.1 16.51N–.07 147.3E–.10 30–36 3.9b 27 4-89
IDC VIII 14 00 18 58.5–1.4 16.51N 147.33E 0 3.9,3.8 **¶11908187**
ISCJB VIII 14 00 19 01.3–.63 16.52N–.07 147.3E–.10 33 3.9b,3.8
NEIC VIII 14 00 19 03.5–.42 16.54N 147.30E 35 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=28.0km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=7.5km az=22.4.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.6km az=104.0.
ISC VIII 16 21 29 33.4–1.1 15.86N–.03 147.06E–.02 27–7 5.2b,4.8s 530 3-153
IDC VIII 16 21 29 27.7–.53 15.86N 147.20E 0 5.1,5.1b **¶12922300**
ISCJB VIII 16 21 29 30.5–1.0 15.88N–.03 147.01E–.02 17–7 5.2b,4.8s
MOS VIII 16 21 29 32.4–1.1 15.93N 146.97E 33 5.4b,4.9s
GCMT VIII 16 21 29 33.9–.20 15.64N 147.63E 12 5.1W,4.9s
BJI VIII 16 21 29 34.2 15.95N 147.21E 52 5.3b,5.3b
TEH VIII 16 21 29 35.0 15.89N 146.86E 35 5.3b,5.3b
NEIC VIII 16 21 29 35.7–1.5 15.83N 147.02E 50–13 5.1b,5.3b
DJA VIII 16 21 29 41 15.70N 146.96E 85 5.2b,5.3b
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=12.7km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.4km az=173.7.
MOS Error ellipse: s-maj=9.5km s-min=5.9km az=103.1.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s46,c64; s89,c155; Moment tensor: Scale 10^{16}Nm; M_{rr}5.01±.10 $M_{\theta\theta}$0.57±.10; $M_{\phi\phi}$-5.59±.09; $M_{r\theta}$1.67±.38; $M_{\theta\phi}$0.20±.09; $M_{\phi r}$3.08±.27; Best double couple: NP1:ϕ_s161.00000°,δ32.00000°,λ61.00000°. NP2:ϕ_s15.00000°,δ62.00000°,λ107.00000°. Principal axes: T 6.3200,Plg68.0000° ,Azm319.0000°; N 0.1000,Plg15.0000°,Azm186.0000°; P -6.4300,Plg15.0000°,Azm92.0000° M_ϕ6.40000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=5.8km az=127.0.
ISC VIII 20 16 22 21.9–3.7 18.4N–.20 147.0E–.20 48–37 3.9b 12 5-83
IDC VIII 20 16 22 15.1–1.0 18.53N 147.08E 0 4.4L,4.2 **¶11908497**
ISCJB VIII 20 16 22 22.2–4.2 18.3N–.20 146.8E–.20 60–39 3.9b,4.2
NEIC VIII 20 16 22 22.1–3.9 18.47N 147.06E 50–39 3.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=22.6km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=38.6km s-min=27.7km az=12.0.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=30.7km az=132.0.
IDC VIII 24 04 18 28.3–7.3 21.62N 143.68E 234–69 3.3,3.1b
¶12581333

IDC Error ellipse: s-maj=47.3km s-min=16.4km az=81.0.
IDC VIII 27 05 29 56.4–1.6 21.71N 143.01E 300–15 3.6,3.4
¶12581453

IDC Error ellipse: s-maj=24.9km s-min=13.6km az=79.0.
ISC VIII 29 17 45 51.4–1.7 19.24N–.05 146.2E–.20 43–14 3.9b 24 6-87
IDC VIII 29 17 45 45.0–.87 19.19N 146.34E 0 3.9,3.8b **¶11909084**
ISCJB VIII 29 17 45 50.5–2.4 19.18N–.07 146.2E–.20 55–22 3.9b,3.8b
NEIC VIII 29 17 45 53.3–1.5 19.19N 146.23E 64–14 4.3b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=15.9km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=11.3km az=0.7.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=8.1km az=93.0.
ISC VIII 30 02 59 24.3–1.7 21.7N–.10 143.2E–.20 300–14 3.4b 14 5-150
ISCJB VIII 30 02 59 23.6–1.7 21.7N–.10 143.2E–.20 308–14 3.4b **¶11909101**
NEIC VIII 30 02 59 24.8–2.9 21.69N 143.18E 303–28 3.7b
IDC VIII 30 02 59 24.5–1.9 21.71N 143.15E 298–18 3.3,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.6km s-min=17.8km az=176.9.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=11.4km az=84.0.
IDC Error ellipse: s-maj=28.4km s-min=14.6km az=87.0.
IDC IX 02 07 33 58.2–7.6 21.66N 144.54E 132–68 3.7,3.6s
¶11909267

IDC Error ellipse: s-maj=33.5km s-min=14.1km az=83.0.
IDC IX 04 10 52 41.6–2.6 21.61N 143.30E 284–29 3.4,3.2
¶11909452

IDC Error ellipse: s-maj=57.0km s-min=14.0km az=105.0.
ISC IX 05 14 11 42.7–2.5 19.13N–.09 146.3E–.20 66–23 3.7b 19 6-87
IDC IX 05 14 11 34.0–.74 19.16N 146.45E 0 4.0,3.9 **¶11909531**
ISCJB IX 05 14 11 41.0–2.9 19.13N–.09 146.3E–.20 66–26 3.7b,3.9
NEIC IX 05 14 11 42.7–1.9 19.13N 146.35E 66–17 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=15.0km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=29.7km s-min=14.7km az=174.5.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=10.2km az=89.0.
IDC IX 06 14 40 29.1–4.6 21.72N 143.41E 293–30 3.1,3.0
¶11909611

IDC Error ellipse: s-maj=240.3km s-min=23.5km az=87.0.
ISC IX 06 23 31 53.1–4.1 21.7N–.10 145.4E–.50 61–28 3.7b 10 6-84
ISCJB IX 06 23 31 51.8–4.5 21.7N–.10 145.2E–.50 58–32 3.7b **¶11909653**
IDC IX 06 23 31 56.5–5.1 21.64N 144.85E 77–35 3.5,3.4b
ISCJB Error ellipse: s-maj=83.4km s-min=16.8km az=171.8.
IDC Error ellipse: s-maj=94.8km s-min=16.9km az=82.0.
IDC IX 14 04 36 34.1–6.3 21.67N 143.14E 361–67 3.2,3.0
¶11910235

IDC Error ellipse: s-maj=35.8km s-min=19.7km az=92.0.
IDC IX 14 11 07 31.0–3.3 19.31N 146.55E 0 3.6s,3.6
¶11910255

IDC Error ellipse: s-maj=145.0km s-min=29.1km az=84.0.
IDC IX 17 03 09 18.4–6.6 19.33N 146.67E 0 3.9,3.7b
¶11910445

IDC Error ellipse: s-maj=221.5km s-min=29.3km az=80.0.
IDC IX 17 18 22 58.6–2.0 21.53N 143.60E 274–20 3.2,3.1
¶11910498

IDC Error ellipse: s-maj=29.5km s-min=12.6km az=83.0.
IDC IX 21 22 26 59.8–1.1 22.00N 143.15E 0 4.2,4.0b
¶11910795

IDC Error ellipse: s-maj=75.5km s-min=22.3km az=96.0.
ISC IX 22 16 08 53.4–1.5 20.61N–.06 146.2E–.10 47–14 4.2b 35 7-158
IDC IX 22 16 08 47.0–.55 20.58N 146.30E 0 4.4,4.3 **¶11910839**
ISCJB IX 22 16 08 50.7–1.8 20.61N–.06 146.2E–.10 40–16 4.2b,4.3
NEIC IX 22 16 08 52.8–1.6 20.62N 146.22E 42–15 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=13.2km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=10.1km az=176.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.2km az=86.0.
IDC IX 23 01 14 29.6–1.8 16.98N 144.65E 0 4.6L,4.1
¶11910869

IDC Error ellipse: s-maj=119.9km s-min=24.4km az=107.0.
ISC IX 23 20 45 37.6–1.1 18.73N–.09 147.4E–.30 35 3.9b,3.5s 12 6-93
IDC IX 23 20 45 32.4–1.2 18.73N 147.43E 0 4.1L,3.9 **¶11910900**
NEIC IX 23 20 45 33.6–8.0 18.80N 147.32E 8–49 4.3b,3.9
ISCJB IX 23 20 45 35.2–1.1 18.75N–.08 147.4E–.30 33 3.9b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 27 15 41 41.4–3.3 21.66N–.10 143.1E–.20 312–34 3.5b 15 15-89
ISCJB IX 27 15 41 37.8–3.5 21.66N–.10 143.1E–.20 290–35 3.5b **¶11911211**
NEIC IX 27 15 41 41.2–2.5 21.66N 143.08E 310–25 3.6b
IDC IX 27 15 41 43.5–4.6 21.65N 143.13E 333–46 3.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.0km s-min=15.5km az=174.7.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=10.6km az=85.0.
IDC Error ellipse: s-maj=27.8km s-min=13.7km az=82.0.
ISC IX 28 14 35 30.8–1.8 21.91N–.09 143.3E–.20 218–16 3.5b 19 5-150
ISCJB IX 28 14 35 29.8–1.8 21.90N–.09 143.2E–.20 223–15 3.5b **¶11911272**
IDC IX 28 14 35 31.6–2.7 21.91N 143.23E 225–25 3.4,3.4
NEIC IX 28 14 35 32.4–3.1 21.92N 143.18E 233–29 3.9b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.6km s-min=14.9km az=174.8.
IDC Error ellipse: s-maj=21.3km s-min=14.9km az=87.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=9.3km az=85.0.
IDC IX 30 12 59 54.2–8.7 17.30N 147.42E 52–65 3.7L,3.6
¶11911454

IDC Error ellipse: s-maj=69.8km s-min=26.5km az=76.0.
IDC X 01 10 45 04.3–3.2 18.62N 147.21E 0 3.7,3.5b
¶11911544

IDC Error ellipse: s-maj=132.0km s-min=33.5km az=79.0.
IDC X 03 05 07 03.8–2.2 16.41N 147.91E 0 3.8L,3.8
¶12065758

IDC Error ellipse: s-maj=61.5km s-min=22.4km az=90.0.
ISC X 06 13 36 38.7–4.8 19.02N–.05 147.2E–.10 23–34 3.6b 22 6-82
IDC X 06 13 36 34.9–1.0 18.97N 147.31E 0 3.9,3.8 **¶12066153**
ISCJB X 06 13 36 36.9–4.6 19.04N–.05 147.1E–.20 23–33 3.6b,3.8
NEIC X 06 13 36 41.4–2.4 18.93N 147.21E 47–22 3.8b,3.8
ISC Event type se.

IDC Error ellipse: s-maj=32.4km s-min=17.4km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=8.2km az=177.2.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=14.0km az=90.0.
ISC X 10 00 50 18.5–2.2 19.31N–.08 146.2E–.30 135–19 4.0b 23 6-87
IDC X 10 00 50 03.3–2.9 19.23N 146.58E 0 4.3,4.2b **¶12066474**
ISCJB X 10 00 50 17.1–2.3 19.35N–.09 146.3E–.30 144–20 4.0b,4.2b
NEIC X 10 00 50 18.4–1.4 19.33N 146.24E 138–12 4.1b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=131.2km s-min=23.0km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=44.6km s-min=12.5km az=171.4.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=7.2km az=81.0.
ISC X 11 12 12 41.7–.26 21.20N–.04 144.31E–.05 30 4.7b,4.4s 178 6-149
ISCJB X 11 12 12 39.8–.26 21.23N–.04 144.27E–.05 28 4.7b,4.4s **¶11344999**
IDC X 11 12 12 40.5–.60 21.34N 144.29E 25–2 4.3,4.3
MOS X 11 12 12 41.1–.94 21.53N 144.15E 33 5.1b,4.3
NEIC X 11 12 12 42.3–.24 21.27N 144.24E 35 5.0b,4.3
BJI X 11 12 12 43.2 20.95N 144.03E 29 5.3b,4.7s
DJA X 11 12 12 56 20.99N 145.48E 152 4.5b,4.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=5.5km az=154.1.
IDC Error ellipse: s-maj=15.7km s-min=14.5km az=85.0.
MOS Error ellipse: s-maj=19.3km s-min=12.5km az=118.7.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.3km az=98.0.
ISC X 17 15 58 00.4–.67 19.92N–.08 146.6E–.20 35 4.0b 30 6-86
IDC X 17 15 57 54.8–.81 19.92N 146.59E 0 4.0,4.0 **¶12068899**
ISCJB X 17 15 57 58.2–.68 19.92N–.08 146.6E–.20 33 4.0b,4.0
NEIC X 17 15 58 00.3–.43 19.92N 146.56E 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=16.2km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=11.3km az=172.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=7.7km az=84.0.
ISC X 21 00 02 21.2–.59 21.68N–.03 142.99E–.06 322–5 4.3b 188 5-150
JMA X 21 00 02 14.2–.40 21.39N 143.55E 316 4.3b **¶12070701**
ISCJB X 21 00 02 19.2–.74 21.62N–.04 142.98E–.06 317–7 4.3b
MOS X 21 00 02 20.0–.87 21.61N 142.96E 328 4.6b
IDC X 21 00 02 20.4–1.9 21.62N 142.96E 316–18 4.1,4.0
NEIC X 21 00 02 22.1–.83 21.58N 142.99E 334–8 4.3b,4.0
ISC Event type se.
JMA Error ellipse: s-maj=4.4km s-min=7.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.6km az=176.9.
MOS Error ellipse: s-maj=11.0km s-min=7.2km az=112.4.
IDC Error ellipse: s-maj=12.5km s-min=7.5km az=91.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.8km az=52.0.
IDC X 23 08 57 02.6–1.2 21.55N 143.77E 0 3.8L,3.7
¶12070866
IDC Error ellipse: s-maj=47.4km s-min=19.1km az=88.0.
ISC X 23 13 14 14.6–1.9 21.90N–.10 143.0E–.20 191–18 3.7b 22 5-62
NEIC X 23 13 14 12.8–3.2 21.91N 143.01E 175–30 4.2b **¶12070893**
ISCJB X 23 13 14 13.7–1.9 21.92N–.10 143.0E–.20 201–18 3.5b
IDC X 23 13 14 15.2–2.6 21.98N 143.21E 202–25 3.3,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=13.2km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=30.7km s-min=15.6km az=174.5.
IDC Error ellipse: s-maj=27.0km s-min=13.3km az=84.0.
ISC X 26 14 58 24.3–2.7 21.9N–.10 144.9E–.60 157–19 3.7b 21 6-84
NEIC X 26 14 58 24.7–2.2 21.87N 144.48E 150–23 4.2b **¶12071163**
IDC X 26 14 58 28.3–3.9 22.29N 144.73E 168–25 3.4b,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=68.9km s-min=10.9km az=80.0.
IDC Error ellipse: s-maj=91.3km s-min=21.4km az=77.0.
IDC X 28 13 33 15.3–3.9 18.05N 147.17E 0 4.0,3.6b
¶12071333
IDC Error ellipse: s-maj=275.1km s-min=33.1km az=122.0.
ISC X 30 00 42 17.4–.64 15.55N–.07 147.8E–.10 35 4.1b 46 3-145
IDC X 30 00 42 11.9–.78 15.55N 147.96E 0 4.1,4.0 **¶12071581**
ISCJB X 30 00 42 15.2–.65 15.56N–.07 147.9E–.10 33 4.1b,4.0
NEIC X 30 00 42 17.4–1.7 15.56N 147.85E 36–14 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=17.5km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=9.7km az=9.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.2km az=87.0.
IDC X 31 02 09 43.4–3.4 19.48N 146.25E 0 4.0,3.9b
¶12071702
IDC Error ellipse: s-maj=135.3km s-min=28.9km az=81.0.
ISC XI 01 09 23 12.7–1.0 18.54N–.04 147.18E–.08 53–8 4.7b,3.7s 153 5-143
BJI XI 01 09 23 06.4 18.10N 147.77E 60 5.0b,4.7s **¶11380760**
MOS XI 01 09 23 08.5–.84 18.55N 147.21E 33 5.1b,4.7s
ISCJB XI 01 09 23 10.6–1.2 18.54N–.04 147.16E–.08 49–10 4.7b,3.7s
IDC XI 01 09 23 12.8–2.8 18.55N 147.20E 52–24 4.6L,4.3
NEIC XI 01 09 23 13.4–1.2 18.50N 147.16E 60–11 4.8b,4.3
ISC Event type se.
MOS Error ellipse: s-maj=14.8km s-min=7.3km az=114.7.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.0km az=1.7.
IDC Error ellipse: s-maj=22.9km s-min=9.6km az=83.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.6km az=82.0.
ISC XI 02 12 21 26.1–1.5 21.97N–.08 143.3E–.10 192–13 3.8b 40 5-150
ISCJB XI 02 12 21 25.2–1.5 21.95N–.08 143.3E–.10 199–13 3.8b **¶12071986**
IDC XI 02 12 21 25.5–1.9 21.93N 143.30E 189–16 3.7,3.6
NEIC XI 02 12 21 25.9–2.6 21.96N 143.31E 191–24 4.4b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=12.8km az=173.2.
IDC Error ellipse: s-maj=18.9km s-min=11.7km az=85.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=10.4km az=83.0.
IDC XI 04 10 18 10.1–2.4 20.17N 143.69E 0 3.5,3.2b
¶12072234
IDC Error ellipse: s-maj=315.8km s-min=28.8km az=109.0.
ISC XI 14 19 46 25.0–.82 14.9N–.10 147.8E–.10 35 3.9b 23 3-66
IDC XI 14 19 46 19.6–1.2 15.00N 147.93E 0 4.0L,3.9 **¶12073550**
ISCJB XI 14 19 46 22.7–.82 14.9N–.10 147.8E–.10 33 3.9b,3.9
NEIC XI 14 19 46 24.7–.86 14.87N 147.87E 35 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=20.0km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=11.4km az=35.9.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=13.4km az=107.0.
ISC XI 17 02 11 21.3–.62 21.56N–.04 143.04E–.03 317–5 4.3b 310 5-150
MOS XI 17 02 11 17.0–.89 21.50N 143.20E 300 4.3b **¶11473048**
ISCJB XI 17 02 11 20.2–.65 21.52N–.04 143.00E–.03 320–5 4.2b
IDC XI 17 02 11 20.8–1.2 21.51N 143.12E 322–11 4.0,3.9
BJI XI 17 02 11 20.5 21.62N 143.15E 329 4.6b,4.3b
NEIC XI 17 02 11 22.2–.96 21.51N 143.04E 333–10 4.4b,4.3b
ISC Event type se.
MOS Error ellipse: s-maj=13.8km s-min=7.7km az=112.7.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.1km az=170.0.
IDC Error ellipse: s-maj=12.9km s-min=7.3km az=92.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=6.0km az=132.0.
IDC XI 17 20 12 07.2–6.4 21.35N 145.79E 0 3.6,3.5L
¶12073900
IDC Error ellipse: s-maj=249.3km s-min=21.1km az=78.0.
IDC XI 17 22 46 24.8–2.6 16.15N 147.66E 0 4.1,3.9
¶12073932
IDC Error ellipse: s-maj=81.0km s-min=28.4km az=85.0.
IDC XI 18 12 28 02.4–1.5 16.70N 147.61E 0 3.8L,3.8
¶12074005
IDC Error ellipse: s-maj=43.3km s-min=25.1km az=114.0.
IDC XI 19 13 58 40.4–8.0 20.11N 142.87E 0 3.8,3.6b
¶12074146
IDC Error ellipse: s-maj=324.9km s-min=27.1km az=77.0.
IDC XI 21 17 13 02.0–1.4 14.51N 147.80E 0 4.3L,4.1
¶12074415
IDC Error ellipse: s-maj=44.6km s-min=23.7km az=128.0.
ISC XI 21 17 27 03.8–3.2 18.18N–.04 147.03E–.09 17–19 4.4b,4.1s 72 5-146
ISCJB XI 21 17 26 59.4–3.1 18.15N–.04 147.06E–.09 2–19 4.4b,4.1s **¶12074417**
IDC XI 21 17 27 01.1–.51 18.09N 147.08E 0 4.3,4.3
NEIC XI 21 17 27 04.8–4.0 18.13N 147.09E 27–28 4.7b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=6.9km az=8.5.
IDC Error ellipse: s-maj=19.5km s-min=11.9km az=95.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.9km az=90.0.
IDC XI 25 00 25 56.7–1.7 17.90N 147.05E 0 3.8b,3.8
¶12074749
IDC Error ellipse: s-maj=69.2km s-min=21.9km az=92.0.
ISC XI 25 05 21 12.4–.63 18.16N–.06 147.1E–.20 35 3.9b 28 5-146
IDC XI 25 05 21 07.4–.73 18.15N 147.07E 0 4.1,4.0L **¶12074766**
ISCJB XI 25 05 21 10.4–.64 18.14N–.06 147.1E–.20 33 3.9b,4.0L
NEIC XI 25 05 21 12.5–.45 18.09N 146.98E 35 4.1b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=15.9km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=7.7km az=9.7.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=9.0km az=93.0.
ISC XI 25 12 27 10.8–2.5 17.99N–.08 147.1E–.20 59–23 4.0b 29 5-88
ISCJB XI 25 12 27 08.0–2.9 18.00N–.07 147.2E–.20 52–26 4.0b **¶12074780**
NEIC XI 25 12 27 10.8–1.9 17.96N 147.11E 58–18 4.3b
IDC XI 25 12 27 11.3–4.0 17.97N 147.06E 61–36 4.2L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.7km s-min=11.8km az=171.6.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=8.6km az=78.0.
IDC Error ellipse: s-maj=36.8km s-min=15.2km az=85.0.
ISC XI 25 13 35 35.5–4.1 18.01N–.08 147.2E–.50 73–28 3.9b 18 5-88
ISCJB XI 25 13 35 34.0–4.3 18.05N–.08 147.0E–.50 72–30 3.9b **¶12074784**
IDC XI 25 13 35 34.8–6.8 18.05N 147.12E 67–49 4.3L,3.8
NEIC XI 25 13 35 37.8–3.7 17.99N 146.77E 84–21 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=76.5km s-min=12.9km az=1.6.
IDC Error ellipse: s-maj=96.4km s-min=19.9km az=89.0.
NEIC Event type se. Error ellipse: s-maj=92.3km s-min=9.5km az=88.0.
ISC XI 25 15 42 05.9–1.2 21.62N–.06 143.2E–.10 295–12 3.6b 45 6-146
ISCJB XI 25 15 42 05.1–1.2 21.60N–.06 143.2E–.10 304–12 3.6b **¶12074789**
IDC XI 25 15 42 05.8–1.7 21.64N 143.20E 293–16 3.5,3.4b
NEIC XI 25 15 42 06.6–1.0 21.61N 143.23E 303–10 3.9b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=10.1km az=179.4.
IDC Error ellipse: s-maj=16.2km s-min=9.6km az=93.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.2km az=90.0.
ISC XI 25 16 12 31.8–2.7 18.03N–.07 147.4E–.20 53–23 3.8b 31 5-88
ISCJB XI 25 16 12 29.1–3.1 18.04N–.07 147.5E–.20 46–26 3.8b **¶12074791**
IDC XI 25 16 12 31.3–3.5 18.06N 147.38E 47–33 4.3L,3.7
NEIC XI 25 16 12 31.9–2.1 18.04N 147.46E 55–18 4.2b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.4km s-min=10.8km az=175.0.
IDC Error ellipse: s-maj=33.5km s-min=14.1km az=84.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=7.9km az=82.0.
IDC XI 25 19 07 07.7–9.8 18.12N 147.57E 0 3.5,3.4b
¶12074805
IDC Error ellipse: s-maj=396.9km s-min=23.7km az=83.0.
ISC XI 25 19 37 58.6–1.2 18.08N–.03 147.02E–.07 59–10 4.8b,4.0s 193 5-146
BJI XI 25 19 37 52.2 17.55N 147.80E 74 5.1b,4.6b **¶11474956**
MOS XI 25 19 37 54.8–1.2 18.03N 146.75E 33 4.9b,4.6b
IDC XI 25 19 37 56.9–2.0 18.10N 147.10E 43–18 4.5L,4.4
ISCJB XI 25 19 37 57.2–1.4 18.05N–.04 147.01E–.07 64–12 4.8b,4.4
NEIC XI 25 19 37 59.2–1.2 18.06N 146.96E 65–11 4.7b,4.4
DJA XI 25 19 38 15 17.73N 147.05E 207 4.8b,4.4
ISC Event type se.
MOS Error ellipse: s-maj=14.5km s-min=6.6km az=111.8.
IDC Error ellipse: s-maj=18.2km s-min=8.7km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.1km az=176.5.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.3km az=84.0.
IDC XI 28 06 15 54.9–1.2 19.56N 147.42E 0 4.0,3.8
¶12075119
IDC Error ellipse: s-maj=35.9km s-min=30.5km az=88.0.
IDC XI 30 00 49 26.6–2.8 18.27N 147.83E 0 4.5s,4.5
¶12075297
IDC Error ellipse: s-maj=103.5km s-min=21.4km az=88.0.
IDC XI 30 01 41 34.4–1.2 18.17N 148.20E 0 4.6L,4.0
¶12075300
IDC Error ellipse: s-maj=43.8km s-min=18.9km az=96.0.
ISC XI 30 03 40 39.1–2.1 18.03N–.06 147.1E–.10 52–19 4.1b,3.3s 46 5-134
IDC XI 30 03 40 32.2–.77 18.14N 147.15E 0 4.2,4.1b **¶12075308**
ISCJB XI 30 03 40 37.4–2.4 18.06N–.07 147.1E–.10 52–21 4.1b,3.3s
NEIC XI 30 03 40 39.0–1.7 18.06N 147.12E 52–15 4.2b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=15.7km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=10.7km az=175.2.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=7.5km az=86.0.
ISC XI 30 04 04 50.6–.72 15.17N–.08 147.2E–.10 35 4.4b,3.0s 54 3-145
IDC XI 30 04 04 45.2–.82 15.19N 147.12E 0 4.3,4.2 **¶12075310**
ISCJB XI 30 04 04 48.5–.73 15.22N–.08 147.1E–.10 33 4.4b,3.0s
NEIC XI 30 04 04 51.1–2.1 15.12N 147.09E 41–18 4.3b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=15.8km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=8.2km az=34.4.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=11.6km az=79.0.
IDC XII 01 00 29 56.6–3.2 21.46N 145.60E 0 3.7,3.6b
¶12075375
IDC Error ellipse: s-maj=128.7km s-min=29.1km az=80.0.
ISC XII 02 18 39 54.5–3.5 17.94N–.09 147.2E–.30 73–25 3.7b 18 5-59
ISCJB XII 02 18 39 52.3–3.7 17.96N–.08 147.2E–.30 69–28 3.7b **¶12075528**
IDC XII 02 18 39 55.7–5.2 17.97N 146.93E 73–38 4.2L,3.6
NEIC XII 02 18 39 55.6–3.1 17.89N 146.93E 75–21 4.3b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=53.0km s-min=14.1km az=178.5.
IDC Error ellipse: s-maj=60.5km s-min=15.9km az=83.0.
NEIC Event type se. Error ellipse: s-maj=59.8km s-min=12.4km az=84.0.
IDC XII 04 08 59 06.4–2.8 17.76N 147.97E 0 4.1L,3.8
¶12075713
IDC Error ellipse: s-maj=83.6km s-min=26.7km az=91.0.
ISC XII 04 18 13 34.1–6.0 15.61N–.09 147.0E–.10 13–37 3.9b 33 3-90
IDC XII 04 18 13 32.3–.87 15.59N 146.94E 0 3.9,3.9 **¶12075770**
NEIC XII 04 18 13 38.5–2.6 15.58N 146.86E 43–23 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=16.2km az=107.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=14.5km az=89.0.
ISC XII 09 03 54 41.5–5.1 15.33N–.05 144.9E–.20 34–37 4.1b,4.1s 38 2-148
ISCJB XII 09 03 54 39.9–.55 15.36N–.05 144.8E–.20 33 4.1b,4.1s **¶11653416**
IDC XII 09 03 54 41.2–6.7 15.34N 144.94E 31–51 4.1s,4.1
NEIC XII 09 03 54 41.8–.45 15.36N 144.85E 35 4.7b,4.1
GCMT XII 09 03 54 42.7–.30 15.47N 144.49E 16–1 5.0W,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=6.6km az=175.2.
IDC Error ellipse: s-maj=29.9km s-min=15.2km az=93.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=7.2km az=87.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s19,c22; s75,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.23±.21 $M_{\theta\theta}$0.07±.10; $M_{\phi\phi}$3.16±.14; $M_{r\theta}$2.06±.40; $M_{\theta\theta}$0.03±.08; $M_{\theta r}$-0.21±.29; Best double couple: NP1:ϕ_s203.00000°,δ48.00000°,λ-55.00000°. NP2:ϕ_s337.00000°,δ52.00000°,λ-123.00000°. Principal axes: T 3.1700,Plg2.0000° ,Azm89.0000°; N 1.0500,Plg26.0000°,Azm358.0000°; P -4.2300,Plg64.0000°,Azm184.0000° $M_0$3.70000×10^{16}
IDC XII 13 05 34 40.1–3.6 19.17N 146.12E 0 4.1,4.0b
¶12077237
IDC Error ellipse: s-maj=167.2km s-min=26.7km az=85.0.
ISC XII 18 17 18 20.5–.22 20.39N–.04 146.44E–.05 35 4.8b,4.1s 212 7-154
IDC XII 18 17 18 14.9–.44 20.41N 146.44E 0 4.5,4.5 **¶11593858**
ISCJB XII 18 17 18 18.5–.22 20.38N–.04 146.39E–.05 33 4.8b,4.1s

MOS XII 18 17 18 18.8–1.1 20.45N 146.45E 38 5.1b,4.1s
NEIC XII 18 17 18 18.6–2.9 20.46N 146.45E 21–20 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=10.7km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.5km az=170.6.
MOS Error ellipse: s-maj=10.6km s-min=6.5km az=106.4.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.6km az=93.0.
ISC XII 19 00 34 59.0–.20 20.38N–.03 146.32E–.04 35 4.8b,4.3s 256 7-149
IDC XII 19 00 34 53.0–.44 20.43N 146.48E 0 4.6,4.6 **¶11527726**
ISCJB XII 19 00 34 57.0–.20 20.33N–.03 146.27E–.04 33 4.8b,4.3s
MOS XII 19 00 34 57.0–1.2 20.37N 146.29E 33 4.9b,4.2s
NEIC XII 19 00 34 58.7–.18 20.37N 146.34E 35 4.9b,4.2s
GCMT XII 19 00 34 58.8–.40 20.56N 146.59E 26–1 5.0W,4.2s
BJI XII 19 00 35 00.4 20.46N 146.35E 63 5.1b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=10.5km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.1km az=160.4.
MOS Error ellipse: s-maj=11.7km s-min=6.5km az=111.4.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.8km az=87.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s18,c19; s58,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}3.33±.40 $M_{\theta\theta}$0.41±.23; $M_{\phi\phi}$-3.75±.23; $M_{r\theta}$-0.86±.56; $M_{\theta\phi}$1.89±.13; $M_{\phi r}$-0.64±.33; Best double couple: NP1:ϕ_s318.00000°,δ47.00000°,λ60.00000°. NP2:ϕ_s179.00000°,δ51.00000°,λ118.00000°. Principal axes: T 3.7500,Plg68.0000° ,Azm154.0000°; N 0.7400,Plg22.0000°,Azm340.0000°; P -4.4900,Plg2.0000°,Azm249.0000° M_o4.10000×10^{16}
ISC XII 19 00 50 56.8–8.4 20.41N–.09 146.4E–.20 15–51 4.0b 38 8-147
ISCJB XII 19 00 50 53.0–7.9 20.42N–.09 146.4E–.20 2–48 4.0b **¶12078128**
IDC XII 19 00 50 54.3–.71 20.43N 146.43E 0 4.2,4.1b
NEIC XII 19 00 50 60.0–.54 20.45N 146.31E 35 4.2,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.6km s-min=15.1km az=8.1.
IDC Error ellipse: s-maj=22.0km s-min=15.5km az=93.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=11.1km az=81.0.
ISC XII 20 17 26 41.7–3.8 16.89N–.06 147.70E–.09 25–26 4.5b 72 4-149
IDC XII 20 17 26 37.5–.67 16.88N 147.79E 0 4.6,4.5 **¶12078360**
ISCJB XII 20 17 26 38.2–5.1 16.93N–.06 147.67E–.09 12–32 4.5b,4.5
NEIC XII 20 17 26 42.6–2.9 16.88N 147.70E 33–20 4.7b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=15.6km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=9.3km az=8.5.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.2km az=101.0.
IDC XII 21 22 57 51.5–1.1 20.55N 146.71E 0 3.9,3.6
¶12078501
IDC Error ellipse: s-maj=30.9km s-min=27.3km az=98.0.
ISC XII 26 20 54 34.2–.84 21.64N–.05 143.1E–.10 328–8 3.7b 55 5-150
ISCJB XII 26 20 54 33.3–.90 21.60N–.05 143.1E–.10 334–9 3.7b **¶12079098**
NEIC XII 26 20 54 34.4–.89 21.62N 143.10E 329–9 4.0b
IDC XII 26 20 54 34.1–1.5 21.63N 143.16E 324–13 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=8.0km az=177.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.5km az=85.0.
IDC Error ellipse: s-maj=14.5km s-min=10.5km az=81.0.
ISC XII 30 10 39 39.4–1.8 16.85N–.05 147.0E–.10 67–15 3.8b 40 4-146
ISCJB XII 30 10 39 37.6–2.1 16.87N–.06 147.0E–.20 65–18 3.8b **¶12079534**
IDC XII 30 10 39 38.0–.83 16.90N 147.03E 52–7 3.9,3.8
NEIC XII 30 10 39 39.2–1.3 16.83N 147.02E 65–11 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.0km s-min=9.3km az=1.4.
IDC Error ellipse: s-maj=19.6km s-min=10.4km az=110.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.5km az=90.0.

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IDC VII 01 01 12 22.9–.92 18.40N 145.61E 0 4.5,4.1b
¶12697907
IDC Error ellipse: s-maj=44.2km s-min=23.7km az=106.0.
ISC VII 01 05 01 47.9–2.1 18.63N–.07 146.4E–.20 78–19 4.0b 25 5-147
ISCJB VII 01 05 01 47.3–2.5 18.60N–.07 146.4E–.20 87–22 4.0b **¶11799138**
IDC VII 01 05 01 48.0–3.9 18.63N 146.41E 77–35 3.9,3.8
NEIC VII 01 05 01 48.8–1.7 18.58N 146.47E 87–15 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.4km s-min=12.0km az=172.0.
IDC Error ellipse: s-maj=29.1km s-min=13.6km az=81.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=8.3km az=84.0.
IDC VII 02 01 46 27.7–1.0 16.72N 146.52E 0 4.9L,3.7
¶12697933
IDC Error ellipse: s-maj=48.0km s-min=21.0km az=107.0.
IDC VII 05 08 49 05.5–2.1 17.79N 145.68E 195–19 3.6,3.5b
¶12698020
IDC Error ellipse: s-maj=29.3km s-min=14.3km az=95.0.
ISC VII 06 11 22 31.1–.53 15.95N–.06 145.61E–.08 516–7 3.9b 96 2-148
ISCJB VII 06 11 22 30.6–.53 15.96N–.06 145.52E–.08 522–7 3.9b **¶11810785**
IDC VII 06 11 22 31.3–1.2 15.98N 145.64E 520–14 3.5,3.4
NEIC VII 06 11 22 31.5–.85 15.92N 145.62E 527–10 4.1b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=9.7km az=165.8.
IDC Error ellipse: s-maj=16.9km s-min=9.1km az=87.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.1km az=93.0.
ISC VII 06 11 37 35.3–1.1 19.06N–.09 145.2E–.20 404–13 3.8b 26 5-148
NEIC VII 06 11 37 34.8–1.1 19.05N 145.12E 397–12 4.0b **¶11810787**
ISCJB VII 06 11 37 35.5–1.1 19.05N–.09 145.1E–.20 418–13 3.8b
IDC VII 06 11 37 35.7–1.6 19.03N 145.09E 403–17 3.4,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=10.5km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=14.3km az=170.2.
IDC Error ellipse: s-maj=21.5km s-min=11.7km az=75.0.
ISC VII 09 10 51 06.1–1.6 18.18N–.10 145.4E–.20 297–17 3.7b 18 5-148
ISCJB VII 09 10 51 05.3–1.6 18.19N–.10 145.3E–.20 303–17 3.7b **¶11811074**
NEIC VII 09 10 51 05.7–1.5 18.20N 145.45E 295–15 3.7b
IDC VII 09 10 51 08.4–6.0 18.17N 145.37E 320–61 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.0km s-min=15.3km az=174.3.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=13.4km az=78.0.
IDC Error ellipse: s-maj=26.4km s-min=14.3km az=79.0.
ISC VII 10 15 52 14.6–3.0 13.5N–.10 145.9E–.10 11–16 3.9b 15 1-88
IDC VII 10 15 52 13.3–1.2 13.51N 145.85E 0 4.0,3.8b **¶11811181**
ISCJB VII 10 15 52 15.0–3.6 13.4N–.10 146.0E–.20 27–22 3.9b,3.8b
NEIC VII 10 15 52 15.9–4.0 13.46N 145.83E 18–21 4.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=19.3km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=15.2km az=156.9.
NEIC Event type se. Error ellipse: s-maj=33.4km s-min=13.2km az=86.0.
IDC VII 10 16 31 46.1–2.5 18.65N 146.83E 0 3.8,3.7b
¶12698121
IDC Error ellipse: s-maj=114.1km s-min=23.6km az=86.0.
ISC VII 11 20 30 32.4–.94 18.89N–.05 145.5E–.10 213–8 3.8b 23 5-148
IDC VII 11 20 30 30.9–3.1 18.85N 145.56E 202–30 3.7,3.5b **¶11811291**
ISCJB VII 11 20 30 32.0–.98 18.87N–.05 145.5E–.10 225–9 3.8b,3.5b
NEIC VII 11 20 30 33.8–1.3 18.80N 145.50E 230–12 4.2b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=11.5km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=7.4km az=173.8.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.7km az=90.0.
ISC VII 12 03 45 12.6–2.2 18.84N–.08 145.4E–.20 180–18 3.8b 21 9-87
ISCJB VII 12 03 45 12.3–2.3 18.84N–.08 145.3E–.20 193–19 3.6b **¶11811328**
IDC VII 12 03 45 12.1–3.1 18.86N 145.48E 177–28 3.7,3.6
NEIC VII 12 03 45 15.6–2.7 18.83N 145.38E 212–26 3.9b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.2km s-min=12.4km az=177.1.
IDC Error ellipse: s-maj=28.4km s-min=11.8km az=92.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=8.0km az=89.0.
IDC VII 12 21 06 35.6–5.9 18.49N 146.57E 0 3.8,3.7
¶12698172
IDC Error ellipse: s-maj=199.7km s-min=22.3km az=80.0.
IDC VII 14 11 20 01.1–.88 19.63N 145.34E 0 4.1,3.9b
¶12698210
IDC Error ellipse: s-maj=37.0km s-min=18.8km az=95.0.
IDC VII 15 04 56 48.6–1.6 20.87N 145.48E 0 3.9,3.8s
¶12698223
IDC Error ellipse: s-maj=46.8km s-min=28.0km az=87.0.
ISC VII 15 12 07 12.6–.68 13.7N–.10 144.9E–.20 127–6 3.7b 21 0-144
ISCJB VII 15 12 07 11.6–.68 13.7N–.10 144.7E–.20 130–5 3.6b **¶11811651**
IDC VII 15 12 07 12.0–.72 13.70N 144.95E 123–5 3.6,3.5
NEIC VII 15 12 07 12.6–.91 13.67N 144.86E 131–8 4.0b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.7km s-min=22.0km az=145.1.
IDC Error ellipse: s-maj=31.9km s-min=21.4km az=80.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=19.4km az=69.0.
ISC VII 16 19 07 11.4–1.0 16.53N–.05 146.04E–.07 107–10 4.4b 55 3-147
ISCJB VII 16 19 07 10.3–1.1 16.53N–.05 146.03E–.07 113–10 4.4b **¶11480018**
BJI VII 16 19 07 11.6 16.50N 146.00E 121 4.7b,4.4b
IDC VII 16 19 07 11.8–1.6 16.52N 145.91E 113–16 4.1,4.0
NEIC VII 16 19 07 12.7–1.6 16.49N 146.02E 121–15 4.5b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=8.8km az=174.5.
IDC Error ellipse: s-maj=17.7km s-min=10.4km az=86.0.
NEIC Event type fe. Error ellipse: s-maj=10.4km s-min=9.3km az=211.0. Felt on Saipan.
IDC VII 16 19 28 53.1–.85 13.83N 144.81E 115–6 3.6,3.4b
NEIC VII 16 19 28 53.6–1.0 13.83N 144.83E 121–8 3.6,3.4b **¶11811773**
IDC Error ellipse: s-maj=43.6km s-min=22.3km az=96.0.
NEIC Event type se. Error ellipse: s-maj=41.7km s-min=21.2km az=99.0.
ISC VII 17 21 56 03.6–1.4 18.80N–.07 145.4E–.10 224–14 3.8b 29 5-148
ISCJB VII 17 21 56 02.3–1.4 18.81N–.07 145.4E–.10 226–14 3.8b **¶11811869**
IDC VII 17 21 56 04.9–3.2 18.76N 145.41E 236–31 3.7,3.5
NEIC VII 17 21 56 04.6–1.1 18.81N 145.38E 234–10 4.0b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=11.3km az=177.9.
IDC Error ellipse: s-maj=28.6km s-min=15.4km az=99.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.7km az=88.0.
IDC VII 18 09 34 44.5–1.1 13.98N 144.97E 159–3 3.5,3.3b
¶12698286
IDC Error ellipse: s-maj=143.3km s-min=19.5km az=108.0.
ISC VII 19 03 30 08.3–1.5 19.02N–.09 145.3E–.20 237–15 3.7b 17 5-148
ISCJB VII 19 03 30 07.8–1.6 19.03N–.09 145.3E–.20 246–15 3.7b **¶11812014**
IDC VII 19 03 30 09.4–2.5 19.08N 145.30E 247–24 3.7,3.5b
NEIC VII 19 03 30 09.3–1.4 19.04N 145.33E 249–13 3.8b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.6km s-min=14.2km az=1.8.
IDC Error ellipse: s-maj=23.8km s-min=11.7km az=92.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=9.9km az=91.0.
IDC VII 19 10 01 53.0–1.9 18.69N 145.89E 0 4.0,3.7b
¶12698316
IDC Error ellipse: s-maj=182.5km s-min=23.8km az=114.0.
ISC VII 20 04 17 18.7–1.3 17.3N–.20 145.6E–.20 314–19 3.6b 17 4-148
ISCJB VII 20 04 17 17.9–1.3 17.4N–.20 145.6E–.20 319–19 3.6b **¶11812131**
IDC VII 20 04 17 18.2–1.3 17.41N 145.58E 303–16 3.4,3.3b
NEIC VII 20 04 17 19.1–1.3 17.39N 145.57E 316–15 4.0b,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.9km s-min=22.3km az=140.9.
IDC Error ellipse: s-maj=20.1km s-min=16.2km az=121.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=17.4km az=146.0.
ISC VII 21 02 01 25.2–2.1 19.0N–.10 145.4E–.30 161–21 3.8b 10 5-86
ISCJB VII 21 02 01 24.1–2.2 19.0N–.10 145.3E–.30 167–22 3.8b **¶11812229**
NEIC VII 21 02 01 24.9–1.6 19.02N 145.26E 160–16 4.2b
IDC VII 21 02 01 30.3–7.2 19.03N 145.28E 212–71 3.6,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=42.3km s-min=16.6km az=174.8.
NEIC Event type se. Error ellipse: s-maj=31.8km s-min=12.0km az=89.0.
IDC Error ellipse: s-maj=35.5km s-min=15.2km az=94.0.
ISC VII 21 13 00 47.9–1.2 19.08N–.06 145.5E–.20 205–11 3.5b 16 5-86
ISCJB VII 21 13 00 48.1–1.3 19.05N–.06 145.5E–.20 224–12 3.5b **¶11812266**
IDC VII 21 13 00 49.2–2.3 19.01N 145.56E 221–23 3.5,3.4
NEIC VII 21 13 00 50.7–1.9 19.01N 145.53E 236–19 4.2b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=9.2km az=171.5.
IDC Error ellipse: s-maj=22.1km s-min=14.5km az=79.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=15.1km az=84.0.
ISC VII 23 14 10 53.7–.84 18.88N–.04 145.4E–.10 234–8 3.8b 57 5-148
ISCJB VII 23 14 10 53.1–.84 18.88N–.04 145.4E–.10 245–8 3.8b **¶11812441**
IDC VII 23 14 10 54.3–.83 18.85N 145.42E 244–8 3.7,3.6
NEIC VII 23 14 10 54.5–.31 18.88N 145.41E 246 4.4b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=5.6km az=175.5.
IDC Error ellipse: s-maj=17.8km s-min=8.8km az=86.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.8km az=88.0.
NEIC VII 26 01 50 19.3–4.6 18.67N 145.53E 265–45 4.0b
IDC VII 26 01 50 20.5–7.0 18.74N 145.59E 273–69 3.5,3.3b **¶11812624**
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.9km az=90.0.
IDC Error ellipse: s-maj=24.2km s-min=16.0km az=97.0.
ISC VII 28 14 55 25.5–.88 18.71N–.09 145.5E–.20 580–12 3.6b 25 5-87
NEIC VII 28 14 55 24.4–.97 18.76N 145.86E 584–11 4.0b **¶11812784**
ISCJB VII 28 14 55 25.1–.84 18.72N–.09 145.4E–.20 589–12 3.6b
IDC VII 28 14 55 25.7–1.2 18.70N 145.54E 584–15 3.3,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.8km s-min=10.6km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=30.4km s-min=13.4km az=177.4.
IDC Error ellipse: s-maj=26.2km s-min=12.8km az=86.0.
ISC VII 31 16 00 20.3–.68 18.03N–.05 145.52E–.07 291–8 4.1b 91 4-148
BJI VII 31 16 00 12.6 17.57N 146.29E 294 4.4b,4.3b **¶11154042**
ISCJB VII 31 16 00 19.6–.70 18.03N–.05 145.53E–.07 300–8 4.1b,4.3b
MOS VII 31 16 00 20.6–.90 18.05N 145.48E 311 4.2b,4.3b
IDC VII 31 16 00 20.6–1.1 18.00N 145.48E 299–12 3.8b,3.8
NEIC VII 31 16 00 21.4–1.0 18.05N 145.47E 304–11 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=8.5km az=11.3.
MOS Error ellipse: s-maj=15.5km s-min=7.2km az=105.3.
IDC Error ellipse: s-maj=14.6km s-min=9.7km az=89.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=9.3km az=146.0.
ISC VIII 01 10 23 16.0–2.0 18.8N–.10 145.5E–.20 205–22 3.5b 15 5-87
ISCJB VIII 01 10 23 15.4–2.2 18.8N–.10 145.4E–.20 214–23 3.5b **¶11907665**
IDC VIII 01 10 23 15.2–2.8 18.88N 145.46E 196–31 3.5,3.4
NEIC VIII 01 10 23 16.8–1.6 18.85N 145.45E 213–17 4.0b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.8km s-min=21.7km az=179.9.
IDC Error ellipse: s-maj=24.6km s-min=22.6km az=67.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=14.1km az=91.0.
ISC VIII 01 15 51 36.5–3.3 18.2N–.10 146.8E–.30 69–30 3.8b 11 5-88
IDC VIII 01 15 51 20.8–10 16.98N 146.88E 0 4.0,3.9b **¶11907672**
ISCJB VIII 01 15 51 34.2–3.7 18.3N–.10 146.8E–.30 63–33 3.9b,3.9b
NEIC VIII 01 15 51 36.5–2.6 18.19N 146.74E 70–24 4.0b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=288.1km s-min=52.7km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=51.2km s-min=22.1km az=7.4.
NEIC Event type se. Error ellipse: s-maj=38.3km s-min=17.5km az=91.0.
ISC VIII 01 19 08 33.4–1.2 18.98N–.07 145.4E–.20 234–13 3.8b 30 5-148
ISCJB VIII 01 19 08 32.5–1.3 19.01N–.07 145.4E–.20 239–13 3.8b **¶11907679**
NEIC VIII 01 19 08 32.7–1.4 19.00N 145.47E 228–13 4.3b
IDC VIII 01 19 08 34.8–2.5 19.00N 145.39E 246–25 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.4km s-min=11.4km az=175.4.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=9.4km az=84.0.
IDC Error ellipse: s-maj=19.4km s-min=11.7km az=83.0.
ISC VIII 03 02 41 47.3–4.1 18.8N–.10 145.6E–.20 289–38 3.5b 16 19-87

ISCJB VIII 03 02 41 45.5–4.6 18.8N–.10 145.5E–.20 285–42 3.5b **¶11907725**
IDC VIII 03 02 41 45.6–12 18.79N 145.62E 272–120 3.4,3.2b
NEIC VIII 03 02 41 47.1–4.0 18.77N 145.57E 287–38 3.8b,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.8km s-min=24.0km az=176.4.
IDC Error ellipse: s-maj=34.4km s-min=23.0km az=70.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=17.5km az=86.0.
IDC VIII 03 23 17 04.2–4.7 20.76N 144.53E 0 3.9,3.8b
¶12580915
IDC Error ellipse: s-maj=122.5km s-min=46.0km az=3.0.
ISC VIII 05 17 44 10.2–1.1 13.10N–.10 144.0E–.20 135–15 3.6b 13 1-70
ISCJB VIII 05 17 44 09.0–.99 13.12N–.10 144.0E–.20 143–14 3.6b **¶11907800**
NEIC VIII 05 17 44 10.1–.97 13.11N 143.99E 135–12 4.3b
IDC VIII 05 17 44 10.0–.97 13.11N 144.03E 135–14 3.3,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=38.5km s-min=16.3km az=176.7.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=11.2km az=88.0.
IDC Error ellipse: s-maj=36.1km s-min=18.4km az=83.0.
ISC VIII 07 01 10 56.8–2.6 19.1N–.10 145.7E–.20 148–28 3.9b 22 6-98
ISCJB VIII 07 01 10 55.8–2.8 19.1N–.10 145.7E–.20 152–29 3.9b **¶11907846**
NEIC VIII 07 01 10 55.4–2.4 19.12N 145.77E 135–26 4.0b
IDC VIII 07 01 10 57.3–4.6 19.04N 145.70E 154–52 3.9,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.3km s-min=20.7km az=156.2.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=20.4km az=54.0.
IDC Error ellipse: s-maj=43.6km s-min=21.9km az=29.0.
ISC VIII 10 18 16 39.8–4.0 15.9N–.20 146.6E–.30 50–36 3.8b 10 3-90
IDC VIII 10 18 16 33.4–1.3 15.97N 146.36E 0 3.9,3.8b **¶11908052**
ISCJB VIII 10 18 16 38.3–3.8 15.9N–.20 146.5E–.30 52–34 3.8b,3.8b
NEIC VIII 10 18 16 41.1–3.7 15.80N 146.41E 61–33 3.8b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=20.6km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=48.7km s-min=26.5km az=17.5.
NEIC Event type se. Error ellipse: s-maj=47.8km s-min=28.7km az=89.0.
ISC VIII 10 18 47 40.8–1.6 15.81N–.07 146.75E–.09 45–15 4.4b,3.9s 66 3-153
MOS VIII 10 18 47 37.1–.84 15.73N 146.74E 33 5.0b,3.9s **¶11163336**
ISCJB VIII 10 18 47 39.6–1.8 15.84N–.07 146.70E–.09 48–16 4.4b,3.9s
BJI VIII 10 18 47 40.4 16.26N 146.92E 45 4.8b,4.6b
NEIC VIII 10 18 47 42.5–1.6 15.69N 146.71E 66–15 4.5b,4.6b
IDC VIII 10 18 47 42.3–2.1 15.80N 146.65E 59–20 4.3L,4.1
ISC Event type se.
MOS Error ellipse: s-maj=19.2km s-min=9.8km az=114.4.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=11.1km az=12.5.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.8km az=79.0.
IDC Error ellipse: s-maj=17.2km s-min=13.8km az=111.0.
ISC VIII 10 21 22 21.7–5.5 15.85N–.07 146.8E–.10 29–38 4.0b,3.6s 35 3-146
IDC VIII 10 21 22 17.4–.80 15.91N 146.75E 0 4.0,3.9 **¶11908058**
ISCJB VIII 10 21 22 20.7–2.6 15.87N–.08 146.8E–.10 35–23 4.0b,3.6s
NEIC VIII 10 21 22 22.5–1.8 15.85N 146.77E 35–16 4.2b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=18.7km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=13.6km az=174.7.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.5km az=70.0.
ISC VIII 13 03 35 17.8–.89 13.8N–.40 144.8E–.20 136–13 3.7b 15 0-148
NEIC VIII 13 03 35 18.0–.80 13.90N 144.84E 136–9 4.1b **¶11908133**
IDC VIII 13 03 35 17.1–.49 14.01N 144.92E 126–14 3.7,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=16.3km az=204.0.
IDC Error ellipse: s-maj=49.1km s-min=26.8km az=22.0.
ISC VIII 14 00 06 39.0–.62 16.46N–.02 146.98E–.02 39–5 5.4b,4.7s 934 4-169
IDC VIII 14 00 06 32.6–.38 16.48N 147.04E 0 5.2,5.2b **¶11165617**
ISCJB VIII 14 00 06 35.5–.97 16.46N–.02 146.95E–.02 25–6 5.4b,4.7s
MOS VIII 14 00 06 36.5–.90 16.51N 146.91E 33 5.6b,4.7s
BJI VIII 14 00 06 37.4 16.52N 147.26E 54 5.1b,5.0b
GCMT VIII 14 00 06 39.6–.30 16.31N 147.17E 29–1 5.1W,5.0b
TEH VIII 14 00 06 39.0 16.46N 146.96E 43 5.1W,5.0b
NEIC VIII 14 00 06 40.2–.83 16.43N 146.93E 53–7 5.5b,4.8s
DJA VIII 14 00 06 50 16.14N 146.75E 127 5.3b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=8.2km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.6km az=167.5.
MOS Error ellipse: s-maj=7.7km s-min=5.1km az=94.8.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s36,c57; s77,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.75±.20 $M_{\theta\theta}$-2.19±.14; $M_{\phi\phi}$4.94±.15; $M_{r\theta}$-0.54±.27; $M_{\theta\phi}$1.97±.14; $M_{\phi r}$3.58±.29; Best double couple: NP1:ϕ_s50.00000°,δ36.00000°,λ-33.00000°. NP2:ϕ_s168.00000°,δ71.00000°,λ-122.00000°. Principal axes: T 6.6600,Plg20.0000° ,Azm281.0000°; N -1.8600,Plg30.0000°,Azm179.0000°; P -4.8000,Plg53.0000° ,Azm40.0000° M_o5.70000×10^{16}
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=3.1km az=134.0.
ISC VIII 14 05 15 28.6–.77 13.8N–.10 144.8E–.20 140–7 3.5b 11 0-148
ISCJB VIII 14 05 15 27.1–.78 13.8N–.10 144.8E–.20 145–7 3.5b **¶11908195**
NEIC VIII 14 05 15 28.9–.81 13.79N 144.73E 140–8 4.1b
IDC VIII 14 05 15 28.4–.60 13.80N 144.71E 132–7 3.4,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.8km s-min=21.9km az=16.3.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=15.1km az=104.0.
IDC Error ellipse: s-maj=38.2km s-min=21.7km az=99.0.
ISC VIII 15 21 33 55.0–2.7 15.7N–.10 146.9E–.20 59–24 4.0b 20 3-90
ISCJB VIII 15 21 33 53.4–2.8 15.8N–.10 146.9E–.20 60–24 4.0b **¶11908276**
NEIC VIII 15 21 33 53.9–2.6 15.77N 146.89E 50–23 4.3b
IDC VIII 15 21 33 55.6–3.5 15.77N 146.83E 61–31 3.7,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.7km s-min=17.2km az=9.1.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=15.5km az=84.0.
IDC Error ellipse: s-maj=30.4km s-min=16.6km az=93.0.
IDC VIII 17 06 27 02.8–6.1 19.48N 145.44E 262–58 3.3,3.1b
¶12581146
IDC Error ellipse: s-maj=39.5km s-min=23.5km az=89.0.
ISC VIII 17 16 55 47.2–.47 18.13N–.05 146.6E–.10 35 4.1b 26 5-147
IDC VIII 17 16 55 41.7–.71 18.04N 146.53E 0 4.1,4.0b **¶11908363**
ISCJB VIII 17 16 55 45.2–.46 18.10N–.05 146.6E–.10 33 4.1b,4.0b
NEIC VIII 17 16 55 48.5–1.8 18.02N 146.58E 49–18 4.5b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=17.3km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=7.0km az=6.8.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=10.4km az=66.0.
IDC VIII 18 23 45 50.6–11 14.12N 145.32E 0 3.7,3.5b
¶12581185
IDC Error ellipse: s-maj=441.4km s-min=32.1km az=80.0.
ISC VIII 20 05 36 52.1–2.3 18.86N–.08 146.6E–.20 62–22 4.0b 16 5-87
IDC VIII 20 05 36 43.9–.94 18.92N 146.61E 0 4.1,4.0 **¶11908474**
ISCJB VIII 20 05 36 49.9–2.9 18.84N–.09 146.6E–.20 58–26 4.0b,3.0s
NEIC VIII 20 05 36 52.8–2.1 18.81N 146.59E 70–20 4.0b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=19.6km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=30.1km s-min=14.4km az=175.5.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=13.0km az=83.0.
ISC VIII 20 07 04 47.3–2.3 18.88N–.07 146.6E–.20 48–20 4.1b 25 6-133
IDC VIII 20 07 04 40.7–.77 18.86N 146.67E 0 4.3L,4.2 **¶11908477**
ISCJB VIII 20 07 04 45.1–2.8 18.86N–.07 146.6E–.20 43–24 4.1b,4.2
NEIC VIII 20 07 04 47.0–1.7 18.83N 146.56E 46–15 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=13.8km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=32.3km s-min=12.2km az=178.2.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=8.7km az=87.0.
IDC VIII 21 16 29 21.0–4.8 15.93N 145.78E 220–97 3.2,3.1
¶12581264
IDC Error ellipse: s-maj=136.9km s-min=40.9km az=177.0.
ISC VIII 22 14 31 33.7–2.2 18.8N–.10 145.6E–.30 208–23 3.3b 12 5-148
ISCJB VIII 22 14 31 33.1–2.3 18.8N–.10 145.5E–.30 218–24 3.3b **¶11908590**
IDC VIII 22 14 31 35.0–3.2 18.82N 145.92E 234–32 3.3,3.1b
NEIC VIII 22 14 31 34.6–2.0 18.84N 145.62E 222–20 3.3,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=39.4km s-min=23.0km az=179.7.
IDC Error ellipse: s-maj=33.0km s-min=18.3km az=91.0.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=18.6km az=87.0.
ISC VIII 23 21 41 37.0–.71 13.43N–.10 144.7E–.20 149–7 3.9b 16 0-135
ISCJB VIII 23 21 41 35.6–.72 13.43N–.10 144.7E–.20 154–7 3.9b **¶11908661**
IDC VIII 23 21 41 36.7–.50 13.45N 144.70E 147–5 3.7,3.6b
NEIC VIII 23 21 41 37.1–.72 13.43N 144.65E 151–7 4.3b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.6km s-min=15.6km az=170.4.
IDC Error ellipse: s-maj=27.3km s-min=13.1km az=86.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=10.5km az=80.0.
ISC VIII 25 05 40 55.6–2.5 19.1N–.10 145.7E–.20 124–25 3.8b 17 6-148
ISCJB VIII 25 05 40 54.7–2.6 19.1N–.10 145.6E–.20 131–26 3.7b **¶11908735**
NEIC VIII 25 05 40 55.0–2.4 19.13N 145.67E 120–23 3.7b
IDC VIII 25 05 40 55.4–3.7 19.12N 145.66E 122–34 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.6km s-min=20.7km az=171.9.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=18.7km az=101.0.
IDC Error ellipse: s-maj=21.8km s-min=17.1km az=94.0.
ISC VIII 25 15 28 40.9–.55 13.83N–.08 144.91E–.07 110–5 4.1b 99 0-148
IDC VIII 25 15 28 39.8–.59 13.83N 145.11E 108–4 3.9,3.9 **¶11813474**
ISCJB VIII 25 15 28 40.0–.57 13.82N–.08 144.82E–.07 115–5 4.1b,3.9
NEIC VIII 25 15 28 40.4–.88 13.77N 145.13E 120–7 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=13.2km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=10.8km az=0.6.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.6km az=92.0.
IDC VIII 26 06 52 58.8–.69 18.59N 145.78E 0 4.1,3.9b
¶12581428
IDC Error ellipse: s-maj=32.5km s-min=16.1km az=105.0.
ISC VIII 26 23 00 57.4–.88 18.4N–.10 144.9E–.20 600 3.6b 14 22-148
NEIC VIII 26 23 00 55.9–3.6 18.47N 144.99E 586–43 4.0b **¶11908885**
IDC VIII 26 23 00 55.9–12 18.48N 144.99E 586–152 3.3,3.0b
ISCJB VIII 26 23 00 56.1–.88 18.4N–.10 144.8E–.20 600 3.6b,3.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 28 08 17 34.5–.11 17.59N–.03 145.67E–.02 228 4.8b 470 4-157
ISCJB VIII 28 08 17 32.9–.11 17.59N–.02 145.63E–.02 226 4.8b **¶11232347**
MOS VIII 28 08 17 32.8–1.3 17.64N 145.59E 233 4.5b
NEIC VIII 28 08 17 33.2–.16 17.59N 145.67E 220 4.9b
IDC VIII 28 08 17 35.4–.58 17.60N 145.75E 247–5 4.5,4.4
DJA VIII 28 08 17 40 17.51N 145.77E 294 5.3b,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=143.5.
MOS Error ellipse: s-maj=11.0km s-min=6.8km az=88.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.2km az=116.0. Felt at Merizo, Guam.
IDC Error ellipse: s-maj=11.5km s-min=7.2km az=94.0.
IDC VIII 28 20 56 07.8–2.1 13.88N 145.48E 89–14 3.5,3.3b
¶12581515
IDC Error ellipse: s-maj=50.3km s-min=27.5km az=99.0.
IDC VIII 29 06 32 27.2–6.0 18.94N 144.93E 0 3.8,3.7b
¶12581536
IDC Error ellipse: s-maj=245.1km s-min=22.9km az=80.0.
IDC VIII 30 04 09 33.3–.83 13.84N 144.93E 149–3 3.4,3.2b
¶12581561
IDC Error ellipse: s-maj=43.6km s-min=17.5km az=98.0.
ISC IX 05 19 14 02.1–.89 17.73N–.09 145.3E–.20 10 3.6b 13 4-84
ISCJB IX 05 19 13 59.7–1.0 17.71N–.10 145.4E–.20 10 3.6b **¶11909547**
IDC IX 05 19 14 00.6–1.1 17.68N 145.29E 0 3.9,3.7
NEIC IX 05 19 14 02.1–.84 17.68N 145.26E 10 3.9b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.2km s-min=13.9km az=3.2.
IDC Error ellipse: s-maj=33.7km s-min=22.9km az=98.0.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=15.5km az=98.0.
IDC IX 10 09 40 37.1–1.4 13.69N 144.86E 95–6 3.2,3.0b
¶11909944
IDC Error ellipse: s-maj=83.0km s-min=24.0km az=84.0.
IDC IX 11 07 59 05.5–2.6 14.25N 144.92E 48–23 3.8,3.5b
¶11910037
IDC Error ellipse: s-maj=112.5km s-min=27.9km az=107.0.
IDC IX 12 06 08 33.8–8.0 18.73N 145.41E 446–97 3.2,3.1
¶11910093
IDC Error ellipse: s-maj=31.1km s-min=17.8km az=74.0.
IDC IX 13 08 37 20.1–1.4 18.15N 145.43E 0 3.9,3.7s
¶11910164
IDC Error ellipse: s-maj=164.7km s-min=25.1km az=113.0.
IDC IX 13 21 28 44.0–8.3 19.58N 145.31E 219–84 3.5,3.2
¶11910207
IDC Error ellipse: s-maj=45.4km s-min=14.9km az=97.0.
IDC IX 17 02 03 33.4–2.4 13.04N 145.30E 54–17 3.6,3.3b
¶11910440
IDC Error ellipse: s-maj=43.0km s-min=24.4km az=89.0.
IDC IX 17 03 05 01.6–2.9 14.25N 144.70E 89–21 3.5,3.2b
¶11910444
IDC Error ellipse: s-maj=105.4km s-min=21.6km az=113.0.
IDC IX 17 15 08 11.7–1.2 18.63N 146.43E 0 4.2,4.0
¶11910485
IDC Error ellipse: s-maj=124.4km s-min=18.8km az=111.0.
ISC IX 17 21 32 05.4–.11 18.64N–.02 145.62E–.02 200 4.7b 572 5-157
BJI IX 17 21 31 57.1 18.21N 146.46E 201 4.7b,4.5b **¶11279487**
ISCJB IX 17 21 32 03.8–.10 18.61N–.02 145.60E–.02 198 4.7b,4.5b
MOS IX 17 21 32 04.3–.90 18.62N 145.40E 213 4.9b,4.5b
IDC IX 17 21 32 06.0–.68 18.60N 145.70E 218–5 4.3,4.3
NEIC IX 17 21 32 05.0–.13 18.59N 145.60E 201 4.9b,4.3
DJA IX 17 21 32 05 18.56N 145.91E 213 5.2b,4.3
GCMT IX 17 21 32 07.2–.40 18.64N 145.87E 195–4 5.0W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.6km az=139.3.
MOS Error ellipse: s-maj=10.4km s-min=5.8km az=94.1.
IDC Error ellipse: s-maj=12.1km s-min=7.9km az=93.0.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.5km az=131.0.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s16,c18; s70,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}0.30±.17 $M_{\theta\theta}$0.84±.19; $M_{\phi\phi}$-1.15±.18; $M_{r\theta}$-3.10±.13; $M_{\theta\phi}$0.85±.19; $M_{\phi r}$1.44±.13; Best double couple: NP1:ϕ_s200.00000°,δ21.00000°,λ174.00000°. NP2:ϕ_s297.00000°,δ88.00000°,λ69.00000°. Principal axes: T 3.7100,Plg44.0000° ,Azm186.0000°; N -0.0900,Plg21.0000°,Azm297.0000°; P -3.6300,Plg39.0000° ,Azm46.0000° M_o3.70000×10^{16}
ISC IX 18 17 23 13.2–.75 13.78N–.08 145.0E–.20 140–5 3.8b 18 0-148
ISCJB IX 18 17 23 12.1–.77 13.76N–.08 145.0E–.20 144–5 3.8b **¶11910567**
IDC IX 18 17 23 12.6–.65 13.77N 145.07E 136–3 3.8,3.7b
NEIC IX 18 17 23 13.4–.78 13.79N 145.03E 143–7 4.0b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=13.0km az=174.3.
IDC Error ellipse: s-maj=22.4km s-min=11.7km az=91.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=9.1km az=85.0.
IDC IX 19 05 16 32.1–3.9 17.49N 145.53E 166–33 3.7,3.3b
¶11910605
IDC Error ellipse: s-maj=113.7km s-min=23.5km az=113.0.
ISC IX 19 06 47 40.6–1.4 18.99N–.07 145.5E–.20 228–13 3.6b 24 5-148
ISCJB IX 19 06 47 39.4–1.3 19.03N–.06 145.4E–.20 230–12 3.6b **¶11910609**
IDC IX 19 06 47 40.9–2.2 18.99N 145.41E 232–21 3.7,3.5b
NEIC IX 19 06 47 44.9–1.4 18.90N 145.45E 271–14 3.7b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.6km s-min=9.0km az=173.2.
IDC Error ellipse: s-maj=25.0km s-min=11.7km az=91.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=10.3km az=79.0.
ISC IX 19 19 18 13.1–.74 13.25N–.09 144.2E–.20 125–12 4.2b 28 1-145
ISCJB IX 19 19 18 11.9–.69 13.25N–.09 144.2E–.20 132–11 4.0b **¶11910646**

IDC IX 19 19 18 13.1–.67 13.27N 144.19E 122–11 3.7,3.7
NEIC IX 19 19 18 13.1–.78 13.25N 144.13E 125–9 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.3km s-min=13.1km az=167.2.
IDC Error ellipse: s-maj=32.2km s-min=13.2km az=74.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.5km az=72.0.
ISC IX 20 09 47 44.2–1.2 16.0N–.10 145.6E–.20 284–13 3.6b 15 2-89
ISCJB IX 20 09 47 43.6–1.2 16.0N–.10 145.5E–.20 293–12 3.6b **¶11910690**
IDC IX 20 09 47 43.8–1.1 16.00N 145.59E 280–12 3.6,3.5
NEIC IX 20 09 47 44.7–1.0 16.01N 145.59E 290–11 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.6km s-min=21.2km az=173.0.
IDC Error ellipse: s-maj=24.8km s-min=16.0km az=77.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=14.8km az=80.0.
IDC IX 20 13 42 47.0–8.6 14.42N 145.20E 0 3.4,3.2b
¶11910705
IDC Error ellipse: s-maj=318.3km s-min=32.1km az=80.0.
ISC IX 20 17 32 43.6–2.5 19.0N–.20 145.3E–.20 226–29 3.3b 11 5-86
ISCJB IX 20 17 32 42.9–2.6 19.0N–.20 145.3E–.20 232–30 3.3b **¶11910713**
IDC IX 20 17 32 42.8–2.6 19.02N 145.36E 218–29 3.3,3.1b
NEIC IX 20 17 32 44.1–2.2 19.03N 145.31E 231–25 3.3,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=38.6km s-min=28.8km az=167.9.
IDC Error ellipse: s-maj=28.2km s-min=21.2km az=80.0.
NEIC Event type se. Error ellipse: s-maj=29.3km s-min=22.9km az=76.0.
ISC IX 20 21 18 01.6–1.0 16.3N–.20 145.7E–.20 518–10 3.2b 12 3-85
ISCJB IX 20 21 18 00.9–1.0 16.4N–.20 145.7E–.20 523–10 3.2b **¶11910732**
IDC IX 20 21 18 00.9–.99 16.37N 145.79E 511–11 3.0,2.8
NEIC IX 20 21 18 02.4–1.0 16.33N 145.74E 530–12 3.0,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.5km s-min=22.3km az=16.9.
IDC Error ellipse: s-maj=28.8km s-min=17.2km az=115.0.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=16.6km az=108.0.
ISC IX 22 13 38 20.2–.78 13.89N–.07 145.2E–.10 94–7 4.0b 30 0-148
ISCJB IX 22 13 38 19.3–.75 13.88N–.07 145.2E–.10 101–6 4.0b **¶11910828**
IDC IX 22 13 38 19.2–.79 13.93N 145.30E 86–6 4.0s,4.0
NEIC IX 22 13 38 20.2–.95 13.90N 145.21E 97–8 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=12.1km az=7.0.
IDC Error ellipse: s-maj=23.1km s-min=12.4km az=97.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=9.5km az=99.0.
IDC IX 24 20 20 03.4–3.6 14.16N 145.96E 84–92 3.7,3.6b
¶11910957
IDC Error ellipse: s-maj=226.3km s-min=42.8km az=170.0.
ISC IX 25 19 00 20.5–.72 13.28N–.10 144.5E–.20 142–7 3.7b 13 0-148
ISCJB IX 25 19 00 19.1–.74 13.26N–.10 144.5E–.20 144–8 3.7b **¶11911031**
IDC IX 25 19 00 20.2–.48 13.28N 144.50E 135–5 3.6,3.5
NEIC IX 25 19 00 20.6–.90 13.29N 144.49E 142–9 4.6b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.5km s-min=16.2km az=173.7.
IDC Error ellipse: s-maj=24.3km s-min=13.7km az=85.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=12.6km az=80.0.
IDC IX 26 08 42 51.6–.95 19.42N 145.85E 0 4.1,3.9
¶11911079
IDC Error ellipse: s-maj=38.1km s-min=21.3km az=98.0.
IDC IX 26 10 54 45.6–1.3 15.37N 146.11E 0 3.7,3.5b
¶11911083
IDC Error ellipse: s-maj=49.9km s-min=24.2km az=96.0.
ISC IX 29 11 43 19.8–.67 14.40N–.08 144.3E–.10 35 3.7b,3.0s 10 1-149
IDC IX 29 11 43 14.9–.98 14.38N 144.26E 0 3.9,3.7 **¶11911335**
NEIC IX 29 11 43 16.4–.57 14.40N 144.28E 10 3.9,3.7
ISCJB IX 29 11 43 18.0–.67 14.42N–.09 144.2E–.10 33 3.7b,3.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 29 22 32 29.7–6.3 15.86N–.06 145.6E–.20 29–45 3.8b 25 2-69
IDC IX 29 22 32 25.5–2.6 15.93N 145.62E 0 3.9,3.9L **¶11911406**
ISCJB IX 29 22 32 28.1–.76 15.88N–.05 145.7E–.10 33 3.8b,3.9L
NEIC IX 29 22 32 30.3–.52 15.90N 145.63E 35 4.2b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=86.6km s-min=18.9km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=7.4km az=178.8.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=6.5km az=81.0.
ISC X 01 02 30 46.4–.97 18.82N–.06 145.6E–.10 216–10 4.0b 61 5-148
ISCJB X 01 02 30 45.2–.95 18.88N–.05 145.5E–.10 216–9 4.0b **¶11911520**
NEIC X 01 02 30 47.0–1.3 18.80N 145.59E 223–13 4.3b
IDC X 01 02 30 46.4–1.6 18.85N 145.55E 215–16 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=7.5km az=174.9.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.3km az=85.0.
IDC Error ellipse: s-maj=16.6km s-min=9.1km az=92.0.
IDC X 01 05 04 39.1–3.1 18.94N 145.87E 0 4.1,3.8b
¶11911531
IDC Error ellipse: s-maj=228.5km s-min=29.6km az=123.0.
ISC X 04 13 35 13.7–.12 17.68N–.03 145.66E–.02 195 4.6b 583 16-148
BJI X 04 13 35 03.1 16.88N 146.63E 195 4.7b,4.5b **¶11328051**
DJA X 04 13 35 10 17.66N 145.87E 171 5.2b,4.5b
MOS X 04 13 35 11.7–1.1 17.68N 145.49E 202 4.5b,4.5b
ISCJB X 04 13 35 12.1–.12 17.69N–.03 145.59E–.02 193 4.6b,4.5b
NEIC X 04 13 35 12.7–.16 17.63N 145.65E 193 4.7b,4.5b
IDC X 04 13 35 13.2–.57 17.66N 145.57E 198–5 4.4,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=10.2km s-min=6.2km az=101.3.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.0km az=157.2.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=4.2km az=136.0. Recorded [1 JMA] in the Chichijima-retto, Japan.
IDC Error ellipse: s-maj=11.5km s-min=7.5km az=97.0.
ISC X 06 09 19 50.2–.96 18.45N–.08 145.2E–.20 435–12 3.3b 26 5-84
ISCJB X 06 09 19 50.4–.97 18.40N–.09 145.2E–.20 454–12 3.3b **¶12066117**
NEIC X 06 09 19 51.4–1.4 18.45N 145.29E 459–19 3.3b
IDC X 06 09 19 51.9–2.0 18.38N 145.32E 459–25 3.1,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.2km s-min=13.7km az=175.5.
NEIC Event type se. Error ellipse: s-maj=44.0km s-min=14.9km az=88.0.
IDC Error ellipse: s-maj=27.8km s-min=13.1km az=91.0.
ISC X 08 00 48 59.8–.73 18.00N–.02 146.55E–.02 86–6 5.5b 937 5-156
BJI X 08 00 48 46.3 17.77N 147.19E 22 5.2b,5.0b **¶11339730**
ISCJB X 08 00 48 57.9–.84 18.00N–.02 146.49E–.02 82–7 5.5b,5.0b
IDC X 08 00 48 58.6–1.1 17.93N 146.58E 86–9 4.9,4.9
MOS X 08 00 49 00.1–.95 17.91N 146.42E 109 5.4b,4.1s
GCMT X 08 00 49 00.3–.10 17.89N 146.97E 72–1 5.2W,4.1s
NEIC X 08 00 49 01.8–1.0 17.89N 146.47E 110–9 5.2b,4.1s
DJA X 08 00 49 03 17.91N 146.80E 124 5.8W,4.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.9km az=153.4.
IDC Error ellipse: s-maj=12.1km s-min=7.0km az=90.0.
MOS Error ellipse: s-maj=7.8km s-min=4.7km az=106.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s71,c126; s99,c192; Moment tensor: Scale 10^{16}Nm; M_{rr}1.91±.19 $M_{\theta\theta}$-0.74±.16; $M_{\phi\phi}$-1.17±.17; $M_{r\theta}$-0.34±.11; $M_{\theta\phi}$-5.56±.16; $M_{\phi r}$7.31±.11; Best double couple: NP1: ϕ_s264.00000°,δ37.00000°,λ168.00000°. NP2:ϕ_s4.00000°,δ83.00000°,λ54.00000°. Principal axes: T 9.3900,Plg41.0000°,Azm240.0000°; N -0.1100,Plg36.0000°,Azm9.0000° ; P -9.2900,Plg28.0000°,Azm122.0000° $M_0$9.30000×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.9km az=104.0.
IDC X 08 21 11 31.9–1.3 19.49N 145.06E 0 4.0,3.8
¶12066373
IDC Error ellipse: s-maj=55.4km s-min=25.9km az=92.0.
IDC X 09 07 56 09.7–1.1 14.19N 145.45E 132–6 3.7,3.5
¶12066408
IDC Error ellipse: s-maj=37.3km s-min=15.2km az=101.0.
IDC X 10 10 28 04.3–1.2 13.54N 144.98E 92–8 3.6,3.3b
¶12066495
IDC Error ellipse: s-maj=39.6km s-min=23.7km az=106.0.
ISC X 14 04 57 37.0–1.1 19.09N–.06 145.6E–.10 171–12 4.3b 53 6-148
ISCJB X 14 04 57 35.3–1.1 19.16N–.05 145.6E–.10 170–11 4.3b **¶12068597**
NEIC X 14 04 57 37.6–1.3 19.04N 145.64E 181–12 4.5b
IDC X 14 04 57 37.4–1.4 19.11N 145.71E 180–12 4.1,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=7.7km az=175.8.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.9km az=104.0.
IDC Error ellipse: s-maj=17.3km s-min=10.2km az=95.0.
ISC X 15 00 18 19.8–1.0 18.22N–.07 145.5E–.10 397–11 3.5b 43 5-87
IDC X 15 00 18 18.6–4.3 18.24N 145.52E 382–48 3.4,3.3 **¶12068650**
ISCJB X 15 00 18 19.7–.92 18.20N–.07 145.5E–.10 412–10 3.5b,3.3
NEIC X 15 00 18 20.8–.77 18.24N 145.49E 410–8 3.8b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=13.1km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=10.2km az=171.9.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.2km az=82.0.
ISC X 15 10 52 13.1–1.0 14.24N–.07 145.3E–.20 100–8 4.2b 37 1-148
ISCJB X 15 10 52 12.0–1.0 14.25N–.07 145.3E–.20 106–8 4.2b **¶12068674**
NEIC X 15 10 52 13.7–.39 14.22N 145.33E 108 5.0b
IDC X 15 10 52 13.7–.81 14.23N 145.34E 106–6 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.0km s-min=11.3km az=178.7.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=8.7km az=98.0.
IDC Error ellipse: s-maj=21.7km s-min=11.1km az=92.0.
IDC X 16 07 14 16.1–1.7 13.85N 144.79E 127–8 3.7,3.4b
¶12068743
IDC Error ellipse: s-maj=110.0km s-min=15.7km az=110.0.
ISC X 18 23 55 44.9–1.1 17.5N–.10 145.6E–.20 523–12 3.1b 21 4-148
ISCJB X 18 23 55 44.4–1.0 17.5N–.10 145.6E–.20 531–12 3.1b **¶12069008**
NEIC X 18 23 55 44.4–.98 17.47N 145.69E 522–12 3.1b
IDC X 18 23 55 44.6–1.2 17.47N 145.69E 521–13 2.9,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.8km s-min=17.1km az=171.2.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=13.3km az=77.0.
IDC Error ellipse: s-maj=26.1km s-min=14.4km az=73.0.
IDC X 21 11 41 59.6–1.3 15.00N 146.89E 0 3.7,3.5
¶12070730
IDC Error ellipse: s-maj=44.1km s-min=21.1km az=118.0.
ISC X 21 23 13 30.6–1.2 17.37N–.07 145.9E–.10 202–12 3.8b 45 4-147
ISCJB X 21 23 13 29.8–1.3 17.37N–.07 145.8E–.10 210–12 3.8b **¶12070762**
NEIC X 21 23 13 30.6–1.2 17.38N 145.86E 203–12 4.1b
IDC X 21 23 13 30.9–.71 17.34N 145.89E 205–6 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=11.7km az=7.3.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.3km az=99.0.
IDC Error ellipse: s-maj=16.3km s-min=8.9km az=105.0.
ISC X 22 04 45 35.6–1.4 18.98N–.07 145.6E–.20 221–14 3.5b 26 5-148
ISCJB X 22 04 45 34.6–1.5 19.02N–.08 145.6E–.20 228–15 3.5b **¶12070777**
NEIC X 22 04 45 34.9–1.5 18.99N 145.60E 215–14 3.5b
IDC X 22 04 45 35.1–2.0 19.01N 145.57E 216–19 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.7km s-min=12.3km az=174.4.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=10.3km az=81.0.
IDC Error ellipse: s-maj=21.4km s-min=12.1km az=88.0.
ISC X 25 13 17 46.2–1.3 18.52N–.04 146.8E–.10 62–11 4.2b 55 5-147
ISCJB X 25 13 17 45.3–1.6 18.47N–.05 146.8E–.10 72–15 4.1b **¶12071075**
IDC X 25 13 17 46.7–2.9 18.46N 146.74E 66–27 4.1L,3.9
NEIC X 25 13 17 47.5–1.6 18.42N 146.68E 76–14 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=7.9km az=177.6.
IDC Error ellipse: s-maj=23.8km s-min=11.0km az=85.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.6km az=82.0.
ISC X 27 02 49 27.4–1.2 15.6N–.10 147.0E–.20 35 4.0b 27 3-146
IDC X 27 02 49 22.3–1.1 15.73N 147.08E 0 4.1,4.0b **¶12071214**
ISCJB X 27 02 49 25.7–1.1 15.7N–.10 146.9E–.20 33 4.0b,4.0b
NEIC X 27 02 49 26.1–.83 15.36N 147.00E 35 3.9b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=23.1km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=7.5km az=30.3.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=15.3km az=129.0.
ISC X 28 11 02 02.1–1.7 14.03N–.09 145.5E–.20 69–13 3.6b 24 1-91
ISCJB X 28 11 02 01.9–1.4 14.03N–.09 145.3E–.20 81–10 3.6b **¶12071324**
NEIC X 28 11 02 01.9–1.5 14.03N 145.51E 69–12 4.1b
IDC X 28 11 02 01.1–1.7 14.03N 145.50E 62–14 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.9km s-min=15.0km az=2.4.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=11.3km az=97.0.
IDC Error ellipse: s-maj=29.1km s-min=17.3km az=91.0.
ISC X 29 08 35 28.0–1.6 17.8N–.10 145.5E–.20 292–13 3.4b 24 4-148
ISCJB X 29 08 35 27.6–1.6 17.8N–.10 145.5E–.20 303–13 3.4b **¶12071442**
NEIC X 29 08 35 27.2–1.5 17.83N 145.52E 285–13 3.4b
IDC X 29 08 35 28.3–2.0 17.79N 145.52E 293–17 3.4,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.7km s-min=16.1km az=169.1.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=11.9km az=77.0.
IDC Error ellipse: s-maj=29.3km s-min=15.3km az=76.0.
ISC X 29 12 37 01.9–1.0 13.08N–.08 144.7E–.10 54–9 4.1b 36 1-148
ISCJB X 29 12 37 00.8–.95 13.07N–.08 144.7E–.10 61–8 4.1b **¶12071471**
IDC X 29 12 37 01.3–.79 13.15N 144.71E 49–7 4.1,3.9
NEIC X 29 12 37 01.9–1.2 13.09N 144.71E 56–10 4.3b,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=19.3km s-min=13.6km az=172.9.
IDC Error ellipse: s-maj=19.7km s-min=12.8km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=15.8km s-min=11.4km az=88.0. Felt at Barrigada, Tamuning and Yigo.
IDC X 30 11 52 19.1–3.1 17.49N 145.89E 201–28 3.2,3.0
¶12071618
IDC Error ellipse: s-maj=133.2km s-min=19.7km az=114.0.
ISC XI 01 19 52 59.2–.98 18.55N–.10 145.3E–.20 484–13 3.2b 21 5-148
ISCJB XI 01 19 52 58.9–.95 18.52N–.09 145.3E–.20 495–12 3.2b **¶12071898**
IDC XI 01 19 52 59.1–1.5 18.53N 145.41E 479–18 3.0,2.8
NEIC XI 01 19 52 59.4–1.0 18.55N 145.27E 487–13 3.9b,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.7km s-min=14.4km az=5.0.
IDC Error ellipse: s-maj=26.4km s-min=15.6km az=96.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.7km az=95.0.
ISC XI 02 05 33 57.3–.53 13.52N–.03 144.98E–.04 38–4 4.8b,4.1s 212 0-148
BJI XI 02 05 33 51.9 13.33N 145.60E 37 4.9b,4.7b **¶11383185**
MOS XI 02 05 33 53.9–1.1 13.55N 145.06E 26 5.0b,4.7b
ISCJB XI 02 05 33 56.1–.53 13.50N–.03 144.96E–.04 43–4 4.8b,4.1s
IDC XI 02 05 33 58.0–1.5 13.55N 144.98E 47–13 4.4,4.3
NEIC XI 02 05 33 57.0–.74 13.54N 144.96E 38–6 5.1b,4.3
GCMT XI 02 05 34 01.8–.30 13.39N 144.76E 43–2 5.0W,4.3
DJA XI 02 05 34 03 13.87N 145.11E 135 4.9b,4.3
ISC Event type fe.
MOS Error ellipse: s-maj=12.0km s-min=7.5km az=94.6.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.5km az=9.2.
IDC Error ellipse: s-maj=16.3km s-min=9.9km az=100.0.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.8km az=108.0. Felt [IV] at Barrigada, Hagatna and Santa Rita. Also felt at Mangil and Yona.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s27,c32; s61,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}0.02±.21 $M_{\theta\theta}$2.98±.17; $M_{\phi\phi}$-3.00±.17; $M_{r\theta}$0.89±.20; $M_{\theta\phi}$-3.34±.15; $M_{\phi r}$-0.46±.24; Best double couple: NP1:ϕ_s68.00000°,δ81.00000°,λ172.00000°. NP2:ϕ_s160.00000°,δ82.00000°,λ9.00000°. Principal axes: T 4.6900,Plg12.0000° ,Azm24.0000°; N -0.1900,Plg78.0000°,Azm201.0000°; P -4.4900,Plg1.0000°,Azm294.0000° $M_0$4.60000×10^{16}
IDC XI 03 12 00 25.4–1.4 18.26N 145.71E 0 3.7,3.6b
¶12072119
IDC Error ellipse: s-maj=45.2km s-min=27.7km az=96.0.

IDC XI 04 21 51 50.7–1.4 17.52N 145.63E 0 3.7,3.5b
¶12072304

IDC Error ellipse: s-maj=43.2km s-min=26.8km az=90.0.
IDC XI 05 08 18 01.7–8.0 20.44N 145.61E 0 4.0,3.7
¶12072360

IDC Error ellipse: s-maj=302.4km s-min=27.9km az=77.0.
ISC XI 07 00 52 18.7–1.3 18.66N–.04 146.6E–.10 64–11 4.6b 61 5-147
ISCJB XI 07 00 52 16.0–1.7 18.64N–.04 146.7E–.10 57–14 4.6b,3.4s **¶12072608**
NEIC XI 07 00 52 17.1–1.5 18.59N 146.58E 50–14 4.9b,3.4s
IDC XI 07 00 52 20.0–2.4 18.61N 146.49E 74–21 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=6.8km az=177.2.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.9km az=80.0.
IDC Error ellipse: s-maj=22.5km s-min=10.0km az=85.0.
ISC XI 07 08 33 18.1–1.3 19.22N–.06 145.7E–.20 168–12 3.6b 25 6-83
ISCJB XI 07 08 33 16.7–1.3 19.27N–.05 145.6E–.20 171–12 3.6b **¶12072647**
IDC XI 07 08 33 17.7–2.0 19.21N 145.72E 168–21 3.5,3.4
NEIC XI 07 08 33 18.7–1.4 19.20N 145.68E 178–14 4.1b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.1km s-min=7.5km az=173.8.
IDC Error ellipse: s-maj=29.2km s-min=12.3km az=86.0.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=8.9km az=89.0.
ISC XI 10 22 22 19.9–.73 19.07N–.03 145.35E–.04 223–7 4.3b 371 5-158
BJI XI 10 22 22 17.2 18.76N 145.62E 241 4.7b,4.4b **¶11415191**
ISCJB XI 10 22 22 18.7–.73 19.05N–.03 145.32E–.04 224–6 4.3b,4.4b
IDC XI 10 22 22 19.2–1.1 19.05N 145.46E 224–9 4.0,3.9
MOS XI 10 22 22 20.4–.73 19.03N 145.18E 248 4.7b,3.9
NEIC XI 10 22 22 21.2–.91 19.02N 145.36E 238–9 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.1km az=158.3.
IDC Error ellipse: s-maj=13.1km s-min=6.5km az=90.0.
MOS Error ellipse: s-maj=16.3km s-min=8.6km az=84.6.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.6km az=85.0.
ISC XI 13 07 35 47.5–.66 18.39N–.04 145.24E–.04 386–7 4.5b 395 5-148
BJI XI 13 07 35 37.3 17.99N 145.96E 350 4.6b,4.5b **¶11451601**
NEIC XI 13 07 35 44.3–.21 18.41N 145.26E 353 4.6b,4.5b
ISCJB XI 13 07 35 46.7–.68 18.45N–.04 145.18E–.04 389–7 4.5b,4.5b
MOS XI 13 07 35 47.7–.96 18.42N 145.12E 406 4.6b,4.5b
IDC XI 13 07 35 49.8–1.4 18.42N 145.21E 418–13 4.1,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.4km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.3km az=16.8.
MOS Error ellipse: s-maj=11.4km s-min=6.3km az=99.7.
IDC Error ellipse: s-maj=11.6km s-min=8.9km az=106.0.
ISC XI 14 07 09 32.4–3.9 18.7N–.10 145.1E–.20 438–44 3.5b 28 17-87
IDC XI 14 07 09 25.2–6.8 18.80N 145.17E 357–71 3.4,3.3b **¶12073496**
NEIC XI 14 07 09 33.4–3.2 18.69N 145.08E 451–37 4.0b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=15.9km az=84.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=12.5km az=84.0.
IDC XI 17 14 30 45.0–4.3 18.93N 144.96E 213–18 3.1,3.1
¶12073865

IDC Error ellipse: s-maj=193.5km s-min=12.2km az=82.0.
ISC XI 19 01 16 50.5–1.0 19.0N–.10 145.5E–.30 35 3.8b 18 40-73
IDC XI 19 01 16 45.3–1.2 18.96N 145.48E 0 3.9,3.8 **¶12074086**
ISCJB XI 19 01 16 48.1–1.1 19.0N–.10 145.5E–.30 33 3.8b,3.8
NEIC XI 19 01 16 50.4–.90 18.96N 145.46E 35 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=19.5km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=40.6km s-min=14.7km az=175.0.
NEIC Event type se. Error ellipse: s-maj=35.7km s-min=13.0km az=85.0.
ISC XI 22 04 51 57.9–.66 18.70N–.06 145.46E–.08 591–9 4.0b 75 5-148
ISCJB XI 22 04 51 57.4–.62 18.70N–.05 145.40E–.08 604–9 4.0b **¶12074473**
IDC XI 22 04 51 58.4–.84 18.70N 145.48E 596–10 3.6,3.6
NEIC XI 22 04 51 58.3–.57 18.70N 145.43E 596–7 4.1b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=8.3km az=174.4.
IDC Error ellipse: s-maj=12.9km s-min=8.2km az=82.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.0km az=86.0.
IDC XI 25 04 56 58.3–4.7 17.99N 146.98E 61–43 4.3L,3.8
¶12074764

IDC Error ellipse: s-maj=43.1km s-min=18.4km az=89.0.
ISC XI 25 05 15 09.0–2.3 17.94N–.06 146.8E–.20 56–20 4.1b,3.5s 38 5-146
ISCJB XI 25 05 15 06.4–2.5 17.95N–.06 146.9E–.20 50–22 4.1b,3.5s **¶12074765**
IDC XI 25 05 15 08.4–4.4 17.94N 146.88E 51–41 4.1L,4.0
NEIC XI 25 05 15 09.2–1.5 17.94N 146.86E 60–13 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=10.5km az=175.1.
IDC Error ellipse: s-maj=28.1km s-min=14.2km az=84.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.3km az=86.0.
ISC XI 25 12 40 08.1–.69 18.04N–.03 146.92E–.02 38–6 5.3s,5.3b 855 5-168
DJA XI 25 12 39 59 18.49N 147.33E 10 5.4b,5.3b **¶11474946**
NEIC XI 25 12 40 03.5–.13 18.01N 146.97E 10 5.5b,5.5W
ISCJB XI 25 12 40 03.6–.92 18.04N–.02 146.88E–.02 18–6 5.3s,5.3b
MOS XI 25 12 40 05.3–1.0 18.01N 146.86E 33 5.6b,5.2s
IDC XI 25 12 40 05.2–1.7 18.04N 147.06E 24–10 5.2,5.2s
BJI XI 25 12 40 06.8 17.95N 147.48E 76 5.4s,5.2b
GCMT XI 25 12 40 08.9–.10 18.12N 147.23E 14–0 5.6W,5.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.6km az=129.0. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-0.59 $M_{r\theta}$-0.93 $M_{\theta\phi}$1.46 $M_{\phi r}$0.86 Best double couple: NP1:ϕ_s308.00000°,δ67.00000°,λ78.00000°. NP2:ϕ_s156.00000° ,δ26.00000°,λ116.00000°. Principal axes: T 1.4300,Plg66.0000°,Azm196.0000° ; N 0.9800,Plg11.0000°,Azm312.0000°; P -2.4100,Plg20.0000°,Azm46.0000° M_o2.10000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.1km az=177.1.
MOS Error ellipse: s-maj=8.0km s-min=5.0km az=102.3.
IDC Error ellipse: s-maj=14.0km s-min=7.8km az=85.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=110, comp=214, per= 50. Moment Tensor Solution. s90,c155; s27,c27; Moment tensor: Scale 10^{17}Nm; M_{rr}1.66±.04 $M_{\theta\theta}$-0.65±.03; $M_{\phi\phi}$-1.02±.03; $M_{r\theta}$-1.62±.09; $M_{\theta\phi}$1.35±.02; $M_{\phi r}$1.22±.08; Best double couple: NP1:ϕ_s153.00000°,δ23.00000°,λ113.00000°. NP2:ϕ_s309.00000°,δ69.00000°,λ80.00000°. Principal axes: T 2.5700,Plg65.0000°,Azm203.0000°; N 0.4600,Plg9.0000°,Azm312.0000° ; P -3.0400,Plg23.0000°,Azm46.0000° M_o2.80000×10^{17}
ISC XI 26 06 19 51.5–2.8 18.07N–.06 146.9E–.30 70–20 3.8b 21 5-68
IDC XI 26 06 19 38.6–3.6 18.20N 148.08E 0 4.4L,4.0 **¶12074864**
ISCJB XI 26 06 19 50.7–3.2 18.02N–.07 146.9E–.30 76–24 3.8b,4.0
NEIC XI 26 06 19 54.2–1.9 17.96N 146.58E 83–14 3.8b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=114.8km s-min=23.2km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=49.4km s-min=11.2km az=178.4.
NEIC Event type se. Error ellipse: s-maj=38.2km s-min=7.6km az=86.0.
IDC XI 27 03 58 19.1–20 17.56N 145.91E 397–232 3.3,3.0b
¶12074988

IDC Error ellipse: s-maj=41.6km s-min=27.8km az=44.0.
ISC XI 28 02 21 09.6–2.7 18.0N–.10 145.6E–.20 64–26 3.8b 20 4-84
IDC XI 28 02 21 01.1–.87 18.02N 145.75E 0 4.0,3.8 **¶12075102**
ISCJB XI 28 02 21 07.7–2.9 18.0N–.10 145.6E–.20 64–27 3.8b,3.8
NEIC XI 28 02 21 09.6–2.4 17.99N 145.60E 65–23 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=19.3km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=33.2km s-min=19.7km az=179.7.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=15.5km az=89.0.
ISC XI 28 17 37 11.7–2.3 19.1N–.10 145.2E–.30 251–21 3.6b 16 5-86
ISCJB XI 28 17 37 11.4–2.4 19.0N–.10 145.1E–.30 261–22 3.6b **¶12075161**
IDC XI 28 17 37 11.2–3.3 19.10N 145.21E 246–31 3.6,3.4b
NEIC XI 28 17 37 11.6–1.9 19.06N 145.22E 252–18 3.7b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=50.8km s-min=23.0km az=7.4.
IDC Error ellipse: s-maj=44.2km s-min=19.6km az=97.0.
NEIC Event type se. Error ellipse: s-maj=38.0km s-min=17.2km az=97.0.

IDC XI 29 07 51 54.0–2.9 15.44N 146.06E 84–30 3.8,3.6
¶12075236

IDC Error ellipse: s-maj=28.0km s-min=24.9km az=105.0.
ISC XI 29 11 45 34.7–.74 13.17N–.09 144.7E–.20 96–7 3.8b 25 0-87
ISCJB XI 29 11 45 33.5–.75 13.16N–.09 144.7E–.20 101–7 3.8b **¶12075253**
NEIC XI 29 11 45 34.7–.82 13.17N 144.70E 97–8 4.2b
IDC XI 29 11 45 34.1–.64 13.20N 144.73E 92–5 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.8km s-min=15.2km az=5.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=10.5km az=96.0.
IDC Error ellipse: s-maj=27.0km s-min=14.1km az=98.0.
ISC XI 30 00 38 58.2–.68 18.08N–.02 146.94E–.03 41–6 5.2b,5.2s 539 5-168
NEIC XI 30 00 38 54.1–.14 18.02N 146.99E 14 5.5W,5.4b **¶11482953**
ISCJB XI 30 00 38 54.2–.92 18.06N–.02 146.92E–.03 24–6 5.2b,5.2s
MOS XI 30 00 38 55.1–1.1 18.03N 146.86E 33 5.5b,5.2s
IDC XI 30 00 38 57.6–1.2 18.12N 147.04E 38–9 5.1s,5.1
GCMT XI 30 00 38 59.0–.10 18.12N 147.21E 17–0 5.6W,5.1
BJI XI 30 00 38 59.5 18.00N 146.92E 53 5.3s,5.2b
DJA XI 30 00 38 59 17.96N 147.14E 52 5.4b,5.2b
TEH XI 30 00 39 00.0 18.00N 146.92E 58 5.4b,5.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.9km az=136.0. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}1.04 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$0.22 $M_{r\theta}$-0.52 $M_{\theta\phi}$0.68 $M_{\phi r}$0.42 Best double couple: NP1:ϕ_s305.00000°,δ60.00000°,λ107.00000°. NP2:ϕ_s94.00000° ,δ34.00000°,λ64.00000°. Principal axes: T 1.2400,Plg70.0000°,Azm251.0000° ; N 0.4400,Plg14.0000°,Azm116.0000°; P -1.6800,Plg13.0000°,Azm22.0000° M_o1.50000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=39.3.
MOS Error ellipse: s-maj=8.7km s-min=5.3km az=106.7.
IDC Error ellipse: s-maj=12.9km s-min=7.4km az=96.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=101, comp=188, per= 50. Moment Tensor Solution. s81,c139; s20,c21; Moment tensor: Scale 10^{17}Nm; M_{rr}1.32±.04 $M_{\theta\theta}$-0.69±.03; $M_{\phi\phi}$-0.63±.03; $M_{r\theta}$-1.97±.11; $M_{\theta\phi}$1.16±.02; $M_{\phi r}$1.07±.09; Best double couple: NP1:ϕ_s155.00000°,δ20.00000°,λ124.00000°. NP2:ϕ_s300.00000°,δ73.00000°,λ78.00000°. Principal axes: T 2.5600,Plg60.0000°,Azm193.0000°; N 0.3800,Plg11.0000°,Azm303.0000° ; P -2.9400,Plg27.0000°,Azm39.0000° M_o2.80000×10^{17}
IDC XI 30 07 48 41.4–1.7 19.33N 145.46E 0 3.9,3.5b
¶12075317

IDC Error ellipse: s-maj=166.7km s-min=23.7km az=113.0.
ISC XI 30 12 04 55.1–.75 19.22N–.03 145.34E–.03 207–7 4.8b 433 6-158
DJA XI 30 12 04 51 19.42N 145.67E 200 5.1b **¶11482982**
BJI XI 30 12 04 52.5 19.20N 145.40E 205 4.9b,4.5b
ISCJB XI 30 12 04 53.2–.79 19.20N–.03 145.34E–.03 204–7 4.8b,4.5b
MOS XI 30 12 04 53.1–.94 19.22N 145.15E 208 5.1b,4.5b
NEIC XI 30 12 04 55.0–.12 19.19N 145.34E 208 5.0b,4.5b
IDC XI 30 12 04 54.6–.61 19.23N 145.40E 208–5 4.6,4.6
GCMT XI 30 12 04 56.4–.40 19.30N 145.58E 183–3 5.0W,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.9km az=32.3.
MOS Error ellipse: s-maj=8.8km s-min=5.3km az=89.8.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=3.2km az=128.0.
IDC Error ellipse: s-maj=11.7km s-min=5.9km az=95.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s16,c19; s70,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.64±.14 $M_{\theta\theta}$2.88±.12; $M_{\phi\phi}$-1.25±.14; $M_{r\theta}$-1.66±.12; $M_{\theta\phi}$-0.17±.15; $M_{\phi r}$2.02±.12; Best double couple: NP1:ϕ_s239.00000°,δ37.00000°,λ-152.00000°. NP2:ϕ_s126.00000°,δ74.00000°,λ-56.00000°. Principal axes: T 3.5700,Plg21.0000° ,Azm191.0000°; N 0.0900,Plg32.0000°,Azm296.0000°; P -3.6800,Plg50.0000°,Azm74.0000° M_o3.60000×10^{16}
IDC XII 01 05 59 26.7–9.3 18.03N 146.99E 0 3.8,3.7b
¶12075388

IDC Error ellipse: s-maj=363.3km s-min=22.0km az=81.0.
ISC XII 02 04 29 31.2–.24 18.34N–.04 145.74E–.06 123 4.6b 167 5-157
ISCJB XII 02 04 29 29.4–.24 18.39N–.04 145.66E–.06 121 4.6b **¶11486873**
NEIC XII 02 04 29 30.9–.17 18.37N 145.74E 121 4.7b
MOS XII 02 04 29 31.6–.95 18.32N 145.60E 147 4.5b
IDC XII 02 04 29 31.0–.45 18.38N 145.72E 124–3 4.3,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.9km az=15.2.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=111.0.
MOS Error ellipse: s-maj=14.0km s-min=7.2km az=90.4.
IDC Error ellipse: s-maj=13.1km s-min=7.2km az=95.0.
ISC XII 02 12 31 43.7–.07 19.16N–.02 145.73E–.01 131 5.6b 1233 6-158
BJI XII 02 12 31 36.6 19.00N 146.31E 121 5.3b,5.1b **¶13813724**
MOS XII 02 12 31 41.3–.99 19.14N 145.63E 131 5.6b,5.1s
ISCJB XII 02 12 31 42.1–.07 19.14N–.02 145.69E–.02 129 5.6b,5.1s
NEIC XII 02 12 31 43.9–.10 19.11N 145.75E 137 5.9b,5.9W
IDC XII 02 12 31 44.6–.75 19.12N 145.79E 148–5 5.1,5.1
GCMT XII 02 12 31 44.9–.10 19.17N 145.99E 119–0 5.9W,5.1
DJA XII 02 12 31 46 19.03N 145.90E 158 5.7W,5.1
SZGRF XII 02 12 31 51.4 20.86N 146.68E 33 5.3b,5.1
ISC Event type se.
MOS Error ellipse: s-maj=6.7km s-min=4.3km az=102.9.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=1.9km az=153.3.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.8km az=155.0. Moment Tensor Solution. s74 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97 $M_{\theta\theta}$4.64 $M_{\phi\phi}$-3.66 $M_{r\theta}$-5.96 $M_{\theta\phi}$1.42 $M_{\phi r}$4.25 Best double couple: NP1:ϕ_s123.00000°,δ86.00000°,λ-59.00000°. NP2:ϕ_s219.00000° ,δ31.00000°,λ-173.00000°. Principal axes: T 8.5300,Plg34.0000°,Azm186.0000° ; N 0.1000,Plg30.0000°,Azm300.0000°; P -8.6200,Plg40.0000°,Azm61.0000° M_o8.60000×10^{17}
IDC Error ellipse: s-maj=8.7km s-min=4.7km az=92.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=114, comp=262, per= 50. Moment Tensor Solution. s109,c227; s68,c89; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s220.00000° ,δ39.00000°,λ-171.00000°. NP2:ϕ_s123.00000°,δ84.00000°,λ-52.00000°. Principal axes: T 1.0200,Plg29.0000°,Azm183.0000°; N -0.0300,Plg38.0000°,Azm298.0000° ; P -0.9900,Plg38.0000°,Azm67.0000° M_o1.00000×10^{18}
SZGRF Mariana Islands region.
IDC XII 03 04 34 37.9–15 18.96N 145.00E 482–169 3.1,3.0b
¶12075586

IDC Error ellipse: s-maj=142.2km s-min=22.4km az=78.0.
ISC XII 03 14 52 25.6–.77 18.4N–.10 145.7E–.20 35 3.8b 18 40-83
IDC XII 03 14 52 20.1–.89 18.41N 145.72E 0 4.1,3.8b **¶12075614**
ISCJB XII 03 14 52 23.5–.78 18.4N–.10 145.6E–.20 33 3.8b,3.8b
NEIC XII 03 14 52 25.5–.56 18.39N 145.71E 35 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=19.0km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=27.3km s-min=14.8km az=7.2.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=11.0km az=98.0.
ISC XII 04 08 39 08.6–.29 18.00N–.04 146.90E–.05 84 4.6b 186 5-147
IDC XII 04 08 38 57.2–.54 18.07N 147.11E 0 4.6,4.5 **¶12075708**
MOS XII 04 08 39 01.4–1.0 18.06N 147.12E 44 4.8b,4.0s
ISCJB XII 04 08 39 06.7–.29 17.98N–.04 146.86E–.05 82 4.6b,4.0s
BJI XII 04 08 39 07.0 17.90N 146.70E 84 5.1b,4.6s
NEIC XII 04 08 39 08.9–.33 17.95N 146.94E 89 4.7b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=19.6km s-min=11.3km az=95.0.
MOS Error ellipse: s-maj=12.7km s-min=7.4km az=112.7.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.8km az=166.1.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.4km az=95.0.
ISC XII 04 09 15 50.6–1.4 17.99N–.04 147.00E–.09 64–13 4.6b 81 5-146
ISCJB XII 04 09 15 48.6–1.7 17.99N–.04 146.92E–.09 60–15 4.6b,3.6s **¶12075717**
IDC XII 04 09 15 48.8–3.0 18.04N 147.12E 50–26 4.2,4.2
NEIC XII 04 09 15 50.4–1.2 18.00N 147.00E 62–11 4.7b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=7.3km az=175.0.
IDC Error ellipse: s-maj=20.3km s-min=10.7km az=89.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.8km az=89.0.
IDC XII 04 15 17 33.4–1.3 17.95N 146.20E 0 3.5,3.4
¶12075751

IDC Error ellipse: s-maj=58.1km s-min=24.3km az=97.0.
IDC XII 08 06 50 06.5–1.4 15.78N 145.64E 290–10 3.2,3.1b

¶12076310
IDC Error ellipse: s-maj=38.0km s-min=17.3km az=94.0.
IDC XII 17 04 02 20.9–5.7 19.74N 145.98E 0 4.1,3.9b

¶12077854
IDC Error ellipse: s-maj=192.2km s-min=28.6km az=79.0.
ISC XII 17 10 10 58.7–1.2 20.65N–.05 145.16E–.04 97–10 4.5b 308 7-150
BJI XII 17 10 10 45.5 20.06N 145.94E 63 4.9b,4.7b ¶12077902
ISCJB XII 17 10 10 56.3–1.3 20.63N–.05 145.11E–.05 88–11 4.5b,4.7b
IDC XII 17 10 11 00.8–.76 20.74N 145.10E 121–6 4.2,4.1
NEIC XII 17 10 11 00.8–.20 20.69N 145.09E 119 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=7.0km az=171.5.
IDC Error ellipse: s-maj=14.5km s-min=9.2km az=89.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=97.0.
ISC XII 18 03 46 04.0–.82 19.07N–.04 145.45E–.04 181–7 4.6b 521 5-151
ISCJB XII 18 03 46 01.6–.81 19.17N–.04 145.41E–.04 167–7 4.6b ¶11513227
IDC XII 18 03 46 02.5–.61 19.07N 145.47E 169–4 4.2,4.2
MOS XII 18 03 46 03.2–.90 19.10N 145.33E 190 4.9b,4.2
NEIC XII 18 03 46 04.2–.66 19.07N 145.35E 186–6 4.8b,4.2
BJI XII 18 03 46 09.9 19.60N 144.51E 178 4.8b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.5km az=40.0.
IDC Error ellipse: s-maj=13.6km s-min=9.6km az=91.0.
MOS Error ellipse: s-maj=12.7km s-min=7.4km az=86.7.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=100.0.
ISC XII 21 08 32 15.5–.64 13.88N–.06 144.9E–.10 146–5 4.1b 51 0-148
ISCJB XII 21 08 32 14.4–.64 13.86N–.06 144.9E–.10 150–5 4.1b ¶12078435
NEIC XII 21 08 32 14.7–.38 13.88N 144.92E 138 4.8b
IDC XII 21 08 32 15.1–.40 13.91N 144.95E 140–3 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=9.3km az=170.8.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=7.8km az=82.0.
IDC Error ellipse: s-maj=16.6km s-min=9.1km az=89.0.
IDC XII 21 10 20 46.5–8.9 19.27N 145.41E 262–89 3.4,3.3

¶12078443
IDC Error ellipse: s-maj=26.9km s-min=13.9km az=84.0.
IDC XII 22 07 56 59.0–1.1 14.07N 145.10E 108–10 3.4,3.1b

¶12078529
IDC Error ellipse: s-maj=247.3km s-min=22.8km az=110.0.
ISC XII 23 17 35 08.5–6.4 20.61N–.09 145.4E–.20 90–59 3.7b 29 7-85
IDC XII 23 17 34 57.3–.79 20.68N 145.51E 0 4.0,3.8 ¶12078700
NEIC XII 23 17 35 08.8–5.9 20.61N 145.40E 93–54 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=16.7km az=95.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=10.0km az=86.0.
ISC XII 26 00 06 31.2–.70 18.52N–.05 145.16E–.04 478–8 4.2b 266 5-158
BJI XII 26 00 06 23.4 18.04N 145.79E 468 4.9b,4.4b ¶11519266
ISCJB XII 26 00 06 30.7–.66 18.52N–.05 145.07E–.04 483–8 4.2b,4.4b
IDC XII 26 00 06 31.0–1.1 18.49N 145.16E 481–12 3.8,3.7b
NEIC XII 26 00 06 32.2–.65 18.49N 145.16E 494–8 4.4b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.7km az=17.6.
IDC Error ellipse: s-maj=12.7km s-min=7.9km az=89.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=5.6km az=169.0.
ISC XII 26 07 45 27.7–1.2 13.2N–.10 145.0E–.20 70–8 3.5b 22 0-148
ISCJB XII 26 07 45 26.8–1.1 13.2N–.10 144.9E–.20 77–7 3.5b ¶12079017
IDC XII 26 07 45 27.3–1.1 13.20N 144.95E 65–7 3.6,3.4
NEIC XII 26 07 45 27.6–1.1 13.17N 144.92E 68–9 3.7b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.4km s-min=19.7km az=6.0.
IDC Error ellipse: s-maj=32.3km s-min=18.2km az=96.0.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=15.2km az=95.0.
ISC XII 26 09 08 03.9–.87 13.93N–.08 145.4E–.10 107–7 4.0b 44 1-148
ISCJB XII 26 09 08 02.9–.84 13.93N–.08 145.4E–.10 113–6 4.0b ¶12079033
IDC XII 26 09 08 03.1–.66 13.95N 145.38E 99–5 3.9,3.8b
NEIC XII 26 09 08 04.0–.91 13.92N 145.41E 110–8 4.1b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=12.1km az=10.9.
IDC Error ellipse: s-maj=20.3km s-min=12.6km az=106.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=8.5km az=101.0.
ISC XII 26 16 18 11.9–6.3 14.84N–.07 144.7E–.20 14–40 3.6b,3.2s 24 1-82
IDC XII 26 16 18 09.9–1.1 14.87N 144.65E 0 3.7,3.6 ¶12079068
ISCJB XII 26 16 18 11.3–5.5 14.86N–.07 144.6E–.20 20–42 3.6b,3.2s
NEIC XII 26 16 18 11.3–.75 14.88N 144.67E 10 4.1b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=15.1km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=37.4km s-min=9.7km az=167.5.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=9.1km az=81.0.
ISC XII 26 18 07 14.6–2.9 13.3N–.10 145.3E–.20 37–23 3.3b 20 1-144
IDC XII 26 18 07 09.3–.90 13.28N 145.37E 0 3.6,3.5 ¶12079081
ISCJB XII 26 18 07 14.4–2.0 13.2N–.10 145.3E–.20 51–13 3.3b,3.5
NEIC XII 26 18 07 14.1–.72 13.24N 145.33E 35 3.3b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=15.0km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=34.5km s-min=20.5km az=2.3.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=15.0km az=76.0.
ISC XII 27 09 45 37.6–6.6 17.57N–.07 145.9E–.20 15–41 3.7b 23 4-84
IDC XII 27 09 45 35.2–.81 17.59N 145.93E 0 4.0,3.8L ¶12079156
ISCJB XII 27 09 45 37.3–6.6 17.58N–.08 145.8E–.20 26–47 3.7b,3.8L
NEIC XII 27 09 45 40.4–.63 17.53N 145.91E 35 3.7b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=17.1km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=31.5km s-min=13.3km az=7.4.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=11.8km az=99.0.
ISC XII 27 11 09 45.6–1.1 19.22N–.05 145.5E–.10 196–10 4.0b 54 6-86
ISCJB XII 27 11 09 44.1–1.1 19.24N–.04 145.4E–.10 197–10 4.0b ¶12079163
IDC XII 27 11 09 44.8–1.6 19.25N 145.46E 188–15 4.0,3.8
NEIC XII 27 11 09 45.0–.89 19.21N 145.46E 190–8 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=6.6km az=173.3.
IDC Error ellipse: s-maj=18.2km s-min=8.0km az=83.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=5.1km az=88.0.
IDC XII 27 12 55 47.9–1.5 20.56N 145.93E 0 3.8,3.6

¶12079172
IDC Error ellipse: s-maj=50.7km s-min=27.8km az=83.0.
IDC XII 27 19 06 51.4–1.3 13.76N 144.98E 111–6 3.2,3.1

¶12079204
IDC Error ellipse: s-maj=55.6km s-min=23.7km az=94.0.
ISC XII 30 02 20 22.1–.69 13.9N–.10 144.8E–.20 183–6 3.5b 22 0-87
ISCJB XII 30 02 20 20.9–.71 13.9N–.10 144.7E–.20 187–6 3.5b ¶12079478
NEIC XII 30 02 20 21.9–.83 13.90N 144.80E 182–8 3.5b
IDC XII 30 02 20 22.1–.43 13.91N 144.84E 184–3 3.4,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.1km s-min=18.3km az=2.0.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=13.3km az=93.0.
IDC Error ellipse: s-maj=26.0km s-min=15.0km az=91.0.
ISC XII 31 16 57 08.8–1.9 19.07N–.08 145.9E–.40 210–14 3.4b 23 6-87
ISCJB XII 31 16 57 08.0–1.9 19.10N–.08 145.8E–.40 217–16 3.4b ¶12079675
IDC XII 31 16 57 09.0–3.2 19.09N 145.74E 206–21 3.5s,3.5
NEIC XII 31 16 57 09.2–1.5 19.09N 145.98E 218–13 4.0b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=56.7km s-min=13.1km az=178.8.
IDC Error ellipse: s-maj=86.1km s-min=12.8km az=85.0.
NEIC Event type se. Error ellipse: s-maj=39.1km s-min=8.7km az=87.0.

SEISMIC REGION 19.
Japan-Kurils-Kamchatka.

(217) Kamchatka Peninsula.
ISC VII 03 10 42 51.6–.65 55.36N–.04 160.38E–.09 166–5 3.0b 32 0-82
IDC VII 03 10 42 27.4–11 54.59N 164.87E 0 3.6,3.4b ¶12835146
ISCJB VII 03 10 42 50.9–.69 55.36N–.04 160.39E–.09 167–5 3.0b,3.4b
KRSC VII 03 10 42 51.1–.60 55.34N 160.41E 162–28 3.6L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=324.5km s-min=63.3km az=5.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.4km az=22.4.
KRSC Event type se.
KRSC VII 17 09 00 52.2–.80 55.72N 159.75E 280–29 3.8L

¶12835216
KRSC Event type se.
ISC VII 18 18 50 29.2–.59 55.22N–.04 160.70E–.09 166–5 3.1b 37 1-69
IDC VII 18 18 50 16.4–1.8 54.57N 163.26E 0 3.8,3.5 ¶12698292
ISCJB VII 18 18 50 28.3–.60 55.23N–.04 160.71E–.09 169–5 3.1b,3.5
KRSC VII 18 18 50 28.1–.60 55.20N 160.69E 166–26 3.8L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=117.3km s-min=24.9km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.3km az=27.1.
KRSC Event type se.
KRSC VII 21 03 12 24.7–.70 55.95N 160.96E 161–21 3.7L

¶12835242
KRSC Event type se.
IDC VII 30 23 45 30.6–7.3 51.14N 156.01E 144–43 3.2,3.2

¶12698502
IDC Error ellipse: s-maj=119.4km s-min=26.0km az=176.0.
KRSC VIII 26 12 35 57.1–1.1 55.82N 160.07E 256–26 3.7L

¶12835380
KRSC Event type se.
ISC IX 04 07 15 12.2–.40 55.41N–.03 160.82E–.09 168–3 3.2b 47 1-82
KRSC IX 04 07 15 10.0–.70 55.40N 160.88E 177–26 4.1L ¶11909444
MOS IX 04 07 15 10.7–.76 55.46N 160.70E 171 4.2b
ISCJB IX 04 07 15 11.2–.40 55.41N–.04 160.84E–.09 172–3 3.2b
IDC IX 04 07 15 12.0–2.4 55.64N 160.35E 168–27 3.2,3.0
NEIC IX 04 07 15 12.1–1.3 55.61N 160.42E 169–15 3.2,3.0
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=29.4km s-min=12.5km az=75.9.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.7km az=26.5.
IDC Error ellipse: s-maj=38.3km s-min=21.6km az=152.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=11.8km az=165.0.
KRSC IX 08 03 57 05.8–1.1 55.28N 160.89E 124–33 3.5L

¶12835412
KRSC Event type se.
ISC IX 08 19 20 45.3–.38 51.52N–.05 156.96E–.10 134–3 3.7b 78 1-146
KRSC IX 08 19 20 43.0–.20 51.30N 157.47E 125–65 4.8L ¶11909832
ISCJB IX 08 19 20 44.1–.39 51.51N–.06 156.96E–.10 139–3 3.7b
MOS IX 08 19 20 44.3–1.1 51.70N 156.81E 139 4.0b
IDC IX 08 19 20 46.6–.81 51.68N 156.77E 142–7 3.8,3.7
NEIC IX 08 19 20 46.2–.35 51.72N 156.76E 140 4.6b,3.7
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=4.6km az=41.4.
MOS Error ellipse: s-maj=18.4km s-min=8.7km az=63.2.
IDC Error ellipse: s-maj=18.0km s-min=9.8km az=140.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.5km az=138.0.
KRSC IX 08 20 29 46.4–.80 56.05N 160.73E 171–21 3.6L

¶12835411
KRSC Event type se.
ISC IX 09 22 36 26.5–.49 52.69N–.07 157.4E–.10 35 3.9b 30 0-72
KRSC IX 09 22 36 18.2–.60 52.05N 159.42E 25–24 4.0L ¶11909907
IDC IX 09 22 36 21.9–1.1 52.89N 156.89E 0 4.1,3.7b
MOS IX 09 22 36 22.8–2.4 52.64N 157.42E 29 3.9b,3.7b
ISCJB IX 09 22 36 24.7–.51 52.83N–.07 157.26E–.09 33 3.9b,3.7b
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
KRSC IX 14 15 02 20.2–.90 55.30N 160.48E 177–36 3.8L

¶12835426
KRSC Event type se.
KRSC IX 22 03 32 28.0–1.2 52.81N 157.71E 232–42 4.2L

¶12835439
KRSC Event type se.
KRSC IX 30 10 45 02.5–1.5 54.65N 158.25E 273–53 3.8L

¶12835450
KRSC Event type se.
KRSC X 01 18 42 08.8–.60 54.12N 158.46E 258–47 3.6L

¶12835457
KRSC Event type se.
KRSC X 10 20 09 11.7–1.3 52.04N 157.64E 185–54 3.7L

¶12835471
KRSC Event type se.
KRSC X 11 23 47 19.5–.90 55.43N 160.86E 158–27 3.8L

¶12835475
KRSC Event type se.
KRSC X 18 05 53 55.0–.80 55.56N 161.00E 168–38 3.7L

¶12835487
KRSC Event type se.
KRSC X 25 00 00 17.4–.10 55.29N 160.88E 161–21 3.5L

¶12835493
KRSC Event type se.
ISC X 26 14 16 28.6–.39 53.34N–.06 157.94E–.09 204–3 3.1b 65 0-79
KRSC X 26 14 16 26.2–.60 53.30N 158.11E 218–27 3.8L ¶12071161
ISCJB X 26 14 16 27.8–.40 53.36N–.06 157.93E–.10 206–3 3.1b
MOS X 26 14 16 27.3–2.0 53.75N 157.39E 202 4.0b
IDC X 26 14 16 27.9–.72 53.52N 157.45E 199–5 3.2,3.0
NEIC X 26 14 16 28.1–.51 53.54N 157.54E 199–5 3.8b,3.0
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=7.2km az=139.5.
MOS Error ellipse: s-maj=26.7km s-min=18.2km az=59.3.
IDC Error ellipse: s-maj=34.3km s-min=14.9km az=143.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=9.8km az=151.0.
ISC X 27 19 23 02.8–.63 58.22N–.08 163.5E–.20 35 3.8b 36 2-82
KRSC X 27 19 22 51.6–1.5 58.37N 164.75E 5–5 4.2L ¶12071266
IDC X 27 19 22 57.8–1.1 58.26N 163.49E 0 4.1,3.8b
MOS X 27 19 22 58.8–1.0 58.13N 163.65E 14 4.1b,3.8b
ISCJB X 27 19 23 01.0–.63 58.20N–.09 163.6E–.20 33 3.8b,3.8b
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC XI 04 18 02 25.8–.48 52.03N–.08 156.1E–.10 221–4 3.3b 69 1-78
ISCJB XI 04 18 02 24.9–.48 52.10N–.08 156.0E–.10 225–5 3.3b ¶12072274
KRSC XI 04 18 02 24.2–.60 51.69N 156.78E 233–52 3.8L
MOS XI 04 18 02 24.8–.76 52.12N 156.02E 226 3.6b
IDC XI 04 18 02 26.0–1.3 52.05N 155.97E 223–12 3.4,3.3
NEIC XI 04 18 02 25.4–.55 52.03N 155.99E 218–5 3.9b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.8km az=151.6.
KRSC Event type se.
MOS Error ellipse: s-maj=22.5km s-min=13.3km az=81.8.
IDC Error ellipse: s-maj=16.7km s-min=12.2km az=142.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.8km az=163.0.
KRSC XI 08 22 01 06.3–1.2 55.10N 160.84E 136–45 4.2L

¶12835512
KRSC Event type se.
ISC XI 10 20 49 50.8–.32 54.44N–.05 158.83E–.09 208–3 3.2b 81 1-81
ISCJB XI 10 20 49 49.7–.33 54.45N–.05 158.77E–.09 213–3 3.2b ¶12073104
MOS XI 10 20 49 49.0–.96 54.69N 158.66E 205 3.6b
KRSC XI 10 20 49 49.4–.10 54.36N 159.24E 215–25 4.0L
IDC XI 10 20 49 50.1–.76 54.62N 158.60E 199–9 3.4,3.2
NEIC XI 10 20 49 50.1–.64 54.65N 158.58E 198–7 4.2b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.0km az=37.1.

MOS Error ellipse: s-maj=24.3km s-min=15.1km az=80.6.
KRSC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=11.0km az=167.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.4km az=162.0.
KRSC XI 20 10 33 28.2–1.1 55.02N 160.62E 133–37 3.6L
¶12835532

KRSC Event type se.
KRSC XI 22 02 37 21.9–.70 52.38N 157.60E 172–32 3.7L
¶12835533

KRSC Event type se.
KRSC XI 24 20 08 29.3–.30 52.95N 157.33E 290–39 3.7L
¶12835537

KRSC Event type se.
KRSC XI 26 08 23 23.8–2.3 53.95N 155.97E 553–63 4.3L
MOS XI 26 08 23 23.8–1.2 54.00N 156.00E 550 4.0b **¶12835541**
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=78.0km az=33.7.
ISC XI 29 07 08 05.4–1.3 54.1N–.40 155.6E–.70 525–40 3.5b 33 1-58
KRSC XI 29 07 08 00.4–1.6 53.99N 155.66E 572–51 4.3L **¶12075232**
MOS XI 29 07 08 03.4–.96 53.83N 155.88E 557 4.2b
ISCJB XI 29 07 08 04.5–1.2 54.2N–.40 155.6E–.60 529–39 3.5b
IDC XI 29 07 08 04.2–2.8 53.46N 155.43E 544–54 2.9b,2.9
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=36.6km s-min=25.3km az=116.6.
ISCJB Event type se. Error ellipse: s-maj=83.1km s-min=23.7km az=138.2.
IDC Error ellipse: s-maj=118.7km s-min=51.9km az=134.0.
KRSC XI 29 15 52 16.0–1.3 55.43N 160.48E 193–43 3.6L
¶12835546

KRSC Event type se.
KRSC XII 12 04 58 10.8–.40 52.64N 157.87E 162–28 3.9L
¶12835564

KRSC Event type se.
IDC XII 16 02 29 14.3–1.5 54.83N 157.64E 287–16 3.4,3.1
¶12077700

IDC Error ellipse: s-maj=34.9km s-min=20.8km az=134.0.
KRSC XII 17 21 03 53.8–.60 52.27N 156.84E 210–30 3.5L
¶12835569

KRSC Event type se.
KRSC XII 24 12 34 35.6–.80 55.56N 160.46E 199–21 3.9L
¶12835580

KRSC Event type se.

(218) Near east coast of Kamchatka Peninsula.
KRSC VII 04 12 52 44.1–.90 53.40N 160.50E 42–31 3.6L
¶12835149

KRSC Event type se.
KRSC VII 04 23 45 26.1–.50 55.87N 162.75E 20–20 3.5L
¶12835148

KRSC Event type se.
ISC VII 07 01 14 19.0–.39 53.49N–.05 158.89E–.10 143–3 3.7b 49 0-86
ISCJB VII 07 01 14 17.9–.39 53.49N–.05 158.9E–.10 146–3 3.7b **¶11810841**
MOS VII 07 01 14 17.6–.50 53.71N 158.42E 140 3.8b
KRSC VII 07 01 14 18.3–.10 53.49N 159.00E 141–21 3.9L
IDC VII 07 01 14 19.2–.55 53.55N 158.41E 146–8 3.7,3.5b
NEIC VII 07 01 14 19.2–.51 53.52N 158.47E 146–6 3.7,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.6km az=37.3.
MOS Error ellipse: s-maj=40.2km s-min=20.4km az=79.9.
KRSC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=16.7km az=175.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=13.4km az=180.0.
KRSC VII 07 01 59 19.9–.60 56.02N 163.65E 15–15 4.0L
MOS VII 07 01 59 14.2–1.9 56.09N 164.35E 17 4.2b **¶12787896**
KRSC Event type se.
MOS Error ellipse: s-maj=44.4km s-min=32.3km az=144.7.
ISC VII 07 22 26 36.1–.68 55.81N–.03 162.49E–.05 33–6 4.0b 66 0-68
IDC VII 07 22 26 32.0–1.5 56.02N 162.30E 0 3.8,3.6b **¶11810939**
MOS VII 07 22 26 33.3–1.4 55.84N 162.53E 25 4.3b,3.6b
KRSC VII 07 22 26 33.9–.60 55.75N 162.46E 23–23 4.2L,3.6b
ISCJB VII 07 22 26 35.4–.41 55.79N–.03 162.49E–.05 48–5 4.0b,3.6b
NEIC VII 07 22 26 36.8–.51 55.99N 162.19E 35 4.2b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=53.2km s-min=19.6km az=135.0.
MOS Error ellipse: s-maj=20.2km s-min=9.3km az=72.6.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.2km az=10.3.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.1km az=125.0.
KRSC VII 08 09 37 56.7–1.7 54.98N 162.30E 33–32 3.6L
¶12835164

KRSC Event type se.
KRSC VII 09 21 31 23.3–.20 53.56N 160.82E 40–29 3.6L
¶12835167

KRSC Event type se.
KRSC VII 11 16 57 57.7–.60 56.33N 163.52E 14–15 3.7L
¶12835186

KRSC Event type se.
ISC VII 11 19 30 26.7–.68 55.22N–.03 161.82E–.06 92–9 45 1-6
ISCJB VII 11 19 30 25.8–.64 55.22N–.03 161.82E–.06 95–8 **¶12787939**
KRSC VII 11 19 30 25.6–.50 55.22N 161.80E 82–72 4.0L
MOS VII 11 19 30 26.0–.56 55.21N 161.80E 81 4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.6km az=19.1.
KRSC Event type se.
MOS Error ellipse: s-maj=37.0km s-min=14.0km az=76.4.
KRSC VII 12 13 38 14.3–.80 51.97N 158.87E 38–37 3.5L
¶12835192

KRSC Event type se.
KRSC VII 17 07 28 38.6–.70 53.97N 160.72E 34–24 3.9L
¶12835217

KRSC Event type se.
KRSC VII 17 09 24 24.8–.30 56.12N 163.33E 11–10 3.5L
¶12835215

KRSC Event type se.
KRSC VII 19 22 23 39.1–.00 51.25N 157.76E 96–96 3.6L
¶12835233

KRSC Event type se.
KRSC VII 20 02 29 40.5–.10 54.12N 159.78E 137–26 3.6L
¶12835237

KRSC Event type se.
ISC VII 20 15 32 25.3–.26 55.75N–.03 161.21E–.07 158–1 3.7b 92 0-82
ISCJB VII 20 15 32 24.2–.26 55.77N–.03 161.23E–.06 162–1 3.7b **¶11812189**
MOS VII 20 15 32 24.1–.92 55.87N 161.05E 160 4.3b
KRSC VII 20 15 32 24.0–1.1 55.69N 161.33E 157–36 4.4L
NEIC VII 20 15 32 25.9–.87 55.85N 160.96E 160–9 4.3b
IDC VII 20 15 32 26.3–2.2 55.89N 160.89E 161–22 3.6,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.8km az=35.0.
MOS Error ellipse: s-maj=15.1km s-min=8.1km az=79.7.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.0km az=157.0.
IDC Error ellipse: s-maj=15.6km s-min=10.2km az=155.0.
KRSC VII 20 22 31 35.3–.50 53.11N 160.53E 39–38 3.8L
¶12835236

KRSC Event type se.
KRSC VII 22 20 56 24.4–.10 54.09N 161.67E 15–15 3.5L
¶12835248

KRSC Event type se.
KRSC VII 22 23 32 47.4–.90 53.22N 160.29E 49–31 3.9L
¶12835247

KRSC Event type se.

ISC VII 24 00 42 03.4–.66 53.86N–.04 160.68E–.08 101–9 41 1-4
ISCJB VII 24 00 42 02.5–.65 53.86N–.04 160.69E–.08 104–8 **¶12835262**
MOS VII 24 00 42 02.1–.39 53.86N 160.57E 112 4.2b
KRSC VII 24 00 42 02.9–.60 53.89N 160.66E 86–76 4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=3.9km az=32.3.
MOS Error ellipse: s-maj=36.5km s-min=13.0km az=80.2.
KRSC Event type se.
KRSC VII 24 01 16 08.3–.40 54.11N 161.67E 26–15 3.7L
¶12835261

KRSC Event type se.
ISC VII 24 14 27 30.0–.53 53.32N–.03 160.54E–.08 55–4 4.1b,3.5s 92 0-143
ISCJB VII 24 14 27 28.6–.53 53.32N–.03 160.58E–.08 60–4 4.1b,3.5s **¶11812527**
MOS VII 24 14 27 28.3–1.3 53.43N 160.43E 55 4.3b,3.5s
KRSC VII 24 14 27 28.7–.20 53.34N 160.64E 38–28 4.8L,3.5s
NEIC VII 24 14 27 30.6–1.4 53.55N 160.29E 55–12 4.6b,3.5s
IDC VII 24 14 27 32.4–2.2 53.58N 160.31E 71–18 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=3.2km az=32.7.
MOS Error ellipse: s-maj=13.6km s-min=7.7km az=74.9.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=11.1km az=124.0.
IDC Error ellipse: s-maj=22.9km s-min=16.5km az=136.0.
ISC VII 28 19 49 40.5–.55 52.84N–.06 158.8E–.10 99–4 3.4b 32 0-71
MOS VII 28 19 49 38.7–1.2 53.00N 158.47E 107 4.0b **¶12698471**
ISCJB VII 28 19 49 39.4–.56 52.84N–.06 158.8E–.10 104–4 3.4b
KRSC VII 28 19 49 39.2–.60 52.75N 158.95E 98–38 4.2L
IDC VII 28 19 49 40.8–1.1 52.99N 158.39E 109–6 3.4,3.1b
ISC Event type se.
MOS Error ellipse: s-maj=35.8km s-min=16.1km az=61.1.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=5.3km az=44.9.
KRSC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=21.9km az=142.0.
ISC VII 28 20 07 24.6–.81 54.56N–.03 162.36E–.06 31–6 3.6b 43 0-82
IDC VII 28 20 07 18.0–2.2 54.85N 162.50E 0 3.6b,3.6 **¶12698472**
MOS VII 28 20 07 21.0–.33 54.88N 162.49E 31 4.4b,3.6
ISCJB VII 28 20 07 24.0–.54 54.55N–.03 162.36E–.06 45–8 3.6b,3.6
KRSC VII 28 20 07 24.3–.80 54.54N 162.29E 31–15 4.0L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=54.7km s-min=30.6km az=115.0.
MOS Error ellipse: s-maj=74.6km s-min=35.7km az=59.3.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.3km az=19.9.
KRSC Event type se.
KRSC VII 29 10 38 17.3–.70 54.85N 162.95E 40–30 3.6L
¶12835306

KRSC Event type se.
KRSC VII 29 16 00 52.5–1.5 51.19N 158.03E 106–106 3.6L
¶12835305

KRSC Event type se.
ISC VIII 03 07 20 00.1–.90 55.40N–.04 161.23E–.08 150–8 43 1-3
KRSC VIII 03 07 19 58.7–.50 55.39N 161.22E 153–32 4.3L **¶12835335**
ISCJB VIII 03 07 19 59.8–.89 55.38N–.04 161.24E–.08 147–8 4.3L
MOS VIII 03 07 19 59.1–.42 55.38N 161.27E 154 4.2b
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=26.8.
MOS Error ellipse: s-maj=62.2km s-min=19.0km az=77.9.
KRSC VIII 04 05 26 44.0–.80 54.06N 160.56E 17–17 3.5L
¶12835337

KRSC Event type se.
KRSC VIII 04 07 05 52.8–.60 51.38N 157.97E 120–39 3.9L
¶12835336

KRSC Event type se.
ISC VIII 04 12 46 02.2–.40 55.73N–.03 162.22E–.05 43–8 3.6b 40 1-69
IDC VIII 04 12 45 57.1–1.5 56.00N 162.12E 0 3.8,3.7b **¶12580922**
ISCJB VIII 04 12 46 01.3–.40 55.71N–.03 162.21E–.05 52–7 3.6b,3.7b
KRSC VIII 04 12 46 01.2–1.1 55.71N 162.19E 38–38 3.8L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=45.7km s-min=28.4km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.6km az=18.3.
KRSC Event type se.
KRSC VIII 07 12 44 07.9–.20 53.25N 160.35E 60–59 3.5L
¶12835341

KRSC Event type se.
KRSC VIII 07 16 21 32.9–.60 53.57N 160.83E 38–28 3.7L
¶12835340

KRSC Event type se.
KRSC VIII 08 09 35 23.4–.50 51.31N 157.01E 124–124 3.7L
¶12835343

KRSC Event type se.
ISC VIII 09 02 35 58.0–.32 53.77N–.03 160.68E–.04 61–3 4.3b 448 1-147
IDC VIII 09 02 35 49.8–.83 53.96N 160.49E 0 4.4,4.3 **¶11160919**
MOS VIII 09 02 35 54.9–1.2 54.02N 160.52E 42 4.6b,4.3
BJI VIII 09 02 35 55.5 53.66N 160.44E 40 4.6b,4.4b
KRSC VIII 09 02 35 56.3–.40 53.71N 160.84E 38–28 4.7L,4.4b
ISCJB VIII 09 02 35 56.6–.31 53.75N–.03 160.73E–.04 67–3 4.3b,4.4b
NEIC VIII 09 02 35 56.6–1.1 54.02N 160.48E 44–11 4.5b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=13.8km az=168.0.
MOS Error ellipse: s-maj=12.3km s-min=6.6km az=74.2.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.2km az=140.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.1km az=177.0.
ISC VIII 09 20 15 46.5–1.5 55.16N–.03 162.76E–.06 19–10 3.6b 42 1-68
IDC VIII 09 20 15 43.0–4.9 55.27N 162.35E 0 3.9,3.6b **¶12580997**
KRSC VIII 09 20 15 45.9–.40 55.15N 162.71E 24–24 4.3L,3.6b
MOS VIII 09 20 15 45.0–1.3 55.16N 162.83E 19 4.4b,3.6b
ISCJB VIII 09 20 15 46.0–.96 55.13N–.03 162.77E–.06 23–8 3.6b,3.6b
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC VIII 10 14 28 30.4–.45 51.48N–.06 157.21E–.10 111–3 3.8b 60 1-89
ISCJB VIII 10 14 28 29.3–.46 51.47N–.06 157.22E–.10 116–3 3.8b **¶11652874**
MOS VIII 10 14 28 29.3–.89 51.54N 157.12E 115 4.0b
NEIC VIII 10 14 28 30.2–.57 51.61N 157.16E 106 4.3b
IDC VIII 10 14 28 30.5–.97 51.66N 157.18E 108–7 3.8,3.7
KRSC VIII 10 14 28 31.3–.60 51.38N 157.67E 60–50 4.3L,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=4.6km az=43.3.
MOS Event type fe. Error ellipse: s-maj=17.2km s-min=8.6km az=68.9. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.1km az=154.0.
IDC Error ellipse: s-maj=20.3km s-min=12.2km az=160.0.
KRSC Event type se.
KRSC VIII 10 21 20 55.9–.10 54.45N 162.69E 34–23 3.6L
¶12835346

KRSC Event type se.
KRSC VIII 11 19 14 01.1–.70 53.26N 158.03E 184–33 3.6L
¶12835350

KRSC Event type se.
KRSC VIII 12 09 35 03.7–.60 54.26N 160.95E 19–19 3.9L
¶12835352

KRSC Event type se.
KRSC VIII 12 19 42 28.3–2.0 53.99N 160.55E 67–67 3.6L
¶12835351

KRSC Event type se.
ISC VIII 13 08 54 18.4–.47 53.69N–.03 160.86E–.07 47–6 3.8b 61 1-70
IDC VIII 13 08 54 12.3–1.3 53.94N 160.65E 0 4.1,3.8b **¶11908144**
MOS VIII 13 08 54 15.6–2.4 53.67N 160.95E 25 4.1b,3.8b
ISCJB VIII 13 08 54 17.4–.46 53.70N–.03 160.89E–.07 51–6 3.8b,3.8b
KRSC VIII 13 08 54 17.6–.50 53.73N 160.81E 28–18 4.4L,3.8b

NEIC VIII 13 08 54 18.5–1.4 54.05N 160.29E 49–17 4.4L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=24.4km az=145.0.
MOS Error ellipse: s-maj=15.9km s-min=8.9km az=70.1.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.2km az=29.1.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=7.3km az=153.0.
KRSC VIII 13 23 07 40.7–2.4 51.66N 157.71E 51–50 3.7L
¶12835354

KRSC Event type se.
ISC VIII 14 01 31 00.4–.47 54.37N–.03 160.51E–.08 92–6 3.4b 31 1-70
IDC VIII 14 01 30 43.1–15 54.63N 158.59E 0 4.0,3.5b **¶12581070**
ISCJB VIII 14 01 30 59.4–.49 54.35N–.03 160.53E–.08 99–5 3.4b,3.5b
KRSC VIII 14 01 30 59.6–.80 54.39N 160.48E 83–72 3.8L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=362.7km s-min=116.6km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.1km az=27.8.
KRSC Event type se.
KRSC VIII 14 21 46 56.8–1.2 54.30N 160.08E 110–49 3.7L
¶12835357

KRSC Event type se.
KRSC VIII 14 23 39 11.5–.50 54.94N 162.31E 29–19 3.7L
¶12835356

KRSC Event type se.
KRSC VIII 15 06 03 00.9–.80 52.25N 158.74E 62–58 3.8L
¶12835361

KRSC Event type se.
KRSC VIII 16 14 50 57.2–.70 54.18N 161.53E 40–30 4.0L
¶12835362

KRSC Event type se.
KRSC VIII 17 09 10 03.9–.70 54.07N 161.21E 38–27 3.6L
¶12835363

KRSC Event type se.
KRSC VIII 21 04 34 27.1–1.1 54.00N 160.40E 92–82 3.7L
¶12835370

KRSC Event type se.
KRSC VIII 23 23 02 14.3–.60 53.37N 160.53E 39–38 3.7L
¶12835373

KRSC Event type se.
KRSC VIII 24 15 41 18.6–.60 55.59N 161.39E 114–34 3.7L
¶12835375

KRSC Event type se.
ISC VIII 24 18 23 49.8–.36 55.66N–.03 161.92E–.06 91–3 3.7b 60 1-87
IDC VIII 24 18 23 38.6–.75 55.69N 161.58E 0 4.1,3.8b **¶11908706**
ISCJB VIII 24 18 23 48.7–.36 55.65N–.03 161.91E–.06 97–3 3.7b,3.8b
MOS VIII 24 18 23 48.7–1.1 55.74N 161.74E 99 4.1b,3.8b
KRSC VIII 24 18 23 49.7–.90 55.58N 161.91E 69–68 4.3L,3.8b
NEIC VIII 24 18 23 51.0–1.7 55.70N 161.53E 100–16 4.3L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=19.6km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=15.0.
MOS Error ellipse: s-maj=24.3km s-min=10.6km az=84.1.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=14.4km az=113.0.
KRSC VIII 24 19 49 22.1–1.4 55.94N 161.55E 80–50 3.6L
¶12835374

KRSC Event type se.
KRSC VIII 25 00 12 56.3–.70 51.08N 158.14E 40–40 4.2L
¶12835377

KRSC Event type se.
KRSC VIII 26 13 30 28.7–.80 52.43N 158.51E 118–37 3.5L
¶12835379

KRSC Event type se.
KRSC VIII 27 15 40 48.7–.70 55.66N 162.35E 19–18 3.7L
¶12835382

KRSC Event type se.
KRSC VIII 27 15 41 05.1–1.1 54.45N 160.56E 89–89 3.6L
¶12835383

KRSC Event type se.
ISC VIII 28 21 09 20.7–.57 52.10N–.05 158.69E–.08 68–5 3.7b 54 1-75
ISCJB VIII 28 21 09 19.7–.56 52.12N–.05 158.69E–.09 78–5 3.7b **¶11909027**
MOS VIII 28 21 09 20.2–1.0 52.21N 158.61E 81 4.3b
KRSC VIII 28 21 09 20.5–.80 52.13N 158.68E 61–40 4.2L
NEIC VIII 28 21 09 22.1–.92 52.23N 158.48E 80–8 4.3b
IDC VIII 28 21 09 22.3–2.2 52.15N 158.54E 82–18 3.6,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=4.7km az=43.8.
MOS Error ellipse: s-maj=20.0km s-min=8.7km az=72.8.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=7.5km az=139.0.
IDC Error ellipse: s-maj=30.6km s-min=16.6km az=138.0.
ISC VIII 29 00 50 43.3–.69 54.26N–.03 161.3E–.10 61–5 4.1b 75 0-81
IDC VIII 29 00 50 35.8–1.0 54.42N 161.35E 0 4.0,3.8b **¶11909041**
NEIC VIII 29 00 50 38.2–.70 54.42N 161.87E 35 4.3b,3.8b
MOS VIII 29 00 50 41.3–1.9 54.31N 161.28E 56 4.4b,3.8b
ISCJB VIII 29 00 50 42.1–.66 54.25N–.03 161.37E–.10 67–5 4.0b,3.8b
KRSC VIII 29 00 50 43.2–.00 54.29N 161.25E 30–13 4.3L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=19.4km az=123.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=9.6km az=132.0.
MOS Error ellipse: s-maj=20.6km s-min=8.9km az=80.5.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=3.6km az=23.0.
KRSC Event type se.
KRSC VIII 31 04 29 05.6–.90 54.34N 160.02E 129–38 3.7L
¶12835390

KRSC Event type se.
ISC IX 01 09 05 32.4–.52 55.00N–.02 161.72E–.07 88–7 3.4b 48 0-69
IDC IX 01 09 05 21.7–1.5 56.00N 161.16E 0 3.6,3.5b **¶11909210**
ISCJB IX 01 09 05 31.4–.51 55.00N–.02 161.72E–.06 92–7 3.4b,3.5b
KRSC IX 01 09 05 31.7–.70 55.03N 161.65E 86–55 4.2L,3.5b
MOS IX 01 09 05 31.3–.18 54.98N 161.72E 91 4.2b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=21.4km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=12.8.
KRSC Event type se.
MOS Error ellipse: s-maj=28.5km s-min=12.4km az=74.4.
KRSC IX 01 10 07 13.7–.40 55.54N 161.80E 75–75 3.7L
¶12835393

KRSC Event type se.
KRSC IX 02 12 30 58.2–.90 54.51N 160.86E 65–65 3.6L
¶12835397

KRSC Event type se.
KRSC IX 03 10 33 38.3–.60 51.52N 157.57E 86–75 3.5L
¶12835398

KRSC Event type se.
ISC IX 04 15 49 34.0–.69 51.58N–.08 158.0E–.10 77–8 3.5b 40 1-78
MOS IX 04 15 49 31.5–1.7 51.70N 157.59E 67 4.2b **¶11909468**
KRSC IX 04 15 49 32.2–.90 51.56N 158.15E 72–68 4.3L
ISCJB IX 04 15 49 33.0–.68 51.61N–.08 158.0E–.10 88–7 3.5b
NEIC IX 04 15 49 35.9–1.3 51.91N 157.77E 102–11 4.1b
IDC IX 04 15 49 36.2–2.2 51.79N 157.63E 107–21 3.5,3.2
ISC Event type se.
MOS Error ellipse: s-maj=26.8km s-min=9.7km az=71.1.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=5.5km az=137.9.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=12.0km az=154.0.
IDC Error ellipse: s-maj=38.1km s-min=18.8km az=144.0.
ISC IX 04 17 07 58.9–1.0 55.77N–.05 161.25E–.08 160–7 38 0-3
KRSC IX 04 17 07 57.3–.30 55.76N 161.26E 164–23 4.0L **¶12835401**
ISCJB IX 04 17 07 58.7–1.0 55.75N–.05 161.25E–.08 157–8 4.0L
MOS IX 04 17 07 58.6–.49 55.77N 161.14E 152 4.2b

ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.7km az=139.5.
MOS Error ellipse: s-maj=41.8km s-min=17.1km az=80.4.
KRSC IX 04 21 33 34.4–1.3 51.81N 157.79E 189–78 3.9L
¶12835400

KRSC Event type se.
KRSC IX 05 04 53 25.5–1.2 55.62N 161.80E 66–66 3.6L
¶12835406

KRSC Event type se.
KRSC IX 05 10 17 25.6–.20 56.21N 163.36E 15–15 3.7L
¶12835404

KRSC Event type se.
KRSC IX 05 13 06 40.6–.20 55.52N 161.72E 80–79 3.7L
¶12835403

KRSC Event type se.
KRSC IX 05 15 16 54.3–.70 54.75N 162.49E 27–17 3.7L
¶12835402

KRSC Event type se.
ISC IX 08 09 33 26.8–.49 52.60N–.07 158.3E–.10 114–4 3.3b 31 0-79
ISCJB IX 08 09 33 25.7–.48 52.61N–.07 158.4E–.10 120–4 3.3b **¶11909810**
MOS IX 08 09 33 25.1–.78 52.77N 158.06E 124 3.9b
IDC IX 08 09 33 26.5–2.0 52.63N 158.00E 119–32 3.5,3.2
KRSC IX 08 09 33 27.6–.60 52.65N 158.43E 105–25 3.7L,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=6.9km az=136.4.
MOS Error ellipse: s-maj=82.8km s-min=21.7km az=66.4.
IDC Error ellipse: s-maj=131.2km s-min=17.6km az=135.0.
KRSC Event type se.
ISC IX 08 23 12 08.5–.43 55.50N–.03 162.90E–.05 45–5 4.1b 76 1-145
IDC IX 08 23 12 03.9–1.2 55.00N 163.56E 0 4.1,3.9 **¶11909851**
ISCJB IX 08 23 12 07.5–.42 55.48N–.03 162.90E–.05 52–4 4.1b,3.9
KRSC IX 08 23 12 07.8–.60 55.49N 162.81E 39–28 4.3L,3.9
MOS IX 08 23 12 07.0–.98 55.52N 162.90E 44 4.3b,3.9
NEIC IX 08 23 12 08.8–1.2 55.66N 162.62E 48–13 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=23.0km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.5km az=26.9.
KRSC Event type se.
MOS Error ellipse: s-maj=17.9km s-min=9.3km az=64.2.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=7.5km az=154.0.
KRSC IX 09 22 18 55.6–1.1 54.43N 162.83E 41–31 3.5L
¶12835415

KRSC Event type se.
ISC IX 11 10 03 40.1–.85 54.82N–.02 162.48E–.05 18–5 3.9b,3.4s 102 1-85
MOS IX 11 10 03 37.7–1.3 54.77N 162.51E 12 4.2b,3.4s **¶13394070**
IDC IX 11 10 03 37.2–.67 55.01N 161.92E 0 4.3,4.1
ISCJB IX 11 10 03 40.0–.79 54.80N–.02 162.49E–.05 28–6 3.9b,3.4s
KRSC IX 11 10 03 39.3–.10 54.82N 162.47E 24–24 4.6L,3.4s
NEIC IX 11 10 03 42.6–1.5 55.11N 161.89E 37–16 3.6b,3.4s
ISC Event type se.
MOS Error ellipse: s-maj=15.4km s-min=8.0km az=72.9.
IDC Error ellipse: s-maj=22.9km s-min=17.0km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.5km az=8.6.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=10.6km az=160.0.
ISC IX 11 22 58 11.6–.50 53.74N–.03 160.68E–.08 63–5 3.9b 93 1-80
MOS IX 11 22 58 09.6–1.0 53.73N 160.68E 60 4.1b **¶11910074**
ISCJB IX 11 22 58 10.5–.50 53.75N–.03 160.70E–.08 71–5 3.8b
KRSC IX 11 22 58 10.9–.60 53.76N 160.77E 33–23 4.4L
NEIC IX 11 22 58 12.8–.89 53.89N 160.35E 72–9 4.1b
IDC IX 11 22 58 14.3–1.8 53.92N 160.34E 82–18 3.8,3.6
ISC Event type se.
MOS Error ellipse: s-maj=20.6km s-min=8.7km az=68.6.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=3.4km az=29.9.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=8.0km az=146.0.
IDC Error ellipse: s-maj=24.7km s-min=15.4km az=158.0.
KRSC IX 11 22 59 48.3–.60 53.75N 160.63E 40–29 3.8L
¶12835417

KRSC Event type se.
ISC IX 14 19 07 07.9–.98 54.81N–.03 162.46E–.07 18–6 43 0-3
ISCJB IX 14 19 07 07.8–.93 54.79N–.03 162.46E–.07 24–8 **¶12835425**
KRSC IX 14 19 07 07.2–.20 54.79N 162.45E 25–24 4.1L
MOS IX 14 19 07 08.5–1.1 54.77N 162.45E 32 4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.5km az=30.0.
KRSC Event type se.
MOS Error ellipse: s-maj=26.6km s-min=14.4km az=74.9.
KRSC IX 15 00 23 07.8–.50 54.33N 161.89E 35–24 3.7L
¶12835428

KRSC Event type se.
ISC IX 15 07 24 28.8–.95 54.80N–.03 162.50E–.06 16–5 3.8b 73 1-82
IDC IX 15 07 24 26.2–.79 54.99N 162.00E 0 4.0,3.9 **¶13394370**
ISCJB IX 15 07 24 28.7–.89 54.77N–.03 162.52E–.06 25–7 3.8b,3.9
KRSC IX 15 07 24 28.7–.50 54.80N 162.45E 25–25 4.6L,3.9
MOS IX 15 07 24 29.0–.82 54.76N 162.44E 28 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=17.4km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=32.4.
KRSC Event type se.
MOS Error ellipse: s-maj=17.7km s-min=8.7km az=66.3.
ISC IX 18 11 58 51.2–.07 51.95N–.02 158.29E–.02 67 5.6b 1901 1-156
MOS IX 18 11 58 46.2–1.0 51.90N 158.31E 43 5.9b,5.6s **¶13394602**
BJI IX 18 11 58 47.8 52.00N 158.47E 70 5.6s,5.6b
NEIC IX 18 11 58 47.5–.10 51.94N 158.36E 35 5.9W,5.8b
IDC IX 18 11 58 48.6–1.2 51.98N 158.29E 47–10 5.4,5.4
KRSC IX 18 11 58 49.5–1.7 51.82N 158.88E 37–36 5.6L,5.4
ISCJB IX 18 11 58 49.0–.07 51.87N–.02 158.39E–.02 65 5.6b,5.4
BGS IX 18 11 58 50.8–1.4 51.80N 157.92E 66–0 5.8b,5.4
GCMT IX 18 11 58 53.0–.10 51.78N 158.86E 58–0 5.8W,5.4
DJA IX 18 11 58 56 52.01N 158.58E 122 5.8W,5.4
SZGRF IX 18 11 58 57.4 52.95N 156.16E 33 5.9b,5.6s
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=89.4. Felt (III-IV) at Petropavlovsk-Kamchatskiy, (III) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=1.8km az=171.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000°,δ60.00000° ,λ90.00000°. NP2:ϕ_s210.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000° ,Azm300.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm120.0000° Moment Tensor Solution. s139 Moment tensor: Scale 10^{17}Nm; M_{rr}7.63 $M_{\theta\theta}$-3.10 $M_{\phi\phi}$-4.53 $M_{r\theta}$0.77 $M_{\theta\phi}$-3.67 $M_{\phi r}$1.26 Best double couple: NP1:ϕ_s38.00000°,δ50.00000°,λ88.00000°. NP2:ϕ_s221.00000° ,δ40.00000°,λ92.00000°. Principal axes: T 7.7700,Plg84.0000°,Azm293.0000° ; N -0.0800,Plg1.0000°,Azm39.0000°; P -7.6900,Plg5.0000°,Azm129.0000° $M_0$7.70000×10^{17}
IDC Error ellipse: s-maj=13.0km s-min=8.3km az=143.0.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.4km az=165.9.
BGS Error ellipse: s-maj=158.6km s-min=496.8km az=-1.0.
GCMT Event type se. Data Used: lI lU lC G CN. Surface waves: sta=112, comp=249, per= 50. Moment Tensor Solution. s109,c244; s64,c84; Moment tensor: Scale 10^{17}Nm; M_{rr}6.59±.07 $M_{\theta\theta}$-1.26±.06; $M_{\phi\phi}$-5.32±.06; $M_{r\theta}$1.57±.05; $M_{\theta\phi}$-3.34±.05; $M_{\phi r}$2.08±.05; Best double couple: NP1:ϕ_s206.00000°,δ35.00000°,λ85.00000°. NP2:ϕ_s32.00000°,δ55.00000°,λ94.00000°. Principal axes: T 7.0800,Plg79.0000°,Azm316.0000°; N 0.6000,Plg3.0000°,Azm210.0000° ; P -7.6700,Plg10.0000°,Azm120.0000° $M_0$7.40000×10^{17}
SZGRF Kamchatka Peninsula, Russia.
KRSC IX 22 19 24 39.7–.80 55.70N 162.14E 24–24 3.8L
¶12835438

KRSC Event type se.
KRSC IX 25 05 13 56.3–.10 54.78N 161.88E 32–32 3.7L
¶12835442

KRSC Event type se.
KRSC IX 25 14 19 16.5–.70 51.61N 158.05E 101–101 3.8L
¶12835441

KRSC Event type se.
KRSC IX 25 22 59 21.2–1.3 51.28N 157.59E 116–116 3.8L
¶12835440

KRSC Event type se.
KRSC IX 26 06 07 13.2–.20 55.02N 162.82E 5–5 4.0L
¶12835443

KRSC Event type se.
KRSC IX 27 04 35 15.2–.50 53.50N 160.43E 57–47 3.7L
¶12835445

KRSC Event type se.
KRSC IX 28 19 48 52.5–.20 54.44N 160.57E 110–30 3.5L
¶12835446

KRSC Event type se.
ISC IX 29 05 29 54.5–.40 54.09N–.03 161.20E–.06 67–5 3.8b 86 1-144
MOS IX 29 05 29 52.8–.73 54.05N 161.28E 65 4.3b **¶11911319**
ISCJB IX 29 05 29 53.4–.40 54.08N–.03 161.23E–.06 72–4 3.8b
KRSC IX 29 05 29 53.7–.50 54.12N 161.12E 63–56 4.6L
NEIC IX 29 05 29 55.8–1.2 54.25N 160.77E 86–11 4.0b
IDC IX 29 05 29 56.8–1.7 54.32N 160.69E 93–17 4.0,3.7b
ISC Event type se.
MOS Error ellipse: s-maj=23.9km s-min=9.3km az=73.2.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.3km az=30.6.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=12.9km az=146.0.
IDC Error ellipse: s-maj=32.5km s-min=14.8km az=144.0.
KRSC IX 30 09 23 05.4–.50 53.36N 160.54E 46–35 3.7L
¶12835451

KRSC Event type se.
KRSC IX 30 14 03 11.2–.40 56.38N 163.28E 9–11 3.7L
¶12835449

KRSC Event type se.
ISC IX 30 15 22 28.4–.48 54.50N–.03 160.43E–.10 117–5 3.1b 43 1-81
ISCJB IX 30 15 22 27.5–.48 54.50N–.03 160.42E–.10 121–4 3.1b **¶11911462**
KRSC IX 30 15 22 27.6–.70 54.52N 160.37E 116–45 3.6L
IDC IX 30 15 22 28.2–5.1 53.74N 161.19E 98–59 3.4,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.5km az=22.0.
KRSC Event type se.
IDC Error ellipse: s-maj=125.2km s-min=29.2km az=142.0.
KRSC IX 30 23 43 15.7–.60 51.48N 157.67E 101–70 3.6L
¶12835454

KRSC Event type se.
KRSC X 03 05 31 04.2–1.0 51.98N 157.86E 136–36 3.6L
¶12835463

KRSC Event type se.
ISC X 03 22 47 48.5–.62 53.63N–.04 160.86E–.09 52–6 3.6b 72 1-74
IDC X 03 22 47 43.5–1.6 54.15N 160.54E 0 3.9,3.7b **¶12065833**
ISCJB X 03 22 47 47.5–.62 53.64N–.04 160.88E–.09 58–6 3.6b,3.7b
MOS X 03 22 47 47.3–1.4 53.69N 160.77E 54 4.3b,3.7b
NEIC X 03 22 47 47.9–.93 54.01N 160.58E 35 3.7b,3.7b
KRSC X 03 22 47 48.8–.60 53.67N 160.74E 38–27 4.1L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=20.6km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=3.8km az=35.3.
MOS Error ellipse: s-maj=24.7km s-min=11.2km az=68.6.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=10.9km az=137.0.
KRSC Event type se.
KRSC X 05 04 57 51.4–1.1 54.42N 160.77E 78–57 3.7L
¶12835466

KRSC Event type se.
KRSC X 07 14 47 09.2–.90 54.43N 160.76E 77–56 3.6L
¶12835469

KRSC Event type se.
KRSC X 08 16 05 26.2–.60 55.49N 162.85E 33–22 3.5L
¶12835470

KRSC Event type se.
KRSC X 10 08 29 20.6–.70 55.48N 162.78E 28–18 3.8L
¶12835473

KRSC Event type se.
KRSC X 10 10 47 58.1–.90 55.24N 162.29E 59–50 3.5L
¶12835472

KRSC Event type se.
ISC X 11 10 46 30.1–.37 55.07N–.02 161.81E–.06 68–4 3.9b 99 1-145
ISCJB X 11 10 46 29.1–.37 55.06N–.02 161.80E–.06 74–4 3.9b **¶12066582**
MOS X 11 10 46 29.3–1.1 54.97N 161.95E 59 4.6b
NEIC X 11 10 46 30.3–1.6 55.33N 161.47E 75–14 4.4b
KRSC X 11 10 46 30.7–.80 55.07N 161.69E 58–47 4.5L
IDC X 11 10 46 30.9–3.1 55.39N 161.46E 80–28 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=14.0.
MOS Error ellipse: s-maj=18.1km s-min=8.9km az=72.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=14.8km az=155.0.
KRSC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=17.8km az=158.0.
KRSC X 13 19 41 32.2–.50 54.62N 161.58E 41–31 4.0L
¶12835478

KRSC Event type se.
KRSC X 15 13 40 57.1–.60 54.17N 160.51E 101–50 3.9L
¶12835481

KRSC Event type se.
KRSC X 15 20 54 40.7–.80 54.53N 162.62E 28–17 3.6L
¶12835479

KRSC Event type se.
KRSC X 27 11 43 22.8–.40 56.17N 163.77E 15–15 3.5L
¶12835495

KRSC Event type se.
ISC X 30 16 21 37.8–.81 51.02N–.06 158.34E–.09 62–7 3.7b 75 1-77
NEIC X 30 16 21 31.1–5.0 50.72N 157.95E 12–32 4.4b **¶12071640**
ISCJB X 30 16 21 36.1–.86 50.97N–.06 158.43E–.10 70–7 3.6b
MOS X 30 16 21 36.9–1.3 51.14N 158.24E 69 4.5b
KRSC X 30 16 21 36.1–.60 51.03N 158.62E 37–37 4.4L
IDC X 30 16 21 39.8–3.5 51.13N 158.05E 71–31 3.6,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=12.6km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=6.2km az=43.4.
MOS Error ellipse: s-maj=18.8km s-min=9.0km az=79.3.
KRSC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=25.6km az=108.0.
KRSC X 31 02 10 45.3–1.3 54.20N 160.35E 83–73 3.6L
¶12835501

KRSC Event type se.
KRSC XI 01 00 22 13.3–.80 54.65N 162.66E 27–17 3.6L
¶12835504

KRSC Event type se.
ISC XI 01 06 50 36.6–.16 52.01N–.02 158.75E–.03 84 4.5b 506 0-148
MOS XI 01 06 50 32.0–1.4 51.90N 158.76E 60 4.9b **¶13398837**
BJI XI 01 06 50 33.1 52.18N 158.71E 73 4.7s,4.7b
ISCJB XI 01 06 50 34.4–.16 51.96N–.02 158.84E–.03 82 4.5b,4.7b
NEIC XI 01 06 50 34.7–.67 51.94N 158.81E 69–5 4.7b,4.7b
KRSC XI 01 06 50 34.5–.10 52.04N 159.13E 55–55 4.8L,4.7b
IDC XI 01 06 50 36.5–.71 51.99N 158.85E 87–5 4.4,4.4
BGS XI 01 06 50 43.2–2.0 52.89N 155.58E 67–0 4.8b,4.4
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=7.8km s-min=4.1km az=87.2. Felt (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=145.8.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.4km az=172.0.
KRSC Event type se.
IDC Error ellipse: s-maj=9.7km s-min=8.8km az=2.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
KRSC XI 01 23 30 57.4–.70 51.24N 158.19E 122–121 4.0L
¶12835502

KRSC Event type se.
KRSC XI 02 22 14 33.4–.60 53.37N 160.34E 43–32 3.8L
¶12835505

KRSC Event type se.
KRSC XI 03 18 17 27.2–1.1 53.79N 160.28E 61–51 3.6L
¶12835507

KRSC Event type se.
KRSC XI 05 06 01 34.9–.20 54.53N 160.59E 87–27 3.6L
¶12835509

KRSC Event type se.
KRSC XI 08 12 48 48.3–1.2 51.30N 158.20E 17–16 3.5L
¶12835514

KRSC Event type se.
KRSC XI 08 21 15 41.3–.60 53.15N 160.45E 29–29 3.6L
¶12835513

KRSC Event type se.
KRSC XI 11 17 23 50.4–1.0 51.01N 157.75E 63–62 3.8L
¶12835515

KRSC Event type se.
KRSC XI 12 13 21 11.6–.20 55.02N 162.42E 26–26 3.5L
¶12835517

KRSC Event type se.
KRSC XI 12 21 26 08.8–.20 55.01N 161.81E 51–40 4.1L
MOS XI 12 21 26 08.4–.25 54.97N 161.94E 36 4.3b **¶12835516**
KRSC Event type se.
MOS Error ellipse: s-maj=28.4km s-min=11.8km az=76.9.
KRSC XI 14 22 57 46.6–.10 56.22N 163.07E 14–15 3.7L
¶12835521

KRSC Event type se.
KRSC XI 15 04 27 36.6–.30 56.22N 162.97E 15–15 3.6L
¶12835525

KRSC Event type se.
KRSC XI 17 00 50 17.0–.80 53.29N 160.38E 40–30 3.6L
¶12835527

KRSC Event type se.
ISC XI 22 12 06 21.5–.56 55.70N–.02 162.14E–.04 24–5 3.6b 101 1-79
MOS XI 22 12 06 19.1–1.7 55.71N 162.25E 19 4.5b **¶12074495**
KRSC XI 22 12 06 21.7–.70 55.68N 162.03E 22–21 4.3L
IDC XI 22 12 06 22.0–3.5 55.73N 162.11E 36–30 3.9L,3.8
NEIC XI 22 12 06 22.1–1.8 55.83N 162.09E 35–21 3.9L,3.8
ISC Event type se.
MOS Error ellipse: s-maj=16.4km s-min=9.2km az=76.1.
KRSC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=17.2km az=172.0.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=11.7km az=162.0.
KRSC XI 23 22 53 00.6–.30 55.29N 162.36E 27–16 3.7L
¶12835536

KRSC Event type se.
KRSC XI 26 03 07 06.3–1.1 51.18N 158.63E 10–10 3.7L
¶12835542

KRSC Event type se.
KRSC XI 26 23 52 47.1–.80 54.24N 159.13E 193–43 3.6L
¶12835540

KRSC Event type se.
KRSC XI 28 12 22 28.7–.30 51.03N 157.08E 175–13 3.9L
¶12835545

KRSC Event type se.
ISC XI 28 21 55 02.7–.68 51.02N–.05 158.01E–.07 46–6 4.2b 109 1-82
ISCJB XI 28 21 55 01.1–.73 50.99N–.05 158.04E–.07 53–6 4.2b **¶12075190**
KRSC XI 28 21 55 01.2–1.0 51.16N 158.19E 10–10 4.3L
MOS XI 28 21 55 01.4–1.1 51.06N 157.89E 41 4.4b
IDC XI 28 21 55 02.1–.66 50.95N 157.89E 51–6 3.9,3.7
NEIC XI 28 21 55 02.4–.85 51.04N 157.88E 52–8 4.2b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.1km az=138.8.
KRSC Event type se.
MOS Error ellipse: s-maj=14.9km s-min=6.8km az=73.9.
IDC Error ellipse: s-maj=13.2km s-min=8.9km az=101.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.9km az=150.0.
KRSC XII 01 00 11 08.5–.60 51.15N 158.56E 5–5 3.8L
¶12835550

KRSC Event type se.
KRSC XII 01 06 25 11.3–.70 55.30N 161.01E 139–30 3.6L
¶12835549

KRSC Event type se.
KRSC XII 01 12 11 29.2–.70 56.77N 163.11E 11–11 3.8L
¶12835548

KRSC Event type se.
ISC XII 02 15 36 00.9–.66 55.82N–.04 162.58E–.06 44–19 52 0-5
KRSC XII 02 15 35 58.9–.70 55.83N 162.54E 52–51 4.0L **¶12835552**
MOS XII 02 15 35 59.6–1.4 55.83N 162.59E 41 4.2b
ISCJB XII 02 15 36 00.0–.64 55.79N–.04 162.57E–.06 48–14 4.2b
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC XII 03 12 21 15.9–.77 51.71N–.06 158.2E–.10 62–9 3.7b 41 1-72
ISCJB XII 03 12 21 14.8–.77 51.72N–.06 158.3E–.10 71–8 3.6b **¶12075607**
MOS XII 03 12 21 14.0–.73 51.69N 158.32E 70 3.9b
KRSC XII 03 12 21 15.7–.90 51.76N 158.44E 50–39 4.2L
IDC XII 03 12 21 18.4–5.8 52.03N 158.86E 56–60 3.9,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=6.4km az=40.5.
MOS Error ellipse: s-maj=35.1km s-min=11.3km az=82.3.
KRSC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=44.4km az=121.0.
KRSC XII 03 12 31 53.4–.70 54.79N 162.22E 43–43 3.7L
¶12835554

KRSC Event type se.
KRSC XII 04 07 54 40.7–.10 54.42N 161.71E 34–15 3.6L
¶12835558

KRSC Event type se.
ISC XII 06 12 18 30.6–.34 53.26N–.04 159.78E–.06 87–2 4.2b 153 0-144
IDC XII 06 12 18 28.3–3.2 53.41N 159.49E 60–31 4.0,3.9 **¶13402081**
MOS XII 06 12 18 28.7–1.3 53.28N 159.80E 86 4.1b,3.9
ISCJB XII 06 12 18 29.4–.33 53.27N–.04 159.79E–.06 93–2 4.2b,3.9
KRSC XII 06 12 18 29.9–.10 53.24N 159.98E 70–30 4.4L,3.9
NEIC XII 06 12 18 30.7–.63 53.37N 159.62E 85–6 4.6b,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=17.5km s-min=10.9km az=162.0.
MOS Event type fe. Error ellipse: s-maj=13.4km s-min=8.0km az=73.5. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=3.6km az=135.2.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.7km az=168.0.
ISC XII 07 16 26 35.5–.70 51.12N–.07 157.8E–.10 67–9 3.5b 65 1-73
ISCJB XII 07 16 26 33.9–.78 51.07N–.07 157.9E–.10 72–10 3.5b **¶12076225**
KRSC XII 07 16 26 33.8–.50 51.17N 158.01E 10–10 4.4L
MOS XII 07 16 26 34.1–.68 51.11N 157.83E 72 4.1b
NEIC XII 07 16 26 35.7–.95 51.15N 157.79E 72–12 3.9b
IDC XII 07 16 26 36.3–2.6 51.16N 157.86E 76–28 3.7,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=5.2km az=42.5.
KRSC Event type se.
MOS Error ellipse: s-maj=26.1km s-min=8.0km az=66.4.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=7.4km az=136.0.
IDC Error ellipse: s-maj=32.8km s-min=16.9km az=123.0.
KRSC XII 09 09 38 37.3–.70 53.41N 159.00E 165–25 3.7L

¶12835561

KRSC Event type se.
KRSC XII 09 14 12 28.8–.30 54.23N 161.89E 27–17 3.8L

¶12835560

KRSC Event type se.
KRSC XII 11 14 00 05.3–1.9 55.57N 162.12E 67–67 3.5L

¶12835562

KRSC Event type se.
ISC XII 13 01 25 44.0–.48 52.30N–.05 158.50E–.07 95–2 4.0b 198 0-87
MOS XII 13 01 25 40.8–1.1 52.22N 158.27E 80 4.4b ¶13402594
ISCJB XII 13 01 25 43.0–.49 52.29N–.05 158.54E–.07 99–2 4.0b
KRSC XII 13 01 25 43.1–.90 52.19N 158.94E 75–55 4.4L
NEIC XII 13 01 25 44.0–.62 52.31N 158.29E 94–4 4.0b
IDC XII 13 01 25 45.8–.95 52.40N 158.14E 109–5 3.7,3.7
ISC Event type se.
MOS Error ellipse: s-maj=14.7km s-min=6.4km az=87.3.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.8km az=153.5.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.4km az=176.0.
IDC Error ellipse: s-maj=18.0km s-min=12.9km az=154.0.
KRSC XII 13 20 40 48.9–.40 53.52N 158.31E 179–58 3.6L

¶12835565

KRSC Event type se.
ISC XII 14 02 03 08.9–.20 56.21N–.03 161.24E–.05 96–2 4.2b 189 0-146
ISCJB XII 14 02 03 07.7–.20 56.21N–.03 161.24E–.05 102–2 4.2b ¶13402681
MOS XII 14 02 03 07.2–.84 56.24N 161.22E 98 4.3b
KRSC XII 14 02 03 07.5–.60 56.14N 161.37E 98–27 4.6L
IDC XII 14 02 03 09.5–1.8 56.19N 160.98E 107–16 3.9,3.8
NEIC XII 14 02 03 10.6–.67 56.18N 161.03E 118–7 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.8km az=35.7.
MOS Error ellipse: s-maj=12.4km s-min=6.5km az=80.8.
KRSC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=10.4km az=160.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.8km az=169.0.
KRSC XII 14 03 21 16.1–.50 56.13N 163.85E 20–20 4.2L
MOS XII 14 03 21 14.6–.76 56.13N 163.95E 16 4.3b ¶12835568
KRSC Event type se.
MOS Error ellipse: s-maj=21.0km s-min=15.9km az=54.4.
KRSC XII 18 04 05 12.3–.50 51.24N 158.45E 10–10 4.2L
MOS XII 18 04 05 07.3–.89 50.85N 158.54E 13 4.3b ¶12835572
KRSC Event type se.
MOS Error ellipse: s-maj=47.3km s-min=15.3km az=81.5.
KRSC XII 18 08 14 03.7–.60 53.16N 160.90E 21–20 3.9L

¶12835571

KRSC Event type se.
KRSC XII 19 04 06 16.3–.10 54.29N 161.77E 42–21 3.9L

¶12835574

KRSC Event type se.
KRSC XII 19 11 46 33.5–.60 54.41N 160.18E 112–111 3.6L

¶12835573

KRSC Event type se.
KRSC XII 22 06 46 51.0–1.1 54.31N 162.67E 17–16 3.8L

¶12835577

KRSC Event type se.
KRSC XII 23 21 41 11.7–.50 54.30N 159.84E 129–129 3.5L

¶12835578

KRSC Event type se.
KRSC XII 24 08 40 31.2–.60 53.47N 160.64E 41–30 3.6L

¶12835581

KRSC Event type se.
ISC XII 24 22 15 07.5–.61 55.06N–.02 161.87E–.06 65–11 50 1-4
ISCJB XII 24 22 15 06.5–.58 55.05N–.02 161.87E–.06 73–9 ¶12835579
KRSC XII 24 22 15 06.4–.30 55.08N 161.80E 64–55 4.0L
MOS XII 24 22 15 06.4–.52 55.05N 161.84E 53 4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.9km az=9.9.
KRSC Event type se.
MOS Error ellipse: s-maj=29.8km s-min=17.5km az=90.7.
KRSC XII 28 10 34 49.4–.90 54.37N 162.59E 24–23 3.6L

¶12835587

KRSC Event type se.
KRSC XII 28 20 49 00.3–1.5 54.20N 160.09E 126–55 4.1L

¶12835586

KRSC Event type se.
ISC XII 29 04 05 43.0–.62 53.55N–.05 160.81E–.08 36–15 3.4b 27 1-70
IDC XII 29 04 05 38.7–1.4 53.97N 160.64E 0 4.0,3.7 ¶12079346
ISCJB XII 29 04 05 41.8–.60 53.55N–.05 160.86E–.08 43–13 3.4b,3.7
KRSC XII 29 04 05 43.5–.20 53.62N 160.65E 43–22 3.7L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=18.0km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.0km az=135.5.
KRSC Event type se.
KRSC XII 29 08 30 13.6–.20 53.35N 160.47E 42–21 3.7L

¶12835589

KRSC Event type se.
KRSC XII 31 09 22 02.1–.80 55.72N 161.05E 175–34 3.7L

¶12835590

KRSC Event type se.

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ISC VII 01 16 53 03.2–.49 52.67N–.04 159.18E–.08 111–3 3.6b 62 0-75
ISCJB VII 01 16 53 02.2–.48 52.68N–.04 159.16E–.08 115–3 3.6b ¶11799184
KRSC VII 01 16 53 02.9–.30 52.66N 159.38E 101–40 3.8L
MOS VII 01 16 53 03.6–1.4 52.87N 158.56E 115 3.9b
NEIC VII 01 16 53 04.8–.88 52.83N 158.69E 114–5 3.9b
IDC VII 01 16 53 05.8–1.5 52.80N 158.48E 121–5 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=4.4km az=39.3.
KRSC Event type se.
MOS Error ellipse: s-maj=30.0km s-min=15.0km az=82.3.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=11.4km az=117.0.
IDC Error ellipse: s-maj=33.9km s-min=21.3km az=114.0.
KRSC VII 02 06 36 57.8–.90 52.52N 162.31E 12–18 3.5L

¶12835136

KRSC Event type se.
KRSC VII 03 14 31 17.4–.90 52.98N 160.28E 44–15 3.6L

¶12835145

KRSC Event type se.
ISC VII 04 11 11 13.0–1.5 52.64N–.03 162.49E–.06 28–12 3.7b 59 2-80
IDC VII 04 11 11 08.7–.73 52.55N 162.53E 0 4.0,3.8L ¶11810605
NEIC VII 04 11 11 10.5–.62 52.49N 162.55E 10 4.0,3.8L
ISCJB VII 04 11 11 12.4–.87 52.67N–.04 162.52E–.06 37–9 3.7b,3.8L
KRSC VII 04 11 11 12.2–.80 52.72N 162.55E 41–41 4.4L,3.8L
MOS VII 04 11 11 12.9–.95 52.69N 162.39E 47 4.0b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=16.5km az=156.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=10.7km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.0km az=43.0.
KRSC Event type se.
MOS Error ellipse: s-maj=16.0km s-min=10.0km az=103.9.
KRSC VII 05 20 35 50.8–.30 55.98N 163.49E 11–11 3.5L

¶12835151

KRSC Event type se.
ISC VII 12 05 38 53.4–.51 51.57N–.04 159.52E–.05 44–3 4.6b,4.1s 375 1-113
IDC VII 12 05 38 47.0–.57 51.63N 159.45E 0 4.6,4.6 ¶13388881
MOS VII 12 05 38 47.6–1.3 51.57N 159.34E 14 4.9b,4.6
BJI VII 12 05 38 47.5 51.81N 159.29E 11 4.8b,4.8b
KRSC VII 12 05 38 48.0–.70 51.46N 159.92E 16–16 5.0L,4.8b
NEIC VII 12 05 38 49.7–2.5 51.62N 159.44E 16–15 4.6b,4.8b
ISCJB VII 12 05 38 50.7–.54 51.47N–.03 159.66E–.05 41–3 4.6b,4.1s
SZGRF VII 12 05 39 16.8 54.02N 152.73E 33 4.8b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=12.5km az=138.0.
MOS Error ellipse: s-maj=8.5km s-min=4.2km az=94.8.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.5km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.8km az=139.5.
SZGRF Sea of Okhotsk.
ISC VII 12 06 06 46.1–1.1 51.44N–.06 159.83E–.10 43–8 3.8b 48 2-78
IDC VII 12 06 06 41.8–.98 51.64N 159.25E 0 4.4s,4.4 ¶11811335
MOS VII 12 06 06 41.6–1.5 51.45N 159.48E 13 4.1b,4.4
KRSC VII 12 06 06 43.4–.60 51.43N 159.93E 33–33 4.2L,4.4
ISCJB VII 12 06 06 45.0–1.1 51.43N–.07 159.8E–.10 54–8 3.8b,4.4
NEIC VII 12 06 06 49.8–1.9 51.67N 159.18E 58–15 4.1b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=23.5km az=84.0.
MOS Error ellipse: s-maj=21.1km s-min=8.0km az=90.3.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.3km az=136.7.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=16.0km az=95.0.
ISC VII 18 19 14 55.2–1.3 52.58N–.05 161.75E–.06 8–7 3.5b 28 1-80
IDC VII 18 19 14 53.3–1.1 52.37N 161.74E 0 3.9,3.6b ¶12698293
ISCJB VII 18 19 14 55.1–1.6 52.53N–.05 161.82E–.06 22–12 3.5b,3.6b
KRSC VII 18 19 14 56.1–.90 52.54N 161.83E 41–41 3.7L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=19.4km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.2km az=171.0.
KRSC Event type se.
ISC VII 19 03 36 48.8–1.9 52.15N–.04 159.9E–.10 17–13 23 1-4
MOS VII 19 03 36 47.4–.70 52.08N 159.90E 21 4.1b ¶12788591
ISCJB VII 19 03 36 48.5–1.4 52.12N–.05 159.89E–.09 26–9 4.1b
KRSC VII 19 03 36 48.2–.90 52.15N 159.86E 23–22 4.1L
ISC Event type se.
MOS Error ellipse: s-maj=39.6km s-min=12.7km az=88.8.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.9km az=34.5.
KRSC Event type se.
KRSC VII 21 03 28 47.4–1.2 52.41N 161.63E 17–17 3.5L

¶12835241

KRSC Event type se.
KRSC VII 27 07 04 51.5–.60 53.56N 161.68E 10–10 3.6L

¶12835283

KRSC Event type se.
ISC VII 27 11 41 19.1–.93 53.84N–.03 161.51E–.07 14–6 3.5b 59 1-70
IDC VII 27 11 41 16.9–1.1 54.17N 161.37E 0 3.8,3.6 ¶12698456
ISCJB VII 27 11 41 19.5–.91 53.83N–.03 161.58E–.07 29–7 3.5b,3.6
MOS VII 27 11 41 19.2–1.2 53.87N 161.66E 27 4.0b,3.6
KRSC VII 27 11 41 20.1–.40 53.88N 161.39E 24–23 4.4L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=17.6km az=156.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.4km az=26.0.
MOS Error ellipse: s-maj=17.7km s-min=9.5km az=72.1.
KRSC Event type se.
KRSC VII 28 14 57 25.9–.90 51.69N 159.26E 11–10 3.9L

¶12835296

KRSC Event type se.
KRSC VII 29 01 13 54.1–.80 53.09N 162.67E 38–38 3.6L

¶12835307

KRSC Event type se.
KRSC VIII 02 15 06 39.8–.50 52.58N 159.57E 29–19 3.6L

¶12835330

KRSC Event type se.
KRSC VIII 06 22 19 04.3–.40 53.98N 161.30E 20–15 3.7L

¶12835338

KRSC Event type se.
KRSC VIII 10 19 20 18.2–.70 53.67N 163.38E 44–34 3.6L

¶12835347

KRSC Event type se.
KRSC VIII 10 22 45 29.2–1.1 53.30N 162.94E 40–40 3.7L

¶12835345

KRSC Event type se.
ISC VIII 11 18 21 02.6–1.4 54.02N–.03 163.71E–.04 23–10 4.2b,3.5s 126 1-96
IDC VIII 11 18 20 59.0–.67 54.11N 163.81E 0 4.2,4.2 ¶11163368
BJI VIII 11 18 21 01.4 54.10N 163.70E 35 4.4b,4.3b
ISCJB VIII 11 18 21 02.0–1.3 54.01N–.03 163.73E–.04 33–9 4.2b,3.5s
KRSC VIII 11 18 21 02.0–.80 54.02N 163.74E 43–33 4.7L,3.5s
MOS VIII 11 18 21 02.4–1.5 54.06N 163.73E 33 4.4b,3.5s
NEIC VIII 11 18 21 04.4–.48 54.09N 163.73E 35 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=12.3km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.8km az=164.6.
KRSC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=7.9km az=86.4.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=6.6km az=171.0.
ISC VIII 12 19 42 26.3–1.6 51.19N–.07 160.0E–.10 35–11 3.8b 39 2-65
KRSC VIII 12 19 42 24.2–1.3 51.26N 159.97E 17–16 4.1L ¶11908121
ISCJB VIII 12 19 42 25.6–1.6 51.19N–.07 160.0E–.10 46–10 3.8b
MOS VIII 12 19 42 28.0–1.4 51.66N 158.94E 21 4.2b
NEIC VIII 12 19 42 28.2–2.2 51.68N 158.78E 3–13 4.3b
IDC VIII 12 19 42 30.6–1.4 52.00N 158.26E 0 3.8,3.7
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=7.4km az=33.9.
MOS Error ellipse: s-maj=15.1km s-min=10.6km az=93.4.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.0km az=140.0.
IDC Error ellipse: s-maj=35.9km s-min=23.1km az=144.0.
KRSC VIII 14 12 10 19.1–.90 52.47N 159.61E 20–19 3.5L

¶12835358

KRSC Event type se.
ISC VIII 15 14 01 09.3–1.0 52.60N–.04 159.93E–.06 17–5 3.5b 35 1-71
MOS VIII 15 14 01 05.0–1.4 52.46N 159.65E 17 4.2b ¶11908253
IDC VIII 15 14 01 05.4–1.4 53.07N 159.49E 0 3.8,3.5b
ISCJB VIII 15 14 01 09.0–1.0 52.59N–.04 160.02E–.07 29–6 3.5b,3.5b
KRSC VIII 15 14 01 09.5–.60 52.64N 159.97E 21–16 4.1L,3.5b
NEIC VIII 15 14 01 13.7–1.1 53.15N 159.27E 67–10 3.9b,3.5b
ISC Event type se.
MOS Error ellipse: s-maj=26.1km s-min=11.1km az=88.8.
IDC Error ellipse: s-maj=60.6km s-min=25.2km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.1km az=139.8.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=15.7km az=162.0.
KRSC VIII 20 19 27 52.2–.80 51.55N 159.67E 23–22 4.0L

¶12835368

KRSC Event type se.
ISC VIII 21 22 29 33.0–1.8 51.07N–.04 160.91E–.07 27–14 3.9b 56 2-78
IDC VIII 21 22 29 29.1–.94 50.93N 160.67E 0 4.1,3.9b ¶11908558
ISCJB VIII 21 22 29 32.0–1.1 51.07N–.05 160.98E–.07 35–9 3.9b,3.9b
KRSC VIII 21 22 29 31.8–.40 51.09N 160.82E 39–39 4.3L,3.9b
MOS VIII 21 22 29 32.2–.94 51.03N 160.76E 36 4.2b,3.9b
NEIC VIII 21 22 29 34.4–2.2 51.18N 160.96E 36–17 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=21.7km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.8km az=145.2.
KRSC Event type se.
MOS Error ellipse: s-maj=21.4km s-min=8.0km az=99.3.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=12.7km az=142.0.
ISC VIII 23 09 37 09.5–.58 52.76N–.05 159.76E–.07 51–6 3.7b 44 0-71
IDC VIII 23 09 37 01.1–2.3 52.98N 159.22E 0 3.9,3.6b ¶12581316
ISCJB VIII 23 09 37 08.2–.58 52.76N–.05 159.79E–.08 57–6 3.7b,3.6b
MOS VIII 23 09 37 08.3–1.6 52.76N 159.83E 49 4.1b,3.6b
KRSC VIII 23 09 37 08.3–.60 52.76N 159.83E 49–29 4.3L,3.6b
ISC Event type se.

IDC Error ellipse: s-maj=67.4km s-min=22.0km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.9km az=44.4.
MOS Error ellipse: s-maj=25.7km s-min=10.2km az=84.7.
KRSC Event type se.
KRSC VIII 25 04 30 17.9–1.1 52.61N 159.61E 25–25 3.7L
¶12835376

KRSC Event type se.
KRSC VIII 28 15 16 05.4–.70 52.71N 160.07E 70–40 4.1L
MOS VIII 28 15 16 04.6–.50 52.69N 160.12E 58 4.3b **¶12835385**
KRSC Event type se.
MOS Error ellipse: s-maj=32.7km s-min=12.0km az=80.2.
KRSC IX 01 19 49 57.3–.30 52.64N 160.68E 15–15 3.7L
¶12835392

KRSC Event type se.
KRSC IX 03 03 00 16.1–.40 52.46N 160.93E 10–10 3.7L
¶12835399

KRSC Event type se.
KRSC IX 06 21 32 04.7–.60 52.57N 159.87E 23–22 3.6L
¶12835407

KRSC Event type se.
KRSC IX 07 09 23 41.1–.90 53.97N 161.46E 25–24 3.5L
¶12835408

KRSC Event type se.
ISC IX 08 09 15 53.4–.93 53.53N–.04 161.33E–.07 1–5 3.7b 52 1-70
MOS IX 08 09 15 50.3–2.1 53.38N 161.69E 15 4.3b **¶11909808**
IDC IX 08 09 15 51.9–1.7 53.87N 161.27E 0 3.8,3.6b
KRSC IX 08 09 15 54.3–.80 53.62N 161.15E 5–5 4.1L,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=21.8km s-min=12.8km az=87.6.
IDC Error ellipse: s-maj=47.7km s-min=21.1km az=164.0.
KRSC Event type se.
ISC IX 08 10 05 49.2–.54 53.56N–.03 161.35E–.06 46–4 4.4b,3.6s 187 1-143
BJI IX 08 10 05 41.0 53.67N 161.91E 32 4.5b,4.3b **¶13393776**
IDC IX 08 10 05 43.2–.59 53.82N 161.10E 0 4.4,4.4
MOS IX 08 10 05 47.6–1.3 53.65N 161.22E 44 4.8b,4.4
NEIC IX 08 10 05 47.8–3.0 53.78N 161.14E 29–21 4.6b,4.4
ISCJB IX 08 10 05 47.7–.53 53.56N–.03 161.42E–.06 49–4 4.4b,3.6s
KRSC IX 08 10 05 47.6–.00 53.56N 161.38E 42–32 4.8L,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=11.4km az=150.0.
MOS Error ellipse: s-maj=11.2km s-min=6.1km az=88.4.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.8km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.0km az=34.6.
KRSC Event type se.
ISC IX 09 15 00 06.4–.46 53.49N–.03 161.40E–.05 44–3 4.4b,3.8s 213 1-130
ISCJB IX 09 15 00 04.8–.47 53.49N–.03 161.47E–.05 46–3 4.4b,3.8s **¶13393885**
MOS IX 09 15 00 04.9–1.4 53.64N 161.28E 42 4.8b,4.0s
NEIC IX 09 15 00 04.7–2.7 53.77N 161.13E 22–20 4.7b,4.0s
KRSC IX 09 15 00 04.1–.10 53.49N 161.44E 40–40 4.9L,4.0s
BJI IX 09 15 00 05.3 54.69N 160.74E 21 4.3b,4.3b
SZGRF IX 09 15 00 07.9 53.41N 160.15E 33 5.1b,4.3b
IDC IX 09 15 00 08.1–.58 53.80N 161.06E 49–4 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.0km az=36.6.
MOS Error ellipse: s-maj=9.7km s-min=5.4km az=89.2.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.5km az=160.0.
KRSC Event type se.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
IDC Error ellipse: s-maj=15.2km s-min=9.7km az=148.0.
KRSC IX 16 20 30 15.0–.10 52.39N 159.56E 46–46 3.9L
¶12835429

KRSC Event type se.
ISC IX 17 16 58 14.6–1.0 52.42N–.04 159.47E–.07 16–4 40 1-4
MOS IX 17 16 58 13.3–.85 52.38N 159.60E 26 4.3b **¶12835431**
ISCJB IX 17 16 58 14.3–1.0 52.41N–.05 159.53E–.08 29–5 4.3b
KRSC IX 17 16 58 14.5–1.0 52.47N 159.60E 24–24 4.2L
ISC Event type se.
MOS Error ellipse: s-maj=40.0km s-min=11.6km az=82.8.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.4km az=43.2.
KRSC Event type se.
KRSC IX 17 17 14 32.8–.40 52.48N 159.59E 33–32 4.0L
¶12835430

KRSC Event type se.
KRSC IX 19 23 04 01.1–.70 52.68N 160.06E 40–29 3.8L
¶12835434

KRSC Event type se.
KRSC IX 28 06 55 42.8–.60 52.49N 161.69E 16–15 4.2L
MOS IX 28 06 55 38.6–.58 52.17N 161.94E 17 4.2b **¶12835447**
KRSC Event type se.
MOS Error ellipse: s-maj=49.8km s-min=15.8km az=101.2.
KRSC IX 30 08 30 58.9–.80 51.22N 160.45E 41–40 3.8L
¶12835452

KRSC Event type se.
KRSC IX 30 23 52 49.4–.70 52.76N 160.60E 11–11 3.5L
¶12835453

KRSC Event type se.
KRSC X 02 13 35 39.7–.80 52.54N 159.42E 36–36 3.6L
¶12835460

KRSC Event type se.
KRSC X 02 16 30 13.1–.70 53.79N 161.53E 25–24 3.6L
¶12835459

KRSC Event type se.
ISC X 02 18 56 55.1–.71 52.60N–.05 159.70E–.07 46–9 3.8b 56 1-76
MOS X 02 18 56 53.4–1.4 52.68N 159.59E 57 4.2b **¶11911738**
ISCJB X 02 18 56 54.0–.71 52.59N–.05 159.73E–.08 52–8 3.8b
KRSC X 02 18 56 54.1–.90 52.60N 159.73E 38–38 4.1L
NEIC X 02 18 56 55.9–2.0 52.70N 159.51E 63–17 4.1L
IDC X 02 18 56 56.9–2.8 52.71N 159.48E 73–23 3.6,3.5
ISC Event type se.
MOS Error ellipse: s-maj=25.2km s-min=13.7km az=74.3.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.0km az=137.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=40.4km s-min=26.9km az=172.0.
IDC Error ellipse: s-maj=34.9km s-min=29.6km az=150.0.
ISC X 02 20 59 53.5–.56 52.90N–.05 159.92E–.07 55–4 3.8b 112 0-80
ISCJB X 02 20 59 52.6–.57 52.89N–.05 159.91E–.08 63–3 3.8b **¶13395825**
MOS X 02 20 59 52.4–1.4 53.06N 159.72E 57 4.2b
KRSC X 02 20 59 52.9–.80 52.83N 159.95E 45–25 4.7L
NEIC X 02 20 59 56.1–.94 53.14N 159.51E 72–7 4.0b
IDC X 02 20 59 56.9–1.8 53.13N 159.50E 78–15 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=4.6km az=44.1.
MOS Error ellipse: s-maj=14.1km s-min=9.5km az=81.9.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.1km az=131.0.
IDC Error ellipse: s-maj=19.5km s-min=13.2km az=123.0.
KRSC X 04 08 23 19.0–.70 52.06N 159.42E 25–25 3.8L
¶12835465

KRSC Event type se.
KRSC X 04 09 08 20.2–.70 52.09N 161.63E 37–36 3.5L
¶12835464

KRSC Event type se.
IDC X 10 05 58 28.0–3.2 52.98N 160.41E 0 3.8s,3.8
¶12066489

IDC Error ellipse: s-maj=106.8km s-min=30.3km az=174.0.
KRSC X 10 07 56 28.1–1.0 52.22N 159.72E 24–23 3.9L
¶12835474

KRSC Event type se.
KRSC X 17 04 51 35.6–.40 53.95N 161.71E 40–29 3.8L
¶12835486

KRSC Event type se.
KRSC X 17 06 10 07.3–.30 53.87N 161.81E 25–25 3.6L
¶12835485

KRSC Event type se.
KRSC X 17 08 15 17.0–.70 53.71N 161.01E 38–28 3.8L
¶12835484

KRSC Event type se.
KRSC X 24 07 08 37.9–1.1 52.90N 159.74E 53–32 3.8L
¶12835492

KRSC Event type se.
ISC X 24 14 11 28.4–.54 54.04N–.03 163.79E–.06 35 3.8b 91 1-82
ISCJB X 24 14 11 26.5–.53 54.03N–.03 163.80E–.05 33 3.8b **¶12070992**
MOS X 24 14 11 26.5–1.0 54.03N 163.90E 42 4.5b
NEIC X 24 14 11 27.9–.59 54.05N 163.89E 35 4.1b
KRSC X 24 14 11 27.1–.80 54.09N 163.66E 43–43 4.4L
IDC X 24 14 11 29.2–.80 54.04N 163.75E 40–7 3.7,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.1km az=28.8.
MOS Error ellipse: s-maj=14.5km s-min=12.1km az=109.7.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=9.3km az=172.0.
KRSC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=11.1km az=163.0.
ISC X 27 02 57 13.3–1.3 54.86N–.04 163.5E–.10 54–12 4.0b 30 1-59
KRSC X 27 02 57 12.9–.10 54.91N 163.30E 39–38 3.9L **¶12071216**
IDC X 27 02 57 15.3–1.8 55.76N 161.66E 0 3.6b,3.6
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=43.2km s-min=20.5km az=133.0.
KRSC X 28 21 46 40.1–.60 55.40N 163.08E 11–11 3.6L
¶12835496

KRSC Event type se.
KRSC X 29 12 03 11.2–.10 55.44N 163.18E 17–17 3.8L
¶12835499

KRSC Event type se.
KRSC X 31 22 48 15.9–.30 53.33N 162.54E 38–37 3.8L
¶12835500

KRSC Event type se.
ISC XI 01 21 33 18.4–.46 52.53N–.04 159.16E–.06 60–5 3.5b 80 0-79
MOS XI 01 21 33 16.4–1.3 52.52N 159.22E 62 4.3b **¶12071914**
KRSC XI 01 21 33 16.7–.40 52.52N 159.17E 60–50 4.3L
ISCJB XI 01 21 33 17.3–.48 52.55N–.04 159.16E–.07 68–4 3.4b
NEIC XI 01 21 33 17.8–.87 52.60N 159.04E 67–11 3.4b
IDC XI 01 21 33 17.2–1.8 52.54N 159.19E 60–22 3.7,3.7L
ISC Event type se.
MOS Error ellipse: s-maj=19.7km s-min=9.0km az=73.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.4km az=43.3.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=10.4km az=164.0.
IDC Error ellipse: s-maj=29.0km s-min=14.1km az=171.0.
ISC XI 03 21 40 07.5–.52 51.55N–.03 159.34E–.05 43–3 4.9b,4.5s 643 1-89
IDC XI 03 21 40 01.6–.52 51.66N 159.10E 0 4.7,4.7 **¶13399144**
DJA XI 03 21 40 02 52.51N 160.21E 10 5.0b,4.7
MOS XI 03 21 40 02.9–1.0 51.60N 159.13E 18 5.1b,4.6s
KRSC XI 03 21 40 03.3–.50 51.60N 159.72E 10–10 5.3L,4.6s
BJI XI 03 21 40 04.3 51.79N 159.21E 32 5.0b,4.8s
ISCJB XI 03 21 40 05.3–.58 51.51N–.03 159.37E–.05 41–4 4.9b,4.5s
NEIC XI 03 21 40 08.1–.84 51.60N 159.25E 46–7 5.0b,4.6s
SZGRF XI 03 21 40 25.7 53.12N 159.51E 36 5.0b,4.4s
ISC Event type fe.
IDC Error ellipse: s-maj=15.2km s-min=11.1km az=143.0.
MOS Event type fe. Error ellipse: s-maj=8.9km s-min=4.2km az=98.6. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=3.9km az=140.8.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.5km az=148.0.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
KRSC XI 03 23 08 07.4–1.2 51.71N 159.98E 9–10 3.8L
¶12835506

KRSC Event type se.
ISC XI 03 23 08 34.7–1.1 51.53N–.06 159.5E–.10 47–7 3.9b 113 1-78
IDC XI 03 23 08 28.8–.77 51.63N 159.13E 0 4.1,4.0 **¶12072186**
BJI XI 03 23 08 29.0 51.50N 159.90E 33 4.6b,4.4b
KRSC XI 03 23 08 31.7–.70 51.69N 159.80E 10–10 4.4L,4.4b
ISCJB XI 03 23 08 33.4–1.0 51.54N–.06 159.6E–.10 55–7 3.9b,4.4b
MOS XI 03 23 08 34.7–1.2 51.71N 159.28E 62 4.5b,4.4b
NEIC XI 03 23 08 35.8–1.4 51.65N 159.11E 51–11 4.3b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=16.2km az=140.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=8.7km az=40.0.
MOS Error ellipse: s-maj=15.5km s-min=8.3km az=95.3.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.1km az=145.0.
KRSC XI 07 06 53 10.2–1.2 53.22N 163.09E 41–40 3.6L
¶12835510

KRSC Event type se.
ISC XI 10 08 51 03.8–.58 52.16N–.04 159.19E–.07 54–5 4.1b,3.2s 129 0-145
ISCJB XI 10 08 51 02.8–.63 52.14N–.05 159.21E–.07 62–5 4.1b,3.2s **¶13399736**
MOS XI 10 08 51 02.0–1.1 52.17N 159.18E 55 4.2b,3.2s
KRSC XI 10 08 51 03.1–.60 52.17N 159.30E 35–35 4.5L,3.2s
NEIC XI 10 08 51 04.0–1.0 52.21N 159.14E 57–8 4.5L,3.2s
IDC XI 10 08 51 07.2–1.3 52.25N 158.97E 83–10 3.9,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.8km az=137.0.
MOS Error ellipse: s-maj=14.4km s-min=6.9km az=79.5.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.7km az=172.0.
IDC Error ellipse: s-maj=15.2km s-min=10.8km az=141.0.
ISC XI 12 20 17 33.0–.90 53.77N–.03 161.54E–.07 5–6 3.4b 52 1-70
ISCJB XI 12 20 17 32.8–.85 53.75N–.03 161.64E–.07 15–7 3.4b **¶12073342**
IDC XI 12 20 17 33.0–1.3 53.89N 161.72E 0 3.6,3.4L
NEIC XI 12 20 17 33.7–.85 53.59N 161.69E 10 3.6,3.4L
MOS XI 12 20 17 34.8–.42 53.68N 161.74E 35 4.2b,3.4L
KRSC XI 12 20 17 35.0–.10 53.79N 161.59E 38–28 4.0L,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=3.7km az=35.7.
IDC Error ellipse: s-maj=72.5km s-min=13.7km az=4.0.
NEIC Event type se. Error ellipse: s-maj=52.0km s-min=10.8km az=173.0.
MOS Error ellipse: s-maj=99.9km s-min=36.8km az=166.1.
KRSC Event type se.
KRSC XI 15 20 02 19.8–.40 51.51N 159.95E 31–31 3.7L
¶12835524

KRSC Event type se.
ISC XI 19 08 25 00.7–.11 52.95N–.02 159.75E–.02 43 4.9b,4.1s 909 0-161
ISCJB XI 19 08 24 58.4–.11 52.92N–.02 159.82E–.02 41 4.9b,4.1s **¶13400594**
IDC XI 19 08 25 00.5–.39 53.11N 159.76E 41–3 4.8L,4.7
MOS XI 19 08 25 00.8–1.2 53.05N 159.70E 61 5.0b,4.7
BJI XI 19 08 25 01.0 53.48N 159.60E 62 5.1b,4.8b
KRSC XI 19 08 25 02.1–.70 53.04N 160.02E 40–19 5.1L,4.8b
NEIC XI 19 08 25 03.2–.48 53.09N 159.69E 66–4 4.8b,4.8b
SZGRF XI 19 08 25 09.2 53.22N 157.87E 66 5.1b,4.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=171.5.
IDC Error ellipse: s-maj=12.0km s-min=8.1km az=134.0.
MOS Event type fe. Error ellipse: s-maj=7.6km s-min=4.4km az=88.9. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.8km az=168.0.
SZGRF Kamchatka Peninsula, Russia.
ISC XI 24 18 44 20.9–.28 52.94N–.03 159.58E–.03 69–2 4.8b 726 0-161
BJI XI 24 18 44 16.5 53.17N 159.78E 63 4.8b,4.8b **¶13401033**
IDC XI 24 18 44 18.0–.49 53.03N 159.58E 44–4 5.1L,4.6
NEIC XI 24 18 44 17.6–.21 52.99N 159.64E 43 4.8b,4.6

MOS XI 24 18 44 17.5–1.4 52.93N 159.68E 58 5.0b,4.6
KRSC XI 24 18 44 18.3–.10 52.86N 159.95E 49–30 5.3L,4.6
ISCJB XI 24 18 44 19.1–.29 52.89N–.03 159.68E–.03 70–2 4.8b,4.6
SZGRF XI 24 18 44 25.3 53.30N 158.85E 33 5.1b,4.6
ISC Event type fe.
IDC Error ellipse: s-maj=11.7km s-min=8.7km az=138.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.2km az=159.0.
MOS Event type fe. Error ellipse: s-maj=7.9km s-min=4.4km az=91.3. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.4km az=164.7.
SZGRF Near east coast of Kamchatka Peninsula, Russia.
KRSC XI 27 03 17 24.6–.60 53.32N 162.43E 37–36 3.7L
¶12835544

KRSC Event type se.
ISC XI 28 23 42 51.6–.65 52.84N–.05 159.94E–.07 53–5 4.0b 72 0-71
MOS XI 28 23 42 48.6–1.7 52.87N 160.09E 41 4.2b **¶12075200**
ISCJB XI 28 23 42 50.7–.65 52.84N–.05 159.95E–.07 60–5 4.0b
KRSC XI 28 23 42 51.6–1.1 52.84N 159.93E 45–35 4.0L
NEIC XI 28 23 42 54.2–1.7 53.05N 159.53E 75–16 3.9b
IDC XI 28 23 42 54.8–3.1 53.37N 159.67E 64–33 3.7,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=18.7km s-min=11.7km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.0km az=137.7.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=55.4km s-min=25.9km az=182.0.
IDC Error ellipse: s-maj=42.1km s-min=29.3km az=17.0.
KRSC XII 02 20 15 44.6–.80 51.66N 161.71E 43–43 3.6L
¶12835551

KRSC Event type se.
KRSC XII 03 21 48 30.4–.50 52.95N 159.86E 45–24 3.6L
¶12835553

KRSC Event type se.
KRSC XII 12 06 59 08.4–.50 55.39N 163.51E 14–16 3.7L
¶12835563

KRSC Event type se.
KRSC XII 13 18 54 27.1–1.3 51.47N 159.84E 10–10 3.5L
¶12835567

KRSC Event type se.
ISC XII 16 20 34 58.2–.66 53.62N–.05 161.96E–.07 35 3.7b 24 1-60
IDC XII 16 20 34 55.0–1.2 53.73N 161.92E 0 4.0,3.9b **¶12077800**
ISCJB XII 16 20 34 56.3–.66 53.58N–.05 162.06E–.07 33 3.7b,3.9b
KRSC XII 16 20 34 57.6–1.1 53.60N 161.91E 39–29 3.7L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=42.2km s-min=15.6km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.0km az=146.2.
KRSC Event type se.
KRSC XII 17 00 49 37.1–1.2 52.57N 159.72E 27–26 3.6L
¶12835570

KRSC Event type se.
KRSC XII 20 07 25 42.3–.10 54.05N 163.32E 40–29 4.1L
MOS XII 20 07 25 40.5–.43 54.00N 163.47E 25 4.2b **¶12835575**
KRSC Event type se.
MOS Error ellipse: s-maj=28.1km s-min=18.6km az=57.1.
ISC XII 26 09 59 03.7–1.3 52.67N–.06 160.94E–.06 23–9 3.9b 109 1-80
IDC XII 26 09 59 00.3–.56 52.77N 160.77E 0 4.1L,4.1 **¶13404038**
MOS XII 26 09 59 00.4–1.4 52.65N 161.01E 17 4.5b,4.1
KRSC XII 26 09 59 01.7–.70 52.63N 161.02E 16–16 4.4L,4.1
NEIC XII 26 09 59 03.0–3.7 52.74N 160.88E 18–24 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=10.7km az=166.0.
MOS Error ellipse: s-maj=11.9km s-min=8.7km az=95.6.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.4km az=167.0.
KRSC XII 26 14 14 25.4–1.1 52.71N 160.89E 10–10 3.7L
¶12835585

KRSC Event type se.
ISC XII 26 15 21 51.7–.63 52.66N–.04 160.75E–.07 52–4 4.7b,4.1s 296 1-112
MOS XII 26 15 21 44.4–1.5 52.58N 160.91E 15 5.0b,4.1s **¶13404062**
IDC XII 26 15 21 44.9–.52 52.83N 160.72E 0 4.5L,4.5
KRSC XII 26 15 21 45.9–.50 52.50N 161.10E 21–20 4.9L,4.5
NEIC XII 26 15 21 49.3–1.9 52.78N 160.78E 32–14 4.9b,4.5
ISCJB XII 26 15 21 50.6–.59 52.68N–.04 160.75E–.07 59–3 4.7b,4.1s
BJI XII 26 15 21 53.4 52.84N 160.28E 76 5.1b,4.7s
ISC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=5.1km az=97.2.
IDC Error ellipse: s-maj=15.2km s-min=9.7km az=165.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.1km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.3km az=44.2.
ISC XII 30 23 36 59.4–1.2 51.22N–.07 160.81E–.09 40–10 3.7b 91 2-84
IDC XII 30 23 36 53.9–.79 51.12N 160.83E 0 3.8,3.7 **¶12079618**
MOS XII 30 23 36 57.4–.70 51.21N 160.94E 43 4.1b,3.7
ISCJB XII 30 23 36 58.6–1.1 51.27N–.06 160.85E–.09 51–10 3.7b,3.7
NEIC XII 30 23 36 59.5–1.2 51.16N 160.73E 39–10 4.1b,3.7
KRSC XII 30 23 37 00.2–1.0 51.57N 160.85E 41–41 4.0L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=17.8km az=170.0.
MOS Error ellipse: s-maj=18.7km s-min=9.0km az=105.8.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=9.1km az=171.2.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.4km az=135.0.
KRSC Event type se.

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ISC VII 09 12 29 41.3–.08 49.19N–.02 151.36E–.02 286 4.9b 1261 3-156
KRSC VII 09 12 29 37.0–.50 48.66N 152.28E 318–22 5.5L **¶11108425**
SKHL VII 09 12 29 38.8–2.5 48.85N 151.72E 272–26 6.3,6.2b
ISCJB VII 09 12 29 39.7–.09 49.19N–.02 151.38E–.02 284 4.9b,6.2b
MOS VII 09 12 29 39.7–.86 49.26N 151.43E 283 5.0b,6.2b
IDC VII 09 12 29 40.5–.37 49.19N 151.50E 282–3 4.6,4.6
SZGRF VII 09 12 29 40.7 49.62N 153.17E 292 5.1b,4.6
NEIC VII 09 12 29 41.1–.15 49.26N 151.34E 286 4.9b,4.6
BJI VII 09 12 29 41.5 49.43N 151.29E 285 4.9b,4.7b
GCMT VII 09 12 29 43.6–.20 49.09N 151.62E 289–1 5.2W,4.7b
DJA VII 09 12 29 52 49.19N 151.34E 407 4.9b,4.7b
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=1.4km az=159.3.
MOS Error ellipse: s-maj=6.1km s-min=3.9km az=89.6.
IDC Error ellipse: s-maj=7.4km s-min=5.5km az=139.0.
SZGRF Kuril Islands, Russia.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=2.4km az=174.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s67,c103; s90,c131; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.08±.16 $M_{\theta\theta}$2.19±.19; $M_{\phi\phi}$3.89±.18; $M_{r\theta}$-1.99±.18; $M_{\theta\phi}$-3.73±.14; $M_{\phi r}$-4.05±.17; Best double couple: NP1:ϕ_s118.00000°,δ42.00000° ,λ-132.00000°. NP2:ϕ_s348.00000°,δ60.00000°,λ-59.00000°. Principal axes: T 7.2000,Plg10.0000°,Azm56.0000°; N 1.2900,Plg27.0000°,Azm151.0000° ; P -8.4800,Plg61.0000°,Azm308.0000° $M_0$7.80000×10^{16}
ISC VII 14 07 17 41.3–.26 48.09N–.04 150.14E–.03 313–3 4.1b 502 3-150
NIED VII 14 07 17 00 47.10N 150.80E 340 4.9W **¶11121244**
ISCJB VII 14 07 17 40.5–.27 48.14N–.04 150.11E–.04 319–3 4.0b
IDC VII 14 07 17 41.7–1.4 48.26N 150.10E 319–14 3.9,3.8
BJI VII 14 07 17 41.4 48.12N 149.93E 321 4.5b,4.3b
MOS VII 14 07 17 41.0–.82 48.24N 150.06E 327 3.9b,4.3b
NEIC VII 14 07 17 43.0–.71 48.23N 150.02E 331–8 4.0b,4.3b
SKHL VII 14 07 17 42.5–2.2 48.12N 150.09E 277–6 5.3b,5.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s246.00000°,δ89.00000°,λ116.00000°. NP2:ϕ_s339.00000°,δ26.00000°,λ3.00000°. $M_0$2.15000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.2km az=158.8.
IDC Error ellipse: s-maj=11.3km s-min=8.1km az=138.0.
MOS Error ellipse: s-maj=10.6km s-min=7.4km az=67.7.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.4km az=162.0.
ISC VII 15 12 03 23.7–.34 52.07N–.09 152.8E–.10 428–7 3.7b 56 2-77
KRSC VII 15 12 03 19.9–1.7 51.58N 153.38E 469–59 4.5L **¶11479998**
BJI VII 15 12 03 21.6 52.26N 152.73E 413 4.3b,4.3b
ISCJB VII 15 12 03 22.8–.34 52.10N–.08 152.7E–.10 432–7 3.7b,4.3b
MOS VII 15 12 03 22.9–.70 52.13N 152.71E 433 4.5b,4.3b
IDC VII 15 12 03 23.9–1.4 52.00N 152.74E 430–17 3.2b,3.2
NEIC VII 15 12 03 23.4–.54 51.97N 152.78E 427–9 3.9b,3.2
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=7.2km az=43.1.
MOS Error ellipse: s-maj=19.0km s-min=10.4km az=54.7.
IDC Error ellipse: s-maj=16.8km s-min=9.6km az=147.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=7.7km az=141.0.
IDC VII 22 18 30 45.2–3.3 49.33N 152.87E 0 3.5,3.5
¶12698389

IDC Error ellipse: s-maj=80.3km s-min=39.3km az=71.0.
ISC VII 22 21 06 58.2–.48 46.65N–.05 146.70E–.08 319–4 3.6b 82 3-81
ISCJB VII 22 21 06 57.4–.48 46.64N–.05 146.67E–.08 327–4 3.6b **¶11480087**
MOS VII 22 21 06 57.7–.55 46.72N 146.62E 331 3.7b
IDC VII 22 21 06 58.9–1.4 46.78N 146.59E 319–16 3.5,3.3b
JMA VII 22 21 06 58.7–.50 46.13N 146.87E 357 3.9,3.3b
NEIC VII 22 21 06 58.8–.48 46.72N 146.61E 324–5 3.8b,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=8.2km az=20.2.
MOS Error ellipse: s-maj=12.5km s-min=10.3km az=82.6.
IDC Error ellipse: s-maj=20.9km s-min=14.3km az=167.0.
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.4km az=136.0.
IDC VII 31 01 36 10.8–6.3 47.59N 147.49E 380–81 3.2,3.0b
¶12698503

IDC Error ellipse: s-maj=44.0km s-min=21.8km az=172.0.
JMA VIII 07 21 04 57.4–.50 46.05N 147.87E 313 3.5
¶13517040

JMA Error ellipse: s-maj=4.4km s-min=6.2km az=-1.0.
ISC VIII 09 14 43 49.6–.69 47.9N–.10 147.4E–.10 410–9 3.6b 37 3-80
ISCJB VIII 09 14 43 48.8–.68 47.9N–.10 147.4E–.10 419–8 3.6b **¶11907999**
NEIC VIII 09 14 43 49.5–1.1 47.78N 147.38E 423–13 3.8b
IDC VIII 09 14 43 49.5–1.6 47.95N 147.23E 412–19 3.3,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=9.8km az=153.7.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=9.6km az=151.0.
IDC Error ellipse: s-maj=20.5km s-min=12.6km az=150.0.
KRSC IX 05 05 01 34.2–.90 51.85N 155.19E 399–38 4.2L
MOS IX 05 05 01 35.3–.66 52.36N 154.37E 364 4.3b **¶12835405**
KRSC Event type se.
MOS Error ellipse: s-maj=73.7km s-min=25.0km az=138.7.
ISC IX 05 19 03 30.6–4.1 49.3N–.20 149.7E–.60 410–41 3.3b 8 7-74
ISCJB IX 05 19 03 29.9–3.6 49.3N–.20 149.6E–.60 419–34 3.3b **¶11909545**
IDC IX 05 19 03 30.7–3.7 49.33N 149.66E 413–38 3.1,3.0b
ISCJB Error ellipse: s-maj=64.6km s-min=25.8km az=176.5.
IDC Error ellipse: s-maj=43.7km s-min=16.9km az=88.0.
ISC X 17 10 14 11.2–.76 47.2N–.10 148.7E–.20 412–10 3.2b 52 4-68
ISCJB X 17 10 14 10.2–.74 47.29N–.10 148.5E–.20 418–9 3.2b **¶12068876**
JMA X 17 10 14 10.0–.50 47.04N 148.83E 439 3.5
NEIC X 17 10 14 11.5–.89 47.80N 148.16E 400–12 3.5
IDC X 17 10 14 12.2–2.5 47.88N 148.10E 405–32 3.1,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=9.5km az=34.3.
JMA Error ellipse: s-maj=4.4km s-min=6.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=13.3km az=129.0.
IDC Error ellipse: s-maj=27.9km s-min=17.2km az=132.0.
ISC XI 07 16 04 47.8–.60 52.3N–.20 153.0E–.10 425–7 3.5b 79 3-75
KRSC XI 07 16 04 45.3–2.9 51.93N 154.02E 491–80 4.7L **¶12072709**
MOS XI 07 16 04 45.6–1.0 52.02N 153.12E 443 3.6b
ISCJB XI 07 16 04 46.3–.60 52.2N–.20 153.0E–.10 428–7 3.5b
NEIC XI 07 16 04 47.7–.52 52.33N 152.91E 425–5 3.7b
IDC XI 07 16 04 48.0–2.0 52.37N 152.92E 424–18 3.3,3.1b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=21.4km s-min=15.5km az=61.1.
ISCJB Event type se. Error ellipse: s-maj=25.2km s-min=10.8km az=161.6.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=7.0km az=166.0.
IDC Error ellipse: s-maj=44.1km s-min=12.8km az=180.0.
ISC XI 09 10 50 51.3–.28 46.81N–.04 146.98E–.04 324–4 4.0b 357 3-152
NIED XI 09 10 50 00 46.30N 147.50E 400 4.3W **¶13399649**
MOS XI 09 10 50 49.6–1.1 46.92N 146.98E 320 4.0b
BJI XI 09 10 50 49.6 47.00N 147.02E 324 4.6b,4.4b
ISCJB XI 09 10 50 50.4–.29 46.85N–.04 146.93E–.04 330–4 4.0b,4.4b
JMA XI 09 10 50 50.1–.60 46.32N 147.51E 352 4.1,4.4b
SKHL XI 09 10 50 50.6–.50 46.63N 146.96E 328–26 5.0b,5.0s
IDC XI 09 10 50 51.6–.91 46.90N 146.90E 331–9 3.8,3.7
NEIC XI 09 10 50 51.6–.51 46.87N 146.96E 327–6 4.2b,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s160.00000°,δ82.00000°,λ84.00000°. NP2:ϕ_s17.00000°,δ10.00000°,λ127.00000°. $M_0$3.16000×10^{15}
MOS Error ellipse: s-maj=10.1km s-min=7.1km az=73.3.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.3km az=163.3.
JMA Error ellipse: s-maj=4.4km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=11.6km s-min=7.8km az=145.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.3km az=158.0.
ISC XI 10 18 53 34.8–.48 50.7N–.10 150.2E–.10 526–9 3.8b 88 5-77
KRSC XI 10 18 53 30.9–1.3 50.60N 150.39E 581–41 4.7L **¶12073091**
ISCJB XI 10 18 53 33.9–.47 50.9N–.10 150.1E–.10 525–9 3.7b
MOS XI 10 18 53 33.8–.66 50.74N 150.42E 548 3.8b
NEIC XI 10 18 53 34.5–.46 50.72N 150.09E 521–7 4.3b
IDC XI 10 18 53 35.1–1.6 50.75N 150.09E 527–22 3.3,3.2
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=8.5km az=144.9.
MOS Error ellipse: s-maj=17.4km s-min=13.9km az=66.7.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.1km az=154.0.
IDC Error ellipse: s-maj=20.1km s-min=10.9km az=158.0.
IDC XI 26 00 35 37.2–13 47.40N 147.76E 261–163 3.2,3.0b
¶12074842

IDC Error ellipse: s-maj=266.4km s-min=27.0km az=166.0.
ISC XI 28 00 52 35.2–.39 52.97N–.10 153.3E–.10 489–7 3.4b 74 2-78
KRSC XI 28 00 52 30.7–.60 52.43N 153.93E 543–18 4.7L **¶12075093**
MOS XI 28 00 52 33.8–.92 53.01N 153.19E 487 4.0b
ISCJB XI 28 00 52 34.2–.39 52.99N–.10 153.3E–.10 490–6 3.4b
IDC XI 28 00 52 35.0–1.3 52.98N 153.23E 486–17 3.1,2.9b
NEIC XI 28 00 52 35.1–.39 53.01N 153.19E 487–6 4.1b,2.9b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=19.1km s-min=14.6km az=64.5.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=9.2km az=147.3.
IDC Error ellipse: s-maj=14.6km s-min=12.6km az=142.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.7km az=146.0.
ISC XI 30 18 42 14.9–.61 48.32N–.08 148.1E–.10 410–9 3.3b 55 4-80
ISCJB XI 30 18 42 13.7–.56 48.28N–.08 148.2E–.10 412–7 3.3b **¶12075360**
MOS XI 30 18 42 13.7–1.0 48.33N 148.17E 413 3.9b
NEIC XI 30 18 42 15.0–.53 48.27N 148.23E 412–7 3.9b
IDC XI 30 18 42 15.1–1.6 48.24N 148.22E 414–19 3.2,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=7.8km az=136.2.
MOS Error ellipse: s-maj=19.6km s-min=10.2km az=61.4.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=6.5km az=132.0.
IDC Error ellipse: s-maj=20.5km s-min=12.6km az=130.0.
ISC XII 17 20 08 15.2–.64 52.4N–.10 153.0E–.20 456–11 3.2b 40 3-78
KRSC XII 17 20 08 10.0–2.0 51.23N 155.02E 565–44 4.4L **¶12077961**

MOS XII 17 20 08 13.7–.66 52.43N 152.84E 455 3.4b
ISCJB XII 17 20 08 14.2–.65 52.4N–.10 153.1E–.20 460–10 3.2b
IDC XII 17 20 08 15.5–1.6 52.36N 153.00E 458–20 3.1,2.8b
NEIC XII 17 20 08 15.2–.52 52.38N 152.91E 456–8 3.3b,2.8b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=33.7km s-min=18.0km az=54.2.
ISCJB Event type se. Error ellipse: s-maj=27.0km s-min=14.3km az=41.6.
IDC Error ellipse: s-maj=27.9km s-min=18.3km az=125.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=11.2km az=134.0.
ISC XII 21 18 20 18.0–.59 51.7N–.10 152.9E–.20 394–8 3.3b 45 3-79
KRSC XII 21 18 20 14.8–2.1 50.17N 155.66E 490–30 4.1L **¶12835576**
MOS XII 21 18 20 16.8–.54 51.50N 153.46E 445 4.1b
ISCJB XII 21 18 20 17.1–.59 51.7N–.10 152.9E–.20 401–8 3.3b
IDC XII 21 18 20 18.9–1.5 51.76N 152.84E 405–17 3.2,3.0b
NEIC XII 21 18 20 18.5–.74 51.75N 152.81E 401–9 3.2,3.0b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=38.5km s-min=21.0km az=53.9.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=11.0km az=141.5.
IDC Error ellipse: s-maj=17.1km s-min=13.6km az=151.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=10.4km az=143.0.

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ISC VII 01 07 55 44.3–.86 46.94N–.08 152.96E–.09 69–7 4.1b 76 4-148
NIED VII 01 07 55 00 47.10N 153.00E 32 4.1W **¶13379018**
SKHL VII 01 07 55 39.7–1.0 46.66N 153.29E 42–10 4.6b
IDC VII 01 07 55 39.8–.70 47.05N 152.84E 30–5 4.1,4.0
ISCJB VII 01 07 55 41.7–.97 46.90N–.08 153.00E–.09 64–8 4.2b,4.0
MOS VII 01 07 55 41.2–1.1 46.83N 153.09E 63 4.5b,4.0
NEIC VII 01 07 55 44.9–1.5 47.09N 152.90E 74–13 4.2b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s303.00000°,δ88.00000°,λ23.00000°. NP2:ϕ_s213.00000°,δ67.00000°,λ178.00000°. $M_0$1.63000×10^{15}
IDC Error ellipse: s-maj=20.3km s-min=12.8km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=6.3km az=143.2.
MOS Error ellipse: s-maj=14.5km s-min=9.0km az=55.4.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.9km az=147.0.
KRSC VII 01 22 12 29.7–1.3 49.82N 156.63E 32–31 3.8L
¶12835133
KRSC Event type se.
ISC VII 01 23 15 13.6–.12 44.76N–.03 149.50E–.02 48 4.8b,4.3s 842 1-151
NIED VII 01 23 15 00 44.90N 149.70E 35 4.8W,4.3s **¶13379116**
BJI VII 01 23 15 10.6 44.65N 149.86E 51 4.9b,4.8b
JMA VII 01 23 15 10.3–.50 44.87N 149.70E 30 5.1,4.8b
MOS VII 01 23 15 11.7–.92 44.77N 149.52E 46 5.0b,4.3s
ISCJB VII 01 23 15 11.5–.12 44.72N–.03 149.53E–.02 46 4.8b,4.3s
SKHL VII 01 23 15 12.5–.90 44.83N 149.63E 55–4 5.5b,5.2
NEIC VII 01 23 15 12.8–.48 44.74N 149.50E 42–4 4.9b,4.5s
IDC VII 01 23 15 13.5–.51 44.89N 149.59E 47–5 4.4,4.3
BGS VII 01 23 15 15.5–2.0 44.95N 148.52E 49–0 4.9b,4.3
GCMT VII 01 23 15 16.3–.50 44.73N 149.64E 31–1 4.9W,4.3
SZGRF VII 01 23 15 21.9 46.50N 148.50E 33 5.1b,4.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ64.00000°,λ89.00000°. NP2:ϕ_s217.00000°,δ26.00000°,λ92.00000°. $M_0$1.89000×10^{16}
JMA Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=7.2km s-min=4.6km az=102.9.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=1.5km az=163.5.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.7km az=166.0.
IDC Error ellipse: s-maj=15.2km s-min=11.2km az=148.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s31,c41; s49,c68; Moment tensor: Scale 10^{16}Nm; M_{rr}1.88±.16 $M_{\theta\theta}$-1.16±.10; $M_{\phi\phi}$-0.73±.10; $M_{r\theta}$1.19±.14; $M_{\theta\phi}$-1.26±.06; $M_{\phi r}$0.77±.12; Best double couple: NP1:ϕ_s224.00000°,δ28.00000°,λ81.00000°. NP2:ϕ_s55.00000°,δ62.00000°,λ95.00000°. Principal axes: T 2.3300,Plg72.0000° ,Azm336.0000°; N 0.3200,Plg4.0000°,Azm232.0000°; P -2.6600,Plg17.0000°,Azm141.0000° $M_0$2.50000×10^{16}
SZGRF Northwest of Kuril Islands, Russia.
ISC VII 03 09 41 29.7–.80 46.82N–.09 152.8E–.10 56–7 3.9b 77 4-149
ISCJB VII 03 09 41 27.4–.93 46.81N–.09 152.8E–.10 53–8 3.9b **¶13379270**
IDC VII 03 09 41 27.3–.83 46.90N 152.86E 34–6 3.9,3.8
MOS VII 03 09 41 27.7–.86 46.86N 152.82E 59 4.3b,3.8
NEIC VII 03 09 41 29.9–1.1 46.85N 152.75E 60–10 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=6.9km az=140.3.
IDC Error ellipse: s-maj=25.8km s-min=15.7km az=161.0.
MOS Error ellipse: s-maj=16.0km s-min=9.9km az=50.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.3km az=138.0.
ISC VII 05 10 34 55.7–.65 43.32N–.05 146.91E–.06 61–5 4.3b 84 1-83
ISCJB VII 05 10 34 54.3–.70 43.29N–.05 146.92E–.06 68–5 4.2b **¶11341984**
MOS VII 05 10 34 54.0–.88 43.32N 147.03E 69 4.8b
JMA VII 05 10 34 55.8–.20 43.25N 146.84E 59–2 4.5
SKHL VII 05 10 34 55.0–.70 43.25N 147.05E 56–16 5.5b
BJI VII 05 10 34 56.4 43.03N 146.61E 62 5.0b,4.6b
NEIC VII 05 10 34 57.4–.45 43.33N 146.94E 81 4.3b,4.6b
IDC VII 05 10 34 57.5–.81 43.32N 146.93E 81–8 4.0,3.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=5.2km az=137.4.
MOS Error ellipse: s-maj=13.1km s-min=8.6km az=101.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=7.6km az=138.0. Recorded [1 JMA] in eastern Hokkaido.
IDC Error ellipse: s-maj=15.1km s-min=14.2km az=31.0.
ISC VII 06 01 00 09.1–.08 45.33N–.02 151.16E–.02 23 5.5b,5.5s 1747 2-154
NIED VII 06 01 00 00 45.30N 151.50E 17 5.7W,5.5s **¶12951080**
BGS VII 06 01 00 04.3–1.4 45.13N 152.78E 10–0 5.7b,5.4s
JMA VII 06 01 00 06.1–.70 45.34N 151.53E 30 5.7,5.4s
ISCJB VII 06 01 00 06.8–.08 45.23N–.02 151.22E–.01 22 5.5b,5.5s
BJI VII 06 01 00 07.0 45.33N 150.95E 18 5.6s,5.6b
SKHL VII 06 01 00 07.5–1.8 45.15N 151.50E 46–15 6.3s,6.1b
NEIC VII 06 01 00 08.8–.11 45.35N 151.04E 22 5.7W,5.6W
DJA VII 06 01 00 08 45.33N 151.41E 23 5.9W,5.6W
MOS VII 06 01 00 09.3–.97 45.36N 151.10E 36 5.8b,5.5s
IDC VII 06 01 00 11.6–.38 45.41N 151.04E 43–3 5.4,5.4s
GCMT VII 06 01 00 13.9–.10 45.29N 151.39E 22–0 5.7W,5.4s
SZGRF VII 06 01 00 19.9 46.54N 150.28E 33 6.0b,5.9s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ49.00000°,λ72.00000°. NP2:ϕ_s234.00000°,δ45.00000°,λ110.00000°. $M_0$3.95000×10^{17}
BGS Error ellipse: s-maj=184.8km s-min=587.1km az=-1.0.
JMA Error ellipse: s-maj=4.4km s-min=6.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.3km az=163.7.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.2km az=164.0. Moment Tensor Solution. s88 Moment tensor: Scale 10^{17}Nm; M_{rr}1.91 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-1.64 $M_{r\theta}$1.50 $M_{\theta\phi}$-0.05 $M_{\phi r}$1.94 Best double couple: NP1:ϕ_s29.00000°,δ73.00000°,λ102.00000°. NP2:ϕ_s172.00000° ,δ21.00000°,λ55.00000°. Principal axes: T 3.2900,Plg60.0000°,Azm316.0000° ; N -0.5900,Plg11.0000°,Azm205.0000°; P -2.7000,Plg26.0000°,Azm109.0000° $M_0$3.00000×10^{17}
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=100.9. Felt (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
IDC Error ellipse: s-maj=12.8km s-min=10.0km az=130.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=227, per= 50. Moment Tensor Solution. s95,c188; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}3.70±.06 $M_{\theta\theta}$-1.71±.04; $M_{\phi\phi}$-2.00±.04; $M_{r\theta}$1.23±.08; $M_{\theta\phi}$-2.37±.03; $M_{\phi r}$2.32±.08; Best double couple: NP1:ϕ_s234.00000°,δ30.00000°,λ107.00000°. NP2:ϕ_s34.00000°,δ62.00000°,λ80.00000°. Principal axes: T 4.5500,Plg71.0000°,Azm282.0000°; N 0.4200,Plg8.0000°,Azm39.0000° ; P -4.9800,Plg16.0000°,Azm131.0000° $M_0$4.80000×10^{17}
SZGRF Kuril Islands, Russia.
ISC VII 06 01 14 13.8–1.5 45.2N–.10 151.2E–.20 41–12 4.1b 54 4-116
IDC VII 06 01 14 07.3–1.5 45.36N 151.52E 0 4.0b,4.0 **¶11810755**
MOS VII 06 01 14 09.1–.99 45.29N 151.50E 30 4.4b,4.0
NEIC VII 06 01 14 09.6–3.7 45.29N 151.62E 20–23 4.3b,4.0
JMA VII 06 01 14 10.5–.60 45.50N 151.31E 30 4.4,4.0
ISCJB VII 06 01 14 14.4–1.8 45.1N–.10 151.0E–.20 61–14 4.1b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
JMA VII 06 04 42 15.5–.30 43.68N 147.86E 7 3.5
¶13503985
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC VII 06 09 08 24.7–.08 45.29N–.02 151.11E–.01 45 5.8b,5.5s 2013 2-155
NIED VII 06 09 08 00 45.40N 151.30E 14 5.7W,5.5s **¶12951070**
BJI VII 06 09 08 18.5 45.35N 150.94E 10 6.0b,5.9b
SKHL VII 06 09 08 19.5–2.6 44.97N 151.54E 55–24 6.5b,6.3s
JMA VII 06 09 08 20.5–.50 45.40N 151.29E 30 6.1,6.3s
BGS VII 06 09 08 21.5–1.1 45.63N 151.34E 10–0 6.1b,5.4s
NEIC VII 06 09 08 21.3–.11 45.39N 150.97E 17 5.8b,5.7W
SZGRF VII 06 09 08 21.9 45.16N 151.25E 33 6.4b,6.0s
ISCJB VII 06 09 08 22.6–.08 45.22N–.02 151.16E–.01 43 5.8b,5.5s
MOS VII 06 09 08 22.7–1.0 45.38N 151.02E 40 6.0b,5.6s
IDC VII 06 09 08 24.5–.41 45.44N 151.06E 41–3 5.6,5.6s
GCMT VII 06 09 08 26.9–.10 45.28N 151.26E 24–0 5.7W,5.6s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ58.00000°,λ73.00000°. NP2:ϕ_s241.00000°,δ36.00000°,λ115.00000°. $M_0$4.09000×10^{17}
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
BGS Error ellipse: s-maj=125.4km s-min=330.5km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.1km az=162.0. Recorded [1 JMA] in southeastern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s35.00000°,δ70.00000°,λ80.00000°. NP2: ϕ_s242.00000°,δ22.00000°,λ116.00000°. Principal axes: T Plg64.0000°,Azm289.0000° ; N Plg0.0000°,Azm0.0000°; P Plg24.0000°,Azm133.0000°
SZGRF Kuril Islands, Russia.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.3km az=163.7.
MOS Error ellipse: s-maj=6.0km s-min=3.9km az=99.6.
IDC Error ellipse: s-maj=13.4km s-min=10.0km az=126.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=227, per= 50. Moment Tensor Solution. s93,c188; s16,c17; Moment tensor: Scale 10^{17}Nm; M_{rr}3.63±.07 $M_{\theta\theta}$-1.90±.05; $M_{\phi\phi}$-1.73±.05; $M_{r\theta}$1.36±.08; $M_{\theta\phi}$-2.34±.04; $M_{\phi r}$2.62±.09; Best double couple: NP1:ϕ_s240.00000°,δ28.00000°,λ113.00000°. NP2:ϕ_s34.00000°,δ64.00000°,λ78.00000°. Principal axes: T 4.7200,Plg69.0000°,Azm281.0000°; N 0.3500,Plg11.0000°,Azm39.0000° ; P -5.0700,Plg18.0000°,Azm133.0000° $M_0$4.90000×10^{17}
ISC VII 06 09 50 51.7–.23 45.19N–.04 151.08E–.04 46 4.8b,4.5s 464 2-150
NIED VII 06 09 50 00 45.30N 151.40E 23 4.7W,4.5s **¶13388325**
SKHL VII 06 09 50 44.0–1.3 44.78N 151.76E 69–30 5.9s,5.2b
BJI VII 06 09 50 46.0 45.41N 151.20E 18 5.2b,4.7s
NEIC VII 06 09 50 47.2–.23 45.29N 151.01E 10 4.9b,4.7s
JMA VII 06 09 50 47.1–.80 45.34N 151.39E 30 5.0,4.7s
MOS VII 06 09 50 49.6–.97 45.34N 151.07E 36 5.0b,4.1s
ISCJB VII 06 09 50 49.6–.23 45.11N–.04 151.09E–.04 44 4.8b,4.5s
IDC VII 06 09 50 52.0–.45 45.38N 151.01E 45–4 4.3,4.2
GCMT VII 06 09 51 05.2 47.58N 150.34E 33 5.1b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ50.00000°,λ90.00000°. NP2:ϕ_s222.00000°,δ40.00000°,λ91.00000°. $M_0$1.13000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.7km az=156.0.
JMA Error ellipse: s-maj=5.6km s-min=7.0km az=-1.0.
MOS Error ellipse: s-maj=7.8km s-min=4.6km az=102.4.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=2.4km az=149.5.
IDC Error ellipse: s-maj=14.6km s-min=10.1km az=146.0.
SZGRF Kuril Islands, Russia.
JMA VII 06 09 54 45.8–1.0 45.49N 151.09E 30 4.4
¶13504072
JMA Error ellipse: s-maj=10.0km s-min=9.4km az=-1.0.
ISC VII 06 10 25 30.1–.77 45.18N–.08 151.08E–.08 42–6 4.0b 101 2-83
SKHL VII 06 10 25 21.8–4.0 45.47N 151.80E 65–35 5.0b **¶11341998**
BJI VII 06 10 25 25.2 44.33N 150.71E 10 5.1b,4.1b
NEIC VII 06 10 25 25.7–.77 45.25N 151.20E 10 4.4b,4.1b
JMA VII 06 10 25 27.5–.50 45.44N 151.16E 30 4.5,4.1b
MOS VII 06 10 25 29.5–1.1 45.40N 150.96E 47 4.3b,4.1b
IDC VII 06 10 25 31.0–.73 45.38N 151.12E 47–7 3.8L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=11.2km az=137.0.
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=11.9km s-min=10.4km az=61.2.
IDC Error ellipse: s-maj=20.8km s-min=14.4km az=126.0.
ISC VII 06 14 55 01.6–3.2 46.0N–.20 150.4E–.30 14–24 3.7b 25 4-79
NIED VII 06 14 54 00 45.50N 151.20E 5 4.0W **¶11810809**
JMA VII 06 14 54 56.5–.90 45.52N 151.23E 30 4.3
IDC VII 06 14 55 02.5–1.1 46.42N 150.10E 0 3.8,3.7b
NEIC VII 06 14 55 03.6–.96 46.35N 150.01E 10 3.8,3.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s345.00000°,δ85.00000°,λ80.00000°. NP2:ϕ_s232.00000°,δ11.00000°,λ156.00000°. $M_0$1.20000×10^{15}
JMA Error ellipse: s-maj=8.9km s-min=8.6km az=-1.0.
IDC Error ellipse: s-maj=30.5km s-min=23.3km az=121.0.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=12.7km az=127.0.
ISC VII 06 15 00 31.0–1.1 45.19N–.04 151.18E–.05 34–7 4.6b,3.9s 265 2-150
NIED VII 06 15 00 00 45.40N 151.50E 32 4.4W,3.9s **¶11086388**
JMA VII 06 15 00 26.5–.60 45.37N 151.55E 30 4.8,3.9s
IDC VII 06 15 00 26.6–.59 45.34N 150.90E 0 4.3,4.3
ISCJB VII 06 15 00 27.9–1.1 45.12N–.05 151.16E–.06 25–7 4.6b,3.9s
MOS VII 06 15 00 28.7–.96 45.24N 151.09E 27 4.9b,3.9s
SKHL VII 06 15 00 29.2–1.8 45.10N 151.28E 34–3 5.9b,5.0s
BJI VII 06 15 00 30.6 45.32N 151.16E 45 4.7b,4.5b
NEIC VII 06 15 00 31.5–1.7 45.29N 150.94E 32–11 4.8b,4.0s
SZGRF VII 06 15 00 33.4 45.25N 150.40E 33 4.8b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ50.00000°,λ92.00000°. NP2:ϕ_s207.00000°,δ40.00000°,λ87.00000°. $M_0$4.45000×10^{15}
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=16.8km s-min=13.8km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=3.9km az=142.8.
MOS Error ellipse: s-maj=9.2km s-min=5.7km az=108.2.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.8km az=136.0.
SZGRF Kuril Islands, Russia.
ISC VII 06 15 36 19.6–1.7 45.07N–.09 151.32E–.09 35–13 4.1b 67 2-83
NIED VII 06 15 36 00 45.40N 151.50E 11 4.0W **¶13388350**
IDC VII 06 15 36 14.6–1.7 45.20N 151.27E 0 3.9b,3.9
MOS VII 06 15 36 15.5–1.9 44.97N 151.51E 28 4.5b,3.9
JMA VII 06 15 36 16.0–.70 45.43N 151.45E 30 4.1,3.9
BJI VII 06 15 36 17.2 44.56N 151.18E 31 4.3b,4.3b
NEIC VII 06 15 36 18.1–3.8 45.18N 151.16E 20–24 4.3b,4.3b
ISCJB VII 06 15 36 18.4–1.4 44.93N–.09 151.3E–.10 44–11 4.1b,4.3b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ65.00000°,λ60.00000°. NP2:ϕ_s229.00000°,δ38.00000°,λ137.00000°. $M_0$1.24000×10^{15}
NEIC Event type se.
ISCJB Event type se.
ISC VII 06 20 48 03.4–.51 46.39N–.05 151.14E–.07 121–4 4.1b 146 3-91
SKHL VII 06 20 47 59.1–1.7 46.16N 151.52E 154–22 5.3b,5.3s **¶11342005**
NIED VII 06 20 48 00 45.70N 151.40E 83 4.1W,5.3s
BJI VII 06 20 48 01.9 46.23N 151.07E 118 4.6b,4.5b
ISCJB VII 06 20 48 02.6–.59 46.37N–.05 151.11E–.07 127–5 4.1b,4.5b
NEIC VII 06 20 48 02.8–.81 46.58N 151.00E 106–7 4.6b,4.5b
MOS VII 06 20 48 02.4–1.2 46.60N 151.09E 117 4.6b,4.5b
IDC VII 06 20 48 05.6–2.3 46.74N 151.00E 127–21 3.9,3.8
JMA VII 06 20 48 05.2–.60 45.70N 151.40E 125 4.1,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s238.00000°,δ56.00000°,λ44.00000°. NP2:ϕ_s119.00000°,δ54.00000°,λ137.00000°. $M_0$1.81000×10^{15}

ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=5.2km az=138.1.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.2km az=138.0.
MOS Error ellipse: s-maj=11.1km s-min=7.2km az=73.7.
IDC Error ellipse: s-maj=15.5km s-min=10.4km az=155.0.
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.

ISC	**VII**	**07 20 17 00.6–.83**	**45.06N–.08**	**151.48E–.09**	**64–6**	**4.1b**	**98**	**3-83**	
NIED	VII	07 20 16 00	45.50N	151.60E	8	4.0W			¶13388436
SKHL	VII	07 20 16 54.9–2.1	45.13N	151.79E	39–8	5.0b,3.8s			
JMA	VII	07 20 16 56.7–.70	45.50N	151.58E	30	4.4,3.8s			
MOS	VII	07 20 16 57.4–1.5	45.33N	151.57E	47	4.2b,3.8s			
ISCJB	VII	07 20 16 58.3–.90	45.15N–.07	151.45E–.08	56–7	4.1b,3.5s			
BJI	VII	07 20 16 58.3	45.11N	151.53E	54	4.6b,4.2b			
NEIC	VII	07 20 16 59.2–1.1	45.41N	151.45E	40–10	4.5b,4.2b			
IDC	VII	07 20 17 00.5–3.0	45.46N	151.51E	50–27	3.8,3.8L			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ75.00000°,λ63.00000°. NP2:ϕ_s235.00000°,δ31.00000°,λ149.00000°. $M_0$1.09000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=7.0km az=-1.0.
MOS Error ellipse: s-maj=11.7km s-min=10.3km az=170.8.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=6.4km az=143.8.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.2km az=137.0.
IDC Error ellipse: s-maj=20.7km s-min=16.2km az=140.0.

ISC	**VII**	**07 20 56 28.2–.81**	**45.05N–.06**	**151.23E–.07**	**50–6**	**4.5b,3.9s**	**246**	**2-88**	
NIED	VII	07 20 56 00	45.40N	151.60E	23	4.3W,3.9s			¶11103538
IDC	VII	07 20 56 21.3–.94	45.35N	151.37E	0	4.2b,4.2			
JMA	VII	07 20 56 22.1–.70	45.43N	151.62E	30	4.9,4.2			
BJI	VII	07 20 56 23.6	45.21N	151.50E	35	4.7b,4.6b			
ISCJB	VII	07 20 56 26.6–.96	45.05N–.06	151.15E–.07	48–7	4.5b,3.9s			
NEIC	VII	07 20 56 28.8–1.2	45.31N	151.19E	46–9	4.6b,3.9s			
SKHL	VII	07 20 56 31.9–2.7	44.91N	150.97E	143–40	6.0s,4.8b			
MOS	VII	07 20 56 33.2–.94	45.10N	150.59E	91	4.4b,4.8b			
SZGRF	VII	07 20 56 35.7	46.51N	150.40E	33	4.4b,4.8b			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ49.00000°,λ107.00000°. NP2:ϕ_s199.00000°,δ44.00000°,λ72.00000°. $M_0$3.26000×10^{15}
IDC Error ellipse: s-maj=23.9km s-min=19.3km az=100.0.
JMA Error ellipse: s-maj=7.8km s-min=7.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.1km az=141.7.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.7km az=141.0.
MOS Error ellipse: s-maj=11.7km s-min=7.0km az=118.9.
SZGRF Kuril Islands, Russia.

ISC	**VII**	**07 21 17 41.3–1.3**	**45.5N–.20**	**151.6E–.20**	**35**	**3.8b,3.4s**	**17**	**3-79**	
MOS	VII	07 21 17 36.9–1.2	45.50N	151.71E	23	4.3b,3.4s			¶12698075
ISCJB	VII	07 21 17 38.8–1.3	45.5N–.20	151.7E–.20	33	3.8b,3.4s			
IDC	VII	07 21 17 43.0–9.3	45.49N	151.59E	52–72	3.7L,3.6			

MOS Error ellipse: s-maj=27.1km s-min=20.9km az=7.9.
ISCJB Error ellipse: s-maj=27.4km s-min=15.4km az=144.8.
IDC Error ellipse: s-maj=72.7km s-min=26.7km az=84.0.

ISC	**VII**	**07 21 57 17.9–.61**	**45.40N–.05**	**151.41E–.06**	**35–4**	**4.3b,3.8s**	**228**	**3-87**	
NIED	VII	07 21 57 00	45.50N	151.60E	5	4.2W,3.8s			¶13388442
SKHL	VII	07 21 57 14.2–1.3	45.25N	151.59E	37–5	5.1b,3.5s			
ISCJB	VII	07 21 57 15.5–1.2	45.33N–.06	151.41E–.06	32–8	4.3b,3.8s			
JMA	VII	07 21 57 15.0–.50	45.52N	151.61E	30	4.8,3.8s			
MOS	VII	07 21 57 16.1–.80	45.41N	151.44E	34	4.6b,3.8s			
BJI	VII	07 21 57 17.3	45.21N	151.31E	44	4.7b,4.4b			
NEIC	VII	07 21 57 18.7–.57	45.45N	151.44E	42–4	4.5b,4.4b			
IDC	VII	07 21 57 19.2–2.6	45.45N	151.45E	48–24	4.0L,3.9			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s6.00000°,δ77.00000°,λ73.00000°. NP2:ϕ_s240.00000°,δ21.00000°,λ142.00000°. $M_0$2.40000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=4.2km az=147.4.
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=9.2km s-min=6.6km az=102.2.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.1km az=136.0.
IDC Error ellipse: s-maj=19.1km s-min=14.0km az=152.0.

JMA	**VII**	**07 23 34 08.8–.20**	**43.67N**	**147.27E**	**28**	**3.6**	
							¶13504604

JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

JMA	**VII**	**08 05 04 16.5–.20**	**43.66N**	**147.83E**	**0**	**4.0**			
NIED	VII	08 05 04 00	43.70N	147.80E	35	3.8W			¶11746932

JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ70.00000°,λ91.00000°. NP2:ϕ_s223.00000°,δ20.00000°,λ88.00000°. $M_0$4.74000×10^{14}

ISC	**VII**	**08 13 24 48.8–.83**	**49.09N–.10**	**154.2E–.10**	**147–7**	**3.5b**	**28**	**2-76**	
ISCJB	VII	08 13 24 47.9–.84	49.13N–.10	154.2E–.10	156–7	3.5b			¶11810988
MOS	VII	08 13 24 48.2–1.4	49.15N	154.16E	163	3.8b			
NEIC	VII	08 13 24 48.7–.92	49.05N	154.11E	150–8	4.0b			
IDC	VII	08 13 24 49.4–2.0	49.11N	154.10E	153–17	3.4,3.3			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=8.3km az=139.2.
MOS Error ellipse: s-maj=21.4km s-min=12.9km az=65.7.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.1km az=143.0.
IDC Error ellipse: s-maj=20.9km s-min=13.2km az=142.0.

ISC	**VII**	**10 02 20 51.6–.82**	**48.11N–.07**	**154.33E–.09**	**64–6**	**4.4b**	**142**	**3-147**	
BJI	VII	10 02 20 48.6	47.77N	154.78E	92	4.3b,4.1b			¶13388631
ISCJB	VII	10 02 20 49.3–.94	48.08N–.07	154.30E–.09	58–7	4.4b,3.4s			
MOS	VII	10 02 20 50.4–1.6	48.09N	154.42E	68	4.8b,3.4s			
IDC	VII	10 02 20 51.9–3.5	48.14N	154.33E	70–31	4.0,3.9			
NEIC	VII	10 02 20 52.2–1.0	48.09N	154.46E	73–8	4.5b,3.9			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=5.7km az=141.4.
MOS Error ellipse: s-maj=10.7km s-min=7.0km az=93.7.
IDC Error ellipse: s-maj=20.1km s-min=13.1km az=165.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.0km az=150.0.

ISC	**VII**	**11 16 40 53.3–.40**	**50.03N–.04**	**155.17E–.04**	**132–3**	**4.2b**	**320**	**1-147**	
BJI	VII	11 16 40 47.4	49.75N	155.79E	127	4.8b,4.5b			¶11109059
IDC	VII	11 16 40 51.9–.68	50.14N	155.31E	118–6	4.0,3.9b			
ISCJB	VII	11 16 40 52.0–.43	50.02N–.05	155.23E–.04	138–3	4.2b,3.9b			
KRSC	VII	11 16 40 51.2–.10	49.74N	156.45E	115–114	4.3L,3.9b			
MOS	VII	11 16 40 52.3–.99	50.12N	155.21E	139	4.5b,3.9b			
NEIC	VII	11 16 40 52.4–.62	50.06N	155.21E	127–5	4.5b,3.9b			

ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=9.5km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.5km az=159.6.
KRSC Event type se.
MOS Error ellipse: s-maj=10.6km s-min=6.9km az=75.4.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.3km az=160.0.

JMA	**VII**	**11 18 12 35.9–.30**	**44.00N**	**148.21E**	**0**	**3.6**			
									¶13506064

JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.

ISC	**VII**	**11 20 39 23.4–1.2**	**48.8N–.10**	**154.7E–.10**	**72–11**	**3.8b**	**17**	**2-76**	
ISCJB	VII	11 20 39 21.6–1.4	48.8N–.10	154.7E–.10	71–13	3.8b			¶11811292
MOS	VII	11 20 39 21.6–1.6	48.68N	154.71E	80	4.1b			
IDC	VII	11 20 39 23.1–5.2	48.59N	154.75E	70–47	4.0L,3.7			
NEIC	VII	11 20 39 23.9–1.7	48.64N	154.72E	78–16	4.9b,3.7			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=9.3km az=144.3.
MOS Error ellipse: s-maj=31.6km s-min=14.3km az=58.9.
IDC Error ellipse: s-maj=38.1km s-min=23.8km az=148.0.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=10.1km az=150.0.

ISC	**VII**	**12 00 13 14.6–1.1**	**44.09N–.08**	**146.86E–.10**	**87–11**		**26**	**1-4**	
SKHL	VII	12 00 13 12.1–3.0	43.94N	147.24E	92–1	6.3s,5.2b			¶13506157
ISCJB	VII	12 00 13 13.6–1.2	44.11N–.08	146.85E–.10	94–11	6.3s,5.2b			
JMA	VII	12 00 13 15.2–.20	44.07N	146.78E	93–3	3.6,5.2b			

ISCJB Error ellipse: s-maj=15.9km s-min=6.5km az=138.5.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

ISC	**VII**	**12 00 58 52.3–2.8**	**44.3N–.60**	**149.3E–.20**	**35**	**3.8b**	**12**	**29-81**	
IDC	VII	12 00 58 46.3–3.8	44.14N	149.34E	0	3.9,3.7b			¶13388784
ISCJB	VII	12 00 58 50.8–2.8	44.4N–.60	149.2E–.20	33	3.8b,3.7b			
NEIC	VII	12 00 58 51.6–2.2	44.11N	149.26E	35	3.9b,3.7b			

ISC Event type se.
IDC Error ellipse: s-maj=117.1km s-min=34.6km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=83.2km s-min=24.5km az=178.0.
NEIC Event type se. Error ellipse: s-maj=69.6km s-min=18.3km az=179.0.

JMA	**VII**	**12 09 45 26.5–.30**	**43.54N**	**147.37E**	**17–5**	**3.5**	
							¶13506320

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.

JMA	**VII**	**12 15 47 58.0–.30**	**43.55N**	**147.30E**	**16–3**	**3.6**			
NIED	VII	12 15 47 00	43.60N	147.30E	47	3.7W			¶11746989

JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s299.00000°,δ85.00000°,λ-78.00000°. NP2:ϕ_s54.00000°,δ13.00000°,λ-155.00000°. $M_0$3.77000×10^{14}

KRSC	**VII**	**14 06 57 28.3–.70**	**50.97N**	**157.82E**	**40–29**	**4.0L**			
									¶12835202

KRSC Event type se.

JMA	**VII**	**14 14 35 11.8–.50**	**46.17N**	**152.43E**	**30**	**4.0**			
NIED	VII	14 14 35 00	46.20N	152.40E	32	3.5W			¶11747010

JMA Error ellipse: s-maj=7.8km s-min=6.2km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s103.00000°,δ69.00000°,λ-121.00000°. NP2:ϕ_s343.00000°,δ37.00000°,λ-37.00000°. $M_0$2.12000×10^{14}

ISC	**VII**	**15 14 19 26.0–.59**	**49.25N–.05**	**156.13E–.07**	**35–4**	**4.5b,3.9s**	**235**	**2-145**	
ISCJB	VII	15 14 19 22.4–1.0	49.24N–.04	156.15E–.07	22–7	4.5b,3.9s			¶11126426
KRSC	VII	15 14 19 23.2–1.1	49.25N	157.12E	10–10	4.9L,3.9s			
BJI	VII	15 14 19 23.6	49.21N	156.36E	42	4.7b,4.6b			
MOS	VII	15 14 19 25.9–1.2	49.34N	156.11E	49	4.9b,4.6b			
NEIC	VII	15 14 19 25.3–1.6	49.25N	156.15E	32–11	4.6b,4.0s			
IDC	VII	15 14 19 26.8–.50	49.27N	156.11E	45–4	4.1,4.0			
SZGRF	VII	15 14 19 34.2	50.70N	156.33E	33	4.7b,4.0s			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=3.7km az=42.0.
KRSC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=5.0km az=88.1.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.9km az=138.0.
IDC Error ellipse: s-maj=15.4km s-min=10.1km az=148.0.
SZGRF Kuril Islands, Russia.

JMA	**VII**	**16 01 02 56.9–.10**	**43.13N**	**146.23E**	**64–1**	**3.5**			
									¶13507864

JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

JMA	**VII**	**16 02 47 39.7–.50**	**45.28N**	**151.44E**	**30**	**4.0**			
NIED	VII	16 02 47 00	45.30N	151.40E	41	3.9W			¶11747030

JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ80.00000°,λ-49.00000°. NP2:ϕ_s159.00000°,δ42.00000°,λ-165.00000°. $M_0$8.61000×10^{14}

ISC	**VII**	**16 13 02 22.3–.41**	**45.23N–.03**	**151.06E–.04**	**36–3**	**4.9b,4.3s**	**523**	**2-153**	
NIED	VII	16 13 02 00	45.30N	151.10E	23	4.7W,4.3s			¶13389367
SKHL	VII	16 13 02 17.3–1.4	44.87N	151.33E	39–9	5.7b,5.5s			
ISCJB	VII	16 13 02 19.4–.78	45.16N–.03	151.07E–.03	30–5	4.9b,4.3s			
JMA	VII	16 13 02 20.6–.50	45.33N	151.15E	30	5.1,4.3s			
MOS	VII	16 13 02 20.9–.95	45.32N	150.99E	36	5.1b,4.2s			
BJI	VII	16 13 02 21.4	45.35N	150.85E	37	5.0b,5.0b			
NEIC	VII	16 13 02 22.5–.59	45.29N	151.03E	38–5	4.9b,4.5s			
IDC	VII	16 13 02 23.4–.42	45.40N	150.98E	44–4	4.4,4.4			
SZGRF	VII	16 13 02 30.2	47.20N	151.37E	33	5.2b,4.5s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ62.00000°,λ91.00000°. NP2:ϕ_s216.00000°,δ28.00000°,λ89.00000°. $M_0$1.32000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.0km az=150.4.
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=4.6km az=110.1.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=157.0.
IDC Error ellipse: s-maj=13.9km s-min=9.6km az=137.0.
SZGRF Kuril Islands, Russia.

KRSC	**VII**	**17 07 25 36.8–1.0**	**50.43N**	**156.88E**	**42–42**	**3.8L**			
									¶12835218

KRSC Event type se.

ISC	**VII**	**18 02 25 01.5–.23**	**43.40N–.04**	**147.72E–.03**	**39**	**4.7b,4.4s**	**384**	**1-93**	
NIED	VII	18 02 24 00	43.30N	147.90E	23	4.7W,4.4s			¶11133621
JMA	VII	18 02 24 54.5–.40	43.32N	147.91E	0	4.7,4.4s			
SKHL	VII	18 02 24 58.5–.60	43.21N	147.97E	59–25	5.3b,5.2s			
ISCJB	VII	18 02 24 59.5–.23	43.38N–.04	147.72E–.03	37	4.7b,4.4s			
BJI	VII	18 02 24 59.9	43.45N	147.78E	42	4.9b,4.7b			
MOS	VII	18 02 24 59.6–.92	43.35N	147.70E	39	5.0b,4.3s			
IDC	VII	18 02 25 00.5–.60	43.41N	147.76E	32–3	4.4,4.3b			
NEIC	VII	18 02 25 01.2–.72	43.43N	147.70E	36–6	4.8b,4.3b			
SZGRF	VII	18 02 25 06.4	44.34N	147.80E	33	4.8b,4.4s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ60.00000°,λ90.00000°. NP2:ϕ_s218.00000°,δ30.00000°,λ91.00000°. $M_0$1.12000×10^{16}
JMA Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.8km az=158.1.
MOS Error ellipse: s-maj=7.8km s-min=4.7km az=115.4.
IDC Error ellipse: s-maj=15.0km s-min=11.6km az=144.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=159.0.
SZGRF Kuril Islands, Russia.

ISC	**VII**	**18 06 16 41.0–1.0**	**44.49N–.08**	**148.7E–.10**	**56–10**	**3.6b**	**40**	**1-81**	
NIED	VII	18 06 16 00	44.60N	148.80E	59	3.8W			¶11747050
ISCJB	VII	18 06 16 39.5–1.1	44.47N–.08	148.7E–.10	60–10	3.6b			
JMA	VII	18 06 16 39.6–.40	44.59N	148.83E	30	4.2			
MOS	VII	18 06 16 43.4–1.2	45.07N	148.57E	73	4.0b			
IDC	VII	18 06 16 45.6–3.5	44.89N	148.72E	85–27	3.6,3.4			

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ65.00000°,λ133.00000°. NP2:ϕ_s152.00000°,δ49.00000°,λ35.00000°. $M_0$6.50000×10^{14}
ISCJB Error ellipse: s-maj=16.8km s-min=6.3km az=135.6.
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
MOS Error ellipse: s-maj=26.6km s-min=22.4km az=52.9.
IDC Error ellipse: s-maj=53.6km s-min=17.9km az=171.0.

ISC	**VII**	**18 08 02 42.1–.72**	**44.55N–.05**	**148.40E–.08**	**62–8**	**3.8b**	**63**	**1-115**	
NIED	VII	18 08 02 00	44.10N	148.20E	47	4.0W			¶11747051
JMA	VII	18 08 02 40.9–.40	44.11N	148.22E	0	4.7			
ISCJB	VII	18 08 02 40.7–.74	44.55N–.05	148.39E–.08	67–7	3.7b			
IDC	VII	18 08 02 41.6–.79	44.65N	148.43E	59–6	3.8,3.6			
MOS	VII	18 08 02 41.5–1.3	44.62N	148.27E	77	4.3b,3.6			
SKHL	VII	18 08 02 43.4–1.2	44.66N	148.31E	39–9	5.5b,3.6			

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s241.00000°,δ66.00000°,λ-143.00000°. NP2:ϕ_s134.00000°,δ56.00000°,λ-29.00000°. $M_0$1.02000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISCJB Error ellipse: s-maj=11.0km s-min=5.7km az=41.9.
IDC Error ellipse: s-maj=23.8km s-min=11.3km az=160.0.
MOS Error ellipse: s-maj=14.6km s-min=9.7km az=55.2.

ISC	**VII**	**18 09 27 56.7–.97**	**43.32N–.06**	**147.81E–.08**	**37–7**	**4.0b**	**64**	**2-82**	
NIED	VII	18 09 27 00	43.30N	147.90E	17	3.9W			¶13389494
JMA	VII	18 09 27 51.0–.50	43.26N	147.88E	0	4.0			
ISCJB	VII	18 09 27 54.8–1.1	43.29N–.06	147.89E–.09	40–8	4.0b			
MOS	VII	18 09 27 56.0–.81	43.47N	147.80E	44	4.4b			
NEIC	VII	18 09 27 58.2–.86	43.51N	147.74E	42–8	4.4b			
IDC	VII	18 09 27 59.0–2.8	43.48N	147.70E	52–25	3.8,3.6			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ61.00000°,λ90.00000°. NP2:ϕ_s223.00000°,δ29.00000°,λ91.00000°. $M_0$8.86000×10^{14}
JMA Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.7km az=40.0.
MOS Error ellipse: s-maj=12.7km s-min=10.5km az=99.4.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=6.6km az=147.0.
IDC Error ellipse: s-maj=24.1km s-min=16.9km az=154.0.

ISC	**VII**	**18 13 26 29.8–.84**	**45.15N–.10**	**150.9E–.10**	**49–8**	**3.8b,3.6s**	**66**	**2-80**	
JMA	VII	18 13 26 26.0–.50	45.50N	151.09E	30	4.1,3.6s			¶11811933
ISCJB	VII	18 13 26 28.5–1.1	45.0N–.10	151.0E–.10	63–11	3.8b,3.6s			
MOS	VII	18 13 26 30.5–1.3	45.36N	150.70E	61	4.0b,3.6s			
NEIC	VII	18 13 26 30.0–.78	45.44N	150.62E	35	3.9b,3.6s			
IDC	VII	18 13 26 32.5–3.2	45.41N	150.65E	59–28	3.6,3.5b			

ISC Event type se.
JMA Error ellipse: s-maj=5.6km s-min=4.7km az=-1.0.

ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=8.6km az=149.2.
MOS Error ellipse: s-maj=19.2km s-min=14.3km az=140.4.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=10.3km az=142.0.
IDC Error ellipse: s-maj=27.8km s-min=18.0km az=146.0.

ISC	**VII**	**18 13 56 19.4–.78**	**43.45N–.03**	**147.77E–.02**	**27–5**	**4.8b,4.2s**	**506**	**1-153**
NIED	VII	18 13 56 00	43.30N	148.00E	26	4.6W,4.2s		¶13389506
JMA	VII	18 13 56 12.4–.50	43.32N	148.04E	0	5.3,4.2s		
BJI	VII	18 13 56 13.8	43.50N	148.11E	18	5.0b,4.8b		
IDC	VII	18 13 56 15.0–.59	43.44N	147.79E	0	4.8,4.7b		
NEIC	VII	18 13 56 15.1–2.1	43.46N	147.79E	1–13	4.9b,4.7b		
ISCJB	VII	18 13 56 17.5–.76	43.35N–.03	147.81E–.02	29–5	4.8b,4.2s		
SKHL	VII	18 13 56 17.6–.70	43.31N	148.08E	48–15	5.1b,4.5s		
MOS	VII	18 13 56 19.0–1.0	43.45N	147.81E	39	5.1b,4.1s		
SZGRF	VII	18 13 56 23.9	44.33N	147.57E	34	4.8b,4.1s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s49.00000°,δ62.00000°,λ111.00000°. NP2:ϕ_s189.00000°,δ35.00000°,λ56.00000°. $M_0$8.45000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=16.8km s-min=13.1km az=151.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.9km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=2.7km az=163.7.
MOS Error ellipse: s-maj=8.0km s-min=4.7km az=112.8.
SZGRF Kuril Islands, Russia.

ISC	**VII**	**18 14 24 27.2–1.0**	**46.46N–.05**	**153.28E–.06**	**29–8**	**4.5b,3.7s**	**198**	**4-149**
NIED	VII	18 14 24 00	46.80N	153.20E	11	4.0W,3.7s		¶13389510
JMA	VII	18 14 24 25.6–.70	46.81N	153.17E	30	4.6,3.7s		
ISCJB	VII	18 14 24 25.2–.71	46.38N–.06	153.25E–.06	33–6	4.5b,3.7s		
MOS	VII	18 14 24 26.9–1.2	46.55N	153.26E	42	4.5b,3.7s		
SKHL	VII	18 14 24 26.1–.60	46.31N	153.63E	52–19	5.2b,3.9s		
NEIC	VII	18 14 24 27.3–2.0	46.53N	153.29E	30–14	4.7b,3.9s		
IDC	VII	18 14 24 27.3–.54	46.53N	153.27E	27–2	4.1,4.1		
SZGRF	VII	18 14 24 28.7	46.51N	153.32E	33	4.8b,4.1		
BJI	VII	18 14 24 34.0	46.48N	152.74E	86	4.7b,4.6b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s143.00000°,δ90.00000°,λ-23.00000°. NP2:ϕ_s233.00000°,δ67.00000°,λ-180.00000°. $M_0$9.70000×10^{14}
JMA Error ellipse: s-maj=10.0km s-min=7.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.1km az=151.9.
MOS Error ellipse: s-maj=9.2km s-min=7.1km az=83.9.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.9km az=147.0.
IDC Error ellipse: s-maj=16.5km s-min=11.1km az=151.0.
SZGRF Kuril Islands, Russia.

ISC	**VII**	**18 14 28 24.4–1.6**	**46.6N–.10**	**153.3E–.20**	**49–14**	**3.7b**	**20**	**5-77**
ISCJB	VII	18 14 28 21.8–1.9	46.6N–.10	153.2E–.20	43–16	3.7b		¶11811939
MOS	VII	18 14 28 22.4–1.1	46.61N	153.15E	50	4.1b		
NEIC	VII	18 14 28 22.6–.68	46.55N	153.13E	35	4.0b		
IDC	VII	18 14 28 23.5–3.3	46.52N	153.32E	43–30	3.6,3.4b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.1km s-min=12.9km az=138.2.
MOS Error ellipse: s-maj=25.0km s-min=13.9km az=71.5.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=13.5km az=119.0.
IDC Error ellipse: s-maj=27.6km s-min=19.2km az=114.0.

ISC	**VII**	**20 17 32 55.4–1.7**	**45.1N–.10**	**151.5E–.20**	**36–14**	**3.9b**	**15**	**3-70**
IDC	VII	20 17 32 51.4–1.6	45.21N	151.17E	0	3.8b,3.7		¶11812197
MOS	VII	20 17 32 53.6–1.2	45.16N	151.39E	39	4.0b,3.7		
NEIC	VII	20 17 32 54.0–4.9	45.18N	151.17E	17–32	4.3b,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=49.8km s-min=26.0km az=102.0.
MOS Error ellipse: s-maj=20.8km s-min=17.8km az=68.5.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=11.3km az=120.0.

JMA	**VII**	**20 22 15 49.8–.70**	**45.45N**	**151.43E**	**30**	**3.9**		
								¶13509850

JMA Error ellipse: s-maj=8.9km s-min=7.8km az=-1.0.

ISC	**VII**	**21 19 04 05.6–.61**	**47.69N–.08**	**151.6E–.10**	**173–6**	**3.7b**	**50**	**4-149**
ISCJB	VII	21 19 04 04.5–.64	47.71N–.08	151.6E–.10	179–6	3.7b		¶11812299
IDC	VII	21 19 04 04.9–1.8	47.75N	151.71E	166–16	3.7,3.6		
MOS	VII	21 19 04 04.6–.88	47.76N	151.58E	183	3.7b,3.6		
NEIC	VII	21 19 04 04.4–.93	47.72N	151.62E	163–9	4.8b,3.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=6.1km az=44.9.
IDC Error ellipse: s-maj=14.5km s-min=11.0km az=132.0.
MOS Error ellipse: s-maj=18.4km s-min=10.2km az=63.2.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.0km az=128.0.

ISC	**VII**	**21 19 58 27.6–.88**	**43.16N–.07**	**146.14E–.07**	**50–6**	**3.6b**	**34**	**0-84**
NIED	VII	21 19 58 00	43.10N	146.10E	47	3.7W		¶11747112
ISCJB	VII	21 19 58 26.5–.89	43.13N–.07	146.15E–.07	56–6	3.6b		
JMA	VII	21 19 58 27.6–.10	43.15N	146.09E	48–1	3.8		
MOS	VII	21 19 58 28.1–1.5	43.16N	146.07E	75	4.1b		
IDC	VII	21 19 58 29.4–2.7	42.96N	146.16E	79–21	3.6,3.4		
NEIC	VII	21 19 58 30.3–1.1	42.99N	146.15E	86–12	3.8,3.4		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s74.00000°,δ68.00000°,λ111.00000°. NP2:ϕ_s208.00000°,δ30.00000°,λ48.00000°. $M_0$4.21000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=6.6km az=150.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=19.1km s-min=13.5km az=63.0.
IDC Error ellipse: s-maj=32.2km s-min=18.6km az=2.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=10.9km az=149.0.

JMA	**VII**	**22 02 47 03.5–.40**	**44.21N**	**148.37E**	**0**	**4.4**		
								¶13510381

JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.

ISC	**VII**	**22 05 20 34.9–1.6**	**48.9N–.20**	**154.6E–.20**	**83–15**	**3.4b**	**15**	**2-76**
ISCJB	VII	22 05 20 33.4–1.9	48.8N–.20	154.6E–.20	87–17	3.4b		¶12698376
MOS	VII	22 05 20 34.2–.58	48.91N	154.49E	97	4.0b		
IDC	VII	22 05 20 34.5–3.3	48.76N	154.59E	82–30	3.6,3.3		

ISCJB Error ellipse: s-maj=39.0km s-min=11.7km az=143.1.
MOS Error ellipse: s-maj=43.4km s-min=18.4km az=60.3.
IDC Error ellipse: s-maj=41.2km s-min=15.9km az=149.0.

IDC	**VII**	**23 15 08 53.3–2.1**	**47.89N**	**153.50E**	**0**	**3.7b,3.7**		
								¶13389910

IDC Error ellipse: s-maj=64.0km s-min=32.3km az=73.0.

ISC	**VII**	**23 15 09 21.2–1.1**	**46.6N–.10**	**152.5E–.20**	**53–9**	**3.7b**	**47**	**3-83**
ISCJB	VII	23 15 09 18.7–1.2	46.6N–.10	152.5E–.20	47–11	3.7b		¶13389911
MOS	VII	23 15 09 20.3–1.8	46.68N	152.58E	65	4.2b		
NEIC	VII	23 15 09 20.9–.76	46.72N	152.41E	47	4.2b		
IDC	VII	23 15 09 21.5–3.3	46.74N	152.48E	52–28	3.6,3.5L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.3km s-min=8.2km az=140.5.
MOS Error ellipse: s-maj=19.0km s-min=13.9km az=46.5.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=12.9km az=139.0.
IDC Error ellipse: s-maj=29.0km s-min=19.6km az=136.0.

ISC	**VII**	**24 00 36 47.5–1.2**	**47.7N–.10**	**151.1E–.20**	**61–12**	**3.8b**	**19**	**7-80**
ISCJB	VII	24 00 36 45.1–1.5	47.7N–.10	151.1E–.20	56–14	3.8b		¶11812492
IDC	VII	24 00 36 47.9–3.0	47.77N	151.05E	63–25	3.6,3.5L		
NEIC	VII	24 00 36 47.3–1.4	47.73N	151.09E	60–13	3.9b,3.5L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=9.2km az=135.8.
IDC Error ellipse: s-maj=39.4km s-min=18.9km az=151.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=9.6km az=138.0.

ISC	**VII**	**24 01 43 18.4–.08**	**50.93N–.02**	**157.51E–.02**	**45**	**6.0s,5.8b**	**1978**	**1-159**
BJI	VII	24 01 43 13.5	50.87N	157.78E	33	6.1s,6.0b		¶11153647
ISCJB	VII	24 01 43 15.6–.08	50.84N–.02	157.59E–.02	39	6.0s,5.8b		
NEIC	VII	24 01 43 16.1–.10	50.97N	157.58E	27	6.2W,6.1W		
BGS	VII	24 01 43 16.2–1.2	51.12N	157.59E	20–0	5.9s,5.9b		
MOS	VII	24 01 43 16.6–.96	50.84N	157.59E	49	6.1s,6.1b		
KRSC	VII	24 01 43 17.6–1.5	50.80N	158.30E	36–35	6.3L,6.1b		
SZGRF	VII	24 01 43 19.7	50.52N	158.07E	84	6.1b,6.1b		
IDC	VII	24 01 43 19.7–2.2	50.97N	157.54E	61–19	5.9,5.8s		
GCMT	VII	24 01 43 22.7–.10	50.71N	158.15E	42–0	6.2W,5.8s		
DJA	VII	24 01 43 24	51.04N	157.80E	103	6.0W,5.8s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.4km az=169.6.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=1.7km az=170.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ60.00000°,λ100.00000°. NP2:ϕ_s206.00000°,δ31.00000°,λ73.00000°. Principal axes: T Plg73.0000°,Azm340.0000°; N Plg0.0000°,Azm0.0000°; P Plg14.0000°,Azm128.0000° Moment Tensor Solution. s177 Moment tensor: Scale 10^{18}Nm; M_{rr}1.58 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$-0.99 $M_{r\theta}$0.56 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.25 Best double couple: NP1:ϕ_s47.00000°,δ55.00000°,λ101.00000°. NP2:ϕ_s208.00000°,δ36.00000°,λ75.00000°. Principal axes: T 1.7200,Plg76.0000°,Azm352.0000°; N -0.1100,Plg8.0000°,Azm220.0000°; P -1.6100,Plg9.0000°,Azm129.0000° $M_0$1.70000×10^{18} Moment Tensor Solution. $M_0$2.90000×10^{18}
BGS Error ellipse: s-maj=140.4km s-min=366.0km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=5.9km s-min=3.1km az=90.8. Felt (III-IV) at Severo-Kuril'sk; (III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
KRSC Event type se.
SZGRF East of Kuril Islands, Russia.
IDC Error ellipse: s-maj=12.6km s-min=8.5km az=149.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=277, per= 50. Moment Tensor Solution. s109,c276; s85,c146; Moment tensor: Scale 10^{18}Nm; M_{rr}2.25±.01 $M_{\theta\theta}$-0.85±.01; $M_{\phi\phi}$-1.39±.01; $M_{r\theta}$0.86±.01; $M_{\theta\phi}$-1.34±.01; $M_{\phi r}$0.60±.01; Best double couple: NP1:ϕ_s212.00000°,δ34.00000°,λ78.00000°. NP2:ϕ_s46.00000°,δ57.00000°,λ98.00000°. Principal axes: T 2.4900,Plg77.0000°,Azm341.0000°; N 0.2100,Plg7.0000°,Azm222.0000°; P -2.7000,Plg12.0000°,Azm130.0000° $M_0$2.60000×10^{18}

ISC	**VII**	**24 01 52 22.0–.71**	**50.74N–.06**	**157.9E–.10**	**35**	**3.8b**	**27**	**1-82**
ISCJB	VII	24 01 52 20.0–.71	50.69N–.06	158.01E–.10	33	3.9b		¶11812495
MOS	VII	24 01 52 20.8–1.2	50.74N	157.91E	46	4.3b		
NEIC	VII	24 01 52 22.1–.98	50.70N	157.98E	35	4.3b		
IDC	VII	24 01 52 24.6–4.6	50.84N	157.71E	62–39	3.9,3.6L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.5km az=42.4.
MOS Error ellipse: s-maj=35.3km s-min=10.2km az=76.5.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=14.1km az=90.0.
IDC Error ellipse: s-maj=43.3km s-min=25.0km az=147.0.

ISC	**VII**	**24 01 53 14.1–1.3**	**50.85N–.08**	**158.0E–.10**	**53–11**	**3.9b**	**36**	**1-82**
ISCJB	VII	24 01 53 13.0–1.3	50.84N–.08	158.0E–.10	60–10	3.9b		¶11812496
KRSC	VII	24 01 53 12.1–.70	50.93N	158.01E	81–88	4.5L		
MOS	VII	24 01 53 13.5–1.2	51.03N	157.53E	70	4.1b		
IDC	VII	24 01 53 16.2–4.0	51.06N	157.72E	68–33	3.8,3.6L		
NEIC	VII	24 01 53 17.1–2.4	51.13N	157.56E	78–18	3.8,3.6L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=6.4km az=135.2.
KRSC Event type se.
MOS Error ellipse: s-maj=34.1km s-min=12.6km az=78.7.
IDC Error ellipse: s-maj=31.0km s-min=20.8km az=171.0.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=15.7km az=172.0.

ISC	**VII**	**24 03 20 44.7–.76**	**47.00N–.09**	**152.8E–.10**	**72–7**	**4.0b**	**81**	**4-149**
JMA	VII	24 03 20 39.7–.80	46.88N	153.35E	30	4.6		¶13389956
ISCJB	VII	24 03 20 42.6–.90	46.96N–.09	152.8E–.10	73–8	4.0b		
MOS	VII	24 03 20 44.0–1.1	47.17N	152.76E	80	4.3b		
NEIC	VII	24 03 20 45.9–1.1	47.22N	152.75E	74–10	4.3b		
IDC	VII	24 03 20 46.8–2.4	47.23N	152.72E	83–20	3.9,3.8		

ISC Event type se.
JMA Error ellipse: s-maj=8.9km s-min=8.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=5.3km az=138.2.
MOS Error ellipse: s-maj=19.0km s-min=9.6km az=52.9.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=7.6km az=136.0.
IDC Error ellipse: s-maj=21.2km s-min=12.0km az=150.0.

KRSC	**VII**	**24 13 30 41.9–1.0**	**50.96N**	**157.90E**	**87–92**	**3.6L**		
								¶12835259

KRSC Event type se.

IDC	**VII**	**27 01 42 52.8–3.6**	**44.53N**	**149.52E**	**0**	**3.8,3.6b**		
NIED	VII	27 01 42 00	44.50N	149.40E	20	3.5W,3.6b		¶11747169

IDC Error ellipse: s-maj=118.6km s-min=33.6km az=4.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ60.00000°,λ82.00000°. NP2:ϕ_s227.00000°,δ31.00000°,λ104.00000°. $M_0$2.06000×10^{14}

ISC	**VII**	**27 12 19 51.1–.79**	**48.45N–.08**	**154.4E–.10**	**62–5**	**4.3b**	**96**	**2-95**
ISCJB	VII	27 12 19 48.5–.88	48.39N–.07	154.5E–.10	56–6	4.3b,3.5s		¶11812717
MOS	VII	27 12 19 48.4–.90	48.35N	154.48E	57	4.7b,3.5s		
NEIC	VII	27 12 19 50.1–.76	48.35N	154.46E	58–6	4.4b,3.5s		
IDC	VII	27 12 19 51.2–2.8	48.43N	154.42E	67–25	3.9,3.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=5.3km az=136.3.
MOS Error ellipse: s-maj=13.1km s-min=7.6km az=75.5.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.7km az=144.0.
IDC Error ellipse: s-maj=21.8km s-min=12.9km az=156.0.

KRSC	**VII**	**28 12 33 09.5–.30**	**49.35N**	**155.42E**	**112–111**	**3.6L**		
								¶12835297

KRSC Event type se.

ISC	**VII**	**29 00 13 33.1–1.1**	**46.88N–.09**	**152.7E–.10**	**72–9**	**3.6b**	**36**	**4-78**
ISCJB	VII	29 00 13 31.5–1.2	46.89N–.09	152.7E–.10	75–10	3.6b		¶13390347
NEIC	VII	29 00 13 31.6–1.1	46.90N	152.61E	54–10	4.0b		
MOS	VII	29 00 13 31.5–1.1	46.90N	152.62E	74	4.3b		
IDC	VII	29 00 13 31.6–3.2	46.90N	152.65E	54–27	3.6,3.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=9.1km az=44.1.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.1km az=122.0.
MOS Error ellipse: s-maj=15.2km s-min=10.5km az=65.4.
IDC Error ellipse: s-maj=28.5km s-min=19.1km az=137.0.

ISC	**VII**	**29 11 34 07.5–2.8**	**45.9N–.20**	**150.5E–.30**	**115–23**	**3.6b**	**15**	**2-79**
IDC	VII	29 11 33 53.0–1.2	45.91N	150.58E	0	4.0,3.8b		¶12698481
ISCJB	VII	29 11 34 07.2–2.7	45.9N–.20	150.4E–.30	127–22	3.6b,3.8b		
MOS	VII	29 11 34 07.1–1.4	45.95N	150.30E	127	3.8b,3.8b		

IDC Error ellipse: s-maj=43.0km s-min=31.1km az=74.0.
ISCJB Error ellipse: s-maj=40.2km s-min=32.1km az=154.2.
MOS Error ellipse: s-maj=39.7km s-min=30.5km az=100.0.

ISC	**VII**	**29 16 19 56.0–.32**	**44.56N–.03**	**148.14E–.02**	**64–3**	**4.8b**	**659**	**1-153**
NIED	VII	29 16 19 00	44.10N	148.10E	41	4.4W		¶13390379
SZGRF	VII	29 16 19 42.5	43.55N	148.80E	33	4.8b		
DJA	VII	29 16 19 45	44.77N	149.48E	19	5.1b		
IDC	VII	29 16 19 47.1–.51	44.69N	148.21E	0	4.7,4.7		
MOS	VII	29 16 19 52.8–.81	44.49N	148.20E	55	5.0b,4.7		
JMA	VII	29 16 19 53.0–.30	44.11N	148.13E	0	4.6,4.7		
BJI	VII	29 16 19 53.0	44.51N	148.26E	61	4.9b,4.9b		
SKHL	VII	29 16 19 54.7–.60	44.51N	148.27E	61–1	5.2b,4.7s		
ISCJB	VII	29 16 19 54.1–.35	44.51N–.03	148.18E–.02	64–3	4.8b,4.7s		
NEIC	VII	29 16 19 54.8–.54	44.62N	148.16E	55–4	4.8b,4.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s353.00000°,δ83.00000°,λ65.00000°. NP2:ϕ_s249.00000°,δ26.00000°,λ164.00000°. $M_0$5.22000×10^{15}
SZGRF East of Kuril Islands, Russia.
IDC Error ellipse: s-maj=16.2km s-min=14.2km az=152.0.
MOS Error ellipse: s-maj=7.2km s-min=5.1km az=103.2.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.4km az=158.2.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.2km az=157.0. Recorded [1 JMA] in eastern Hokkaido.

ISC	**VII**	**30 05 52 49.0–1.6**	**45.23N–.07**	**151.37E–.07**	**28–12**	**4.1b**	**80**	**2-79**
BJI	VII	30 05 52 44.8	45.29N	151.52E	19	4.7b,4.6b		¶13390422
IDC	VII	30 05 52 45.3–.96	45.43N	151.25E	0	4.0,4.0		
ISCJB	VII	30 05 52 46.0–1.6	45.22N–.07	151.39E–.07	22–12	4.1b,4.0		
JMA	VII	30 05 52 46.4–.80	45.58N	151.42E	30	4.7,4.0		
NEIC	VII	30 05 52 46.1–.69	45.24N	151.35E	10	4.7b,4.0		
SKHL	VII	30 05 52 47.4–.40	45.02N	151.55E	39–7	5.1b,4.1s		
MOS	VII	30 05 52 48.7–.94	45.39N	151.26E	37	4.3b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=16.1km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=5.8km az=151.0.
JMA Error ellipse: s-maj=8.9km s-min=7.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=8.6km az=145.0.
MOS Error ellipse: s-maj=11.5km s-min=10.1km az=140.7.

JMA	**VII**	**30 06 18 37.5–.40**	**44.04N**	**148.09E**	**0**	**4.3**		

¶13513741

JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
JMA VII 30 14 15 59.7–.30 44.01N 148.07E 0 4.0

¶13513878

JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC VII 30 23 16 17.7–.65 45.22N–.05 150.06E–.07 68–5 3.8b 112 2-83
NIED VII 30 23 16 00 45.40N 150.00E 50 4.1W ¶11342380
ISCJB VII 30 23 16 15.9–.71 45.22N–.05 150.07E–.07 70–6 3.8b
SKHL VII 30 23 16 15.3–1.1 45.30N 150.11E 35–3 5.0b
MOS VII 30 23 16 16.6–.97 45.26N 150.07E 73 4.3b
JMA VII 30 23 16 16.1–.70 45.38N 150.01E 30 4.6
NEIC VII 30 23 16 20.0–.62 45.31N 149.97E 89–5 4.2b
IDC VII 30 23 16 20.2–2.8 45.31N 150.00E 90–24 3.7,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s137.00000°,δ81.00000°,λ-33.00000°. NP2:ϕ_s232.00000°,δ57.00000°,λ-170.00000°. $M_0$1.78000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.0km az=44.7.
MOS Error ellipse: s-maj=9.1km s-min=8.0km az=65.3.
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.1km az=137.0.
IDC Error ellipse: s-maj=23.2km s-min=14.5km az=161.0.
ISC VII 31 01 19 14.7–.28 45.95N–.03 149.18E–.02 150–3 4.6b 887 1-153
NIED VII 31 01 19 00 45.20N 149.40E 20 4.2W ¶11154011
BJI VII 31 01 19 09.7 46.02N 149.92E 156 4.7b,4.5b
SKHL VII 31 01 19 13.2–1.9 45.73N 149.23E 164–14 6.3b,5.3s
MOS VII 31 01 19 13.7–.84 45.96N 149.26E 155 4.7b,5.3s
ISCJB VII 31 01 19 13.4–.29 45.89N–.03 149.27E–.02 155–3 4.6b,5.3s
SZGRF VII 31 01 19 14.2 48.76N 149.46E 33 4.6b,5.3s
NEIC VII 31 01 19 15.3–.48 45.97N 149.18E 156–4 4.7b,5.3s
IDC VII 31 01 19 15.7–2.1 46.09N 149.22E 158–18 4.2,4.2
JMA VII 31 01 19 17.0–.60 45.19N 149.40E 159 4.7,4.2
BGS VII 31 01 19 31.4–1.8 48.65N 147.30E 153–0 4.6b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s283.00000°,δ76.00000°,λ135.00000°. NP2:ϕ_s26.00000°,δ47.00000°,λ19.00000°. $M_0$2.08000×10^{15}
MOS Error ellipse: s-maj=7.0km s-min=4.7km az=91.6.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=2.6km az=170.2.
SZGRF Northwest of Kuril Islands, Russia.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=2.6km az=172.0.
IDC Error ellipse: s-maj=16.0km s-min=10.4km az=160.0.
JMA Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
BGS Error ellipse: s-maj=457.9km s-min=999.9km az=-1.0.
KRSC VII 31 13 07 39.1–1.4 50.01N 156.40E 95–95 3.6L

¶12835326

KRSC Event type se.
ISC VIII 01 09 34 55.1–1.7 43.3N–.10 146.8E–.10 66–12 3.5b 19 1-45
IDC VIII 01 09 34 31.1–11 35.42N 143.62E 0 3.8b,3.5 ¶12580888
JMA VIII 01 09 34 54.8–.20 43.27N 146.80E 64–2 3.3,3.5
IDC Error ellipse: s-maj=235.0km s-min=106.6km az=166.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
KRSC VIII 01 09 47 46.7–.40 50.79N 157.12E 76–83 3.7L

¶12835329

KRSC Event type se.
IDC VIII 01 19 25 17.5–27 47.14N 152.86E 0 3.8,3.7b

¶12580891

IDC Error ellipse: s-maj=621.5km s-min=88.2km az=155.0.
ISC VIII 02 00 17 07.9–.67 46.81N–.06 152.95E–.07 51–5 4.4b,3.5s 157 4-149
NIED VIII 02 00 17 00 46.80N 153.20E 11 4.1W,3.5s ¶11308373
JMA VIII 02 00 17 04.4–.70 46.77N 153.20E 30 4.8,3.5s
ISCJB VIII 02 00 17 05.4–.78 46.77N–.06 152.96E–.07 47–6 4.4b,3.5s
SKHL VIII 02 00 17 06.1–1.4 46.55N 153.27E 92–18 5.7s,5.0b
MOS VIII 02 00 17 08.0–1.0 46.77N 152.87E 73 4.5b,5.0b
IDC VIII 02 00 17 10.8–6.2 47.01N 152.82E 76–55 3.9,3.9
NEIC VIII 02 00 17 11.9–1.2 47.03N 152.86E 84–11 4.2b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s324.00000°,δ73.00000°,λ55.00000°. NP2:ϕ_s212.00000°,δ39.00000°,λ153.00000°. $M_0$1.37000×10^{15}
JMA Error ellipse: s-maj=11.1km s-min=9.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=5.0km az=145.6.
MOS Error ellipse: s-maj=10.8km s-min=8.3km az=80.9.
IDC Error ellipse: s-maj=22.9km s-min=15.1km az=165.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.0km az=169.0.
KRSC VIII 02 09 50 24.1–1.2 49.39N 156.71E 10–10 3.9L

¶12835331

KRSC Event type se.
ISC VIII 03 02 12 14.8–.62 45.74N–.07 149.83E–.10 112–6 4.0b 67 1-80
SKHL VIII 03 02 12 10.1–1.3 46.01N 150.33E 33–8 4.5b ¶11907722
IDC VIII 03 02 12 11.7–11 45.88N 149.92E 75–105 3.8,3.6b
JMA VIII 03 02 12 11.9–.40 45.76N 150.16E 30 4.4,3.6b
MOS VIII 03 02 12 13.9–.99 45.88N 149.80E 118 4.2b,3.6b
ISCJB VIII 03 02 12 13.5–.64 45.77N–.07 149.82E–.09 115–6 4.0b,3.6b
NEIC VIII 03 02 12 17.3–1.7 45.94N 149.84E 129–15 4.1b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=18.1km az=161.0.
JMA Error ellipse: s-maj=4.4km s-min=5.4km az=-1.0.
MOS Error ellipse: s-maj=17.3km s-min=12.1km az=59.1.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=5.8km az=139.2.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=9.2km az=161.0.
KRSC VIII 03 07 52 53.7–.80 50.75N 157.21E 66–65 3.5L

¶12835334

KRSC Event type se.
KRSC VIII 03 17 49 34.9–1.2 50.16N 156.97E 48–47 3.5L

¶12835333

KRSC Event type se.
ISC VIII 03 18 04 34.0–1.2 46.6N–.10 153.3E–.10 43–8 4.0b 43 4-78
ISCJB VIII 03 18 04 32.0–1.3 46.63N–.10 153.3E–.10 41–10 4.0b ¶11308391
MOS VIII 03 18 04 32.4–1.8 46.58N 153.31E 49 4.5b
IDC VIII 03 18 04 37.2–3.9 46.58N 153.27E 76–35 3.8,3.7
NEIC VIII 03 18 04 38.6–1.7 46.64N 153.23E 88–12 4.0b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=7.1km az=138.4.
MOS Error ellipse: s-maj=12.9km s-min=9.5km az=69.0.
IDC Error ellipse: s-maj=23.0km s-min=16.8km az=151.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=10.5km az=160.0.
ISC VIII 04 04 42 15.7–.08 49.86N–.02 156.36E–.02 84 5.5b 1760 1-158
BGS VIII 04 04 42 10.9–1.4 49.79N 155.33E 40–0 5.7b ¶11154150
BJI VIII 04 04 42 11.6 49.84N 156.29E 69 5.6b,5.6b
IDC VIII 04 04 42 12.1–1.8 49.98N 156.32E 50–14 5.2,5.2
SZGRF VIII 04 04 42 12.8 50.23N 156.31E 33 6.0b,5.0s
KRSC VIII 04 04 42 13.1–1.2 49.92N 157.26E 5–5 6.0L,5.0s
ISCJB VIII 04 04 42 13.5–.08 49.80N–.02 156.46E–.02 82 5.5b,5.0s
DJA VIII 04 04 42 14 50.17N 157.62E 118 5.4b,5.0s
NEIC VIII 04 04 42 14.8–.48 49.85N 156.38E 77–4 5.8W,5.7W
MOS VIII 04 04 42 16.0–1.0 50.10N 156.27E 102 5.7b,4.9s
GCMT VIII 04 04 42 18.3–.10 49.77N 156.70E 90–1 5.7W,4.9s
ISC Event type fe.
BGS Error ellipse: s-maj=162.9km s-min=508.6km az=-1.0.
IDC Error ellipse: s-maj=14.2km s-min=9.4km az=155.0.
SZGRF Kuril Islands, Russia.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.4km az=169.9.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.0km az=171.0. Moment Tensor Solution. s147 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.88 $M_{\theta\theta}$0.54 $M_{\phi\phi}$0.34 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.43 $M_{\phi r}$4.32 Best double couple: NP1:ϕ_s189.00000°,δ86.00000°,λ-85.00000°. NP2:ϕ_s314.00000°,δ6.00000°,λ-145.00000°. Principal axes: T 4.1000,Plg41.0000°,Azm273.0000° ; N 0.6800,Plg5.0000°,Azm8.0000°; P -4.7800,Plg48.0000°,Azm104.0000° $M_0$4.50000×10^{17}
MOS Event type fe. Error ellipse: s-maj=7.9km s-min=5.4km az=75.0. Felt (V) at Severo-Kuril'sk; (III-IV) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=236, per= 50. Moment Tensor Solution. s102,c218; s52,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54±.06 $M_{\theta\theta}$-0.16±.06; $M_{\phi\phi}$0.69±.06; $M_{r\theta}$0.71±.04; $M_{\theta\phi}$-0.56±.06; $M_{\phi r}$4.86±.04; Best double couple: NP1:ϕ_s300.00000°,δ8.00000°,λ-158.00000°. NP2:ϕ_s188.00000°,δ87.00000°,λ-82.00000°. Principal axes: T 4.9800,Plg41.0000°,Azm271.0000°; N 0.0100,Plg8.0000°,Azm7.0000° ; P -4.9900,Plg48.0000°,Azm106.0000° $M_0$5.00000×10^{17}
JMA VIII 05 00 46 11.9–.30 44.28N 147.92E 5 4.0

¶13515940

JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC VIII 05 02 00 01.4–.34 44.53N–.03 148.04E–.03 66–3 4.6b 599 1-153
NIED VIII 05 01 59 00 44.00N 148.10E 50 4.6W ¶13390887
BJI VIII 05 01 59 58.5 44.46N 148.33E 72 4.8b,4.8b
JMA VIII 05 01 59 58.2–.30 44.03N 148.07E 0 4.9,4.8b
MOS VIII 05 01 59 58.5–.93 44.50N 148.07E 58 4.9b,4.8b
SKHL VIII 05 01 59 59.1–1.6 44.49N 148.30E 60–29 5.2b,3.8s
ISCJB VIII 05 01 59 59.8–.36 44.53N–.03 148.07E–.02 66–3 4.6b,3.8s
IDC VIII 05 02 00 00.7–2.7 44.56N 148.10E 61–23 4.4,4.4
NEIC VIII 05 02 00 01.6–.57 44.52N 148.01E 71–5 4.7b,4.4
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ75.00000°,λ92.00000°. NP2:ϕ_s204.00000°,δ15.00000°,λ82.00000°. $M_0$8.12000×10^{15}
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=8.0km s-min=5.0km az=101.7. Felt (III-IV) at Kuril'sk, Gornyi; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
SKHL Event type fe. Felt (III-IV) at Kurilsk, Gorny, (II) at Yushno-Kurilsk.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.6km az=162.2.
IDC Error ellipse: s-maj=15.4km s-min=11.7km az=152.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.4km az=161.0. Recorded [1 JMA] in eastern Hokkaido.
ISC VIII 07 09 54 39.4–.74 46.81N–.06 153.10E–.08 57–7 4.2b 99 4-78
NIED VIII 07 09 54 00 47.10N 153.20E 35 4.3W ¶13391067
SKHL VIII 07 09 54 31.4–.70 46.11N 153.93E 115–31 5.7s,5.1b
IDC VIII 07 09 54 32.3–.80 47.00N 152.99E 0 4.3,4.2
JMA VIII 07 09 54 34.8–.60 47.10N 153.24E 30 4.8,4.2
NEIC VIII 07 09 54 37.7–2.9 47.09N 153.01E 33–21 4.6b,4.2
ISCJB VIII 07 09 54 38.1–.88 46.78N–.07 153.02E–.08 64–8 4.2b,4.2
MOS VIII 07 09 54 39.4–1.2 46.83N 153.06E 76 4.5b,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ74.00000°,λ153.00000°. NP2:ϕ_s318.00000°,δ64.00000°,λ18.00000°. $M_0$2.96000×10^{15}
IDC Error ellipse: s-maj=25.2km s-min=15.8km az=155.0.
JMA Error ellipse: s-maj=8.9km s-min=7.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=7.9km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=6.2km az=142.4.
MOS Error ellipse: s-maj=13.1km s-min=9.5km az=50.2.
ISC VIII 07 23 02 14.4–1.3 49.6N–.10 156.61E–.10 89–9 3.5b 55 1-78
IDC VIII 07 23 02 00.0–2.2 48.83N 156.46E 0 4.4L,3.8 ¶11907939
MOS VIII 07 23 02 04.2–.75 49.05N 156.52E 35 4.0b,3.8
NEIC VIII 07 23 02 06.4–1.4 49.02N 156.50E 38–13 4.2b,3.8
KRSC VIII 07 23 02 11.4–.80 49.60N 157.01E 72–77 4.6L,3.8
ISCJB VIII 07 23 02 12.9–1.4 49.6N–.10 156.7E–.10 94–10 3.5b,3.8
ISC Event type se.
NEIC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC VIII 08 05 56 14.8–1.2 43.1N–.10 146.1E–.10 55–8 3.3b 21 0-84
ISCJB VIII 08 05 56 14.0–1.1 43.1N–.10 146.1E–.10 62–7 3.3b ¶12580975
JMA VIII 08 05 56 14.3–.10 43.13N 146.16E 52–1 3.4
IDC VIII 08 05 56 16.6–5.8 42.76N 146.02E 89–36 3.3,3.2
ISCJB Error ellipse: s-maj=17.8km s-min=10.8km az=155.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=79.8km s-min=23.5km az=180.0.
ISC VIII 08 23 13 58.6–.48 49.01N–.04 155.71E–.05 44–3 4.5b,4.2s 297 2-147
IDC VIII 08 23 13 51.6–.59 48.98N 155.64E 0 4.3,4.3 ¶11160019
SKHL VIII 08 23 13 52.3–1.4 48.58N 156.54E 34–3 5.5b,5.4s
KRSC VIII 08 23 13 54.0–1.5 48.93N 156.86E 5–5 5.0L,5.4s
ISCJB VIII 08 23 13 56.2–.57 48.97N–.04 155.77E–.05 40–4 4.5b,4.2s
MOS VIII 08 23 13 56.2–1.4 49.04N 155.79E 39 4.8b,4.1s
BJI VIII 08 23 13 56.3 48.92N 155.75E 49 4.7b,4.6b
NEIC VIII 08 23 13 58.6–.79 49.00N 155.69E 46–7 4.6b,4.6b
GCMT VIII 08 23 14 00.7–.60 48.82N 156.04E 33–0 4.9W,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=12.5km az=162.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.5km az=144.8.
MOS Error ellipse: s-maj=7.7km s-min=4.7km az=84.3.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.5km az=162.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s20,c26; s52,c74; Moment tensor: Scale 10^{16}Nm; M_{rr}2.60±.18 $M_{\theta\theta}$-0.95±.11; $M_{\phi\phi}$-1.65±.11; $M_{r\theta}$0.57±.12; $M_{\theta\phi}$-0.85±.05; $M_{\phi r}$0.48±.09; Best double couple: NP1:ϕ_s210.00000°,δ37.00000°,λ84.00000°. NP2:ϕ_s38.00000°,δ53.00000°,λ94.00000°. Principal axes: T 2.7200,Plg81.0000° ,Azm328.0000°; N -0.4000,Plg4.0000°,Azm215.0000°; P -2.3200,Plg8.0000°,Azm125.0000° $M_0$2.50000×10^{16}
KRSC VIII 10 03 05 27.6–3.0 49.51N 155.29E 153–83 4.2L

¶12835349

KRSC Event type se.
ISC VIII 10 12 30 16.8–2.1 49.1N–.10 155.8E–.20 35 15 2-7
MOS VIII 10 12 30 12.9–1.4 49.05N 156.17E 22 4.2b ¶12835348
KRSC VIII 10 12 30 12.2–.70 49.00N 156.24E 10–10 4.2L
ISC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=19.1km az=76.5.
KRSC Event type se.
ISC VIII 11 18 08 06.1–1.7 46.2N–.20 152.7E–.20 76–11 3.7b 20 5-78
NIED VIII 11 18 07 00 46.50N 152.90E 5 3.8W ¶11747364
IDC VIII 11 18 07 56.6–1.8 46.54N 153.01E 0 3.9,3.8b
MOS VIII 11 18 08 01.5–2.2 46.24N 152.66E 45 4.1b,3.8b
ISCJB VIII 11 18 08 03.6–2.0 46.3N–.20 152.7E–.20 70–14 3.7b,3.8b
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s229.00000°,δ76.00000°,λ136.00000°. NP2:ϕ_s333.00000°,δ48.00000°,λ20.00000°. $M_0$5.83000×10^{14}
KRSC VIII 12 09 22 18.4–1.1 50.66N 157.99E 83–97 3.9L

¶12835353

KRSC Event type se.
ISC VIII 13 12 02 05.3–.94 45.15N–.08 151.03E–.09 46–9 3.7b,3.5s 55 2-148
NIED VIII 13 12 02 00 45.50N 151.00E 17 3.9W,3.5s ¶13391630
MOS VIII 13 12 02 03.8–1.0 45.28N 151.04E 48 4.5b,3.5s
JMA VIII 13 12 02 03.1–.50 45.54N 150.99E 30 4.4,3.5s
ISCJB VIII 13 12 02 04.6–1.3 45.04N–.08 150.95E–.10 58–12 3.7b,3.5s
IDC VIII 13 12 02 06.7–4.7 45.34N 150.97E 55–41 3.6,3.5b
NEIC VIII 13 12 02 07.6–2.1 45.30N 151.01E 64–18 4.4b,3.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s6.00000°,δ56.00000°,λ67.00000°. NP2: ϕ_s224.00000°,δ40.00000°,λ121.00000°. $M_0$6.77000×10^{14}
MOS Error ellipse: s-maj=16.9km s-min=14.0km az=147.7.
JMA Error ellipse: s-maj=6.7km s-min=5.5km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=10.5km az=149.1.
IDC Error ellipse: s-maj=26.9km s-min=21.5km az=112.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=14.0km az=96.0.
ISC VIII 13 12 03 13.4–1.5 45.4N–.10 150.9E–.10 57–13 3.5b 21 2-80
ISCJB VIII 13 12 03 11.2–1.7 45.3N–.10 151.0E–.10 55–15 3.5b ¶12581053
MOS VIII 13 12 03 12.8–1.4 45.55N 150.61E 72 4.1b
IDC VIII 13 12 03 13.5–5.1 45.36N 150.95E 61–47 3.5L,3.5
ISCJB Error ellipse: s-maj=25.8km s-min=10.3km az=148.3.
MOS Error ellipse: s-maj=22.3km s-min=14.4km az=144.4.
IDC Error ellipse: s-maj=33.1km s-min=20.7km az=120.0.
ISC VIII 13 13 57 18.8–2.7 46.8N–.30 153.3E–.40 52–29 3.5b 12 4-77
NIED VIII 13 13 57 00 47.10N 153.00E 32 3.7W ¶11747384
ISCJB VIII 13 13 57 16.9–2.8 46.8N–.30 153.3E–.30 54–29 3.5b
MOS VIII 13 13 57 17.5–.67 46.88N 153.18E 60 4.1b
IDC VIII 13 13 57 20.3–7.8 46.95N 153.13E 70–80 3.6,3.4L
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s301.00000°,δ84.00000°,λ22.00000°. NP2:ϕ_s209.00000°,δ68.00000°,λ174.00000°. $M_0$3.90000×10^{14}
ISCJB Error ellipse: s-maj=59.1km s-min=10.5km az=141.6.
MOS Error ellipse: s-maj=45.3km s-min=18.4km az=50.4.
IDC Error ellipse: s-maj=96.8km s-min=19.5km az=131.0.
ISC VIII 13 22 22 06.2–1.0 44.36N–.06 148.6E–.10 58–8 3.9b 57 1-81

JMA VIII 13 22 22 03.8–.20 43.86N 148.42E 0 4.1 **¶13391678**
ISCJB VIII 13 22 22 05.0–1.0 44.34N–.06 148.52E–.10 66–7 3.8b
MOS VIII 13 22 22 05.9–.73 44.49N 148.49E 71 4.3b
NEIC VIII 13 22 22 08.0–1.1 44.46N 148.51E 73–10 4.1b
IDC VIII 13 22 22 09.6–4.2 44.46N 148.48E 85–38 3.6,3.4b
ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=6.5km az=39.7.
MOS Error ellipse: s-maj=16.5km s-min=13.4km az=101.6.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.3km az=152.0.
IDC Error ellipse: s-maj=25.5km s-min=24.1km az=129.0.
KRSC VIII 14 02 36 09.6–1.2 49.22N 156.18E 11–11 4.1L
¶12835360
KRSC Event type se.
KRSC VIII 14 09 09 22.4–1.0 50.51N 157.25E 54–54 3.7L
¶12835359
KRSC Event type se.
ISC VIII 14 11 10 37.6–.25 43.94N–.02 147.55E–.02 75–2 5.4b 1566 1-153
NIED VIII 14 11 10 00 43.70N 147.60E 74 5.4W **¶13391719**
BJI VIII 14 11 10 29.4 43.97N 147.74E 25 5.3b,5.1b
DJA VIII 14 11 10 32 43.90N 147.77E 27 5.6b,5.1b
ISCJB VIII 14 11 10 35.9–.28 43.89N–.02 147.59E–.02 76–2 5.4b,5.1b
NEIC VIII 14 11 10 35.7–.53 43.98N 147.55E 59–4 5.4b,5.3W
MOS VIII 14 11 10 35.9–1.4 43.94N 147.58E 83 5.7b,4.5s
PDG VIII 14 11 10 36.8 44.00N 147.50E 60 5.7b,4.5s
BGS VIII 14 11 10 36.9–1.3 44.25N 147.87E 60–0 5.5b,4.5s
JMA VIII 14 11 10 37.0–.20 43.66N 147.64E 63 5.4,4.5s
IDC VIII 14 11 10 37.7–.47 43.94N 147.60E 77–4 5.4,5.4
SKHL VIII 14 11 10 37.4–.60 43.85N 147.63E 77–9 6.0b,5.8
GCMT VIII 14 11 10 38.8–.10 43.93N 147.66E 74–1 5.4W,5.8
SZGRF VIII 14 11 10 44.5 45.39N 145.77E 33 5.8b,4.9s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s250.00000°,δ79.00000°,λ-114.00000°. NP2:ϕ_s137.00000°,δ27.00000°,λ-25.00000°. $M_0$1.53000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=1.9km az=169.5.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=167.0. Recorded [3 JMA] in eastern Hokkaido. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Moment Tensor Solution. s35 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s65.00000°,δ89.00000°,λ111.00000°. NP2: ϕ_s156.00000°,δ21.00000°,λ2.00000°. Principal axes: T 1.0800,Plg41.0000°,Azm354.0000° ; N 0.2900,Plg21.0000°,Azm244.0000°; P -1.3700,Plg40.0000°,Azm135.0000° $M_0$1.20000×10^{17}
MOS Event type fe. Error ellipse: s-maj=7.7km s-min=6.7km az=105.6. Felt (IV) at Malokuril'skoe; (III-IV) at Kuril'sk; (III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
PDG Event type ke.
BGS Error ellipse: s-maj=130.3km s-min=358.5km az=-1.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=10.6km s-min=8.8km az=131.0.
SKHL Event type fe. Felt (IV) at Malokurilskoe, (III-IV) at Kurilsk, (III) at Yushno-Kurilsk.
GCMT Event type se. Data Used: ll IU IC G CN. Moment Tensor Solution. s79,c149; s97,c177; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56±.03 $M_{\theta\theta}$1.18±.03; $M_{\phi\phi}$-0.62±.03; $M_{r\theta}$1.26±.02; $M_{\theta\phi}$-0.38±.03; $M_{\phi r}$0.62±.02; Best double couple: NP1:ϕ_s139.00000°,δ32.00000°,λ-21.00000°. NP2:ϕ_s247.00000°,δ79.00000°,λ-121.00000°. Principal axes: T 1.8400,Plg27.0000° ,Azm1.0000°; N -0.1400,Plg30.0000°,Azm254.0000°; P -1.7100,Plg47.0000°,Azm125.0000° $M_0$1.80000×10^{17}
SZGRF Hokkaido, Japan, region.
ISC VIII 14 11 28 13.2–1.1 43.68N–.07 147.6E–.10 88–9 3.9b 45 1-70
MOS VIII 14 11 28 10.7–1.6 43.72N 147.66E 84 4.2b **¶11908204**
ISCJB VIII 14 11 28 11.7–1.1 43.65N–.07 147.6E–.10 94–8 3.9b
JMA VIII 14 11 28 12.1–.20 43.66N 147.66E 60 4.2
NEIC VIII 14 11 28 14.0–1.4 43.61N 147.57E 103–13 4.2
IDC VIII 14 11 28 14.4–2.9 43.65N 147.50E 105–33 3.6,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=13.6km s-min=11.9km az=65.4.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=8.9km az=40.9.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=13.9km az=122.0.
IDC Error ellipse: s-maj=53.8km s-min=20.6km az=165.0.
ISC VIII 14 20 19 32.8–.81 46.55N–.07 153.21E–.10 42–8 4.2b,3.4s 83 4-79
NIED VIII 14 20 19 00 46.90N 153.20E 17 4.4W,3.4s **¶11652932**
ISCJB VIII 14 20 19 31.0–.99 46.58N–.07 153.12E–.10 47–10 4.2b,3.4s
JMA VIII 14 20 19 30.6–.90 46.87N 153.24E 30 4.8,3.4s
MOS VIII 14 20 19 31.7–1.2 46.76N 152.99E 50 4.5b,3.4s
IDC VIII 14 20 19 34.7–.76 46.91N 152.85E 56–6 4.1,3.9
SKHL VIII 14 20 19 34.4–.90 46.86N 152.93E 42–7 5.5s,5.0b
NEIC VIII 14 20 19 34.9–1.4 46.86N 152.90E 58–13 4.6b,5.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s107.00000°,δ66.00000°,λ-46.00000°. NP2:ϕ_s220.00000°,δ49.00000°,λ-147.00000°. $M_0$4.29000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=6.2km az=137.8.
JMA Error ellipse: s-maj=8.9km s-min=9.1km az=-1.0.
MOS Error ellipse: s-maj=17.8km s-min=9.1km az=49.4.
IDC Error ellipse: s-maj=23.8km s-min=11.9km az=140.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=9.2km az=138.0.
ISC VIII 15 00 13 04.4–.93 46.9N–.10 152.9E–.10 52–7 3.8b 59 4-83
ISCJB VIII 15 00 13 02.2–1.1 46.8N–.10 152.9E–.10 53–9 3.8b **¶13391767**
MOS VIII 15 00 13 04.9–.94 47.24N 152.65E 56 4.0b
IDC VIII 15 00 13 07.3–4.1 46.98N 152.87E 78–36 3.7,3.6
NEIC VIII 15 00 13 08.5–2.3 47.00N 152.80E 89–22 3.9b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.8km s-min=7.6km az=139.2.
MOS Error ellipse: s-maj=17.9km s-min=12.6km az=56.2.
IDC Error ellipse: s-maj=31.5km s-min=20.7km az=131.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=12.4km az=143.0.
ISC VIII 15 06 02 33.6–1.0 43.91N–.07 147.6E–.10 43–8 3.9b 45 1-78
NIED VIII 15 06 02 00 43.60N 147.70E 35 4.0W **¶11747407**
JMA VIII 15 06 02 28.2–.40 43.63N 147.71E 2 4.2
MOS VIII 15 06 02 31.2–1.3 43.94N 147.76E 38 4.2b
ISCJB VIII 15 06 02 32.3–1.0 43.90N–.06 147.6E–.10 49–8 3.9b
NEIC VIII 15 06 02 32.9–.65 43.98N 147.72E 35 4.0b
IDC VIII 15 06 02 32.7–1.1 43.91N 147.60E 36–6 3.8,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s40.00000°,δ70.00000°,λ84.00000°. NP2:ϕ_s238.00000°,δ21.00000°,λ107.00000°. $M_0$1.00000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
MOS Error ellipse: s-maj=13.0km s-min=10.9km az=64.5.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=6.6km az=39.6.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=10.4km az=140.0.
IDC Error ellipse: s-maj=25.7km s-min=15.8km az=166.0.
ISC VIII 15 17 31 16.5–1.7 43.7N–.10 147.4E–.10 59–17 3.5b 20 1-65
ISCJB VIII 15 17 31 15.4–1.6 43.6N–.10 147.4E–.10 67–15 3.5b **¶12581105**
JMA VIII 15 17 31 16.0–.20 43.57N 147.31E 32 3.4
IDC VIII 15 17 31 19.8–3.4 45.61N 146.81E 0 3.8,3.6b
ISCJB Error ellipse: s-maj=26.1km s-min=14.6km az=157.0.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=89.1km s-min=25.0km az=149.0.
JMA VIII 16 22 02 44.8–.60 44.68N 149.98E 30 3.7
¶13520320
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
JMA VIII 17 02 59 43.5–.40 44.56N 149.95E 30 3.7
¶13520385
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISC VIII 18 01 46 31.7–.93 47.32N–.03 153.94E–.03 27–6 5.2b,4.6s 713 4-155
NIED VIII 18 01 46 00 47.50N 154.30E 17 5.1W,4.6s **¶13391965**
ISCJB VIII 18 01 46 27.9–.90 47.23N–.03 153.97E–.03 16–6 5.2b,4.6s
BJI VIII 18 01 46 28.5 47.37N 154.07E 28 5.2b,5.1b
SKHL VIII 18 01 46 28.4–1.0 46.94N 154.57E 42–1 6.0b,5.6
IDC VIII 18 01 46 31.5–3.5 47.22N 154.00E 33–26 4.8,4.7
MOS VIII 18 01 46 32.7–1.1 47.15N 153.92E 56 5.4b,4.6s
NEIC VIII 18 01 46 32.5–.25 47.26N 153.93E 35 5.1b,4.6s
GCMT VIII 18 01 46 33.6–.20 47.21N 154.38E 18–0 5.1W,4.6s
SZGRF VIII 18 01 46 42.6 48.64N 152.73E 47 5.5b,4.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ80.00000°,λ113.00000°. NP2:ϕ_s338.00000°,δ25.00000°,λ23.00000°. $M_0$5.87000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=2.8km az=158.2.
IDC Error ellipse: s-maj=17.4km s-min=11.9km az=152.0.
MOS Error ellipse: s-maj=7.5km s-min=4.1km az=107.6.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.5km az=172.0.
GCMT Event type se. Data Used: ll IU IC CN G. Moment Tensor Solution. s60,c101; s85,c155; Moment tensor: Scale 10^{16}Nm; M_{rr}4.65±.14 $M_{\theta\theta}$-1.12±.10; $M_{\phi\phi}$-3.53±.10; $M_{r\theta}$1.06±.25; $M_{\theta\phi}$-2.30±.07; $M_{\phi r}$1.89±.23; Best double couple: NP1:ϕ_s212.00000°,δ33.00000°,λ91.00000°. NP2:ϕ_s30.00000°,δ57.00000°,λ89.00000°. Principal axes: T 5.1200,Plg78.0000° ,Azm297.0000°; N 0.2700,Plg1.0000°,Azm31.0000°; P -5.3900,Plg12.0000°,Azm121.0000° $M_0$5.30000×10^{16}
SZGRF Kuril Islands, Russia.
KRSC VIII 18 14 11 01.5–.90 50.79N 157.99E 74–106 3.9L
¶12835365
KRSC Event type se.
JMA VIII 18 16 39 24.8–.30 44.02N 147.98E 0 4.5
¶13521806
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
KRSC VIII 18 19 12 30.9–1.2 50.72N 157.21E 143–142 3.7L
¶12835364
KRSC Event type se.
ISC VIII 19 05 42 20.3–1.2 43.05N–.09 146.0E–.10 56–8 3.7b 18 0-69
NIED VIII 19 05 42 00 43.10N 146.00E 74 3.5W **¶11747444**
IDC VIII 19 05 42 14.5–4.8 43.49N 146.06E 0 4.0,3.8b
ISCJB VIII 19 05 42 19.4–1.2 43.06N–.09 146.0E–.10 63–7 3.7b,3.8b
JMA VIII 19 05 42 20.1–.10 43.06N 146.01E 59–1 3.7,3.8b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s78.00000°,δ67.00000°,λ99.00000°. NP2:ϕ_s236.00000°,δ25.00000°,λ70.00000°. $M_0$1.92000×10^{14}
IDC Error ellipse: s-maj=164.5km s-min=30.3km az=2.0.
ISCJB Event type fe. Error ellipse: s-maj=15.8km s-min=10.7km az=150.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VIII 19 10 36 19.4–2.2 48.9N–.20 154.6E–.30 93–20 3.4b 11 2-76
IDC VIII 19 10 36 07.7–.91 48.77N 154.64E 0 3.9,3.7 **¶12581194**
MOS VIII 19 10 36 11.9–1.3 48.59N 154.20E 36 4.0b,3.7
ISCJB VIII 19 10 36 18.1–2.3 48.9N–.20 154.6E–.30 98–20 3.4b,3.7
ISC VIII 20 20 25 24.1–1.1 44.75N–.08 149.2E–.10 68–9 3.7b 49 1-81
NIED VIII 20 20 25 00 44.80N 149.30E 53 3.8W **¶11747464**
MOS VIII 20 20 25 19.4–1.8 44.63N 149.39E 52 4.1b
ISCJB VIII 20 20 25 22.9–1.2 44.72N–.08 149.1E–.10 75–9 3.7b
JMA VIII 20 20 25 22.7–.50 44.76N 149.28E 30 4.0
IDC VIII 20 20 25 25.0–4.5 44.94N 149.30E 70–45 3.6,3.4b
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ68.00000°,λ145.00000°. NP2:ϕ_s160.00000°,δ58.00000°,λ26.00000°. $M_0$6.22000×10^{14}
MOS Error ellipse: s-maj=14.2km s-min=12.8km az=151.1.
ISCJB Error ellipse: s-maj=18.4km s-min=8.3km az=39.6.
JMA Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=81.8km s-min=25.2km az=173.0.
KRSC VIII 21 15 13 59.0–1.0 50.90N 156.85E 160–29 3.5L
¶12835369
KRSC Event type se.
ISC VIII 22 10 14 10.0–.89 45.0N–.10 151.7E–.10 49 3.8b 41 5-79
JMA VIII 22 10 14 04.7–.90 45.51N 151.90E 30 4.0 **¶13392322**
ISCJB VIII 22 10 14 07.9–.89 45.0N–.20 151.7E–.10 47 3.8b
MOS VIII 22 10 14 07.0–.94 45.39N 151.64E 27 4.2b
NEIC VIII 22 10 14 11.0–.80 45.30N 151.66E 48 4.1b
IDC VIII 22 10 14 11.3–1.8 45.38N 151.71E 47–6 3.6,3.5
ISC Event type se.
JMA Error ellipse: s-maj=10.0km s-min=9.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=5.3km az=151.7.
MOS Error ellipse: s-maj=21.2km s-min=16.6km az=68.5.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=10.3km az=159.0.
IDC Error ellipse: s-maj=50.4km s-min=17.1km az=178.0.
ISC VIII 23 07 21 48.1–.95 46.63N–.08 152.7E–.10 50–8 4.0b,3.7s 60 4-149
NIED VIII 23 07 21 00 46.40N 153.10E 5 4.2W,3.7s **¶13392377**
BJI VIII 23 07 21 38.6 45.78N 153.06E 15 4.9b,4.2b
ISCJB VIII 23 07 21 45.8–1.1 46.62N–.09 152.7E–.10 47–9 4.0b,3.7s
MOS VIII 23 07 21 45.2–1.4 46.77N 152.38E 32 4.3b,3.7s
NEIC VIII 23 07 21 46.2–1.5 46.61N 152.66E 36–14 4.1b,3.7s
IDC VIII 23 07 21 48.2–2.9 46.66N 152.74E 53–26 3.9L,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ53.00000°,λ110.00000°. NP2:ϕ_s9.00000°,δ41.00000°,λ65.00000°. $M_0$2.57000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=6.2km az=139.0.
MOS Error ellipse: s-maj=14.0km s-min=8.7km az=63.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=11.0km az=135.0.
IDC Error ellipse: s-maj=19.3km s-min=13.8km az=148.0.
ISC VIII 23 08 47 08.6–1.0 43.35N–.07 146.83E–.08 49–9 3.9b 36 1-83
NIED VIII 23 08 47 00 43.20N 146.80E 47 3.6W **¶11747481**
IDC VIII 23 08 47 02.9–7.8 42.53N 147.09E 44–44 3.7b,3.7
ISCJB VIII 23 08 47 07.4–1.1 43.34N–.08 146.84E–.09 56–9 3.9b,3.7
JMA VIII 23 08 47 07.6–.20 43.24N 146.82E 45–3 3.7,3.7
SKHL VIII 23 08 47 08.0–.40 43.25N 146.90E 46–14 5.0b,3.7
MOS VIII 23 08 47 08.6–.62 43.46N 146.70E 66 4.1b,3.7
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s170.00000°,δ63.00000°,λ-68.00000°. NP2:ϕ_s308.00000°,δ35.00000°,λ-127.00000°. $M_0$3.27000×10^{14}
IDC Error ellipse: s-maj=93.6km s-min=22.6km az=174.0.
ISCJB Error ellipse: s-maj=15.4km s-min=6.2km az=141.4.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=22.8km s-min=20.4km az=81.9.
JMA VIII 23 10 55 17.0–.30 44.04N 147.97E 0 4.1
¶13540313
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC VIII 23 13 17 05.7–.88 46.22N–.08 153.0E–.10 39–7 3.7b 60 4-148
NIED VIII 23 13 17 00 46.30N 153.20E 35 4.2W **¶11747484**
JMA VIII 23 13 17 01.6–.60 46.27N 153.17E 30 4.4
MOS VIII 23 13 17 03.8–1.1 46.25N 152.98E 41 4.2b
ISCJB VIII 23 13 17 03.1–.00 46.23N–.08 153.0E–.10 34–8 3.7b
NEIC VIII 23 13 17 05.5–.45 46.23N 152.97E 38 4.1b
IDC VIII 23 13 17 05.6–.72 46.21N 152.98E 38–5 3.7,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s83.00000°,δ84.00000°,λ-97.00000°. NP2:ϕ_s311.00000°,δ9.00000°,λ-42.00000°. $M_0$1.89000×10^{15}
JMA Error ellipse: s-maj=8.9km s-min=6.9km az=-1.0.
MOS Error ellipse: s-maj=15.6km s-min=9.9km az=71.5.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=5.6km az=139.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.8km az=137.0.
IDC Error ellipse: s-maj=18.4km s-min=15.0km az=147.0.
ISC VIII 23 13 21 40.5–.81 44.33N–.09 147.7E–.10 76–9 3.4b 30 1-82
IDC VIII 23 13 21 30.2–2.3 43.69N 148.34E 0 3.9L,3.9 **¶12581320**
MOS VIII 23 13 21 35.2–1.7 43.98N 148.27E 33 4.2b,3.9
ISCJB VIII 23 13 21 39.5–.79 44.35N–.09 147.6E–.10 84–9 3.4b,3.9
JMA VIII 23 13 21 40.6–.30 44.28N 147.60E 78 4.3,3.9
IDC Error ellipse: s-maj=72.8km s-min=27.1km az=172.0.
MOS Error ellipse: s-maj=26.2km s-min=19.8km az=55.0.
ISCJB Error ellipse: s-maj=19.1km s-min=6.1km az=137.7.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC VIII 25 04 15 52.5–.36 46.80N–.04 150.44E–.03 157–4 4.4b 632 2-150
BJI VIII 25 04 15 48.7 46.80N 150.89E 155 4.8b,4.8b **¶11227280**
SKHL VIII 25 04 15 50.7–1.4 46.57N 150.72E 181–8 6.1b,5.1s
ISCJB VIII 25 04 15 51.0–.38 46.74N–.04 150.52E–.03 160–4 4.4b,5.1s
MOS VIII 25 04 15 52.1–1.0 46.82N 150.49E 171 4.4b,5.1s
IDC VIII 25 04 15 55.0–.87 46.89N 150.45E 182–7 4.1,4.1
JMA VIII 25 04 15 55.0–.60 45.81N 150.88E 171 4.7,4.1
NEIC VIII 25 04 15 57.0–1.1 46.92N 150.41E 198–11 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.1km az=161.7.
MOS Error ellipse: s-maj=8.9km s-min=6.0km az=84.5.

IDC Error ellipse: s-maj=13.4km s-min=8.3km az=153.0.
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.4km az=171.0.
ISC VIII 26 10 29 35.3–.72 44.43N–.05 148.18E–.07 57–5 4.3b,3.4s 129 1-89
NIED VIII 26 10 29 00 44.00N 148.00E 50 4.1W,3.4s **¶13392643**
BJI VIII 26 10 29 32.2 44.18N 148.59E 71 4.5b,4.4b
JMA VIII 26 10 29 33.6–.30 44.04N 148.02E 0 5.1,4.4b
MOS VIII 26 10 29 33.6–.90 44.42N 148.18E 57 4.6b,4.4b
ISCJB VIII 26 10 29 34.0–.72 44.43N–.04 148.18E–.07 60–5 4.3b,3.4s
SKHL VIII 26 10 29 34.4–1.6 44.51N 148.28E 53–3 4.8b,3.4s
NEIC VIII 26 10 29 36.8–.69 44.43N 148.13E 72–5 4.4b,3.4s
IDC VIII 26 10 29 37.9–2.6 44.47N 148.13E 80–23 3.9,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S3.00000°,δ83.00000°,λ68.00000°. NP2: ϕ_S255.00000°,δ23.00000°,λ161.00000°. $M_0$1.88000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=10.6km s-min=8.2km az=87.6.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.0km az=40.6.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.6km az=138.0.
IDC Error ellipse: s-maj=16.4km s-min=12.2km az=139.0.
ISC VIII 26 12 43 18.8–1.3 44.30N–.07 148.2E–.10 65–14 3.2b 33 2-82
NIED VIII 26 12 43 00 44.00N 148.00E 41 3.7W **¶11747515**
JMA VIII 26 12 43 16.3–.30 44.01N 148.04E 0 4.5
MOS VIII 26 12 43 18.5–.72 44.49N 148.02E 78 3.8b
ISCJB VIII 26 12 43 18.0–1.3 44.31N–.07 148.1E–.10 76–13 3.2b
IDC VIII 26 12 43 19.3–5.1 44.53N 148.12E 68–47 3.4L,3.3
NEIC VIII 26 12 43 20.1–2.1 44.52N 148.14E 77–21 4.5,3.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S19.00000°,δ69.00000°,λ97.00000°. NP2:ϕ_S181.00000°,δ22.00000°,λ73.00000°. $M_0$3.55000×10^{14}
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=28.1km s-min=20.9km az=158.7.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=10.9km az=26.3.
IDC Error ellipse: s-maj=44.3km s-min=29.2km az=133.0.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=16.0km az=107.0.
KRSC VIII 26 15 08 57.8–1.2 49.13N 155.49E 36–35 3.7L
¶12835378
KRSC Event type se.
ISC VIII 26 18 03 53.6–1.3 49.1N–.10 154.8E–.20 95–11 3.6b 15 4-75
ISCJB VIII 26 18 03 51.8–1.4 49.1N–.10 154.8E–.20 97–13 3.6b **¶11908869**
NEIC VIII 26 18 03 53.4–1.3 49.06N 154.88E 95–12 4.0b
IDC VIII 26 18 03 53.7–2.9 49.06N 154.79E 95–26 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.3km s-min=10.6km az=136.7.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.7km az=142.0.
IDC Error ellipse: s-maj=28.8km s-min=19.3km az=130.0.
ISC VIII 27 03 16 54.7–1.2 50.6N–.30 155.3E–.50 245–7 3.2b 14 0-74
IDC VIII 27 03 16 13.6–11 49.86N 152.29E 0 4.0s,4.0 **¶12581451**
KRSC VIII 27 03 16 47.8–2.0 49.96N 155.73E 264–36 4.2L,4.0
MOS VIII 27 03 16 52.4–.58 50.74N 154.80E 255 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=289.0km s-min=95.3km az=89.0.
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=26.0km az=59.7.
ISC VIII 27 05 24 40.2–.30 46.75N–.02 152.49E–.02 54–2 5.5b,4.9s 1658 4-154
NIED VIII 27 05 24 00 46.60N 153.10E 38 5.3W,4.9s **¶13392722**
BGS VIII 27 05 24 30.2–1.7 45.14N 154.62E 65–0 5.3b,4.9s
DJA VIII 27 05 24 34 47.20N 153.59E 40 5.5b,4.9s
JMA VIII 27 05 24 35.0–.50 46.62N 153.07E 30 5.9,4.9s
ISCJB VIII 27 05 24 37.0–.36 46.68N–.02 152.54E–.02 43–3 5.5b,4.9s
IDC VIII 27 05 24 38.0–1.7 46.72N 152.52E 38–13 5.1,5.1
BJI VIII 27 05 24 38.8 46.76N 152.56E 69 5.7b,5.4b
MOS VIII 27 05 24 38.3–.95 46.70N 152.50E 55 5.8b,5.1s
SKHL VIII 27 05 24 38.1–.70 46.42N 152.87E 73–42 6.1,5.9b
NEIC VIII 27 05 24 41.1–.42 46.73N 152.48E 65–3 5.5b,5.3W
GCMT VIII 27 05 24 42.9–.10 46.69N 152.82E 50–0 5.4W,5.3W
SZGRF VIII 27 05 24 58.0 49.17N 148.66E 33 6.0b,5.0s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S349.00000°,δ58.00000°,λ46.00000°. NP2:ϕ_S230.00000°,δ53.00000°,λ138.00000°. $M_0$9.67000×10^{16}
BGS Error ellipse: s-maj=240.7km s-min=779.6km az=-1.0.
JMA Event type fe. Error ellipse: s-maj=5.6km s-min=4.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=1.7km az=165.1.
IDC Error ellipse: s-maj=12.2km s-min=9.5km az=134.0.
MOS Error ellipse: s-maj=5.9km s-min=3.7km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=1.9km az=165.0. Recorded [1 JMA] in eastern Hokkaido. Moment Tensor Solution. s90 Moment tensor: Scale 10^{17}Nm; M_{rr}1.01 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.28 $M_{r\phi}$0.36 Best double couple: NP1:ϕ_S40.00000°,δ59.00000°,λ91.00000°. NP2:ϕ_S219.00000°,δ31.00000°,λ89.00000°. Principal axes: T 1.1300,Plg75.0000°,Azm312.0000°; N -0.2200,Plg0.0000°,Azm219.0000°; P -0.9000,Plg14.0000°,Azm129.0000° $M_0$1.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=101, comp=210, per= 50. Moment Tensor Solution. s87,c162; s12,c12; Moment tensor: Scale 10^{17}Nm; M_{rr}1.41±.03 $M_{\theta\theta}$-0.48±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$0.22±.02; $M_{\theta\phi}$-0.79±.02; $M_{r\phi}$0.69±.02; Best double couple: NP1:ϕ_S226.00000°,δ33.00000°,λ105.00000°. NP2:ϕ_S28.00000°,δ58.00000°,λ80.00000°. Principal axes: T 1.6000,Plg75.0000°,Azm271.0000°; N 0.0800,Plg8.0000°,Azm33.0000°; P -1.6800,Plg13.0000°,Azm125.0000° $M_0$1.60000×10^{17}
SZGRF Northwest of Kuril Islands, Russia.
IDC VIII 27 17 17 10.3–4.6 46.74N 152.63E 54–38 3.5,3.3b
¶12581473
IDC Error ellipse: s-maj=48.6km s-min=30.3km az=163.0.
ISC VIII 28 03 09 54.3–1.1 49.6N–.20 154.9E–.30 109–14 3.2b 21 1-75
IDC VIII 28 03 09 43.7–1.1 48.57N 156.12E 0 3.8,3.6 **¶12581487**
MOS VIII 28 03 09 46.3–1.7 48.63N 156.01E 33 4.5b,3.6
KRSC VIII 28 03 09 52.6–.10 49.44N 155.92E 10–10 4.4L,3.6
ISCJB VIII 28 03 09 53.5–1.1 49.7N–.20 154.9E–.30 127–12 3.2b,3.6
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
ISC VIII 28 11 06 12.7–.64 46.47N–.06 152.35E–.08 66–5 4.2b 78 3-149
NIED VIII 28 11 06 00 46.60N 152.50E 38 4.1W **¶13392822**
JMA VIII 28 11 06 08.8–.50 46.59N 152.51E 30 4.7
ISCJB VIII 28 11 06 10.7–.73 46.50N–.06 152.32E–.08 65–6 4.2b
MOS VIII 28 11 06 11.1–1.2 46.56N 152.35E 70 4.5b
IDC VIII 28 11 06 11.8–.54 46.51N 152.40E 57–5 3.9,3.8
NEIC VIII 28 11 06 13.2–.82 46.55N 152.35E 70–7 4.3b,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S123.00000°,δ76.00000°,λ-28.00000°. NP2:ϕ_S220.00000°,δ63.00000°,λ-164.00000°. $M_0$1.86000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=6.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=4.9km az=139.4.
MOS Error ellipse: s-maj=13.8km s-min=9.2km az=52.8.
IDC Error ellipse: s-maj=18.7km s-min=11.7km az=134.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.1km az=133.0.
KRSC VIII 29 09 19 49.0–2.1 49.90N 155.47E 72–78 3.5L
¶12835386
KRSC Event type se.
KRSC VIII 31 01 57 11.5–.80 50.13N 156.38E 5–5 3.6L
¶12835391
KRSC Event type se.
ISC VIII 31 12 53 13.2–1.2 44.8N–.10 149.7E–.20 64–13 3.3b 33 3-81
NIED VIII 31 12 53 00 45.20N 149.60E 35 3.6W **¶11747560**
JMA VIII 31 12 53 10.5–1.0 45.19N 149.60E 30 4.0
ISCJB VIII 31 12 53 11.2–1.3 44.7N–.10 149.7E–.10 64–14 3.3b
IDC VIII 31 12 53 14.2–3.3 44.96N 149.68E 76–31 3.3,3.2
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S2.00000°,δ73.00000°,λ70.00000°. NP2: ϕ_S233.00000°,δ25.00000°,λ138.00000°. $M_0$2.75000×10^{14}
JMA Error ellipse: s-maj=7.8km s-min=9.4km az=-1.0.
ISCJB Error ellipse: s-maj=26.5km s-min=9.5km az=144.2.
IDC Error ellipse: s-maj=36.6km s-min=18.9km az=138.0.
KRSC IX 01 00 30 10.3–1.5 50.30N 156.61E 5–5 3.9L
¶12835395
KRSC Event type se.
ISC IX 01 03 55 22.2–1.2 43.4N–.10 146.8E–.10 49–11 3.5b 28 1-83
NIED IX 01 03 55 00 43.30N 146.80E 47 3.7W **¶11747564**
IDC IX 01 03 55 15.8–1.1 43.53N 146.66E 0 3.9,3.7b
ISCJB IX 01 03 55 22.0–1.2 43.40N–.10 146.7E–.10 63–10 3.5b,3.7b
JMA IX 01 03 55 21.5–.20 43.33N 146.76E 46–3 3.9,3.7b
NEIC IX 01 03 55 23.9–1.4 43.63N 146.77E 61–13 3.9,3.7b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S53.00000°,δ51.00000°,λ122.00000°. NP2:ϕ_S188.00000°,δ49.00000°,λ57.00000°. $M_0$4.48000×10^{14}
IDC Error ellipse: s-maj=29.6km s-min=22.1km az=150.0.
ISCJB Event type fe. Error ellipse: s-maj=18.7km s-min=10.7km az=145.6.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=11.4km az=146.0.
JMA IX 02 06 14 32.2–.20 44.00N 148.14E 0 3.6
¶14095766
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
ISC IX 02 10 55 54.8–.59 43.78N–.04 147.34E–.05 49–5 4.2b 100 1-152
NIED IX 02 10 55 00 43.60N 147.30E 62 4.3W **¶11747578**
ISCJB IX 02 10 55 53.8–.65 43.79N–.04 147.33E–.06 58–5 4.2b
MOS IX 02 10 55 53.3–1.3 43.79N 147.35E 54 4.5b
NEIC IX 02 10 55 55.6–.77 43.71N 147.28E 61–7 4.5b
JMA IX 02 10 55 55.1–.20 43.64N 147.25E 39 4.7
BJI IX 02 10 55 55.0 43.43N 147.49E 91 4.9b,4.7b
SKHL IX 02 10 55 55.6–1.6 43.90N 147.40E 67–9 5.1b,4.7b
IDC IX 02 10 55 59.5–1.0 44.01N 147.16E 85–6 4.0,4.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S59.00000°,δ70.00000°,λ141.00000°. NP2:ϕ_S164.00000°,δ54.00000°,λ25.00000°. $M_0$2.68000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.6km az=140.1.
MOS Event type fe. Error ellipse: s-maj=10.1km s-min=7.6km az=73.9. Felt (III-IV) at Malokurilskoe; (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=6.3km az=150.0. Recorded [1 JMA] in eastern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=31.1km s-min=12.2km az=169.0.
JMA IX 02 11 46 27.8–.20 43.72N 146.82E 36–3 3.6
¶14095857
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC IX 02 12 18 02.7–1.8 47.8N–.20 154.2E–.30 75–17 3.5b 9 6-147
ISCJB IX 02 12 18 01.0–2.0 47.9N–.20 154.1E–.30 74–20 3.5b **¶11909276**
IDC IX 02 12 18 03.0–3.1 47.89N 154.13E 78–28 3.6,3.4b
NEIC IX 02 12 18 02.3–1.5 47.83N 154.16E 73–15 3.5b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.8km s-min=14.5km az=41.8.
IDC Error ellipse: s-maj=36.1km s-min=20.8km az=143.0.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=10.8km az=131.0.
JMA IX 02 18 28 56.1–.20 43.93N 147.90E 7 3.5
¶14095958
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
KRSC IX 02 21 38 21.0–1.1 49.09N 156.07E 5–5 3.9L
¶12835396
KRSC Event type se.
JMA IX 04 01 33 45.6–.70 44.54N 149.32E 30 4.1
¶14096484
JMA Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0.
ISC IX 04 02 04 11.1–.65 50.95N–.06 157.55E–.08 66–4 4.0b 92 1-91
KRSC IX 04 02 04 08.9–.50 50.86N 157.91E 49–39 4.6L **¶11909427**
ISCJB IX 04 02 04 09.7–.70 50.93N–.06 157.60E–.09 70–4 4.0b
MOS IX 04 02 04 09.8–.82 51.03N 157.47E 44 4.3b
IDC IX 04 02 04 10.6–.78 51.18N 157.34E 54–6 3.8,3.7
NEIC IX 04 02 04 12.8–1.3 51.13N 157.39E 76–9 4.3b,3.7
ISC Event type fe.
KRSC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=4.5km az=136.8.
MOS Event type fe. Error ellipse: s-maj=17.1km s-min=6.5km az=76.5. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
IDC Error ellipse: s-maj=21.3km s-min=14.0km az=155.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=9.9km az=163.0.
JMA IX 04 08 07 53.2–.80 44.76N 148.95E 30 3.8
¶14096581
JMA Error ellipse: s-maj=6.7km s-min=7.1km az=-1.0.
JMA IX 04 09 51 51.9–.30 43.98N 147.87E 0 3.9
NIED IX 04 09 51 00 44.00N 147.90E 17 4.2W **¶11747605**
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S146.00000°,δ87.00000°,λ13.00000°. NP2:ϕ_S56.00000°,δ77.00000°,λ177.00000°. $M_0$2.10000×10^{15}
ISC IX 04 16 16 01.2–.66 47.01N–.06 152.77E–.08 71–6 4.2b 116 4-149
SKHL IX 04 16 15 55.5–.40 46.60N 153.40E 35–4 5.0b **¶13393426**
IDC IX 04 16 15 58.8–.50 47.13N 152.64E 45–4 4.0,3.9
JMA IX 04 16 15 58.1–.90 46.86N 153.08E 30 4.7,3.9
ISCJB IX 04 16 15 59.3–.76 47.00N–.06 152.79E–.08 73–7 4.2b,3.9
MOS IX 04 16 16 00.4–.95 47.12N 152.69E 79 4.2b,3.9
BJI IX 04 16 16 01.9 47.10N 152.70E 86 4.8b,4.5s
NEIC IX 04 16 16 03.0–.81 47.13N 152.70E 86–7 4.5b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=11.2km az=148.0.
JMA Error ellipse: s-maj=8.9km s-min=9.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.1km az=141.0.
MOS Error ellipse: s-maj=13.2km s-min=8.8km az=60.8.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.3km az=149.0.
ISC IX 04 21 17 47.5–1.3 43.8N–.20 147.6E–.20 35 3.7b 22 1-70
ISCJB IX 04 21 17 45.3–1.4 43.7N–.20 147.7E–.20 33 3.7b **¶11909490**
JMA IX 04 21 17 46.2–.30 43.64N 147.45E 15–4 3.3
IDC IX 04 21 17 50.1–3.9 45.25N 147.01E 0 3.8,3.6b
NEIC IX 04 21 17 55.1–.54 45.26N 146.90E 35 4.2b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.1km s-min=7.2km az=153.5.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=106.4km s-min=27.9km az=158.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.8km az=151.0.
ISC IX 06 12 44 45.5–2.5 43.7N–.20 147.8E–.20 53–32 3.3b 14 2-82
IDC IX 06 12 44 39.6–3.1 43.75N 148.26E 0 3.8,3.4L **¶11909605**
JMA IX 06 12 44 42.9–.20 43.70N 147.64E 2 3.9,3.4L
ISCJB IX 06 12 44 43.8–2.2 43.7N–.20 147.9E–.20 52–28 3.3b,3.4L
ISC IX 06 13 06 31.5–.89 47.4N–.10 152.9E–.20 118–11 3.8b 49 4-77
IDC IX 06 13 06 21.7–1.6 46.65N 154.11E 0 4.2,4.1 **¶11909606**
JMA IX 06 13 06 29.6–.70 47.31N 153.20E 30 4.3,4.1
ISCJB IX 06 13 06 30.0–.92 47.4N–.10 153.0E–.20 131–13 3.6b,4.1
MOS IX 06 13 06 31.9–1.7 47.86N 152.29E 129 4.0b,4.1
IDC Error ellipse: s-maj=63.8km s-min=22.1km az=146.0.
JMA Error ellipse: s-maj=8.9km s-min=8.3km az=-1.0.
ISCJB Error ellipse: s-maj=34.2km s-min=6.3km az=42.5.
MOS Error ellipse: s-maj=30.6km s-min=12.7km az=53.2.
ISC IX 06 17 55 28.6–.14 46.70N–.03 152.40E–.03 41 4.4b,4.0s 365 3-149
NIED IX 06 17 55 00 46.70N 152.80E 38 4.6W,4.0s **¶13393601**
JMA IX 06 17 55 26.3–.90 46.73N 152.77E 30 5.0,4.0s
BJI IX 06 17 55 26.2 46.65N 152.82E 63 4.7b,4.5b
ISCJB IX 06 17 55 26.1–.14 46.64N–.03 152.42E–.03 39 4.4b,4.0s
SKHL IX 06 17 55 26.6–.40 46.40N 152.90E 63–23 5.4,5.2
IDC IX 06 17 55 27.7–.33 46.73N 152.43E 38–2 4.1,4.1
NEIC IX 06 17 55 27.5–.31 46.64N 152.48E 37 4.6b,4.1
MOS IX 06 17 55 30.7–.97 46.76N 152.32E 83 4.2b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S344.00000°,δ64.00000°,λ44.00000°. NP2:ϕ_S231.00000°,δ51.00000°,λ146.00000°. $M_0$7.95000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=8.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=1.9km az=155.8.
IDC Error ellipse: s-maj=12.4km s-min=7.7km az=142.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.1km az=153.0.

MOS Error ellipse: s-maj=8.9km s-min=7.0km az=67.2.
ISC IX 07 01 14 06.1–.54 50.68N–.07 156.5E–.10 107–4 3.9b 54 0-74
ISCJB IX 07 01 14 04.9–.55 50.71N–.07 156.5E–.10 115–4 3.9b **¶11909668**
MOS IX 07 01 14 04.3–.88 50.74N 156.44E 111 4.1b
KRSC IX 07 01 14 04.5–.60 50.65N 157.19E 110–109 4.3L
NEIC IX 07 01 14 06.6–1.9 50.77N 156.42E 109–15 4.2b
IDC IX 07 01 14 07.5–3.4 50.83N 156.39E 118–29 3.8,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=6.4km az=41.2.
MOS Error ellipse: s-maj=21.7km s-min=8.7km az=65.4.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=10.9km az=157.0.
IDC Error ellipse: s-maj=42.6km s-min=16.1km az=160.0.
JMA IX 07 05 56 35.7–.40 43.68N 147.60E 9 3.6
¶14097681
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISC IX 07 07 45 44.8–1.7 48.6N–.20 154.8E–.20 76–16 3.3b 13 5-76
ISCJB IX 07 07 45 42.6–2.1 48.6N–.20 154.8E–.20 73–19 3.3b **¶11909704**
NEIC IX 07 07 45 44.6–1.6 48.62N 154.79E 75–15 3.3b
IDC IX 07 07 45 45.4–3.2 48.67N 154.69E 82–30 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.3km s-min=13.1km az=140.2.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=11.4km az=137.0.
IDC Error ellipse: s-maj=37.5km s-min=17.3km az=145.0.
ISC IX 07 14 47 43.8–.71 46.54N–.07 152.58E–.09 69–6 3.7b 69 4-78
JMA IX 07 14 47 41.4–.60 46.70N 152.53E 30 4.2 **¶13393691**
ISCJB IX 07 14 47 41.6–.79 46.55N–.07 152.56E–.09 65–7 3.7b
MOS IX 07 14 47 42.4–1.2 46.67N 152.49E 71 4.0b
NEIC IX 07 14 47 45.4–1.1 46.75N 152.48E 79–9 4.2b
IDC IX 07 14 47 46.3–2.6 46.77N 152.48E 88–24 3.6,3.5
BJI IX 07 14 47 47.1 46.89N 152.05E 68 4.3b,4.3b
ISC Event type se.
JMA Error ellipse: s-maj=6.7km s-min=6.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=5.2km az=140.7.
MOS Error ellipse: s-maj=15.7km s-min=10.1km az=55.7.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=8.3km az=136.0.
IDC Error ellipse: s-maj=22.7km s-min=13.9km az=135.0.
ISC IX 07 15 26 32.8–.45 50.30N–.06 155.17E–.10 133–4 3.6b 59 1-147
KRSC IX 07 15 26 30.0–.60 50.01N 155.73E 130–19 4.5L **¶11909736**
MOS IX 07 15 26 31.6–1.0 50.43N 155.17E 140 4.4b
ISCJB IX 07 15 26 31.6–.46 50.29N–.06 155.20E–.10 138–4 3.6b
BJI IX 07 15 26 33.3 50.41N 155.40E 167 4.4b,4.4b
NEIC IX 07 15 26 33.9–.73 50.43N 155.14E 143–7 4.2b,4.4b
IDC IX 07 15 26 34.7–2.0 50.50N 155.02E 150–19 3.6,3.5
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=18.5km s-min=8.4km az=58.2.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=5.3km az=136.6.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.3km az=143.0.
IDC Error ellipse: s-maj=21.7km s-min=11.3km az=148.0.
ISC IX 08 11 08 41.5–.79 49.46N–.10 155.2E–.20 93–7 3.6b 43 1-75
MOS IX 08 11 08 37.9–.94 49.21N 155.57E 76 4.3b **¶11909812**
KRSC IX 08 11 08 39.8–1.6 49.22N 156.54E 52–52 4.3L
ISCJB IX 08 11 08 40.1–.84 49.4N–.10 155.2E–.20 97–8 3.6b
IDC IX 08 11 08 42.3–2.9 49.50N 155.11E 102–27 3.6,3.4
NEIC IX 08 11 08 42.5–.88 49.56N 155.10E 103–8 4.3b,3.4
ISC Event type se.
MOS Error ellipse: s-maj=24.2km s-min=8.3km az=64.9.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=6.5km az=135.9.
IDC Error ellipse: s-maj=31.6km s-min=13.8km az=149.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=6.7km az=141.0.
JMA IX 10 21 42 02.2–.30 44.01N 147.23E 63 3.9
NIED IX 10 21 42 00 44.00N 147.20E 65 3.9W **¶11747680**
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s267.00000°,δ82.00000°,λ102.00000°. NP2:ϕ_s32.00000°,δ14.00000°,λ35.00000°. $M_0$7.01000×10^{14}
IDC IX 11 10 25 20.7–3.1 46.81N 152.59E 97–27 3.5,3.4b
¶11910042
IDC Error ellipse: s-maj=45.4km s-min=20.7km az=104.0.
ISC IX 11 14 25 23.8–1.0 46.5N–.10 152.8E–.10 54–10 3.7b 50 4-78
JMA IX 11 14 25 20.6–.70 46.84N 152.72E 30 4.4 **¶13394092**
ISCJB IX 11 14 25 22.1–1.2 46.5N–.10 152.7E–.10 57–11 3.7b
MOS IX 11 14 25 22.6–.54 46.51N 152.77E 53 3.8b
NEIC IX 11 14 25 26.8–1.9 46.71N 152.65E 80–16 3.8b
IDC IX 11 14 25 27.3–3.0 46.74N 152.62E 84–27 3.6,3.5
ISC Event type se.
JMA Error ellipse: s-maj=11.1km s-min=9.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=7.0km az=138.9.
MOS Error ellipse: s-maj=21.7km s-min=12.2km az=51.8.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=13.0km az=144.0.
IDC Error ellipse: s-maj=26.8km s-min=16.5km az=128.0.
ISC IX 11 23 06 01.0–.99 48.26N–.08 154.9E–.10 45–8 3.9b 71 3-78
MOS IX 11 23 05 57.0–1.4 48.24N 154.85E 27 4.2b **¶11910076**
ISCJB IX 11 23 05 59.3–1.2 48.27N–.08 154.9E–.10 46–9 3.9b
IDC IX 11 23 05 59.8–.70 48.31N 154.94E 35–6 3.9L,3.8
NEIC IX 11 23 06 00.6–.91 48.36N 154.90E 43–8 4.3b,3.8
ISC Event type se.
MOS Error ellipse: s-maj=12.6km s-min=8.6km az=67.4.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=7.5km az=43.9.
IDC Error ellipse: s-maj=23.4km s-min=15.0km az=134.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.2km az=140.0.
MOS IX 12 19 51 47.9–.20 49.39N 156.87E 78 4.2b
KRSC IX 12 19 51 59.1–.80 50.37N 156.96E 60–60 4.1L **¶12835421**
MOS Error ellipse: s-maj=94.4km s-min=20.3km az=78.9.
KRSC Event type se.
ISC IX 13 10 06 42.0–.39 46.60N–.04 152.60E–.03 49–3 4.8b,4.2s 450 4-149
NIED IX 13 10 06 00 46.50N 153.10E 47 4.6W,4.2s **¶13394261**
JMA IX 13 10 06 37.6–.70 46.51N 153.12E 30 5.3,4.2s
ISCJB IX 13 10 06 39.4–.46 46.58N–.04 152.65E–.03 44–4 4.8b,4.2s
SKHL IX 13 10 06 40.7–2.3 46.40N 152.90E 46–14 5.6,5.2b
MOS IX 13 10 06 40.5–.98 46.67N 152.60E 52 4.9b,5.2b
IDC IX 13 10 06 41.8–.61 46.68N 152.54E 51–5 4.4,4.3
BJI IX 13 10 06 41.3 46.83N 152.55E 53 5.0b,4.8b
NEIC IX 13 10 06 43.3–.61 46.68N 152.57E 62–5 4.8b,4.8b
SZGRF IX 13 10 06 50.2 48.12N 152.04E 33 5.1b,4.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s226.00000°,δ68.00000°,λ-152.00000°. NP2:ϕ_s125.00000°,δ64.00000°,λ-25.00000°. $M_0$7.60000×10^{15}
JMA Error ellipse: s-maj=5.6km s-min=6.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=2.9km az=158.9.
MOS Error ellipse: s-maj=7.3km s-min=5.4km az=90.0.
IDC Error ellipse: s-maj=15.5km s-min=10.3km az=144.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.3km az=163.0.
SZGRF Kuril Islands, Russia.
ISC IX 14 01 20 37.4–.56 50.14N–.07 155.8E–.10 128–4 3.9b 83 1-89
MOS IX 14 01 20 35.7–1.2 50.14N 155.78E 131 4.1b **¶11910221**
ISCJB IX 14 01 20 36.0–.57 50.12N–.07 155.8E–.10 133–4 3.9b
KRSC IX 14 01 20 35.3–.80 49.85N 156.87E 50–50 4.1L
BJI IX 14 01 20 35.8 50.25N 156.05E 148 4.6b,4.3b
NEIC IX 14 01 20 36.8–.47 50.18N 155.64E 119 4.3b,4.3b
IDC IX 14 01 20 37.0–.72 50.17N 155.71E 123–7 3.7,3.6
ISC Event type se.
MOS Error ellipse: s-maj=14.5km s-min=8.3km az=73.4.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=6.8km az=44.8.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.7km az=135.0.
IDC Error ellipse: s-maj=19.0km s-min=12.0km az=139.0.
KRSC IX 14 20 32 07.8–1.2 50.46N 157.73E 56–56 3.6L
¶12835424
KRSC Event type se.

KRSC IX 17 07 49 59.1–.80 50.63N 157.84E 80–80 4.1L
¶12835432
KRSC Event type se.
ISC IX 18 05 51 35.8–.61 44.7N–.10 149.9E–.10 35 3.9b 24 5-81
NIED IX 18 05 51 00 45.00N 150.00E 20 4.0W **¶11339051**
ISCJB IX 18 05 51 33.6–.61 44.6N–.10 149.8E–.10 33 3.9b
NEIC IX 18 05 51 38.1–.55 44.64N 149.83E 59 4.2b
IDC IX 18 05 51 40.1–9.8 44.70N 149.87E 75–88 3.7,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ87.00000°,λ111.00000°. NP2:ϕ_s163.00000°,δ22.00000°,λ8.00000°. $M_0$9.49000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=8.1km az=147.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.7km az=148.0.
IDC Error ellipse: s-maj=19.8km s-min=17.8km az=156.0.
ISC IX 18 14 10 27.9–2.5 49.3N–.20 156.8E–.50 68–31 3.3b 14 4-74
IDC IX 18 14 10 09.0–7.0 48.65N 154.74E 0 4.0,3.6b **¶11910556**
KRSC IX 18 14 10 24.8–2.1 49.59N 156.57E 196–86 4.0L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=178.9km s-min=48.2km az=93.0.
KRSC Event type se.
ISC IX 19 14 07 14.1–.69 46.98N–.08 152.8E–.10 60–7 4.0b 84 4-78
NIED IX 19 14 07 00 47.00N 153.00E 5 4.0W **¶13394699**
SKHL IX 19 14 07 10.8–1.6 46.30N 153.70E 74–38 5.1b
ISCJB IX 19 14 07 11.8–.83 46.97N–.08 152.8E–.10 58–8 4.0b,3.3s
NEIC IX 19 14 07 11.8–.52 46.98N 152.83E 35 4.4b,3.3s
IDC IX 19 14 07 12.4–.69 46.90N 152.83E 46–6 4.0,3.8
MOS IX 19 14 07 13.0–1.0 47.00N 152.85E 68 4.4b,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s300.00000°,δ89.00000°,λ-144.00000°. NP2:ϕ_s209.00000°,δ54.00000°,λ-1.00000°. $M_0$1.15000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=4.8km az=135.2.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=8.6km az=133.0.
IDC Error ellipse: s-maj=22.8km s-min=13.3km az=137.0.
MOS Error ellipse: s-maj=18.2km s-min=8.3km az=58.8.
ISC IX 20 22 21 34.5–1.1 46.7N–.10 150.6E–.20 167–12 3.6b 22 5-79
ISCJB IX 20 22 21 33.7–1.1 46.7N–.10 150.5E–.20 175–12 3.6b **¶11910738**
IDC IX 20 22 21 36.4–2.4 46.80N 150.50E 182–22 3.6,3.4b
JMA IX 20 22 21 38.7–.60 45.57N 150.82E 181 3.8,3.4b
ISCJB Error ellipse: s-maj=33.7km s-min=12.6km az=42.0.
IDC Error ellipse: s-maj=27.5km s-min=17.7km az=121.0.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
ISC IX 22 10 13 04.0–.84 47.19N–.08 153.8E–.10 52–7 4.0b,3.5s 69 4-78
NIED IX 22 10 13 00 46.90N 154.20E 17 4.1W,3.5s **¶13394954**
ISCJB IX 22 10 13 01.5–.97 47.20N–.08 153.8E–.10 45–8 4.0b,3.5s
MOS IX 22 10 13 02.2–1.1 47.22N 153.76E 51 4.4b,3.5s
BJI IX 22 10 13 02.6 47.20N 153.80E 40 4.4b,4.4b
IDC IX 22 10 13 03.9–3.0 47.19N 153.78E 51–27 3.8,3.8
NEIC IX 22 10 13 04.6–1.1 47.17N 153.84E 60–10 4.2b,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ55.00000°,λ126.00000°. NP2:ϕ_s346.00000°,δ49.00000°,λ49.00000°. $M_0$1.36000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=6.2km az=138.7.
MOS Error ellipse: s-maj=13.1km s-min=8.2km az=63.2.
IDC Error ellipse: s-maj=25.5km s-min=14.8km az=144.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=8.0km az=141.0.
ISC IX 22 10 42 45.4–.36 44.25N–.03 147.42E–.03 79–3 4.4b 397 1-152
NIED IX 22 10 42 00 43.90N 147.60E 65 4.4W **¶13394955**
MOS IX 22 10 42 40.7–1.0 44.19N 147.53E 59 4.8b
BJI IX 22 10 42 42.5 44.02N 147.74E 84 4.8b,4.7b
SKHL IX 22 10 42 43.6–.80 44.20N 147.70E 70–5 5.0b,4.7b
IDC IX 22 10 42 43.9–.52 44.18N 147.50E 69–4 4.1,4.1
ISCJB IX 22 10 42 43.9–.37 44.26N–.03 147.45E–.03 80–3 4.4b,4.1
JMA IX 22 10 42 43.1–.20 43.92N 147.63E 26 4.8,4.1
NEIC IX 22 10 42 45.3–.69 44.21N 147.47E 86–6 4.6b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s232.00000°,δ77.00000°,λ99.00000°. NP2:ϕ_s15.00000°,δ16.00000°,λ54.00000°. $M_0$5.14000×10^{15}
MOS Error ellipse: s-maj=9.8km s-min=5.8km az=99.8.
IDC Error ellipse: s-maj=14.3km s-min=8.4km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.5km az=155.4.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.4km az=154.0.
JMA IX 22 19 24 28.6–.10 43.92N 148.00E 11 4.0
¶14103502
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
JMA IX 24 06 27 24.6–.50 44.06N 148.02E 0 3.8
¶14103976
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISC IX 25 06 22 59.3–1.1 49.40N–.08 156.1E–.10 47–13 3.7b,3.2s 42 1-75
MOS IX 25 06 22 56.6–1.2 49.33N 156.23E 43 4.5b,3.2s **¶11910996**
KRSC IX 25 06 22 56.7–.40 49.38N 156.41E 53–52 4.7L,3.2s
ISCJB IX 25 06 22 57.1–1.3 49.37N–.08 156.1E–.10 45–14 3.7b,3.2s
IDC IX 25 06 22 59.2–.79 49.35N 156.13E 48–8 3.9,3.7L
NEIC IX 25 06 22 59.0–.50 49.37N 156.07E 49 3.9,3.7L
ISC Event type se.
MOS Error ellipse: s-maj=32.5km s-min=10.3km az=70.2.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=7.5km az=39.5.
IDC Error ellipse: s-maj=30.2km s-min=11.8km az=118.0.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=7.6km az=122.0.
ISC IX 26 19 21 47.5–.94 47.09N–.08 152.8E–.10 68–8 4.0b 67 4-148
MOS IX 26 19 21 44.2–1.0 47.05N 152.80E 58 4.3b **¶11911104**
ISCJB IX 26 19 21 45.3–1.1 47.05N–.08 152.8E–.10 66–9 4.0b
IDC IX 26 19 21 45.2–.64 47.00N 152.87E 51–6 4.0,3.9
NEIC IX 26 19 21 46.6–.88 47.00N 152.81E 65–8 4.4b,3.9
ISC Event type se.
MOS Error ellipse: s-maj=14.6km s-min=11.1km az=71.9.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=6.9km az=139.1.
IDC Error ellipse: s-maj=18.3km s-min=11.9km az=139.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.3km az=143.0.
JMA IX 29 07 29 22.5–.20 43.82N 147.64E 13 3.5
¶14105736
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
KRSC IX 30 23 03 21.7–.60 49.68N 156.84E 21–21 4.0L
¶12835455
KRSC Event type se.
ISC X 01 00 53 58.7–.37 46.57N–.03 152.12E–.03 73–3 4.5b 680 3-154
NIED X 01 00 53 00 46.50N 152.60E 50 4.5W **¶11322838**
BJI X 01 00 53 53.9 46.80N 152.59E 65 4.8b,4.7b
JMA X 01 00 53 54.7–.70 46.47N 152.55E 30 5.2,4.7b
ISCJB X 01 00 53 56.1–.45 46.54N–.03 152.20E–.03 66–4 4.5b,4.7b
MOS X 01 00 53 57.4–.95 46.52N 152.15E 79 4.8b,4.7b
IDC X 01 00 53 57.0–.47 46.67N 152.17E 60–4 4.2,4.1
NEIC X 01 00 53 59.6–.65 46.64N 152.18E 81–5 4.5b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s126.00000°,δ69.00000°,λ-22.00000°. NP2:ϕ_s224.00000°,δ69.00000°,λ-158.00000°. $M_0$6.04000×10^{15}
JMA Error ellipse: s-maj=6.7km s-min=6.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.7km az=162.1.
MOS Error ellipse: s-maj=7.8km s-min=5.4km az=92.8.
IDC Error ellipse: s-maj=14.5km s-min=9.9km az=138.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.7km az=159.0.
ISC X 01 09 19 59.6–1.9 50.1N–.10 156.3E–.10 35 25 1-7
KRSC X 01 09 19 56.3–.80 50.03N 156.48E 47–52 4.2L **¶12835458**
MOS X 01 09 20 01.7–1.4 50.40N 156.50E 42 4.3b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=61.4km s-min=16.5km az=71.3.
KRSC X 02 04 44 57.5–.50 49.49N 155.77E 104–104 4.4L
¶12835461
KRSC Event type se.

KRSC X 03 09 40 13.2–.70 50.72N 157.87E 48–51 3.8L
¶12835462
KRSC Event type se.
JMA X 03 13 56 44.2–.40 44.67N 149.15E 30 4.2
NIED X 03 13 56 00 44.70N 149.10E 23 3.6W ¶11748028
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ69.00000°,λ53.00000°. NP2:ϕ_s217.00000°,δ42.00000°,λ148.00000°. M_o2.43000×10^{14}
ISC X 04 10 04 50.0–.51 49.45N–.05 154.38E–.07 139–3 4.4b 343 2-127
MOS X 04 10 04 47.9–1.1 49.45N 154.38E 134 4.6b ¶13395952
BJI X 04 10 04 48.3 49.34N 154.35E 137 4.6b,4.4b
ISCJB X 04 10 04 48.8–.53 49.44N–.05 154.43E–.07 144–3 4.4b,4.4b
KRSC X 04 10 04 49.6–.40 49.26N 155.61E 159–40 4.9L,4.4b
NEIC X 04 10 04 49.5–.52 49.46N 154.31E 136–4 4.7b,4.4b
IDC X 04 10 04 49.9–.54 49.46N 154.34E 142–4 4.1,4.1
ISC Event type se.
MOS Error ellipse: s-maj=9.2km s-min=4.7km az=87.8.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=4.7km az=144.6.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.7km az=153.0.
IDC Error ellipse: s-maj=12.3km s-min=8.0km az=138.0.
JMA X 05 18 37 07.2–.20 43.28N 147.16E 44–5 3.5
¶14108176
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
JMA X 07 00 12 01.4–.40 43.50N 147.40E 26 3.8
NIED X 07 00 12 00 43.50N 147.40E 17 3.3W ¶11748197
JMA Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s182.00000°,δ77.00000°,λ119.00000°. NP2:ϕ_s294.00000°,δ32.00000°,λ25.00000°. M_o1.01000×10^{14}
ISC X 09 09 35 39.9–1.1 46.9N–.10 152.7E–.20 80–9 3.6b 45 4-78
MOS X 09 09 35 37.9–1.9 46.85N 152.63E 77 4.2b ¶13396473
ISCJB X 09 09 35 38.1–1.2 46.9N–.10 152.7E–.20 81–11 3.6b
IDC X 09 09 35 39.1–3.0 46.84N 152.60E 75–27 3.6,3.5
NEIC X 09 09 35 40.1–1.5 46.89N 152.68E 84–14 3.6,3.5
ISC Event type se.
MOS Error ellipse: s-maj=22.6km s-min=10.3km az=53.5.
ISCJB Event type se. Error ellipse: s-maj=27.2km s-min=7.8km az=42.7.
IDC Error ellipse: s-maj=26.6km s-min=16.7km az=127.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=10.6km az=127.0.
ISC X 09 17 20 02.5–4.2 48.1N–.10 155.1E–.30 29–31 3.5b 18 3-74
IDC X 09 17 19 58.2–1.6 47.97N 155.22E 0 3.6,3.5 ¶12066446
ISCJB X 09 17 19 59.9–4.0 48.1N–.10 155.1E–.30 24–30 3.4b,3.5
MOS X 09 17 20 00.8–1.1 48.05N 155.01E 29 3.6b,3.5
IDC Error ellipse: s-maj=36.4km s-min=28.2km az=104.0.
ISCJB Error ellipse: s-maj=35.0km s-min=9.6km az=30.8.
MOS Error ellipse: s-maj=33.6km s-min=15.6km az=64.8.
ISC X 09 17 31 60.0–1.2 45.0N–.10 150.3E–.10 57–11 3.8b 71 3-152
NIED X 09 17 31 00 45.20N 150.30E 20 3.8W ¶11748452
MOS X 09 17 31 57.9–1.4 45.25N 150.26E 55 4.2b
JMA X 09 17 31 57.3–.60 45.24N 150.34E 30 4.2
NEIC X 09 17 31 58.6–2.1 45.20N 150.26E 42–19 3.9b
ISCJB X 09 17 31 59.4–1.4 44.9N–.10 150.2E–.10 72–13 3.7b
IDC X 09 17 32 00.1–3.1 45.21N 150.23E 56–28 3.7,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ71.00000°,λ89.00000°. NP2:ϕ_s213.00000°,δ19.00000°,λ94.00000°. M_o5.58000×10^{14}
MOS Error ellipse: s-maj=20.1km s-min=14.6km az=50.5.
JMA Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=12.4km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=13.4km az=150.8.
IDC Error ellipse: s-maj=23.2km s-min=16.1km az=142.0.
JMA X 10 02 01 45.3–.50 44.15N 148.15E 0 4.3
NIED X 10 02 01 00 44.10N 148.20E 44 3.7W ¶11748461
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s241.00000°,δ75.00000°,λ-128.00000°. NP2:ϕ_s132.00000°,δ40.00000°,λ-24.00000°. M_o4.33000×10^{14}
ISC X 10 06 33 23.2–.14 49.46N–.03 155.76E–.04 47 4.5b,3.8s 539 1-147
MOS X 10 06 33 21.5–.95 49.48N 155.85E 51 4.9b,3.8s ¶11344590
ISCJB X 10 06 33 21.0–.14 49.42N–.02 155.87E–.03 45 4.5b,3.8s
KRSC X 10 06 33 21.0–.40 49.45N 156.67E 10–10 5.0L,3.8s
IDC X 10 06 33 22.3–.56 49.59N 155.69E 41–5 4.4L,4.3
NEIC X 10 06 33 23.9–.58 49.53N 155.67E 57–5 4.6b,4.3
BJI X 10 06 33 23.6 49.48N 155.68E 62 4.7b,4.5b
ISC Event type se.
MOS Error ellipse: s-maj=10.7km s-min=5.3km az=75.9.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=145.5.
KRSC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=10.1km az=143.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.4km az=147.0.
ISC X 10 19 01 42.4–.97 46.15N–.09 152.8E–.10 36–8 3.9b 76 5-148
IDC X 10 19 01 36.8–.77 46.19N 152.85E 0 4.0,3.9 ¶12066525
JMA X 10 19 01 37.9–.70 46.57N 152.94E 30 4.3,3.9
NEIC X 10 19 01 38.7–4.3 46.15N 152.75E 12–27 4.2b,3.9
ISCJB X 10 19 01 40.0–.64 46.14N–.09 152.8E–.10 33 3.9b,3.9
MOS X 10 19 01 40.6–1.1 46.17N 152.75E 39 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=17.7km az=103.0.
JMA Error ellipse: s-maj=11.1km s-min=9.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.1km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=4.9km az=139.4.
MOS Error ellipse: s-maj=15.4km s-min=10.3km az=74.5.
KRSC X 11 14 13 12.2–1.3 49.63N 156.48E 52–52 4.0L
¶12835476
KRSC Event type se.
ISC X 11 19 25 50.7–.59 50.60N–.06 156.79E–.09 84–4 4.0b 109 0-77
KRSC X 11 19 25 48.6–.60 50.55N 157.09E 52–51 4.8L ¶12066604
IDC X 11 19 25 48.5–.74 50.62N 156.82E 63–7 3.9,3.7
ISCJB X 11 19 25 49.5–.62 50.59N–.06 156.82E–.09 91–4 4.0b,3.7
MOS X 11 19 25 49.6–.95 50.65N 156.86E 62 4.5b,3.7
NEIC X 11 19 25 51.4–.83 50.67N 156.72E 89–7 4.3b,3.7
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=11.0km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=4.7km az=136.2.
MOS Error ellipse: s-maj=15.8km s-min=7.3km az=68.8.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.8km az=144.0.
KRSC X 12 05 07 55.1–1.1 50.98N 157.83E 65–85 3.7L
¶12835477
KRSC Event type se.
JMA X 12 21 57 18.7–.30 43.94N 147.86E 0 4.0
¶14110671
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISC X 13 08 47 58.4–2.7 46.5N–.10 153.1E–.10 32–21 3.8b 33 4-78
NIED X 13 08 47 00 47.00N 152.80E 5 3.8W ¶11748728
IDC X 13 08 47 54.6–1.5 46.39N 153.69E 0 3.9,3.6
ISCJB X 13 08 47 55.2–2.7 46.4N–.10 153.1E–.10 26–21 3.8b,3.6
NEIC X 13 08 47 56.3–.67 46.49N 153.68E 10 4.8b,3.6
JMA X 13 08 47 56.8–.70 47.04N 152.83E 30 4.4,3.6
MOS X 13 08 47 58.6–2.6 46.66N 152.88E 43 4.0b,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s207.00000°,δ65.00000°,λ118.00000°. NP2:ϕ_s336.00000°,δ37.00000°,λ45.00000°. M_o5.84000×10^{14}
IDC Error ellipse: s-maj=84.3km s-min=25.1km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=28.5km s-min=8.4km az=147.8.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=11.1km az=127.0.
JMA Error ellipse: s-maj=11.1km s-min=9.1km az=-1.0.
MOS Error ellipse: s-maj=51.9km s-min=18.0km az=56.2.
JMA X 14 16 04 13.3–.20 43.71N 146.89E 51–3 3.8
¶14111340
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
KRSC X 15 13 56 36.7–1.2 50.59N 157.70E 5–5 3.7L
¶12835480
KRSC Event type se.
ISC X 16 16 39 43.8–.78 48.31N–.09 151.1E–.20 244–10 3.9b 50 6-138
ISCJB X 16 16 39 42.9–.78 48.31N–.09 151.1E–.20 251–10 3.9b ¶12068797
NEIC X 16 16 39 43.8–.61 48.32N 151.08E 244–7 3.9b
IDC X 16 16 39 44.5–1.8 48.31N 151.11E 250–17 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=8.5km az=38.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.2km az=128.0.
IDC Error ellipse: s-maj=17.6km s-min=11.4km az=116.0.
KRSC X 18 03 21 37.4–2.1 49.21N 156.27E 106–105 4.2L
MOS X 18 03 21 36.8–.63 48.84N 156.82E 91 4.1b ¶12835488
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=20.1km az=79.2.
IDC X 19 06 56 48.0–2.9 46.35N 152.43E 0 4.0,3.9b
¶12069027
IDC Error ellipse: s-maj=74.2km s-min=44.5km az=15.0.
ISC X 20 00 22 10.7–1.5 49.0N–.10 154.9E–.20 78–11 3.8b 50 2-75
ISCJB X 20 00 22 10.5–1.5 49.1N–.10 154.8E–.20 92–11 3.8b ¶12069094
MOS X 20 00 22 10.9–1.4 49.13N 154.84E 89 4.3b
NEIC X 20 00 22 10.8–1.3 49.00N 154.83E 79–10 4.0b
IDC X 20 00 22 10.4–4.2 48.95N 154.84E 75–36 3.6L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=10.2km az=140.3.
MOS Error ellipse: s-maj=20.9km s-min=11.7km az=77.8.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=8.1km az=150.0.
IDC Error ellipse: s-maj=43.3km s-min=17.5km az=154.0.
ISC X 20 07 17 32.3–.82 48.51N–.08 154.3E–.10 65–6 4.3b 118 2-83
ISCJB X 20 07 17 30.1–.90 48.47N–.08 154.3E–.10 61–6 4.4b ¶11361737
MOS X 20 07 17 30.4–.90 48.52N 154.26E 64 5.0b
IDC X 20 07 17 31.8–3.4 48.30N 154.30E 70–27 4.0,3.9
NEIC X 20 07 17 32.6–1.2 48.50N 154.30E 70–7 4.7b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=5.7km az=139.7.
MOS Error ellipse: s-maj=14.0km s-min=8.4km az=80.6.
IDC Error ellipse: s-maj=25.6km s-min=11.9km az=162.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=6.6km az=161.0.
KRSC X 20 17 51 41.7–1.3 49.14N 156.02E 5–5 4.5L
MOS X 20 17 51 57.0–.59 50.02N 156.39E 58 3.9b ¶12835490
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=21.3km az=72.8.
ISC X 21 02 17 47.8–1.2 46.5N–.20 152.3E–.20 75–11 3.6b 38 3-78
JMA X 21 02 17 43.1–.80 46.73N 152.52E 30 4.4 ¶12070715
ISCJB X 21 02 17 45.9–1.4 46.5N–.20 152.3E–.20 74–12 3.6b
MOS X 21 02 17 48.0–1.1 46.86N 152.12E 80 4.0b
IDC X 21 02 17 49.7–3.6 46.84N 152.14E 85–32 3.6,3.4b
JMA Error ellipse: s-maj=10.0km s-min=9.1km az=-1.0.
ISCJB Error ellipse: s-maj=37.2km s-min=10.2km az=141.1.
MOS Error ellipse: s-maj=29.3km s-min=17.3km az=53.5.
IDC Error ellipse: s-maj=42.5km s-min=21.5km az=147.0.
JMA X 22 17 30 12.9–.70 44.51N 148.76E 30 3.8
¶14114066
JMA Error ellipse: s-maj=4.4km s-min=5.6km az=-1.0.
ISC X 23 05 32 41.7–.40 43.20N–.03 146.73E–.03 53–3 4.7b,4.0s 625 1-154
NIED X 23 05 32 00 43.10N 146.80E 47 4.6W,4.0s ¶13397861
MOS X 23 05 32 39.6–.91 43.17N 146.76E 52 5.0b,4.0s
SKHL X 23 05 32 39.9–.30 43.10N 146.90E 66–3 5.0b,4.2s
BJI X 23 05 32 39.7 43.64N 146.88E 57 5.0b,4.6b
JMA X 23 05 32 40.0–.10 43.09N 146.79E 57–2 4.6,4.6b
ISCJB X 23 05 32 40.5–.42 43.21N–.04 146.74E–.03 57–3 4.7b,4.0s
IDC X 23 05 32 42.7–.58 43.13N 146.71E 70–6 4.5,4.4
NEIC X 23 05 32 43.3–.19 43.16N 146.72E 72 4.7b,4.4
SZGRF X 23 05 32 52.0 44.89N 147.82E 33 5.0b,4.4
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ76.00000°,λ115.00000°. NP2:ϕ_s173.00000°,δ29.00000°,λ30.00000°. M_o8.11000×10^{15}
MOS Event type fe. Error ellipse: s-maj=8.7km s-min=5.1km az=105.8. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.2km az=167.9.
IDC Error ellipse: s-maj=15.4km s-min=11.6km az=158.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.2km az=166.0. Recorded [2 JMA] in eastern Hokkaido.
SZGRF Kuril Islands, Russia.
ISC X 23 06 42 09.2–.93 46.18N–.08 152.84E–.10 56–7 4.2b,3.8s 100 4-154
NIED X 23 06 42 00 46.60N 152.90E 8 4.4W,3.8s ¶11749257
MOS X 23 06 42 06.7–1.7 46.17N 152.77E 49 4.4b,3.8s
NEIC X 23 06 42 06.8–.45 46.23N 152.89E 35 4.3b,3.8s
ISCJB X 23 06 42 07.2–1.0 46.18N–.08 152.81E–.10 55–8 4.2b,3.8s
SKHL X 23 06 42 07.0–2.6 45.80N 153.20E 55–13 5.3b,3.8s
IDC X 23 06 42 10.4–.76 46.16N 152.78E 70–7 4.0,3.9
BJI X 23 06 42 12.5 46.81N 152.74E 86 5.0b,4.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ90.00000°,λ166.00000°. NP2:ϕ_s314.00000°,δ76.00000°,λ0.00000°. M_o4.46000×10^{15}
MOS Error ellipse: s-maj=13.1km s-min=9.4km az=80.6.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.9km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=6.5km az=141.4.
IDC Error ellipse: s-maj=16.6km s-min=14.6km az=170.0.
ISC X 23 10 41 38.5–1.0 46.20N–.08 152.9E–.10 54–7 4.2b 106 4-82
ISCJB X 23 10 41 35.8–1.1 46.15N–.07 152.99E–.09 49–8 4.2b ¶12070875
MOS X 23 10 41 36.1–1.1 46.21N 152.83E 51 4.4b
NEIC X 23 10 41 36.1–.32 46.17N 152.78E 35 4.5b
IDC X 23 10 41 39.8–.70 46.18N 152.77E 67–7 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=5.7km az=141.1.
MOS Error ellipse: s-maj=11.9km s-min=8.9km az=74.3.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.5km az=140.0.
IDC Error ellipse: s-maj=17.6km s-min=12.7km az=153.0.
ISC X 23 10 59 04.4–.96 46.08N–.07 152.68E–.10 72–8 3.9b 86 3-148
MOS X 23 10 59 01.8–.93 46.11N 152.77E 67 4.3b ¶12070879
ISCJB X 23 10 59 02.1–1.1 46.09N–.07 152.68E–.09 68–9 3.9b
NEIC X 23 10 59 02.1–1.5 46.26N 152.72E 48–13 4.2b
IDC X 23 10 59 04.4–.75 46.13N 152.70E 72–6 3.8,3.8
ISC Event type se.
MOS Error ellipse: s-maj=12.6km s-min=10.0km az=82.4.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=6.5km az=140.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.8km az=152.0.
IDC Error ellipse: s-maj=15.8km s-min=14.9km az=159.0.
ISC X 23 14 42 28.1–.88 48.5N–.10 152.8E–.30 163–12 3.9b 61 3-81
ISCJB X 23 14 42 27.1–.91 48.5N–.20 152.8E–.30 171–12 3.9b ¶12070899
MOS X 23 14 42 27.7–.88 48.54N 152.73E 178 4.1b
NEIC X 23 14 42 27.9–2.6 48.34N 153.11E 178–21 4.2b
IDC X 23 14 42 27.4–2.7 48.35N 153.08E 169–21 3.6b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.7km s-min=9.6km az=41.0.
MOS Error ellipse: s-maj=15.7km s-min=10.3km az=82.8.
NEIC Event type se. Error ellipse: s-maj=52.0km s-min=20.4km az=138.0.
IDC Error ellipse: s-maj=50.6km s-min=16.2km az=134.0.
ISC X 24 08 42 19.1–.54 50.31N–.07 155.9E–.10 131–4 3.7b 88 0-76
ISCJB X 24 08 42 17.9–.54 50.33N–.07 155.9E–.10 137–5 3.7b ¶12070966
MOS X 24 08 42 17.6–1.0 50.29N 155.98E 138 4.5b
NEIC X 24 08 42 19.3–.92 50.28N 155.90E 136–8 4.2b
IDC X 24 08 42 19.8–2.0 50.28N 155.92E 140–19 3.6,3.5
KRSC X 24 08 42 20.3–.90 50.33N 157.07E 10–10 4.1L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=6.1km az=44.7.
MOS Error ellipse: s-maj=19.1km s-min=8.6km az=65.1.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.5km az=162.0.
IDC Error ellipse: s-maj=19.3km s-min=12.0km az=157.0.
KRSC Event type se.

JMA X 25 11 28 38.9–.30 43.65N 147.25E 28 3.6
¶14114829

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC X 26 02 19 25.5–1.2 43.20N–.10 146.2E–.10 48–9 3.7b 34 0-84
NIED X 26 02 19 00 43.20N 146.10E 86 4.6W **¶11749445**
ISCJB X 26 02 19 24.7–1.2 43.20N–.10 146.2E–.10 56–7 3.7b
JMA X 26 02 19 25.8–.10 43.19N 146.09E 48–1 4.0
MOS X 26 02 19 27.2–.80 43.55N 146.08E 67 4.0b
NEIC X 26 02 19 29.5–1.9 43.57N 146.03E 72–19 4.0
IDC X 26 02 19 30.2–3.3 43.57N 145.98E 79–34 3.6,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s263.00000°,δ83.00000°,λ118.00000°. NP2:ϕ_s6.00000°,δ29.00000°,λ15.00000°. $M_0$8.46000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=17.2km s-min=11.1km az=150.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=26.8km s-min=23.3km az=96.4.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=19.6km az=210.0.
IDC Error ellipse: s-maj=44.4km s-min=29.4km az=177.0.
ISC X 26 09 28 40.8–.74 44.33N–.05 148.10E–.07 57–6 4.3s,3.9b 119 1-115
SKHL X 26 09 28 38.8–2.3 44.40N 148.40E 64–4 5.3b,3.9b **¶12071145**
MOS X 26 09 28 38.8–1.1 44.35N 148.13E 61 4.5b,3.9b
JMA X 26 09 28 39.6–.20 44.01N 147.90E 0 5.0,3.9b
ISCJB X 26 09 28 39.1–.75 44.34N–.04 148.12E–.07 60–6 4.3s,3.9b
NEIC X 26 09 28 41.3–.87 44.35N 148.13E 64–8 4.2b,3.9b
IDC X 26 09 28 41.7–2.4 44.39N 148.03E 67–21 4.3s,4.2
ISC Event type se.
MOS Error ellipse: s-maj=11.6km s-min=9.1km az=68.5.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.3km az=38.4.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.1km az=134.0.
IDC Error ellipse: s-maj=17.7km s-min=12.2km az=145.0.
ISC X 26 18 55 59.8–1.2 48.23N–.10 155.0E–.20 62–8 3.8b 57 3-78
IDC X 26 18 55 51.8–1.2 48.14N 154.86E 0 3.9,3.8 **¶12071182**
MOS X 26 18 55 56.5–2.2 48.23N 155.03E 50 4.3b,3.8
ISCJB X 26 18 55 57.8–1.3 48.22N–.10 155.0E–.20 61–9 3.8b,3.8
NEIC X 26 18 56 00.1–1.5 48.27N 154.97E 66–12 4.2b,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=31.6km s-min=20.2km az=146.0.
MOS Error ellipse: s-maj=16.2km s-min=10.4km az=67.3.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=6.4km az=43.5.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=10.4km az=147.0.
ISC X 26 19 51 38.4–.67 46.9N–.10 153.2E–.20 65 3.5b 38 4-77
ISCJB X 26 19 51 36.1–.68 46.9N–.10 153.2E–.20 63 3.7b **¶12071185**
MOS X 26 19 51 36.8–2.4 47.10N 152.84E 58 3.9b
IDC X 26 19 51 37.9–.90 47.09N 152.84E 67–8 3.7,3.4
NEIC X 26 19 51 38.2–.90 47.00N 153.23E 63 3.7,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=7.4km az=147.1.
MOS Error ellipse: s-maj=26.3km s-min=11.5km az=52.0.
IDC Error ellipse: s-maj=35.3km s-min=16.8km az=127.0.
NEIC Event type se. Error ellipse: s-maj=35.7km s-min=13.0km az=137.0.
IDC X 27 15 16 48.7–5.5 44.45N 149.43E 54–50 3.3,3.2
NIED X 27 15 16 00 44.60N 149.50E 14 3.8W,3.2 **¶11749518**
IDC Error ellipse: s-maj=36.3km s-min=27.5km az=108.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s74.00000°,δ87.00000°,λ-85.00000°. NP2:ϕ_s192.00000°,δ6.00000°,λ-151.00000°. $M_0$5.50000×10^{14}
ISC X 27 17 43 54.0–1.0 46.63N–.10 152.6E–.20 75–10 3.3b 36 6-72
ISCJB X 27 17 43 51.6–1.1 46.65N–.10 152.6E–.10 72–11 3.3b **¶12071258**
IDC X 27 17 43 54.2–3.0 46.80N 152.81E 78–28 3.4,3.3
NEIC X 27 17 43 56.0–1.4 46.85N 152.95E 98–14 4.0b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=6.5km az=44.2.
IDC Error ellipse: s-maj=30.6km s-min=22.3km az=108.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=12.0km az=157.0.
JMA X 28 02 49 29.1–.30 44.16N 148.29E 0 4.2
¶14115863

JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC X 28 05 17 47.4–.28 44.48N–.04 146.67E–.04 118–3 4.2b 369 1-84
NIED X 28 05 17 00 44.40N 146.80E 110 4.1W **¶11374796**
MOS X 28 05 17 45.8–1.0 44.51N 146.61E 126 4.1b
BJI X 28 05 17 46.4 44.61N 146.57E 130 4.9b,4.5b
ISCJB X 28 05 17 46.2–.28 44.50N–.04 146.67E–.04 123–3 4.2b,4.5b
IDC X 28 05 17 47.6–2.1 44.54N 146.68E 123–19 4.0,3.8
JMA X 28 05 17 47.5–.50 44.37N 146.78E 108–4 3.9,3.8
NEIC X 28 05 17 47.7–.67 44.50N 146.65E 125–7 4.2b,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ83.00000°,λ89.00000°. NP2:ϕ_s19.00000°,δ7.00000°,λ102.00000°. $M_0$1.46000×10^{15}
MOS Error ellipse: s-maj=12.1km s-min=8.2km az=55.6.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.7km az=152.5.
IDC Error ellipse: s-maj=21.6km s-min=11.9km az=161.0.
JMA Error ellipse: s-maj=2.2km s-min=4.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.5km az=152.0.
ISC X 28 07 18 33.4–1.1 49.35N–.07 156.1E–.10 70–8 3.9b 89 1-146
MOS X 28 07 18 31.9–1.0 49.41N 155.89E 74 4.3b **¶12071313**
NEIC X 28 07 18 32.7–.86 49.30N 156.02E 68–7 4.3b
ISCJB X 28 07 18 33.6–1.3 49.43N–.08 156.3E–.10 85–9 3.9b
KRSC X 28 07 18 33.3–1.9 49.54N 156.88E 10–10 4.7L
IDC X 28 07 18 34.6–.72 49.34N 155.98E 84–7 3.9,3.8
ISC Event type se.
MOS Error ellipse: s-maj=26.3km s-min=8.9km az=74.6.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.4km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=10.9km az=145.2.
KRSC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=13.7km az=150.0.
JMA X 28 15 49 37.0–.50 45.18N 150.83E 30 4.1
NIED X 28 15 49 00 45.20N 150.80E 23 3.7W **¶11749590**
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s242.00000°,δ66.00000°,λ109.00000°. NP2:ϕ_s22.00000°,δ30.00000°,λ54.00000°. $M_0$4.72000×10^{14}
JMA X 28 20 48 32.9–.60 45.15N 150.87E 30 3.7
NIED X 28 20 48 00 45.10N 150.90E 17 3.6W **¶11749599**
JMA Error ellipse: s-maj=6.7km s-min=6.3km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s242.00000°,δ84.00000°,λ104.00000°. NP2:ϕ_s353.00000°,δ15.00000°,λ22.00000°. $M_0$3.16000×10^{14}
KRSC X 29 13 33 28.5–1.2 50.47N 157.20E 38–38 3.9L
¶12835498

KRSC Event type se.
ISC X 29 22 10 12.3–.47 46.68N–.04 152.77E–.05 49–3 4.6b 334 4-154
NIED X 29 22 10 00 46.90N 152.80E 26 4.3W **¶13398583**
BJI X 29 22 10 06.1 46.81N 153.45E 48 5.0b,4.8b
ISCJB X 29 22 10 09.3–.57 46.66N–.04 152.79E–.05 39–4 4.6b,4.8b
JMA X 29 22 10 09.7–.80 46.86N 152.81E 30 5.0,4.8b
MOS X 29 22 10 10.9–.99 46.69N 152.78E 53 4.8b,4.8b
NEIC X 29 22 10 12.9–.57 46.72N 152.76E 57–5 4.7b,4.8b
IDC X 29 22 10 12.5–.51 46.74N 152.70E 52–4 4.2,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s120.00000°,δ69.00000°,λ-30.00000°. NP2:ϕ_s222.00000°,δ63.00000°,λ-156.00000°. $M_0$3.10000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.4km az=136.0.
JMA Error ellipse: s-maj=10.0km s-min=9.1km az=-1.0.
MOS Error ellipse: s-maj=7.9km s-min=5.5km az=89.4.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=141.0.
IDC Error ellipse: s-maj=13.3km s-min=10.0km az=148.0.
ISC X 30 01 55 12.2–.76 46.42N–.02 153.22E–.02 18–4 5.4b,5.2s 1565 4-159
NIED X 30 01 55 00 46.40N 153.40E 5 5.5W,5.2s **¶13398595**
ISCJB X 30 01 55 07.5–.70 46.37N–.02 153.27E–.02 1–4 5.4b,5.2s
IDC X 30 01 55 08.7–.42 46.41N 153.21E 0 5.1s,5.1
BGS X 30 01 55 09.0–2.4 46.03N 157.20E 33–999 5.8b,5.1
JMA X 30 01 55 11.4–.70 46.40N 153.36E 30 5.7,5.1
BJI X 30 01 55 11.2 46.48N 153.14E 25 5.8b,5.5s
SKHL X 30 01 55 12.2–.10 46.20N 153.60E 55–14 6.4,6.4
NEIC X 30 01 55 14.2–1.2 46.43N 153.21E 32–8 5.4b,5.1s
MOS X 30 01 55 15.5–1.2 46.43N 153.16E 57 5.7b,5.4s
GCMT X 30 01 55 16.1–.10 46.39N 153.53E 17–0 5.5W,5.4s
TEH X 30 01 55 16.0 46.50N 153.14E 44 5.5W,5.4s
SZGRF X 30 01 55 19.1 47.81N 152.73E 33 5.7b,5.5s
DJA X 30 01 55 20 46.62N 152.93E 64 5.3b,5.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s65.00000°,δ73.00000°,λ105.00000°. NP2:ϕ_s203.00000°,δ22.00000°,λ50.00000°. $M_0$2.08000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=1.7km az=166.1.
IDC Error ellipse: s-maj=14.9km s-min=11.0km az=133.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
JMA Error ellipse: s-maj=5.6km s-min=6.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.1km az=161.0.
MOS Error ellipse: s-maj=6.2km s-min=3.8km az=105.3. Moment Tensor Solution. $M_0$0.60000×10^{18}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=229, per= 50. Moment Tensor Solution. s83,c149; s32,c33; Moment tensor: Scale 10^{17}Nm; M_{rr}1.96±.04 $M_{\theta\theta}$-0.98±.03; $M_{\phi\phi}$-0.98±.03; $M_{r\theta}$0.67±.07; $M_{\theta\phi}$-1.11±.02; $M_{\phi r}$1.36±.08; Best double couple: NP1:ϕ_s237.00000°,δ28.00000°,λ111.00000°. NP2:ϕ_s34.00000°,δ64.00000°,λ79.00000°. Principal axes: T 2.5100,Plg69.0000°,Azm282.0000°; N 0.0500,Plg10.0000°,Azm39.0000° ; P -2.5500,Plg18.0000°,Azm132.0000° $M_0$2.50000×10^{17}
SZGRF Kuril Islands, Russia.
IDC X 30 16 58 26.0–1.7 47.74N 154.88E 0 3.7,3.4b
¶12071642

IDC Error ellipse: s-maj=120.1km s-min=29.3km az=118.0.
ISC XI 01 00 23 34.9–.92 45.7N–.20 146.7E–.20 310–18 3.2b 19 2-70
IDC XI 01 00 23 35.5–2.0 46.29N 146.39E 277–20 3.2,3.0b **¶12071795**
JMA XI 01 00 23 35.6–.50 45.66N 146.84E 286 3.4,3.0b
IDC Error ellipse: s-maj=24.3km s-min=14.8km az=105.0.
JMA Error ellipse: s-maj=4.4km s-min=5.4km az=-1.0.
ISC XI 01 22 51 05.9–.73 45.0N–.10 150.6E–.10 64 3.9b 62 2-150
ISCJB XI 01 22 51 03.6–.73 45.0N–.10 150.6E–.10 62 3.9b **¶12071919**
NEIC XI 01 22 51 03.4–2.3 44.96N 150.56E 43–21 4.4b
IDC XI 01 22 51 05.5–.77 44.98N 150.55E 63–4 3.7,3.6
MOS XI 01 22 51 15.2–1.5 45.00N 150.45E 166 4.2b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=12.9km az=147.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=14.1km az=112.0.
IDC Error ellipse: s-maj=18.6km s-min=15.6km az=142.0.
MOS Error ellipse: s-maj=22.8km s-min=12.8km az=116.1.
ISC XI 02 15 25 08.2–.72 46.53N–.08 152.8E–.10 62–6 3.8b 104 4-79
SKHL XI 02 15 25 04.5–2.0 45.92N 153.38E 46–14 4.9b **¶12071997**
JMA XI 02 15 25 04.4–.90 46.54N 153.06E 30 4.5
ISCJB XI 02 15 25 06.1–.81 46.51N–.09 152.8E–.10 63–7 3.8b
MOS XI 02 15 25 07.9–1.1 46.64N 152.69E 74 4.5b
IDC XI 02 15 25 08.6–4.2 46.74N 152.58E 55–38 3.7,3.6L
NEIC XI 02 15 25 11.6–1.0 46.87N 152.71E 81–10 4.1b,3.6L
ISC Event type se.
JMA Error ellipse: s-maj=10.0km s-min=9.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=5.7km az=140.3.
MOS Error ellipse: s-maj=14.8km s-min=10.7km az=64.4.
IDC Error ellipse: s-maj=24.9km s-min=21.9km az=133.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=8.2km az=141.0.
ISC XI 02 19 51 23.7–.80 43.34N–.06 147.26E–.06 45–6 4.0b,3.0s 118 1-152
NIED XI 02 19 51 00 43.30N 147.20E 50 4.0W,3.0s **¶13399031**
JMA XI 02 19 51 23.1–.20 43.30N 147.18E 44–4 4.0,3.0s
ISCJB XI 02 19 51 23.4–.78 43.39N–.05 147.19E–.06 56–6 4.0b,3.0s
MOS XI 02 19 51 24.5–.90 43.61N 147.21E 59 4.4b,3.0s
NEIC XI 02 19 51 26.4–.81 43.63N 147.21E 60–7 4.2b,3.0s
IDC XI 02 19 51 27.1–2.4 43.68N 147.14E 64–21 3.9,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ55.00000°,λ108.00000°. NP2:ϕ_s208.00000°,δ39.00000°,λ66.00000°. $M_0$9.84000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.6km az=145.9.
MOS Error ellipse: s-maj=12.3km s-min=9.1km az=87.8.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.7km az=149.0.
IDC Error ellipse: s-maj=16.6km s-min=12.8km az=151.0.
ISC XI 03 03 33 55.0–.62 49.62N–.05 156.4E–.10 35 3.9b,3.1s 47 1-74
IDC XI 03 03 33 48.6–1.1 49.74N 155.96E 0 4.0,3.7b **¶12072066**
ISCJB XI 03 03 33 52.9–.66 49.57N–.05 156.6E–.10 33 3.9b,3.1s
MOS XI 03 03 33 52.7–1.5 49.54N 156.41E 48 4.2b,3.1s
KRSC XI 03 03 33 53.8–.30 49.63N 157.12E 10–10 4.3L,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=18.6km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.9km az=21.2.
MOS Error ellipse: s-maj=23.1km s-min=8.1km az=73.3.
KRSC Event type se.
ISC XI 03 06 42 19.4–2.7 47.3N–.20 152.2E–.20 154–27 3.4b 18 7-78
NEIC XI 03 06 42 06.6–.61 47.18N 152.30E 35 3.4b **¶12072083**
ISCJB XI 03 06 42 18.5–2.8 47.3N–.20 152.2E–.20 163–27 3.4b
IDC XI 03 06 42 18.2–3.9 47.26N 152.24E 143–37 3.4,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=14.9km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=32.8km s-min=18.4km az=135.4.
IDC Error ellipse: s-maj=28.3km s-min=16.1km az=133.0.
ISC XI 03 07 58 33.8–1.3 43.37N–.06 146.4E–.10 42–10 3.8b 54 0-83
NIED XI 03 07 58 00 43.30N 146.30E 41 3.8W **¶11749942**
ISCJB XI 03 07 58 32.7–1.1 43.35N–.06 146.4E–.10 51–8 3.8b
MOS XI 03 07 58 33.9–1.1 43.43N 146.29E 61 4.4b
JMA XI 03 07 58 33.9–.20 43.27N 146.27E 45–1 4.1
IDC XI 03 07 58 36.7–3.8 43.40N 146.24E 68–34 4.1L,3.6
NEIC XI 03 07 58 36.5–1.2 43.39N 146.26E 67–11 4.1,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ70.00000°,λ84.00000°. NP2:ϕ_s239.00000°,δ21.00000°,λ106.00000°. $M_0$5.69000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=14.8km s-min=9.2km az=25.7.
MOS Error ellipse: s-maj=19.1km s-min=15.3km az=97.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=26.1km s-min=19.2km az=118.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.5km az=108.0.
ISC XI 03 09 33 16.4–.57 46.53N–.06 152.34E–.08 68–5 4.2b 139 3-149
NIED XI 03 09 33 00 46.50N 152.70E 38 4.0W **¶13399086**
JMA XI 03 09 33 12.2–.80 46.47N 152.68E 30 4.6
ISCJB XI 03 09 33 14.4–.65 46.54N–.06 152.30E–.07 67–6 4.2b
IDC XI 03 09 33 15.9–.66 46.64N 152.23E 62–6 3.9,3.8
MOS XI 03 09 33 16.1–1.1 46.63N 152.21E 81 4.5b,3.8
NEIC XI 03 09 33 17.4–.59 46.64N 152.29E 77–5 5.0b,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ76.00000°,λ-34.00000°. NP2:ϕ_s221.00000°,δ57.00000°,λ-163.00000°. $M_0$1.32000×10^{15}
JMA Error ellipse: s-maj=7.8km s-min=8.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=4.6km az=139.7.
IDC Error ellipse: s-maj=17.6km s-min=11.6km az=145.0.
MOS Error ellipse: s-maj=12.1km s-min=8.0km az=63.3.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.5km az=145.0.
ISC XI 03 11 23 46.8–1.5 48.2N–.10 155.3E–.20 44–16 3.4b 29 3-75
ISCJB XI 03 11 23 42.9–4.2 48.1N–.10 155.3E–.20 28–33 3.4b **¶12072113**
MOS XI 03 11 23 44.0–1.2 48.11N 155.40E 33 4.6b
NEIC XI 03 11 23 46.8–1.2 48.24N 155.28E 44–13 4.6b
IDC XI 03 11 23 47.1–2.6 48.28N 155.15E 47–26 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.9km s-min=13.4km az=136.8.
MOS Error ellipse: s-maj=39.1km s-min=13.9km az=70.9.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=10.0km az=138.0.
IDC Error ellipse: s-maj=43.7km s-min=21.6km az=130.0.
JMA XI 06 15 43 17.7–.20 43.66N 147.61E 58 3.8
¶14119195

JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

JMA XI 06 18 16 09.7–.30 43.97N 147.94E 0 4.1
¶14119244

JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC XI 07 14 10 37.7–1.0 46.7N–.20 153.7E–.60 35 3.6b 21 4-77
ISCJB XI 07 14 10 35.2–1.0 46.8N–.20 153.5E–.60 33 3.6b **¶12072691**
MOS XI 07 14 10 36.4–1.9 46.30N 154.56E 33 3.9b
NEIC XI 07 14 10 37.7–.87 46.65N 153.79E 35 4.2b
IDC XI 07 14 10 39.9–1.9 46.94N 153.15E 63–8 3.6,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=62.2km s-min=12.3km az=20.7.
MOS Error ellipse: s-maj=99.9km s-min=18.3km az=75.1.
NEIC Event type se. Error ellipse: s-maj=52.4km s-min=11.6km az=112.0.
IDC Error ellipse: s-maj=113.1km s-min=21.0km az=121.0.
ISC XI 08 11 29 15.1–.73 46.82N–.07 152.78E–.09 64–6 4.3b 192 6-154
JMA XI 08 11 29 10.8–.90 47.01N 152.95E 30 4.8 **¶13399575**
ISCJB XI 08 11 29 12.4–.80 46.82N–.07 152.80E–.09 57–6 4.3b,3.5s
MOS XI 08 11 29 13.1–1.1 46.92N 152.85E 61 4.3b,3.5s
NEIC XI 08 11 29 15.0–.98 46.89N 152.84E 64–8 4.6b,3.5s
IDC XI 08 11 29 17.0–2.3 46.91N 152.73E 82–20 4.0,3.9
ISC Event type se.
JMA Error ellipse: s-maj=11.1km s-min=9.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=5.6km az=138.0.
MOS Error ellipse: s-maj=11.0km s-min=8.4km az=89.9.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.0km az=151.0.
IDC Error ellipse: s-maj=14.7km s-min=10.2km az=139.0.
ISC XI 11 07 46 27.3–1.8 45.1N–.10 149.0E–.30 84–21 3.4b 24 1-81
IDC XI 11 07 46 15.9–2.9 44.95N 148.92E 0 4.0,3.7 **¶12073149**
ISCJB XI 11 07 46 26.3–1.5 45.0N–.10 148.9E–.30 93–16 3.4b,3.7
MOS XI 11 07 46 26.0–1.4 45.07N 148.91E 92 4.2b,3.7
IDC Error ellipse: s-maj=188.4km s-min=26.6km az=121.0.
ISCJB Error ellipse: s-maj=35.3km s-min=11.2km az=33.9.
MOS Error ellipse: s-maj=39.8km s-min=32.0km az=136.4.
JMA XI 12 06 48 44.6–.40 44.00N 147.95E 0 4.0
¶14121200

JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
JMA XI 12 08 59 18.0–.30 44.51N 146.80E 163–3 3.5
¶14121227

JMA Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
ISC XI 12 19 32 40.8–.82 45.6N–.10 149.5E–.10 189–7 3.5b 52 1-151
ISCJB XI 12 19 32 39.8–.81 45.6N–.10 149.5E–.10 189–7 3.5b **¶12073337**
MOS XI 12 19 32 39.1–.81 46.01N 149.56E 174 3.7b
NEIC XI 12 19 32 39.6–2.3 45.99N 149.53E 163–20 3.8b
IDC XI 12 19 32 40.8–2.5 46.03N 149.56E 172–24 3.4,3.2b
JMA XI 12 19 32 42.3–.30 45.28N 149.73E 162 3.7,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=8.2km az=140.3.
MOS Error ellipse: s-maj=27.9km s-min=16.7km az=53.1.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=12.1km az=170.0.
IDC Error ellipse: s-maj=24.6km s-min=14.0km az=156.0.
JMA Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
ISC XI 13 01 31 03.8–1.6 50.7N–.10 156.5E–.20 111–13 26 0-7
MOS XI 13 01 30 58.2–.52 50.48N 156.25E 147 4.2b **¶12835520**
KRSC XI 13 01 31 01.8–1.0 50.83N 156.65E 146–66 4.0L
ISCJB XI 13 01 31 02.5–1.4 50.7N–.10 156.6E–.20 117–11 4.0L
ISC Event type se.
KRSC Event type se.
ISCJB Event type se.
JMA XI 13 02 07 23.7–.20 43.29N 147.38E 46 3.5
¶14121443

JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
ISC XI 13 15 02 40.3–.67 44.64N–.05 149.32E–.07 48–6 4.0b,3.6s 116 1-81
NIED XI 13 15 02 00 44.80N 149.30E 20 3.9W,3.6s **¶13400043**
IDC XI 13 15 02 33.5–.69 44.68N 149.33E 0 4.0,4.0
ISCJB XI 13 15 02 38.3–.78 44.63N–.05 149.34E–.07 48–7 4.0b,3.6s
MOS XI 13 15 02 39.7–1.0 44.68N 149.20E 60 4.4b,3.6s
JMA XI 13 15 02 39.3–.80 44.78N 149.25E 30 4.2,3.6s
NEIC XI 13 15 02 41.4–.94 44.74N 149.32E 57–7 4.5b,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ65.00000°,λ72.00000°. NP2: ϕ_s226.00000°,δ30.00000°,λ124.00000°. $M_0$8.85000×10^{14}
IDC Error ellipse: s-maj=20.5km s-min=15.2km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.2km az=44.7.
MOS Error ellipse: s-maj=11.4km s-min=9.1km az=72.7.
JMA Error ellipse: s-maj=5.6km s-min=7.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.7km az=149.0.
ISC XI 13 19 32 00.5–.74 44.53N–.05 149.02E–.07 50–6 4.0b 153 1-151
NIED XI 13 19 31 00 44.70N 148.90E 35 4.0W **¶13400066**
BJI XI 13 19 31 50.9 44.07N 149.82E 30 4.8b,4.5b
ISCJB XI 13 19 31 58.5–.84 44.53N–.04 149.04E–.08 50–6 4.0b,4.5b
SKHL XI 13 19 31 58.6–1.3 44.58N 149.20E 53–19 5.1b,4.5b
MOS XI 13 19 31 58.7–.91 44.66N 149.02E 49 4.2b,4.5b
JMA XI 13 19 31 59.8–.60 44.74N 148.93E 30 4.6,4.5b
NEIC XI 13 19 32 02.2–.76 44.71N 148.93E 63–6 4.4b,4.5b
IDC XI 13 19 32 03.0–3.9 44.73N 148.96E 70–34 3.8,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s357.00000°,δ69.00000°,λ75.00000°. NP2:ϕ_s213.00000°,δ26.00000°,λ123.00000°. $M_0$1.22000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.5km az=28.6.
MOS Error ellipse: s-maj=11.2km s-min=9.4km az=90.2.
JMA Error ellipse: s-maj=3.3km s-min=5.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.9km az=145.0.
IDC Error ellipse: s-maj=19.9km s-min=14.7km az=144.0.
ISC XI 14 06 31 56.0–1.2 46.9N–.10 152.8E–.20 67–9 3.9b 52 4-78
IDC XI 14 06 31 44.8–2.3 46.46N 152.78E 0 4.2,4.0b **¶13400127**
NEIC XI 14 06 31 50.7–1.2 46.55N 152.95E 35 3.7b,4.0b
ISCJB XI 14 06 31 53.8–1.3 46.9N–.10 152.9E–.20 64–10 4.0b,4.0b
MOS XI 14 06 31 55.6–1.1 46.64N 152.93E 91 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=56.6km s-min=22.7km az=0.0.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=14.2km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=8.4km az=136.9.
MOS Error ellipse: s-maj=19.0km s-min=11.4km az=67.0.
JMA XI 14 15 28 51.4–.40 43.79N 147.78E 0 3.5
¶14121969

JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISC XI 14 18 19 11.2–.61 50.12N–.07 155.3E–.10 130–5 3.7b 120 1-89
KRSC XI 14 18 19 07.5–1.0 49.59N 156.50E 117–117 4.4L **¶12073544**
MOS XI 14 18 19 09.8–1.0 50.18N 155.25E 134 3.8b
IDC XI 14 18 19 09.5–.78 50.07N 155.19E 114–6 3.8,3.7
ISCJB XI 14 18 19 10.1–.61 50.13N–.07 155.3E–.10 136–5 3.7b,3.7
NEIC XI 14 18 19 10.0–.42 50.12N 155.15E 118 4.3b,3.7
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=15.7km s-min=7.1km az=67.2.
IDC Error ellipse: s-maj=15.5km s-min=11.5km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=7.1km az=138.8.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.3km az=150.0.
ISC XI 16 14 54 23.1–.58 47.40N–.09 153.3E–.10 57 3.7b 57 4-78
ISCJB XI 16 14 54 20.7–.60 47.38N–.09 153.3E–.10 55 3.7b **¶12073758**
NEIC XI 16 14 54 22.7–.77 47.37N 153.40E 55 4.2b
IDC XI 16 14 54 22.2–.63 47.41N 153.15E 55–6 3.6,3.5
MOS XI 16 14 54 24.7–1.9 47.44N 153.14E 95 3.9b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=5.8km az=138.1.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=9.9km az=138.0.
IDC Error ellipse: s-maj=21.7km s-min=14.9km az=122.0.
MOS Error ellipse: s-maj=18.9km s-min=8.7km az=60.5.
KRSC XI 16 21 28 18.8–.80 50.30N 156.77E 5–5 3.9L
¶12835526

KRSC Event type se.
ISC XI 17 03 56 00.4–.72 43.26N–.05 146.50E–.06 52–5 4.2b 132 1-93
NIED XI 17 03 55 00 43.20N 146.50E 53 3.9W **¶12073815**
MOS XI 17 03 55 59.9–1.2 43.26N 146.45E 66 4.8b
ISCJB XI 17 03 55 59.4–.68 43.26N–.05 146.50E–.06 60–4 4.2b
JMA XI 17 03 55 59.4–.10 43.17N 146.48E 49–1 4.2
SKHL XI 17 03 56 00.5–.70 43.23N 146.57E 41–3 5.3b
NEIC XI 17 03 56 02.1–1.1 43.28N 146.43E 67–9 4.6b
IDC XI 17 03 56 02.2–3.2 43.29N 146.40E 68–29 4.0,4.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ75.00000°,λ90.00000°. NP2:ϕ_s207.00000°,δ15.00000°,λ92.00000°. $M_0$8.89000×10^{14}
MOS Event type fe. Error ellipse: s-maj=12.3km s-min=8.0km az=99.5. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.1km az=141.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.2km az=159.0.
IDC Error ellipse: s-maj=17.4km s-min=13.3km az=163.0.
KRSC XI 18 03 39 43.1–1.0 49.61N 156.32E 11–10 4.3L
MOS XI 18 03 39 47.4–.42 50.45N 155.01E 62 4.4b **¶12835528**
KRSC Event type se.
MOS Error ellipse: s-maj=99.9km s-min=17.8km az=58.2.
IDC XI 19 07 38 09.7–14 46.44N 152.91E 0 3.7,3.4b
¶12074120

IDC Error ellipse: s-maj=414.1km s-min=62.1km az=91.0.
ISC XI 19 11 29 21.7–.80 43.18N–.09 147.59E–.07 35 3.5b 39 1-64
NIED XI 19 11 29 00 43.20N 147.50E 32 3.8W **¶11750842**
IDC XI 19 11 29 15.9–1.4 43.01N 147.80E 0 3.6,3.5b
ISCJB XI 19 11 29 19.8–.80 43.13N–.08 147.62E–.06 33 3.5b,3.5b
MOS XI 19 11 29 20.4–1.1 43.13N 147.65E 47 3.8b,3.5b
JMA XI 19 11 29 20.2–.30 43.16N 147.54E 29 3.9,3.5b
NEIC XI 19 11 29 21.9–2.8 43.07N 147.73E 44–26 3.9,3.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s70.00000°,δ89.00000°,λ170.00000°. NP2:ϕ_s160.00000°,δ80.00000°,λ1.00000°. $M_0$6.43000×10^{14}
IDC Error ellipse: s-maj=34.4km s-min=24.6km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=6.6km az=176.2.
MOS Error ellipse: s-maj=27.1km s-min=21.2km az=25.7.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=20.0km az=138.0.
ISC XI 19 22 40 24.2–1.4 46.7N–.20 152.5E–.10 79–15 3.7b 30 7-83
ISCJB XI 19 22 40 22.5–1.7 46.7N–.20 152.4E–.10 78–18 3.7b **¶13400641**
NEIC XI 19 22 40 24.2–1.1 46.71N 152.47E 80–12 3.9b
IDC XI 19 22 40 24.6–3.6 46.73N 152.52E 81–32 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.6km s-min=13.7km az=157.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=9.4km az=157.0.
IDC Error ellipse: s-maj=26.3km s-min=20.1km az=158.0.
ISC XI 21 08 32 54.0–.87 43.95N–.09 147.3E–.10 80–8 4.0b 45 1-82
NIED XI 21 08 32 00 43.90N 147.20E 130 5.1W **¶11750972**
MOS XI 21 08 32 47.6–1.1 43.48N 147.85E 46 4.4b
ISCJB XI 21 08 32 53.0–.84 43.95N–.09 147.3E–.10 88–8 4.0b
SKHL XI 21 08 32 54.6–.60 43.84N 147.42E 50–10 5.6b
JMA XI 21 08 32 54.8–.20 43.88N 147.20E 83–4 3.9
IDC XI 21 08 32 57.9–3.6 44.16N 146.93E 120–40 4.3s,4.3
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s63.00000°,δ89.00000°,λ48.00000°. NP2:ϕ_s332.00000°,δ42.00000°,λ179.00000°. $M_0$4.79000×10^{16}
MOS Error ellipse: s-maj=29.0km s-min=23.0km az=92.5.
ISCJB Error ellipse: s-maj=18.2km s-min=6.2km az=138.4.
JMA Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=58.9km s-min=38.3km az=179.0.
ISC XI 21 12 30 18.1–.44 49.36N–.06 153.91E–.08 137–4 4.3b 153 2-148
SKHL XI 21 12 30 12.5–2.5 48.31N 155.71E 140–9 6.1s,5.2b **¶11528397**
MOS XI 21 12 30 16.4–1.1 49.44N 153.89E 138 4.1b,5.2b
ISCJB XI 21 12 30 17.0–.46 49.36N–.06 153.92E–.08 144–4 4.3b,5.2b
KRSC XI 21 12 30 16.6–2.2 48.92N 155.37E 183–83 4.8L,5.2b
IDC XI 21 12 30 19.6–.73 49.40N 153.86E 150–6 3.9,3.9
NEIC XI 21 12 30 20.1–.78 49.42N 153.90E 154–7 4.5b,3.9
ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=6.5km az=62.8.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=4.5km az=138.6.
KRSC Event type se.
IDC Error ellipse: s-maj=13.1km s-min=7.6km az=147.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.4km az=151.0.
JMA XI 22 16 43 58.1–.60 44.58N 149.03E 30 3.5
¶14124675

JMA Error ellipse: s-maj=6.7km s-min=5.5km az=-1.0.
ISC XI 23 13 58 38.8–.81 44.41N–.05 148.19E–.08 59–8 3.6b 85 1-82
NIED XI 23 13 58 00 44.00N 148.00E 41 3.7W **¶11751094**
ISCJB XI 23 13 58 37.6–.81 44.42N–.05 148.16E–.08 66–7 3.6b
JMA XI 23 13 58 37.3–.30 44.04N 148.02E 0 4.7
SKHL XI 23 13 58 37.4–1.3 44.43N 148.38E 56–23 4.9b
MOS XI 23 13 58 37.5–1.1 44.45N 148.11E 67 4.6b
NEIC XI 23 13 58 39.7–.97 44.42N 148.14E 69–9 3.9b
IDC XI 23 13 58 40.7–3.0 44.50N 148.16E 75–26 3.6,3.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s342.00000°,δ81.00000°,λ57.00000°. NP2:ϕ_s239.00000°,δ34.00000°,λ164.00000°. $M_0$3.74000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=5.6km az=37.8.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
MOS Error ellipse: s-maj=14.1km s-min=10.4km az=48.6.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=8.0km az=129.0.
IDC Error ellipse: s-maj=22.2km s-min=16.7km az=125.0.
ISC XI 25 09 04 19.8–1.0 45.2N–.10 149.5E–.10 180–9 4.0b 55 3-151
ISCJB XI 25 09 04 19.2–.97 45.2N–.10 149.4E–.10 188–8 4.0b **¶12074772**
IDC XI 25 09 04 19.2–3.2 46.09N 149.16E 164–31 3.3,3.2
NEIC XI 25 09 04 19.5–1.7 46.05N 149.19E 165–16 4.3b,3.2
JMA XI 25 09 04 19.5–.50 45.31N 149.43E 159 3.6,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.4km s-min=9.4km az=144.0.
IDC Error ellipse: s-maj=33.5km s-min=17.1km az=132.0.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=11.7km az=138.0.
JMA Error ellipse: s-maj=5.6km s-min=5.5km az=-1.0.
ISC XI 25 15 33 09.8–1.3 47.2N–.10 153.1E–.20 44–12 3.8b 35 4-79
ISCJB XI 25 15 33 06.8–1.7 47.2N–.10 153.1E–.20 36–15 3.8b **¶12074788**
MOS XI 25 15 33 08.2–1.7 47.20N 152.99E 49 4.0b
IDC XI 25 15 33 12.1–4.5 47.28N 153.28E 67–41 3.8,3.6b
NEIC XI 25 15 33 12.1–1.5 47.31N 153.22E 67–14 3.5b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=12.0km az=37.9.
MOS Error ellipse: s-maj=33.3km s-min=11.1km az=70.2.
IDC Error ellipse: s-maj=32.6km s-min=21.2km az=118.0.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=12.8km az=116.0.
KRSC XI 25 18 30 00.2–1.1 50.93N 157.44E 111–111 3.6L
¶12835539

KRSC Event type se.
ISC XI 27 03 30 52.0–.68 47.06N–.07 152.78E–.09 66–5 4.2b 141 4-149
NIED XI 27 03 30 00 47.10N 153.00E 35 4.2W **¶13401229**
MOS XI 27 03 30 47.8–1.0 47.19N 152.61E 40 4.2b
SKHL XI 27 03 30 50.1–1.5 46.77N 153.03E 76–13 4.9b
ISCJB XI 27 03 30 50.2–.76 47.08N–.07 152.74E–.09 66–6 4.2b
NEIC XI 27 03 30 52.4–.75 47.02N 152.74E 73–6 4.4b
BJI XI 27 03 30 53.3 47.00N 152.50E 59 4.7b,4.5b
IDC XI 27 03 30 53.1–2.5 47.05N 152.65E 77–22 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s312.00000°,δ80.00000°,λ33.00000°. NP2:ϕ_s216.00000°,δ58.00000°,λ168.00000°. $M_0$2.11000×10^{15}
MOS Error ellipse: s-maj=13.5km s-min=9.2km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=4.9km az=140.6.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.6km az=146.0.
IDC Error ellipse: s-maj=15.9km s-min=11.1km az=153.0.
KRSC XI 27 07 31 52.3–1.2 50.84N 156.12E 208–41 4.0L
¶12835543

KRSC Event type se.
ISC XI 27 19 29 55.1–1.3 48.3N–.20 153.4E–.20 113–10 3.6b 34 3-77
ISCJB XI 27 19 29 53.9–1.4 48.3N–.20 153.3E–.20 119–11 3.6b **¶12075069**
MOS XI 27 19 29 53.8–1.0 48.35N 153.29E 117 3.9b
IDC XI 27 19 29 54.6–3.6 48.38N 153.29E 104–41 3.6,3.4
NEIC XI 27 19 29 55.2–1.4 48.19N 153.38E 118–11 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.6km s-min=11.8km az=150.6.
MOS Error ellipse: s-maj=29.4km s-min=15.9km az=60.8.
IDC Error ellipse: s-maj=57.7km s-min=18.4km az=176.0.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=10.8km az=155.0.
IDC XI 28 06 12 16.6–1.4 48.88N 151.53E 0 3.6,3.4b
¶12075118
IDC Error ellipse: s-maj=40.4km s-min=32.1km az=116.0.
ISC XI 28 07 59 39.3–.84 48.10N–.03 155.03E–.02 21–6 5.0b,4.7s 823 3-156
NIED XI 28 07 59 00 47.90N 155.70E 11 5.0W,4.7s **¶13401352**
IDC XI 28 07 59 35.6–.54 48.09N 154.95E 0 4.7,4.6
ISCJB XI 28 07 59 35.1–.90 48.03N–.03 155.10E–.02 8–5 5.0b,4.7s
BJI XI 28 07 59 37.5 48.28N 155.18E 32 5.0b,4.9s
SKHL XI 28 07 59 39.0–.70 47.89N 155.52E 54–17 5.9b,5.3s
MOS XI 28 07 59 40.0–1.1 48.16N 155.05E 38 5.1b,4.5s
NEIC XI 28 07 59 40.1–1.6 48.10N 155.00E 28–11 4.9b,4.5s
GCMT XI 28 07 59 44.6–.20 48.10N 155.42E 26–0 5.1W,4.5s
SZGRF XI 28 08 00 04.0 51.18N 152.99E 48 5.4b,4.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s55.00000°,δ53.00000°,λ119.00000°. NP2:ϕ_s192.00000°,δ45.00000°,λ57.00000°. $M_0$3.43000×10^{16}
IDC Error ellipse: s-maj=16.4km s-min=10.1km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.1km az=162.8.
MOS Error ellipse: s-maj=7.3km s-min=4.9km az=93.8.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=3.6km az=156.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c73; s82,c139; Moment tensor: Scale 10^{16}Nm; M_{rr}4.55±.18 $M_{\theta\theta}$-1.17±.11; $M_{\phi\phi}$-3.38±.12; $M_{r\theta}$1.92±.23; $M_{\theta\phi}$-2.28±.07; $M_{\phi r}$2.30±.21; Best double couple: NP1:ϕ_s207.00000°,δ29.00000°,λ82.00000°. NP2:ϕ_s36.00000°,δ61.00000°,λ94.00000°. Principal axes: T 5.4400,Plg73.0000° ,Azm317.0000°; N 0.2300,Plg4.0000°,Azm214.0000°; P -5.6700,Plg16.0000°,Azm123.0000° $M_0$5.60000×10^{16}
SZGRF Northwest of Kuril Islands, Russia.
ISC XI 28 08 05 59.8–.94 48.19N–.07 155.0E–.10 55–8 3.9b 72 3-78
MOS XI 28 08 05 56.8–1.2 48.17N 154.97E 48 4.2b **¶12075126**
ISCJB XI 28 08 05 58.0–1.1 48.17N–.07 155.0E–.10 56–9 3.9b
NEIC XI 28 08 05 57.8–.51 48.20N 154.95E 35 4.7b
IDC XI 28 08 05 59.5–3.1 48.17N 154.94E 55–28 3.8L,3.7
ISC Event type se.
MOS Error ellipse: s-maj=14.7km s-min=8.8km az=62.9.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=6.4km az=44.5.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=8.9km az=147.0.
IDC Error ellipse: s-maj=21.0km s-min=13.7km az=143.0.
ISC XI 28 09 28 38.8–1.6 44.1N–.20 149.1E–.20 48–17 4.0b 38 3-81
JMA XI 28 09 28 34.8–.60 44.38N 149.31E 30 3.9 **¶12075131**
ISCJB XI 28 09 28 37.4–1.6 44.0N–.20 149.1E–.10 55–16 4.0b
IDC XI 28 09 28 41.8–4.5 44.30N 149.03E 70–43 3.7,3.5b
NEIC XI 28 09 28 42.9–2.1 44.60N 149.02E 65–22 4.1b,3.5b
ISC Event type se.
JMA Error ellipse: s-maj=4.4km s-min=4.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=37.1km s-min=15.4km az=164.3.
IDC Error ellipse: s-maj=85.1km s-min=25.4km az=176.0.
NEIC Event type se. Error ellipse: s-maj=53.8km s-min=15.3km az=175.0.
ISC XI 28 15 36 17.4–1.0 44.05N–.07 149.00E–.10 59–8 3.7b 62 1-81
JMA XI 28 15 36 12.6–.60 44.39N 149.26E 30 3.8 **¶12075155**
ISCJB XI 28 15 36 15.5–1.1 44.01N–.07 149.02E–.10 62–9 3.7b
MOS XI 28 15 36 16.8–1.4 44.15N 148.95E 70 4.1b
IDC XI 28 15 36 20.8–4.0 44.29N 148.95E 81–28 3.5,3.3b
NEIC XI 28 15 36 20.1–2.4 44.15N 148.97E 83–12 4.2b,3.3b
ISC Event type se.
JMA Error ellipse: s-maj=4.4km s-min=5.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=7.3km az=135.7.
MOS Error ellipse: s-maj=16.2km s-min=13.8km az=44.0.
IDC Error ellipse: s-maj=63.5km s-min=20.3km az=167.0.
NEIC Event type se. Error ellipse: s-maj=38.2km s-min=11.3km az=161.0.
ISC XI 29 06 54 07.8–1.1 48.4N–.10 155.3E–.20 43–12 3.9b 44 2-75
IDC XI 29 06 54 02.0–.91 48.37N 155.11E 0 4.3,4.1L **¶12075230**
ISCJB XI 29 06 54 03.7–2.6 48.33N–.08 155.4E–.10 26–20 3.9b,4.1L
MOS XI 29 06 54 04.7–1.1 48.31N 155.33E 38 4.2b,4.1L
NEIC XI 29 06 54 05.5–3.6 48.26N 155.41E 26–28 4.2b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=50.2km s-min=14.8km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=6.0km az=135.0.
MOS Error ellipse: s-maj=18.1km s-min=9.5km az=53.8.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=7.3km az=140.0.
ISC XII 01 13 29 37.8–1.1 47.7N–.20 152.7E–.20 131–12 3.2b 31 4-77
ISCJB XII 01 13 29 36.5–1.2 47.7N–.20 152.8E–.20 136–13 3.2b **¶12075414**
MOS XII 01 13 29 36.7–.45 47.66N 152.74E 138 3.6b
IDC XII 01 13 29 38.0–3.1 47.71N 152.76E 134–32 3.3,3.0b
NEIC XII 01 13 29 37.7–.87 47.68N 152.73E 132–9 3.3,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.3km s-min=9.6km az=138.9.
MOS Error ellipse: s-maj=33.4km s-min=12.4km az=55.8.
IDC Error ellipse: s-maj=53.5km s-min=17.8km az=143.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=6.9km az=138.0.
ISC XII 01 14 27 05.4–.48 49.74N–.06 154.52E–.09 128–4 4.0b 136 1-82
KRSC XII 01 14 27 03.5–1.8 49.06N 156.97E 10–10 4.7L **¶12075419**
ISCJB XII 01 14 27 04.2–.50 49.75N–.06 154.54E–.09 134–5 3.9b
MOS XII 01 14 27 05.0–1.2 49.86N 154.50E 139 3.9b
IDC XII 01 14 27 05.6–.86 50.01N 154.32E 117–7 3.8,3.8
NEIC XII 01 14 27 05.5–.50 49.80N 154.43E 127 4.2b,3.8
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=5.0km az=137.7.
MOS Error ellipse: s-maj=12.0km s-min=6.7km az=69.7.
IDC Error ellipse: s-maj=19.8km s-min=10.0km az=160.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=6.4km az=142.0.
JMA XII 02 02 52 57.9–.40 44.04N 148.10E 0 3.8
¶15512035
JMA Error ellipse: s-maj=4.4km s-min=3.2km az=-1.0.
ISC XII 02 14 40 18.8–.72 50.90N–.06 157.3E–.10 68–6 3.7b 82 1-77
ISCJB XII 02 14 40 17.6–.71 50.89N–.06 157.3E–.10 76–6 3.7b **¶12075511**
MOS XII 02 14 40 17.2–1.1 51.00N 157.17E 73 4.1b
IDC XII 02 14 40 17.7–.69 51.06N 157.11E 57–6 3.8,3.5b
KRSC XII 02 14 40 18.6–.90 50.87N 158.11E 38–42 4.7L,3.5b
NEIC XII 02 14 40 18.1–.52 50.94N 157.14E 60 4.2b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=5.3km az=40.5.
MOS Error ellipse: s-maj=21.8km s-min=8.4km az=71.0.
IDC Error ellipse: s-maj=23.8km s-min=14.1km az=146.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.5km az=130.0.
ISC XII 03 05 22 15.1–1.5 46.6N–.10 152.2E–.20 83–16 3.5b 40 3-78
MOS XII 03 05 22 08.8–1.7 46.95N 152.73E 35 4.4b **¶12075592**
IDC XII 03 05 22 16.0–4.8 46.75N 152.61E 89–45 3.6,3.4
MOS Error ellipse: s-maj=17.7km s-min=12.5km az=66.7.
IDC Error ellipse: s-maj=30.6km s-min=27.6km az=164.0.
ISC XII 03 21 37 41.0–1.2 48.4N–.10 154.7E–.20 55–12 3.6b 41 2-76
MOS XII 03 21 37 38.1–1.7 48.37N 154.70E 45 3.9b **¶12075649**
ISCJB XII 03 21 37 39.2–1.5 48.4N–.10 154.8E–.20 56–14 3.6b
NEIC XII 03 21 37 41.8–1.1 48.48N 154.72E 64–10 3.8b
IDC XII 03 21 37 41.4–3.6 48.45N 154.74E 60–34 3.6,3.4L
ISC Event type se.
MOS Error ellipse: s-maj=24.0km s-min=9.9km az=58.7.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=7.8km az=43.3.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=6.9km az=138.0.

IDC Error ellipse: s-maj=41.8km s-min=16.8km az=143.0.
KRSC XII 04 10 01 49.0–1.6 50.33N 156.82E 5–5 3.8L
¶12835557
KRSC Event type se.
JMA XII 04 16 23 56.6–.70 45.43N 149.95E 30 4.0
¶15512971
JMA Error ellipse: s-maj=6.7km s-min=7.0km az=-1.0.
ISC XII 05 16 34 12.8–1.2 48.51N–.10 154.8E–.10 63–9 4.1b 79 2-147
ISCJB XII 05 16 34 11.2–1.3 48.50N–.10 154.8E–.10 66–10 4.0b **¶11527583**
MOS XII 05 16 34 11.6–1.2 48.62N 154.69E 68 4.1b
IDC XII 05 16 34 12.9–2.9 48.45N 154.83E 66–26 3.8L,3.7
NEIC XII 05 16 34 12.6–1.1 48.54N 154.83E 64–9 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=8.4km az=137.9.
MOS Error ellipse: s-maj=16.9km s-min=9.6km az=70.2.
IDC Error ellipse: s-maj=20.7km s-min=14.7km az=123.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=6.9km az=142.0.
ISC XII 07 07 29 08.8–.26 45.07N–.04 149.57E–.04 65 4.5b 204 1-151
ISCJB XII 07 07 29 06.6–.27 45.05N–.04 149.57E–.04 63 4.5b **¶11493371**
BJI XII 07 07 29 07.0 45.10N 149.79E 87 5.2b,4.7b
JMA XII 07 07 29 07.6–.50 45.24N 149.64E 30 5.1,4.7b
NEIC XII 07 07 29 08.7–.32 45.09N 149.53E 64 4.6b,4.7b
MOS XII 07 07 29 08.8–1.2 45.04N 149.51E 86 4.7b,4.7b
IDC XII 07 07 29 08.6–.63 45.20N 149.38E 61–5 4.0,3.9
SKHL XII 07 07 29 09.3–1.7 45.02N 149.62E 75–14 4.9b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=2.7km az=147.7.
JMA Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.8km az=151.0.
MOS Error ellipse: s-maj=9.0km s-min=7.3km az=50.2.
IDC Error ellipse: s-maj=15.8km s-min=11.2km az=142.0.
ISC XII 07 23 11 29.5–.43 47.74N–.04 152.85E–.05 114–4 4.6b 323 4-148
SKHL XII 07 23 11 24.3–.60 46.94N 153.97E 108–13 6.1s,5.5b **¶13402200**
BJI XII 07 23 11 28.0 47.64N 153.08E 131 4.9b,4.7b
ISCJB XII 07 23 11 28.1–.48 47.71N–.04 152.86E–.05 117–4 4.6b,4.7b
MOS XII 07 23 11 29.2–.95 47.78N 152.81E 124 4.6b,4.7b
NEIC XII 07 23 11 30.9–.63 47.82N 152.82E 126–5 4.7b,4.7b
IDC XII 07 23 11 30.7–1.9 47.89N 152.74E 122–16 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.0km az=145.7.
MOS Error ellipse: s-maj=8.1km s-min=6.1km az=85.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.8km az=154.0.
IDC Error ellipse: s-maj=12.9km s-min=9.0km az=158.0.
ISC XII 08 10 32 17.3–.80 46.16N–.08 152.87E–.09 36–6 4.4b,3.5s 135 4-148
NIED XII 08 10 32 00 46.50N 153.00E 8 4.1W,3.5s **¶13402234**
ISCJB XII 08 10 32 15.2–.90 46.11N–.07 152.84E–.09 37–7 4.4b,3.5s
MOS XII 08 10 32 16.7–.94 46.26N 152.80E 51 4.3b,3.5s
NEIC XII 08 10 32 18.0–1.1 46.24N 152.90E 43–9 4.8b,3.5s
IDC XII 08 10 32 18.1–2.7 46.23N 152.85E 44–24 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ49.00000°,λ114.00000°. NP2:ϕ_s359.00000°,δ46.00000°,λ65.00000°. $M_0$1.48000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=5.5km az=139.6.
MOS Error ellipse: s-maj=11.6km s-min=9.5km az=73.1.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.0km az=144.0.
IDC Error ellipse: s-maj=17.2km s-min=14.5km az=129.0.
ISC XII 11 02 02 27.4–2.2 46.5N–.30 153.0E–.20 41–20 3.5b 16 4-78
NIED XII 11 02 02 00 46.60N 153.20E 65 4.3W **¶11751654**
ISCJB XII 11 02 02 24.8–2.5 46.5N–.20 153.0E–.20 34–22 3.5b
MOS XII 11 02 02 25.9–.20 46.58N 152.80E 47 3.7b
IDC XII 11 02 02 27.8–3.9 46.47N 152.97E 46–34 3.7,3.6L
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s257.00000°,δ86.00000°,λ89.00000°. NP2:ϕ_s87.00000°,δ4.00000°,λ99.00000°. $M_0$2.92000×10^{15}
ISCJB Error ellipse: s-maj=48.0km s-min=11.9km az=147.4.
MOS Error ellipse: s-maj=42.6km s-min=21.1km az=50.0.
IDC Error ellipse: s-maj=59.4km s-min=23.6km az=160.0.
IDC XII 11 06 53 11.0–1.1 46.77N 152.61E 0 3.8,3.6b
¶13402466
IDC Error ellipse: s-maj=31.2km s-min=25.7km az=150.0.
ISC XII 11 20 56 43.9–1.3 46.4N–.10 153.0E–.10 42–11 3.7b 42 4-78
ISCJB XII 11 20 56 41.5–1.5 46.4N–.10 153.0E–.10 39–12 3.7b **¶12076995**
MOS XII 11 20 56 41.2–1.7 46.35N 153.12E 39 4.8b
NEIC XII 11 20 56 43.2–1.0 46.46N 153.05E 35 3.8b
IDC XII 11 20 56 46.8–5.3 46.62N 153.01E 63–43 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.2km s-min=8.7km az=147.7.
MOS Error ellipse: s-maj=16.3km s-min=11.1km az=78.8.
NEIC Event type se. Error ellipse: s-maj=28.0km s-min=13.5km az=160.0.
IDC Error ellipse: s-maj=41.1km s-min=15.9km az=169.0.
JMA XII 13 12 24 39.6–1.0 44.85N 149.36E 30 4.0
NIED XII 13 12 24 00 44.90N 149.40E 47 3.6W **¶11751683**
JMA Error ellipse: s-maj=6.7km s-min=7.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ54.00000°,λ88.00000°. NP2: ϕ_s191.00000°,δ36.00000°,λ93.00000°. $M_0$3.23000×10^{14}
ISC XII 13 12 55 22.8–.59 44.69N–.04 149.35E–.06 46–4 4.6b,3.6s 335 1-151
NIED XII 13 12 55 00 44.80N 149.40E 41 4.2W,3.6s **¶13402638**
IDC XII 13 12 55 16.3–.60 44.81N 149.29E 0 4.3,4.3
ISCJB XII 13 12 55 20.9–.66 44.61N–.04 149.38E–.06 46–5 4.6b,3.6s
SKHL XII 13 12 55 20.9–1.3 44.72N 149.51E 44–2 5.0b,3.6s
MOS XII 13 12 55 21.8–.68 44.72N 149.28E 49 4.9b,3.6s
JMA XII 13 12 55 21.4–.50 44.82N 149.35E 30 5.0,3.6s
BJI XII 13 12 55 22.8 44.79N 149.36E 69 4.9b,4.7b
NEIC XII 13 12 55 22.6–.79 44.76N 149.35E 44–6 4.7b,4.7b
SZGRF XII 13 12 55 33.9 46.83N 148.97E 33 5.0b,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ65.00000°,λ79.00000°. NP2:ϕ_s216.00000°,δ27.00000°,λ113.00000°. $M_0$2.12000×10^{15}
IDC Error ellipse: s-maj=17.3km s-min=14.5km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.3km az=140.9.
MOS Error ellipse: s-maj=9.5km s-min=6.7km az=119.8.
JMA Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.3km az=142.0.
SZGRF Northwest of Kuril Islands, Russia.
ISC XII 14 16 09 33.9–.97 43.59N–.07 146.64E–.09 50–7 3.7b 48 1-78
NIED XII 14 16 09 00 43.50N 146.60E 56 3.7W **¶11751695**
ISCJB XII 14 16 09 33.1–.94 43.60N–.07 146.63E–.09 59–6 3.7b
MOS XII 14 16 09 34.3–1.5 43.76N 146.55E 64 3.9b
JMA XII 14 16 09 34.2–.20 43.53N 146.58E 49–2 4.0
NEIC XII 14 16 09 39.3–2.3 44.74N 146.26E 45–29 4.0
IDC XII 14 16 09 39.7–3.8 44.67N 146.27E 52–54 3.6,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ60.00000°,λ78.00000°. NP2:ϕ_s240.00000°,δ32.00000°,λ109.00000°. $M_0$4.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=15.4km s-min=6.4km az=138.3.
MOS Error ellipse: s-maj=17.7km s-min=14.2km az=103.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=33.9km s-min=18.5km az=173.0.
IDC Error ellipse: s-maj=79.1km s-min=25.4km az=169.0.
IDC XII 15 02 09 55.2–11 46.98N 152.29E 0 4.0,3.9b
¶12077521
IDC Error ellipse: s-maj=293.2km s-min=36.4km az=167.0.
JMA XII 15 17 52 27.4–.90 44.91N 149.07E 30 3.8
¶15516718
JMA Error ellipse: s-maj=6.7km s-min=8.7km az=-1.0.
ISC XII 16 11 31 02.1–.81 46.69N–.07 152.7E–.10 70–7 3.7b 99 4-115
SKHL XII 16 11 30 51.9–.60 46.68N 153.88E 54–15 5.1b,3.7s **¶13402929**
JMA XII 16 11 30 57.6–.80 46.74N 153.06E 30 4.6,3.7s
MOS XII 16 11 30 58.5–1.4 46.88N 152.92E 49 4.3b,3.7s
ISCJB XII 16 11 30 59.8–.95 46.69N–.07 152.8E–.10 67–8 3.7b,3.7s
IDC XII 16 11 31 02.9–2.9 46.86N 152.78E 75–25 3.7,3.7
NEIC XII 16 11 31 04.2–1.3 46.94N 152.84E 86–11 4.1b,3.7

ISC Event type se.
JMA Error ellipse: s-maj=10.0km s-min=9.1km az=-1.0.
MOS Error ellipse: s-maj=14.3km s-min=10.8km az=54.1.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=6.7km az=41.7.
IDC Error ellipse: s-maj=18.6km s-min=13.5km az=153.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.5km az=139.0.

ISC	**XII**	**20 09 59 47.2–.67**	**48.71N–.07**	**154.61E–.09**	**62–7**	**4.0b**	**93**	**2-129**
MOS	XII	20 09 59 45.0–1.1	48.63N	154.74E	61	4.1b		¶12078308
ISCJB	XII	20 09 59 45.2–.78	48.68N–.08	154.7E–.10	61–8	4.0b		
NEIC	XII	20 09 59 47.3–.89	48.62N	154.69E	66–9	3.9b		
IDC	XII	20 09 59 47.3–3.1	48.65N	154.51E	62–27	3.9,3.8		
KRSC	XII	20 09 59 49.0–2.6	49.58N	153.84E	5–5	4.6L,3.8		
SKHL	XII	20 09 59 53.4–4.1	48.62N	154.03E	62–16	4.9b,3.8		

ISC Event type se.
MOS Error ellipse: s-maj=17.2km s-min=7.2km az=56.1.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=5.1km az=139.4.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=6.6km az=141.0.
IDC Error ellipse: s-maj=19.9km s-min=11.8km az=150.0.
KRSC Event type se.

JMA	**XII**	**20 20 12 02.9–.20**	**43.47N**	**147.85E**	**14**	**3.5**		
								¶15518565

JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.

ISC	**XII**	**21 12 00 34.1–1.2**	**48.5N–.10**	**154.3E–.20**	**84–9**	**3.5b**	**39**	**2-133**
ISCJB	XII	21 12 00 32.8–1.3	48.6N–.10	154.2E–.20	88–10	3.5b		¶12078454
MOS	XII	21 12 00 33.9–1.1	48.64N	154.10E	93	4.2b		
IDC	XII	21 12 00 35.3–3.0	48.54N	154.21E	93–25	3.4,3.3b		
NEIC	XII	21 12 00 35.6–1.3	48.59N	154.17E	96–10	3.8b,3.3b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.5km s-min=8.4km az=138.8.
MOS Error ellipse: s-maj=21.8km s-min=11.9km az=54.0.
IDC Error ellipse: s-maj=39.2km s-min=16.5km az=152.0.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=9.1km az=146.0.

ISC	**XII**	**21 13 12 28.4–1.2**	**44.7N–.10**	**148.4E–.20**	**90–14**	**3.2b**	**26**	**2-81**
ISCJB	XII	21 13 12 27.0–1.3	44.7N–.10	148.4E–.20	93–17	3.2b		¶12078462
JMA	XII	21 13 12 27.9–.70	44.28N	148.19E	0	4.3		
NEIC	XII	21 13 12 29.4–1.1	44.80N	148.35E	97–11	4.3		
IDC	XII	21 13 12 30.1–3.6	44.89N	148.30E	101–29	3.4,3.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=14.5km az=42.1.
JMA Error ellipse: s-maj=4.4km s-min=5.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=10.3km az=145.0.
IDC Error ellipse: s-maj=63.3km s-min=24.3km az=160.0.

JMA	**XII**	**22 11 16 15.3–.10**	**43.20N**	**146.09E**	**45–1**	**3.5**		
								¶15519113

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

ISC	**XII**	**22 13 25 40.9–.11**	**46.44N–.03**	**152.58E–.02**	**43**	**5.0b,4.4s**	**964**	**4-154**
NIED	XII	22 13 25 00	46.30N	152.90E	59	5.3W,4.4s		¶13403649
ISCJB	XII	22 13 25 38.7–.12	46.39N–.03	152.66E–.02	41	5.0b,4.4s		
MOS	XII	22 13 25 38.9–.88	46.47N	152.69E	41	5.2b,4.4s		
JMA	XII	22 13 25 38.4–.70	46.29N	152.88E	30	5.6,4.4s		
IDC	XII	22 13 25 39.5–3.0	46.47N	152.64E	33–22	4.8L,4.7		
SKHL	XII	22 13 25 39.3–2.0	46.27N	152.84E	40–0	5.6b,5.5s		
BJI	XII	22 13 25 40.7	46.34N	152.64E	53	5.1b,4.7s		
SZGRF	XII	22 13 25 41.1	47.17N	152.06E	33	5.5b,4.6s		
NEIC	XII	22 13 25 41.4–.50	46.52N	152.64E	47–4	5.1b,4.6s		
GCMT	XII	22 13 25 42.4–.20	46.35N	152.83E	40–1	5.2W,4.6s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s88.00000°,δ60.00000°,λ98.00000°. NP2:ϕ_s251.00000°,δ31.00000°,λ76.00000°. $M_0$9.44000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=1.6km az=163.9.
MOS Error ellipse: s-maj=6.7km s-min=4.5km az=97.3.
JMA Error ellipse: s-maj=6.7km s-min=6.9km az=-1.0.
IDC Error ellipse: s-maj=13.9km s-min=10.7km az=147.0.
SZGRF Kuril Islands, Russia.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=2.5km az=161.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s49,c71; s93,c147; Moment tensor: Scale 10^{16}Nm; M_{rr}3.18±.21 $M_{\theta\theta}$-5.23±.15; $M_{\phi\phi}$2.06±.15; $M_{r\theta}$4.10±.21; $M_{\theta\phi}$-1.08±.11; $M_{\phi r}$-2.56±.16; Best double couple: NP1:ϕ_s229.00000°,δ35.00000°,λ31.00000°. NP2:ϕ_s113.00000°,δ73.00000°,λ121.00000°. Principal axes: T 6.5600,Plg52.0000° ,Azm58.0000°; N 0.3500,Plg29.0000°,Azm283.0000°; P -6.9000,Plg22.0000°,Azm180.0000° $M_0$6.70000×10^{16}

ISC	**XII**	**22 13 38 48.4–1.0**	**46.6N–.20**	**152.4E–.20**	**46–10**	**3.7b**	**62**	**5-78**
JMA	XII	22 13 38 45.2–.70	46.51N	152.73E	30	4.3		¶12078568
MOS	XII	22 13 38 45.4–2.6	46.36N	152.79E	39	4.2b		
ISCJB	XII	22 13 38 46.3–1.1	46.7N–.20	152.2E–.20	42–11	3.7b		
NEIC	XII	22 13 38 47.8–.81	46.46N	152.79E	42	3.7b		
IDC	XII	22 13 38 48.7–1.5	46.67N	152.54E	43–7	3.9,3.7		

ISC Event type se.
JMA Error ellipse: s-maj=11.1km s-min=9.2km az=-1.0.
MOS Error ellipse: s-maj=26.2km s-min=9.9km az=56.9.
ISCJB Event type se. Error ellipse: s-maj=33.7km s-min=5.7km az=141.0.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=7.6km az=140.0.
IDC Error ellipse: s-maj=48.4km s-min=17.5km az=149.0.

ISC	**XII**	**24 07 08 51.1–1.2**	**48.5N–.10**	**154.7E–.20**	**54–11**	**3.8b**	**34**	**2-76**
ISCJB	XII	24 07 08 48.9–1.4	48.5N–.10	154.7E–.20	50–14	3.8b		¶12078784
MOS	XII	24 07 08 49.3–.98	48.48N	154.61E	54	4.3b		
IDC	XII	24 07 08 50.9–4.2	48.41N	154.64E	52–38	3.8,3.6		
NEIC	XII	24 07 08 51.3–1.1	48.46N	154.66E	56–9	3.8,3.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=8.6km az=40.9.
MOS Error ellipse: s-maj=26.8km s-min=12.9km az=66.4.
IDC Error ellipse: s-maj=29.1km s-min=24.8km az=145.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=8.0km az=135.0.

ISC	**XII**	**25 11 45 07.5–.36**	**48.46N–.06**	**153.15E–.07**	**152**	**4.2b**	**207**	**3-148**
BJI	XII	25 11 44 58.6	48.53N	154.09E	137	5.0b,4.6b		¶11523398
ISCJB	XII	25 11 45 05.7–.36	48.46N–.06	153.14E–.07	150	4.2b,4.6b		
MOS	XII	25 11 45 05.5–.84	48.47N	153.08E	146	4.6b,4.6b		
NEIC	XII	25 11 45 06.8–.42	48.45N	153.12E	145–3	4.6b,4.6b		
IDC	XII	25 11 45 07.4–.71	48.46N	153.06E	149–5	3.9,3.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=3.6km az=142.4.
MOS Error ellipse: s-maj=10.0km s-min=6.6km az=71.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.0km az=149.0.
IDC Error ellipse: s-maj=15.1km s-min=8.3km az=159.0.

ISC	**XII**	**25 18 12 20.6–1.2**	**46.5N–.20**	**152.6E–.20**	**52–11**	**4.0s,3.7b**	**48**	**5-78**
ISCJB	XII	25 18 12 18.4–1.3	46.5N–.20	152.5E–.20	47–12	4.0s,3.7b		¶12078951
MOS	XII	25 18 12 19.6–.74	46.68N	152.29E	55	4.2b,3.7b		
IDC	XII	25 18 12 20.7–3.8	46.48N	152.50E	54–31	4.0s,4.0		
NEIC	XII	25 18 12 21.8–1.5	46.57N	152.57E	58–12	4.1b,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.3km s-min=6.6km az=139.8.
MOS Error ellipse: s-maj=37.3km s-min=13.1km az=61.5.
IDC Error ellipse: s-maj=55.2km s-min=26.1km az=157.0.
NEIC Event type se. Error ellipse: s-maj=35.6km s-min=9.4km az=139.0.

JMA	**XII**	**26 12 06 06.2–.40**	**43.95N**	**147.84E**	**0**	**4.2**		
								¶15520504

JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.

ISC	**XII**	**27 18 51 13.2–.56**	**46.92N–.05**	**152.84E–.06**	**52–4**	**4.6b,3.9s**	**347**	**4-155**
NIED	XII	27 18 51 00	46.70N	153.20E	20	4.3W,3.9s		¶13404176
IDC	XII	27 18 51 05.8–.59	46.94N	152.85E	0	4.5,4.4		
ISCJB	XII	27 18 51 11.3–.64	46.85N–.05	152.86E–.05	53–5	4.6b,3.9s		
SKHL	XII	27 18 51 11.5–2.2	46.60N	153.21E	57–19	4.9b,3.9s		
MOS	XII	27 18 51 12.1–.88	46.88N	152.78E	58	4.7b,3.9s		
BJI	XII	27 18 51 13.4	46.70N	152.76E	68	4.9b,4.7s		
NEIC	XII	27 18 51 15.8–.81	46.99N	152.83E	76–6	4.8b,4.7s		
SZGRF	XII	27 18 51 21.4	48.86N	152.30E	33	4.7b,4.7s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ90.00000°,λ-42.00000°. NP2:ϕ_s217.00000°,δ48.00000°,λ-179.00000°. $M_0$2.86000×10^{15}
IDC Error ellipse: s-maj=17.5km s-min=13.6km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.3km az=147.2.
MOS Error ellipse: s-maj=8.3km s-min=5.6km az=93.1.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.1km az=152.0.
SZGRF Kuril Islands, Russia.

KRSC	**XII**	**28 00 09 48.2–1.4**	**50.56N**	**157.66E**	**10–10**	**3.7L**		
								¶12835588

KRSC Event type se.

ISC	**XII**	**28 13 31 37.9–.29**	**48.26N–.02**	**154.42E–.02**	**50–2**	**5.5b,4.9s**	**1250**	**3-156**
NIED	XII	28 13 31 00	48.10N	155.30E	26	5.4W,4.9s		¶13404240
JMA	XII	28 13 31 30.5–.70	48.11N	155.32E	30	6.0,4.9s		
DJA	XII	28 13 31 30	48.56N	154.82E	10	5.4b,4.9s		
BGS	XII	28 13 31 31.8–1.8	47.97N	157.09E	40–0	5.8b,4.9s		
ISCJB	XII	28 13 31 34.8–.35	48.19N–.02	154.49E–.02	40–3	5.5b,4.9s		
SKHL	XII	28 13 31 34.6–2.3	47.98N	154.90E	46–4	6.4b,6.1s		
BJI	XII	28 13 31 35.4	48.31N	154.57E	59	5.3b,5.2b		
IDC	XII	28 13 31 35.7–1.6	48.35N	154.32E	34–11	5.3L,5.2		
MOS	XII	28 13 31 35.5–1.1	48.14N	154.63E	64	5.6b,4.9s		
NEIC	XII	28 13 31 36.3–.53	48.28N	154.37E	38–4	5.5b,4.9s		
KRSC	XII	28 13 31 36.7–2.5	48.05N	156.12E	10–10	5.8L,4.9s		
GCMT	XII	28 13 31 39.3–.10	48.19N	154.75E	45–0	5.4W,4.9s		
TEH	XII	28 13 31 40.0	48.38N	154.26E	61	5.4W,4.9s		
SZGRF	XII	28 13 31 40.1	49.66N	152.70E	33	5.8b,5.0s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s236.00000°,δ73.00000°,λ129.00000°. NP2:ϕ_s345.00000°,δ42.00000°,λ26.00000°. $M_0$1.22000×10^{17}
JMA Error ellipse: s-maj=10.0km s-min=8.9km az=-1.0.
BGS Error ellipse: s-maj=214.3km s-min=630.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.1km az=151.3.
IDC Error ellipse: s-maj=12.6km s-min=9.7km az=143.0.
MOS Error ellipse: s-maj=7.6km s-min=5.8km az=64.7.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.1km az=160.0.
KRSC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 110 sta. Moment Tensor Solution. s84,c159; s99,c223; Moment tensor: Scale 10^{17}Nm; M_{rr}1.01±.03 $M_{\theta\theta}$0.55±.02; $M_{\phi\phi}$-1.55±.02; $M_{r\theta}$0.43±.02; $M_{\theta\phi}$-0.38±.02; $M_{\phi r}$0.94±.03; Best double couple: NP1: ϕ_s169.00000°,δ29.00000°,λ58.00000°. NP2:ϕ_s24.00000°,δ65.00000°,λ107.00000°. Principal axes: T 1.4200,Plg65.0000°,Azm324.0000°; N 0.5400,Plg15.0000°,Azm197.0000° ; P -1.9600,Plg19.0000°,Azm102.0000° $M_0$1.70000×10^{17}
SZGRF Northwest of Kuril Islands, Russia.

ISC	**XII**	**28 18 03 40.9–.52**	**48.32N–.04**	**154.37E–.06**	**52–4**	**4.7b,3.7s**	**416**	**3-147**
ISCJB	XII	28 18 03 37.7–.60	48.22N–.04	154.43E–.05	42–5	4.7b,3.7s		¶13404254
KRSC	XII	28 18 03 38.6–2.8	47.95N	156.49E	10–10	4.9L,3.7s		
IDC	XII	28 18 03 38.4–4.0	48.28N	154.36E	33–30	4.4,4.4		
NEIC	XII	28 18 03 38.9–.52	48.23N	154.38E	40–4	5.0b,4.4		
SZGRF	XII	28 18 03 39.7	49.40N	154.29E	33	4.7b,4.4		
SKHL	XII	28 18 03 40.4–1.4	48.07N	154.67E	58–4	5.1b,4.4		
BJI	XII	28 18 03 40.0	48.12N	154.63E	84	5.0b,4.8s		
MOS	XII	28 18 03 41.1–.88	48.18N	154.37E	73	5.0b,4.8s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=3.9km az=140.1.
KRSC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=10.9km az=151.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.3km az=146.0.
SZGRF Kuril Islands, Russia.
MOS Error ellipse: s-maj=8.7km s-min=5.0km az=94.1.

ISC	**XII**	**28 21 40 18.1–.32**	**48.28N–.02**	**154.32E–.03**	**53–2**	**5.5b,4.8s**	**1071**	**3-154**
NIED	XII	28 21 40 00	48.00N	155.20E	35	5.3W,4.8s		¶13404271
BGS	XII	28 21 40 08.9–1.7	47.20N	156.10E	40–0	5.7b,4.8s		
DJA	XII	28 21 40 09	48.30N	154.84E	10	5.4b,4.8s		
BJI	XII	28 21 40 13.5	48.26N	154.69E	46	5.1b,5.1b		
SKHL	XII	28 21 40 14.6–1.2	47.96N	155.07E	95–4	6.6b,6.6s		
ISCJB	XII	28 21 40 15.2–.39	48.21N–.02	154.39E–.03	45–3	5.5b,4.8s		
KRSC	XII	28 21 40 15.7–3.0	47.87N	157.75E	5–5	5.9L,4.8s		
MOS	XII	28 21 40 16.5–1.3	48.27N	154.46E	64	5.6b,4.8s		
IDC	XII	28 21 40 16.8–1.7	48.32N	154.34E	43–14	5.2,5.2		
NEIC	XII	28 21 40 16.8–.47	48.29N	154.29E	42–4	5.6b,5.2W		
SZGRF	XII	28 21 40 17.2	48.97N	153.88E	33	5.6b,5.5s		
GCMT	XII	28 21 40 19.8–.10	48.19N	154.74E	48–0	5.4W,5.5s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s231.00000°,δ67.00000°,λ105.00000°. NP2:ϕ_s18.00000°,δ27.00000°,λ59.00000°. $M_0$1.08000×10^{17}
BGS Error ellipse: s-maj=370.1km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.2km az=150.8.
KRSC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=5.6km az=65.4.
IDC Error ellipse: s-maj=13.3km s-min=10.4km az=145.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=1.9km az=160.0. Moment Tensor Solution. s90 Moment tensor: Scale 10^{16}Nm; M_{rr}8.04 $M_{\theta\theta}$-1.65 $M_{\phi\phi}$-6.39 $M_{r\theta}$3.12 $M_{\theta\phi}$-4.79 $M_{\phi r}$1.15 Best double couple: NP1:ϕ_s46.00000°,δ55.00000°,λ108.00000°. NP2:ϕ_s197.00000° ,δ39.00000°,λ66.00000°. Principal axes: T 8.9600,Plg73.0000°,Azm3.0000° ; N 0.8000,Plg14.0000°,Azm215.0000°; P -9.7600,Plg8.0000°,Azm123.0000° $M_0$9.40000×10^{16}
SZGRF Kuril Islands, Russia.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=104, comp=188, per= 50. Moment Tensor Solution. s84,c153; s16,c17; Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$-0.20±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$0.36±.02; $M_{\theta\phi}$-0.77±.01; $M_{\phi r}$0.23±.02; Best double couple: NP1:ϕ_s201.00000°,δ38.00000°,λ73.00000°. NP2:ϕ_s42.00000°,δ54.00000°,λ103.00000°. Principal axes: T 1.2300,Plg76.0000°,Azm355.0000°; N 0.2500,Plg10.0000°,Azm215.0000° ; P -1.4700,Plg8.0000°,Azm123.0000° $M_0$1.40000×10^{17}

ISC	**XII**	**28 22 39 46.4–.36**	**48.25N–.03**	**154.32E–.03**	**49–3**	**5.1b,4.3s**	**733**	**3-156**
BJI	XII	28 22 39 41.6	48.18N	154.80E	43	5.0b,4.8b		¶13404278
SZGRF	XII	28 22 39 41.9	48.86N	154.12E	33	5.1b,4.8b		
ISCJB	XII	28 22 39 43.7–.43	48.20N–.03	154.37E–.03	43–3	5.1b,4.3s		
KRSC	XII	28 22 39 44.1–3.0	47.84N	157.24E	10–10	5.3L,4.3s		
SKHL	XII	28 22 39 45.6–2.3	48.08N	154.66E	39–3	5.8s,5.6b		
NEIC	XII	28 22 39 45.9–.62	48.25N	154.28E	47–5	5.3b,5.6b		
MOS	XII	28 22 39 45.3–1.4	48.24N	154.47E	66	5.4b,4.0s		
IDC	XII	28 22 39 46.3–2.4	48.28N	154.34E	52–21	4.7,4.7		
GCMT	XII	28 22 39 49.3–.30	48.20N	154.60E	46–1	5.0W,4.7		

ISC Event type se.
SZGRF Kuril Islands, Russia.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.6km az=148.6.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=161.0.
MOS Error ellipse: s-maj=9.3km s-min=5.9km az=64.1.
IDC Error ellipse: s-maj=13.1km s-min=9.7km az=130.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s42,c56; s54,c77; Moment tensor: Scale 10^{16}Nm; M_{rr}4.27±.22 $M_{\theta\theta}$-1.91±.15; $M_{\phi\phi}$-2.36±.14; $M_{r\theta}$1.12±.14; $M_{\theta\phi}$-2.33±.09; $M_{\phi r}$0.18±.12; Best double couple: NP1:ϕ_s213.00000°,δ40.00000°,λ75.00000°. NP2:ϕ_s52.00000°,δ51.00000°,λ102.00000°. Principal axes: T 4.4800,Plg79.0000° ,Azm12.0000°; N 0.0900,Plg9.0000°,Azm224.0000°; P -4.5700,Plg6.0000°,Azm133.0000° $M_0$4.50000×10^{16}

ISC	**XII**	**29 01 44 26.3–.55**	**48.40N–.05**	**154.36E–.05**	**57–4**	**4.7b,3.9s**	**357**	**3-156**
BJI	XII	29 01 44 19.0	49.08N	155.09E	60	5.1b,4.4b		¶13404292
MOS	XII	29 01 44 21.7–.86	48.31N	154.34E	35	5.0b,4.4b		
ISCJB	XII	29 01 44 23.6–.64	48.35N–.05	154.40E–.05	50–5	4.7b,3.9s		
SKHL	XII	29 01 44 23.9–2.1	48.12N	154.85E	91–8	5.9s,5.2b		
KRSC	XII	29 01 44 23.4–2.8	47.96N	156.83E	10–10	5.0L,5.2b		
NEIC	XII	29 01 44 24.0–.57	48.27N	154.36E	43–5	4.9b,5.2b		
IDC	XII	29 01 44 27.1–2.5	48.30N	154.35E	71–21	4.3,4.3		
SZGRF	XII	29 01 45 41.2	52.62N	152.81E	33	4.5b,4.3		

ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=5.3km az=94.6.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.0km az=147.3.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.7km az=158.0.
IDC Error ellipse: s-maj=15.6km s-min=10.3km az=151.0.
SZGRF Northwest of Kuril Islands, Russia.

ISC	**XII**	**29 01 46 25.5–.91**	**48.32N–.08**	**154.4E–.10**	**74–7**	**4.1b**	**97**	**3-147**
SKHL	XII	29 01 46 22.5–2.3	48.05N	154.72E	60–0	5.4b		¶12079331
ISCJB	XII	29 01 46 23.5–1.0	48.27N–.08	154.4E–.10	74–8	4.1b		
NEIC	XII	29 01 46 23.8–1.1	48.16N	154.45E	66–10	4.1b		

MOS XII 29 01 46 23.6–.75 48.29N 154.38E 76 4.3b
IDC XII 29 01 46 25.0–2.7 48.27N 154.40E 72–24 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=6.0km az=137.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=7.9km az=140.0.
MOS Error ellipse: s-maj=15.0km s-min=8.9km az=70.4.
IDC Error ellipse: s-maj=17.5km s-min=11.6km az=146.0.
ISC XII 29 02 03 58.0–1.3 48.7N–.10 154.4E–.20 76–8 3.7b 43 2-82
KRSC XII 29 02 03 50.8–3.0 47.92N 156.77E 10–10 4.3L **¶12079334**
MOS XII 29 02 03 53.7–1.2 48.47N 154.42E 67 4.1b
ISCJB XII 29 02 03 56.2–1.5 48.7N–.10 154.5E–.20 77–10 3.7b
IDC XII 29 02 03 58.5–2.9 48.54N 154.37E 89–23 3.7,3.5b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=26.8km s-min=9.8km az=76.3.
ISCJB Event type se. Error ellipse: s-maj=28.9km s-min=9.4km az=146.3.
IDC Error ellipse: s-maj=36.5km s-min=15.4km az=166.0.
IDC XII 29 02 49 09.8–4.4 48.23N 154.32E 56–39 3.6,3.5L
¶12079341
IDC Error ellipse: s-maj=21.5km s-min=19.9km az=139.0.
IDC XII 29 03 13 15.0–4.7 48.24N 154.19E 61–41 3.6,3.4
¶12079343
IDC Error ellipse: s-maj=26.6km s-min=22.5km az=173.0.
ISC XII 29 06 34 09.6–.90 48.39N–.09 154.3E–.10 72–7 4.0b 77 3-147
ISCJB XII 29 06 34 08.5–.99 48.41N–.09 154.3E–.10 79–8 4.0b **¶12079366**
MOS XII 29 06 34 08.6–.87 48.43N 154.30E 81 4.0b
IDC XII 29 06 34 09.4–2.5 48.36N 154.33E 74–22 3.9,3.8
NEIC XII 29 06 34 10.6–.97 48.38N 154.29E 84–8 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=6.6km az=45.0.
MOS Error ellipse: s-maj=18.0km s-min=9.3km az=64.7.
IDC Error ellipse: s-maj=21.1km s-min=12.4km az=155.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=7.2km az=138.0.
IDC XII 29 07 38 04.4–3.4 48.45N 154.41E 87–29 3.6,3.4
¶12079368
IDC Error ellipse: s-maj=55.7km s-min=22.6km az=151.0.
ISC XII 29 12 07 46.1–.64 48.29N–.06 154.52E–.09 57–4 4.4b,3.9s 214 3-84
MOS XII 29 12 07 41.7–.99 48.20N 154.48E 55 4.9b,3.9s **¶11526709**
KRSC XII 29 12 07 42.8–2.9 47.87N 156.73E 10–10 4.9L,3.9s
SKHL XII 29 12 07 43.5–1.5 47.95N 155.00E 93–4 6.0s,5.3b
ISCJB XII 29 12 07 43.3–.73 48.24N–.06 154.60E–.08 49–5 4.4b,3.9s
NEIC XII 29 12 07 45.5–.61 48.20N 154.47E 56–5 4.8b,3.9s
IDC XII 29 12 07 45.4–3.2 48.25N 154.34E 51–28 4.0,4.0
BJI XII 29 12 07 46.3 48.20N 154.60E 64 4.7b,4.2b
ISC Event type se.
MOS Error ellipse: s-maj=11.4km s-min=6.1km az=81.6.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=4.3km az=140.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.6km az=142.0.
IDC Error ellipse: s-maj=17.1km s-min=11.8km az=148.0.
ISC XII 29 14 47 32.6–1.8 46.7N–.20 152.0E–.20 87–16 3.6b 33 6-72
NEIC XII 29 14 47 28.1–1.9 46.70N 152.89E 62–15 3.6b **¶12079406**
IDC XII 29 14 47 29.6–3.5 46.79N 152.91E 76–29 3.4,3.3b
ISCJB XII 29 14 47 32.1–1.9 46.7N–.20 151.9E–.20 102–18 3.6b,3.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 29 23 36 48.6–.67 48.32N–.05 154.39E–.07 63–5 4.6b 319 3-147
KRSC XII 29 23 36 44.6–3.0 48.03N 155.79E 10–10 4.8L **¶13404371**
ISCJB XII 29 23 36 45.8–.77 48.31N–.05 154.44E–.07 54–6 4.6b,3.5s
SKHL XII 29 23 36 47.4–2.2 48.10N 154.95E 64–30 5.0b,5.0s
MOS XII 29 23 36 47.8–.87 48.29N 154.32E 71 4.9b,5.0s
NEIC XII 29 23 36 48.5–.57 48.30N 154.35E 65–4 4.8b,5.0s
IDC XII 29 23 36 49.2–2.4 48.30N 154.34E 74–21 4.2,4.1
SZGRF XII 29 23 36 49.2 49.24N 154.35E 33 4.4b,4.1
ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.3km az=141.0.
MOS Error ellipse: s-maj=10.4km s-min=5.9km az=93.2.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=147.0.
IDC Error ellipse: s-maj=15.4km s-min=10.6km az=148.0.
SZGRF Kuril Islands, Russia.
ISC XII 30 03 53 51.7–1.2 44.1N–.10 148.2E–.10 39–12 3.6b 47 2-82
NIED XII 30 03 53 00 43.80N 148.20E 35 3.7W **¶13404382**
IDC XII 30 03 53 47.6–2.3 44.49N 148.27E 0 3.9,3.7
JMA XII 30 03 53 47.5–.50 43.82N 148.16E 0 4.2,3.7
ISCJB XII 30 03 53 49.7–1.3 44.1N–.10 148.3E–.10 40–13 3.6b,3.7
MOS XII 30 03 53 52.0–1.1 44.17N 148.13E 58 4.1b,3.7
NEIC XII 30 03 53 52.9–1.2 44.25N 148.23E 45–10 4.2,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ67.00000°,λ72.00000°. NP2:ϕ_s277.00000°,δ29.00000°,λ126.00000°. $M_0$4.67000×10^{14}
IDC Error ellipse: s-maj=68.9km s-min=20.3km az=174.0.
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=10.6km az=150.9.
MOS Error ellipse: s-maj=22.5km s-min=16.3km az=140.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=9.2km az=153.0.
ISC XII 30 12 51 12.8–.71 48.26N–.07 154.5E–.10 59–6 3.8b,3.2s 106 3-83
SKHL XII 30 12 51 02.0–6.3 47.01N 156.54E 57–23 5.1b,3.2s **¶12079552**
IDC XII 30 12 51 05.0–.75 48.24N 154.45E 0 4.0,4.0
MOS XII 30 12 51 10.1–1.1 48.21N 154.52E 52 4.2b,4.0
ISCJB XII 30 12 51 10.2–.80 48.23N–.08 154.5E–.10 53–7 3.9b,3.2s
KRSC XII 30 12 51 11.6–2.4 48.05N 156.07E 10–10 4.6L,3.2s
NEIC XII 30 12 51 11.9–1.3 48.22N 154.44E 52–11 4.2b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=14.2km az=150.0.
MOS Error ellipse: s-maj=13.9km s-min=7.1km az=60.7.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=4.9km az=136.1.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=8.4km az=140.0.
ISC XII 31 08 48 04.9–.62 46.56N–.05 153.43E–.07 35–4 4.6b,4.2s 318 4-148
BJI XII 31 08 47 54.5 46.98N 154.33E 9 5.0b,4.7b **¶11525169**
SKHL XII 31 08 47 55.8–1.1 46.29N 154.48E 72–26 5.2b,4.5s
IDC XII 31 08 47 59.0–.61 46.57N 153.30E 0 4.5,4.4
NIED XII 31 08 48 00 46.70N 153.50E 8 4.6W,4.4
NEIC XII 31 08 48 01.3–.53 46.61N 153.48E 13–3 4.9b,4.4
ISCJB XII 31 08 48 02.8–.35 46.54N–.05 153.38E–.06 33 4.6b,4.2s
MOS XII 31 08 48 03.9–1.1 46.61N 153.34E 42 4.7b,4.1s
SZGRF XII 31 08 48 12.1 48.56N 152.09E 33 4.2b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=13.4km az=143.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s53.00000°,δ81.00000°,λ109.00000°. NP2:ϕ_s166.00000°,δ21.00000°,λ24.00000°. $M_0$8.62000×10^{15}
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.8km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=3.7km az=142.9.
MOS Error ellipse: s-maj=8.8km s-min=6.2km az=99.2.
SZGRF Kuril Islands, Russia.

(222) East of Kuril Islands.

ISC VII 06 06 15 39.6–.14 45.66N–.04 153.90E–.02 35 4.7b,4.0s 614 4-149
NIED VII 06 06 15 00 46.10N 153.90E 56 4.8W,4.0s **¶13388318**
IDC VII 06 06 15 34.3–.52 45.77N 153.98E 0 4.6,4.6
JMA VII 06 06 15 35.6–.90 46.14N 153.91E 30 4.8,4.6
NEIC VII 06 06 15 36.2–.21 45.80N 153.94E 10 4.8b,4.6
SKHL VII 06 06 15 36.9–1.5 45.86N 154.06E 67–29 5.2b,4.1s
BJI VII 06 06 15 37.2 46.01N 153.48E 10 4.9b,4.8b
ISCJB VII 06 06 15 37.1–.15 45.56N–.04 153.93E–.02 33 4.7b,4.0s
MOS VII 06 06 15 39.2–1.1 45.58N 153.81E 49 5.0b,4.0s
SZGRF VII 06 06 15 47.3 47.08N 152.82E 33 5.0b,4.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s71.00000°,δ74.00000°,λ74.00000°. NP2:ϕ_s297.00000°,δ23.00000°,λ134.00000°. $M_0$1.52000×10^{16}
IDC Error ellipse: s-maj=16.2km s-min=11.6km az=149.0.
JMA Error ellipse: s-maj=11.1km s-min=8.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.7km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=2.0km az=167.8.
MOS Error ellipse: s-maj=8.2km s-min=5.7km az=106.2.
SZGRF Kuril Islands, Russia.
JMA VII 06 22 59 27.7–.20 43.96N 148.06E 0 4.0
¶13504256
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC VII 07 09 23 22.3–.65 46.9N–.10 155.1E–.20 35 3.7b 21 4-76
IDC VII 07 09 23 17.5–.83 46.65N 155.46E 0 3.9,3.7 **¶11810868**
NEIC VII 07 09 23 18.8–.64 46.76N 155.36E 10 3.9,3.7
ISCJB VII 07 09 23 19.9–.65 47.0N–.10 155.0E–.20 33 3.7b,3.7
MOS VII 07 09 23 20.4–1.4 46.88N 155.22E 38 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=20.6km az=126.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=9.1km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=8.2km az=37.7.
MOS Error ellipse: s-maj=31.0km s-min=14.0km az=67.9.
ISC VII 11 05 33 19.2–.68 46.6N–.10 155.7E–.10 35 3.7b 18 4-76
IDC VII 11 05 33 13.5–.87 46.62N 155.69E 0 4.0,3.7 **¶12698130**
ISCJB VII 11 05 33 16.8–.69 46.6N–.10 155.6E–.10 33 3.7b,3.7
MOS VII 11 05 33 16.6–1.4 46.64N 155.87E 33 4.0b,3.7
IDC Error ellipse: s-maj=37.4km s-min=20.4km az=150.0.
ISCJB Error ellipse: s-maj=20.5km s-min=12.1km az=149.6.
MOS Error ellipse: s-maj=20.0km s-min=14.4km az=69.4.
ISC VII 13 13 21 20.7–.87 47.0N–.10 156.1E–.20 35 3.7b 22 4-76
IDC VII 13 13 21 15.3–1.1 46.95N 156.17E 0 3.8,3.7 **¶12698193**
ISCJB VII 13 13 21 18.6–.86 47.0N–.10 156.0E–.20 33 3.7b,3.7
MOS VII 13 13 21 21.3–2.0 47.02N 155.73E 58 3.8b,3.7
IDC Error ellipse: s-maj=27.7km s-min=26.2km az=90.0.
ISCJB Error ellipse: s-maj=19.8km s-min=11.2km az=37.5.
MOS Error ellipse: s-maj=18.7km s-min=14.3km az=65.6.
ISC VII 13 20 59 48.1–1.8 47.9N–.10 155.6E–.20 55–11 3.7b,3.2s 20 3-79
MOS VII 13 20 59 46.4–1.7 47.96N 155.43E 53 4.0b,3.2s **¶11811504**
NEIC VII 13 20 59 46.7–1.1 48.00N 155.43E 35 4.0b,3.2s
ISCJB VII 13 20 59 47.2–2.1 47.9N–.10 155.4E–.20 60–14 3.7b,3.2s
IDC VII 13 20 59 47.3–2.0 48.09N 155.44E 36–6 3.6,3.5b
ISC Event type se.
MOS Error ellipse: s-maj=21.8km s-min=13.9km az=75.0.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=11.2km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=33.7km s-min=10.7km az=36.2.
IDC Error ellipse: s-maj=47.7km s-min=23.8km az=157.0.
ISC VII 20 15 15 26.6–1.5 44.6N–.10 151.4E–.10 75–14 3.6b 40 3-79
NIED VII 20 15 15 00 45.40N 151.40E 17 3.7W **¶11747083**
MOS VII 20 15 15 21.2–1.4 44.99N 151.59E 37 4.0b
JMA VII 20 15 15 22.4–.70 45.38N 151.37E 30 3.9
IDC VII 20 15 15 24.0–6.1 44.99N 151.59E 37–35 3.6b,3.5
NEIC VII 20 15 15 24.8–2.7 45.11N 151.34E 36–22 3.9b,3.5
ISCJB VII 20 15 15 26.0–1.5 44.5N–.10 151.3E–.10 90–13 3.6b,3.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ50.00000°,λ68.00000°. NP2:ϕ_s228.00000°,δ45.00000°,λ114.00000°. $M_0$3.92000×10^{14}
NEIC Event type se.
ISCJB Event type se.
KRSC VII 24 02 03 27.4–.70 50.79N 158.09E 34–34 3.6L
¶12835260
KRSC Event type se.
JMA VII 25 22 07 02.1–.40 43.98N 148.41E 0 3.5
¶13512082
JMA Error ellipse: s-maj=5.6km s-min=4.0km az=-1.0.
IDC VII 29 19 01 23.3–10 47.80N 155.36E 0 4.1b,3.9
¶12698487
IDC Error ellipse: s-maj=221.5km s-min=49.9km az=141.0.
KRSC VII 30 03 03 28.7–.30 50.97N 158.63E 34–34 3.8L
¶12835319
KRSC Event type se.
JMA VIII 02 03 29 49.8–.40 43.92N 148.09E 0 3.5
¶13514860
JMA Error ellipse: s-maj=4.4km s-min=3.2km az=-1.0.
ISC VIII 03 09 16 48.0–.83 46.5N–.20 155.3E–.10 35 4.0b,3.3s 24 5-80
NIED VIII 03 09 16 00 47.20N 155.00E 41 4.1W,3.3s **¶11747254**
IDC VIII 03 09 16 42.9–.89 46.49N 155.43E 0 4.1,3.9
ISCJB VIII 03 09 16 45.6–.84 46.5N–.20 155.3E–.10 33 4.0b,3.3s
MOS VIII 03 09 16 47.0–1.6 46.51N 155.28E 45 4.3b,3.3s
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s59.00000°,δ82.00000°,λ69.00000°. NP2:ϕ_s309.00000°,δ22.00000°,λ159.00000°. $M_0$1.84000×10^{15}
IDC Error ellipse: s-maj=27.6km s-min=19.0km az=169.0.
ISCJB Error ellipse: s-maj=23.1km s-min=14.0km az=167.7.
MOS Error ellipse: s-maj=21.6km s-min=16.3km az=126.5.
ISC VIII 04 15 42 04.9–1.2 43.36N–.10 151.00E–.09 65–10 3.7b 51 4-80
IDC VIII 04 15 41 57.8–1.1 43.90N 151.43E 0 3.8,3.6b **¶11907770**
JMA VIII 04 15 42 00.6–.70 44.34N 151.22E 30 4.0,3.6b
NEIC VIII 04 15 42 01.7–6.6 43.87N 151.34E 25–45 4.2b,3.6b
ISCJB VIII 04 15 42 03.8–1.2 43.26N–.09 150.94E–.08 76–11 3.7b,3.6b
MOS VIII 04 15 42 06.9–1.2 43.77N 151.26E 90 3.9b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=23.0km az=4.0.
JMA Error ellipse: s-maj=8.9km s-min=5.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=18.5km az=192.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=9.0km az=158.1.
MOS Error ellipse: s-maj=23.7km s-min=14.2km az=42.5.
ISC VIII 10 17 27 59.3–.75 46.5N–.10 155.1E–.10 35 3.8b 29 4-80
IDC VIII 10 17 27 54.0–.88 46.49N 155.26E 0 3.9,3.8 **¶11908048**
ISCJB VIII 10 17 27 57.2–.76 46.5N–.10 155.1E–.10 33 3.8b,3.8
MOS VIII 10 17 27 58.4–2.0 46.60N 155.05E 46 4.2b,3.8
NEIC VIII 10 17 27 59.6–.79 46.69N 155.30E 35 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=17.5km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=11.6km az=143.0.
MOS Error ellipse: s-maj=17.2km s-min=11.9km az=82.9.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=14.2km az=151.0.
ISC VIII 10 17 40 35.0–.99 46.4N–.10 155.1E–.10 35 3.9b 34 4-76
IDC VIII 10 17 40 27.7–1.6 45.86N 154.99E 0 4.1,3.9b **¶11908050**
MOS VIII 10 17 40 31.4–2.4 46.35N 155.12E 34 4.2b,3.9b
ISCJB VIII 10 17 40 32.3–.96 46.3N–.10 155.1E–.10 33 3.9b,3.9b
NEIC VIII 10 17 40 34.4–.98 46.19N 155.07E 35 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=20.9km az=177.0.
MOS Error ellipse: s-maj=11.7km s-min=11.1km az=69.5.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=10.2km az=148.4.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=13.2km az=148.0.
ISC VIII 10 20 47 28.3–.86 46.4N–.20 155.0E–.10 35 3.8b 20 4-76
IDC VIII 10 20 47 22.8–.96 46.42N 155.16E 0 3.9,3.8 **¶11908057**
NEIC VIII 10 20 47 24.5–.68 46.46N 155.11E 10 4.0b,3.8
ISCJB VIII 10 20 47 25.9–.87 46.4N–.20 155.0E–.10 33 3.8b,3.8
MOS VIII 10 20 47 26.3–1.5 46.62N 154.95E 38 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=22.9km az=2.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=13.0km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=12.3km az=157.8.
MOS Error ellipse: s-maj=20.7km s-min=17.4km az=57.0.
ISC VIII 12 18 51 30.5–.71 46.9N–.10 155.8E–.10 35 3.9b 43 4-79
IDC VIII 12 18 51 25.6–.89 46.98N 155.80E 0 4.0,3.9 **¶11308559**
NEIC VIII 12 18 51 26.1–5.8 46.98N 155.80E 5–36 4.4b,3.9
ISCJB VIII 12 18 51 28.3–.70 46.9N–.10 155.7E–.10 33 3.9b,3.9
MOS VIII 12 18 51 28.7–1.6 46.70N 155.78E 36 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=15.5km az=159.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=11.7km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=8.8km az=146.0.

MOS Error ellipse: s-maj=13.3km s-min=12.1km az=177.5.
ISC VIII 13 22 41 02.4–1.2 43.69N–.09 149.2E–.10 82–10 4.4b 42 3-78
NIED VIII 13 22 40 00 44.40N 149.20E 32 3.9W **¶11747389**
MOS VIII 13 22 40 59.1–.34 44.32N 149.21E 46 4.1b
NEIC VIII 13 22 40 60.0–1.9 44.44N 149.29E 41–18 4.1b
JMA VIII 13 22 40 59.2–.50 44.44N 149.22E 30 3.9
ISCJB VIII 13 22 41 02.3–1.4 43.65N–.08 149.1E–.10 95–10 4.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ86.00000°,λ108.00000°. NP2:ϕ_s10.00000°,δ18.00000°,λ12.00000°. $M_0$8.10000×10^{14}
NEIC Event type se.
ISCJB Event type se.
ISC VIII 14 09 50 05.5–.59 45.9N–.10 154.40E–.09 35 3.9b,3.0s 29 5-84
NIED VIII 14 09 50 00 46.70N 154.10E 8 4.0W,3.0s **¶11747394**
IDC VIII 14 09 50 00.0–.69 45.86N 154.63E 0 4.1,4.0
NEIC VIII 14 09 50 01.5–.48 45.85N 154.64E 10 4.3b,4.0
ISCJB VIII 14 09 50 03.1–.59 45.8N–.10 154.5E–.10 33 3.9b,3.0s
MOS VIII 14 09 50 03.8–1.4 45.92N 154.46E 41 4.2b,3.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ82.00000°,λ68.00000°. NP2:ϕ_s296.00000°,δ23.00000°,λ159.00000°. $M_0$1.16000×10^{15}
IDC Error ellipse: s-maj=21.7km s-min=14.4km az=156.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.0km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=7.9km az=155.2.
MOS Error ellipse: s-maj=14.9km s-min=11.8km az=46.4.
JMA VIII 19 14 12 03.8–.50 44.58N 150.26E 30 3.9
¶13522073
JMA Error ellipse: s-maj=4.4km s-min=4.8km az=-1.0.
KRSC VIII 19 22 05 12.0–.80 49.55N 158.46E 51–51 3.9L
¶12835367
KRSC Event type se.
KRSC VIII 22 01 44 53.9–1.2 49.66N 157.06E 10–10 4.2L
MOS VIII 22 01 44 53.9–.98 49.66N 157.06E 10 4.3b **¶12835372**
KRSC Event type se.
MOS Error ellipse: s-maj=57.3km s-min=15.1km az=80.4.
ISC VIII 23 19 03 48.5–2.0 50.27N–.05 159.96E–.07 32–15 3.8b 50 2-77
IDC VIII 23 19 03 43.8–.97 50.17N 160.04E 0 3.8,3.6b **¶11908653**
KRSC VIII 23 19 03 45.7–1.5 50.29N 160.25E 46–45 4.2L,3.6b
ISCJB VIII 23 19 03 46.6–1.2 50.26N–.06 160.01E–.07 33–10 3.8b,3.6b
MOS VIII 23 19 03 47.5–1.2 50.36N 159.96E 42 4.2b,3.6b
NEIC VIII 23 19 03 54.9–1.7 50.84N 159.95E 69–12 4.2b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=20.8km az=174.0.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=7.1km az=159.0.
MOS Error ellipse: s-maj=21.6km s-min=8.4km az=94.3.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=11.6km az=165.0.
JMA VIII 26 21 12 11.5–.30 43.71N 148.03E 9 3.6
¶13541537
JMA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC VIII 30 19 06 28.3–1.7 44.0N–.20 149.1E–.20 57–15 3.6b 28 2-81
IDC VIII 30 19 06 20.5–1.0 44.12N 149.34E 0 3.8,3.6b **¶11909130**
JMA VIII 30 19 06 25.6–.50 44.38N 149.14E 30 3.2,3.6b
ISCJB VIII 30 19 06 28.0–1.8 43.9N–.10 149.0E–.20 71–14 3.5b,3.6b
NEIC VIII 30 19 06 27.8–1.9 44.20N 149.40E 53–15 3.5b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=24.6km az=136.0.
JMA Error ellipse: s-maj=4.4km s-min=4.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=26.0km s-min=15.6km az=149.2.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=13.1km az=151.0.
KRSC VIII 31 18 15 49.3–.90 49.43N 157.12E 47–46 3.9L
¶12835389
KRSC Event type se.
ISC IX 01 13 04 59.9–.19 48.66N–.04 157.46E–.04 10 4.2b,3.4s 269 2-145
ISCJB IX 01 13 04 57.8–.20 48.64N–.04 157.48E–.04 10 4.2b,3.4s **¶13393140**
IDC IX 01 13 04 58.1–.57 48.58N 157.51E 0 4.3,4.2
SKHL IX 01 13 04 58.9–2.0 48.50N 157.70E 54–1 5.4,5.0b
NEIC IX 01 13 04 59.4–3.0 48.62N 157.50E 8–18 4.4b,5.0b
BJI IX 01 13 05 00.8 49.12N 156.99E 8 4.5b,4.4b
MOS IX 01 13 05 02.5–1.0 48.71N 157.30E 46 4.3b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.6km az=174.0.
IDC Error ellipse: s-maj=18.2km s-min=9.9km az=148.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.2km az=150.0.
MOS Error ellipse: s-maj=11.6km s-min=8.2km az=87.1.
JMA IX 04 10 15 39.0–.30 43.97N 148.10E 0 4.0
¶14096627
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
KRSC IX 08 20 38 07.7–.40 50.95N 158.69E 44–43 4.2L
¶12835410
KRSC Event type se.
ISC IX 12 01 30 59.7–.73 46.69N–.08 155.3E–.10 35 3.8b 33 5-76
IDC IX 12 01 30 54.2–.91 46.72N 155.53E 0 4.0,3.8b **¶11910083**
ISCJB IX 12 01 30 57.5–.73 46.75N–.08 155.3E–.10 33 3.8b,3.8b
NEIC IX 12 01 30 59.4–.73 46.79N 155.49E 35 3.8b,3.8b
MOS IX 12 01 31 00.6–1.9 46.88N 155.16E 68 4.0b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=19.5km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=6.7km az=41.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=12.0km az=124.0.
MOS Error ellipse: s-maj=18.4km s-min=12.4km az=63.0.
KRSC IX 14 01 46 06.0–.90 50.81N 158.71E 55–54 3.7L
¶12835427
KRSC Event type se.
IDC IX 17 04 36 19.4–1.2 43.64N 152.27E 0 3.9,3.6b
¶11910451
IDC Error ellipse: s-maj=35.5km s-min=31.7km az=29.0.
ISC IX 17 09 55 43.9–1.4 43.88N–.10 148.0E–.10 48–14 3.5b 43 2-82
NIED IX 17 09 55 00 43.60N 147.90E 38 3.6W **¶11747763**
IDC IX 17 09 55 37.3–1.1 43.92N 148.12E 0 3.8,3.6b
MOS IX 17 09 55 39.6–1.9 43.98N 148.23E 30 3.9b,3.6b
JMA IX 17 09 55 41.3–.10 43.63N 147.91E 9 4.1,3.6b
ISCJB IX 17 09 55 42.6–1.3 43.81N–.09 148.0E–.10 54–13 3.5b,3.6b
NEIC IX 17 09 55 42.7–.83 43.95N 148.13E 35 4.1,3.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ87.00000°,λ-105.00000°. NP2:ϕ_s135.00000°,δ16.00000°,λ-10.00000°. $M_0$2.99000×10^{14}
IDC Error ellipse: s-maj=32.7km s-min=23.5km az=144.0.
MOS Error ellipse: s-maj=24.5km s-min=15.4km az=139.2.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=11.0km az=152.2.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=12.4km az=145.0.
IDC IX 19 19 21 24.8–1.4 46.93N 155.51E 0 4.0,3.7b
¶11910647
IDC Error ellipse: s-maj=79.2km s-min=24.4km az=115.0.
IDC IX 20 11 01 07.9–.84 46.72N 155.66E 0 3.8,3.6
¶11910693
IDC Error ellipse: s-maj=29.1km s-min=20.2km az=124.0.
IDC IX 27 18 22 25.8–2.6 46.20N 154.63E 0 3.9,3.8
¶11911219
IDC Error ellipse: s-maj=66.5km s-min=40.3km az=179.0.
IDC X 01 02 09 40.3–1.2 46.91N 155.47E 0 3.8,3.5b
¶11911519
IDC Error ellipse: s-maj=38.9km s-min=28.5km az=125.0.
JMA X 16 08 10 21.3–.20 43.96N 148.06E 0 3.7
¶14111928
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
KRSC X 17 09 04 41.5–.40 49.79N 157.22E 31–30 3.7L
¶12835483
KRSC Event type se.
ISC X 27 15 19 00.9–.50 46.97N–.08 155.56E–.09 35 4.2b 74 4-151
IDC X 27 15 18 55.4–.61 46.84N 155.68E 0 4.3,4.2 **¶12071243**
ISCJB X 27 15 18 58.3–.50 46.87N–.09 155.53E–.09 33 4.2b,4.2
MOS X 27 15 19 00.0–1.8 46.68N 155.54E 55 4.3b,4.2
NEIC X 27 15 19 01.1–.57 47.03N 155.67E 35 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=12.6km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=7.1km az=150.5.
MOS Error ellipse: s-maj=15.3km s-min=10.8km az=52.3.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.0km az=145.0.
ISC X 28 15 15 02.8–.54 44.79N–.05 150.84E–.05 35–4 4.6b,4.1s 337 2-89
NIED X 28 15 15 00 45.00N 150.80E 14 4.6W,4.1s **¶11374821**
ISCJB X 28 15 15 00.8–.70 44.67N–.05 150.83E–.05 36–5 4.6b,4.1s
JMA X 28 15 15 01.3–.40 45.02N 150.84E 30 4.7,4.1s
MOS X 28 15 15 03.4–1.2 44.98N 150.60E 47 4.9b,4.0s
NEIC X 28 15 15 04.7–.51 44.97N 150.73E 46–4 4.9b,4.0s
IDC X 28 15 15 05.0–3.0 44.99N 150.59E 50–27 4.1,4.0L
BJI X 28 15 15 18.6 45.38N 149.16E 105 5.0b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s59.00000°,δ74.00000°,λ105.00000°. NP2:ϕ_s195.00000°,δ21.00000°,λ48.00000°. $M_0$8.24000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.2km az=155.3.
JMA Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=8.2km s-min=6.0km az=108.5.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.0km az=154.0.
IDC Error ellipse: s-maj=18.4km s-min=13.0km az=144.0.
ISC X 28 21 32 33.6–.92 44.84N–.04 150.81E–.04 28–6 4.8b,4.5s 492 2-152
NIED X 28 21 32 00 45.00N 150.90E 20 4.8W,4.5s **¶11374840**
IDC X 28 21 32 29.6–.48 44.96N 150.70E 0 4.6,4.6
ISCJB X 28 21 32 30.1–.96 44.78N–.04 150.83E–.04 16–6 4.8b,4.5s
SKHL X 28 21 32 32.1–1.5 44.70N 151.00E 50–19 5.8,5.1s
JMA X 28 21 32 32.3–.50 45.01N 150.90E 30 5.1,5.1s
MOS X 28 21 32 33.5–1.0 44.83N 150.75E 40 5.1b,4.5s
BJI X 28 21 32 33.5 45.17N 150.86E 40 5.1b,4.8b
NEIC X 28 21 32 34.5–1.1 44.94N 150.75E 32–7 5.0b,4.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s61.00000°,δ86.00000°,λ106.00000°. NP2:ϕ_s165.00000°,δ17.00000°,λ14.00000°. $M_0$1.79000×10^{16}
IDC Error ellipse: s-maj=14.6km s-min=10.8km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.6km az=149.8.
JMA Error ellipse: s-maj=4.4km s-min=4.7km az=-1.0.
MOS Error ellipse: s-maj=7.4km s-min=5.2km az=111.6.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.3km az=145.0.
ISC XI 01 07 55 36.2–.43 46.94N–.05 155.83E–.09 35 4.1b,3.3s 72 4-155
IDC XI 01 07 55 30.7–.57 46.86N 155.95E 0 4.1,4.0 **¶12071835**
ISCJB XI 01 07 55 34.0–.44 46.96N–.05 155.79E–.09 33 4.1b,3.3s
MOS XI 01 07 55 36.1–2.1 47.03N 155.65E 54 4.5b,3.3s
NEIC XI 01 07 55 36.1–.53 46.94N 155.97E 35 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=12.6km az=139.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.7km az=32.2.
MOS Error ellipse: s-maj=14.2km s-min=8.4km az=70.2.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.2km az=151.0.
ISC XI 01 21 17 58.3–.66 44.74N–.06 150.81E–.06 38–5 4.4b,3.4s 234 2-150
NIED XI 01 21 17 00 45.10N 150.70E 29 4.1W,3.4s **¶11395476**
IDC XI 01 21 17 53.0–.61 44.97N 150.73E 0 4.2,4.1
BJI XI 01 21 17 54.8 45.22N 151.28E 32 4.6b,4.5b
NEIC XI 01 21 17 55.5–2.5 44.96N 150.81E 15–15 4.6b,4.5b
ISCJB XI 01 21 17 56.1–.78 44.65N–.06 150.81E–.06 37–6 4.4b,3.4s
JMA XI 01 21 17 56.6–.40 45.14N 150.75E 30 4.6,3.4s
MOS XI 01 21 17 57.9–.89 44.95N 150.70E 43 4.7b,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s62.00000°,δ81.00000°,λ103.00000°. NP2:ϕ_s186.00000°,δ16.00000°,λ35.00000°. $M_0$1.52000×10^{15}
IDC Error ellipse: s-maj=17.8km s-min=14.1km az=149.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.7km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.9km az=153.2.
JMA Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=9.6km s-min=7.8km az=133.6.
ISC XI 01 22 49 16.7–.96 44.86N–.05 150.75E–.05 34–6 4.6b,4.1s 390 2-150
NIED XI 01 22 49 00 45.10N 150.80E 11 4.3W,4.1s **¶11472897**
IDC XI 01 22 49 11.8–.60 44.99N 150.55E 0 4.4,4.3b
SKHL XI 01 22 49 12.3–.70 44.60N 151.13E 55–13 4.8b,4.4s
ISCJB XI 01 22 49 13.4–.94 44.86N–.05 150.70E–.05 21–6 4.6b,4.1s
BJI XI 01 22 49 15.3 45.03N 150.68E 32 4.8b,4.7b
JMA XI 01 22 49 15.0–.70 45.10N 150.78E 30 4.6,4.7b
MOS XI 01 22 49 16.2–1.0 44.92N 150.67E 42 5.0b,4.7b
NEIC XI 01 22 49 17.7–.80 45.03N 150.66E 37–6 4.8b,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ70.00000°,λ91.00000°. NP2:ϕ_s235.00000°,δ20.00000°,λ87.00000°. $M_0$3.56000×10^{15}
IDC Error ellipse: s-maj=17.3km s-min=13.1km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=3.6km az=149.0.
JMA Error ellipse: s-maj=6.7km s-min=5.5km az=-1.0.
MOS Error ellipse: s-maj=7.8km s-min=5.4km az=109.7.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.1km az=147.0.
ISC XI 01 23 04 58.2–1.7 44.8N–.10 150.5E–.20 58–14 3.5b 24 4-79
IDC XI 01 23 04 48.5–1.6 45.09N 151.21E 0 3.8,3.6 **¶12071922**
JMA XI 01 23 04 53.9–.60 45.20N 150.65E 30 4.0,3.6
ISCJB XI 01 23 04 57.0–1.8 44.7N–.10 150.4E–.10 63–15 3.5b,3.6
ISC XI 02 02 36 02.8–.24 44.89N–.04 150.77E–.04 43 4.7b,4.0s 567 2-150
NIED XI 02 02 35 00 45.00N 150.90E 8 4.6W,4.0s **¶11383178**
BGS XI 02 02 35 44.4–2.1 42.68N 156.52E 33–0 5.0b,4.0s
IDC XI 02 02 35 56.7–.47 45.00N 150.70E 0 4.5,4.5
JMA XI 02 02 35 59.4–.50 44.99N 150.91E 30 4.7,4.5
MOS XI 02 02 36 00.6–.85 45.01N 150.75E 35 5.0b,4.0s
ISCJB XI 02 02 36 00.7–.24 44.83N–.04 150.77E–.03 41 4.7b,4.0s
NEIC XI 02 02 36 01.9–1.2 44.98N 150.76E 33–8 4.8b,4.0s
BJI XI 02 02 36 01.4 45.26N 150.84E 45 4.8b,4.7b
SKHL XI 02 02 36 03.2–1.2 44.99N 150.73E 49–13 5.3s,4.9b
TEH XI 02 02 36 03.0 45.00N 150.72E 36 5.3s,4.9b
SZGRF XI 02 02 36 08.6 47.34N 150.30E 46 4.9b,4.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s78.00000°,δ72.00000°,λ96.00000°. NP2:ϕ_s239.00000°,δ18.00000°,λ73.00000°. $M_0$1.03000×10^{16}
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=14.9km s-min=11.1km az=141.0.
JMA Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=7.3km s-min=4.6km az=106.5.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=2.2km az=153.7.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.0km az=155.0.
SZGRF Kuril Islands, Russia.
IDC XI 04 15 23 32.0–.98 46.78N 155.71E 0 3.9,3.6b
¶12072261
IDC Error ellipse: s-maj=40.1km s-min=21.8km az=139.0.
ISC XI 05 03 13 39.5–.17 45.27N–.05 153.12E–.03 46 4.5b,3.7s 517 5-153
MOS XI 05 03 13 35.9–1.1 45.29N 153.24E 34 4.7b,3.7s **¶13399275**
BJI XI 05 03 13 36.4 45.42N 153.15E 29 4.9b,4.6s
ISCJB XI 05 03 13 37.2–.17 45.25N–.05 153.13E–.03 44 4.5b,3.7s
JMA XI 05 03 13 37.4–.50 45.84N 152.86E 30 5.1,3.7s
SKHL XI 05 03 13 38.4–.30 45.55N 153.00E 54–15 5.4b,3.7s
NEIC XI 05 03 13 38.4–.94 45.33N 153.25E 36–8 4.7b,3.7s
IDC XI 05 03 13 39.5–.81 45.35N 153.20E 46–6 4.2,4.1
ISC Event type se.
MOS Error ellipse: s-maj=8.6km s-min=7.0km az=97.2.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=2.2km az=166.5.
JMA Error ellipse: s-maj=8.9km s-min=5.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.8km az=166.0.
IDC Error ellipse: s-maj=17.3km s-min=12.7km az=154.0.
KRSC XI 12 00 46 28.3–1.2 49.38N 157.20E 37–36 3.5L
¶12835518
KRSC Event type se.

KRSC XI 20 17 54 30.1–1.2 50.87N 158.03E 5–5 3.7L
¶12835531

KRSC Event type se.
ISC XI 26 14 04 03.9–.56 46.04N–.09 154.19E–.08 35 3.7b 70 5-134
IDC XI 26 14 03 58.4–.72 45.96N 154.32E 0 3.9,3.8 **¶12074900**
NEIC XI 26 14 04 00.8–4.1 46.04N 154.25E 14–25 4.3b,3.8
ISCJB XI 26 14 04 01.5–.56 46.04N–.08 154.16E–.08 33 3.7b,3.8
MOS XI 26 14 04 01.4–.71 45.99N 154.22E 34 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=15.5km az=158.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.2km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=5.5km az=152.4.
MOS Error ellipse: s-maj=12.4km s-min=10.5km az=161.1.
KRSC XII 04 15 16 21.0–.40 50.35N 159.27E 10–10 3.6L
¶12835556

KRSC Event type se.
ISC XII 08 02 58 10.8–.13 48.90N–.03 156.32E–.03 47 4.8s,4.8b 676 2-144
IDC XII 08 02 58 03.3–.55 48.86N 156.23E 0 4.7,4.6s **¶13402210**
KRSC XII 08 02 58 05.1–1.8 48.66N 157.29E 92–32 5.2L,4.6s
NEIC XII 08 02 58 05.8–2.5 48.80N 156.31E 12–15 5.0b,4.6s
MOS XII 08 02 58 06.4–1.4 48.84N 156.42E 28 5.0b,4.7s
BJI XII 08 02 58 07.9 49.33N 156.17E 38 5.0s,5.0b
ISCJB XII 08 02 58 08.4–.13 48.85N–.03 156.38E–.03 45 4.8s,4.8b
SKHL XII 08 02 58 08.5–.60 48.69N 156.49E 36–1 5.1s,5.0b
GCMT XII 08 02 58 10.0–.30 48.85N 156.59E 18–1 5.0W,5.0b
TEH XII 08 02 58 11.0 49.02N 156.17E 48 5.0W,5.0b
SZGRF XII 08 02 58 33.4 52.02N 152.71E 33 5.0b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=9.9km az=157.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.9km az=162.0.
MOS Error ellipse: s-maj=7.5km s-min=4.1km az=84.6.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.1km az=158.8.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s18,c23; s69,c108; Moment tensor: Scale 10^{16}Nm; M_{rr}0.60±.14 $M_{\theta\theta}$2.63±.11; $M_{\phi\phi}$-3.24±.12; $M_{r\theta}$-1.23±.29; $M_{\theta\phi}$-0.72±.08; $M_{\phi r}$1.13±.27; Best double couple: NP1:ϕ_s230.00000°,δ61.00000°,λ170.00000°. NP2:ϕ_s325.00000°,δ81.00000°,λ30.00000°. Principal axes: T 3.4100,Plg27.0000° ,Azm191.0000°; N 0.1600,Plg59.0000°,Azm339.0000°; P -3.5700,Plg14.0000°,Azm94.0000° $M_0$3.50000×10^{16}
SZGRF Northwest of Kuril Islands, Russia.
ISC XII 11 19 40 57.1–.74 46.88N–.09 155.8E–.10 35 3.8b 37 6-76
IDC XII 11 19 40 52.1–1.2 46.92N 155.82E 0 4.0,3.8 **¶12076981**
ISCJB XII 11 19 40 55.0–.74 46.94N–.09 155.7E–.10 33 3.8b,3.8
MOS XII 11 19 40 55.4–1.3 47.04N 155.66E 33 4.1b,3.8
NEIC XII 11 19 40 57.9–.85 47.07N 155.81E 35 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=18.1km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=9.6km az=43.8.
MOS Error ellipse: s-maj=26.2km s-min=16.9km az=72.4.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=12.3km az=163.0.
ISC XII 18 07 53 41.4–1.7 43.9N–.20 149.5E–.20 112–18 3.2b 19 3-81
IDC XII 18 07 53 29.6–3.7 44.25N 149.53E 0 3.6,3.4 **¶12078028**
JMA XII 18 07 53 39.5–.40 44.71N 149.39E 30 4.1,3.4
ISCJB XII 18 07 53 40.3–1.8 43.9N–.20 149.4E–.20 118–18 3.2b,3.4
ISC XII 18 11 42 00.6–3.6 48.91N–.08 156.2E–.20 14–26 3.2b 18 2-75
IDC XII 18 11 41 58.0–1.4 48.82N 156.38E 0 3.7,3.5 **¶12078054**
MOS XII 18 11 41 59.7–1.5 48.89N 156.06E 19 3.7b,3.5
KRSC XII 18 11 42 02.6–2.0 49.15N 156.51E 10–10 3.7L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=55.7km s-min=28.0km az=131.0.
MOS Error ellipse: s-maj=58.2km s-min=18.4km az=77.3.
KRSC Event type se.
ISC XII 23 09 03 22.2–1.5 43.9N–.10 150.1E–.10 89–15 3.4b 27 3-69
IDC XII 23 09 03 15.1–1.2 44.57N 150.01E 0 3.8,3.6 **¶12078653**
ISCJB XII 23 09 03 21.2–1.6 43.8N–.10 150.0E–.10 97–15 3.4b,3.6
ISC XII 23 16 08 21.4–.80 45.75N–.09 152.46E–.09 43–8 3.6b 85 3-78
JMA XII 23 16 08 19.8–.50 46.20N 152.33E 30 4.7 **¶12078692**
ISCJB XII 23 16 08 20.6–.00 45.7N–.10 152.3E–.10 57–10 3.6b
MOS XII 23 16 08 20.7–1.4 46.04N 152.37E 42 4.3b
NEIC XII 23 16 08 23.5–1.1 46.10N 152.35E 53–10 4.5b
IDC XII 23 16 08 24.2–2.8 46.19N 152.28E 57–26 3.7L,3.6
ISC Event type se.
JMA Error ellipse: s-maj=7.8km s-min=5.4km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=6.3km az=147.1.
MOS Error ellipse: s-maj=16.6km s-min=11.0km az=140.3.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=7.3km az=148.0.
IDC Error ellipse: s-maj=34.9km s-min=14.5km az=156.0.
ISC XII 24 21 11 41.6–10 47.0N–.20 155.4E–.20 14–62 3.6b 25 6-79
IDC XII 24 21 11 39.3–1.4 46.92N 155.50E 0 3.8,3.6 **¶12078855**
ISCJB XII 24 21 11 42.6–.94 47.0N–.10 155.4E–.20 33 3.6b,3.6
NEIC XII 24 21 11 44.6–.91 47.02N 155.36E 35 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=18.8km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=13.6km az=150.8.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=13.4km az=152.0.
ISC XII 26 20 24 00.5–.56 46.67N–.07 156.0E–.10 35 3.9b,3.5s 42 7-80
IDC XII 26 20 23 55.3–.73 46.56N 156.16E 0 4.1,3.9 **¶12079093**
NEIC XII 26 20 23 56.5–.47 46.59N 156.15E 10 4.3b,3.9
ISCJB XII 26 20 23 58.3–.59 46.70N–.07 156.1E–.10 33 3.9b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 26 22 02 37.6–.81 46.47N 156.07E 0 3.9,3.7b
¶12079106

IDC Error ellipse: s-maj=25.0km s-min=19.5km az=142.0.
ISC XII 27 19 16 23.8–.45 43.84N–.03 148.31E–.04 42–3 4.9b,4.4s 513 1-153
NIED XII 27 19 16 00 44.10N 148.70E 23 4.8W,4.4s **¶13404177**
IDC XII 27 19 16 18.0–.45 43.96N 148.28E 0 4.4,4.4
JMA XII 27 19 16 18.7–.60 44.14N 148.66E 30 5.0,4.4
ISCJB XII 27 19 16 21.7–.48 43.81N–.03 148.33E–.04 40–3 4.9b,4.4s
MOS XII 27 19 16 21.6–.91 43.84N 148.26E 38 5.2b,4.3s
SKHL XII 27 19 16 22.5–.50 43.92N 148.25E 34–3 5.1b,4.3s
NEIC XII 27 19 16 23.7–.73 43.93N 148.28E 40–6 5.1b,4.3s
BJI XII 27 19 16 23.0 43.93N 148.33E 53 5.2b,4.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s252.00000°,δ69.00000°,λ147.00000°. NP2:ϕ_s355.00000°,δ59.00000°,λ25.00000°. $M_0$1.53000×10^{16}
IDC Error ellipse: s-maj=14.7km s-min=11.3km az=132.0.
JMA Error ellipse: s-maj=3.3km s-min=5.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.7km az=146.9.
MOS Error ellipse: s-maj=7.2km s-min=4.8km az=111.9.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.3km az=139.0.
IDC XII 28 11 39 16.9–.96 47.09N 155.76E 0 3.7,3.5b
¶12079271

IDC Error ellipse: s-maj=29.5km s-min=22.1km az=122.0.
ISC XII 29 16 50 47.0–1.7 46.5N–.30 154.2E–.20 35 3.4b 13 7-77
IDC XII 29 16 50 40.3–2.7 46.13N 154.33E 0 3.7,3.4b **¶12079419**
ISCJB XII 29 16 50 45.4–1.7 46.6N–.30 154.2E–.20 33 3.4b,3.4b
NEIC XII 29 16 50 46.8–1.7 46.43N 154.25E 35 3.4b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=67.2km s-min=32.3km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=38.7km s-min=19.7km az=159.1.
NEIC Event type se. Error ellipse: s-maj=40.3km s-min=20.8km az=160.0.

(223) Eastern Sea of Japan.

JMA VII 08 17 05 10.4–.20 43.19N 139.10E 30–3 3.6
¶13504845

JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC VII 23 21 08 41.0–.29 43.76N–.04 138.98E–.07 253–5 3.7b 82 1-74
ISCJB VII 23 21 08 40.1–.29 43.78N–.04 138.97E–.07 259–5 3.6b **¶11812477**
JMA VII 23 21 08 40.6–.30 43.81N 138.93E 256–3 3.4
IDC VII 23 21 08 40.7–.91 43.76N 138.93E 246–14 3.4,3.4
MOS VII 23 21 08 40.0–.80 43.87N 138.93E 256 3.7b,3.4
NEIC VII 23 21 08 40.9–.47 43.85N 138.87E 245–7 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.7km az=30.3.
JMA Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=23.0km s-min=14.7km az=150.0.
MOS Error ellipse: s-maj=14.8km s-min=9.6km az=111.1.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.5km az=136.0.
ISC VIII 07 09 24 52.8–.62 43.20N–.07 136.4E–.10 342–11 3.2b 49 3-62
ISCJB VIII 07 09 24 52.1–.55 43.14N–.05 136.5E–.10 358–10 3.3b **¶12580954**
JMA VIII 07 09 24 53.5–.60 43.28N 136.51E 341 3.1
IDC VIII 07 09 24 59.0–2.9 42.56N 136.04E 455–60 3.1,3.0b
ISCJB Error ellipse: s-maj=13.0km s-min=7.3km az=17.5.
JMA Error ellipse: s-maj=4.4km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=48.4km s-min=19.0km az=10.0.
ISC VIII 11 11 13 45.6–.49 44.23N–.06 140.6E–.10 258–7 3.3b 32 1-62
IDC VIII 11 11 13 07.5–2.2 43.37N 142.24E 0 3.9b,3.9 **¶12581025**
ISCJB VIII 11 11 13 44.7–.49 44.24N–.07 140.7E–.10 265–7 3.3b,3.9
JMA VIII 11 11 13 45.1–.40 44.30N 140.43E 255–4 3.1,3.9
IDC Error ellipse: s-maj=83.9km s-min=32.1km az=59.0.
ISCJB Error ellipse: s-maj=11.7km s-min=10.5km az=179.9.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC VIII 12 11 49 48.1–.65 42.32N–.05 137.0E–.10 316–9 3.0b 35 2-51
ISCJB VIII 12 11 49 47.2–.65 42.33N–.05 137.0E–.10 323–9 2.9b **¶12581035**
JMA VIII 12 11 49 47.5–.30 42.35N 136.99E 318 3.1
IDC VIII 12 11 49 48.0–1.5 42.64N 136.69E 288–24 3.0,2.9b
ISCJB Error ellipse: s-maj=13.6km s-min=7.0km az=16.6.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=44.2km s-min=16.0km az=145.0.
JMA VIII 24 06 32 47.6–.10 39.34N 138.53E 42–3 3.5
¶13540609

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 04 12 44 56.3–.97 44.11N–.06 140.17E–.10 244–8 28 1-8
NIED IX 04 12 44 00 44.20N 140.10E 230 4.1W **¶11747609**
BJI IX 04 12 44 54.2 44.20N 140.10E 241 4.4b,4.3b
ISCJB IX 04 12 44 55.7–.98 44.11N–.05 140.16E–.10 246–8 4.4b,4.3b
JMA IX 04 12 44 56.2–.20 44.18N 140.08E 241–2 3.9,4.3b
NEIC IX 04 12 44 56.3 44.18N 140.08E 241 3.9,4.3b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ88.00000°,λ-14.00000°. NP2:ϕ_s97.00000°,δ76.00000°,λ-178.00000°. $M_0$1.63000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=8.2km az=23.6.
JMA Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
NEIC Event type se. After JMA.
JMA IX 08 11 33 00.5–.20 43.30N 139.45E 32–3 3.6
¶14098114

JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC XI 18 21 43 39.5–.40 42.99N–.06 137.67E–.08 276–7 3.4b 49 2-89
ISCJB XI 18 21 43 38.6–.40 43.00N–.05 137.66E–.08 281–7 3.4b **¶12074056**
NEIC XI 18 21 43 39.6–.66 43.10N 137.51E 273–9 3.7b
IDC XI 18 21 43 39.2–1.5 43.16N 137.40E 267–22 3.2,3.1b
JMA XI 18 21 43 40.5–.50 42.90N 137.88E 285–4 3.3,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.1km az=44.6.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.7km az=154.0.
IDC Error ellipse: s-maj=32.0km s-min=16.5km az=164.0.
JMA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.

(224) Hokkaido region.

ISC VII 03 01 00 06.1–.31 42.29N–.03 142.98E–.05 62–2 4.3b 95 0-86
NIED VII 03 01 00 00 42.30N 143.00E 59 4.2W **¶11479823**
ISCJB VII 03 01 00 04.9–.31 42.27N–.03 142.97E–.05 67–2 4.2b
MOS VII 03 01 00 04.8–1.1 42.26N 142.90E 69 4.4b
BJI VII 03 01 00 04.3 42.61N 143.45E 82 4.7b,4.5b
JMA VII 03 01 00 06.6–.10 42.33N 143.01E 51–1 4.0,4.5b
NEIC VII 03 01 00 06.6 42.33N 143.01E 51 4.5b,4.2W
IDC VII 03 01 00 07.5–1.9 42.32N 142.88E 73–14 3.9,3.9b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ73.00000°,λ83.00000°. NP2:ϕ_s224.00000°,δ18.00000°,λ111.00000°. $M_0$2.22000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.7km az=35.3.
MOS Error ellipse: s-maj=11.7km s-min=7.8km az=97.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type fe. Recorded [2 JMA] in southern Hokkaido. After JMA. Moment Tensor Solution. $M_0$2.20000×10^{15}
IDC Error ellipse: s-maj=18.7km s-min=13.2km az=117.0.
ISC VII 04 01 54 19.5–.50 41.90N–.03 141.37E–.05 97–4 3.9b 37 0-65
ISCJB VII 04 01 54 18.6–.52 41.90N–.03 141.37E–.05 102–4 3.9b **¶11810575**
JMA VII 04 01 54 19.9–.10 41.91N 141.38E 92–2 2.7
NEIC VII 04 01 54 22.1–1.1 42.01N 142.22E 149–45 3.8b
IDC VII 04 01 54 22.7–2.4 42.19N 141.67E 130–25 3.6b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.7km az=40.2.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=105.5km s-min=20.2km az=120.0.
IDC Error ellipse: s-maj=85.1km s-min=19.1km az=108.0.
ISC VII 07 05 49 10.8–1.2 43.07N–.07 145.71E–.07 88–9 22 0-3
ISCJB VII 07 05 49 10.2–1.2 43.07N–.07 145.72E–.07 91–9 **¶13504334**
JMA VII 07 05 49 11.7–.10 43.08N 145.65E 86–1 3.8
SKHL VII 07 05 49 12.0–.40 43.05N 145.82E 77–8 4.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.5km s-min=6.4km az=147.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC VII 07 12 18 28.0–.27 42.49N–.03 140.75E–.05 139–2 3.9b 85 0-74
MOS VII 07 12 18 25.8–1.2 42.57N 140.54E 130 4.0b **¶11810881**
ISCJB VII 07 12 18 26.7–.27 42.49N–.03 140.75E–.05 144–2 3.9b
IDC VII 07 12 18 27.9–1.2 42.50N 140.74E 139–11 3.7,3.6b
JMA VII 07 12 18 28.0–.10 42.50N 140.75E 137–1 3.4,3.6b
NEIC VII 07 12 18 28.1 42.50N 140.75E 136 3.4,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=15.8km s-min=9.1km az=82.9.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.3km az=40.7.
IDC Error ellipse: s-maj=16.1km s-min=12.2km az=106.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.
ISC VII 12 09 24 30.0–.44 41.36N–.03 142.97E–.04 35–4 4.3b,3.8s 124 1-147
NIED VII 12 09 24 00 41.30N 143.00E 29 4.4W,3.8s **¶11342160**
JMA VII 12 09 24 27.5–.20 41.30N 142.96E 17–3 4.4,3.8s
ISCJB VII 12 09 24 28.4–.46 41.29N–.03 143.01E–.04 41–4 4.3b,3.8s
MOS VII 12 09 24 28.5–1.2 41.36N 142.92E 40 4.5b,3.8s
BJI VII 12 09 24 30.3 40.69N 142.69E 47 4.6b,4.6b
NEIC VII 12 09 24 30.1–.27 41.39N 142.87E 35 4.6b,4.4W
IDC VII 12 09 24 32.1–1.6 41.30N 142.83E 57–14 4.0,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ68.00000°,λ-80.00000°. NP2:ϕ_s214.00000°,δ24.00000°,λ-114.00000°. $M_0$4.59000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.4km az=37.2.
MOS Error ellipse: s-maj=13.2km s-min=6.8km az=91.5.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.2km az=135.0. Recorded [1 JMA] in southern Hokkaido. Moment Tensor Solution. $M_0$4.60000×10^{15}
IDC Error ellipse: s-maj=15.3km s-min=9.5km az=99.0.
ISC VII 12 18 17 04.3–.33 42.49N–.03 143.30E–.05 62–3 4.0b 73 0-86
NIED VII 12 18 17 00 42.50N 143.30E 56 4.0W **¶13506481**
MOS VII 12 18 17 02.4–.84 42.43N 143.29E 66 4.2b
ISCJB VII 12 18 17 03.0–.34 42.46N–.04 143.30E–.05 69–2 3.9b
NEIC VII 12 18 17 04.3–.57 42.46N 143.28E 64–5 4.1b
IDC VII 12 18 17 04.9–1.9 42.46N 143.25E 69–15 3.8,3.7
JMA VII 12 18 17 05.0–.10 42.49N 143.28E 51–1 4.1,3.7
ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s116.00000°,δ47.00000°,λ-76.00000°. NP2:ϕ_s276.00000°,δ45.00000°,λ-105.00000°. $M_0$9.79000×10^{14}
MOS Error ellipse: s-maj=15.5km s-min=9.3km az=85.9.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.4km az=136.6.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=6.9km az=103.0. Recorded [2 JMA] in southeastern Hokkaido.
IDC Error ellipse: s-maj=20.2km s-min=14.0km az=90.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

ISC	**VII**	**14 23 38 55.8–.38**	**43.34N–.04**	**144.35E–.06**	**138–2**	**3.8b**	**47**	**0-69**
ISCJB	VII	14 23 38 54.4–.38	43.33N–.04	144.36E–.06	143–2	3.8b		¶11811605
IDC	VII	14 23 38 56.8–2.7	43.45N	144.33E	144–14	3.5,3.4b		
JMA	VII	14 23 38 56.0–.10	43.35N	144.35E	138–1	3.3,3.4b		
NEIC	VII	14 23 38 56.1	43.35N	144.35E	138	4.0b,3.4b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=7.0km az=152.7.
IDC Error ellipse: s-maj=47.6km s-min=24.4km az=68.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.

ISC	**VII**	**19 14 24 02.3–.36**	**41.62N–.03**	**142.05E–.04**	**55–5**	**3.7b**	**41**	**1-65**
NIED	VII	19 14 24 00	41.60N	142.00E	44	3.8W		¶11747065
ISCJB	VII	19 14 24 01.2–.36	41.61N–.03	142.05E–.04	62–4	3.7b		
NEIC	VII	19 14 24 01.5	41.60N	142.04E	65	3.8b		
JMA	VII	19 14 24 01.4–.10	41.60N	142.04E	65–3	3.7		
IDC	VII	19 14 24 04.4–2.2	41.72N	142.03E	75–16	3.6,3.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ78.00000°,λ-159.00000°. NP2:ϕ_s41.00000°,δ70.00000°,λ-12.00000°. $M_0$4.92000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=3.8km az=41.0.
NEIC Event type fe. Recorded [1 JMA] in southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=31.9km s-min=13.8km az=122.0.

ISC	**VII**	**20 05 29 16.5–2.0**	**41.75N–.07**	**144.2E–.10**	**16–11**	**3.6b**	**20**	**1-86**
NIED	VII	20 05 29 00	41.70N	144.20E	20	3.9W		¶11747074
IDC	VII	20 05 29 14.7–1.6	41.79N	143.97E	0	3.9,3.7b		
ISCJB	VII	20 05 29 15.9–2.6	41.62N–.07	144.3E–.10	33–20	3.6b,3.7b		
JMA	VII	20 05 29 17.1–.20	41.72N	144.23E	31–3	3.7,3.7b		
NEIC	VII	20 05 29 17.2	41.72N	144.23E	31	3.7,3.7b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ78.00000°,λ45.00000°. NP2:ϕ_s270.00000°,δ47.00000°,λ163.00000°. $M_0$6.92000×10^{14}
IDC Error ellipse: s-maj=36.9km s-min=23.2km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=10.8km az=10.7.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.

ISC	**VII**	**20 05 33 16.8–.88**	**41.82N–.04**	**144.06E–.05**	**31–5**	**4.5b,4.2s**	**192**	**1-115**
NIED	VII	20 05 33 00	41.70N	144.20E	26	4.7W,4.2s		¶13389621
IDC	VII	20 05 33 12.4–.80	41.87N	144.00E	0	4.3,4.2b		
BJI	VII	20 05 33 13.2	41.83N	144.23E	31	4.9b,4.7b		
ISCJB	VII	20 05 33 14.5–1.0	41.78N–.04	144.09E–.05	28–6	4.5b,4.2s		
NEIC	VII	20 05 33 14.8	41.71N	144.23E	31	4.7b,4.7W		
JMA	VII	20 05 33 14.7–.30	41.71N	144.23E	31–3	4.8,4.7W		
MOS	VII	20 05 33 15.4–.93	41.82N	144.04E	33	4.8b,4.7W		
SZGRF	VII	20 05 33 21.0	42.99N	145.48E	33	4.6b,4.7W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ90.00000°,λ1.00000°. NP2:ϕ_s274.00000°,δ89.00000°,λ180.00000°. $M_0$1.24000×10^{16}
IDC Error ellipse: s-maj=20.7km s-min=14.9km az=149.0.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=4.0km az=43.4.
NEIC Event type fe. Recorded [1 JMA] in southeastern Hokkaido. After JMA. Moment Tensor Solution. $M_0$1.20000×10^{16}
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=8.8km s-min=5.6km az=107.5.
SZGRF Hokkaido, Japan, region.

ISC	**VII**	**23 05 07 28.7–.26**	**41.27N–.03**	**140.52E–.05**	**134–2**	**4.1b**	**83**	**0-88**
ISCJB	VII	23 05 07 27.5–.26	41.27N–.03	140.51E–.05	138–2	4.1b		¶13389876
MOS	VII	23 05 07 27.9–1.1	41.28N	140.46E	144	4.0b		
IDC	VII	23 05 07 28.7–1.4	41.31N	140.46E	134–12	3.8,3.7		
JMA	VII	23 05 07 29.0–.10	41.27N	140.50E	131–1	3.3,3.7		
NEIC	VII	23 05 07 29.0	41.27N	140.50E	131	3.3,3.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.9km az=29.2.
MOS Error ellipse: s-maj=14.1km s-min=9.3km az=70.6.
IDC Error ellipse: s-maj=16.7km s-min=10.9km az=140.0.
NEIC Event type se. After JMA.

ISC	**VII**	**23 18 04 44.3–.33**	**41.58N–.03**	**142.06E–.05**	**59–4**	**3.9b**	**72**	**1-87**
BJI	VII	23 18 04 35.2	40.60N	142.73E	62	5.0b,4.2b		¶11480102
JMA	VII	23 18 04 43.6–.10	41.57N	142.06E	64–3	3.6,4.2b		
ISCJB	VII	23 18 04 43.3–.32	41.58N–.03	142.07E–.05	67–4	3.8b,4.2b		
MOS	VII	23 18 04 43.9–1.2	41.64N	142.18E	77	4.3b,4.2b		
NEIC	VII	23 18 04 44.5–.78	41.62N	142.10E	63–9	4.3b,4.2b		
IDC	VII	23 18 04 46.4–.76	41.68N	142.11E	77–6	3.8,3.7b		

ISC Event type fe.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s155.00000°,δ13.00000°,λ50.00000°. NP2:ϕ_s16.00000°,δ80.00000°,λ98.00000°. Principal axes: T Plg54.0000°,Azm296.0000° ; N Plg8.0000°,Azm195.0000°; P Plg35.0000°,Azm99.0000°
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.6km az=38.1.
MOS Error ellipse: s-maj=14.7km s-min=8.9km az=75.3.
NEIC Event type fe. Error ellipse: s-maj=14.1km s-min=8.2km az=145.0. Recorded [1 JMA] in Aomori, Honshu.
IDC Error ellipse: s-maj=17.0km s-min=9.2km az=110.0.

ISC	**VIII**	**01 01 14 46.9–.30**	**44.10N–.03**	**141.73E–.06**	**229–2**	**3.6b**	**88**	**0-68**
NIED	VIII	01 01 14 00	44.20N	141.70E	250	3.8W		¶11747234
ISCJB	VIII	01 01 14 45.9–.29	44.11N–.03	141.74E–.06	234–2	3.6b		
MOS	VIII	01 01 14 45.8–.90	44.16N	141.70E	233	4.0b		
NEIC	VIII	01 01 14 46.8–.50	44.16N	141.69E	224–7	3.9b		
IDC	VIII	01 01 14 46.7–.53	44.21N	141.69E	221–5	3.5,3.4b		
JMA	VIII	01 01 14 46.5–.20	44.16N	141.71E	233–2	4.0,3.4b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s298.00000°,δ68.00000°,λ-111.00000°. NP2:ϕ_s165.00000°,δ30.00000°,λ-48.00000°. $M_0$6.05000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=20.2.
MOS Error ellipse: s-maj=16.5km s-min=10.4km az=85.7.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.1km az=119.0.
IDC Error ellipse: s-maj=18.7km s-min=13.7km az=150.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

ISC	**VIII**	**03 03 55 10.8–.70**	**42.05N–.07**	**142.55E–.06**	**61–5**	**3.9b**	**24**	**0-65**
IDC	VIII	03 03 54 58.2–21	41.60N	143.14E	0	4.0,3.9b		¶12580909
ISCJB	VIII	03 03 55 09.9–.71	42.05N–.07	142.55E–.06	68–5	3.9b,3.9b		
JMA	VIII	03 03 55 10.5–.20	42.04N	142.61E	63–2	3.3,3.9b		

IDC Error ellipse: s-maj=485.3km s-min=94.1km az=160.0.
ISCJB Error ellipse: s-maj=12.5km s-min=5.5km az=152.8.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

JMA	**VIII**	**03 11 55 46.9–.10**	**42.27N**	**139.11E**	**18–1**	**3.8**		
NIED	VIII	03 11 55 00	42.30N	139.10E	5	3.6W		¶11747257

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ54.00000°,λ77.00000°. NP2:ϕ_s190.00000°,δ38.00000°,λ107.00000°. $M_0$2.57000×10^{14}

ISC	**VIII**	**04 10 57 25.6–1.1**	**42.29N–.04**	**144.70E–.06**	**29–8**	**3.6b**	**47**	**1-85**
NIED	VIII	04 10 57 00	42.30N	144.70E	35	4.0W		¶11747274
IDC	VIII	04 10 57 21.4–1.3	42.21N	144.47E	0	3.9,3.8		
MOS	VIII	04 10 57 25.4–1.9	42.22N	144.71E	36	4.0b,3.8		
ISCJB	VIII	04 10 57 25.5–.80	42.29N–.05	144.71E–.07	45–7	3.6b,3.8		
NEIC	VIII	04 10 57 26.1	42.33N	144.69E	37	4.1,3.8		
JMA	VIII	04 10 57 26.1	42.33N	144.69E	37–1	4.1,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ74.00000°,λ76.00000°. NP2:ϕ_s219.00000°,δ21.00000°,λ132.00000°. $M_0$1.00000×10^{15}
IDC Error ellipse: s-maj=36.5km s-min=20.7km az=173.0.
MOS Error ellipse: s-maj=16.2km s-min=14.7km az=56.8.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=5.2km az=138.0.
NEIC Event type fe. Recorded [1 JMA] in eastern Hokkaido. After JMA.
JMA Event type fe.

ISC	**VIII**	**05 08 10 47.9–1.2**	**42.25N–.05**	**144.96E–.07**	**17–5**	**4.1b,3.3s**	**48**	**1-85**
NIED	VIII	05 08 10 00	42.30N	144.90E	26	4.1W,3.3s		¶13390908
BJI	VIII	05 08 10 44.9	42.19N	145.12E	25	4.6b,4.5b		
IDC	VIII	05 08 10 46.4–2.5	42.45N	144.82E	0	4.2,4.1b		
NEIC	VIII	05 08 10 49.9	42.27N	144.90E	28	4.2b,4.1b		
MOS	VIII	05 08 10 49.6–1.2	42.27N	144.80E	44	4.5b,4.1b		
JMA	VIII	05 08 10 49.8	42.27N	144.90E	28–1	4.3,4.1b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ74.00000°,λ65.00000°. NP2:ϕ_s258.00000°,δ29.00000°,λ146.00000°. $M_0$1.35000×10^{15}
IDC Error ellipse: s-maj=67.7km s-min=24.1km az=172.0.
NEIC Event type se. After JMA.
MOS Error ellipse: s-maj=14.5km s-min=13.4km az=111.2.

ISC	**VIII**	**07 03 03 04.9–.47**	**41.99N–.05**	**142.55E–.04**	**61–4**	**3.7b**	**37**	**0-86**
IDC	VIII	07 03 02 59.1–1.5	42.48N	142.49E	0	3.9,3.7b		¶11907853
ISCJB	VIII	07 03 03 04.1–.45	42.01N–.05	142.56E–.04	67–3	3.6b,3.7b		
NEIC	VIII	07 03 03 04.7	42.01N	142.60E	62	3.3,3.7b		
JMA	VIII	07 03 03 04.6–.20	42.01N	142.60E	61–2	3.3,3.7b		

ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=23.2km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.4km az=165.2.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s150.00000°,δ7.00000°,λ54.00000°. NP2:ϕ_s6.00000°,δ84.00000°,λ94.00000°. Principal axes: T Plg51.0000°,Azm281.0000° ; N Plg4.0000°,Azm186.0000°; P Plg39.0000°,Azm92.0000°

ISC	**VIII**	**08 13 04 56.6–.61**	**45.70N–.09**	**145.5E–.20**	**348–8**	**3.0b**	**35**	**2-83**
NEIC	VIII	08 13 04 53.4–2.4	46.71N	144.28E	321–20	3.4b		¶11907964
IDC	VIII	08 13 04 55.9–1.1	46.41N	145.08E	333–13	3.0,2.7b		
JMA	VIII	08 13 04 56.5–.40	45.87N	145.28E	348	3.4,2.7b		
ISCJB	VIII	08 13 04 57.1–.68	45.78N–.09	145.3E–.20	344–7	3.0b,2.7b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**VIII**	**08 15 53 12.5–.08**	**41.18N–.02**	**142.15E–.02**	**60**	**5.3b,4.9s**	**1160**	**1-161**
NIED	VIII	08 15 53 00	41.10N	142.30E	47	5.4W,4.9s		¶11160007
BJI	VIII	08 15 53 04.5	41.02N	142.62E	37	5.3b,5.2b		
NEIC	VIII	08 15 53 09.9–.12	41.17N	142.19E	39	5.4b,5.4W		
ISCJB	VIII	08 15 53 10.8–.08	41.19N–.02	142.16E–.02	58	5.3b,4.9s		
MOS	VIII	08 15 53 10.5–.79	41.27N	142.20E	60	5.6b,4.8s		
JMA	VIII	08 15 53 10.8–.10	41.14N	142.28E	51–3	5.4,4.8s		
GCMT	VIII	08 15 53 12.9–.10	41.17N	142.49E	56–0	5.4W,4.8s		
IDC	VIII	08 15 53 12.4–.56	41.25N	142.16E	62–4	4.8s,4.8		
SZGRF	VIII	08 15 53 13.9	42.20N	143.10E	33	5.4b,5.1s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ70.00000°,λ96.00000°. NP2:ϕ_s186.00000°,δ21.00000°,λ73.00000°. $M_0$1.30000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.5km az=161.0. Felt at Misawa, Honshu. Recorded [3 JMA] in southwestern Hokkaido. Also recorded [3 JMA] in Aomori and [2 JMA] in Iwate and [1 JMA] in Miyagi, Honshu. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-0.86 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.02 $M_{\phi r}$1.10 Best double couple: NP1: ϕ_s22.00000°,δ72.00000°,λ100.00000°. NP2:ϕ_s171.00000°,δ20.00000°,λ61.00000°. Principal axes: T 1.6600,Plg61.0000°,Azm307.0000°; N -0.2300,Plg9.0000°,Azm199.0000° ; P -1.4300,Plg26.0000°,Azm104.0000° $M_0$1.60000×10^{17} Moment Tensor Solution. $M_0$1.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=154.1.
MOS Error ellipse: s-maj=8.1km s-min=5.6km az=81.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s188.00000°,δ18.00000°,λ76.00000°. NP2:ϕ_s22.00000°,δ73.00000°,λ94.00000°. Principal axes: T Plg62.0000°,Azm299.0000° ; N Plg4.0000°,Azm201.0000°; P Plg28.0000°,Azm109.0000°
GCMT Event type se. Data Used: lI lU lC G CN. Surface waves: sta= 96, comp=199, per= 50. Moment Tensor Solution. s83,c161; s13,c15; Moment tensor: Scale 10^{17}Nm; M_{rr}1.39±.03 $M_{\theta\theta}$0.05±.03; $M_{\phi\phi}$-1.44±.03; $M_{r\theta}$0.45±.02; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$0.70±.02; Best double couple: NP1:ϕ_s184.00000°,δ32.00000°,λ73.00000°. NP2:ϕ_s24.00000°,δ60.00000°,λ100.00000°. Principal axes: T 1.6300,Plg73.0000°,Azm319.0000°; N 0.1100,Plg9.0000°,Azm198.0000° ; P -1.7400,Plg14.0000°,Azm106.0000° $M_0$1.70000×10^{17}
IDC Error ellipse: s-maj=10.4km s-min=8.9km az=101.0.
SZGRF Hokkaido, Japan, region.

ISC	**VIII**	**09 00 54 36.6–.26**	**42.01N–.03**	**142.48E–.03**	**62–2**	**4.7b**	**397**	**0-148**
NIED	VIII	09 00 54 00	42.00N	142.50E	56	4.5W		¶13391199
MOS	VIII	09 00 54 34.9–.81	42.11N	142.40E	57	5.0b		
BJI	VIII	09 00 54 34.2	41.95N	142.42E	60	4.8b,4.8b		
JMA	VIII	09 00 54 35.7–.10	41.97N	142.54E	65–2	4.5,4.8b		
ISCJB	VIII	09 00 54 35.5–.26	42.00N–.03	142.46E–.03	67–1	4.6b,4.8b		
NEIC	VIII	09 00 54 36.1–.60	42.12N	142.41E	55–6	4.7b,4.4W		
IDC	VIII	09 00 54 37.5–.76	42.04N	142.53E	72–5	4.4,4.3		
SZGRF	VIII	09 00 54 41.0	43.05N	141.83E	33	4.8b,4.3		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ68.00000°,λ85.00000°. NP2:ϕ_s221.00000°,δ22.00000°,λ102.00000°. $M_0$5.72000×10^{15}
MOS Error ellipse: s-maj=8.4km s-min=4.5km az=110.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=147.1.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=3.7km az=166.0. Recorded [2 JMA] in southwestern Hokkaido. Also recorded [2 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$5.70000×10^{15}
IDC Error ellipse: s-maj=12.5km s-min=8.2km az=106.0.
SZGRF Hokkaido, Japan, region.

ISC	**VIII**	**09 14 21 16.6–.48**	**41.22N–.04**	**142.25E–.05**	**62–5**	**3.7b**	**36**	**1-65**
NIED	VIII	09 14 21 00	41.20N	142.20E	53	3.5W		¶11747345
IDC	VIII	09 14 21 14.4–2.0	41.02N	142.48E	61–17	3.6,3.6		
ISCJB	VIII	09 14 21 15.7–.48	41.22N–.04	142.24E–.05	70–5	3.6b,3.6		
JMA	VIII	09 14 21 16.6–.10	41.24N	142.24E	59–2	3.6,3.6		
NEIC	VIII	09 14 21 18.6–.81	41.43N	142.40E	79–10	3.6,3.6		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ75.00000°,λ119.00000°. NP2:ϕ_s153.00000°,δ33.00000°,λ28.00000°. $M_0$2.07000×10^{14}
IDC Error ellipse: s-maj=31.7km s-min=12.5km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.5km az=40.3.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=10.2km az=122.0.

ISC	**VIII**	**14 09 04 41.3–.32**	**41.14N–.03**	**141.02E–.06**	**105–2**	**3.9b**	**50**	**0-73**
ISCJB	VIII	14 09 04 40.2–.33	41.14N–.03	141.01E–.06	111–2	3.9b		¶11908201
MOS	VIII	14 09 04 40.7–.84	41.09N	141.17E	128	4.3b		
IDC	VIII	14 09 04 41.7–2.0	41.06N	141.05E	118–19	3.6b,3.6		
JMA	VIII	14 09 04 41.2–.10	41.14N	141.04E	101–1	3.2,3.6		
NEIC	VIII	14 09 04 42.1–.75	41.11N	141.11E	120–9	4.2b,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=4.8km az=15.7.
MOS Error ellipse: s-maj=16.0km s-min=11.0km az=70.2.
IDC Error ellipse: s-maj=18.6km s-min=14.4km az=83.0.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.5km az=124.0.

ISC	**VIII**	**15 21 46 25.3–.59**	**43.92N–.05**	**142.52E–.07**	**215–4**	**3.4b**	**39**	**0-42**
IDC	VIII	15 21 46 23.8–2.6	44.05N	143.05E	214–5	3.2b,3.2		¶12581117
ISCJB	VIII	15 21 46 24.5–.59	43.92N–.05	142.51E–.07	218–4	3.4b,3.2		
JMA	VIII	15 21 46 25.4–.10	44.01N	142.45E	213–2	3.0,3.2		

IDC Error ellipse: s-maj=53.8km s-min=17.3km az=102.0.
ISCJB Error ellipse: s-maj=8.4km s-min=7.7km az=45.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

JMA	**VIII**	**17 08 14 11.8–.10**	**42.89N**	**145.46E**	**44–1**	**3.7**		
NIED	VIII	17 08 14 00	42.90N	145.50E	41	3.6W		¶11747427

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ69.00000°,λ86.00000°. NP2:ϕ_s230.00000°,δ21.00000°,λ101.00000°. $M_0$2.45000×10^{14}

ISC	**VIII**	**24 16 32 33.4–.31**	**41.80N–.03**	**141.23E–.05**	**103–2**	**3.9b**	**70**	**0-77**
ISCJB	VIII	24 16 32 32.3–.31	41.80N–.03	141.22E–.05	109–2	3.9b		¶13392494

JMA VIII 24 16 32 33.9–.10 41.83N 141.27E 96–1 3.4
IDC VIII 24 16 32 34.0–1.3 41.82N 141.17E 107–12 3.7,3.6b
MOS VIII 24 16 32 34.0–1.1 41.86N 141.25E 130 4.1b,3.6b
BJI VIII 24 16 32 34.8 42.17N 141.35E 129 4.6b,4.5b
NEIC VIII 24 16 32 35.3–.75 41.86N 141.13E 118–7 3.7b,4.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.9km az=28.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=17.3km s-min=11.1km az=114.0.
MOS Error ellipse: s-maj=15.1km s-min=9.6km az=80.3.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.0km az=104.0.
ISC VIII 27 00 14 00.8–.34 41.56N–.03 142.07E–.05 62–3 4.1b 71 1-89
MOS VIII 27 00 13 59.6–.79 41.52N 142.13E 75 4.5b **¶13392700**
ISCJB VIII 27 00 13 59.7–.34 41.55N–.03 142.05E–.05 70–3 4.0b
JMA VIII 27 00 14 00.2–.10 41.56N 142.05E 65–3 3.8
IDC VIII 27 00 14 00.7–.76 41.52N 142.07E 63–6 3.9,3.8
NIED VIII 27 00 14 00 41.60N 142.10E 56 4.1W,3.8
NEIC VIII 27 00 14 01.4–.70 41.54N 142.05E 70–6 4.3b,3.8
ISC Event type fe.
MOS Error ellipse: s-maj=13.7km s-min=9.5km az=80.7.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.7km az=30.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s148.00000°,δ15.00000°,λ30.00000°. NP2: ϕ_s29.00000°,δ82.00000°,λ103.00000°. Principal axes: T Plg51.0000°,Azm314.0000° ; N Plg13.0000°,Azm207.0000°; P Plg36.0000°,Azm107.0000°
IDC Error ellipse: s-maj=17.3km s-min=8.8km az=104.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ69.00000°,λ101.00000°. NP2:ϕ_s178.00000°,δ24.00000°,λ63.00000°. $M_0$1.44000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.9km az=129.0. Recorded [2 JMA] in Aomori, Honshu.
ISC VIII 29 14 41 04.8–.20 42.95N–.02 143.95E–.03 94–1 4.5b 402 0-133
NIED VIII 29 14 41 00 42.90N 144.00E 95 4.3W **¶13392903**
BJI VIII 29 14 41 03.1 43.04N 144.06E 99 4.8b,4.6b
MOS VIII 29 14 41 03.1–1.0 42.97N 144.00E 102 4.7b,4.6b
ISCJB VIII 29 14 41 03.8–.20 42.96N–.03 143.94E–.03 99–1 4.5b,4.6b
IDC VIII 29 14 41 04.8–.55 42.94N 144.01E 100–4 4.2,4.2
NEIC VIII 29 14 41 04.4–.26 43.00N 144.00E 94 4.6b,4.3W
JMA VIII 29 14 41 04.4–.10 42.94N 144.04E 96–1 4.1,4.3W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ87.00000°,λ-56.00000°. NP2:ϕ_s43.00000°,δ34.00000°,λ-175.00000°. $M_0$3.60000×10^{15}
MOS Error ellipse: s-maj=8.9km s-min=5.8km az=81.8.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.7km az=156.3.
IDC Error ellipse: s-maj=9.2km s-min=6.9km az=61.0.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.6km az=140.0. Recorded [2 JMA] in southeastern Hokkaido and [1 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$3.60000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s42.00000°,δ36.00000°,λ-174.00000°. NP2: ϕ_s307.00000°,δ87.00000°,λ-54.00000°. Principal axes: T Plg32.0000°,Azm8.0000° ; N Plg36.0000°,Azm125.0000°; P Plg38.0000°,Azm249.0000°
ISC IX 01 05 41 16.8–.20 42.58N–.02 141.74E–.03 129–1 4.5b 261 0-156
NIED IX 01 05 41 00 42.60N 141.70E 125 4.5W **¶13393121**
ISCJB IX 01 05 41 15.7–.20 42.58N–.03 141.74E–.03 134–1 4.5b
BJI IX 01 05 41 15.3 42.78N 141.80E 135 4.7b,4.7b
MOS IX 01 05 41 15.5–.77 42.63N 141.69E 128 4.5b,4.7b
JMA IX 01 05 41 16.5–.10 42.59N 141.73E 133–1 4.5,4.7b
NEIC IX 01 05 41 16.7–.34 42.60N 141.71E 128–3 4.4b,4.7b
IDC IX 01 05 41 16.6–.89 42.58N 141.74E 128–7 4.3,4.2b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s253.00000°,δ76.00000°,λ-67.00000°. NP2:ϕ_s12.00000°,δ27.00000°,λ-148.00000°. $M_0$5.43000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.3km az=149.1.
MOS Error ellipse: s-maj=8.7km s-min=5.4km az=109.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s12.00000°,δ55.00000°,λ-174.00000°. NP2: ϕ_s278.00000°,δ85.00000°,λ-35.00000°. Principal axes: T Plg20.0000°,Azm330.0000° ; N Plg55.0000°,Azm91.0000°; P Plg28.0000°,Azm229.0000°
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=4.0km az=129.0. Recorded [2 JMA] in southern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu.
IDC Error ellipse: s-maj=12.1km s-min=9.2km az=131.0.
ISC IX 01 10 46 15.5–.95 41.82N–.03 144.04E–.05 28–6 4.5b,4.0s 106 1-115
NIED IX 01 10 46 00 41.80N 144.00E 26 4.5W,4.0s **¶11226740**
IDC IX 01 10 46 11.4–.56 41.85N 143.96E 0 4.4,4.3b
ISCJB IX 01 10 46 14.4–.58 41.76N–.03 144.09E–.05 40–4 4.5b,4.0s
BJI IX 01 10 46 14.4 41.64N 143.84E 32 4.9b,4.6b
MOS IX 01 10 46 14.7–1.0 41.85N 143.93E 37 4.7b,4.6b
JMA IX 01 10 46 15.2–.20 41.77N 144.04E 48–3 4.5,4.6b
NEIC IX 01 10 46 15.3 41.77N 144.04E 48 4.4b,4.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ68.00000°,λ70.00000°. NP2:ϕ_s253.00000°,δ29.00000°,λ130.00000°. $M_0$6.13000×10^{15}
IDC Error ellipse: s-maj=15.8km s-min=12.9km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.9km az=37.2.
MOS Error ellipse: s-maj=9.6km s-min=6.3km az=101.9.
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s74.00000°,δ16.00000°,λ-50.00000°. NP2: ϕ_s213.00000°,δ78.00000°,λ-100.00000°. Principal axes: T Plg32.0000°,Azm312.0000° ; N Plg10.0000°,Azm216.0000°; P Plg56.0000°,Azm110.0000°
NEIC Event type se. After JMA.
ISC IX 02 08 17 00.8–.22 42.78N–.03 142.70E–.03 92–1 4.4b 216 0-86
BJI IX 02 08 16 59.3 42.85N 142.79E 101 4.9b,4.8b **¶13393197**
ISCJB IX 02 08 16 59.7–.21 42.78N–.03 142.69E–.03 98–1 4.4b,4.8b
MOS IX 02 08 16 59.4–.98 42.77N 142.69E 102 4.5b,4.8b
NEIC IX 02 08 17 00.9–.60 42.78N 142.68E 94–5 4.3b,4.8b
NIED IX 02 08 17 00 42.80N 142.80E 86 4.4W,4.8b
IDC IX 02 08 17 00.8–1.3 42.79N 142.69E 96–9 4.1,4.0
JMA IX 02 08 17 01.4–.10 42.81N 142.79E 84–2 4.2,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.2km az=157.6.
MOS Error ellipse: s-maj=8.9km s-min=6.5km az=84.8.
NEIC Event type fe. Error ellipse: s-maj=8.2km s-min=4.9km az=149.0. Recorded [2 JMA] in southern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s353.00000°,δ80.00000°,λ-46.00000°. NP2:ϕ_s92.00000°,δ45.00000°,λ-166.00000°. $M_0$3.99000×10^{15}
IDC Error ellipse: s-maj=16.2km s-min=11.5km az=144.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s79.00000°,δ49.00000°,λ173.00000°. NP2: ϕ_s174.00000°,δ85.00000°,λ42.00000°. Principal axes: T Plg32.0000°,Azm45.0000° ; N Plg48.0000°,Azm179.0000°; P Plg24.0000°,Azm299.0000°
ISC IX 02 10 52 11.1–.46 45.18N–.07 143.1E–.10 303–4 3.1b 38 0-84
ISCJB IX 02 10 52 10.2–.46 45.20N–.07 143.1E–.10 308–4 3.1b **¶11909272**
JMA IX 02 10 52 10.2–.30 45.31N 143.06E 310–3 3.5
NEIC IX 02 10 52 10.2 45.31N 143.06E 310 3.5
IDC IX 02 10 52 11.1–1.2 45.41N 143.09E 299–14 3.1,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=9.8km az=138.0.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=26.5km s-min=18.6km az=140.0.
JMA IX 04 16 42 45.7–.10 41.09N 143.36E 62–4 3.2
IDC IX 04 16 43 06.7–14 40.34N 141.41E 162–91 3.2b,3.2 **¶11909470**
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=203.1km s-min=21.7km az=64.0.
ISC IX 06 06 20 42.9–.28 41.79N–.03 141.72E–.04 82–2 3.8b 80 1-147
IDC IX 06 06 20 40.7–2.9 41.70N 141.66E 64–26 4.0L,3.8 **¶11909588**
ISCJB IX 06 06 20 42.0–.28 41.78N–.03 141.73E–.04 87–2 3.8b,3.8
MOS IX 06 06 20 42.2–.98 41.81N 141.69E 96 4.1b,3.8
JMA IX 06 06 20 43.1–.10 41.77N 141.70E 77–2 3.8,3.8
NEIC IX 06 06 20 43.2 41.77N 141.70E 77 4.2b,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=20.0km s-min=15.4km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.6km az=39.0.
MOS Error ellipse: s-maj=18.3km s-min=9.5km az=74.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s102.00000°,δ34.00000°,λ-72.00000°. NP2: ϕ_s261.00000°,δ58.00000°,λ-102.00000°. Principal axes: T Plg12.0000°,Azm359.0000° ; N Plg10.0000°,Azm267.0000°; P Plg74.0000°,Azm139.0000°
NEIC Event type fe. Recorded [2 JMA] in Aomori, Honshu. Also recorded [1 JMA] in southern Hokkaido. After JMA.
ISC IX 06 07 05 05.4–.21 42.58N–.03 141.30E–.03 124–2 4.4b 145 0-147
NIED IX 06 07 05 00 42.60N 141.30E 116 4.3W **¶13393562**
BJI IX 06 07 05 02.6 42.59N 141.50E 127 4.7b,4.5b
MOS IX 06 07 05 03.3–1.1 42.66N 141.15E 115 4.5b,4.5b
ISCJB IX 06 07 05 04.3–.21 42.57N–.03 141.31E–.03 129–1 4.3b,4.5b
IDC IX 06 07 05 04.7–1.1 42.61N 141.24E 120–9 4.0,3.9
NEIC IX 06 07 05 05.5 42.57N 141.29E 121 4.3b,3.9
JMA IX 06 07 05 05.5–.10 42.57N 141.29E 121–1 3.9,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s216.00000°,δ86.00000°,λ77.00000°. NP2:ϕ_s111.00000°,δ13.00000°,λ164.00000°. $M_0$3.07000×10^{15}
MOS Error ellipse: s-maj=9.4km s-min=6.5km az=98.6.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.4km az=143.6.
IDC Error ellipse: s-maj=14.6km s-min=10.8km az=127.0.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s127.00000°,δ23.00000°,λ173.00000°. NP2: ϕ_s223.00000°,δ87.00000°,λ67.00000°. Principal axes: T Plg43.0000°,Azm111.0000° ; N Plg23.0000°,Azm224.0000°; P Plg38.0000°,Azm334.0000°
ISC IX 07 06 39 30.1–.46 45.73N–.07 142.6E–.10 343–4 3.1b 42 1-84
ISCJB IX 07 06 39 29.3–.46 45.73N–.07 142.6E–.10 349–4 3.1b **¶11909692**
NEIC IX 07 06 39 29.4 45.81N 142.72E 346 3.3
IDC IX 07 06 39 29.5–.80 46.05N 142.49E 330–10 3.1,3.0
JMA IX 07 06 39 29.4–.20 45.81N 142.72E 346–2 3.3,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=10.5km az=7.5.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=22.6km s-min=17.9km az=162.0.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC IX 07 10 03 38.7–.46 42.28N–.04 143.03E–.08 57–3 3.8b 37 0-86
NIED IX 07 10 03 00 42.30N 143.00E 53 3.7W **¶11747648**
MOS IX 07 10 03 37.6–1.3 42.20N 142.97E 65 4.0b
ISCJB IX 07 10 03 37.6–.47 42.25N–.05 143.03E–.08 64–3 3.8b
NEIC IX 07 10 03 39.4 42.31N 143.02E 49 4.0b
IDC IX 07 10 03 39.0–1.9 42.30N 143.01E 61–15 3.7,3.6
JMA IX 07 10 03 39.3–.10 42.30N 143.02E 49–1 3.5,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ67.00000°,λ93.00000°. NP2:ϕ_s206.00000°,δ23.00000°,λ83.00000°. $M_0$4.46000×10^{14}
MOS Error ellipse: s-maj=23.7km s-min=11.8km az=98.2.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=7.1km az=19.8.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=24.0km s-min=12.8km az=94.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s233.00000°,δ30.00000°,λ112.00000°. NP2: ϕ_s28.00000°,δ63.00000°,λ78.00000°. Principal axes: T Plg70.0000°,Azm273.0000° ; N Plg11.0000°,Azm34.0000°; P Plg17.0000°,Azm127.0000°
ISC IX 10 16 35 18.9–.40 43.09N–.04 144.77E–.04 79–3 3.9b 68 0-72
SKHL IX 10 16 35 17.9–1.3 43.00N 144.60E 82–4 5.7,5.5b **¶11909971**
ISCJB IX 10 16 35 17.8–.40 43.09N–.04 144.77E–.04 86–2 3.9b,5.5b
JMA IX 10 16 35 18.7–.10 43.09N 144.78E 77–1 4.0,5.5b
MOS IX 10 16 35 19.6–1.2 43.15N 144.57E 103 4.0b,5.5b
NEIC IX 10 16 35 20.2–.78 43.10N 144.69E 92–6 4.4b,5.5b
IDC IX 10 16 35 20.2–2.2 43.11N 144.68E 93–17 3.7,3.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.8km az=148.5.
JMA Event type se. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=18.2km s-min=11.3km az=109.2.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.0km az=94.0.
IDC Error ellipse: s-maj=22.0km s-min=16.3km az=82.0.
ISC IX 11 00 20 52.9–.07 41.94N–.02 143.83E–.01 39 7.1s,6.0b 1941 1-161
NIED IX 11 00 20 00 41.80N 144.20E 29 6.8W,6.0b **¶14099109**
BGS IX 11 00 20 43.6–2.0 40.92N 142.41E 33–0 7.2s,5.8b
IDC IX 11 00 20 47.7–2.1 41.91N 143.75E 9–12 7.1s,7.1
BJI IX 11 00 20 49.4 41.90N 143.78E 33 7.3s,7.2b
ISCJB IX 11 00 20 50.9–.07 41.90N–.02 143.86E–.01 37 7.1s,6.0b
NEIC IX 11 00 20 50.9–.12 41.89N 143.75E 25 7.0s,6.8W
JMA IX 11 00 20 51.3–.20 41.78N 144.15E 31–3 7.1,6.8W
MOS IX 11 00 20 51.0–1.2 41.93N 143.81E 42 7.2s,6.4b
DJA IX 11 00 20 53 42.02N 143.60E 16 7.1W,6.4b
SZGRF IX 11 00 20 54.5 42.87N 144.73E 33 7.8s,6.5b
GCMT IX 11 00 20 56.1–.10 41.79N 144.11E 20 6.8W,6.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ78.00000°,λ56.00000°. NP2:ϕ_s269.00000°,δ36.00000°,λ159.00000°. $M_0$1.97000×10^{19}
BGS Error ellipse: s-maj=206.2km s-min=514.4km az=-1.0.
IDC Error ellipse: s-maj=11.9km s-min=9.1km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=159.7.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=2.9km az=154.0. Felt [IV] at Sapporo. Felt at Hakodate and Otofuke. Also felt [IV] at Misawa, Honshu. Recorded [5L JMA] in southern Hokkaido. Recorded [3 JMA] in Aomori and Iwate; [2 JMA] in Akita, Miyagi and Yamagata; [1 JMA] in Fukushima, Gumma, Ibaraki and Tochigi, Honshu. A small tsunami was recorded at Hanasaki, Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s15.00000°,δ75.00000°,λ90.00000°. NP2: ϕ_s195.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm285.0000° ; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm105.0000° Moment Tensor Solution. s204 Moment tensor: Scale 10^{19}Nm; M_{rr}0.63 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-0.67 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.72 $M_{\phi r}$1.43 Best double couple: NP1:ϕ_s23.00000°,δ76.00000°,λ83.00000°. NP2:ϕ_s230.00000° ,δ16.00000°,λ116.00000°. Principal axes: T 1.5700,Plg58.0000°,Azm283.0000° ; N 0.4600,Plg6.0000°,Azm25.0000°; P -2.0300,Plg30.0000°,Azm119.0000° $M_0$1.90000×10^{19} Moment Tensor Solution. $M_0$2.00000×10^{19} Moment Tensor Solution. $M_0$1.70000×10^{19}
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=6.5km s-min=4.2km az=103.4. Fault plane solution: P-wave C122, D22 . Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000°,δ7.00000°,λ100.00000°. NP2: ϕ_s45.00000°,δ84.00000°,λ89.00000°. Principal axes: T Plg51.0000°,Azm314.0000° ; N Plg1.0000°,Azm45.0000°; P Plg39.0000°,Azm136.0000° $M_0$5.10000×10^{19}
SZGRF Hokkaido, Japan, region.
GCMT Event type se. Data Used: II IU IC G CN. LP body wave period 50 sec. Mantle waves from 104 sta. Surface waves: sta= 93, comp=192, per= 50. Moment Tensor Solution. s87,c165; s99,c202; Moment tensor: Scale 10^{19}Nm; M_{rr}0.79±.01 $M_{\theta\theta}$-0.33±.01; $M_{\phi\phi}$-0.47±.01; $M_{r\theta}$0.70±.02; $M_{\theta\phi}$-0.48 $M_{\phi r}$1.41±.02; Best double couple: NP1:ϕ_s235.00000°,δ15.00000° ,λ116.00000°. NP2:ϕ_s28.00000°,δ76.00000°,λ83.00000°. Principal axes: T 1.7600,Plg58.0000°,Azm289.0000°; N 0.0400,Plg7.0000°,Azm30.0000° ; P -1.8000,Plg31.0000°,Azm124.0000° $M_0$1.80000×10^{19}
ISC IX 11 00 32 47.9–.75 41.78N–.02 143.98E–.03 32–5 5.4s,5.3b 628 1-157
IDC IX 11 00 32 44.7–4.2 41.75N 144.11E 16–25 5.0,5.0 **¶13394030**
ISCJB IX 11 00 32 45.6–.80 41.72N–.02 143.99E–.03 29–5 5.4s,5.3b
JMA IX 11 00 32 46.0–.20 41.76N 144.22E 28–3 5.7,5.3b
BJI IX 11 00 32 47.3 41.79N 143.91E 36 5.6s,5.5b
MOS IX 11 00 32 47.8–1.1 41.79N 143.90E 43 5.6b,5.5b
NEIC IX 11 00 32 48.4–.72 41.75N 143.88E 35–6 5.3b,5.5b
SZGRF IX 11 00 32 56.1 43.19N 144.03E 33 5.5b,5.5b
ISC Event type fe.
IDC Error ellipse: s-maj=13.4km s-min=11.2km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.9km az=152.8.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=7.2km s-min=4.6km az=106.5.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.8km az=165.0. Recorded [2 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate.

SZGRF Hokkaido, Japan, region.
ISC IX 11 01 08 10.1–.72 41.72N–.03 144.09E–.04 28–5 5.5s,4.9b 300 1-152
IDC IX 11 01 08 05.4–.53 41.67N 144.15E 0 4.7,4.7 **¶11265485**
ISCJB IX 11 01 08 08.2–.77 41.66N–.03 144.13E–.04 29–5 5.5s,4.9b
JMA IX 11 01 08 08.7–.20 41.72N 144.25E 27–3 5.0,4.9b
BJI IX 11 01 08 08.9 41.76N 143.95E 27 5.5s,5.3
NEIC IX 11 01 08 10.1–1.3 41.68N 144.08E 30–8 5.0b,5.3
MOS IX 11 01 08 17.8–.83 42.96N 143.66E 45 5.2b,5.3
SZGRF IX 11 01 08 29.1 44.60N 142.61E 33 5.2b,5.3
ISC Event type fe.
IDC Error ellipse: s-maj=14.7km s-min=12.4km az=134.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.5km az=36.7.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=4.8km az=145.0. Recorded [2 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate.
MOS Error ellipse: s-maj=12.2km s-min=6.3km az=112.7.
SZGRF Hokkaido, Japan, region.
ISC IX 11 01 08 28.5–3.7 41.69N–.07 144.18E–.10 10–22 5.0b 88 3-154
IDC IX 11 01 08 26.5–.53 41.64N 144.17E 0 5.0,4.9b **¶11910018**
ISCJB IX 11 01 08 30.1–.44 41.63N–.07 144.16E–.09 33 5.0b,4.9b
SZGRF IX 11 01 08 38.9 43.03N 144.76E 33 5.3b,4.9b
IDC Error ellipse: s-maj=15.8km s-min=13.5km az=133.0.
ISCJB Error ellipse: s-maj=11.6km s-min=8.1km az=41.7.
SZGRF Hokkaido, Japan, region.
ISC IX 11 01 24 49.3–1.3 41.76N–.04 144.28E–.09 25–8 4.2b 87 1-86
IDC IX 11 01 24 45.4–.79 41.71N 144.19E 0 4.1,4.0b **¶11910020**
BJI IX 11 01 24 46.7 41.91N 144.39E 24 5.2b,5.1s
ISCJB IX 11 01 24 47.8–1.6 41.67N–.04 144.33E–.09 31–11 4.2b,5.1s
MOS IX 11 01 24 47.6–1.1 41.66N 144.26E 30 4.4b,5.1s
JMA IX 11 01 24 49.1–.20 41.72N 144.27E 26–3 4.3,5.1s
NEIC IX 11 01 24 49.2–1.3 41.71N 144.27E 26–8 4.5b,5.1s
ISC Event type fe.
IDC Error ellipse: s-maj=19.8km s-min=15.9km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.7km az=24.2.
MOS Error ellipse: s-maj=12.0km s-min=8.2km az=100.4.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=6.6km az=127.0. Recorded [1 JMA] in southeastern Hokkaido.
ISC IX 11 01 31 58.8–3.0 41.72N–.07 144.3E–.10 30–23 3.5b 17 1-66
IDC IX 11 01 31 54.2–1.3 41.62N 144.18E 0 3.6b,3.6 **¶11910022**
ISCJB IX 11 01 31 58.5–1.6 41.72N–.10 144.3E–.10 46–12 3.5b,3.6
JMA IX 11 01 31 58.3–.20 41.70N 144.27E 26–3 3.5,3.6
NEIC IX 11 01 31 59.6–1.7 41.65N 144.16E 35 3.5,3.6
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=25.6km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=14.4km az=35.5.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=18.1km az=173.0.
JMA IX 11 03 38 03.8–.20 41.86N 144.04E 45–4 3.5
¶14099177
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
ISC IX 11 04 01 00.6–.82 41.87N–.03 144.16E–.04 30–5 4.8b,4.8s 356 1-152
NIED IX 11 04 00 00 41.70N 144.30E 8 4.8W,4.8s **¶13394050**
IDC IX 11 04 00 54.7–.53 41.76N 144.32E 0 4.5,4.5
MOS IX 11 04 00 57.7–1.0 41.69N 144.17E 28 5.2b,4.5
JMA IX 11 04 00 58.6–.20 41.74N 144.32E 28–3 4.8,4.5
ISCJB IX 11 04 00 58.3–1.0 41.77N–.03 144.18E–.04 28–7 4.8b,4.8s
BJI IX 11 04 00 59.4 41.91N 144.02E 31 5.1b,4.9b
NEIC IX 11 04 00 59.6–1.9 41.79N 144.13E 24–13 4.9b,4.8W
SZGRF IX 11 04 01 04.0 43.21N 144.32E 33 5.0b,4.8W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ80.00000°,λ67.00000°. NP2:ϕ_s88.00000°,δ25.00000°,λ156.00000°. $M_0$2.10000×10^{16}
IDC Error ellipse: s-maj=15.8km s-min=12.3km az=128.0.
MOS Error ellipse: s-maj=8.1km s-min=4.9km az=107.9.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.7km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=4.7km az=153.0. Recorded [1 JMA] in southeastern Hokkaido. Moment Tensor Solution. $M_0$2.10000×10^{16}
SZGRF Hokkaido, Japan, region.
ISC IX 11 04 57 02.6–.80 41.75N–.03 144.18E–.02 27–5 4.9b,4.6s 545 1-154
IDC IX 11 04 56 58.0–.83 41.74N 144.21E 0 4.8,4.8 **¶14099207**
NIED IX 11 04 57 00 41.70N 144.30E 20 4.8W,4.8
ISCJB IX 11 04 57 00.6–.79 41.69N–.03 144.18E–.02 27–5 4.9b,4.6s
BJI IX 11 04 57 00.5 41.80N 144.11E 23 5.0b,5.0b
JMA IX 11 04 57 01.7–.20 41.72N 144.28E 27–3 4.9,5.0b
MOS IX 11 04 57 01.9–.96 41.78N 144.14E 34 5.2b,4.5s
NEIC IX 11 04 57 02.3–.90 41.72N 144.16E 26–6 5.0b,4.7W
SZGRF IX 11 04 57 16.6 43.65N 142.90E 33 5.1b,4.7W
ISC Event type fe.
IDC Error ellipse: s-maj=13.0km s-min=11.0km az=129.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s201.00000°,δ67.00000°,λ50.00000°. NP2:ϕ_s86.00000°,δ45.00000°,λ147.00000°. $M_0$1.62000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=161.3.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=7.2km s-min=4.6km az=107.3.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.1km az=155.0. Recorded [2 JMA] in southeastern Hokkaido. Moment Tensor Solution. $M_0$1.60000×10^{16}
SZGRF Hokkaido, Japan, region.
ISC IX 11 05 03 14.3–.57 41.76N–.05 143.95E–.08 35 3.8b 36 1-154
IDC IX 11 05 03 07.6–1.7 41.46N 143.95E 0 4.0,3.8b **¶14099210**
ISCJB IX 11 05 03 12.0–.56 41.67N–.04 144.02E–.08 33 3.8b,3.8b
MOS IX 11 05 03 13.3–1.1 41.74N 143.98E 44 4.2b,3.8b
JMA IX 11 05 03 13.5–.20 41.81N 144.04E 34–4 4.0,3.8b
NEIC IX 11 05 03 13.5 41.81N 144.04E 34 4.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=25.3km az=16.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.3km az=28.3.
MOS Error ellipse: s-maj=28.5km s-min=14.3km az=83.3.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.
ISC IX 11 05 29 50.2–.78 41.71N–.06 144.32E–.10 35 3.4b 18 1-86
IDC IX 11 05 29 45.2–1.1 41.56N 144.58E 0 3.8,3.6 **¶14099215**
ISCJB IX 11 05 29 48.9–.86 41.69N–.07 144.42E–.10 33 3.4b,3.6
JMA IX 11 05 29 48.7–.20 41.70N 144.35E 25–2 3.6,3.6
NEIC IX 11 05 29 48.8 41.70N 144.35E 25 3.6,3.6
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=25.1km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=10.1km az=12.4.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.
ISC IX 11 05 44 09.6–1.6 41.71N–.09 144.3E–.20 39–11 3.7b 19 1-66
NIED IX 11 05 44 00 41.70N 144.20E 32 3.9W **¶11747682**
IDC IX 11 05 44 05.0–2.6 41.52N 143.84E 0 3.9b,3.9
ISCJB IX 11 05 44 07.3–1.5 41.63N–.07 144.4E–.20 45–10 3.7b,3.9
JMA IX 11 05 44 09.1–.20 41.73N 144.23E 31–3 3.9,3.9
NEIC IX 11 05 44 09.1 41.73N 144.23E 31 3.9,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ86.00000°,λ-24.00000°. NP2:ϕ_s86.00000°,δ66.00000°,λ-175.00000°. $M_0$6.74000×10^{14}
IDC Error ellipse: s-maj=47.5km s-min=35.9km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=10.3km az=21.7.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.
ISC IX 11 06 36 51.1–3.4 41.72N–.07 144.3E–.10 31–24 3.5b 16 1-66
NIED IX 11 06 36 00 41.70N 144.30E 23 3.9W **¶11747683**
IDC IX 11 06 36 48.5–1.2 41.50N 143.64E 0 3.7,3.6b
ISCJB IX 11 06 36 51.0–1.6 41.73N–.10 144.4E–.10 49–13 3.5b,3.6b
JMA IX 11 06 36 50.5–.20 41.69N 144.30E 27–2 3.6,3.6b
NEIC IX 11 06 36 50.6 41.69N 144.30E 27 3.6,3.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ75.00000°,λ70.00000°. NP2:ϕ_s254.00000°,δ25.00000°,λ142.00000°. $M_0$8.50000×10^{14}
IDC Error ellipse: s-maj=34.9km s-min=24.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=12.8km az=41.2.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.
ISC IX 11 08 51 02.0–2.5 41.67N–.08 144.5E–.10 4–13 3.5b 17 1-62
NIED IX 11 08 51 00 41.60N 144.30E 23 3.7W **¶11747685**
IDC IX 11 08 51 00.9–4.8 41.71N 144.69E 0 3.6b,3.6
ISCJB IX 11 08 51 01.5–2.3 41.59N–.06 144.5E–.10 13–13 3.5b,3.6
JMA IX 11 08 51 05.2–.40 41.65N 144.27E 29–3 3.5,3.6
NEIC IX 11 08 51 05.2 41.65N 144.27E 29 3.5,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ76.00000°,λ42.00000°. NP2:ϕ_s273.00000°,δ49.00000°,λ161.00000°. $M_0$4.05000×10^{14}
IDC Error ellipse: s-maj=156.2km s-min=29.9km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=9.5km az=10.1.
JMA Error ellipse: s-maj=5.6km s-min=1.7km az=-1.0.
NEIC Event type se. After JMA.
ISC IX 11 10 07 47.8–1.5 41.75N–.06 144.24E–.09 26–10 3.5b 23 1-86
NIED IX 11 10 07 00 41.80N 144.30E 23 3.9W **¶11747687**
IDC IX 11 10 07 43.7–.97 41.67N 144.31E 0 3.7,3.7
ISCJB IX 11 10 07 46.5–2.5 41.67N–.07 144.29E–.09 31–18 3.5b,3.7
JMA IX 11 10 07 47.5–.20 41.75N 144.28E 34–3 3.9,3.7
NEIC IX 11 10 07 47.6 41.75N 144.28E 34 3.9,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ65.00000°,λ59.00000°. NP2:ϕ_s255.00000°,δ39.00000°,λ138.00000°. $M_0$8.40000×10^{14}
IDC Error ellipse: s-maj=26.7km s-min=21.9km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=10.7km az=141.3.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.
ISC IX 11 10 53 23.6–2.6 41.76N–.05 144.3E–.10 31–19 3.7b 23 1-85
NIED IX 11 10 53 00 41.80N 144.30E 23 3.9W **¶11747688**
IDC IX 11 10 53 18.9–1.1 41.71N 144.33E 0 3.9,3.7
ISCJB IX 11 10 53 22.5–1.1 41.70N–.06 144.3E–.10 41–9 3.7b,3.7
JMA IX 11 10 53 23.3–.20 41.77N 144.27E 33–3 3.9,3.7
NEIC IX 11 10 53 23.4 41.77N 144.27E 33 3.9,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ61.00000°,λ71.00000°. NP2:ϕ_s237.00000°,δ34.00000°,λ120.00000°. $M_0$8.62000×10^{14}
IDC Error ellipse: s-maj=26.9km s-min=23.1km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=9.1km az=27.3.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.
ISC IX 11 22 34 46.1–.08 42.43N–.02 144.55E–.02 43 5.1b,4.6s 1039 1-154
NIED IX 11 22 34 00 42.40N 144.80E 29 4.9W,4.6s **¶13394136**
DJA IX 11 22 34 41 42.46N 144.85E 10 5.5b,4.6s
IDC IX 11 22 34 43.5–3.5 42.42N 144.64E 26–23 4.9,4.9
SKHL IX 11 22 34 43.8–.80 42.30N 144.60E 40–9 5.7s,5.6
MOS IX 11 22 34 43.9–.90 42.40N 144.56E 41 5.3b,4.6s
ISCJB IX 11 22 34 44.0–.08 42.39N–.02 144.56E–.02 41 5.1b,4.6s
JMA IX 11 22 34 44.0 42.39N 144.74E 42–1 5.2,4.6s
BJI IX 11 22 34 44.1 42.45N 144.53E 42 5.2b,5.1b
NEIC IX 11 22 34 45.7–.31 42.42N 144.55E 41–2 5.1b,4.9W
GCMT IX 11 22 34 46.8–.30 42.43N 144.62E 33–0 5.0W,4.9W
SZGRF IX 11 22 35 06.3 45.40N 141.27E 42 5.1b,4.9W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s264.00000°,δ62.00000°,λ-76.00000°. NP2:ϕ_s55.00000°,δ31.00000°,λ-115.00000°. $M_0$2.87000×10^{16}
IDC Error ellipse: s-maj=12.8km s-min=10.6km az=98.0.
MOS Event type fe. Error ellipse: s-maj=6.0km s-min=4.1km az=101.5. Felt (II) at Yuzhno-Kuril'sk. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.5km az=152.5.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.1km az=154.0. Recorded [3 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori. Moment Tensor Solution. $M_0$2.90000×10^{16}
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s41,c59; s75,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.81±.19 $M_{\theta\theta}$3.45±.11; $M_{\phi\phi}$0.36±.11; $M_{r\theta}$1.87±.12; $M_{\theta\phi}$0.88±.08; $M_{\phi r}$-0.92±.11; Best double couple: NP1:ϕ_s61.00000°,δ35.00000°,λ-116.00000°. NP2:ϕ_s272.00000°,δ59.00000°,λ-72.00000°. Principal axes: T 4.0200,Plg12.0000° ,Azm350.0000°; N 0.4900,Plg15.0000°,Azm83.0000°; P -4.5100,Plg71.0000°,Azm222.0000° $M_0$4.30000×10^{16}
SZGRF Hokkaido, Japan, region.
ISC IX 12 00 39 56.4–.66 42.36N–.04 144.75E–.06 43–6 3.8b 61 1-65
NIED IX 12 00 39 00 42.40N 144.70E 35 3.8W **¶11747699**
IDC IX 12 00 39 51.1–1.2 42.43N 144.79E 0 3.9,3.8b
ISCJB IX 12 00 39 55.0–.68 42.31N–.04 144.75E–.06 51–5 3.8b,3.8b
MOS IX 12 00 39 55.2–1.0 42.28N 144.67E 52 4.2b,3.8b
JMA IX 12 00 39 56.1 42.38N 144.74E 42–1 4.0,3.8b
NEIC IX 12 00 39 57.1–1.1 42.37N 144.65E 49–10 4.1b,3.8b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ72.00000°,λ-147.00000°. NP2:ϕ_s310.00000°,δ59.00000°,λ-22.00000°. $M_0$5.00000×10^{14}
IDC Error ellipse: s-maj=25.6km s-min=17.6km az=57.0.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=4.9km az=43.8.
MOS Error ellipse: s-maj=13.7km s-min=10.1km az=89.4.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=12.1km s-min=9.6km az=104.0. Recorded [1 JMA] in southeastern Hokkaido.
ISC IX 12 05 12 35.9–.55 44.03N–.07 144.40E–.08 201–4 3.4b 30 0-64
ISCJB IX 12 05 12 34.9–.55 44.04N–.07 144.41E–.08 205–4 3.4b **¶11910092**
JMA IX 12 05 12 36.4–.30 44.11N 144.38E 198–2 3.0
IDC IX 12 05 12 37.6–2.4 44.65N 144.33E 186–29 3.4,3.3b
ISCJB Error ellipse: s-maj=11.7km s-min=9.5km az=17.4.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=126.8km s-min=22.1km az=167.0.
ISC IX 12 19 36 11.3–.52 41.87N–.04 141.44E–.05 132–4 3.3b 38 0-62
IDC IX 12 19 35 58.9–1.7 41.28N 140.62E 0 3.5,3.4b **¶11910125**
ISCJB IX 12 19 36 10.4–.53 41.87N–.04 141.43E–.06 134–4 3.3b,3.4b
JMA IX 12 19 36 11.8–.10 41.89N 141.43E 128–1 3.0,3.4b
IDC Error ellipse: s-maj=40.8km s-min=29.0km az=79.0.
ISCJB Error ellipse: s-maj=8.0km s-min=4.7km az=38.3.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
JMA IX 14 09 33 37.0–.20 41.79N 144.01E 39–4 3.5
NIED IX 14 09 33 00 41.80N 144.00E 17 3.4W **¶11747731**
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s54.00000°,δ89.00000°,λ-74.00000°. NP2:ϕ_s149.00000°,δ16.00000°,λ-175.00000°. $M_0$1.63000×10^{14}
ISC IX 14 16 25 12.9–2.1 41.74N–.06 144.5E–.10 8–10 3.7b 24 1-66
NIED IX 14 16 25 00 41.70N 144.30E 20 3.8W **¶11747733**
IDC IX 14 16 25 09.7–1.9 41.80N 144.90E 0 3.8,3.7
ISCJB IX 14 16 25 11.7–1.8 41.62N–.05 144.6E–.10 17–11 3.7b,3.7
NEIC IX 14 16 25 12.9–6.7 41.75N 144.51E 12–35 3.8b,3.7
JMA IX 14 16 25 15.5–.30 41.73N 144.30E 28–3 3.9,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ68.00000°,λ51.00000°. NP2:ϕ_s256.00000°,δ44.00000°,λ147.00000°. $M_0$6.47000×10^{14}
IDC Error ellipse: s-maj=40.1km s-min=20.8km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=8.4km az=15.1.
NEIC Event type se. Error ellipse: s-maj=36.2km s-min=11.1km az=88.0.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
ISC IX 15 07 53 01.0–.81 41.78N–.03 144.07E–.03 23–5 5.1b,4.6s 548 1-154
IDC IX 15 07 52 56.4–.43 41.70N 144.17E 0 4.9b,4.9 **¶11277568**
ISCJB IX 15 07 52 58.4–.81 41.73N–.03 144.06E–.03 18–5 5.1b,4.6s
DJA IX 15 07 52 59 41.74N 144.25E 10 5.3b,4.6s
BJI IX 15 07 53 00.6 41.80N 143.94E 30 5.2b,5.2b
JMA IX 15 07 53 00.3–.20 41.73N 144.27E 27–3 4.9,5.2b
NIED IX 15 07 53 00 41.70N 144.30E 23 4.9W,5.2b
NEIC IX 15 07 53 01.6–1.4 41.72N 144.07E 30–9 5.0b,4.9W

MOS IX 15 07 53 02.8–.93 42.25N 143.96E 33 5.4b,4.7s
GCMT IX 15 07 53 04.4–.40 41.62N 144.28E 22–2 4.9W,4.7s
SZGRF IX 15 07 53 06.5 42.64N 144.90E 33 5.3b,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=12.9km s-min=11.7km az=127.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=152.4.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ86.00000°,λ13.00000°. NP2:ϕ_s95.00000°,δ77.00000°,λ176.00000°. $M_0$2.45000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.3km az=160.0. Recorded [2 JMA] in southeastern Hokkaido. Moment Tensor Solution. $M_0$2.50000×10^{16}
MOS Error ellipse: s-maj=7.2km s-min=4.3km az=110.6.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s23,c26; s57,c78; Moment tensor: Scale 10^{16}Nm; M_{rr}1.25±.19 $M_{\theta\theta}$-0.63±.12; $M_{\phi\phi}$-0.63±.13; $M_{r\theta}$2.39±.36; $M_{\theta\phi}$-1.62±.10; $M_{\phi r}$1.47±.25; Best double couple: NP1:ϕ_s198.00000°,δ20.00000°,λ49.00000°. NP2:ϕ_s60.00000°,δ75.00000°,λ103.00000°. Principal axes: T 2.9100,Plg58.0000° ,Azm348.0000°; N 0.8400,Plg13.0000°,Azm237.0000°; P -3.7600,Plg29.0000° ,Azm139.0000° $M_0$3.30000×10^{16}
SZGRF Hokkaido, Japan, region.

ISC IX 15 08 02 45.0–2.1 41.67N–.04 144.25E–.08 22–15 3.9b 59 1-71
NIED IX 15 08 02 00 41.70N 144.30E 23 4.0W **¶13394372**
IDC IX 15 08 02 41.9–.97 41.65N 144.07E 0 3.9b,3.9
ISCJB IX 15 08 02 44.4–.89 41.61N–.05 144.34E–.08 36–7 3.9b,3.9
MOS IX 15 08 02 44.4–.97 41.63N 144.26E 35 4.3b,3.9
JMA IX 15 08 02 45.9–.20 41.71N 144.27E 27–3 4.0,3.9
NEIC IX 15 08 02 47.2–1.4 41.66N 144.14E 37–11 4.4b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ76.00000°,λ48.00000°. NP2:ϕ_s270.00000°,δ44.00000°,λ159.00000°. $M_0$1.04000×10^{15}
IDC Error ellipse: s-maj=24.2km s-min=18.7km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=6.2km az=36.7.
MOS Error ellipse: s-maj=15.2km s-min=9.6km az=93.0.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.6km az=95.0.

ISC IX 16 16 20 03.3–.36 42.54N–.04 143.54E–.05 51–4 3.8b,3.0s 56 0-86
NIED IX 16 16 20 00 42.50N 143.50E 50 4.0W,3.0s **¶11747756**
MOS IX 16 16 20 01.3–1.3 42.54N 143.45E 52 4.3b,3.0s
ISCJB IX 16 16 20 02.0–.36 42.51N–.04 143.56E–.05 59–3 3.8b,3.0s
NEIC IX 16 16 20 02.7–.55 42.56N 143.63E 51 3.8b,3.0s
JMA IX 16 16 20 03.0–.10 42.52N 143.47E 55–1 4.0,3.0s
IDC IX 16 16 20 03.4–.87 42.51N 143.53E 53–8 3.8,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s298.00000°,δ64.00000°,λ-135.00000°. NP2:ϕ_s184.00000°,δ51.00000°,λ-35.00000°. $M_0$1.26000×10^{15}
MOS Error ellipse: s-maj=23.5km s-min=9.5km az=66.6.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.0km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=17.5km s-min=8.2km az=120.0. Recorded [2 JMA] in southeastern Hokkaido.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=18.8km s-min=16.4km az=109.0.

ISC IX 16 18 38 31.1–1.4 41.99N–.04 145.60E–.08 7–8 3.8b,3.2s 33 1-71
NIED IX 16 18 38 00 41.90N 145.80E 11 3.8W,3.2s **¶11747758**
ISCJB IX 16 18 38 30.4–1.5 41.91N–.04 145.65E–.08 17–10 3.8b,3.2s
JMA IX 16 18 38 30.5–.30 41.91N 145.75E 28–2 4.0,3.2s
IDC IX 16 18 38 30.1–1.1 41.86N 145.57E 0 3.9,3.8
NEIC IX 16 18 38 34.3–5.0 41.83N 145.54E 29–36 4.0,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ61.00000°,λ63.00000°. NP2:ϕ_s239.00000°,δ38.00000°,λ130.00000°. $M_0$6.24000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.1km az=3.1.
JMA Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=23.7km s-min=20.0km az=120.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=15.4km az=105.0.

ISC IX 17 01 47 18.6–1.4 41.77N–.04 143.98E–.07 25–10 3.9b 42 1-86
NIED IX 17 01 47 00 41.80N 144.00E 23 3.9W **¶11747759**
IDC IX 17 01 47 14.7–.78 41.75N 144.01E 0 4.0,3.9
ISCJB IX 17 01 47 17.9–.89 41.69N–.05 144.00E–.08 37–7 3.9b,3.9
JMA IX 17 01 47 18.9–.20 41.78N 143.99E 35–4 4.0,3.9
NEIC IX 17 01 47 19.9–.73 41.76N 143.93E 36–7 4.1b,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s278.00000°,δ88.00000°,λ13.00000°. NP2:ϕ_s188.00000°,δ77.00000°,λ178.00000°. $M_0$9.10000×10^{14}
IDC Error ellipse: s-maj=21.2km s-min=16.3km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.0km az=30.8.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.4km az=137.0.

ISC IX 17 02 31 13.9–.42 42.84N–.04 144.17E–.04 80–3 3.7b 59 0-85
ISCJB IX 17 02 31 13.0–.43 42.84N–.04 144.17E–.04 86–3 3.7b **¶11910442**
JMA IX 17 02 31 13.6–.10 42.85N 144.18E 82–1 3.4
NEIC IX 17 02 31 14.9–.84 42.90N 144.09E 88–9 4.0b
MOS IX 17 02 31 17.0–1.3 43.37N 144.05E 100 4.0b
IDC IX 17 02 31 18.3–2.9 43.18N 144.06E 107–17 3.7,3.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.5km az=152.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s51.00000°,δ35.00000°,λ137.00000°. NP2: ϕ_s178.00000°,δ67.00000°,λ63.00000°. Principal axes: T Plg59.0000°,Azm50.0000° ; N Plg25.0000°,Azm189.0000°; P Plg18.0000°,Azm288.0000°
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=13.3km az=193.0.
MOS Error ellipse: s-maj=21.1km s-min=16.2km az=47.6.
IDC Error ellipse: s-maj=39.9km s-min=17.8km az=172.0.

ISC IX 18 13 53 35.1–1.3 41.73N–.03 144.26E–.06 17–7 4.5b,3.9s 142 1-90
NIED IX 18 13 53 00 41.70N 144.30E 23 4.3W,3.9s **¶11339055**
BJI IX 18 13 53 33.3 41.77N 144.25E 22 5.0b,4.5b
ISCJB IX 18 13 53 34.6–1.1 41.68N–.04 144.23E–.06 28–7 4.5b,3.9s
NEIC IX 18 13 53 35.6–1.3 41.72N 144.22E 21–8 4.8b,4.2W
JMA IX 18 13 53 35.8–.20 41.71N 144.25E 29–3 4.4,4.2W
MOS IX 18 13 53 36.7–1.4 41.75N 144.07E 41 4.8b,4.2W
IDC IX 18 13 53 37.1–3.2 41.67N 144.20E 33–23 4.1,4.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ79.00000°,λ25.00000°. NP2:ϕ_s93.00000°,δ65.00000°,λ168.00000°. $M_0$2.83000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.1km az=31.1.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.6km az=126.0. Moment Tensor Solution. $M_0$2.80000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=9.2km s-min=6.1km az=108.3.
IDC Error ellipse: s-maj=20.2km s-min=14.5km az=109.0.

ISC IX 19 00 58 24.7–.90 42.01N–.07 144.50E–.08 35 3.5b 29 1-66
NIED IX 19 00 58 00 42.00N 144.50E 8 3.7W **¶11747778**
IDC IX 19 00 58 19.4–1.4 41.78N 144.61E 0 3.7,3.6b
JMA IX 19 00 58 22.7 42.00N 144.52E 25–1 3.7,3.6b
MOS IX 19 00 58 22.5–1.6 41.86N 144.61E 37 4.1b,3.6b
ISCJB IX 19 00 58 23.0–.87 41.96N–.06 144.55E–.07 33 3.5b,3.6b
NEIC IX 19 00 58 24.9–1.2 41.80N 144.44E 35 3.7,3.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s344.00000°,δ65.00000°,λ48.00000°. NP2:ϕ_s229.00000°,δ48.00000°,λ146.00000°. $M_0$4.54000×10^{14}
IDC Error ellipse: s-maj=35.1km s-min=26.7km az=70.0.
MOS Error ellipse: s-maj=25.6km s-min=17.0km az=108.9.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.9km az=143.0.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=20.7km az=216.0.

JMA IX 19 14 06 10.4–.10 43.23N 142.60E 138 0.5
¶15247902
JMA Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.

ISC IX 19 20 32 49.1–2.9 41.7N–.10 144.4E–.20 21–18 3.5b 12 1-44
JMA IX 19 20 32 49.6–.20 41.74N 144.31E 26–3 3.7 **¶11910653**
IDC IX 19 20 32 51.0–10 41.82N 143.70E 0 3.7b,3.6
JMA Error ellipse: s-maj=3.3km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=187.8km s-min=44.4km az=97.0.

ISC IX 19 21 19 13.5–.56 41.82N–.05 143.00E–.08 42–5 3.8b 47 0-92
NIED IX 19 21 19 00 41.90N 143.00E 44 3.9W **¶11747787**
IDC IX 19 21 19 07.0–.71 41.78N 143.03E 0 4.0,3.9
ISCJB IX 19 21 19 11.9–.58 41.76N–.05 143.01E–.08 46–5 3.8b,3.9
MOS IX 19 21 19 12.0–1.1 41.80N 142.95E 52 4.3b,3.9
JMA IX 19 21 19 13.4–.20 41.86N 143.03E 42–1 3.8,3.9
NEIC IX 19 21 19 13.9–1.1 41.80N 142.99E 49–10 3.9b,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ87.00000°,λ64.00000°. NP2:ϕ_s214.00000°,δ26.00000°,λ172.00000°. $M_0$8.76000×10^{14}
IDC Error ellipse: s-maj=20.8km s-min=16.7km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=7.1km az=28.8.
MOS Error ellipse: s-maj=19.0km s-min=11.1km az=78.7.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=9.0km az=107.0. Recorded [2 JMA] in southern Hokkaido.

ISC IX 20 09 30 24.6–2.7 41.75N–.08 144.3E–.20 24–17 3.5b 15 1-86
NIED IX 20 09 30 00 41.80N 144.20E 14 3.6W **¶11747796**
IDC IX 20 09 30 20.1–1.4 41.60N 144.41E 0 3.7,3.5b
ISCJB IX 20 09 30 23.9–2.0 41.7N–.10 144.4E–.20 36–15 3.5b,3.5b
JMA IX 20 09 30 25.5–.20 41.75N 144.19E 26–3 3.5,3.5b
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ57.00000°,λ116.00000°. NP2:ϕ_s177.00000°,δ41.00000°,λ56.00000°. $M_0$3.26000×10^{14}
IDC Error ellipse: s-maj=42.4km s-min=25.5km az=60.0.
ISCJB Error ellipse: s-maj=24.0km s-min=14.1km az=135.4.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.

ISC IX 20 09 33 22.4–.86 41.73N–.07 144.2E–.10 35 3.5b 18 1-86
NIED IX 20 09 33 00 41.70N 144.20E 14 3.6W **¶11747797**
IDC IX 20 09 33 17.1–1.3 41.60N 144.24E 0 3.7,3.5b
ISCJB IX 20 09 33 20.1–.85 41.62N–.06 144.3E–.10 33 3.5b,3.5b
JMA IX 20 09 33 21.2–.20 41.74N 144.20E 27–3 3.6,3.5b
NEIC IX 20 09 33 21.3 41.74N 144.20E 27 3.6,3.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ55.00000°,λ110.00000°. NP2:ϕ_s178.00000°,δ40.00000°,λ65.00000°. $M_0$2.49000×10^{14}
IDC Error ellipse: s-maj=31.9km s-min=25.4km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=9.0km az=174.0.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.

ISC IX 20 11 05 22.4–.94 41.07N–.05 143.34E–.09 38–11 3.6b 28 1-66
IDC IX 20 11 05 11.4–3.8 40.80N 144.43E 0 3.8b,3.7 **¶11910694**
ISCJB IX 20 11 05 21.4–.95 41.06N–.05 143.36E–.09 49–10 3.6b,3.7
JMA IX 20 11 05 22.0–.10 41.08N 143.26E 47 3.4,3.7
IDC Error ellipse: s-maj=71.2km s-min=30.9km az=127.0.
ISCJB Error ellipse: s-maj=13.3km s-min=5.2km az=36.9.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

JMA IX 22 05 36 28.2–.10 42.34N 139.19E 23–1 3.5
¶14103257
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

ISC IX 22 07 31 59.1–.12 41.56N–.01 140.48E–.02 146–1 5.2b 1463 0-162
NIED IX 22 07 31 00 41.50N 140.60E 150 5.6W **¶13394938**
SZGRF IX 22 07 31 46.4 41.62N 141.73E 33 5.3b,4.8s
BJI IX 22 07 31 54.2 41.60N 140.77E 139 5.3b,5.2b
MOS IX 22 07 31 57.6–.97 41.58N 140.50E 147 5.2b,4.9s
IDC IX 22 07 31 59.0–.78 41.54N 140.51E 150–6 4.8,4.8
JMA IX 22 07 31 58.5–.10 41.54N 140.57E 152–1 5.6,4.8
ISCJB IX 22 07 31 58.1–.12 41.56N–.01 140.50E–.02 150–1 5.2b,4.8
NEIC IX 22 07 31 59.2–.42 41.58N 140.45E 149–3 5.6W,5.6W
BGS IX 22 07 31 59.2–1.9 41.68N 141.01E 137–0 4.8b,5.6W
GCMT IX 22 07 32 01.8–.10 41.46N 140.50E 152–0 5.6W,5.6W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ61.00000°,λ-132.00000°. NP2:ϕ_s88.00000°,δ49.00000°,λ-40.00000°. $M_0$3.10000×10^{17}
SZGRF Hokkaido, Japan, region.
MOS Error ellipse: s-maj=5.7km s-min=3.8km az=98.6.
IDC Error ellipse: s-maj=7.9km s-min=5.7km az=109.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=146.2.
NEIC Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=157.0. Felt at Furano. Felt [III] at Misawa, Honshu. Also felt at Kuroishi. Recorded [2 JMA] in southeastern Hokkaido and [1 JMA] on Okushiri-to. Recorded [3 JMA] in Aomori; [2 JMA] in Akita, Iwate, Miyagi, Tochigi and Yamagata; [1 JMA] in Fukushima, Ibaraki and Saitama, Honshu. Moment Tensor Solution. s82 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.63 $M_{\theta\theta}$2.48 $M_{\phi\phi}$0.14 $M_{r\theta}$-0.62 $M_{\theta\phi}$1.98 $M_{\phi r}$1.42 Best double couple: NP1:ϕ_s88.00000°,δ51.00000°,λ-49.00000°. NP2:ϕ_s213.00000° ,δ54.00000°,λ-129.00000°. Principal axes: T 3.6200,Plg1.0000°,Azm329.0000° ; N -0.0700,Plg30.0000°,Azm238.0000°; P -3.5600,Plg59.0000°,Azm62.0000° $M_0$3.60000×10^{17} Moment Tensor Solution. $M_0$3.10000×10^{17}
BGS Error ellipse: s-maj=514.7km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=237, per= 50. Moment Tensor Solution. s95,c168; s31,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.26±.04 $M_{\theta\theta}$2.17±.05; $M_{\phi\phi}$0.09±.05; $M_{r\theta}$-0.55±.04; $M_{\theta\phi}$2.34±.04; $M_{\phi r}$1.74±.04; Best double couple: NP1:ϕ_s89.00000°,δ52.00000°,λ-39.00000°. NP2:ϕ_s205.00000°,δ61.00000°,λ-135.00000°. Principal axes: T 3.7300,Plg5.0000°,Azm325.0000°; N -0.0600,Plg38.0000°,Azm231.0000° ; P -3.6700,Plg52.0000°,Azm62.0000° $M_0$3.70000×10^{17}

ISC IX 23 04 18 33.7–.58 44.87N–.10 141.8E–.10 289–7 3.2b 25 0-72
ISCJB IX 23 04 18 32.9–.58 44.89N–.10 141.8E–.10 294–7 3.2b **¶11910873**
IDC IX 23 04 18 33.2–.71 44.95N 141.64E 282–13 3.3,3.0b
JMA IX 23 04 18 33.1–.20 45.05N 141.69E 284 3.3,3.0b
ISCJB Error ellipse: s-maj=15.7km s-min=13.1km az=166.9.
IDC Error ellipse: s-maj=40.5km s-min=18.9km az=163.0.
JMA Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.

ISC IX 24 15 53 22.0–.27 44.81N–.04 142.15E–.07 258–3 3.6b 91 0-150
NIED IX 24 15 53 00 44.90N 142.10E 240 3.9W **¶11747858**
ISCJB IX 24 15 53 21.1–.27 44.81N–.04 142.17E–.07 264–3 3.6b
IDC IX 24 15 53 21.8–.43 44.93N 142.13E 253–4 3.5,3.4
NEIC IX 24 15 53 21.9–.41 44.88N 142.04E 254–5 3.9b,3.4
MOS IX 24 15 53 21.1–.91 44.88N 142.09E 262 4.0b,3.4
JMA IX 24 15 53 21.6–.20 44.90N 142.13E 260–2 3.9,3.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s295.00000°,δ64.00000°,λ-112.00000°. NP2:ϕ_s157.00000°,δ33.00000°,λ-52.00000°. $M_0$9.44000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.6km az=28.1.
IDC Error ellipse: s-maj=14.4km s-min=11.4km az=101.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.1km az=116.0.
MOS Error ellipse: s-maj=16.6km s-min=9.9km az=82.6.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

ISC IX 25 00 36 22.6–1.4 41.88N–.04 144.06E–.07 24–9 3.7b 33 1-86
NIED IX 25 00 36 00 41.90N 144.10E 20 4.0W **¶11747864**
IDC IX 25 00 36 18.6–1.1 41.75N 144.00E 0 3.9,3.7b
ISCJB IX 25 00 36 22.2–1.0 41.82N–.05 144.07E–.08 36–9 3.7b,3.7b
JMA IX 25 00 36 23.1–.10 41.89N 144.05E 35–3 3.8,3.7b
NEIC IX 25 00 36 24.3–.56 41.91N 143.92E 35 3.8,3.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ49.00000°,λ114.00000°. NP2:ϕ_s173.00000°,δ46.00000°,λ64.00000°. $M_0$1.16000×10^{15}
IDC Error ellipse: s-maj=27.5km s-min=23.3km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=7.5km az=37.6.
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.2km az=123.0.

ISC IX 28 16 24 42.4–1.5 41.92N–.05 144.0E–.10 27–10 3.7b 22 1-66
NIED IX 28 16 24 00 41.90N 144.00E 14 3.7W **¶14105535**
IDC IX 28 16 24 38.0–1.1 41.84N 144.13E 0 3.7,3.6b
ISCJB IX 28 16 24 42.0–1.2 41.88N–.06 144.0E–.10 42–10 3.7b,3.6b
JMA IX 28 16 24 42.1–.10 41.89N 144.05E 36–3 3.9,3.6b
NEIC IX 28 16 24 42.1 41.89N 144.05E 36 3.9,3.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ51.00000°,λ111.00000°. NP2:ϕ_s181.00000°,δ44.00000°,λ66.00000°. $M_0$3.89000×10^{14}
IDC Error ellipse: s-maj=30.7km s-min=19.0km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=9.6km az=21.5.
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.

JMA X 01 19 33 25.0–.20 41.75N 144.21E 26–4 3.5
¶14106693
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
ISC X 02 01 41 16.6–.42 41.42N–.04 142.15E–.05 60–4 4.0b 49 1-76
ISCJB X 02 01 41 15.7–.41 41.42N–.03 142.15E–.05 68–4 3.9b **¶11911675**
JMA X 02 01 41 16.2–.10 41.44N 142.12E 61–2 3.4
NEIC X 02 01 41 17.5–.69 41.45N 142.30E 73–7 3.4
IDC X 02 01 41 18.1–1.9 41.43N 142.33E 80–15 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.5km az=38.3.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.3km az=126.0.
IDC Error ellipse: s-maj=22.9km s-min=13.2km az=112.0.
ISC X 03 19 22 57.6–.27 41.93N–.03 142.35E–.04 67–2 4.0b 157 0-87
NIED X 03 19 22 00 41.90N 142.30E 53 4.1W **¶13395905**
MOS X 03 19 22 56.2–.97 41.94N 142.43E 75 4.5b
ISCJB X 03 19 22 56.6–.26 41.93N–.03 142.36E–.04 74–2 4.0b
JMA X 03 19 22 57.2–.20 41.91N 142.35E 68–3 4.0
IDC X 03 19 22 58.4–.62 41.96N 142.31E 71–5 4.0,3.9
NEIC X 03 19 22 58.3–.32 41.97N 142.37E 74 4.3b,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s89.00000°,δ81.00000°,λ116.00000°. NP2:ϕ_s197.00000°,δ27.00000°,λ20.00000°. $M_0$1.74000×10^{15}
MOS Error ellipse: s-maj=11.4km s-min=7.0km az=83.7.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=42.6.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=13.2km s-min=7.5km az=102.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=6.2km az=133.0. Recorded [2 JMA] in southwestern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu.
JMA X 04 07 24 17.3–.10 45.03N 141.95E 10–3 3.5
¶15148019
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
JMA X 04 07 24 55.1–.10 45.03N 141.95E 10–3 3.5
¶11328041
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC X 04 17 48 03.9–.48 45.74N–.07 142.9E–.10 324–5 2.8b 38 1-84
ISCJB X 04 17 48 03.2–.49 45.73N–.07 143.0E–.10 329–5 2.8b **¶12065921**
JMA X 04 17 48 03.9–.10 45.76N 142.80E 326 2.8
NEIC X 04 17 48 03.4–.59 45.85N 142.65E 321–8 2.8
IDC X 04 17 48 03.2–1.4 45.97N 142.57E 314–25 3.1,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=11.1km az=173.6.
JMA Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=10.9km az=114.0.
IDC Error ellipse: s-maj=43.6km s-min=23.9km az=158.0.
ISC X 05 01 54 07.6–.28 41.94N–.03 142.30E–.03 63–2 4.4b 233 0-89
BJI X 05 01 53 53.6 41.30N 143.22E 33 4.8b,4.6b **¶13396022**
NIED X 05 01 54 00 41.90N 142.30E 56 4.2W,4.6b
ISCJB X 05 01 54 06.7–.28 41.95N–.03 142.30E–.03 69–2 4.3b,4.6b
JMA X 05 01 54 06.8–.20 41.91N 142.32E 69–3 3.8,4.6b
MOS X 05 01 54 06.4–.93 42.00N 142.24E 64 4.7b,4.6b
NEIC X 05 01 54 07.1–.59 42.01N 142.25E 57–5 4.5b,4.1W
IDC X 05 01 54 09.3–.67 42.04N 142.24E 77–5 4.0,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ64.00000°,λ70.00000°. NP2:ϕ_s240.00000°,δ32.00000°,λ124.00000°. $M_0$2.09000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=147.3.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s163.00000°,δ14.00000°,λ37.00000°. NP2: ϕ_s36.00000°,δ82.00000°,λ101.00000°. Principal axes: T Plg52.0000°,Azm319.0000° ; N Plg11.0000°,Azm215.0000°; P Plg36.0000°,Azm117.0000°
MOS Error ellipse: s-maj=9.1km s-min=6.0km az=102.7.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.0km az=165.0. Recorded [1 JMA] in southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$2.10000×10^{15}
IDC Error ellipse: s-maj=13.4km s-min=7.4km az=104.0.
ISC X 06 19 54 16.5–.36 41.16N–.02 142.24E–.04 53–3 4.3b,3.5s 162 1-89
NIED X 06 19 54 00 41.20N 142.30E 44 4.3W,3.5s **¶13396251**
MOS X 06 19 54 15.3–.94 41.18N 142.26E 60 4.6b,3.5s
ISCJB X 06 19 54 15.6–.36 41.15N–.02 142.25E–.04 61–3 4.3b,3.5s
JMA X 06 19 54 15.9–.10 41.15N 142.28E 50–3 4.2,3.5s
IDC X 06 19 54 17.6–.56 41.17N 142.14E 63–5 3.9,3.8
NEIC X 06 19 54 17.6–.32 41.19N 142.23E 63 4.6b,4.3W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ74.00000°,λ103.00000°. NP2:ϕ_s161.00000°,δ21.00000°,λ51.00000°. $M_0$3.11000×10^{15}
MOS Error ellipse: s-maj=11.6km s-min=7.2km az=92.5.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.5km az=29.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=18.0km s-min=9.4km az=103.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.2km az=124.0. Moment Tensor Solution. $M_0$3.10000×10^{15}
ISC X 08 17 52 45.2–.22 41.13N–.02 142.30E–.03 58 4.7b,3.8s 346 1-147
NIED X 08 17 52 00 41.10N 142.40E 38 4.5W,3.8s **¶14109168**
BJI X 08 17 52 41.1 41.00N 142.63E 54 5.0b,4.8b
ISCJB X 08 17 52 43.2–.22 41.09N–.02 142.37E–.03 56 4.7b,3.8s
JMA X 08 17 52 43.1–.10 41.07N 142.44E 34–4 4.5,3.8s
MOS X 08 17 52 43.1–.92 41.25N 142.19E 46 4.9b,3.8s
SZGRF X 08 17 52 44.0 40.88N 143.13E 58 4.6b,3.8s
IDC X 08 17 52 45.7–1.8 41.10N 142.39E 66–15 4.3,4.3
NEIC X 08 17 52 45.1–.22 41.15N 142.29E 58 4.7b,4.5W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ73.00000°,λ100.00000°. NP2:ϕ_s178.00000°,δ20.00000°,λ61.00000°. $M_0$6.50000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.6km az=43.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s201.00000°,δ43.00000°,λ101.00000°. NP2: ϕ_s6.00000°,δ48.00000°,λ80.00000°. Principal axes: T Plg82.0000°,Azm212.0000° ; N Plg8.0000°,Azm13.0000°; P Plg3.0000°,Azm103.0000°
MOS Error ellipse: s-maj=8.4km s-min=5.2km az=110.2.
SZGRF Off east coast of Honshu, Japan.
IDC Error ellipse: s-maj=13.8km s-min=9.4km az=122.0.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=146.0. Recorded [2 JMA] in Aomori and Iwate, Honshu. Recorded [1 JMA] in southern Hokkaido. Moment Tensor Solution. $M_0$6.50000×10^{15}
ISC X 10 19 27 33.6–.28 41.49N–.02 142.01E–.03 60–2 4.7b 346 1-156
NIED X 10 19 27 00 41.50N 142.00E 53 4.5W **¶11344612**
MOS X 10 19 27 30.4–1.1 41.43N 141.89E 47 5.0b
BJI X 10 19 27 31.8 41.47N 142.02E 68 5.2b,4.8b
ISCJB X 10 19 27 32.7–.28 41.48N–.02 142.00E–.03 67–2 4.6b,4.8b
JMA X 10 19 27 33.3–.10 41.48N 142.01E 63–2 4.4,4.8b
NEIC X 10 19 27 34.3–.23 41.47N 141.93E 67 4.7b,4.5W
IDC X 10 19 27 34.4–.49 41.49N 141.90E 66–4 4.2,4.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ68.00000°,λ97.00000°. NP2:ϕ_s184.00000°,δ23.00000°,λ73.00000°. $M_0$7.11000×10^{15}
MOS Error ellipse: s-maj=8.3km s-min=5.1km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.2km az=38.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s195.00000°,δ17.00000°,λ84.00000°. NP2: ϕ_s21.00000°,δ73.00000°,λ92.00000°. Principal axes: T Plg62.0000°,Azm294.0000° ; N Plg2.0000°,Azm201.0000°; P Plg28.0000°,Azm110.0000°
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=139.0. Felt at Misawa, Honshu. Recorded [2 JMA] in southwestern Hokkaido. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu. Moment Tensor Solution. $M_0$7.10000×10^{15}
IDC Error ellipse: s-maj=12.3km s-min=7.8km az=105.0.
ISC X 13 07 24 35.9–1.4 41.17N–.03 142.54E–.07 26–14 24 1-88
NIED X 13 07 24 00 41.10N 142.60E 56 3.4W **¶11748723**
ISCJB X 13 07 24 36.0–.63 41.15N–.03 142.55E–.06 33 3.4W
JMA X 13 07 24 35.3–.10 41.14N 142.57E 27 3.7
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s328.00000°,δ87.00000°,λ35.00000°. NP2:ϕ_s236.00000°,δ55.00000°,λ177.00000°. $M_0$1.68000×10^{14}
ISCJB Error ellipse: s-maj=7.1km s-min=3.5km az=30.1.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC X 16 11 49 29.6–.22 42.58N–.03 142.71E–.03 110–1 4.6b 279 0-143
NIED X 16 11 49 00 42.60N 142.80E 107 4.2W **¶13397259**
MOS X 16 11 49 22.5–.78 42.94N 142.70E 46 5.0b
ISCJB X 16 11 49 28.6–.22 42.58N–.03 142.69E–.03 115–1 4.6b
BJI X 16 11 49 28.6 42.65N 142.62E 111 4.8b,4.7b
NEIC X 16 11 49 29.8–.39 42.62N 142.67E 110–3 4.7b,4.2W
JMA X 16 11 49 30.4–.10 42.64N 142.77E 107–2 4.2,4.2W
IDC X 16 11 49 30.2–1.1 42.65N 142.67E 114–7 4.1,4.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ62.00000°,λ144.00000°. NP2:ϕ_s123.00000°,δ58.00000°,λ34.00000°. $M_0$2.59000×10^{15}
MOS Error ellipse: s-maj=10.4km s-min=6.2km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=138.6.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.4km az=146.0. Recorded [2 JMA] in southern Hokkaido. Also recorded [2 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$2.60000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s1.00000°,δ41.00000°,λ156.00000°. NP2: ϕ_s109.00000°,δ75.00000°,λ51.00000°. Principal axes: T Plg46.0000°,Azm340.0000° ; N Plg37.0000°,Azm121.0000°; P Plg20.0000°,Azm227.0000°
IDC Error ellipse: s-maj=14.0km s-min=10.6km az=134.0.
ISC X 17 05 34 29.6–.36 42.64N–.04 143.14E–.05 115–2 3.8b 83 0-86
NIED X 17 05 34 00 42.70N 143.10E 130 3.8W **¶13397318**
MOS X 17 05 34 28.6–1.2 42.65N 143.13E 124 4.5b
ISCJB X 17 05 34 28.6–.36 42.65N–.04 143.13E–.05 121–2 3.8b
IDC X 17 05 34 29.8–1.5 42.66N 143.17E 117–10 3.7,3.6b
NEIC X 17 05 34 30.6 42.68N 143.14E 106 4.4b,3.6b
JMA X 17 05 34 30.5–.10 42.68N 143.14E 106–1 3.8,3.6b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s255.00000°,δ72.00000°,λ-67.00000°. NP2:ϕ_s22.00000°,δ29.00000°,λ-139.00000°. $M_0$5.09000×10^{14}
MOS Error ellipse: s-maj=19.1km s-min=11.3km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=5.2km az=147.9.
IDC Error ellipse: s-maj=18.4km s-min=15.2km az=127.0.
NEIC Event type se. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC X 17 06 29 00.2–.78 45.68N–.08 142.6E–.10 338–6 2.9b 25 1-42
IDC X 17 06 28 55.4–1.8 46.12N 142.51E 264–37 3.0,2.9b **¶12068864**
ISCJB X 17 06 28 59.3–.78 45.71N–.08 142.6E–.10 344–6 2.9b,2.9b
JMA X 17 06 28 59.7–.10 45.76N 142.55E 340 3.0,2.9b
IDC Error ellipse: s-maj=55.0km s-min=23.1km az=151.0.
ISCJB Error ellipse: s-maj=16.5km s-min=12.7km az=167.5.
JMA Error ellipse: s-maj=3.3km s-min=3.9km az=-1.0.
ISC X 19 00 38 17.9–.80 42.29N–.08 143.03E–.06 61–5 3.8b 20 0-70
IDC X 19 00 38 05.3–19 41.80N 143.54E 0 3.9b,3.9 **¶12069012**
ISCJB X 19 00 38 17.0–.80 42.29N–.08 143.03E–.06 67–5 3.8b,3.9
JMA X 19 00 38 18.7–.10 42.33N 143.01E 53–1 3.3,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=456.6km s-min=79.5km az=162.0.
ISCJB Event type fe. Error ellipse: s-maj=13.1km s-min=7.3km az=169.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC X 20 02 52 58.5–.59 42.89N–.04 145.64E–.05 36–4 4.7b,3.8s 297 0-155
NIED X 20 02 52 00 42.90N 145.70E 35 4.7W,3.8s **¶13397558**
IDC X 20 02 52 52.7–.57 42.90N 145.65E 0 4.6,4.5
BJI X 20 02 52 52.5 42.68N 145.97E 24 4.9b,4.6b
SZGRF X 20 02 52 54.4 42.80N 147.96E 33 4.5b,4.6b
ISCJB X 20 02 52 57.2–.67 42.86N–.04 145.65E–.05 41–4 4.7b,3.8s
JMA X 20 02 52 57.4–.10 42.88N 145.67E 42–1 4.2,3.8s
SKHL X 20 02 52 57.9–.90 42.80N 145.70E 35–3 5.1b,3.8s
MOS X 20 02 52 58.5–.99 43.03N 145.54E 45 4.9b,3.8s
NEIC X 20 02 52 58.5–.68 42.83N 145.69E 41–5 4.8b,4.7W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ67.00000°,λ74.00000°. NP2: ϕ_s224.00000°,δ28.00000°,λ123.00000°. $M_0$1.42000×10^{16}
IDC Error ellipse: s-maj=17.4km s-min=14.2km az=153.0.
SZGRF Off southeast coast of Hokkaido, Japan.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.5km az=139.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=9.9km s-min=5.3km az=112.6.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=5.5km az=145.0. Recorded [1 JMA] in eastern Hokkaido. Moment Tensor Solution. $M_0$1.40000×10^{16}
ISC X 22 22 47 04.4–.32 42.26N–.04 141.22E–.05 129–2 3.8b 56 0-67
JMA X 22 22 47 04.9–.10 42.28N 141.21E 126–1 2.8 **¶12070847**
NEIC X 22 22 47 04.8–.47 42.30N 141.19E 135–7 3.9b
IDC X 22 22 47 06.2–13 42.23N 141.07E 142–199 3.6b,3.6
ISC Event type se.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.2km az=109.0.
IDC Error ellipse: s-maj=178.4km s-min=31.4km az=174.0.
ISC X 23 01 20 04.1–.97 41.65N–.06 143.9E–.10 35 3.7b,3.5s 24 1-66
NIED X 23 01 20 00 41.70N 143.80E 29 4.1W,3.5s **¶11749246**
IDC X 23 01 20 00.5–2.4 41.85N 143.67E 0 3.8b,3.8
ISCJB X 23 01 20 01.6–.96 41.55N–.06 144.0E–.10 33 3.7b,3.5s
JMA X 23 01 20 03.9–.30 41.70N 143.85E 44–4 3.6,3.5s
NEIC X 23 01 20 04.9–1.5 41.63N 143.72E 35 4.0b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ71.00000°,λ79.00000°. NP2:ϕ_s223.00000°,δ22.00000°,λ119.00000°. $M_0$1.70000×10^{15}
IDC Error ellipse: s-maj=53.3km s-min=30.7km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=8.4km az=2.9.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=17.0km az=110.0.
ISC X 23 04 40 17.7–.56 42.67N–.03 145.15E–.05 37–4 4.5b,3.8s 186 0-153
NIED X 23 04 40 00 42.70N 145.20E 32 4.4W,3.8s **¶13397859**
BJI X 23 04 40 11.8 42.68N 145.84E 36 4.9b,4.7b
ISCJB X 23 04 40 15.8–.64 42.61N–.04 145.19E–.05 39–4 4.5b,3.8s
MOS X 23 04 40 16.4–1.1 42.60N 145.15E 45 4.8b,3.8s
JMA X 23 04 40 17.3 42.71N 145.20E 47–1 4.2,3.8s
SKHL X 23 04 40 17.8–1.3 42.60N 145.20E 37–6 6.1,4.9b
IDC X 23 04 40 18.2–2.7 42.63N 145.13E 45–25 4.3,4.2
NEIC X 23 04 40 18.8–.61 42.60N 145.17E 51–5 4.6b,4.4W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s254.00000°,δ69.00000°,λ-101.00000°. NP2:ϕ_s101.00000°,δ24.00000°,λ-65.00000°. $M_0$4.54000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.7km az=139.5.
MOS Error ellipse: s-maj=10.0km s-min=6.4km az=94.8.
JMA Event type fe.
IDC Error ellipse: s-maj=14.7km s-min=13.6km az=146.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=5.3km az=128.0. Recorded [3 JMA] in eastern Hokkaido. Moment Tensor Solution. $M_0$4.50000×10^{15}
ISC X 24 23 05 04.2–.43 42.75N–.04 142.82E–.06 123–3 3.8b 45 0-55
ISCJB X 24 23 05 03.2–.43 42.75N–.04 142.81E–.06 128–3 3.8b **¶12071035**
NEIC X 24 23 05 04.5–.80 42.74N 142.73E 126–9 3.9b
JMA X 24 23 05 05.0–.20 42.80N 142.90E 117–2 3.2
IDC X 24 23 05 06.1–8.6 42.83N 142.53E 122–40 3.5b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.7km az=139.8.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=14.0km az=106.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=143.5km s-min=93.1km az=156.0.
ISC X 26 12 12 30.6–1.1 42.88N–.05 145.64E–.06 31–6 3.9b 36 0-65
NIED X 26 12 12 00 42.90N 145.70E 29 3.5W **¶14115335**
MOS X 26 12 12 28.5–1.2 42.67N 145.83E 46 4.4b
ISCJB X 26 12 12 29.6–1.1 42.84N–.06 145.69E–.07 42–8 3.9b
JMA X 26 12 12 30.3–.10 42.88N 145.67E 41–1 3.8
IDC X 26 12 12 32.0–3.6 42.69N 145.75E 58–27 3.7b,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ77.00000°,λ64.00000°. NP2: ϕ_s254.00000°,δ29.00000°,λ152.00000°. $M_0$2.31000×10^{14}

MOS Error ellipse: s-maj=21.6km s-min=13.8km az=89.4.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=6.7km az=143.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=28.8km s-min=24.8km az=18.0.

ISC	**X**	**27 10 48 44.3–1.8**	**41.93N–.04**	**144.78E–.07**	**18–11**	**4.2b**	**111**	**1-80**
NIED	X	27 10 48 00	41.90N	144.80E	8	4.3W		**¶13398237**
IDC	X	27 10 48 41.6–.68	41.91N	144.68E	0	4.2,4.2		
MOS	X	27 10 48 41.4–1.2	41.86N	144.82E	37	4.4b,4.2		
ISCJB	X	27 10 48 43.5–1.6	41.84N–.04	144.82E–.07	30–11	4.2b,4.2		
BJI	X	27 10 48 43.9	41.77N	144.55E	16	5.0b,4.4b		
JMA	X	27 10 48 44.4–.10	41.91N	144.81E	25–1	4.4,4.4b		
NEIC	X	27 10 48 44.4	41.91N	144.81E	25	4.4b,4.4b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s163.00000°,δ84.00000°,λ81.00000°. NP2:ϕ_s40.00000°,δ11.00000°,λ147.00000°. $M_0$2.97000×10^{15}
IDC Error ellipse: s-maj=16.7km s-min=14.6km az=64.0.
MOS Error ellipse: s-maj=11.4km s-min=7.3km az=110.8.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.7km az=25.2.
NEIC Event type se. After JMA.

ISC	**X**	**27 12 12 04.8–.42**	**42.03N–.04**	**142.57E–.05**	**61–4**	**3.8b**	**43**	**0-71**
ISCJB	X	27 12 12 03.7–.43	42.00N–.04	142.57E–.05	68–3	3.7b		**¶12071234**
JMA	X	27 12 12 04.8–.10	42.03N	142.60E	62–2	3.4		
NEIC	X	27 12 12 04.8	42.03N	142.60E	62	3.4		
IDC	X	27 12 12 05.2–2.1	42.05N	142.57E	67–18	3.6,3.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.6km az=152.5.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=22.3km s-min=15.2km az=107.0.

ISC	**X**	**29 15 46 24.8–.39**	**44.28N–.05**	**145.73E–.06**	**152–3**	**3.9b**	**100**	**0-83**
ISCJB	X	29 15 46 23.7–.39	44.27N–.05	145.73E–.06	157–3	3.9b		**¶12071491**
JMA	X	29 15 46 24.9–.20	44.24N	145.76E	149–2	3.4		
MOS	X	29 15 46 24.1–.80	44.28N	145.65E	161	4.3b		
NEIC	X	29 15 46 25.7–.56	44.33N	145.61E	159–5	4.2b		
IDC	X	29 15 46 26.1–1.2	44.35N	145.56E	162–10	4.4s,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.6km az=178.2.
JMA Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=13.5km s-min=11.7km az=107.2.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.2km az=142.0.
IDC Error ellipse: s-maj=16.6km s-min=12.5km az=155.0.

ISC	**X**	**30 19 18 37.1–.88**	**42.39N–.03**	**144.54E–.04**	**27–5**	**4.4b,3.6s**	**181**	**1-149**
NIED	X	30 19 18 00	42.40N	144.60E	14	4.3W,3.6s		**¶13398666**
IDC	X	30 19 18 33.2–.59	42.49N	144.53E	0	4.5,4.4b		
JMA	X	30 19 18 35.9	42.35N	144.63E	23–1	4.4,4.4b		
SKHL	X	30 19 18 35.1–.60	42.20N	144.60E	53–13	5.0b,3.7s		
NEIC	X	30 19 18 36.9–1.6	42.43N	144.51E	25–11	4.7b,4.3W		
MOS	X	30 19 18 36.4–.91	42.38N	144.50E	39	4.6b,4.3W		
BJI	X	30 19 18 36.7	42.33N	144.63E	46	5.0b,4.5b		
ISCJB	X	30 19 18 36.6–.57	42.37N–.04	144.52E–.04	38–4	4.4b,3.6s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ64.00000°,λ129.00000°. NP2:ϕ_s174.00000°,δ46.00000°,λ38.00000°. $M_0$3.33000×10^{15}
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] in southeastern Hokkaido. Moment Tensor Solution. $M_0$3.30000×10^{15}
ISCJB Event type fe.

ISC	**X**	**30 19 35 23.7–.84**	**42.37N–.06**	**144.62E–.09**	**35**	**3.8b**	**27**	**1-65**
NIED	X	30 19 35 00	42.30N	144.60E	17	3.7W		**¶11749726**
ISCJB	X	30 19 35 21.8–.86	42.28N–.06	144.69E–.08	33	3.8b		
JMA	X	30 19 35 22.4	42.35N	144.63E	23–1	3.6		
NEIC	X	30 19 35 23.9–4.8	42.28N	144.57E	33–34	4.0b		
IDC	X	30 19 35 24.3–4.3	42.24N	144.61E	38–35	3.7b,3.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ75.00000°,λ131.00000°. NP2:ϕ_s166.00000°,δ44.00000°,λ22.00000°. $M_0$3.41000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=7.2km az=37.7.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=16.0km az=104.0.
IDC Error ellipse: s-maj=35.7km s-min=29.7km az=148.0.

ISC	**XI**	**01 00 43 35.1–.32**	**41.77N–.04**	**140.09E–.06**	**167–3**	**3.7b**	**62**	**0-145**
ISCJB	XI	01 00 43 34.0–.32	41.76N–.04	140.08E–.06	172–3	3.7b		**¶12071797**
IDC	XI	01 00 43 35.9–1.2	41.89N	140.11E	173–12	3.5s,3.5		
JMA	XI	01 00 43 35.7–.10	41.79N	140.07E	162–1	3.4,3.5		
NEIC	XI	01 00 43 36.0–.45	41.88N	140.13E	177–6	3.9b,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.8km az=21.8.
IDC Error ellipse: s-maj=17.8km s-min=13.7km az=115.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.5km az=114.0.

JMA	**XI**	**01 07 05 57.4–.10**	**42.23N**	**139.20E**	**14–1**	**3.5**		
								¶14117221

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.

ISC	**XI**	**06 09 36 26.7–.68**	**42.94N–.05**	**145.56E–.06**	**41–5**	**4.1b**	**99**	**0-84**
MOS	XI	06 09 36 23.4–1.6	42.81N	145.69E	33	4.6b		**¶13399415**
JMA	XI	06 09 36 25.0–.10	42.88N	145.66E	41–1	4.1		
SKHL	XI	06 09 36 25.1–.10	42.77N	145.59E	40–5	5.0b		
ISCJB	XI	06 09 36 25.4–.69	42.91N–.05	145.59E–.06	49–4	4.1b		
NEIC	XI	06 09 36 25.1	42.88N	145.66E	41	4.1		
IDC	XI	06 09 36 27.3–2.7	42.91N	145.59E	48–26	4.1L,3.9		

ISC Event type fe.
MOS Error ellipse: s-maj=12.5km s-min=8.2km az=91.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.3km az=137.8.
NEIC Event type fe. Recorded [1 JMA] in eastern Hokkaido. After JMA.
IDC Error ellipse: s-maj=18.1km s-min=17.3km az=14.0.

ISC	**XI**	**07 02 22 02.5–.33**	**45.67N–.06**	**142.16E–.09**	**311–4**	**3.4b**	**76**	**0-84**
ISCJB	XI	07 02 22 01.5–.33	45.68N–.06	142.16E–.09	317–4	3.4b		**¶12072615**
MOS	XI	07 02 22 01.8–.94	45.82N	142.01E	316	3.5b		
IDC	XI	07 02 22 02.3–.62	45.80N	142.07E	306–8	3.4,3.2b		
JMA	XI	07 02 22 02.5–.20	45.68N	142.26E	313–2	3.4,3.2b		
NEIC	XI	07 02 22 02.7–.50	45.78N	142.04E	311–5	3.7b,3.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=9.9km az=17.3.
MOS Error ellipse: s-maj=18.4km s-min=14.1km az=74.1.
IDC Error ellipse: s-maj=15.6km s-min=12.5km az=149.0.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=8.0km az=163.0.

ISC	**XI**	**08 16 51 38.6–.56**	**44.17N–.07**	**145.85E–.08**	**148–5**	**3.7b**	**55**	**1-85**
ISCJB	XI	08 16 51 37.6–.56	44.18N–.07	145.84E–.08	152–5	3.7b		**¶12072840**
MOS	XI	08 16 51 38.8–.65	44.26N	145.63E	161	3.9b		
JMA	XI	08 16 51 39.0–.30	44.17N	145.83E	145–2	3.4		
NEIC	XI	08 16 51 39.1–1.2	44.24N	145.70E	153–10	4.1b		
IDC	XI	08 16 51 41.6–2.3	44.49N	145.51E	163–14	3.5,3.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=9.8km az=171.5.
MOS Error ellipse: s-maj=19.9km s-min=17.4km az=75.5.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=11.5km az=135.0.
IDC Error ellipse: s-maj=57.8km s-min=18.3km az=157.0.

ISC	**XI**	**09 00 11 33.1–.31**	**42.68N–.03**	**143.78E–.05**	**95–2**	**4.2b**	**112**	**0-148**
NIED	XI	09 00 11 00	42.70N	143.70E	83	3.9W		**¶13399612**
ISCJB	XI	09 00 11 31.9–.31	42.68N–.03	143.78E–.05	101–2	4.2b		
MOS	XI	09 00 11 32.5–1.1	42.77N	143.76E	104	4.5b		
JMA	XI	09 00 11 33.5–.10	42.71N	143.70E	93–1	3.8		
NEIC	XI	09 00 11 33.6	42.71N	143.70E	93	4.4b		
IDC	XI	09 00 11 35.1–1.8	42.80N	143.68E	106–11	3.9,3.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s266.00000°,δ84.00000°,λ-103.00000°. NP2:ϕ_s154.00000°,δ15.00000°,λ-23.00000°. $M_0$8.94000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.3km az=37.4.
MOS Error ellipse: s-maj=15.1km s-min=9.0km az=86.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type fe. Recorded [2 JMA] in southern Hokkaido. After JMA.
IDC Error ellipse: s-maj=18.5km s-min=14.3km az=160.0.

ISC	**XI**	**09 10 47 02.0–.30**	**44.88N–.05**	**141.92E–.09**	**269–4**	**3.7b**	**89**	**0-90**
NIED	XI	09 10 47 00	45.00N	141.90E	220	3.9W		**¶11750322**
MOS	XI	09 10 47 01.2–.85	44.97N	141.82E	271	3.8b		
ISCJB	XI	09 10 47 01.1–.30	44.90N–.05	141.92E–.08	274–4	3.7b		
IDC	XI	09 10 47 01.9–.49	44.90N	141.84E	267–9	3.6,3.6		
JMA	XI	09 10 47 02.0–.30	45.03N	141.92E	264–3	3.8,3.6		
NEIC	XI	09 10 47 02.1	45.03N	141.92E	264	3.8b,3.6		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s70.00000°,δ84.00000°,λ-153.00000°. NP2:ϕ_s337.00000°,δ64.00000°,λ-6.00000°. $M_0$9.22000×10^{14}
MOS Error ellipse: s-maj=17.8km s-min=10.5km az=90.7.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=7.6km az=5.5.
IDC Error ellipse: s-maj=26.6km s-min=14.2km az=156.0.
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
NEIC Event type se. After JMA.

ISC	**XI**	**10 11 05 08.4–.24**	**45.14N–.03**	**145.42E–.04**	**239–2**	**4.5b**	**380**	**1-151**
NIED	XI	10 11 05 00	44.90N	145.50E	260	4.5W		**¶13399744**
MOS	XI	10 11 05 05.1–.77	45.48N	145.21E	203	4.6b		
BJI	XI	10 11 05 07.9	45.25N	145.25E	241	4.8b,4.8b		
ISCJB	XI	10 11 05 07.6–.24	45.14N–.04	145.39E–.04	244–2	4.5b,4.8b		
NEIC	XI	10 11 05 08.8–.44	45.19N	145.34E	241–4	4.7b,4.5W		
IDC	XI	10 11 05 09.0–.49	45.18N	145.27E	244–4	4.1,4.1		
JMA	XI	10 11 05 09.1–.30	44.88N	145.46E	246–3	4.5,4.1		
SKHL	XI	10 11 05 09.4–.60	45.09N	145.21E	206–5	6.4b,6.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s43.00000°,δ86.00000°,λ-119.00000°. NP2:ϕ_s305.00000°,δ30.00000°,λ-8.00000°. $M_0$6.06000×10^{15}
MOS Error ellipse: s-maj=9.9km s-min=5.7km az=115.8.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.7km az=150.8.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.6km az=141.0. Moment Tensor Solution. $M_0$6.10000×10^{15}
IDC Error ellipse: s-maj=9.6km s-min=7.3km az=143.0.
JMA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.

ISC	**XI**	**14 19 14 55.8–.27**	**42.34N–.03**	**143.11E–.04**	**61–2**	**4.4b**	**195**	**0-114**
NIED	XI	14 19 14 00	42.40N	143.10E	56	4.2W		**¶13400190**
ISCJB	XI	14 19 14 54.7–.26	42.34N–.03	143.08E–.04	66–2	4.3b		
MOS	XI	14 19 14 54.5–.91	42.34N	143.03E	68	4.5b		
NEIC	XI	14 19 14 54.6–.31	42.45N	143.12E	49	4.5b,4.2W		
BJI	XI	14 19 14 54.1	42.46N	143.20E	72	5.0b,4.6b		
IDC	XI	14 19 14 55.1–.68	42.47N	143.08E	50–7	4.0,3.9		
JMA	XI	14 19 14 56.1–.10	42.36N	143.12E	51–1	4.1,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ67.00000°,λ85.00000°. NP2:ϕ_s217.00000°,δ24.00000°,λ102.00000°. $M_0$2.61000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.7km az=135.4.
MOS Error ellipse: s-maj=9.8km s-min=6.5km az=94.8.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=5.6km az=128.0. Recorded [2 JMA] in southern Hokkaido. Moment Tensor Solution. $M_0$2.60000×10^{15}
IDC Error ellipse: s-maj=17.5km s-min=12.2km az=131.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s252.00000°,δ46.00000°,λ138.00000°. NP2:ϕ_s14.00000°,δ62.00000°,λ52.00000°. Principal axes: T Plg56.0000°,Azm233.0000° ; N Plg33.0000°,Azm34.0000°; P Plg9.0000°,Azm130.0000°

ISC	**XI**	**16 00 10 44.2–.74**	**42.81N–.06**	**145.01E–.06**	**42–5**	**3.8b**	**69**	**0-84**
ISCJB	XI	16 00 10 43.2–.73	42.79N–.06	145.01E–.06	50–5	3.8b		**¶12073686**
MOS	XI	16 00 10 43.2–1.1	42.72N	144.94E	56	4.3b		
JMA	XI	16 00 10 44.1	42.83N	145.01E	47–1	3.8		
NEIC	XI	16 00 10 45.9–.95	42.76N	144.88E	62–8	4.0b		
IDC	XI	16 00 10 46.2–2.6	42.71N	144.94E	68–19	3.7,3.6		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.3km az=151.4.
MOS Error ellipse: s-maj=17.6km s-min=12.0km az=84.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.0km az=157.0.
IDC Error ellipse: s-maj=24.3km s-min=15.3km az=0.0.

ISC	**XI**	**16 01 49 52.3–.55**	**41.53N–.04**	**143.47E–.05**	**39–5**	**4.2b,3.3s**	**115**	**1-147**
NIED	XI	16 01 49 00	41.50N	143.50E	23	4.0W,3.3s		**¶11750678**
MOS	XI	16 01 49 50.7–.94	41.48N	143.39E	44	4.5b,3.3s		
ISCJB	XI	16 01 49 50.7–.57	41.48N–.04	143.52E–.05	44–4	4.2b,3.3s		
JMA	XI	16 01 49 51.6–.20	41.51N	143.45E	46–3	4.2,3.3s		
NEIC	XI	16 01 49 53.4–.64	41.49N	143.35E	51–5	4.3b,3.3s		
IDC	XI	16 01 49 53.5–.67	41.47N	143.34E	52–5	4.0,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s281.00000°,δ58.00000°,λ-84.00000°. NP2:ϕ_s90.00000°,δ32.00000°,λ-99.00000°. $M_0$1.27000×10^{15}
MOS Error ellipse: s-maj=13.6km s-min=7.8km az=81.2.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=4.0km az=38.4.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.9km az=128.0. Recorded [1 JMA] in southern Hokkaido.
IDC Error ellipse: s-maj=14.1km s-min=9.6km az=87.0.

ISC	**XI**	**16 04 34 19.0–.69**	**42.83N–.05**	**145.04E–.06**	**43–6**	**3.8b**	**39**	**0-69**
NIED	XI	16 04 34 00	42.80N	145.00E	41	3.7W		**¶11750686**
IDC	XI	16 04 34 13.8–2.1	42.86N	145.00E	0	3.8b,3.8		
ISCJB	XI	16 04 34 17.5–.70	42.78N–.05	145.06E–.06	50–5	3.8b,3.8		
JMA	XI	16 04 34 18.8–.10	42.83N	145.01E	47–1	3.7,3.8		
NEIC	XI	16 04 34 19.8–1.5	42.78N	145.06E	55–15	3.9b,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s188.00000°,δ90.00000°,λ-106.00000°. NP2:ϕ_s98.00000°,δ16.00000°,λ0.00000°. $M_0$3.44000×10^{14}
IDC Error ellipse: s-maj=48.2km s-min=24.7km az=144.0.
ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=5.6km az=139.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=15.5km az=148.0.

ISC	**XI**	**17 16 54 13.4–1.1**	**41.70N–.06**	**144.3E–.10**	**38–9**	**3.6b**	**33**	**1-86**
ISCJB	XI	17 16 54 11.8–1.1	41.64N–.06	144.3E–.10	45–9	3.6b		**¶12073878**
JMA	XI	17 16 54 12.0–.20	41.68N	144.28E	27–2	3.4		
IDC	XI	17 16 54 13.6–3.3	41.62N	144.18E	42–30	3.5,3.4b		
NEIC	XI	17 16 54 14.2–1.0	41.65N	144.18E	48–9	4.3b,3.4b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=8.8km az=29.5.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=30.2km s-min=21.1km az=117.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.1km az=104.0.

ISC	**XI**	**20 06 00 21.0–.44**	**42.61N–.04**	**142.74E–.04**	**97–3**	**3.4b**	**47**	**0-66**
ISCJB	XI	20 06 00 20.0–.44	42.61N–.04	142.74E–.05	103–3	3.4b		**¶12074237**
NEIC	XI	20 06 00 21.5	42.66N	142.80E	92	3.2		
JMA	XI	20 06 00 21.4–.20	42.66N	142.80E	92–2	3.2		
IDC	XI	20 06 00 22.3–1.5	42.71N	142.74E	108–12	3.4,3.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.4km az=151.5.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=30.1km s-min=17.0km az=96.0.

ISC	**XI**	**21 00 50 38.8–.25**	**43.05N–.04**	**143.19E–.04**	**121–2**	**4.2b**	**126**	**0-149**
NIED	XI	21 00 50 00	43.00N	143.20E	119	4.0W		**¶13400747**
MOS	XI	21 00 50 37.9–.94	43.10N	143.17E	131	4.3b		
ISCJB	XI	21 00 50 37.7–.25	43.05N–.04	143.19E–.04	127–2	4.2b		
NEIC	XI	21 00 50 39.0–.46	43.08N	143.18E	122–4	4.4b		
JMA	XI	21 00 50 39.0–.10	43.01N	143.19E	118–1	3.7		
IDC	XI	21 00 50 39.5–1.4	43.13N	143.17E	124–10	4.0,3.8b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s128.00000°,δ76.00000°,λ92.00000°. NP2:ϕ_s298.00000°,δ14.00000°,λ80.00000°. $M_0$1.22000×10^{15}
MOS Error ellipse: s-maj=12.8km s-min=8.0km az=76.5.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.2km az=156.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.9km az=141.0.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=22.1km s-min=10.7km az=164.0.
ISC XI 21 15 44 49.3–.08 43.18N–.02 145.76E–.02 49 5.4b,4.5s 1384 0-155
NIED XI 21 15 44 00 43.10N 145.80E 44 5.1W,4.5s **¶13400806**
MOS XI 21 15 44 46.4–.89 43.17N 145.78E 40 5.5b,4.5s
NEIC XI 21 15 44 46.7–.10 43.19N 145.81E 29 5.3b,5.2W
IDC XI 21 15 44 47.2–3.7 43.19N 145.83E 33–27 5.2,5.2
ISCJB XI 21 15 44 47.2–.08 43.11N–.02 145.81E–.02 47 5.4b,4.5s
JMA XI 21 15 44 48.4–.10 43.13N 145.84E 46–1 5.2,4.5s
DJA XI 21 15 44 48 43.27N 146.21E 54 5.4b,4.5s
BJI XI 21 15 44 48.7 43.24N 145.74E 62 5.5b,5.3b
SKHL XI 21 15 44 49.6–.80 43.20N 145.86E 51–18 6.3,6.2s
TEH XI 21 15 44 50.0 43.17N 145.73E 58 6.3,6.2s
BGS XI 21 15 44 51.6–1.5 43.54N 143.75E 33–0 5.7b,6.2s
GCMT XI 21 15 44 52.3–.20 43.12N 145.94E 52–0 5.2W,6.2s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S41.00000°,δ67.00000°,λ87.00000°. NP2:ϕ_S228.00000°,δ23.00000°,λ97.00000°. $M_0$5.74000×10^{16}
MOS Error ellipse: s-maj=5.9km s-min=3.9km az=101.2.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.1km az=154.0. Felt at Bihoro. Recorded [4 JMA] in eastern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. s14 Moment tensor: Scale 10^{16}Nm; M_{rr}3.14 $M_{\theta\theta}$-1.97 $M_{\phi\phi}$-1.16 $M_{r\theta}$3.51 $M_{\theta\phi}$-5.02 $M_{\phi r}$2.91 Best double couple: NP1:ϕ_S54.00000°,δ67.00000°,λ98.00000°. NP2:ϕ_S213.00000°,δ24.00000°,λ71.00000°. Principal axes: T 4.9700,Plg66.0000°,Azm339.0000° ; N 3.4400,Plg7.0000°,Azm230.0000°; P -8.4000,Plg21.0000°,Azm137.0000° $M_0$7.30000×10^{16} Moment Tensor Solution. $M_0$5.70000×10^{16}
IDC Error ellipse: s-maj=13.2km s-min=9.5km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.5km az=161.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
SKHL Event type fe. Felt (II-III) at Yushno-Kurilsk.
BGS Error ellipse: s-maj=229.1km s-min=584.4km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s62,c95; s84,c137; Moment tensor: Scale 10^{16}Nm; M_{rr}5.86±.20 $M_{\theta\theta}$-2.80±.14; $M_{\phi\phi}$-3.06±.14; $M_{r\theta}$1.05±.11; $M_{\theta\phi}$-3.53±.10; $M_{\phi r}$2.50±.10; Best double couple: NP1:ϕ_S234.00000°,δ35.00000°,λ106.00000°. NP2:ϕ_S35.00000°,δ57.00000°,λ80.00000°. Principal axes: T 6.5200,Plg76.0000° ,Azm274.0000°; N 0.4500,Plg9.0000°,Azm41.0000°; P -6.9700,Plg11.0000°,Azm132.0000° $M_0$6.70000×10^{16}
ISC XI 21 19 01 14.2–.72 43.46N–.07 144.67E–.07 112–5 3.3b 23 0-64
IDC XI 21 19 00 54.3–65 42.87N 145.57E 0 3.6,3.5b **¶12074429**
ISCJB XI 21 19 01 13.2–.72 43.46N–.07 144.67E–.07 118–5 3.3b,3.5b
JMA XI 21 19 01 14.6–.10 43.48N 144.63E 111–1 2.8,3.5b
IDC Error ellipse: s-maj=1459.0km s-min=82.8km az=156.0.
ISCJB Error ellipse: s-maj=11.5km s-min=8.5km az=2.9.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XI 28 04 59 04.3–.93 42.16N–.04 139.25E–.06 20–5 3.8b 35 0-147
NIED XI 28 04 59 00 42.20N 139.10E 8 3.8W **¶11751284**
ISCJB XI 28 04 59 02.5–1.1 42.14N–.04 139.13E–.08 21–7 3.8b
JMA XI 28 04 59 03.3–.10 42.16N 139.15E 19–1 3.9
IDC XI 28 04 59 14.9–4.2 42.17N 138.94E 114–31 3.7,3.4b
NEIC XI 28 04 59 15.9–1.1 42.12N 139.08E 120–10 3.8b,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S26.00000°,δ57.00000°,λ100.00000°. NP2:ϕ_S189.00000°,δ35.00000°,λ76.00000°. $M_0$5.42000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=7.3km az=5.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=79.6km s-min=13.5km az=117.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.5km az=118.0.
ISC XI 28 17 19 01.5–1.9 41.81N–.06 144.0E–.10 28–12 3.2b 29 1-86
IDC XI 28 17 18 56.3–2.0 41.56N 143.92E 0 3.7,3.5b **¶11751294**
ISCJB XI 28 17 19 00.7–1.3 41.75N–.07 144.01E–.10 37–11 3.2b,3.5b
NIED XI 28 17 19 00 41.80N 144.00E 23 3.6W,3.5b
JMA XI 28 17 19 01.1–.20 41.79N 143.99E 32–4 3.6,3.5b
NEIC XI 28 17 19 02.3–2.3 41.87N 143.88E 31–14 3.6,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=27.7km az=6.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=9.8km az=135.5.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S196.00000°,δ75.00000°,λ-132.00000°. NP2:ϕ_S89.00000°,δ45.00000°,λ-22.00000°. $M_0$2.80000×10^{14}
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=13.5km az=111.0.
ISC XI 28 20 18 34.7–1.0 41.76N–.03 143.99E–.05 24–6 4.5b,4.0s 172 1-86
NIED XI 28 20 18 00 41.80N 144.00E 23 4.3W,4.0s **¶11751296**
IDC XI 28 20 18 31.0–.63 41.73N 143.94E 0 4.4,4.3
NEIC XI 28 20 18 32.4–2.4 41.81N 143.97E 10–14 4.5b,4.3W
MOS XI 28 20 18 33.8–1.2 41.71N 143.97E 36 4.7b,4.3W
ISCJB XI 28 20 18 33.7–.95 41.70N–.03 144.03E–.05 33–6 4.5b,4.0s
BJI XI 28 20 18 34.9 41.85N 143.92E 32 5.1b,4.5b
JMA XI 28 20 18 35.0–.20 41.76N 143.99E 37–4 4.4,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S190.00000°,δ73.00000°,λ-142.00000°. NP2:ϕ_S87.00000°,δ54.00000°,λ-21.00000°. $M_0$3.01000×10^{15}
IDC Error ellipse: s-maj=16.4km s-min=13.3km az=158.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.8km az=144.0. Moment Tensor Solution. $M_0$3.00000×10^{15}
MOS Error ellipse: s-maj=7.9km s-min=6.1km az=88.7.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.2km az=39.3.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
ISC XI 28 20 20 49.2–.98 41.80N–.08 144.0E–.10 35 3.7b 15 1-86
IDC XI 28 20 20 43.8–2.5 41.72N 144.11E 0 3.9,3.8b **¶12075175**
ISCJB XI 28 20 20 47.4–.98 41.75N–.08 144.1E–.10 33 3.7b,3.8b
JMA XI 28 20 20 47.4–.20 41.75N 143.98E 36–3 3.4,3.8b
IDC Error ellipse: s-maj=60.5km s-min=24.2km az=176.0.
ISCJB Error ellipse: s-maj=12.4km s-min=11.2km az=152.2.
JMA Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
JMA XII 01 17 25 14.9–.10 41.10N 144.67E 53–1 3.5 ¶15511918
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 02 21 29 53.0–.71 42.78N–.06 145.30E–.06 73–4 3.7b 60 0-72
NIED XII 02 21 29 00 42.80N 145.30E 59 3.5W **¶11751520**
ISCJB XII 02 21 29 51.9–.71 42.78N–.06 145.31E–.07 80–4 3.7b
JMA XII 02 21 29 53.6–.10 42.82N 145.27E 72–1 3.8
MOS XII 02 21 29 53.0–.84 42.82N 145.31E 95 3.8b
IDC XII 02 21 29 54.1–3.5 42.77N 145.20E 83–25 3.7,3.5b
NEIC XII 02 21 29 55.0–1.2 42.79N 145.22E 92–10 3.7b,3.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S51.00000°,δ65.00000°,λ-85.00000°. NP2:ϕ_S218.00000°,δ26.00000°,λ-101.00000°. $M_0$2.04000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=6.0km az=144.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=21.1km s-min=15.3km az=104.9.
IDC Error ellipse: s-maj=28.4km s-min=25.4km az=170.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=13.4km az=104.0.
ISC XII 03 21 03 01.9–.77 41.64N–.03 142.85E–.06 18–5 4.1b 81 0-71
NIED XII 03 21 03 00 41.60N 142.90E 23 3.7W **¶11751580**
ISCJB XII 03 21 03 01.9–.56 41.63N–.04 142.95E–.05 35–5 4.1b
JMA XII 03 21 03 01.3–.20 41.60N 142.93E 28–3 3.9
NEIC XII 03 21 03 04.2–.76 41.68N 142.96E 41–7 4.0b
IDC XII 03 21 03 06.9–1.9 41.60N 142.80E 63–17 3.7,3.6b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S11.00000°,δ53.00000°,λ-112.00000°. NP2:ϕ_S224.00000°,δ42.00000°,λ-64.00000°. $M_0$4.36000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.7km az=40.8.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=7.1km az=121.0. Recorded [1 JMA] in southern Hokkaido.
IDC Error ellipse: s-maj=19.7km s-min=12.2km az=106.0.
ISC XII 05 21 14 01.9–.41 42.30N–.03 141.29E–.05 126–3 3.4b 51 0-64
ISCJB XII 05 21 14 00.8–.41 42.30N–.03 141.28E–.05 131–3 3.3b **¶12075925**
JMA XII 05 21 14 01.6–.10 42.32N 141.25E 128–1 2.7
NEIC XII 05 21 14 02.1–.91 42.31N 141.51E 135–13 2.7
IDC XII 05 21 14 03.3–4.0 42.20N 141.46E 145–42 3.2,3.1b

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.6km az=135.3.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=12.5km az=121.0.
IDC Error ellipse: s-maj=27.6km s-min=26.4km az=119.0.
ISC XII 05 23 41 55.9–.45 42.14N–.05 139.60E–.07 198–4 3.3b 43 0-51
ISCJB XII 05 23 41 55.0–.45 42.14N–.05 139.59E–.07 202–4 3.3b **¶12075949**
IDC XII 05 23 41 55.0–6.9 42.11N 139.46E 185–25 3.2b,3.2
NEIC XII 05 23 41 54.8–1.1 42.08N 139.47E 186–11 3.2b,3.2
JMA XII 05 23 41 56.5–.20 42.15N 139.52E 192–2 2.9,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=7.5km az=142.6.
IDC Error ellipse: s-maj=123.5km s-min=18.7km az=168.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=13.7km az=170.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC XII 06 03 31 15.0–.50 41.25N–.03 142.39E–.05 37–6 3.8b 54 1-72
NIED XII 06 03 31 00 41.30N 142.40E 29 3.7W **¶11751602**
JMA XII 06 03 31 13.9–.10 41.26N 142.39E 29–4 3.8
ISCJB XII 06 03 31 14.3–.45 41.24N–.03 142.40E–.05 47–5 3.8b
NEIC XII 06 03 31 16.4–.82 41.25N 142.55E 54–8 4.0b
IDC XII 06 03 31 17.0–2.0 41.22N 142.42E 60–19 3.7,3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S295.00000°,δ84.00000°,λ100.00000°. NP2:ϕ_S57.00000°,δ12.00000°,λ32.00000°. $M_0$4.02000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.0km az=37.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.9km az=119.0.
IDC Error ellipse: s-maj=20.6km s-min=12.5km az=108.0.
ISC XII 06 17 21 28.7–.29 41.91N–.04 140.70E–.05 130–2 3.8b 60 0-88
IDC XII 06 17 21 26.9–2.1 41.86N 140.61E 115–19 3.4,3.2b **¶12076045**
NEIC XII 06 17 21 28.0–.96 41.85N 140.57E 126–9 3.9b,3.2b
JMA XII 06 17 21 29.0–.10 41.93N 140.68E 128–1 2.8,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=17.3km az=168.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.5km az=199.0.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
JMA XII 08 04 42 21.8 41.91N 144.48E 25–1 3.6 ¶15514139
ISC XII 12 03 33 17.7–1.4 41.70N–.04 144.29E–.08 25–9 4.0b,3.7s 92 1-86
NIED XII 12 03 33 00 41.70N 144.30E 20 4.0W,3.7s **¶11751664**
MOS XII 12 03 33 17.0–.90 41.60N 144.14E 33 4.3b,3.7s
ISCJB XII 12 03 33 17.3–.97 41.63N–.05 144.29E–.08 40–7 4.0b,3.7s
JMA XII 12 03 33 17.7–.20 41.71N 144.27E 26–2 4.3,3.7s
NEIC XII 12 03 33 19.4–.82 41.70N 144.16E 37–7 4.3b,3.7s
IDC XII 12 03 33 20.1–3.1 41.69N 144.14E 40–28 3.8,3.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S358.00000°,δ83.00000°,λ25.00000°. NP2:ϕ_S265.00000°,δ65.00000°,λ173.00000°. $M_0$1.28000×10^{15}
MOS Error ellipse: s-maj=13.3km s-min=8.9km az=97.1.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=7.5km az=33.1.
JMA Error ellipse: s-maj=3.3km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.4km az=101.0.
IDC Error ellipse: s-maj=19.7km s-min=15.8km az=107.0.
ISC XII 12 05 21 07.5–.24 42.33N–.03 141.16E–.04 124–2 4.1b 133 0-87
ISCJB XII 12 05 21 06.4–.24 42.33N–.03 141.16E–.04 130–2 4.0b **¶13402540**
MOS XII 12 05 21 06.6–1.0 42.34N 141.08E 133 4.1b
JMA XII 12 05 21 07.7–.10 42.36N 141.15E 123–1 3.3
IDC XII 12 05 21 07.3–1.2 42.37N 141.09E 123–10 3.7,3.6b
NEIC XII 12 05 21 07.8 42.36N 141.15E 123 4.7b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.1km az=142.1.
MOS Error ellipse: s-maj=12.9km s-min=10.2km az=79.8.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=14.5km s-min=11.4km az=133.0.
NEIC Event type se. After JMA.
ISC XII 13 08 23 41.7–.36 42.70N–.03 141.86E–.04 133–3 3.5b 76 0-63
ISCJB XII 13 08 23 40.6–.36 42.70N–.03 141.86E–.04 136–3 3.5b **¶12077259**
MOS XII 13 08 23 40.9–1.2 42.65N 142.05E 146 3.6b
JMA XII 13 08 23 41.4–.20 42.74N 141.80E 136–2 3.3
IDC XII 13 08 23 41.0–1.3 42.61N 142.11E 131–9 3.4,3.3
NEIC XII 13 08 23 41.8–.61 42.65N 142.12E 138–8 4.5b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.3km az=139.4.
MOS Error ellipse: s-maj=20.1km s-min=10.6km az=75.1.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=23.5km s-min=14.5km az=125.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.9km az=115.0.
ISC XII 16 13 39 18.1–.48 43.03N–.05 143.53E–.06 114–3 3.5b 41 0-64
IDC XII 16 13 39 12.6–6.4 42.37N 143.69E 101–39 3.4,3.2b **¶12077759**
ISCJB XII 16 13 39 17.0–.48 43.03N–.05 143.54E–.06 120–3 3.5b,3.2b
NEIC XII 16 13 39 18.4–.81 43.07N 143.55E 119–8 3.5b,3.2b
JMA XII 16 13 39 18.5–.10 43.03N 143.48E 110–1 2.9,3.2b
ISC Event type fe.
IDC Error ellipse: s-maj=59.3km s-min=29.3km az=172.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=6.6km az=148.5.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=16.7km az=82.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XII 17 05 53 36.9–.42 43.83N–.05 143.26E–.06 182–3 3.5b 50 0-68
ISCJB XII 17 05 53 35.8–.42 43.85N–.05 143.27E–.06 186–3 3.5b **¶12077866**
NEIC XII 17 05 53 36.8–.63 43.96N 143.26E 176–6 3.5b
JMA XII 17 05 53 37.0–.20 43.84N 143.21E 182–2 2.8
IDC XII 17 05 53 37.5–2.5 44.05N 143.21E 176–8 3.4,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=7.4km az=1.9.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=10.6km az=102.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=83.3km s-min=20.4km az=173.0.
ISC XII 17 19 10 04.0–.36 41.40N–.03 141.75E–.04 69–4 3.6b 74 1-71
IDC XII 17 19 09 54.7–1.2 41.31N 141.77E 0 3.8,3.7b **¶12077951**
MOS XII 17 19 10 02.5–1.8 41.40N 141.75E 66 4.2b,3.7b
ISCJB XII 17 19 10 03.1–.36 41.40N–.03 141.75E–.04 76–3 3.6b,3.7b
JMA XII 17 19 10 03.9–.10 41.42N 141.76E 67–1 3.3,3.7b
NEIC XII 17 19 10 04.5–.78 41.33N 141.88E 81–8 3.9b,3.7b
ISC Event type fe.
IDC Error ellipse: s-maj=29.6km s-min=21.6km az=107.0.
MOS Error ellipse: s-maj=15.2km s-min=11.7km az=63.6.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.0km az=43.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.4km az=128.0.
JMA XII 19 23 30 47.5–.60 45.90N 144.76E 364 3.5 ¶15518167
JMA Error ellipse: s-maj=7.8km s-min=5.4km az=-1.0.
ISC XII 21 05 02 36.6–.15 45.87N–.02 142.54E–.03 326–1 4.4b 504 1-151
NIED XII 21 05 02 00 45.80N 142.60E 340 4.5W **¶13403550**
ISCJB XII 21 05 02 35.9–.15 45.86N–.02 142.52E–.03 332–1 4.4b
BJI XII 21 05 02 35.3 45.99N 142.51E 328 4.7b,4.7b
MOS XII 21 05 02 35.7–.93 45.94N 142.41E 325 4.6b,4.7b
NEIC XII 21 05 02 36.6–.31 45.91N 142.51E 326–3 4.7b,4.5W
JMA XII 21 05 02 36.3–.20 45.77N 142.58E 337–2 4.5,4.5W
IDC XII 21 05 02 36.6–.43 45.95N 142.44E 323–4 4.0,4.0
SKHL XII 21 05 02 37.9–.40 45.90N 142.70E 316–2 5.1,5.0b
TEH XII 21 05 02 37.0 45.89N 142.54E 328 5.1,5.0b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S49.00000°,δ64.00000°,λ-147.00000°. NP2:ϕ_S304.00000°,δ61.00000°,λ-30.00000°. $M_0$7.50000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.5km az=30.8.
MOS Error ellipse: s-maj=8.2km s-min=5.0km az=109.9.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.4km az=143.0. Moment Tensor Solution. $M_0$7.50000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=8.6km s-min=7.0km az=138.0.

ISC XII 21 10 55 48.3–.43 42.07N–.04 141.62E–.06 87–4 3.3b 42 0-59
ISCJB XII 21 10 55 47.5–.42 42.08N–.04 141.59E–.06 93–4 3.3b **¶12078448**
JMA XII 21 10 55 48.2–.20 42.06N 141.59E 85–2 3.2
NEIC XII 21 10 55 48.3 42.06N 141.59E 85 3.2
IDC XII 21 10 55 49.6–2.0 42.22N 141.67E 97–14 3.2,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.3km az=29.3.
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=28.3km s-min=15.1km az=136.0.
JMA XII 23 20 47 24.9–.10 43.81N 144.86E 9–3 3.6
¶15519645
JMA Event type fe.
ISC XII 24 03 40 51.1–1.0 41.64N–.05 143.26E–.08 28–6 4.1b,3.6s 98 0-86
NIED XII 24 03 40 00 41.60N 143.30E 26 4.1W,3.6s **¶13403825**
MOS XII 24 03 40 50.0–.89 41.59N 143.22E 38 4.4b,3.6s
ISCJB XII 24 03 40 50.3–.74 41.57N–.05 143.26E–.08 40–5 4.1b,3.6s
JMA XII 24 03 40 51.0–.20 41.62N 143.27E 20–2 4.2,3.6s
NEIC XII 24 03 40 51.2–.95 41.62N 143.23E 30–6 4.3b,3.6s
IDC XII 24 03 40 53.9–2.1 41.52N 143.17E 57–17 3.9L,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s71.00000°,δ64.00000°,λ119.00000°. NP2:ϕ_s200.00000°,δ39.00000°,λ45.00000°. $M_0$1.39000×10^{15}
MOS Error ellipse: s-maj=14.7km s-min=8.4km az=88.5.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.7km az=35.6.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.2km az=123.0.
IDC Error ellipse: s-maj=16.8km s-min=12.5km az=106.0.
ISC XII 24 20 32 07.0–.66 42.30N–.02 144.60E–.03 35–4 5.0b,4.5s 663 1-148
NIED XII 24 20 32 00 42.30N 144.70E 35 4.9W,4.5s **¶13403879**
SZGRF XII 24 20 32 03.7 43.34N 146.98E 33 4.9b,4.5s
ISCJB XII 24 20 32 05.3–.33 42.24N–.02 144.62E–.03 37–2 5.0b,4.5s
JMA XII 24 20 32 06.1 42.31N 144.72E 32–1 5.0,4.5s
MOS XII 24 20 32 06.3–.88 42.36N 144.50E 40 5.3b,4.5s
SKHL XII 24 20 32 06.0–1.7 42.23N 144.75E 55–14 5.4s,5.1b
IDC XII 24 20 32 07.9–1.7 42.32N 144.61E 44–15 4.5,4.5
BJI XII 24 20 32 07.2 42.33N 144.32E 40 5.2b,5.1b
NEIC XII 24 20 32 08.5–.54 42.34N 144.53E 47–4 5.2b,4.9W
TEH XII 24 20 32 09.0 42.35N 144.39E 48 5.2b,4.9W
GCMT XII 24 20 32 09.3–.50 42.09N 144.71E 43–2 4.9W,4.9W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ81.00000°,λ78.00000°. NP2:ϕ_s258.00000°,δ15.00000°,λ143.00000°. $M_0$2.85000×10^{16}
SZGRF Kuril Islands, Russia.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.6km az=42.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s54.00000°,δ68.00000°,λ81.00000°. NP2:ϕ_s257.00000°,δ24.00000°,λ111.00000°. Principal axes: T Plg66.0000°,Azm308.0000°; N Plg8.0000°,Azm58.0000°; P Plg22.0000° ,Azm151.0000°
MOS Error ellipse: s-maj=7.1km s-min=4.1km az=114.0.
IDC Error ellipse: s-maj=13.4km s-min=10.7km az=144.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.4km az=154.0. Recorded [2 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate, Honshu. Moment Tensor Solution. $M_0$2.90000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s22,c28; s54,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}1.97±.23 $M_{\theta\theta}$-1.62±.14; $M_{\phi\phi}$-0.35±.13; $M_{r\theta}$1.33±.13; $M_{\theta\phi}$-1.03±.08; $M_{\phi r}$0.99±.10; Best double couple: NP1:ϕ_s247.00000°,δ26.00000°,λ100.00000°. NP2:ϕ_s56.00000°,δ64.00000°,λ85.00000°. Principal axes: T 2.5600,Plg70.0000° ,Azm316.0000°; N 0.2100,Plg4.0000°,Azm58.0000°; P -2.7700,Plg19.0000°,Azm149.0000° $M_0$2.70000×10^{16}
ISC XII 25 12 39 32.0–1.0 41.96N–.03 144.36E–.02 27–7 4.9b,4.1s 777 1-156
NIED XII 25 12 39 00 41.90N 144.50E 8 4.5W,4.1s **¶13403948**
IDC XII 25 12 39 27.0–.42 41.86N 144.46E 0 4.7,4.7
ISCJB XII 25 12 39 30.3–.71 41.92N–.03 144.35E–.02 28–4 4.9b,4.1s
JMA XII 25 12 39 30.3 41.90N 144.51E 22–1 4.7,4.1s
BJI XII 25 12 39 30.2 41.98N 144.31E 25 5.0b,5.0b
MOS XII 25 12 39 31.4–.95 41.88N 144.34E 39 5.3b,5.0b
NEIC XII 25 12 39 32.1–1.1 41.88N 144.39E 32–7 5.1b,4.4W
BGS XII 25 12 39 32.2–2.1 41.35N 142.27E 33–0 5.2b,4.4W
SZGRF XII 25 12 39 35.7 42.83N 143.38E 33 5.1b,4.4W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ77.00000°,λ52.00000°. NP2:ϕ_s61.00000°,δ40.00000°,λ160.00000°. $M_0$5.36000×10^{15}
IDC Error ellipse: s-maj=12.4km s-min=10.7km az=128.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.6km az=161.2.
JMA Event type fe.
MOS Error ellipse: s-maj=6.8km s-min=4.4km az=107.8.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=154.0. Recorded [2 JMA] in southeastern Hokkaido. Moment Tensor Solution. $M_0$5.40000×10^{15}
BGS Error ellipse: s-maj=878.4km s-min=999.9km az=-1.0.
SZGRF Hokkaido, Japan, region.
ISC XII 27 07 05 45.2–.66 41.75N–.05 143.37E–.08 43–5 3.8b 63 0-71
NIED XII 27 07 05 00 41.80N 143.30E 50 4.0W **¶11751841**
ISCJB XII 27 07 05 43.6–.69 41.69N–.05 143.42E–.08 49–5 3.8b
MOS XII 27 07 05 43.2–1.4 41.70N 143.49E 47 4.3b
IDC XII 27 07 05 45.9–.79 41.68N 143.23E 54–6 3.7,3.6
JMA XII 27 07 05 45.6–.10 41.77N 143.33E 41–1 3.7,3.6
NEIC XII 27 07 05 45.6 41.77N 143.33E 41 4.2b,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s150.00000°,δ69.00000°,λ-41.00000°. NP2:ϕ_s257.00000°,δ52.00000°,λ-153.00000°. $M_0$9.61000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.2km s-min=5.7km az=37.5.
MOS Error ellipse: s-maj=16.7km s-min=11.2km az=76.5.
IDC Error ellipse: s-maj=19.4km s-min=15.5km az=123.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type fe. Recorded [1 JMA] in southern Hokkaido. After JMA.
JMA XII 28 06 21 38.6–.10 45.21N 141.84E 0 3.6
NIED XII 28 06 21 00 45.30N 141.90E 5 3.7W **¶11521254**
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s159.00000°,δ58.00000°,λ90.00000°. NP2:ϕ_s339.00000°,δ32.00000°,λ90.00000°. $M_0$3.52000×10^{14}
ISC XII 29 04 34 25.9–.47 42.88N–.04 143.85E–.05 116–3 3.6b 50 0-70
ISCJB XII 29 04 34 24.9–.47 42.89N–.04 143.85E–.06 122–3 3.6b **¶13404306**
NEIC XII 29 04 34 26.0 42.92N 143.80E 117 3.6
JMA XII 29 04 34 25.9–.10 42.92N 143.80E 117–1 3.6
IDC XII 29 04 34 26.4–2.2 42.84N 143.75E 123–13 3.5,3.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=5.8km az=142.3.
NEIC Event type se. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=26.0km s-min=20.5km az=142.0.
ISC XII 30 14 52 16.9–.43 42.40N–.04 143.92E–.05 84–3 3.7b 67 0-85
NIED XII 30 14 52 00 42.40N 143.80E 77 3.7W **¶11751882**
ISCJB XII 30 14 52 15.8–.44 42.39N–.04 143.91E–.05 91–3 3.7b
JMA XII 30 14 52 17.0–.10 42.41N 143.83E 84–2 3.7
IDC XII 30 14 52 17.7–2.0 42.37N 143.85E 93–15 3.6,3.5
NEIC XII 30 14 52 17.2–.60 42.39N 143.88E 88–5 4.0b,3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s127.00000°,δ86.00000°,λ80.00000°. NP2:ϕ_s17.00000°,δ11.00000°,λ159.00000°. $M_0$3.69000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.8km az=139.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=18.7km s-min=16.1km az=113.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.3km az=127.0.
ISC XII 30 18 01 10.1–.58 41.09N–.03 143.28E–.06 35 3.5b 42 1-66
ISCJB XII 30 18 01 08.3–.58 41.04N–.03 143.35E–.06 33 3.5b **¶12079573**
JMA XII 30 18 01 08.2–.10 41.03N 143.29E 33 3.2
IDC XII 30 18 01 11.4–2.9 40.99N 143.19E 46–27 4.0,4.0s
NEIC XII 30 18 01 11.0–1.1 41.07N 143.20E 40–11 4.0,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.6km az=31.7.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=31.5km s-min=21.1km az=97.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=9.2km az=115.0.
ISC XII 31 23 49 57.4–.29 42.11N–.03 142.53E–.04 67–2 4.4b 229 0-99
NIED XII 31 23 49 00 42.10N 142.60E 62 4.2W **¶11525198**
BJI XII 31 23 49 54.2 42.08N 142.76E 68 5.0b,4.6b
ISCJB XII 31 23 49 56.1–.29 42.09N–.03 142.54E–.04 72–2 4.4b,4.6b
JMA XII 31 23 49 56.8–.20 42.09N 142.57E 66–2 4.0,4.6b
MOS XII 31 23 49 57.8–1.1 42.16N 142.57E 87 4.7b,4.6b
NEIC XII 31 23 49 58.7–.58 42.16N 142.60E 81–5 4.6b,4.2W
IDC XII 31 23 49 58.5–1.6 42.14N 142.53E 77–12 4.1,4.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ68.00000°,λ99.00000°. NP2:ϕ_s190.00000°,δ24.00000°,λ69.00000°. $M_0$2.33000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.4km az=142.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=9.0km s-min=6.4km az=92.3.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=4.6km az=130.0. Recorded [2 JMA] in the Tomakomai and Shizunai areas; [1 JMA] in south-central and southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Honshu. Moment Tensor Solution. $M_0$2.30000×10^{15}
IDC Error ellipse: s-maj=15.2km s-min=10.6km az=118.0.

(225) Off southeast coast of Hokkaido.

ISC VII 12 18 06 32.3–2.0 42.62N–.05 146.11E–.07 32–15 3.9b,3.1s 55 1-84
NIED VII 12 18 06 00 42.60N 146.10E 20 3.9W,3.1s **¶11746991**
IDC VII 12 18 06 27.2–1.2 42.55N 146.24E 0 4.0,3.9b
JMA VII 12 18 06 31.3–.10 42.60N 146.14E 50–3 4.0,3.9b
ISCJB VII 12 18 06 31.6–1.2 42.59N–.06 146.12E–.09 43–9 3.9b,3.1s
MOS VII 12 18 06 31.0–1.4 42.32N 146.21E 51 4.2b,3.1s
NEIC VII 12 18 06 31.7–3.5 42.52N 146.17E 30–25 4.2b,3.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s244.00000°,δ71.00000°,λ-87.00000°. NP2:ϕ_s54.00000°,δ19.00000°,λ-100.00000°. $M_0$8.66000×10^{14}
IDC Error ellipse: s-maj=31.2km s-min=17.4km az=174.0.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.4km az=30.1.
MOS Error ellipse: s-maj=15.3km s-min=11.8km az=110.9.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.3km az=115.0.
JMA X 18 10 37 13.2–.30 42.91N 146.80E 39 2.6
¶14112636
JMA Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0.
ISC XI 20 15 55 16.4–1.6 42.91N–.10 146.9E–.10 44–14 3.6b 25 1-66
IDC XI 20 15 55 08.4–6.5 43.01N 147.40E 0 3.8b,3.7 **¶12074276**
MOS XI 20 15 55 13.2–.87 42.95N 147.21E 50 4.2b,3.7
JMA XI 20 15 55 15.8–.20 42.92N 146.84E 58–3 3.7,3.7
IDC Error ellipse: s-maj=176.0km s-min=47.6km az=178.0.
MOS Error ellipse: s-maj=99.9km s-min=29.9km az=43.9.
JMA Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.

(226) Near west coast of eastern Honshu.

JMA VII 14 11 18 24.6–.10 40.04N 139.48E 16–1 3.7
NIED VII 14 11 18 00 40.00N 139.50E 8 3.4W **¶11747006**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ71.00000°,λ128.00000°. NP2:ϕ_s334.00000°,δ42.00000°,λ29.00000°. $M_0$1.40000×10^{14}
JMA VII 15 05 41 55.8 37.15N 136.59E 10–1 3.9
¶13507492
JMA Event type fe.
JMA VII 24 06 01 52.3 37.40N 138.99E 9–1 3.8
NIED VII 24 06 01 00 37.40N 139.00E 5 3.7W **¶11153662**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s28.00000°,δ23.00000°,λ102.00000°. NP2:ϕ_s195.00000°,δ67.00000°,λ85.00000°. Principal axes: T Plg67.0000°,Azm96.0000°; N Plg5.0000°,Azm197.0000°; P Plg22.0000° ,Azm289.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ63.00000°,λ82.00000°. NP2:ϕ_s24.00000°,δ28.00000°,λ106.00000°. $M_0$4.00000×10^{14}
ISC VIII 23 15 02 17.4–.71 39.73N–.03 139.63E–.06 16–4 3.7b 23 0-60
IDC VIII 23 15 02 15.6–1.8 39.64N 139.75E 0 3.9,3.5b **¶12581321**
ISCJB VIII 23 15 02 17.0–.69 39.73N–.03 139.59E–.07 23–7 3.7b,3.5b
JMA VIII 23 15 02 17.2 39.74N 139.61E 16–1 3.2,3.5b
IDC Error ellipse: s-maj=86.7km s-min=17.1km az=114.0.
ISCJB Error ellipse: s-maj=9.4km s-min=4.7km az=11.5.
JMA IX 11 03 13 04.9–.10 37.73N 138.84E 10–2 2.1
¶15172684
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 20 15 49 51.6–.45 37.18N–.02 138.83E–.04 18–3 3.4b 26 0-61
IDC IX 20 15 49 48.8–1.4 37.17N 138.96E 0 3.7,3.5b **¶11910708**
ISCJB IX 20 15 49 51.3–.41 37.18N–.03 138.82E–.05 26–4 3.4b,3.5b
JMA IX 20 15 49 51.8 37.18N 138.81E 9–1 3.5,3.5b
ISC Event type fe.
IDC Error ellipse: s-maj=25.6km s-min=13.4km az=122.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=1.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s236.00000°,δ24.00000°,λ135.00000°. NP2:ϕ_s8.00000°,δ73.00000°,λ72.00000°. Principal axes: T Plg58.0000°,Azm254.0000°; N Plg17.0000°,Azm13.0000°; P Plg26.0000° ,Azm112.0000°
ISC IX 20 16 37 07.1–.59 37.18N–.03 138.80E–.05 20–5 18 0-1
ISCJB IX 20 16 37 07.0–.50 37.18N–.03 138.80E–.05 33 **¶14102663**
JMA IX 20 16 37 07.5 37.17N 138.81E 9–1 2.5
ISCJB Error ellipse: s-maj=6.1km s-min=4.2km az=178.8.
ISC X 31 05 34 05.9–.68 37.6N–.10 136.27E–.10 306–8 2.7b 25 1-57
ISCJB X 31 05 34 04.9–.68 37.6N–.10 136.3E–.10 314–8 2.7b **¶12071711**
JMA X 31 05 34 04.7–.30 37.60N 136.32E 320–3 2.6
IDC X 31 05 34 05.6–1.2 37.59N 136.18E 301–13 2.8,2.6
ISCJB Error ellipse: s-maj=20.6km s-min=9.2km az=150.8.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=28.8km s-min=21.7km az=91.0.
JMA XI 01 05 32 20.0–.10 40.57N 139.24E 22–2 3.6
¶14117205
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
JMA XI 02 14 44 15.3 37.26N 136.69E 8–1 3.5
¶14117810
JMA Event type fe.
ISC XI 04 12 32 21.5–.58 37.76N–.04 138.45E–.04 24–7 17 0-1
ISCJB XI 04 12 32 21.5–.61 37.76N–.04 138.45E–.04 25–7 **¶14118468**
JMA XI 04 12 32 21.8 37.75N 138.45E 21–1 2.6
ISCJB Error ellipse: s-maj=7.7km s-min=5.4km az=17.9.
JMA XI 17 02 05 55.1–.20 40.72N 139.12E 15 1.6
¶14122915
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISC XI 21 21 27 14.9–.98 38.60N–.04 138.11E–.05 25–7 3.5b 40 1-91
NIED XI 21 21 27 00 38.60N 138.00E 20 3.8W **¶11751004**
IDC XI 21 21 27 11.3–.74 38.66N 137.98E 0 4.0,3.7b
ISCJB XI 21 21 27 14.1–1.0 38.63N–.04 138.05E–.04 32–7 3.5b,3.7b
NEIC XI 21 21 27 14.1 38.65N 138.04E 41 4.0,3.7b
JMA XI 21 21 27 14.0–.10 38.65N 138.04E 41–1 4.0,3.7b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ56.00000°,λ89.00000°. NP2:ϕ_s198.00000°,δ34.00000°,λ91.00000°. $M_0$5.12000×10^{14}
IDC Error ellipse: s-maj=21.9km s-min=19.1km az=91.0.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.9km az=0.2.
NEIC Event type fe. Recorded [1 JMA] on Sadogo-shima. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XII 19 20 10 46.8 37.51N 138.25E 25–1 1.3
¶15518115
ISC XII 30 14 25 11.8–.38 37.37N–.02 138.61E–.03 16–3 3.7b 55 0-92
NIED XII 30 14 25 00 37.40N 138.60E 8 3.8W **¶11524528**
IDC XII 30 14 25 09.7–.61 37.45N 138.42E 0 4.0,3.8
ISCJB XII 30 14 25 11.5–.33 37.39N–.03 138.60E–.03 26–3 3.7b,3.8
JMA XII 30 14 25 12.1–.10 37.39N 138.61E 17–2 3.9,3.8
NEIC XII 30 14 25 13.9–1.3 37.29N 138.47E 29–10 3.9,3.8

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ50.00000°,λ103.00000°. NP2:ϕ_s11.00000°,δ42.00000°,λ75.00000°. $M_0$5.53000×10^{14}
IDC Error ellipse: s-maj=21.2km s-min=9.0km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.0km az=137.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.9km az=101.0.

ISC	**XII**	**31 13 54 21.6–.18**	**37.05N–.03**	**137.55E–.04**	**247–1**	**4.2b**	**215**	**0-149**
NIED	XII	31 13 54 00	37.00N	137.50E	250	4.5W		**¶11751887**
MOS	XII	31 13 54 20.3–.99	37.14N	137.54E	250	4.5b		
ISCJB	XII	31 13 54 20.5–.19	37.05N–.03	137.55E–.04	253–2	4.2b		
JMA	XII	31 13 54 21.3–.20	37.01N	137.60E	252–2	4.6		
IDC	XII	31 13 54 21.3–.39	37.03N	137.35E	242–3	3.9,3.9		
NEIC	XII	31 13 54 21.5–.44	37.09N	137.49E	245–4	4.4b,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s237.00000°,δ65.00000°,λ131.00000°. NP2:ϕ_s353.00000°,δ47.00000°,λ35.00000°. $M_0$6.11000×10^{15}
MOS Error ellipse: s-maj=10.3km s-min=6.9km az=118.5.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.5km az=32.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s224.00000°,δ63.00000°,λ112.00000°. NP2:ϕ_s2.00000°,δ35.00000°,λ54.00000°. Principal axes: T Plg65.0000°,Azm174.0000° ; N Plg20.0000°,Azm34.0000°; P Plg15.0000°,Azm298.0000°
IDC Error ellipse: s-maj=10.0km s-min=7.5km az=83.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=5.7km az=112.0. Recorded [1 JMA] in Fukushima and Ibaraki.

(227) Eastern Honshu.

ISC	**VII**	**01 02 36 57.6–.42**	**39.14N–.03**	**140.96E–.04**	**10**	**3.7b**	**27**	**0-146**
NIED	VII	01 02 36 00	39.20N	141.00E	5	3.7W		**¶11746815**
ISCJB	VII	01 02 36 56.7–.42	39.13N–.03	140.95E–.04	10	3.7b		
NEIC	VII	01 02 36 56.9	39.16N	140.95E	10	3.9		
JMA	VII	01 02 36 56.9	39.16N	140.95E	10	3.6		
IDC	VII	01 02 37 01.9–4.1	39.07N	140.67E	35–33	3.7,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ47.00000°,λ94.00000°. NP2:ϕ_s184.00000°,δ43.00000°,λ86.00000°. $M_0$3.80000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=141.5.
NEIC Event type se. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s247.00000°,δ43.00000°,λ-157.00000°. NP2:ϕ_s139.00000°,δ74.00000°,λ-49.00000°. Principal axes: T Plg19.0000°,Azm200.0000°; N Plg39.0000°,Azm306.0000°; P Plg45.0000° ,Azm90.0000°
IDC Error ellipse: s-maj=33.2km s-min=17.6km az=107.0.

ISC	**VII**	**01 11 17 50.1–.47**	**38.96N–.02**	**140.60E–.02**	**0–3**	**4.5b,3.8s**	**396**	**0-146**
NIED	VII	01 11 17 00	39.00N	140.70E	5	4.1W,3.8s		**¶13379033**
BJI	VII	01 11 17 46.7	38.98N	141.01E	10	4.7b,4.5b		
ISCJB	VII	01 11 17 49.1–.46	38.99N–.02	140.57E–.02	3–3	4.4b,3.8s		
JMA	VII	01 11 17 49.5–.10	38.96N	140.66E	2–1	4.3,3.8s		
IDC	VII	01 11 17 49.4–.57	38.96N	140.55E	0	4.4,4.3		
NEIC	VII	01 11 17 52.7–2.5	38.98N	140.49E	18–15	4.5b,4.1W		
MOS	VII	01 11 17 53.6–1.0	39.02N	140.46E	38	4.5b,4.1W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s170.00000°,δ83.00000°,λ-9.00000°. NP2:ϕ_s261.00000°,δ81.00000°,λ-173.00000°. $M_0$1.60000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=156.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s168.00000°,δ65.00000°,λ-20.00000°. NP2:ϕ_s267.00000°,δ72.00000°,λ-153.00000°. Principal axes: T Plg5.0000°,Azm36.0000°; N Plg59.0000°,Azm298.0000°; P Plg31.0000° ,Azm129.0000°
IDC Error ellipse: s-maj=17.3km s-min=12.8km az=123.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.5km az=157.0. Recorded [3 JMA] in Miyagi and [2 JMA] in Akita and Yamagata. Moment Tensor Solution. $M_0$1.60000×10^{15}
MOS Error ellipse: s-maj=10.5km s-min=6.7km az=83.4.

ISC	**VII**	**02 15 50 24.5–.55**	**39.08N–.03**	**140.98E–.05**	**10**	**3.7b**	**18**	**0-63**
ISCJB	VII	02 15 50 24.0–.52	39.09N–.03	140.01E–.05	10	3.7b		**¶12697945**
IDC	VII	02 15 50 23.3–1.8	38.89N	141.38E	0	3.5b,3.5		
JMA	VII	02 15 50 24.1	39.10N	140.95E	9–1	3.3,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.6km az=11.6.
IDC Error ellipse: s-maj=46.0km s-min=31.5km az=106.0.
JMA Event type fe.

ISC	**VII**	**03 12 30 23.9–.49**	**39.03N–.03**	**140.89E–.04**	**4–5**	**3.5b**	**24**	**0-63**
IDC	VII	03 12 30 22.2–1.5	38.96N	141.04E	0	3.4b,3.4		**¶12697974**
ISCJB	VII	03 12 30 23.3–.49	39.04N–.03	140.90E–.04	10–5	3.5b,3.4		
JMA	VII	03 12 30 23.5	39.04N	140.86E	10–1	3.3,3.4		

ISC Event type fe.
IDC Error ellipse: s-maj=33.7km s-min=24.0km az=98.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=4.7km az=7.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s231.00000°,δ45.00000°,λ111.00000°. NP2:ϕ_s22.00000°,δ49.00000°,λ70.00000°. Principal axes: T Plg75.0000°,Azm222.0000°; N Plg15.0000°,Azm35.0000°; P Plg2.0000° ,Azm126.0000°

ISC	**VII**	**05 04 14 36.7–.46**	**39.12N–.03**	**140.97E–.04**	**10–3**	**3.8b**	**39**	**0-146**
IDC	VII	05 04 14 34.8–.69	39.15N	140.94E	0	4.0,3.8b		**¶11810673**
ISCJB	VII	05 04 14 36.4–.45	39.13N–.03	140.99E–.04	19–4	3.8b,3.8b		
JMA	VII	05 04 14 36.6	39.11N	140.95E	9–1	4.0,3.8b		
NEIC	VII	05 04 14 40.1–.94	39.13N	140.92E	36–9	4.1b,3.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=21.1km s-min=14.3km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.5km az=19.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s35.00000°,δ42.00000°,λ70.00000°. NP2:ϕ_s241.00000°,δ51.00000°,λ107.00000°. Principal axes: T Plg76.0000°,Azm208.0000°; N Plg13.0000°,Azm50.0000°; P Plg5.0000° ,Azm319.0000°
NEIC Event type fe. Error ellipse: s-maj=12.2km s-min=8.4km az=120.0. Recorded [2 JMA] in Akita and Iwate; [1 JMA] in Miyagi.

ISC	**VII**	**05 05 21 46.1–.46**	**39.07N–.03**	**140.96E–.04**	**8–3**	**4.1b**	**37**	**0-146**
IDC	VII	05 05 21 44.4–1.0	39.06N	140.95E	0	4.1,4.0b		**¶11810676**
ISCJB	VII	05 05 21 45.7–.45	39.08N–.03	141.00E–.04	19–4	4.1b,4.0b		
NEIC	VII	05 05 21 46.0	39.07N	140.95E	9	4.3b,4.0b		
JMA	VII	05 05 21 45.9	39.07N	140.95E	9–1	4.0,4.0b		

ISC Event type fe.
IDC Error ellipse: s-maj=29.8km s-min=16.8km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.8km az=9.2.
NEIC Event type fe. Recorded [3 JMA] in Iwate and [2 JMA] in Akita and Miyagi. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s262.00000°,δ33.00000°,λ124.00000°. NP2:ϕ_s44.00000°,δ63.00000°,λ70.00000°. Principal axes: T Plg66.0000°,Azm278.0000°; N Plg17.0000°,Azm53.0000°; P Plg16.0000° ,Azm148.0000°

ISC	**VII**	**07 06 14 17.3–.51**	**39.03N–.03**	**140.91E–.04**	**2–5**	**3.6b**	**26**	**0-146**
NIED	VII	07 06 14 00	39.00N	140.90E	5	3.8W		**¶11746911**
IDC	VII	07 06 14 13.8–1.5	39.30N	140.96E	0	3.8,3.6b		
ISCJB	VII	07 06 14 16.7–.51	39.04N–.03	140.92E–.04	12–5	3.6b,3.6b		
NEIC	VII	07 06 14 17.1	39.04N	140.89E	10	4.2,3.6b		
JMA	VII	07 06 14 17.0	39.04N	140.89E	10–1	4.0,3.6b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s199.00000°,δ68.00000°,λ47.00000°. NP2:ϕ_s88.00000°,δ47.00000°,λ150.00000°. $M_0$6.03000×10^{14}
IDC Error ellipse: s-maj=30.1km s-min=27.9km az=120.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.9km az=14.7.
NEIC Event type fe. Recorded [2 JMA] in Akita, Iwate and Miyagi. After JMA.
JMA Event type fe.

ISC	**VII**	**07 18 45 19.3–.49**	**38.76N–.03**	**140.80E–.03**	**2–6**	**3.5b**	**24**	**0-62**
ISCJB	VII	07 18 45 18.9–.54	38.76N–.03	140.81E–.04	12–4	3.5b		**¶12698069**
JMA	VII	07 18 45 19.3	38.77N	140.78E	4–1	3.2		
IDC	VII	07 18 45 19.0–2.6	38.54N	141.00E	0	3.6,3.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.5km az=146.1.
JMA Event type fe.
IDC Error ellipse: s-maj=50.4km s-min=23.3km az=160.0.

ISC	**VII**	**07 20 22 29.5–.48**	**38.87N–.03**	**140.79E–.03**	**3–5**	**3.7b**	**31**	**0-63**
NIED	VII	07 20 22 00	38.90N	140.80E	5	3.5W		**¶11746927**
IDC	VII	07 20 22 27.0–2.0	38.98N	141.08E	0	3.5b,3.5		
NEIC	VII	07 20 22 28.7–1.1	38.98N	141.00E	10	4.1b,3.5		
ISCJB	VII	07 20 22 29.1–.58	38.87N–.03	140.80E–.04	12–4	3.7b,3.5		
JMA	VII	07 20 22 29.4	38.87N	140.78E	4–1	3.5,3.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ61.00000°,λ136.00000°. NP2:ϕ_s336.00000°,δ53.00000°,λ38.00000°. $M_0$2.24000×10^{14}
IDC Error ellipse: s-maj=36.9km s-min=30.0km az=97.0.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=12.5km az=91.0.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.5km az=151.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s147.00000°,δ71.00000°,λ11.00000°. NP2:ϕ_s53.00000°,δ80.00000°,λ161.00000°. Principal axes: T Plg21.0000°,Azm9.0000°; N Plg68.0000°,Azm206.0000°; P Plg6.0000° ,Azm101.0000°

ISC	**VII**	**09 12 27 28.7–.25**	**35.97N–.04**	**138.92E–.04**	**135–2**	**4.0b**	**80**	**0-153**
NIED	VII	09 12 27 00	36.00N	138.90E	145	4.4W		**¶13388568**
ISCJB	VII	09 12 27 27.6–.25	35.96N–.04	138.91E–.04	138–2	4.0b		
JMA	VII	09 12 27 28.6–.10	35.95N	138.97E	135–1	4.2		
IDC	VII	09 12 27 28.1–.45	35.91N	138.80E	132–3	4.0,3.9		
NEIC	VII	09 12 27 28.7	35.95N	138.97E	135	4.2b,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ71.00000°,λ-55.00000°. NP2:ϕ_s250.00000°,δ39.00000°,λ-149.00000°. $M_0$4.05000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=5.1km az=43.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s246.00000°,δ41.00000°,λ-131.00000°. NP2:ϕ_s115.00000°,δ61.00000°,λ-60.00000°. Principal axes: T Plg11.0000°,Azm184.0000° ; N Plg25.0000°,Azm279.0000°; P Plg62.0000°,Azm73.0000°
IDC Error ellipse: s-maj=15.8km s-min=7.9km az=66.0.
NEIC Event type fe. Recorded [1 JMA] in Gumma, Ibaraki, Kanagawa, Nagano, Saitama and Tochigi. After JMA.

ISC	**VII**	**11 23 06 03.7–.46**	**39.17N–.02**	**140.82E–.04**	**2–3**	**4.2b,3.7s**	**88**	**0-146**
NIED	VII	11 23 06 00	39.20N	140.80E	5	4.2W,3.7s		**¶13388775**
NEIC	VII	11 23 06 03.7	39.17N	140.84E	8	4.4b,3.7s		
IDC	VII	11 23 06 03.8–.57	39.11N	140.52E	0	4.2,4.1		
JMA	VII	11 23 06 03.6	39.17N	140.84E	8–1	4.4,4.1		
ISCJB	VII	11 23 06 03.3–.47	39.17N–.02	140.83E–.04	11–3	4.2b,3.7s		
MOS	VII	11 23 06 06.9–1.1	39.17N	140.62E	33	4.7b,3.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s120.00000°,δ89.00000°,λ-4.00000°. NP2:ϕ_s210.00000°,δ86.00000°,λ-179.00000°. $M_0$2.52000×10^{15}
NEIC Event type fe. Recorded [2 JMA] in Akita, Iwate and Miyagi. After JMA.
IDC Error ellipse: s-maj=17.4km s-min=13.4km az=101.0.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.4km az=4.5.
MOS Error ellipse: s-maj=12.7km s-min=7.2km az=93.2.

ISC	**VII**	**12 15 15 35.7–.34**	**36.24N–.04**	**137.17E–.05**	**262–2**	**3.5b**	**56**	**1-93**
ISCJB	VII	12 15 15 34.8–.34	36.25N–.04	137.16E–.06	267–2	3.5b		**¶11811366**
IDC	VII	12 15 15 35.2–.57	36.17N	137.03E	256–6	3.5,3.2b		
JMA	VII	12 15 15 35.2–.10	36.21N	137.22E	268–2	3.1,3.2b		
NEIC	VII	12 15 15 35.5–.62	36.25N	137.12E	260–6	4.1b,3.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.6km az=25.0.
IDC Error ellipse: s-maj=20.7km s-min=11.0km az=67.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=11.5km az=222.0.

ISC	**VII**	**14 12 18 41.1–1.2**	**39.80N–.04**	**142.0E–.10**	**68–7**		**24**	**0-4**
ISCJB	VII	14 12 18 40.6–1.2	39.79N–.04	142.0E–.10	72–7			**¶13507184**
JMA	VII	14 12 18 41.2	39.79N	141.96E	69–1	3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.2km s-min=6.0km az=177.2.
JMA Event type fe.

ISC	**VII**	**14 14 56 40.6–.43**	**39.13N–.02**	**140.91E–.03**	**9–3**	**4.3b,3.2s**	**102**	**0-146**
NIED	VII	14 14 56 00	39.10N	140.90E	5	4.1W,3.2s		**¶13389193**
IDC	VII	14 14 56 39.0–.58	39.10N	140.74E	0	4.2,4.1		
BJI	VII	14 14 56 39.4	38.85N	140.71E	8	4.6b,4.5b		
NEIC	VII	14 14 56 40.3	39.13N	140.90E	11	4.6b,4.1W		
JMA	VII	14 14 56 40.2	39.13N	140.90E	11–1	4.3,4.1W		
ISCJB	VII	14 14 56 40.1–.41	39.14N–.02	140.91E–.03	20–3	4.3b,3.2s		
MOS	VII	14 14 56 41.5–.97	39.10N	140.92E	33	4.5b,3.2s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ51.00000°,λ122.00000°. NP2:ϕ_s357.00000°,δ49.00000°,λ57.00000°. $M_0$1.75000×10^{15}
IDC Error ellipse: s-maj=17.7km s-min=13.5km az=104.0.
NEIC Event type fe. Recorded [3 JMA] in Miyagi; [2 JMA] in Akita and Iwate; [1 JMA] in Fukushima and Yamagata. After JMA. Moment Tensor Solution. $M_0$1.80000×10^{15}
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.3km az=27.8.
MOS Error ellipse: s-maj=11.3km s-min=6.9km az=85.4.

ISC	**VII**	**15 12 37 14.7–.41**	**35.51N–.03**	**138.99E–.05**	**24–3**	**3.9b**	**47**	**0-149**
NIED	VII	15 12 37 00	35.50N	139.00E	20	3.9W		**¶11126422**
ISCJB	VII	15 12 37 13.9–.39	35.50N–.03	139.03E–.05	32–3	3.9b		
JMA	VII	15 12 37 14.9	35.53N	138.98E	21–1	4.1		
IDC	VII	15 12 37 14.5–.53	35.51N	138.90E	24–3	3.8,3.8L		
NEIC	VII	15 12 37 14.9	35.53N	138.98E	21	4.3b,3.8L		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ73.00000°,λ68.00000°. NP2:ϕ_s257.00000°,δ28.00000°,λ141.00000°. $M_0$9.17000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.3km az=176.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s232.00000°,δ38.00000°,λ97.00000°. NP2:ϕ_s43.00000°,δ52.00000°,λ85.00000°. Principal axes: T Plg82.0000°,Azm284.0000°; N Plg4.0000°,Azm46.0000°; P Plg7.0000° ,Azm137.0000°
IDC Error ellipse: s-maj=18.3km s-min=8.8km az=70.0.
NEIC Event type fe. Felt in Akishima and at Atsugi and Sagamihara. After JMA.

ISC	**VII**	**15 13 23 06.6–.38**	**35.51N–.02**	**138.98E–.04**	**22–3**	**4.1b,3.5s**	**70**	**0-93**
NIED	VII	15 13 23 00	35.50N	139.00E	11	4.1W,3.5s		**¶11126424**
MOS	VII	15 13 23 05.4–1.1	35.42N	139.08E	33	4.8b,3.5s		
ISCJB	VII	15 13 23 06.0–.35	35.50N–.02	139.03E–.04	32–2	4.1b,3.5s		
JMA	VII	15 13 23 06.7–.10	35.53N	138.99E	21–1	4.3,3.5s		
NEIC	VII	15 13 23 06.6–.40	35.49N	138.95E	23	4.6b,4.1W		
IDC	VII	15 13 23 06.5–.52	35.52N	138.96E	21–3	4.2L,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ75.00000°,λ120.00000°. NP2:ϕ_s174.00000°,δ33.00000°,λ28.00000°. $M_0$1.57000×10^{15}
MOS Error ellipse: s-maj=14.5km s-min=7.9km az=102.7.
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.6km az=178.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s186.00000°,δ39.00000°,λ32.00000°. NP2:ϕ_s70.00000°,δ70.00000°,λ124.00000°. Principal axes: T Plg52.0000°,Azm20.0000°; N Plg32.0000°,Azm237.0000°; P Plg18.0000° ,Azm135.0000°
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=8.3km az=87.0. Felt in Akishima, Ayase and at Tokyo. Recorded [3 JMA] in Kanagawa and Yamanashi; [2 JMA] in Shizuoka and Tokyo; [1 JMA] in Chiba, Gumma, Nagano and Saitama. Moment Tensor Solution. $M_0$1.60000×10^{15}
IDC Error ellipse: s-maj=16.0km s-min=8.2km az=72.0.

ISC	**VII**	**19 04 09 33.0–.47**	**39.10N–.03**	**140.86E–.04**	**12–3**	**3.9b**	**42**	**0-150**
IDC	VII	19 04 09 31.3–.66	39.16N	140.81E	0	3.9,3.8		**¶11812015**
ISCJB	VII	19 04 09 32.5–.46	39.12N–.03	140.88E–.04	21–4	3.9b,3.8		
JMA	VII	19 04 09 32.9	39.11N	140.85E	12–1	4.2,3.8		
NEIC	VII	19 04 09 32.9–.35	39.21N	140.83E	10	4.3b,3.8		

ISC Event type fe.
IDC Error ellipse: s-maj=20.5km s-min=12.9km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=5.1km az=172.2.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=7.0km az=111.0. Recorded [2 JMA] in Akita and Iwate; [1 JMA] in Miyagi.

ISC	**VII**	**19 18 59 00.2–.56**	**39.09N–.03**	**140.87E–.04**	**4–5**	**3.6b**	**24**	**0-67**
NIED	VII	19 18 58 00	39.10N	140.80E	17	3.4W		**¶12698329**

ISCJB VII 19 18 58 59.5–.56 39.10N–.03 140.85E–.04 13–4 3.6b
JMA VII 19 18 58 59.8 39.10N 140.84E 12–1 3.9
IDC VII 19 18 59 04.8–5.8 39.24N 140.56E 33–47 3.4b,3.4
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ77.00000°,λ81.00000°. NP2:ϕ_s245.00000°,δ16.00000°,λ123.00000°. $M_0$1.64000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=5.0km az=139.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s228.00000°,δ9.00000°,λ126.00000°. NP2:ϕ_s12.00000°,δ82.00000°,λ85.00000°. Principal axes: T Plg52.0000°,Azm276.0000°; N Plg5.0000°,Azm13.0000°; P Plg37.0000° ,Azm107.0000°
IDC Error ellipse: s-maj=34.6km s-min=19.8km az=104.0.
ISC VII 23 03 54 24.4–.43 39.01N–.02 140.87E–.04 9–3 4.0b,3.7s 54 0-146
NIED VII 23 03 54 00 39.00N 140.90E 5 3.9W,3.7s **¶13389873**
IDC VII 23 03 54 23.1–.73 39.07N 140.82E 0 4.1,4.0b
ISCJB VII 23 03 54 24.3–.40 39.01N–.03 140.92E–.04 20–3 4.0b,3.7s
JMA VII 23 03 54 24.3 39.00N 140.86E 10–1 4.2,3.7s
NEIC VII 23 03 54 24.4 39.00N 140.86E 10 4.3b,3.7s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ62.00000°,λ95.00000°. NP2:ϕ_s190.00000°,δ28.00000°,λ81.00000°. $M_0$9.25000×10^{14}
IDC Error ellipse: s-maj=21.2km s-min=13.1km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.9km az=23.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s214.00000°,δ38.00000°,λ112.00000°. NP2:ϕ_s8.00000°,δ55.00000°,λ74.00000°. Principal axes: T Plg74.0000°,Azm233.0000°; N Plg13.0000°,Azm17.0000°; P Plg9.0000° ,Azm109.0000°
NEIC Event type fe. Recorded [2 JMA] in Iwate and [1 JMA] in Akita and Miyagi. After JMA.
ISC VII 23 15 26 20.7–.06 39.80N–.01 141.50E–.01 113 6.5b 2372 0-164
NIED VII 23 15 26 00 39.70N 141.70E 104 6.8W **¶13389912**
BGS VII 23 15 26 05.4–1.5 38.84N 142.57E 33–0 6.4b,6.1s
MOS VII 23 15 26 17.8–.91 39.83N 141.53E 101 6.6b,6.4s
BJI VII 23 15 26 17.2 39.70N 141.46E 107 7.0b,6.5b
JMA VII 23 15 26 19.6–.10 39.73N 141.64E 108–1 6.8,6.5b
ISCJB VII 23 15 26 19.1–.06 39.77N–.01 141.52E–.01 111 6.5b,6.5b
IDC VII 23 15 26 19.1–.90 39.81N 141.57E 100–6 6.2s,6.2
SZGRF VII 23 15 26 19.0 40.35N 143.59E 115 6.7b,6.2
NEIC VII 23 15 26 19.9–.09 39.80N 141.46E 108 7.0,6.8W
DJA VII 23 15 26 24 39.68N 141.34E 120 7.3W,6.8W
GCMT VII 23 15 26 24.1–.10 39.73N 141.51E 99–0 6.8W,6.8W
ISC Event type de.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s179.00000°,δ71.00000°,λ-93.00000°. NP2:ϕ_s7.00000°,δ19.00000°,λ-82.00000°. $M_0$1.72000×10^{19}
BGS Error ellipse: s-maj=140.4km s-min=341.6km az=-1.0.
MOS Event type fe. Error ellipse: s-maj=5.8km s-min=3.3km az=105.6. Felt (IV) at Malokuril'skoe; (III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s83.00000°,δ27.00000°,λ-53.00000°. NP2: ϕ_s222.00000°,δ69.00000°,λ-107.00000°. Principal axes: T Plg22.0000°,Azm325.0000° ; N Plg16.0000°,Azm228.0000°; P Plg62.0000°,Azm106.0000°
ISCJB Event type de. Error ellipse: s-maj=1.7km s-min=1.3km az=144.7.
IDC Error ellipse: s-maj=8.2km s-min=6.2km az=81.0.
SZGRF Off east coast of Honshu, Japan.
NEIC Event type de. Error ellipse: s-maj=2.9km s-min=2.3km az=170.0. One person killed, about 200 injured, 90 buildings damaged, landslides occurred, roads closed, train service and power disrupted in northern Honshu. Felt [VII] at Misawa; [IV] at Ayase and Tsukuba; [III] at Narita, Ome, Tokyo, Yokohama and Yokosuka. Also felt [III] at Sapporo, Hokkaido. Felt widely in southwestern Hokkaido and in Honshu as far south as the Tokyo area. Recorded [6U JMA] in Iwate; [6L JMA] in Aomori; [5U JMA] in Miyagi; [4 JMA] in Akita, Fukushima, Ibaraki and Yamagata; [3 JMA] in Chiba, Gumma, Kanagawa, Niigata, Saitama, Tochigi and Tokyo; [2 JMA] in Ishikawa, Nagano, Shizuoka and Yamanashi; [1 JMA] in Aichi, Fukui and Shiga. Also recorded [4 JMA] in eastern and southern Hokkaido; [2 JMA] on Hachijo-jima, Miyake-jima and O-shima; [1 JMA] on Aogo-shima, Kozu-shima and Mikura-jima. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000° ,δ70.00000°,λ-90.00000°. NP2:ϕ_s55.00000°,δ20.00000°,λ-90.00000°. Principal axes: T Plg25.0000°,Azm325.0000°; N Plg0.0000°,Azm0.0000°; P Plg58.0000°,Azm107.0000° Moment Tensor Solution. s184 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.09 $M_{\theta\theta}$0.47 $M_{\phi\phi}$0.62 $M_{r\theta}$-0.27 $M_{\theta\phi}$0.06 $M_{\phi r}$1.72 Best double couple: NP1:ϕ_s173.00000°,δ77.00000°,λ-92.00000°. NP2:ϕ_s3.00000°,δ13.00000°,λ-79.00000°. Principal axes: T 1.6900,Plg31.0000° ,Azm264.0000°; N 0.4900,Plg2.0000°,Azm173.0000°; P -2.1800,Plg57.0000°,Azm79.0000° $M_0$2.00000×10^{19} Moment Tensor Solution. $M_0$1.70000×10^{19} Moment Tensor Solution. $M_0$9.80000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 103 sta. Surface waves: sta=116, comp=304, per= 50. Moment Tensor Solution. s113,c299; s99,c234; Moment tensor: Scale 10^{19}Nm; M_{rr}-1.35±.01 $M_{\theta\theta}$0.49±.01; $M_{\phi\phi}$0.86±.01; $M_{r\theta}$-0.18±.01; $M_{\theta\phi}$0.13±.01; $M_{\phi r}$1.57±.01; Best double couple: NP1:ϕ_s14.00000°,δ18.00000° ,λ-75.00000°. NP2:ϕ_s178.00000°,δ73.00000°,λ-95.00000°. Principal axes: T 1.6700,Plg27.0000°,Azm272.0000°; N 0.5100,Plg5.0000°,Azm179.0000° ; P -2.1800,Plg62.0000°,Azm80.0000° $M_0$1.90000×10^{19}
ISC VII 24 02 27 53.7–.18 39.66N–.02 141.46E–.03 109 4.7b 342 0-145
NIED VII 24 02 27 00 39.60N 141.50E 110 5.1W **¶13389952**
BJI VII 24 02 27 51.1 39.61N 141.56E 117 5.6b,4.9b
ISCJB VII 24 02 27 52.5–.18 39.71N–.02 141.41E–.03 107 4.7b,4.9b
IDC VII 24 02 27 52.9–1.6 39.65N 141.49E 108–13 4.1s,4.1
SZGRF VII 24 02 27 52.7 39.85N 142.63E 104 4.9b,4.1
MOS VII 24 02 27 52.6–1.0 39.81N 141.31E 105 4.9b,4.1
JMA VII 24 02 27 53.9–.10 39.62N 141.52E 112–1 4.8,4.1
NEIC VII 24 02 27 54.0 39.62N 141.52E 112 5.1W,4.9b
GCMT VII 24 02 27 56.0–.40 39.80N 141.45E 130–6 5.2W,4.9b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ85.00000°,λ-92.00000°. NP2:ϕ_s49.00000°,δ5.00000°,λ-63.00000°. $M_0$5.37000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=31.2.
IDC Error ellipse: s-maj=13.0km s-min=9.6km az=142.0.
SZGRF Near east coast of eastern Honshu, Japan.
MOS Error ellipse: s-maj=7.6km s-min=4.5km az=106.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s321.00000°,δ10.00000°,λ-158.00000°. NP2: ϕ_s209.00000°,δ86.00000°,λ-81.00000°. Principal axes: T Plg41.0000°,Azm291.0000° ; N Plg9.0000°,Azm29.0000°; P Plg48.0000°,Azm129.0000°
NEIC Event type fe. Recorded [3 JMA] in Aomori and Iwate; [2 JMA] in Miyagi; [1 JMA] in Akita and Fukushima. Also recorded [2 JMA] in southwestern Hokkaido. After JMA. Moment Tensor Solution. $M_0$5.40000×10^{16}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s13,c13; s67,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.85±.44 $M_{\theta\theta}$2.07±.50; $M_{\phi\phi}$-0.22±.56; $M_{r\theta}$1.90±.27; $M_{\theta\phi}$2.94±.47; $M_{\phi r}$6.32±.30; Best double couple: NP1:ϕ_s92.00000°,δ25.00000°,λ-19.00000°. NP2:ϕ_s200.00000°,δ82.00000°,λ-114.00000°. Principal axes: T 7.5400,Plg33.0000° ,Azm310.0000°; N -0.1000,Plg23.0000°,Azm203.0000°; P -7.4400,Plg48.0000° ,Azm85.0000° $M_0$7.50000×10^{16}
ISC VII 24 20 48 00.8–.49 38.98N–.03 140.82E–.04 5–4 3.7b 34 0-77
ISCJB VII 24 20 48 00.5–.71 38.98N–.03 140.83E–.05 15–5 3.7b **¶11747142**
JMA VII 24 20 48 00.6 38.98N 140.82E 8–1 3.9
NIED VII 24 20 48 00 39.00N 140.80E 5 3.9W
NEIC VII 24 20 48 05.5–.95 38.89N 140.80E 47–10 4.0b
IDC VII 24 20 48 06.3–2.3 38.93N 140.76E 52–24 3.6,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.4km az=12.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s339.00000°,δ49.00000°,λ10.00000°. NP2:ϕ_s243.00000°,δ83.00000°,λ138.00000°. Principal axes: T Plg34.0000°,Azm192.0000°; N Plg48.0000°,Azm54.0000°; P Plg22.0000° ,Azm298.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s227.00000°,δ59.00000°,λ126.00000°. NP2:ϕ_s353.00000°,δ46.00000°,λ46.00000°. $M_0$8.33000×10^{14}
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=9.2km az=124.0.
IDC Error ellipse: s-maj=31.4km s-min=16.6km az=99.0.
ISC VII 26 20 28 43.0–.52 39.14N–.03 140.94E–.04 2–5 3.5b 24 0-59
NIED VII 26 20 28 00 39.20N 140.90E 5 3.5W **¶11747168**
ISCJB VII 26 20 28 42.4–.49 39.15N–.03 140.93E–.03 11–4 3.5b
JMA VII 26 20 28 42.6 39.16N 140.93E 10–1 3.7
IDC VII 26 20 28 44.5–4.4 39.02N 141.01E 18–28 3.5,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s6.00000°,δ53.00000°,λ77.00000°. NP2: ϕ_s207.00000°,δ39.00000°,λ107.00000°. $M_0$2.05000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.5km az=14.0.
JMA Event type fe.
IDC Error ellipse: s-maj=31.7km s-min=20.3km az=120.0.
ISC VII 27 02 05 37.3–.46 39.39N–.04 140.35E–.08 138–4 3.2b 40 0-48
ISCJB VII 27 02 05 36.4–.45 39.39N–.04 140.35E–.08 140–4 3.2b **¶11812684**
IDC VII 27 02 05 37.5–1.3 39.45N 140.26E 134–16 3.1b,3.0
JMA VII 27 02 05 37.7–.10 39.36N 140.29E 133–1 3.0,3.0
NEIC VII 27 02 05 37.7 39.36N 140.29E 133 3.0,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=4.4km az=29.3.
IDC Error ellipse: s-maj=32.7km s-min=11.6km az=120.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.
ISC VII 28 15 55 15.3–.43 38.95N–.03 140.91E–.04 8–3 3.8b 35 0-74
NIED VII 28 15 55 00 38.90N 140.90E 5 3.7W **¶11153872**
ISCJB VII 28 15 55 15.1–.41 38.96N–.03 140.95E–.04 20–4 3.8b
JMA VII 28 15 55 15.3 38.96N 140.91E 8–1 3.9
IDC VII 28 15 55 19.4–3.5 38.97N 140.87E 39–31 3.6,3.5b
NEIC VII 28 15 55 19.6–.77 38.96N 140.85E 41–8 4.0b,3.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s83.00000°,δ68.00000°,λ68.00000°. NP2:ϕ_s311.00000°,δ31.00000°,λ133.00000°. $M_0$3.85000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.2km az=31.3.
JMA Event type fe.
IDC Error ellipse: s-maj=26.3km s-min=19.8km az=100.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.3km az=127.0.
ISC VII 29 07 27 33.3–.42 39.06N–.02 140.80E–.03 8–2 4.5b,3.9s 157 0-146
NIED VII 29 07 27 00 39.10N 140.90E 20 4.0W,3.9s **¶13390360**
IDC VII 29 07 27 32.1–.75 39.13N 140.74E 0 4.2,4.2
JMA VII 29 07 27 32.9 39.06N 140.86E 10–1 4.3,4.2
ISCJB VII 29 07 27 32.6–.50 39.07N–.02 140.80E–.03 13–3 4.5b,3.9s
NEIC VII 29 07 27 33.0 39.06N 140.86E 10 4.7b,4.0W
BJI VII 29 07 27 34.6 38.84N 140.32E 9 4.8b,4.5b
MOS VII 29 07 27 36.6–.77 39.24N 140.49E 33 4.6b,4.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s328.00000°,δ62.00000°,λ73.00000°. NP2:ϕ_s182.00000°,δ32.00000°,λ119.00000°. $M_0$1.09000×10^{15}
IDC Error ellipse: s-maj=20.0km s-min=12.9km az=122.0.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.7km az=141.1.
NEIC Event type fe. Recorded [2 JMA] in Akita, Iwate and Miyagi. After JMA. Moment Tensor Solution. $M_0$1.10000×10^{15}
MOS Error ellipse: s-maj=10.0km s-min=6.5km az=90.6.
JMA VII 29 07 34 24.5 39.06N 140.85E 10–1 0.7 ¶14772270
ISC VII 29 07 35 53.8–.52 39.09N–.02 140.69E–.02 6–3 4.7b,3.5s 481 0-146
NIED VII 29 07 35 00 39.10N 140.90E 5 4.4W,3.5s **¶14772277**
BJI VII 29 07 35 50.1 38.92N 140.95E 9 4.9b,4.7b
ISCJB VII 29 07 35 51.6–.61 39.16N–.03 140.66E–.02 1–3 4.8b,3.5s
IDC VII 29 07 35 52.1–.64 39.10N 140.82E 0 4.5,4.4
NEIC VII 29 07 35 53.1 39.06N 140.86E 10 4.8b,4.4W
JMA VII 29 07 35 53.0 39.06N 140.86E 10–1 4.6,4.4W
MOS VII 29 07 35 56.5–.83 39.25N 140.62E 33 5.0b,4.4W
SZGRF VII 29 07 36 06.3 40.89N 140.49E 33 4.7b,4.4W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s328.00000°,δ63.00000°,λ87.00000°. NP2:ϕ_s153.00000°,δ27.00000°,λ95.00000°. $M_0$4.41000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.0km az=158.8.
IDC Error ellipse: s-maj=17.3km s-min=11.9km az=124.0.
NEIC Event type fe. Recorded [3 JMA] in Akita and Iwate; [2 JMA] in Miyagi; [1 JMA] in Yamagata. After JMA. Moment Tensor Solution. $M_0$4.40000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s25.00000°,δ46.00000°,λ30.00000°. NP2:ϕ_s273.00000°,δ69.00000°,λ132.00000°. Principal axes: T Plg48.0000°,Azm228.0000°; N Plg39.0000°,Azm75.0000°; P Plg14.0000° ,Azm334.0000°
MOS Error ellipse: s-maj=7.9km s-min=5.1km az=98.7.
SZGRF Eastern Honshu, Japan.
JMA VII 29 07 36 26.9 39.06N 140.85E 9–1 3.5 ¶14991743
ISC VII 29 23 15 53.3–.45 39.05N–.02 140.88E–.04 9–3 3.7b 40 0-74
NIED VII 29 23 15 00 39.10N 140.90E 5 3.6W **¶11747204**
ISCJB VII 29 23 15 52.8–.44 39.06N–.03 140.87E–.04 19–4 3.7b
IDC VII 29 23 15 52.2–.98 39.11N 140.79E 0 3.7,3.6b
JMA VII 29 23 15 53.2 39.05N 140.87E 9–1 3.5,3.6b
NEIC VII 29 23 15 55.2–2.3 39.10N 140.81E 21–16 4.1b,3.6b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s117.00000°,δ61.00000°,λ141.00000°. NP2:ϕ_s228.00000°,δ56.00000°,λ35.00000°. $M_0$2.52000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.3km az=18.0.
IDC Error ellipse: s-maj=27.1km s-min=13.7km az=120.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s65.00000°,δ36.00000°,λ55.00000°. NP2:ϕ_s285.00000°,δ61.00000°,λ113.00000°. Principal axes: T Plg66.0000°,Azm237.0000°; N Plg20.0000°,Azm94.0000°; P Plg13.0000° ,Azm359.0000°
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.0km az=103.0.
ISC VII 30 01 15 01.7–.42 38.83N–.03 140.84E–.04 9–4 3.7b 39 0-79
NIED VII 30 01 15 00 38.80N 140.80E 5 3.5W **¶13390400**
ISCJB VII 30 01 15 01.7–.41 38.83N–.03 140.85E–.04 20–4 3.7b
JMA VII 30 01 15 02.0 38.83N 140.83E 5–1 3.6
IDC VII 30 01 15 02.4–2.2 39.35N 140.86E 0 3.7,3.6b
NEIC VII 30 01 15 02.0 38.83N 140.83E 5 4.2b,3.6b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ70.00000°,λ55.00000°. NP2:ϕ_s275.00000°,δ39.00000°,λ148.00000°. $M_0$1.78000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.4km az=35.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s266.00000°,δ41.00000°,λ142.00000°. NP2:ϕ_s27.00000°,δ66.00000°,λ55.00000°. Principal axes: T Plg55.0000°,Azm252.0000°; N Plg31.0000°,Azm42.0000°; P Plg14.0000° ,Azm141.0000°
IDC Error ellipse: s-maj=50.1km s-min=27.4km az=141.0.
NEIC Event type se. After JMA.
ISC VIII 01 12 02 41.5–.69 36.04N–.04 139.86E–.06 41–15 21 0-2
NIED VIII 01 12 02 00 36.10N 139.80E 53 3.5W **¶11747239**
ISCJB VIII 01 12 02 41.0–.76 36.04N–.04 139.87E–.06 46–12 3.5W
JMA VIII 01 12 02 41.3–.10 36.08N 139.85E 46–1 3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ84.00000°,λ107.00000°. NP2:ϕ_s174.00000°,δ18.00000°,λ19.00000°. $M_0$1.91000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.4km az=21.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s218.00000°,δ18.00000°,λ85.00000°. NP2: ϕ_s43.00000°,δ72.00000°,λ92.00000°. Principal axes: T Plg63.0000°,Azm316.0000° ; N Plg2.0000°,Azm223.0000°; P Plg27.0000°,Azm132.0000°
ISC VIII 04 10 08 31.7–.45 38.87N–.02 140.88E–.03 4–5 3.6b 25 0-74
NIED VIII 04 10 08 00 38.90N 140.90E 5 3.6W **¶11747271**
IDC VIII 04 10 08 31.0–1.3 38.76N 141.16E 0 3.8,3.7
ISCJB VIII 04 10 08 31.2–.58 38.87N–.03 140.89E–.04 12–4 3.6b,3.7
JMA VIII 04 10 08 31.7 38.88N 140.87E 6–1 3.5,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ48.00000°,λ68.00000°. NP2:ϕ_s225.00000°,δ46.00000°,λ112.00000°. $M_0$2.79000×10^{14}
IDC Error ellipse: s-maj=48.4km s-min=22.3km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.1km az=32.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s345.00000°,δ45.00000°,λ23.00000°. NP2:ϕ_s238.00000°,δ74.00000°,λ133.00000°. Principal axes: T Plg44.0000°,Azm190.0000°; N Plg41.0000°,Azm44.0000°; P Plg18.0000° ,Azm298.0000°
ISC VIII 06 13 16 41.8–.37 39.18N–.02 140.84E–.04 10 3.6b 33 0-74

NIED VIII 06 13 16 00 39.20N 140.80E 5 3.8W ¶11747304
ISCJB VIII 06 13 16 41.0–.36 39.18N–.02 140.85E–.04 10 3.6b
IDC VIII 06 13 16 41.8–1.0 39.23N 140.45E 0 3.9L,3.7
JMA VIII 06 13 16 41.3 39.18N 140.83E 8–1 4.0,3.7
NEIC VIII 06 13 16 43.1–.69 39.21N 140.52E 10 4.0b,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ77.00000°,λ-159.00000°. NP2:ϕ_s126.00000°,δ70.00000°,λ-14.00000°. $M_0$6.16000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=7.5.
IDC Error ellipse: s-maj=28.1km s-min=22.0km az=87.0.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=11.3km az=128.0.
ISC VIII 20 06 13 29.4–.32 36.07N–.03 139.77E–.03 46–3 4.6b,4.0s 384 0-156
NIED VIII 20 06 13 00 36.10N 139.90E 50 4.4W,4.0s ¶13392177
BJI VIII 20 06 13 23.0 36.94N 140.27E 12 4.8b,4.6b
MOS VIII 20 06 13 24.9–1.2 36.00N 139.86E 33 4.9b,4.6b
ISCJB VIII 20 06 13 28.7–.32 36.12N–.03 139.74E–.03 52–2 4.6b,4.0s
IDC VIII 20 06 13 29.2–1.4 35.97N 139.77E 55–13 4.3,4.3
JMA VIII 20 06 13 29.0–.10 36.06N 139.90E 45–2 4.6,4.3
NEIC VIII 20 06 13 29.2–1.0 36.07N 139.74E 52–8 4.6b,4.4W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s49.00000°,δ71.00000°,λ84.00000°. NP2:ϕ_s247.00000°,δ20.00000°,λ107.00000°. $M_0$5.11000×10^{15}
MOS Error ellipse: s-maj=9.2km s-min=5.9km az=104.6.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=175.2.
IDC Error ellipse: s-maj=14.4km s-min=8.6km az=75.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s244.00000°,δ20.00000°,λ106.00000°. NP2:ϕ_s47.00000°,δ70.00000°,λ84.00000°. Principal axes: T Plg64.0000°,Azm308.0000° ; N Plg6.0000°,Azm49.0000°; P Plg25.0000°,Azm142.0000°
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=6.7km az=162.0. Recorded [4 JMA] in Ibaraki; [3 JMA] in Chiba, Saitama, Tochigi and Tokyo; [2 JMA] in Fukushima, Gumma and Kanagawa; [1 JMA] in Miyagi, Nagano, Shizuoka and Yamanashi. Also recorded [1 JMA] on Kozu-shima, Nii-jima, O-shima, Shikine-jima and To-shima. Moment Tensor Solution. $M_0$5.10000×10^{15}
ISC VIII 20 18 27 44.0–.37 39.39N–.03 140.94E–.07 103–3 3.5b 42 0-74
ISCJB VIII 20 18 27 42.8–.37 39.39N–.03 140.94E–.07 109–3 3.5b ¶11908503
JMA VIII 20 18 27 43.8–.10 39.39N 140.91E 103–1 3.4
NEIC VIII 20 18 27 43.9 39.39N 140.91E 102 3.4
IDC VIII 20 18 27 43.9–1.6 39.39N 140.85E 104–15 3.5,3.4
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=4.3km az=23.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=21.2km s-min=11.8km az=105.0.
ISC VIII 22 05 45 16.2–.56 39.13N–.03 140.95E–.04 4–7 3.3b 16 0-48
ISCJB VIII 22 05 45 15.5–.55 39.14N–.03 140.94E–.04 12–5 3.3b ¶13522815
JMA VIII 22 05 45 15.8 39.13N 140.93E 9–1 3.2
IDC VIII 22 05 45 15.9–2.2 39.27N 140.88E 0 3.5,3.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.4km az=137.5.
JMA Event type fe.
IDC Error ellipse: s-maj=58.2km s-min=28.0km az=143.0.
ISC VIII 22 06 02 40.0–.47 39.12N–.03 140.93E–.04 7–3 4.4b,3.3s 88 0-146
NIED VIII 22 06 02 00 39.10N 140.90E 5 4.0W,3.3s ¶11184391
ISCJB VIII 22 06 02 39.4–.56 39.15N–.03 140.95E–.04 14–3 4.4b,3.3s
JMA VIII 22 06 02 39.7 39.13N 140.93E 10–1 4.1,3.3s
NEIC VIII 22 06 02 39.7 39.14N 140.93E 10 4.5b,4.0W
BJI VIII 22 06 02 41.7 39.11N 140.43E 8 4.9b,4.7b
MOS VIII 22 06 02 42.1–1.2 39.13N 140.88E 33 4.6b,4.7b
IDC VIII 22 06 02 46.0–3.1 39.10N 140.81E 56–29 4.0,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ55.00000°,λ88.00000°. NP2:ϕ_s201.00000°,δ35.00000°,λ93.00000°. $M_0$1.32000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.2km az=179.2.
JMA Event type fe.
NEIC Event type fe. Recorded [2 JMA] in Akita, Iwate and Miyagi. After JMA. Moment Tensor Solution. $M_0$1.30000×10^{15}
MOS Error ellipse: s-maj=13.1km s-min=7.9km az=83.4.
IDC Error ellipse: s-maj=17.8km s-min=16.3km az=101.0.
ISC VIII 23 19 22 09.5–.47 38.99N–.03 140.89E–.04 10 3.7b 22 0-63
NIED VIII 23 19 22 00 39.00N 140.90E 5 3.5W ¶11747485
ISCJB VIII 23 19 22 09.1–.46 38.99N–.03 140.92E–.04 10 3.7b
JMA VIII 23 19 22 09.4 38.99N 140.88E 5–1 3.5
IDC VIII 23 19 22 11.0–2.7 38.68N 141.08E 0 3.8,3.6b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ47.00000°,λ80.00000°. NP2:ϕ_s48.00000°,δ44.00000°,λ100.00000°. $M_0$1.82000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.8km az=35.4.
JMA Event type fe.
IDC Error ellipse: s-maj=54.5km s-min=25.6km az=155.0.
ISC VIII 25 08 53 07.2–.16 36.37N–.03 137.99E–.03 186–1 4.4b 327 0-93
BJI VIII 25 08 52 58.8 36.11N 138.73E 188 4.9b,4.6b ¶13392549
NIED VIII 25 08 53 00 36.40N 138.20E 200 4.4W,4.6b
MOS VIII 25 08 53 05.0–.99 36.49N 138.07E 190 4.4b,4.6b
IDC VIII 25 08 53 06.2–.29 36.36N 138.01E 184–2 4.0,3.9
JMA VIII 25 08 53 06.7–.10 36.35N 138.18E 191–1 4.3,3.9
ISCJB VIII 25 08 53 06.2–.16 36.37N–.03 137.95E–.03 190–1 4.4b,3.9
NEIC VIII 25 08 53 06.5–.50 36.39N 138.03E 188–4 4.6b,4.4W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s5.00000°,δ84.00000°,λ-39.00000°. NP2:ϕ_s100.00000°,δ51.00000°,λ-173.00000°. $M_0$4.40000×10^{15}
MOS Error ellipse: s-maj=13.2km s-min=8.4km az=103.5.
IDC Error ellipse: s-maj=10.8km s-min=8.0km az=78.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s99.00000°,δ47.00000°,λ-172.00000°. NP2:ϕ_s3.00000°,δ84.00000°,λ-44.00000°. Principal axes: T Plg24.0000°,Azm59.0000° ; N Plg46.0000°,Azm177.0000°; P Plg34.0000°,Azm311.0000°
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.7km az=164.1.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=8.2km az=135.0. Moment Tensor Solution. $M_0$4.40000×10^{15}
ISC VIII 25 10 35 00.3–.56 39.14N–.03 140.94E–.04 1–6 3.6b 22 0-59
IDC VIII 25 10 34 55.5–1.8 39.11N 141.61E 0 3.4b,3.4 ¶11908749
ISCJB VIII 25 10 34 59.8–.54 39.14N–.03 140.95E–.04 8–5 3.6b,3.4
NEIC VIII 25 10 35 00.0 39.15N 140.93E 10 3.2,3.4
JMA VIII 25 10 35 00.0 39.15N 140.93E 10–1 3.2,3.4
ISC Event type fe.
IDC Error ellipse: s-maj=38.5km s-min=23.3km az=97.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.7km az=175.9.
NEIC Event type se. After JMA.
JMA Event type fe.
ISC VIII 25 11 57 43.7–.49 39.14N–.03 140.95E–.04 7–4 3.8b 30 0-146
NIED VIII 25 11 57 00 39.10N 140.90E 5 3.9W ¶11747501
ISCJB VIII 25 11 57 43.5–1.8 39.16N–.03 140.95E–.04 15–13 3.8b
NEIC VIII 25 11 57 43.4 39.15N 140.93E 10 3.9
JMA VIII 25 11 57 43.4 39.15N 140.93E 10–1 3.9
IDC VIII 25 11 57 49.0–2.3 39.12N 140.80E 50–22 3.8,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s209.00000°,δ52.00000°,λ98.00000°. NP2:ϕ_s16.00000°,δ38.00000°,λ80.00000°. $M_0$8.21000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.8km az=3.4.
NEIC Event type se. After JMA.
JMA Event type fe.
IDC Error ellipse: s-maj=21.0km s-min=16.2km az=109.0.
ISC VIII 28 11 58 53.0–.57 39.06N–.03 140.95E–.05 2–5 3.3b 23 0-63
IDC VIII 28 11 58 51.8–1.2 39.02N 140.96E 0 3.5,3.4 ¶11909003
ISCJB VIII 28 11 58 52.4–.60 39.07N–.03 140.97E–.05 13–4 3.3b,3.4
NEIC VIII 28 11 58 52.7 39.04N 140.90E 7 3.2,3.4
JMA VIII 28 11 58 52.6 39.04N 140.90E 7–1 3.2,3.4
ISC Event type fe.
IDC Error ellipse: s-maj=32.2km s-min=22.4km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.9km az=177.8.
NEIC Event type se. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s283.00000°,δ45.00000°,λ121.00000°. NP2:ϕ_s62.00000°,δ53.00000°,λ62.00000°. Principal axes: T Plg68.0000°,Azm271.0000°; N Plg22.0000°,Azm79.0000°; P Plg4.0000° ,Azm171.0000°
ISC VIII 30 20 15 43.0–.20 36.22N–.03 138.68E–.03 134–1 4.3b 408 0-149
BJI VIII 30 20 15 39.1 36.10N 138.96E 131 4.7b,4.5b ¶13392999
ISCJB VIII 30 20 15 41.9–.21 36.21N–.03 138.65E–.03 137–1 4.3b,4.5b
NEIC VIII 30 20 15 42.2–.45 36.28N 138.74E 132–3 4.5b,4.3W
IDC VIII 30 20 15 42.4–.37 36.20N 138.75E 134–2 4.2,4.2
MOS VIII 30 20 15 42.0–.72 36.51N 138.70E 131 4.4b,4.2
JMA VIII 30 20 15 43.1–.10 36.22N 138.90E 133–1 4.0,4.2
NIED VIII 30 20 16 00 36.20N 138.90E 140 4.3W,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.8km az=25.7.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.4km az=145.0. Recorded [1 JMA] in Gumma, Ibaraki, Saitama and Tochigi. Moment Tensor Solution. $M_0$3.20000×10^{15}
IDC Error ellipse: s-maj=11.4km s-min=7.7km az=78.0.
MOS Error ellipse: s-maj=9.5km s-min=5.4km az=101.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s233.00000°,δ33.00000°,λ-116.00000°. NP2:ϕ_s84.00000°,δ60.00000°,λ-74.00000°. Principal axes: T Plg14.0000°,Azm162.0000° ; N Plg14.0000°,Azm256.0000°; P Plg70.0000°,Azm28.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s92.00000°,δ55.00000°,λ-68.00000°. NP2:ϕ_s237.00000°,δ40.00000°,λ-119.00000°. $M_0$3.22000×10^{15}
ISC IX 02 09 35 12.0–.56 39.14N–.03 140.87E–.04 3–4 3.8b 43 0-146
ISCJB IX 02 09 35 11.4–.50 39.15N–.03 140.87E–.04 10–3 3.8b ¶15247931
JMA IX 02 09 35 11.5 39.17N 140.86E 8–1 3.9
ISCJB Error ellipse: s-maj=5.4km s-min=4.6km az=31.8.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s119.00000° ,δ43.00000°,λ-12.00000°. NP2:ϕ_s218.00000°,δ82.00000°,λ-132.00000°. Principal axes: T Plg25.0000°,Azm339.0000°; N Plg41.0000°,Azm225.0000°; P Plg38.0000°,Azm91.0000°
ISC IX 02 09 35 20.9–.70 39.15N–.03 140.85E–.04 4–5 4.2b,3.7s 33 0-77
NIED IX 02 09 35 00 39.20N 140.90E 5 4.2W,3.7s ¶11747576
MOS IX 02 09 35 14.3–.81 39.13N 140.81E 33 4.8b,3.7s
NEIC IX 02 09 35 15.7–.38 39.07N 140.83E 31 4.2b,3.7s
IDC IX 02 09 35 15.8–.72 39.12N 140.80E 30–4 3.8,3.7
ISCJB IX 02 09 35 20.1–.68 39.17N–.03 140.86E–.05 10–4 4.2b,3.7s
JMA IX 02 09 35 20.6 39.17N 140.85E 6–1 4.4,3.7s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ82.00000°,λ168.00000°. NP2:ϕ_s124.00000°,δ78.00000°,λ8.00000°. $M_0$2.61000×10^{15}
MOS Error ellipse: s-maj=15.2km s-min=8.4km az=75.6.
NEIC Event type fe. Error ellipse: s-maj=10.4km s-min=5.9km az=129.0. Recorded [2 JMA] in Akita and Iwate; [1 JMA] in Miyagi.
IDC Error ellipse: s-maj=16.4km s-min=14.0km az=158.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=175.4.
JMA Event type fe.
ISC IX 06 23 58 55.1–.57 39.05N–.03 140.87E–.04 5–5 3.7b 20 0-67
IDC IX 06 23 58 53.2–1.3 39.00N 141.11E 0 3.7b,3.7 ¶14097573
ISCJB IX 06 23 58 54.4–.62 39.06N–.03 140.88E–.04 12–5 3.7b,3.7
JMA IX 06 23 58 54.9 39.06N 140.86E 7–1 3.4,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=35.7km s-min=16.7km az=116.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=5.1km az=31.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s268.00000°,δ43.00000°,λ123.00000°. NP2:ϕ_s46.00000°,δ56.00000°,λ63.00000°. Principal axes: T Plg67.0000°,Azm261.0000°; N Plg22.0000°,Azm62.0000°; P Plg7.0000° ,Azm155.0000°
ISC IX 10 23 38 52.0–.49 37.71N–.04 139.58E–.06 174–3 3.3b 41 0-58
IDC IX 10 23 38 25.8–2.6 38.44N 141.50E 0 3.5b,3.5 ¶11910012
NEIC IX 10 23 38 30.1–1.1 38.61N 141.80E 38–12 3.9b,3.5
ISCJB IX 10 23 38 50.9–.49 37.71N–.04 139.57E–.06 178–3 3.3b,3.5
JMA IX 10 23 38 52.4–.20 37.71N 139.56E 172–2 2.9,3.5
ISC Event type se.
IDC Error ellipse: s-maj=65.0km s-min=27.3km az=70.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.8km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.4km az=20.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IX 13 09 06 42.3–.49 37.26N–.03 139.03E–.05 17–4 3.2b 19 0-57
IDC IX 13 09 06 38.8–1.6 37.43N 139.13E 0 3.5,3.4L ¶11277499
ISCJB IX 13 09 06 42.3–.52 37.26N–.03 139.02E–.05 17–6 3.2b,3.4L
JMA IX 13 09 06 42.9 37.26N 139.02E 9–1 3.1,3.4L
ISC Event type fe.
IDC Error ellipse: s-maj=32.2km s-min=20.1km az=127.0.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.4km az=12.3.
JMA Event type fe.
ISC IX 13 20 37 05.5–.54 36.28N–.05 137.10E–.08 265–3 3.0b 40 0-93
IDC IX 13 20 37 03.4–1.4 36.45N 136.41E 254–15 3.6,3.4 ¶11910204
NEIC IX 13 20 37 03.8–.88 36.49N 136.54E 258–9 3.7b,3.4
ISCJB IX 13 20 37 04.6–.54 36.29N–.05 137.10E–.08 271–3 3.0b,3.4
JMA IX 13 20 37 05.3–.10 36.28N 137.12E 268–1 3.3,3.4
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=16.2km az=96.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=16.2km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=7.3km az=31.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 14 10 10 20.7–.49 39.06N–.03 140.88E–.04 5–5 3.3b 23 0-59
IDC IX 14 10 10 18.5–1.2 39.03N 141.04E 0 3.5,3.4 ¶11910248
ISCJB IX 14 10 10 20.0–.56 39.07N–.03 140.89E–.04 12–4 3.3b,3.4
JMA IX 14 10 10 20.5 39.05N 140.85E 6–1 3.4,3.4
ISC Event type fe.
IDC Error ellipse: s-maj=33.8km s-min=15.7km az=124.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.8km az=141.7.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s150.00000°,δ32.00000°,λ76.00000°. NP2:ϕ_s346.00000°,δ59.00000°,λ98.00000°. Principal axes: T Plg74.0000°,Azm278.0000°; N Plg7.0000°,Azm162.0000°; P Plg14.0000° ,Azm70.0000°
ISC IX 14 16 05 50.4–.45 38.90N–.03 140.94E–.04 8–3 3.9b 39 0-146
NIED IX 14 16 05 00 38.90N 141.00E 8 3.7W ¶11277540
ISCJB IX 14 16 05 50.1–.42 38.90N–.03 140.98E–.04 20–4 3.9b
JMA IX 14 16 05 50.4 38.90N 140.94E 8–1 3.9
IDC IX 14 16 05 55.9–2.2 38.89N 140.87E 55–20 3.8,3.6b
NEIC IX 14 16 05 55.2–.70 38.90N 140.79E 49–7 4.3b,3.6b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s255.00000°,δ47.00000°,λ89.00000°. NP2:ϕ_s76.00000°,δ43.00000°,λ91.00000°. $M_0$4.10000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.0km az=44.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s267.00000°,δ38.00000°,λ120.00000°. NP2:ϕ_s51.00000°,δ58.00000°,λ68.00000°. Principal axes: T Plg69.0000°,Azm274.0000°; N Plg18.0000°,Azm63.0000°; P Plg10.0000° ,Azm156.0000°
IDC Error ellipse: s-maj=20.4km s-min=12.3km az=114.0.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=6.4km az=119.0. Recorded [3 JMA] in Miyagi and [2 JMA] in Iwate.
ISC IX 21 09 11 31.9–.51 38.79N–.03 140.79E–.04 6–7 3.5b 22 0-62
IDC IX 21 09 11 30.5–3.9 38.68N 141.10E 0 3.5,3.4b ¶11910757
ISCJB IX 21 09 11 31.7–.74 38.79N–.04 140.81E–.04 14–7 3.5b,3.4b
JMA IX 21 09 11 32.0 38.80N 140.78E 3–1 3.1,3.4b
ISC Event type fe.
IDC Error ellipse: s-maj=75.7km s-min=36.3km az=174.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.2km az=149.5.
JMA Event type fe.
JMA IX 23 23 42 32.4 39.17N 140.83E 8–1 2.4 ¶11284495
ISC IX 23 23 43 48.6–.23 39.01N–.02 141.64E–.04 69 4.5b 222 0-146
NIED IX 23 23 43 00 39.00N 141.60E 74 4.3W ¶15025724
BJI IX 23 23 43 41.8 38.72N 142.13E 71 5.0b,4.8b
MOS IX 23 23 43 45.2–.94 38.98N 141.48E 53 4.7b,4.8b
ISCJB IX 23 23 43 47.2–.24 39.10N–.03 141.58E–.04 67 4.5b,4.8b

JMA IX 23 23 43 48.8 38.97N 141.66E 73–1 4.3,4.8b
IDC IX 23 23 43 48.7–.44 38.97N 141.50E 72–3 4.3,4.2
NEIC IX 23 23 43 49.0–.20 39.04N 141.54E 72 4.7b,4.3W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ66.00000°,λ87.00000°. NP2:ϕ_s36.00000°,δ25.00000°,λ96.00000°. $M_0$3.62000×10^{15}
MOS Error ellipse: s-maj=9.1km s-min=6.4km az=111.6.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=2.9km az=36.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s37.00000°,δ20.00000°,λ106.00000°. NP2:ϕ_s200.00000°,δ70.00000°,λ84.00000°. Principal axes: T Plg64.0000°,Azm101.0000°; N Plg6.0000°,Azm202.0000°; P Plg25.0000° ,Azm295.0000°
IDC Error ellipse: s-maj=12.2km s-min=10.5km az=131.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.6km az=147.0. Recorded [3 JMA] in Iwate and Miyagi; [2 JMA] in Akita; [1 JMA] in Fukushima and Yamagata. Moment Tensor Solution. $M_0$3.60000×10^{15}

ISC IX 25 06 04 57.4–.44 38.86N–.02 140.85E–.03 7–3 4.2b 82 0-146
NIED IX 25 06 04 00 38.90N 140.90E 5 4.2W **¶13395145**
IDC IX 25 06 04 55.8–.48 38.88N 140.76E 0 4.4,4.3
BJI IX 25 06 04 55.9 38.27N 140.92E 35 4.7b,4.4b
ISCJB IX 25 06 04 57.3–.41 38.87N–.03 140.88E–.04 20–3 4.2b,4.4b
NEIC IX 25 06 04 57.6 38.88N 140.86E 6 4.2,4.4b
JMA IX 25 06 04 57.6 38.87N 140.86E 6–1 4.1,4.4b
MOS IX 25 06 04 59.5–1.2 38.85N 140.75E 33 4.3b,4.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ56.00000°,λ80.00000°. NP2: ϕ_s205.00000°,δ36.00000°,λ105.00000°. $M_0$2.15000×10^{15}
IDC Error ellipse: s-maj=15.9km s-min=10.4km az=112.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.8km az=35.9.
NEIC Event type fe. Recorded [3 JMA] in Iwate and Miyagi; [1 JMA] in Akita and Yamagata. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s218.00000°,δ39.00000°,λ114.00000°. NP2:ϕ_s8.00000°,δ55.00000°,λ72.00000°. Principal axes: T Plg73.0000°,Azm228.0000°; N Plg15.0000°,Azm19.0000°; P Plg8.0000° ,Azm111.0000°
MOS Error ellipse: s-maj=13.3km s-min=8.8km az=79.2.

ISC IX 25 14 26 23.1–.82 35.9N–.10 137.4E–.10 243–6 3.1b 23 0-59
ISCJB IX 25 14 26 22.1–.81 35.9N–.10 137.5E–.10 248–6 3.1b **¶11911014**
IDC IX 25 14 26 23.2–1.9 35.38N 137.34E 214–45 3.1,2.9b
JMA IX 25 14 26 23.0–.20 35.88N 137.49E 243–2 2.6,2.9b
ISCJB Error ellipse: s-maj=21.8km s-min=10.3km az=148.2.
IDC Error ellipse: s-maj=113.8km s-min=21.5km az=65.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.

ISC IX 28 02 20 44.7–.53 39.18N–.03 140.92E–.03 1–5 3.6b 26 0-74
NIED IX 28 02 20 00 39.20N 140.90E 5 3.6W **¶11747895**
ISCJB IX 28 02 20 44.2–.48 39.18N–.03 140.92E–.04 9–4 3.6b
IDC IX 28 02 20 44.0–1.0 39.05N 141.10E 0 3.9,3.6
JMA IX 28 02 20 44.3 39.19N 140.91E 8–1 3.5,3.6
NEIC IX 28 02 20 46.0–.89 39.04N 141.21E 10 3.5,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s185.00000°,δ50.00000°,λ84.00000°. NP2:ϕ_s14.00000°,δ40.00000°,λ97.00000°. $M_0$2.60000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=4.4km az=40.8.
IDC Error ellipse: s-maj=43.3km s-min=17.6km az=125.0.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=73.8km s-min=9.6km az=129.0.

ISC X 04 11 34 25.1–.35 36.30N–.05 137.16E–.06 264–2 3.5b 63 0-93
IDC X 04 11 34 23.4–2.3 36.27N 137.15E 247–23 3.6,3.5 **¶12065895**
ISCJB X 04 11 34 24.1–.35 36.32N–.05 137.17E–.06 269–2 3.5b,3.5
JMA X 04 11 34 24.8–.10 36.28N 137.18E 268–1 3.4,3.5
NEIC X 04 11 34 24.8 36.28N 137.18E 268 3.4,3.5
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=12.5km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.1km az=135.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.

ISC X 07 06 22 32.0–.62 39.53N–.04 141.40E–.08 123–4 3.6b 37 0-45
IDC X 07 06 22 25.5–10 40.26N 140.64E 0 3.7b,3.7 **¶12066250**
ISCJB X 07 06 22 31.1–.60 39.53N–.04 141.39E–.08 127–4 3.6b,3.7
NEIC X 07 06 22 32.9 39.51N 141.32E 119 3.6,3.7
JMA X 07 06 22 32.8–.10 39.51N 141.32E 119–1 3.6,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=227.0km s-min=39.2km az=88.0.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=4.5km az=22.2.
NEIC Event type se. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC X 08 09 07 21.8–.54 39.06N–.03 140.95E–.04 3–5 3.6b 29 0-63
NIED X 08 09 07 00 39.10N 140.90E 5 3.8W **¶14109007**
IDC X 08 09 07 17.3–2.5 39.17N 141.43E 0 3.9,3.7b
ISCJB X 08 09 07 21.1–.51 39.08N–.03 140.94E–.04 12–5 3.6b,3.7b
NEIC X 08 09 07 21.6 39.07N 140.92E 8 3.5,3.7b
JMA X 08 09 07 21.5 39.07N 140.92E 8–1 3.5,3.7b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ48.00000°,λ80.00000°. NP2:ϕ_s48.00000°,δ43.00000°,λ101.00000°. $M_0$5.97000×10^{14}
IDC Error ellipse: s-maj=55.0km s-min=30.0km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=5.0km az=35.7.
NEIC Event type se. After JMA.
JMA Event type fe.

ISC X 09 15 28 35.3–.51 39.05N–.03 140.92E–.04 10–5 3.4b 19 0-63
IDC X 09 15 28 31.0–1.3 39.23N 141.62E 0 3.5,3.4 **¶12066439**
ISCJB X 09 15 28 34.9–.51 39.06N–.03 140.93E–.05 20–6 3.4b,3.4
JMA X 09 15 28 35.3 39.05N 140.91E 8–1 3.3,3.4
ISC Event type fe.
IDC Error ellipse: s-maj=37.9km s-min=25.3km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=5.5km az=167.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s18.00000°,δ38.00000°,λ99.00000°. NP2:ϕ_s187.00000°,δ52.00000°,λ83.00000°. Principal axes: T Plg81.0000°,Azm66.0000°; N Plg5.0000°,Azm191.0000°; P Plg7.0000° ,Azm282.0000°

ISC X 10 19 55 18.2–.51 38.87N–.03 140.87E–.04 5–6 3.8b 22 0-63
ISCJB X 10 19 55 17.9–.62 38.88N–.04 140.89E–.04 13–5 3.8b **¶12066532**
JMA X 10 19 55 18.3 38.88N 140.87E 5–1 3.3
IDC X 10 19 55 23.3–7.3 37.79N 141.48E 0 3.9,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.7km az=158.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s348.00000°,δ44.00000°,λ30.00000°. NP2:ϕ_s235.00000°,δ69.00000°,λ130.00000°. Principal axes: T Plg49.0000°,Azm189.0000°; N Plg37.0000°,Azm39.0000°; P Plg15.0000° ,Azm297.0000°
IDC Error ellipse: s-maj=163.2km s-min=22.2km az=171.0.

ISC X 19 20 56 05.6–.89 35.9N–.10 137.7E–.10 243–7 3.1b 22 1-56
ISCJB X 19 20 56 04.7–.90 35.8N–.10 137.7E–.10 248–7 3.1b **¶12069078**
IDC X 19 20 56 04.2–2.7 35.84N 139.41E 242–15 3.0,2.9b
JMA X 19 20 56 05.6–.10 35.86N 137.69E 243–2 2.5,2.9b
ISCJB Error ellipse: s-maj=18.5km s-min=13.4km az=143.1.
IDC Error ellipse: s-maj=84.2km s-min=26.2km az=56.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA X 23 07 00 02.6 35.37N 138.97E 17–1 3.0
¶14114240
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s167.00000°,δ56.00000°,λ29.00000°. NP2:ϕ_s59.00000°,δ67.00000°,λ142.00000°. Principal axes: T Plg43.0000°,Azm19.0000°; N Plg46.0000°,Azm212.0000°; P Plg7.0000° ,Azm115.0000°

JMA X 25 15 29 44.1 38.78N 140.79E 3–1
¶13398041

JMA X 25 15 29 49.4 38.78N 140.78E 3–1
¶15148023

ISC X 25 15 29 51.7–.45 38.74N–.02 140.77E–.03 8–3 4.4b,3.7s 182 0-146
NIED X 25 15 29 00 38.80N 140.80E 5 4.2W,3.7s **¶15148025**
IDC X 25 15 29 49.9–.54 38.68N 140.78E 0 4.4,4.3
ISCJB X 25 15 29 50.9–.55 38.76N–.02 140.78E–.03 13–3 4.4b,3.7s
JMA X 25 15 29 51.4 38.77N 140.78E 3–1 4.3,3.7s
BJI X 25 15 29 52.7 38.69N 140.71E 32 4.8b,4.6b
NEIC X 25 15 29 53.3–1.8 38.71N 140.69E 21–13 4.6b,4.2W
MOS X 25 15 29 53.3–1.1 38.66N 140.76E 33 4.8b,4.2W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ56.00000°,λ93.00000°. NP2:ϕ_s348.00000°,δ34.00000°,λ85.00000°. $M_0$2.30000×10^{15}
IDC Error ellipse: s-maj=16.1km s-min=12.2km az=127.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.1km az=40.3.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.4km az=128.0. Recorded [3 JMA] in Miyagi and [2 JMA] in Iwate and Yamagata. Moment Tensor Solution. $M_0$2.30000×10^{15}
MOS Error ellipse: s-maj=10.6km s-min=6.2km az=85.2.

ISC X 25 15 32 34.4–.48 38.76N–.03 140.81E–.03 3–5 3.6b 25 0-62
IDC X 25 15 32 32.9–1.2 38.73N 141.15E 0 3.8,3.7b **¶14114894**
ISCJB X 25 15 32 34.0–.52 38.77N–.03 140.82E–.04 11–4 3.6b,3.7b
JMA X 25 15 32 34.2 38.77N 140.79E 3–1 3.4,3.7b
ISC Event type fe.
IDC Error ellipse: s-maj=31.3km s-min=23.0km az=117.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.3km az=135.3.
JMA Event type fe.

ISC X 27 17 41 28.5–.55 39.08N–.03 140.98E–.04 7–7 3.5b 17 0-63
ISCJB X 27 17 41 27.9–.56 39.09N–.04 140.98E–.05 12–5 3.5b **¶12071257**
IDC X 27 17 41 28.3–1.9 38.77N 141.95E 0 3.4,3.3b
JMA X 27 17 41 28.4 39.09N 140.98E 7 3.0,3.3b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=5.6km az=137.7.
IDC Error ellipse: s-maj=55.9km s-min=31.2km az=115.0.
JMA Event type fe.

ISC X 27 20 22 03.8–.56 35.26N–.05 138.9E–.10 189–4 3.5b 27 0-59
ISCJB X 27 20 22 02.7–.56 35.25N–.05 138.9E–.10 193–4 3.3b **¶12071274**
IDC X 27 20 22 03.2–1.0 35.26N 139.03E 186–11 3.4,3.3
JMA X 27 20 22 04.4–.20 35.22N 138.91E 185–2 2.9,3.3
ISCJB Error ellipse: s-maj=14.0km s-min=7.0km az=162.9.
IDC Error ellipse: s-maj=44.7km s-min=13.8km az=71.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.

ISC X 27 22 53 13.3–.46 39.10N–.03 140.86E–.04 13–4 3.3b 27 0-59
NIED X 27 22 53 00 39.10N 140.90E 5 3.6W **¶14115813**
IDC X 27 22 53 09.3–2.9 39.36N 141.33E 0 3.5,3.4b
ISCJB X 27 22 53 12.9–.45 39.11N–.03 140.86E–.05 23–5 3.3b,3.4b
NEIC X 27 22 53 13.5 39.11N 140.86E 11 3.7,3.4b
JMA X 27 22 53 13.5 39.11N 140.86E 11–1 3.7,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ65.00000°,λ138.00000°. NP2:ϕ_s135.00000°,δ52.00000°,λ32.00000°. $M_0$2.99000×10^{14}
IDC Error ellipse: s-maj=76.6km s-min=28.5km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.5km az=21.8.
NEIC Event type se. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s224.00000°,δ54.00000°,λ152.00000°. NP2:ϕ_s331.00000°,δ67.00000°,λ39.00000°. Principal axes: T Plg43.0000°,Azm193.0000°; N Plg46.0000°,Azm357.0000°; P Plg8.0000° ,Azm95.0000°

ISC X 28 19 41 23.4–.80 36.23N–.10 137.53E–.09 253–5 2.9b 25 0-60
IDC X 28 19 41 20.9–6.2 35.40N 136.33E 170–151 3.1,2.8b **¶12071368**
ISCJB X 28 19 41 22.4–.81 36.23N–.10 137.54E–.09 258–5 2.8b,2.8b
JMA X 28 19 41 23.4–.20 36.24N 137.55E 252–2 2.6,2.8b
IDC Error ellipse: s-maj=233.7km s-min=116.3km az=3.0.
ISCJB Error ellipse: s-maj=16.7km s-min=11.0km az=154.8.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.

ISC XI 02 04 45 29.3–.33 35.94N–.05 137.33E–.05 245–3 3.6b 72 0-93
ISCJB XI 02 04 45 28.4–.32 35.96N–.05 137.33E–.05 250–3 3.6b **¶12071950**
IDC XI 02 04 45 29.1–.65 35.86N 137.24E 243–6 3.6,3.4b
JMA XI 02 04 45 29.4–.10 35.95N 137.33E 244–1 3.4,3.4b
NEIC XI 02 04 45 29.2–.73 35.93N 137.27E 243–6 3.7b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.1km az=145.4.
IDC Error ellipse: s-maj=23.7km s-min=13.5km az=83.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=13.4km az=96.0.

ISC XI 03 19 06 35.7–.47 39.06N–.03 140.90E–.04 9–3 4.1b 75 0-146
NIED XI 03 19 06 00 39.00N 140.90E 5 3.9W **¶13399130**
IDC XI 03 19 06 34.0–.62 39.10N 140.86E 0 4.1,4.1
ISCJB XI 03 19 06 35.3–.46 39.07N–.03 140.92E–.05 19–4 4.1b,4.1
JMA XI 03 19 06 35.6 39.05N 140.88E 9–1 4.1,4.1
NEIC XI 03 19 06 39.9–1.2 39.06N 140.82E 40–11 4.7b,4.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ52.00000°,λ103.00000°. NP2:ϕ_s182.00000°,δ40.00000°,λ73.00000°. $M_0$8.66000×10^{14}
IDC Error ellipse: s-maj=17.9km s-min=12.3km az=124.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=4.8km az=6.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s186.00000°,δ41.00000°,λ81.00000°. NP2:ϕ_s18.00000°,δ49.00000°,λ98.00000°. Principal axes: T Plg83.0000°,Azm340.0000°; N Plg6.0000°,Azm192.0000°; P Plg4.0000° ,Azm102.0000°
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.8km az=182.0.

ISC XI 07 13 31 23.1–.74 39.51N–.03 141.3E–.20 126–4 3.5b 24 0-59
IDC XI 07 13 31 02.7–2.8 40.05N 142.94E 0 3.6b,3.6 **¶12072684**
ISCJB XI 07 13 31 22.1–.74 39.50N–.04 141.3E–.20 131–4 3.4b,3.6
JMA XI 07 13 31 23.6–.10 39.51N 141.19E 124–1 3.3,3.6
IDC Error ellipse: s-maj=74.3km s-min=27.8km az=72.0.
ISCJB Error ellipse: s-maj=20.3km s-min=5.7km az=3.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA XI 08 00 23 00.7 35.82N 137.53E 8–1 2.9
¶14119655
JMA Event type fe.

ISC XI 08 10 22 29.5–.53 38.86N–.03 140.74E–.04 4–5 3.7b 34 0-146
NIED XI 08 10 22 00 38.90N 140.70E 8 3.7W **¶11750258**
ISCJB XI 08 10 22 29.6–.52 38.86N–.03 140.76E–.04 17–6 3.7b
JMA XI 08 10 22 29.7 38.87N 140.72E 6–1 3.8
NEIC XI 08 10 22 29.7 38.87N 140.72E 6 3.8
IDC XI 08 10 22 35.2–2.6 38.84N 140.56E 52–25 3.7,3.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s173.00000°,δ56.00000°,λ56.00000°. NP2:ϕ_s44.00000°,δ46.00000°,λ130.00000°. $M_0$3.95000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.4km az=135.2.
JMA Event type fe.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=26.4km s-min=17.1km az=112.0.

ISC XI 09 17 17 55.9–.57 37.87N–.05 140.21E–.06 114–4 3.5b 28 0-61
ISCJB XI 09 17 17 54.9–.58 37.87N–.05 140.21E–.06 119–4 3.5b **¶12072975**
JMA XI 09 17 17 56.0–.10 37.89N 140.24E 112–1 2.9
IDC XI 09 17 18 04.5–3.7 37.44N 138.91E 163–13 3.2,3.0b
ISCJB Error ellipse: s-maj=8.8km s-min=6.8km az=43.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=92.5km s-min=23.3km az=58.0.

JMA XI 11 07 44 19.5 35.82N 137.73E 5–1 0.4
¶14120854

ISC XI 12 04 39 47.5–.47 38.91N–.03 140.80E–.04 8–3 4.0b 49 0-146
NIED XI 12 04 39 00 38.90N 140.80E 5 3.8W **¶11434432**
IDC XI 12 04 39 46.2–.79 38.92N 140.78E 0 4.0,3.9b
ISCJB XI 12 04 39 47.3–.45 38.91N–.03 140.83E–.04 20–4 4.0b,3.9b
JMA XI 12 04 39 47.6 38.90N 140.80E 6–1 4.0,3.9b
NEIC XI 12 04 39 53.0–1.6 38.88N 140.60E 48–13 4.5b,3.9b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ61.00000°,λ82.00000°. NP2:ϕ_s187.00000°,δ30.00000°,λ104.00000°. $M_0$6.63000×10^{14}
IDC Error ellipse: s-maj=20.4km s-min=13.4km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.1km az=136.8.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s204.00000°,δ42.00000°,λ122.00000°. NP2:ϕ_s344.00000°,δ55.00000°,λ64.00000°. Principal axes: T Plg68.0000°,Azm199.0000°; N Plg21.0000°,Azm359.0000°; P Plg7.0000°

,Azm92.0000°
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=7.9km az=72.0.
ISC XI 18 00 01 14.4–.24 36.22N–.04 137.47E–.06 247–2 3.8b 94 0-93
NIED XI 18 00 01 00 36.20N 137.60E 250 4.0W ¶11750781
ISCJB XI 18 00 01 13.4–.24 36.22N–.04 137.46E–.06 252–2 3.8b
IDC XI 18 00 01 13.9–.51 36.14N 137.40E 244–4 3.7,3.6
NEIC XI 18 00 01 14.1–.46 36.21N 137.45E 246–4 3.7b,3.6
JMA XI 18 00 01 14.2–.10 36.17N 137.57E 249–1 4.1,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ82.00000°,λ-82.00000°. NP2:ϕ_s272.00000°,δ11.00000°,λ-134.00000°. $M_0$1.06000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=6.3km az=34.4.
IDC Error ellipse: s-maj=12.8km s-min=11.0km az=120.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=6.4km az=124.0. Felt on Yap.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 23 21 15 31.9–.49 35.30N–.04 137.46E–.04 13–3 3.4b 35 0-94
NIED XI 23 21 15 00 35.30N 137.50E 11 3.6W ¶11473310
IDC XI 23 21 15 29.8–.94 35.22N 137.70E 0 3.7,3.5b
ISCJB XI 23 21 15 31.5–.53 35.28N–.03 137.46E–.04 14–3 3.4b,3.5b
JMA XI 23 21 15 31.7 35.30N 137.47E 11 3.9,3.5b
NEIC XI 23 21 15 31.8 35.30N 137.47E 11 3.9,3.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s167.00000°,δ47.00000°,λ81.00000°. NP2:ϕ_s1.00000°,δ44.00000°,λ100.00000°. $M_0$3.27000×10^{14}
IDC Error ellipse: s-maj=30.6km s-min=16.6km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=5.1km az=149.5.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s203.00000°,δ46.00000°,λ137.00000°. NP2:ϕ_s327.00000°,δ60.00000°,λ53.00000°. Principal axes: T Plg57.0000°,Azm185.0000°; N Plg32.0000°,Azm347.0000°; P Plg8.0000° ,Azm82.0000°
NEIC Event type se. After JMA.
JMA XI 25 20 33 17.9 36.65N 139.48E 10–1 0.4 ¶14125876
JMA XII 01 04 05 52.2 36.61N 139.37E 8–1 2.6 ¶15511667
JMA Event type fe.
ISC XII 01 06 20 32.0–.51 36.04N–.04 139.94E–.06 49–4 3.6b 26 0-58
NIED XII 01 06 20 00 36.10N 139.90E 53 4.0W ¶11751433
ISCJB XII 01 06 20 31.0–.52 36.04N–.04 139.96E–.06 57–4 3.6b
JMA XII 01 06 20 32.3–.10 36.04N 139.91E 44–1 3.6
IDC XII 01 06 20 33.6–3.2 35.95N 139.73E 62–25 3.5,3.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ70.00000°,λ68.00000°. NP2:ϕ_s259.00000°,δ29.00000°,λ136.00000°. $M_0$1.00000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=6.2km az=156.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s41.00000°,δ74.00000°,λ87.00000°. NP2: ϕ_s230.00000°,δ16.00000°,λ99.00000°. Principal axes: T Plg61.0000°,Azm307.0000° ; N Plg3.0000°,Azm42.0000°; P Plg29.0000°,Azm133.0000°
IDC Error ellipse: s-maj=37.2km s-min=24.4km az=66.0.
ISC XII 01 10 25 51.1–.55 36.19N–.04 139.22E–.06 141–4 3.5b 38 0-56
ISCJB XII 01 10 25 50.1–.55 36.18N–.04 139.22E–.06 144–4 3.5b ¶12075400
NEIC XII 01 10 25 50.4–1.2 36.19N 139.36E 140–8 3.5b
JMA XII 01 10 25 51.8–.10 36.17N 139.25E 136–1 3.0
IDC XII 01 10 25 52.3–1.5 35.94N 138.74E 139–7 3.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=7.1km az=27.3.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=13.7km az=127.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=57.3km s-min=21.7km az=64.0.
ISC XII 08 21 16 52.9–.43 36.77N–.04 139.91E–.06 112–3 3.7b 54 0-148
ISCJB XII 08 21 16 51.7–.43 36.76N–.04 139.90E–.07 119–3 3.7b ¶12076415
JMA XII 08 21 16 52.9–.10 36.71N 139.92E 110–1 3.7
IDC XII 08 21 16 52.3–1.5 36.87N 139.97E 105–13 3.6,3.4b
NEIC XII 08 21 16 52.6–.86 36.86N 139.92E 108–7 3.9b,3.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=5.6km az=31.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s164.00000°,δ74.00000°,λ118.00000°. NP2: ϕ_s282.00000°,δ32.00000°,λ32.00000°. Principal axes: T Plg53.0000°,Azm107.0000° ; N Plg26.0000°,Azm336.0000°; P Plg24.0000°,Azm233.0000°
IDC Error ellipse: s-maj=21.0km s-min=11.4km az=114.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=7.9km az=124.0.
ISC XII 09 10 09 09.7–.39 38.74N–.02 140.81E–.03 10 3.7b 36 0-62
ISCJB XII 09 10 09 09.1–.39 38.74N–.02 140.81E–.03 10 3.7b ¶12076523
JMA XII 09 10 09 09.4 38.75N 140.79E 4–1 3.3
IDC XII 09 10 09 09.2–1.7 38.53N 141.03E 0 3.6b,3.6
NEIC XII 09 10 09 09.5 38.75N 140.79E 4 3.3,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.1km az=33.3.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s345.00000°,δ68.00000°,λ46.00000°. NP2:ϕ_s233.00000°,δ48.00000°,λ149.00000°. Principal axes: T Plg48.0000°,Azm208.0000°; N Plg40.0000°,Azm5.0000°; P Plg12.0000° ,Azm105.0000°
IDC Error ellipse: s-maj=39.5km s-min=19.9km az=136.0.
NEIC Event type se. After JMA.
ISC XII 11 10 44 34.9–.71 35.76N–.07 137.13E–.08 274–5 3.4b 33 0-55
IDC XII 11 10 44 32.5–6.9 35.41N 136.17E 218–128 3.5,3.3b ¶12076906
ISCJB XII 11 10 44 34.0–.71 35.77N–.07 137.12E–.08 278–5 3.4b,3.3b
JMA XII 11 10 44 34.7–.20 35.83N 137.14E 275–2 3.4,3.3b
NEIC XII 11 10 44 34.8 35.83N 137.14E 275 3.4,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=202.7km s-min=18.2km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=9.6km az=160.5.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
NEIC Event type se. After JMA.
ISC XII 14 14 50 41.1–.44 38.91N–.03 140.63E–.03 8–5 3.6b 24 0-59
IDC XII 14 14 50 38.0–2.4 39.03N 141.05E 0 3.6b,3.6 ¶12077461
ISCJB XII 14 14 50 40.7–.52 38.91N–.03 140.63E–.04 12–4 3.6b,3.6
JMA XII 14 14 50 41.1 38.92N 140.62E 4–1 2.9,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=54.9km s-min=27.1km az=85.0.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=4.2km az=142.0.
JMA Event type fe.
ISC XII 15 09 24 21.2–.38 38.93N–.03 140.91E–.03 12–4 3.4b 40 0-70
IDC XII 15 09 24 18.7–1.0 38.84N 141.10E 0 3.6,3.5 ¶15516546
ISCJB XII 15 09 24 21.0–.38 38.94N–.03 140.93E–.04 23–4 3.4b,3.5
JMA XII 15 09 24 21.3 38.94N 140.90E 8–1 3.4,3.5
NEIC XII 15 09 24 21.4 38.94N 140.90E 8 3.4,3.5
ISC Event type fe.
IDC Error ellipse: s-maj=32.6km s-min=19.6km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.0km az=139.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s261.00000°,δ55.00000°,λ74.00000°. NP2:ϕ_s107.00000°,δ38.00000°,λ112.00000°. Principal axes: T Plg74.0000°,Azm126.0000°; N Plg13.0000°,Azm270.0000°; P Plg9.0000° ,Azm2.0000°
NEIC Event type se. After JMA.
ISC XII 15 12 14 49.0–.50 37.84N–.03 139.68E–.04 5–3 4.0b 59 0-147
NIED XII 15 12 14 00 37.80N 139.70E 5 3.9W ¶15516602
ISCJB XII 15 12 14 48.5–.60 37.86N–.03 139.69E–.04 12–4 4.0b
NEIC XII 15 12 14 48.6 37.85N 139.68E 0 4.3b
JMA XII 15 12 14 48.5 37.85N 139.68E 0 4.4
IDC XII 15 12 14 48.2–.61 37.81N 139.65E 0 4.2,4.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ69.00000°,λ66.00000°. NP2:ϕ_s36.00000°,δ32.00000°,λ137.00000°. $M_0$9.06000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.2km az=34.7.
NEIC Event type fe. Recorded [2 JMA] in Fukushima, Niigata and Yamagata. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s182.00000°,δ76.00000°,λ91.00000°. NP2:ϕ_s358.00000°,δ14.00000°,λ86.00000°. Principal axes: T Plg59.0000°,Azm93.0000°; N Plg1.0000°,Azm2.0000°; P Plg31.0000° ,Azm271.0000°
IDC Error ellipse: s-maj=18.5km s-min=14.1km az=121.0.
ISC XII 20 10 55 34.6–.39 38.80N–.03 140.82E–.03 11–3 3.8b 64 0-146
IDC XII 20 10 55 32.1–.68 38.94N 141.13E 0 4.0,4.0 ¶11514967
ISCJB XII 20 10 55 34.4–.37 38.80N–.03 140.83E–.04 23–3 3.8b,4.0
JMA XII 20 10 55 34.7 38.81N 140.81E 4–1 3.9,4.0
NEIC XII 20 10 55 34.7 38.81N 140.81E 4 3.9,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=21.9km s-min=16.4km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.2km az=42.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s9.00000°,δ61.00000°,λ91.00000°. NP2:ϕ_s188.00000°,δ29.00000°,λ89.00000°. Principal axes: T Plg74.0000°,Azm281.0000°; N Plg1.0000°,Azm189.0000°; P Plg16.0000° ,Azm99.0000°
NEIC Event type se. After JMA.
JMA XII 22 13 02 33.0–.10 37.17N 140.75E 96–1 3.7 ¶15519138
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s202.00000°,δ86.00000°,λ-114.00000°. NP2: ϕ_s104.00000°,δ24.00000°,λ-9.00000°. Principal axes: T Plg37.0000°,Azm313.0000° ; N Plg24.0000°,Azm204.0000°; P Plg44.0000°,Azm89.0000°
ISC XII 23 18 37 12.6–.51 39.11N–.03 140.90E–.04 5–5 3.5b 28 0-146
NIED XII 23 18 37 00 39.10N 140.90E 8 3.6W ¶11751813
IDC XII 23 18 37 11.0–1.0 39.07N 140.95E 0 3.7,3.5
ISCJB XII 23 18 37 12.1–.56 39.12N–.03 140.89E–.04 18–7 3.5b,3.5
JMA XII 23 18 37 12.4 39.10N 140.86E 11–1 3.6,3.5
NEIC XII 23 18 37 15.5–8.5 39.05N 140.98E 30–63 3.6,3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s180.00000°,δ63.00000°,λ62.00000°. NP2:ϕ_s50.00000°,δ38.00000°,λ134.00000°. $M_0$2.83000×10^{14}
IDC Error ellipse: s-maj=34.0km s-min=16.6km az=126.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=5.1km az=179.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s181.00000°,δ68.00000°,λ66.00000°. NP2:ϕ_s51.00000°,δ32.00000°,λ135.00000°. Principal axes: T Plg60.0000°,Azm56.0000°; N Plg22.0000°,Azm191.0000°; P Plg19.0000° ,Azm289.0000°
NEIC Event type se. Error ellipse: s-maj=41.0km s-min=16.0km az=102.0.
ISC XII 31 05 26 05.1–.56 35.31N–.05 138.75E–.06 165–4 3.4b 29 0-55
IDC XII 31 05 26 04.0–2.6 34.90N 137.90E 127–31 3.3b,3.3 ¶12079628
ISCJB XII 31 05 26 04.1–.56 35.31N–.05 138.75E–.06 169–4 3.4b,3.3
JMA XII 31 05 26 04.6–.10 35.26N 138.75E 168–1 2.8,3.3
IDC Error ellipse: s-maj=52.4km s-min=24.9km az=57.0.
ISCJB Error ellipse: s-maj=8.8km s-min=7.7km az=154.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(228) Near east coast of eastern Honshu.

ISC VII 01 05 39 28.4–2.0 36.42N–.09 141.2E–.10 28–8 12 1-2
NIED VII 01 05 39 00 36.50N 141.10E 35 3.6W ¶11746816
JMA VII 01 05 39 28.9–.10 36.44N 141.11E 46–1 3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ70.00000°,λ88.00000°. NP2:ϕ_s223.00000°,δ20.00000°,λ96.00000°. $M_0$2.97000×10^{14}
JMA Event type fe.
ISC VII 01 11 50 35.6–1.0 36.61N–.04 141.29E–.06 31–5 3.5b 33 1-60
IDC VII 01 11 50 27.9–2.0 36.76N 141.88E 0 3.9L,3.7 ¶11799166
ISCJB VII 01 11 50 35.2–.87 36.59N–.04 141.29E–.07 48–7 3.5b,3.7
JMA VII 01 11 50 35.9–.10 36.60N 141.23E 46–2 3.3,3.7
NEIC VII 01 11 50 36.0 36.60N 141.23E 46 3.3,3.7
ISC Event type se.
IDC Error ellipse: s-maj=54.2km s-min=19.6km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.9km az=13.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.
ISC VII 02 03 05 46.2–1.6 40.37N–.04 142.4E–.10 33–6 20 1-5
JMA VII 02 03 05 46.0–.10 40.34N 142.40E 40–1 3.6 ¶13502569
ISC VII 03 19 12 01.9–.32 35.50N–.03 140.97E–.05 35 4.2b,3.6s 91 0-148
BJI VII 03 19 11 57.7 35.66N 141.47E 34 4.7b,4.3b ¶13379314
IDC VII 03 19 11 57.1–.54 35.47N 140.78E 0 4.3,4.2
ISCJB VII 03 19 11 59.6–.34 35.50N–.03 141.13E–.05 33 4.2b,3.6s
MOS VII 03 19 11 59.8–1.9 35.62N 140.99E 33 4.4b,3.6s
NIED VII 03 19 12 00 35.50N 140.90E 47 4.4W,3.6s
NEIC VII 03 19 12 02.3–3.8 35.47N 140.72E 35–26 4.5b,4.4W
JMA VII 03 19 12 02.2–.10 35.52N 140.94E 41–1 3.9,4.4W
ISC Event type fe.
IDC Error ellipse: s-maj=16.8km s-min=12.1km az=92.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.7km az=15.1.
MOS Error ellipse: s-maj=12.5km s-min=7.3km az=98.9.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s135.00000°,δ75.00000°,λ-84.00000°. NP2:ϕ_s292.00000°,δ16.00000°,λ-112.00000°. $M_0$5.10000×10^{15}
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.3km az=101.0. Moment Tensor Solution. $M_0$5.10000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s274.00000°,δ13.00000°,λ-145.00000°. NP2: ϕ_s150.00000°,δ83.00000°,λ-80.00000°. Principal axes: T Plg37.0000°,Azm231.0000° ; N Plg10.0000°,Azm329.0000°; P Plg51.0000°,Azm72.0000°
ISC VII 04 06 21 52.5–.81 40.36N–.04 142.01E–.10 52–6 3.8b 20 0-73
NIED VII 04 06 21 00 40.40N 142.10E 59 3.6W ¶11746866
ISCJB VII 04 06 21 51.4–.82 40.37N–.04 142.03E–.10 57–6 3.8b
JMA VII 04 06 21 51.9–.10 40.36N 142.08E 50–1 3.6
IDC VII 04 06 21 52.4–1.6 40.79N 140.94E 0 3.8b,3.8
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s270.00000°,δ83.00000°,λ-151.00000°. NP2:ϕ_s176.00000°,δ61.00000°,λ-8.00000°. $M_0$2.79000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=12.8km s-min=7.3km az=8.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=33.8km s-min=24.8km az=143.0.
ISC VII 05 07 49 03.8–.09 36.67N–.02 140.80E–.02 51 5.3b,4.5s 1201 0-161
BJI VII 05 07 48 59.2 36.72N 141.08E 51 5.1b,5.0b ¶13388236
NIED VII 05 07 49 00 36.70N 141.00E 53 5.1W,5.0b
NEIC VII 05 07 49 02.6 36.64N 140.95E 50 5.2b,5.1W
MOS VII 05 07 49 02.9–.76 36.99N 140.74E 45 5.5b,4.4s
JMA VII 05 07 49 02.5 36.64N 140.95E 50–1 5.2,4.4s
ISCJB VII 05 07 49 02.0–.09 36.65N–.02 140.82E–.02 49 5.3b,4.5s
IDC VII 05 07 49 03.3–.57 36.63N 140.96E 51–5 5.0,5.0
SZGRF VII 05 07 49 05.8 37.50N 141.50E 51 5.6b,5.0
BGS VII 05 07 49 05.8–1.4 36.91N 138.55E 33–0 5.3b,5.0
DJA VII 05 07 49 27 36.73N 140.69E 287 5.4W,5.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ77.00000°,λ95.00000°. NP2:ϕ_s216.00000°,δ14.00000°,λ69.00000°. $M_0$5.25000×10^{16}
NEIC Event type fe. Felt at Tokyo. Recorded [5L JMA] in Ibaraki; [4 JMA] in Tochigi; [3 JMA] in Fukushima and Gumma; [2 JMA] in Chiba, Miyagi, Saitama and Tokyo; [1 JMA] in Aomori, Iwate, Kanagawa, Nagano, Niigata, Shizouka, Yamagata and Yamanashi. After JMA. Moment Tensor Solution. $M_0$5.30000×10^{16}
MOS Error ellipse: s-maj=6.7km s-min=3.9km az=105.6.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s240.00000° ,δ31.00000°,λ131.00000°. NP2:ϕ_s15.00000°,δ67.00000°,λ68.00000°. Principal axes: T Plg62.0000°,Azm251.0000°; N Plg20.0000°,Azm24.0000°; P Plg19.0000°,Azm121.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=157.3.
IDC Error ellipse: s-maj=8.7km s-min=7.6km az=154.0.
SZGRF Near east coast of eastern Honshu, Japan.
BGS Error ellipse: s-maj=247.0km s-min=579.0km az=-1.0.
JMA VII 05 11 13 25.4–.20 36.41N 141.59E 59 3.3 ¶11810695
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
JMA VII 05 11 13 30.1–.20 36.40N 141.73E 66–4 3.3
IDC VII 05 11 13 25.4–1.8 36.33N 142.03E 0 3.7,3.7 ¶13503653
NEIC VII 05 11 13 30.2 36.40N 141.73E 66 3.3,3.7
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=32.2km s-min=22.6km az=81.0.
NEIC Event type se. After JMA.
JMA VII 06 04 12 18.0–.10 36.64N 140.95E 49–1 3.8

¶13503978

JMA Event type fe.
ISC VII 10 10 29 06.3–.57 35.87N–.04 141.55E–.06 35 3.9b,3.2s 38 1-80
NIED VII 10 10 29 00 35.90N 141.60E 26 3.9W,3.2s **¶11746952**
IDC VII 10 10 29 00.9–1.3 35.80N 141.74E 0 4.0,3.9b
ISCJB VII 10 10 29 04.3–.59 35.83N–.04 141.62E–.06 33 3.9b,3.2s
NEIC VII 10 10 29 04.9 35.90N 141.57E 31 4.0b,3.2s
JMA VII 10 10 29 04.8–.20 35.89N 141.57E 31–3 3.7,3.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ69.00000°,λ87.00000°. NP2:ϕ_s209.00000°,δ21.00000°,λ99.00000°. $M_0$8.55000×10^{14}
IDC Error ellipse: s-maj=40.2km s-min=16.8km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.3km az=164.8.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 12 03 03 16.2–.86 36.38N–.03 141.48E–.04 20–5 4.4b,3.5s 143 1-151
NIED VII 12 03 03 00 36.40N 141.40E 35 4.3W,3.5s **¶13388815**
IDC VII 12 03 03 13.1–.56 36.36N 141.41E 0 4.3L,4.3
ISCJB VII 12 03 03 15.3–.94 36.39N–.03 141.55E–.04 29–6 4.4b,3.5s
BJI VII 12 03 03 15.9 36.44N 141.30E 24 4.6b,4.5b
MOS VII 12 03 03 15.9–1.1 36.41N 141.51E 33 4.6b,4.5b
JMA VII 12 03 03 17.3–.10 36.39N 141.39E 48–3 4.2,4.5b
NEIC VII 12 03 03 17.4–2.1 36.37N 141.41E 29–14 4.5b,4.3W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ73.00000°,λ95.00000°. NP2:ϕ_s192.00000°,δ18.00000°,λ75.00000°. $M_0$3.53000×10^{15}
IDC Error ellipse: s-maj=15.2km s-min=13.3km az=99.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.4km az=10.0.
MOS Error ellipse: s-maj=11.3km s-min=7.0km az=113.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=6.1km az=138.0. Recorded [1 JMA] in Ibaraki and Tochigi. Moment Tensor Solution. $M_0$3.50000×10^{15}
ISC VII 12 03 04 40.9–1.1 36.39N–.03 141.45E–.06 19–7 4.1b 44 1-79
IDC VII 12 03 04 37.8–1.3 36.50N 141.57E 0 4.2,4.2 **¶11811325**
NEIC VII 12 03 04 39.5–.71 36.48N 141.49E 10 4.4b,4.2
ISCJB VII 12 03 04 41.1–.89 36.35N–.03 141.49E–.08 39–7 4.1b,4.2
JMA VII 12 03 04 42.1–.10 36.39N 141.38E 50–3 3.9,4.2
ISC Event type fe.
IDC Error ellipse: s-maj=33.4km s-min=21.2km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=14.9km s-min=11.1km az=153.0. Recorded [1 JMA] in Ibaraki and Tochigi.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=5.6km az=1.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 14 10 41 09.7–1.0 35.87N–.05 141.03E–.08 23–6 3.5b 20 0-60
NIED VII 14 10 41 00 35.90N 141.00E 41 3.9W **¶11747004**
IDC VII 14 10 41 05.4–1.7 35.89N 141.32E 0 3.6b,3.6
ISCJB VII 14 10 41 08.5–1.0 35.87N–.05 141.09E–.08 29–5 3.6b,3.6
JMA VII 14 10 41 10.4–.10 35.82N 140.94E 28–1 3.6,3.6
NEIC VII 14 10 41 10.4 35.82N 140.94E 28 3.6,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s99.00000°,δ55.00000°,λ98.00000°. NP2:ϕ_s266.00000°,δ36.00000°,λ79.00000°. $M_0$6.79000×10^{14}
IDC Error ellipse: s-maj=42.1km s-min=16.9km az=37.0.
ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=8.2km az=168.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.
JMA VII 16 15 51 16.8–.10 36.69N 141.01E 47–1 3.6
¶13508089
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s204.00000°,δ15.00000°,λ97.00000°. NP2:ϕ_s18.00000°,δ75.00000°,λ88.00000°. Principal axes: T Plg60.0000°,Azm285.0000°; N Plg2.0000°,Azm18.0000°; P Plg30.0000°,Azm109.0000°
ISC VII 17 14 53 38.6–.58 35.41N–.03 141.33E–.05 35 4.1b 40 0-76
NIED VII 17 14 53 00 35.40N 141.30E 53 3.8W **¶11747046**
IDC VII 17 14 53 34.7–1.2 35.51N 141.28E 0 3.9,3.8b
ISCJB VII 17 14 53 37.8–.66 35.42N–.03 141.34E–.05 33 4.1b,3.8b
JMA VII 17 14 53 37.8–.10 35.44N 141.33E 56–2 3.5,3.8b
NEIC VII 17 14 53 41.0–2.0 35.66N 141.22E 50–21 4.2b,3.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s134.00000°,δ51.00000°,λ-77.00000°. NP2:ϕ_s295.00000°,δ41.00000°,λ-105.00000°. $M_0$6.64000×10^{14}
IDC Error ellipse: s-maj=26.3km s-min=21.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=175.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=13.9km az=125.0.
ISC VII 17 18 24 14.9–1.1 36.69N–.03 141.53E–.06 16–5 3.3b 33 1-57
IDC VII 17 18 24 11.7–1.8 36.67N 141.64E 0 3.6,3.5b **¶11811850**
ISCJB VII 17 18 24 14.2–1.1 36.66N–.04 141.59E–.06 26–6 3.3b,3.5b
NEIC VII 17 18 24 16.4 36.68N 141.42E 49 3.3,3.5b
JMA VII 17 18 24 16.3–.10 36.68N 141.42E 49–2 3.3,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=32.7km s-min=22.1km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.9km az=6.9.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 20 14 16 26.0–.31 36.20N–.03 141.86E–.04 35 4.5b,3.8s 140 1-147
NIED VII 20 14 16 00 36.20N 141.90E 26 4.3W,3.8s **¶13389661**
BJI VII 20 14 16 19.3 36.35N 142.05E 10 4.8b,4.7b
NEIC VII 20 14 16 22.4–3.4 36.18N 141.85E 10–20 4.9b,4.3W
ISCJB VII 20 14 16 23.9–.31 36.23N–.03 141.92E–.04 33 4.5b,3.8s
JMA VII 20 14 16 23.4–.20 36.21N 141.89E 58–5 4.6,3.8s
IDC VII 20 14 16 26.0–5.0 36.14N 141.77E 33–37 4.4L,4.2
MOS VII 20 14 16 26.5–.84 36.58N 141.71E 33 4.9b,4.2
SZGRF VII 20 14 16 31.6 38.78N 145.55E 33 5.2b,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ60.00000°,λ86.00000°. NP2:ϕ_s203.00000°,δ30.00000°,λ98.00000°. $M_0$3.02000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=6.2km az=142.0. Recorded [1 JMA] in Fukushima, Ibaraki and Tochigi. Moment Tensor Solution. $M_0$3.00000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.0km az=24.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=14.9km az=115.0.
MOS Error ellipse: s-maj=10.6km s-min=6.8km az=117.6.
SZGRF Off east coast of Honshu, Japan.
ISC VII 20 18 01 15.8–1.8 36.21N–.03 141.91E–.08 18–13 3.4b 28 1-60
IDC VII 20 18 01 13.1–2.2 36.11N 141.92E 0 3.4L,3.4b **¶12698353**
JMA VII 20 18 01 16.2–.20 36.22N 141.88E 59 3.1,3.4b
IDC Error ellipse: s-maj=42.3km s-min=24.8km az=66.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC VII 21 04 50 11.5–1.1 37.30N–.03 141.75E–.06 24–7 3.8b 39 1-90
NIED VII 21 04 50 00 37.30N 141.70E 41 3.8W **¶11747090**
IDC VII 21 04 50 07.7–.91 37.29N 141.79E 0 3.9,3.8
ISCJB VII 21 04 50 10.9–.84 37.29N–.03 141.81E–.06 35–8 3.8b,3.8
JMA VII 21 04 50 12.3–.10 37.32N 141.72E 43–3 4.2,3.8
NEIC VII 21 04 50 13.2–.66 37.35N 141.79E 35 4.4b,3.8
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s71.00000°,δ70.00000°,λ110.00000°. NP2:ϕ_s204.00000°,δ28.00000°,λ47.00000°. $M_0$5.93000×10^{14}
IDC Error ellipse: s-maj=22.3km s-min=18.1km az=122.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.2km az=20.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=15.6km s-min=9.3km az=146.0. Recorded [2 JMA] in Fukushima.
ISC VII 21 04 52 15.6–1.8 37.32N–.06 141.7E–.10 28–8 18 1-3
NIED VII 21 04 52 00 37.30N 141.70E 47 3.5W **¶11747091**
JMA VII 21 04 52 15.7–.20 37.32N 141.72E 42–3 3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s80.00000°,δ66.00000°,λ117.00000°. NP2:ϕ_s208.00000°,δ35.00000°,λ44.00000°. $M_0$2.12000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VII 21 06 16 39.9–1.3 36.21N–.03 141.87E–.05 21–9 3.9b 47 1-147
NIED VII 21 06 16 00 36.20N 141.80E 23 3.8W **¶11747092**
IDC VII 21 06 16 36.5–.85 36.15N 142.01E 0 3.9,3.9
ISCJB VII 21 06 16 38.4–1.4 36.23N–.03 141.98E–.05 24–10 3.9b,3.9
NEIC VII 21 06 16 38.2–.65 36.21N 141.98E 10 4.3b,3.9
JMA VII 21 06 16 40.1–.20 36.21N 141.82E 61–4 3.8,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ69.00000°,λ85.00000°. NP2:ϕ_s209.00000°,δ22.00000°,λ102.00000°. $M_0$5.77000×10^{14}
IDC Error ellipse: s-maj=20.6km s-min=18.6km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.4km az=10.3.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.0km az=164.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
JMA VII 21 09 01 05.2 38.79N 141.63E 69–1 1.1
¶13510041
ISC VII 21 20 31 50.7–1.1 36.20N–.03 141.84E–.04 16–6 4.6b,3.9s 159 1-147
NIED VII 21 20 31 00 36.20N 141.80E 26 4.4W,3.9s **¶13510267**
MOS VII 21 20 31 49.1–1.2 36.23N 141.88E 20 4.9b,3.9s
ISCJB VII 21 20 31 50.8–1.3 36.18N–.03 141.87E–.04 30–8 4.6b,3.9s
BJI VII 21 20 31 51.5 36.34N 141.72E 29 4.8b,4.7b
JMA VII 21 20 31 51.0–.20 36.21N 141.84E 62–4 4.5,4.7b
IDC VII 21 20 31 53.3–.67 36.15N 141.74E 33–4 4.4L,4.3
NEIC VII 21 20 31 54.0–1.0 36.13N 141.74E 40–8 4.8b,4.3W
SZGRF VII 21 20 31 56.7 36.34N 141.20E 33 4.7b,4.3W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ63.00000°,λ89.00000°. NP2:ϕ_s200.00000°,δ27.00000°,λ92.00000°. $M_0$3.95000×10^{15}
MOS Error ellipse: s-maj=10.7km s-min=6.5km az=114.1.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=4.8km az=28.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=14.1km s-min=13.2km az=117.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=5.5km az=80.0. Recorded [1 JMA] in Fukushima, Ibaraki, Saitama and Tochigi. Moment Tensor Solution. $M_0$4.00000×10^{15}
SZGRF Near east coast of eastern Honshu, Japan.
ISC VII 22 19 16 59.4–.35 34.34N–.03 140.05E–.03 35 3.8b,3.7s 46 1-93
NIED VII 22 19 16 00 34.40N 140.10E 8 4.3W,3.7s **¶11747128**
IDC VII 22 19 16 55.0–.70 34.31N 140.05E 0 3.9,3.9L
ISCJB VII 22 19 16 58.5–.35 34.35N–.03 140.06E–.03 33 3.8b,3.7s
JMA VII 22 19 16 58.5–.10 34.36N 140.05E 24–1 4.4,3.7s
NEIC VII 22 19 17 00.5–1.7 34.34N 140.02E 37–12 4.3b,3.7s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s89.00000°,δ87.00000°,λ-163.00000°. NP2:ϕ_s358.00000°,δ74.00000°,λ-3.00000°. $M_0$3.37000×10^{15}
IDC Error ellipse: s-maj=23.1km s-min=12.8km az=87.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.7km az=44.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=15.6km s-min=12.9km az=171.0. Recorded [2 JMA] on O-Shima and [1 JMA] on Hachijo-shima, Kozu-shima, Miyake-jima and Nii-jima. Also recorded [1 JMA] in Chiba and Shizuoka.
ISC VII 25 08 59 25.1–.60 39.62N–.03 142.09E–.08 49–5 3.7b 46 0-67
NIED VII 25 08 59 00 39.60N 142.10E 62 3.9W **¶11747145**
ISCJB VII 25 08 59 23.9–.61 39.63N–.03 142.13E–.08 56–4 3.7b
JMA VII 25 08 59 24.9 39.63N 142.11E 48–1 3.7
MOS VII 25 08 59 24.7–.72 39.65N 142.18E 74 4.1b
IDC VII 25 08 59 24.8–1.5 39.65N 142.07E 49–8 3.6,3.6
NEIC VII 25 08 59 24.9 39.63N 142.11E 48 3.9,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ86.00000°,λ-120.00000°. NP2:ϕ_s114.00000°,δ30.00000°,λ-8.00000°. $M_0$7.16000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.3km az=6.9.
JMA Event type fe.
MOS Error ellipse: s-maj=23.6km s-min=12.1km az=75.6.
IDC Error ellipse: s-maj=39.8km s-min=17.3km az=79.0.
NEIC Event type fe. Recorded [2 JMA] in Iwate and [1 JMA] in Aomori. After JMA.
ISC VII 26 01 07 41.1–.39 37.55N–.03 141.92E–.04 35 4.3b 83 1-146
NIED VII 26 01 07 00 37.60N 141.90E 41 4.1W **¶13390115**
ISCJB VII 26 01 07 39.2–.41 37.56N–.03 142.01E–.04 35 4.3b
JMA VII 26 01 07 40.2–.10 37.57N 141.91E 36–3 4.3
MOS VII 26 01 07 41.3–.86 37.63N 141.87E 52 4.7b
IDC VII 26 01 07 41.2–.88 37.55N 141.90E 35–6 4.0,3.9b
BJI VII 26 01 07 41.3 37.09N 141.65E 56 4.9b,4.7b
NEIC VII 26 01 07 42.4–.81 37.62N 141.89E 44–6 4.5b,4.1W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ69.00000°,λ83.00000°. NP2:ϕ_s218.00000°,δ22.00000°,λ108.00000°. $M_0$1.62000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.0km az=136.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=11.6km s-min=8.0km az=111.1.
IDC Error ellipse: s-maj=17.6km s-min=13.5km az=153.0.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=6.4km az=151.0. Recorded [1 JMA] in Fukushima and Miyagi. Moment Tensor Solution. $M_0$1.60000×10^{15}
ISC VII 30 01 34 38.4–.48 34.48N–.04 140.27E–.05 85–3 3.9b 44 0-71
NIED VII 30 01 34 00 34.50N 140.30E 77 3.6W **¶11747205**
NEIC VII 30 01 34 36.5–1.6 34.41N 140.44E 75–11 4.2b
ISCJB VII 30 01 34 37.3–.48 34.48N–.04 140.29E–.05 92–3 3.9b
JMA VII 30 01 34 37.8–.20 34.48N 140.25E 85–2 3.5
IDC VII 30 01 34 38.6–7.8 34.43N 140.15E 79–48 3.9L,3.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s257.00000°,δ80.00000°,λ147.00000°. NP2:ϕ_s354.00000°,δ58.00000°,λ11.00000°. $M_0$3.09000×10^{14}
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=17.1km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.9km az=138.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=79.2km s-min=59.4km az=45.0.
ISC VII 30 06 01 47.7–2.2 36.23N–.04 141.79E–.08 19–14 3.9b 26 1-75
NIED VII 30 06 01 00 36.20N 141.80E 26 3.8W **¶11747206**
ISCJB VII 30 06 01 46.8–1.8 36.23N–.04 141.86E–.10 27–12 3.9b
IDC VII 30 06 01 46.1–10 36.52N 141.84E 0 3.9b,3.9
NEIC VII 30 06 01 47.6 36.21N 141.78E 58 3.5,3.9
JMA VII 30 06 01 47.5–.20 36.21N 141.78E 58 3.5,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ69.00000°,λ68.00000°. NP2:ϕ_s243.00000°,δ29.00000°,λ135.00000°. $M_0$6.67000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.4km az=2.3.
IDC Error ellipse: s-maj=223.9km s-min=45.4km az=158.0.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC VII 31 04 54 36.2–2.2 38.33N–.06 142.49E–.08 14–14 3.7b 28 1-73
NIED VII 31 04 54 00 38.30N 142.60E 23 3.7W **¶11747221**
JMA VII 31 04 54 35.5–.10 38.27N 142.58E 33–2 4.1
IDC VII 31 04 54 35.9–3.1 38.64N 142.40E 0 3.6b,3.6
ISCJB VII 31 04 54 36.6–2.0 38.31N–.06 142.54E–.09 32–16 3.7b,3.6
NEIC VII 31 04 54 39.8–2.8 38.51N 142.40E 31–21 4.2b,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s357.00000°,δ49.00000°,λ60.00000°. NP2:ϕ_s218.00000°,δ49.00000°,λ120.00000°. $M_0$3.71000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=71.2km s-min=27.6km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=8.2km az=35.6.
NEIC Event type se. Error ellipse: s-maj=30.5km s-min=9.4km az=131.0.
ISC VII 31 05 31 52.4–1.3 39.20N–.04 142.40E–.07 19–6 3.6b 27 1-50
NIED VII 31 05 31 00 39.20N 142.40E 26 3.7W **¶11747223**
ISCJB VII 31 05 31 52.1–1.3 39.15N–.04 142.40E–.09 26–6 3.6b
JMA VII 31 05 31 52.7–.10 39.17N 142.38E 31–1 3.8
NEIC VII 31 05 31 52.8 39.17N 142.38E 31 3.8
IDC VII 31 05 31 58.5–2.8 39.30N 142.06E 63–30 3.6L,3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s347.00000°,δ82.00000°,λ44.00000°. NP2:ϕ_s249.00000°,δ47.00000°,λ169.00000°. $M_0$3.86000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=5.7km az=16.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Recorded [1 JMA] in Iwate. After JMA.

IDC Error ellipse: s-maj=43.9km s-min=19.2km az=134.0.
ISC VIII 01 19 47 20.2–.66 35.10N–.04 140.11E–.04 41–7 26 0-2
NIED VIII 01 19 47 00 35.10N 140.10E 20 3.6W **¶11747245**
ISCJB VIII 01 19 47 19.8–.72 35.11N–.04 140.11E–.04 44–7 3.6W
JMA VIII 01 19 47 20.2–.20 35.15N 140.13E 35–2 3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s122.00000°,δ82.00000°,λ8.00000°. NP2:ϕ_s31.00000°,δ82.00000°,λ172.00000°. $M_0$3.26000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.0km az=27.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s31.00000°,δ74.00000°,λ173.00000°. NP2: ϕ_s123.00000°,δ84.00000°,λ16.00000°. Principal axes: T Plg16.0000°,Azm348.0000° ; N Plg72.0000°,Azm143.0000°; P Plg7.0000°,Azm256.0000°
ISC VIII 02 15 50 34.6–.76 35.29N–.04 141.03E–.06 28–4 4.1b 47 0-148
NIED VIII 02 15 50 00 35.30N 141.20E 23 4.2W **¶11652764**
IDC VIII 02 15 50 30.6–.98 35.30N 141.01E 0 4.1,3.9
JMA VIII 02 15 50 32.7–.10 35.33N 141.18E 37–2 4.4,3.9
ISCJB VIII 02 15 50 34.2–.79 35.31N–.04 141.05E–.07 38–6 4.1b,3.9
BJI VIII 02 15 50 34.2 35.31N 140.62E 19 4.6b,4.3b
NEIC VIII 02 15 50 37.1–2.4 35.33N 140.92E 47–17 4.6b,4.2W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s212.00000°,δ68.00000°,λ-54.00000°. NP2:ϕ_s329.00000°,δ42.00000°,λ-145.00000°. $M_0$2.64000×10^{15}
IDC Error ellipse: s-maj=27.0km s-min=18.7km az=164.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=6.9km az=18.3.
NEIC Event type fe. Error ellipse: s-maj=24.0km s-min=12.0km az=167.0. Recorded [1 JMA] in Chiba. Moment Tensor Solution. $M_0$2.60000×10^{15}
ISC VIII 06 21 12 53.0–.63 35.52N–.03 141.02E–.05 35–4 4.3b,3.6s 117 0-148
NIED VIII 06 21 12 00 35.50N 141.00E 35 4.5W,3.6s **¶13391024**
IDC VIII 06 21 12 48.8–.63 35.53N 140.81E 0 4.2,4.1
MOS VIII 06 21 12 51.0–1.2 35.54N 141.04E 33 4.5b,4.1
JMA VIII 06 21 12 52.7–.10 35.54N 141.02E 42–1 4.3,4.1
ISCJB VIII 06 21 12 52.5–.46 35.51N–.03 141.00E–.05 48–3 4.3b,3.6s
BJI VIII 06 21 12 53.3 35.66N 140.05E 6 4.5b,4.3b
NEIC VIII 06 21 12 53.3–1.2 35.49N 140.90E 36–10 4.5b,4.4W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s178.00000°,δ84.00000°,λ-78.00000°. NP2:ϕ_s295.00000°,δ13.00000°,λ-153.00000°. $M_0$5.74000×10^{15}
IDC Error ellipse: s-maj=19.4km s-min=14.4km az=97.0.
MOS Error ellipse: s-maj=11.3km s-min=7.3km az=116.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.7km az=175.1.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=6.4km az=110.0. Recorded [2 JMA] in Chiba and [1 JMA] in Ibaraki. Moment Tensor Solution. $M_0$5.70000×10^{15}
ISC VIII 06 22 38 50.0–2.2 36.33N–.04 141.92E–.07 14–13 4.1b 42 1-147
NIED VIII 06 22 38 00 36.40N 141.80E 23 4.1W **¶13391026**
IDC VIII 06 22 38 48.4–1.4 36.37N 141.88E 0 4.1b,4.1
JMA VIII 06 22 38 50.7–.20 36.36N 141.85E 81–4 3.8,4.1
BJI VIII 06 22 38 51.7 35.60N 141.60E 55 4.5b,4.1
NEIC VIII 06 22 38 52.7–2.4 35.62N 141.65E 56–17 4.3b,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ66.00000°,λ100.00000°. NP2:ϕ_s183.00000°,δ26.00000°,λ68.00000°. $M_0$1.62000×10^{15}
IDC Error ellipse: s-maj=32.3km s-min=26.6km az=137.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=13.2km az=119.0.
ISC VIII 07 08 59 47.9–.86 35.46N–.04 141.00E–.07 31–4 3.6b,3.0s 24 0-59
IDC VIII 07 08 59 43.5–1.4 35.39N 141.14E 0 3.7,3.6b **¶11907871**
ISCJB VIII 07 08 59 47.2–.79 35.48N–.04 141.02E–.07 39–7 3.6b,3.0s
JMA VIII 07 08 59 47.5–.10 35.52N 141.00E 39–1 3.2,3.0s
NEIC VIII 07 08 59 47.6 35.53N 141.00E 40 3.2,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=22.3km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.5km az=5.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.
ISC VIII 13 01 45 10.2–.64 36.45N–.04 140.77E–.07 50–4 3.9b 35 0-91
NIED VIII 13 01 45 00 36.40N 140.70E 50 3.9W **¶11747376**
ISCJB VIII 13 01 45 09.1–.62 36.43N–.04 140.78E–.07 57–4 3.9b
JMA VIII 13 01 45 10.2–.10 36.43N 140.68E 52–1 3.8
NEIC VIII 13 01 45 11.3–1.8 36.42N 140.64E 61–14 4.2b
IDC VIII 13 01 45 11.6–2.8 36.41N 140.66E 63–26 3.7,3.6b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ68.00000°,λ104.00000°. NP2:ϕ_s178.00000°,δ26.00000°,λ60.00000°. $M_0$7.11000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.3km s-min=6.4km az=13.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s225.00000°,δ24.00000°,λ107.00000°. NP2:ϕ_s26.00000°,δ67.00000°,λ83.00000°. Principal axes: T Plg67.0000°,Azm283.0000°; N Plg7.0000°,Azm29.0000°; P Plg22.0000° ,Azm122.0000°
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=16.3km az=48.0.
IDC Error ellipse: s-maj=28.4km s-min=14.8km az=69.0.
ISC VIII 13 12 18 57.6–.51 38.79N–.04 141.68E–.07 72–3 3.8b 41 0-89
ISCJB VIII 13 12 18 56.6–.52 38.78N–.04 141.67E–.07 78–3 3.8b **¶11908157**
IDC VIII 13 12 18 56.8–2.8 38.73N 141.50E 63–27 3.7,3.6L
NEIC VIII 13 12 18 57.8 38.78N 141.61E 73 4.5b,3.6L
JMA VIII 13 12 18 57.7 38.78N 141.61E 73–1 3.4,3.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=5.4km az=21.8.
IDC Error ellipse: s-maj=22.7km s-min=19.1km az=85.0.
NEIC Event type fe. Recorded [2 JMA] in Miyagi and [1 JMA] in Iwate. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s73.00000°,δ23.00000°,λ160.00000°. NP2:ϕ_s181.00000°,δ83.00000°,λ68.00000°. Principal axes: T Plg48.0000°,Azm68.0000°; N Plg21.0000°,Azm184.0000°; P Plg34.0000° ,Azm289.0000°
ISC VIII 15 15 04 41.4–1.1 35.84N–.03 141.26E–.08 24–7 3.9b 29 0-60
ISCJB VIII 15 15 04 40.9–.77 35.87N–.03 141.32E–.08 39–7 3.9b **¶11908256**
JMA VIII 15 15 04 42.6–.10 35.83N 141.10E 33–1 3.3
NEIC VIII 15 15 04 42.6 35.83N 141.10E 33 4.4b
IDC VIII 15 15 04 43.4–2.3 35.78N 141.34E 49–20 3.6,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.7km az=8.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=29.6km s-min=13.3km az=93.0.
ISC VIII 16 08 20 30.8–.30 40.52N–.03 141.50E–.05 83–2 4.5b 147 0-145
NIED VIII 16 08 20 00 40.50N 141.50E 80 4.2W **¶11184370**
SZGRF VIII 16 08 20 26.6 40.79N 142.21E 33 4.6b
ISCJB VIII 16 08 20 29.8–.32 40.52N–.03 141.48E–.05 89–2 4.5b
IDC VIII 16 08 20 29.4–1.6 40.41N 141.39E 74–14 4.5s,4.5
JMA VIII 16 08 20 30.5–.10 40.50N 141.53E 81–1 4.0,4.5
MOS VIII 16 08 20 30.0–.94 40.59N 141.33E 88 4.4b,4.5
BJI VIII 16 08 20 31.0 40.58N 141.62E 116 4.9b,4.9b
NEIC VIII 16 08 20 31.3–.74 40.50N 141.44E 89–6 4.6b,4.2W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ87.00000°,λ-96.00000°. NP2:ϕ_s258.00000°,δ7.00000°,λ-27.00000°. $M_0$2.31000×10^{15}
SZGRF Near east coast of eastern Honshu, Japan.
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=19.0.
IDC Error ellipse: s-maj=14.7km s-min=10.1km az=104.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s151.00000°,δ19.00000°,λ-112.00000°. NP2: ϕ_s354.00000°,δ72.00000°,λ-83.00000°. Principal axes: T Plg27.0000°,Azm78.0000° ; N Plg7.0000°,Azm172.0000°; P Plg62.0000°,Azm275.0000°
MOS Error ellipse: s-maj=10.1km s-min=6.5km az=102.9.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=6.9km az=145.0. Recorded [2 JMA] in Aomori and Iwate. Moment Tensor Solution. $M_0$2.30000×10^{15}
ISC VIII 19 09 38 01.6–1.2 36.78N–.04 141.89E–.06 9–6 3.8b 36 1-61
IDC VIII 19 09 37 58.9–1.1 36.79N 142.18E 0 3.9,3.9 **¶11747446**
NIED VIII 19 09 38 00 36.80N 141.70E 20 3.9W,3.9
NEIC VIII 19 09 38 04.9 36.77N 141.73E 50 3.9,3.9
JMA VIII 19 09 38 04.8–.20 36.77N 141.73E 50–3 3.9,3.9
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=20.1km az=90.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ72.00000°,λ83.00000°. NP2:ϕ_s223.00000°,δ19.00000°,λ111.00000°. $M_0$8.82000×10^{14}
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC VIII 20 05 28 02.8–1.1 38.95N–.03 142.52E–.05 13–6 4.0b 37 1-145
NIED VIII 20 05 28 00 38.90N 142.50E 35 4.2W **¶11747456**
IDC VIII 20 05 28 00.7–.88 38.79N 142.59E 0 4.0,3.9
ISCJB VIII 20 05 28 01.9–1.1 38.91N–.03 142.59E–.07 20–7 4.0b,3.9
NEIC VIII 20 05 28 03.4 38.95N 142.53E 30 4.2b,3.9
JMA VIII 20 05 28 03.4–.10 38.95N 142.53E 30–2 4.3,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s272.00000°,δ87.00000°,λ144.00000°. NP2:ϕ_s4.00000°,δ54.00000°,λ4.00000°. $M_0$2.01000×10^{15}
IDC Error ellipse: s-maj=26.3km s-min=18.4km az=106.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.3km az=19.2.
NEIC Event type fe. Recorded [1 JMA] in Iwate and Miyagi. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s188.00000°,δ28.00000°,λ-1.00000°. NP2: ϕ_s279.00000°,δ89.00000°,λ-118.00000°. Principal axes: T Plg38.0000°,Azm34.0000° ; N Plg28.0000°,Azm279.0000°; P Plg39.0000°,Azm163.0000°
ISC VIII 20 23 56 44.5–.94 37.76N–.03 141.87E–.09 42–7 3.9b 47 1-58
NIED VIII 20 23 56 00 37.80N 141.80E 41 3.7W **¶11747465**
IDC VIII 20 23 56 37.4–1.9 37.86N 142.24E 0 3.9b,3.9
ISCJB VIII 20 23 56 43.4–.91 37.74N–.03 141.88E–.09 52–6 3.9b,3.9
JMA VIII 20 23 56 44.2–.10 37.76N 141.83E 40–2 3.7,3.9
NEIC VIII 20 23 56 44.8–4.0 37.78N 141.93E 50–28 4.1b,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ70.00000°,λ81.00000°. NP2:ϕ_s224.00000°,δ22.00000°,λ112.00000°. $M_0$3.84000×10^{14}
IDC Error ellipse: s-maj=42.7km s-min=22.7km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.5km az=9.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=43.0km s-min=8.8km az=64.0. Recorded [1 JMA] in Fukushima.
ISC VIII 22 10 59 51.5–.21 36.50N–.02 140.44E–.02 61–1 5.4b 1349 0-162
NIED VIII 22 10 59 00 36.50N 140.70E 59 5.1W **¶13392325**
BJI VIII 22 10 59 43.2 36.31N 140.94E 41 5.4b,5.2b
MOS VIII 22 10 59 46.6–.79 36.52N 140.45E 33 5.7b,4.3s
SZGRF VIII 22 10 59 47.6 37.14N 141.70E 33 5.7b,4.8s
JMA VIII 22 10 59 50.1–.10 36.44N 140.62E 56–1 5.2,4.8s
ISCJB VIII 22 10 59 50.5–.21 36.48N–.02 140.44E–.02 65–1 5.3b,4.8s
NEIC VIII 22 10 59 50.1–.48 36.46N 140.40E 52–4 5.2b,5.1W
IDC VIII 22 10 59 51.9–1.1 36.43N 140.45E 70–9 5.0,5.0
BGS VIII 22 10 59 54.5–1.6 36.56N 137.60E 50–999 5.4b,5.0
GCMT VIII 22 10 59 54.5–.20 36.45N 140.72E 59–1 5.2W,5.0
DJA VIII 22 10 59 56 36.41N 140.32E 94 5.7b,5.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ67.00000°,λ86.00000°. NP2:ϕ_s207.00000°,δ23.00000°,λ99.00000°. $M_0$5.02000×10^{16}
MOS Error ellipse: s-maj=7.0km s-min=3.6km az=107.8.
SZGRF Near east coast of eastern Honshu, Japan.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s213.00000°,δ16.00000°,λ102.00000°. NP2:ϕ_s20.00000°,δ74.00000°,λ86.00000°. Principal axes: T Plg61.0000°,Azm285.0000°; N Plg3.0000°,Azm21.0000°; P Plg29.0000° ,Azm113.0000°
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=153.7.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.5km az=153.0. Moment Tensor Solution. $M_0$5.00000×10^{16}
IDC Error ellipse: s-maj=10.7km s-min=7.0km az=88.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: lI lU lC CN G. Moment Tensor Solution. s50,c71; s86,c145; Moment tensor: Scale 10^{16}Nm; M_{rr}6.32±.23 $M_{\theta\theta}$-0.47±.17; $M_{\phi\phi}$-5.85±.16; $M_{r\theta}$0.61±.13; $M_{\theta\phi}$-2.21±.12; $M_{r\phi}$3.13±.12; Best double couple: NP1:ϕ_s204.00000°,δ32.00000°,λ97.00000°. NP2:ϕ_s16.00000°,δ58.00000°,λ86.00000°. Principal axes: T 7.0800,Plg76.0000° ,Azm272.0000°; N 0.2900,Plg4.0000°,Azm18.0000°; P -7.3700,Plg13.0000°,Azm109.0000° $M_0$7.20000×10^{16}
ISC VIII 25 23 39 38.1–.37 35.57N–.04 140.05E–.05 73–3 3.9b 49 0-79
NIED VIII 25 23 39 00 35.70N 140.10E 89 3.7W **¶11747507**
ISCJB VIII 25 23 39 37.0–.38 35.56N–.04 140.06E–.05 80–3 3.9b
JMA VIII 25 23 39 37.6–.20 35.64N 140.06E 71–2 3.9
NEIC VIII 25 23 39 38.3–1.1 35.58N 140.07E 76–9 4.3b
IDC VIII 25 23 39 39.0–1.8 35.55N 140.04E 80–16 3.6,3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ73.00000°,λ102.00000°. NP2:ϕ_s146.00000°,δ21.00000°,λ56.00000°. $M_0$4.22000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=4.4km az=143.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.4km az=90.0.
IDC Error ellipse: s-maj=25.5km s-min=11.7km az=64.0.
ISC VIII 26 06 16 06.1–.34 36.99N–.03 140.49E–.05 113–2 4.2b 99 0-147
NIED VIII 26 06 16 00 37.00N 140.50E 89 4.0W **¶11653095**
ISCJB VIII 26 06 16 04.9–.34 36.98N–.03 140.49E–.05 120–2 4.2b
BJI VIII 26 06 16 04.6 37.00N 140.50E 108 4.6b,4.5b
MOS VIII 26 06 16 05.0–.90 37.20N 140.43E 112 4.4b,4.5b
JMA VIII 26 06 16 06.6–.10 36.98N 140.48E 109–1 4.1,4.5b
IDC VIII 26 06 16 06.2–.58 37.01N 140.43E 113–4 3.9,3.9
NEIC VIII 26 06 16 06.7 36.98N 140.48E 109 4.7b,4.0W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ84.00000°,λ-93.00000°. NP2:ϕ_s70.00000°,δ6.00000°,λ-63.00000°. $M_0$1.19000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.7km az=34.2.
MOS Error ellipse: s-maj=11.5km s-min=7.9km az=106.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s88.00000°,δ15.00000°,λ-52.00000°. NP2: ϕ_s229.00000°,δ78.00000°,λ-100.00000°. Principal axes: T Plg32.0000°,Azm327.0000° ; N Plg9.0000°,Azm231.0000°; P Plg56.0000°,Azm127.0000°
IDC Error ellipse: s-maj=11.7km s-min=7.8km az=160.0.
NEIC Event type fe. Recorded [2 JMA] in Fukushima, Ibaraki, Miyagi, Saitama and Tochigi. After JMA. Moment Tensor Solution. $M_0$1.20000×10^{15}
ISC VIII 28 02 38 01.2–1.7 37.00N–.05 141.75E–.09 16–7 3.4b 22 1-44
NIED VIII 28 02 38 00 36.90N 141.80E 26 3.7W **¶13542766**
JMA VIII 28 02 38 01.0–.10 36.92N 141.78E 38–3 3.5
NEIC VIII 28 02 38 01.1 36.93N 141.78E 38 3.5
IDC VIII 28 02 38 05.5–8.1 36.58N 141.74E 69–63 3.4,3.3L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s158.00000°,δ46.00000°,λ100.00000°. NP2:ϕ_s323.00000°,δ45.00000°,λ79.00000°. $M_0$3.37000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=91.2km s-min=60.5km az=2.0.
ISC VIII 28 08 31 41.2–.70 36.08N–.02 141.17E–.03 21–5 4.7b,3.8s 291 0-147
NIED VIII 28 08 31 00 36.10N 141.30E 20 4.4W,3.8s **¶13392816**
IDC VIII 28 08 31 37.0–.47 35.99N 141.25E 0 4.6,4.5L
JMA VIII 28 08 31 40.9–.10 36.03N 141.24E 40–2 4.6,4.5L
ISCJB VIII 28 08 31 41.8–.42 36.05N–.03 141.14E–.03 38–4 4.7b,3.8s
NEIC VIII 28 08 31 42.7–.28 36.08N 141.22E 35 4.8b,4.4W
MOS VIII 28 08 31 43.1–.81 36.52N 141.15E 33 5.0b,4.4W
BJI VIII 28 08 31 44.5 36.42N 140.82E 35 4.8b,4.7b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s36.00000°,δ77.00000°,λ115.00000°. NP2:ϕ_s152.00000°,δ28.00000°,λ29.00000°. $M_0$4.50000×10^{15}
IDC Error ellipse: s-maj=15.3km s-min=11.5km az=105.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=4.0km az=180.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.0km az=153.0. Recorded [1 JMA] in Chiba, Fukushima, Ibaraki and Tochigi. Moment Tensor Solution. $M_0$4.50000×10^{15}
MOS Error ellipse: s-maj=9.2km s-min=6.1km az=105.9.

ISC	**VIII**	**31 05 04 24.8–1.4**	**39.21N–.06**	**142.8E–.20**	**40–12**	**3.5b**	**25**	**1-59**	
NIED	VIII	31 05 04 00	39.10N	142.90E	23	3.7W			**¶11747554**
NEIC	VIII	31 05 04 21.6	39.14N	142.90E	26	3.7			
JMA	VIII	31 05 04 21.6–.20	39.14N	142.90E	26–2	3.7			
ISCJB	VIII	31 05 04 22.3–1.5	39.20N–.06	142.9E–.10	42–12	3.5b			
IDC	VIII	31 05 04 23.9–3.0	39.21N	143.09E	48–27	3.5L,3.5			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ75.00000°,λ98.00000°. NP2:ϕ_s180.00000°,δ17.00000°,λ62.00000°. $M_0$4.24000×10^{14}							
NEIC		Event type se. After JMA.							
JMA		Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.							
ISCJB		Event type se. Error ellipse: s-maj=20.4km s-min=7.1km az=21.0.							
IDC		Error ellipse: s-maj=46.2km s-min=19.3km az=94.0.							
ISC	**IX**	**04 12 43 43.4–1.5**	**36.98N–.03**	**141.74E–.04**	**18–9**	**4.5b**	**97**	**1-95**	
NIED	IX	04 12 43 00	37.00N	141.80E	20	4.2W			**¶13393412**
IDC	IX	04 12 43 40.5–.58	36.94N	141.65E	0	4.3,4.3			
ISCJB	IX	04 12 43 42.5–.91	36.95N–.03	141.80E–.05	27–5	4.5b,4.3			
MOS	IX	04 12 43 43.3–1.1	36.95N	141.68E	33	4.8b,4.3			
JMA	IX	04 12 43 44.7–.20	36.98N	141.65E	50–3	4.4,4.3			
NEIC	IX	04 12 43 44.7	36.98N	141.65E	50	4.6b,4.2W			
BJI	IX	04 12 43 44.3	36.81N	141.39E	29	4.8b,4.8b			
ISC		Event type fe.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ73.00000°,λ91.00000°. NP2:ϕ_s200.00000°,δ17.00000°,λ88.00000°. $M_0$2.25000×10^{15}							
IDC		Error ellipse: s-maj=15.9km s-min=12.1km az=106.0.							
ISCJB		Event type fe. Error ellipse: s-maj=6.2km s-min=4.8km az=12.8.							
MOS		Error ellipse: s-maj=10.9km s-min=8.6km az=113.9.							
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.							
NEIC		Event type se. After JMA. Moment Tensor Solution. $M_0$2.30000×10^{15}							
ISC	**IX**	**06 07 29 17.0–.50**	**35.30N–.02**	**141.06E–.03**	**28–3**	**4.7b,4.1s**	**238**	**0-148**	
NIED	IX	06 07 29 00	35.30N	141.30E	23	4.6W,4.1s			**¶13393565**
BJI	IX	06 07 29 09.9	35.45N	141.38E	10	4.7b,4.7b			
IDC	IX	06 07 29 12.5–.49	35.28N	140.97E	0	4.5,4.4			
NEIC	IX	06 07 29 14.4–.24	35.34N	140.96E	10	4.8b,4.6W			
JMA	IX	06 07 29 14.8–.10	35.36N	141.25E	40–2	4.7,4.6W			
ISCJB	IX	06 07 29 16.4–.51	35.30N–.03	141.08E–.04	36–4	4.7b,4.1s			
SZGRF	IX	06 07 29 17.6	35.39N	142.05E	33	5.3b,4.3s			
MOS	IX	06 07 29 18.6–1.0	35.80N	141.00E	33	4.9b,4.3s			
ISC		Event type fe.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s216.00000°,δ85.00000°,λ-69.00000°. NP2:ϕ_s319.00000°,δ22.00000°,λ-166.00000°. $M_0$9.28000×10^{15}							
IDC		Error ellipse: s-maj=15.2km s-min=12.0km az=100.0.							
NEIC		Event type fe. Error ellipse: s-maj=6.5km s-min=5.7km az=123.0. Recorded [2 JMA] in Chiba. Moment Tensor Solution. $M_0$9.30000×10^{15}							
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISCJB		Event type fe. Error ellipse: s-maj=5.1km s-min=4.5km az=17.2.							
SZGRF		Off east coast of Honshu, Japan.							
MOS		Error ellipse: s-maj=9.6km s-min=5.5km az=110.1.							
ISC	**IX**	**07 06 39 38.1–1.5**	**36.05N–.05**	**141.4E–.10**	**28–10**	**3.1b**	**17**	**1-56**	
ISCJB	IX	07 06 39 38.2–1.1	36.03N–.05	141.3E–.10	43–11	3.1b			**¶11909693**
JMA	IX	07 06 39 38.6–.10	36.05N	141.25E	42–2	2.8			
IDC	IX	07 06 39 38.8–9.4	36.01N	141.47E	32–64	3.5,3.4			
ISCJB		Error ellipse: s-maj=15.4km s-min=8.1km az=174.9.							
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
IDC		Error ellipse: s-maj=75.3km s-min=25.7km az=65.0.							
ISC	**IX**	**08 00 25 47.8–.59**	**36.39N–.03**	**141.10E–.06**	**43–6**	**3.9b**	**40**	**0-56**	
NIED	IX	08 00 25 00	36.30N	141.10E	41	3.5W			**¶11747654**
ISCJB	IX	08 00 25 46.7–.57	36.38N–.03	141.11E–.05	53–4	3.9b			
IDC	IX	08 00 25 47.6–5.1	36.37N	141.17E	33–44	3.8,3.8			
JMA	IX	08 00 25 48.1–.10	36.37N	141.02E	47–1	3.6,3.8			
NEIC	IX	08 00 25 49.4–1.3	36.41N	140.96E	58–11	4.1b,3.8			
ISC		Event type fe.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s74.00000°,δ77.00000°,λ108.00000°. NP2:ϕ_s199.00000°,δ22.00000°,λ37.00000°. $M_0$2.34000×10^{14}							
ISCJB		Event type fe. Error ellipse: s-maj=7.4km s-min=5.1km az=179.8.							
IDC		Error ellipse: s-maj=28.4km s-min=20.2km az=93.0.							
JMA		Event type fe.							
NEIC		Event type se. Error ellipse: s-maj=13.6km s-min=10.9km az=103.0.							
ISC	**IX**	**09 23 57 17.0–.47**	**40.26N–.03**	**141.98E–.07**	**68–3**	**4.0b**	**77**	**0-75**	
NIED	IX	09 23 57 00	40.30N	142.10E	59	3.9W			**¶11255602**
ISCJB	IX	09 23 57 15.7–.48	40.27N–.03	142.02E–.07	74–3	4.0b			
BJI	IX	09 23 57 15.8	40.53N	142.22E	74	4.4b,4.4b			
JMA	IX	09 23 57 16.6	40.27N	142.09E	59–1	3.8,4.4b			
MOS	IX	09 23 57 16.8–1.0	40.31N	141.93E	81	4.1b,4.4b			
NEIC	IX	09 23 57 18.7–.51	40.24N	141.96E	87–4	4.3b,4.4b			
IDC	IX	09 23 57 18.9–2.4	40.23N	141.97E	87–22	3.8,3.7b			
ISC		Event type fe.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s113.00000°,δ79.00000°,λ108.00000°. NP2:ϕ_s233.00000°,δ21.00000°,λ32.00000°. $M_0$7.44000×10^{14}							
ISCJB		Event type fe. Error ellipse: s-maj=8.6km s-min=5.3km az=15.9.							
JMA		Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s37.00000°,δ17.00000°,λ101.00000°. NP2:ϕ_s205.00000°,δ73.00000°,λ87.00000°. Principal axes: T Plg62.0000°,Azm110.0000°; N Plg3.0000°,Azm206.0000°; P Plg28.0000°,Azm298.0000°							
MOS		Error ellipse: s-maj=11.2km s-min=7.9km az=85.4.							
NEIC		Event type fe. Error ellipse: s-maj=7.8km s-min=4.7km az=117.0. Recorded [3 JMA] in Aomori and [2 JMA] in Iwate.							
IDC		Error ellipse: s-maj=21.0km s-min=15.9km az=111.0.							
ISC	**IX**	**11 03 14 02.3–.16**	**36.48N–.02**	**141.08E–.03**	**44**	**4.8b,4.8s**	**410**	**0-147**	
BJI	IX	11 03 13 58.0	36.53N	141.36E	39	5.3b,4.9b			**¶13732078**
SZGRF	IX	11 03 13 58.6	36.80N	141.34E	44	4.9b,4.9b			
ISCJB	IX	11 03 14 00.4–.16	36.46N–.02	141.12E–.03	42	4.8b,4.8s			
JMA	IX	11 03 14 00.9–.10	36.45N	141.11E	47–2	4.6,4.8s			
NIED	IX	11 03 14 00	36.50N	141.10E	35	4.6W,4.8s			
IDC	IX	11 03 14 01.2–2.5	36.43N	141.07E	37–21	4.8L,4.6			
MOS	IX	11 03 14 01.0–.78	36.78N	140.97E	33	5.1b,4.8s			
NEIC	IX	11 03 14 01.7–.63	36.47N	141.08E	38–5	4.9b,4.6W			
ISC		Event type fe.							
SZGRF		Near east coast of eastern Honshu, Japan.							
ISCJB		Event type fe. Error ellipse: s-maj=3.5km s-min=2.8km az=158.8.							
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s200.00000°,δ18.00000°,λ95.00000°. NP2: ϕ_s15.00000°,δ72.00000°,λ88.00000°. Principal axes: T Plg63.0000°,Azm282.0000° ; N Plg2.0000°,Azm15.0000°; P Plg27.0000°,Azm106.0000°							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ76.00000°,λ92.00000°. NP2:ϕ_s203.00000°,δ14.00000°,λ81.00000°. $M_0$9.92000×10^{15}							
IDC		Error ellipse: s-maj=12.5km s-min=11.0km az=110.0.							
MOS		Error ellipse: s-maj=7.8km s-min=4.7km az=107.3.							
NEIC		Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=151.0. Recorded [2 JMA] in Chiba, Fukushima, Ibaraki and Tochigi; [1 JMA] in Gumma, Miyagi and Saitama. Moment Tensor Solution. $M_0$9.90000×10^{15}							
ISC	**IX**	**11 09 01 52.0–1.2**	**37.41N–.04**	**141.42E–.08**	**33–5**		**22**	**0-3**	
NIED	IX	11 09 01 00	37.40N	141.30E	53	3.6W			**¶11747686**
ISCJB	IX	11 09 01 51.8–1.1	37.41N–.04	141.42E–.08	33–29	3.6W			
JMA	IX	11 09 01 52.8–.10	37.42N	141.30E	47–1	3.7			
ISC		Event type fe.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ89.00000°,λ-172.00000°. NP2:ϕ_s184.00000°,δ82.00000°,λ-1.00000°. $M_0$2.78000×10^{14}							
ISCJB		Event type fe. Error ellipse: s-maj=11.9km s-min=5.7km az=21.3.							
JMA		Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s205.00000°,δ18.00000°,λ22.00000°. NP2:ϕ_s94.00000°,δ83.00000°,λ107.00000°. Principal axes: T Plg49.0000°,Azm22.0000°; N Plg17.0000°,Azm272.0000°; P Plg36.0000°,Azm169.0000°							
ISC	**IX**	**11 16 03 49.4–.47**	**40.72N–.03**	**142.83E–.06**	**55–5**	**3.8b**	**69**	**1-74**	
NIED	IX	11 16 03 00	40.70N	142.80E	83	4.0W			**¶11747696**
MOS	IX	11 16 03 45.4–1.6	40.60N	142.94E	33	4.4b			
ISCJB	IX	11 16 03 48.3–.51	40.71N–.03	142.82E–.07	64–5	3.8b			
JMA	IX	11 16 03 49.1–.10	40.71N	142.79E	43	4.2			
IDC	IX	11 16 03 49.4–2.3	40.70N	142.92E	62–21	3.7,3.5			
NEIC	IX	11 16 03 49.6–.82	40.69N	142.93E	64–7	4.2b,3.5			
ISC		Event type fe.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s325.00000°,δ68.00000°,λ88.00000°. NP2:ϕ_s149.00000°,δ22.00000°,λ94.00000°. $M_0$1.26000×10^{15}							
MOS		Error ellipse: s-maj=14.6km s-min=8.5km az=77.9.							
ISCJB		Event type fe. Error ellipse: s-maj=9.5km s-min=3.7km az=29.1.							
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s176.00000°,δ19.00000°,λ64.00000°. NP2: ϕ_s23.00000°,δ73.00000°,λ98.00000°. Principal axes: T Plg61.0000°,Azm305.0000° ; N Plg8.0000°,Azm200.0000°; P Plg28.0000°,Azm106.0000°							
IDC		Error ellipse: s-maj=23.8km s-min=13.0km az=105.0.							
NEIC		Event type fe. Error ellipse: s-maj=14.4km s-min=7.1km az=112.0. Recorded [1 JMA] in Aomori. Also recorded [1 JMA] in southwestern Hokkaido.							
ISC	**IX**	**12 08 08 59.3–.44**	**36.38N–.04**	**140.24E–.06**	**110–3**	**3.8b**	**39**	**0-76**	
ISCJB	IX	12 08 08 58.2–.45	36.37N–.04	140.26E–.06	115–3	3.8b			**¶11747704**
JMA	IX	12 08 09 00.0–.10	36.39N	140.17E	104–1	3.5			
IDC	IX	12 08 09 00.0–1.6	36.30N	140.18E	117–14	3.5,3.4b			
NIED	IX	12 08 09 00	36.40N	140.20E	110	3.8W,3.4b			
NEIC	IX	12 08 09 00.0	36.39N	140.17E	104	4.1b,3.4b			
ISC		Event type fe.							
ISCJB		Event type fe. Error ellipse: s-maj=7.7km s-min=5.9km az=17.3.							
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
IDC		Error ellipse: s-maj=23.6km s-min=8.8km az=64.0.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ76.00000°,λ-104.00000°. NP2:ϕ_s53.00000°,δ20.00000°,λ-46.00000°. $M_0$5.07000×10^{14}							
NEIC		Event type se. After JMA.							
ISC	**IX**	**12 21 05 20.5–.43**	**34.62N–.04**	**140.85E–.05**	**68–2**	**4.0b**	**63**	**0-80**	
NIED	IX	12 21 05 00	34.60N	141.00E	68	4.2W			**¶11747715**
IDC	IX	12 21 05 18.4–1.6	34.66N	140.96E	50–14	4.5L,3.9			
JMA	IX	12 21 05 18.6–.10	34.64N	140.92E	79–1	4.3,3.9			
NEIC	IX	12 21 05 18.6–1.0	34.72N	141.03E	53–8	4.3b,3.9			
ISCJB	IX	12 21 05 19.4–.45	34.63N–.04	140.85E–.05	76–2	4.0b,3.9			
ISC		Event type fe.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s328.00000°,δ90.00000°,λ37.00000°. NP2:ϕ_s238.00000°,δ53.00000°,λ180.00000°. $M_0$2.51000×10^{15}							
JMA		Event type fe.							
NEIC		Event type fe. Recorded [1 JMA] in Shizuoka. Also recorded [1 JMA] on O-shima.							
ISCJB		Event type fe.							
ISC	**IX**	**14 10 43 39.9–.61**	**34.44N–.03**	**140.60E–.05**	**41–9**	**3.1b**	**31**	**0-54**	
JMA	IX	14 10 43 38.7–.10	34.46N	140.63E	54–2	2.4			**¶11910253**
ISCJB	IX	14 10 43 39.0–.68	34.44N–.03	140.61E–.05	51–6	3.1b			
IDC	IX	14 10 43 41.2–3.3	34.40N	140.48E	49–26	3.2,3.0L			
JMA		Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
ISCJB		Error ellipse: s-maj=7.4km s-min=5.4km az=169.4.							
IDC		Error ellipse: s-maj=45.9km s-min=7.6km az=82.0.							
ISC	**IX**	**15 16 16 45.3–.61**	**35.36N–.04**	**140.36E–.06**	**61–5**	**3.4b**	**25**	**0-59**	
ISCJB	IX	15 16 16 44.4–.63	35.35N–.04	140.37E–.06	69–5	3.4b			**¶11910344**
IDC	IX	15 16 16 44.3–1.4	34.62N	138.11E	0	3.5,3.4			
JMA	IX	15 16 16 45.4–.10	35.41N	140.40E	56–2	2.6,3.4			
ISCJB		Error ellipse: s-maj=8.6km s-min=5.3km az=154.1.							
IDC		Error ellipse: s-maj=43.9km s-min=19.2km az=82.0.							
JMA		Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
ISC	**IX**	**15 20 24 41.7–.41**	**34.91N–.03**	**140.25E–.04**	**89–3**	**3.3b**	**45**	**0-149**	
NIED	IX	15 20 24 00	34.90N	140.20E	80	3.6W			**¶11747745**
ISCJB	IX	15 20 24 40.5–.41	34.91N–.03	140.27E–.04	95–3	3.3b			
JMA	IX	15 20 24 40.9–.10	34.92N	140.24E	91–2	3.5			
IDC	IX	15 20 24 41.1–1.5	34.89N	140.33E	83–13	3.5,3.3			
NEIC	IX	15 20 24 42.5–1.7	34.89N	140.16E	92–15	3.5,3.3			
ISC		Event type se.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s126.00000°,δ53.00000°,λ-105.00000°. NP2:ϕ_s330.00000°,δ40.00000°,λ-71.00000°. $M_0$3.29000×10^{14}							
ISCJB		Event type se. Error ellipse: s-maj=6.4km s-min=5.0km az=136.8.							
JMA		Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
IDC		Error ellipse: s-maj=23.7km s-min=7.2km az=76.0.							
NEIC		Event type se. Error ellipse: s-maj=32.1km s-min=14.7km az=69.0.							
ISC	**IX**	**21 05 15 28.0–1.7**	**37.19N–.04**	**141.71E–.05**	**17–11**	**3.8b,3.3s**	**33**	**1-74**	
NIED	IX	21 05 15 00	37.10N	141.60E	32	3.8W,3.3s			**¶11747803**
IDC	IX	21 05 15 24.9–1.4	37.08N	141.75E	0	3.9,3.8b			
ISCJB	IX	21 05 15 27.4–1.1	37.17N–.04	141.77E–.06	28–6	3.8b,3.3s			
JMA	IX	21 05 15 29.4–.20	37.14N	141.63E	43–2	4.0,3.3s			
NEIC	IX	21 05 15 29.4	37.14N	141.63E	43	4.5b,3.8W			
ISC		Event type fe.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s92.00000°,δ69.00000°,λ-148.00000°. NP2:ϕ_s349.00000°,δ60.00000°,λ-24.00000°. $M_0$5.65000×10^{14}							
IDC		Error ellipse: s-maj=29.8km s-min=25.5km az=153.0.							
ISCJB		Event type fe. Error ellipse: s-maj=8.9km s-min=6.1km az=40.6.							
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
NEIC		Event type fe. Recorded [2 JMA] in Fukushima. After JMA. Moment Tensor Solution. $M_0$5.70000×10^{14}							
ISC	**IX**	**21 16 44 07.7–.62**	**35.55N–.04**	**140.07E–.06**	**74–5**	**3.4b**	**29**	**0-59**	
IDC	IX	21 16 44 04.9–1.6	34.84N	137.61E	0	3.7L,3.5			**¶11910774**
ISCJB	IX	21 16 44 06.8–.63	35.55N–.04	140.07E–.06	80–5	3.4b,3.5			
JMA	IX	21 16 44 07.8–.20	35.62N	140.05E	69–2	3.2,3.5			
ISC		Event type fe.							
IDC		Error ellipse: s-maj=53.8km s-min=24.5km az=98.0.							
ISCJB		Event type fe. Error ellipse: s-maj=8.5km s-min=5.1km az=145.1.							
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
ISC	**IX**	**21 23 49 10.0–1.4**	**37.75N–.04**	**141.83E–.08**	**13–5**		**22**	**1-3**	
NIED	IX	21 23 49 00	37.70N	141.80E	59	3.5W			**¶11747815**
JMA	IX	21 23 49 11.2–.10	37.74N	141.82E	38–2	3.6			
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s216.00000°,δ88.00000°,λ68.00000°. NP2:ϕ_s120.00000°,δ22.00000°,λ174.00000°. $M_0$1.87000×10^{14}							
JMA		Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
ISC	**IX**	**22 20 43 37.2–.98**	**36.72N–.03**	**141.33E–.06**	**27–5**	**3.7b**	**35**	**1-60**	
NIED	IX	22 20 43 00	36.70N	141.20E	44	3.7W			**¶11747828**
IDC	IX	22 20 43 32.9–1.4	36.65N	141.47E	0	3.7,3.7b			
ISCJB	IX	22 20 43 35.8–.97	36.69N–.03	141.40E–.06	31–5	3.7b,3.7b			
NEIC	IX	22 20 43 37.6–1.1	36.69N	141.41E	35	4.4b,3.7b			
JMA	IX	22 20 43 38.3–.10	36.72N	141.20E	46–1	3.7,3.7b			
ISC		Event type fe.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ83.00000°,λ-86.00000°. NP2:ϕ_s0.00000°,δ8.00000°,λ-118.00000°. $M_0$4.42000×10^{14}							
IDC		Error ellipse: s-maj=30.5km s-min=18.7km az=74.0.							
ISCJB		Event type fe. Error ellipse: s-maj=7.9km s-min=5.8km az=11.3.							
NEIC		Event type se. Error ellipse: s-maj=23.3km s-min=15.6km az=50.0.							
JMA		Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
ISC	**IX**	**23 13 26 53.1–.63**	**38.74N–.04**	**142.26E–.05**	**40–4**	**4.4b,3.7s**	**135**	**1-145**	
NIED	IX	23 13 26 00	38.70N	142.30E	44	4.3W,3.7s			**¶13395025**
BJI	IX	23 13 26 48.1	38.79N	143.03E	60	5.1b,4.7b			
ISCJB	IX	23 13 26 51.9–.68	38.72N–.04	142.26E–.06	49–4	4.4b,3.7s			
MOS	IX	23 13 26 51.4–.85	38.82N	142.07E	33	4.5b,3.7s			
JMA	IX	23 13 26 52.1–.10	38.70N	142.28E	38–2	4.3,3.7s			
NEIC	IX	23 13 26 53.2–.34	38.73N	142.24E	42	4.8b,4.3W			
IDC	IX	23 13 26 53.1–.63	38.62N	142.16E	42–6	4.1,4.0			
ISC		Event type fe.							
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ71.00000°,λ97.00000°. NP2:ϕ_s192.00000°,δ20.00000°,λ72.00000°. $M_0$3.61000×10^{15}							
ISCJB		Event type fe. Error ellipse: s-maj=8.8km s-min=5.1km az=29.0.							
MOS		Error ellipse: s-maj=11.1km s-min=6.8km az=110.9.							
JMA		Event type fe.							
NEIC		Event type fe. Error ellipse: s-maj=8.1km s-min=5.2km az=127.0. Recorded [2 JMA] in Miyagi and [1 JMA] in Fukushima and Iwate. Moment Tensor Solution. $M_0$3.60000×10^{15}							
IDC		Error ellipse: s-maj=14.4km s-min=10.2km az=106.0.							
JMA	**IX**	**23 13 58 28.2–.10**	**38.70N**	**142.27E**	**36–2**	**3.5**			
NIED	IX	23 13 58 00	38.70N	142.30E	35	3.7W			**¶11747838**
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s296.00000°,δ74.00000°,λ-85.00000°. NP2:ϕ_s100.00000°,δ17.00000°,λ-105.00000°. $M_0$4.40000×10^{14}							
ISC	**IX**	**25 01 36 44.0–.53**	**36.47N–.04**	**140.64E–.06**	**54–4**	**3.8b**	**37**	**0-83**	
NIED	IX	25 01 36 00	36.50N	140.60E	59	4.0W			**¶13395132**
ISCJB	IX	25 01 36 42.7–.55	36.46N–.04	140.69E–.06	60–3	3.8b			
JMA	IX	25 01 36 44.1–.10	36.46N	140.59E	55–1	3.9			
NEIC	IX	25 01 36 44.1	36.46N	140.60E	55	4.0b			
IDC	IX	25 01 36 45.0–3.0	36.42N	140.56E	64–26	3.7,3.6			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ68.00000°,λ84.00000°. NP2:ϕ_s212.00000°,δ22.00000°,λ105.00000°. $M_0$9.75000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=5.6km az=29.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s188.00000°,δ25.00000°,λ83.00000°. NP2: ϕ_s15.00000°,δ65.00000°,λ93.00000°. Principal axes: T Plg70.0000°,Azm292.0000° ; N Plg3.0000°,Azm194.0000°; P Plg20.0000°,Azm103.0000°
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=34.6km s-min=13.9km az=73.0.

ISC	**IX**	**26 16 53 27.5–.10**	**40.53N–.02**	**142.83E–.02**	**44**	**5.2b,4.7s**	**891**	**1-155**
NIED	IX	26 16 53 00	40.50N	142.90E	29	5.0W,4.7s		¶13395260
BJI	IX	26 16 53 23.3	40.44N	142.79E	30	5.3b,5.1b		
JMA	IX	26 16 53 23.6–.10	40.49N	142.92E	17–2	5.0,5.1b		
MOS	IX	26 16 53 25.5–.89	40.67N	142.71E	33	5.4b,4.7s		
ISCJB	IX	26 16 53 25.5–.10	40.50N–.02	142.87E–.02	42	5.2b,4.7s		
IDC	IX	26 16 53 26.7–.44	40.47N	142.86E	41–3	4.7,4.7		
NEIC	IX	26 16 53 26.9–.54	40.49N	142.80E	39–4	5.2b,4.9W		
GCMT	IX	26 16 53 28.7–.30	40.58N	143.00E	38–1	5.0W,4.9W		
SZGRF	IX	26 16 53 33.2	41.81N	143.24E	33	5.2b,4.7s		
DJA	IX	26 16 53 38	40.49N	142.54E	128	5.3b,4.7s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ72.00000°,λ100.00000°. NP2:ϕ_s181.00000°,δ20.00000°,λ61.00000°. $M_0$3.18000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=3.8km az=105.5.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.8km az=143.1.
IDC Error ellipse: s-maj=13.1km s-min=9.7km az=110.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=145.0. Recorded [2 JMA] in Aomori and Iwate and [1 JMA] in Akita and Miyagi. Also recorded [2 JMA] in southwestern Hokkaido. Moment Tensor Solution. $M_0$3.20000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s45,c64; s70,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}3.24±.17 $M_{\theta\theta}$-0.16±.11; $M_{\phi\phi}$-3.08±.11; $M_{r\theta}$1.68±.11; $M_{\theta\phi}$-1.17±.08; $M_{\phi r}$2.68±.11; Best double couple: NP1:ϕ_s190.00000°,δ24.00000°,λ73.00000°. NP2:ϕ_s28.00000°,δ67.00000°,λ98.00000°. Principal axes: T 4.5400,Plg67.0000° ,Azm312.0000°; N 0.1600,Plg7.0000°,Azm205.0000°; P -4.7100,Plg21.0000°,Azm113.0000° $M_0$4.60000×10^{16}
SZGRF Hokkaido, Japan, region.

ISC	**IX**	**27 15 37 09.3–2.1**	**35.98N–.05**	**141.3E–.10**	**16–10**	**3.4b**	**13**	**0-60**
IDC	IX	27 15 37 05.7–2.7	36.04N	141.67E	0	3.5,3.4b		¶11911210
ISCJB	IX	27 15 37 08.6–2.3	35.96N–.05	141.4E–.20	26–12	3.4b,3.4b		
JMA	IX	27 15 37 09.8–.10	35.94N	141.30E	29–2	2.9,3.4b		

IDC Error ellipse: s-maj=55.9km s-min=26.8km az=50.0.
ISCJB Error ellipse: s-maj=22.1km s-min=9.1km az=177.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**IX**	**27 23 42 33.0–.84**	**36.42N–.04**	**141.10E–.08**	**38–9**	**3.4b**	**30**	**0-56**
NIED	IX	27 23 42 00	36.40N	141.00E	35	3.6W		¶11747893
ISCJB	IX	27 23 42 31.1–.87	36.41N–.04	141.20E–.08	45–9	3.4b		
JMA	IX	27 23 42 32.8–.10	36.40N	141.03E	47–1	3.7		
IDC	IX	27 23 42 32.9–1.9	36.39N	141.17E	44–19	3.5,3.5		
NEIC	IX	27 23 42 33.9–1.7	36.34N	141.08E	54–14	3.7,3.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s6.00000°,δ79.00000°,λ75.00000°. NP2: ϕ_s240.00000°,δ19.00000°,λ143.00000°. $M_0$2.67000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.3km s-min=5.5km az=24.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=17.0km s-min=11.7km az=82.0.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=13.0km az=141.0.

ISC	**X**	**02 19 56 38.4–1.2**	**38.08N–.05**	**142.3E–.10**	**42–13**	**3.5b**	**25**	**1-58**
NIED	X	02 19 56 00	38.00N	142.20E	35	3.5W		¶11747964
ISCJB	X	02 19 56 36.6–1.2	38.06N–.06	142.3E–.10	47–12	3.5b		
JMA	X	02 19 56 37.5–.20	38.01N	142.20E	40–2	3.6		
IDC	X	02 19 56 38.5–2.4	38.10N	142.39E	49–23	3.6,3.6		

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ73.00000°,λ85.00000°. NP2: ϕ_s205.00000°,δ17.00000°,λ105.00000°. $M_0$2.28000×10^{14}
ISCJB Error ellipse: s-maj=15.7km s-min=7.3km az=25.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=45.0km s-min=16.4km az=98.0.

ISC	**X**	**05 05 19 48.9–.51**	**34.29N–.03**	**140.36E–.05**	**82–4**	**3.6b**	**47**	**1-58**
ISCJB	X	05 05 19 47.8–.53	34.29N–.03	140.37E–.05	90–4	3.6b		¶12065970
IDC	X	05 05 19 48.1–1.8	34.32N	140.49E	80–13	3.6,3.5		
NEIC	X	05 05 19 49.1	34.32N	140.33E	77	3.1,3.5		
JMA	X	05 05 19 49.1–.20	34.32N	140.33E	77–2	3.1,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.9km az=170.8.
IDC Error ellipse: s-maj=29.8km s-min=7.0km az=79.0.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**X**	**08 06 07 50.3–.26**	**35.51N–.02**	**140.05E–.03**	**56–2**	**4.8b,4.0s**	**689**	**0-118**
NIED	X	08 06 07 00	35.60N	140.20E	62	4.8W,4.0s		¶13396364
BJI	X	08 06 07 39.7	35.50N	141.03E	35	4.9b,4.7b		
SZGRF	X	08 06 07 43.2	34.86N	141.04E	33	5.2b,4.7b		
MOS	X	08 06 07 48.0–1.2	35.56N	140.04E	55	5.1b,4.7b		
JMA	X	08 06 07 48.7–.20	35.58N	140.14E	63–2	4.7,4.7b		
NEIC	X	08 06 07 48.5–.65	35.50N	140.07E	44–5	4.9b,4.8W		
IDC	X	08 06 07 49.8–.45	35.47N	140.10E	62–4	4.4,4.3		
ISCJB	X	08 06 07 49.4–.26	35.50N–.03	140.05E–.02	62–2	4.8b,4.3		
GCMT	X	08 06 07 51.7–.40	35.56N	140.33E	58–2	4.9W,4.3		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s257.00000°,δ90.00000°,λ55.00000°. NP2:ϕ_s167.00000°,δ35.00000°,λ180.00000°. $M_0$1.76000×10^{16}
SZGRF Off east coast of Honshu, Japan.
MOS Error ellipse: s-maj=8.7km s-min=5.5km az=105.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s191.00000°,δ29.00000°,λ-148.00000°. NP2: ϕ_s73.00000°,δ75.00000°,λ-65.00000°. Principal axes: T Plg26.0000°,Azm143.0000° ; N Plg24.0000°,Azm246.0000°; P Plg53.0000°,Azm13.0000°
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.9km az=149.0. Felt at Tokyo and Yokosuka. Recorded [3 JMA] in Chiba and Kanagawa; [2 JMA] in Ibaraki, Saitama, Shizuoka, Tochigi and Tokyo; [1 JMA] in Gumma, Nagano and Yamanashi. Also recorded [1 JMA] on Miyake-jima. Moment Tensor Solution. $M_0$1.80000×10^{16}
IDC Error ellipse: s-maj=9.9km s-min=6.0km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=9.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s25,c29; s69,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.82±.18 $M_{\theta\theta}$0.33±.14; $M_{\phi\phi}$0.49±.13; $M_{r\theta}$-1.50±.08; $M_{\theta\phi}$2.20±.09; $M_{\phi r}$0.03±.09; Best double couple: NP1:ϕ_s183.00000°,δ53.00000°,λ-165.00000°. NP2:ϕ_s83.00000°,δ78.00000°,λ-38.00000°. Principal axes: T 2.9100,Plg16.0000° ,Azm138.0000°; N -0.3400,Plg50.0000°,Azm249.0000°; P -2.5700,Plg35.0000° ,Azm36.0000° $M_0$2.70000×10^{16}

ISC	**X**	**12 01 04 42.1–.47**	**35.31N–.03**	**140.34E–.06**	**31–3**	**4.0b**	**54**	**0-82**
NIED	X	12 01 04 00	35.40N	140.40E	26	4.0W		¶11748604
IDC	X	12 01 04 37.3–.70	35.39N	140.47E	0	4.1,4.0		
ISCJB	X	12 01 04 41.2–.47	35.33N–.03	140.36E–.06	37–4	4.0b,4.0		
JMA	X	12 01 04 41.8–.10	35.39N	140.34E	26–2	4.2,4.0		
NEIC	X	12 01 04 42.0–.40	35.43N	140.42E	30	4.5b,4.0W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ73.00000°,λ91.00000°. NP2:ϕ_s246.00000°,δ17.00000°,λ88.00000°. $M_0$1.19000×10^{15}
IDC Error ellipse: s-maj=21.9km s-min=15.2km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=5.1km az=156.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=7.9km az=57.0. Recorded [3 JMA] in Chiba and [1 JMA] in Ibaraki and Tokyo. Moment Tensor Solution. $M_0$1.20000×10^{15}

ISC	**X**	**12 22 14 02.1–.99**	**37.27N–.04**	**141.71E–.09**	**41–9**	**3.7b**	**38**	**1-57**
IDC	X	12 22 13 55.2–2.0	37.37N	142.06E	0	3.7,3.6		¶12068498
ISCJB	X	12 22 14 00.6–.00	37.25N–.04	141.76E–.10	49–8	3.7b,3.6		
NEIC	X	12 22 14 00.8–1.1	37.29N	141.83E	35	4.3b,3.6		
JMA	X	12 22 14 01.8–.10	37.28N	141.67E	44–3	3.5,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=25.4km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.3km az=8.9.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=15.2km az=64.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**X**	**13 09 02 60.0–.77**	**35.66N–.06**	**140.21E–.10**	**73–7**	**3.6b**	**20**	**0-59**
IDC	X	13 09 02 46.5–2.6	36.14N	141.38E	0	3.7L,3.7		¶12068543
ISCJB	X	13 09 02 59.0–.78	35.65N–.06	140.21E–.10	82–7	3.6b,3.7		
JMA	X	13 09 03 00.3–.10	35.73N	140.21E	63–2	2.7,3.7		

IDC Error ellipse: s-maj=61.3km s-min=26.6km az=58.0.
ISCJB Error ellipse: s-maj=15.1km s-min=7.7km az=148.9.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**X**	**14 03 37 46.3–.51**	**35.32N–.04**	**140.35E–.07**	**28–3**	**4.2b,3.7s**	**68**	**0-93**
NIED	X	14 03 37 00	35.40N	140.40E	29	4.3W,3.7s		¶11360172
IDC	X	14 03 37 42.4–.58	35.34N	140.24E	0	4.7L,4.4		
ISCJB	X	14 03 37 45.6–.49	35.33N–.04	140.36E–.07	36–4	4.2b,3.7s		
NEIC	X	14 03 37 46.2	35.40N	140.33E	27	4.5b,4.2W		
JMA	X	14 03 37 46.1–.10	35.40N	140.33E	27–2	4.3,4.2W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ69.00000°,λ93.00000°. NP2:ϕ_s232.00000°,δ21.00000°,λ82.00000°. $M_0$2.89000×10^{15}
IDC Error ellipse: s-maj=18.8km s-min=12.9km az=66.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=5.6km az=158.0.
NEIC Event type fe. Recorded [4 JMA] in Chiba and [1 JMA] in Ibaraki, Kanagawa, Shizuoka and Tokyo. After JMA. Moment Tensor Solution. $M_0$2.90000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s257.00000°,δ30.00000°,λ86.00000°. NP2: ϕ_s82.00000°,δ60.00000°,λ93.00000°. Principal axes: T Plg75.0000°,Azm359.0000° ; N Plg2.0000°,Azm261.0000°; P Plg15.0000°,Azm170.0000°

ISC	**X**	**14 07 49 14.9–1.7**	**38.70N–.05**	**142.2E–.10**	**24–8**		**18**	**1-4**
NIED	X	14 07 49 00	38.70N	142.20E	35	3.5W		¶11748787
JMA	X	14 07 49 15.3–.10	38.68N	142.16E	29–2	4.0		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ75.00000°,λ71.00000°. NP2:ϕ_s64.00000°,δ25.00000°,λ140.00000°. $M_0$1.92000×10^{14}
JMA Event type fe.

JMA	**X**	**14 08 34 47.5–.10**	**38.68N**	**142.16E**	**29–2**	**3.7**		¶14111237
JMA	**X**	**15 01 06 16.8–.10**	**40.32N**	**142.33E**	**37–1**	**3.7**		
NIED	X	15 01 06 00	40.30N	142.30E	53	3.5W		¶11748831

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ75.00000°,λ97.00000°. NP2:ϕ_s170.00000°,δ17.00000°,λ65.00000°. $M_0$1.81000×10^{14}

ISC	**X**	**16 00 23 18.4–.43**	**35.37N–.03**	**140.32E–.05**	**31–3**	**4.0b,3.3s**	**76**	**0-79**
NIED	X	16 00 23 00	35.40N	140.40E	26	4.1W,3.3s		¶11360175
IDC	X	16 00 23 14.3–.71	35.38N	140.24E	0	4.5L,4.1		
ISCJB	X	16 00 23 17.5–.38	35.38N–.03	140.33E–.05	39–3	4.0b,3.3s		
NEIC	X	16 00 23 18.7–1.9	35.43N	140.27E	30–13	4.4b,3.3s		
JMA	X	16 00 23 18.3–.10	35.41N	140.33E	28–2	4.2,3.3s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s67.00000°,δ71.00000°,λ89.00000°. NP2:ϕ_s250.00000°,δ19.00000°,λ93.00000°. $M_0$1.37000×10^{15}
IDC Error ellipse: s-maj=22.6km s-min=14.7km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.4km az=159.5.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=5.4km az=110.0. Recorded [3 JMA] in Chiba and [1 JMA] in Ibaraki.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s229.00000°,δ45.00000°,λ32.00000°. NP2: ϕ_s115.00000°,δ68.00000°,λ130.00000°. Principal axes: T Plg50.0000°,Azm70.0000° ; N Plg37.0000°,Azm278.0000°; P Plg14.0000°,Azm177.0000°

ISC	**X**	**17 00 50 38.3–.65**	**36.33N–.03**	**141.42E–.06**	**52–6**	**4.2b**	**40**	**1-49**
NIED	X	17 00 50 00	36.30N	141.30E	32	3.7W		¶11748958
ISCJB	X	17 00 50 37.1–.65	36.35N–.03	141.46E–.06	62–6	4.2b		
JMA	X	17 00 50 38.6–.10	36.35N	141.34E	50–2	3.7		
NEIC	X	17 00 50 39.4–1.1	36.40N	141.33E	66–11	4.2b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s322.00000°,δ78.00000°,λ29.00000°. NP2:ϕ_s226.00000°,δ62.00000°,λ166.00000°. $M_0$3.79000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.2km az=21.4.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.5km az=128.0.

ISC	**X**	**18 10 38 26.2–.57**	**37.90N–.04**	**141.37E–.07**	**81–4**	**3.6b**	**47**	**0-90**
NIED	X	18 10 38 00	37.90N	141.30E	65	4.1W		¶11749035
ISCJB	X	18 10 38 25.2–.57	37.90N–.04	141.36E–.07	87–4	3.6b		
JMA	X	18 10 38 26.4	37.92N	141.30E	81–1	3.8		
NEIC	X	18 10 38 26.4	37.92N	141.30E	81	3.8		
IDC	X	18 10 38 28.0–3.0	37.87N	141.30E	102–27	3.5,3.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ74.00000°,λ-88.00000°. NP2:ϕ_s4.00000°,δ16.00000°,λ-96.00000°. $M_0$1.76000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.5km az=22.9.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s16.00000°,δ33.00000°,λ-127.00000°. NP2:ϕ_s238.00000°,δ65.00000°,λ-69.00000°. Principal axes: T Plg17.0000°,Azm313.0000°; N Plg19.0000°,Azm49.0000°; P Plg64.0000° ,Azm184.0000°
NEIC Event type fe. Recorded [1 JMA] in Fukushima, Iwate and Miyagi. After JMA.
IDC Error ellipse: s-maj=29.4km s-min=16.4km az=61.0.

ISC	**X**	**19 00 07 18.7–.60**	**40.80N–.04**	**141.96E–.07**	**65–6**	**3.6b**	**23**	**1-66**
IDC	X	19 00 07 08.0–2.6	40.74N	142.55E	0	3.7,3.6b		¶12069010
ISCJB	X	19 00 07 18.0–.62	40.80N–.04	141.94E–.08	70–6	3.6b,3.6b		
JMA	X	19 00 07 18.0–.10	40.82N	142.03E	63–1	3.4,3.6b		

ISC Event type fe.
IDC Error ellipse: s-maj=95.2km s-min=27.9km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=10.1km s-min=5.9km az=25.5.
JMA Event type fe.

ISC	**X**	**20 21 57 24.4–1.3**	**36.67N–.05**	**141.37E–.07**	**28–7**	**3.6b**	**35**	**1-142**
NIED	X	20 21 57 00	36.70N	141.30E	41	3.9W		¶11749142
IDC	X	20 21 57 18.2–2.1	36.87N	141.91E	0	3.8,3.7b		
ISCJB	X	20 21 57 23.4–1.2	36.67N–.05	141.45E–.09	42–10	3.6b,3.7b		
JMA	X	20 21 57 25.7–.10	36.69N	141.26E	46–2	3.7,3.7b		
NEIC	X	20 21 57 25.6–1.4	36.69N	141.34E	42–12	4.1b,3.7b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s195.00000°,δ88.00000°,λ-92.00000°. NP2:ϕ_s53.00000°,δ3.00000°,λ-52.00000°. $M_0$8.10000×10^{14}
IDC Error ellipse: s-maj=53.9km s-min=27.1km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=6.5km az=32.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=9.9km az=126.0.

ISC	**X**	**22 11 06 13.4–1.3**	**36.90N–.05**	**141.38E–.08**	**30–5**	**3.5b**	**31**	**1-61**
NIED	X	22 11 06 00	36.90N	141.30E	59	3.6W		¶11749224
JMA	X	22 11 06 14.2–.10	36.91N	141.23E	52–1	3.8		
NEIC	X	22 11 06 14.3	36.91N	141.23E	52	3.8		
IDC	X	22 11 06 20.2–5.5	37.71N	140.51E	22–30	4.1,3.9b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s334.00000°,δ79.00000°,λ-49.00000°. NP2:ϕ_s77.00000°,δ42.00000°,λ-163.00000°. $M_0$3.30000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s73.00000°,δ34.00000°,λ176.00000°. NP2: ϕ_s167.00000°,δ88.00000°,λ56.00000°. Principal axes: T Plg38.0000°,Azm47.0000° ; N Plg34.0000°,Azm168.0000°; P Plg34.0000°,Azm285.0000°
NEIC Event type fe. Recorded [1 JMA] in Fukushima, Ibaraki and Tochigi. After JMA.
IDC Error ellipse: s-maj=38.3km s-min=22.6km az=71.0.

JMA	**X**	**22 17 32 11.5**	**39.61N**	**142.06E**	**30–1**	**3.6**		¶14114070

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s135.00000°,δ50.00000°,λ166.00000°. NP2:ϕ_s234.00000°,δ79.00000°,λ41.00000°. Principal axes: T Plg36.0000°,Azm103.0000°; N Plg48.0000°,Azm247.0000°; P Plg19.0000° ,Azm359.0000°

ISC	**X**	**23 17 12 55.8–.78**	**35.85N–.04**	**140.94E–.07**	**29–4**	**3.6b**	**35**	**0-118**
IDC	X	23 17 12 51.9–1.0	35.75N	140.87E	0	3.8,3.7		¶12070919
ISCJB	X	23 17 12 54.6–.77	35.85N–.04	141.02E–.08	37–6	3.6b,3.7		
JMA	X	23 17 12 56.2–.10	35.85N	140.88E	30–1	3.3,3.7		
NEIC	X	23 17 12 58.1–2.3	35.74N	140.73E	45–18	4.2b,3.7		

ISC Event type fe.
IDC Error ellipse: s-maj=26.1km s-min=15.6km az=78.0.

ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=6.7km az=161.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=13.8km az=77.0.

ISC	**X**	**23 19 10 47.7–.79**	**37.47N–.04**	**141.62E–.07**	**42–5**	**4.4b,3.4s**	**72**	**1-146**	
NIED	X	23 19 10 00	37.50N	141.60E	50	4.4W,3.4s			**¶13397920**
ISCJB	X	23 19 10 46.5–.85	37.49N–.04	141.66E–.08	51–5	4.4b,3.4s			
IDC	X	23 19 10 47.8–1.7	37.44N	141.72E	46–15	4.0,3.9			
JMA	X	23 19 10 47.3–.10	37.48N	141.62E	44–2	4.1,3.9			
NEIC	X	23 19 10 48.6–1.4	37.47N	141.62E	52–11	4.9b,4.3W			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ74.00000°,λ93.00000°. NP2:ϕ_s192.00000°,δ16.00000°,λ78.00000°. M_o3.78000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=5.5km az=26.2.
IDC Error ellipse: s-maj=15.9km s-min=10.4km az=101.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.8km az=88.0. Moment Tensor Solution. M_o3.80000×10^{15}

ISC	**X**	**24 10 27 31.7–.77**	**36.68N–.03**	**141.46E–.06**	**35**	**3.6b**	**39**	**1-60**	
ISCJB	X	24 10 27 30.1–.79	36.63N–.03	141.52E–.06	33	3.6b			**¶12070972**
NEIC	X	24 10 27 32.2	36.67N	141.33E	47	3.4			
JMA	X	24 10 27 32.1–.10	36.67N	141.33E	47–2	3.4			
IDC	X	24 10 27 38.9–2.9	35.96N	140.82E	46–27	3.6,3.5			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.8km az=167.6.
NEIC Event type se. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=37.4km s-min=16.3km az=65.0.

ISC	**X**	**24 19 56 11.0–.30**	**36.02N–.03**	**141.62E–.04**	**34**	**4.4b,3.9s**	**180**	**1-147**	
NIED	X	24 19 56 00	36.00N	141.60E	20	4.6W,3.9s			**¶13397989**
ISCJB	X	24 19 56 08.5–.30	36.02N–.03	141.71E–.04	32	4.4b,3.9s			
MOS	X	24 19 56 08.6–1.2	35.99N	141.63E	33	4.7b,3.9s			
JMA	X	24 19 56 09.3–.20	36.05N	141.63E	49–4	4.4,3.9s			
IDC	X	24 19 56 11.2–.53	35.99N	141.58E	35–3	4.1,4.0			
NEIC	X	24 19 56 11.0–1.2	35.96N	141.59E	36–10	4.7b,4.5W			
BJI	X	24 19 56 13.8	36.18N	140.84E	29	5.0b,4.5b			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ74.00000°,λ79.00000°. NP2:ϕ_s233.00000°,δ19.00000°,λ123.00000°. M_o8.43000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.8km az=13.4.
MOS Error ellipse: s-maj=10.3km s-min=6.5km az=122.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=13.8km s-min=11.9km az=88.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.6km az=96.0. Moment Tensor Solution. M_w8.40000×10^{15}

ISC	**X**	**25 02 16 40.4–1.6**	**36.36N–.06**	**141.12E–.08**	**22–9**	**3.6b**	**27**	**1-56**	
NIED	X	25 02 16 00	36.40N	141.00E	44	3.6W			**¶11749387**
IDC	X	25 02 16 36.3–1.4	36.26N	141.11E	0	3.7,3.5L			
ISCJB	X	25 02 16 39.8–1.5	36.34N–.06	141.14E–.08	31–7	3.6b,3.5L			
NEIC	X	25 02 16 41.6–.97	36.23N	141.07E	35	4.0b,3.5L			
JMA	X	25 02 16 42.1–.10	36.39N	140.97E	46–1	3.6,3.5L			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s26.00000°,δ71.00000°,λ109.00000°. NP2:ϕ_s160.00000°,δ26.00000°,λ47.00000°. M_o2.96000×10^{14}
IDC Error ellipse: s-maj=30.1km s-min=26.7km az=19.0.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=7.4km az=44.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=12.8km az=149.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**X**	**25 03 09 24.9–1.6**	**36.03N–.03**	**141.62E–.08**	**26–10**	**3.6b**	**36**	**1-78**	
IDC	X	25 03 09 20.7–.92	35.86N	141.61E	0	3.7,3.7L			**¶12071055**
JMA	X	25 03 09 24.3–.20	36.06N	141.65E	46–4	3.7,3.7L			
ISCJB	X	25 03 09 25.0–.95	36.02N–.03	141.60E–.09	41–9	3.6b,3.7L			
NEIC	X	25 03 09 25.3–6.6	35.86N	141.57E	28–46	3.7,3.7L			

ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=20.9km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=5.7km az=0.3.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=16.3km az=88.0.

ISC	**X**	**25 06 01 36.9–.77**	**35.95N–.02**	**141.63E–.02**	**17–4**	**5.1b,4.6s**	**735**	**1-152**	
NIED	X	25 06 01 00	36.00N	141.60E	20	5.1W,4.6s			**¶13398013**
IDC	X	25 06 01 33.4–.48	35.92N	141.68E	0	4.9,4.8			
BJI	X	25 06 01 33.9	36.05N	141.51E	10	5.0b,5.0b			
ISCJB	X	25 06 01 36.6–.72	35.92N–.02	141.61E–.02	27–5	5.1b,4.6s			
NEIC	X	25 06 01 37.7–1.3	35.95N	141.62E	25–8	5.0W,4.9b			
JMA	X	25 06 01 37.8–.20	36.00N	141.63E	46–3	5.0,4.9b			
TEH	X	25 06 01 38.0	35.98N	141.60E	23	5.0,4.9b			
MOS	X	25 06 01 39.7–.75	36.43N	141.52E	33	5.2b,4.6s			
GCMT	X	25 06 01 41.4–.40	35.97N	141.80E	28–1	5.0W,4.6s			
SZGRF	X	25 06 01 48.0	36.62N	141.04E	33	5.2b,4.6s			
DJA	X	25 06 02 05	36.25N	142.17E	331	5.1b,4.6s			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ69.00000°,λ78.00000°. NP2:ϕ_s223.00000°,δ24.00000°,λ118.00000°. M_o4.69000×10^{16}
IDC Error ellipse: s-maj=15.0km s-min=11.6km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=165.0.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=137.0. Felt at Kashima. Recorded [1 JMA] in Chiba, Fukushima, Ibaraki, Saitama and Tochigi. Moment Tensor Solution. M_o4.70000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=7.4km s-min=4.3km az=111.2.
GCMT Event type se. Data Used: II IC G IU. Moment Tensor Solution. s29,c34; s63,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}2.70±.20 $M_{\theta\theta}$-0.63±.12; $M_{\phi\phi}$-2.07±.13; $M_{r\theta}$0.72±.22; $M_{\theta\phi}$-1.36±.08; $M_{\phi r}$2.21±.19; Best double couple: NP1:ϕ_s220.00000°,δ26.00000°,λ106.00000°. NP2:ϕ_s22.00000°,δ65.00000°,λ82.00000°. Principal axes: T 3.5700,Plg69.0000° ,Azm277.0000°; N 0.1200,Plg7.0000°,Azm26.0000°; P -3.7000,Plg20.0000°,Azm118.0000° M_o3.60000×10^{16}
SZGRF Near east coast of eastern Honshu, Japan.

ISC	**X**	**25 21 35 35.3–1.0**	**38.62N–.05**	**142.0E–.10**	**44–9**	**3.3b**	**32**	**1-59**	
IDC	X	25 21 35 26.8–1.9	38.80N	142.61E	0	3.6,3.5b			**¶12071103**
ISCJB	X	25 21 35 34.0–1.1	38.61N–.05	142.0E–.10	52–8	3.3b,3.5b			
NEIC	X	25 21 35 35.9	38.62N	141.90E	47	3.5,3.5b			
JMA	X	25 21 35 35.9–.10	38.62N	141.90E	47–1	3.5,3.5b			

ISC Event type fe.
IDC Error ellipse: s-maj=37.5km s-min=24.4km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=16.1km s-min=5.9km az=25.9.
NEIC Event type se. After JMA.
JMA Event type fe.

ISC	**X**	**27 21 11 51.6–.79**	**35.30N–.03**	**141.15E–.06**	**33–4**	**3.9b**	**40**	**0-59**	
ISCJB	X	27 21 11 51.0–.81	35.30N–.04	141.16E–.08	47–5	3.9b			**¶12071281**
JMA	X	27 21 11 50.6–.10	35.35N	141.20E	36–2	3.3			
NEIC	X	27 21 12 02.3–.92	34.56N	138.88E	63–10	4.1b			
IDC	X	27 21 12 02.9–1.7	34.57N	138.91E	69–24	3.5,3.4b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=5.9km az=167.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.0km az=67.0.
IDC Error ellipse: s-maj=63.2km s-min=15.5km az=67.0.

ISC	**X**	**27 23 58 34.3–.60**	**35.68N–.04**	**140.21E–.07**	**71–5**	**3.4b**	**22**	**0-59**	
IDC	X	27 23 58 22.4–2.4	35.94N	141.18E	0	3.7,3.6L			**¶11749539**
ISCJB	X	27 23 58 33.4–.62	35.67N–.05	140.21E–.07	77–4	3.4b,3.6L			
JMA	X	27 23 58 34.2–.20	35.73N	140.20E	66–2	2.8,3.6L			

IDC Error ellipse: s-maj=72.1km s-min=22.3km az=61.0.
ISCJB Error ellipse: s-maj=10.7km s-min=6.2km az=148.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**X**	**27 23 59 31.9–.40**	**35.67N–.03**	**140.24E–.05**	**68–3**	**4.1b**	**61**	**0-118**	
NIED	X	27 23 59 00	35.80N	140.20E	53	4.0W			**¶12071296**
ISCJB	X	27 23 59 30.9–.41	35.67N–.04	140.25E–.05	76–3	4.1b			
NEIC	X	27 23 59 31.9	35.73N	140.22E	65	4.5b,4.0W			
IDC	X	27 23 59 31.6–2.6	35.60N	140.27E	62–22	4.5L,3.9			
JMA	X	27 23 59 31.8–.20	35.73N	140.22E	65–2	3.6,3.9			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s324.00000°,δ53.00000°,λ74.00000°. NP2:ϕ_s169.00000°,δ40.00000°,λ110.00000°. M_o1.33000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=5.7km az=155.1.
NEIC Event type se. After JMA. Moment Tensor Solution. M_o1.30000×10^{15}
IDC Error ellipse: s-maj=27.9km s-min=14.5km az=75.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**X**	**28 16 52 00.6–.53**	**35.79N–.04**	**140.30E–.07**	**59–5**	**3.5b**	**42**	**0-59**	
ISCJB	X	28 16 51 59.6–.56	35.80N–.04	140.31E–.07	68–5	3.5b			**¶12071350**
NEIC	X	28 16 52 01.0	35.84N	140.20E	63	4.0b			
IDC	X	28 16 52 00.3–2.0	35.80N	140.28E	54–18	3.4,3.3L			
JMA	X	28 16 52 00.9–.10	35.84N	140.20E	63–1	3.6,3.3L			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.8km az=161.4.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=27.2km s-min=10.9km az=80.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s288.00000°,δ40.00000°,λ72.00000°. NP2: ϕ_s131.00000°,δ52.00000°,λ104.00000°. Principal axes: T Plg77.0000°,Azm93.0000° ; N Plg11.0000°,Azm302.0000°; P Plg6.0000°,Azm211.0000°

ISC	**X**	**29 15 48 40.9–.09**	**38.08N–.02**	**141.67E–.02**	**85**	**4.9b**	**1022**	**0-155**	
NIED	X	29 15 48 00	38.00N	141.70E	92	5.1W			**¶15148033**
BJI	X	29 15 48 38.3	38.07N	141.52E	79	5.3b,5.2b			
ISCJB	X	29 15 48 39.2–.09	38.08N–.02	141.69E–.02	83	4.9b,5.2b			
MOS	X	29 15 48 39.0–.85	38.21N	141.65E	79	5.3b,5.2b			
IDC	X	29 15 48 40.1–.51	38.04N	141.64E	82–3	4.6,4.6			
SZGRF	X	29 15 48 40.6	38.45N	142.28E	84	5.0b,4.6			
JMA	X	29 15 48 40.7–.10	38.05N	141.73E	86–1	5.1,4.6			
NEIC	X	29 15 48 40.4–.12	38.09N	141.64E	84	5.0b,5.0W			
GCMT	X	29 15 48 43.2–.20	38.15N	141.68E	94–2	5.1W,5.0W			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ67.00000°,λ-123.00000°. NP2:ϕ_s65.00000°,δ39.00000°,λ-38.00000°. M_o4.42000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=156.8.
MOS Error ellipse: s-maj=6.3km s-min=4.2km az=103.3.
IDC Error ellipse: s-maj=10.8km s-min=9.6km az=128.0.
SZGRF Near east coast of eastern Honshu, Japan.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s349.00000°,δ16.00000°,λ-121.00000°. NP2:ϕ_s201.00000°,δ76.00000°,λ-82.00000°. Principal axes: T Plg31.0000°,Azm284.0000°; N Plg8.0000°,Azm19.0000°; P Plg58.0000° ,Azm122.0000°
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.3km az=156.0. Recorded [4 JMA] in Miyagi; [3 JMA] in Fukushima, Iwate and Yamagata; [2 JMA] in Akita, Aomori, Ibaraki and Tochigi; [1 JMA] in Chiba, Gumma, Niigata, Saitama and Tokyo. Moment Tensor Solution. M_o4.40000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c43; s93,c163; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.40±.19 $M_{\theta\theta}$-1.00±.17; $M_{\phi\phi}$3.40±.17; $M_{r\theta}$0.05±.11; $M_{\theta\phi}$3.11±.13; $M_{\phi r}$3.70±.10; Best double couple: NP1:ϕ_s65.00000°,δ37.00000°,λ-28.00000°. NP2:ϕ_s179.00000°,δ73.00000°,λ-123.00000°. Principal axes: T 6.3100,Plg21.0000° ,Azm293.0000°; N -1.5300,Plg32.0000°,Azm189.0000°; P -4.7800,Plg50.0000° ,Azm51.0000° M_o5.60000×10^{16}

ISC	**X**	**29 20 12 53.5–.55**	**35.04N–.04**	**140.26E–.05**	**66–4**	**3.2b**	**36**	**0-55**	
IDC	X	29 20 12 51.6–3.6	35.08N	140.54E	58–26	3.3,3.3			**¶12071531**
ISCJB	X	29 20 12 52.7–.56	35.05N–.04	140.26E–.05	71–4	3.2b,3.3			
JMA	X	29 20 12 53.2–.20	35.09N	140.30E	66–2	2.7,3.3			

IDC Error ellipse: s-maj=45.0km s-min=7.7km az=72.0.
ISCJB Error ellipse: s-maj=7.2km s-min=5.0km az=139.4.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**X**	**30 11 35 16.5–.62**	**35.95N–.03**	**140.19E–.06**	**65–7**	**3.3b**	**26**	**0-56**	
ISCJB	X	30 11 35 15.5–.63	35.95N–.03	140.19E–.06	71–6	3.3b			**¶12071615**
IDC	X	30 11 35 16.0–6.8	35.72N	140.21E	62–72	3.3,2.9b			
JMA	X	30 11 35 16.7–.10	35.99N	140.16E	61–1	3.2,2.9b			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.6km az=164.1.
IDC Error ellipse: s-maj=54.5km s-min=22.5km az=114.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s180.00000°,δ4.00000°,λ70.00000°. NP2: ϕ_s20.00000°,δ86.00000°,λ91.00000°. Principal axes: T Plg49.0000°,Azm292.0000° ; N Plg1.0000°,Azm200.0000°; P Plg41.0000°,Azm109.0000°

ISC	**X**	**31 14 06 07.0–.66**	**38.81N–.03**	**141.68E–.08**	**72–5**	**3.6b**	**38**	**0-59**	
IDC	X	31 14 05 55.0–2.5	39.06N	142.45E	0	3.7,3.6b			**¶12071739**
ISCJB	X	31 14 06 05.9–.67	38.81N–.03	141.69E–.08	78–4	3.6b,3.6b			
NEIC	X	31 14 06 07.2	38.82N	141.59E	74	3.2,3.6b			
JMA	X	31 14 06 07.1	38.82N	141.59E	74–1	3.2,3.6b			

ISC Event type fe.
IDC Error ellipse: s-maj=51.9km s-min=32.5km az=86.0.
ISCJB Event type fe. Error ellipse: s-maj=10.7km s-min=4.7km az=20.7.
NEIC Event type se. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s15.00000°,δ14.00000°,λ116.00000°. NP2:ϕ_s169.00000°,δ77.00000°,λ84.00000°. Principal axes: T Plg57.0000°,Azm71.0000°; N Plg6.0000°,Azm170.0000°; P Plg32.0000° ,Azm264.0000°

ISC	**XI**	**01 00 57 07.6–.82**	**35.72N–.05**	**141.03E–.08**	**35–4**	**3.7b**	**35**	**0-125**	
NIED	XI	01 00 57 00	35.80N	141.10E	11	4.0W			**¶11749805**
IDC	XI	01 00 57 01.7–.98	35.64N	141.28E	0	3.8,3.6			
ISCJB	XI	01 00 57 06.6–.77	35.73N–.05	141.04E–.09	45–5	3.7b,3.6			
JMA	XI	01 00 57 07.9–.10	35.74N	140.97E	35–1	3.4,3.6			
NEIC	XI	01 00 57 07.2–1.9	35.67N	141.17E	38–15	4.0b,3.6			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ89.00000°,λ81.00000°. NP2: ϕ_s265.00000°,δ9.00000°,λ173.00000°. M_o1.26000×10^{15}
IDC Error ellipse: s-maj=31.5km s-min=21.1km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=6.8km az=154.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=10.6km az=69.0.

ISC	**XI**	**01 06 22 32.3–.42**	**34.33N–.03**	**140.48E–.04**	**57–3**	**3.9b**	**83**	**0-119**	
NIED	XI	01 06 22 00	34.30N	140.40E	59	4.0W			**¶11749814**
MOS	XI	01 06 22 27.0–1.5	34.22N	140.68E	33	4.3b			
ISCJB	XI	01 06 22 31.3–.41	34.33N–.03	140.47E–.04	66–3	3.9b			
NEIC	XI	01 06 22 31.4–1.2	34.33N	140.65E	56–11	4.4b			
JMA	XI	01 06 22 32.2–.10	34.34N	140.43E	60–2	4.4			
IDC	XI	01 06 22 33.7–1.4	34.30N	140.37E	69–12	3.8,3.7			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s245.00000°,δ82.00000°,λ-170.00000°. NP2:ϕ_s154.00000°,δ80.00000°,λ-8.00000°. M_o1.21000×10^{15}
MOS Error ellipse: s-maj=16.8km s-min=8.8km az=106.9.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.4km az=34.2.
NEIC Event type fe. Error ellipse: s-maj=14.1km s-min=10.1km az=119.0. Recorded [2 JMA] on Miyake-jima and [1 JMA] on Kozu-shima and O-shima. Also recorded [1 JMA] in Chiba and Shizuoka.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=7.2km az=77.0.

ISC	**XI**	**01 21 46 28.5–1.0**	**36.65N–.03**	**141.64E–.05**	**10–5**	**3.9b**	**66**	**1-147**	
NIED	XI	01 21 46 00	36.60N	141.60E	20	3.9W			**¶11749866**
IDC	XI	01 21 46 27.0–.73	36.64N	141.66E	0	4.1,4.0b			
ISCJB	XI	01 21 46 27.7–1.0	36.63N–.03	141.74E–.05	20–7	3.9b,4.0b			
NEIC	XI	01 21 46 30.1–2.4	36.64N	141.65E	21–16	4.3b,4.0b			
JMA	XI	01 21 46 30.1–.20	36.64N	141.55E	53–3	3.9,4.0b			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ67.00000°,λ82.00000°. NP2:ϕ_s209.00000°,δ24.00000°,λ108.00000°. M_o8.05000×10^{14}
IDC Error ellipse: s-maj=20.8km s-min=13.6km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.0km az=15.3.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.6km az=116.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

ISC	**XI**	**02 11 45 38.2–1.2**	**35.86N–.04**	**141.16E–.07**	**19–5**	**3.6b**	**19**	**0-56**	
NIED	XI	02 11 45 00	35.80N	141.00E	23	3.6W			**¶11749912**
IDC	XI	02 11 45 35.4–2.1	35.87N	141.30E	0	3.6b,3.6			
ISCJB	XI	02 11 45 37.4–1.1	35.86N–.04	141.20E–.08	27–6	3.6b,3.6			
JMA	XI	02 11 45 39.5–.20	35.82N	141.04E	25–1	3.4,3.6			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ65.00000°,λ-131.00000°. NP2:ϕ_s283.00000°,δ47.00000°,λ-35.00000°. M_o2.82000×10^{14}
IDC Error ellipse: s-maj=47.2km s-min=26.1km az=79.0.

ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=6.3km az=175.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XI 04 08 32 30.8–.85 35.24N–.03 141.31E–.05 17–5 4.1b,3.4s 84 1-91
NIED XI 04 08 32 00 35.30N 141.30E 32 4.2W,3.4s **¶11750000**
ISCJB XI 04 08 32 30.7–.89 35.23N–.03 141.33E–.06 29–5 4.1b,3.4s
MOS XI 04 08 32 30.8–1.4 35.25N 141.35E 33 4.3b,3.4s
JMA XI 04 08 32 31.3–.20 35.26N 141.27E 27–2 4.3,3.4s
NEIC XI 04 08 32 31.4 35.26N 141.27E 27 4.5b,4.2W
IDC XI 04 08 32 34.7–2.2 35.22N 141.12E 43–21 4.0,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ71.00000°,λ129.00000°. NP2:ϕ_s84.00000°,δ43.00000°,λ29.00000°. $M_0$2.24000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.4km az=175.9.
MOS Error ellipse: s-maj=17.1km s-min=10.4km az=124.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. After JMA. Moment Tensor Solution. $M_0$2.20000×10^{15}
IDC Error ellipse: s-maj=19.6km s-min=12.1km az=85.0.
ISC XI 04 08 40 09.5–.00 35.26N–.03 141.30E–.06 22–7 3.9b 57 1-80
ISCJB XI 04 08 40 08.6–.89 35.26N–.03 141.34E–.06 29–5 3.9b **¶12072227**
JMA XI 04 08 40 09.7–.20 35.27N 141.27E 27–3 3.2
MOS XI 04 08 40 09.4–1.4 35.38N 141.46E 33 4.3b
IDC XI 04 08 40 11.5–4.8 35.23N 141.28E 34–38 3.9L,3.8
NEIC XI 04 08 40 12.5–1.8 35.25N 141.24E 44–16 4.5b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.8km az=2.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=21.6km s-min=14.1km az=131.6.
IDC Error ellipse: s-maj=27.6km s-min=15.7km az=73.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=12.0km az=92.0.
ISC XI 05 04 10 32.4–.44 36.06N–.03 140.04E–.05 74–3 3.7b 50 0-84
ISCJB XI 05 04 10 31.4–.44 36.06N–.03 140.05E–.05 80–3 3.7b **¶13399279**
NEIC XI 05 04 10 32.2–1.7 36.01N 140.03E 77–12 3.5
IDC XI 05 04 10 32.8–2.0 36.01N 140.04E 82–17 4.1s,4.1
JMA XI 05 04 10 32.9–.10 36.09N 140.02E 67–1 3.5,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=5.3km az=17.7.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=16.9km az=74.0.
IDC Error ellipse: s-maj=28.5km s-min=8.1km az=63.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s194.00000°,δ29.00000°,λ100.00000°. NP2: ϕ_s2.00000°,δ61.00000°,λ84.00000°. Principal axes: T Plg73.0000°,Azm258.0000° ; N Plg5.0000°,Azm5.0000°; P Plg16.0000°,Azm96.0000°
JMA XI 07 16 06 53.1–.10 38.29N 141.87E 46–1 3.5
NIED XI 07 16 06 00 38.30N 141.90E 59 3.9W **¶11750220**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s164.00000°,δ80.00000°,λ-96.00000°. NP2:ϕ_s16.00000°,δ12.00000°,λ-59.00000°. $M_0$8.39000×10^{14}
ISC XI 09 02 10 55.9–.64 35.69N–.03 140.22E–.06 57–8 3.5b 27 0-59
IDC XI 09 02 10 45.7–3.4 35.99N 140.99E 0 3.6,3.5 **¶12072908**
ISCJB XI 09 02 10 55.1–.70 35.68N–.03 140.22E–.06 64–8 3.5b,3.5
JMA XI 09 02 10 55.7–.10 35.73N 140.20E 62–1 2.6,3.5
IDC Error ellipse: s-maj=65.9km s-min=26.9km az=41.0.
ISCJB Error ellipse: s-maj=8.6km s-min=5.2km az=164.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 09 13 49 48.1–.54 38.63N–.05 141.04E–.08 35 3.7b 35 0-62
JMA XI 09 13 49 44.0 38.79N 140.79E 3–1 3.4 **¶12072956**
ISCJB XI 09 13 49 45.2–.42 38.74N–.04 140.94E–.06 33 3.7b
NEIC XI 09 13 49 49.0–.89 38.70N 140.88E 42–10 3.4
IDC XI 09 13 49 49.6–2.5 38.72N 140.86E 48–25 3.6,3.4
ISC Event type fe.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s174.00000°,δ36.00000°,λ54.00000°. NP2:ϕ_s37.00000°,δ62.00000°,λ113.00000°. Principal axes: T Plg65.0000°,Azm348.0000°; N Plg20.0000°,Azm205.0000°; P Plg14.0000° ,Azm110.0000°
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.4km az=30.7.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=7.7km az=119.0.
IDC Error ellipse: s-maj=29.7km s-min=19.1km az=100.0.
ISC XI 09 15 49 30.6–.71 38.79N–.05 141.7E–.10 62–5 3.7b 30 0-63
ISCJB XI 09 15 49 29.3–.74 38.80N–.05 141.7E–.10 69–5 3.6b **¶14120217**
JMA XI 09 15 49 30.7–.10 38.79N 141.64E 63–1 3.5
IDC XI 09 15 49 31.1–2.6 38.84N 141.83E 76–27 3.3b,3.3
NEIC XI 09 15 49 32.1–.95 38.83N 141.73E 85–9 3.9b,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=16.0km s-min=5.8km az=24.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s343.00000°,δ2.00000°,λ53.00000°. NP2:ϕ_s199.00000°,δ88.00000°,λ91.00000°. Principal axes: T Plg47.0000°,Azm111.0000°; N Plg1.0000°,Azm19.0000°; P Plg43.0000° ,Azm288.0000°
IDC Error ellipse: s-maj=41.9km s-min=17.5km az=100.0.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=8.5km az=116.0.
ISC XI 09 16 44 59.6–.53 36.72N–.04 141.37E–.06 35 3.6b 39 1-78
ISCJB XI 09 16 44 57.2–.54 36.70N–.04 141.48E–.05 33 3.6b **¶11750338**
JMA XI 09 16 44 59.6–.10 36.72N 141.27E 47–2 3.7
NEIC XI 09 16 45 00.2–1.3 36.70N 141.40E 43–11 3.9b
NIED XI 09 16 45 00 36.70N 141.30E 44 3.8W
IDC XI 09 16 45 00.1–1.8 36.67N 141.44E 42–18 3.7,3.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.9km az=21.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=9.9km az=135.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ86.00000°,λ93.00000°. NP2:ϕ_s168.00000°,δ5.00000°,λ51.00000°. $M_0$6.23000×10^{14}
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=88.0.
ISC XI 16 05 11 30.7–1.1 39.00N–.05 142.3E–.10 54–9 3.4b 33 0-59
NIED XI 16 05 11 00 39.00N 142.30E 53 3.5W **¶14122558**
ISCJB XI 16 05 11 29.7–1.0 38.98N–.05 142.3E–.10 62–8 3.4b
JMA XI 16 05 11 30.3–.10 38.98N 142.30E 53–1 3.6
NEIC XI 16 05 11 30.3 38.98N 142.31E 53 3.6
IDC XI 16 05 11 33.8–4.2 38.89N 142.22E 89–39 3.2,3.0b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s296.00000°,δ57.00000°,λ65.00000°. NP2:ϕ_s156.00000°,δ40.00000°,λ123.00000°. $M_0$1.77000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=6.0km az=22.7.
JMA Event type fe.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=33.2km s-min=25.5km az=87.0.
ISC XI 17 08 26 58.3–1.8 38.04N–.04 142.66E–.06 18–12 4.1b,3.3s 58 1-82
NIED XI 17 08 26 00 38.00N 142.70E 29 4.1W,3.3s **¶11750750**
IDC XI 17 08 26 55.5–.80 37.98N 142.59E 0 4.1,4.0
ISCJB XI 17 08 26 58.4–.97 37.99N–.04 142.72E–.07 35–8 4.1b,3.3s
NEIC XI 17 08 26 58.0 38.01N 142.67E 30 4.5b,4.1W
JMA XI 17 08 26 58.0–.10 38.01N 142.67E 30–2 4.3,4.1W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s12.00000°,δ67.00000°,λ87.00000°. NP2:ϕ_s199.00000°,δ23.00000°,λ96.00000°. $M_0$1.51000×10^{15}
IDC Error ellipse: s-maj=21.4km s-min=16.0km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.8km az=23.6.
NEIC Event type se. After JMA. Moment Tensor Solution. $M_0$1.50000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 17 10 09 54.1–.34 40.86N–.03 142.43E–.05 76–3 4.2b 123 1-145
NIED XI 17 10 09 00 40.90N 142.50E 59 4.4W **¶11750757**
MOS XI 17 10 09 52.4–.88 40.82N 142.40E 79 4.7b
ISCJB XI 17 10 09 53.2–.35 40.86N–.03 142.41E–.05 85–3 4.2b
NEIC XI 17 10 09 54.2–.63 40.84N 142.38E 80–5 4.7b,4.4W
JMA XI 17 10 09 54.0–.10 40.85N 142.49E 72–3 4.3,4.4W
IDC XI 17 10 09 55.0–.62 40.75N 142.34E 89–5 4.1s,4.1
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ78.00000°,λ-14.00000°. NP2:ϕ_s328.00000°,δ76.00000°,λ-167.00000°. $M_0$4.38000×10^{15}
MOS Error ellipse: s-maj=11.6km s-min=6.9km az=76.3.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=3.4km az=24.6.
NEIC Event type fe. Error ellipse: s-maj=9.6km s-min=5.6km az=129.0. Recorded [2 JMA] in Aomori and Iwate and [1 JMA] in Miyagi. Also recorded [2 JMA] in southwestern Hokkaido. Moment Tensor Solution. $M_0$4.40000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=15.1km s-min=11.3km az=122.0.
ISC XI 19 18 44 45.4–1.3 36.03N–.04 141.81E–.05 9–7 4.0s,3.8b 46 1-80
NIED XI 19 18 44 00 36.00N 141.80E 23 3.9W,3.8b **¶11750857**
ISCJB XI 19 18 44 45.2–1.3 36.03N–.04 141.87E–.06 20–8 4.0s,3.8b
JMA XI 19 18 44 45.8–.30 36.03N 141.83E 28 3.8,3.8b
IDC XI 19 18 44 49.1–1.2 35.95N 141.65E 31–7 3.7L,3.7
NEIC XI 19 18 44 50.0–2.5 36.04N 141.62E 35–21 4.1b,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ72.00000°,λ78.00000°. NP2:ϕ_s228.00000°,δ22.00000°,λ123.00000°. $M_0$6.92000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.0km az=170.8.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=24.8km s-min=17.4km az=89.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=14.0km az=78.0.
ISC XI 19 19 25 43.0–.18 35.99N–.02 141.57E–.03 36 4.9b,4.6s 336 1-147
NIED XI 19 19 25 00 36.00N 141.90E 23 4.9W,4.6s **¶13400627**
IDC XI 19 19 25 37.5–.49 35.98N 141.59E 0 4.7,4.7L
JMA XI 19 19 25 39.2–.20 36.03N 141.81E 38 4.9,4.7L
BJI XI 19 19 25 40.9 36.13N 141.60E 38 5.0b,4.8s
ISCJB XI 19 19 25 40.8–.18 35.97N–.02 141.64E–.03 34 4.9b,4.6s
MOS XI 19 19 25 41.4–1.1 36.07N 141.65E 39 5.1b,4.7s
NEIC XI 19 19 25 42.7–.20 35.97N 141.57E 35 4.9W,4.8b
DJA XI 19 19 25 45 35.89N 141.44E 42 5.4b,4.8b
GCMT XI 19 19 25 45.8–.30 35.97N 141.73E 28–1 5.0W,4.8b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ67.00000°,λ95.00000°. NP2:ϕ_s195.00000°,δ23.00000°,λ79.00000°. $M_0$2.49000×10^{16}
IDC Error ellipse: s-maj=14.5km s-min=12.6km az=97.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.9km az=19.1.
MOS Error ellipse: s-maj=8.9km s-min=5.4km az=118.3.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.2km az=166.0. Recorded [1 JMA] in Chiba, Fukushima, Ibaraki and Tochigi. Moment Tensor Solution. $M_0$2.50000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c43; s67,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}2.46±.15 $M_{\theta\theta}$-0.23±.09; $M_{\phi\phi}$-2.23±.10; $M_{r\theta}$1.16±.15; $M_{\theta\phi}$-1.21±.06; $M_{\phi r}$2.41±.15; Best double couple: NP1:ϕ_s205.00000°,δ22.00000°,λ89.00000°. NP2:ϕ_s26.00000°,δ68.00000°,λ90.00000°. Principal axes: T 3.5800,Plg67.0000° ,Azm296.0000°; N 0.3400,Plg0.0000°,Azm205.0000°; P -3.9200,Plg23.0000°,Azm115.0000° $M_0$3.80000×10^{16}
JMA XI 19 21 43 01.2–.10 38.54N 141.72E 54–1 3.5
NIED XI 19 21 43 00 38.50N 141.70E 68 4.2W **¶11750864**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s197.00000°,δ22.00000°,λ102.00000°. NP2:ϕ_s4.00000°,δ69.00000°,λ85.00000°. Principal axes: T Plg66.0000°,Azm266.0000°; N Plg4.0000°,Azm6.0000°; P Plg24.0000° ,Azm98.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ65.00000°,λ-41.00000°. NP2:ϕ_s142.00000°,δ53.00000°,λ-148.00000°. $M_0$2.03000×10^{15}
ISC XI 20 05 17 08.3–.50 34.83N–.05 140.16E–.04 41–6 3.5b 32 0-58
IDC XI 20 05 17 05.4–2.5 34.48N 139.43E 0 3.7,3.6L **¶12074231**
ISCJB XI 20 05 17 07.4–.55 34.84N–.04 140.17E–.04 49–5 3.5b,3.6L
NEIC XI 20 05 17 07.8 34.89N 140.17E 46 3.2,3.6L
JMA XI 20 05 17 07.7–.10 34.89N 140.17E 46–1 3.2,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=115.3km s-min=22.4km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.8km az=17.6.
NEIC Event type se. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 20 11 58 26.8–1.0 36.00N–.03 141.69E–.05 11–5 4.3b,3.9s 73 1-147
NIED XI 20 11 58 00 36.00N 141.50E 17 4.3W,3.9s **¶12074261**
IDC XI 20 11 58 25.0–.60 35.98N 141.66E 0 4.2,4.2L
ISCJB XI 20 11 58 26.5–1.0 36.02N–.03 141.73E–.05 21–7 4.3b,3.9s
JMA XI 20 11 58 29.5–.20 36.05N 141.55E 40–3 4.3,3.9s
NEIC XI 20 11 58 30.2–.91 35.98N 141.62E 35–7 4.5b,4.3W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s54.00000°,δ81.00000°,λ98.00000°. NP2:ϕ_s193.00000°,δ12.00000°,λ49.00000°. $M_0$3.01000×10^{15}
IDC Error ellipse: s-maj=16.0km s-min=14.3km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=8.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.3km az=150.0. Moment Tensor Solution. $M_0$3.00000×10^{15}
ISC XI 21 10 10 18.8–.67 36.27N–.05 140.57E–.08 53–4 3.7b 35 0-75
NIED XI 21 10 10 00 36.20N 140.50E 50 3.8W **¶11750979**
ISCJB XI 21 10 10 17.3–.70 36.26N–.05 140.64E–.08 60–4 3.7b
IDC XI 21 10 10 18.2–2.6 36.26N 140.77E 57–20 3.6,3.6
NEIC XI 21 10 10 19.3 36.25N 140.48E 52 4.1b,3.6
JMA XI 21 10 10 19.3–.10 36.25N 140.48E 52–1 3.5,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ73.00000°,λ60.00000°. NP2:ϕ_s230.00000°,δ34.00000°,λ149.00000°. $M_0$6.39000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=8.1km az=175.2.
IDC Error ellipse: s-maj=34.2km s-min=11.5km az=79.0.
NEIC Event type se. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s238.00000°,δ15.00000°,λ138.00000°. NP2:ϕ_s9.00000°,δ80.00000°,λ78.00000°. Principal axes: T Plg54.0000°,Azm265.0000°; N Plg11.0000°,Azm11.0000°; P Plg34.0000° ,Azm109.0000°
ISC XI 22 12 13 32.8–.39 35.96N–.03 140.18E–.03 37–3 4.5b,3.6s 167 0-148
NIED XI 22 12 13 00 36.00N 140.30E 53 4.2W,3.6s **¶11473206**
BJI XI 22 12 13 26.7 35.74N 140.64E 34 5.0b,4.5b
MOS XI 22 12 13 30.3–1.6 35.92N 140.28E 33 4.6b,4.5b
ISCJB XI 22 12 13 31.8–.38 35.96N–.03 140.23E–.03 44–3 4.5b,3.6s
JMA XI 22 12 13 32.3–.10 35.98N 140.23E 41–1 4.4,3.6s
IDC XI 22 12 13 32.4–2.4 35.91N 140.16E 37–20 4.4L,4.3
NEIC XI 22 12 13 32.3 35.98N 140.23E 41 4.8b,4.2W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s229.00000°,δ74.00000°,λ-67.00000°. NP2:ϕ_s352.00000°,δ27.00000°,λ-144.00000°. $M_0$2.45000×10^{15}
MOS Error ellipse: s-maj=9.9km s-min=7.8km az=117.8.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=4.4km az=163.2.
JMA Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=11.7km az=87.0.
NEIC Event type fe. Felt at Motegi, Narashino and Yokosuka. Recorded [3 JMA] in Ibaraki; [2 JMA] in Chiba, Gumma, Saitama and Tochigi; [1 JMA] in Fukushima, Kanagawa and Tokyo. After JMA. Moment Tensor Solution. $M_0$2.50000×10^{15}
JMA XI 22 12 14 44.3–.20 35.98N 140.23E 39–2 2.3
¶13400858
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XI 22 20 02 55.8–.10 38.30N 141.87E 47–1 3.5
¶14124756
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 23 09 12 42.5–.73 38.81N–.04 141.63E–.09 70–5 3.6b 25 0-48
IDC XI 23 09 12 37.1–2.4 39.45N 141.37E 0 3.9b,3.8 **¶12074576**
ISCJB XI 23 09 12 41.6–.73 38.81N–.04 141.63E–.09 75–5 3.6b,3.8
JMA XI 23 09 12 42.8 38.81N 141.57E 70–1 3.4,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=55.0km s-min=32.7km az=138.0.
ISCJB Event type fe. Error ellipse: s-maj=12.2km s-min=5.7km az=23.5.
JMA Event type fe.
ISC XI 24 22 59 55.4–1.2 35.93N–.03 141.63E–.05 10–6 4.3b,3.6s 120 1-147
IDC XI 24 22 59 54.4–.61 35.89N 141.51E 0 4.2,4.2 **¶11528434**
MOS XI 24 22 59 56.7–1.3 35.90N 141.64E 33 4.4b,4.2
ISCJB XI 24 22 59 56.0–1.1 35.92N–.03 141.64E–.06 27–7 4.3b,3.6s
NEIC XI 24 22 59 58.5–4.2 35.85N 141.49E 29–29 4.6b,4.2W
JMA XI 24 22 59 58.4–.20 35.95N 141.45E 39–2 4.3,4.2W
NIED XI 24 23 00 00 36.00N 141.50E 26 4.2W,4.2W
ISC Event type fe.

IDC Error ellipse: s-maj=18.1km s-min=13.5km az=87.0.
MOS Error ellipse: s-maj=13.9km s-min=8.5km az=130.4.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.6km az=173.2.
NEIC Event type fe. Error ellipse: s-maj=14.5km s-min=9.4km az=67.0. Recorded [2 JMA] in Ibaraki and [1 JMA] in Chiba and Tochigi. Moment Tensor Solution. $M_0$2.20000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ74.00000°,λ79.00000°. NP2:ϕ_s235.00000°,δ19.00000°,λ123.00000°. $M_0$2.19000×10^{15}

ISC	**XI**	**25 15 44 47.6–1.1**	**35.93N–.05**	**140.14E–.10**	**67–6**	**3.1b**	**19**	**0-42**
IDC	XI	25 15 44 37.3–9.3	36.29N	140.91E	0	3.7,3.6b		¶12074790
ISCJB	XI	25 15 44 46.8–1.1	35.93N–.05	140.14E–.10	72–6	3.1b,3.6b		
JMA	XI	25 15 44 48.0–.10	35.99N	140.07E	65–1	3.0,3.6b		

IDC Error ellipse: s-maj=150.7km s-min=67.0km az=141.0.
ISCJB Error ellipse: s-maj=13.9km s-min=7.9km az=22.2.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**XI**	**28 01 13 34.6–.80**	**37.89N–.04**	**141.87E–.07**	**50–7**	**4.0b**	**68**	**1-89**
NIED	XI	28 01 13 00	37.90N	141.80E	56	4.0W		¶11751283
ISCJB	XI	28 01 13 33.6–.80	37.87N–.04	141.88E–.07	58–7	4.0b		
JMA	XI	28 01 13 34.6–.10	37.88N	141.81E	53–1	4.2		
IDC	XI	28 01 13 34.4–2.2	37.89N	141.80E	50–21	3.9,3.8		
NEIC	XI	28 01 13 35.3–1.1	37.95N	141.84E	57–10	4.2b,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s207.00000°,δ56.00000°,λ91.00000°. NP2:ϕ_s26.00000°,δ34.00000°,λ88.00000°. $M_0$1.07000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=5.8km az=15.4.
JMA Event type fe.
IDC Error ellipse: s-maj=19.6km s-min=13.9km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=8.7km az=117.0. Recorded [2 JMA] in Fukushima and [1 JMA] in Miyagi.

JMA	**XI**	**28 07 47 44.7–.10**	**39.26N**	**142.17E**	**21–1**	**0.8**		**¶14126604**
JMA	**XI**	**29 06 07 09.0–.10**	**40.37N**	**142.26E**	**40–1**	**3.9**		
NIED	XI	29 06 07 00	40.40N	142.30E	38	3.7W		¶11751309

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s1.00000°,δ87.00000°,λ76.00000°. NP2:ϕ_s257.00000°,δ14.00000°,λ166.00000°. $M_0$3.49000×10^{14}

ISC	**XII**	**03 23 16 57.0–.11**	**38.62N–.02**	**142.93E–.02**	**26**	**5.6s,5.5b**	**1128**	**1-160**
NIED	XII	03 23 16 00	38.50N	143.20E	23	5.8W,5.5b		¶13401822
IDC	XII	03 23 16 51.9–.37	38.53N	142.97E	0	5.6s,5.6		
JMA	XII	03 23 16 53.2–.10	38.53N	143.22E	24–3	6.1,5.6		
ISCJB	XII	03 23 16 54.9–.11	38.57N–.02	142.97E–.02	25	5.6s,5.5b		
NEIC	XII	03 23 16 54.9–.13	38.59N	142.88E	14	5.8W,5.8W		
MOS	XII	03 23 16 56.0–.86	38.82N	142.89E	24	5.7b,5.6s		
BJI	XII	03 23 16 56.2	38.55N	142.32E	14	6.1s,6.1b		
GCMT	XII	03 23 16 58.7–.10	38.56N	143.18E	24–0	5.8W,6.1b		
TEH	XII	03 23 16 59.0	38.57N	142.76E	35	5.8W,6.1b		
SZGRF	XII	03 23 17 00.4	39.27N	143.91E	39	6.1b,5.8s		
DJA	XII	03 23 17 10	38.58N	143.10E	157	5.5W,5.8s		
BGS	XII	03 23 18 03.7–2.4	45.07N	122.34E	10–0	5.6s,5.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ68.00000°,λ91.00000°. NP2:ϕ_s200.00000°,δ22.00000°,λ87.00000°. $M_0$5.07000×10^{17}
IDC Error ellipse: s-maj=11.9km s-min=8.8km az=103.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=145.1.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=149.0. Recorded [3 JMA] in Miyagi and Yamagata; [2 JMA] in Akita, Aomori, Fukushima and Iwate; [1 JMA] in Chiba, Ibaraki and Saitama. Also recorded [1 JMA] in southwestern Hokkaido. Moment Tensor Solution. s98 Moment tensor: Scale 10^{17}Nm; M_{rr}2.66 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-2.51 $M_{r\theta}$2.05 $M_{\theta\phi}$-2.04 $M_{\phi r}$4.49 Best double couple: NP1:ϕ_s25.00000°,δ74.00000°,λ86.00000°. NP2:ϕ_s219.00000°,δ17.00000°,λ104.00000°. Principal axes: T 5.3700,Plg61.0000°,Azm288.0000° ; N 0.9900,Plg3.0000°,Azm25.0000°; P -6.3700,Plg28.0000°,Azm118.0000° $M_0$5.90000×10^{17} Moment Tensor Solution. $M_0$5.10000×10^{17}
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=106.4.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=109, comp=242, per= 50. Moment Tensor Solution. s96,c192; s53,c58; Moment tensor: Scale 10^{17}Nm; M_{rr}3.33±.06 $M_{\theta\theta}$-0.04±.04; $M_{\phi\phi}$-3.30±.04; $M_{r\theta}$1.72±.07; $M_{\theta\phi}$-1.02±.03; $M_{\phi r}$4.09±.10; Best double couple: NP1:ϕ_s190.00000°,δ19.00000°,λ79.00000°. NP2:ϕ_s21.00000°,δ71.00000°,λ94.00000°. Principal axes: T 5.5100,Plg64.0000°,Azm298.0000°; N 0.2200,Plg4.0000°,Azm200.0000° ; P -5.7400,Plg26.0000°,Azm108.0000° $M_0$5.60000×10^{17}
SZGRF Off east coast of Honshu, Japan.
BGS Error ellipse: s-maj=650.1km s-min=999.9km az=-1.0.

ISC	**XII**	**04 03 10 56.7–.09**	**38.64N–.02**	**142.90E–.02**	**24**	**5.3b,5.1s**	**1243**	**1-154**
NIED	XII	04 03 10 00	38.50N	143.10E	23	5.3W,5.1s		¶13401835
BJI	XII	04 03 10 51.7	38.53N	142.81E	7	5.7b,5.5s		
IDC	XII	04 03 10 51.6–.43	38.51N	143.07E	0	4.9s,4.9		
JMA	XII	04 03 10 53.2–.10	38.54N	143.12E	17–3	5.5,4.9		
ISCJB	XII	04 03 10 54.8–.09	38.60N–.02	142.90E–.02	23	5.3b,5.1s		
NEIC	XII	04 03 10 55.0–.14	38.57N	142.89E	16	5.3b,5.3W		
MOS	XII	04 03 10 56.1–.77	38.81N	142.86E	26	5.6b,5.3s		
TEH	XII	04 03 10 58.0	38.61N	142.79E	35	5.6b,5.3s		
SZGRF	XII	04 03 10 59.8	39.10N	143.88E	33	5.4b,5.1s		
GCMT	XII	04 03 10 59.6–.20	38.58N	143.21E	31–0	5.3W,5.1s		
DJA	XII	04 03 11 03	38.74N	141.47E	10	5.3b,5.1s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ66.00000°,λ90.00000°. NP2:ϕ_s204.00000°,δ24.00000°,λ90.00000°. $M_0$1.14000×10^{17}
IDC Error ellipse: s-maj=14.4km s-min=10.7km az=99.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=161.8.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=147.0. Recorded [3 JMA] in Miyagi; [2 JMA] in Aomori, Fukushima, Iwate and Yamagata; [1 JMA] in Akita, Ibaraki and Saitama. Moment Tensor Solution. s76 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s26.00000°,δ68.00000° ,λ89.00000°. NP2:ϕ_s210.00000°,δ23.00000°,λ94.00000°. Principal axes: T 1.0300,Plg67.0000°,Azm293.0000°; N 0.1900,Plg1.0000°,Azm26.0000° ; P -1.2200,Plg22.0000°,Azm117.0000° $M_0$1.10000×10^{17} Moment Tensor Solution. $M_0$1.10000×10^{17}
MOS Error ellipse: s-maj=7.0km s-min=3.8km az=114.7.
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=189, per= 50. Moment Tensor Solution. s68,c119; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s192.00000°,δ19.00000° ,λ81.00000°. NP2:ϕ_s22.00000°,δ71.00000°,λ93.00000°. Principal axes: T 1.2300,Plg63.0000°,Azm297.0000°; N 0.1900,Plg3.0000°,Azm201.0000° ; P -1.4200,Plg26.0000°,Azm110.0000° $M_0$1.30000×10^{17}

ISC	**XII**	**04 08 29 39.2–.32**	**37.57N–.03**	**141.42E–.04**	**54**	**4.6b,3.7s**	**199**	**0-146**
NIED	XII	04 08 29 00	37.50N	141.50E	50	4.3W,3.7s		¶13401871
BJI	XII	04 08 29 29.8	37.44N	141.55E	5	5.0b,4.7s		
MOS	XII	04 08 29 36.7–1.1	37.61N	141.50E	52	4.7b,4.7s		
ISCJB	XII	04 08 29 36.9–.33	37.54N–.03	141.52E–.04	52	4.6b,3.7s		
JMA	XII	04 08 29 38.6–.10	37.51N	141.44E	49–1	4.4,3.7s		
NEIC	XII	04 08 29 38.8–.77	37.55N	141.37E	48–6	4.7b,4.2W		
IDC	XII	04 08 29 39.2–.52	37.60N	141.49E	52–3	4.2,4.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ69.00000°,λ93.00000°. NP2:ϕ_s204.00000°,δ21.00000°,λ83.00000°. $M_0$2.75000×10^{15}
MOS Error ellipse: s-maj=8.8km s-min=6.5km az=114.9.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.5km az=43.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s39.00000°,δ66.00000°,λ95.00000°. NP2:ϕ_s206.00000°,δ24.00000°,λ78.00000°. Principal axes: T Plg68.0000°,Azm319.0000°; N Plg5.0000°,Azm217.0000°; P Plg21.0000° ,Azm125.0000°
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=4.9km az=139.0. Recorded [3 JMA] in Fukushima, [2 JMA] in Miyagi and [1 JMA] in Ibaraki, Iwate and Tochigi. Moment Tensor Solution. $M_0$2.80000×10^{15}
IDC Error ellipse: s-maj=12.6km s-min=8.7km az=140.0.

ISC	**XII**	**04 10 13 45.7–1.5**	**38.41N–.04**	**142.09E–.08**	**25–10**	**3.6b**	**30**	**1-62**
NIED	XII	04 10 13 00	38.50N	142.20E	26	3.5W		¶11751589
IDC	XII	04 10 13 41.8–1.2	38.30N	142.47E	0	3.5,3.4b		
ISCJB	XII	04 10 13 44.0–1.3	38.40N–.04	142.20E–.08	28–8	3.6b,3.4b		
JMA	XII	04 10 13 45.4–.10	38.46N	142.16E	32–2	3.7,3.4b		
NEIC	XII	04 10 13 45.4	38.46N	142.16E	32	3.8b,3.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s264.00000°,δ89.00000°,λ-142.00000°. NP2:ϕ_s173.00000°,δ52.00000°,λ-1.00000°. $M_0$1.77000×10^{14}
IDC Error ellipse: s-maj=41.5km s-min=19.9km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=6.1km az=24.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.

ISC	**XII**	**05 18 08 15.0–.69**	**34.58N–.08**	**140.58E–.06**	**42–8**	**3.2b**	**24**	**0-58**
IDC	XII	05 18 08 13.0–1.8	34.36N	136.47E	0	3.4,3.3b		¶12075910
ISCJB	XII	05 18 08 13.9–.72	34.58N–.07	140.59E–.06	51–7	3.2b,3.3b		
JMA	XII	05 18 08 13.8–.10	34.67N	140.64E	55–1	2.4,3.3b		

IDC Error ellipse: s-maj=55.4km s-min=23.4km az=113.0.
ISCJB Error ellipse: s-maj=13.3km s-min=6.6km az=24.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

JMA	**XII**	**06 14 42 00.9–.10**	**36.95N**	**141.43E**	**68–1**	**3.5**		**¶15513557**

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**06 21 02 46.9–.47**	**36.75N–.04**	**141.35E–.04**	**35**	**4.1b,3.2s**	**66**	**1-147**
NIED	XII	06 21 02 00	36.70N	141.30E	32	3.9W,3.2s		¶11751616
IDC	XII	06 21 02 41.1–.71	36.68N	141.44E	0	4.0,3.9		
ISCJB	XII	06 21 02 44.7–.47	36.72N–.03	141.45E–.04	33	4.1b,3.2s		
NEIC	XII	06 21 02 46.6–1.0	36.74N	141.42E	36–8	4.2,3.2s		
JMA	XII	06 21 02 46.3–.10	36.74N	141.29E	47–2	3.9,3.2s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ73.00000°,λ-108.00000°. NP2:ϕ_s82.00000°,δ25.00000°,λ-45.00000°. $M_0$8.68000×10^{14}
IDC Error ellipse: s-maj=18.6km s-min=16.8km az=125.0.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=4.1km az=144.9.
NEIC Event type fe. Error ellipse: s-maj=12.4km s-min=7.2km az=140.0. Recorded [1 JMA] in Fukushima.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**06 21 38 01.4–1.0**	**37.16N–.05**	**141.68E–.07**	**35**	**3.5b**	**32**	**1-61**
IDC	XII	06 21 37 59.1–1.1	38.09N	141.14E	0	3.6,3.5b		¶11751617
ISCJB	XII	06 21 38 00.8–1.2	37.15N–.05	141.66E–.08	33	3.5b,3.5b		
NIED	XII	06 21 38 00	37.20N	141.50E	56	3.8W,3.5b		
JMA	XII	06 21 38 02.6–.10	37.23N	141.44E	76–1	4.1,3.5b		
NEIC	XII	06 21 38 04.3–.93	38.05N	141.00E	35	4.1,3.5b		

ISC Event type fe.
IDC Error ellipse: s-maj=30.3km s-min=23.2km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.4km az=29.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s247.00000°,δ70.00000°,λ100.00000°. NP2:ϕ_s40.00000°,δ22.00000°,λ65.00000°. $M_0$5.70000×10^{14}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s127.00000°,δ53.00000°,λ-111.00000°. NP2: ϕ_s340.00000°,δ42.00000°,λ-64.00000°. Principal axes: T Plg6.0000°,Azm232.0000° ; N Plg17.0000°,Azm140.0000°; P Plg72.0000°,Azm341.0000°
NEIC Event type fe. Error ellipse: s-maj=21.7km s-min=15.0km az=126.0. Recorded [2 JMA] in Fukushima and [1 JMA] in Tochigi.

ISC	**XII**	**06 22 31 53.9–.42**	**38.47N–.02**	**141.19E–.03**	**8–2**	**4.4b**	**143**	**0-146**
NIED	XII	06 22 31 00	38.50N	141.20E	5	4.0W		¶13402115
JMA	XII	06 22 31 53.8	38.47N	141.18E	13–1	4.3		
ISCJB	XII	06 22 31 53.4–.43	38.44N–.03	141.22E–.04	19–2	4.4b		
MOS	XII	06 22 31 56.0–.94	38.46N	141.21E	43	4.5b		
NEIC	XII	06 22 31 58.1–.66	38.47N	141.17E	40–5	4.8b,4.0W		
IDC	XII	06 22 31 58.9–1.9	38.47N	141.05E	47–18	4.0,3.9		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ64.00000°,λ82.00000°. NP2:ϕ_s13.00000°,δ27.00000°,λ106.00000°. $M_0$1.28000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s180.00000°,δ64.00000°,λ76.00000°. NP2:ϕ_s29.00000°,δ29.00000°,λ116.00000°. Principal axes: T Plg68.0000°,Azm63.0000°; N Plg12.0000°,Azm186.0000°; P Plg18.0000° ,Azm280.0000°
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.6km az=37.0.
MOS Error ellipse: s-maj=10.5km s-min=8.4km az=90.1.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=4.8km az=132.0. Recorded [4 JMA] in Miyagi, [2 JMA] in Iwate and [1 JMA] in Akita and Yamagata. Moment Tensor Solution. $M_0$1.30000×10^{15}
IDC Error ellipse: s-maj=17.1km s-min=10.8km az=115.0.

ISC	**XII**	**06 23 28 38.5–1.7**	**36.72N–.04**	**141.53E–.04**	**20–10**	**4.2b,3.4s**	**85**	**1-83**
NIED	XII	06 23 28 00	36.70N	141.40E	29	4.1W,3.4s		¶11751620
ISCJB	XII	06 23 28 38.5–1.1	36.73N–.05	141.60E–.07	34–7	4.2b,3.4s		
JMA	XII	06 23 28 40.0–.20	36.70N	141.35E	47–3	4.1,3.4s		
NEIC	XII	06 23 28 41.4–1.7	36.67N	141.61E	47–12	4.9b,4.1W		
IDC	XII	06 23 28 41.8–2.5	36.67N	141.53E	53–20	3.9L,3.7		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ83.00000°,λ81.00000°. NP2:ϕ_s251.00000°,δ12.00000°,λ143.00000°. $M_0$1.57000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=5.7km az=36.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=18.4km s-min=11.8km az=139.0. Recorded [2 JMA] in Fukushima and [1 JMA] in Ibaraki, Miyagi and Tochigi. Moment Tensor Solution. $M_0$1.60000×10^{15}
IDC Error ellipse: s-maj=18.8km s-min=13.3km az=129.0.

ISC	**XII**	**07 21 50 23.2–.44**	**40.89N–.03**	**142.05E–.05**	**61–4**	**3.9b**	**75**	**1-71**
ISCJB	XII	07 21 50 22.2–.44	40.88N–.03	142.05E–.05	70–3	3.8b		¶12076250
JMA	XII	07 21 50 22.4–.10	40.90N	142.14E	51–3	3.5		
MOS	XII	07 21 50 22.0–.78	40.88N	142.36E	83	4.0b		
NEIC	XII	07 21 50 24.2–.67	40.88N	142.20E	78–7	4.1b		
IDC	XII	07 21 50 27.1–6.4	40.80N	141.95E	98–53	3.5b,3.5		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.6km az=31.1.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=15.4km s-min=9.5km az=83.8.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=6.6km az=104.0.
IDC Error ellipse: s-maj=63.4km s-min=22.2km az=71.0.

ISC	**XII**	**09 09 35 41.3–1.3**	**36.40N–.05**	**141.12E–.07**	**33–6**	**3.9b**	**35**	**0-60**
ISCJB	XII	09 09 35 40.8–1.3	36.39N–.07	141.12E–.09	42–10	3.9b		¶12076512
IDC	XII	09 09 35 40.4–5.7	36.16N	141.15E	35–45	3.7,3.7b		
JMA	XII	09 09 35 41.5–.10	36.39N	141.03E	47–1	3.4,3.7b		
NEIC	XII	09 09 35 41.6	36.39N	141.03E	47	3.4,3.7b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.6km s-min=6.9km az=43.3.
IDC Error ellipse: s-maj=31.0km s-min=26.8km az=122.0.
JMA Event type fe.
NEIC Event type se. After JMA.

JMA	**XII**	**12 11 48 30.2–.10**	**38.30N**	**141.86E**	**46–1**	**3.6**		
NIED	XII	12 11 48 00	38.30N	141.90E	41	3.5W		¶11751670

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ82.00000°,λ103.00000°. NP2:ϕ_s135.00000°,δ16.00000°,λ30.00000°. $M_0$2.05000×10^{14}

ISC	**XII**	**14 10 25 41.8–.69**	**36.41N–.03**	**141.00E–.03**	**34–4**	**4.8b,4.0s**	**428**	**0-147**
NIED	XII	14 10 25 00	36.40N	141.10E	29	4.6W,4.0s		¶13402712
BJI	XII	14 10 25 36.1	36.38N	141.42E	27	5.0b,4.8b		
ISCJB	XII	14 10 25 40.5–.51	36.43N–.03	141.05E–.03	37–4	4.8b,4.0s		
IDC	XII	14 10 25 41.9–.62	36.34N	140.98E	39–4	4.6L,4.5		
NEIC	XII	14 10 25 41.0	36.38N	141.05E	45	4.9b,4.6W		
JMA	XII	14 10 25 41.0–.10	36.38N	141.05E	45–1	4.4,4.6W		
MOS	XII	14 10 25 41.7–.72	36.76N	140.92E	33	5.0b,4.6W		
SZGRF	XII	14 10 25 43.9	37.46N	140.43E	33	4.8b,4.6W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ71.00000°,λ109.00000°. NP2:ϕ_s184.00000°,δ27.00000°,λ46.00000°. $M_0$8.69000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.7km az=155.1.
IDC Error ellipse: s-maj=12.8km s-min=12.3km az=165.0.
NEIC Event type fe. Recorded [3 JMA] in Ibaraki and Tochigi; [2 JMA] in Chiba and Fukushima; [1 JMA] in Gumma, Miyagi and Saitama. After JMA. Moment Tensor Solution. $M_0$8.70000×10^{15}
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s42.00000°,δ67.00000°,λ93.00000°. NP2:ϕ_s215.00000°,δ23.00000°,λ83.00000°. Principal axes: T Plg68.0000°,Azm318.0000°; N Plg3.0000°,Azm221.0000°; P Plg22.0000° ,Azm130.0000°

MOS Error ellipse: s-maj=7.5km s-min=4.7km az=105.4.
SZGRF Eastern Honshu, Japan.
ISC XII 17 13 10 42.2–.57 40.12N–.03 142.44E–.06 42–4 4.4b,3.4s 128 0-72
NIED XII 17 13 10 00 40.10N 142.50E 41 4.0W,3.4s **¶12077918**
BJI XII 17 13 10 34.9 39.60N 144.00E 81 4.8b,4.6b
MOS XII 17 13 10 39.5–1.5 40.11N 142.39E 33 4.3b,4.6b
ISCJB XII 17 13 10 41.0–.57 40.11N–.03 142.46E–.06 51–4 4.4b,3.4s
JMA XII 17 13 10 41.1–.10 40.12N 142.46E 35–1 4.1,3.4s
NEIC XII 17 13 10 43.7–.88 40.13N 142.47E 62–7 4.7b,4.0W
IDC XII 17 13 10 44.1–2.6 40.11N 142.38E 67–23 3.7,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ77.00000°,λ104.00000°. NP2:ϕ_s165.00000°,δ19.00000°,λ43.00000°. $M_0$1.28000×10^{15}
MOS Error ellipse: s-maj=11.1km s-min=8.3km az=69.2.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.2km az=22.9.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=13.4km s-min=7.2km az=122.0. Recorded [1 JMA] in Iwate. Moment Tensor Solution. $M_0$1.30000×10^{15}
IDC Error ellipse: s-maj=21.0km s-min=15.2km az=100.0.
ISC XII 17 20 43 40.9–1.9 39.16N–.03 142.40E–.06 18–12 3.8b 40 1-63
NIED XII 17 20 43 00 39.20N 142.40E 23 3.8W **¶11751729**
IDC XII 17 20 43 35.5–1.1 39.30N 143.16E 0 3.9,3.7b
NEIC XII 17 20 43 37.0–2.1 39.27N 143.02E 8–13 4.3b,3.7b
ISCJB XII 17 20 43 39.9–1.3 39.12N–.03 142.48E–.09 25–7 3.8b,3.7b
JMA XII 17 20 43 41.6–.10 39.16N 142.38E 31–1 3.7,3.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ85.00000°,λ51.00000°. NP2:ϕ_s256.00000°,δ40.00000°,λ172.00000°. $M_0$6.17000×10^{14}
IDC Error ellipse: s-maj=32.2km s-min=20.4km az=87.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=9.2km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.6km az=7.5.
ISC XII 18 06 47 13.2–.09 38.51N–.02 143.00E–.02 28 5.3b,5.2s 1218 1-154
NIED XII 18 06 47 00 38.40N 143.40E 23 5.3W,5.2s **¶13403119**
IDC XII 18 06 47 07.3–.45 38.36N 143.22E 0 4.9,4.9
JMA XII 18 06 47 07.3–.20 38.37N 143.44E 27 5.5,4.9
BJI XII 18 06 47 08.6 38.49N 142.90E 10 5.6b,5.5b
ISCJB XII 18 06 47 11.3–.10 38.50N–.02 142.99E–.02 26 5.3b,5.2s
NEIC XII 18 06 47 13.6–1.4 38.43N 143.00E 35–9 5.4b,5.3W
MOS XII 18 06 47 13.2–.84 38.71N 142.94E 33 5.7b,5.3s
SZGRF XII 18 06 47 13.0 39.32N 143.58E 32 5.5b,5.3s
GCMT XII 18 06 47 14.0–.20 38.44N 143.32E 21–0 5.3W,5.3s
DJA XII 18 06 47 26 38.36N 142.57E 124 5.3b,5.3s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ58.00000°,λ88.00000°. NP2:ϕ_s205.00000°,δ32.00000°,λ93.00000°. $M_0$9.63000×10^{16}
IDC Error ellipse: s-maj=13.6km s-min=12.0km az=109.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=1.6km az=162.5.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.1km az=144.0. Felt at Misawa. Recorded [3 JMA] in Miyagi; [2 JMA] in Akita, Aomori and Iwate; [1 JMA] in Fukushima and Yamagata. Moment Tensor Solution. s31 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s30.00000°,δ66.00000°,λ89.00000°. NP2:ϕ_s213.00000°,δ24.00000°,λ93.00000°. Principal axes: T 1.1000,Plg68.0000° ,Azm297.0000°; N -0.0400,Plg1.0000°,Azm30.0000°; P -1.0600,Plg21.0000°,Azm121.0000° $M_0$1.10000×10^{17} Moment Tensor Solution. $M_0$9.60000×10^{16}
MOS Error ellipse: s-maj=6.1km s-min=3.7km az=106.9.
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: ll IU IC G CN. Surface waves: sta= 97, comp=190, per= 50. Moment Tensor Solution. s72,c105; s8,c8; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s194.00000°,δ20.00000° ,λ83.00000°. NP2:ϕ_s21.00000°,δ70.00000°,λ93.00000°. Principal axes: T 1.1200,Plg65.0000°,Azm296.0000°; N 0.0200,Plg2.0000°,Azm201.0000° ; P -1.1400,Plg25.0000°,Azm109.0000° $M_0$1.10000×10^{17}
ISC XII 19 06 52 59.8–.36 40.98N–.03 141.97E–.04 60–2 4.7b 259 1-148
MOS XII 19 06 52 54.8–.95 40.84N 141.85E 33 4.9b **¶13403263**
ISCJB XII 19 06 52 58.9–.36 40.98N–.03 141.97E–.04 66–2 4.5b
BJI XII 19 06 52 59.2 41.01N 142.09E 77 5.2b,4.8b
JMA XII 19 06 52 59.1–.10 40.97N 142.01E 56–2 4.1,4.8b
NIED XII 19 06 53 00 41.00N 142.00E 53 4.3W,4.8b
IDC XII 19 06 53 01.4–1.7 40.97N 141.91E 77–14 4.1,4.0
NEIC XII 19 06 53 01.4–.54 40.99N 142.01E 77–4 4.9b,4.3W
ISC Event type fe.
MOS Error ellipse: s-maj=11.1km s-min=6.5km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=28.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s29.00000°,δ86.00000°,λ92.00000°. NP2: ϕ_s178.00000°,δ5.00000°,λ58.00000°. Principal axes: T Plg49.0000°,Azm302.0000° ; N Plg2.0000°,Azm209.0000°; P Plg41.0000°,Azm117.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ71.00000°,λ91.00000°. NP2:ϕ_s199.00000°,δ19.00000°,λ88.00000°. $M_0$3.34000×10^{15}
IDC Error ellipse: s-maj=14.9km s-min=10.2km az=122.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=4.7km az=136.0. Felt [II] at Misawa. Recorded [3 JMA] in Aomori and [1 JMA] in Iwate. Also recorded [1 JMA] in southwestern Hokkaido. Moment Tensor Solution. $M_0$3.30000×10^{15}
ISC XII 20 04 41 37.6–.45 40.91N–.03 142.08E–.06 57–4 4.2b 42 1-66
NIED XII 20 04 41 00 40.90N 142.10E 44 3.6W **¶11751751**
IDC XII 20 04 41 29.3–1.2 40.85N 142.20E 0 3.9,3.8b
ISCJB XII 20 04 41 36.5–.45 40.90N–.03 142.09E–.06 66–4 4.1b,3.8b
JMA XII 20 04 41 37.2–.10 40.91N 142.12E 52–2 3.8,3.8b
NEIC XII 20 04 41 38.9–.74 40.90N 142.19E 75–7 4.4b,3.8b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ71.00000°,λ107.00000°. NP2:ϕ_s175.00000°,δ25.00000°,λ50.00000°. $M_0$3.09000×10^{14}
IDC Error ellipse: s-maj=46.6km s-min=22.6km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.7km az=31.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=7.8km az=107.0.
ISC XII 20 14 51 08.2–.96 36.24N–.04 141.53E–.04 17–5 4.5b,4.0s 215 1-147
NIED XII 20 14 51 00 36.30N 141.50E 23 4.4W,4.0s **¶13403481**
BJI XII 20 14 51 03.6 36.28N 141.73E 12 4.9b,4.6b
IDC XII 20 14 51 05.8–.52 36.21N 141.44E 0 4.5,4.4
ISCJB XII 20 14 51 07.3–.95 36.20N–.04 141.59E–.05 25–6 4.5b,4.0s
NEIC XII 20 14 51 07.9–2.2 36.20N 141.50E 15–14 4.8b,4.3W
MOS XII 20 14 51 08.0–1.1 36.23N 141.57E 29 4.9b,4.3W
JMA XII 20 14 51 09.4–.10 36.26N 141.42E 55–3 4.2,4.3W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ68.00000°,λ90.00000°. NP2:ϕ_s210.00000°,δ22.00000°,λ91.00000°. $M_0$4.15000×10^{15}
IDC Error ellipse: s-maj=15.1km s-min=12.9km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=6.1km az=139.6.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=4.5km az=91.0. Recorded [1 JMA] in Chiba, Ibaraki and Tochigi. Moment Tensor Solution. $M_0$4.20000×10^{15}
MOS Error ellipse: s-maj=9.7km s-min=6.0km az=126.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 20 19 40 37.6–1.4 37.09N–.08 141.5E–.20 53–8 3.7b 48 1-64
NIED XII 20 19 40 00 36.70N 142.30E 17 3.9W **¶15518546**
JMA XII 20 19 40 27.5–.30 36.66N 142.25E 34 3.8
IDC XII 20 19 40 33.4–.94 36.98N 140.94E 0 3.7,3.6b
NEIC XII 20 19 40 39.6–1.8 37.21N 141.19E 54–15 4.2b,3.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s19.00000°,δ64.00000°,λ79.00000°. NP2:ϕ_s224.00000°,δ28.00000°,λ112.00000°. $M_0$7.79000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=26.1km s-min=21.1km az=93.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=13.4km az=129.0.
ISC XII 20 23 57 21.9–.55 40.84N–.04 141.38E–.07 88–4 3.2b 26 0-46
ISCJB XII 20 23 57 20.9–.54 40.84N–.04 141.37E–.07 94–4 3.2b **¶12078398**
JMA XII 20 23 57 21.4–.10 40.84N 141.42E 88–1 3.0
IDC XII 20 23 57 23.2–2.3 40.92N 141.25E 98–18 3.1,3.0b
ISCJB Error ellipse: s-maj=9.2km s-min=5.6km az=13.9.
IDC Error ellipse: s-maj=32.8km s-min=15.9km az=127.0.

ISC XII 21 08 20 04.6–.67 36.79N–.05 140.70E–.06 83–4 3.3b 36 0-57
ISCJB XII 21 08 20 03.4–.69 36.79N–.06 140.72E–.06 90–4 3.3b **¶12078432**
IDC XII 21 08 20 03.7–3.2 36.76N 140.87E 75–31 3.5,3.3
JMA XII 21 08 20 05.0–.10 36.78N 140.63E 81–1 3.4,3.3
NEIC XII 21 08 20 05.0 36.78N 140.63E 81 3.4,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=6.2km az=143.6.
IDC Error ellipse: s-maj=31.9km s-min=18.7km az=129.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.
JMA XII 23 09 16 08.1–.10 38.70N 142.25E 37–2 3.7
NIED XII 23 09 16 00 38.70N 142.20E 68 3.6W **¶11751798**
JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ69.00000°,λ-93.00000°. NP2:ϕ_s58.00000°,δ21.00000°,λ-83.00000°. $M_0$2.92000×10^{14}
ISC XII 24 15 11 40.7–1.2 37.06N–.07 141.72E–.09 42–10 3.7b 37 1-74
NIED XII 24 15 11 00 37.10N 141.70E 35 3.8W **¶11751826**
IDC XII 24 15 11 22.4–4.6 35.98N 143.16E 0 3.8b,3.8
NEIC XII 24 15 11 30.7–2.6 36.47N 142.45E 10 4.4b,3.8
ISCJB XII 24 15 11 38.8–1.2 37.07N–.07 141.84E–.09 45–9 3.7b,3.8
JMA XII 24 15 11 40.0–.20 37.06N 141.69E 46–3 3.7,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ86.00000°,λ104.00000°. NP2:ϕ_s127.00000°,δ15.00000°,λ18.00000°. $M_0$4.91000×10^{14}
IDC Error ellipse: s-maj=81.5km s-min=49.5km az=142.0.
NEIC Event type se. Error ellipse: s-maj=47.1km s-min=15.2km az=144.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=7.7km az=39.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 28 05 56 24.3–.95 38.71N–.05 142.29E–.08 42–10 3.5b 40 1-89
ISCJB XII 28 05 56 23.4–.97 38.72N–.05 142.31E–.09 49–9 3.5b **¶12079245**
NEIC XII 28 05 56 24.4 38.71N 142.25E 37 4.0
JMA XII 28 05 56 24.4–.10 38.70N 142.25E 37–2 4.0
IDC XII 28 05 56 29.2–3.5 38.53N 142.13E 93–31 3.4,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.2km s-min=5.4km az=27.3.
NEIC Event type fe. Recorded [1 JMA] in Iwate and Miyagi. After JMA.
JMA Event type fe.
IDC Error ellipse: s-maj=29.1km s-min=18.5km az=82.0.
ISC XII 30 15 48 33.8–.39 35.47N–.03 140.79E–.04 45–3 4.8b,4.1s 457 0-148
NIED XII 30 15 48 00 35.50N 141.10E 32 4.7W,4.1s **¶15526487**
MOS XII 30 15 48 30.6–.83 35.38N 140.73E 33 5.0b,4.0s
JMA XII 30 15 48 32.5–.10 35.53N 140.94E 43–1 4.7,4.0s
ISCJB XII 30 15 48 33.2–.39 35.42N–.03 140.72E–.04 54–3 4.8b,4.1s
BJI XII 30 15 48 33.4 35.61N 140.63E 58 5.0b,4.9b
IDC XII 30 15 48 33.3–.64 35.40N 140.70E 41–5 4.4,4.4
NEIC XII 30 15 48 33.1–.17 35.40N 140.71E 41 5.1b,4.6W
SZGRF XII 30 15 48 44.1 35.82N 139.82E 33 4.7b,4.6W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ88.00000°,λ73.00000°. NP2:ϕ_s274.00000°,δ17.00000°,λ174.00000°. $M_0$1.11000×10^{16}
MOS Error ellipse: s-maj=9.7km s-min=4.8km az=116.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s144.00000°,δ63.00000°,λ-79.00000°. NP2: ϕ_s301.00000°,δ29.00000°,λ-110.00000°. Principal axes: T Plg17.0000°,Azm226.0000° ; N Plg10.0000°,Azm319.0000°; P Plg70.0000°,Azm77.0000°
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=4.9km az=141.8.
IDC Error ellipse: s-maj=12.8km s-min=10.7km az=92.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=4.1km az=121.0. Recorded [2 JMA] in Chiba and Ibaraki; [1 JMA] in Kanagawa and Tochigi. Moment Tensor Solution. $M_0$1.10000×10^{16}
SZGRF Near south coast of eastern Honshu, Japan.
ISC XII 31 21 55 48.3–.59 35.96N–.05 140.56E–.09 31–6 3.3b 17 0-60
IDC XII 31 21 55 41.6–2.5 36.15N 141.21E 0 3.4,3.2b **¶12079704**
ISCJB XII 31 21 55 47.7–.64 35.96N–.05 140.58E–.08 40–7 3.3b,3.2b
JMA XII 31 21 55 48.1 35.92N 140.54E 36–1 3.1,3.2b
ISC Event type fe.
IDC Error ellipse: s-maj=62.4km s-min=24.7km az=46.0.
ISCJB Event type fe. Error ellipse: s-maj=11.7km s-min=6.0km az=146.9.
JMA Event type fe.

(229) Off east coast of Honshu.

ISC VII 05 22 05 46.2–.14 36.06N–.03 142.31E–.02 31 4.7b,4.5s 475 1-151
NIED VII 05 22 05 00 36.00N 142.40E 8 4.7W,4.5s **¶13503874**
IDC VII 05 22 05 40.3–.47 35.86N 142.43E 0 4.5,4.5b
JMA VII 05 22 05 43.0–.20 35.95N 142.38E 79–5 4.9,4.5b
ISCJB VII 05 22 05 44.2–.15 36.06N–.03 142.31E–.02 29 4.7b,4.5s
NEIC VII 05 22 05 44.7–2.3 36.09N 142.30E 18–14 4.8b,4.7W
BJI VII 05 22 05 45.4 36.17N 142.09E 29 5.0b,4.8s
MOS VII 05 22 05 46.5–.94 36.28N 142.25E 37 5.0b,4.7s
SZGRF VII 05 22 05 51.3 36.31N 141.17E 30 5.0b,4.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s206.00000°,δ63.00000°,λ98.00000°. NP2:ϕ_s9.00000°,δ28.00000°,λ76.00000°. $M_0$1.31000×10^{16}
IDC Error ellipse: s-maj=13.1km s-min=11.5km az=144.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=2.4km az=171.5.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.6km az=145.0. Moment Tensor Solution. $M_0$1.30000×10^{16}
MOS Error ellipse: s-maj=7.7km s-min=5.0km az=111.0.
SZGRF Near east coast of eastern Honshu, Japan.
ISC VII 08 19 27 19.3–2.2 35.67N–.05 142.51E–.08 27–22 3.7b 24 1-60
IDC VII 08 19 27 15.5–2.0 35.63N 142.69E 0 3.9L,3.9 **¶12698088**
ISCJB VII 08 19 27 18.4–.98 35.69N–.05 142.55E–.08 41–15 3.7b,3.9
JMA VII 08 19 27 22.1–.20 35.75N 142.17E 78–4 3.3,3.9
IDC Error ellipse: s-maj=45.2km s-min=27.0km az=82.0.
ISCJB Error ellipse: s-maj=11.4km s-min=8.0km az=177.8.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC VII 12 19 54 19.7–1.6 36.64N–.03 142.20E–.06 13–11 3.7b 47 1-146
NIED VII 12 19 54 00 36.70N 142.20E 17 3.8W **¶13506519**
IDC VII 12 19 54 17.9–1.0 36.63N 142.32E 0 3.8,3.7
ISCJB VII 12 19 54 19.3–1.5 36.63N–.03 142.29E–.05 25–12 3.7b,3.7
JMA VII 12 19 54 19.1–.30 36.65N 142.22E 17–4 3.7,3.7
NEIC VII 12 19 54 22.8–.77 36.69N 142.23E 35 4.0b,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s331.00000°,δ82.00000°,λ-98.00000°. NP2:ϕ_s198.00000°,δ11.00000°,λ-44.00000°. $M_0$5.32000×10^{14}
IDC Error ellipse: s-maj=26.0km s-min=20.2km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.9km az=3.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=13.3km az=221.0.
ISC VII 16 19 16 26.6–.69 33.41N–.04 141.15E–.06 43–8 3.9b 41 1-93
NIED VII 16 19 16 00 33.50N 141.10E 71 3.9W **¶11747040**
ISCJB VII 16 19 16 25.9–.74 33.43N–.04 141.14E–.07 54–7 3.9b
JMA VII 16 19 16 26.7–.20 33.49N 141.08E 63–5 3.5
NEIC VII 16 19 16 26.6–2.1 33.27N 141.04E 39–19 4.3b
IDC VII 16 19 16 27.5–2.6 33.38N 141.07E 48–22 3.9L,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ74.00000°,λ150.00000°. NP2:ϕ_s102.00000°,δ61.00000°,λ19.00000°. $M_0$6.77000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.2km az=170.2.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=30.7km s-min=15.7km az=76.0.
IDC Error ellipse: s-maj=39.2km s-min=13.6km az=74.0.
ISC VII 19 02 28 40.7–1.9 34.55N–.06 141.6E–.10 16–10 3.5b 12 1-58
ISCJB VII 19 02 28 39.9–1.8 34.53N–.06 141.7E–.10 24–10 3.5b **¶12698301**
JMA VII 19 02 28 39.5–.50 34.46N 141.64E 28–2 2.5
IDC VII 19 02 28 46.8–1.5 33.63N 138.00E 0 3.5,3.4b
ISCJB Error ellipse: s-maj=16.3km s-min=9.2km az=167.8.
JMA Error ellipse: s-maj=3.3km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=26.4km s-min=23.6km az=84.0.
ISC VII 19 02 39 29.7–.06 37.54N–.01 142.26E–.01 28 7.2s,6.2b 2211 1-164
NIED VII 19 02 39 00 37.50N 142.30E 35 6.9W,6.2b **¶13389545**

IDC VII 19 02 39 24.9–.34 37.52N 142.28E 0 7.0s,7.0
ISCJB VII 19 02 39 27.7–.06 37.49N–.01 142.28E–.01 27 7.2s,6.2b
NEIC VII 19 02 39 28.7–.09 37.55N 142.21E 22 7.0s,7.0W
BJI VII 19 02 39 28.4 37.56N 141.91E 22 7.2s,7.2
BGS VII 19 02 39 28.4–1.5 37.87N 141.91E 20–0 7.4s,6.0b
JMA VII 19 02 39 28.6–.20 37.52N 142.26E 32–4 6.9,6.0b
MOS VII 19 02 39 29.2–.90 37.64N 142.24E 33 7.3s,6.4b
DJA VII 19 02 39 34 37.47N 142.13E 58 7.1W,6.4b
SZGRF VII 19 02 39 34.2 38.70N 142.66E 33 7.6s,6.4b
GCMT VII 19 02 39 34.8–.00 37.47N 142.42E 22–0 6.9W,6.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ72.00000°,λ80.00000°. NP2:ϕ_s234.00000°,δ20.00000°,λ119.00000°. $M_0$2.39000×10^{19}
IDC Error ellipse: s-maj=12.8km s-min=9.6km az=96.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=162.8.
NEIC Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=172.0. Felt [III] at Misawa, Tokyo and Yokohama; [II] at Yamato. Felt as far west as Niigata and as far south as Mishima. A small tsunami was observed along the coast of Fukushima and Miyagi. Recorded [4 JMA] in Fukushima, Iwate, Miyagi and Tochigi; [3 JMA] in Akita, Aomori, Chiba, Gumma, Ibaraki, Kanagawa, Nagano, Niigata, Saitama, Tokyo, Yamagata and Yamanashi; [2 JMA] in Aichi and Shizuoka; [1 JMA] in Gifu, Ishikawa and Shiga. Also recorded [2 JMA] in southern Hokkaido and [1 JMA] on Nii-jima. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ80.00000°,λ90.00000°. NP2: ϕ_s205.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm295.0000° ; N Plg0.0000°,Azm0.0000°; P Plg38.0000°,Azm120.0000° Moment Tensor Solution. s194 Moment tensor: Scale 10^{19}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-0.79 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.14 $M_{\phi r}$1.79 Best double couple: NP1:ϕ_s23.00000°,δ77.00000°,λ92.00000°. NP2:ϕ_s191.00000° ,δ13.00000°,λ79.00000°. Principal axes: T 2.2900,Plg57.0000°,Azm295.0000° ; N -0.2500,Plg2.0000°,Azm201.0000°; P -2.0400,Plg32.0000°,Azm110.0000° $M_0$2.20000×10^{19} Moment Tensor Solution. $M_0$2.40000×10^{19} Moment Tensor Solution. $M_0$2.90000×10^{19}
BGS Error ellipse: s-maj=149.1km s-min=393.9km az=-1.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=6.0km s-min=3.7km az=108.2. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s194.00000°,δ21.00000°,λ63.00000°. NP2: ϕ_s42.00000°,δ71.00000°,λ100.00000°. Principal axes: T Plg63.0000°,Azm327.0000° ; N Plg9.0000°,Azm219.0000°; P Plg25.0000°,Azm124.0000° $M_0$7.80000×10^{19}
SZGRF Near east coast of eastern Honshu, Japan.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 105 sta. Surface waves: sta=120, comp=312, per= 50. Moment Tensor Solution. s113,c302; s99,c244; Moment tensor: Scale 10^{19}Nm; M_{rr}1.53±.01 $M_{\theta\theta}$-0.17±.01; $M_{\phi\phi}$-1.35±.01; $M_{r\theta}$0.96±.02; $M_{\theta\phi}$-0.54 $M_{\phi r}$2.31±.03; Best double couple: NP1:ϕ_s200.00000°,δ16.00000° ,λ88.00000°. NP2:ϕ_s22.00000°,δ74.00000°,λ91.00000°. Principal axes: T 2.9300,Plg61.0000°,Azm293.0000°; N 0.0300,Plg1.0000°,Azm202.0000° ; P -2.9500,Plg29.0000°,Azm112.0000° $M_0$2.90000×10^{19}

ISC VII 19 02 47 29.5–.12 37.56N–.03 142.43E–.02 30 6.0s,5.3b 773 1-154
IDC VII 19 02 47 24.4–.38 37.49N 142.51E 0 5.1,5.1 **¶13389548**
BJI VII 19 02 47 24.6 37.71N 142.76E 25 5.7b,5.4b
JMA VII 19 02 47 25.6–.30 37.50N 142.63E 19–5 5.5,5.4b
ISCJB VII 19 02 47 27.6–.12 37.53N–.03 142.45E–.02 28 6.0s,5.3b
MOS VII 19 02 47 28.3–1.1 37.69N 142.50E 33 5.6b,5.3b
NEIC VII 19 02 47 29.4–1.3 37.56N 142.40E 31–8 5.3b,5.3b
ISC Event type fe.
IDC Error ellipse: s-maj=13.5km s-min=9.6km az=101.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=169.4.
MOS Error ellipse: s-maj=9.5km s-min=6.6km az=98.2.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=148.0. Recorded [2 JMA] in Miyagi and [1 JMA] in Fukushima, Ibaraki, Iwate and Yamagata.

JMA VII 19 03 18 34.3–.20 39.74N 144.39E 44 3.5
¶13508974
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.

ISC VII 19 03 21 06.8–1.2 37.58N–.05 142.37E–.06 0–6 3.8b 30 1-61
JMA VII 19 03 21 06.8–.20 37.58N 142.44E 14–3 3.8 **¶12698303**
ISCJB VII 19 03 21 07.1–1.3 37.53N–.05 142.46E–.06 16–9 3.7b
IDC VII 19 03 21 07.9–1.6 37.31N 142.72E 0 3.8b,3.8
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Error ellipse: s-maj=8.9km s-min=8.0km az=141.8.
IDC Error ellipse: s-maj=34.6km s-min=20.9km az=83.0.

ISC VII 19 06 13 00.7–2.1 37.38N–.05 142.21E–.09 28–20 4.0b 27 1-89
ISCJB VII 19 06 12 59.5–.94 37.37N–.05 142.32E–.08 33 4.0b **¶12698304**
JMA VII 19 06 12 59.3–.20 37.38N 142.25E 31–5 4.0
IDC VII 19 06 13 13.1–3.8 37.72N 141.01E 74–35 3.8,3.6b
ISCJB Error ellipse: s-maj=9.4km s-min=6.5km az=32.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=29.7km s-min=19.9km az=82.0.

JMA VII 19 06 50 36.2–.20 37.55N 142.64E 23 3.6
¶13509038
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA VII 19 07 21 03.8–.10 37.47N 142.79E 42 3.5
¶13509048
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC VII 19 12 31 18.0–2.1 37.55N–.04 142.62E–.07 23–17 3.5b 32 1-61
IDC VII 19 12 31 14.6–1.2 37.45N 142.74E 0 4.2,4.2s **¶11812060**
ISCJB VII 19 12 31 17.0–2.0 37.51N–.05 142.70E–.07 32–17 3.5b,4.2s
JMA VII 19 12 31 16.2–.20 37.54N 142.64E 20–4 3.7,4.2s
NEIC VII 19 12 31 16.3 37.54N 142.64E 20 3.7,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=20.7km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.9km az=2.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. After JMA.

ISC VII 19 13 01 28.5–1.5 37.29N–.03 142.68E–.04 23–11 4.1b 76 1-89
NIED VII 19 13 01 00 37.30N 142.70E 26 4.3W **¶13389582**
NEIC VII 19 13 01 24.9–3.5 37.28N 142.77E 1–21 4.4b
IDC VII 19 13 01 24.9–.68 37.26N 142.78E 0 4.2,4.1
ISCJB VII 19 13 01 26.7–1.4 37.27N–.03 142.75E–.04 26–10 4.2b,4.1
JMA VII 19 13 01 27.9–.10 37.29N 142.72E 44 4.5,4.1
MOS VII 19 13 01 27.5–.90 37.28N 142.76E 33 4.7b,4.1
BJI VII 19 13 01 29.8 37.62N 142.02E 5 4.8b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ64.00000°,λ95.00000°. NP2:ϕ_s203.00000°,δ26.00000°,λ81.00000°. $M_0$3.49000×10^{15}
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.0km az=131.0.
IDC Error ellipse: s-maj=18.0km s-min=15.5km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.0km az=139.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=12.1km s-min=9.1km az=106.7.

ISC VII 19 18 04 04.2–1.8 37.49N–.04 142.72E–.06 28–15 3.8b 40 1-75
NIED VII 19 18 04 00 37.50N 142.70E 23 3.6W **¶11747068**
NEIC VII 19 18 04 00.3–.87 37.29N 143.01E 10 4.2b
JMA VII 19 18 04 02.8–.20 37.52N 142.69E 24–5 3.7
ISCJB VII 19 18 04 03.1–.65 37.49N–.04 142.77E–.05 33 3.8b
IDC VII 19 18 04 07.4–4.1 37.17N 142.89E 67–38 3.5L,3.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ68.00000°,λ63.00000°. NP2:ϕ_s271.00000°,δ34.00000°,λ138.00000°. $M_0$3.11000×10^{14}
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=16.5km az=148.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=5.4km az=27.2.
IDC Error ellipse: s-maj=30.3km s-min=17.5km az=64.0.

ISC VII 19 21 36 28.6–.75 38.71N–.04 144.41E–.06 35 3.9b 42 2-68
NIED VII 19 21 36 00 38.60N 144.30E 5 3.4W **¶11747072**
IDC VII 19 21 36 23.5–1.8 38.50N 144.62E 0 3.9,3.9
ISCJB VII 19 21 36 26.7–.78 38.71N–.04 144.41E–.06 33 3.9b,3.9
JMA VII 19 21 36 28.0–.20 38.62N 144.27E 33 3.6,3.9
NEIC VII 19 21 36 28.7–1.6 38.58N 144.48E 35 3.6,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s209.00000°,δ53.00000°,λ-67.00000°. NP2:ϕ_s354.00000°,δ43.00000°,λ-117.00000°. $M_0$1.66000×10^{14}
IDC Error ellipse: s-maj=40.9km s-min=24.4km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.4km az=33.2.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=15.7km az=111.0.

ISC VII 20 01 36 31.1–2.0 37.34N–.06 142.60E–.09 14–16 3.7b 30 1-50
IDC VII 20 01 36 22.9–8.3 36.83N 143.32E 0 3.6b,3.5 **¶11812123**
NEIC VII 20 01 36 26.7–10 37.21N 143.17E 10 4.1b,3.5
JMA VII 20 01 36 30.0–.10 37.30N 142.71E 29 3.6,3.5
ISC Event type se.
IDC Error ellipse: s-maj=155.4km s-min=50.9km az=151.0.
NEIC Event type se. Error ellipse: s-maj=198.0km s-min=18.5km az=137.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC VII 20 02 22 55.0–.93 37.54N–.03 142.87E–.03 17–5 4.7b,4.4s 342 2-97
NIED VII 20 02 22 00 37.50N 143.10E 17 4.6W,4.4s **¶11133980**
ISCJB VII 20 02 22 53.0–.83 37.52N–.03 142.92E–.03 16–5 4.7b,4.4s
BJI VII 20 02 22 52.6 37.59N 142.75E 12 4.9b,4.8b
JMA VII 20 02 22 53.0–.20 37.49N 143.06E 38 4.9,4.8b
NEIC VII 20 02 22 53.9–.32 37.56N 142.87E 10 4.8b,4.6W
IDC VII 20 02 22 56.9–4.0 37.51N 142.98E 33–30 4.3,4.3
MOS VII 20 02 22 57.2–.89 37.82N 142.72E 33 5.1b,4.5s
SZGRF VII 20 02 23 07.7 39.51N 142.71E 33 5.0b,4.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ62.00000°,λ77.00000°. NP2: ϕ_s213.00000°,δ31.00000°,λ113.00000°. $M_0$9.21000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=144.9.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.2km az=162.0. Moment Tensor Solution. $M_0$9.20000×10^{15}
IDC Error ellipse: s-maj=18.4km s-min=13.7km az=152.0.
MOS Error ellipse: s-maj=8.0km s-min=4.6km az=110.8.
SZGRF Near east coast of eastern Honshu, Japan.

ISC VII 20 02 36 38.1–1.7 37.54N–.03 142.94E–.05 13–11 4.2b,3.8s 90 2-150
NIED VII 20 02 36 00 37.50N 143.10E 17 4.4W,3.8s **¶11480060**
JMA VII 20 02 36 35.7–.20 37.51N 143.10E 25 4.3,3.8s
ISCJB VII 20 02 36 36.7–1.5 37.52N–.04 143.00E–.06 17–10 4.2b,3.8s
NEIC VII 20 02 36 37.6–.38 37.58N 143.03E 10 4.5b,4.4W
MOS VII 20 02 36 39.0–1.0 37.55N 143.01E 33 4.7b,4.4W
IDC VII 20 02 36 40.8–4.7 37.48N 142.98E 32–34 3.9b,3.9
BJI VII 20 02 36 42.5 37.85N 142.08E 15 4.8b,4.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s15.00000°,δ59.00000°,λ82.00000°. NP2:ϕ_s210.00000°,δ32.00000°,λ103.00000°. $M_0$4.38000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.2km az=27.1.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.4km az=152.0. Moment Tensor Solution. $M_0$4.40000×10^{15}
MOS Error ellipse: s-maj=11.8km s-min=8.2km az=115.0.
IDC Error ellipse: s-maj=19.8km s-min=16.5km az=75.0.

ISC VII 20 20 48 10.3–.34 37.47N–.03 142.84E–.04 33 4.5b,4.0s 173 2-145
NIED VII 20 20 48 00 37.40N 143.00E 14 4.5W,4.0s **¶13389685**
JMA VII 20 20 48 06.4–.20 37.41N 143.03E 40 4.8,4.0s
ISCJB VII 20 20 48 08.1–.34 37.44N–.03 142.88E–.04 31 4.5b,4.0s
MOS VII 20 20 48 08.9–1.1 37.53N 142.85E 33 4.9b,4.0s
IDC VII 20 20 48 09.8–.59 37.41N 142.91E 31–3 4.1,4.0
NEIC VII 20 20 48 10.0–.35 37.48N 142.91E 31 4.8b,4.5W
BJI VII 20 20 48 14.6 37.86N 142.00E 30 4.7b,4.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ72.00000°,λ76.00000°. NP2: ϕ_s222.00000°,δ23.00000°,λ126.00000°. $M_0$6.67000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.3km az=45.0.
MOS Error ellipse: s-maj=10.0km s-min=6.3km az=112.9.
IDC Error ellipse: s-maj=14.9km s-min=13.2km az=148.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.7km az=145.0. Moment Tensor Solution. $M_0$6.70000×10^{15}

ISC VII 20 22 41 06.1–.51 37.45N–.03 142.81E–.05 35 4.0b 60 2-81
IDC VII 20 22 40 58.6–1.6 37.05N 143.22E 0 3.9,3.9 **¶11747086**
NIED VII 20 22 41 00 37.50N 142.80E 29 3.9W,3.9
NEIC VII 20 22 41 00.9–.82 37.24N 143.06E 10 4.3b,3.9
ISCJB VII 20 22 41 03.8–.50 37.43N–.03 142.88E–.04 33 4.0b,3.9
JMA VII 20 22 41 04.9–.10 37.47N 142.77E 35 3.8,3.9
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=22.3km az=138.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s35.00000°,δ72.00000°,λ110.00000°. NP2:ϕ_s164.00000°,δ27.00000°,λ43.00000°. $M_0$6.95000×10^{14}
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=11.6km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.3km az=36.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC VII 20 23 02 07.8–.92 37.45N–.03 142.78E–.07 37–8 3.9b 50 2-75
NIED VII 20 23 02 00 37.50N 142.80E 20 3.9W **¶11747087**
NEIC VII 20 23 02 03.3–1.0 37.28N 142.88E 10 4.3b
JMA VII 20 23 02 06.2–.10 37.46N 142.79E 34 3.9
ISCJB VII 20 23 02 07.0–.90 37.43N–.03 142.76E–.07 47–7 3.9b
IDC VII 20 23 02 10.2–4.9 37.61N 142.81E 39–32 4.1s,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ73.00000°,λ107.00000°. NP2:ϕ_s175.00000°,δ23.00000°,λ46.00000°. $M_0$7.65000×10^{14}
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=14.0km az=125.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.3km az=10.2.
IDC Error ellipse: s-maj=54.7km s-min=24.1km az=147.0.

ISC VII 21 04 33 54.8–1.4 37.52N–.06 142.9E–.10 35 20 2-74
NIED VII 21 04 33 00 37.50N 142.80E 11 3.6W **¶11747089**
JMA VII 21 04 33 53.0–.20 37.50N 142.83E 30 3.7
IDC VII 21 04 33 59.1–4.7 37.36N 142.31E 0 3.8,3.7b
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s302.00000°,δ63.00000°,λ34.00000°. NP2:ϕ_s195.00000°,δ60.00000°,λ148.00000°. $M_0$2.91000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=111.1km s-min=32.2km az=158.0.

ISC VII 21 07 26 29.0–1.4 36.26N–.03 142.06E–.04 12–8 4.2b,3.8s 108 1-147
NIED VII 21 07 26 00 36.20N 142.10E 23 4.3W,3.8s **¶11480071**
IDC VII 21 07 26 26.9–.63 36.16N 142.08E 0 4.2,4.1
ISCJB VII 21 07 26 28.4–1.2 36.26N–.03 142.12E–.05 21–8 4.2b,3.8s
JMA VII 21 07 26 29.2–.10 36.24N 142.10E 70–4 4.0,3.8s
MOS VII 21 07 26 29.0–1.1 36.28N 142.13E 27 4.4b,3.8s
BJI VII 21 07 26 30.4 36.20N 142.00E 35 4.5b,4.4b
NEIC VII 21 07 26 32.4–1.3 36.18N 142.02E 36–11 4.6b,4.3W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ63.00000°,λ74.00000°. NP2: ϕ_s219.00000°,δ31.00000°,λ118.00000°. $M_0$3.66000×10^{15}
IDC Error ellipse: s-maj=16.1km s-min=14.7km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.5km az=19.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=11.3km s-min=7.7km az=106.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=8.4km az=181.0. Moment Tensor Solution. $M_0$3.70000×10^{15}

ISC VII 21 09 01 05.0–.89 37.76N–.02 142.66E–.03 15–5 5.0b,4.8s 415 1-145
NIED VII 21 09 01 00 37.80N 142.70E 26 5.0W,4.8s **¶11134019**
BJI VII 21 09 01 01.9 37.67N 142.65E 16 5.1b,5.0b
IDC VII 21 09 01 02.6–.47 37.77N 142.58E 0 4.6b,4.6
ISCJB VII 21 09 01 02.6–.76 37.74N–.02 142.73E–.02 11–4 5.0b,4.8s
JMA VII 21 09 01 03.0–.20 37.72N 142.84E 28–3 5.2,4.8s
MOS VII 21 09 01 04.0–.93 38.02N 142.49E 11 5.2b,5.0s
NEIC VII 21 09 01 04.6–.18 37.82N 142.56E 10 5.1b,5.0W
GCMT VII 21 09 01 09.3–.30 37.79N 142.91E 38–1 5.0W,5.0W
SZGRF VII 21 09 01 15.4 39.81N 143.07E 33 5.1b,5.1s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ69.00000°,λ89.00000°. NP2:ϕ_s199.00000°,δ21.00000°,λ93.00000°. $M_0$3.97000×10^{16}
IDC Error ellipse: s-maj=14.0km s-min=11.0km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=156.1.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=7.6km s-min=4.5km az=108.8.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.5km az=143.0. Recorded [2 JMA] in Fukushima, Iwate and Miyagi; [1 JMA] in Akita, Aomori, Tochigi and Yamagata. Moment Tensor Solution. $M_0$4.00000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c41; s72,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}3.63±.22 $M_{\theta\theta}$-0.62±.13; $M_{\phi\phi}$-3.01±.13; $M_{r\theta}$1.17±.11; $M_{\theta\phi}$-1.20±.07; $M_{\phi r}$2.73±.11; Best double couple: NP1:ϕ_s202.00000°,δ25.00000°,λ89.00000°. NP2:ϕ_s23.00000°,δ65.00000°,λ90.00000°. Principal axes: T 4.7000,Plg70.0000° ,Azm294.0000°; N -0.1200,Plg0.0000°,Azm203.0000°; P -4.5800,Plg20.0000° ,Azm113.0000° $M_0$4.60000×10^{16}
SZGRF Off east coast of Honshu, Japan.

ISC	**VII**	**21 11 04 33.2–.47**	**33.27N–.04**	**142.25E–.04**	**35**	**3.9b**	**65**	**2-92**	
NIED	VII	21 11 04 00	33.20N	142.30E	5	3.9W			¶13389732
IDC	VII	21 11 04 27.9–.70	33.18N	142.24E	0	4.0,4.0			
ISCJB	VII	21 11 04 31.3–.48	33.29N–.04	142.27E–.04	33	3.9b,4.0			
NEIC	VII	21 11 04 31.1	33.22N	142.26E	64	3.9,4.0			
JMA	VII	21 11 04 31.1–.30	33.22N	142.26E	64	3.9,4.0			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s125.00000°,δ57.00000°,λ-101.00000°. NP2:ϕ_s325.00000°,δ35.00000°,λ-73.00000°. $M_0$6.72000×10^{14}

IDC	Error ellipse: s-maj=17.3km s-min=16.0km az=0.0.								
ISCJB	Event type se. Error ellipse: s-maj=6.5km s-min=4.5km az=34.5.								
NEIC	Event type se. After JMA.								
JMA	Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.								
ISC	**VII**	**21 11 30 30.7–.07**	**37.21N–.01**	**142.08E–.01**	**30**	**5.8s,5.8b**	**1754**	**1-161**	
NIED	VII	21 11 30 00	37.10N	142.30E	29	5.8W,5.8b			¶11812258
IDC	VII	21 11 30 25.7–.33	37.18N	142.09E	0	5.6,5.6s			
JMA	VII	21 11 30 26.6–.20	37.14N	142.34E	27–4	6.1,5.6s			
MOS	VII	21 11 30 27.0–.77	37.33N	142.10E	14	6.0b,5.9s			
ISCJB	VII	21 11 30 28.7–.07	37.18N–.01	142.10E–.01	28	5.8s,5.8b			
BJI	VII	21 11 30 29.1	37.19N	141.67E	22	6.1b,6.0s			
NEIC	VII	21 11 30 29.3–.09	37.19N	142.05E	22	6.0W,5.9			
SZGRF	VII	21 11 30 30.8	37.85N	143.37E	33	6.1b,6.1s			
GCMT	VII	21 11 30 34.1–.10	37.16N	142.30E	30–0	5.9W,6.1s			
BGS	VII	21 11 30 35.4–1.5	37.38N	141.36E	22–0	6.0s,5.9b			
DJA	VII	21 11 30 56	37.09N	141.34E	242	5.7W,5.9b			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ67.00000°,λ87.00000°. NP2:ϕ_s208.00000°,δ23.00000°,λ97.00000°. $M_0$6.51000×10^{17}

IDC	Error ellipse: s-maj=12.2km s-min=8.2km az=111.0.								
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.								
MOS	Error ellipse: s-maj=5.9km s-min=3.5km az=106.1.								
ISCJB	Event type fe. Error ellipse: s-maj=2.2km s-min=1.4km az=162.8.								

NEIC Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=158.0. Felt [IV] at Misawa and [III] at Tokyo. Also felt at Daigo, Hamura, Kamakura, Morioka, Musashino, Narita, Niigata, Tsukuba, Urawa and Yokosuka. Recorded [4 JMA] in Fukushima and Miyagi; [3 JMA] in Ibaraki, Iwate, Niigata, Saitama, Tochigi and Yamagata; [2 JMA] in Akita, Aomori, Chiba, Gumma, Kanagawa, Nagano, Shizuoka, Tokyo and Yamanashi; [1 JMA] in Gifu. Also recorded [1 JMA] in southern Hokkaido. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s25.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s205.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm295.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm115.0000° Moment Tensor Solution. s135 Moment tensor: Scale 10^{17}Nm; M_{rr}3.23 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-3.43 $M_{r\theta}$1.84 $M_{\theta\phi}$-0.14 $M_{\phi r}$4.07 Best double couple: NP1:ϕ_s20.00000°,δ72.00000°,λ101.00000°. NP2:ϕ_s166.00000° ,δ21.00000°,λ58.00000°. Principal axes: T 5.6400,Plg61.0000°,Azm306.0000° ; N -0.1200,Plg10.0000°,Azm196.0000°; P -5.5100,Plg26.0000°,Azm100.0000° $M_0$5.60000×10^{17} Moment Tensor Solution. $M_0$6.50000×10^{17}

SZGRF Off east coast of Honshu, Japan.

GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=110, comp=253, per= 50. Moment Tensor Solution. s91,c207; s70,c91; Moment tensor: Scale 10^{17}Nm; M_{rr}5.34±.07 $M_{\theta\theta}$-0.49±.05; $M_{\phi\phi}$-4.84±.05; $M_{r\theta}$3.31±.10; $M_{\theta\phi}$-2.58±.04; $M_{\phi r}$6.67±.13; Best double couple: NP1:ϕ_s203.00000°,δ19.00000°,λ87.00000°. NP2:ϕ_s26.00000°,δ71.00000°,λ91.00000°. Principal axes: T 9.0200,Plg64.0000°,Azm298.0000°; N 0.7100,Plg1.0000°,Azm206.0000° ; P -9.7200,Plg26.0000°,Azm115.0000° $M_0$9.40000×10^{17}

BGS	Error ellipse: s-maj=250.5km s-min=614.7km az=-1.0.								
ISC	**VII**	**21 14 14 11.3–.86**	**37.16N–.04**	**142.35E–.06**	**35**	**3.5b**	**32**	**1-57**	
NIED	VII	21 14 14 00	37.20N	142.40E	32	3.7W			¶11747106
JMA	VII	21 14 14 07.8–.20	37.16N	142.39E	21–4	4.1			
IDC	VII	21 14 14 08.1–2.0	36.98N	142.64E	0	3.7b,3.7			
ISCJB	VII	21 14 14 09.6–.86	37.14N–.04	142.40E–.06	33	3.5b,3.7			

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ54.00000°,λ67.00000°. NP2:ϕ_s209.00000°,δ42.00000°,λ118.00000°. $M_0$4.26000×10^{14}

ISC	**VII**	**21 17 22 55.5–.98**	**37.20N–.03**	**142.27E–.04**	**4–5**	**4.2b,3.6s**	**112**	**1-89**	
NIED	VII	21 17 22 00	37.20N	142.30E	32	4.2W,3.6s			¶13510187
ISCJB	VII	21 17 22 54.7–1.0	37.16N–.03	142.36E–.04	15–6	4.2b,3.6s			
JMA	VII	21 17 22 56.0–.20	37.16N	142.33E	29–4	4.6,3.6s			
MOS	VII	21 17 22 57.6–1.1	37.32N	142.22E	27	4.5b,3.6s			
NEIC	VII	21 17 22 59.3–2.6	37.30N	142.15E	26–18	4.5b,4.2W			
IDC	VII	21 17 23 00.7–3.0	37.21N	142.14E	38–25	4.0,3.9L			
BJI	VII	21 17 23 01.6	37.50N	141.54E	25	4.7b,4.6b			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ65.00000°,λ94.00000°. NP2:ϕ_s188.00000°,δ26.00000°,λ81.00000°. $M_0$2.29000×10^{15}

ISCJB	Event type fe. Error ellipse: s-maj=6.0km s-min=5.0km az=21.0.								
JMA	Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.								
MOS	Error ellipse: s-maj=10.5km s-min=6.8km az=107.6.								

NEIC Event type fe. Error ellipse: s-maj=12.7km s-min=7.8km az=144.0. Recorded [1 JMA] in Fukushima and Miyagi. Moment Tensor Solution. $M_0$2.30000×10^{15}

IDC	Error ellipse: s-maj=19.0km s-min=16.9km az=125.0.								
ISC	**VII**	**21 23 29 01.5–1.1**	**37.12N–.05**	**142.36E–.08**	**46–9**	**4.0b**	**41**	**1-62**	
ISCJB	VII	21 23 29 00.2–1.1	37.11N–.05	142.38E–.08	56–7	4.0b			¶11747114
JMA	VII	21 23 29 00.5–.20	37.10N	142.31E	39	3.6			
NIED	VII	21 23 29 00	37.10N	142.30E	32	3.5W			
IDC	VII	21 23 29 00.1–3.5	37.37N	142.29E	0	3.5,3.4b			
NEIC	VII	21 23 29 01.4–2.5	37.11N	142.36E	39–18	4.2b,3.4b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.6km az=33.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ62.00000°,λ96.00000°. NP2:ϕ_s157.00000°,δ29.00000°,λ79.00000°. $M_0$1.92000×10^{14}

IDC	Error ellipse: s-maj=84.9km s-min=26.3km az=157.0.								
NEIC	Event type se. Error ellipse: s-maj=32.4km s-min=16.1km az=135.0.								
ISC	**VII**	**22 06 56 57.6–1.3**	**37.74N–.04**	**142.39E–.06**	**9–7**	**3.9b,3.7s**	**34**	**1-74**	
NIED	VII	22 06 56 00	37.70N	142.30E	23	3.9W,3.7s			¶11747116
IDC	VII	22 06 56 54.9–1.5	37.73N	142.73E	0	4.1,4.0b			
JMA	VII	22 06 56 59.2–.20	37.70N	142.32E	33–3	4.1,4.0b			

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s33.00000°,δ87.00000°,λ107.00000°. NP2:ϕ_s131.00000°,δ18.00000°,λ9.00000°. $M_0$7.89000×10^{14}

IDC	Error ellipse: s-maj=34.0km s-min=20.5km az=80.0.								
JMA	Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.								
ISC	**VII**	**22 08 46 51.2–.09**	**37.76N–.02**	**142.27E–.02**	**30**	**5.3b,5.2s**	**1138**	**1-160**	
NIED	VII	22 08 46 00	37.70N	142.40E	26	5.2W,5.2s			¶11136693
BJI	VII	22 08 46 45.2	37.61N	142.19E	6	5.4b,5.3s			
IDC	VII	22 08 46 45.7–.49	37.66N	142.44E	0	5.1,5.1			
NEIC	VII	22 08 46 47.9–.11	37.73N	142.31E	10	5.2b,5.2W			
JMA	VII	22 08 46 48.5–.10	37.69N	142.37E	30–3	5.5,5.2W			
ISCJB	VII	22 08 46 49.3–.09	37.76N–.02	142.28E–.01	28	5.3b,5.2s			
PDG	VII	22 08 46 49.4	37.80N	142.30E	30	5.5b,5.2s			
MOS	VII	22 08 46 50.0–.84	37.97N	142.26E	28	5.5b,5.2s			
GCMT	VII	22 08 46 51.9–.20	37.77N	142.33E	12	5.4W,5.2s			
DJA	VII	22 08 47 00	38.66N	142.91E	117	5.3b,5.2s			
SZGRF	VII	22 08 47 10.2	39.00N	139.56E	33	5.6b,5.3s			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ80.00000°,λ89.00000°. NP2:ϕ_s209.00000°,δ10.00000°,λ95.00000°. $M_0$8.22000×10^{16}

IDC	Error ellipse: s-maj=13.7km s-min=12.2km az=117.0.								

NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.2km az=156.0. Recorded [3 JMA] in Fukushima and Miyagi; [2 JMA] in Akita, Iwate, Tochigi and Yamagata; [1 JMA] in Aomori, Gumma and Ibaraki. Moment Tensor Solution. $M_0$8.20000×10^{16}

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.6km az=169.2.
PDG Event type ke.
MOS Error ellipse: s-maj=6.2km s-min=3.9km az=100.3.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s51,c71; s88,c144; Moment tensor: Scale 10^{17}Nm; M_{rr}0.06±.01 $M_{\theta\theta}$-0.01±.01; $M_{\phi\phi}$-0.05±.01; $M_{r\theta}$0.51±.02; $M_{\theta\phi}$-0.08±.01; $M_{\phi r}$1.25±.02; Best double couple: NP1:ϕ_s248.00000°,δ3.00000°,λ136.00000°. NP2:ϕ_s22.00000°,δ88.00000°,λ88.00000°. Principal axes: T 1.3300,Plg47.0000° ,Azm290.0000°; N 0.0400,Plg2.0000°,Azm22.0000°; P -1.3700,Plg43.0000°,Azm114.0000° $M_0$1.40000×10^{17}
SZGRF Near west coast of eastern Honshu, Japan.

JMA	**VII**	**22 09 02 20.6–.20**	**37.58N**	**142.73E**	**26–5**	**3.6**			
									¶13510482
JMA	Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.								
ISC	**VII**	**22 14 58 46.2–1.8**	**36.94N–.03**	**142.76E–.07**	**24–15**	**3.6b**	**37**	**2-61**	
IDC	VII	22 14 58 42.9–1.4	36.84N	142.87E	0	3.6b,3.6			¶11812367
NEIC	VII	22 14 58 44.3–1.1	36.94N	142.90E	10	3.4,3.6			
ISCJB	VII	22 14 58 45.2–1.8	36.94N–.03	142.81E–.07	32–15	3.6b,3.6			
JMA	VII	22 14 58 45.3–.20	36.96N	142.79E	40	3.4,3.6			

ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=22.6km az=117.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=13.2km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.2km az=20.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**VII**	**22 16 08 45.1–.43**	**37.50N–.03**	**143.06E–.04**	**35**	**4.0s,4.0b**	**84**	**2-89**	
NIED	VII	22 16 08 00	37.50N	143.20E	11	4.1W,4.0b			¶11480083
IDC	VII	22 16 08 39.7–.89	37.43N	143.24E	0	3.9s,3.9			
MOS	VII	22 16 08 40.6–1.0	37.48N	143.28E	21	4.4b,3.9			
NEIC	VII	22 16 08 41.4–.61	37.51N	143.23E	10	4.6b,4.0W			
BJI	VII	22 16 08 42.1	37.95N	142.74E	5	4.8b,4.3b			
JMA	VII	22 16 08 42.0–.10	37.45N	143.15E	44	4.1,4.3b			
ISCJB	VII	22 16 08 42.9–.43	37.48N–.03	143.12E–.04	33	4.0s,4.0b			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s358.00000°,δ73.00000°,λ64.00000°. NP2:ϕ_s237.00000°,δ31.00000°,λ144.00000°. $M_0$1.43000×10^{15}
NEIC Event type se. Moment Tensor Solution. $M_0$1.40000×10^{15}
ISCJB Event type se.

ISC	**VII**	**22 16 28 09.7–1.5**	**37.49N–.03**	**142.81E–.05**	**25–11**	**3.9b**	**69**	**2-151**	
NIED	VII	22 16 28 00	37.50N	142.90E	20	4.0W			¶11480084
IDC	VII	22 16 28 05.3–.94	37.38N	143.04E	0	3.8,3.8			
BJI	VII	22 16 28 05.2	36.53N	142.94E	34	4.5b,4.1b			
NEIC	VII	22 16 28 07.2–4.1	37.44N	143.05E	13–24	4.4b,4.1b			
MOS	VII	22 16 28 07.6–.67	37.49N	142.94E	25	4.4b,4.1b			
JMA	VII	22 16 28 08.4–.10	37.46N	142.87E	42	3.9,4.1b			
ISCJB	VII	22 16 28 08.4–1.4	37.45N–.03	142.87E–.05	31–11	3.9b,4.1b			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ72.00000°,λ83.00000°. NP2: ϕ_s209.00000°,δ19.00000°,λ111.00000°. $M_0$1.13000×10^{15}
NEIC Event type se.
ISCJB Event type se.

ISC	**VII**	**22 20 15 34.6–2.2**	**37.48N–.05**	**142.41E–.09**	**31–18**	**3.9b**	**31**	**1-61**	
NIED	VII	22 20 15 00	37.40N	142.40E	29	3.7W			¶11747130
IDC	VII	22 20 15 29.4–1.7	37.49N	142.70E	0	3.7,3.7b			
ISCJB	VII	22 20 15 30.2–2.0	37.46N–.05	142.68E–.09	22–16	3.9b,3.7b			
NEIC	VII	22 20 15 31.0–1.3	37.49N	142.61E	10	4.5b,3.7W			
JMA	VII	22 20 15 32.5–.20	37.42N	142.41E	25–4	3.9,3.7W			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ65.00000°,λ85.00000°. NP2:ϕ_s214.00000°,δ25.00000°,λ100.00000°. $M_0$4.19000×10^{14}

IDC	Error ellipse: s-maj=34.0km s-min=21.2km az=89.0.								
ISCJB	Event type se. Error ellipse: s-maj=12.2km s-min=7.8km az=24.9.								

NEIC Event type se. Error ellipse: s-maj=22.2km s-min=18.3km az=108.0. Moment Tensor Solution. $M_0$4.20000×10^{14}

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**VII**	**23 01 49 46.5–1.6**	**37.50N–.04**	**142.99E–.05**	**17–10**	**4.2b**	**87**	**2-89**	
NIED	VII	23 01 49 00	37.50N	143.00E	17	4.2W			¶13389862
NEIC	VII	23 01 49 45.2–.50	37.53N	143.12E	10	4.5b,4.1W			
ISCJB	VII	23 01 49 45.5–1.5	37.51N–.04	143.02E–.05	23–10	4.2b,4.1W			
MOS	VII	23 01 49 46.5–.91	37.64N	143.06E	28	4.6b,4.1W			
JMA	VII	23 01 49 46.5–.20	37.54N	142.97E	38	4.3,4.1W			
IDC	VII	23 01 49 48.0–.81	37.46N	143.12E	29–3	4.0,3.9L			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ67.00000°,λ76.00000°. NP2: ϕ_s219.00000°,δ26.00000°,λ119.00000°. $M_0$2.02000×10^{15}
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.0km az=148.0. Moment Tensor Solution. $M_0$2.00000×10^{15}

ISCJB	Event type se. Error ellipse: s-maj=7.8km s-min=5.2km az=35.1.								
MOS	Error ellipse: s-maj=11.9km s-min=8.6km az=104.6.								
JMA	Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.								
IDC	Error ellipse: s-maj=18.3km s-min=15.1km az=158.0.								
ISC	**VII**	**23 22 10 54.0–.94**	**37.61N–.04**	**143.12E–.08**	**38–8**	**4.1b**	**43**	**2-73**	
NIED	VII	23 22 10 00	37.60N	143.00E	17	3.7W			¶11747136
IDC	VII	23 22 10 50.1–3.9	37.61N	143.23E	0	3.8,3.8b			
ISCJB	VII	23 22 10 51.9–.99	37.61N–.04	143.19E–.08	41–8	4.1b,3.8b			
NEIC	VII	23 22 10 51.7–1.0	37.44N	143.46E	35	4.6b,3.7W			
JMA	VII	23 22 10 52.9–.20	37.57N	143.05E	45	3.6,3.7W			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ67.00000°,λ89.00000°. NP2:ϕ_s194.00000°,δ23.00000°,λ93.00000°. $M_0$3.77000×10^{14}

IDC	Error ellipse: s-maj=76.8km s-min=29.9km az=113.0.								
ISCJB	Event type se. Error ellipse: s-maj=10.4km s-min=5.9km az=11.3.								

NEIC Event type se. Error ellipse: s-maj=18.8km s-min=12.0km az=114.0. Moment Tensor Solution. $M_0$3.80000×10^{14}

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**VII**	**25 00 34 08.1–1.8**	**37.55N–.04**	**142.77E–.05**	**31–14**	**4.6b**	**50**	**1-81**	
NIED	VII	25 00 34 00	37.60N	142.70E	17	4.4W			¶13390024
IDC	VII	25 00 34 05.3–2.1	37.63N	142.54E	0	4.6,4.5			
MOS	VII	25 00 34 05.0–1.2	37.70N	142.73E	18	4.8b,4.5			
NEIC	VII	25 00 34 05.6–.85	37.59N	142.76E	10	4.8b,4.3W			
ISCJB	VII	25 00 34 06.6–.58	37.52N–.05	142.82E–.05	33	4.6b,4.3W			
JMA	VII	25 00 34 07.4–.20	37.56N	142.70E	27–4	4.7,4.3W			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s119.00000°,δ57.00000°,λ47.00000°. NP2:ϕ_s359.00000°,δ52.00000°,λ136.00000°. $M_0$3.89000×10^{15}

IDC	Error ellipse: s-maj=58.0km s-min=27.6km az=129.0.								
MOS	Error ellipse: s-maj=17.8km s-min=13.1km az=76.9.								

NEIC Event type se. Error ellipse: s-maj=17.9km s-min=11.3km az=144.0. Moment Tensor Solution. $M_0$3.90000×10^{15}

ISCJB	Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=158.3.								
JMA	Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.								
ISC	**VII**	**25 00 39 23.8–.41**	**37.56N–.03**	**142.66E–.04**	**35**	**4.2b**	**79**	**1-89**	
IDC	VII	25 00 39 18.8–.84	37.56N	142.67E	0	4.2,4.1b			¶13390025
MOS	VII	25 00 39 20.5–.80	37.60N	142.69E	26	4.5b,4.1b			
ISCJB	VII	25 00 39 21.4–.42	37.52N–.03	142.74E–.04	33	4.2b,4.1b			
JMA	VII	25 00 39 21.1–.10	37.54N	142.73E	34–4	4.7,4.1b			
NEIC	VII	25 00 39 23.3–2.5	37.57N	142.64E	29–17	4.5b,4.1b			

ISC Event type se.

IDC	Error ellipse: s-maj=22.7km s-min=18.2km az=133.0.								
MOS	Error ellipse: s-maj=12.7km s-min=10.5km az=85.6.								
ISCJB	Event type se. Error ellipse: s-maj=5.2km s-min=4.3km az=148.5.								
JMA	Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.								

NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.4km az=132.0.

ISC	**VII**	**25 07 00 39.6–.42**	**37.42N–.03**	**143.05E–.05**	**35**	**4.3b,3.9s**	**81**	**2-98**	
NIED	VII	25 07 00 00	37.40N	143.20E	8	4.4W,3.9s			¶13390038
IDC	VII	25 07 00 34.4–.96	37.42N	143.09E	0	4.1,4.0			
MOS	VII	25 07 00 35.6–1.1	37.45N	143.14E	21	4.4b,4.0			
JMA	VII	25 07 00 36.5–.20	37.39N	143.16E	50	3.9,4.0			
ISCJB	VII	25 07 00 37.5–.43	37.40N–.03	143.09E–.04	33	4.3b,3.9s			
BJI	VII	25 07 00 37.7	37.40N	143.10E	27	4.6b,4.6b			
NEIC	VII	25 07 00 38.7–3.5	37.43N	143.07E	28–24	4.7b,4.3W			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ58.00000°,λ77.00000°. NP2:ϕ_s218.00000°,δ35.00000°,λ110.00000°. $M_0$4.16000×10^{15}
IDC Error ellipse: s-maj=23.0km s-min=20.6km az=136.0.
MOS Error ellipse: s-maj=11.8km s-min=8.4km az=98.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.8km az=39.8.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=9.7km az=133.0. Moment Tensor Solution. $M_0$4.20000×10^{15}

JMA VII 31 04 17 45.8–.20 39.67N 144.54E 49 3.6
NIED VII 31 04 17 00 39.70N 144.50E 38 3.7W **¶11747220**
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s157.00000°,δ78.00000°,λ-146.00000°. NP2:ϕ_s59.00000°,δ57.00000°,λ-14.00000°. $M_0$3.40000×10^{14}

JMA VIII 02 13 51 45.9–.20 40.05N 144.46E 38 3.5
¶13515006
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISC VIII 03 02 13 27.2–.83 36.68N–.03 142.78E–.06 35 3.6b 34 2-49
IDC VIII 03 02 13 21.5–17 36.39N 143.01E 0 3.8,3.7 **¶12580906**
JMA VIII 03 02 13 24.8–.20 36.65N 142.83E 75 3.4,3.7
ISCJB VIII 03 02 13 25.8–.82 36.68N–.03 142.78E–.06 33 3.6b,3.7

JMA VIII 04 09 55 00.7–.40 33.51N 142.22E 60 3.5
NIED VIII 04 09 55 00 33.50N 142.20E 8 3.7W **¶11747270**
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s164.00000°,δ65.00000°,λ-97.00000°. NP2:ϕ_s1.00000°,δ26.00000°,λ-74.00000°. $M_0$3.37000×10^{14}

ISC VIII 05 14 38 13.8–.73 37.75N–.04 143.14E–.07 35 3.6b 29 2-73
NIED VIII 05 14 38 00 37.80N 143.40E 5 3.5W **¶11747294**
JMA VIII 05 14 38 07.9–.20 37.75N 143.41E 24–4 3.9
IDC VIII 05 14 38 10.1–1.7 37.64N 143.30E 0 3.6,3.5
ISCJB VIII 05 14 38 12.2–.73 37.72N–.04 143.16E–.07 33 3.6b,3.5
NEIC VIII 05 14 38 14.4–1.8 37.48N 143.23E 35 4.3b,3.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s224.00000°,δ73.00000°,λ-137.00000°. NP2:ϕ_s119.00000°,δ49.00000°,λ-22.00000°. $M_0$2.11000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=43.5km s-min=24.1km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.7km az=12.1.
NEIC Event type se. Error ellipse: s-maj=48.0km s-min=15.1km az=157.0.

ISC VIII 07 12 29 30.0–1.8 37.47N–.04 143.09E–.08 21–17 3.9b 37 2-47
NIED VIII 07 12 29 00 37.50N 143.20E 11 3.7W **¶11747321**
NEIC VIII 07 12 29 28.9 37.45N 143.19E 50 3.6
JMA VIII 07 12 29 28.8–.10 37.45N 143.19E 50 3.6
ISCJB VIII 07 12 29 29.2–.78 37.45N–.04 143.17E–.06 33 3.9b
IDC VIII 07 12 29 29.7–8.0 37.25N 143.35E 28–56 3.7b,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s7.00000°,δ60.00000°,λ74.00000°. NP2:ϕ_s217.00000°,δ33.00000°,λ115.00000°. $M_0$4.21000×10^{14}
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.5km az=22.0.
IDC Error ellipse: s-maj=61.0km s-min=25.9km az=117.0.

ISC VIII 09 18 07 06.6–.90 33.63N–.04 141.13E–.07 42–12 3.6b 31 1-57
ISCJB VIII 09 18 07 05.6–.89 33.63N–.04 141.13E–.07 55–9 3.6b **¶12580996**
IDC VIII 09 18 07 06.3–3.4 33.51N 141.18E 42–30 3.7,3.6L
JMA VIII 09 18 07 06.7–.10 33.69N 141.06E 52–4 3.7,3.6L
ISCJB Error ellipse: s-maj=10.1km s-min=6.2km az=8.7.
IDC Error ellipse: s-maj=26.6km s-min=14.2km az=43.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC VIII 14 05 34 17.9–.78 39.99N–.04 144.21E–.06 35 3.4b,3.2s 39 2-73
NIED VIII 14 05 34 00 40.00N 144.10E 8 3.5W,3.2s **¶11747391**
ISCJB VIII 14 05 34 16.2–.79 39.99N–.04 144.23E–.06 33 3.4b,3.2s
NEIC VIII 14 05 34 17.2 40.03N 144.10E 33 3.8,3.2s
JMA VIII 14 05 34 17.1–.20 40.03N 144.10E 33 3.8,3.2s
IDC VIII 14 05 34 24.0–1.3 40.41N 142.58E 0 3.6,3.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s158.00000°,δ63.00000°,λ-130.00000°. NP2:ϕ_s40.00000°,δ47.00000°,λ-38.00000°. $M_0$2.05000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=3.8km az=31.6.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=33.1km s-min=19.7km az=106.0.

JMA VIII 16 02 50 54.1–.20 37.53N 142.67E 28–4 3.8
NIED VIII 16 02 50 00 37.50N 142.70E 20 3.7W **¶11747416**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ75.00000°,λ85.00000°. NP2:ϕ_s217.00000°,δ15.00000°,λ109.00000°. $M_0$3.68000×10^{14}

ISC VIII 19 05 08 13.9–.66 39.66N–.03 144.56E–.05 29 3.6b 46 2-64
NIED VIII 19 05 08 00 39.70N 144.50E 5 3.9W **¶11747443**
ISCJB VIII 19 05 08 12.3–.69 39.68N–.03 144.56E–.05 27 3.6b
IDC VIII 19 05 08 13.7–1.4 39.44N 144.86E 27–6 3.6,3.5
JMA VIII 19 05 08 14.0–.20 39.68N 144.50E 46 3.7,3.5
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s231.00000°,δ76.00000°,λ-88.00000°. NP2:ϕ_s42.00000°,δ14.00000°,λ-99.00000°. $M_0$8.19000×10^{14}
ISCJB Error ellipse: s-maj=6.5km s-min=4.0km az=36.0.
IDC Error ellipse: s-maj=31.1km s-min=23.2km az=84.0.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.

ISC VIII 22 05 09 13.4–1.9 37.68N–.04 142.92E–.06 25–16 3.7b 34 1-74
NIED VIII 22 05 09 00 37.70N 143.00E 17 3.6W **¶11747473**
IDC VIII 22 05 09 09.3–1.1 37.56N 143.16E 0 3.9,3.7b
NEIC VIII 22 05 09 10.7–.84 37.61N 143.17E 10 4.4b,3.7b
JMA VIII 22 05 09 11.9–.10 37.68N 142.99E 42 3.8,3.7b
ISCJB VIII 22 05 09 12.2–1.8 37.67N–.04 142.99E–.06 31–14 3.7b,3.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s236.00000°,δ60.00000°,λ-90.00000°. NP2:ϕ_s55.00000°,δ30.00000°,λ-90.00000°. $M_0$2.97000×10^{14}
NEIC Event type se.
ISCJB Event type se.

ISC VIII 25 22 08 23.2–.94 33.34N–.04 141.12E–.06 36–8 4.2b 49 1-57
IDC VIII 25 22 08 18.1–2.1 33.33N 141.26E 0 4.3,4.1b **¶11908807**
ISCJB VIII 25 22 08 23.0–.81 33.37N–.04 141.08E–.06 52–7 4.2b,4.1b
NEIC VIII 25 22 08 23.6–.99 33.38N 141.25E 45–9 4.1b,4.1b
JMA VIII 25 22 08 23.8–.20 33.41N 141.01E 63 3.4,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=46.3km s-min=24.0km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.0km az=10.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.4km az=87.0.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

ISC VIII 29 16 06 13.1–1.6 37.74N–.04 142.20E–.07 12–8 3.5b 24 1-58
JMA VIII 29 16 06 13.3–.10 37.73N 142.28E 32–3 3.1 **¶11909077**
NEIC VIII 29 16 06 21.4–3.4 38.26N 141.61E 35 3.2
IDC VIII 29 16 06 22.6–3.0 38.65N 140.70E 0 3.6,3.5
ISC Event type se.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=78.7km s-min=12.2km az=126.0.
IDC Error ellipse: s-maj=72.8km s-min=32.0km az=73.0.

ISC VIII 29 19 54 47.0–1.1 37.75N–.04 142.30E–.06 6–6 3.8b 43 1-62
IDC VIII 29 19 54 45.1–1.1 37.70N 142.53E 0 3.8,3.8b **¶11223897**
NEIC VIII 29 19 54 46.3–.70 37.80N 142.54E 10 4.2b,3.8b
JMA VIII 29 19 54 48.3–.20 37.72N 142.31E 29–4 4.0,3.8b
NIED VIII 29 19 55 00 37.70N 142.30E 23 4.4W,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=18.9km az=85.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.7km az=116.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ83.00000°,λ107.00000°. NP2:ϕ_s137.00000°,δ18.00000°,λ24.00000°. $M_0$3.94000×10^{15}

ISC VIII 29 19 55 38.9–.95 37.73N–.03 142.34E–.03 30–6 4.5b,4.0s 217 1-146
IDC VIII 29 19 55 34.1–.60 37.69N 142.39E 0 4.4,4.4 **¶11909090**
ISCJB VIII 29 19 55 36.5–.85 37.74N–.03 142.37E–.03 26–5 4.5b,4.0s
BJI VIII 29 19 55 37.0 37.70N 142.36E 36 4.8b,4.7b
JMA VIII 29 19 55 37.4–.20 37.72N 142.28E 29–3 4.6,4.7b
MOS VIII 29 19 55 38.3–.77 37.88N 142.23E 31 4.8b,4.1s
NEIC VIII 29 19 55 39.0–1.8 37.67N 142.34E 33–11 4.6b,4.3W
ISC Event type fe.
IDC Error ellipse: s-maj=15.8km s-min=14.1km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.9km az=148.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=8.7km s-min=5.3km az=112.3.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.9km az=128.0. Recorded [2 JMA] in Miyagi and [1 JMA] in Fukushima and Iwate. Moment Tensor Solution. $M_0$3.90000×10^{15}

ISC VIII 29 20 04 45.1–1.4 37.76N–.03 142.34E–.04 12–8 4.3b,3.7s 128 1-146
NIED VIII 29 20 04 00 37.70N 142.30E 23 4.1W,3.7s **¶13543435**
BJI VIII 29 20 04 39.0 37.41N 143.18E 30 4.6b,4.6b
IDC VIII 29 20 04 42.9–.61 37.70N 142.41E 0 4.2,4.2
JMA VIII 29 20 04 45.8–.20 37.73N 142.32E 30–3 4.4,4.2
MOS VIII 29 20 04 45.7–.85 37.78N 142.39E 31 4.7b,4.2
NEIC VIII 29 20 04 47.6–2.1 37.77N 142.33E 30–14 4.4b,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ84.00000°,λ92.00000°. NP2:ϕ_s171.00000°,δ6.00000°,λ71.00000°. $M_0$1.67000×10^{15}
IDC Error ellipse: s-maj=15.8km s-min=13.6km az=132.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=10.3km s-min=7.1km az=111.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=5.7km az=140.0. Recorded [1 JMA] in Miyagi.

ISC VIII 29 20 13 26.8–.74 37.80N–.04 142.36E–.07 35 3.6b 29 1-62
NIED VIII 29 20 13 00 37.70N 142.30E 26 3.5W **¶13543439**
IDC VIII 29 20 13 20.9–1.7 37.86N 142.63E 0 4.2,4.2s
ISCJB VIII 29 20 13 24.8–.79 37.75N–.05 142.45E–.07 33 3.6b,4.2s
NEIC VIII 29 20 13 25.9–.98 37.92N 142.63E 35 4.4b,4.2s
JMA VIII 29 20 13 25.7–.20 37.72N 142.30E 34–4 3.6,4.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s202.00000°,δ80.00000°,λ-104.00000°. NP2:ϕ_s78.00000°,δ17.00000°,λ-35.00000°. $M_0$2.20000×10^{14}
IDC Error ellipse: s-maj=43.3km s-min=19.8km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=6.7km az=178.5.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=14.0km az=79.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA VIII 29 23 10 21.3–.20 38.35N 144.76E 50 3.9
NIED VIII 29 23 10 00 38.30N 144.80E 8 3.7W **¶11747547**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s207.00000°,δ68.00000°,λ-94.00000°. NP2:ϕ_s38.00000°,δ23.00000°,λ-79.00000°. $M_0$4.59000×10^{14}

ISC IX 01 04 42 57.1–1.6 37.93N–.05 142.59E–.07 6–9 3.8b 36 1-145
IDC IX 01 04 42 56.3–.83 37.92N 142.62E 0 4.0,3.9 **¶11909200**
ISCJB IX 01 04 42 57.1–1.7 37.90N–.05 142.64E–.07 20–11 3.8b,3.9
JMA IX 01 04 42 57.3–.10 37.81N 142.59E 27–2 4.2,3.9
NEIC IX 01 04 43 01.5–.57 37.97N 142.55E 35 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=20.2km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.5km az=34.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.4km az=130.0.

ISC IX 05 08 04 27.0–1.9 37.53N–.04 142.74E–.06 7–12 3.8b,3.6s 41 1-154
NIED IX 05 08 04 00 37.50N 142.70E 8 4.2W,3.6s **¶11747617**
ISCJB IX 05 08 04 25.7–1.6 37.51N–.04 142.81E–.05 9–11 3.8b,3.6s
IDC IX 05 08 04 25.8–.64 37.44N 142.88E 0 4.0,4.0
JMA IX 05 08 04 26.6–.20 37.52N 142.71E 14–3 4.4,4.0
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s205.00000°,δ83.00000°,λ161.00000°. NP2:ϕ_s297.00000°,δ71.00000°,λ7.00000°. $M_0$2.63000×10^{15}
ISCJB Error ellipse: s-maj=7.2km s-min=6.3km az=38.4.
IDC Error ellipse: s-maj=17.3km s-min=15.2km az=107.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA IX 07 02 00 07.6–.10 40.25N 143.01E 13–2 3.5
NIED IX 07 02 00 00 40.30N 143.00E 23 3.5W **¶11747646**
JMA Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ69.00000°,λ77.00000°. NP2:ϕ_s215.00000°,δ24.00000°,λ121.00000°. $M_0$1.69000×10^{14}

IDC IX 07 07 33 24.3–587 33.99N 147.59E 0
¶11909702
IDC Error ellipse: s-maj=1162.0km s-min=57.1km az=115.0.

IDC IX 07 08 31 54.7–612 34.17N 147.15E 0
¶11909713
IDC Error ellipse: s-maj=1211.0km s-min=58.2km az=115.0.

IDC IX 07 08 51 28.2–645 34.43N 146.25E 0
¶11909716
IDC Error ellipse: s-maj=1275.0km s-min=61.0km az=114.0.

IDC IX 07 09 10 20.8–754 34.11N 147.27E 0
¶11909717
IDC Error ellipse: s-maj=1490.0km s-min=58.4km az=114.0.

ISC IX 07 12 02 40.0–2.0 33.23N–.04 141.48E–.06 25–15 3.7b 33 1-148
ISCJB IX 07 12 02 39.3–.52 33.22N–.04 141.52E–.06 33 3.7b **¶11909727**
JMA IX 07 12 02 39.5–.30 33.26N 141.55E 69 3.1
IDC IX 07 12 02 40.3–6.4 33.23N 141.47E 26–44 3.9,3.8
ISCJB Error ellipse: s-maj=7.6km s-min=5.1km az=152.0.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=18.5km s-min=15.8km az=99.0.

IDC IX 08 04 29 33.2–617 34.87N 146.98E 0
¶11909786
IDC Error ellipse: s-maj=1224.0km s-min=58.0km az=114.0.

IDC IX 08 04 49 20.7–665 34.91N 146.92E 0
¶11909789
IDC Error ellipse: s-maj=1320.0km s-min=58.9km az=114.0.

ISC IX 10 00 24 15.7–.81 37.75N–.04 142.25E–.07 44–6 4.2b 71 1-77
NIED IX 10 00 24 00 37.70N 142.30E 20 4.0W **¶11747673**
BJI IX 10 00 24 13.5 37.80N 142.30E 20 4.7b,4.4b
JMA IX 10 00 24 13.6–.10 37.71N 142.29E 35–3 4.1,4.4b
ISCJB IX 10 00 24 14.1–.84 37.74N–.04 142.31E–.07 49–6 4.2b,4.4b
NEIC IX 10 00 24 15.0–1.2 37.77N 142.27E 40–10 4.5b,3.9W
IDC IX 10 00 24 18.8–2.5 37.71N 142.29E 68–22 3.8,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s16.00000°,δ84.00000°,λ108.00000°. NP2:ϕ_s124.00000°,δ19.00000°,λ19.00000°. $M_0$1.04000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=5.7km az=24.0.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=8.4km az=120.0. Recorded [1 JMA] in Miyagi. Moment Tensor Solution. $M_0$1.00000×10^{15}
IDC Error ellipse: s-maj=22.8km s-min=15.0km az=86.0.

ISC IX 10 02 28 22.0–1.5 37.77N–.06 142.3E–.10 39–13 3.7b 26 1-89
IDC IX 10 02 28 14.9–1.2 37.90N 142.81E 0 3.9,3.7b **¶11909923**
JMA IX 10 02 28 20.5–.10 37.71N 142.29E 31–3 3.7,3.7b
NEIC IX 10 02 28 20.3–.73 37.88N 142.75E 35 3.7,3.7b
ISCJB IX 10 02 28 21.1–1.4 37.75N–.06 142.3E–.10 48–12 3.7b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC IX 10 13 56 52.2–1.2 34.52N–.04 141.67E–.06 12–7 3.5b 31 1-76
JMA IX 10 13 56 49.6–.30 34.46N 141.87E 37–3 3.0 **¶11909958**
ISCJB IX 10 13 56 50.5–1.7 34.49N–.04 141.78E–.05 14–11 3.5b
IDC IX 10 13 56 51.0–.97 34.48N 141.69E 0 3.7,3.6
NEIC IX 10 13 56 56.0–.67 34.56N 141.48E 35 3.7,3.6
ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.2km az=144.0.
IDC Error ellipse: s-maj=24.3km s-min=17.5km az=99.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=11.9km az=69.0.

JMA IX 12 17 54 24.0–.20 39.47N 144.56E 45 3.6
¶14099801
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.

JMA IX 13 07 05 49.1–.10 39.64N 144.05E 54 3.5
¶14100014
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISC IX 15 23 07 46.6–1.6 38.00N–.03 142.80E–.05 25–12 4.1b,3.4s 69 1-145
NIED IX 15 23 07 00 38.00N 142.80E 8 4.2W,3.4s **¶13394408**
IDC IX 15 23 07 43.8–.67 37.92N 142.86E 0 4.1,4.1
JMA IX 15 23 07 44.8–.20 37.99N 142.84E 27–3 4.6,4.1
ISCJB IX 15 23 07 45.9–.88 37.99N–.04 142.87E–.06 36–7 4.1b,3.4s
NEIC IX 15 23 07 48.6–1.1 38.04N 142.49E 38–9 4.3b,3.4s
BJI IX 15 23 07 49.5 38.72N 142.51E 6 4.6b,4.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s192.00000°,δ47.00000°,λ106.00000°. NP2:ϕ_s349.00000°,δ46.00000°,λ74.00000°. $M_0$2.06000×10^{15}
IDC Error ellipse: s-maj=17.7km s-min=17.3km az=135.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=5.5km az=29.3.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=7.7km az=130.0. Recorded [1 JMA] in Miyagi.

ISC IX 19 20 20 58.3–1.0 36.29N–.05 142.01E–.08 35 3.4b 22 1-56
IDC IX 19 20 20 54.9–2.9 36.15N 142.01E 0 3.7,3.6b **¶14102346**
ISCJB IX 19 20 20 57.0–1.0 36.27N–.05 142.02E–.08 33 3.4b,3.6b
JMA IX 19 20 20 57.6–.20 36.35N 141.82E 80–4 3.0,3.6b
IDC Error ellipse: s-maj=66.0km s-min=29.2km az=46.0.
ISCJB Error ellipse: s-maj=9.5km s-min=6.6km az=24.5.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

ISC IX 20 01 36 16.4–.83 33.41N–.04 141.05E–.07 47–8 3.8b 39 1-149
NIED IX 20 01 36 00 33.50N 141.00E 41 3.7W **¶11747790**
ISCJB IX 20 01 36 15.3–.81 33.42N–.04 141.05E–.08 56–7 3.8b
JMA IX 20 01 36 15.9–.20 33.49N 141.04E 53 3.7
IDC IX 20 01 36 17.6–1.9 33.37N 140.95E 58–17 3.8,3.7
NEIC IX 20 01 36 17.9–1.5 33.39N 140.90E 61–12 4.0b,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ77.00000°,λ125.00000°. NP2:ϕ_s155.00000°,δ37.00000°,λ21.00000°. $M_0$3.44000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.8km az=173.9.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=21.9km s-min=11.4km az=81.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=11.7km az=79.0.

ISC IX 25 03 31 21.0–1.8 40.06N–.04 143.99E–.05 15–11 4.0b 88 2-87
NIED IX 25 03 31 00 40.10N 143.90E 8 4.3W **¶13395141**
BJI IX 25 03 31 18.5 40.00N 144.10E 15 4.4b,4.3b
ISCJB IX 25 03 31 19.8–1.5 40.05N–.04 144.05E–.05 21–11 4.0b,4.3b
MOS IX 25 03 31 20.9–1.1 40.03N 144.19E 33 4.4b,4.3b
JMA IX 25 03 31 21.7–.10 40.11N 143.94E 31 4.3,4.3b
IDC IX 25 03 31 24.0–.53 39.98N 144.09E 39–4 3.9,3.9L
NEIC IX 25 03 31 23.6–.40 40.02N 144.07E 35 4.6b,4.3W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s306.00000°,δ65.00000°,λ-135.00000°. NP2:ϕ_s192.00000°,δ50.00000°,λ-34.00000°. $M_0$2.96000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.8km az=136.2.
MOS Error ellipse: s-maj=12.8km s-min=8.4km az=92.3.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=17.0km s-min=12.2km az=86.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.9km az=108.0. Moment Tensor Solution. $M_0$3.00000×10^{15}

JMA IX 25 15 06 23.5–.20 37.62N 142.18E 29–3 1.7
¶13737196
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC IX 25 15 06 45.3–.23 36.74N–.02 142.20E–.03 34 4.7b,4.3s 252 1-146
NIED IX 25 15 06 00 36.70N 142.30E 23 4.9W,4.3s **¶14104489**
JMA IX 25 15 06 41.2–.30 36.73N 142.28E 21–5 4.7,4.3s
NEIC IX 25 15 06 42.4–2.5 36.77N 142.18E 14–15 4.8b,4.8W
ISCJB IX 25 15 06 43.0–.23 36.70N–.02 142.24E–.03 32 4.7b,4.3s
BJI IX 25 15 06 43.9 36.96N 142.01E 28 4.8b,4.8b
MOS IX 25 15 06 45.3–.97 37.06N 142.06E 33 4.9b,4.8b
IDC IX 25 15 06 45.1–.38 36.67N 142.14E 32–2 4.3,4.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ67.00000°,λ83.00000°. NP2:ϕ_s214.00000°,δ24.00000°,λ105.00000°. $M_0$2.21000×10^{16}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=143.0. Moment Tensor Solution. $M_0$2.20000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.2km az=144.5.
MOS Error ellipse: s-maj=7.9km s-min=5.3km az=108.4.
IDC Error ellipse: s-maj=12.7km s-min=9.3km az=108.0.

ISC IX 25 16 38 17.2–1.7 36.73N–.03 142.29E–.06 8–12 3.8b 42 1-69
NIED IX 25 16 38 00 36.70N 142.30E 17 4.1W **¶11747875**
IDC IX 25 16 38 15.9–1.1 36.68N 142.28E 0 3.8,3.8L
ISCJB IX 25 16 38 16.7–1.3 36.71N–.03 142.36E–.06 19–9 3.8b,3.8L
JMA IX 25 16 38 17.7–.20 36.71N 142.28E 25 4.0,3.8L
NEIC IX 25 16 38 18.3–5.7 36.71N 142.30E 16–35 4.2b,3.8L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ71.00000°,λ81.00000°. NP2:ϕ_s223.00000°,δ21.00000°,λ115.00000°. $M_0$1.50000×10^{15}
IDC Error ellipse: s-maj=25.0km s-min=20.0km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.8km az=172.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=11.6km az=123.0.

ISC IX 28 13 02 16.9–2.5 36.70N–.05 142.3E–.10 23–28 20 1-3
NIED IX 28 13 02 00 36.70N 142.40E 23 3.5W **¶11747897**
JMA IX 28 13 02 15.2–.30 36.70N 142.38E 22 3.5
ISCJB IX 28 13 02 16.4–2.4 36.69N–.04 142.4E–.10 31–29 3.5
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ59.00000°,λ83.00000°. NP2:ϕ_s205.00000°,δ32.00000°,λ101.00000°. $M_0$1.89000×10^{14}

ISC IX 28 16 36 53.7–1.7 36.67N–.03 142.44E–.06 7–12 3.7b 43 1-61
NIED IX 28 16 36 00 36.70N 142.40E 23 3.8W **¶11747900**
ISCJB IX 28 16 36 53.3–1.6 36.66N–.03 142.52E–.06 20–14 3.7b
JMA IX 28 16 36 53.3–.30 36.69N 142.42E 13 3.8
IDC IX 28 16 36 53.2–1.1 36.61N 142.45E 0 3.7L,3.7
NEIC IX 28 16 36 57.0–4.8 36.71N 142.34E 28–34 4.1b,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ62.00000°,λ92.00000°. NP2:ϕ_s193.00000°,δ28.00000°,λ86.00000°. $M_0$5.98000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.9km az=16.3.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=26.6km s-min=19.4km az=86.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=13.4km az=129.0.

ISC IX 28 19 33 43.5–.68 40.68N–.03 145.22E–.05 42–7 3.8b 83 2-86
NIED IX 28 19 33 00 40.70N 145.40E 50 3.9W **¶11747901**
IDC IX 28 19 33 37.3–.94 40.72N 145.32E 0 3.9,3.7b
JMA IX 28 19 33 41.3–.20 40.66N 145.39E 51 4.7,3.7b
MOS IX 28 19 33 41.1–.63 40.62N 145.33E 42 4.3b,3.7b
ISCJB IX 28 19 33 42.2–.67 40.67N–.03 145.19E–.05 48–7 3.8b,3.7b
NEIC IX 28 19 33 43.8–1.4 40.71N 145.29E 46–12 4.3b,3.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s182.00000°,δ84.00000°,λ118.00000°. NP2:ϕ_s283.00000°,δ29.00000°,λ13.00000°. $M_0$8.44000×10^{14}
IDC Error ellipse: s-maj=26.3km s-min=20.4km az=161.0.
JMA Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0.
MOS Error ellipse: s-maj=16.4km s-min=12.8km az=92.6.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.5km az=23.8.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=10.2km az=106.0.

ISC IX 30 03 25 44.0–.45 37.50N–.04 145.42E–.04 25 4.0b,3.3s 89 3-79
NIED IX 30 03 25 00 37.60N 145.10E 59 4.3W,3.3s **¶13395502**
ISCJB IX 30 03 25 41.9–.47 37.48N–.04 145.39E–.04 24 4.0b,3.3s
MOS IX 30 03 25 42.1–1.2 37.52N 145.61E 33 4.2b,3.3s
IDC IX 30 03 25 42.9–.71 37.41N 145.54E 24–4 4.5L,4.1
NEIC IX 30 03 25 44.4–2.5 37.47N 145.56E 33–17 4.0b,4.1
JMA IX 30 03 25 47.3–.20 37.58N 145.15E 49 5.3,4.1
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s267.00000°,δ64.00000°,λ-107.00000°. NP2:ϕ_s122.00000°,δ31.00000°,λ-59.00000°. $M_0$3.19000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=163.9.
MOS Error ellipse: s-maj=13.7km s-min=8.5km az=96.5.
IDC Error ellipse: s-maj=17.5km s-min=13.1km az=102.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.9km az=125.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.

ISC IX 30 23 30 05.9–.72 33.31N–.04 141.27E–.09 35 3.7b 30 1-53
JMA IX 30 23 30 02.4–.50 33.55N 141.95E 61 3.3 **¶11911498**
ISCJB IX 30 23 30 03.8–.72 33.29N–.04 141.31E–.09 33 3.7b
IDC IX 30 23 30 03.2–3.0 33.38N 141.12E 0 3.7b,3.7
NEIC IX 30 23 30 07.1–.72 33.43N 141.10E 35 4.4b,3.7
ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=4.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.5km az=168.9.
IDC Error ellipse: s-maj=90.2km s-min=28.6km az=67.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.9km az=103.0.

ISC X 02 18 52 33.5–1.1 33.45N–.05 141.03E–.09 45–15 3.4b 25 1-57
ISCJB X 02 18 52 32.6–.94 33.47N–.04 141.01E–.08 61–11 3.4b **¶11911736**
JMA X 02 18 52 32.9–.20 33.51N 140.99E 60 3.0
IDC X 02 18 52 34.8–8.9 33.50N 141.10E 65–112 3.4,3.3L
ISCJB Error ellipse: s-maj=11.3km s-min=7.0km az=9.7.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=106.7km s-min=64.5km az=51.0.

ISC X 02 21 07 39.3–1.9 37.75N–.04 142.36E–.05 31–14 3.8b 45 1-62
IDC X 02 21 07 34.0–2.6 37.69N 142.76E 0 3.6b,3.6 **¶11911754**
NEIC X 02 21 07 35.6–3.2 37.71N 142.72E 12–20 4.0b,3.6
ISCJB X 02 21 07 36.1–1.4 37.72N–.04 142.43E–.05 21–9 3.8b,3.6
JMA X 02 21 07 37.9–.10 37.72N 142.32E 34–3 3.4,3.6
ISC Event type se.
IDC Error ellipse: s-maj=70.0km s-min=27.4km az=60.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.1km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.6km az=20.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA X 05 16 57 49.1–.10 40.11N 143.96E 33 3.6
¶14108147
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISC X 09 05 58 26.1–1.0 37.27N–.05 142.66E–.08 10 3.5b 27 1-45
NIED X 09 05 58 00 37.20N 142.70E 5 3.4W **¶11748406**
ISCJB X 09 05 58 24.8–1.0 37.26N–.05 142.72E–.07 10 3.6b
NEIC X 09 05 58 25.1 37.23N 142.71E 17 3.7
JMA X 09 05 58 25.0–.20 37.22N 142.71E 17 3.7
IDC X 09 05 58 45.3–5.5 38.24N 140.16E 0 3.6b,3.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s242.00000°,δ59.00000°,λ105.00000°. NP2:ϕ_s35.00000°,δ34.00000°,λ67.00000°. $M_0$1.65000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=7.4km az=26.1.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=99.7km s-min=39.0km az=89.0.

ISC X 09 14 32 46.8–.39 40.17N–.03 143.92E–.05 41 4.2b 126 2-146
NIED X 09 14 32 00 40.10N 144.00E 5 4.1W **¶13396491**
NEIC X 09 14 32 41.6–3.8 40.03N 144.15E 7–23 4.4b
MOS X 09 14 32 43.5–1.0 40.04N 144.08E 32 4.5b
JMA X 09 14 32 43.6–.10 40.12N 143.99E 36 4.4
ISCJB X 09 14 32 44.9–.40 40.15N–.03 143.96E–.05 39 4.2b
BJI X 09 14 32 45.9 40.16N 143.89E 35 4.9b,4.3b
IDC X 09 14 32 46.4–.59 39.95N 144.13E 41–5 4.0,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s161.00000°,δ59.00000°,λ-79.00000°. NP2:ϕ_s321.00000°,δ32.00000°,λ-107.00000°. $M_0$1.77000×10^{15}
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.7km az=108.0.
MOS Error ellipse: s-maj=12.7km s-min=7.7km az=96.2.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.0km az=35.9.
IDC Error ellipse: s-maj=15.4km s-min=12.5km az=80.0.

ISC X 11 09 32 20.1–.72 34.37N–.04 141.64E–.06 35 3.7b 35 1-58
IDC X 11 09 32 15.9–1.7 34.39N 141.64E 0 3.8L,3.8 **¶12066574**
JMA X 11 09 32 16.3–.30 34.32N 141.77E 32–2 3.3,3.8
NEIC X 11 09 32 16.4 34.32N 141.77E 32 3.3,3.8
ISCJB X 11 09 32 18.2–.76 34.37N–.04 141.70E–.06 33 3.7b,3.8
ISC Event type se.
NEIC Event type se. After JMA.
ISCJB Event type se.

ISC X 18 03 49 37.3–2.1 39.45N–.04 143.44E–.05 12–13 3.8b,3.2s 45 1-75
NIED X 18 03 49 00 39.40N 143.60E 26 3.9W,3.2s **¶11749020**
ISCJB X 18 03 49 36.4–1.6 39.39N–.04 143.52E–.06 20–11 3.8b,3.2s
JMA X 18 03 49 36.5–.10 39.39N 143.57E 33 4.0,3.2s
NEIC X 18 03 49 37.7–4.4 39.40N 143.50E 16–28 4.1b,3.2s
IDC X 18 03 49 41.8–3.7 39.29N 143.42E 49–37 3.7,3.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ61.00000°,λ92.00000°. NP2:ϕ_s203.00000°,δ29.00000°,λ86.00000°. $M_0$7.64000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.9km az=37.3.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=8.8km az=114.0.
IDC Error ellipse: s-maj=25.7km s-min=20.9km az=101.0.

ISC X 18 07 57 29.9–.72 39.47N–.04 144.35E–.06 35 3.8b 38 2-68
NIED X 18 07 57 00 39.50N 144.30E 8 3.7W **¶11749028**
IDC X 18 07 57 25.3–1.3 39.23N 144.62E 0 3.9,3.7b
ISCJB X 18 07 57 28.3–.73 39.49N–.04 144.37E–.05 33 3.8b,3.7b
JMA X 18 07 57 29.5–.20 39.47N 144.29E 45 3.9,3.7b
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s219.00000°,δ63.00000°,λ-80.00000°. NP2:ϕ_s18.00000°,δ28.00000°,λ-108.00000°. $M_0$3.46000×10^{14}
IDC Error ellipse: s-maj=43.0km s-min=24.5km az=122.0.
ISCJB Error ellipse: s-maj=6.9km s-min=3.9km az=36.6.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.

ISC X 19 22 29 19.5–1.0 39.37N–.05 143.60E–.09 46–8 3.8b 43 1-71
NIED X 19 22 29 00 39.40N 143.60E 17 3.5W **¶11749095**
JMA X 19 22 29 17.6–.20 39.37N 143.60E 32 3.8
ISCJB X 19 22 29 18.2–1.0 39.36N–.04 143.62E–.08 54–8 3.8b
NEIC X 19 22 29 19.9–1.6 39.43N 143.63E 50–13 4.1b
IDC X 19 22 29 31.9–9.5 39.97N 140.99E 0 3.8,3.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ60.00000°,λ96.00000°. NP2:ϕ_s195.00000°,δ30.00000°,λ79.00000°. $M_0$2.14000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.1km az=25.3.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=12.1km az=111.0.
IDC Error ellipse: s-maj=194.7km s-min=40.8km az=91.0.

JMA X 19 22 31 11.7–.10 39.36N 143.61E 29 3.7
NIED X 19 22 31 00 39.40N 143.60E 26 3.5W **¶11749096**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s36.00000°,δ64.00000°,λ123.00000°. NP2:ϕ_s160.00000°,δ41.00000°,λ42.00000°. $M_0$1.92000×10^{14}

ISC X 20 00 29 23.4–1.7 39.38N–.04 143.57E–.06 24–13 4.1b 53 1-72
NIED X 20 00 29 00 39.40N 143.60E 17 4.0W **¶11749098**
JMA X 20 00 29 21.6–.10 39.37N 143.64E 25 4.1
IDC X 20 00 29 21.9–1.9 39.48N 143.46E 0 4.0L,4.0
ISCJB X 20 00 29 22.6–.93 39.37N–.04 143.65E–.07 35–8 4.1b,4.0
NEIC X 20 00 29 24.9–.62 39.22N 143.39E 35 4.3b,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s36.00000°,δ72.00000°,λ107.00000°. NP2:ϕ_s171.00000°,δ24.00000°,λ48.00000°. $M_0$1.14000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=50.7km s-min=20.8km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.1km az=22.9.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.8km az=114.0.

ISC X 20 01 34 08.2–1.2 39.39N–.04 143.45E–.04 4–6 4.5b,4.0s 180 1-144
NIED X 20 01 34 00 39.40N 143.60E 17 4.6W,4.0s **¶13397555**
ISCJB X 20 01 34 06.5–1.2 39.36N–.04 143.52E–.04 5–7 4.5b,4.0s
JMA X 20 01 34 07.8–.10 39.38N 143.63E 29 4.5,4.0s
MOS X 20 01 34 10.6–1.2 39.36N 143.47E 33 4.6b,4.0s
NEIC X 20 01 34 12.7–.87 39.32N 143.40E 36–7 5.0b,4.6W
IDC X 20 01 34 14.1–3.1 39.25N 143.38E 51–28 4.1,4.0

SZGRF X 20 01 34 15.6 39.73N 143.58E 33 4.6b,4.0
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S31.00000°,δ68.00000°,λ100.00000°. NP2:ϕ_S187.00000°,δ24.00000°,λ68.00000°. $M_0$8.98000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.4km az=153.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=9.6km s-min=6.2km az=96.1.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=5.9km az=135.0. Recorded [1 JMA] in Iwate. Moment Tensor Solution. $M_0$9.00000×10^{15}
IDC Error ellipse: s-maj=16.9km s-min=15.3km az=163.0.
SZGRF Off east coast of Honshu, Japan.

ISC	**X**	**20 03 33 17.7–1.6**	**39.39N–.03**	**143.48E–.04**	**14–10**	**4.0b**	**76**	**1-143**
NIED	X	20 03 33 00	39.40N	143.70E	17	4.5W		¶13397559
JMA	X	20 03 33 15.3–.20	39.36N	143.67E	25–5	4.6		
ISCJB	X	20 03 33 17.0–1.4	39.37N–.03	143.54E–.05	23–10	4.0b		
NEIC	X	20 03 33 21.0–.99	39.41N	143.40E	35–8	4.4b		
IDC	X	20 03 33 22.7–3.1	39.19N	143.46E	60–29	3.9s,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S23.00000°,δ58.00000°,λ-85.00000°. NP2:ϕ_S193.00000°,δ33.00000°,λ-98.00000°. $M_0$6.21000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.6km az=38.5.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.2km az=126.0.
IDC Error ellipse: s-maj=18.9km s-min=16.2km az=159.0.

JMA	**X**	**20 03 36 43.3–.10**	**39.35N**	**143.63E**	**28–5**	**3.5**		
								¶14113231

JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISC	**X**	**20 04 18 06.6–1.5**	**39.40N–.03**	**143.47E–.04**	**19–10**	**4.1b,3.3s**	**107**	**1-145**
NIED	X	20 04 18 00	39.40N	143.50E	26	4.3W,3.3s		¶13397563
JMA	X	20 04 18 05.4–.10	39.38N	143.53E	33	4.5,3.3s		
MOS	X	20 04 18 06.1–1.2	39.34N	143.52E	33	4.7b,3.3s		
ISCJB	X	20 04 18 06.1–1.4	39.37N–.03	143.52E–.04	31–10	4.1b,3.3s		
NEIC	X	20 04 18 09.3–1.1	39.35N	143.46E	42–8	4.6b,4.3W		
IDC	X	20 04 18 11.3–3.4	39.27N	143.44E	61–31	3.9,3.9L		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S21.00000°,δ60.00000°,λ73.00000°. NP2:ϕ_S233.00000°,δ34.00000°,λ117.00000°. $M_0$2.97000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
MOS Error ellipse: s-maj=12.2km s-min=9.4km az=93.5.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=43.3.
NEIC Event type fe. Error ellipse: s-maj=12.6km s-min=7.8km az=123.0. Recorded [1 JMA] in Iwate. Moment Tensor Solution. $M_0$3.00000×10^{15}
IDC Error ellipse: s-maj=20.6km s-min=17.8km az=114.0.

ISC	**X**	**20 04 49 07.8–1.8**	**39.40N–.04**	**143.42E–.06**	**21–15**	**3.7b**	**46**	**1-75**
NIED	X	20 04 49 00	39.40N	143.60E	17	4.1W		¶11749099
IDC	X	20 04 49 05.6–1.6	39.67N	143.36E	0	4.0,3.8L		
JMA	X	20 04 49 05.5–.10	39.37N	143.57E	29–4	4.0,3.8L		
ISCJB	X	20 04 49 06.3–1.7	39.40N–.04	143.49E–.06	24–14	3.7b,3.8L		
NEIC	X	20 04 49 11.4–1.4	39.38N	143.31E	53–11	4.2b,3.8L		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S28.00000°,δ58.00000°,λ96.00000°. NP2:ϕ_S196.00000°,δ32.00000°,λ80.00000°. $M_0$1.53000×10^{15}
IDC Error ellipse: s-maj=45.5km s-min=19.7km az=161.0.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.1km az=35.4.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=10.4km az=126.0.

JMA	**X**	**20 05 56 00.3–.20**	**39.38N**	**143.55E**	**34**	**3.9**		
NIED	X	20 05 56 00	39.40N	143.50E	20	3.9W		¶11749100

JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S359.00000°,δ67.00000°,λ82.00000°. NP2:ϕ_S199.00000°,δ25.00000°,λ108.00000°. $M_0$7.36000×10^{14}

JMA	**X**	**20 20 55 25.5–.10**	**39.37N**	**143.58E**	**26–4**	**3.6**		
NIED	X	20 20 55 00	39.40N	143.60E	17	3.7W		¶11749138

JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S30.00000°,δ61.00000°,λ118.00000°. NP2:ϕ_S162.00000°,δ39.00000°,λ49.00000°. $M_0$3.58000×10^{14}

ISC	**X**	**26 10 36 22.7–2.1**	**37.50N–.05**	**142.15E–.09**	**27–20**	**3.4b**	**27**	**1-58**
NIED	X	26 10 36 00	37.50N	142.20E	32	3.4W		¶14115298
ISCJB	X	26 10 36 21.6–.92	37.47N–.04	142.25E–.07	33	3.4b		
JMA	X	26 10 36 21.3–.20	37.47N	142.19E	31–4	3.6		
IDC	X	26 10 36 30.4–8.6	37.14N	141.71E	82–58	3.4,3.3L		

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S44.00000°,δ84.00000°,λ-87.00000°. NP2:ϕ_S199.00000°,δ7.00000°,λ-115.00000°. $M_0$1.55000×10^{14}
ISCJB Error ellipse: s-maj=8.4km s-min=6.1km az=17.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=98.2km s-min=21.8km az=72.0.

ISC	**X**	**26 11 40 48.6–1.8**	**34.05N–.04**	**141.75E–.07**	**17–13**	**3.7b**	**33**	**1-58**
IDC	X	26 11 40 46.4–1.1	34.01N	141.66E	0	3.8,3.7b		¶12071158
ISCJB	X	26 11 40 49.1–1.0	34.05N–.05	141.77E–.08	36–9	3.7b,3.7b		
JMA	X	26 11 40 49.1–.30	34.05N	141.72E	33–3	3.4,3.7b		

IDC Error ellipse: s-maj=23.8km s-min=16.5km az=77.0.
ISCJB Error ellipse: s-maj=12.1km s-min=7.1km az=161.7.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.

ISC	**X**	**26 21 55 42.8–1.7**	**39.38N–.03**	**143.46E–.06**	**33–12**	**4.0b,3.6s**	**83**	**1-78**
NIED	X	26 21 55 00	39.40N	143.50E	17	4.1W,3.6s		¶11749485
IDC	X	26 21 55 38.0–.86	39.33N	143.60E	0	4.1,4.0		
MOS	X	26 21 55 40.6–1.2	39.33N	143.56E	33	4.5b,4.0		
JMA	X	26 21 55 40.9–.20	39.35N	143.51E	34	3.9,4.0		
ISCJB	X	26 21 55 40.9–.91	39.36N–.03	143.52E–.07	37–7	4.0b,3.6s		
NEIC	X	26 21 55 44.8–2.1	39.38N	143.37E	50–18	4.3b,3.6s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S44.00000°,δ65.00000°,λ115.00000°. NP2:ϕ_S175.00000°,δ35.00000°,λ47.00000°. $M_0$1.62000×10^{15}
IDC Error ellipse: s-maj=22.4km s-min=15.4km az=97.0.
MOS Error ellipse: s-maj=13.1km s-min=10.5km az=109.4.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.5km az=22.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=12.5km az=81.0.

ISC	**XI**	**01 14 52 41.1–1.0**	**33.34N–.05**	**141.02E–.08**	**52–14**	**3.6b**	**27**	**1-57**
ISCJB	XI	01 14 52 40.2–.92	33.35N–.04	141.01E–.08	66–10	3.6b		¶12071861
JMA	XI	01 14 52 40.2–.10	33.35N	141.04E	54–5	2.9		
IDC	XI	01 14 52 41.6–4.4	33.30N	140.99E	55–40	3.5,3.3b		

ISCJB Error ellipse: s-maj=11.1km s-min=6.8km az=16.8.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=47.9km s-min=14.0km az=92.0.

JMA	**XI**	**02 19 06 43.1–.30**	**40.12N**	**145.10E**	**52**	**3.5**		
								¶14117889

JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.

ISC	**XI**	**07 04 28 23.2–1.7**	**37.26N–.04**	**142.18E–.06**	**21–12**	**3.6b**	**42**	**1-61**
NIED	XI	07 04 28 00	37.30N	142.20E	32	3.7W		¶11750171
IDC	XI	07 04 28 19.1–1.1	37.18N	142.50E	0	3.7,3.6b		
ISCJB	XI	07 04 28 22.0–1.6	37.27N–.04	142.26E–.06	24–11	3.6b,3.6b		
JMA	XI	07 04 28 23.0–.20	37.27N	142.16E	30–4	3.8,3.6b		
NEIC	XI	07 04 28 24.6–2.7	37.17N	142.42E	38–22	3.8,3.6b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S158.00000°,δ80.00000°,λ-47.00000°. NP2:ϕ_S259.00000°,δ44.00000°,λ-165.00000°. $M_0$3.63000×10^{14}
IDC Error ellipse: s-maj=26.7km s-min=19.9km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=7.2km az=177.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=15.8km az=76.0.

ISC	**XI**	**07 23 11 29.1–1.5**	**36.64N–.07**	**142.0E–.10**	**35**	**3.4b**	**19**	**1-57**
JMA	XI	07 23 11 27.5–.30	36.62N	142.03E	43	3.2		¶12072763
IDC	XI	07 23 11 30.0–2.7	37.29N	141.61E	0	3.7,3.6b		

JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=64.0km s-min=32.6km az=62.0.

JMA	**XI**	**12 22 15 16.9–.10**	**37.70N**	**146.26E**	**45**	**4.0**		
								¶14121387

JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.

ISC	**XI**	**17 01 56 22.8–2.7**	**37.81N–.08**	**142.30E–.07**	**12–17**	**3.5b**	**33**	**1-77**
NIED	XI	17 01 56 00	37.80N	142.30E	26	3.6W		¶11750737
JMA	XI	17 01 56 23.3–.20	37.78N	142.33E	37–3	3.9		
NEIC	XI	17 01 56 24.8–.88	37.65N	142.57E	35	3.9		
IDC	XI	17 01 56 26.4–5.0	37.61N	142.49E	50–46	3.5,3.4b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S182.00000°,δ62.00000°,λ53.00000°. NP2:ϕ_S60.00000°,δ45.00000°,λ138.00000°. $M_0$3.07000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=13.2km az=151.0.
IDC Error ellipse: s-maj=28.3km s-min=24.9km az=58.0.

ISC	**XI**	**17 04 03 10.5–.42**	**36.48N–.04**	**142.23E–.05**	**35**	**4.1s,4.0b**	**72**	**1-146**
NIED	XI	17 04 03 00	36.50N	142.30E	17	4.0W,4.0b		¶13400392
IDC	XI	17 04 03 05.3–.63	36.38N	142.35E	0	4.1,4.0		
NEIC	XI	17 04 03 07.1–4.0	36.45N	142.37E	11–24	4.5b,4.0W		
JMA	XI	17 04 03 07.6–.20	36.48N	142.26E	80	3.8,4.0W		
ISCJB	XI	17 04 03 08.4–.43	36.48N–.04	142.29E–.05	33	4.1s,4.0b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S349.00000°,δ89.00000°,λ71.00000°. NP2:ϕ_S255.00000°,δ19.00000°,λ176.00000°. $M_0$1.33000×10^{15}
NEIC Event type se. Moment Tensor Solution. $M_0$1.30000×10^{15}
ISCJB Event type se.

ISC	**XI**	**17 04 23 36.9–1.8**	**39.94N–.04**	**143.59E–.07**	**19–12**	**3.7b**	**46**	**1-87**
NIED	XI	17 04 23 00	40.00N	143.50E	14	3.9W		¶11750741
IDC	XI	17 04 23 33.8–1.1	39.94N	143.69E	0	3.8b,3.8		
ISCJB	XI	17 04 23 35.9–1.6	39.93N–.03	143.65E–.06	26–13	3.7b,3.8		
JMA	XI	17 04 23 36.3–.20	40.02N	143.54E	16–4	3.9,3.8		
NEIC	XI	17 04 23 39.1–3.7	39.89N	143.56E	33–25	3.9,3.8		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S29.00000°,δ68.00000°,λ115.00000°. NP2:ϕ_S158.00000°,δ33.00000°,λ43.00000°. $M_0$8.65000×10^{14}
IDC Error ellipse: s-maj=33.4km s-min=18.7km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.6km az=24.5.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=9.5km az=98.0.

ISC	**XI**	**17 04 55 11.3–2.1**	**36.46N–.05**	**142.23E–.10**	**8–16**	**3.5b**	**32**	**1-57**
IDC	XI	17 04 55 09.7–2.4	36.41N	142.35E	0	3.8L,3.6b		¶12073822
ISCJB	XI	17 04 55 11.3–2.0	36.45N–.04	142.29E–.09	21–17	3.5b,3.6b		
JMA	XI	17 04 55 12.4–.30	36.47N	142.25E	72	3.1,3.6b		
NEIC	XI	17 04 55 15.6–1.4	36.36N	142.17E	35	3.1,3.6b		

ISC Event type se.
IDC Error ellipse: s-maj=57.6km s-min=24.8km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=7.4km az=173.1.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=21.2km az=223.0.

ISC	**XI**	**18 14 53 16.6–2.2**	**39.83N–.05**	**143.42E–.08**	**34–19**	**3.5b**	**24**	**1-64**
NIED	XI	18 14 53 00	39.90N	143.40E	5	4.0W		¶14123379
ISCJB	XI	18 14 53 13.4–1.9	39.77N–.05	143.50E–.09	21–13	3.5b		
JMA	XI	18 14 53 13.7–.20	39.88N	143.43E	18–4	3.6		
IDC	XI	18 14 53 19.2–3.3	39.76N	143.41E	56–31	3.4,3.4s		

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S45.00000°,δ88.00000°,λ86.00000°. NP2:ϕ_S281.00000°,δ4.00000°,λ146.00000°. $M_0$1.12000×10^{15}
ISCJB Error ellipse: s-maj=11.7km s-min=7.6km az=23.4.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=48.0km s-min=19.0km az=90.0.

ISC	**XI**	**19 21 07 21.0–1.4**	**37.23N–.06**	**144.51E–.09**	**52–19**	**3.7b**	**24**	**3-61**
IDC	XI	19 21 07 17.0–2.6	36.80N	144.52E	0	3.8,3.6b		¶12074183
ISCJB	XI	19 21 07 19.8–1.4	37.22N–.07	144.49E–.09	65–19	3.6b,3.6b		
JMA	XI	19 21 07 20.8–.20	37.17N	144.40E	51	3.8,3.6b		

IDC Error ellipse: s-maj=60.6km s-min=29.6km az=46.0.
ISCJB Error ellipse: s-maj=13.9km s-min=8.8km az=37.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

JMA	**XI**	**26 07 11 01.1–.20**	**39.45N**	**144.18E**	**55**	**3.7**		
								¶14125999

JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.

ISC	**XII**	**01 03 47 05.6–1.1**	**36.45N–.03**	**143.27E–.03**	**22–7**	**4.5b,3.9s**	**192**	**2-146**
BJI	XII	01 03 47 00.9	36.69N	144.11E	28	4.9b,4.5s		¶13401605
NIED	XII	01 03 47 00	36.50N	143.20E	8	4.2W,4.5s		
MOS	XII	01 03 47 03.2–1.1	36.46N	143.44E	23	4.9b,4.5s		
ISCJB	XII	01 03 47 03.1–1.0	36.43N–.03	143.33E–.03	19–7	4.5b,3.9s		
JMA	XII	01 03 47 06.2–.20	36.49N	143.19E	74	4.4,3.9s		
IDC	XII	01 03 47 07.6–.46	36.36N	143.39E	41–3	4.4,4.3		
NEIC	XII	01 03 47 07.1–.88	36.37N	143.39E	37–7	4.8b,4.2W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S322.00000°,δ54.00000°,λ-118.00000°. NP2:ϕ_S184.00000°,δ44.00000°,λ-57.00000°. $M_0$2.18000×10^{15}
MOS Error ellipse: s-maj=11.3km s-min=6.7km az=118.9.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.4km az=161.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=11.5km s-min=10.8km az=86.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=80.0. Moment Tensor Solution. $M_0$2.20000×10^{15}

ISC	**XII**	**03 08 52 13.7–.91**	**39.74N–.04**	**144.57E–.07**	**41–12**	**3.7b**	**57**	**2-87**
NIED	XII	03 08 52 00	39.80N	144.50E	5	4.0W		¶11751550
IDC	XII	03 08 52 08.3–.94	39.45N	145.05E	0	3.9,3.7		
NEIC	XII	03 08 52 09.7–.55	39.54N	144.97E	10	4.0,3.7		
ISCJB	XII	03 08 52 11.9–.96	39.73N–.04	144.59E–.06	43–11	3.7b,3.7		
JMA	XII	03 08 52 12.6–.20	39.76N	144.51E	45	4.0,3.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S205.00000°,δ68.00000°,λ-89.00000°. NP2:ϕ_S22.00000°,δ22.00000°,λ-93.00000°. $M_0$1.00000×10^{15}
IDC Error ellipse: s-maj=24.1km s-min=19.7km az=101.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.0km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.9km az=32.2.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.

ISC	**XII**	**04 01 42 22.0–1.8**	**38.57N–.04**	**143.19E–.06**	**16–11**	**4.3b**	**126**	**1-145**
NIED	XII	04 01 42 00	38.50N	143.40E	20	4.2W		¶11751585
IDC	XII	04 01 42 18.7–.77	38.51N	143.27E	0	4.2,4.1		
JMA	XII	04 01 42 19.3–.10	38.52N	143.37E	24	4.3,4.1		
ISCJB	XII	04 01 42 20.8–1.7	38.55N–.04	143.27E–.07	24–11	4.3b,4.1		
MOS	XII	04 01 42 21.5–.96	38.55N	143.32E	32	4.3b,4.1		
NEIC	XII	04 01 42 24.1–.88	38.56N	143.29E	36–6	4.9b,4.2W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S37.00000°,δ73.00000°,λ104.00000°. NP2:ϕ_S176.00000°,δ22.00000°,λ51.00000°. $M_0$2.66000×10^{15}
IDC Error ellipse: s-maj=22.1km s-min=17.1km az=92.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.5km az=35.1.
MOS Error ellipse: s-maj=12.0km s-min=10.6km az=110.8.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.9km az=126.0. Moment Tensor Solution. $M_0$2.70000×10^{15}

ISC	**XII**	**04 18 42 04.6–1.7**	**38.57N–.04**	**143.05E–.05**	**24–12**	**4.2b,3.3s**	**102**	**1-95**
NIED	XII	04 18 42 00	38.60N	143.10E	26	4.1W,3.3s		¶11751594
JMA	XII	04 18 42 01.9–.10	38.56N	143.08E	15–2	4.4,3.3s		
NEIC	XII	04 18 42 02.3–.55	38.56N	143.09E	10	4.6b,4.1W		
ISCJB	XII	04 18 42 03.6–1.6	38.54N–.04	143.11E–.05	33–11	4.2b,3.3s		
MOS	XII	04 18 42 05.5–.76	38.56N	142.97E	49	4.3b,3.3s		
IDC	XII	04 18 42 05.5–.70	38.54N	143.06E	31–4	3.8,3.8		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S22.00000°,δ66.00000°,λ91.00000°. NP2:ϕ_S200.00000°,δ24.00000°,λ88.00000°. $M_0$1.68000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.8km az=134.0. Moment Tensor Solution. $M_0$1.70000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.8km az=150.0.
MOS Error ellipse: s-maj=12.3km s-min=12.0km az=76.6.
IDC Error ellipse: s-maj=19.0km s-min=12.8km az=76.0.

JMA	**XII**	**05 20 02 36.9–.10**	**37.94N**	**142.53E**	**19–2**	**2.0**		
								¶14128928

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

ISC	**XII**	**05 20 03 11.1–.14**	**38.54N–.02**	**143.04E–.02**	**32**	**5.3s,5.1b**	**726**	**1-163**
NIED	XII	05 20 03 00	38.50N	143.40E	26	5.5W,5.1b		¶15513354
JMA	XII	05 20 03 04.6–.10	38.48N	143.44E	23–3	5.5,5.1b		

IDC XII 05 20 03 05.3–.48 38.50N 143.12E 0 5.1,5.1s
DJA XII 05 20 03 08 38.46N 143.11E 10 5.4b,5.1s
ISCJB XII 05 20 03 08.9–.14 38.49N–.02 143.09E–.02 30 5.3s,5.1b
MOS XII 05 20 03 09.0–1.0 38.70N 143.00E 25 5.4s,5.4b
BJI XII 05 20 03 09.9 38.55N 142.79E 32 5.7s,5.7b
NEIC XII 05 20 03 11.1–.15 38.53N 143.00E 34 5.5W,5.5W
SZGRF XII 05 20 03 12.9 38.94N 143.85E 33 5.4s,5.1b
GCMT XII 05 20 03 13.7–.10 38.53N 143.27E 21–0 5.5W,5.1b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ61.00000°,λ89.00000°. NP2:ϕ_s203.00000°,δ29.00000°,λ91.00000°. $M_0$2.11000×10^{17}
JMA Event type fe.
IDC Error ellipse: s-maj=15.4km s-min=13.4km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=151.6.
MOS Error ellipse: s-maj=6.3km s-min=4.0km az=103.4.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=143.0. Recorded [2 JMA] in Iwate and Miyagi; [1 JMA] in Akita, Aomori and Fukushima. Moment Tensor Solution. s76 Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-0.88 $M_{r\theta}$0.83 $M_{\theta\phi}$0.13 $M_{\phi r}$1.77 Best double couple: NP1:ϕ_s20.00000°,δ78.00000°,λ100.00000°. NP2:ϕ_s161.00000°,δ16.00000°,λ52.00000°. Principal axes: T 2.3300,Plg56.0000°,Azm302.0000° ; N -0.3400,Plg9.0000°,Azm198.0000°; P -2.0000,Plg32.0000°,Azm102.0000° $M_0$2.20000×10^{17} Moment Tensor Solution. $M_0$2.10000×10^{17}
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 104 sta. Moment Tensor Solution. s71,c128; s99,c209; Moment tensor: Scale 10^{17}Nm; M_{rr}1.36±.03 $M_{\theta\theta}$-0.03±.02; $M_{\phi\phi}$-1.33±.03; $M_{r\theta}$0.80±.05; $M_{\theta\phi}$-0.41±.02; $M_{\phi r}$1.94±.07; Best double couple: NP1: ϕ_s190.00000°,δ17.00000°,λ79.00000°. NP2:ϕ_s21.00000°,δ73.00000°,λ93.00000°. Principal axes: T 2.4900,Plg62.0000°,Azm296.0000°; N 0.0800,Plg3.0000°,Azm200.0000° ; P -2.5600,Plg28.0000°,Azm109.0000° $M_0$2.50000×10^{17}
ISC XII 05 20 20 26.5–1.7 38.54N–.04 143.27E–.04 4–10 4.8s,4.4b 146 1-82
NIED XII 05 20 20 00 38.50N 143.40E 26 4.2W,4.4b **¶13402004**
JMA XII 05 20 20 25.7–.10 38.48N 143.41E 23–4 4.6,4.4b
IDC XII 05 20 20 25.9–.80 38.49N 143.21E 0 4.1,4.0
ISCJB XII 05 20 20 26.3–1.3 38.51N–.03 143.36E–.05 18–8 4.8s,4.4b
MOS XII 05 20 20 29.2–.85 38.46N 143.19E 38 4.6b,4.4b
NEIC XII 05 20 20 30.5–1.7 38.54N 143.21E 31–11 4.8b,4.2W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ62.00000°,λ100.00000°. NP2:ϕ_s199.00000°,δ30.00000°,λ72.00000°. $M_0$2.30000×10^{15}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=22.0km s-min=17.7km az=102.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.2km az=37.2.
MOS Error ellipse: s-maj=10.6km s-min=7.4km az=116.8.
NEIC Event type fe. Error ellipse: s-maj=8.3km s-min=5.0km az=121.0. Recorded [1 JMA] in Miyagi. Moment Tensor Solution. $M_0$2.30000×10^{15}
JMA XII 06 03 00 14.6–.20 38.25N 144.68E 54 3.8
¶15513411
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XII 06 03 28 29.9–2.6 38.33N–.08 143.34E–.07 21–20 3.5b 30 2-73
IDC XII 06 03 28 26.1–1.0 38.23N 143.43E 0 3.6,3.5b **¶12075974**
NEIC XII 06 03 28 27.6–.82 38.27N 143.52E 10 3.7b,3.5b
JMA XII 06 03 28 28.3–.20 38.39N 143.41E 29 3.3,3.5b
ISCJB XII 06 03 28 29.3–1.6 38.29N–.08 143.4E–.10 33–13 3.5b,3.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 06 20 09 04.4–1.8 38.65N–.05 143.27E–.05 13–11 4.1b 68 1-82
NIED XII 06 20 09 00 38.60N 143.30E 26 4.0W **¶13402102**
IDC XII 06 20 09 02.3–.82 38.72N 143.38E 0 3.9,3.8
ISCJB XII 06 20 09 03.9–1.7 38.59N–.05 143.34E–.06 24–12 4.1b,3.8
NEIC XII 06 20 09 03.6–.61 38.76N 143.33E 10 4.5b,4.0W
JMA XII 06 20 09 03.4–.20 38.57N 143.28E 15 4.3,4.0W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ62.00000°,λ92.00000°. NP2:ϕ_s195.00000°,δ28.00000°,λ85.00000°. $M_0$1.11000×10^{15}
IDC Error ellipse: s-maj=21.2km s-min=17.6km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.7km az=142.8.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.6km az=119.0. Moment Tensor Solution. $M_0$1.10000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
JMA XII 06 20 51 31.7–.20 37.94N 142.28E 39–2 3.8
NIED XII 06 20 51 00 37.90N 142.30E 5 3.6W **¶11751615**
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s302.00000°,δ89.00000°,λ63.00000°. NP2:ϕ_s209.00000°,δ27.00000°,λ177.00000°. $M_0$2.47000×10^{14}
ISC XII 07 01 18 59.7–1.2 33.67N–.06 141.2E–.10 60–13 3.3b 21 1-57
ISCJB XII 07 01 18 58.9–1.0 33.69N–.05 141.2E–.10 75–10 3.4b **¶12076094**
JMA XII 07 01 18 58.4–.20 33.69N 141.27E 73–4 3.2
IDC XII 07 01 18 58.4–2.7 33.16N 136.50E 0 3.5,3.3b
ISCJB Error ellipse: s-maj=14.4km s-min=8.5km az=3.4.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=175.4km s-min=25.4km az=107.0.
JMA XII 07 02 59 55.0–.20 38.60N 143.19E 16–4 3.5
NIED XII 07 02 59 00 38.60N 143.20E 20 3.7W **¶11751621**
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s28.00000°,δ75.00000°,λ101.00000°. NP2:ϕ_s171.00000°,δ19.00000°,λ55.00000°. $M_0$3.51000×10^{14}
ISC XII 07 20 28 40.3–3.0 38.66N–.08 143.2E–.10 17–22 3.3s,3.2b 19 1-59
NIED XII 07 20 28 00 38.60N 143.20E 23 3.6W,3.2b **¶11751628**
IDC XII 07 20 28 36.2–3.1 38.71N 143.52E 0 3.5,3.4b
JMA XII 07 20 28 39.0–.20 38.57N 143.20E 21–4 3.7,3.4b
ISCJB XII 07 20 28 40.3–1.8 38.60N–.08 143.2E–.20 34–15 3.3s,3.2b
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ76.00000°,λ95.00000°. NP2:ϕ_s181.00000°,δ15.00000°,λ71.00000°. $M_0$2.45000×10^{14}
ISC XII 07 20 39 32.0–1.8 38.63N–.04 143.15E–.05 8–11 4.4b,3.6s 136 1-117
NIED XII 07 20 39 00 38.50N 143.20E 26 4.2W,3.6s **¶13402186**
JMA XII 07 20 39 30.7–.10 38.55N 143.22E 14–3 4.3,3.6s
ISCJB XII 07 20 39 31.7–1.5 38.59N–.04 143.23E–.06 21–10 4.4b,3.6s
MOS XII 07 20 39 31.8–.89 38.62N 143.12E 21 4.7b,3.6s
IDC XII 07 20 39 36.0–3.8 38.55N 143.07E 37–30 3.9,3.8
NEIC XII 07 20 39 35.9–.90 38.59N 143.11E 37–7 4.5b,4.2W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s22.00000°,δ67.00000°,λ89.00000°. NP2:ϕ_s203.00000°,δ23.00000°,λ92.00000°. $M_0$2.16000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.7km az=38.7.
MOS Error ellipse: s-maj=10.3km s-min=7.6km az=113.4.
IDC Error ellipse: s-maj=23.3km s-min=16.2km az=93.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.3km az=114.0. Moment Tensor Solution. $M_0$2.20000×10^{15}
ISC XII 08 07 43 43.3–1.9 38.63N–.05 143.14E–.07 28–15 3.8b 45 1-63
NIED XII 08 07 43 00 38.50N 143.20E 26 3.9W **¶11751630**
IDC XII 08 07 43 37.9–2.1 38.68N 143.51E 0 3.8,3.8L
JMA XII 08 07 43 39.8–.10 38.55N 143.17E 9–2 4.3,3.8L
NEIC XII 08 07 43 39.8 38.55N 143.17E 9 4.2b,3.8L
ISCJB XII 08 07 43 41.5–.71 38.57N–.05 143.24E–.07 33 3.8b,3.8L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ63.00000°,λ90.00000°. NP2:ϕ_s203.00000°,δ27.00000°,λ90.00000°. $M_0$7.96000×10^{14}
NEIC Event type se. After JMA.
ISCJB Event type se.
ISC XII 11 06 22 34.9–1.4 38.65N–.04 143.15E–.06 20–10 3.6b 43 1-63
NIED XII 11 06 22 00 38.60N 143.20E 17 3.8W **¶11751657**
JMA XII 11 06 22 33.8–.10 38.59N 143.19E 28–4 4.0
ISCJB XII 11 06 22 34.2–1.3 38.59N–.04 143.21E–.07 31–11 3.7b
NEIC XII 11 06 22 36.9–1.2 38.63N 143.25E 40 4.0
IDC XII 11 06 22 46.5–2.8 38.31N 142.40E 101–25 3.4,3.3b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ68.00000°,λ83.00000°. NP2:ϕ_s210.00000°,δ23.00000°,λ108.00000°. $M_0$4.86000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.8km az=29.7.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=13.9km az=106.0.
IDC Error ellipse: s-maj=27.8km s-min=19.2km az=94.0.
ISC XII 13 07 20 46.9–1.0 38.50N–.03 143.24E–.03 7–6 4.5b,4.3s 222 1-88
NIED XII 13 07 20 00 38.40N 143.50E 26 4.7W,4.3s **¶13402612**
ISCJB XII 13 07 20 44.0–.93 38.47N–.03 143.36E–.03 2–5 4.5b,4.3s
JMA XII 13 07 20 43.1–.10 38.45N 143.49E 9–3 4.8,4.3s
IDC XII 13 07 20 45.7–.65 38.44N 143.04E 0 4.3,4.3
BJI XII 13 07 20 47.9 38.57N 143.04E 19 5.0b,4.8b
MOS XII 13 07 20 49.4–.99 38.48N 143.20E 37 4.9b,4.2s
NEIC XII 13 07 20 51.3–.75 38.47N 143.17E 37–6 4.8b,4.7W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ58.00000°,λ87.00000°. NP2:ϕ_s203.00000°,δ33.00000°,λ94.00000°. $M_0$1.20000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.3km az=154.8.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=19.5km s-min=15.3km az=100.0.
MOS Error ellipse: s-maj=9.6km s-min=6.2km az=117.6.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=5.6km az=111.0. Recorded [1 JMA] in Iwate and Miyagi. Moment Tensor Solution. $M_0$1.20000×10^{16}
ISC XII 13 15 04 02.4–1.5 34.12N–.05 141.72E–.08 18–8 3.4b 33 1-58
IDC XII 13 15 03 55.2–3.2 34.57N 142.83E 0 3.6L,3.6 **¶12077307**
ISCJB XII 13 15 04 01.9–1.4 34.12N–.05 141.79E–.08 31–10 3.4b,3.6
JMA XII 13 15 04 01.3–.30 34.07N 141.76E 30–4 3.2,3.6
NEIC XII 13 15 04 01.3 34.07N 141.76E 30 3.2,3.6
ISC Event type se.
IDC Error ellipse: s-maj=110.0km s-min=19.1km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.1km az=149.0.
JMA Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
NEIC Event type se. After JMA.
ISC XII 14 14 34 34.5–.39 37.24N–.04 142.13E–.04 35 4.2b 124 1-146
NIED XII 14 14 34 00 37.20N 142.20E 17 4.0W **¶11751694**
IDC XII 14 14 34 29.2–.65 37.13N 142.20E 0 4.2,4.1
JMA XII 14 14 34 31.0–.20 37.18N 142.21E 43 4.3,4.1
MOS XII 14 14 34 31.6–.94 37.20N 142.32E 33 4.3b,4.1
ISCJB XII 14 14 34 32.1–.39 37.23N–.04 142.24E–.04 33 4.3b,4.1
NEIC XII 14 14 34 32.8–2.1 37.18N 142.25E 25–14 4.9b,4.0W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ86.00000°,λ109.00000°. NP2:ϕ_s93.00000°,δ20.00000°,λ12.00000°. $M_0$1.25000×10^{15}
IDC Error ellipse: s-maj=18.3km s-min=15.7km az=144.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=10.7km s-min=8.3km az=102.1.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=155.7.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.7km az=134.0. Moment Tensor Solution. $M_0$1.30000×10^{15}
ISC XII 14 17 51 44.7–1.1 37.25N–.05 142.06E–.08 35 3.2b 24 1-57
IDC XII 14 17 51 38.4–2.7 37.15N 142.46E 0 3.6,3.4b **¶12077482**
JMA XII 14 17 51 42.5–.20 37.24N 142.12E 38 3.4,3.4b
ISCJB XII 14 17 51 43.7–1.2 37.25N–.05 142.08E–.09 33 3.2b,3.4b
ISC XII 14 19 24 02.7–1.0 37.19N–.04 142.23E–.04 1–5 4.3b 103 1-127
NIED XII 14 19 24 00 37.10N 142.30E 26 4.0W **¶15516377**
JMA XII 14 19 24 02.0–.20 37.11N 142.33E 18–3 4.2
IDC XII 14 19 24 02.1–.70 37.09N 142.18E 0 4.1,4.0
ISCJB XII 14 19 24 02.4–1.5 37.14N–.04 142.32E–.04 14–9 4.2b,4.0
NEIC XII 14 19 24 04.6–4.9 37.12N 142.15E 15–29 4.6b,4.0W
MOS XII 14 19 24 05.4–1.1 37.17N 142.23E 39 4.3b,4.0W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ73.00000°,λ101.00000°. NP2:ϕ_s136.00000°,δ20.00000°,λ57.00000°. $M_0$1.14000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=19.6km s-min=16.3km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.4km az=161.9.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=9.8km az=132.0. Moment Tensor Solution. $M_0$1.10000×10^{15}
MOS Error ellipse: s-maj=11.5km s-min=10.4km az=134.0.
ISC XII 14 20 29 32.1–.11 39.16N–.02 144.51E–.02 33 5.3b,4.5s 863 2-153
NIED XII 14 20 29 00 39.20N 144.30E 44 5.0W,4.5s **¶12077492**
MOS XII 14 20 29 29.8–.71 39.24N 144.50E 27 5.5b,4.3s
BJI XII 14 20 29 29.3 39.23N 144.51E 29 5.3b,5.2b
ISCJB XII 14 20 29 30.1–.11 39.15N–.02 144.51E–.02 31 5.3b,4.5s
NEIC XII 14 20 29 31.6–.20 39.08N 144.50E 33–1 5.4b,5.0W
IDC XII 14 20 29 32.8–.37 39.09N 144.57E 47–2 4.8,4.8
GCMT XII 14 20 29 33.6–.20 39.18N 144.58E 48–0 5.2W,4.8
JMA XII 14 20 29 34.2–.20 39.17N 144.31E 51 5.2,4.8
SZGRF XII 14 20 29 40.8 40.58N 144.15E 34 5.3b,4.7s
DJA XII 14 20 29 51 39.28N 144.66E 234 5.0b,4.7s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s355.00000°,δ74.00000°,λ129.00000°. NP2:ϕ_s104.00000°,δ41.00000°,λ24.00000°. $M_0$4.07000×10^{16}
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=105.0.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=153.5.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=151.0. Recorded [3 JMA] in Iwate, [2 JMA] in Miyagi and [1 JMA] in Aomori, Fukushima and Tochigi. Also recorded [1 JMA] on Hokkaido. Moment Tensor Solution. $M_0$4.10000×10^{16}
IDC Error ellipse: s-maj=10.6km s-min=8.8km az=131.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s66,c99; s79,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}6.25±.20 $M_{\theta\theta}$-2.67±.14; $M_{\phi\phi}$-3.58±.16; $M_{r\theta}$-0.96±.12; $M_{\theta\phi}$3.63±.10; $M_{\phi r}$3.15±.12; Best double couple: NP1:ϕ_s127.00000°,δ34.00000°,λ71.00000°. NP2:ϕ_s330.00000°,δ58.00000°,λ102.00000°. Principal axes: T 7.1700,Plg73.0000° ,Azm272.0000°; N 0.2800,Plg11.0000°,Azm143.0000°; P -7.4500,Plg13.0000°,Azm51.0000° $M_0$7.30000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
SZGRF Off east coast of Honshu, Japan.
ISC XII 17 14 29 11.1–1.4 37.20N–.05 142.17E–.07 5–8 3.7b 44 1-69
NIED XII 17 14 29 00 37.20N 142.30E 20 3.8W **¶11751727**
JMA XII 17 14 29 11.0–.30 37.15N 142.29E 34 4.0
IDC XII 17 14 29 15.5–4.2 37.14N 142.21E 38–36 3.6,3.4L
NEIC XII 17 14 29 15.1–1.3 37.19N 142.34E 37–11 4.3b,3.4L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s333.00000°,δ79.00000°,λ114.00000°. NP2:ϕ_s86.00000°,δ26.00000°,λ25.00000°. $M_0$4.75000×10^{14}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=27.1km s-min=18.9km az=100.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=9.1km az=124.0.
ISC XII 17 21 50 45.5–1.1 33.17N–.07 142.39E–.10 35 3.4b 17 2-53
ISCJB XII 17 21 50 43.4–1.1 33.17N–.07 142.42E–.09 33 3.4b **¶12077979**
JMA XII 17 21 50 43.7–.30 33.19N 142.34E 31 3.3
IDC XII 17 21 50 46.0–4.6 32.51N 140.83E 0 3.5,3.4b
ISCJB Error ellipse: s-maj=12.1km s-min=9.2km az=147.5.
JMA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=165.7km s-min=27.9km az=70.0.
ISC XII 18 06 43 17.7–2.3 38.44N–.06 143.2E–.10 15–18 3.6b 21 1-59
IDC XII 18 06 43 14.3–2.8 38.37N 143.47E 0 3.7b,3.7 **¶12078019**
JMA XII 18 06 43 16.9–.20 38.43N 143.23E 22–4 3.4,3.7
ISCJB XII 18 06 43 17.6–2.2 38.42N–.06 143.27E–.09 31–19 3.6b,3.7
JMA XII 18 09 13 07.3–.10 38.37N 143.22E 27 3.5
NIED XII 18 09 13 00 38.40N 143.20E 17 3.6W **¶11751732**
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ61.00000°,λ100.00000°. NP2:ϕ_s192.00000°,δ31.00000°,λ73.00000°. $M_0$2.78000×10^{14}
JMA XII 19 03 11 43.1–.20 38.28N 143.46E 16–5 3.5
NIED XII 19 03 11 00 38.30N 143.50E 23 3.5W **¶11751738**
JMA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ60.00000°,λ90.00000°. NP2:ϕ_s208.00000°,δ30.00000°,λ91.00000°. $M_0$2.12000×10^{14}
ISC XII 19 23 43 23.9–1.7 36.53N–.04 142.46E–.05 11–11 3.7b 44 1-146
NIED XII 19 23 43 00 36.50N 142.60E 5 3.8W **¶11751746**
IDC XII 19 23 43 21.8–.76 36.52N 142.64E 0 4.0,3.9
ISCJB XII 19 23 43 23.4–1.6 36.51N–.04 142.51E–.05 20–12 3.7b,3.9
JMA XII 19 23 43 23.5–.30 36.50N 142.57E 37 3.7,3.9

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s23.00000°,δ50.00000°,λ110.00000°. NP2:ϕ_s173.00000°,δ44.00000°,λ68.00000°. M_o6.54000×10^{14}
IDC Error ellipse: s-maj=20.8km s-min=18.3km az=107.0.
ISCJB Error ellipse: s-maj=6.9km s-min=5.7km az=40.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

ISC	**XII**	**20 10 29 20.2–.59**	**36.55N–.01**	**142.50E–.01**	**0–3**	**6.4s,6.0b**	**1965**	**1-165**
NIED	XII	20 10 29 00	36.50N	142.60E	5	6.4W,6.0b		¶13403461
JMA	XII	20 10 29 16.7–.30	36.53N	142.70E	0	6.6,6.0b		
IDC	XII	20 10 29 19.6–.37	36.50N	142.58E	0	6.3s,6.3		
ISCJB	XII	20 10 29 20.3–.07	36.48N–.01	142.51E–.01	11	6.4s,6.0b		
BJI	XII	20 10 29 21.5	36.66N	142.07E	10	6.7s,6.5		
TEH	XII	20 10 29 22.0	36.60N	142.36E	10	6.7s,6.5		
MOS	XII	20 10 29 23.5–1.1	36.51N	142.45E	33	6.5s,6.3b		
NEIC	XII	20 10 29 23.1–.09	36.54N	142.43E	19	6.4W,6.3s		
BGS	XII	20 10 29 24.1–2.7	36.24N	141.43E	20–0	6.6s,6.1b		
SZGRF	XII	20 10 29 28.2	37.11N	142.98E	33	6.8s,6.2b		
GCMT	XII	20 10 29 29.2–.10	36.56N	142.54E	12	6.3W,6.2b		
DJA	XII	20 10 29 30	36.35N	142.08E	51	6.5W,6.2b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s347.00000°,δ66.00000°,λ78.00000°. NP2:ϕ_s194.00000°,δ26.00000°,λ115.00000°. M_o4.30000×10^{18}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=11.6km s-min=10.2km az=111.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=165.2.
MOS Error ellipse: s-maj=6.0km s-min=4.0km az=109.9.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.2km az=153.0. Felt at Fukushima, Tokyo, Warabi and Yokohama. Recorded [3 JMA] in Fukushima, Miyagi and Yamagata; [2 JMA] in Akita, Chiba, Gumma, Ibaraki, Iwate, Niigata, Saitama and Tochigi; [1 JMA] in Aomori, Kanagawa, Nagano, Shizuoka and Tokyo. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s335.00000°,δ70.00000°,λ70.00000°. NP2: ϕ_s202.00000°,δ28.00000°,λ133.00000°. Principal axes: T Plg60.0000°,Azm216.0000° ; N Plg0.0000°,Azm0.0000°; P Plg22.0000°,Azm80.0000° Moment Tensor Solution. s145 Moment tensor: Scale 10^{18}Nm; M_{rr}1.08 $M_{\theta\theta}$1.25 $M_{\phi\phi}$-2.33 $M_{r\theta}$-0.79 $M_{\theta\phi}$-0.20 $M_{\phi r}$1.89 Best double couple: NP1:ϕ_s335.00000°,δ76.00000°,λ59.00000°. NP2:ϕ_s222.00000° ,δ34.00000°,λ153.00000°. Principal axes: T 2.4600,Plg49.0000°,Azm210.0000° ; N 0.7100,Plg29.0000°,Azm343.0000°; P -3.1700,Plg24.0000°,Azm88.0000° M_o2.90000×10^{18} Moment Tensor Solution. M_o4.30000×10^{18} Moment Tensor Solution. M_o6.70000×10^{18}
BGS Error ellipse: s-maj=737.9km s-min=999.9km az=-1.0.
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 108 sta. Surface waves: sta=121, comp=314, per= 50. Moment Tensor Solution. s103,c221; s99,c194; Moment tensor: Scale 10^{18}Nm; M_{rr}3.10±.02 $M_{\theta\theta}$0.46±.02; $M_{\phi\phi}$-3.56±.02; $M_{r\theta}$-1.23±.04; $M_{\theta\phi}$0.01±.01; $M_{\phi r}$1.64±.04; Best double couple: NP1:ϕ_s199.00000°,δ35.00000°,λ122.00000°. NP2:ϕ_s341.00000°,δ61.00000°,λ70.00000°. Principal axes: T 3.9000,Plg67.0000° ,Azm212.0000°; N 0.0600,Plg18.0000°,Azm351.0000°; P -3.9600,Plg14.0000°,Azm86.0000° M_o3.90000×10^{18}

ISC	**XII**	**20 10 35 08.9–1.9**	**36.63N–.05**	**142.49E–.05**	**12–12**	**4.5b**	**88**	**1-143**
MOS	XII	20 10 34 55.3–1.8	35.96N	143.78E	33	4.6b		¶15518340
ISCJB	XII	20 10 35 06.4–1.6	36.63N–.04	142.56E–.05	7–10	4.5b		
JMA	XII	20 10 35 08.0–.30	36.63N	142.50E	15	4.8		
NEIC	XII	20 10 35 08.1	36.63N	142.50E	15	4.8		
IDC	XII	20 10 35 10.7–.57	37.44N	142.55E	0	4.7,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=23.7km s-min=17.7km az=34.2.
ISCJB Event type fe. Error ellipse: s-maj=7.6km s-min=6.0km az=164.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=17.8km s-min=14.4km az=79.0.

ISC	**XII**	**20 10 40 00.3–2.1**	**36.61N–.05**	**142.49E–.08**	**16–15**	**3.9b**	**37**	**1-60**
ISCJB	XII	20 10 40 00.4–2.0	36.59N–.05	142.55E–.07	33–16	3.9b		¶12078313
JMA	XII	20 10 40 00.2–.30	36.58N	142.50E	25	3.8		
NEIC	XII	20 10 40 00.2	36.58N	142.50E	25	3.8		
IDC	XII	20 10 40 03.1–.96	37.46N	142.20E	0	4.0,3.9b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=7.6km az=26.4.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=26.1km s-min=20.3km az=88.0.

JMA	**XII**	**20 10 43 16.4–.60**	**36.46N**	**142.43E**	**15**	**3.6**		
								¶15518344

JMA Error ellipse: s-maj=2.2km s-min=4.5km az=-1.0.

ISC	**XII**	**20 10 48 24.3–1.0**	**36.59N–.02**	**142.46E–.02**	**12–6**	**5.5s,5.0b**	**474**	**1-151**
IDC	XII	20 10 48 21.6–.45	36.55N	142.53E	0	4.8,4.7b		¶15518345
ISCJB	XII	20 10 48 21.9–.92	36.58N–.02	142.50E–.02	8–5	5.5s,5.0b		
BJI	XII	20 10 48 22.8	36.78N	142.34E	10	5.8b,5.6s		
NEIC	XII	20 10 48 23.6–.14	36.56N	142.46E	10	5.2b,5.6s		
JMA	XII	20 10 48 24.0–.10	36.62N	142.56E	32	5.3,5.6s		
SZGRF	XII	20 10 48 25.3	35.18N	143.03E	33	5.6s,5.4b		
MOS	XII	20 10 48 27.9–.87	36.89N	142.38E	40	5.2b,5.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.3km s-min=11.6km az=109.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=169.6.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=2.8km az=158.0. Recorded [1 JMA] in Fukushima and Miyagi.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
SZGRF Off east coast of Honshu, Japan.
MOS Error ellipse: s-maj=7.4km s-min=4.6km az=116.9.

JMA	**XII**	**20 10 55 21.3–.20**	**36.56N**	**142.50E**	**66**	**4.0**		
NEIC	XII	20 10 55 21.3	36.56N	142.51E	66	4.0		¶13837170

JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type fe. Recorded [3 JMA] in Miyagi and [1 JMA] in Iwate. After JMA.

ISC	**XII**	**20 11 15 01.6–1.6**	**36.58N–.06**	**142.50E–.06**	**7–10**	**3.6b**	**32**	**1-49**
NEIC	XII	20 11 15 00.7	36.57N	142.61E	21	3.2		¶12078315
JMA	XII	20 11 15 00.7–.30	36.57N	142.61E	21	3.2		
IDC	XII	20 11 15 00.5–3.7	36.57N	142.59E	0	3.7,3.6b		

ISC Event type se.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=75.4km s-min=27.6km az=159.0.

ISC	**XII**	**20 11 29 40.5–.89**	**36.50N–.09**	**142.64E–.07**	**35**	**3.8b**	**29**	**2-57**
NEIC	XII	20 11 29 35.8	36.55N	142.57E	2	3.4		¶12078317
JMA	XII	20 11 29 35.8–.20	36.55N	142.57E	2	3.4		
IDC	XII	20 11 29 36.0–1.4	36.50N	142.66E	0	4.5s,4.5		
ISCJB	XII	20 11 29 38.1–.88	36.49N–.09	142.70E–.06	33	3.8b,4.5		

ISC Event type se.
NEIC Event type se. After JMA.
ISCJB Event type se.

ISC	**XII**	**20 12 21 51.5–2.0**	**36.65N–.05**	**142.36E–.06**	**20–13**	**3.7b**	**41**	**1-77**
IDC	XII	20 12 21 47.4–1.1	36.46N	142.59E	0	4.0,3.9		¶15686529
JMA	XII	20 12 21 49.9–.30	36.59N	142.50E	70	4.0,3.9		
ISCJB	XII	20 12 21 50.1–1.8	36.65N–.04	142.42E–.06	23–13	3.7b,3.9		
ISC	**XII**	**20 12 22 01.1–.95**	**36.56N–.02**	**142.46E–.02**	**4–5**	**5.3b,5.0s**	**701**	**1-160**
ISCJB	XII	20 12 21 59.6–.85	36.52N–.02	142.49E–.02	5–5	5.3b,5.0s		¶11514970
IDC	XII	20 12 22 00.1–.38	36.49N	142.54E	0	5.0,5.0		
NIED	XII	20 12 22 00	36.60N	142.50E	8	4.9W,5.0		
NEIC	XII	20 12 22 01.8–.12	36.52N	142.49E	10	5.4b,4.9W		
JMA	XII	20 12 22 01.3–.20	36.56N	142.55E	24	5.4,4.9W		
SZGRF	XII	20 12 22 03.8	36.00N	141.06E	33	5.6b,4.8s		
TEH	XII	20 12 22 03.0	36.63N	142.47E	10	5.6b,4.8s		
BJI	XII	20 12 22 03.3	36.63N	141.84E	10	5.5b,5.2s		
MOS	XII	20 12 22 05.2–.85	36.81N	142.44E	33	5.5b,4.9s		
DJA	XII	20 12 22 13	36.49N	142.18E	96	5.3b,4.9s		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.7km az=170.4.
IDC Error ellipse: s-maj=12.1km s-min=10.2km az=107.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ71.00000°,λ148.00000°. NP2:ϕ_s153.00000°,δ60.00000°,λ22.00000°. M_o2.81000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.6km az=149.0. Felt at Yokosuka. Recorded [2 JMA] in Fukushima and Miyagi and [1 JMA] in Yamagata. Moment Tensor Solution. M_o2.80000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
SZGRF Near east coast of eastern Honshu, Japan.
MOS Error ellipse: s-maj=7.0km s-min=4.3km az=114.1.

ISC	**XII**	**20 12 31 25.8–1.8**	**36.59N–.03**	**142.52E–.05**	**16–12**	**3.8b**	**50**	**1-64**
IDC	XII	20 12 31 23.4–.90	36.51N	142.64E	0	3.9L,3.9		¶12078326
ISCJB	XII	20 12 31 25.3–1.8	36.59N–.04	142.57E–.05	25–14	3.8b,3.9		
NEIC	XII	20 12 31 25.5	36.58N	142.53E	25	3.6,3.9		
JMA	XII	20 12 31 25.5–.30	36.58N	142.53E	25	3.6,3.9		

ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=18.1km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=6.1km az=21.3.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

ISC	**XII**	**20 12 34 31.5–2.4**	**36.52N–.06**	**142.47E–.09**	**11–18**	**3.4b**	**28**	**1-60**
IDC	XII	20 12 34 29.8–1.6	36.42N	142.83E	0	3.6,3.5		¶12078328
ISCJB	XII	20 12 34 30.8–2.3	36.51N–.06	142.58E–.07	25–20	3.4b,3.5		
NEIC	XII	20 12 34 30.1	36.52N	142.50E	10	3.3,3.5		
JMA	XII	20 12 34 30.1–.30	36.52N	142.50E	10	3.3,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=41.2km s-min=22.5km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=9.1km az=137.6.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

ISC	**XII**	**20 13 42 14.3–.95**	**36.9N–.10**	**142.35E–.08**	**35**	**3.5b**	**17**	**1-57**
IDC	XII	20 13 42 09.2–1.4	37.03N	142.46E	0	3.7,3.6b		¶12078334
ISCJB	XII	20 13 42 11.6–.94	36.79N–.09	142.39E–.08	33	3.5b,3.6b		
JMA	XII	20 13 42 15.1–.20	36.52N	141.87E	40	1.7,3.6b		

IDC Error ellipse: s-maj=27.4km s-min=25.0km az=105.0.
ISCJB Error ellipse: s-maj=13.8km s-min=8.9km az=19.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**20 14 43 32.9–2.0**	**36.60N–.04**	**142.46E–.06**	**16–13**	**3.6b**	**39**	**1-64**
NIED	XII	20 14 43 00	36.60N	142.50E	5	3.8W		¶11751757
IDC	XII	20 14 43 30.7–.99	36.53N	142.58E	0	3.8,3.6b		
ISCJB	XII	20 14 43 31.2–2.0	36.62N–.04	142.59E–.05	20–16	3.6b,3.6b		
JMA	XII	20 14 43 32.0–.20	36.58N	142.49E	19	3.5,3.6b		
NEIC	XII	20 14 43 32.0	36.58N	142.49E	19	3.5,3.6b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s256.00000°,δ71.00000°,λ126.00000°. NP2:ϕ_s11.00000°,δ40.00000°,λ31.00000°. M_o5.53000×10^{14}
IDC Error ellipse: s-maj=29.6km s-min=20.8km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=7.0km az=21.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. After JMA.

ISC	**XII**	**20 16 56 31.3–2.6**	**36.68N–.05**	**142.11E–.10**	**28–22**	**3.4b**	**22**	**1-61**
IDC	XII	20 16 56 26.7–1.7	36.64N	142.33E	0	3.7,3.6		¶12078355
ISCJB	XII	20 16 56 29.0–1.3	36.67N–.05	142.4E–.10	33–14	3.5b,3.6		
JMA	XII	20 16 56 30.5–.40	36.69N	142.16E	53	3.4,3.6		

IDC Error ellipse: s-maj=38.2km s-min=24.2km az=63.0.
ISCJB Error ellipse: s-maj=16.3km s-min=7.5km az=14.8.
JMA Error ellipse: s-maj=1.1km s-min=3.6km az=-1.0.

ISC	**XII**	**20 17 37 18.3–.95**	**36.70N–.02**	**142.21E–.03**	**19–5**	**5.0b,4.9s**	**512**	**1-146**
NIED	XII	20 17 37 00	36.60N	142.30E	17	5.0W,4.9s		¶13403502
IDC	XII	20 17 37 15.3–.51	36.68N	142.23E	0	4.6,4.5b		
NEIC	XII	20 17 37 16.4–.23	36.61N	142.20E	10	5.2b,5.0W		
ISCJB	XII	20 17 37 17.6–.83	36.68N–.03	142.20E–.03	25–5	5.0b,4.9s		
JMA	XII	20 17 37 17.6–.20	36.67N	142.26E	45	5.2,4.9s		
SZGRF	XII	20 17 37 17.7	35.77N	142.21E	33	5.3b,4.9s		
BJI	XII	20 17 37 17.5	36.70N	142.11E	30	5.3b,5.0s		
MOS	XII	20 17 37 19.6–.97	36.83N	142.11E	33	5.4b,4.9s		
GCMT	XII	20 17 37 25.2–.40	36.71N	142.19E	25	5.1W,4.9s		
DJA	XII	20 17 37 38	36.56N	138.62E	10	5.1b,4.9s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ77.00000°,λ77.00000°. NP2:ϕ_s236.00000°,δ18.00000°,λ134.00000°. M_o4.09000×10^{16}
IDC Error ellipse: s-maj=15.4km s-min=11.4km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.6km az=131.0. Recorded [2 JMA] in Ibaraki and [1 JMA] in Chiba, Fukushima, Gumma, Miyagi, Saitama, Tochigi and Yamagata. Moment Tensor Solution. M_o4.10000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.0km az=38.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
SZGRF Off east coast of Honshu, Japan.
MOS Error ellipse: s-maj=8.0km s-min=4.5km az=121.5.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s25,c27; s57,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}2.37±.19 $M_{\theta\theta}$-0.84±.14; $M_{\phi\phi}$-1.53±.13; $M_{r\theta}$1.96±.31; $M_{\theta\phi}$-1.64±.09; $M_{\phi r}$4.70±.27; Best double couple: NP1:ϕ_s237.00000°,δ16.00000°,λ122.00000°. NP2:ϕ_s24.00000°,δ77.00000°,λ82.00000°. Principal axes: T 5.6000,Plg57.0000° ,Azm283.0000°; N 0.2800,Plg8.0000°,Azm26.0000°; P -5.8700,Plg31.0000°,Azm121.0000° M_o5.70000×10^{16}

ISC	**XII**	**20 18 04 47.9–1.3**	**36.65N–.04**	**142.20E–.07**	**0–6**	**3.8b**	**42**	**1-57**
ISCJB	XII	20 18 04 48.8–1.6	36.65N–.04	142.27E–.07	20–10	3.7b		¶12078365
JMA	XII	20 18 04 48.9–.30	36.68N	142.24E	20	3.6		
IDC	XII	20 18 04 55.0–1.4	36.78N	140.97E	0	3.7,3.5b		
NEIC	XII	20 18 04 58.3–1.8	37.00N	141.63E	46–15	4.4b,3.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.2km az=14.5.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=37.7km s-min=29.8km az=65.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=14.3km az=114.0.

ISC	**XII**	**20 18 44 35.7–3.1**	**36.1N–.30**	**144.4E–.40**	**35**	**3.3b**	**6**	**3-60**
IDC	XII	20 18 44 39.7–5.2	34.82N	143.37E	0	3.3b,3.3		¶12078369
JMA	XII	20 18 44 55.7–.40	36.52N	142.53E	43	2.3,3.3		

IDC Error ellipse: s-maj=160.6km s-min=33.2km az=58.0.
JMA Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.

ISC	**XII**	**20 19 11 32.1–2.5**	**36.72N–.06**	**142.26E–.06**	**14–16**	**3.8b**	**40**	**1-61**
NIED	XII	20 19 11 00	36.70N	142.20E	14	4.0W		¶11751759
NEIC	XII	20 19 11 30.8–.88	36.71N	142.38E	10	4.2b		
ISCJB	XII	20 19 11 32.2–1.2	36.73N–.06	142.36E–.09	33–10	3.8b		
JMA	XII	20 19 11 33.4–.20	36.73N	142.22E	63	3.7		
IDC	XII	20 19 11 34.5–1.1	36.24N	141.19E	0	3.8,3.6b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s20.00000°,δ74.00000°,λ84.00000°. NP2:ϕ_s219.00000°,δ17.00000°,λ108.00000°. M_o1.27000×10^{15}
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=11.9km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.9km az=25.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=31.1km s-min=21.7km az=76.0.

ISC	**XII**	**20 19 13 38.8–.79**	**36.71N–.02**	**142.10E–.02**	**11–4**	**5.2s,5.1b**	**631**	**1-146**
NIED	XII	20 19 13 00	36.70N	142.20E	20	5.4W,5.1b		¶13403511
IDC	XII	20 19 13 36.8–.51	36.63N	142.15E	0	4.9,4.9s		
BJI	XII	20 19 13 37.1	36.78N	141.85E	9	5.5b,5.4s		
JMA	XII	20 19 13 37.4–.30	36.70N	142.25E	17	5.4,5.4s		
ISCJB	XII	20 19 13 38.7–.70	36.65N–.02	142.12E–.03	22–4	5.2s,5.1b		
NEIC	XII	20 19 13 38.4–.16	36.67N	142.05E	10	5.4W,5.3b		
MOS	XII	20 19 13 42.3–.90	37.03N	141.99E	33	5.4s,5.4b		
GCMT	XII	20 19 13 43.9–.20	36.72N	142.23E	21–0	5.4W,5.4b		
SZGRF	XII	20 19 13 49.2	36.69N	143.13E	33	5.5b,5.4b		
DJA	XII	20 19 13 56	36.58N	141.40E	127	5.1b,5.4b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ75.00000°,λ80.00000°. NP2:ϕ_s224.00000°,δ18.00000°,λ122.00000°. M_o1.37000×10^{17}
IDC Error ellipse: s-maj=14.7km s-min=12.4km az=124.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.5km az=146.8.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.1km az=143.0. Recorded [2 JMA] in Fukushima, Ibaraki and Tochigi; [1 JMA] in Gumma, Miyagi and Yamagata. Moment Tensor Solution. M_o1.40000×10^{17}
MOS Error ellipse: s-maj=7.2km s-min=4.3km az=113.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c115; s97,c190; Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.03 $M_{\theta\theta}$-0.24±.02; $M_{\phi\phi}$-0.56±.02; $M_{r\theta}$0.35±.03; $M_{\theta\phi}$-0.44±.01; $M_{\phi r}$1.02±.04; Best double couple: NP1:ϕ_s229.00000°,δ20.00000°,λ115.00000°. NP2:ϕ_s22.00000°,δ72.00000°,λ81.00000°. Principal axes: T 1.3500,Plg62.0000° ,Azm278.0000°; N 0.0200,Plg9.0000°,Azm25.0000°; P -1.3700,Plg26.0000°,Azm119.0000°

$M_0$1.40000×10^{17}
SZGRF Off east coast of Honshu, Japan.
ISC XII 20 22 12 43.2–2.1 36.59N–.04 142.49E–.07 8–15 3.4b 26 1-60
IDC XII 20 22 12 41.8–1.3 36.49N 142.63E 0 3.5,3.4b ¶12078391
ISCJB XII 20 22 12 43.0–1.9 36.58N–.04 142.58E–.06 21–17 3.4b,3.4b
JMA XII 20 22 12 43.0–.30 36.56N 142.42E 4 3.4,3.4b
IDC Error ellipse: s-maj=32.6km s-min=24.0km az=84.0.
ISCJB Error ellipse: s-maj=8.4km s-min=7.4km az=1.2.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC XII 21 00 24 17.7–1.6 36.62N–.03 142.47E–.04 1–10 4.1b 120 1-146
NIED XII 21 00 24 00 36.60N 142.60E 5 4.2W ¶11517245
IDC XII 21 00 24 17.0–.66 36.54N 142.53E 0 4.0,4.0L
ISCJB XII 21 00 24 17.8–1.4 36.60N–.04 142.54E–.05 15–9 4.1b,4.0L
JMA XII 21 00 24 18.3–.30 36.62N 142.59E 28 4.1,4.0L
NEIC XII 21 00 24 18.3–.38 36.51N 142.56E 10 4.6b,4.2W
MOS XII 21 00 24 20.8–1.9 36.48N 142.76E 33 4.5b,4.2W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s307.00000°,δ78.00000°,λ18.00000°. NP2:ϕ_s213.00000°,δ72.00000°,λ167.00000°. $M_0$2.37000×10^{15}
IDC Error ellipse: s-maj=17.8km s-min=16.6km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.8km az=36.0.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=8.0km az=116.0. Moment Tensor Solution. $M_0$2.40000×10^{15}
MOS Error ellipse: s-maj=11.0km s-min=7.2km az=118.4.
ISC XII 21 04 14 51.7–1.2 36.66N–.05 142.2E–.10 35 3.4b 21 1-61
JMA XII 21 04 14 49.5–.30 36.63N 142.21E 24 3.1 ¶15518692
ISCJB XII 21 04 14 50.6–1.2 36.65N–.05 142.2E–.10 33 3.4b
IDC XII 21 04 15 15.5–3.3 36.33N 139.57E 141–14 3.2,3.0
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISCJB Error ellipse: s-maj=14.5km s-min=6.8km az=11.9.
IDC Error ellipse: s-maj=81.0km s-min=20.4km az=62.0.
ISC XII 21 04 50 16.0–2.2 36.57N–.05 142.43E–.08 9–16 3.7b 25 1-64
ISCJB XII 21 04 50 16.0–1.7 36.56N–.05 142.51E–.06 24–13 3.7b ¶12078416
JMA XII 21 04 50 15.4–.20 36.58N 142.56E 25 3.4
IDC XII 21 04 50 15.2–3.8 36.62N 142.49E 0 3.7b,3.7
ISCJB Error ellipse: s-maj=9.3km s-min=7.7km az=38.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=80.1km s-min=31.3km az=160.0.
ISC XII 21 07 35 51.8–1.9 36.62N–.05 142.50E–.06 9–14 3.4b 40 1-64
IDC XII 21 07 35 50.3–.96 36.65N 142.54E 0 3.5,3.5 ¶12078428
ISCJB XII 21 07 35 51.6–1.8 36.59N–.04 142.57E–.06 24–15 3.4b,3.5
NEIC XII 21 07 35 51.3 36.60N 142.59E 24 3.3,3.5
JMA XII 21 07 35 51.2–.30 36.60N 142.59E 24 3.3,3.5
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=20.1km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.9km az=35.3.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC XII 21 09 16 43.9–.67 36.61N–.02 142.34E–.02 4–4 5.8s,5.5b 1102 1-165
BGS XII 21 09 16 37.3–2.2 34.53N 142.38E 20–0 6.1s,5.6b ¶13403567
JMA XII 21 09 16 40.6–.20 36.60N 142.47E 0 6.2,5.6b
ISCJB XII 21 09 16 41.7–.61 36.58N–.02 142.37E–.02 0–3 5.8s,5.6b
IDC XII 21 09 16 42.3–.36 36.53N 142.49E 0 5.6,5.6s
BJI XII 21 09 16 43.2 36.66N 142.22E 10 6.2s,6.0
NEIC XII 21 09 16 44.7–.12 36.54N 142.32E 13 5.9W,5.9W
MOS XII 21 09 16 46.0–.95 36.65N 142.39E 33 5.8s,5.8b
SZGRF XII 21 09 16 46.0 37.03N 142.46E 33 6.1s,5.7b
DJA XII 21 09 16 48 36.72N 142.74E 37 6.0W,5.7b
GCMT XII 21 09 16 49.0–.10 36.63N 142.41E 12 5.9W,5.7b
NIED XII 21 09 17 00 36.60N 142.50E 5 5.9W,5.7b
ISC Event type fe.
BGS Error ellipse: s-maj=860.5km s-min=999.9km az=-1.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=155.6.
IDC Error ellipse: s-maj=12.3km s-min=9.5km az=92.0.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=2.8km az=148.0. Felt at Koriyama, Tokyo and Tsukuba. Recorded [3 JMA] in Fukushima; [2 JMA] in Chiba, Ibaraki, Iwate, Miyagi, Saitama, Tochigi and Yamagata; [1 JMA] in Akita, Aomori, Gumma, Niigata and Tokyo. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s340.00000°,δ60.00000°,λ-90.00000°. NP2:ϕ_s160.00000°,δ30.00000°,λ-90.00000°. Principal axes: T Plg15.0000°,Azm70.0000°; N Plg0.0000°,Azm0.0000°; P Plg75.0000° ,Azm250.0000° Moment Tensor Solution. s132 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.69 $M_{\theta\theta}$-3.45 $M_{\phi\phi}$5.14 $M_{r\theta}$1.74 $M_{\theta\phi}$1.37 $M_{\phi r}$-4.56 Best double couple: NP1:ϕ_s232.00000° ,δ39.00000°,λ-14.00000°. NP2:ϕ_s334.00000°,δ81.00000°,λ-128.00000°. Principal axes: T 7.4400,Plg26.0000°,Azm92.0000°; N -1.5400,Plg37.0000°,Azm340.0000° ; P -5.9000,Plg41.0000°,Azm208.0000° $M_0$6.80000×10^{17} Moment Tensor Solution. $M_0$7.70000×10^{17}
MOS Error ellipse: s-maj=7.6km s-min=5.5km az=99.8.
SZGRF Off east coast of Honshu, Japan.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta=107, comp=259, per= 50. Moment Tensor Solution. s90,c183; s76,c98; Moment tensor: Scale 10^{17}Nm; M_{rr}-6.05±.04 $M_{\theta\theta}$-0.83±.05; $M_{\phi\phi}$6.88±.04; $M_{r\theta}$2.05±.13; $M_{\theta\phi}$2.08±.04; $M_{\phi r}$-3.43±.12; Best double couple: NP1:ϕ_s217.00000°,δ38.00000°,λ-53.00000°. NP2:ϕ_s352.00000°,δ61.00000°,λ-116.00000°. Principal axes: T 8.0100,Plg12.0000°,Azm100.0000°; N -0.2000,Plg22.0000°,Azm6.0000° ; P -7.8100,Plg65.0000°,Azm217.0000° $M_0$7.90000×10^{17}
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ61.00000°,λ-114.00000°. NP2:ϕ_s212.00000°,δ37.00000°,λ-54.00000°. $M_0$7.68000×10^{17}
ISC XII 21 09 55 00.4–1.7 36.59N–.03 142.40E–.05 11–11 3.9b 52 1-146
IDC XII 21 09 54 58.3–.89 36.50N 142.44E 0 4.0,3.9b ¶15518791
ISCJB XII 21 09 54 60.0–1.6 36.58N–.03 142.46E–.05 22–13 3.9b,3.9b
JMA XII 21 09 54 59.4–.20 36.61N 142.42E 15 3.8,3.9b
NEIC XII 21 09 55 00.5–4.6 36.52N 142.44E 14–28 4.6b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=19.8km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.4km az=20.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=8.2km az=135.0.
ISC XII 21 10 23 45.1–.35 36.67N–.03 142.30E–.04 35 4.4b 154 1-151
JMA XII 21 10 23 37.5–.30 36.61N 142.44E 0 4.6 ¶12078444
IDC XII 21 10 23 39.1–.60 36.49N 142.38E 0 4.5L,4.3
NEIC XII 21 10 23 41.5–.41 36.70N 142.38E 10 4.8b,4.3
ISCJB XII 21 10 23 43.1–.35 36.68N–.03 142.32E–.04 33 4.4b,4.3
MOS XII 21 10 23 44.6–.97 36.94N 142.25E 33 4.6b,4.3
ISC Event type se.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=15.8km s-min=15.2km az=122.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.0km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.2km az=42.5.
MOS Error ellipse: s-maj=9.4km s-min=7.1km az=110.2.
JMA XII 21 10 25 29.3–.20 36.61N 142.43E 19 3.5 ¶15518804
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 21 10 36 13.4–1.9 36.60N–.04 142.33E–.05 7–12 3.6b 52 1-90
IDC XII 21 10 36 12.1–.88 36.56N 142.47E 0 4.2s,4.2 ¶12078446
JMA XII 21 10 36 12.9–.30 36.60N 142.40E 16–4 3.6,4.2
ISCJB XII 21 10 36 13.4–1.6 36.58N–.04 142.40E–.06 20–11 3.6b,4.2
NEIC XII 21 10 36 13.6–.56 36.61N 142.41E 10 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=19.6km az=102.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=6.1km az=22.4.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.4km az=144.0.
ISC XII 21 11 02 00.6–1.8 36.64N–.03 142.40E–.06 7–12 3.5b 33 1-61
JMA XII 21 11 01 59.9–.30 36.63N 142.45E 15–5 3.3 ¶12078449
IDC XII 21 11 01 59.6–1.3 36.54N 142.57E 0 3.6,3.4b
ISCJB XII 21 11 02 00.7–1.7 36.62N–.03 142.49E–.06 23–15 3.5b,3.4b
ISC XII 21 12 19 21.8–1.1 36.64N–.03 142.24E–.03 11–6 4.7b,4.1s 278 1-146
NIED XII 21 12 19 00 36.60N 142.40E 11 4.6W,4.1s ¶13403575
JMA XII 21 12 19 18.7–.30 36.61N 142.40E 8–4 4.7,4.1s
IDC XII 21 12 19 19.4–.48 36.51N 142.36E 0 4.5,4.5L
ISCJB XII 21 12 19 20.4–.93 36.61N–.03 142.31E–.03 14–5 4.7b,4.1s
BJI XII 21 12 19 21.3 36.83N 141.98E 10 4.9b,4.8b
NEIC XII 21 12 19 21.3–.26 36.60N 142.34E 10 4.9b,4.6W
MOS XII 21 12 19 25.3–.91 36.98N 142.14E 33 4.8b,4.6W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s340.00000°,δ87.00000°,λ60.00000°. NP2:ϕ_s245.00000°,δ30.00000°,λ174.00000°. $M_0$1.00000×10^{16}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=15.0km s-min=12.3km az=108.0.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.8km az=150.7.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.5km az=152.0. Felt at Motegi. Moment Tensor Solution. $M_0$1.00000×10^{16}
MOS Error ellipse: s-maj=8.3km s-min=5.4km az=116.5.
ISC XII 21 13 56 39.0–2.0 36.62N–.04 142.25E–.07 9–14 3.7b 28 1-60
IDC XII 21 13 56 36.6–1.8 36.51N 142.47E 0 3.8L,3.8 ¶12078465
ISCJB XII 21 13 56 39.3–1.9 36.62N–.04 142.36E–.07 29–16 3.7b,3.8
JMA XII 21 13 56 39.4–.30 36.65N 142.31E 26 3.4,3.8
IDC Error ellipse: s-maj=49.4km s-min=21.9km az=68.0.
ISCJB Error ellipse: s-maj=8.9km s-min=6.3km az=0.4.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC XII 21 16 41 56.0–2.1 36.59N–.05 142.45E–.08 6–16 3.5b 36 1-60
JMA XII 21 16 41 54.7–.40 36.58N 142.45E 5–5 3.4 ¶12078476
IDC XII 21 16 41 54.4–1.7 36.55N 142.56E 0 3.7,3.6b
ISCJB XII 21 16 41 55.7–1.9 36.54N–.05 142.55E–.07 23–16 3.5b,3.6b
NEIC XII 21 16 41 55.2–1.0 36.45N 142.61E 10 4.1b,3.6b
ISC Event type se.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=48.4km s-min=21.4km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=8.9km az=13.7.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=14.3km az=71.0.
ISC XII 21 22 30 10.9–.97 36.49N–.05 142.37E–.08 35 3.9b 33 1-57
ISCJB XII 21 22 30 09.4–1.0 36.48N–.05 142.40E–.08 33 3.9b ¶12078499
JMA XII 21 22 30 09.3–.30 36.48N 142.40E 64 3.3
IDC XII 21 22 30 12.5–2.0 36.99N 141.82E 0 3.9b,3.8
NEIC XII 21 22 30 17.3–1.3 37.07N 141.81E 35 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.4km az=20.9.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=42.3km s-min=25.0km az=86.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=14.5km az=122.0.
ISC XII 22 01 33 25.6–.76 39.21N–.04 144.25E–.06 35 3.4b 33 2-60
NIED XII 22 01 33 00 39.20N 144.20E 5 3.5W ¶11751776
IDC XII 22 01 33 20.2–1.4 38.95N 144.56E 0 3.7,3.6
ISCJB XII 22 01 33 23.6–.79 39.19N–.04 144.28E–.06 33 3.4b,3.6
JMA XII 22 01 33 25.3–.10 39.17N 144.18E 51 3.7,3.6
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s200.00000°,δ47.00000°,λ-89.00000°. NP2:ϕ_s18.00000°,δ43.00000°,λ-91.00000°. $M_0$2.02000×10^{14}
IDC Error ellipse: s-maj=29.2km s-min=25.9km az=100.0.
ISCJB Error ellipse: s-maj=7.8km s-min=5.0km az=40.1.
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC XII 22 07 51 19.6–1.2 36.57N–.06 142.58E–.09 35 19 2-60
JMA XII 22 07 51 17.9–.20 36.59N 142.61E 69 3.4 ¶12078528
ISCJB XII 22 07 51 18.0–1.2 36.58N–.06 142.65E–.09 33 3.4
IDC XII 22 07 51 24.1–1.7 37.10N 141.84E 0 3.8b,3.8
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Error ellipse: s-maj=10.0km s-min=8.4km az=6.7.
IDC Error ellipse: s-maj=43.5km s-min=25.8km az=73.0.
ISC XII 22 08 32 58.2–1.9 36.59N–.04 142.4E–.10 10–18 27 1-60
JMA XII 22 08 32 59.2–.20 36.55N 142.45E 72 2.9 ¶12078532
IDC XII 22 08 33 04.8–1.8 37.22N 141.62E 0 3.7,3.6b
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=35.6km s-min=32.6km az=119.0.
ISC XII 22 14 28 11.5–1.5 34.60N–.06 142.02E–.06 5–8 3.3b 35 1-58
JMA XII 22 14 28 11.4–.30 34.41N 142.03E 29–4 3.3 ¶12078572
IDC XII 22 14 28 11.3–1.6 34.65N 142.09E 0 3.5,3.5
NEIC XII 22 14 28 16.1–.97 34.71N 142.10E 35 3.3,3.5
ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=47.8km s-min=19.2km az=71.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=12.6km az=71.0.
JMA XII 22 18 55 14.0–.20 38.55N 143.30E 32 3.5
NIED XII 22 18 55 00 38.60N 143.30E 14 3.6W ¶11751790
JMA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s3.00000°,δ60.00000°,λ81.00000°. NP2:ϕ_s201.00000°,δ32.00000°,λ106.00000°. $M_0$2.93000×10^{14}
ISC XII 23 01 12 28.3–1.6 36.61N–.04 142.53E–.05 9–11 3.8b 60 1-146
NIED XII 23 01 12 00 36.60N 142.60E 5 3.9W ¶11751793
IDC XII 23 01 12 26.9–.74 36.53N 142.56E 0 3.9,3.8
ISCJB XII 23 01 12 27.1–1.3 36.61N–.04 142.59E–.05 14–9 3.8b,3.8
JMA XII 23 01 12 27.6–.30 36.62N 142.63E 25 3.9,3.8
NEIC XII 23 01 12 28.4–.50 36.62N 142.59E 10 4.5b,3.8W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s172.00000°,δ59.00000°,λ58.00000°. NP2:ϕ_s42.00000°,δ43.00000°,λ131.00000°. $M_0$7.24000×10^{14}
IDC Error ellipse: s-maj=18.8km s-min=18.4km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.3km az=34.6.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.1km az=154.0. Moment Tensor Solution. $M_0$7.20000×10^{14}
ISC XII 23 01 37 44.3–1.8 36.58N–.04 142.43E–.09 9–14 3.4b 31 1-49
IDC XII 23 01 37 39.7–4.0 36.29N 142.82E 0 3.6,3.5L ¶12078618
ISCJB XII 23 01 37 43.6–1.5 36.57N–.04 142.50E–.08 14–11 3.4b,3.5L
JMA XII 23 01 37 44.1–.40 36.62N 142.38E 9–4 3.5,3.5L
IDC Error ellipse: s-maj=82.8km s-min=29.4km az=162.0.
ISCJB Error ellipse: s-maj=10.8km s-min=5.7km az=12.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 23 08 23 27.6–.52 36.51N–.03 142.38E–.05 35 3.9b 61 1-90
NIED XII 23 08 23 00 36.50N 142.40E 11 4.0W ¶15519457
IDC XII 23 08 23 22.1–.93 36.38N 142.52E 0 4.0,3.9
NEIC XII 23 08 23 23.9–.53 36.44N 142.51E 10 4.2b,3.9
ISCJB XII 23 08 23 25.8–.53 36.50N–.03 142.40E–.05 33 3.9b,3.9
JMA XII 23 08 23 25.3–.20 36.51N 142.38E 81 3.5,3.9
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s349.00000°,δ80.00000°,λ69.00000°. NP2:ϕ_s235.00000°,δ23.00000°,λ154.00000°. $M_0$1.18000×10^{15}
IDC Error ellipse: s-maj=24.1km s-min=19.6km az=72.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.4km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=31.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC XII 23 10 05 25.9–1.6 36.55N–.03 142.50E–.05 16–11 3.9b 63 1-90
NIED XII 23 10 05 00 36.60N 142.50E 8 3.9W ¶11751799
IDC XII 23 10 05 22.6–.90 36.41N 142.67E 0 4.0,3.9b
ISCJB XII 23 10 05 24.6–1.5 36.54N–.03 142.57E–.05 21–12 3.9b,3.9b
JMA XII 23 10 05 25.2–.20 36.57N 142.54E 29 3.6,3.9b
NEIC XII 23 10 05 25.2 36.57N 142.54E 29 4.0b,3.9b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s352.00000°,δ54.00000°,λ78.00000°. NP2:ϕ_s193.00000°,δ38.00000°,λ106.00000°. $M_0$8.81000×10^{14}
IDC Error ellipse: s-maj=20.5km s-min=19.0km az=34.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.5km az=23.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type se. After JMA.
ISC XII 23 13 44 34.7–1.2 36.69N–.03 142.28E–.05 4–7 3.9b 66 1-146
NIED XII 23 13 44 00 36.70N 142.40E 14 3.9W ¶11751810
IDC XII 23 13 44 33.8–.77 36.62N 142.31E 0 4.1,3.9L
JMA XII 23 13 44 34.9–.20 36.68N 142.36E 20 4.0,3.9L
ISCJB XII 23 13 44 35.2–1.4 36.66N–.03 142.35E–.05 20–10 3.9b,3.9L
NEIC XII 23 13 44 35.4–.42 36.68N 142.33E 10 4.5b,3.9W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s351.00000°,δ60.00000°,λ108.00000°. NP2:ϕ_s138.00000°,δ35.00000°,λ62.00000°. $M_0$9.17000×10^{14}

IDC Error ellipse: s-maj=20.9km s-min=19.7km az=111.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.2km az=15.1.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.1km az=148.0. Moment Tensor Solution. $M_0$9.20000×10^{14}

ISC	**XII**	**23 16 46 14.0–.84**	**36.50N–.04**	**142.56E–.07**	**35**	**3.5b**	**42**	**2-60**	
ISCJB	XII	23 16 46 12.3–.81	36.51N–.04	142.60E–.06	33	3.5b			¶12078694
JMA	XII	23 16 46 12.9–.20	36.51N	142.51E	67	3.2			
IDC	XII	23 16 46 15.2–1.7	36.88N	142.05E	0	3.6b,3.6			
NEIC	XII	23 16 46 16.2–.89	36.93N	142.17E	10	3.2,3.6			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.2km az=16.8.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=45.5km s-min=23.1km az=70.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=10.9km az=116.0.

ISC	**XII**	**23 19 45 33.6–1.5**	**36.54N–.03**	**142.39E–.04**	**11–9**	**4.4b,3.5s**	**155**	**1-146**	
NIED	XII	23 19 45 00	36.50N	142.40E	11	4.4W,3.5s			¶11751814
IDC	XII	23 19 45 31.9–.63	36.46N	142.43E	0	4.2,4.2			
NEIC	XII	23 19 45 33.6–3.7	36.48N	142.46E	13–22	4.8b,4.4W			
ISCJB	XII	23 19 45 33.3–1.2	36.52N–.03	142.44E–.04	23–8	4.4b,3.5s			
JMA	XII	23 19 45 34.2–.20	36.51N	142.41E	62	4.0,3.5s			
MOS	XII	23 19 45 36.8–.90	36.80N	142.26E	33	4.5b,3.5s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ81.00000°,λ66.00000°. NP2:ϕ_s236.00000°,δ26.00000°,λ158.00000°. $M_0$4.69000×10^{15}
IDC Error ellipse: s-maj=16.6km s-min=15.3km az=164.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.2km az=141.0. Moment Tensor Solution. $M_0$4.70000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.8km az=16.6.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=10.2km s-min=7.5km az=122.4.

ISC	**XII**	**23 20 21 16.5–2.0**	**36.51N–.04**	**142.35E–.09**	**11–14**	**3.5b**	**28**	**1-57**	
IDC	XII	23 20 21 14.0–2.6	36.44N	142.58E	0	3.6b,3.6			¶12078717
ISCJB	XII	23 20 21 16.4–2.0	36.50N–.04	142.40E–.08	23–17	3.5b,3.6			
JMA	XII	23 20 21 17.0–.20	36.51N	142.38E	37	3.1,3.6			

IDC Error ellipse: s-maj=72.5km s-min=27.9km az=63.0.
ISCJB Error ellipse: s-maj=11.2km s-min=6.0km az=25.4.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**23 20 25 46.6–1.6**	**36.52N–.03**	**142.33E–.05**	**16–10**	**4.3b**	**111**	**1-75**	
NIED	XII	23 20 25 00	36.50N	142.40E	11	4.3W			¶11751815
IDC	XII	23 20 25 43.8–.90	36.51N	142.49E	0	4.1,4.0			
NEIC	XII	23 20 25 45.8–3.7	36.50N	142.52E	16–22	4.7b,4.3W			
JMA	XII	23 20 25 45.9–.10	36.49N	142.44E	48	4.0,4.3W			
ISCJB	XII	23 20 25 45.8–1.5	36.51N–.03	142.41E–.05	26–10	4.3b,4.3W			
MOS	XII	23 20 25 46.2–.90	36.58N	142.55E	33	4.6b,4.3W			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s347.00000°,δ77.00000°,λ68.00000°. NP2:ϕ_s227.00000°,δ25.00000°,λ148.00000°. $M_0$3.05000×10^{15}
IDC Error ellipse: s-maj=23.1km s-min=17.7km az=100.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.0km az=124.0. Moment Tensor Solution. $M_0$3.10000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.2km az=17.1.
MOS Error ellipse: s-maj=12.2km s-min=9.5km az=36.6.

ISC	**XII**	**23 20 49 45.1–.93**	**36.49N–.03**	**142.38E–.08**	**35**	**3.7b**	**32**	**1-60**	
JMA	XII	23 20 49 43.2–.20	36.48N	142.43E	59	3.1			¶12078720
ISCJB	XII	23 20 49 44.0–.93	36.50N–.03	142.38E–.08	33	3.7b			
IDC	XII	23 20 49 46.0–2.4	37.01N	141.97E	0	3.6b,3.6			

JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISCJB Error ellipse: s-maj=9.3km s-min=4.1km az=13.3.
IDC Error ellipse: s-maj=66.3km s-min=26.2km az=59.0.

ISC	**XII**	**23 20 57 20.8–.86**	**36.47N–.02**	**142.35E–.02**	**7–5**	**5.4s,5.1b**	**759**	**1-151**	
NIED	XII	23 20 57 00	36.50N	142.50E	11	5.3W,5.1b			¶13403800
DJA	XII	23 20 57 14	37.67N	144.88E	20	5.3b,5.1b			
ISCJB	XII	23 20 57 18.9–.70	36.47N–.02	142.36E–.02	5–4	5.4s,5.1b			
IDC	XII	23 20 57 19.2–.40	36.44N	142.44E	0	5.0,5.0s			
BJI	XII	23 20 57 20.0	36.52N	142.12E	11	5.6s,5.5b			
NEIC	XII	23 20 57 20.2–2.1	36.46N	142.40E	8–12	5.3W,5.2b			
JMA	XII	23 20 57 20.3–.20	36.48N	142.49E	39	5.5,5.2b			
MOS	XII	23 20 57 22.5–1.1	36.37N	142.35E	33	5.3s,5.3b			
GCMT	XII	23 20 57 26.3–.20	36.44N	142.52E	17–0	5.4W,5.3b			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ61.00000°,λ91.00000°. NP2:ϕ_s204.00000°,δ29.00000°,λ87.00000°. $M_0$1.08000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.3km az=172.9.
IDC Error ellipse: s-maj=12.0km s-min=10.4km az=107.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.2km az=129.0. Recorded [2 JMA] in Fukushima and [1 JMA] in Miyagi. Moment Tensor Solution. $M_0$1.10000×10^{17}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=4.4km az=118.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c108; s99,c204; Moment tensor: Scale 10^{17}Nm; M_{rr}0.96±.03 $M_{\theta\theta}$-0.20±.02; $M_{\phi\phi}$-0.76±.02; $M_{r\theta}$0.52±.05; $M_{\theta\phi}$-0.45±.01; $M_{\phi r}$1.24±.07; Best double couple: NP1:ϕ_s215.00000°,δ18.00000°,λ100.00000°. NP2:ϕ_s24.00000°,δ72.00000°,λ87.00000°. Principal axes: T 1.6400,Plg63.0000° ,Azm289.0000°; N 0.0500,Plg3.0000°,Azm25.0000°; P -1.6900,Plg27.0000°,Azm117.0000° $M_0$1.70000×10^{17}

ISC	**XII**	**23 21 19 32.3–1.9**	**36.51N–.04**	**142.35E–.09**	**10–15**	**3.5b**	**30**	**1-57**	
IDC	XII	23 21 19 30.3–2.0	36.49N	142.60E	0	3.6b,3.6			¶12078727
ISCJB	XII	23 21 19 31.8–1.8	36.50N–.04	142.43E–.07	20–17	3.5b,3.6			
JMA	XII	23 21 19 32.1–.20	36.52N	142.43E	25	3.2,3.6			

IDC Error ellipse: s-maj=49.7km s-min=26.1km az=74.0.
ISCJB Error ellipse: s-maj=9.9km s-min=5.8km az=19.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**24 01 24 17.6–1.1**	**36.60N–.04**	**142.52E–.09**	**10**	**3.4b**	**29**	**1-60**	
ISCJB	XII	24 01 24 17.0–1.1	36.58N–.04	142.50E–.09	10	3.4b			¶12078754
JMA	XII	24 01 24 17.3–.30	36.55N	142.43E	9	3.1			
IDC	XII	24 01 24 21.2–2.4	37.23N	142.28E	0	3.6,3.4b			
NEIC	XII	24 01 24 28.3–1.6	37.04N	141.78E	35	3.1,3.4b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.8km az=177.7.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=53.1km s-min=30.1km az=40.0.
NEIC Event type se. Error ellipse: s-maj=33.9km s-min=18.1km az=208.0.

ISC	**XII**	**24 11 07 19.7–1.7**	**36.52N–.04**	**142.53E–.07**	**14–13**	**3.5b**	**38**	**2-57**	
IDC	XII	24 11 07 17.1–1.3	36.40N	142.68E	0	3.7,3.6b			¶12078805
ISCJB	XII	24 11 07 18.5–1.7	36.51N–.04	142.60E–.06	20–15	3.5b,3.6b			
NEIC	XII	24 11 07 20.2	36.49N	142.54E	73	3.2,3.6b			
JMA	XII	24 11 07 20.1–.30	36.48N	142.54E	73	3.2,3.6b			

ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=25.6km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.4km az=24.4.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.

ISC	**XII**	**24 14 47 47.5–1.1**	**36.59N–.05**	**142.47E–.08**	**35**	**3.3b**	**24**	**1-57**	
JMA	XII	24 14 47 45.4–.10	36.60N	142.45E	33	3.0			¶12078824
ISCJB	XII	24 14 47 46.6–1.0	36.59N–.05	142.44E–.08	33	3.3b			
IDC	XII	24 14 47 50.7–2.5	37.04N	141.74E	0	3.4,3.3			

JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISCJB Error ellipse: s-maj=10.2km s-min=5.9km az=31.6.
IDC Error ellipse: s-maj=64.2km s-min=29.5km az=63.0.

ISC	**XII**	**24 15 38 20.9–2.0**	**36.62N–.04**	**142.42E–.08**	**27–19**	**3.4b**	**29**	**1-57**	
IDC	XII	24 15 38 16.6–2.1	36.47N	142.60E	0	3.5,3.4b			¶15519895
ISCJB	XII	24 15 38 20.1–1.0	36.61N–.04	142.48E–.07	39–15	3.4b,3.4b			
JMA	XII	24 15 38 20.3–.20	36.60N	142.42E	65	2.8,3.4b			

IDC Error ellipse: s-maj=47.5km s-min=26.4km az=83.0.
ISCJB Error ellipse: s-maj=9.8km s-min=5.9km az=15.2.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**25 09 08 16.0–2.0**	**36.51N–.06**	**142.48E–.07**	**11–15**	**3.6b**	**37**	**1-57**	
IDC	XII	25 09 08 13.9–1.3	36.38N	142.61E	0	3.6,3.5			¶12078910
NEIC	XII	25 09 08 14.4	36.44N	142.68E	41	3.4,3.5			
JMA	XII	25 09 08 14.4–.30	36.44N	142.68E	41	3.4,3.5			

ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=23.4km az=94.0.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**25 09 27 16.0–2.1**	**36.58N–.04**	**142.34E–.07**	**16–14**	**3.6b**	**38**	**1-90**	
NEIC	XII	25 09 27 14.9	36.57N	142.41E	24	3.8			¶12078912
JMA	XII	25 09 27 14.9–.20	36.57N	142.41E	24	3.8			
ISCJB	XII	25 09 27 15.9–2.0	36.58N–.04	142.36E–.08	28–16	3.6b			
IDC	XII	25 09 27 17.1–.94	37.28N	142.35E	0	3.8,3.7			

ISC Event type se.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.3km az=19.9.
IDC Error ellipse: s-maj=27.7km s-min=22.3km az=97.0.

ISC	**XII**	**25 10 43 10.8–.83**	**36.46N–.02**	**142.42E–.02**	**9–5**	**5.1b,5.0s**	**992**	**1-160**	
NIED	XII	25 10 43 00	36.50N	142.50E	5	5.3W,5.0s			¶13403941
SZGRF	XII	25 10 43 04.8	34.52N	141.39E	33	5.4b,5.0s			
BJI	XII	25 10 43 06.0	36.52N	142.88E	10	5.3s,5.2b			
IDC	XII	25 10 43 09.0–.52	36.38N	142.47E	0	4.9,4.9			
ISCJB	XII	25 10 43 09.2–.73	36.45N–.02	142.43E–.02	8–4	5.1b,5.0s			
JMA	XII	25 10 43 11.5–.20	36.48N	142.46E	69	5.4,5.0s			
NEIC	XII	25 10 43 12.8–1.5	36.40N	142.36E	22–10	5.3W,5.2b			
DJA	XII	25 10 43 13	36.81N	143.15E	36	5.3b,5.2b			
MOS	XII	25 10 43 15.2–.85	36.87N	142.25E	33	5.5b,5.3s			
GCMT	XII	25 10 43 16.0–.10	36.47N	142.54E	12	5.3W,5.3s			

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s44.00000°,δ47.00000°,λ87.00000°. NP2:ϕ_s228.00000°,δ43.00000°,λ93.00000°. $M_0$1.04000×10^{17}
SZGRF Off east coast of Honshu, Japan.
IDC Error ellipse: s-maj=14.7km s-min=13.3km az=159.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.0km az=171.5.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=154.0. Felt at Ayase. Recorded [1 JMA] in Fukushima and Miyagi. Moment Tensor Solution. $M_0$1.00000×10^{17}
MOS Error ellipse: s-maj=6.6km s-min=4.0km az=107.4.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves from 110 sta. Moment Tensor Solution. s59,c97; s99,c210; Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.01 $M_{\theta\theta}$-0.50±.01; $M_{\phi\phi}$-0.75±.02; $M_{r\theta}$0.28±.04; $M_{\theta\phi}$-0.44±.01; $M_{\phi r}$0.61±.04; Best double couple: NP1: ϕ_s221.00000°,δ30.00000°,λ98.00000°. NP2:ϕ_s32.00000°,δ60.00000°,λ85.00000°. Principal axes: T 1.4200,Plg75.0000°,Azm288.0000°; N -0.1800,Plg4.0000°,Azm34.0000° ; P -1.2500,Plg15.0000°,Azm125.0000° $M_0$1.30000×10^{17}

ISC	**XII**	**25 13 15 36.3–.70**	**36.46N–.04**	**142.46E–.06**	**35**	**3.3b**	**42**	**1-60**	
IDC	XII	25 13 15 31.1–1.6	36.41N	142.71E	0	3.4L,3.4			¶12078936
NEIC	XII	25 13 15 32.4	36.50N	142.47E	11	3.3,3.4			
JMA	XII	25 13 15 32.3–.20	36.50N	142.47E	11	3.3,3.4			
ISCJB	XII	25 13 15 34.0–.70	36.43N–.04	142.52E–.05	33	3.3b,3.4			

ISC Event type se.
NEIC Event type se. After JMA.
ISCJB Event type se.

ISC	**XII**	**25 13 30 44.3–1.8**	**36.47N–.04**	**142.36E–.05**	**18–12**	**3.8b**	**62**	**1-146**	
NIED	XII	25 13 30 00	36.50N	142.40E	5	3.9W			¶11751834
IDC	XII	25 13 30 41.2–.70	36.34N	142.52E	0	4.0,3.9			
NEIC	XII	25 13 30 41.6–4.8	36.28N	142.56E	4–30	3.7,3.9			
ISCJB	XII	25 13 30 43.2–1.8	36.46N–.04	142.42E–.05	23–13	3.8b,3.9			
JMA	XII	25 13 30 43.8–.20	36.47N	142.42E	39	3.7,3.9			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s242.00000°,δ73.00000°,λ138.00000°. NP2:ϕ_s347.00000°,δ50.00000°,λ22.00000°. $M_0$8.20000×10^{14}
IDC Error ellipse: s-maj=17.8km s-min=16.2km az=105.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.4km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=6.2km az=159.1.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

ISC	**XII**	**25 19 42 43.1–1.4**	**36.47N–.03**	**142.32E–.04**	**19–9**	**4.2b,3.3s**	**123**	**1-118**	
NIED	XII	25 19 42 00	36.50N	142.40E	11	4.5W,3.3s			¶11751837
IDC	XII	25 19 42 39.9–.80	36.34N	142.45E	0	4.1,4.0			
NEIC	XII	25 19 42 39.8–3.2	36.39N	142.47E	1–19	4.7b,4.4W			
ISCJB	XII	25 19 42 41.3–1.3	36.46N–.03	142.38E–.04	21–9	4.2b,3.3s			
JMA	XII	25 19 42 41.9–.10	36.46N	142.39E	30	4.3,3.3s			
MOS	XII	25 19 42 42.8–1.2	36.48N	142.43E	33	4.7b,3.3s			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s346.00000°,δ77.00000°,λ65.00000°. NP2:ϕ_s231.00000°,δ28.00000°,λ152.00000°. $M_0$5.65000×10^{15}
IDC Error ellipse: s-maj=21.3km s-min=16.5km az=161.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.6km az=136.0. Moment Tensor Solution. $M_0$5.70000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.0km az=29.3.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=11.4km s-min=8.0km az=118.0.

ISC	**XII**	**26 16 38 14.1–1.1**	**36.43N–.04**	**142.26E–.08**	**10**	**3.4b**	**31**	**1-60**	
ISCJB	XII	26 16 38 13.1–1.1	36.43N–.04	142.27E–.08	10	3.4b			¶12079070
JMA	XII	26 16 38 14.1–.30	36.41N	142.15E	10	2.8			
IDC	XII	26 16 38 17.3–2.4	37.26N	141.88E	0	3.5b,3.4			
NEIC	XII	26 16 38 23.2–1.4	37.19N	141.68E	35	3.5b,3.4			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.2km az=9.2.
JMA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=61.8km s-min=29.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=20.7km az=105.0.

ISC	**XII**	**28 07 09 02.9–1.9**	**36.61N–.04**	**142.42E–.08**	**18–14**	**3.7b**	**41**	**1-60**	
IDC	XII	28 07 08 59.5–1.7	36.61N	142.64E	0	3.8b,3.8			¶11751854
NIED	XII	28 07 09 00	36.60N	142.40E	17	3.9W,3.8			
NEIC	XII	28 07 09 01.6	36.62N	142.43E	20	3.7,3.8			
JMA	XII	28 07 09 01.5–.20	36.62N	142.43E	20	3.7,3.8			
ISCJB	XII	28 07 09 02.3–1.8	36.61N–.04	142.46E–.07	28–15	3.7b,3.8			

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ73.00000°,λ-112.00000°. NP2:ϕ_s186.00000°,δ28.00000°,λ-39.00000°. $M_0$7.81000×10^{14}
NEIC Event type se. After JMA.
ISCJB Event type se.

ISC	**XII**	**28 08 27 30.8–2.0**	**36.52N–.04**	**142.57E–.07**	**17–14**	**3.9b**	**41**	**2-68**	
IDC	XII	28 08 27 27.7–1.4	36.39N	142.79E	0	3.9b,3.9			¶12079254
ISCJB	XII	28 08 27 29.6–1.9	36.51N–.04	142.64E–.07	24–15	3.9b,3.9			
NEIC	XII	28 08 27 29.1–.85	36.41N	142.75E	10	4.2b,3.9			
JMA	XII	28 08 27 31.1–.20	36.54N	142.46E	89	3.3,3.9			

ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=18.1km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.6km az=17.7.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=12.7km az=67.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.

(230) Near south coast of eastern Honshu.

ISC	**VII**	**06 07 30 24.1–.47**	**35.60N–.03**	**139.54E–.06**	**73–4**	**3.6b**	**34**	**0-59**	
IDC	VII	06 07 30 20.0–1.0	35.02N	137.90E	0	3.8L,3.8			¶11810774
ISCJB	VII	06 07 30 23.0–.47	35.60N–.03	139.55E–.06	80–4	3.6b,3.8			
JMA	VII	06 07 30 24.5–.10	35.63N	139.51E	70–1	3.1,3.8			
NEIC	VII	06 07 30 24.6	35.63N	139.51E	70	3.1,3.8			

ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=11.8km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.8km az=165.1.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s268.00000°,δ20.00000°,λ90.00000°. NP2: ϕ_s88.00000°,δ70.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm358.0000° ; N Plg0.0000°,Azm88.0000°; P Plg25.0000°,Azm178.0000°
NEIC Event type se. After JMA.

ISC	**VII**	**07 16 34 36.3–.53**	**34.46N–.08**	**137.83E–.06**	**285–5**	**2.8b**	**38**	**0-58**	
ISCJB	VII	07 16 34 35.3–.54	34.46N–.08	137.83E–.06	292–5	2.8b			¶12698067
JMA	VII	07 16 34 35.1–.30	34.45N	137.83E	296–3	2.8			
IDC	VII	07 16 34 36.2–1.1	34.42N	137.83E	286–22	2.8,2.7b			

ISCJB Error ellipse: s-maj=12.9km s-min=8.1km az=8.5.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=63.2km s-min=16.9km az=57.0.

ISC VII 11 13 21 49.8–1.5 33.30N–.04 137.10E–.03 20–10 3.6b 43 1-95
NIED VII 11 13 21 00 33.20N 137.10E 11 3.8W **¶11746974**
NEIC VII 11 13 21 49.4 33.23N 137.14E 40 4.0b
JMA VII 11 13 21 49.3–.10 33.23N 137.14E 40–2 4.0
IDC VII 11 13 21 52.2–.83 33.27N 137.35E 38–7 3.6,3.5L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s85.00000°,δ63.00000°,λ90.00000°. NP2:ϕ_s265.00000°,δ27.00000°,λ90.00000°. $M_0$5.94000×10^{14}
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=20.0km s-min=15.4km az=68.0.
ISC VII 12 23 17 34.9–.44 33.86N–.06 137.03E–.06 352–3 3.2b 53 1-82
ISCJB VII 12 23 17 33.8–.44 33.83N–.06 137.07E–.06 358–3 3.2b **¶11811411**
IDC VII 12 23 17 34.0–.95 33.81N 137.04E 345–10 3.3,3.2
JMA VII 12 23 17 34.1–.30 33.90N 137.04E 361–3 2.9,3.2
NEIC VII 12 23 17 34.1–.99 33.75N 137.08E 346–10 3.7b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.7km az=155.9.
IDC Error ellipse: s-maj=20.7km s-min=13.8km az=81.0.
JMA Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=13.8km az=125.0.
ISC VII 17 19 05 00.8–.48 35.75N–.05 139.26E–.07 150–3 3.5b 33 0-59
ISCJB VII 17 19 04 59.6–.48 35.74N–.05 139.25E–.07 154–3 3.5b **¶11747048**
NIED VII 17 19 05 00 35.70N 139.30E 200 3.6W
IDC VII 17 19 05 00.0–1.2 35.75N 139.36E 146–6 3.3,3.2
JMA VII 17 19 05 01.7–.10 35.72N 139.25E 144–1 3.5,3.2
NEIC VII 17 19 05 01.6–1.9 35.51N 138.73E 143–30 3.9b,3.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=6.5km az=143.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s30.00000°,δ86.00000°,λ96.00000°. NP2:ϕ_s153.00000°,δ7.00000°,λ33.00000°. $M_0$3.04000×10^{14}
IDC Error ellipse: s-maj=33.7km s-min=7.3km az=67.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=193.4km s-min=14.4km az=63.0.
ISC VII 19 02 11 11.4–.79 33.7N–.10 137.41E–.09 343–8 2.8b 22 1-53
JMA VII 19 02 11 09.1–.50 33.62N 137.37E 367–5 2.8 **¶12698300**
ISCJB VII 19 02 11 10.3–.80 33.7N–.10 137.41E–.09 352–8 2.8b
IDC VII 19 02 11 10.5–1.9 33.47N 137.31E 322–32 2.7,2.6b
JMA Error ellipse: s-maj=4.4km s-min=1.9km az=-1.0.
ISCJB Error ellipse: s-maj=20.6km s-min=10.2km az=161.7.
IDC Error ellipse: s-maj=60.9km s-min=23.9km az=55.0.
ISC VIII 05 09 57 57.4–.27 34.79N–.04 137.67E–.05 281–2 4.2b 79 0-78
ISCJB VIII 05 09 57 56.5–.27 34.79N–.04 137.67E–.05 287–2 4.2b **¶11907785**
NEIC VIII 05 09 57 57.5–.45 34.78N 137.88E 287–5 4.5b
IDC VIII 05 09 57 57.5–.49 34.80N 137.82E 285–7 3.9b,3.9
JMA VIII 05 09 57 57.1–.20 34.78N 137.70E 285–2 3.6,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=6.0km az=179.1.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.4km az=76.0.
IDC Error ellipse: s-maj=23.3km s-min=7.7km az=67.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC VIII 08 03 57 09.7–.38 35.60N–.02 139.43E–.03 32–2 4.4b,4.0s 359 0-153
NIED VIII 08 03 57 00 35.70N 139.50E 38 4.6W,4.0s **¶13391112**
MOS VIII 08 03 57 07.7–1.1 35.67N 139.52E 33 4.6b,4.0s
IDC VIII 08 03 57 07.5–.59 35.55N 139.48E 26–3 4.3,4.3L
ISCJB VIII 08 03 57 09.2–.30 35.62N–.02 139.44E–.03 40–2 4.4b,4.0s
JMA VIII 08 03 57 09.1–.10 35.63N 139.54E 30–1 4.6,4.0s
BJI VIII 08 03 57 14.1 36.05N 139.51E 78 4.8b,4.7b
NEIC VIII 08 03 57 15.1–1.1 36.02N 139.35E 68–6 4.4b,4.7b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s70.00000°,δ85.00000°,λ83.00000°. NP2:ϕ_s302.00000°,δ8.00000°,λ142.00000°. $M_0$9.46000×10^{15}
MOS Error ellipse: s-maj=9.9km s-min=5.9km az=107.8.
IDC Error ellipse: s-maj=14.0km s-min=9.8km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=4.0km az=10.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s270.00000°,δ22.00000°,λ94.00000°. NP2: ϕ_s86.00000°,δ68.00000°,λ88.00000°. Principal axes: T Plg67.0000°,Azm353.0000° ; N Plg1.0000°,Azm86.0000°; P Plg23.0000°,Azm177.0000°
NEIC Event type fe. Error ellipse: s-maj=15.6km s-min=4.5km az=176.0. Felt at Tokyo. Recorded [4 JMA] in Kanagawa and Tokyo; [3 JMA] in Saitama; [2 JMA] in Chiba, Gumma, Ibaraki, Nagano, Shizuoka, Tochigi and Yamanashi.
JMA VIII 22 00 25 44.3–.20 35.11N 139.99E 24–2 1.3 ¶15075904
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 22 00 25 50.6–.35 34.99N–.03 139.95E–.03 33–2 3.9b 51 0-59
NEIC VIII 22 00 25 47.2–4.1 34.90N 139.96E 8–26 4.3b **¶11908561**
ISCJB VIII 22 00 25 49.9–.33 35.00N–.04 139.96E–.04 43–3 3.9b
JMA VIII 22 00 25 50.9–.20 35.09N 139.98E 27–2 3.2
IDC VIII 22 00 25 51.5–3.2 34.96N 139.96E 35–27 3.6,3.5L
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.7km az=92.0.
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.3km az=29.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=34.8km s-min=15.7km az=82.0.
ISC VIII 24 21 56 16.9–.44 34.29N–.03 139.19E–.04 11–3 3.8b 40 0-93
IDC VIII 24 21 56 15.4–.96 34.19N 139.19E 0 3.9,3.6b **¶11207963**
ISCJB VIII 24 21 56 16.5–.42 34.26N–.03 139.20E–.04 21–3 3.8b,3.6b
JMA VIII 24 21 56 16.8 34.32N 139.17E 8–1 3.0,3.6b
NEIC VIII 24 21 56 20.0–.57 34.23N 139.17E 35 4.1b,3.6b
ISC Event type fe.
IDC Error ellipse: s-maj=34.7km s-min=16.2km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=5.0km az=150.6.
JMA Event type fe.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.5km az=100.0.
ISC VIII 27 04 58 35.4–.70 34.6N–.10 137.23E–.08 337–8 3.1b 29 0-58
IDC VIII 27 04 58 28.4–5.2 32.99N 136.75E 149–82 3.5,3.4 **¶12581452**
ISCJB VIII 27 04 58 34.2–.71 34.6N–.10 137.24E–.08 347–8 3.1b,3.4
JMA VIII 27 04 58 34.4–.30 34.56N 137.23E 348–3 3.1,3.4
IDC Error ellipse: s-maj=72.4km s-min=33.8km az=162.0.
ISCJB Error ellipse: s-maj=17.4km s-min=9.7km az=172.3.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC VIII 31 15 45 56.2–.34 34.60N–.05 137.39E–.05 309–2 3.6b 62 0-69
BJI VIII 31 15 45 49.8 34.44N 137.96E 308 4.5b,4.3b **¶11653158**
ISCJB VIII 31 15 45 55.1–.34 34.59N–.05 137.40E–.05 316–2 3.6b,4.3b
IDC VIII 31 15 45 55.9–.74 34.51N 137.36E 305–8 3.5,3.4b
NEIC VIII 31 15 45 55.8–.69 34.57N 137.43E 308–6 3.9b,3.4b
JMA VIII 31 15 45 55.8–.20 34.63N 137.36E 316–2 3.1,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.2km az=149.4.
IDC Error ellipse: s-maj=18.3km s-min=9.7km az=71.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=10.2km az=119.0.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC IX 02 05 45 31.1–.55 35.00N–.05 137.51E–.04 38–11 18 0-2
ISCJB IX 02 05 45 30.8–.61 35.00N–.04 137.51E–.04 40–12 **¶14095761**
JMA IX 02 05 45 30.8 35.06N 137.51E 42 2.7
ISCJB Error ellipse: s-maj=7.9km s-min=5.1km az=157.8.
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s119.00000° ,δ52.00000°,λ-146.00000°. NP2:ϕ_s6.00000°,δ64.00000°,λ-43.00000°. Principal axes: T Plg7.0000°,Azm65.0000°; N Plg41.0000°,Azm161.0000°; P Plg48.0000°,Azm327.0000°
ISC IX 06 12 43 02.2–.73 35.46N–.05 139.4E–.10 128–5 3.4b 23 0-59
IDC IX 06 12 42 53.9–1.2 34.68N 137.45E 0 3.6,3.5b **¶11909604**
JMA IX 06 12 43 03.1–.20 35.47N 139.32E 121–2 2.9,3.5b
IDC Error ellipse: s-maj=29.1km s-min=18.7km az=54.0.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
ISC IX 10 10 03 18.7–.47 34.93N–.03 137.48E–.04 32–4 3.2b 30 0-43
NIED IX 10 10 03 00 35.00N 137.50E 38 3.8W **¶11747674**
IDC IX 10 10 03 13.9–1.8 34.88N 137.30E 0 3.7L,3.6
ISCJB IX 10 10 03 18.2–.40 34.92N–.03 137.48E–.03 41–7 3.2b,3.6
JMA IX 10 10 03 18.3 34.99N 137.48E 38 3.7,3.6
NEIC IX 10 10 03 18.3 34.99N 137.48E 38 3.7,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s86.00000°,δ88.00000°,λ-152.00000°. NP2:ϕ_s355.00000°,δ62.00000°,λ-3.00000°. $M_0$5.27000×10^{14}
IDC Error ellipse: s-maj=38.9km s-min=26.0km az=30.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.3km az=151.6.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s352.00000°,δ60.00000°,λ2.00000°. NP2:ϕ_s261.00000°,δ88.00000°,λ150.00000°. Principal axes: T Plg22.0000°,Azm212.0000°; N Plg60.0000°,Azm77.0000°; P Plg19.0000° ,Azm310.0000°
NEIC Event type se. After JMA.
ISC IX 19 05 37 01.8–.69 34.42N–.10 137.41E–.07 326–6 2.9b 32 0-54
ISCJB IX 19 05 37 00.8–.70 34.42N–.10 137.41E–.07 333–6 2.9b **¶11910606**
IDC IX 19 05 37 00.7–2.8 34.24N 137.17E 305–73 2.9,2.8b
JMA IX 19 05 37 00.3–.30 34.35N 137.38E 338–3 3.1,2.8b
ISCJB Error ellipse: s-maj=15.5km s-min=8.7km az=173.3.
IDC Error ellipse: s-maj=150.2km s-min=25.4km az=60.0.
JMA Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
ISC IX 20 22 17 12.9–.23 35.53N–.02 139.91E–.02 70–2 4.8b 862 0-159
NIED IX 20 22 17 00 35.60N 140.20E 83 4.8W **¶11282347**
BJI IX 20 22 17 07.2 35.48N 140.56E 70 4.8b,4.8b
MOS IX 20 22 17 09.4–.75 35.92N 139.95E 42 5.2b,4.8b
JMA IX 20 22 17 11.3–.20 35.62N 140.06E 71–2 4.8,4.8b
NEIC IX 20 22 17 11.3 35.62N 140.06E 71 5.0b,4.7W
IDC IX 20 22 17 11.8–.97 35.51N 140.05E 66–8 4.7,4.6
SZGRF IX 20 22 17 11.3 35.86N 141.02E 51 4.9b,4.6
ISCJB IX 20 22 17 11.9–.23 35.53N–.02 139.90E–.02 75–2 4.8b,4.6
DJA IX 20 22 17 38 35.08N 138.99E 273 4.7b,4.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s121.00000°,δ83.00000°,λ-83.00000°. NP2:ϕ_s256.00000°,δ10.00000°,λ-135.00000°. $M_0$1.64000×10^{16}
MOS Error ellipse: s-maj=7.5km s-min=4.5km az=100.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s188.00000°,δ11.00000°,λ175.00000°. NP2: ϕ_s284.00000°,δ89.00000°,λ79.00000°. Principal axes: T Plg45.0000°,Azm183.0000° ; N Plg11.0000°,Azm284.0000°; P Plg43.0000°,Azm24.0000°
NEIC Event type fe. Felt [III] at Yokosuka. Also felt at Ayase, Hayama, Tokyo, Yokohama and Zushi. Recorded [3 JMA] in Chiba, Kanagawa, Saitama, Tokyo and Yamanashi; [2 JMA] in Gumma, Ibaraki, Shizuoka and Tochigi; [1 JMA] in Fukushima, Miyagi, Nagano and Niigata. Also recorded [2 JMA] on O-shima and [1 JMA] on Nii-jima and To-shima. After JMA. Moment Tensor Solution. $M_0$1.60000×10^{16}
IDC Error ellipse: s-maj=12.3km s-min=5.6km az=66.0.
SZGRF Near east coast of eastern Honshu, Japan.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=176.7.
ISC IX 26 12 55 23.7–.48 34.93N–.07 137.21E–.07 304–4 3.4b 37 0-94
ISCJB IX 26 12 55 22.8–.49 34.94N–.07 137.20E–.07 309–4 3.4b **¶11911087**
JMA IX 26 12 55 22.9–.10 34.96N 137.17E 312–2 3.2
NEIC IX 26 12 55 22.9 34.96N 137.17E 312 3.2
IDC IX 26 12 55 23.0–.82 34.84N 137.13E 296–13 3.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=8.6km az=168.5.
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=30.6km s-min=15.8km az=59.0.
ISC IX 26 15 17 17.0–.37 34.02N–.06 137.18E–.09 371–5 3.4b 50 1-124
ISCJB IX 26 15 17 15.9–.37 34.05N–.06 137.22E–.08 380–5 3.4b **¶11911095**
JMA IX 26 15 17 16.2–.30 33.98N 137.08E 374–3 3.4
NEIC IX 26 15 17 16.8–.48 33.94N 137.12E 368–6 3.7b
IDC IX 26 15 17 17.1–.63 34.00N 137.12E 369–11 3.3,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.5km az=147.6.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.8km az=68.0.
IDC Error ellipse: s-maj=25.8km s-min=10.0km az=65.0.
JMA IX 30 16 39 09.2–.30 33.19N 137.25E 47–3 1.3 ¶14106273
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
JMA X 03 19 36 22.2–.10 35.05N 139.88E 51–1 2.5 ¶14107367
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 04 08 51 59.5–.37 34.19N–.06 137.16E–.07 346–3 3.2b 59 0-95
ISCJB X 04 08 51 58.5–.38 34.19N–.06 137.16E–.07 352–3 3.2b **¶12065887**
NEIC X 04 08 51 58.9 34.22N 137.10E 352 3.4b
JMA X 04 08 51 58.9–.20 34.22N 137.10E 353–2 3.1
IDC X 04 08 51 59.2–1.0 34.04N 137.13E 343–12 3.2,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=8.1km az=136.1.
NEIC Event type se. After JMA.
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=18.2km s-min=14.0km az=67.0.
ISC X 04 16 39 44.3–.73 35.60N–.05 139.48E–.08 139–5 3.2b 31 0-69
IDC X 04 16 39 35.4–1.1 34.70N 136.88E 0 3.7,3.6 **¶12065917**
ISCJB X 04 16 39 43.1–.73 35.60N–.05 139.47E–.09 143–5 3.2b,3.6
JMA X 04 16 39 45.7–.10 35.63N 139.52E 128–2 2.9,3.6
IDC Error ellipse: s-maj=36.0km s-min=21.2km az=82.0.
ISCJB Error ellipse: s-maj=12.4km s-min=6.8km az=151.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 05 07 34 57.1–.62 34.49N–.09 137.13E–.09 353–6 3.4b 30 0-69
ISCJB X 05 07 34 55.9–.63 34.47N–.09 137.10E–.09 360–7 3.4b **¶12065975**
JMA X 05 07 34 55.6–.40 34.36N 136.99E 359–4 2.5
IDC X 05 07 34 56.1–3.2 34.36N 136.71E 337–56 3.3,3.1b
ISCJB Error ellipse: s-maj=14.6km s-min=11.5km az=165.0.
JMA Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=167.0km s-min=23.1km az=79.0.
ISC X 17 01 59 40.6–.69 34.89N–.10 137.3E–.20 304–6 3.2b 15 0-69
ISCJB X 17 01 59 39.6–.70 34.90N–.10 137.3E–.20 310–6 3.2b **¶12068852**
JMA X 17 01 59 40.2–.20 34.88N 137.28E 307–2 2.7
IDC X 17 01 59 40.3–1.3 34.87N 137.28E 302–28 3.2,3.0b
ISCJB Error ellipse: s-maj=30.1km s-min=15.4km az=9.7.
JMA Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=85.7km s-min=18.6km az=72.0.
ISC X 27 00 51 25.9–.25 34.36N–.04 137.39E–.05 332–2 3.7b 115 0-83
ISCJB X 27 00 51 24.9–.26 34.36N–.04 137.38E–.05 339–2 3.7b **¶12071209**
IDC X 27 00 51 25.4–.81 34.32N 137.41E 327–10 3.6,3.5b
NEIC X 27 00 51 25.6–.56 34.27N 137.13E 324–7 3.9b,3.5b
JMA X 27 00 51 25.2–.10 34.37N 137.38E 340–2 3.4,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=6.3km az=169.6.
IDC Error ellipse: s-maj=25.4km s-min=10.5km az=69.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.9km az=66.0.
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
ISC X 31 20 33 02.1–.64 34.65N–.04 139.58E–.07 122–5 3.5b 28 0-58
IDC X 31 20 32 53.8–1.8 33.83N 137.42E 0 3.6,3.6 **¶12071770**
ISCJB X 31 20 33 00.9–.64 34.64N–.04 139.57E–.07 128–5 3.5b,3.6
JMA X 31 20 33 02.2–.10 34.66N 139.59E 115–1 2.7,3.6
IDC Error ellipse: s-maj=39.8km s-min=27.7km az=100.0.
ISCJB Error ellipse: s-maj=9.6km s-min=5.5km az=159.7.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC XI 01 17 56 04.5–.62 34.57N–.04 139.78E–.06 100–5 3.4b 26 0-58
ISCJB XI 01 17 56 03.4–.65 34.57N–.04 139.79E–.06 106–5 3.4b **¶12071882**
JMA XI 01 17 56 04.6–.10 34.62N 139.82E 92–2 2.8
IDC XI 01 17 56 05.5–2.4 34.19N 138.61E 86–44 3.3,3.1
ISCJB Error ellipse: s-maj=9.0km s-min=5.4km az=149.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=102.9km s-min=6.5km az=68.0.
ISC XI 11 05 00 05.4–.51 35.17N–.05 139.44E–.08 119–3 3.6b 29 0-75
ISCJB XI 11 05 00 04.4–.51 35.17N–.05 139.43E–.08 124–3 3.6b **¶12073139**
JMA XI 11 05 00 05.5–.20 35.20N 139.46E 115–2 3.4
IDC XI 11 05 00 05.2–2.0 35.17N 139.51E 119–10 3.4,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=6.1km az=152.7.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

IDC Error ellipse: s-maj=67.0km s-min=6.9km az=69.0.
ISC XI 11 18 56 49.7–.69 34.4N–.10 137.5E–.10 362–9 2.7b 21 1-58
ISCJB XI 11 18 56 48.5–.69 34.4N–.10 137.5E–.10 367–9 2.7b **¶12073204**
IDC XI 11 18 56 48.7–2.9 34.11N 137.13E 332–87 2.9,2.7b
JMA XI 11 18 56 49.2–.20 34.16N 137.37E 351 3.2,2.7b
ISCJB Error ellipse: s-maj=19.2km s-min=12.9km az=22.4.
IDC Error ellipse: s-maj=185.5km s-min=24.9km az=60.0.
JMA Error ellipse: s-maj=5.6km s-min=2.8km az=-1.0.
ISC XI 12 17 36 24.0–.52 35.50N–.05 139.49E–.08 146–3 3.5b 40 0-59
IDC XI 12 17 36 21.9–1.8 35.53N 139.82E 134–13 3.3b,3.3 **¶12073323**
ISCJB XI 12 17 36 22.8–.52 35.49N–.05 139.48E–.08 149–3 3.5b,3.3
JMA XI 12 17 36 24.3–.10 35.47N 139.51E 140–1 2.9,3.3
NEIC XI 12 17 36 24.6–2.2 34.99N 138.41E 119–72 4.4b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=17.9km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=7.2km az=146.6.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=231.5km s-min=16.3km az=64.0.
ISC XI 15 16 56 17.7–.49 34.66N–.07 137.05E–.08 337–4 3.2b 38 0-69
ISCJB XI 15 16 56 16.7–.49 34.65N–.07 137.05E–.08 343–5 3.2b **¶12073645**
JMA XI 15 16 56 16.7–.40 34.56N 137.05E 343–4 2.7
IDC XI 15 16 56 18.3–.67 34.79N 137.01E 341–13 3.0b,3.0
ISCJB Error ellipse: s-maj=11.6km s-min=9.9km az=161.0.
JMA Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=32.7km s-min=10.5km az=66.0.
ISC XI 19 14 00 43.6–.61 34.3N–.10 137.17E–.10 351–7 2.8b 26 0-58
IDC XI 19 14 00 40.9–6.9 33.73N 136.16E 282–131 2.9,2.7 **¶12074147**
JMA XI 19 14 00 40.5–.50 34.23N 137.08E 379–5 3.4,2.7
ISCJB XI 19 14 00 42.4–.63 34.3N–.10 137.2E–.10 360–7 2.8b,2.7
ISC XI 24 07 01 55.8–.40 33.47N–.06 137.43E–.07 357–3 3.3b 64 0-75
NIED XI 24 07 01 00 33.50N 137.50E 380 3.9W **¶11751121**
ISCJB XI 24 07 01 54.6–.40 33.44N–.06 137.46E–.07 364–3 3.3b
JMA XI 24 07 01 54.4–.10 33.48N 137.49E 372 3.6
NEIC XI 24 07 01 55.0–.62 33.36N 137.39E 352–8 3.6
IDC XI 24 07 01 56.7–.70 33.41N 137.39E 369–10 3.3,3.2b
ISC Event type se.
NIED Moment Tension Solution. Best double couple: NP1:ϕ_s319.00000°,δ57.00000°,λ-87.00000°. NP2:ϕ_s133.00000°,δ34.00000°,λ-95.000000°. $M_0$9.39000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=7.8km az=136.2.
JMA Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=8.8km az=75.0.
IDC Error ellipse: s-maj=23.0km s-min=11.0km az=73.0.
ISC XII 08 21 11 26.9–.72 34.3N–.10 137.38E–.08 330–7 2.5b 31 1-54
JMA XII 08 21 11 23.7–.10 34.14N 137.30E 358 2.3 **¶12076410**
ISCJB XII 08 21 11 26.0–.71 34.33N–.09 137.42E–.08 338–7 2.5b
IDC XII 08 21 11 27.4–1.2 34.43N 137.36E 333–26 2.7,2.5b
JMA Error ellipse: s-maj=3.3km s-min=1.8km az=-1.0.
ISCJB Error ellipse: s-maj=15.7km s-min=9.9km az=159.5.
IDC Error ellipse: s-maj=56.1km s-min=24.4km az=51.0.
JMA XII 14 14 40 50.9 35.55N 139.14E 26–1 3.1
¶15516297
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s38.00000°,δ64.00000°,λ99.00000°. NP2:ϕ_s197.00000°,δ28.00000°,λ72.00000°. Principal axes: T Plg70.0000°,Azm328.0000°; N Plg8.0000°,Azm214.0000°; P Plg18.0000°,Azm121.0000°
ISC XII 19 14 31 59.4–.50 33.63N–.08 137.61E–.08 342–4 3.2b 47 1-76
JMA XII 19 14 31 57.4–.10 33.52N 137.54E 358 3.0 **¶12078218**
ISCJB XII 19 14 31 58.3–.51 33.60N–.08 137.60E–.08 348–4 3.2b
IDC XII 19 14 31 59.0–1.1 33.66N 137.67E 340–13 3.0b,3.0
NEIC XII 19 14 31 59.4–.63 33.62N 137.59E 343–7 3.0,3.0
ISC Event type se.
JMA Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=10.3km az=166.5.
IDC Error ellipse: s-maj=35.6km s-min=14.3km az=70.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=10.0km az=63.0.
JMA XII 22 17 15 02.7–.10 35.16N 139.20E 21–1 2.5
¶15519212
ISC XII 23 19 39 02.9–.82 33.6N–.20 137.0E–.20 400–13 3.2b 20 1-57
JMA XII 23 19 38 59.6–.10 33.44N 136.94E 424 3.0 **¶12078712**
ISCJB XII 23 19 39 01.5–.83 33.6N–.20 137.0E–.20 409–13 3.2b
IDC XII 23 19 39 02.1–2.9 33.37N 137.22E 375–131 3.2,3.1b
JMA Error ellipse: s-maj=5.6km s-min=2.8km az=-1.0.
ISCJB Error ellipse: s-maj=33.7km s-min=15.5km az=149.0.
IDC Error ellipse: s-maj=174.1km s-min=107.1km az=13.0.
ISC XII 23 19 56 29.3–.45 35.72N–.05 139.18E–.06 127–3 3.8b 39 0-59
ISCJB XII 23 19 56 28.1–.45 35.71N–.05 139.18E–.06 133–3 3.6b **¶12078713**
NEIC XII 23 19 56 29.2–1.2 35.70N 139.12E 125–11 4.0b
IDC XII 23 19 56 30.1–1.4 35.59N 138.85E 127–18 3.4,3.2b
JMA XII 23 19 56 30.3–.10 35.66N 139.21E 117–1 3.4,3.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=7.0km az=144.2.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=13.4km az=120.0.
IDC Error ellipse: s-maj=41.5km s-min=23.9km az=113.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
JMA XII 29 10 13 25.7 34.89N 137.99E 18–1 2.6
¶15526025
JMA Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s58.00000°,δ86.00000°,λ136.00000°. NP2:ϕ_s152.00000°,δ46.00000°,λ6.00000°. Principal axes: T Plg33.0000°,Azm5.0000°; N Plg46.0000°,Azm233.0000°; P Plg26.0000°,Azm113.0000°

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(231) South Korea.

ISC VII 23 10 29 56.6–.45 34.50N–.02 128.06E–.02 2–3 73 0-2
JMA VII 23 10 29 55.8–.30 34.51N 128.06E 0 3.5 **¶12698400**
ISCJB VII 23 10 29 56.4–.61 34.50N–.02 128.06E–.02 4–4 3.5
KMA VII 23 10 29 57.0 34.51N 128.05E 3.1L
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISCJB Error ellipse: s-maj=3.4km s-min=2.8km az=175.9.
ISC VII 27 12 48 49.4–.47 34.50N–.02 128.06E–.02 1–4 56 0-2
JMA VII 27 12 48 48.3–.30 34.50N 128.05E 0 2.5 **¶12698459**
ISCJB VII 27 12 48 49.8–.31 34.51N–.02 128.04E–.02 10 2.5
KMA VII 27 12 48 49.1 34.48N 128.04E 2.3L
JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISCJB Error ellipse: s-maj=2.8km s-min=2.2km az=9.2.
ISC IX 08 06 35 05.7–.48 34.57N–.03 128.23E–.04 10 32 0-2
JMA IX 08 06 35 03.0–.30 34.68N 128.15E 11 3.3 **¶14098055**
KMA IX 08 06 35 04.7 34.56N 128.24E 2.8L
ISCJB IX 08 06 35 05.6–.47 34.57N–.03 128.24E–.03 10 2.8L
KMA X 29 00 26 14.3 36.34N 127.24E 3.6L
¶14188511
ISC XII 19 08 53 40.8–.36 36.38N–.02 129.75E–.03 10 65 0-4
JMA XII 19 08 53 39.5–.20 36.37N 129.84E 4 3.4 **¶14133259**
ISCJB XII 19 08 53 40.2–.36 36.40N–.02 129.78E–.03 10 3.4
KMA XII 19 08 53 42.2 36.45N 129.61E 3.4L
JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.
ISCJB Error ellipse: s-maj=3.8km s-min=2.4km az=137.0.

(232) Western Honshu.

ISC VIII 07 19 35 16.1–.37 35.43N–.03 135.86E–.02 9–3 3.4b 34 0-80
NIED VIII 07 19 35 00 35.40N 135.90E 14 3.8W **¶11159939**
ISCJB VIII 07 19 35 15.6–.52 35.42N–.03 135.88E–.03 11–4 3.4b
IDC VIII 07 19 35 15.3–1.1 35.45N 135.87E 0 3.7,3.6L
JMA VIII 07 19 35 16.2 35.42N 135.86E 15–1 4.2,3.6L
NEIC VIII 07 19 35 18.3–6.4 35.67N 135.77E 21–46 4.2,3.6L
ISC Event type fe.
NIED Moment Tension Solution. Best double couple: NP1:ϕ_s202.00000°,δ65.00000°,λ144.00000°. NP2:ϕ_s309.00000°,δ58.00000°,λ31.00000°. $M_0$6.01000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.4km az=158.0.
IDC Error ellipse: s-maj=23.3km s-min=13.9km az=167.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s178.00000°,δ38.00000°,λ148.00000°. NP2:ϕ_s295.00000°,δ71.00000°,λ57.00000°. Principal axes: T Plg52.0000°,Azm166.0000°; N Plg31.0000°,Azm307.0000°; P Plg19.0000°,Azm49.0000°
NEIC Event type fe. Error ellipse: s-maj=24.5km s-min=22.2km az=144.0. Recorded [3 JMA] in Fukui and Shiga and [1 JMA] in Aichi, Gifu, Hyogo, Kyoto, Mie, Nara and Osaka.
JMA VIII 11 06 56 39.8 35.94N 136.35E 7–1 3.3
¶13518250
JMA Event type fe.
ISC VIII 13 12 52 09.6–.65 35.16N–.04 135.69E–.05 10 3.2b 12 0-55
NIED VIII 13 12 52 00 35.10N 135.70E 5 3.4W **¶11164829**
ISCJB VIII 13 12 52 08.2–.68 35.18N–.04 135.75E–.05 10 3.2b
NEIC VIII 13 12 52 09.6 35.15N 135.67E 6 3.1
IDC VIII 13 12 52 09.4–1.5 34.90N 135.91E 0 3.3,3.2b
JMA VIII 13 12 52 09.5 35.15N 135.67E 6–1 3.1,3.2b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ72.00000°,λ121.00000°. NP2:ϕ_s327.00000°,δ35.00000°,λ32.00000°. $M_0$1.21000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.8km az=141.4.
NEIC Event type se. After JMA.
IDC Error ellipse: s-maj=29.5km s-min=16.4km az=136.0.
JMA Event type fe.
JMA VIII 21 08 47 57.7 35.01N 135.47E 14 3.6
NIED VIII 21 08 47 00 35.00N 135.50E 14 3.4W **¶11747467**
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s309.00000°,δ75.00000°,λ-8.00000°. NP2:ϕ_s42.00000°,δ82.00000°,λ-165.00000°. Principal axes: T Plg5.0000°,Azm175.0000°; N Plg73.0000°,Azm68.0000°; P Plg16.0000°,Azm266.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s221.00000°,δ82.00000°,λ151.00000°. NP2:ϕ_s315.00000°,δ61.00000°,λ9.00000°. $M_0$1.36000×10^{14}
ISC VIII 24 22 06 58.7–.71 35.58N–.04 135.10E–.05 11–6 12 0-3
ISCJB VIII 24 22 06 58.3–.69 35.59N–.05 135.12E–.05 12–4 **¶11207964**
JMA VIII 24 22 06 59.1 35.58N 135.10E 9 3.2
NIED VIII 24 22 07 00 35.60N 135.10E 8 3.2W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=6.1km az=168.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s7.00000°,δ25.00000°,λ-21.00000°. NP2:ϕ_s115.00000°,δ81.00000°,λ-114.00000°. Principal axes: T Plg32.0000°,Azm225.0000°; N Plg24.0000°,Azm119.0000°; P Plg48.0000°,Azm0.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s260.00000°,δ76.00000°,λ89.00000°. NP2:ϕ_s83.00000°,δ14.00000°,λ93.00000°. $M_0$7.69000×10^{13}
ISC VIII 30 09 28 30.0–.56 35.38N–.04 135.87E–.03 6–4 3.9b 34 0-95
NIED VIII 30 09 28 00 35.40N 135.90E 38 4.3W **¶13392946**
IDC VIII 30 09 28 28.4–.71 35.28N 135.85E 0 4.0,3.9
ISCJB VIII 30 09 28 29.4–.55 35.38N–.04 135.86E–.03 12–3 3.9b,3.9
NEIC VIII 30 09 28 30.1 35.42N 135.86E 14 4.0b,3.9
JMA VIII 30 09 28 30.1 35.42N 135.86E 15–1 4.2,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ58.00000°,λ139.00000°. NP2:ϕ_s305.00000°,δ56.00000°,λ40.00000°. $M_0$2.66000×10^{15}
IDC Error ellipse: s-maj=17.0km s-min=12.6km az=168.0.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.1km az=2.0.
NEIC Event type fe. Recorded [3 JMA] in Fukui and Shiga; [2 JMA] in Kyoto; [1 JMA] in Aichi, Gifu, Hyogo, Ishikawa, Mie, Nara, Okayama and Osaka. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s315.00000°,δ57.00000°,λ24.00000°. NP2:ϕ_s211.00000°,δ70.00000°,λ145.00000°. Principal axes: T Plg39.0000°,Azm169.0000°; N Plg50.0000°,Azm5.0000°; P Plg8.0000°,Azm265.0000°
JMA VIII 30 09 46 35.8 35.42N 135.86E 14–1 2.8
¶13543612
JMA Event type fe.
JMA VIII 31 04 12 19.8 34.92N 136.87E 14–1 3.1
¶13543891
JMA Event type fe.
ISC VIII 31 05 33 00.6–1.0 35.96N–.04 136.38E–.06 1–7 3.4b 15 0-59
ISCJB VIII 31 05 32 59.7–.88 35.93N–.04 136.34E–.05 9–5 3.4b **¶11747555**
NIED VIII 31 05 33 00 36.00N 136.40E 17 3.5W
IDC VIII 31 05 33 00.5–1.2 35.80N 136.37E 0 3.6,3.4L
JMA VIII 31 05 33 00.6 35.98N 136.38E 7–1 3.8,3.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=6.8km az=141.6.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ88.00000°,λ-176.00000°. NP2:ϕ_s327.00000°,δ86.00000°,λ-2.00000°. $M_0$2.33000×10^{14}
IDC Error ellipse: s-maj=28.3km s-min=13.4km az=154.0.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s320.00000°,δ66.00000°,λ-13.00000°. NP2:ϕ_s56.00000°,δ78.00000°,λ-155.00000°. Principal axes: T Plg8.0000°,Azm186.0000°; N Plg63.0000°,Azm80.0000°; P Plg26.0000°,Azm280.0000°
ISC IX 03 06 40 55.4–.65 35.41N–.04 135.86E–.04 11–9 15 0-2
NIED IX 03 06 40 00 35.40N 135.90E 35 3.7W **¶11747590**
ISCJB IX 03 06 40 55.0–.63 35.42N–.05 135.88E–.04 12–6 3.7W
JMA IX 03 06 40 55.5 35.42N 135.86E 14–1 3.4
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s171.00000°,δ70.00000°,λ126.00000°. NP2:ϕ_s286.00000°,δ40.00000°,λ31.00000°. $M_0$3.62000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=5.5km az=156.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s294.00000°,δ73.00000°,λ10.00000°. NP2:ϕ_s201.00000°,δ80.00000°,λ163.00000°. Principal axes: T Plg19.0000°,Azm156.0000°; N Plg70.0000°,Azm352.0000°; P Plg5.0000°,Azm248.0000°
ISC IX 18 13 29 30.0–.18 34.98N–.03 136.77E–.03 328–1 4.5b 316 0-158
SZGRF IX 18 13 28 45.3 33.50N 140.02E 33 5.0b **¶13394605**
NIED IX 18 13 29 00 35.00N 136.80E 340 4.7W
BJI IX 18 13 29 27.8 34.98N 136.78E 330 4.8b,4.7b
MOS IX 18 13 29 28.5–.99 34.99N 136.70E 323 4.6b,4.7b
ISCJB IX 18 13 29 29.1–.18 34.95N–.03 136.77E–.03 334–1 4.5b,4.7b
NEIC IX 18 13 29 29.5–.40 34.92N 136.73E 324–3 4.7b,4.7W
JMA IX 18 13 29 29.7–.20 35.01N 136.77E 334–2 4.1,4.7W
IDC IX 18 13 29 30.0–.53 34.90N 136.69E 326–5 4.1b,4.1
DJA IX 18 13 29 32 35.06N 136.84E 357 4.7b,4.1
ISC Event type fe.
SZGRF Southeast of Honshu, Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ85.00000°,λ-154.00000°. NP2:ϕ_s319.00000°,δ64.00000°,λ-6.00000°. $M_0$1.26000×10^{16}
MOS Error ellipse: s-maj=9.6km s-min=5.2km az=114.5.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=4.0km az=140.5.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.7km az=84.0. Moment Tensor Solution. $M_0$1.30000×10^{16}
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s313.00000°,δ58.00000°,λ-5.00000°. NP2: ϕ_s46.00000°,δ86.00000°,λ-148.00000°. Principal axes: T Plg19.0000°,Azm175.0000° ; N Plg58.0000°,Azm52.0000°; P Plg25.0000°,Azm274.0000°
IDC Error ellipse: s-maj=10.8km s-min=6.0km az=72.0.
ISC IX 23 11 53 50.1–.53 34.12N–.04 136.75E–.03 28–4 28 0-14
NIED IX 23 11 53 00 34.10N 136.80E 29 3.7W **¶11747834**
ISCJB IX 23 11 53 50.0–.52 34.13N–.04 136.75E–.03 32–4 3.7W
JMA IX 23 11 53 50.5 34.13N 136.76E 28–1 3.9
NEIC IX 23 11 53 50.5 34.13N 136.76E 28 3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s287.00000°,δ90.00000°,λ165.00000°. NP2:ϕ_s17.00000°,δ75.00000°,λ1.00000°. $M_0$4.40000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=6.3km s-min=4.0km az=169.4.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s26.00000°,δ72.00000°,λ-7.00000°. NP2:ϕ_s118.00000°,δ83.00000°,λ-161.00000°. Principal axes: T Plg8.0000°,Azm251.0000°; N Plg70.0000°,Azm138.0000°; P Plg18.0000°,Azm343.0000°
NEIC Event type se. After JMA.
JMA IX 25 14 17 04.5 35.12N 135.54E 11–1 3.1
¶14104468
JMA Event type fe.

ISC	**IX**	**29 11 49 51.1–.54**	**35.02N–.03**	**132.92E–.04**	**6–5**	**3.3b**	**18**	**0-58**	
NIED	IX	29 11 49 00	35.00N	132.90E	5	3.5W			**¶11747909**
ISCJB	IX	29 11 49 50.6–.52	35.01N–.03	132.92E–.04	9–5	3.3b			
JMA	IX	29 11 49 50.6	35.02N	132.93E	7–1	3.4			
NEIC	IX	29 11 49 50.7	35.02N	132.93E	7	3.4			
IDC	IX	29 11 49 53.1–1.6	34.42N	133.35E	0	3.4,3.2b			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s299.00000°,δ67.00000°,λ-35.00000°. NP2:ϕ_s44.00000°,δ58.00000°,λ-153.00000°. $M_0$2.01000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=5.0km az=156.8.

JMA Event type fe.

NEIC Event type se. After JMA.

IDC Error ellipse: s-maj=34.3km s-min=22.0km az=140.0.

ISC	**X**	**01 00 24 58.6–.54**	**35.41N–.03**	**136.49E–.04**	**16–3**	**4.0b**	**68**	**0-94**	
NIED	X	01 00 24 00	35.40N	136.50E	14	3.9W			**¶11322836**
IDC	X	01 00 24 55.6–.63	35.40N	136.46E	0	4.0,4.0			
ISCJB	X	01 00 24 58.1–.48	35.42N–.03	136.44E–.04	25–4	4.0b,4.0			
NEIC	X	01 00 24 58.7	35.42N	136.50E	14	4.2b,4.0			
JMA	X	01 00 24 58.7	35.42N	136.50E	14	4.4,4.0			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s303.00000°,δ57.00000°,λ45.00000°. NP2:ϕ_s185.00000°,δ54.00000°,λ137.00000°. $M_0$9.14000×10^{14}

IDC Error ellipse: s-maj=15.2km s-min=12.4km az=144.0.

ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.5km az=39.8.

NEIC Event type fe. Recorded [3 JMA] in Gifu and Shiga; [2 JMA] in Aichi, Kyoto and Mie; [1 JMA] in Fukui, Hyogo, Ishikawa, Nagano, Nara, Okayama, Osaka and Shizuoka. After JMA.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s176.00000°,δ37.00000°,λ127.00000°. NP2:ϕ_s313.00000°,δ61.00000°,λ66.00000°. Principal axes: T Plg65.0000°,Azm180.0000°; N Plg21.0000°,Azm325.0000°; P Plg13.0000°,Azm60.0000°

JMA	**X**	**01 14 08 12.9**	**35.98N**	**136.38E**	**7–1**	**2.9**	**¶14106613**
JMA	**X**	**10 14 01 51.7**	**35.25N**	**136.73E**	**15**	**2.5**	**¶14109847**

ISC	**XI**	**06 11 57 16.8–.73**	**34.37N–.09**	**136.34E–.09**	**368–5**	**3.1b**	**28**	**0-54**	
ISCJB	XI	06 11 57 15.7–.75	34.36N–.10	136.35E–.09	376–5	3.1b			**¶12072528**
IDC	XI	06 11 57 15.9–1.5	34.26N	136.39E	364–31	3.1,3.0			
JMA	XI	06 11 57 16.7–.10	34.46N	136.28E	370–1	2.8,3.0			

ISCJB Error ellipse: s-maj=16.7km s-min=10.1km az=147.7.

IDC Error ellipse: s-maj=57.8km s-min=25.9km az=44.0.

JMA Error ellipse: s-maj=2.2km s-min=0.9km az=-1.0.

JMA	**XI**	**07 18 07 10.0**	**35.35N**	**135.83E**	**12–1**	**2.5**	**¶14119567**

JMA Event type fe.

JMA	**XI**	**21 18 37 26.1**	**35.13N**	**135.70E**	**8**	**2.7**	**¶14124271**

JMA Event type fe.

JMA	**XI**	**27 18 03 09.0**	**35.93N**	**136.34E**	**9–1**	**2.7**	**¶14126479**
JMA	**XI**	**28 04 16 45.0**	**35.09N**	**136.63E**	**11–1**	**2.5**	**¶14126576**

JMA Event type fe.

ISC	**XII**	**09 13 31 36.6–.27**	**34.76N–.04**	**137.00E–.05**	**314–2**	**4.0b**	**160**	**0-116**	
ISCJB	XII	09 13 31 35.6–.27	34.75N–.04	137.00E–.05	320–2	3.9b			**¶15514554**
MOS	XII	09 13 31 35.2–.84	34.75N	137.01E	318	4.0b			
JMA	XII	09 13 31 36.1–.20	34.83N	136.99E	320–2	3.9			
IDC	XII	09 13 31 36.4–.67	34.72N	136.94E	311–6	3.8,3.7			
NEIC	XII	09 13 31 36.2–.38	34.74N	136.98E	311–3	4.3b,3.7			

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.8km az=148.0.

MOS Error ellipse: s-maj=10.9km s-min=7.8km az=107.9.

JMA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.

IDC Error ellipse: s-maj=11.8km s-min=9.0km az=96.0.

NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.6km az=142.0.

JMA	**XII**	**10 21 33 32.1**	**35.37N**	**136.38E**	**15**	**2.9**	**¶15515003**
JMA	**XII**	**13 09 42 52.6**	**35.25N**	**136.46E**	**16**	**2.7**	**¶15515835**
JMA	**XII**	**18 06 47 15.8**	**35.37N**	**133.61E**	**11**	**1.0**	**¶15517646**

JMA	**XII**	**22 13 24 25.4**	**35.32N**	**133.31E**	**8–1**	**3.6**		**¶11517526**
NIED	XII	22 13 24 00	35.30N	133.30E	5	3.4W		

JMA Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ68.00000°,λ-37.00000°. NP2:ϕ_s251.00000°,δ56.00000°,λ-153.00000°. $M_0$1.51000×10^{14}

ISC	**XII**	**23 18 28 31.4–.22**	**35.89N–.04**	**135.66E–.04**	**346–2**	**3.7b**	**121**	**0-151**	
NIED	XII	23 18 28 00	36.00N	135.70E	360	4.4W			**¶11751812**
ISCJB	XII	23 18 28 30.5–.22	35.91N–.04	135.68E–.04	353–2	3.7b			
IDC	XII	23 18 28 31.0–.70	35.87N	135.66E	340–7	3.6,3.5			
NEIC	XII	23 18 28 30.7–.47	35.84N	135.63E	341–5	4.0b,3.5			
JMA	XII	23 18 28 31.4–.10	35.95N	135.66E	345–1	4.1,3.5			

ISC Event type se.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s249.00000°,δ57.00000°,λ-71.00000°. NP2:ϕ_s37.00000°,δ38.00000°,λ-116.00000°. $M_0$4.98000×10^{15}

ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.8km az=139.7.

IDC Error ellipse: s-maj=11.4km s-min=10.1km az=75.0.

NEIC Event type se. Error ellipse: s-maj=6.9km s-min=6.6km az=181.0.

JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

(233) Near south coast of western Honshu.

ISC	**VII**	**29 18 06 48.4–.59**	**34.08N–.04**	**135.46E–.05**	**61–5**	**2.9b**	**26**	**0-44**	
IDC	VII	29 18 06 40.8–4.9	33.88N	135.36E	0	3.4L,3.4			**¶12698485**
ISCJB	VII	29 18 06 47.5–.60	34.08N–.04	135.46E–.05	67–4	2.9b,3.4			
JMA	VII	29 18 06 48.4–.10	34.06N	135.47E	63–1	3.3,3.4			

ISC Event type fe.

IDC Error ellipse: s-maj=86.3km s-min=19.0km az=153.0.

ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=6.0km az=150.5.

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s67.00000°,δ59.00000°,λ176.00000°. NP2: ϕ_s159.00000°,δ87.00000°,λ31.00000°. Principal axes: T Plg24.0000°,Azm28.0000°; N Plg59.0000°,Azm165.0000°; P Plg19.0000°,Azm289.0000°

ISC	**VIII**	**05 21 26 00.2–.32**	**34.87N–.02**	**135.44E–.02**	**12–2**	**3.9s,3.8b**	**55**	**0-80**	
IDC	VIII	05 21 25 56.5–2.1	34.52N	135.50E	0	3.7,3.6b			**¶11154208**
ISCJB	VIII	05 21 26 00.2–.30	34.87N–.02	135.43E–.03	25–3	3.9s,3.8b			
NIED	VIII	05 21 26 00	34.90N	135.40E	14	3.8W,3.8b			
JMA	VIII	05 21 26 00.5	34.88N	135.45E	13–1	3.9,3.8b			
NEIC	VIII	05 21 26 02.5–3.6	34.85N	135.41E	28–27	4.2b,3.8b			

ISC Event type fe.

IDC Error ellipse: s-maj=56.2km s-min=19.5km az=171.0.

ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.2km az=31.1.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ53.00000°,λ85.00000°. NP2:ϕ_s5.00000°,δ37.00000°,λ96.00000°. $M_0$4.99000×10^{14}

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s353.00000°,δ33.00000°,λ64.00000°. NP2:ϕ_s202.00000°,δ61.00000°,λ106.00000°. Principal axes: T Plg70.0000°,Azm146.0000°; N Plg14.0000°,Azm14.0000°; P Plg14.0000°,Azm281.0000°

NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.2km az=220.0.

ISC	**VIII**	**23 20 44 54.5–.41**	**33.65N–.04**	**135.15E–.03**	**38–4**	**4.0b,3.0s**	**52**	**0-77**	
IDC	VIII	23 20 44 48.8–.79	33.66N	135.17E	0	4.0,3.9b			**¶11207956**
BJI	VIII	23 20 44 53.9	33.60N	135.30E	46	4.7b,4.2b			
ISCJB	VIII	23 20 44 53.5–.40	33.64N–.04	135.18E–.03	48–3	4.0b,3.0s			
JMA	VIII	23 20 44 54.5	33.67N	135.16E	45–1	4.3,3.0s			
NEIC	VIII	23 20 44 55.0–.98	33.63N	135.26E	46–9	4.3b,3.0s			
NIED	VIII	23 20 45 00	33.70N	135.20E	38	4.2W,3.0s			

ISC Event type fe.

IDC Error ellipse: s-maj=21.8km s-min=17.8km az=60.0.

ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.1km az=168.6.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s145.00000°,δ40.00000°,λ-122.00000°. NP2:ϕ_s4.00000°,δ57.00000°,λ-66.00000°. Principal axes: T Plg9.0000°,Azm77.0000°; N Plg20.0000°,Azm170.0000°; P Plg68.0000°,Azm324.0000°

NEIC Event type fe. Error ellipse: s-maj=11.5km s-min=8.3km az=152.0. Recorded [3 JMA] in Wakayama and [1 JMA] in Nara. Recorded [2 JMA] in Tokushima and [1 JMA] in Kagawa, Shikoku.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ77.00000°,λ-56.00000°. NP2:ϕ_s122.00000°,δ36.00000°,λ-158.00000°. $M_0$1.90000×10^{15}

ISC	**VIII**	**24 08 20 14.6–.65**	**34.13N–.04**	**135.86E–.04**	**54–6**	**3.6b**	**26**	**0-74**	
IDC	VIII	24 08 20 01.9–1.5	34.78N	134.22E	0	3.6b,3.6			**¶13540636**
ISCJB	VIII	24 08 20 13.7–.71	34.13N–.04	135.87E–.04	60–6	3.6b,3.6			
JMA	VIII	24 08 20 14.5	34.15N	135.88E	55–1	3.0,3.6			

IDC Error ellipse: s-maj=43.2km s-min=36.3km az=101.0.

ISCJB Error ellipse: s-maj=6.8km s-min=5.5km az=146.7.

JMA	**IX**	**06 17 27 47.3**	**34.85N**	**135.46E**	**7–1**	**3.2**	**¶14097461**

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s326.00000°,δ38.00000°,λ0.00000°. NP2:ϕ_s236.00000°,δ90.00000°,λ128.00000°. Principal axes: T Plg34.0000°,Azm177.0000°; N Plg38.0000°,Azm56.0000°; P Plg34.0000°,Azm294.0000°

ISC	**IX**	**09 04 24 48.4–.69**	**34.70N–.03**	**135.99E–.03**	**58–8**		**33**	**0-3**	
NIED	IX	09 04 24 00	34.70N	136.00E	41	4.1W			**¶11747666**
ISCJB	IX	09 04 24 48.0–.73	34.70N–.03	136.00E–.03	60–7	4.1W			
JMA	IX	09 04 24 48.5	34.71N	136.01E	57–1	3.3			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s291.00000°,δ71.00000°,λ-115.00000°. NP2:ϕ_s165.00000°,δ31.00000°,λ-40.00000°. $M_0$1.44000×10^{15}

ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.4km az=155.7.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s307.00000°,δ55.00000°,λ-42.00000°. NP2:ϕ_s64.00000°,δ57.00000°,λ-137.00000°. Principal axes: T Plg1.0000°,Azm185.0000°; N Plg38.0000°,Azm94.0000°; P Plg52.0000°,Azm276.0000°

ISC	**IX**	**17 14 54 43.6–.95**	**33.52N–.06**	**135.58E–.05**	**20–4**	**3.5b**	**16**	**0-42**	
IDC	IX	17 14 54 37.8–12	33.09N	135.71E	0	3.7b,3.6			**¶11910483**
ISCJB	IX	17 14 54 42.7–1.0	33.49N–.07	135.61E–.05	25–4	3.5b,3.6			
JMA	IX	17 14 54 42.9	33.50N	135.60E	25	3.4,3.6			

ISC Event type fe.

IDC Error ellipse: s-maj=224.6km s-min=35.1km az=148.0.

ISCJB Event type fe. Error ellipse: s-maj=11.7km s-min=7.2km az=167.7.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s263.00000°,δ27.00000°,λ101.00000°. NP2:ϕ_s71.00000°,δ63.00000°,λ85.00000°. Principal axes: T Plg71.0000°,Azm329.0000°; N Plg5.0000°,Azm73.0000°; P Plg18.0000°,Azm165.0000°

ISC	**IX**	**19 22 01 09.6–.38**	**33.91N–.04**	**135.40E–.03**	**51–4**	**3.7b**	**39**	**0-81**	
NIED	IX	19 22 01 00	33.90N	135.40E	53	3.7W			**¶11747788**
IDC	IX	19 22 01 03.5–.91	33.84N	135.18E	0	3.9,3.8L			
ISCJB	IX	19 22 01 08.3–.39	33.89N–.04	135.40E–.03	60–3	3.7b,3.8L			
JMA	IX	19 22 01 09.7	33.91N	135.42E	50–1	3.7,3.8L			
NEIC	IX	19 22 01 10.3–.91	33.94N	135.45E	61–11	3.8b,3.8L			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s340.00000°,δ76.00000°,λ-59.00000°. NP2:ϕ_s92.00000°,δ34.00000°,λ-154.00000°. $M_0$3.83000×10^{14}

IDC Error ellipse: s-maj=21.5km s-min=16.8km az=129.0.

ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=4.7km az=174.3.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s327.00000°,δ48.00000°,λ-51.00000°. NP2:ϕ_s97.00000°,δ55.00000°,λ-125.00000°. Principal axes: T Plg4.0000°,Azm211.0000°; N Plg28.0000°,Azm119.0000°; P Plg62.0000°,Azm308.0000°

NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.4km az=115.0.

ISC	**X**	**18 13 28 36.1–.44**	**34.26N–.02**	**135.42E–.04**	**10**	**3.0b**	**22**	**0-42**	
NIED	X	18 13 28 00	34.30N	135.40E	5	3.4W			**¶11360206**
ISCJB	X	18 13 28 35.6–.44	34.26N–.03	135.41E–.04	10	3.0b			
IDC	X	18 13 28 35.8–6.0	34.25N	135.47E	0	3.3b,3.3			
JMA	X	18 13 28 35.7	34.26N	135.41E	8–1	3.5,3.3			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s184.00000°,δ55.00000°,λ68.00000°. NP2:ϕ_s38.00000°,δ41.00000°,λ117.00000°. $M_0$1.52000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.6km az=169.4.

IDC Error ellipse: s-maj=108.2km s-min=18.6km az=156.0.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s27.00000°,δ33.00000°,λ112.00000°. NP2:ϕ_s181.00000°,δ59.00000°,λ76.00000°. Principal axes: T Plg72.0000°,Azm59.0000°; N Plg12.0000°,Azm188.0000°; P Plg13.0000°,Azm281.0000°

ISC	**X**	**20 09 22 45.4–.93**	**33.05N–.05**	**136.47E–.04**	**27–6**	**3.5b**	**40**	**1-56**	
IDC	X	20 09 22 42.4–1.5	32.90N	136.45E	0	3.5b,3.5			**¶12069120**
JMA	X	20 09 22 44.6–.10	32.97N	136.44E	43–2	3.1,3.5			
NEIC	X	20 09 22 44.7	32.97N	136.44E	43	3.1,3.5			
ISCJB	X	20 09 22 45.0–.90	33.01N–.06	136.47E–.04	39–13	3.5b,3.5			

ISC Event type se.

NEIC Event type se. After JMA.

ISCJB Event type se.

ISC	**XI**	**10 01 30 55.0–.59**	**34.19N–.04**	**135.67E–.04**	**58–6**		**27**	**0-54**	
IDC	XI	10 01 30 49.5–1.8	33.82N	135.73E	0	4.1,3.9b			**¶11415152**
ISCJB	XI	10 01 30 53.9–.61	34.20N–.05	135.66E–.04	67–5	4.1,3.9b			
JMA	XI	10 01 30 55.0–.10	34.18N	135.67E	59–1	3.9,3.9b			

ISC Event type fe.

IDC Error ellipse: s-maj=42.0km s-min=25.0km az=117.0.

ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=5.2km az=168.1.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s46.00000°,δ50.00000°,λ173.00000°. NP2:ϕ_s140.00000°,δ85.00000°,λ40.00000°. Principal axes: T Plg31.0000°,Azm11.0000°; N Plg50.0000°,Azm146.0000°; P Plg23.0000°,Azm266.0000°

JMA	**XI**	**21 14 51 32.5–.10**	**33.15N**	**135.80E**	**31–1**	**3.8**	
NIED	XI	21 14 51 00	33.10N	135.80E	11	3.6W	**¶11750998**

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s162.00000°,δ78.00000°,λ41.00000°. NP2:ϕ_s61.00000°,δ50.00000°,λ164.00000°. $M_0$3.17000×10^{14}

ISC	**XI**	**22 06 21 59.4–.91**	**33.67N–.05**	**135.10E–.04**	**11–6**	**3.0b**	**16**	**0-42**	
NIED	XI	22 06 21 00	33.70N	135.10E	11	3.4W			**¶11751027**
IDC	XI	22 06 21 58.0–4.3	33.35N	135.61E	0	3.4b,3.4			
ISCJB	XI	22 06 21 59.3–.92	33.66N–.06	135.11E–.04	20–13	3.0b,3.4			
JMA	XI	22 06 21 59.5	33.68N	135.10E	16–1	3.9,3.4			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s211.00000°,δ80.00000°,λ156.00000°. NP2:ϕ_s305.00000°,δ67.00000°,λ11.00000°. $M_0$1.43000×10^{14}

IDC Error ellipse: s-maj=71.1km s-min=22.5km az=146.0.

ISCJB Event type fe. Error ellipse: s-maj=9.6km s-min=6.1km az=6.0.

JMA Event type fe.

ISC	**XII**	**13 10 26 41.9–.42**	**33.76N–.04**	**135.31E–.03**	**44–5**	**3.5b**	**46**	**0-57**	
NIED	XII	13 10 26 00	33.80N	135.40E	50	3.8W			**¶11751682**
ISCJB	XII	13 10 26 40.9–.44	33.75N–.04	135.32E–.03	52–4	3.5b			
IDC	XII	13 10 26 40.8–5.4	33.75N	135.43E	33–46	3.5,3.4b			
JMA	XII	13 10 26 41.9	33.77N	135.35E	46–1	3.7,3.4b			
NEIC	XII	13 10 26 42.0	33.77N	135.35E	46	3.7,3.4b			

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s338.00000°,δ82.00000°,λ-52.00000°. NP2:ϕ_s79.00000°,δ39.00000°,λ-167.00000°. $M_0$6.66000×10^{14}

ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.2km az=173.3.

IDC Error ellipse: s-maj=33.6km s-min=22.7km az=73.0.

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s343.00000°,δ76.00000°,λ-86.00000°. NP2:ϕ_s148.00000°,δ14.00000°,λ-104.00000°. Principal axes: T Plg31.0000°,Azm70.0000°; N Plg4.0000°,Azm162.0000°; P Plg59.0000°,Azm258.0000°

NEIC Event type se. After JMA.

ISC	**XII**	**14 14 01 16.0–.29**	**33.97N–.05**	**136.72E–.07**	**367–2**	**3.5b**	**87**	**0-95**	
ISCJB	XII	14 14 01 15.0–.30	33.96N–.05	136.72E–.07	374–2	3.5b			**¶12077456**
JMA	XII	14 14 01 15.2–.30	34.03N	136.66E	373–3	3.3			
NEIC	XII	14 14 01 15.8–.54	33.96N	136.74E	364–5	3.6b			
IDC	XII	14 14 01 16.0–1.3	33.99N	136.72E	365–13	3.5,3.4			

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=7.7km az=35.0.

JMA Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.3km az=116.0.

IDC Error ellipse: s-maj=11.9km s-min=9.3km az=93.0.

(234) Northwest of Ryukyu Islands.

JMA VII 28 14 59 45.4–.30 27.16N 126.94E 13–4 3.5
NIED VII 28 14 59 00 27.20N 126.90E 5 3.7W **¶11747183**
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ77.00000°,λ115.00000°. NP2:ϕ_s153.00000°,δ28.00000°,λ28.00000°. $M_0$4.15000×10^{14}
ISC VIII 05 15 24 37.6–.46 27.35N–.08 126.79E–.08 148–11 3.8b 37 1-41
IDC VIII 05 15 23 59.3–35 24.95N 128.32E 0 4.1b,3.8 **¶13516219**
ISCJB VIII 05 15 24 36.6–.45 27.34N–.08 126.79E–.09 153–11 3.8b,3.8
JMA VIII 05 15 24 38.5–.30 27.43N 126.84E 142 4.0,3.8
IDC Error ellipse: s-maj=646.2km s-min=79.1km az=124.0.
ISCJB Error ellipse: s-maj=18.1km s-min=4.2km az=137.9.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
JMA IX 02 12 43 02.3–.10 28.71N 127.72E 171 4.1
¶14095873
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC IX 02 21 22 31.2–.29 27.02N–.04 126.26E–.03 142–4 3.7b 80 1-79
ISCJB IX 02 21 22 30.1–.29 27.01N–.05 126.27E–.04 148–4 3.7b **¶11909317**
JMA IX 02 21 22 31.1–.20 27.08N 126.22E 144–4 3.7
NEIC IX 02 21 22 31.8–.71 26.97N 126.24E 147–8 4.0b
IDC IX 02 21 22 37.0–3.5 27.09N 126.24E 199–36 3.3,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=3.3km az=147.9.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.3km az=146.0.
IDC Error ellipse: s-maj=24.7km s-min=12.7km az=72.0.
JMA IX 05 17 56 04.3–.20 29.16N 127.88E 212 3.5
¶14097092
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
JMA X 05 05 34 57.1–.20 28.10N 127.17E 164 3.7
¶14107951
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
JMA X 12 09 09 28.2–.30 29.63N 128.50E 249 3.7
¶14110436
JMA Error ellipse: s-maj=2.2km s-min=5.8km az=-1.0.
ISC XI 03 11 22 26.8–.44 27.61N–.06 126.98E–.06 166–5 3.8b 51 1-78
ISCJB XI 03 11 22 25.9–.43 27.56N–.06 127.05E–.06 175–5 3.8b **¶12072112**
IDC XI 03 11 22 26.6–.90 27.67N 127.08E 164–9 3.7,3.5b
NEIC XI 03 11 22 27.1–.60 27.67N 127.04E 170–6 3.9,3.5b
JMA XI 03 11 22 28.0–.30 27.66N 126.99E 153 3.9,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.1km az=140.9.
IDC Error ellipse: s-maj=27.1km s-min=12.7km az=69.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.0km az=97.0.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC XI 09 09 15 43.4–.61 29.1N–.10 127.9E–.20 270–13 3.3b 18 2-76
ISCJB XI 09 09 15 42.6–.61 29.1N–.10 127.9E–.20 278–12 3.3b **¶12072934**
IDC XI 09 09 15 43.8–.68 28.62N 127.88E 307–27 3.1,3.0b
JMA XI 09 09 15 46.0–.50 29.33N 127.71E 223 3.6,3.0b
ISCJB Error ellipse: s-maj=28.6km s-min=18.0km az=29.9.
IDC Error ellipse: s-maj=52.1km s-min=25.7km az=177.0.
JMA Error ellipse: s-maj=3.3km s-min=7.8km az=-1.0.
ISC XI 14 12 19 01.3–.39 27.30N–.06 126.57E–.06 158–6 3.7b 45 1-51
IDC XI 14 12 18 46.8–1.0 26.72N 125.19E 0 4.5L,3.9b **¶12073517**
ISCJB XI 14 12 19 00.3–.39 27.27N–.06 126.60E–.06 165–6 3.7b,3.9b
JMA XI 14 12 19 02.3–.30 27.38N 126.61E 150 4.1,3.9b
IDC Error ellipse: s-maj=34.8km s-min=18.3km az=57.0.
ISCJB Error ellipse: s-maj=11.9km s-min=4.0km az=139.3.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.

(235) Kyushu.

ISC VII 17 14 47 43.0–1.2 32.4N–.10 131.2E–.20 155–6 3.4b 13 0-69
ISCJB VII 17 14 47 41.6–1.2 32.4N–.10 131.2E–.20 158–6 3.4b **¶12698272**
JMA VII 17 14 47 44.9–.10 32.50N 131.06E 142–1 2.9
IDC VII 17 14 47 51.0–10 32.95N 131.02E 201–46 3.2b,3.1
ISCJB Error ellipse: s-maj=29.1km s-min=16.2km az=135.3.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=158.8km s-min=30.6km az=7.0.
ISC VIII 06 03 10 27.7–.47 32.29N–.07 131.21E–.07 86–4 3.8b 24 0-73
NIED VIII 06 03 10 00 32.30N 131.20E 77 3.8W **¶11747298**
ISCJB VIII 06 03 10 26.5–.47 32.30N–.07 131.26E–.06 92–4 3.8b
NEIC VIII 06 03 10 27.9–.67 32.29N 131.09E 87 3.7b
JMA VIII 06 03 10 28.1–.10 32.28N 131.15E 83–1 3.6
IDC VIII 06 03 10 29.3–3.1 32.32N 131.12E 101–28 3.6b,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s152.00000°,δ61.00000°,λ131.00000°. NP2:ϕ_s271.00000°,δ49.00000°,λ40.00000°. $M_0$5.54000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=11.9km s-min=8.0km az=151.1.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.1km az=171.0.
JMA Event type fe.
IDC Error ellipse: s-maj=25.5km s-min=20.6km az=39.0.
ISC VIII 24 00 25 45.6–.63 30.44N–.04 131.12E–.05 38–4 4.4b,3.9s 102 0-94
NIED VIII 24 00 25 00 30.40N 131.30E 20 4.5W,3.9s **¶11184444**
IDC VIII 24 00 25 40.1–.57 30.44N 130.89E 0 4.4,4.3
MOS VIII 24 00 25 43.1–1.2 30.45N 131.05E 33 4.8b,4.3
JMA VIII 24 00 25 43.4–.10 30.40N 131.27E 26–1 4.5,4.3
ISCJB VIII 24 00 25 44.1–.67 30.41N–.05 131.12E–.05 44–4 4.4b,3.9s
NEIC VIII 24 00 25 45.5–.35 30.46N 131.01E 35 4.7b,4.5W
SZGRF VIII 24 00 25 45.5 29.97N 130.85E 33 4.7b,4.5W
BJI VIII 24 00 25 46.4 30.50N 131.00E 35 4.8b,4.7b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s245.00000°,δ88.00000°,λ-99.00000°. NP2:ϕ_s141.00000°,δ9.00000°,λ-15.00000°. $M_0$6.23000×10^{15}
IDC Error ellipse: s-maj=21.6km s-min=13.4km az=67.0.
MOS Error ellipse: s-maj=13.0km s-min=7.1km az=107.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=7.3km az=140.0.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=7.9km az=69.0. Recorded [2 JMA] in Kagoshima. Recorded [1 JMA] on Tanega-shima. Moment Tensor Solution. $M_0$6.20000×10^{15}
SZGRF Ryukyu Islands, Japan.
JMA VIII 27 22 36 06.6–.20 30.21N 131.78E 48–3 3.6
¶13541865
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC IX 03 14 32 07.8–.91 33.38N–.03 130.9E–.10 8–5 3.7b 29 0-84
NIED IX 03 14 32 00 33.40N 130.90E 8 3.9W **¶11230956**
NEIC IX 03 14 32 06.8–3.3 33.44N 131.03E 5–18 4.1b
IDC IX 03 14 32 06.8–.88 33.23N 130.59E 0 3.7,3.6
ISCJB IX 03 14 32 07.5–.84 33.38N–.03 130.9E–.10 17–5 3.7b,3.6
JMA IX 03 14 32 07.6 33.38N 130.90E 13 4.0,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s73.00000°,δ58.00000°,λ-129.00000°. NP2:ϕ_s310.00000°,δ49.00000°,λ-45.00000°. $M_0$8.66000×10^{14}
NEIC Event type fe. Error ellipse: s-maj=30.7km s-min=11.7km az=67.0. Felt at Fukuma and Hita. Recorded [3 JMA] in Fukuoka and Oita; [2 JMA] in Saga; [1 JMA] in Kumamoto, Miyazaki, Nagasaki and Yamaguchi. Felt info added from CIIM reports.
IDC Error ellipse: s-maj=31.3km s-min=15.0km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=14.9km s-min=5.1km az=173.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s317.00000°,δ46.00000°,λ-40.00000°. NP2:ϕ_s78.00000°,δ63.00000°,λ-128.00000°. Principal axes: T Plg10.0000°,Azm194.0000°; N Plg33.0000°,Azm97.0000°; P Plg55.0000°,Azm298.0000°
ISC IX 06 23 38 15.3–.57 32.93N–.05 131.95E–.04 48–6 3.1b 24 0-53
IDC IX 06 23 38 08.9–1.5 32.67N 131.76E 0 3.8,3.7 **¶11909655**
ISCJB IX 06 23 38 14.2–.59 32.96N–.05 131.95E–.04 58–5 3.1b,3.7
JMA IX 06 23 38 15.4 32.96N 131.95E 46–1 3.3,3.7
IDC Error ellipse: s-maj=32.5km s-min=23.8km az=55.0.
ISCJB Error ellipse: s-maj=9.0km s-min=5.4km az=169.8.
ISC IX 12 01 24 09.6–.49 32.90N–.07 131.43E–.07 101–4 3.5b 21 0-56
IDC IX 12 01 23 58.7–1.2 32.50N 130.85E 0 4.2L,3.7 **¶11747700**
NIED IX 12 01 24 00 32.90N 131.40E 92 3.7W,3.7
ISCJB IX 12 01 24 08.4–.50 32.89N–.07 131.47E–.08 108–4 3.5b,3.7
NEIC IX 12 01 24 09.4–.68 32.73N 131.31E 100 3.8b,3.7
JMA IX 12 01 24 10.3–.10 32.90N 131.44E 96–1 3.5,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=40.9km s-min=22.6km az=64.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s27.00000°,δ58.00000°,λ64.00000°. NP2:ϕ_s249.00000°,δ40.00000°,λ125.00000°. $M_0$4.06000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=14.4km s-min=7.4km az=142.6.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=14.6km az=220.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC IX 17 22 58 59.0–.69 31.63N–.04 130.01E–.04 6–6 17 0-23
NIED IX 17 22 58 00 31.60N 130.00E 5 3.6W **¶11747771**
ISCJB IX 17 22 58 58.6–.72 31.62N–.05 130.00E–.05 11–7 3.6W
JMA IX 17 22 58 58.9 31.65N 130.02E 6–1 3.5
NEIC IX 17 22 58 59.0 31.65N 130.02E 6 3.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s11.00000°,δ84.00000°,λ145.00000°. NP2:ϕ_s105.00000°,δ55.00000°,λ8.00000°. $M_0$2.74000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.5km az=34.5.
NEIC Event type se. After JMA.
ISC IX 25 19 05 20.5–.33 32.18N–.05 131.06E–.06 115–2 4.1b 74 0-90
NIED IX 25 19 05 00 32.20N 131.10E 107 4.3W **¶13395198**
ISCJB IX 25 19 05 19.5–.33 32.15N–.05 131.07E–.06 119–2 4.1b
IDC IX 25 19 05 20.9–.72 32.23N 131.05E 118–7 3.9,3.9
BJI IX 25 19 05 20.1 32.20N 131.08E 121 4.6b,4.1b
NEIC IX 25 19 05 20.3–.31 32.23N 131.03E 112 4.4b,4.1b
JMA IX 25 19 05 21.2–.10 32.22N 131.07E 109–1 3.8,4.1b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ72.00000°,λ84.00000°. NP2:ϕ_s212.00000°,δ19.00000°,λ107.00000°. $M_0$3.00000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=7.1km az=29.7.
IDC Error ellipse: s-maj=15.4km s-min=10.1km az=83.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.6km az=109.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s232.00000°,δ22.00000°,λ130.00000°. NP2: ϕ_s10.00000°,δ73.00000°,λ76.00000°. Principal axes: T Plg59.0000°,Azm260.0000°; N Plg14.0000°,Azm14.0000°; P Plg27.0000°,Azm111.0000°
ISC X 02 19 57 27.2–.40 30.77N–.05 130.31E–.08 133–3 3.6b 45 0-76
IDC X 02 19 57 24.4–2.7 30.89N 130.33E 106–26 3.7,3.6b **¶11911746**
ISCJB X 02 19 57 26.0–.40 30.76N–.05 130.34E–.08 137–3 3.6b,3.6b
NEIC X 02 19 57 27.9–.87 30.83N 130.20E 138–9 3.0,3.6b
JMA X 02 19 57 28.4–.10 30.80N 130.35E 123–1 3.0,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=16.2km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.9km az=18.1.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=10.0km az=105.0.
ISC X 10 23 34 32.2–2.0 31.53N–.08 131.9E–.10 34–10 3.5b 21 0-70
NIED X 10 23 34 00 31.50N 131.80E 32 3.9W **¶11748516**
IDC X 10 23 34 21.4–10 30.53N 131.71E 0 3.6,3.5b
NEIC X 10 23 34 30.1–3.8 31.16N 131.69E 35 3.7,3.5b
JMA X 10 23 34 32.5–.10 31.54N 131.84E 25–1 3.6,3.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ74.00000°,λ65.00000°. NP2: ϕ_s248.00000°,δ30.00000°,λ146.00000°. $M_0$7.55000×10^{14}
IDC Error ellipse: s-maj=284.1km s-min=116.2km az=5.0.
NEIC Event type se. Error ellipse: s-maj=83.8km s-min=33.9km az=97.0.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC X 16 04 32 53.3–.58 32.89N–.03 130.09E–.04 0–6 3.5b 27 0-85
NIED X 16 04 32 00 32.90N 130.10E 5 3.9W **¶11360176**
ISCJB X 16 04 32 52.8–.55 32.89N–.03 130.09E–.04 9–4 3.4b
IDC X 16 04 32 53.0–1.2 32.90N 130.03E 0 3.7,3.6
NEIC X 16 04 32 53.0 32.90N 130.09E 10 3.9,3.6
JMA X 16 04 32 53.0 32.90N 130.09E 10–1 3.9,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ82.00000°,λ169.00000°. NP2:ϕ_s142.00000°,δ79.00000°,λ9.00000°. $M_0$8.27000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=5.4km az=0.7.
IDC Error ellipse: s-maj=25.6km s-min=19.6km az=66.0.
NEIC Event type se. After JMA.
JMA Event type fe.
ISC X 29 22 59 25.4–.44 33.55N–.05 131.76E–.06 89–3 3.6b 34 0-57
NIED X 29 22 59 00 33.60N 131.80E 74 3.7W **¶11749668**
ISCJB X 29 22 59 24.2–.44 33.54N–.06 131.77E–.06 95–3 3.6b
NEIC X 29 22 59 26.0 33.57N 131.78E 84 3.8b
JMA X 29 22 59 25.9 33.57N 131.78E 84–1 3.6
IDC X 29 22 59 26.7–3.1 33.58N 131.75E 104–40 3.5,3.4
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s353.00000°,δ77.00000°,λ71.00000°. NP2:ϕ_s230.00000°,δ23.00000°,λ146.00000°. $M_0$3.99000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=8.0km az=163.5.
NEIC Event type se. After JMA.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s203.00000°,δ12.00000°,λ115.00000°. NP2:ϕ_s358.00000°,δ79.00000°,λ85.00000°. Principal axes: T Plg56.0000°,Azm261.0000°; N Plg5.0000°,Azm359.0000°; P Plg34.0000°,Azm92.0000°
IDC Error ellipse: s-maj=46.0km s-min=16.0km az=50.0.
ISC XI 02 16 30 58.0–.72 32.12N–.03 129.35E–.04 6–6 3.5b 22 1-74
NIED XI 02 16 30 00 32.10N 129.30E 5 4.0W **¶11749922**
ISCJB XI 02 16 30 57.1–.77 32.12N–.03 129.32E–.04 5–6 3.5b
IDC XI 02 16 30 57.9–2.2 32.19N 129.25E 0 3.6,3.5
JMA XI 02 16 30 57.8 32.12N 129.34E 7–2 3.9,3.5
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s234.00000°,δ77.00000°,λ-152.00000°. NP2:ϕ_s137.00000°,δ63.00000°,λ-14.00000°. $M_0$1.19000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=6.6km s-min=4.8km az=43.8.
IDC Error ellipse: s-maj=47.2km s-min=31.1km az=80.0.
JMA Event type fe.
ISC XI 05 20 28 49.3–.36 31.21N–.05 130.51E–.07 154–2 3.8b 76 0-86
NIED XI 05 20 28 00 31.20N 130.50E 145 4.0W **¶13399361**
ISCJB XI 05 20 28 48.1–.37 31.20N–.05 130.51E–.07 159–2 3.8b
NEIC XI 05 20 28 49.4–.74 31.21N 130.47E 156–7 4.2b
JMA XI 05 20 28 50.1–.10 31.20N 130.45E 148–1 3.8
IDC XI 05 20 28 51.1–1.6 31.18N 130.36E 173–15 3.6b,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ64.00000°,λ89.00000°. NP2:ϕ_s200.00000°,δ26.00000°,λ92.00000°. $M_0$1.07000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.9km az=29.7.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.5km az=122.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s32.00000°,δ46.00000°,λ123.00000°. NP2: ϕ_s170.00000°,δ53.00000°,λ61.00000°. Principal axes: T Plg67.0000°,Azm19.0000°; N Plg23.0000°,Azm188.0000°; P Plg4.0000°,Azm280.0000°
IDC Error ellipse: s-maj=16.0km s-min=14.1km az=141.0.
ISC XI 08 03 59 51.2–.46 31.19N–.05 130.2E–.10 174–4 3.6b 33 0-82
NIED XI 08 03 59 00 31.20N 130.30E 185 3.9W **¶13399548**
ISCJB XI 08 03 59 50.1–.46 31.18N–.05 130.3E–.10 179–4 3.6b
NEIC XI 08 03 59 51.4–.87 31.26N 130.36E 178–8 3.4b
JMA XI 08 03 59 52.8–.10 31.24N 130.30E 165–2 3.6
IDC XI 08 03 59 53.9–2.7 31.13N 129.68E 192–21 3.5,3.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ62.00000°,λ85.00000°. NP2: ϕ_s199.00000°,δ29.00000°,λ99.00000°. $M_0$6.81000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=8.6km az=8.5.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=10.8km az=90.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=59.9km s-min=12.3km az=80.0.
ISC XI 15 20 39 21.9–.87 30.10N–.05 131.30E–.07 41–8 3.8b 37 1-77
JMA XI 15 20 39 19.9–.20 30.08N 131.38E 31–2 3.4 **¶12073660**
ISCJB XI 15 20 39 20.1–.93 30.05N–.05 131.36E–.07 45–7 3.8b
NEIC XI 15 20 39 22.7–1.1 30.10N 131.27E 49–13 4.1b
IDC XI 15 20 39 23.4–2.6 30.02N 131.19E 57–23 3.5,3.5b

ISC Event type se.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.7km az=34.9.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=11.4km az=127.0.
IDC Error ellipse: s-maj=49.1km s-min=16.2km az=120.0.

ISC	**XII**	**06 17 03 51.9–.61**	**32.88N–.03**	**130.81E–.07**	**13–5**	**3.2b**	**14**	**0-56**
NIED	XII	06 17 03 00	32.90N	130.80E	8	3.4W		¶11493274
IDC	XII	06 17 03 49.4–1.4	32.79N	130.73E	0	3.4,3.2b		
ISCJB	XII	06 17 03 51.7–.63	32.90N–.03	130.82E–.07	13–5	3.2b,3.2b		
JMA	XII	06 17 03 51.7	32.90N	130.83E	13	3.6,3.2b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s104.00000°,δ48.00000°,λ-68.00000°. NP2:ϕ_s253.00000°,δ47.00000°,λ-113.00000°. $M_0$1.64000×10^{14}
IDC Error ellipse: s-maj=38.8km s-min=19.1km az=74.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=5.3km az=171.0.
JMA Event type fe.

ISC	**XII**	**13 12 32 44.6–.66**	**31.35N–.02**	**129.69E–.04**	**10–4**	**4.3b,3.8s**	**186**	**0-89**
NIED	XII	13 12 32 00	31.40N	129.50E	5	4.4W,3.8s		¶12077300
IDC	XII	13 12 32 41.7–.55	31.32N	129.57E	0	4.2,4.2		
BJI	XII	13 12 32 42.1	31.21N	129.80E	10	4.7b,4.4s		
JMA	XII	13 12 32 42.0–.10	31.37N	129.45E	11–1	4.4,4.4s		
ISCJB	XII	13 12 32 43.8–.76	31.37N–.03	129.67E–.04	14–5	4.3b,3.8s		
NEIC	XII	13 12 32 44.0–.47	31.38N	129.66E	10	4.7b,4.3W		
MOS	XII	13 12 32 45.9–2.1	31.31N	129.73E	33	4.7b,4.3W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s277.00000°,δ70.00000°,λ29.00000°. NP2:ϕ_s176.00000°,δ63.00000°,λ157.00000°. $M_0$4.21000×10^{15}
IDC Error ellipse: s-maj=19.0km s-min=12.9km az=77.0.
JMA Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=4.4km az=164.7.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=7.4km az=134.0. Recorded [2 JMA] in Kagoshima and [1 JMA] in Kumamoto. Moment Tensor Solution. $M_0$4.20000×10^{15}
MOS Error ellipse: s-maj=9.0km s-min=6.4km az=103.9.

JMA	**XII**	**13 13 24 23.4**	**31.38N**	**129.47E**	**10–1**	**3.7**
NIED	XII	13 13 24 00	31.40N	129.50E	5	3.8W ¶11751685

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s277.00000°,δ69.00000°,λ30.00000°. NP2:ϕ_s175.00000°,δ62.00000°,λ156.00000°. $M_0$4.77000×10^{14}

JMA	**XII**	**14 11 28 48.8**	**31.95N**	**130.13E**	**7–1**	**3.5**
NIED	XII	14 11 28 00	32.00N	130.10E	5	3.5W ¶11751691

JMA Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s96.00000°,δ88.00000°,λ22.00000°. NP2:ϕ_s5.00000°,δ68.00000°,λ178.00000°. $M_0$2.01000×10^{14}

ISC	**XII**	**19 03 44 17.0–.34**	**33.65N–.06**	**131.55E–.07**	**126–3**	**4.1b**	**67**	**0-147**
ISCJB	XII	19 03 44 15.9–.35	33.62N–.06	131.57E–.07	133–3	4.0b		¶12078143
JMA	XII	19 03 44 17.9–.10	33.72N	131.58E	117–1	3.3		
NEIC	XII	19 03 44 17.6–.50	33.62N	131.50E	133–4	4.2b		
IDC	XII	19 03 44 18.2–2.2	33.67N	131.51E	136–20	3.7b,3.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=9.2km az=8.5.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.7km az=52.0.
IDC Error ellipse: s-maj=19.6km s-min=12.4km az=68.0.

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ISC	**VII**	**10 19 21 56.7–.84**	**32.17N–.04**	**132.01E–.04**	**33–5**	**3.6b**	**31**	**0-84**
NIED	VII	10 19 21 00	32.20N	132.00E	32	4.0W		¶11746960
IDC	VII	10 19 21 51.1–.87	32.21N	131.92E	0	3.7,3.6		
ISCJB	VII	10 19 21 56.1–.50	32.20N–.04	132.02E–.05	53–5	3.6b,3.6		
JMA	VII	10 19 21 56.8–.10	32.16N	132.02E	30–2	4.1,3.6		
NEIC	VII	10 19 21 56.8	32.16N	132.02E	30	4.1,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s312.00000°,δ87.00000°,λ113.00000°. NP2:ϕ_s49.00000°,δ23.00000°,λ7.00000°. $M_0$9.81000×10^{14}
IDC Error ellipse: s-maj=24.9km s-min=17.8km az=62.0.
ISCJB Event type fe. Error ellipse: s-maj=8.1km s-min=5.4km az=143.3.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s353.00000°,δ14.00000°,λ-61.00000°. NP2:ϕ_s143.00000°,δ77.00000°,λ-97.00000°. Principal axes: T Plg32.0000°,Azm239.0000° ; N Plg7.0000°,Azm145.0000°; P Plg57.0000°,Azm44.0000°
NEIC Event type fe. Recorded [1 JMA] in Miyazaki and Oita. After JMA.

JMA	**VII**	**19 10 42 37.2**	**33.77N**	**134.79E**	**40–1**	**3.9**	

¶13509114

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s55.00000°,δ67.00000°,λ8.00000°. NP2:ϕ_s321.00000°,δ83.00000°,λ156.00000°. Principal axes: T Plg22.0000°,Azm276.0000°; N Plg65.0000°,Azm125.0000°; P Plg11.0000° ,Azm10.0000°

ISC	**VII**	**21 15 26 15.4–1.6**	**33.0N–.10**	**133.77E–.07**	**28–8**		**11**	**1-1**
NIED	VII	21 15 26 00	33.00N	133.80E	5	3.3W		¶11747107
ISCJB	VII	21 15 26 15.4–1.6	33.0N–.10	133.78E–.07	29–7	3.3W		
JMA	VII	21 15 26 16.3	32.99N	133.77E	30–2	3.5		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s141.00000°,δ72.00000°,λ-146.00000°. NP2:ϕ_s39.00000°,δ58.00000°,λ-22.00000°. $M_0$1.02000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=18.6km s-min=7.5km az=161.2.
JMA Event type fe.

ISC	**IX**	**18 22 23 31.7–.29**	**33.78N–.03**	**132.30E–.04**	**54–3**	**3.8b**	**58**	**0-83**
NIED	IX	18 22 23 00	33.80N	132.30E	56	3.8W		¶11747777
ISCJB	IX	18 22 23 30.5–.28	33.78N–.03	132.30E–.04	63–3	3.8b		
JMA	IX	18 22 23 31.8	33.78N	132.31E	52–1	3.8		
IDC	IX	18 22 23 31.8–1.0	33.81N	132.03E	54–9	3.5,3.4		
NEIC	IX	18 22 23 32.3–.64	33.82N	132.21E	59–6	4.1b,3.4		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s177.00000°,δ62.00000°,λ-73.00000°. NP2:ϕ_s323.00000°,δ33.00000°,λ-119.00000°. $M_0$4.95000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=4.4km az=176.1.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s316.00000°,δ31.00000°,λ-120.00000°. NP2:ϕ_s170.00000°,δ64.00000°,λ-73.00000°. Principal axes: T Plg17.0000°,Azm248.0000°; N Plg15.0000°,Azm343.0000°; P Plg67.0000° ,Azm111.0000°
IDC Error ellipse: s-maj=29.0km s-min=15.7km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=5.8km az=130.0. Recorded [2 JMA] in Hiroshima and [1 JMA] in Yamaguchi, Honshu. Also recorded [1 JMA] in Oita, Kyushu and Ehime, Shikoku.

JMA	**IX**	**21 07 44 27.0–.10**	**32.27N**	**132.16E**	**17–2**	**3.9**		
NIED	IX	21 07 44 00	32.30N	132.20E	20	3.7W		¶11747805

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ79.00000°,λ87.00000°. NP2:ϕ_s211.00000°,δ11.00000°,λ104.00000°. $M_0$4.45000×10^{14}

ISC	**X**	**18 15 10 32.5–2.1**	**32.04N–.04**	**132.48E–.04**	**17–14**	**3.5b**	**23**	**1-84**
ISCJB	X	18 15 10 31.7–1.2	32.00N–.05	132.52E–.05	24–8	3.5b		¶12068983
JMA	X	18 15 10 33.1–.10	32.05N	132.48E	28–3	3.4		
IDC	X	18 15 10 35.1–.83	32.02N	132.35E	37–7	3.5,3.3b		

ISCJB Error ellipse: s-maj=9.8km s-min=5.6km az=150.3.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=32.4km s-min=17.3km az=79.0.

ISC	**X**	**26 11 12 20.5–.54**	**33.46N–.04**	**132.27E–.05**	**48–6**	**3.6b**	**21**	**0-57**
NIED	X	26 11 12 00	33.50N	132.30E	47	3.6W		¶11749468
IDC	X	26 11 12 15.3–1.7	33.21N	132.21E	0	3.7,3.5b		
ISCJB	X	26 11 12 19.2–.56	33.47N–.04	132.26E–.06	57–5	3.6b,3.5b		
JMA	X	26 11 12 20.3	33.48N	132.28E	49	3.6,3.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s176.00000°,δ49.00000°,λ-69.00000°. NP2:ϕ_s325.00000°,δ46.00000°,λ-112.00000°. $M_0$3.14000×10^{14}
IDC Error ellipse: s-maj=45.4km s-min=30.8km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=6.8km az=174.2.
JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s334.00000°,δ38.00000°,λ-112.00000°. NP2:ϕ_s180.00000°,δ55.00000°,λ-74.00000°. Principal axes: T Plg9.0000°,Azm259.0000°; N Plg13.0000°,Azm351.0000°; P Plg74.0000° ,Azm135.0000°

ISC	**X**	**30 07 47 21.0–1.1**	**32.60N–.07**	**132.27E–.04**	**20–10**	**3.7b**	**26**	**1-84**
NIED	X	30 07 47 00	32.70N	132.20E	29	3.8W		¶11749683
IDC	X	30 07 47 18.4–1.3	32.43N	132.48E	0	3.9,3.8s		
NEIC	X	30 07 47 21.9	32.66N	132.23E	37	3.6,3.8s		
JMA	X	30 07 47 21.8	32.66N	132.23E	37–1	3.6,3.8s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ69.00000°,λ-91.00000°. NP2:ϕ_s52.00000°,δ21.00000°,λ-86.00000°. $M_0$5.36000×10^{14}
IDC Error ellipse: s-maj=48.8km s-min=24.0km az=101.0.
NEIC Event type se. After JMA.
JMA Event type fe.

JMA	**XI**	**24 00 41 02.8**	**33.62N**	**134.46E**	**34**	**3.9**		
NIED	XI	24 00 41 00	33.60N	134.50E	20	3.5W		¶11751108

JMA Event type fe. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s144.00000°,δ71.00000°,λ-175.00000°. NP2:ϕ_s53.00000°,δ85.00000°,λ-19.00000°. Principal axes: T Plg10.0000°,Azm100.0000°; N Plg70.0000°,Azm219.0000°; P Plg17.0000° ,Azm7.0000°
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s145.00000°,δ87.00000°,λ172.00000°. NP2:ϕ_s235.00000°,δ82.00000°,λ3.00000°. $M_0$2.37000×10^{14}

(237) Southeast of Shikoku.

ISC	**VII**	**18 21 35 54.7–.60**	**32.70N–.10**	**136.2E–.10**	**455–6**	**3.2b**	**30**	**1-71**
ISCJB	VII	18 21 35 53.4–.61	32.64N–.10	136.2E–.10	461–6	3.2b		¶11811976
JMA	VII	18 21 35 53.5–.20	32.51N	136.29E	453	3.4		
NEIC	VII	18 21 35 54.2–.78	32.64N	136.14E	451–10	3.4		
IDC	VII	18 21 35 54.1–1.1	32.64N	136.18E	449–15	3.0,2.9b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=11.9km az=136.5.
JMA Error ellipse: s-maj=5.6km s-min=2.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=13.7km az=92.0.
IDC Error ellipse: s-maj=22.4km s-min=14.1km az=84.0.

ISC	**X**	**11 07 17 03.7–2.1**	**31.75N–.04**	**133.32E–.09**	**28–16**	**3.8b**	**37**	**1-84**
IDC	X	11 07 16 59.6–.82	31.57N	133.35E	0	3.9,3.8b		¶11748534
NIED	X	11 07 17 00	31.70N	133.30E	5	3.8W,3.8b		
ISCJB	X	11 07 17 02.5–.57	31.70N–.04	133.34E–.09	33	3.8b,3.8b		
JMA	X	11 07 17 03.4–.10	31.73N	133.26E	45	3.8,3.8b		
NEIC	X	11 07 17 04.8–.51	31.55N	133.25E	35	4.2b,3.8b		

ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=16.7km az=69.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ63.00000°,λ-81.00000°. NP2:ϕ_s15.00000°,δ28.00000°,λ-107.00000°. $M_0$5.52000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=5.3km az=170.8.
JMA Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=9.4km az=61.0.

(238) Ryukyu Islands.

ISC	**VII**	**03 11 04 54.2–1.2**	**27.32N–.04**	**130.23E–.03**	**12–7**	**4.5b,3.8s**	**110**	**1-91**
NIED	VII	03 11 04 00	27.30N	130.30E	5	4.3W,3.8s		¶11479833
BJI	VII	03 11 04 51.1	27.22N	130.50E	26	4.4b,4.4b		
IDC	VII	03 11 04 52.3–.76	27.41N	130.26E	0	4.4,4.3b		
ISCJB	VII	03 11 04 53.9–.95	27.30N–.03	130.29E–.03	24–6	4.5b,3.8s		
JMA	VII	03 11 04 54.0–.10	27.31N	130.34E	77–4	4.1,3.8s		
MOS	VII	03 11 04 55.6–.94	27.36N	130.33E	33	4.6b,3.8s		
NEIC	VII	03 11 04 57.8–.54	27.31N	130.19E	35	4.7b,4.2W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s223.00000°,δ50.00000°,λ-92.00000°. NP2:ϕ_s46.00000°,δ40.00000°,λ-87.00000°. $M_0$2.73000×10^{15}
IDC Error ellipse: s-maj=24.6km s-min=16.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=144.1.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=16.1km s-min=9.2km az=111.4.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.9km az=144.0. Moment Tensor Solution. $M_0$2.70000×10^{15}

ISC	**VII**	**08 07 42 11.9–.06**	**27.56N–.01**	**128.37E–.01**	**50**	**6.0b,5.6s**	**1840**	**1-175**
NIED	VII	08 07 42 00	27.50N	128.50E	53	6.0W,5.6s		¶13388476
BJI	VII	08 07 42 04.0	27.18N	128.95E	43	5.9b,5.7s		
MOS	VII	08 07 42 08.0–1.0	27.57N	128.43E	33	6.2b,5.9s		
JMA	VII	08 07 42 10.5–.10	27.47N	128.55E	45–2	6.1,5.9s		
ISCJB	VII	08 07 42 10.3–.06	27.55N–.01	128.34E–.01	48	6.0b,5.6s		
IDC	VII	08 07 42 10.9–.41	27.55N	128.37E	46–3	5.6b,5.5		
NEIC	VII	08 07 42 10.7–.10	27.53N	128.33E	43	6.0b,6.0W		
SZGRF	VII	08 07 42 11.5	27.53N	128.88E	58	6.4b,6.3s		
TEH	VII	08 07 42 12.0	27.52N	128.39E	49	6.4b,6.3s		
DJA	VII	08 07 42 12	27.72N	128.58E	68	6.4W,6.3s		
GCMT	VII	08 07 42 13.5–.10	27.31N	128.65E	51–0	6.0W,6.3s		
BGS	VII	08 07 42 14.7–1.4	28.24N	127.17E	40–0	5.8s,5.5b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ80.00000°,λ85.00000°. NP2:ϕ_s248.00000°,δ11.00000°,λ116.00000°. $M_0$1.05000×10^{18}
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=113.2.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=139.6.
IDC Error ellipse: s-maj=11.5km s-min=9.5km az=86.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.6km az=162.0. Felt [V] at Ishikawa; [IV] at Chatan, Ginowan, Gushikawa and Okinawa; [III] at Nago, Naha and Yomitan. Also felt at Itoman, Nishihara and Urasoe. Recorded [5L JMA] on Yoron-jima; [4 JMA] on Okinawa and Okino-erabu-shima; [3 JMA] on Tokuno-shima; [2 JMA] on Amami-oshima and Kikaiga-shima; [1 JMA] on Kume-jima and Nakano-shima. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s94 Moment tensor: Scale 10^{18}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.47 $M_{\theta\phi}$-0.63 $M_{\phi r}$0.51 Best double couple: NP1:ϕ_s43.00000°,δ61.00000°,λ89.00000°. NP2:ϕ_s224.00000°,δ29.00000°,λ91.00000°. Principal axes: T 1.2600,Plg73.0000°,Azm311.0000° ; N 0.1000,Plg0.0000°,Azm43.0000°; P -1.3600,Plg16.0000°,Azm133.0000° $M_0$1.30000×10^{18} Moment Tensor Solution. $M_0$1.10000×10^{18}
SZGRF Ryukyu Islands, Japan.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=122, comp=266, per= 50. Moment Tensor Solution. s114,c256; s78,c114; Moment tensor: Scale 10^{18}Nm; M_{rr}1.05±.01 $M_{\theta\theta}$-0.40±.01; $M_{\phi\phi}$-0.65±.01; $M_{r\theta}$0.32±.01; $M_{\theta\phi}$-0.56±.01; $M_{\phi r}$0.33±.01; Best double couple: NP1:ϕ_s216.00000°,δ34.00000°,λ86.00000°. NP2:ϕ_s41.00000°,δ57.00000°,λ92.00000°. Principal axes: T 1.1500,Plg78.0000°,Azm319.0000°; N 0.0500,Plg2.0000°,Azm219.0000° ; P -1.1900,Plg12.0000°,Azm129.0000° $M_0$1.20000×10^{18}
BGS Error ellipse: s-maj=226.3km s-min=439.5km az=-1.0.

ISC	**VII**	**08 14 34 20.4–.43**	**29.51N–.03**	**130.58E–.04**	**46–4**	**4.5b,4.1s**	**100**	**1-99**
NIED	VII	08 14 34 00	29.50N	130.70E	29	4.6W,4.1s		¶11479903
MOS	VII	08 14 34 16.8–1.0	29.45N	130.57E	33	4.8b,4.1s		
BJI	VII	08 14 34 16.8	29.24N	130.94E	60	4.5b,4.4b		
JMA	VII	08 14 34 18.7	29.48N	130.67E	58–3	4.0,4.4b		
ISCJB	VII	08 14 34 19.0–.45	29.49N–.03	130.66E–.05	54–3	4.5b,4.1s		
NEIC	VII	08 14 34 21.8–1.0	29.60N	130.62E	60–9	4.7b,4.6W		
IDC	VII	08 14 34 21.5–3.3	29.51N	130.54E	56–30	3.9s,3.9		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ84.00000°,λ76.00000°. NP2:ϕ_s269.00000°,δ15.00000°,λ157.00000°. $M_0$9.90000×10^{15}
MOS Error ellipse: s-maj=14.4km s-min=8.5km az=102.6.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.7km az=28.5.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.8km az=122.0. Moment Tensor Solution. $M_0$9.90000×10^{15}
IDC Error ellipse: s-maj=26.1km s-min=14.8km az=60.0.

ISC	**VII**	**14 05 20 50.4–.46**	**26.81N–.09**	**126.42E–.08**	**130–10**	**3.8b**	**35**	**1-79**
IDC	VII	14 05 20 26.1–3.8	25.16N	126.47E	0	4.1b,4.1		¶12698207
ISCJB	VII	14 05 20 49.5–.44	26.79N–.09	126.43E–.08	135–10	3.8b,4.1		
JMA	VII	14 05 20 50.8–.20	26.89N	126.41E	123–3	3.6,4.1		

IDC Error ellipse: s-maj=83.4km s-min=44.7km az=5.0.
ISCJB Error ellipse: s-maj=18.3km s-min=4.0km az=142.2.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.

ISC	**VII**	**16 02 12 16.5–.35**	**27.49N–.05**	**128.44E–.07**	**45–5**	**4.0b,3.6s**	**51**	**1-83**
NIED	VII	16 02 12 00	27.40N	128.50E	44	4.0W,3.6s		¶11747029
ISCJB	VII	16 02 12 15.6–.34	27.49N–.05	128.45E–.07	55–5	4.0b,3.6s		
NEIC	VII	16 02 12 15.0–6.2	27.51N	128.46E	34–42	4.2b,3.6s		
JMA	VII	16 02 12 16.5–.10	27.42N	128.53E	43–3	4.2,3.6s		
IDC	VII	16 02 12 21.5–4.0	27.51N	128.42E	94–36	3.7,3.6		

ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ67.00000°,λ90.00000°. NP2:ϕ_s223.00000°,δ23.00000°,λ91.00000°. $M_0$1.17000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=12.9km s-min=3.9km az=39.9.
NEIC Event type fe. Error ellipse: s-maj=19.7km s-min=9.8km az=69.0. Recorded [2 JMA] on Tokuno-shima and [1 JMA] on Okinawa and Okino-erabu-shima.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=30.9km s-min=17.0km az=73.0.

ISC	**VII**	**16 18 58 27.7–.30**	**26.17N–.05**	**126.60E–.04**	**69–4**	**3.9b**	**51**	**0-79**
NIED	VII	16 18 58 00	26.20N	126.60E	62	3.9W		**¶11747039**
ISCJB	VII	16 18 58 26.8–.30	26.14N–.04	126.62E–.04	76–4	3.9b		
JMA	VII	16 18 58 27.4	26.18N	126.56E	64–1	3.7		
NEIC	VII	16 18 58 28.9–2.3	26.12N	126.55E	82–20	4.4b		
IDC	VII	16 18 58 30.9–4.2	26.12N	126.53E	99–39	3.7,3.6		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s156.00000°,δ67.00000°,λ-27.00000°. NP2:ϕ_s258.00000°,δ65.00000°,λ-154.00000°. $M_0$7.22000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=3.8km az=141.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=7.2km az=67.0.
IDC Error ellipse: s-maj=32.6km s-min=13.0km az=69.0.

JMA	**VII**	**16 19 59 28.6–.20**	**28.65N**	**129.47E**	**4**	**3.5**		
								¶13508151

JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.

JMA	**VII**	**17 07 49 48.5–.20**	**28.20N**	**129.93E**	**24–2**	**3.7**		
NIED	VII	17 07 49 00	28.20N	129.90E	11	3.8W		**¶11747042**

JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s283.00000°,δ49.00000°,λ-117.00000°. NP2:ϕ_s140.00000°,δ48.00000°,λ-63.00000°. $M_0$4.84000×10^{14}

ISC	**VII**	**23 10 49 03.5–1.2**	**25.20N–.04**	**128.02E–.04**	**23–8**	**4.0b,3.6s**	**59**	**1-91**
IDC	VII	23 10 48 59.9–.79	25.16N	128.06E	0	4.2,4.1		**¶11480096**
NIED	VII	23 10 49 00	25.20N	128.00E	32	4.1W,4.1		
BJI	VII	23 10 49 00.0	25.18N	128.15E	12	4.4b,4.3b		
ISCJB	VII	23 10 49 01.9–1.2	25.14N–.04	128.05E–.04	27–8	4.0b,3.6s		
NEIC	VII	23 10 49 01.9–.60	25.17N	128.06E	10	4.3b,3.6s		
JMA	VII	23 10 49 03.3–.20	25.19N	128.04E	67–4	3.8,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=18.1km az=68.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s313.00000°,δ83.00000°,λ-22.00000°. NP2:ϕ_s46.00000°,δ68.00000°,λ-173.00000°. $M_0$1.38000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.2km az=138.9.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=13.8km az=168.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC	**VII**	**28 12 13 38.1–.27**	**25.22N–.02**	**128.06E–.04**	**33**	**4.6b,3.9s**	**148**	**1-91**
NIED	VII	28 12 13 00	25.20N	128.10E	5	4.6W,3.9s		**¶11153864**
MOS	VII	28 12 13 34.8–1.3	25.13N	128.18E	26	4.7b,3.9s		
ISCJB	VII	28 12 13 35.9–.26	25.18N–.02	128.10E–.03	32	4.6b,3.9s		
JMA	VII	28 12 13 35.8–.20	25.18N	128.05E	62–4	4.0,3.9s		
IDC	VII	28 12 13 37.9–.63	25.15N	128.12E	34–4	4.1,4.1		
NEIC	VII	28 12 13 37.8–.34	25.09N	128.08E	34	4.8b,4.6W		
BJI	VII	28 12 13 41.4	25.34N	127.57E	35	4.7b,4.5b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s231.00000°,δ57.00000°,λ-69.00000°. NP2:ϕ_s15.00000°,δ39.00000°,λ-119.00000°. $M_0$9.53000×10^{15}
MOS Error ellipse: s-maj=11.8km s-min=6.9km az=104.8.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.2km az=14.4.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=17.5km s-min=13.3km az=83.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=7.2km az=110.0. Moment Tensor Solution. $M_0$9.50000×10^{15}

ISC	**VII**	**28 16 41 35.3–1.3**	**25.20N–.04**	**128.00E–.05**	**22–8**	**4.0b,3.5s**	**73**	**1-92**
NIED	VII	28 16 41 00	25.20N	128.10E	5	4.1W,3.5s		**¶11480165**
IDC	VII	28 16 41 31.5–.78	25.07N	127.99E	0	4.0,3.9		
MOS	VII	28 16 41 33.2–1.1	25.11N	127.94E	21	4.1b,3.9		
ISCJB	VII	28 16 41 33.6–1.3	25.15N–.04	128.07E–.05	26–8	4.0b,3.5s		
JMA	VII	28 16 41 34.5–.20	25.17N	128.05E	65	3.7,3.5s		
BJI	VII	28 16 41 35.0	25.04N	128.18E	38	4.8b,4.2b		
NEIC	VII	28 16 41 36.7–.62	25.00N	127.89E	35	4.3b,4.2b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ63.00000°,λ-86.00000°. NP2:ϕ_s32.00000°,δ28.00000°,λ-97.00000°. $M_0$1.78000×10^{15}
IDC Error ellipse: s-maj=26.2km s-min=17.9km az=74.0.
MOS Error ellipse: s-maj=22.2km s-min=11.3km az=100.9.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.5km az=39.5.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=13.4km az=119.0.

ISC	**VII**	**28 23 07 26.4–.41**	**25.21N–.03**	**127.96E–.04**	**42**	**4.1b**	**81**	**1-80**
NIED	VII	28 23 07 00	25.20N	128.10E	8	4.1W		**¶13390342**
ISCJB	VII	28 23 07 24.2–.41	25.15N–.03	128.02E–.04	40	4.1b		
MOS	VII	28 23 07 24.1–.82	25.12N	127.90E	33	4.3b		
JMA	VII	28 23 07 24.1–.20	25.17N	128.05E	66–4	4.1		
BJI	VII	28 23 07 26.3	25.34N	128.10E	35	4.6b,4.2b		
NEIC	VII	28 23 07 26.5–.36	25.03N	127.72E	35	4.3b,4.2b		
IDC	VII	28 23 07 26.7–.87	25.17N	127.97E	38–6	3.8,3.7b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s244.00000°,δ55.00000°,λ-84.00000°. NP2:ϕ_s54.00000°,δ36.00000°,λ-98.00000°. $M_0$1.80000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.7km az=31.8.
MOS Error ellipse: s-maj=36.4km s-min=9.9km az=119.5.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.5km az=67.0.
IDC Error ellipse: s-maj=38.9km s-min=13.2km az=65.0.

ISC	**VII**	**29 05 20 35.5–1.4**	**25.17N–.03**	**128.02E–.04**	**27–10**	**3.9b,3.4s**	**53**	**1-80**
NIED	VII	29 05 20 00	25.20N	128.00E	5	4.0W,3.4s		**¶13390359**
ISCJB	VII	29 05 20 33.6–1.6	25.12N–.03	128.06E–.04	28–13	3.9b,3.4s		
MOS	VII	29 05 20 34.6–1.1	25.24N	128.11E	33	4.1b,3.4s		
JMA	VII	29 05 20 35.1–.20	25.16N	128.04E	64	3.6,3.4s		
NEIC	VII	29 05 20 36.8–.57	25.11N	127.91E	35	4.5b,3.9W		
IDC	VII	29 05 20 37.4–.89	25.20N	128.10E	37–5	3.8,3.7		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s14.00000°,δ50.00000°,λ58.00000°. NP2:ϕ_s239.00000°,δ50.00000°,λ123.00000°. $M_0$9.90000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.3km az=24.9.
MOS Error ellipse: s-maj=26.2km s-min=12.5km az=98.7.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.2km az=103.0. Moment Tensor Solution. $M_0$9.90000×10^{14}
IDC Error ellipse: s-maj=27.9km s-min=17.8km az=65.0.

ISC	**VII**	**29 21 58 14.4–1.3**	**28.30N–.04**	**128.18E–.06**	**2–10**	**3.9b**	**36**	**1-68**
NIED	VII	29 21 58 00	28.30N	128.20E	8	4.1W		**¶11747203**
JMA	VII	29 21 58 13.8–.50	28.31N	128.17E	1–4	3.9		
IDC	VII	29 21 58 16.8–1.5	27.98N	127.30E	0	3.7b,3.6		
NEIC	VII	29 21 58 17.8–2.4	27.64N	127.37E	28–18	4.0b,3.6		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s285.00000°,δ83.00000°,λ15.00000°. NP2:ϕ_s193.00000°,δ75.00000°,λ173.00000°. $M_0$1.86000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=42.7km s-min=25.7km az=70.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.0km az=131.0.

JMA	**VII**	**30 04 50 29.9–.10**	**26.01N**	**129.52E**	**45**	**3.6**		
								¶13513715

JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.

ISC	**VIII**	**02 04 03 25.4–.12**	**29.29N–.02**	**130.38E–.02**	**37**	**5.2b,4.9s**	**775**	**1-140**
NIED	VIII	02 04 03 00	29.30N	130.40E	35	5.2W,4.9s		**¶13390670**
SZGRF	VIII	02 04 03 18.4	29.40N	132.81E	32	5.4b,5.2s		
BGS	VIII	02 04 03 19.2–1.7	28.28N	130.44E	33–0	5.1b,5.0s		
IDC	VIII	02 04 03 21.3–2.7	29.38N	130.30E	9–16	5.0,5.0		
BJI	VIII	02 04 03 22.6	29.07N	130.70E	50	5.1b,5.0b		
ISCJB	VIII	02 04 03 23.6–.12	29.27N–.02	130.37E–.02	35	5.2b,4.9s		
MOS	VIII	02 04 03 24.6–.85	29.55N	130.21E	33	5.3b,5.2s		
JMA	VIII	02 04 03 25.2	29.30N	130.36E	63–2	5.1,5.2s		
NEIC	VIII	02 04 03 27.7–.62	29.36N	130.28E	55–5	5.2W,5.1b		
GCMT	VIII	02 04 03 27.9–.20	29.18N	130.67E	41–0	5.1W,5.1b		
DJA	VIII	02 04 03 28	29.59N	130.46E	65	5.1b,5.1b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s31.00000°,δ87.00000°,λ77.00000°. NP2:ϕ_s290.00000°,δ13.00000°,λ169.00000°. $M_0$7.37000×10^{16}
SZGRF Southeast of Shikoku, Japan.
BGS Error ellipse: s-maj=417.8km s-min=796.5km az=-1.0.
IDC Error ellipse: s-maj=16.2km s-min=12.4km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.1km az=146.2.
MOS Error ellipse: s-maj=7.7km s-min=4.3km az=115.5.
JMA Event type fe.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=160.0. Recorded [2 JMA] in the Tokara-retto and [1 JMA] on Amami-oshima and Yaku-shima. Moment Tensor Solution. $M_0$7.40000×10^{16}
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s50,c80; s70,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}4.43±.19 $M_{\theta\theta}$-1.97±.13; $M_{\phi\phi}$-2.46±.15; $M_{r\theta}$2.11±.10; $M_{\theta\phi}$-2.19±.08; $M_{\phi r}$1.44±.10; Best double couple: NP1:ϕ_s215.00000°,δ31.00000°,λ78.00000°. NP2:ϕ_s49.00000°,δ60.00000°,λ97.00000°. Principal axes: T 5.1500,Plg74.0000° ,Azm336.0000°; N -0.0800,Plg6.0000°,Azm225.0000°; P -5.0700,Plg15.0000° ,Azm134.0000° $M_0$5.10000×10^{16}

ISC	**VIII**	**03 18 07 10.8–.78**	**25.23N–.02**	**128.03E–.03**	**9–4**	**4.9b,4.3s**	**380**	**1-99**
NIED	VIII	03 18 07 00	25.20N	128.20E	8	4.6W,4.3s		**¶11154139**
BJI	VIII	03 18 07 07.9	25.18N	128.16E	12	4.8b,4.7b		
IDC	VIII	03 18 07 08.8–.51	25.23N	128.09E	0	4.8,4.7		
ISCJB	VIII	03 18 07 09.9–.19	25.22N–.02	128.06E–.02	14	4.9b,4.3s		
NEIC	VIII	03 18 07 10.6–.23	25.21N	128.01E	10	5.0b,4.7s		
JMA	VIII	03 18 07 10.7–.20	25.18N	128.15E	66	5.1,4.7s		
MOS	VIII	03 18 07 12.9–1.2	25.34N	128.10E	33	5.1b,4.7s		
DJA	VIII	03 18 07 28	25.44N	128.53E	203	4.7b,4.7s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ61.00000°,λ-116.00000°. NP2:ϕ_s94.00000°,δ38.00000°,λ-52.00000°. $M_0$7.54000×10^{15}
IDC Error ellipse: s-maj=18.0km s-min=12.5km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.8km az=145.3.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.0km az=159.0. Moment Tensor Solution. $M_0$7.50000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=9.0km s-min=4.7km az=111.9.

ISC	**VIII**	**03 20 12 50.0–.43**	**25.26N–.03**	**128.02E–.04**	**35**	**3.9b,3.4s**	**61**	**1-89**
NIED	VIII	03 20 12 00	25.20N	128.10E	8	3.8W,3.4s		**¶11652787**
IDC	VIII	03 20 12 45.2–.80	25.22N	128.09E	0	4.0,4.0		
NEIC	VIII	03 20 12 46.7–.46	25.16N	127.96E	10	4.5b,3.8W		
ISCJB	VIII	03 20 12 47.7–.41	25.20N–.03	128.08E–.04	33	3.9b,3.4s		
JMA	VIII	03 20 12 48.4–.20	25.24N	128.07E	65–4	3.7,3.4s		
BJI	VIII	03 20 12 49.0	25.36N	128.14E	42	4.6b,4.1b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ66.00000°,λ-138.00000°. NP2:ϕ_s300.00000°,δ53.00000°,λ-31.00000°. $M_0$6.44000×10^{14}
IDC Error ellipse: s-maj=28.4km s-min=17.2km az=74.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.4km az=142.0. Moment Tensor Solution. $M_0$6.40000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.6km az=40.1.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC	**VIII**	**04 10 25 56.3–.12**	**26.92N–.02**	**126.43E–.02**	**27**	**5.0s,4.9b**	**465**	**1-113**
NIED	VIII	04 10 25 00	27.00N	126.50E	8	5.2W,4.9b		**¶11154158**
JMA	VIII	04 10 25 51.3–.30	26.97N	126.54E	11–3	5.4,4.9b		
IDC	VIII	04 10 25 51.5–.53	26.87N	126.44E	0	4.8s,4.8		
ISCJB	VIII	04 10 25 54.5–.12	26.91N–.02	126.39E–.02	26	5.0s,4.9b		
BJI	VIII	04 10 25 54.6	27.06N	126.31E	20	5.3s,5.2L		
MOS	VIII	04 10 25 55.6–1.5	26.85N	126.10E	33	5.2b,4.8s		
GCMT	VIII	04 10 25 56.0–.10	26.91N	126.50E	13–0	5.3W,4.8s		
NEIC	VIII	04 10 25 58.0–.24	27.08N	126.17E	25	5.2W,5.1b		
DJA	VIII	04 10 26 33	26.94N	126.75E	489	4.7b,5.1b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s10.00000°,δ68.00000°,λ-156.00000°. NP2:ϕ_s271.00000°,δ68.00000°,λ-23.00000°. $M_0$8.18000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=12.6km az=81.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.5km az=141.2.
MOS Error ellipse: s-maj=9.0km s-min=5.4km az=104.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c107; s94,c174; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s4.00000°,δ73.00000°,λ-180.00000°. NP2:ϕ_s274.00000° ,δ90.00000°,λ-17.00000°. Principal axes: T 1.1000,Plg12.0000°,Azm320.0000° ; N -0.2100,Plg73.0000°,Azm93.0000°; P -0.9000,Plg12.0000°,Azm227.0000° $M_0$1.00000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=7.8km s-min=4.3km az=145.0. Recorded [2 JMA] on Kume-jima and Okinawa; [1 JMA] on Aguni-jima. Moment Tensor Solution. $M_0$8.20000×10^{16}

JMA	**VIII**	**04 10 29 01.8–.20**	**26.94N**	**126.54E**	**11–3**	**4.6**		
								¶13515658

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

JMA	**VIII**	**04 10 30 03.2–.30**	**26.97N**	**126.50E**	**11–5**	**3.6**		
								¶13515659

JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC	**VIII**	**04 16 12 28.3–.52**	**26.96N–.04**	**126.60E–.04**	**10**	**3.3b,3.2s**	**28**	**1-51**
NIED	VIII	04 16 12 00	27.00N	126.60E	5	4.2W,3.2s		**¶11747282**
ISCJB	VIII	04 16 12 27.3–.52	26.98N–.04	126.57E–.03	10	3.3b,3.2s		
JMA	VIII	04 16 12 27.0–.30	26.99N	126.55E	10–3	3.7,3.2s		
NEIC	VIII	04 16 12 29.1–1.5	27.21N	126.67E	10	4.0,3.2s		
IDC	VIII	04 16 12 30.5–1.6	26.57N	125.19E	0	3.4b,3.4		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s13.00000°,δ67.00000°,λ-139.00000°. NP2:ϕ_s265.00000°,δ53.00000°,λ-29.00000°. $M_0$1.93000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.2km az=7.5.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=16.1km az=109.0.
IDC Error ellipse: s-maj=54.0km s-min=22.5km az=79.0.

ISC	**VIII**	**05 01 00 45.1–.71**	**26.92N–.02**	**126.60E–.02**	**10–4**	**4.9s,4.8b**	**373**	**1-163**
NIED	VIII	05 01 00 00	27.00N	126.50E	8	5.1W,4.8b		**¶11154175**
JMA	VIII	05 01 00 43.0–.20	26.98N	126.51E	14–3	5.2,4.8b		
IDC	VIII	05 01 00 43.8–.53	26.82N	126.29E	0	4.7s,4.7		
ISCJB	VIII	05 01 00 44.5–.95	26.94N–.02	126.53E–.02	14–6	4.9s,4.8b		
NEIC	VIII	05 01 00 46.6–.20	26.99N	126.48E	16	5.1W,5.0b		
MOS	VIII	05 01 00 47.4–1.1	26.91N	126.23E	33	5.1s,5.1b		
GCMT	VIII	05 01 00 47.4–.20	26.90N	126.49E	12	5.2W,5.1b		
BJI	VIII	05 01 00 48.9	27.01N	126.42E	43	5.2s,5.1		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s271.00000°,δ71.00000°,λ-32.00000°. NP2:ϕ_s12.00000°,δ60.00000°,λ-158.00000°. $M_0$5.83000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=19.1km s-min=13.1km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.9km az=11.1.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.3km az=139.0. Recorded [1 JMA] on Kume-jima. Moment Tensor Solution. $M_0$5.80000×10^{16}
MOS Error ellipse: s-maj=10.7km s-min=6.4km az=115.1.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s44,c62; s88,c159; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.46±.13 $M_{\theta\theta}$2.05±.12; $M_{\phi\phi}$-0.59±.13; $M_{r\theta}$2.36±.35; $M_{\theta\phi}$5.94±.10; $M_{\phi r}$-1.02±.36; Best double couple: NP1:ϕ_s9.00000°,δ66.00000°,λ-168.00000°. NP2:ϕ_s273.00000°,δ79.00000°,λ-24.00000°. Principal axes: T 6.9900,Plg9.0000° ,Azm323.0000°; N -0.5800,Plg63.0000°,Azm70.0000°; P -6.4200,Plg25.0000° ,Azm229.0000° $M_0$6.70000×10^{16}

ISC	**VIII**	**05 01 31 46.2–1.3**	**26.93N–.07**	**126.59E–.05**	**12–9**	**3.6b**	**17**	**1-49**
IDC	VIII	05 01 31 33.2–30	25.72N	127.36E	0	3.8,3.8		**¶13515964**
JMA	VIII	05 01 31 45.1–.30	26.95N	126.53E	10	3.3,3.8		
ISCJB	VIII	05 01 31 46.2–2.5	26.95N–.05	126.53E–.06	15–17	3.6b,3.8		
JMA	**VIII**	**05 13 48 02.9–.10**	**29.18N**	**129.56E**	**36–3**	**3.6**		
NIED	VIII	05 13 48 00	29.20N	129.60E	8	3.5W		**¶11747292**

JMA Error ellipse: s-maj=1.1km s-min=4.9km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s330.00000°,δ49.00000°,λ-75.00000°. NP2:ϕ_s128.00000°,δ44.00000°,λ-106.00000°. $M_0$2.35000×10^{14}

ISC	**VIII**	**07 00 04 25.3–.69**	**29.05N–.05**	**130.2E–.10**	**49–8**	**3.7b**	**19**	**1-71**

IDC VIII 07 00 04 13.7–4.0 28.22N 130.22E 0 3.8,3.8 ¶12580948
JMA VIII 07 00 04 23.8–.20 29.05N 130.05E 74–4 3.3,3.8
ISCJB VIII 07 00 04 24.5–.68 29.04N–.05 130.2E–.10 59–7 3.7b,3.8
JMA VIII 07 05 54 20.5–.10 26.33N 129.63E 44 3.5
¶13516799
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VIII 07 13 15 59.4–.78 28.53N–.05 129.54E–.08 19–7 3.7b 29 0-78
ISCJB VIII 07 13 15 58.9–.54 28.52N–.05 129.55E–.07 27–6 3.7b ¶11907887
NEIC VIII 07 13 15 59.1 28.52N 129.51E 21 4.0b
JMA VIII 07 13 15 59.1 28.52N 129.51E 21–1 4.0
IDC VIII 07 13 16 10.2–4.1 28.61N 129.62E 118–35 3.5,3.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=12.5km s-min=5.9km az=37.1.
NEIC Event type se. After JMA.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=33.2km s-min=21.9km az=68.0.
ISC VIII 08 12 18 36.3–.70 29.70N–.05 130.52E–.08 43–8 4.0b 21 1-60
NIED VIII 08 12 18 00 29.70N 130.60E 35 4.0W ¶11747334
IDC VIII 08 12 18 28.4–4.0 29.28N 130.38E 0 3.9b,3.8
NEIC VIII 08 12 18 34.9 29.67N 130.60E 41 3.5,3.8
JMA VIII 08 12 18 34.8–.10 29.67N 130.60E 41–3 3.5,3.8
ISCJB VIII 08 12 18 35.3–.69 29.69N–.05 130.53E–.09 52–6 4.0b,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s66.00000°,δ77.00000°,λ83.00000°. NP2:ϕ_s276.00000°,δ15.00000°,λ119.00000°. $M_0$1.18000×10^{15}
NEIC Event type se. After JMA.
ISCJB Event type se.
ISC VIII 09 11 54 20.2–.60 26.50N–.02 128.58E–.02 27–4 5.0s,4.9b 414 0-107
NIED VIII 09 11 54 00 26.50N 128.90E 20 5.2W,4.9b ¶11160937
IDC VIII 09 11 54 15.3–.63 26.65N 128.60E 0 4.7,4.7s
BJI VIII 09 11 54 16.3 26.35N 128.84E 35 5.1s,4.9b
JMA VIII 09 11 54 16.6–.20 26.49N 128.88E 17–2 5.2,4.9b
ISCJB VIII 09 11 54 17.8–.63 26.51N–.02 128.64E–.03 23–4 5.0s,4.9b
NEIC VIII 09 11 54 19.7–.96 26.49N 128.52E 25–6 5.1W,5.0b
MOS VIII 09 11 54 19.5–1.4 26.59N 128.60E 33 5.2s,5.1b
GCMT VIII 09 11 54 22.3–.20 26.44N 128.77E 25 5.2W,5.1b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s48.00000°,δ70.00000°,λ100.00000°. NP2:ϕ_s201.00000°,δ22.00000°,λ65.00000°. $M_0$5.98000×10^{16}
IDC Error ellipse: s-maj=18.3km s-min=15.8km az=52.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=139.4.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=5.7km az=159.0. Felt on Okinawa. Recorded [2 JMA] in the Iheya-retto and on Okinawa and Yoron-jima. Moment Tensor Solution. $M_0$6.00000×10^{16}
MOS Error ellipse: s-maj=8.7km s-min=4.9km az=112.6.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s50,c70; s74,c128; Moment tensor: Scale 10^{16}Nm; M_{rr}3.39±.15 $M_{\theta\theta}$-1.30±.11; $M_{\phi\phi}$-2.10±.12; $M_{r\theta}$5.42±.24; $M_{\theta\phi}$-2.42±.08; $M_{\phi r}$5.18±.24; Best double couple: NP1:ϕ_s212.00000°,δ14.00000°,λ76.00000°. NP2:ϕ_s46.00000°,δ77.00000°,λ93.00000°. Principal axes: T 8.0400,Plg58.0000° ,Azm320.0000°; N 0.7100,Plg3.0000°,Azm225.0000°; P -8.7600,Plg32.0000°,Azm133.0000° $M_0$8.40000×10^{16}
JMA VIII 11 01 41 44.9–.30 26.96N 126.56E 7–4 3.8
NIED VIII 11 01 41 00 27.00N 126.60E 5 3.7W ¶11747356
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s80.00000°,δ71.00000°,λ-60.00000°. NP2:ϕ_s200.00000°,δ35.00000°,λ-145.00000°. $M_0$4.36000×10^{14}
ISC VIII 13 16 19 07.7–2.0 26.24N–.04 129.69E–.04 32–18 3.5b 31 1-50
NIED VIII 13 16 19 00 26.20N 129.80E 5 3.8W ¶11747386
ISCJB VIII 13 16 19 06.0–1.9 26.21N–.04 129.71E–.04 27–17 3.5b
IDC VIII 13 16 19 06.0–3.5 26.08N 129.53E 0 3.7,3.5b
JMA VIII 13 16 19 06.6–.10 26.21N 129.76E 46 4.2,3.5b
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s36.00000°,δ52.00000°,λ-101.00000°. NP2:ϕ_s234.00000°,δ40.00000°,λ-76.00000°. $M_0$4.92000×10^{14}
ISCJB Error ellipse: s-maj=6.8km s-min=5.4km az=172.0.
IDC Error ellipse: s-maj=198.8km s-min=22.6km az=66.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
JMA VIII 15 02 47 17.1–.10 26.94N 129.98E 75 3.6
NIED VIII 15 02 47 00 26.90N 130.00E 5 4.2W ¶11747406
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s46.00000°,δ45.00000°,λ-88.00000°. NP2:ϕ_s223.00000°,δ45.00000°,λ-92.00000°. $M_0$2.18000×10^{15}
ISC VIII 15 17 23 59.8–1.1 25.18N–.03 128.03E–.04 21–8 4.0b 68 1-80
IDC VIII 15 17 23 57.1–.73 25.16N 128.05E 0 4.0b,4.0 ¶11747414
ISCJB VIII 15 17 23 58.2–1.1 25.14N–.03 128.07E–.04 25–8 4.0b,4.0
NIED VIII 15 17 24 00 25.20N 128.10E 11 4.0W,4.0
JMA VIII 15 17 24 00.2–.20 25.21N 128.10E 69–4 4.1,4.0
NEIC VIII 15 17 24 01.0–4.4 25.09N 127.89E 24–31 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=14.9km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.9km az=44.6.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s272.00000°,δ62.00000°,λ-82.00000°. NP2:ϕ_s76.00000°,δ29.00000°,λ-104.00000°. $M_0$1.02000×10^{15}
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=9.7km az=77.0.
ISC VIII 17 09 57 22.5–.37 26.60N–.06 126.36E–.06 114–5 3.6b 43 0-79
ISCJB VIII 17 09 57 21.4–.38 26.60N–.06 126.37E–.06 120–5 3.6b ¶12581151
JMA VIII 17 09 57 23.2–.20 26.60N 126.38E 113–2 3.3
IDC VIII 17 09 57 26.5–4.5 26.66N 126.36E 152–42 3.4,3.3b
ISCJB Error ellipse: s-maj=13.0km s-min=3.6km az=142.3.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=31.5km s-min=18.4km az=74.0.
ISC VIII 18 13 38 54.5–.56 25.67N–.04 128.80E–.04 35 3.7b 34 1-49
NIED VIII 18 13 38 00 25.70N 128.90E 8 3.8W ¶11747441
IDC VIII 18 13 38 50.2–3.3 25.97N 129.24E 0 3.9,3.7b
ISCJB VIII 18 13 38 53.1–.53 25.65N–.04 128.82E–.03 33 3.7b,3.7b
JMA VIII 18 13 38 53.9–.30 25.69N 128.85E 49 3.9,3.7b
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s213.00000°,δ67.00000°,λ-94.00000°. NP2:ϕ_s44.00000°,δ24.00000°,λ-80.00000°. $M_0$6.02000×10^{14}
IDC Error ellipse: s-maj=185.2km s-min=22.2km az=66.0.
ISCJB Error ellipse: s-maj=5.4km s-min=3.9km az=150.4.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VIII 19 02 43 34.1–.49 26.52N–.08 126.29E–.07 109–7 3.7b 32 0-65
ISCJB VIII 19 02 43 33.1–.49 26.51N–.08 126.31E–.07 115–7 3.7b ¶12581188
JMA VIII 19 02 43 34.9–.20 26.53N 126.32E 106–2 3.3
IDC VIII 19 02 44 10.3–14 26.38N 125.75E 509–191 3.0,2.8b
ISCJB Error ellipse: s-maj=16.4km s-min=4.2km az=143.4.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=65.5km s-min=23.4km az=75.0.
ISC VIII 19 04 17 49.0–1.2 25.19N–.03 128.07E–.05 13–7 4.2b,3.5s 62 1-82
NIED VIII 19 04 17 00 25.20N 128.10E 5 4.3W,3.5s ¶11652994
ISCJB VIII 19 04 17 47.9–1.1 25.12N–.04 128.12E–.05 19–7 4.2b,3.5s
IDC VIII 19 04 17 47.2–.68 25.08N 128.01E 0 4.3,4.2
JMA VIII 19 04 17 50.2–.10 25.21N 128.14E 59–3 4.0,4.2
BJI VIII 19 04 17 54.2 25.46N 127.77E 31 4.5b,4.4b
NEIC VIII 19 04 17 55.6–1.5 24.96N 127.67E 61–14 4.2b,4.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s246.00000°,δ79.00000°,λ-86.00000°. NP2:ϕ_s46.00000°,δ11.00000°,λ-109.00000°. $M_0$2.79000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.0km az=36.8.
IDC Error ellipse: s-maj=33.6km s-min=13.4km az=72.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=12.0km az=88.0.
JMA VIII 20 08 14 19.4–.30 25.67N 128.75E 53 3.9
NIED VIII 20 08 14 00 25.70N 128.70E 11 3.7W ¶11747457
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s228.00000°,δ78.00000°,λ-134.00000°. NP2:ϕ_s126.00000°,δ45.00000°,λ-16.00000°. $M_0$3.98000×10^{14}
ISC VIII 26 20 51 28.8–.60 29.10N–.04 130.14E–.09 45–7 3.6b 27 1-71
IDC VIII 26 20 51 21.6–1.4 29.25N 130.52E 0 3.7,3.7b ¶12581444
ISCJB VIII 26 20 51 28.0–.56 29.10N–.04 130.10E–.09 56–6 3.6b,3.7b
JMA VIII 26 20 51 28.1–.10 29.10N 130.13E 52–4 3.2,3.7b
IDC Error ellipse: s-maj=45.5km s-min=19.6km az=80.0.
ISCJB Error ellipse: s-maj=14.0km s-min=4.4km az=20.2.
ISC IX 05 12 20 04.5–.69 28.35N–.04 130.01E–.07 25–3 3.6b 32 0-78
NIED IX 05 12 20 00 28.40N 130.00E 11 3.9W ¶11747623
IDC IX 05 12 20 02.1–.94 28.06N 128.33E 0 3.8,3.7
ISCJB IX 05 12 20 03.9–.59 28.34N–.04 130.04E–.07 33 3.6b,3.7
JMA IX 05 12 20 03.5–.10 28.36N 130.05E 28–1 3.7,3.7
NEIC IX 05 12 20 03.6 28.36N 130.05E 28 3.7,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ83.00000°,λ94.00000°. NP2:ϕ_s215.00000°,δ8.00000°,λ58.00000°. $M_0$8.65000×10^{14}
IDC Error ellipse: s-maj=54.7km s-min=19.2km az=77.0.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=3.5km az=32.6.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type se. After JMA.
ISC IX 06 21 05 37.7–.61 29.17N–.04 130.1E–.10 47–8 3.5b 18 1-71
IDC IX 06 21 05 29.5–3.2 29.50N 131.02E 0 3.6,3.5b ¶11909636
ISCJB IX 06 21 05 36.9–.59 29.17N–.05 130.1E–.10 58–7 3.5b,3.5b
JMA IX 06 21 05 36.5–.10 29.19N 130.07E 63–3 2.9,3.5b
IDC Error ellipse: s-maj=194.9km s-min=22.6km az=69.0.
ISCJB Error ellipse: s-maj=17.9km s-min=5.1km az=18.9.
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
JMA IX 12 12 43 16.8–.20 25.30N 128.17E 62–4 3.2
IDC IX 12 12 43 12.8–2.8 25.30N 128.15E 0 3.8,3.6b ¶11910103
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=170.4km s-min=26.3km az=66.0.
JMA IX 13 13 52 55.9–.10 28.70N 129.47E 3 3.5
¶14100124
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC IX 13 15 18 23.6–.70 28.91N–.04 129.8E–.10 23–7 3.4b 21 1-61
NIED IX 13 15 18 00 28.90N 129.70E 20 3.8W ¶11747725
IDC IX 13 15 18 21.0–1.1 28.59N 130.20E 0 3.8,3.5
ISCJB IX 13 15 18 23.6–.48 28.87N–.04 129.9E–.10 41–9 3.4b,3.5
JMA IX 13 15 18 23.3–.10 28.89N 129.75E 38 3.6,3.5
NEIC IX 13 15 18 25.9–.81 28.68N 130.21E 40 3.6,3.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s328.00000°,δ60.00000°,λ-90.00000°. NP2:ϕ_s148.00000°,δ30.00000°,λ-90.00000°. $M_0$5.17000×10^{14}
IDC Error ellipse: s-maj=44.1km s-min=20.7km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=5.0km az=13.9.
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=12.1km az=112.0.
ISC IX 13 20 21 36.4–.28 29.04N–.02 130.15E–.03 50–2 5.0s,4.9b 375 1-167
NIED IX 13 20 21 00 29.00N 129.90E 38 5.3W,4.9b ¶13394289
BJI IX 13 20 21 29.6 28.74N 130.58E 45 5.2b,5.0s
MOS IX 13 20 21 32.8–1.1 29.10N 130.08E 33 5.1b,4.9s
IDC IX 13 20 21 32.3–3.3 29.07N 130.09E 19–20 4.8,4.8s
DJA IX 13 20 21 33 29.10N 130.30E 20 5.1b,4.8s
JMA IX 13 20 21 33.4–.30 29.02N 129.86E 82–4 5.1,4.8s
SZGRF IX 13 20 21 33.3 28.97N 130.82E 33 5.5s,5.3b
ISCJB IX 13 20 21 34.6–.32 29.02N–.02 130.18E–.03 49–2 5.0s,4.9b
NEIC IX 13 20 21 35.3–.56 29.08N 130.08E 40–5 5.3W,4.9b
GCMT IX 13 20 21 39.2–.10 28.90N 130.21E 38–0 5.3W,4.9b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ66.00000°,λ94.00000°. NP2:ϕ_s228.00000°,δ24.00000°,λ81.00000°. $M_0$1.03000×10^{17}
MOS Error ellipse: s-maj=8.5km s-min=5.6km az=108.8.
IDC Error ellipse: s-maj=15.8km s-min=12.8km az=86.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
SZGRF Ryukyu Islands, Japan.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.6km az=27.8.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=142.0. Recorded [3 JMA] on Amami-oshima; [2 JMA] on Akuseki-jima, Kikaiga-shima and Toku-no-shima; [1 JMA] on Nakano-shima. Moment Tensor Solution. $M_0$1.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s81,c148; s92,c168; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s212.00000°,δ34.00000°,λ74.00000°. NP2:ϕ_s50.00000° ,δ57.00000°,λ100.00000°. Principal axes: T 1.0700,Plg75.0000°,Azm350.0000° ; N 0.0700,Plg9.0000°,Azm225.0000°; P -1.1400,Plg12.0000°,Azm133.0000° $M_0$1.10000×10^{17}
ISC IX 13 20 47 35.0–.49 28.99N–.04 130.12E–.07 48–5 3.8b 39 1-77
NIED IX 13 20 47 00 29.00N 130.00E 32 4.1W ¶11747727
IDC IX 13 20 47 28.3–.83 29.03N 130.03E 0 3.9,3.8
ISCJB IX 13 20 47 33.7–.50 28.98N–.04 130.15E–.07 57–4 3.8b,3.8
JMA IX 13 20 47 33.6–.30 29.01N 130.00E 67–4 4.0,3.8
NEIC IX 13 20 47 35.2–.81 29.00N 130.16E 52–8 4.1b,3.8
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ77.00000°,λ66.00000°. NP2:ϕ_s293.00000°,δ27.00000°,λ149.00000°. $M_0$1.47000×10^{15}
IDC Error ellipse: s-maj=29.8km s-min=19.1km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=11.6km s-min=4.5km az=21.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.7km az=122.0.
JMA IX 14 16 04 57.9–.30 25.77N 128.71E 49 3.6
¶14100587
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC IX 15 13 10 36.5–.41 28.02N–.06 129.09E–.08 49–6 3.6b 32 0-91
IDC IX 15 13 10 31.3–1.1 27.69N 129.40E 0 3.9,3.7b ¶11910330
NEIC IX 15 13 10 32.8–8.2 27.71N 129.51E 8–53 3.7,3.7b
ISCJB IX 15 13 10 35.6–.41 28.02N–.05 129.10E–.08 57–6 3.6b,3.7b
JMA IX 15 13 10 35.6–.10 28.14N 128.98E 49–2 3.4,3.7b
ISC Event type fe.
IDC Error ellipse: s-maj=56.3km s-min=21.6km az=85.0.
NEIC Event type se. Error ellipse: s-maj=34.0km s-min=13.6km az=109.0.
ISCJB Event type fe. Error ellipse: s-maj=13.8km s-min=3.7km az=37.6.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC IX 16 03 19 58.4–.82 29.63N–.08 130.0E–.20 34–10 4.2b 16 0-61
NIED IX 16 03 19 00 29.60N 130.10E 8 4.0W ¶11747748
ISCJB IX 16 03 19 57.5–1.4 29.59N–.08 130.1E–.20 31–15 4.2b
IDC IX 16 03 19 57.0–1.4 29.32N 130.41E 0 4.4,4.1b
JMA IX 16 03 19 57.6–.10 29.60N 130.09E 30–3 4.0,4.1b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s302.00000°,δ53.00000°,λ-91.00000°. NP2:ϕ_s124.00000°,δ37.00000°,λ-89.00000°. $M_0$1.07000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=34.1km s-min=6.4km az=21.5.
IDC Error ellipse: s-maj=69.3km s-min=21.2km az=98.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC IX 19 10 01 44.6–1.4 28.24N–.06 128.18E–.06 0–11 17 1-8
NIED IX 19 10 01 00 28.30N 128.20E 5 4.0W ¶11747781
BJI IX 19 10 01 42.4 28.08N 128.52E 20 4.4b,4.1b
JMA IX 19 10 01 43.8–.60 28.30N 128.17E 1–5 3.7,4.1b
NEIC IX 19 10 01 43.9 28.30N 128.17E 1 3.7,4.1b
ISCJB IX 19 10 01 45.0–2.6 28.29N–.06 128.14E–.05 15–23 3.7,4.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s64.00000°,δ60.00000°,λ-80.00000°. NP2:ϕ_s225.00000°,δ31.00000°,λ-107.00000°. $M_0$1.22000×10^{15}
NEIC Event type se. After JMA.
ISCJB Event type se.
ISC IX 19 19 27 52.6–1.1 26.38N–.03 128.86E–.03 16–6 4.4b,3.8s 169 1-88
NIED IX 19 19 27 00 26.40N 129.00E 8 4.4W,3.8s ¶11280410
IDC IX 19 19 27 50.8–.71 26.47N 128.80E 0 4.3,4.2b
ISCJB IX 19 19 27 51.6–.69 26.33N–.03 128.92E–.03 23–4 4.4b,3.8s
BJI IX 19 19 27 51.4 26.15N 128.74E 16 4.6b,4.4b
NEIC IX 19 19 27 51.6–2.2 26.27N 128.75E 12–12 4.6b,4.4W
JMA IX 19 19 27 52.4–.20 26.38N 128.96E 32–3 4.4,4.4W
MOS IX 19 19 27 54.1–1.2 26.42N 128.76E 33 4.7b,4.4W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s49.00000°,δ71.00000°,λ100.00000°. NP2:ϕ_s201.00000°,δ22.00000°,λ64.00000°. $M_0$4.95000×10^{15}
IDC Error ellipse: s-maj=22.4km s-min=12.8km az=55.0.

ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.6km az=146.7.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.6km az=128.0. Moment Tensor Solution. $M_0$5.00000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
MOS Error ellipse: s-maj=12.3km s-min=6.8km az=110.2.
JMA IX 19 19 29 09.5–.20 26.37N 128.97E 32–4 3.8
NIED IX 19 19 29 00 26.40N 129.00E 11 4.2W **¶11747786**
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ59.00000°,λ98.00000°. NP2:ϕ_s207.00000°,δ32.00000°,λ77.00000°. $M_0$2.01000×10^{15}
ISC IX 23 00 16 41.7–.28 28.77N–.03 129.29E–.05 75–4 3.8b 64 0-92
NIED IX 23 00 16 00 28.80N 129.10E 74 4.0W **¶11747829**
ISCJB IX 23 00 16 40.6–.29 28.77N–.03 129.27E–.05 81–4 3.8b
JMA IX 23 00 16 41.5–.10 28.85N 129.13E 39–4 4.3
IDC IX 23 00 16 42.0–1.5 28.77N 129.24E 89–15 3.8,3.7
NEIC IX 23 00 16 42.2–.53 28.72N 129.19E 75–6 4.1b,3.7
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s106.00000°,δ55.00000°,λ-116.00000°. NP2:ϕ_s327.00000°,δ43.00000°,λ-57.00000°. $M_0$1.13000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.3km s-min=3.5km az=30.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=21.9km s-min=12.4km az=96.0.
NEIC Event type fe. Error ellipse: s-maj=7.7km s-min=4.8km az=114.0. Recorded [1 JMA] on Amami-oshima.
JMA IX 23 01 36 53.8–.30 28.32N 128.18E 5–3 3.5
NIED IX 23 01 36 00 28.30N 128.20E 5 3.8W **¶11747830**
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ66.00000°,λ-97.00000°. NP2:ϕ_s249.00000°,δ25.00000°,λ-74.00000°. $M_0$5.26000×10^{14}
JMA IX 27 21 15 49.1–.20 27.67N 127.50E 114–4 3.5
¶14105216
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC IX 28 19 38 07.8–1.1 25.68N–.05 126.22E–.04 28–8 4.6b,3.8s 164 1-90
BJI IX 28 19 38 00.7 25.48N 126.75E 12 4.6b,4.4s **¶11747902**
NIED IX 28 19 38 00 25.70N 126.20E 26 4.3W,4.4s
IDC IX 28 19 38 01.8–.84 25.57N 126.27E 0 4.4,4.3
MOS IX 28 19 38 05.9–1.1 25.58N 126.29E 33 4.8b,4.3
NEIC IX 28 19 38 05.4–2.3 25.56N 126.33E 21–16 4.8b,4.2W
ISCJB IX 28 19 38 07.4–1.3 25.79N–.05 126.14E–.04 33–10 4.6b,3.8s
JMA IX 28 19 38 07.4–.10 25.71N 126.18E 74–3 4.3,3.8s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s56.00000°,δ65.00000°,λ72.00000°. NP2:ϕ_s273.00000°,δ30.00000°,λ123.00000°. $M_0$2.94000×10^{15}
IDC Error ellipse: s-maj=21.0km s-min=19.8km az=155.0.
MOS Error ellipse: s-maj=12.1km s-min=6.7km az=116.5.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.3km az=147.0. Moment Tensor Solution. $M_0$2.90000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=3.7km az=141.2.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC IX 29 01 47 57.3–.64 25.6N–.10 126.3E–.10 53–10 3.7b 17 1-76
JMA IX 29 01 47 55.9–.10 25.73N 126.14E 75 3.2 **¶11911312**
ISCJB IX 29 01 47 56.5–.68 25.5N–.10 126.4E–.10 61–8 3.7b
IDC IX 29 01 48 28.1–9.8 25.82N 125.25E 297–102 3.2,3.1b
JMA Error ellipse: s-maj=4.4km s-min=5.0km az=-1.0.
ISCJB Error ellipse: s-maj=27.4km s-min=6.0km az=137.2.
IDC Error ellipse: s-maj=112.8km s-min=20.2km az=65.0.
ISC IX 30 12 50 36.3–1.1 27.32N–.04 129.62E–.04 26–9 3.5b,3.4s 27 1-79
IDC IX 30 12 50 34.4–5.1 27.26N 128.99E 0 3.6,3.4 **¶11911453**
ISCJB IX 30 12 50 36.4–.59 27.31N–.04 129.62E–.04 36–10 3.5b,3.4s
JMA IX 30 12 50 36.2–.20 27.30N 129.61E 34 3.4,3.4s
NEIC IX 30 12 50 40.2–.77 26.48N 127.37E 10 3.4,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=266.1km s-min=26.3km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.2km az=43.4.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=17.2km az=174.0.
JMA X 01 14 39 02.9–.20 26.14N 127.70E 21–1 2.3
¶14106622
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
JMA X 01 21 48 14.2–.20 28.67N 128.80E 27–4 3.8
¶14106732
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
JMA X 13 04 45 38.9 28.69N 129.55E 18–2 3.5
¶14110777
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 16 05 53 33.1–.48 27.93N–.07 128.9E–.10 47–7 3.7b 26 0-72
NIED X 16 05 53 00 28.00N 128.80E 35 3.8W **¶11748898**
ISCJB X 16 05 53 32.3–.48 27.95N–.07 128.9E–.10 53–7 3.7b
JMA X 16 05 53 32.6–.10 28.01N 128.80E 39–2 3.7
IDC X 16 05 53 33.2–3.1 27.92N 129.00E 54–27 3.6,3.5b
NEIC X 16 05 53 35.5–1.1 27.78N 128.64E 68–15 3.7,3.5b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ60.00000°,λ102.00000°. NP2:ϕ_s194.00000°,δ32.00000°,λ70.00000°. $M_0$4.82000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=18.6km s-min=5.3km az=36.3.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=42.9km s-min=17.4km az=93.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=13.8km az=112.0.
ISC X 16 17 54 57.6–1.0 27.45N–.04 129.56E–.04 21–8 4.2b 52 1-79
NIED X 16 17 54 00 27.50N 129.50E 20 3.9W **¶13397276**
IDC X 16 17 54 54.7–1.0 27.60N 129.46E 0 3.9,3.8b
ISCJB X 16 17 54 57.4–.00 27.46N–.04 129.57E–.05 31–7 4.2b,3.8b
JMA X 16 17 54 58.4–.20 27.47N 129.48E 30 3.7,3.8b
NEIC X 16 17 55 00.3–1.1 27.53N 129.40E 36–10 3.7,3.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s37.00000°,δ67.00000°,λ94.00000°. NP2:ϕ_s207.00000°,δ23.00000°,λ81.00000°. $M_0$8.96000×10^{14}
IDC Error ellipse: s-maj=27.5km s-min=18.0km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.7km az=37.5.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.9km az=110.0.
ISC X 18 07 50 37.7–.44 26.05N–.06 126.80E–.06 48–5 3.9b 30 0-76
ISCJB X 18 07 50 36.8–.43 26.06N–.07 126.78E–.06 55–5 3.9b **¶12068962**
JMA X 18 07 50 36.6–.10 26.10N 126.76E 62–1 3.2
IDC X 18 07 51 00.6–13 26.88N 126.42E 210–126 3.4,3.4
ISCJB Error ellipse: s-maj=13.2km s-min=4.6km az=143.5.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=95.1km s-min=16.9km az=65.0.
ISC X 22 00 39 29.3–.36 28.82N–.02 130.10E–.04 46–2 5.0b,4.1s 515 1-159
NIED X 22 00 39 00 28.80N 130.10E 38 5.0W,4.1s **¶13397757**
BJI X 22 00 39 21.7 28.54N 130.59E 33 4.9b,4.7b
IDC X 22 00 39 22.7–.49 28.88N 130.06E 0 4.7,4.7b
SZGRF X 22 00 39 22.4 29.36N 131.16E 33 5.3b,4.5s
MOS X 22 00 39 26.1–.98 28.88N 130.14E 33 5.2b,4.1s
ISCJB X 22 00 39 28.9–.34 28.85N–.02 130.01E–.03 52–2 5.0b,4.1s
JMA X 22 00 39 28.1–.20 28.81N 130.11E 65–3 4.7,4.1s
NEIC X 22 00 39 28.4–.55 28.85N 130.04E 38–5 5.2b,5.0W
TEH X 22 00 39 30.0 28.95N 129.74E 33 5.2b,5.0W
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s198.00000°,δ83.00000°,λ-98.00000°. NP2:ϕ_s68.00000°,δ11.00000°,λ-41.00000°. $M_0$3.57000×10^{16}
IDC Error ellipse: s-maj=14.8km s-min=12.6km az=78.0.
SZGRF Southeast of Ryukyu Islands, Japan.
MOS Error ellipse: s-maj=9.3km s-min=4.4km az=122.7.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.0km az=28.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.4km az=142.0. Recorded [2 JMA] on Amami-oshima and [1 JMA] on Akuseki-jima. Moment Tensor Solution. $M_0$3.60000×10^{16}
JMA X 26 09 43 34.1–.20 29.56N 130.14E 21–4 3.6
NIED X 26 09 43 00 29.60N 130.10E 5 3.7W **¶11749464**
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s297.00000°,δ64.00000°,λ-76.00000°. NP2:ϕ_s88.00000°,δ29.00000°,λ-116.00000°. $M_0$4.71000×10^{14}
JMA X 27 15 50 36.5–.10 27.75N 128.41E 66–2 3.6
¶14115718
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC XI 03 21 38 28.4–.66 29.28N–.04 130.42E–.09 46–6 3.9b 43 1-77
NIED XI 03 21 38 00 29.30N 130.60E 35 4.3W **¶11749980**
JMA XI 03 21 38 26.0–.20 29.29N 130.58E 20–3 4.1
ISCJB XI 03 21 38 27.6–.65 29.28N–.04 130.44E–.09 56–5 3.9b
NEIC XI 03 21 38 28.8–1.1 29.26N 130.30E 46–10 4.1b
IDC XI 03 21 38 30.0–1.3 29.23N 130.24E 55–8 3.7,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s210.00000°,δ65.00000°,λ-68.00000°. NP2:ϕ_s347.00000°,δ33.00000°,λ-129.00000°. $M_0$3.48000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=5.3km az=13.3.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=8.8km az=96.0.
IDC Error ellipse: s-maj=51.7km s-min=13.4km az=71.0.
ISC XI 03 21 54 16.2–.62 29.32N–.03 130.45E–.08 47–6 3.8b 50 1-87
NIED XI 03 21 54 00 29.30N 130.60E 29 4.2W **¶14118260**
JMA XI 03 21 54 14.5–.20 29.29N 130.57E 29–5 4.2
ISCJB XI 03 21 54 15.4–.59 29.32N–.03 130.43E–.08 58–5 3.8b
IDC XI 03 21 54 15.7–.84 29.35N 130.43E 42–8 3.7,3.6
NEIC XI 03 21 54 16.2–.94 29.34N 130.35E 44–8 4.3b,3.6
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s218.00000°,δ61.00000°,λ-68.00000°. NP2:ϕ_s358.00000°,δ36.00000°,λ-124.00000°. $M_0$2.39000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=4.6km az=15.9.
IDC Error ellipse: s-maj=27.7km s-min=15.5km az=82.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.9km az=95.0.
ISC XI 03 22 02 43.1–.56 29.30N–.03 130.44E–.06 41–5 4.0b 72 1-99
NIED XI 03 22 02 00 29.30N 130.60E 26 4.1W **¶11749982**
JMA XI 03 22 02 41.3–.10 29.30N 130.55E 24 4.1
ISCJB XI 03 22 02 42.1–.55 29.29N–.03 130.42E–.06 50–4 4.0b
NEIC XI 03 22 02 42.9–.97 29.32N 130.40E 39–9 4.4b
IDC XI 03 22 02 43.9–.83 29.31N 130.36E 48–7 3.8,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s214.00000°,δ63.00000°,λ-53.00000°. NP2:ϕ_s335.00000°,δ44.00000°,λ-140.00000°. $M_0$1.53000×10^{15}
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.6km az=20.8.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.7km az=78.0.
IDC Error ellipse: s-maj=19.2km s-min=11.4km az=95.0.
JMA XI 05 20 26 04.0–.10 28.61N 129.39E 25–1 3.5
NIED XI 05 20 26 00 28.60N 129.40E 26 3.5W **¶11750113**
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s128.00000°,δ71.00000°,λ-54.00000°. NP2:ϕ_s242.00000°,δ40.00000°,λ-150.00000°. $M_0$2.16000×10^{14}
JMA XI 08 19 18 03.4–.20 28.85N 128.87E 113–4 3.6
¶14119878
JMA Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
ISC XI 09 14 24 16.4–1.6 27.60N–.05 127.51E–.06 13–9 3.6b 17 1-51
IDC XI 09 14 24 13.7–3.9 27.84N 128.02E 0 3.8,3.6 **¶12072960**
JMA XI 09 14 24 15.1–.40 27.66N 127.46E 11–4 3.1,3.6
ISCJB XI 09 14 24 16.1–1.5 27.65N–.06 127.49E–.07 19–10 3.6b,3.6
ISC XI 10 00 23 05.2–.53 29.25N–.03 130.40E–.07 47–5 3.9b,3.4s 58 1-90
IDC XI 10 00 22 59.4–1.0 29.33N 130.37E 0 4.0,4.0b **¶11750357**
NIED XI 10 00 23 00 29.20N 130.40E 38 4.3W,4.0b
ISCJB XI 10 00 23 04.3–.52 29.25N–.03 130.39E–.08 58–4 3.9b,3.4s
JMA XI 10 00 23 04.0 29.25N 130.39E 66–3 3.6,3.4s
NEIC XI 10 00 23 05.3–1.1 29.29N 130.28E 41–9 3.9b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=17.2km az=76.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ82.00000°,λ59.00000°. NP2:ϕ_s281.00000°,δ31.00000°,λ165.00000°. $M_0$3.21000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=3.6km az=18.4.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.1km az=101.0.
JMA XI 13 01 59 11.0–.20 29.86N 129.59E 178–2 3.6
¶14121441
JMA Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
ISC XI 13 02 38 38.5–.32 26.26N–.05 126.01E–.05 111–4 3.8b 64 1-84
NIED XI 13 02 38 00 26.30N 126.00E 56 4.0W **¶13399969**
ISCJB XI 13 02 38 37.5–.32 26.24N–.05 126.03E–.05 117–4 3.8b
NEIC XI 13 02 38 38.8–.62 26.30N 126.00E 114–6 3.9b
IDC XI 13 02 38 38.1–2.2 26.30N 126.08E 108–21 3.8,3.7
JMA XI 13 02 38 39.0–.20 26.27N 125.97E 103–3 3.7,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s303.00000°,δ66.00000°,λ144.00000°. NP2:ϕ_s50.00000°,δ57.00000°,λ29.00000°. $M_0$1.29000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=3.8km az=143.1.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=7.8km az=107.0.
IDC Error ellipse: s-maj=23.3km s-min=14.0km az=64.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
JMA XI 14 10 42 41.1–.10 27.98N 130.20E 50–1 3.5
NIED XI 14 10 42 00 28.00N 130.20E 41 3.7W **¶11750595**
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s2.00000°,δ80.00000°,λ156.00000°. NP2:ϕ_s96.00000°,δ67.00000°,λ11.00000°. $M_0$3.36000×10^{14}
ISC XI 15 04 52 58.2–.43 26.13N–.06 126.88E–.06 77–5 3.8b 34 0-72
IDC XI 15 04 52 49.3–13 26.21N 126.98E 0 3.9b,3.9 **¶12073592**
ISCJB XI 15 04 52 57.3–.43 26.15N–.07 126.86E–.06 82–5 3.8b,3.9
JMA XI 15 04 52 58.5–.10 26.11N 126.88E 74–1 3.4,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=384.3km s-min=139.2km az=10.0.
ISCJB Event type fe. Error ellipse: s-maj=13.8km s-min=4.0km az=142.4.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 16 05 00 53.0–.48 27.36N–.03 130.72E–.04 35 4.0b,2.9s 66 1-116
NIED XI 16 05 00 00 27.30N 130.90E 8 4.0W,2.9s **¶13400314**
IDC XI 16 05 00 48.0–.74 27.30N 130.82E 0 4.1L,4.1b
NEIC XI 16 05 00 49.2–4.1 27.28N 130.83E 8–25 4.7b,4.1b
ISCJB XI 16 05 00 50.5–.40 27.31N–.03 130.79E–.03 33 4.0b,2.9s
JMA XI 16 05 00 50.1 27.27N 130.85E 55 4.3,2.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ78.00000°,λ-56.00000°. NP2:ϕ_s165.00000°,δ36.00000°,λ-159.00000°. $M_0$1.32000×10^{15}
IDC Error ellipse: s-maj=22.2km s-min=17.1km az=67.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.2km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.4km az=29.9.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC XI 17 06 03 38.0–.87 26.30N–.04 128.94E–.03 25–6 4.4b 59 1-89
NIED XI 17 06 03 00 26.40N 129.00E 14 4.4W **¶13400403**
IDC XI 17 06 03 36.2–1.4 26.26N 128.60E 0 4.5b,4.4
ISCJB XI 17 06 03 37.1–.87 26.29N–.04 128.95E–.03 28–6 4.4b,4.4
JMA XI 17 06 03 38.4–.20 26.38N 128.96E 35–4 4.3,4.4
NEIC XI 17 06 03 39.9–1.1 26.18N 128.75E 35 4.4b,4.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ54.00000°,λ96.00000°. NP2:ϕ_s190.00000°,δ37.00000°,λ82.00000°. $M_0$4.63000×10^{15}
IDC Error ellipse: s-maj=35.8km s-min=23.1km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.6km az=160.7.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=11.2km az=127.0.
ISC XI 24 06 28 24.3–.44 29.25N–.03 130.50E–.04 43–3 4.6b,3.9s 187 1-115
NIED XI 24 06 28 00 29.30N 130.50E 17 4.5W,3.9s **¶13400996**
BJI XI 24 06 28 18.3 28.85N 130.98E 46 4.8b,4.6b
IDC XI 24 06 28 18.3–.58 29.36N 130.49E 0 4.5,4.4
MOS XI 24 06 28 21.0–1.1 29.23N 130.52E 33 4.7b,4.4
ISCJB XI 24 06 28 22.9–.42 29.23N–.02 130.54E–.04 49–3 4.6b,3.9s
JMA XI 24 06 28 23.1 29.27N 130.47E 65–3 4.4,3.9s
NEIC XI 24 06 28 24.9–.77 29.25N 130.50E 50–7 4.6b,4.5W
ISC Event type fe.

NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ77.00000°,λ80.00000°. NP2:ϕ_s244.00000°,δ16.00000°,λ129.00000°. $M_0$6.46000×10^{15}
IDC Error ellipse: s-maj=19.1km s-min=14.1km az=68.0.
MOS Error ellipse: s-maj=10.9km s-min=6.5km az=108.3.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.5km az=25.2.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=7.2km s-min=6.9km az=118.0. Recorded [2 JMA] on Akuseki-jima and Suwanose-jima. Moment Tensor Solution. $M_0$6.50000×10^{15}

ISC	**XI**	**25 11 23 09.4–.46**	**27.95N–.06**	**127.82E–.08**	**139–5**	**3.9b**	**36**	**1-91**
ISCJB	XI	25 11 23 08.2–.46	27.94N–.06	127.84E–.08	147–5	3.9b		¶12074777
IDC	XI	25 11 23 09.0–.85	28.01N	128.15E	140–7	3.5,3.3b		
JMA	XI	25 11 23 09.6–.20	28.05N	127.72E	125	3.5,3.3b		
NEIC	XI	25 11 23 09.6–1.1	27.98N	128.00E	142–10	3.9b,3.3b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=6.7km az=32.0.
IDC Error ellipse: s-maj=45.8km s-min=14.6km az=85.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=37.2km s-min=12.7km az=83.0.

ISC	**XI**	**26 14 10 36.9–.71**	**29.32N–.04**	**130.47E–.09**	**38–10**	**3.3b**	**29**	**1-49**
ISCJB	XI	26 14 10 36.0–.71	29.32N–.04	130.48E–.09	49–9	3.3b		¶12074901
JMA	XI	26 14 10 36.1–.10	29.34N	130.47E	46	3.2		
NEIC	XI	26 14 10 37.0–1.7	29.28N	130.46E	41–17	3.2		
IDC	XI	26 14 10 45.7–2.3	28.93N	129.58E	105–25	3.1,3.0b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=4.7km az=17.6.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=33.7km s-min=13.5km az=99.0.
IDC Error ellipse: s-maj=36.3km s-min=23.2km az=90.0.

ISC	**XI**	**26 23 43 15.5–.33**	**27.11N–.05**	**127.35E–.05**	**94–4**	**3.8b**	**54**	**1-78**
ISCJB	XI	26 23 43 14.4–.32	27.10N–.05	127.34E–.05	100–4	3.8b		¶12074974
IDC	XI	26 23 43 15.1–1.0	27.13N	127.39E	89–11	3.7,3.5b		
NEIC	XI	26 23 43 15.2–.53	27.13N	127.34E	92–6	4.3b,3.5b		
JMA	XI	26 23 43 16.1–.20	27.13N	127.35E	89–2	3.4,3.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=4.8km az=138.2.
IDC Error ellipse: s-maj=26.7km s-min=15.1km az=65.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.6km az=158.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC	**XII**	**08 22 22 07.9–.40**	**29.17N–.03**	**130.15E–.06**	**47–4**	**4.2b**	**81**	**1-84**
NIED	XII	08 22 22 00	29.20N	130.10E	38	4.3W		¶11751638
ISCJB	XII	08 22 22 06.8–.40	29.16N–.03	130.18E–.06	55–4	4.2b		
JMA	XII	08 22 22 06.6–.10	29.19N	130.09E	65–3	3.7		
IDC	XII	08 22 22 07.9–2.0	29.18N	130.10E	46–19	3.8,3.7		
NEIC	XII	08 22 22 07.7–.51	29.16N	130.14E	46–5	4.6b,4.3W		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ90.00000°,λ87.00000°. NP2:ϕ_s299.00000°,δ3.00000°,λ180.00000°. $M_0$3.66000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=3.6km az=20.1.
JMA Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=20.6km s-min=12.3km az=90.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.4km az=120.0. Moment Tensor Solution. $M_0$3.70000×10^{15}

ISC	**XII**	**11 05 35 18.0–.21**	**27.45N–.02**	**128.04E–.02**	**66–2**	**4.8b**	**608**	**0-130**
NIED	XII	11 05 35 00	27.40N	128.10E	71	4.9W		¶13402457
MOS	XII	11 05 35 12.1–1.0	27.41N	128.07E	33	5.1b		
BJI	XII	11 05 35 13.9	27.14N	128.33E	66	4.8b,4.6b		
IDC	XII	11 05 35 15.5–.50	27.45N	128.12E	51–4	4.5,4.5		
ISCJB	XII	11 05 35 16.8–.23	27.46N–.02	128.01E–.02	66–2	4.8b,4.5		
NEIC	XII	11 05 35 17.4–.18	27.42N	128.08E	64	5.0b,4.8W		
JMA	XII	11 05 35 17.8–.10	27.43N	128.16E	65–1	4.8,4.8W		
SZGRF	XII	11 05 35 20.7	28.08N	126.83E	33	5.4b,4.4s		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s78.00000°,δ85.00000°,λ114.00000°. NP2:ϕ_s179.00000°,δ25.00000°,λ11.00000°. $M_0$2.24000×10^{16}
MOS Error ellipse: s-maj=8.3km s-min=5.0km az=104.7.
IDC Error ellipse: s-maj=15.1km s-min=6.9km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.4km az=139.7.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=4.1km az=141.0. Felt [II] at Chatan, Okinawa. Also felt at Haebaru and Okinawa. Recorded [3 JMA] on Okinawa and [2 JMA] on Okino-erabu-shima, Tokuno-shima and Yoron-jima. Moment Tensor Solution. $M_0$2.20000×10^{16}
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
SZGRF Northwest of Ryukyu Islands, Japan.

ISC	**XII**	**15 05 31 40.7–.13**	**27.57N–.02**	**127.41E–.02**	**137**	**4.7b**	**478**	**1-148**
NIED	XII	15 05 31 00	27.60N	127.50E	116	5.0W		¶12077540
SZGRF	XII	15 05 31 16.9	26.86N	131.22E	33	5.2b		
BJI	XII	15 05 31 33.5	27.20N	127.78E	124	4.9b,4.8b		
MOS	XII	15 05 31 38.4–1.2	27.69N	127.49E	132	4.7b,4.8b		
ISCJB	XII	15 05 31 39.2–.13	27.53N–.02	127.38E–.02	135	4.7b,4.8b		
IDC	XII	15 05 31 39.2–.34	27.65N	127.57E	130–3	4.4,4.3		
JMA	XII	15 05 31 39.8–.20	27.65N	127.52E	122–3	4.6,4.3		
NEIC	XII	15 05 31 40.4–.19	27.63N	127.35E	136	4.9b,4.9W		
GCMT	XII	15 05 31 41.3–.30	27.52N	127.44E	151–3	5.0W,4.9W		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s24.00000°,δ86.00000°,λ-63.00000°. NP2:ϕ_s122.00000°,δ27.00000°,λ-171.00000°. $M_0$3.24000×10^{16}
SZGRF Southeast of Ryukyu Islands, Japan.
MOS Error ellipse: s-maj=8.7km s-min=5.8km az=107.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=163.6.
IDC Error ellipse: s-maj=13.8km s-min=7.1km az=59.0.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.0km az=153.0. Felt at Chatan and Yomitan, Okinawa. Recorded [1 JMA] on Kume-jima, Okinawa and Tokuno-shima. Moment Tensor Solution. $M_0$3.20000×10^{16}
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s30,c34; s69,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.15±.17 $M_{\theta\theta}$0.21±.19; $M_{\phi\phi}$0.94±.22; $M_{r\theta}$-1.89±.12; $M_{\theta\phi}$-0.82±.18; $M_{\phi r}$-3.90±.15; Best double couple: NP1:ϕ_s135.00000°,δ12.00000°,λ-156.00000°. NP2:ϕ_s21.00000°,δ85.00000°,λ-79.00000°. Principal axes: T 4.0100,Plg39.0000°,Azm101.0000°; N 0.9100,Plg11.0000°,Azm200.0000°; P -4.9200,Plg49.0000°,Azm304.0000° $M_0$4.50000×10^{16}

JMA	**XII**	**25 03 30 34.6–.10**	**28.69N**	**129.55E**	**19–2**	**3.5**		
								¶15520127

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**XII**	**27 16 43 19.3–.54**	**25.15N–.06**	**126.73E–.05**	**41–7**	**3.7b**	**55**	**1-80**
NIED	XII	27 16 43 00	25.20N	126.70E	35	3.8W		¶11751851
IDC	XII	27 16 43 14.0–.87	25.13N	126.46E	0	3.9,3.8b		
ISCJB	XII	27 16 43 18.3–.55	25.15N–.06	126.73E–.05	53–6	3.7b,3.8b		
JMA	XII	27 16 43 18.7–.10	25.23N	126.66E	80–3	3.7,3.8b		
NEIC	XII	27 16 43 19.5–1.2	25.19N	126.62E	40–12	3.7,3.8b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s291.00000°,δ80.00000°,λ11.00000°. NP2:ϕ_s199.00000°,δ79.00000°,λ170.00000°. $M_0$6.51000×10^{14}
IDC Error ellipse: s-maj=31.8km s-min=17.9km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=3.6km az=142.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.8km az=142.0.

JMA	**XII**	**28 21 28 51.4–.10**	**27.13N**	**129.96E**	**44**	**3.6**		
NIED	XII	28 21 28 00	27.10N	130.00E	14	3.7W		¶11751863

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s38.00000°,δ54.00000°,λ-105.00000°. NP2:ϕ_s242.00000°,δ38.00000°,λ-71.00000°. $M_0$4.09000×10^{14}

JMA	**XII**	**29 15 58 24.9–.10**	**28.70N**	**129.54E**	**18–2**	**3.6**		
NIED	XII	29 15 58 00	28.70N	129.50E	20	3.6W		¶11751875

JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s281.00000°,δ68.00000°,λ-119.00000°. NP2:ϕ_s157.00000°,δ36.00000°,λ-40.00000°. $M_0$2.65000×10^{14}

(239) Southeast of Ryukyu Islands.

ISC	**VII**	**13 07 45 43.7–.39**	**24.82N–.03**	**127.72E–.03**	**35**	**4.2b**	**71**	**1-92**
NIED	VII	13 07 45 00	24.80N	127.80E	5	4.3W		¶11479973
IDC	VII	13 07 45 38.7–.67	24.69N	127.76E	0	4.1b,4.1		
NEIC	VII	13 07 45 39.1–3.2	24.67N	127.74E	1–20	4.6b,4.3W		
BJI	VII	13 07 45 39.0	24.70N	127.70E	11	4.2b,4.1b		
ISCJB	VII	13 07 45 41.6–.39	24.78N–.03	127.76E–.03	33	4.2b,4.1b		
MOS	VII	13 07 45 41.6–.89	24.70N	127.80E	33	4.6b,4.1b		
JMA	VII	13 07 45 42.1–.20	24.83N	127.82E	68	4.2,4.1b		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s222.00000°,δ73.00000°,λ-80.00000°. NP2:ϕ_s12.00000°,δ20.00000°,λ-118.00000°. $M_0$2.98000×10^{15}
IDC Error ellipse: s-maj=30.2km s-min=12.9km az=72.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.6km az=82.0. Moment Tensor Solution. $M_0$3.00000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=139.4.
MOS Error ellipse: s-maj=23.4km s-min=11.6km az=108.1.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

JMA	**VII**	**18 05 09 05.3**	**26.62N**	**130.20E**	**44**	**3.6**		
NIED	VII	18 05 09 00	26.60N	130.20E	5	3.9W		¶11747049

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s21.00000°,δ73.00000°,λ-133.00000°. NP2:ϕ_s273.00000°,δ45.00000°,λ-24.00000°. $M_0$6.74000×10^{14}

JMA	**VIII**	**16 07 50 03.5**	**26.51N**	**130.14E**	**46**	**3.9**		
								¶13520112

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

ISC	**X**	**17 21 24 00.1–.71**	**25.00N–.04**	**128.56E–.04**	**35**	**3.1b**	**31**	**1-45**
ISCJB	X	17 21 23 59.8–.80	24.96N–.04	128.48E–.05	33	3.1b		¶14112472
JMA	X	17 21 24 00.1–.40	25.04N	128.67E	55	3.5		
IDC	X	17 21 24 03.5–3.1	23.89N	126.53E	0	3.4,3.3b		

ISCJB Error ellipse: s-maj=7.2km s-min=5.1km az=39.5.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=200.6km s-min=27.5km az=66.0.

ISC	**XII**	**25 05 19 11.6–.60**	**26.90N–.04**	**130.45E–.04**	**35**	**3.6b**	**25**	**1-73**
IDC	XII	25 05 19 07.7–1.1	26.91N	130.56E	0	3.8,3.7		¶12078886
ISCJB	XII	25 05 19 10.5–.58	26.89N–.04	130.45E–.04	33	3.6b,3.7		
JMA	XII	25 05 19 10.0–.10	26.91N	130.49E	47	4.0,3.7		

IDC Error ellipse: s-maj=30.4km s-min=25.5km az=68.0.
ISCJB Error ellipse: s-maj=6.2km s-min=5.2km az=36.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.

SEISMIC REGION 21.
Taiwan.

(242) Near coast of southeastern China.

ISC	**VII**	**04 18 34 39.5–1.8**	**26.25N–.07**	**118.49E–.08**	**18–12**	**3.4b**	**21**	**1-52**
IDC	VII	04 18 34 37.2–1.1	26.15N	118.37E	0	3.5,3.4L		¶11479849
BJI	VII	04 18 34 37.4	26.39N	118.56E	16	4.0L,3.4L		
ISCJB	VII	04 18 34 38.3–1.9	26.31N–.07	118.55E–.08	21–16	3.4b,3.4L		
NEIC	VII	04 18 34 38.4–.54	26.15N	118.38E	10	3.5b,3.4L		

ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=20.3km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=7.1km az=44.1.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=7.1km az=50.0.

ISC	**VII**	**05 01 36 24.6–1.5**	**24.60N–.04**	**117.86E–.07**	**14–7**	**3.7b,3.5s**	**60**	**1-50**
ISCJB	VII	05 01 36 24.6–1.3	24.55N–.04	117.87E–.07	24–8	3.7b,3.5s		¶11479854
BJI	VII	05 01 36 24.3	24.60N	117.77E	11	4.8L,4.4b		
IDC	VII	05 01 36 25.2–1.3	24.45N	118.85E	0	4.0L,3.9		
TAP	VII	05 01 36 26.5	24.59N	117.98E	33–0	4.6L,3.9		

ISCJB Error ellipse: s-maj=11.1km s-min=5.8km az=153.1.
IDC Error ellipse: s-maj=42.2km s-min=24.3km az=73.0.
TAP D.

BJI	**VII**	**17 23 10 02.4**	**23.25N**	**117.16E**	**15**	**4.3L**		
								¶11480033

(243) Taiwan region.

ISC	**VII**	**01 10 04 23.2–1.0**	**22.81N–.04**	**121.82E–.06**	**5–8**		**30**	**1-1**
TAP	VII	01 10 04 23.3	22.78N	121.72E	7–1	2.8L		¶13641603

TAP D.

ISC	**VII**	**02 17 21 32.6–.58**	**24.02N–.03**	**122.22E–.02**	**13–4**		**43**	**1-2**
ISCJB	VII	02 17 21 32.3–.86	24.01N–.03	122.23E–.02	10–6			¶13641725
TAP	VII	02 17 21 32.0	24.02N	122.31E	27–0	2.8L		
JMA	VII	02 17 21 34.2–.30	24.14N	122.24E	21	2.3		

ISCJB Error ellipse: s-maj=4.9km s-min=2.8km az=172.1.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.

ISC	**VII**	**02 19 16 43.5–.51**	**22.74N–.02**	**121.91E–.02**	**4–3**		**79**	**1-3**
TAP	VII	02 19 16 44.7	22.74N	121.81E	8–1	3.0L		¶13379204
JMA	VII	02 19 16 47.3–.30	22.82N	121.95E	78	2.6		

TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC	**VII**	**03 04 21 39.1–.56**	**22.04N–.03**	**121.41E–.03**	**6–3**		**95**	**0-4**
ISCJB	VII	03 04 21 38.9–.56	21.99N–.03	121.43E–.03	17–4			¶13379244
TAP	VII	03 04 21 39.3	22.07N	121.35E	14–0	3.8L		
JMA	VII	03 04 21 42.2–.50	22.13N	121.68E	95	3.1		

ISCJB Error ellipse: s-maj=5.2km s-min=4.1km az=172.1.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=8.2km az=-1.0.

ISC	**VII**	**03 16 14 34.1–.24**	**22.86N–.02**	**121.50E–.02**	**40–4**	**3.8b,3.4s**	**164**	**0-80**
NIED	VII	03 16 14 00	22.90N	121.60E	38	4.1W,3.4s		¶11008899
IDC	VII	03 16 14 27.8–.94	22.83N	121.42E	0	3.8,3.7		
BJI	VII	03 16 14 30.6	22.78N	121.40E	19	4.3b,4.3b		
ISCJB	VII	03 16 14 33.2–.24	22.86N–.02	121.53E–.02	47–3	3.8b,3.4s		
NEIC	VII	03 16 14 33.0–1.0	22.83N	121.45E	35–9	4.7L,4.2b		
TAP	VII	03 16 14 33.7	22.91N	121.45E	39–0	4.5L,4.2b		
JMA	VII	03 16 14 35.0–.20	22.91N	121.60E	89	4.0,4.2b		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s29.00000°,δ84.00000°,λ-163.00000°. NP2:ϕ_s297.00000°,δ73.00000°,λ-6.00000°. $M_0$1.35000×10^{15}
IDC Error ellipse: s-maj=26.3km s-min=19.5km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=43.8.
NEIC Event type fe. Error ellipse: s-maj=11.8km s-min=8.5km az=129.0. Recorded [3 TAP] in T'ai-tung and [2 TAP] in Hua-lien.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC	**VII**	**03 21 32 14.2–.80**	**24.06N–.04**	**122.32E–.02**	**14–6**		**37**	**1-2**
ISCJB	VII	03 21 32 14.7–.48	24.07N–.04	122.32E–.02	21–7			¶13379322
TAP	VII	03 21 32 15.1	24.09N	122.28E	23–1	2.7L		
JMA	VII	03 21 32 17.5–.30	24.34N	122.39E	43	2.7L		

ISCJB Error ellipse: s-maj=6.2km s-min=3.2km az=169.0.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.

ISC	**VII**	**04 13 12 40.9–.61**	**23.85N–.03**	**119.14E–.04**	**10–3**		**74**	**0-2**
ISCJB	VII	04 13 12 41.5–.64	23.84N–.03	119.12E–.04	20–4			¶13641848
TAP	VII	04 13 12 41.9	23.86N	119.22E	21–0	3.5L		

ISCJB Error ellipse: s-maj=6.1km s-min=4.3km az=141.5.
TAP C.

ISC	**VII**	**04 17 01 41.9–.51**	**24.13N–.03**	**122.38E–.02**	**29–4**		**61**	**1-3**
ISCJB	VII	04 17 01 42.0–.31	24.12N–.03	122.39E–.02	33			¶13388174
TAP	VII	04 17 01 41.8	24.13N	122.35E	48–0	3.2L		
JMA	VII	04 17 01 42.1–.20	24.23N	122.40E	62–3	2.2		

ISCJB Error ellipse: s-maj=4.5km s-min=2.2km az=178.7.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.

TAP	**VII**	**04 18 09 47.6**	**21.13N**	**121.88E**	**167–0**	**3.7L**		
								¶13641862

TAP C.

ISC	**VII**	**07 22 00 26.8–.80**	**23.93N–.04**	**122.52E–.02**	**11–6**		**35**	**1-2**
ISCJB	VII	07 22 00 26.0–.98	23.92N–.04	122.52E–.02	2–7			¶13388443
TAP	VII	07 22 00 26.8	23.97N	122.64E	52–2	2.7L		
JMA	VII	07 22 00 28.8–.30	24.15N	122.47E	32	1.7		

ISCJB Error ellipse: s-maj=6.7km s-min=3.0km az=175.5.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC	**VII**	**08 08 26 53.8–.72**	**24.39N–.05**	**122.49E–.02**	**67–10**		**43**	**0-2**

ISCJB VII 08 08 26 53.3–.71 24.38N–.05 122.49E–.02 69–9 **¶13388480**
JMA VII 08 08 26 53.3–.20 24.58N 122.54E 75–1
TAP VII 08 08 26 53.6 24.42N 122.45E 70–2 3.2L
ISCJB Error ellipse: s-maj=7.8km s-min=3.8km az=177.4.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP D.
ISC VII 08 16 04 51.6–.47 23.85N–.02 122.07E–.02 22–4 86 0-3
ISCJB VII 08 16 04 51.4–.42 23.84N–.02 122.08E–.02 25–3 **¶13388501**
TAP VII 08 16 04 52.4 23.88N 122.02E 37–0 3.1L
JMA VII 08 16 04 52.7–.40 23.87N 122.10E 62 3.1L
ISCJB Error ellipse: s-maj=3.9km s-min=2.4km az=139.8.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC VII 09 04 08 41.5–.31 24.25N–.02 122.11E–.02 39–12 73 0-2
ISCJB VII 09 04 08 40.9–.35 24.24N–.02 122.11E–.02 45–9 **¶13388529**
TAP VII 09 04 08 40.9 24.27N 122.07E 48–0 3.3L
JMA VII 09 04 08 40.7–.20 24.49N 122.14E 72 2.5
ISCJB Error ellipse: s-maj=4.4km s-min=2.7km az=151.3.
TAP C.
JMA Error ellipse: s-maj=8.9km s-min=2.0km az=-1.0.
ISC VII 09 10 38 04.7–.44 24.37N–.05 122.96E–.02 45–9 48 0-3
ISCJB VII 09 10 38 04.2–.47 24.35N–.05 122.95E–.02 48–8 **¶13388555**
TAP VII 09 10 38 04.3 24.47N 122.85E 84–2 2.9L
JMA VII 09 10 38 05.1–.10 24.38N 123.00E 47–1 2.3
ISCJB Error ellipse: s-maj=8.1km s-min=3.2km az=0.5.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VII 10 17 55 55.4–.60 23.99N–.02 122.36E–.02 12–4 3.3b 81 1-49
IDC VII 10 17 55 51.8–1.9 24.04N 122.20E 0 3.5,3.4b **¶11811189**
NEIC VII 10 17 55 53.0–1.0 23.97N 122.41E 10 3.5,3.4b
ISCJB VII 10 17 55 55.2–.95 23.96N–.02 122.37E–.02 12–7 3.3b,3.4b
TAP VII 10 17 55 56.8 24.01N 122.25E 15–1 3.7L,3.4b
JMA VII 10 17 55 56.6–.20 24.05N 122.35E 37 3.3,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=159.1km s-min=19.9km az=65.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.3km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.5km az=171.2.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC VII 11 03 07 48.7–.58 25.15N–.02 122.27E–.02 20–3 4.8b,4.0s 362 0-167
NIED VII 11 03 07 00 25.10N 121.90E 8 4.6W,4.0s **¶11109045**
IDC VII 11 03 07 44.9–.52 25.15N 122.33E 0 4.6,4.6b
ISCJB VII 11 03 07 47.9–.42 25.18N–.02 122.31E–.02 26–2 4.8b,4.0s
MOS VII 11 03 07 48.9–.99 25.20N 122.27E 33 5.0b,4.0s
BJI VII 11 03 07 48.7 25.31N 122.15E 19 5.0L,4.7b
TAP VII 11 03 07 48.2 25.13N 122.25E 16–0 4.7L,4.7b
NEIC VII 11 03 07 49.9–1.8 25.11N 122.27E 31–12 5.1L,4.8b
SZGRF VII 11 03 07 51.7 25.01N 121.97E 33 4.7b,4.8b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_D68.00000°,δ75.00000°,λ-95.00000°. NP2:ϕ_S268.00000°,δ16.00000°,λ-71.00000°. $M_0$8.60000×10^{15}
IDC Error ellipse: s-maj=18.4km s-min=13.1km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.5km az=21.4.
MOS Error ellipse: s-maj=9.6km s-min=5.3km az=116.9.
TAP C.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=5.3km az=88.0. Recorded [2 TAP] in T'ai-pei and [1 TAP] in I-lan and T'ao-yuan.
SZGRF Taiwan.
ISC VII 11 07 09 27.6–.37 24.28N–.02 122.16E–.02 14–2 106 0-3
NEIC VII 11 07 09 23.2–3.3 24.20N 122.37E 10 3.2 **¶12951209**
ISCJB VII 11 07 09 26.7–.45 24.25N–.02 122.17E–.02 8–2 3.2
TAP VII 11 07 09 27.4 24.26N 122.16E 7–0 3.7L
JMA VII 11 07 09 27.0–.20 25.06N 122.25E 27 3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.7km s-min=15.5km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.3km az=146.6.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VII 11 07 39 28.8–.76 25.12N–.03 122.33E–.04 8–3 3.8b 84 0-78
IDC VII 11 07 39 26.0–1.5 25.05N 121.93E 0 4.1,3.9b **¶13388718**
NEIC VII 11 07 39 27.9–1.1 25.16N 122.35E 10 4.1,3.9b
ISCJB VII 11 07 39 28.8–.76 25.12N–.03 122.32E–.03 9–3 3.8b,3.9b
TAP VII 11 07 39 29.2 25.07N 122.26E 11–0 3.8L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=142.4km s-min=19.3km az=65.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.8km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=5.2km az=22.1.
TAP D.
ISC VII 11 16 17 20.8–.69 23.76N–.04 122.51E–.03 7–4 41 1-2
TAP VII 11 16 17 21.0 23.71N 122.49E 3–2 2.6L **¶13388747**
ISCJB VII 11 16 17 21.3–1.3 23.75N–.04 122.50E–.03 11–10 2.6L
JMA VII 11 16 17 23.0–.20 24.08N 122.37E 57 2.6L
TAP D.
ISCJB Error ellipse: s-maj=6.8km s-min=3.3km az=159.5.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC VII 11 21 35 07.3–.40 21.10N–.01 121.12E–.02 7–2 5.2b,5.2s 736 1-175
NIED VII 11 21 35 00 21.00N 121.30E 14 5.4W,5.2s **¶13388769**
IDC VII 11 21 35 05.0–.38 21.02N 121.16E 0 4.9s,4.9
JMA VII 11 21 35 05.4–.50 21.01N 121.28E 0 5.4,4.9
ISCJB VII 11 21 35 05.8–.42 21.07N–.01 121.14E–.02 9–2 5.2b,5.2s
NEIC VII 11 21 35 06.5–.16 21.02N 121.13E 6 5.5W,5.3b
TAP VII 11 21 35 06.2 20.99N 121.20E 70–0 5.5L,5.3b
BJI VII 11 21 35 07.7 21.29N 120.90E 10 5.5s,5.4b
MOS VII 11 21 35 09.1–1.2 21.03N 121.15E 33 5.5b,5.2s
GCMT VII 11 21 35 10.2–.10 21.06N 121.04E 18–0 5.5W,5.2s
SZGRF VII 11 21 35 13.5 22.51N 122.70E 33 5.6s,5.2b
DJA VII 11 21 35 13 21.05N 121.11E 52 5.8W,5.2b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_D252.00000°,δ80.00000°,λ-154.00000°. NP2:ϕ_S157.00000°,δ64.00000°,λ-11.00000°. $M_0$1.39000×10^{17}
IDC Error ellipse: s-maj=14.0km s-min=10.2km az=64.0.
JMA Error ellipse: s-maj=5.6km s-min=7.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=1.7km az=6.4.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.2km az=79.0. Moment Tensor Solution. s41 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$1.03 $M_{r\theta}$-1.47 $M_{\theta\phi}$-0.30 $M_{\phi r}$-0.58 Best double couple: NP1:ϕ_D47.00000°,δ88.00000°,λ-57.00000°. NP2:ϕ_S140.00000°,δ33.00000°,λ-177.00000°. Principal axes: T 1.3500,Plg34.0000°,Azm108.0000° ; N 0.8000,Plg33.0000°,Azm225.0000°; P -2.1400,Plg37.0000°,Azm346.0000° $M_0$1.90000×10^{17}
TAP C.
MOS Error ellipse: s-maj=7.5km s-min=4.3km az=114.4.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 102 sta. Moment Tensor Solution. s84,c157; s99,c207; Moment tensor: Scale 10^{17}Nm; M_{rr}0.62±.03 $M_{\theta\theta}$0.70±.02; $M_{\phi\phi}$-1.32±.03; $M_{r\theta}$-1.03±.07; $M_{\theta\phi}$-1.56±.02; $M_{\phi r}$0.04±.06; Best double couple: NP1: ϕ_S348.00000°,δ60.00000°,λ17.00000°. NP2:ϕ_S249.00000°,δ75.00000°,λ149.00000°. Principal axes: T 2.1300,Plg32.0000°,Azm205.0000°; N 0.1100,Plg56.0000°,Azm46.0000° ; P -2.2500,Plg10.0000°,Azm301.0000° $M_0$2.20000×10^{17}
SZGRF Taiwan region.
ISC VII 11 21 45 10.3–.56 21.10N–.02 121.09E–.02 5–3 4.8s,4.7b 323 1-170
NIED VII 11 21 45 00 20.90N 121.30E 5 4.8W,4.7b **¶11109072**
TAP VII 11 21 45 07.8 20.91N 121.32E 67–1 5.2L,4.7b
JMA VII 11 21 45 08.1–.50 20.93N 121.32E 0 5.2,4.7b
ISCJB VII 11 21 45 08.3–.58 21.06N–.02 121.14E–.02 4–3 4.8s,4.7b
IDC VII 11 21 45 08.9–.44 21.03N 121.02E 0 4.5s,4.5
NEIC VII 11 21 45 10.9–.21 21.07N 121.14E 10 4.9b,4.5
BJI VII 11 21 45 12.4 21.23N 120.92E 22 5.4b,5.1s
GCMT VII 11 21 45 12.4–.30 21.08N 120.98E 23–1 5.0W,5.1s
MOS VII 11 21 45 15.3–1.1 21.52N 121.08E 33 5.1b,4.9s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S259.00000°,δ52.00000°,λ-104.00000°. NP2:ϕ_S101.00000°,δ40.00000°,λ-72.00000°. $M_0$1.68000×10^{16}
TAP D.
JMA Error ellipse: s-maj=6.7km s-min=7.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.8km az=23.0.
IDC Error ellipse: s-maj=16.0km s-min=10.9km az=70.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.5km az=90.0.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s6,c7; s72,c122; Moment tensor: Scale 10^{16}Nm; M_{rr}1.34±.25 $M_{\theta\theta}$1.25±.13; $M_{\phi\phi}$-2.60±.21; $M_{r\theta}$-1.23±.21; $M_{\theta\phi}$-3.24±.11; $M_{\phi r}$-0.95±.25; Best double couple: NP1:ϕ_D344.00000°,δ67.00000°,λ5.00000°. NP2:ϕ_S252.00000°,δ86.00000°,λ157.00000°. Principal axes: T 3.3100,Plg19.0000° ,Azm206.0000°; N 1.4700,Plg66.0000°,Azm63.0000°; P -4.7800,Plg13.0000°,Azm301.0000° $M_0$4.00000×10^{16}
MOS Error ellipse: s-maj=11.6km s-min=6.1km az=112.0.
ISC VII 12 12 23 15.8–.80 21.09N–.06 121.1E–.20 35 3.6b,3.3s 16 2-81
NIED VII 12 12 23 00 21.00N 121.10E 8 4.0W,3.3s **¶11746987**
IDC VII 12 12 23 11.0–1.0 20.97N 120.98E 0 3.8,3.7
NEIC VII 12 12 23 12.1–.71 21.10N 121.23E 10 4.2,3.7
ISCJB VII 12 12 23 13.8–.79 21.07N–.05 121.1E–.20 33 3.6b,3.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S106.00000°,δ49.00000°,λ-74.00000°. NP2:ϕ_S262.00000°,δ44.00000°,λ-107.00000°. $M_0$9.95000×10^{14}
NEIC Event type se.
ISCJB Event type se.
ISC VII 12 22 29 51.0–.40 21.03N–.04 121.13E–.07 35 4.3b,3.9s 76 2-86
NIED VII 12 22 29 00 20.70N 121.30E 47 4.9W,3.9s **¶13389019**
IDC VII 12 22 29 45.8–.63 20.96N 121.09E 0 4.3,4.3L
NEIC VII 12 22 29 47.3–.43 21.05N 121.14E 10 4.7b,4.3L
ISCJB VII 12 22 29 48.8–.40 21.03N–.04 121.14E–.06 33 4.3b,3.9s
MOS VII 12 22 29 48.9–1.0 20.94N 121.04E 33 4.9b,3.9s
BJI VII 12 22 29 49.8 20.99N 120.90E 31 4.4b,4.3s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S32.00000°,δ78.00000°,λ82.00000°. NP2:ϕ_S247.00000°,δ15.00000°,λ124.00000°. $M_0$2.37000×10^{16}
IDC Error ellipse: s-maj=21.0km s-min=13.5km az=72.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.5km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.7km az=18.5.
MOS Error ellipse: s-maj=15.4km s-min=8.0km az=116.9.
ISC VII 13 03 17 14.3–.88 21.11N–.05 121.27E–.09 77–10 49 1-3
TAP VII 13 03 17 12.8 21.10N 121.15E 87–0 3.7L **¶13642474**
ISCJB VII 13 03 17 13.6–.89 21.12N–.05 121.28E–.09 82–9 3.7L
TAP D.
ISC VII 13 14 58 34.4–.09 21.11N–.01 121.09E–.02 18 6.3s,5.6b 977 1-175
NIED VII 13 14 58 00 21.00N 121.10E 11 6.2W,5.6b **¶12951262**
JMA VII 13 14 58 28.8–.50 20.97N 121.10E 0 6.1,5.6b
IDC VII 13 14 58 30.1–.37 20.94N 121.02E 0 6.0s,6.0
BJI VII 13 14 58 31.7 21.18N 120.98E 11 6.8L,6.6s
ISCJB VII 13 14 58 32.4–.09 21.07N–.01 121.11E–.02 17 6.3s,5.6b
DJA VII 13 14 58 33 21.12N 121.19E 11 6.4W,5.6b
TEH VII 13 14 58 33.0 21.03N 121.11E 10 6.4W,5.6b
NEIC VII 13 14 58 33.0–.16 21.01N 121.15E 14 6.8,6.3s
MOS VII 13 14 58 34.7–1.4 21.06N 121.17E 33 6.4s,5.8b
GCMT VII 13 14 58 36.9–.10 21.04N 121.05E 15–0 6.2W,5.8b
TAP VII 13 14 58 36.8 21.42N 121.19E 44–0 5.6L,5.8b
SZGRF VII 13 14 58 37.8 21.63N 121.86E 33 6.7s,5.8b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_S253.00000°,δ82.00000°,λ-132.00000°. NP2:ϕ_S154.00000°,δ42.00000°,λ-12.00000°. $M_0$2.33000×10^{18}
JMA Error ellipse: s-maj=6.7km s-min=7.3km az=-1.0.
IDC Error ellipse: s-maj=13.6km s-min=9.9km az=82.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=10.5.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=4.1km az=83.0. Felt at Kao-hsiung and T'ai-nan. Felt [I PIVS] at Itbayat, Batan Islands. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_S350.00000°,δ80.00000°,λ5.00000°. NP2:ϕ_S259.00000°,δ85.00000°,λ170.00000°. Principal axes: T Plg11.0000°,Azm214.0000° ; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm305.0000° Moment Tensor Solution. s83 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.44 $M_{\theta\theta}$0.19 $M_{\phi\phi}$0.25 $M_{r\theta}$0.68 $M_{\theta\phi}$-1.95 $M_{\phi r}$0.17 Best double couple: NP1:ϕ_S179.00000°,δ69.00000°,λ-10.00000°. NP2:ϕ_S273.00000° ,δ81.00000°,λ-159.00000°. Principal axes: T 2.2200,Plg7.0000°,Azm44.0000° ; N -0.2500,Plg66.0000°,Azm295.0000°; P -1.9700,Plg21.0000°,Azm137.0000° $M_0$2.10000×10^{18}
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=114.2.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=114, comp=261, per= 50. Moment Tensor Solution. s113,c263; s98,c160; Moment tensor: Scale 10^{18}Nm; M_{rr}0.29±.01 $M_{\theta\theta}$0.79±.01; $M_{\phi\phi}$-1.08±.02; $M_{r\theta}$-0.51±.03; $M_{\theta\phi}$-2.13±.01; $M_{\phi r}$0.35±.03; Best double couple: NP1:ϕ_S257.00000°,δ78.00000°,λ168.00000°. NP2:ϕ_S349.00000°,δ79.00000°,λ12.00000°. Principal axes: T 2.3600,Plg17.0000°,Azm213.0000°; N 0.1100,Plg73.0000°,Azm32.0000° ; P -2.4700,Plg0.0000°,Azm123.0000° $M_0$2.40000×10^{18}
TAP C.
SZGRF Taiwan region.
TAP VII 13 15 27 19.6 24.64N 122.14E 12–1 3.4L
JMA VII 13 15 27 20.4–.40 25.02N 122.36E 24 2.4 **¶13389098**
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISC VII 13 15 46 43.0–.98 21.18N–.02 121.16E–.03 10–6 4.8s,4.4b 119 1-86
DJA VII 13 15 46 40 21.81N 121.19E 30 4.9b,4.4b **¶11121219**
ISCJB VII 13 15 46 41.5–1.1 21.18N–.02 121.16E–.03 11–7 4.8s,4.4b
IDC VII 13 15 46 41.1–.59 21.06N 121.12E 0 4.9,4.9s
NEIC VII 13 15 46 42.3–.36 21.17N 121.18E 10 4.6b,4.9s
JMA VII 13 15 46 43.4–.60 21.20N 121.04E 107 4.1,4.9s
BJI VII 13 15 46 43.3 21.30N 121.17E 18 5.4b,4.9s
MOS VII 13 15 46 44.1–1.1 21.08N 121.13E 33 5.0b,4.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.3km az=13.3.
IDC Error ellipse: s-maj=22.6km s-min=12.7km az=66.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.1km az=84.0.
JMA Error ellipse: s-maj=7.8km s-min=8.3km az=-1.0.
MOS Error ellipse: s-maj=14.3km s-min=8.5km az=107.9.
ISC VII 13 17 00 29.2–2.5 21.03N–.06 121.11E–.08 28–21 3.6b 26 2-46
IDC VII 13 17 00 26.1–1.2 20.88N 121.16E 0 3.8,3.6b **¶11811484**
NEIC VII 13 17 00 26.3–.71 21.05N 121.20E 10 3.6b,3.6b
JMA VII 13 17 00 27.8–.50 21.13N 121.35E 0 3.6b,3.6b
ISCJB VII 13 17 00 28.2–.62 21.02N–.05 121.16E–.07 33 3.6b,3.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
TAP VII 13 18 04 08.4 21.17N 121.24E 79–1 3.6L
¶13642518
TAP D.
ISC VII 13 18 13 22.0–.89 21.41N–.05 121.21E–.06 41–8 3.7b 65 1-46
IDC VII 13 18 13 13.9–.92 20.97N 121.00E 0 3.8,3.8 **¶11811491**
NEIC VII 13 18 13 15.2–.71 21.06N 121.15E 10 4.0b,3.8
TAP VII 13 18 13 19.5 21.37N 121.29E 64–1 3.7L,3.8
ISCJB VII 13 18 13 21.5–.80 21.44N–.05 121.22E–.06 55–5 3.7b,3.8
ISC Event type se.
NEIC Event type se.
TAP D.
ISCJB Event type se.
ISC VII 13 18 35 39.7–.89 21.12N–.06 121.30E–.07 41–13 3.3b 61 1-46
IDC VII 13 18 35 34.6–2.1 21.01N 121.29E 0 3.6,3.4 **¶11811492**
NEIC VII 13 18 35 36.0–.50 21.02N 121.28E 10 3.7b,3.4
TAP VII 13 18 35 38.4 21.12N 121.32E 65–1 3.7L,3.4
ISCJB VII 13 18 35 39.1–.71 21.15N–.05 121.32E–.07 57–9 3.3b,3.4
ISC Event type se.
NEIC Event type se.
TAP D.
ISCJB Event type se.
ISC VII 13 21 07 07.9–.82 21.38N–.07 121.9E–.10 10 3.2b 18 2-46
IDC VII 13 21 07 05.1–1.0 21.55N 121.67E 0 3.5L,3.4 **¶11811505**
ISCJB VII 13 21 07 06.7–.85 21.42N–.08 122.1E–.10 10 3.2b,3.4
NEIC VII 13 21 07 08.3–.87 21.39N 121.99E 10 3.2b,3.4
ISC Event type se.

IDC Error ellipse: s-maj=41.6km s-min=18.7km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=7.6km az=155.6.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=10.8km az=68.0.
ISC VII 14 11 07 57.3–.92 21.11N–.02 121.05E–.03 14–5 4.5b,3.6s 179 1-99
NIED VII 14 11 07 00 21.10N 121.30E 8 4.1W,3.6s **¶13389171**
IDC VII 14 11 07 55.2–.51 21.11N 121.09E 0 4.4,4.3L
BJI VII 14 11 07 55.6 20.92N 121.09E 24 4.5b,4.4b
JMA VII 14 11 07 56.1–.50 21.09N 121.35E 0 4.6,4.4b
NEIC VII 14 11 07 56.6–.27 21.10N 121.11E 10 4.7b,4.4b
ISCJB VII 14 11 07 57.2–.83 21.08N–.02 121.10E–.03 27–5 4.4b,3.6s
TAP VII 14 11 07 58.1 21.18N 121.05E 81–0 4.4L,3.6s
MOS VII 14 11 07 58.2–.92 21.09N 121.09E 33 4.8b,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s142.00000°,δ51.00000°,λ67.00000°. NP2:ϕ_s355.00000°,δ44.00000°,λ116.00000°. $M_0$1.40000×10^{15}
IDC Error ellipse: s-maj=24.5km s-min=11.8km az=68.0.
JMA Error ellipse: s-maj=6.7km s-min=8.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.1km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.9km az=174.2.
TAP D.
MOS Error ellipse: s-maj=13.9km s-min=7.4km az=109.6.
ISC VII 14 12 18 22.8–1.9 21.03N–.04 121.02E–.05 13–13 3.9b,3.5s 39 2-81
NIED VII 14 12 18 00 20.90N 121.50E 5 4.3W,3.5s **¶11479990**
IDC VII 14 12 18 20.1–1.1 20.99N 121.10E 0 4.0,3.9
BJI VII 14 12 18 21.7 21.22N 121.18E 10 4.5b,4.1b
JMA VII 14 12 18 21.3–.50 20.86N 121.50E 0 4.4,4.1b
NEIC VII 14 12 18 21.9–.60 21.01N 121.10E 10 4.3b,4.1b
ISCJB VII 14 12 18 22.1–1.9 21.00N–.04 121.06E–.05 24–15 3.9b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s8.00000°,δ85.00000°,λ126.00000°. NP2:ϕ_s105.00000°,δ37.00000°,λ9.00000°. $M_0$2.84000×10^{15}
NEIC Event type se.
ISCJB Event type se.
TAP VII 14 12 43 12.3 21.18N 121.26E 64–1 3.5L
¶13642573
TAP D.
ISC VII 14 13 13 55.3–.69 24.62N–.04 122.54E–.02 91–6 68 0-2
TAP VII 14 13 13 53.9 24.63N 122.50E 105–0 3.3L **¶13389183**
ISCJB VII 14 13 13 54.8–.69 24.62N–.04 122.54E–.02 92–6 3.3L
JMA VII 14 13 13 54.3–.20 24.81N 122.58E 96–2 2.1
TAP C.
ISCJB Error ellipse: s-maj=6.5km s-min=3.2km az=176.3.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC VII 14 13 58 12.4–.70 21.15N–.02 121.09E–.04 26–4 4.3b,3.7s 166 1-101
NIED VII 14 13 58 00 21.30N 121.40E 11 4.1W,3.7s **¶11121249**
IDC VII 14 13 58 08.0–.55 21.04N 120.98E 0 4.3,4.3
NEIC VII 14 13 58 09.7–.41 21.13N 121.12E 10 4.6b,4.3
ISCJB VII 14 13 58 11.0–.79 21.09N–.02 121.09E–.04 31–5 4.3b,3.7s
TAP VII 14 13 58 10.9 21.13N 120.88E 78–0 4.4L,3.7s
MOS VII 14 13 58 11.3–1.0 21.09N 121.06E 33 4.8b,3.7s
BJI VII 14 13 58 11.0 21.23N 120.98E 20 4.5b,4.4b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s191.00000°,δ89.00000°,λ-169.00000°. NP2:ϕ_s101.00000°,δ79.00000°,λ-1.00000°. $M_0$1.37000×10^{15}
IDC Error ellipse: s-maj=21.5km s-min=12.9km az=65.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.4km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.8km az=170.9.
TAP D.
MOS Error ellipse: s-maj=14.0km s-min=8.0km az=111.2.
ISC VII 14 14 57 07.6–.74 21.05N–.05 121.14E–.09 35 3.4b 36 1-46
NIED VII 14 14 57 00 21.00N 121.40E 8 3.7W **¶11747011**
ISCJB VII 14 14 57 05.8–.74 20.99N–.05 121.16E–.10 33 3.4b
TAP VII 14 14 57 06.2 21.20N 121.15E 83–0 3.9L
IDC VII 14 14 57 27.3–1.8 17.04N 118.86E 0 3.9L,3.8
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ84.00000°,λ152.00000°. NP2:ϕ_s97.00000°,δ63.00000°,λ7.00000°. $M_0$4.67000×10^{14}
ISCJB Error ellipse: s-maj=12.9km s-min=7.2km az=177.7.
TAP C.
IDC Error ellipse: s-maj=70.8km s-min=27.3km az=50.0.
ISC VII 15 02 38 43.7–1.9 21.10N–.05 121.17E–.08 12–13 3.5b 47 1-46
ISCJB VII 15 02 38 41.3–1.4 21.00N–.04 121.14E–.09 7–9 3.5b **¶11811619**
IDC VII 15 02 38 42.6–1.1 21.04N 120.91E 0 3.8,3.7
NEIC VII 15 02 38 43.8–.68 21.12N 121.08E 10 3.8,3.7
TAP VII 15 02 38 44.5 21.21N 121.20E 81–1 3.8L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=6.6km az=170.3.
IDC Error ellipse: s-maj=69.7km s-min=19.7km az=69.0.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=8.8km az=85.0.
TAP C.
ISC VII 15 03 53 17.6–.47 22.44N–.02 121.17E–.03 0–4 105 0-4
JMA VII 15 03 53 15.9–.40 22.46N 121.15E 0 3.8 **¶12951328**
TAP VII 15 03 53 18.2 22.49N 121.02E 10–0 4.0L
NEIC VII 15 03 53 19.8–4.8 22.67N 121.27E 10 3.8
ISC Event type se.
JMA Error ellipse: s-maj=5.6km s-min=5.1km az=-1.0.
TAP B.
NEIC Event type se. Error ellipse: s-maj=49.0km s-min=14.4km az=170.0.
ISC VII 15 13 00 10.2–.73 21.11N–.02 121.13E–.03 17–4 4.6b,4.1s 264 1-170
NIED VII 15 13 00 00 20.80N 121.20E 17 4.6W,4.1s **¶11126423**
BJI VII 15 13 00 09.1 21.14N 121.12E 26 4.6b,4.5b
ISCJB VII 15 13 00 09.8–.56 21.07N–.02 121.13E–.03 29–4 4.6b,4.1s
TAP VII 15 13 00 09.2 20.99N 121.13E 46–1 4.9L,4.1s
NEIC VII 15 13 00 09.5–2.8 21.14N 121.17E 13–16 4.8b,4.1s
MOS VII 15 13 00 10.6–1.1 21.10N 121.14E 33 5.0b,4.2s
IDC VII 15 13 00 12.9–5.1 21.04N 121.07E 33–39 4.8L,4.3
MAN VII 15 13 00 20 20.33N 121.59E 15 5.3b,4.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s94.00000°,δ82.00000°,λ47.00000°. NP2:ϕ_s356.00000°,δ43.00000°,λ168.00000°. $M_0$7.81000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=157.3.
TAP D.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=6.8km az=144.0.
MOS Error ellipse: s-maj=9.3km s-min=5.9km az=110.2.
IDC Error ellipse: s-maj=16.1km s-min=11.4km az=61.0.
TAP VII 16 00 24 11.7 21.19N 121.23E 71–0 3.5L
¶13642665
TAP C.
TAP VII 16 23 33 13.2 23.84N 122.48E 36–2 3.1L
JMA VII 16 23 33 13.6–.10 23.86N 122.49E 40 2.4 **¶13389419**
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VII 17 16 21 33.6–1.0 21.30N–.05 121.42E–.07 30–7 3.4b 44 1-46
TAP VII 17 16 21 29.1 21.10N 121.37E 70–2 3.8L **¶11811844**
IDC VII 17 16 21 29.9–1.1 21.39N 121.58E 0 3.6,3.5b
NEIC VII 17 16 21 31.5–.81 21.29N 121.48E 10 3.6,3.5b
ISCJB VII 17 16 21 33.0–1.0 21.31N–.06 121.51E–.07 39–10 3.4b,3.5b
ISC Event type se.
TAP C.
NEIC Event type se.
ISCJB Event type se.
ISC VII 17 18 57 10.1–.42 22.10N–.02 121.57E–.02 21–3 3.8b,3.3s 138 0-84
IDC VII 17 18 57 06.1–.82 22.16N 121.86E 0 3.9,3.8 **¶11811854**
ISCJB VII 17 18 57 09.4–.41 22.09N–.02 121.59E–.02 27–3 3.8b,3.3s
NEIC VII 17 18 57 09.2–4.2 22.13N 121.81E 20–26 4.1b,3.3s
TAP VII 17 18 57 11.1 22.19N 121.48E 20–0 4.2L,3.3s
JMA VII 17 18 57 11.9–.40 22.24N 121.71E 25 3.9,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=16.7km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.5km az=154.6.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=11.0km az=70.0.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
TAP VII 18 02 53 37.9 22.32N 122.40E 59–1 3.7L
¶13642791
TAP D.
ISC VII 18 17 42 32.7–.49 24.08N–.02 122.22E–.02 17–3 108 0-3
ISCJB VII 18 17 42 32.4–.41 24.05N–.02 122.23E–.02 17–4 **¶13389520**
JMA VII 18 17 42 32.4–.30 24.24N 122.13E 57 3.5
TAP VII 18 17 42 33.1 24.10N 122.18E 27–0 3.8L
ISCJB Error ellipse: s-maj=3.6km s-min=2.5km az=153.3.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
TAP C.
ISC VII 18 19 09 00.1–.96 21.41N–.04 122.13E–.04 21–8 3.7b 79 1-45
IDC VII 18 19 08 54.0–1.4 21.06N 122.23E 0 4.0,3.9b **¶11811956**
NEIC VII 18 19 08 55.1–1.2 21.24N 122.36E 10 4.0b,3.9b
TAP VII 18 19 08 58.0 21.34N 122.14E 24–1 3.9L,3.9b
ISCJB VII 18 19 08 60.0–.76 21.42N–.04 122.20E–.04 35–9 3.7b,3.9b
ISC Event type se.
NEIC Event type se.
TAP D.
ISCJB Event type se.
ISC VII 19 10 59 38.4–.45 24.18N–.03 122.74E–.02 46–14 66 0-3
ISCJB VII 19 10 59 37.8–.48 24.17N–.03 122.73E–.02 51–11 **¶13389574**
TAP VII 19 10 59 37.7 24.20N 122.72E 72–1 3.3L
JMA VII 19 10 59 38.2–.10 24.38N 122.78E 62–1 2.6
ISCJB Error ellipse: s-maj=5.8km s-min=3.2km az=4.3.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC VII 20 00 04 42.5–.55 24.85N–.04 122.39E–.02 8–4 38 0-2
ISCJB VII 20 00 04 42.1–.59 24.85N–.04 122.39E–.02 7–4 **¶13389611**
TAP VII 20 00 04 42.7 24.89N 122.33E 12–0 3.1L
JMA VII 20 00 04 43.2–.30 24.76N 122.42E 0 2.6
ISCJB Error ellipse: s-maj=6.5km s-min=3.4km az=12.0.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=4.0km az=-1.0.
ISC VII 20 18 21 06.0–1.3 21.13N–.04 121.05E–.08 17–7 3.9b,3.3s 58 1-81
NIED VII 20 18 21 00 20.80N 121.50E 38 4.5W,3.3s **¶11747084**
NEIC VII 20 18 21 05.0–.66 21.13N 121.09E 10 4.2b,3.3s
ISCJB VII 20 18 21 05.5–1.4 21.06N–.05 121.12E–.08 30–9 3.9b,3.3s
TAP VII 20 18 21 05.2 21.11N 121.10E 76–1 4.2L,3.3s
IDC VII 20 18 21 12.7–6.3 21.12N 121.06E 75–63 4.0L,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s43.00000°,δ90.00000°,λ101.00000°. NP2:ϕ_s133.00000°,δ11.00000°,λ0.00000°. $M_0$5.57000×10^{15}
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=9.8km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.5km az=161.5.
TAP D.
IDC Error ellipse: s-maj=21.0km s-min=16.8km az=74.0.
ISC VII 21 13 06 52.9–1.2 21.19N–.03 121.12E–.03 15–7 4.5b,4.1s 151 2-99
NIED VII 21 13 06 00 21.20N 121.00E 47 4.8W,4.1s **¶13389738**
BJI VII 21 13 06 48.5 21.15N 121.15E 3 4.8b,4.5s
ISCJB VII 21 13 06 49.6–.99 21.16N–.03 121.13E–.03 7–6 4.5b,4.1s
NEIC VII 21 13 06 51.0–2.6 21.22N 121.15E 3–15 4.8b,4.1s
IDC VII 21 13 06 50.6–.54 21.21N 121.16E 0 4.5,4.4
MOS VII 21 13 06 52.4–.86 21.20N 121.15E 26 4.9b,4.4
JMA VII 21 13 06 52.4–.40 21.17N 120.99E 106 4.4,4.4
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s25.00000°,δ66.00000°,λ111.00000°. NP2:ϕ_s161.00000°,δ31.00000°,λ51.00000°. $M_0$1.62000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.6km az=138.1.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=6.0km az=130.0.
IDC Error ellipse: s-maj=17.9km s-min=12.8km az=73.0.
MOS Error ellipse: s-maj=10.4km s-min=6.5km az=100.9.
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
ISC VII 21 13 09 57.7–.92 21.17N–.04 121.19E–.06 14–5 3.6b 67 1-86
TAP VII 21 13 09 55.2 21.04N 121.21E 25–1 3.9L **¶11812267**
IDC VII 21 13 09 56.2–1.2 21.25N 121.16E 0 3.9,3.7b
ISCJB VII 21 13 09 57.5–.91 21.13N–.04 121.22E–.06 28–5 3.6b,3.7b
NEIC VII 21 13 09 58.3–5.8 21.23N 121.19E 14–36 3.8b,3.7b
ISC Event type se.
TAP D.
IDC Error ellipse: s-maj=28.3km s-min=25.0km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.2km az=167.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=14.9km az=135.0.
ISC VII 21 13 12 59.4–.98 21.20N–.04 121.09E–.04 14–6 3.9b 73 1-86
TAP VII 21 13 12 56.1 21.06N 121.24E 15–1 4.0L **¶11812268**
IDC VII 21 13 12 57.3–.77 21.25N 121.24E 0 4.1,4.0
ISCJB VII 21 13 12 59.2–.92 21.16N–.04 121.13E–.04 28–6 3.9b,4.0
JMA VII 21 13 13 01.8–.60 20.95N 121.58E 136 3.6,4.0
NEIC VII 21 13 13 01.2–3.2 21.23N 121.22E 26–23 4.1b,4.0
ISC Event type se.
TAP D.
IDC Error ellipse: s-maj=24.7km s-min=16.3km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=6.2km az=35.7.
JMA Error ellipse: s-maj=6.7km s-min=8.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.0km az=87.0.
ISC VII 21 14 03 04.8–5.8 21.28N–.09 121.2E–.10 15–37 3.7b 21 2-86
IDC VII 21 14 03 02.6–.86 21.31N 121.25E 0 3.9,3.7 **¶11812271**
ISCJB VII 21 14 03 04.9–3.9 21.25N–.09 121.2E–.10 30–28 3.7b,3.7
NEIC VII 21 14 03 05.1–4.3 21.28N 121.23E 17–27 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=18.2km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=15.2km az=159.3.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.8km az=72.0.
IDC VII 21 14 03 53.1–1.2 21.21N 121.15E 0 3.8,3.6b
¶12698367
IDC Error ellipse: s-maj=46.1km s-min=24.2km az=69.0.
ISC VII 21 14 19 29.5–1.5 21.24N–.03 121.13E–.03 13–9 4.4b,4.0s 115 2-146
NIED VII 21 14 19 00 21.20N 121.10E 47 4.9W,4.0s **¶11153545**
BJI VII 21 14 19 26.0 21.18N 121.11E 6 4.7b,4.5b
IDC VII 21 14 19 27.0–.71 21.30N 121.25E 0 4.4,4.3b
NEIC VII 21 14 19 27.8–3.1 21.26N 121.16E 5–19 4.6b,4.3b
ISCJB VII 21 14 19 29.1–1.2 21.22N–.03 121.15E–.03 25–8 4.4b,4.0s
MOS VII 21 14 19 30.3–.99 21.27N 121.21E 35 4.9b,4.1s
JMA VII 21 14 19 30.2–.40 21.15N 121.13E 84 4.5,4.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s41.00000°,δ80.00000°,λ92.00000°. NP2:ϕ_s211.00000°,δ11.00000°,λ80.00000°. $M_0$2.47000×10^{16}
IDC Error ellipse: s-maj=18.6km s-min=16.6km az=70.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.2km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.6km az=152.5.
MOS Error ellipse: s-maj=11.8km s-min=7.3km az=99.4.
JMA Error ellipse: s-maj=4.4km s-min=5.2km az=-1.0.
ISC VII 21 19 35 13.6–1.3 21.3N–.10 121.3E–.10 35 3.4b 17 2-72
IDC VII 21 19 35 07.0–1.3 20.93N 121.38E 0 3.7,3.6L **¶11812302**
NEIC VII 21 19 35 08.9–1.0 21.11N 121.34E 10 3.9b,3.6L
ISCJB VII 21 19 35 10.3–.94 21.11N–.09 121.3E–.10 33 3.4b,3.6L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 21 19 35 49.9–1.0 21.23N 121.31E 0 3.7s,3.7
¶12698371
IDC Error ellipse: s-maj=30.1km s-min=20.4km az=75.0.
ISC VII 22 09 44 49.9–.94 21.12N–.04 121.11E–.04 22–5 3.5b 69 1-72
IDC VII 22 09 44 46.7–5.2 21.14N 121.11E 0 3.8,3.7 **¶11812345**
TAP VII 22 09 44 47.8 21.12N 121.27E 17–1 3.5L,3.7
NEIC VII 22 09 44 47.2–1.3 20.97N 121.07E 10 3.5L,3.7
JMA VII 22 09 44 51.4–.40 20.91N 121.59E 117 3.1,3.7
ISC Event type se.
IDC Error ellipse: s-maj=102.6km s-min=36.3km az=176.0.
TAP D.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=16.0km az=133.0.

JMA Error ellipse: s-maj=4.4km s-min=6.2km az=-1.0.
ISC VII 22 12 49 23.3–.84 24.5N–.10 122.93E–.03 66–10 21 0-2
ISCJB VII 22 12 49 22.8–.85 24.5N–.10 122.93E–.03 68–10 ¶13389819
TAP VII 22 12 49 23.2 24.41N 122.91E 74–3 2.8L
JMA VII 22 12 49 23.3–.10 24.55N 122.97E 65–1 1.9
ISCJB Error ellipse: s-maj=23.8km s-min=4.3km az=5.7.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC VII 23 14 38 48.2–.52 25.11N–.03 122.41E–.02 1–3 3.9b,3.6s 116 0-82
ISCJB VII 23 14 38 47.7–.56 25.14N–.03 122.41E–.02 4–4 3.8b,3.6s ¶11480098
IDC VII 23 14 38 48.2–1.1 25.00N 121.86E 0 3.9,3.8
TAP VII 23 14 38 49.1 25.15N 122.30E 15–0 4.2L,3.8
BJI VII 23 14 38 53.6 25.26N 122.12E 16 4.4b,4.3L
JMA VII 23 14 38 54.5–.10 24.94N 122.77E 30 2.9,4.3L
NEIC VII 23 14 38 56.1–.75 24.84N 121.61E 56–7 4.2b,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=157.1.
IDC Error ellipse: s-maj=33.3km s-min=24.2km az=67.0.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=10.9km az=79.0.
TAP VII 23 14 40 40.2 25.15N 122.32E 18–0 3.7L
¶13643077
TAP C.
ISC VII 23 15 41 55.3–.40 23.96N–.02 122.34E–.02 4–3 101 1-3
NEIC VII 23 15 41 54.9–8.5 23.96N 122.37E 14–29 ¶12951601
ISCJB VII 23 15 41 55.1–.51 23.96N–.02 122.34E–.02 4–3
TAP VII 23 15 41 57.0 24.04N 122.31E 24–0 4.0L
JMA VII 23 15 41 56.7–.30 24.07N 122.29E 28 3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=70.8km s-min=13.4km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.3km az=166.5.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC VII 23 20 38 04.4–2.5 21.28N–.07 121.04E–.08 11–17 3.5b 26 2-72
IDC VII 23 20 38 02.8–1.0 21.18N 121.08E 0 3.8,3.6 ¶11812474
ISCJB VII 23 20 38 03.9–2.3 21.25N–.07 121.08E–.07 19–18 3.5b,3.6
JMA VII 23 20 38 05.0–.50 21.24N 120.98E 73 4.2,3.6
NEIC VII 23 20 38 07.4–.91 21.31N 120.96E 35 4.2,3.6
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=19.7km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=7.4km az=137.1.
JMA Error ellipse: s-maj=6.7km s-min=7.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=11.7km az=84.0.
ISC VII 23 23 04 37.3–.85 21.28N–.02 121.07E–.02 16–5 4.7b,4.3s 223 2-170
NIED VII 23 23 04 00 21.30N 120.90E 8 4.7W,4.3s ¶11153642
BJI VII 23 23 04 34.1 21.29N 121.02E 7 4.8b,4.7s
IDC VII 23 23 04 34.4–.51 21.33N 121.23E 0 4.5,4.5
NEIC VII 23 23 04 35.9–.17 21.27N 121.15E 10 4.9b,4.5
ISCJB VII 23 23 04 35.2–1.1 21.24N–.02 121.09E–.03 15–8 4.7b,4.3s
JMA VII 23 23 04 36.5–.50 21.31N 120.88E 118 4.4,4.3s
MOS VII 23 23 04 40.2–.85 21.30N 121.14E 57 5.1b,4.4s
DJA VII 23 23 04 45 21.39N 121.21E 94 5.0b,4.4s
SZGRF VII 23 23 04 57.5 22.67N 122.04E 33 4.7b,4.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s302.00000°,δ59.00000°,λ-72.00000°. NP2:ϕ_s90.00000°,δ35.00000°,λ-117.00000°. $M_0$1.38000×10^{16}
IDC Error ellipse: s-maj=17.5km s-min=13.2km az=67.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.6km az=99.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.2km az=32.9.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
MOS Error ellipse: s-maj=9.5km s-min=6.0km az=104.3.
SZGRF Taiwan region.
ISC VII 24 09 14 36.8–1.8 21.26N–.04 121.01E–.05 14–12 3.8b,3.7s 45 2-86
NIED VII 24 09 14 00 21.30N 121.10E 8 4.4W,3.7s ¶11480112
BJI VII 24 09 14 32.6 21.08N 120.74E 3 4.5b,4.2s
IDC VII 24 09 14 34.3–.74 21.25N 121.11E 0 4.0,3.9
NEIC VII 24 09 14 35.9–.54 21.25N 121.09E 10 4.1b,3.9
ISCJB VII 24 09 14 35.9–1.6 21.20N–.04 121.08E–.05 22–13 3.8b,3.7s
JMA VII 24 09 14 37.7–.50 21.35N 121.06E 172 4.1,3.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s300.00000°,δ49.00000°,λ-66.00000°. NP2:ϕ_s86.00000°,δ46.00000°,λ-115.00000°. $M_0$4.16000×10^{15}
IDC Error ellipse: s-maj=26.7km s-min=16.0km az=68.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.1km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.4km az=22.6.
JMA Error ellipse: s-maj=8.9km s-min=8.3km az=-1.0.
ISC VII 24 12 54 26.9–.13 25.03N–.02 122.97E–.02 156–1 4.7b 416 1-166
NIED VII 24 12 54 00 25.00N 123.00E 150 4.5W ¶11153675
SZGRF VII 24 12 54 14.4 25.67N 123.41E 33 4.8b
ISCJB VII 24 12 54 25.8–.13 25.03N–.02 122.96E–.01 161–1 4.7b
MOS VII 24 12 54 26.7–.79 25.16N 123.02E 169 4.8b
NEIC VII 24 12 54 27.5–.39 25.06N 122.88E 162–3 4.7b
IDC VII 24 12 54 27.5–1.8 25.14N 123.01E 161–15 4.2b,4.2
TAP VII 24 12 54 27.3 25.00N 122.98E 157–0 5.3L,4.2
BJI VII 24 12 54 27.6 24.98N 122.92E 186 4.8b,4.7b
JMA VII 24 12 54 28.6–.20 25.02N 122.98E 144–3 4.7,4.7b
DJA VII 24 12 55 10 24.05N 122.33E 619 4.9b,4.7b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s91.00000°,δ88.00000°,λ76.00000°. NP2:ϕ_s352.00000°,δ14.00000°,λ170.00000°. $M_0$5.98000×10^{15}
SZGRF Northeast of Taiwan.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=159.7.
MOS Error ellipse: s-maj=10.3km s-min=5.8km az=110.6.
NEIC Event type fe. Error ellipse: s-maj=6.0km s-min=5.2km az=112.0. Recorded [1 JMA] in the Yaeyama-retto, Ryukyu Islands.
IDC Error ellipse: s-maj=12.6km s-min=11.0km az=50.0.
TAP C.
JMA Event type fe. Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
ISC VII 24 17 07 57.5–1.1 25.2N–.10 122.33E–.04 165–9 32 0-3
ISCJB VII 24 17 07 57.4–1.1 25.1N–.10 122.34E–.04 163–9 ¶13389998
TAP VII 24 17 07 57.1 25.17N 122.29E 169–1 3.0L
JMA VII 24 17 07 57.7–.30 25.15N 122.38E 167 2.1
ISCJB Error ellipse: s-maj=17.4km s-min=5.3km az=177.3.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
TAP VII 25 01 18 44.1 21.08N 121.17E 22–2 3.6L
¶13643167
TAP D.
TAP VII 26 19 57 14.0 24.91N 122.48E 16–0 3.5L
¶13643250
TAP C.
TAP VII 28 00 13 11.4 24.07N 122.68E 18–1 3.2L
¶14991742
TAP D.
TAP VII 28 04 08 19.8 22.07N 121.09E 29–0 3.8L
¶13643317
TAP B.
JMA VII 28 21 40 30.4–.10 24.62N 122.94E 90–1 2.7
TAP VII 28 21 40 30.6 24.62N 122.91E 86–1 3.2L ¶13390337
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC VII 29 12 28 07.7–.75 21.17N–.05 121.13E–.08 35 3.5b 46 1-46
IDC VII 29 12 28 03.1–1.3 21.11N 121.02E 0 3.7,3.6 ¶11812846
NEIC VII 29 12 28 04.7–.77 21.05N 121.00E 10 3.7,3.6
ISCJB VII 29 12 28 05.7–.75 21.09N–.05 121.14E–.08 33 3.5b,3.6
TAP VII 29 12 28 06.8 21.34N 121.19E 76–1 4.1L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=24.6km az=68.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.3km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.1km az=167.9.
TAP C.
ISC VII 30 10 27 04.7–.82 21.82N–.06 121.76E–.03 10 3.5b 62 0-43
IDC VII 30 10 27 00.1–35 21.48N 122.64E 0 3.7,3.6 ¶11812916
ISCJB VII 30 10 27 03.7–.85 21.80N–.06 121.82E–.03 10 3.5b,3.6
TAP VII 30 10 27 03.5 21.77N 121.65E 5–0 3.8L,3.6
JMA VII 30 10 27 07.4–.30 21.90N 121.80E 88 3.2,3.6
NEIC VII 30 10 27 12.5–1.9 22.33N 121.47E 10 3.2,3.6
ISC Event type se.
IDC Error ellipse: s-maj=651.1km s-min=55.2km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=3.3km az=165.4.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=16.6km az=109.0.
TAP VII 30 14 55 02.5 22.07N 121.79E 143–0 4.0L
¶13643399
TAP C.
TAP VII 30 14 59 45.6 21.91N 121.52E 6–1 3.3L
JMA VII 30 14 59 46.4–.40 21.90N 121.82E 49 3.1 ¶13390445
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
ISC VII 31 20 35 08.0–.44 24.44N–.02 122.24E–.02 2–3 91 0-3
ISCJB VII 31 20 35 07.6–.43 24.45N–.02 122.24E–.02 2–3 ¶13390538
TAP VII 31 20 35 09.7 24.47N 122.11E 19–0 3.7L
JMA VII 31 20 35 09.1–.20 24.53N 122.15E 47–3 3.1
ISCJB Error ellipse: s-maj=3.5km s-min=2.3km az=176.3.
TAP B.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC VIII 01 00 13 29.0–.46 22.93N–.02 121.32E–.03 10–3 76 0-3
NEIC VIII 01 00 13 27.3–2.4 22.92N 121.42E 10 ¶12099566
ISCJB VIII 01 00 13 28.9–.46 22.93N–.02 121.32E–.03 10–3
TAP VIII 01 00 13 29.4 22.96N 121.25E 14–0 3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=10.8km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.8km az=21.8.
TAP B.
ISC VIII 01 12 04 25.7–1.2 21.21N–.03 121.17E–.04 23–9 4.4b,3.9s 106 2-170
NIED VIII 01 12 04 00 21.20N 121.10E 62 4.9W,3.9s ¶11652737
IDC VIII 01 12 04 21.6–.55 21.26N 121.25E 0 4.4,4.3
NEIC VIII 01 12 04 23.5–.28 21.24N 121.28E 10 4.6b,4.3
ISCJB VIII 01 12 04 24.3–1.1 21.21N–.02 121.19E–.04 27–8 4.3b,3.9s
JMA VIII 01 12 04 24.1–.40 21.19N 121.06E 107 4.3,3.9s
BJI VIII 01 12 04 26.7 21.52N 120.83E 15 4.6b,4.4b
MAN VIII 01 12 04 50 19.35N 120.53E 13 4.7b,3.5s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s220.00000°,δ67.00000°,λ-103.00000°. NP2:ϕ_s71.00000°,δ26.00000°,λ-62.00000°. $M_0$2.85000×10^{16}
IDC Error ellipse: s-maj=19.1km s-min=13.4km az=71.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.1km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.4km az=28.2.
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
ISC VIII 01 15 03 00.6–.65 25.28N–.07 122.43E–.03 226–5 64 0-6
TAP VIII 01 15 02 59.4 25.36N 122.44E 239–0 4.1L ¶13390610
ISCJB VIII 01 15 03 00.1–.66 25.28N–.07 122.43E–.03 227–5 4.1L
JMA VIII 01 15 03 01.8–.30 25.40N 122.36E 205 3.3
TAP C.
ISCJB Error ellipse: s-maj=11.7km s-min=4.3km az=166.7.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
ISC VIII 02 03 16 57.5–.51 23.80N–.03 122.72E–.02 5–3 61 1-2
TAP VIII 02 03 16 59.4 23.82N 122.55E 4–1 3.0L ¶13390667
JMA VIII 02 03 16 59.2–.30 23.89N 122.72E 32 2.5
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VIII 02 13 35 43.5–.47 23.94N–.02 122.03E–.02 21–4 60 0-3
ISCJB VIII 02 13 35 43.2–.47 23.92N–.03 122.04E–.02 22–5 ¶13390702
TAP VIII 02 13 35 43.7 23.95N 121.98E 42–0 3.1L
JMA VIII 02 13 35 44.6–.30 24.07N 122.04E 67 2.4
ISCJB Error ellipse: s-maj=5.0km s-min=2.8km az=148.5.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC VIII 02 19 19 47.9–2.5 21.15N–.08 121.14E–.08 8–18 3.3b 21 2-46
IDC VIII 02 19 19 46.2–1.9 21.14N 121.36E 0 3.5,3.4b ¶11907713
ISCJB VIII 02 19 19 47.4–2.4 21.11N–.07 121.18E–.07 18–20 3.3b,3.4b
NEIC VIII 02 19 19 47.4–1.4 21.28N 121.54E 10 3.3b,3.4b
JMA VIII 02 19 19 50.7–.50 21.13N 121.30E 131 3.0,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=166.7km s-min=24.7km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=9.5km az=136.9.
NEIC Event type se. Error ellipse: s-maj=57.3km s-min=16.9km az=79.0.
JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
ISC VIII 03 11 06 22.9–.72 24.81N–.07 122.47E–.02 115–7 51 0-4
ISCJB VIII 03 11 06 22.4–.71 24.81N–.07 122.48E–.02 115–7 ¶13390763
TAP VIII 03 11 06 22.1 24.84N 122.43E 121–0 3.6L
JMA VIII 03 11 06 22.8–.30 24.96N 122.52E 109–4 2.5
ISCJB Error ellipse: s-maj=11.1km s-min=3.6km az=178.0.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISC VIII 03 12 52 13.0–.53 24.23N–.03 122.47E–.02 30–4 56 1-2
ISCJB VIII 03 12 52 12.7–.56 24.21N–.03 122.47E–.02 32–5 ¶13390773
TAP VIII 03 12 52 12.5 24.23N 122.52E 30–0 2.9L
JMA VIII 03 12 52 12.6–.20 24.68N 122.52E 52 1.7
ISCJB Error ellipse: s-maj=5.0km s-min=3.2km az=173.5.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
ISC VIII 04 05 28 00.0–.54 24.52N–.03 122.33E–.02 67–7 70 0-3
ISCJB VIII 04 05 27 59.5–.53 24.51N–.03 122.33E–.02 68–7 ¶13390827
TAP VIII 04 05 27 59.2 24.51N 122.29E 76–0 3.4L
JMA VIII 04 05 27 59.6–.20 24.62N 122.37E 74 2.3
ISCJB Error ellipse: s-maj=5.8km s-min=3.1km az=172.5.
TAP C.
JMA Error ellipse: s-maj=7.8km s-min=2.0km az=-1.0.
TAP VIII 05 10 19 28.6 25.09N 122.27E 11–0 3.1L
¶13390919
TAP D.
ISC VIII 05 21 35 58.5–1.2 23.84N–.05 122.73E–.02 13–8 38 1-2
ISCJB VIII 05 21 35 58.4–1.4 23.82N–.04 122.73E–.02 13–11 ¶13390945
TAP VIII 05 21 35 58.1 23.83N 122.83E 80–2 3.0L
JMA VIII 05 21 35 59.6–.30 23.87N 122.77E 16 2.6
ISCJB Error ellipse: s-maj=7.0km s-min=3.2km az=166.4.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC VIII 06 11 49 08.8–.46 23.96N–.02 122.82E–.02 9–3 89 1-3
ISCJB VIII 06 11 49 08.4–.64 23.94N–.02 122.82E–.02 8–4 ¶12099718
NEIC VIII 06 11 49 09.7–4.2 23.93N 122.67E 10 3.0
JMA VIII 06 11 49 09.4–.10 24.01N 122.78E 32–4 3.0
TAP VIII 06 11 49 10.3 24.04N 122.89E 41–1 3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.6km az=166.4.
NEIC Event type se. Error ellipse: s-maj=39.7km s-min=14.8km az=85.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC VIII 08 06 35 04.5–.54 24.81N–.03 122.09E–.03 2–5 33 0-2
TAP VIII 08 06 35 04.8 24.81N 122.00E 9–2 2.7L ¶13391120
JMA VIII 08 06 35 04.2–.20 25.27N 122.43E 0 2.5
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC VIII 08 22 05 17.1–.17 21.64N–.01 121.44E–.02 67–1 5.1b 738 0-175
NIED VIII 08 22 05 00 21.70N 121.50E 68 5.2W ¶11160015
MOS VIII 08 22 05 11.3–.96 21.64N 121.51E 33 5.4b,4.2s
DJA VIII 08 22 05 13 22.28N 121.62E 81 5.6W,4.2s
TAP VIII 08 22 05 14.8 21.60N 121.40E 76–0 5.7L,4.2s
BJI VIII 08 22 05 14.9 21.71N 121.49E 60 4.9b,4.8b

ISCJB VIII 08 22 05 15.6–.18 21.61N–.01 121.46E–.02 70–1 5.1b,4.8b
NEIC VIII 08 22 05 16.0–.52 21.57N 121.52E 63–4 5.1b,4.8b
GCMT VIII 08 22 05 16.7–.30 21.67N 121.34E 68–4 5.0W,4.8b
IDC VIII 08 22 05 17.3–1.3 21.62N 121.59E 75–9 4.8,4.7
JMA VIII 08 22 05 17.5–.20 21.73N 121.54E 122 5.4,4.7
SZGRF VIII 08 22 05 22.2 24.50N 122.50E 33 5.2b,4.7
MAN VIII 08 22 05 30 20.57N 121.12E 28 5.6b,5.0s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s251.00000°,δ76.00000°,λ-80.00000°. NP2:ϕ_s37.00000°,δ17.00000°,λ-123.00000°. $M_0$6.66000×10^{16}
MOS Error ellipse: s-maj=8.0km s-min=4.4km az=115.7.
TAP C.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=1.8km az=13.4.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=4.0km az=106.0.
GCMT Event type se. Data Used: G IU CN II IC. Moment Tensor Solution. s24,c31; s68,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}0.06±.16 $M_{\theta\theta}$1.88±.13; $M_{\phi\phi}$-1.94±.14; $M_{r\theta}$2.13±.07; $M_{\theta\phi}$0.22±.11; $M_{\phi r}$-1.84±.09; Best double couple: NP1:ϕ_s41.00000°,δ34.00000°,λ179.00000°. NP2:ϕ_s132.00000°,δ89.00000°,λ56.00000°. Principal axes: T 3.4300,Plg36.0000° ,Azm12.0000°; N -0.0500,Plg34.0000°,Azm132.0000°; P -3.3900,Plg35.0000° ,Azm251.0000° $M_0$3.40000×10^{16}
IDC Error ellipse: s-maj=15.3km s-min=11.1km az=65.0.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
SZGRF Taiwan region.

ISC VIII 09 15 05 18.5–.60 24.48N–.04 122.29E–.02 63–8 57 0-2
ISCJB VIII 09 15 05 18.0–.59 24.47N–.04 122.29E–.02 65–8 ¶13391255
TAP VIII 09 15 05 17.2 24.53N 122.22E 79–0 2.9L
JMA VIII 09 15 05 17.4–.20 24.71N 122.32E 73 1.8
ISCJB Error ellipse: s-maj=6.6km s-min=3.1km az=168.9.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.

ISC VIII 10 19 31 47.0–.52 23.96N–.03 122.55E–.02 1–4 48 1-2
TAP VIII 10 19 31 48.1 24.02N 122.54E 21–0 2.9L ¶13391362
JMA VIII 10 19 31 48.7–.30 24.12N 122.50E 27 2.3
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC VIII 11 14 53 26.9–7.2 21.2N–.10 121.3E–.10 2–46 3.6b,3.1s 15 2-72
NIED VIII 11 14 53 00 21.40N 121.00E 8 4.0W,3.1s ¶11747363
IDC VIII 11 14 53 26.5–.93 21.22N 121.33E 0 3.8,3.7b
ISCJB VIII 11 14 53 27.1–4.8 21.2N–.10 121.2E–.20 17–35 3.6b,3.1s
NEIC VIII 11 14 53 27.9–.84 21.26N 121.29E 10 3.6,3.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s4.00000°,δ81.00000°,λ122.00000°. NP2:ϕ_s109.00000°,δ33.00000°,λ17.00000°. $M_0$9.90000×10^{14}
IDC Error ellipse: s-maj=33.4km s-min=18.5km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=19.4km az=163.1.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=11.6km az=88.0.

ISC VIII 12 08 32 26.6–.51 22.16N–.03 121.03E–.02 47–5 116 0-4
ISCJB VIII 12 08 32 25.9–.52 22.16N–.03 121.05E–.03 52–5 ¶11169812
TAP VIII 12 08 32 25.9 22.18N 121.06E 42–0 3.9L
JMA VIII 12 08 32 26.6–.40 22.09N 121.17E 76 3.5
NEIC VIII 12 08 32 28.2–7.3 22.48N 120.82E 10 3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.8km az=27.3.
TAP B.
JMA Error ellipse: s-maj=5.6km s-min=5.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=65.0km s-min=29.0km az=195.0.

ISC VIII 12 08 37 12.1–.50 24.03N–.02 122.26E–.02 18–3 114 1-2
NEIC VIII 12 08 37 10.7–2.8 24.04N 122.29E 10 3.2 ¶12099888
ISCJB VIII 12 08 37 11.7–.40 24.00N–.02 122.27E–.02 15–4 3.2
TAP VIII 12 08 37 12.6 24.07N 122.25E 33–0 3.7L
JMA VIII 12 08 37 13.3–.40 24.19N 122.26E 56 3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=12.4km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.5km az=137.3.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.

ISC VIII 12 10 44 57.8–.94 21.62N–.06 121.37E–.03 20–4 53 0-4
TAP VIII 12 10 44 57.5 21.65N 121.33E 30–0 3.3L ¶13391509
JMA VIII 12 10 45 01.2–.20 21.70N 121.63E 134 2.8
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.

ISC VIII 12 12 02 00.1–1.7 21.08N–.07 121.09E–.06 16–16 41 1-5
JMA VIII 12 12 01 58.8–.60 21.09N 121.29E 0 4.0 ¶13391517
TAP VIII 12 12 02 00.1 21.08N 121.13E 62–2 3.6L
JMA Error ellipse: s-maj=6.7km s-min=8.3km az=-1.0.
TAP D.

TAP VIII 14 20 01 45.1 21.98N 121.73E 128–0 3.7L
¶13644255
TAP D.

ISC VIII 14 21 41 39.2–.52 21.77N–.03 120.38E–.03 35–3 3.7b 120 0-80
IDC VIII 14 21 41 33.7–.90 21.72N 120.63E 0 3.9,3.8 ¶11652934
TAP VIII 14 21 41 37.1 21.72N 120.33E 44–0 3.8L,3.8
JMA VIII 14 21 41 38.3–.40 21.41N 120.79E 48 3.6,3.8
ISCJB VIII 14 21 41 38.5–.44 21.77N–.03 120.41E–.03 51–4 3.7b,3.8
NEIC VIII 14 21 41 38.1–2.6 21.69N 120.58E 29–20 3.6b,3.8
BJI VIII 14 21 41 41.6 21.69N 119.59E 15 4.3b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=17.5km az=67.0.
TAP D.
JMA Error ellipse: s-maj=6.7km s-min=6.2km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.3km az=44.6.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.1km az=143.0.

ISC VIII 15 06 34 37.7–.32 25.35N–.05 122.54E–.03 223–3 3.3b 99 1-81
ISCJB VIII 15 06 34 36.8–.32 25.37N–.05 122.53E–.03 227–3 3.3b ¶12581092
TAP VIII 15 06 34 37.6 25.40N 122.50E 231–0 4.3L
IDC VIII 15 06 34 40.4–5.6 25.43N 122.48E 255–55 3.2,3.0b
JMA VIII 15 06 34 40.0–.30 25.43N 122.50E 197 4.1,3.0b
ISCJB Error ellipse: s-maj=8.1km s-min=3.4km az=161.3.
TAP D.
IDC Error ellipse: s-maj=38.0km s-min=23.3km az=64.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.

ISC VIII 16 08 18 41.6–.34 24.69N–.03 122.60E–.02 100–4 3.8b 120 0-49
ISCJB VIII 16 08 18 40.8–.34 24.69N–.03 122.60E–.02 104–3 3.8b ¶12581125
TAP VIII 16 08 18 41.4 24.67N 122.63E 95–1 4.4L
JMA VIII 16 08 18 41.7–.20 24.85N 122.61E 93–3 2.9
IDC VIII 16 08 18 49.8–14 24.76N 123.19E 176–121 3.5,3.3b
ISCJB Error ellipse: s-maj=4.3km s-min=2.6km az=162.5.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=310.9km s-min=42.0km az=87.0.

ISC VIII 16 09 10 29.0–.64 24.36N–.04 122.43E–.02 64–10 51 1-2
ISCJB VIII 16 09 10 28.5–.62 24.36N–.04 122.43E–.02 66–10 ¶13391867
TAP VIII 16 09 10 28.3 24.35N 122.47E 48–1 2.9L
JMA VIII 16 09 10 28.8–.20 24.61N 122.49E 71–1 1.9
ISCJB Error ellipse: s-maj=7.2km s-min=3.1km az=174.2.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.

TAP VIII 16 10 21 48.9 21.15N 122.38E 115–1 3.6L
¶13644325
TAP D.

ISC VIII 17 06 37 20.9–2.5 21.15N–.07 120.94E–.08 14–16 3.6b 27 2-72
NIED VIII 17 06 37 00 20.90N 121.50E 17 4.0W ¶11747426
IDC VIII 17 06 37 18.3–1.0 21.31N 121.42E 0 3.9,3.7
JMA VIII 17 06 37 19.7–.30 20.95N 121.47E 0 4.4,3.7
NEIC VIII 17 06 37 20.1–.71 21.19N 121.10E 10 4.4,3.7
ISCJB VIII 17 06 37 21.0–2.3 21.14N–.07 120.98E–.07 30–18 3.6b,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s40.00000°,δ70.00000°,λ56.00000°. NP2:ϕ_s284.00000°,δ39.00000°,λ147.00000°. $M_0$1.19000×10^{15}
NEIC Event type se.
ISCJB Event type se.

ISC VIII 17 06 48 16.4–.38 24.35N–.02 122.12E–.02 10–3 91 0-2
ISCJB VIII 17 06 48 15.6–.39 24.35N–.02 122.13E–.02 4–3 ¶12099999
NEIC VIII 17 06 48 15.8–3.6 24.30N 122.09E 10 3.0
JMA VIII 17 06 48 16.7–.40 24.88N 122.16E 33 3.0
TAP VIII 17 06 48 17.1 24.36N 122.01E 23–0 3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.4km az=149.0.
NEIC Event type se. Error ellipse: s-maj=36.0km s-min=9.8km az=89.0.
JMA Error ellipse: s-maj=7.8km s-min=5.0km az=-1.0.
TAP B.

ISC VIII 18 06 36 50.2–.52 24.44N–.05 122.92E–.02 58–8 53 0-3
ISCJB VIII 18 06 36 49.6–.55 24.42N–.05 122.92E–.02 60–8 ¶13391993
TAP VIII 18 06 36 50.0 24.45N 122.87E 66–0 3.5L
JMA VIII 18 06 36 49.1–.10 24.52N 122.93E 66–1 3.0
ISCJB Error ellipse: s-maj=8.6km s-min=3.7km az=6.0.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.

TAP VIII 18 13 16 42.0 23.03N 122.84E 78–2 3.4L
JMA VIII 18 13 16 41.7–.30 23.05N 122.97E 64 2.4 ¶13392010
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC VIII 19 12 49 01.1–.80 24.76N–.05 122.41E–.03 115–6 57 0-2
ISCJB VIII 19 12 49 00.8–.78 24.74N–.05 122.41E–.03 115–6 ¶13392105
TAP VIII 19 12 49 00.8 24.74N 122.44E 115–1 3.1L
JMA VIII 19 12 49 00.0–.20 24.90N 122.44E 123 2.0
ISCJB Error ellipse: s-maj=8.1km s-min=3.8km az=168.4.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.

ISC VIII 19 14 33 26.1–.37 22.91N–.01 121.55E–.02 7–2 3.8b 124 0-79
IDC VIII 19 14 33 23.9–.94 22.99N 121.80E 0 3.9,3.9 ¶11169881
NEIC VIII 19 14 33 25.7–.78 22.91N 121.56E 10 3.9,3.9
ISCJB VIII 19 14 33 25.6–.46 22.90N–.02 121.57E–.02 8–3 3.8b,3.9
BJI VIII 19 14 33 26.6 23.10N 121.41E 10 4.5b,4.5b
TAP VIII 19 14 33 27.5 22.97N 121.42E 12–0 4.2L,4.5b
JMA VIII 19 14 33 29.1–.30 22.72N 121.81E 104 2.9,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=18.1km az=64.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.3km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.4km az=41.8.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.

ISC VIII 20 05 10 36.5–.70 22.08N–.03 121.52E–.03 1–4 65 0-4
ISCJB VIII 20 05 10 36.8–.64 22.02N–.04 121.52E–.03 15–5 ¶12100080
JMA VIII 20 05 10 38.4–.40 22.20N 121.72E 0 3.5
TAP VIII 20 05 10 38.0 22.06N 121.37E 16–0 3.5L
NEIC VIII 20 05 10 39.9–4.3 22.27N 121.63E 10 3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.6km az=169.0.
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
TAP C.
NEIC Event type se. Error ellipse: s-maj=43.0km s-min=22.7km az=170.0.

ISC VIII 20 23 53 46.6–3.2 21.14N–.09 120.2E–.10 18–19 3.6b 19 2-67
NEIC VIII 20 23 53 45.3–.58 21.14N 120.18E 10 4.3b ¶11908511
IDC VIII 20 23 53 45.1–1.7 21.38N 121.53E 0 3.7,3.5
ISCJB VIII 20 23 53 47.0–.76 21.13N–.07 120.3E–.10 33 3.6b,3.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC VIII 21 04 04 42.0–.24 24.75N–.02 122.50E–.02 119–2 4.0b 143 1-95
ISCJB VIII 21 04 04 41.0–.24 24.75N–.02 122.51E–.02 123–2 4.0b ¶11908520
NEIC VIII 21 04 04 41.7–1.1 24.80N 122.45E 123–9 4.0b
TAP VIII 21 04 04 42.5 24.75N 122.48E 115–0 4.7L
JMA VIII 21 04 04 42.5–.20 24.83N 122.53E 113–3 3.6
IDC VIII 21 04 04 43.3–4.7 24.72N 122.29E 138–45 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=158.5.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=8.6km az=78.0.
TAP D.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=30.4km s-min=11.8km az=69.0.

ISC VIII 21 06 53 12.2–.21 23.76N–.02 122.54E–.02 38 4.6b,4.0s 230 1-96
NIED VIII 21 06 53 00 23.90N 122.50E 20 4.6W,4.0s ¶11180590
NEIC VIII 21 06 53 08.0–1.6 23.85N 122.60E 7–9 5.0b,4.0s
BJI VIII 21 06 53 09.2 23.83N 122.51E 20 4.8b,4.6b
MOS VIII 21 06 53 10.5–1.2 23.91N 122.63E 33 5.0b,4.6b
ISCJB VIII 21 06 53 10.9–.21 23.75N–.02 122.56E–.01 36 4.6b,4.0s
JMA VIII 21 06 53 11.6–.30 23.86N 122.52E 33 4.5,4.0s
TAP VIII 21 06 53 11.2 23.82N 122.50E 30–0 4.9L,4.0s
IDC VIII 21 06 53 12.2–.55 23.96N 122.68E 35–3 4.3,4.2
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s60.00000°,δ79.00000°,λ70.00000°. NP2:ϕ_s303.00000°,δ23.00000°,λ151.00000°. $M_0$7.70000×10^{15}
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=7.4km az=124.0.
MOS Error ellipse: s-maj=17.9km s-min=7.5km az=121.9.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=1.8km az=159.2.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP C.
IDC Error ellipse: s-maj=18.8km s-min=11.5km az=58.0.

ISC VIII 21 06 54 29.8–.56 23.75N–.03 122.56E–.04 40 4.0b 69 1-74
TAP VIII 21 06 54 28.9 23.82N 122.51E 27–1 4.4L ¶12581254
IDC VIII 21 06 54 28.9–6.7 24.11N 123.32E 37–7 4.0,4.0
ISCJB VIII 21 06 54 29.1–.56 23.75N–.03 122.56E–.04 38 4.0b,4.0
TAP D.

ISC VIII 21 06 56 50.3–.52 23.74N–.03 122.50E–.02 1–4 50 1-2
TAP VIII 21 06 56 52.3 23.82N 122.51E 30–1 3.5L ¶13392244
JMA VIII 21 06 56 53.4–.30 23.89N 122.54E 9 2.8
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.

ISC VIII 22 01 37 50.3–.75 24.83N–.04 122.09E–.03 99–6 60 0-2
ISCJB VIII 22 01 37 49.9–.72 24.83N–.04 122.09E–.03 100–5 ¶13392296
JMA VIII 22 01 37 49.7–.30 24.86N 122.11E 106 2.7
TAP VIII 22 01 37 49.9 24.86N 122.06E 103–1 3.6L
ISCJB Error ellipse: s-maj=6.5km s-min=3.7km az=163.6.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
TAP D.

ISC VIII 22 12 34 21.2–.45 22.99N–.02 121.66E–.02 14–2 112 0-3
NEIC VIII 22 12 34 19.6–2.6 22.96N 121.75E 10 ¶12100156
ISCJB VIII 22 12 34 20.9–.50 22.99N–.02 121.69E–.02 14–3
TAP VIII 22 12 34 22.3 23.00N 121.61E 14–0 3.6L
JMA VIII 22 12 34 22.9–.30 23.00N 121.76E 22 3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=11.5km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.4km az=152.0.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.

TAP VIII 22 18 37 56.7 24.14N 122.52E 46–0 3.6L
JMA VIII 22 18 37 56.3–.20 24.27N 122.50E 48–5 2.6 ¶13392345
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.

ISC VIII 22 20 16 04.6–2.2 21.24N–.05 121.04E–.06 20–16 4.2b,3.6s 49 2-82
NIED VIII 22 20 16 00 21.50N 121.30E 35 4.5W,3.6s ¶11747478
IDC VIII 22 20 16 01.3–.74 21.25N 121.31E 0 4.1,4.0
NEIC VIII 22 20 16 02.9–4.8 21.27N 121.21E 13–30 4.4b,4.0
ISCJB VIII 22 20 16 04.1–2.1 21.23N–.05 121.05E–.06 32–15 4.2b,3.6s
JMA VIII 22 20 16 08.6–.40 21.51N 121.34E 196 3.9,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ79.00000°,λ77.00000°. NP2:ϕ_s273.00000°,δ17.00000°,λ140.00000°. $M_0$7.18000×10^{15}
IDC Error ellipse: s-maj=31.4km s-min=14.7km az=68.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=10.8km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.8km az=135.9.

JMA Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
ISC VIII 22 21 10 41.1–.57 22.04N–.03 121.36E–.03 7–3 95 0-4
ISCJB VIII 22 21 10 40.4–.61 22.00N–.04 121.38E–.02 13–6 **¶12100169**
NEIC VIII 22 21 10 41.7–6.0 22.12N 121.34E 10 3.5
TAP VIII 22 21 10 41.7 21.98N 121.22E 33–0 3.6L
JMA VIII 22 21 10 42.3–.20 21.96N 121.39E 90 3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.6km az=5.7.
NEIC Event type se. Error ellipse: s-maj=64.5km s-min=34.6km az=192.0.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
ISC VIII 23 12 23 05.7–.76 23.95N–.04 122.83E–.02 12–6 43 1-2
ISCJB VIII 23 12 23 05.6–1.3 23.93N–.03 122.83E–.02 12–10 **¶13392391**
TAP VIII 23 12 23 05.5 23.88N 122.89E 90–2 3.1L
JMA VIII 23 12 23 06.6–.30 23.98N 122.85E 23 2.7
ISCJB Error ellipse: s-maj=5.9km s-min=2.9km az=173.7.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VIII 23 22 37 16.6–.71 24.66N–.04 122.40E–.02 89–6 60 1-2
TAP VIII 23 22 37 15.6 24.71N 122.36E 98–0 3.4L **¶13392432**
ISCJB VIII 23 22 37 16.1–.71 24.66N–.04 122.40E–.02 90–6 3.4L
JMA VIII 23 22 37 16.3–.10 24.66N 122.42E 93 2.1
TAP C.
ISCJB Error ellipse: s-maj=7.1km s-min=3.4km az=173.3.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC VIII 24 04 29 36.8–.98 24.80N–.06 122.44E–.03 102–7 40 0-2
TAP VIII 24 04 29 36.0 24.85N 122.42E 104–0 3.3L **¶13392451**
JMA VIII 24 04 29 35.8–.20 24.85N 122.42E 104 2.0
ISCJB VIII 24 04 29 36.4–.96 24.79N–.06 122.44E–.03 102–7 2.0
TAP C.
ISC VIII 24 04 38 52.7–.57 24.38N–.04 122.50E–.02 64–9 63 0-2
ISCJB VIII 24 04 38 52.2–.55 24.38N–.04 122.50E–.02 66–8 **¶13392452**
TAP VIII 24 04 38 52.0 24.40N 122.42E 79–0 3.3L
JMA VIII 24 04 38 52.2–.20 24.60N 122.55E 73–1 2.3
ISCJB Error ellipse: s-maj=6.1km s-min=2.9km az=176.4.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC VIII 25 02 39 43.3–.51 21.17N–.07 121.3E–.10 35 5.5s,4.1b 27 4-86
NIED VIII 25 02 39 00 21.10N 121.30E 8 4.7W,4.1b **¶11653075**
IDC VIII 25 02 39 38.1–.65 21.10N 121.23E 0 5.5,5.5s
BJI VIII 25 02 39 40.5 21.16N 120.84E 20 4.5s,4.5b
ISCJB VIII 25 02 39 41.1–.51 21.15N–.07 121.3E–.10 33 5.5s,4.1b
NEIC VIII 25 02 39 44.5–2.2 21.11N 121.22E 46–21 4.4b,4.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s310.00000°,δ68.00000°,λ-55.00000°. NP2:ϕ_s69.00000°,δ41.00000°,λ-145.00000°. $M_0$1.06000×10^{16}
IDC Error ellipse: s-maj=25.1km s-min=14.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=9.0km az=158.3.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=12.6km az=70.0.
ISC VIII 26 04 08 31.6–.24 23.99N–.02 122.60E–.02 43–6 3.8b 145 1-58
NIED VIII 26 04 08 00 24.10N 122.50E 44 4.1W **¶11747508**
IDC VIII 26 04 08 25.4–.95 24.01N 122.42E 0 4.0,3.9b
ISCJB VIII 26 04 08 30.8–.24 23.98N–.02 122.60E–.02 50–5 3.8b,3.9b
TAP VIII 26 04 08 30.9 24.02N 122.58E 44–0 4.5L,3.9b
JMA VIII 26 04 08 30.3–.20 24.05N 122.52E 48 3.7,3.9b
NEIC VIII 26 04 08 31.4–.76 24.04N 122.54E 47–8 4.1,3.9b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ74.00000°,λ-60.00000°. NP2:ϕ_s24.00000°,δ33.00000°,λ-150.00000°. $M_0$1.75000×10^{15}
IDC Error ellipse: s-maj=42.3km s-min=17.3km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.3km az=158.3.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.9km az=104.0.
ISC VIII 26 13 29 54.6–.43 23.98N–.02 122.43E–.02 4–3 68 1-2
ISCJB VIII 26 13 29 54.4–.63 23.98N–.02 122.43E–.02 4–4 **¶13392650**
TAP VIII 26 13 29 56.5 24.06N 122.36E 21–0 3.3L
JMA VIII 26 13 29 56.5–.20 24.14N 122.39E 26 2.8
ISCJB Error ellipse: s-maj=3.8km s-min=2.5km az=171.2.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC VIII 28 01 33 26.9–.90 24.68N–.06 122.57E–.03 104–8 42 0-2
TAP VIII 28 01 33 25.6 24.71N 122.53E 118–0 3.3L **¶13392791**
JMA VIII 28 01 33 25.5–.30 24.81N 122.59E 111 2.1
ISCJB VIII 28 01 33 26.4–.87 24.67N–.06 122.57E–.03 105–7 2.1
TAP C.
ISC VIII 29 10 02 36.6–.59 23.93N–.02 122.52E–.02 11–4 63 1-2
ISCJB VIII 29 10 02 37.1–.46 23.92N–.03 122.53E–.02 16–5 **¶13392890**
TAP VIII 29 10 02 38.4 23.99N 122.47E 26–0 3.1L
JMA VIII 29 10 02 38.1–.20 24.04N 122.54E 19 2.8
ISCJB Error ellipse: s-maj=4.4km s-min=2.7km az=162.0.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC VIII 30 22 12 21.2–.59 22.83N–.03 121.71E–.02 16–3 61 0-3
ISCJB VIII 30 22 12 21.0–.63 22.82N–.03 121.74E–.03 18–7 **¶13393012**
TAP VIII 30 22 12 22.7 22.84N 121.64E 15–0 3.1L
JMA VIII 30 22 12 23.6–.30 22.85N 121.77E 62 3.1L
ISCJB Error ellipse: s-maj=5.3km s-min=4.6km az=18.6.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC VIII 31 10 45 40.5–.42 22.86N–.02 121.82E–.02 0–2 3.9b,3.6s 167 0-80
NIED VIII 31 10 45 00 22.90N 121.80E 5 4.2W,3.6s **¶11653153**
IDC VIII 31 10 45 39.9–.73 22.76N 121.94E 0 4.0,3.9
ISCJB VIII 31 10 45 40.5–.55 22.84N–.02 121.82E–.02 9–4 3.8b,3.6s
NEIC VIII 31 10 45 42.1–.70 22.89N 121.78E 10 4.2b,3.6s
TAP VIII 31 10 45 42.7 22.83N 121.69E 14–0 4.6L,3.6s
JMA VIII 31 10 45 44.8–.20 22.91N 121.81E 68 4.2,3.6s
BJI VIII 31 10 45 49.5 23.21N 121.04E 10 4.4b,4.2b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s126.00000°,δ62.00000°,λ-34.00000°. NP2:ϕ_s234.00000°,δ60.00000°,λ-147.00000°. $M_0$2.27000×10^{15}
IDC Error ellipse: s-maj=21.3km s-min=15.5km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.5km az=168.5.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.8km az=108.0.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VIII 31 18 22 07.9–.23 22.96N–.01 121.04E–.02 4–3 128 0-4
TAP VIII 31 18 22 07.0 22.95N 120.96E 5–0 3.7L **¶11227328**
JMA VIII 31 18 22 06.6–.30 22.70N 120.97E 50 3.2
NEIC VIII 31 18 22 07.7–1.1 22.97N 120.99E 10 3.2
ISC Event type se.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.2km az=72.0.
ISC IX 01 04 02 35.9–.00 24.42N–.07 122.62E–.03 84–10 28 0-2
TAP IX 01 04 02 34.7 24.54N 122.50E 109–0 3.1L **¶13645082**
ISCJB IX 01 04 02 35.4–1.0 24.42N–.07 122.62E–.03 85–11 3.1L
JMA IX 01 04 02 35.9–.20 24.62N 122.66E 84–2 2.0
TAP D.
ISCJB Error ellipse: s-maj=11.6km s-min=3.9km az=177.4.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC IX 02 08 36 07.5–.56 22.12N–.03 121.94E–.03 35 75 0-4
ISCJB IX 02 08 36 06.6–.55 22.11N–.03 121.99E–.02 33 **¶13645135**
JMA IX 02 08 36 09.1–.40 22.25N 122.06E 90 3.4
TAP IX 02 08 36 09.3 22.20N 121.77E 21–0 3.7L
ISCJB Error ellipse: s-maj=4.9km s-min=2.9km az=157.0.
JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
TAP D.
ISC IX 02 15 51 34.1–.36 22.99N–.02 121.52E–.02 26–2 116 0-3
ISCJB IX 02 15 51 33.7–.34 22.99N–.02 121.55E–.02 27–2 **¶13645157**
NEIC IX 02 15 51 33.3–3.4 22.97N 121.55E 30–12
TAP IX 02 15 51 33.6 22.97N 121.52E 38–1 3.5L
JMA IX 02 15 51 35.4–.30 23.03N 121.62E 98 2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.5km az=34.6.
NEIC Event type se. Error ellipse: s-maj=42.1km s-min=14.2km az=125.0.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC IX 02 16 31 51.6–.45 22.86N–.02 121.38E–.02 16–3 66 0-4
ISCJB IX 02 16 31 51.2–.48 22.86N–.02 121.42E–.03 16–6 **¶13645160**
TAP IX 02 16 31 52.3 22.90N 121.30E 22–0 3.1L
JMA IX 02 16 31 53.5–.10 22.70N 121.57E 84 3.1L
ISCJB Error ellipse: s-maj=4.5km s-min=3.6km az=176.2.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
ISC IX 03 18 55 31.1–.46 23.91N–.02 122.47E–.01 11–3 4.0b 147 1-74
NIED IX 03 18 55 00 24.10N 122.40E 29 4.0W **¶11747599**
IDC IX 03 18 55 28.9–1.0 23.92N 122.11E 0 4.2,4.1
BJI IX 03 18 55 29.9 24.13N 122.38E 8 3.7b,3.3L
ISCJB IX 03 18 55 31.6–.38 23.90N–.02 122.49E–.02 21–3 4.0b,3.3L
NEIC IX 03 18 55 31.7–2.7 23.99N 122.44E 22–17 4.2b,3.3L
TAP IX 03 18 55 32.1 23.97N 122.47E 28–0 4.3L,3.3L
JMA IX 03 18 55 33.2–.20 24.08N 122.43E 38 3.9,3.3L
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s70.00000°,δ85.00000°,λ69.00000°. NP2:ϕ_s328.00000°,δ21.00000°,λ167.00000°. $M_0$9.75000×10^{14}
IDC Error ellipse: s-maj=60.4km s-min=17.4km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.2km az=156.7.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=8.5km az=84.0.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC IX 03 20 37 13.2–.37 22.92N–.01 121.44E–.02 16–2 110 0-3
ISCJB IX 03 20 37 13.4–.32 22.91N–.01 121.45E–.02 25–3 **¶13645238**
TAP IX 03 20 37 13.2 22.92N 121.41E 20–1 3.5L
JMA IX 03 20 37 15.1–.30 22.85N 121.55E 68 2.8
ISCJB Error ellipse: s-maj=3.2km s-min=2.4km az=15.3.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC IX 03 23 11 43.6–.44 24.08N–.02 122.32E–.02 16–2 3.7b 147 1-74
NIED IX 03 23 11 00 24.10N 122.30E 26 3.9W **¶11747601**
IDC IX 03 23 11 40.2–1.1 23.94N 121.77E 0 3.8,3.7b
ISCJB IX 03 23 11 43.6–.37 24.05N–.02 122.33E–.02 21–3 3.7b,3.7b
TAP IX 03 23 11 44.4 24.12N 122.27E 25–0 4.1L,3.7b
JMA IX 03 23 11 45.0–.30 24.15N 122.29E 33 3.9,3.7b
NEIC IX 03 23 11 45.2–1.2 24.09N 122.25E 38–10 3.7b,3.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s231.00000°,δ70.00000°,λ-55.00000°. NP2:ϕ_s348.00000°,δ39.00000°,λ-147.00000°. $M_0$6.91000×10^{14}
IDC Error ellipse: s-maj=68.3km s-min=17.1km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.2km az=149.1.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=6.8km az=76.0.
TAP IX 05 09 51 45.0 24.21N 119.52E 21–1 3.1L
¶13645319
TAP D.
ISC IX 05 11 33 24.1–2.1 21.1N–.10 122.1E–.20 0 12 3-5
NIED IX 05 11 33 00 21.10N 122.20E 5 4.1W **¶11747622**
JMA IX 05 11 33 22.5–.40 21.10N 122.23E 0 3.5
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s230.00000°,δ81.00000°,λ-88.00000°. NP2:ϕ_s39.00000°,δ9.00000°,λ-101.00000°. $M_0$1.86000×10^{15}
JMA Error ellipse: s-maj=3.3km s-min=5.2km az=-1.0.
ISC IX 07 01 38 33.7–.96 24.46N–.08 122.87E–.03 90–9 30 0-2
ISCJB IX 07 01 38 33.2–.97 24.47N–.08 122.87E–.03 91–9 **¶13645414**
TAP IX 07 01 38 33.0 24.48N 122.84E 102–1 3.1L
JMA IX 07 01 38 33.3–.10 24.62N 122.92E 93–1 2.4
ISCJB Error ellipse: s-maj=13.0km s-min=4.0km az=177.6.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP IX 07 23 08 54.6 22.87N 121.42E 33–1 1.9L
¶13645465
TAP D.
ISC IX 08 02 20 52.4–.58 24.77N–.04 122.12E–.02 75–5 71 0-3
ISCJB IX 08 02 20 51.9–.56 24.77N–.04 122.11E–.02 77–5 **¶13645479**
TAP IX 08 02 20 51.9 24.77N 122.10E 77–0 3.4L
JMA IX 08 02 20 51.8–.30 24.77N 122.13E 80 2.5
ISCJB Error ellipse: s-maj=6.1km s-min=3.3km az=162.5.
TAP D.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISC IX 08 12 53 04.6–.59 21.60N–.03 121.07E–.03 17–3 3.9b,3.7s 107 0-80
NIED IX 08 12 53 00 21.60N 121.30E 8 4.0W,3.7s **¶11747661**
IDC IX 08 12 53 02.4–.86 21.44N 121.00E 0 4.1,4.0
NEIC IX 08 12 53 03.8–.76 21.59N 121.13E 10 4.1,4.0
TAP IX 08 12 53 03.9 21.60N 121.02E 17–1 4.1L,4.0
JMA IX 08 12 53 03.0–.50 21.64N 121.30E 0 4.1,4.0
ISCJB IX 08 12 53 03.6–.62 21.58N–.03 121.13E–.03 20–4 3.9b,3.7s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s288.00000°,δ66.00000°,λ-97.00000°. NP2:ϕ_s125.00000°,δ25.00000°,λ-74.00000°. $M_0$1.18000×10^{15}
NEIC Event type se.
TAP D.
ISCJB Event type se.
ISC IX 09 07 43 14.6–.09 24.63N–.01 122.53E–.01 115 5.1b 676 0-178
NIED IX 09 07 43 00 24.70N 122.60E 101 5.4W **¶13393857**
BJI IX 09 07 43 08.8 24.40N 122.83E 100 5.1b,4.9b
MOS IX 09 07 43 09.3–1.2 24.80N 122.60E 77 5.3b,4.9b
IDC IX 09 07 43 13.8–.49 24.71N 122.70E 111–4 4.7,4.6
ISCJB IX 09 07 43 13.2–.09 24.62N–.01 122.59E–.01 113 5.1b,4.6
NEIC IX 09 07 43 13.3–.34 24.67N 122.57E 102–3 5.2b,4.6
TAP IX 09 07 43 13.3 24.61N 122.63E 104–0 5.9L,4.6
JMA IX 09 07 43 13.7–.10 24.66N 122.63E 99–1 5.4,4.6
GCMT IX 09 07 43 16.0–.10 24.60N 122.51E 109–1 5.5W,4.6
DJA IX 09 07 43 19 24.57N 122.60E 152 6.0W,4.6
SZGRF IX 09 07 43 50.7 27.38N 121.68E 33 5.2b,4.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s42.00000°,δ70.00000°,λ-58.00000°. NP2:ϕ_s161.00000°,δ37.00000°,λ-146.00000°. $M_0$1.58000×10^{17}
MOS Error ellipse: s-maj=7.5km s-min=4.9km az=103.2.
IDC Error ellipse: s-maj=13.5km s-min=8.1km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.3km az=143.2.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.6km az=104.0. Felt [III] at Taipei. Recorded [4 TAP] at I-lan; [3 TAP] in Hua-lien; [2 TAP] in Chang-hua, Miao-li, Nan-t'ou, T'ai-chung, T'ai-pei, T'ai-tung, T'ao-yuan and Yun-lin; [1 TAP] in Chia-i, Kao-hsiung and T'ai-nan. Recorded [2 JMA] on Iriomote-jima, Ishigaki-jima and Yonaguni-jima; [1 JMA] on Miyako-jima and Tarama-shima, Ryukyu Islands.
TAP B.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 105 sta. Moment Tensor Solution. s76,c123; s99,c211; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36±.03 $M_{\theta\theta}$-1.36±.03; $M_{\phi\phi}$1.71±.03; $M_{r\theta}$1.05±.02; $M_{\theta\phi}$0.12±.03; $M_{\theta r}$-0.28±.02; Best double couple: NP1: ϕ_s222.00000°,δ62.00000°,λ-19.00000°. NP2:ϕ_s321.00000°,δ74.00000°,λ-150.00000°. Principal axes: T 1.7500,Plg8.0000°,Azm90.0000°; N 0.2900,Plg56.0000°,Azm348.0000° ; P -2.0400,Plg32.0000°,Azm185.0000° $M_0$1.90000×10^{17}
SZGRF Near coast of southeastern China.
ISC IX 10 11 55 35.4–.48 25.12N–.02 122.28E–.02 17–2 4.8s,4.7b 257 0-95
TAP IX 10 11 55 34.7 25.13N 122.26E 17–0 4.6L,4.7b **¶11255626**
ISCJB IX 10 11 55 34.6–.44 25.14N–.02 122.33E–.03 24–3 4.8s,4.7b
IDC IX 10 11 55 34.6–.56 25.14N 122.35E 16–3 4.5,4.4b
NEIC IX 10 11 55 35.1–.24 25.12N 122.29E 17 4.9b,4.4b
MOS IX 10 11 55 35.8–1.1 25.24N 122.36E 33 5.0b,4.4b
BJI IX 10 11 55 36.9 25.24N 122.17E 27 5.0L,4.9s
ISC Event type fe.

TAP C.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.0km az=23.6.
IDC Error ellipse: s-maj=17.2km s-min=11.1km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.6km az=123.0. Recorded [3 TAP] in T'ai-pei and [1 TAP] in I-lan.
MOS Error ellipse: s-maj=11.8km s-min=6.2km az=124.5.
TAP IX 11 08 47 26.4 24.80N 122.82E 122–1 3.6L
¶13645616
TAP D.
TAP IX 13 14 07 36.0 24.69N 122.57E 108–1 3.8L
¶13645716
TAP D.
TAP IX 15 05 21 38.2 22.19N 121.78E 152–0 3.7L
¶13645758
TAP D.
ISC IX 15 06 03 42.9–.94 25.07N–.04 122.29E–.04 12–4 4.0b 48 0-50
ISCJB IX 15 06 03 42.5–.97 25.08N–.04 122.29E–.04 8–4 4.0b **¶11910321**
TAP IX 15 06 03 42.9 25.05N 122.24E 12–0 3.6L
IDC IX 15 06 03 46.5–7.0 24.31N 122.73E 0 4.1,4.0b
ISCJB Error ellipse: s-maj=7.2km s-min=6.0km az=27.1.
TAP D.
IDC Error ellipse: s-maj=351.8km s-min=41.1km az=96.0.
ISC IX 15 15 08 24.9–.43 23.96N–.02 122.36E–.02 10–2 3.9b,3.1s 121 1-74
NIED IX 15 15 08 00 24.20N 122.30E 95 4.2W,3.1s **¶11747744**
IDC IX 15 15 08 22.6–1.1 23.94N 122.03E 0 4.0,4.0b
TAP IX 15 15 08 24.9 23.97N 122.28E 5–0 3.9L,4.0b
ISCJB IX 15 15 08 24.5–.66 23.93N–.02 122.37E–.02 10–4 3.9b,3.1s
JMA IX 15 15 08 27.2–.10 24.16N 122.32E 44 3.7,3.1s
NEIC IX 15 15 08 27.2–2.3 24.02N 122.25E 36–19 3.9b,3.1s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s354.00000°,δ90.00000°,λ170.00000°. NP2:ϕ_s84.00000°,δ80.00000°,λ0.00000°. $M_0$2.46000×10^{15}
IDC Error ellipse: s-maj=65.5km s-min=18.2km az=67.0.
TAP D.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.3km az=147.3.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=10.1km az=79.0.
ISC IX 16 06 44 16.4–.29 24.73N–.03 122.70E–.02 119–3 3.7b 103 0-59
NIED IX 16 06 44 00 24.80N 122.70E 135 4.0W **¶11747751**
IDC IX 16 06 44 02.3–1.8 24.70N 122.61E 0 3.9,3.8b
ISCJB IX 16 06 44 15.5–.30 24.72N–.03 122.70E–.02 123–3 3.7b,3.8b
TAP IX 16 06 44 17.1 24.70N 122.65E 116–0 4.3L,3.8b
JMA IX 16 06 44 17.2–.20 24.78N 122.69E 109–3 4.4,3.8b
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s70.00000°,δ74.00000°,λ22.00000°. NP2:ϕ_s333.00000°,δ69.00000°,λ163.00000°. $M_0$1.24000×10^{15}
IDC Error ellipse: s-maj=161.0km s-min=16.5km az=63.0.
ISCJB Error ellipse: s-maj=5.1km s-min=2.7km az=162.4.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC IX 17 10 13 55.8–.49 24.18N–.02 122.27E–.02 21–4 69 1-2
ISCJB IX 17 10 13 55.5–.44 24.16N–.02 122.28E–.02 22–4 **¶13645837**
TAP IX 17 10 13 55.6 24.19N 122.31E 24–1 3.3L
JMA IX 17 10 13 56.9 24.91N 122.41E 37 2.6
ISCJB Error ellipse: s-maj=4.2km s-min=2.9km az=149.4.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC IX 17 14 54 29.6–.53 23.93N–.02 122.51E–.02 9–3 72 1-2
ISCJB IX 17 14 54 30.4–.43 23.92N–.02 122.51E–.02 18–4 **¶13645845**
TAP IX 17 14 54 30.4 23.95N 122.39E 6–1 3.2L
JMA IX 17 14 54 32.0–.20 24.28N 122.46E 53 2.5
ISCJB Error ellipse: s-maj=3.8km s-min=2.7km az=159.8.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP IX 19 03 29 56.6 21.07N 120.19E 68–0 3.8L
¶13645919
TAP D.
ISC IX 19 03 43 46.3–.72 25.22N–.07 122.24E–.03 204–5 57 0-5
TAP IX 19 03 43 44.8 25.27N 122.16E 223–0 3.8L **¶13645921**
ISCJB IX 19 03 43 46.0–.73 25.22N–.07 122.24E–.03 204–5 3.8L
JMA IX 19 03 43 46.6–.20 25.22N 122.25E 203–4 3.1
TAP C.
ISCJB Error ellipse: s-maj=11.4km s-min=4.3km az=166.8.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC IX 19 07 16 15.0–.34 25.19N–.06 123.00E–.03 157–5 3.8b 58 1-74
ISCJB IX 19 07 16 14.0–.34 25.16N–.06 123.01E–.03 164–4 3.8b **¶11910611**
IDC IX 19 07 16 13.3–7.0 25.16N 122.84E 138–76 3.6b,3.6
NEIC IX 19 07 16 14.9–.59 25.19N 123.02E 156–6 4.1b,3.6
JMA IX 19 07 16 15.9–.30 25.17N 123.00E 151–4 4.0,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=3.9km az=160.9.
IDC Error ellipse: s-maj=79.9km s-min=15.7km az=64.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=10.6km az=151.0.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC IX 19 10 56 31.0–.50 24.04N–.02 122.34E–.02 12–3 63 1-3
ISCJB IX 19 10 56 31.4–1.1 24.02N–.02 122.35E–.02 15–8 **¶13645930**
TAP IX 19 10 56 31.3 24.05N 122.30E 14–1 2.8L
JMA IX 19 10 56 32.7–.30 24.16N 122.34E 27 1.9
ISCJB Error ellipse: s-maj=3.3km s-min=2.6km az=160.7.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC IX 20 08 42 29.2–.40 24.18N–.02 122.20E–.02 33–3 124 0-3
NEIC IX 20 08 42 23.7–3.9 24.20N 122.50E 10 3.0 **¶12952109**
ISCJB IX 20 08 42 28.8–.25 24.17N–.02 122.21E–.02 39–13 3.0
TAP IX 20 08 42 29.0 24.21N 122.15E 48–0 3.8L
JMA IX 20 08 42 28.9–.10 24.37N 122.23E 66–2 3.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.7km s-min=11.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.2km az=149.0.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC IX 20 09 51 28.3–.56 24.70N–.04 122.70E–.02 110–5 62 0-6
ISCJB IX 20 09 51 27.4–.55 24.71N–.04 122.71E–.02 114–5 **¶13645976**
TAP IX 20 09 51 28.1 24.65N 122.63E 118–0 3.4L
JMA IX 20 09 51 28.6–.20 24.83N 122.73E 104–2 1.9
ISCJB Error ellipse: s-maj=7.0km s-min=3.3km az=172.5.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC IX 20 16 08 55.2–.31 25.03N–.03 122.70E–.02 156–2 3.3b 134 1-71
IDC IX 20 16 08 36.8–1.8 25.26N 122.99E 0 3.6,3.5b **¶11910710**
NEIC IX 20 16 08 53.9–2.3 25.19N 122.81E 149–18 3.6,3.5b
ISCJB IX 20 16 08 54.5–.32 25.02N–.03 122.70E–.02 159–3 3.3b,3.5b
TAP IX 20 16 08 55.5 25.05N 122.76E 151–0 4.0L,3.5b
JMA IX 20 16 08 57.3–.40 25.00N 122.74E 143 3.4,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=168.0km s-min=19.5km az=66.0.
NEIC Event type se. Error ellipse: s-maj=49.8km s-min=11.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.7km az=161.2.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
ISC IX 21 01 09 32.7–.49 24.11N–.02 119.62E–.02 12–3 80 1-2
ISCJB IX 21 01 09 32.2–.74 24.13N–.02 119.58E–.04 13–7 **¶13646007**
TAP IX 21 01 09 32.4 24.09N 119.67E 7–0 3.7L
ISCJB Error ellipse: s-maj=5.7km s-min=3.5km az=6.5.
TAP D.
ISC IX 21 06 31 29.6–.85 24.57N–.06 122.67E–.03 99–7 43 0-2
TAP IX 21 06 31 28.8 24.61N 122.63E 106–0 3.1L **¶13646017**
ISCJB IX 21 06 31 29.1–.81 24.57N–.05 122.67E–.03 100–7 3.1L
JMA IX 21 06 31 29.9–.30 24.79N 122.83E 101 1.9
TAP C.
ISCJB Error ellipse: s-maj=9.0km s-min=3.7km az=174.0.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.

TAP IX 21 19 23 46.8 21.67N 122.58E 28–1 3.9L
¶13646049
TAP D.
TAP IX 23 07 03 35.8 21.84N 121.65E 137–0 3.7L
¶13646116
TAP C.
ISC IX 25 03 35 55.4–.41 24.33N–.02 122.01E–.02 14–3 58 0-2
ISCJB IX 25 03 35 54.9–.51 24.32N–.02 122.03E–.02 10–3 **¶13646194**
JMA IX 25 03 35 54.3–.30 25.14N 122.09E 32 2.5
TAP IX 25 03 35 55.1 24.33N 121.96E 22–0 3.2L
ISCJB Error ellipse: s-maj=3.5km s-min=2.9km az=137.1.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
TAP C.
ISC IX 25 07 51 56.4–.99 21.16N–.04 121.16E–.06 28–6 3.7b,3.0s 61 1-72
NIED IX 25 07 51 00 21.30N 121.10E 17 3.9W,3.0s **¶11747867**
TAP IX 25 07 51 54.6 21.20N 121.20E 74–1 4.0L,3.0s
NEIC IX 25 07 51 54.3–.82 21.13N 121.14E 10 3.9,3.0s
ISCJB IX 25 07 51 55.5–.89 21.12N–.05 121.19E–.06 33–9 3.7b,3.0s
IDC IX 25 07 52 02.2–6.3 21.17N 121.13E 82–64 3.7,3.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s95.00000°,δ82.00000°,λ-9.00000°. NP2:ϕ_s186.00000°,δ81.00000°,λ-172.00000°. $M_0$6.81000×10^{14}
TAP D.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=11.1km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=8.5km az=159.8.
IDC Error ellipse: s-maj=25.0km s-min=16.0km az=76.0.
ISC IX 25 09 29 04.7–.77 24.42N–.06 122.78E–.02 85–8 46 0-2
TAP IX 25 09 29 03.4 24.48N 122.85E 87–1 3.2L **¶13646201**
ISCJB IX 25 09 29 04.2–.81 24.42N–.06 122.78E–.02 85–8 3.2L
JMA IX 25 09 29 04.3–.20 24.62N 122.83E 88–2 1.9
TAP D.
ISCJB Error ellipse: s-maj=9.8km s-min=3.7km az=179.0.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC IX 25 11 40 34.4–.57 23.93N–.02 122.53E–.02 10–4 71 1-2
ISCJB IX 25 11 40 35.1–.43 23.91N–.02 122.53E–.02 16–5 **¶13646207**
TAP IX 25 11 40 36.0 24.00N 122.52E 27–1 3.0L
JMA IX 25 11 40 37.4–.20 24.11N 122.60E 24 2.3
ISCJB Error ellipse: s-maj=4.3km s-min=2.5km az=163.2.
TAP C.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC IX 25 15 40 23.8–.76 24.64N–.05 122.43E–.02 92–7 56 1-3
TAP IX 25 15 40 23.0 24.68N 122.41E 97–0 3.3L **¶13646218**
JMA IX 25 15 40 22.8–.20 24.88N 122.47E 92 1.8
ISCJB IX 25 15 40 23.4–.75 24.63N–.05 122.43E–.02 92–7 1.8
TAP C.
ISC IX 25 17 45 34.1–.57 24.76N–.03 122.00E–.02 80–5 79 0-3
ISCJB IX 25 17 45 33.6–.55 24.75N–.03 122.00E–.02 81–4 **¶13646223**
TAP IX 25 17 45 33.5 24.75N 121.97E 83–0 3.5L
JMA IX 25 17 45 33.5–.40 24.89N 122.02E 78 2.6
ISCJB Error ellipse: s-maj=5.6km s-min=3.4km az=158.4.
TAP C.
JMA Error ellipse: s-maj=7.8km s-min=4.0km az=-1.0.
ISC IX 25 23 02 39.1–.48 24.81N–.03 122.09E–.03 7–5 37 0-2
ISCJB IX 25 23 02 38.7–.53 24.81N–.03 122.10E–.03 5–5 **¶13646233**
JMA IX 25 23 02 38.3–.10 25.04N 122.09E 20
TAP IX 25 23 02 39.0 24.82N 122.03E 9–1 2.9L
ISCJB Error ellipse: s-maj=4.8km s-min=3.8km az=158.9.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP D.
TAP IX 26 08 42 16.0 24.85N 122.19E 17–0 3.6L
JMA IX 26 08 42 16.4–.10 24.91N 122.35E 0 2.6 **¶13646253**
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC IX 26 08 43 19.7–1.2 24.80N–.07 122.09E–.04 74–10 27 0-2
ISCJB IX 26 08 43 19.5–1.1 24.79N–.06 122.09E–.04 74–9 **¶13646254**
TAP IX 26 08 43 20.0 24.78N 121.96E 75–0 2.8L
JMA IX 26 08 43 37.5–.20 24.76N 122.92E 33–2 2.0
ISCJB Error ellipse: s-maj=10.6km s-min=6.5km az=172.0.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC IX 28 15 12 16.3–.16 24.72N–.02 122.64E–.02 105–1 4.2b 195 0-95
BJI IX 28 15 12 15.7 24.83N 122.63E 105 4.7b,4.2b **¶11313820**
ISCJB IX 28 15 12 15.4–.17 24.70N–.02 122.65E–.02 110–1 4.2b,4.2b
JMA IX 28 15 12 16.9–.20 24.80N 122.66E 96–2 4.3,4.2b
TAP IX 28 15 12 17.0 24.69N 122.63E 97–0 4.9L,4.2b
NEIC IX 28 15 12 17.1–.31 24.70N 122.55E 119 4.5b,4.2b
IDC IX 28 15 12 17.3–.73 24.80N 122.64E 119–6 3.9,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.2km az=164.7.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP B.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.5km az=135.0.
IDC Error ellipse: s-maj=13.1km s-min=10.4km az=78.0.
ISC IX 30 13 54 28.2–.67 24.51N–.04 122.20E–.02 69–8 51 0-2
ISCJB IX 30 13 54 27.8–.65 24.51N–.04 122.20E–.02 70–8 **¶13646392**
TAP IX 30 13 54 27.2 24.57N 122.15E 76–0 3.3L
JMA IX 30 13 54 27.7–.20 24.81N 122.27E 71 2.2
ISCJB Error ellipse: s-maj=6.3km s-min=3.5km az=165.2.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP X 01 08 39 40.0 21.85N 121.13E 6–0 3.5L
¶13646416
TAP D.
ISC X 01 16 23 16.7–.80 21.57N–.03 121.91E–.03 26–6 3.5b,3.2s 99 1-77
NIED X 01 16 23 00 21.60N 122.00E 44 4.1W,3.2s **¶11747931**
IDC X 01 16 23 12.4–1.0 21.38N 121.96E 0 3.8,3.6
NEIC X 01 16 23 13.5–.80 21.51N 122.00E 10 4.4,3.6
TAP X 01 16 23 15.7 21.56N 121.91E 20–1 4.0L,3.6
ISCJB X 01 16 23 16.4–.60 21.57N–.03 121.96E–.03 36–8 3.5b,3.2s
JMA X 01 16 23 17.3–.30 21.59N 121.98E 73 4.4,3.2s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s59.00000°,δ67.00000°,λ139.00000°. NP2:ϕ_s168.00000°,δ53.00000°,λ30.00000°. $M_0$1.57000×10^{15}
IDC Error ellipse: s-maj=26.6km s-min=19.7km az=80.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.9km az=74.0.
TAP D.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.9km az=162.5.
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
ISC X 02 03 04 01.2–.94 24.67N–.05 122.39E–.03 86–8 42 0-3
TAP X 02 03 03 59.8 24.76N 122.36E 95–0 3.5L **¶13646445**
ISCJB X 02 03 04 00.8–.93 24.67N–.05 122.39E–.02 86–8 3.5L
JMA X 02 03 04 00.1–.20 24.89N 122.44E 91 2.1
TAP C.
ISCJB Error ellipse: s-maj=8.4km s-min=3.5km az=170.3.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC X 02 16 22 22.6–.43 24.30N–.04 122.57E–.02 43–18 53 0-2
JMA X 02 16 22 21.6–.20 24.65N 122.60E 55–2 1.8 **¶13646476**
TAP X 02 16 22 21.0 24.30N 122.60E 60–1 2.9L
ISCJB X 02 16 22 22.1–.44 24.28N–.04 122.57E–.02 46–12 2.9L
TAP D.
ISC X 02 17 31 39.1–.43 24.81N–.04 122.40E–.02 10 35 0-2
ISCJB X 02 17 31 38.9–.43 24.82N–.04 122.40E–.02 10 **¶13646477**
TAP X 02 17 31 39.5 24.84N 122.39E 13–1 2.8L
JMA X 02 17 31 39.2–.20 24.70N 122.43E 0 2.0
ISCJB Error ellipse: s-maj=5.5km s-min=2.5km az=14.2.
TAP D.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISC X 03 03 11 24.2–.55 23.93N–.03 122.32E–.02 8–3 64 1-2
ISCJB X 03 03 11 23.9–.79 23.92N–.02 122.32E–.02 7–5 **¶13646503**
TAP X 03 03 11 24.2 23.97N 122.28E 7–1 3.4L
JMA X 03 03 11 26.1–.40 23.95N 122.40E 13 2.7

ISCJB Error ellipse: s-maj=4.0km s-min=2.5km az=162.1.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC X 03 10 43 19.5–.42 24.53N–.03 122.12E–.02 11–4 47 0-2
ISCJB X 03 10 43 18.9–.51 24.53N–.02 122.13E–.02 7–4 ¶13646511
JMA X 03 10 43 20.5–.30 24.62N 122.11E 44 2.1
TAP X 03 10 43 20.3 24.55N 122.01E 11–0 2.9L
ISCJB Error ellipse: s-maj=4.2km s-min=3.1km az=172.0.
JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.
TAP D.
ISC X 04 10 40 44.4–.66 24.84N–.04 122.07E–.03 100–5 76 0-3
ISCJB X 04 10 40 44.0–.64 24.84N–.03 122.07E–.02 102–4 ¶13646560
TAP X 04 10 40 43.8 24.85N 122.04E 104–0 3.4L
JMA X 04 10 40 44.6–.20 24.88N 122.09E 96–3 2.3
ISCJB Error ellipse: s-maj=5.8km s-min=3.5km az=161.9.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC X 04 16 37 14.4–.72 24.35N–.05 122.45E–.02 58–12 40 1-2
ISCJB X 04 16 37 13.9–.70 24.34N–.06 122.45E–.02 59–11 ¶13646567
TAP X 04 16 37 13.3 24.38N 122.43E 70–1 2.8L
JMA X 04 16 37 14.0–.10 24.69N 122.52E 67 1.4
ISCJB Error ellipse: s-maj=9.3km s-min=3.2km az=173.2.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC X 04 19 10 06.0–.51 24.82N–.04 122.27E–.02 99–5 84 0-6
ISCJB X 04 19 10 05.1–.48 24.84N–.03 122.28E–.02 103–4 ¶13646575
TAP X 04 19 10 05.2 24.83N 122.23E 105–0 3.9L
JMA X 04 19 10 05.7–.20 24.80N 122.30E 104–2 3.1
ISCJB Error ellipse: s-maj=5.8km s-min=3.1km az=168.9.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC X 05 02 41 21.1–.86 24.71N–.06 122.42E–.03 91–7 43 0-2
JMA X 05 02 41 19.6–.30 24.96N 122.42E 93 2.1 ¶13646593
ISCJB X 05 02 41 20.7–.85 24.71N–.06 122.42E–.03 92–7 2.1
TAP X 05 02 41 20.4 24.75N 122.38E 95–0 3.1L
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISCJB Error ellipse: s-maj=10.0km s-min=4.0km az=168.9.
TAP C.
ISC X 05 06 26 38.4–.46 23.94N–.02 122.13E–.02 25–3 71 0-2
ISCJB X 05 06 26 38.2–.43 23.94N–.02 122.13E–.02 28–3 ¶13646600
TAP X 05 06 26 38.5 23.95N 122.08E 24–0 3.1L
JMA X 05 06 26 39.3–.40 23.93N 122.18E 46 2.4
ISCJB Error ellipse: s-maj=4.0km s-min=2.7km az=144.1.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
ISC X 05 15 24 15.6–.83 23.98N–.03 122.88E–.02 18–6 61 0-2
ISCJB X 05 15 24 15.6–.57 23.96N–.03 122.87E–.02 21–6 ¶13646616
JMA X 05 15 24 15.1–.10 24.04N 122.86E 15 2.6
TAP X 05 15 24 18.1 24.02N 122.74E 85–1 3.2L
ISCJB Error ellipse: s-maj=5.0km s-min=3.5km az=162.8.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP D.
ISC X 06 00 48 38.5–.65 24.09N–.04 122.40E–.02 28–5 41 1-2
JMA X 06 00 48 37.4–.30 24.87N 122.46E 46 2.1 ¶13646644
ISCJB X 06 00 48 38.3–.59 24.08N–.04 122.40E–.02 30–5 2.1
TAP X 06 00 48 38.5 24.06N 122.40E 31–1 2.9L
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISCJB Error ellipse: s-maj=6.8km s-min=3.2km az=170.2.
TAP D.
ISC X 06 14 15 07.6–.76 24.62N–.04 122.53E–.02 103–7 59 0-3
TAP X 06 14 15 06.5 24.74N 122.46E 114–0 3.4L ¶13646666
JMA X 06 14 15 06.6–.20 24.74N 122.54E 108 1.9
ISCJB X 06 14 15 07.3–.73 24.61N–.04 122.53E–.02 103–6 1.9
TAP D.
ISC X 07 15 01 29.6–.31 23.74N–.02 122.57E–.02 39–6 3.7b,2.9s 125 1-83
NIED X 07 15 01 00 23.80N 122.60E 20 4.1W,2.9s ¶11748277
BJI X 07 15 01 26.2 24.04N 122.55E 6 4.0b,3.7s
ISCJB X 07 15 01 28.9–.31 23.73N–.02 122.57E–.02 44–5 3.7b,2.9s
TAP X 07 15 01 28.9 23.82N 122.51E 27–1 4.2L,2.9s
NEIC X 07 15 01 29.4–1.0 23.87N 122.50E 36–11 3.7,2.9s
JMA X 07 15 01 29.0–.40 23.83N 122.55E 21 3.7,2.9s
IDC X 07 15 01 39.7–6.7 24.02N 122.39E 128–64 3.4,3.3
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ80.00000°,λ64.00000°. NP2:ϕ_s319.00000°,δ28.00000°,λ159.00000°. $M_0$1.46000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.8km az=148.4.
TAP D.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.7km az=146.0.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=25.3km s-min=19.1km az=87.0.
TAP X 10 06 07 59.4 21.14N 122.18E 167–1 3.6L
¶13646811
TAP C.
ISC X 10 11 03 21.3–.46 24.57N–.06 122.67E–.02 10–5 26 0-2
ISCJB X 10 11 03 21.3–.87 24.59N–.06 122.68E–.03 9–7 ¶13646819
JMA X 10 11 03 21.0–.20 24.64N 122.68E 10 1.9
TAP X 10 11 03 21.7 24.60N 122.68E 18–1 2.8L
ISCJB Error ellipse: s-maj=11.0km s-min=3.1km az=12.1.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP C.
ISC X 10 11 34 16.7–.56 24.82N–.05 122.95E–.03 128–6 63 0-6
ISCJB X 10 11 34 16.4–.56 24.80N–.05 122.94E–.03 128–5 ¶13646820
TAP X 10 11 34 16.6 24.80N 122.92E 132–1 3.7L
JMA X 10 11 34 17.5–.20 24.91N 122.97E 121–3 2.8
ISCJB Error ellipse: s-maj=8.5km s-min=3.3km az=165.2.
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC X 11 20 06 39.4–.59 25.44N–.07 122.36E–.04 270–5 79 1-8
NIED X 11 20 06 00 25.60N 122.20E 280 4.7W ¶11748587
TAP X 11 20 06 37.4 25.43N 122.44E 293–0 4.2L
ISCJB X 11 20 06 38.7–.60 25.46N–.07 122.35E–.04 274–5 4.2L
JMA X 11 20 06 41.0–.20 25.58N 122.23E 245–5 4.5
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s277.00000°,δ65.00000°,λ-152.00000°. NP2:ϕ_s175.00000°,δ65.00000°,λ-27.00000°. $M_0$1.16000×10^{16}
TAP C.
ISCJB Error ellipse: s-maj=11.2km s-min=3.8km az=158.7.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP X 12 09 22 19.9 22.65N 122.12E 42–1 3.5L
¶13646895
TAP D.
TAP X 13 15 08 44.7 22.68N 122.00E 50–1 2.8L
¶13646942
TAP C.
JMA X 13 15 09 36.6–.10 23.73N 122.88E 39–4
¶15214612
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 13 19 25 37.8–.45 24.28N–.04 122.97E–.02 46–10 70 0-3
JMA X 13 19 25 36.5–.20 24.47N 122.99E 60–1 2.2 ¶13646945
ISCJB X 13 19 25 37.3–.48 24.27N–.04 122.97E–.02 49–9 2.2
TAP X 13 19 25 37.3 24.33N 122.94E 62–1 3.4L
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISCJB Error ellipse: s-maj=6.5km s-min=3.5km az=0.1.
TAP D.
ISC X 14 07 05 19.6–.48 24.77N–.02 122.01E–.02 1–5 54 0-2
TAP X 14 07 05 19.9 24.80N 121.92E 8–0 3.5L ¶13646973
JMA X 14 07 05 20.1 24.87N 121.95E 33–2 2.9
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC X 17 04 21 17.4–.70 24.30N–.05 122.93E–.02 76–8 55 0-3
ISCJB X 17 04 21 16.7–.69 24.30N–.05 122.93E–.02 79–8 ¶13647102
JMA X 17 04 21 16.8–.10 24.54N 122.99E 85–1 2.3
TAP X 17 04 21 17.1 24.38N 122.83E 100–1 3.4L
ISCJB Error ellipse: s-maj=8.3km s-min=3.6km az=174.8.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP C.
ISC X 17 15 58 03.8–.32 22.56N–.02 121.34E–.02 35 83 0-4
ISCJB X 17 15 58 03.3–.33 22.58N–.02 121.37E–.02 33 ¶13647110
TAP X 17 15 58 03.9 22.63N 121.28E 33–0 3.4L
JMA X 17 15 58 04.5–.10 22.58N 121.49E 91 3.4L
ISCJB Error ellipse: s-maj=3.1km s-min=2.4km az=137.6.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
ISC X 17 16 41 01.3–.73 23.90N–.04 122.66E–.02 11–5 39 1-2
ISCJB X 17 16 41 01.7–1.5 23.88N–.03 122.66E–.02 13–11 ¶13647111
TAP X 17 16 41 01.3 23.86N 122.74E 17–1 2.8L
JMA X 17 16 41 03.2–.20 24.96N 122.78E 30 1.8
ISCJB Error ellipse: s-maj=6.0km s-min=3.4km az=164.2.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC X 17 20 11 54.7–.63 24.69N–.07 122.73E–.03 15–4 29 0-2
JMA X 17 20 11 54.5–.10 24.70N 122.71E 18–3 2.0 ¶13647115
ISCJB X 17 20 11 55.1–.50 24.68N–.07 122.73E–.02 15–10 2.0
TAP X 17 20 11 56.0 24.67N 122.59E 6–1 2.7L
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISCJB Error ellipse: s-maj=11.2km s-min=2.9km az=12.8.
TAP D.
ISC X 19 01 13 59.4–.69 24.71N–.04 122.62E–.02 124–6 72 0-3
TAP X 19 01 13 58.7 24.76N 122.63E 127–0 3.7L ¶13647160
ISCJB X 19 01 13 59.0–.62 24.70N–.04 122.62E–.02 124–5 3.7L
JMA X 19 01 13 59.1–.20 24.84N 122.64E 123–2 3.2
TAP C.
ISCJB Error ellipse: s-maj=6.3km s-min=3.2km az=174.8.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
ISC X 20 18 04 59.7–.44 22.90N–.02 121.71E–.02 7–3 97 0-3
ISCJB X 20 18 05 00.6–.81 22.88N–.02 121.72E–.02 15–6 ¶13647233
JMA X 20 18 05 01.4–.30 22.88N 121.86E 10 2.9
TAP X 20 18 05 01.6 22.89N 121.62E 20–0 3.2L
ISCJB Error ellipse: s-maj=3.7km s-min=2.6km az=163.1.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
TAP C.
ISC X 21 00 13 59.5–.50 24.60N–.03 122.38E–.02 81–5 102 0-18
ISCJB X 21 00 13 59.1–.48 24.59N–.03 122.38E–.02 81–5 ¶12789754
JMA X 21 00 13 59.0–.20 24.75N 122.40E 83 3.5
TAP X 21 00 13 59.2 24.60N 122.34E 86–0 4.3L
BJI X 21 00 13 59.3 24.50N 122.10E 10 3.2L
ISCJB Error ellipse: s-maj=5.0km s-min=2.8km az=170.3.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP C.
ISC X 21 01 58 37.1–.57 24.62N–.03 122.45E–.02 63–8 77 1-2
NEIC X 21 01 58 33.4–8.3 24.62N 122.57E 10 ¶13397661
ISCJB X 21 01 58 36.6–.57 24.61N–.03 122.45E–.02 65–7
JMA X 21 01 58 36.1–.10 24.80N 122.50E 72–2 2.6
TAP X 21 01 58 36.4 24.65N 122.39E 74–0 3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=98.9km s-min=17.3km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.2km az=179.6.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP C.
ISC X 22 17 57 04.8–.70 24.98N–.06 122.86E–.02 160–5 65 1-4
ISCJB X 22 17 57 04.6–.69 24.96N–.06 122.86E–.02 158–5 ¶13647321
TAP X 22 17 57 04.1 25.00N 122.86E 165–0 3.7L
JMA X 22 17 57 05.2–.30 25.10N 122.86E 151–4 3.1
ISCJB Error ellipse: s-maj=9.5km s-min=3.6km az=176.6.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC X 23 10 22 10.7–.46 24.73N–.03 122.42E–.02 1–5 42 0-2
JMA X 23 10 22 11.2–.30 24.71N 122.45E 0 2.4 ¶13647350
TAP X 23 10 22 11.1 24.75N 122.28E 2–1 3.2L
JMA Error ellipse: s-maj=7.8km s-min=4.0km az=-1.0.
TAP D.
TAP X 24 19 04 32.8 21.22N 122.10E 172–0 4.0L
¶13647397
TAP C.
ISC X 25 08 40 44.9–.80 24.46N–.05 122.75E–.02 89–8 42 0-2
ISCJB X 25 08 40 44.4–.82 24.46N–.05 122.75E–.02 90–8 ¶13647424
JMA X 25 08 40 44.6–.10 24.64N 122.79E 92–2 2.2
TAP X 25 08 40 44.1 24.50N 122.64E 110–1 3.2L
ISCJB Error ellipse: s-maj=8.6km s-min=3.7km az=3.9.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
TAP C.
TAP X 25 11 30 35.3 23.94N 122.13E 37–1 2.7L
¶13647430
TAP C.
ISC X 26 08 27 24.8–.68 24.58N–.04 122.87E–.02 86–7 67 0-3
JMA X 26 08 27 23.3–.10 24.82N 122.89E 89–2 2.4 ¶13647476
TAP X 26 08 27 23.8 24.67N 122.82E 99–0 3.4L
ISCJB X 26 08 27 24.2–.69 24.58N–.04 122.87E–.02 88–7 3.4L
TAP D.
ISC X 26 15 32 39.7–.55 24.69N–.03 122.45E–.02 100–5 86 1-4
ISCJB X 26 15 32 38.9–.53 24.69N–.03 122.45E–.02 104–5 ¶13647491
JMA X 26 15 32 38.9–.20 24.79N 122.46E 103–2 2.5
TAP X 26 15 32 38.7 24.73N 122.40E 108–0 3.7L
ISCJB Error ellipse: s-maj=5.6km s-min=2.9km az=165.8.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP C.
ISC X 26 22 29 55.6–.69 24.67N–.04 122.46E–.02 96–6 64 1-3
ISCJB X 26 22 29 55.1–.67 24.67N–.04 122.46E–.02 98–5 ¶13647500
JMA X 26 22 29 55.1–.20 24.98N 122.53E 89–3 2.1
TAP X 26 22 29 55.0 24.73N 122.42E 103–0 3.5L
ISCJB Error ellipse: s-maj=7.1km s-min=3.5km az=0.1.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP C.
ISC X 27 20 47 43.0–.39 24.25N–.01 122.01E–.03 10 3.8b 114 0-74
NIED X 27 20 47 00 25.00N 121.90E 20 4.1W ¶11749529
IDC X 27 20 47 39.4–1.1 23.89N 122.00E 0 3.8b,3.8
NEIC X 27 20 47 40.9–1.9 24.09N 122.05E 4–12 4.3b,3.8
ISCJB X 27 20 47 42.1–.40 24.25N–.01 122.05E–.03 10 3.8b,3.8
TAP X 27 20 47 42.1 24.27N 121.93E 3–0 3.9L,3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s300.00000°,δ78.00000°,λ74.00000°. NP2:ϕ_s173.00000°,δ20.00000°,λ142.00000°. $M_0$1.85000×10^{15}
IDC Error ellipse: s-maj=42.7km s-min=23.0km az=60.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.4km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=1.9km az=7.4.
TAP D.
ISC X 29 00 11 36.8–.53 23.90N–.02 122.43E–.02 8–3 61 1-2
ISCJB X 29 00 11 36.2–.69 23.89N–.02 122.43E–.02 4–5 ¶13647599
TAP X 29 00 11 38.1 23.98N 122.40E 20–0 2.9L
JMA X 29 00 11 39.3–.30 24.19N 122.37E 37 2.0
ISCJB Error ellipse: s-maj=3.8km s-min=2.8km az=160.4.
TAP D.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC X 29 15 06 06.5–.65 24.54N–.04 122.56E–.02 82–7 68 0-2
JMA X 29 15 06 05.9–.10 24.73N 122.62E 86 2.0 ¶13647638
TAP X 29 15 06 05.6 24.59N 122.52E 93–0 3.3L
ISCJB X 29 15 06 06.0–.63 24.54N–.04 122.56E–.02 83–7 3.3L
TAP C.
ISC X 29 19 15 30.5–.70 24.39N–.06 122.91E–.02 79–8 45 0-3
ISCJB X 29 19 15 29.9–.69 24.39N–.06 122.91E–.02 81–7 ¶13647644
JMA X 29 19 15 29.8–.20 24.54N 122.95E 87–2 1.8
TAP X 29 19 15 29.8 24.43N 122.93E 80–1 2.9L
ISCJB Error ellipse: s-maj=10.2km s-min=3.7km az=179.1.

JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC X 30 03 56 27.5–.35 23.65N–.03 122.95E–.02 35 72 1-3
ISCJB X 30 03 56 27.0–.35 23.64N–.03 122.94E–.02 33 ¶13647655
JMA X 30 03 56 27.3–.30 23.72N 122.93E 52 2.7
TAP X 30 03 56 27.9 23.73N 122.81E 90–1 3.5L
ISCJB Error ellipse: s-maj=4.3km s-min=2.3km az=154.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC X 30 12 07 57.5–.46 23.99N–.02 122.42E–.02 9–3 83 1-2
ISCJB X 30 12 07 57.8–.88 23.97N–.02 122.42E–.02 12–6 ¶13647669
JMA X 30 12 07 59.0–.20 24.06N 122.44E 16 2.5
TAP X 30 12 07 59.2 24.05N 122.38E 23–0 3.1L
ISCJB Error ellipse: s-maj=3.1km s-min=2.5km az=161.4.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP C.
ISC X 30 15 30 23.9–.25 25.14N–.03 122.25E–.02 183–2 3.6b 187 0-71
NIED X 30 15 30 00 25.10N 122.30E 175 3.8W ¶11749722
NEIC X 30 15 30 23.1–.44 25.20N 122.28E 181–4 3.8b
ISCJB X 30 15 30 23.0–.25 25.15N–.03 122.24E–.02 186–2 3.6b
TAP X 30 15 30 24.2 25.19N 122.24E 188–0 4.4L
IDC X 30 15 30 24.6–2.5 25.30N 122.45E 196–26 3.4,3.3b
JMA X 30 15 30 25.3–.30 25.08N 122.27E 177 4.0,3.3b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s154.00000°,δ70.00000°,λ-117.00000°. NP2:ϕ_s30.00000°,δ33.00000°,λ-39.00000°. $M_0$5.46000×10^{14}
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.5km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.5km az=152.3.
TAP C.
IDC Error ellipse: s-maj=22.5km s-min=11.9km az=62.0.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC X 30 16 56 35.0–.43 21.26N–.03 121.69E–.06 95–6 3.9b 88 1-46
IDC X 30 16 56 22.9–1.0 20.94N 121.47E 0 4.1,4.0b ¶12071641
ISCJB X 30 16 56 33.9–.44 21.26N–.03 121.72E–.06 99–5 3.9b,4.0b
TAP X 30 16 56 35.3 21.36N 121.63E 104–0 4.1L,4.0b
IDC Error ellipse: s-maj=68.8km s-min=17.4km az=69.0.
ISCJB Error ellipse: s-maj=9.5km s-min=4.5km az=179.1.
TAP C.
TAP X 30 20 16 16.7 23.83N 122.02E 35–0 2.8L
JMA X 30 20 16 17.3–.50 23.73N 122.16E 28 2.0 ¶13647684
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
TAP XI 01 16 10 48.5 22.86N 122.53E 57–0 3.2L
JMA XI 01 16 10 47.9–.20 22.84N 122.75E 57 2.3 ¶13647802
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
JMA XI 01 19 31 55.1–.20 24.09N 122.89E 12 3.2
TAP XI 01 19 31 56.9 24.06N 122.72E 13–0 3.2L ¶13647819
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC XI 02 20 40 47.1–.96 21.64N–.06 121.35E–.03 41–15 47 0-4
TAP XI 02 20 40 44.8 21.59N 121.37E 51–0 3.2L ¶13647861
JMA XI 02 20 40 46.2–.40 21.55N 121.60E 134 2.9
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=5.2km az=-1.0.
ISC XI 03 12 52 07.1–.68 23.79N–.03 122.79E–.02 23–6 61 1-2
ISCJB XI 03 12 52 06.7–.55 23.78N–.03 122.78E–.02 22–6 ¶13647890
JMA XI 03 12 52 06.6–.30 23.80N 122.74E 30 2.5
TAP XI 03 12 52 07.7 23.77N 122.62E 11–1 2.9L
ISCJB Error ellipse: s-maj=5.2km s-min=3.5km az=171.4.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC XI 04 18 31 58.8–.49 24.60N–.03 122.46E–.02 23–5 55 1-2
JMA XI 04 18 31 53.9–.40 24.80N 122.30E 16 ¶13647941
ISCJB XI 04 18 31 58.8–.47 24.59N–.04 122.45E–.02 26–5
TAP XI 04 18 31 58.2 24.61N 122.45E 21–0 2.9L
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISCJB Error ellipse: s-maj=5.9km s-min=3.4km az=172.6.
TAP D.
ISC XI 04 21 05 03.2–.91 24.75N–.06 122.52E–.03 109–7 48 1-2
TAP XI 04 21 05 01.9 24.82N 122.49E 118–0 3.2L ¶13647950
ISCJB XI 04 21 05 02.9–.88 24.74N–.06 122.52E–.03 108–7 3.2L
JMA XI 04 21 05 03.0–.30 24.92N 122.57E 105 3.2L
TAP C.
ISCJB Error ellipse: s-maj=9.5km s-min=4.0km az=171.5.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC XI 05 20 00 33.8–.39 22.76N–.02 121.62E–.02 12–2 133 0-4
ISCJB XI 05 20 00 33.8–.39 22.76N–.02 121.66E–.02 16–4 ¶13648000
TAP XI 05 20 00 34.3 22.76N 121.63E 14–0 3.8L
JMA XI 05 20 00 35.8–.30 22.80N 121.72E 24 3.3
ISCJB Error ellipse: s-maj=3.0km s-min=2.6km az=11.3.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC XI 05 21 18 39.3–.29 24.35N–.03 122.96E–.02 40–8 105 0-3
ISCJB XI 05 21 18 38.6–.31 24.32N–.03 122.96E–.02 44–8 ¶13648006
JMA XI 05 21 18 38.8–.10 24.36N 122.99E 48–1 2.8
TAP XI 05 21 18 40.3 24.32N 122.82E 35–1 3.5L
ISCJB Error ellipse: s-maj=4.7km s-min=2.6km az=176.6.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.
ISC XI 08 15 02 06.7–.60 22.91N–.04 122.88E–.03 35 55 1-2
ISCJB XI 08 15 02 06.1–.60 22.92N–.04 122.87E–.03 33 ¶13648079
TAP XI 08 15 02 06.8 22.89N 122.82E 57–2 3.4L
JMA XI 08 15 02 06.9–.30 22.97N 122.96E 73 3.4L
ISCJB Error ellipse: s-maj=6.3km s-min=2.9km az=157.0.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=6.1km az=-1.0.
ISC XI 09 17 25 06.2–.32 23.90N–.03 122.66E–.02 35 73 1-2
ISCJB XI 09 17 25 05.7–.32 23.89N–.02 122.66E–.02 33 ¶13648124
JMA XI 09 17 25 05.8–.30 24.06N 122.64E 39 2.5
TAP XI 09 17 25 05.5 23.85N 122.58E 13–1 3.2L
ISCJB Error ellipse: s-maj=3.6km s-min=2.4km az=161.4.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC XI 09 18 40 15.5–.52 23.30N–.02 122.09E–.02 12–3 106 1-3
NEIC XI 09 18 40 13.7–3.9 23.27N 122.17E 10 ¶13399673
TAP XI 09 18 40 17.5 23.31N 122.06E 36–0 3.7L
JMA XI 09 18 40 18.1–.20 23.29N 122.16E 59 3.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.6km s-min=13.0km az=113.0.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC XI 11 14 50 04.0–.59 23.96N–.03 122.37E–.02 13–4 53 1-2
TAP XI 11 14 50 04.2 24.00N 122.39E 24–0 3.0L ¶13648191
JMA XI 11 14 50 05.8–.30 24.99N 122.54E 17 3.0L
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC XI 11 17 43 51.9–.54 24.01N–.03 122.42E–.02 17–3 3.7b 105 1-74
NIED XI 11 17 43 00 24.40N 122.40E 116 4.2W ¶11750450
TAP XI 11 17 43 52.5 24.03N 122.38E 26–0 4.0L
ISCJB XI 11 17 43 52.2–.50 23.99N–.03 122.43E–.02 25–4 3.7b
NEIC XI 11 17 43 53.0–1.5 23.96N 122.38E 40 3.8b
JMA XI 11 17 43 54.0–.30 24.44N 122.38E 57 3.8
IDC XI 11 17 43 56.0–.96 24.34N 120.98E 0 3.9,3.7b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s208.00000°,δ62.00000°,λ-140.00000°. NP2:ϕ_s97.00000°,δ55.00000°,λ-35.00000°. $M_0$2.51000×10^{15}
TAP C.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.0km az=161.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=10.2km az=115.0.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=48.4km s-min=18.0km az=64.0.
ISC XI 11 17 44 05.4–.67 24.02N–.02 122.48E–.05 39–6 4.0b 105 1-96
ISCJB XI 11 17 44 04.6–.63 24.01N–.02 122.48E–.04 47–5 4.0b ¶12073198
TAP XI 11 17 44 05.2 24.02N 122.32E 23–1 4.3L
IDC XI 11 17 44 06.3–1.0 24.48N 121.44E 0 4.2,4.1b
NEIC XI 11 17 44 07.1–1.6 23.89N 121.96E 46–11 4.2b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=3.5km az=15.4.
TAP C.
IDC Error ellipse: s-maj=57.7km s-min=18.3km az=67.0.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=9.5km az=83.0.
ISC XI 12 14 57 27.7–.59 21.89N–.04 121.56E–.06 98–4 3.1b 67 0-47
IDC XI 12 14 57 15.3–1.6 21.90N 121.80E 0 3.4,3.3b ¶12073310
ISCJB XI 12 14 57 26.8–.60 21.88N–.04 121.56E–.07 103–4 3.1b,3.3b
NEIC XI 12 14 57 26.6–.98 21.84N 121.62E 95–10 3.1b,3.3b
TAP XI 12 14 57 27.7 21.94N 121.58E 98–1 3.8L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=160.7km s-min=20.0km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.0km az=177.8.
NEIC Event type se. Error ellipse: s-maj=54.9km s-min=13.2km az=66.0.
TAP D.
ISC XI 13 03 15 58.9–.88 24.45N–.06 122.71E–.03 85–9 36 0-2
JMA XI 13 03 15 57.8–.50 25.16N 123.08E 0 ¶13648248
ISCJB XI 13 03 15 58.4–.95 24.45N–.06 122.71E–.03 86–10
TAP XI 13 03 15 58.4 24.46N 122.70E 86–1 3.0L
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISCJB Error ellipse: s-maj=10.6km s-min=4.0km az=4.5.
TAP D.
ISC XI 13 20 35 31.8–.79 24.77N–.08 122.76E–.03 3–6 27 0-2
JMA XI 13 20 35 29.7–.10 25.02N 122.84E 11 ¶13648294
ISCJB XI 13 20 35 32.0–.78 24.81N–.07 122.78E–.03 15–10
TAP XI 13 20 35 33.5 24.73N 122.69E 7–2 2.7L
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Error ellipse: s-maj=12.6km s-min=4.2km az=10.4.
TAP D.
ISC XI 13 20 50 53.0–2.0 24.90N–.10 122.91E–.06 15–11 3.6b 21 0-95
JMA XI 13 20 50 49.9–.10 25.01N 122.77E 16 3.6b ¶12073454
NEIC XI 13 20 50 52.7–1.3 24.83N 122.88E 10 3.6b
IDC XI 13 20 50 52.3–1.2 24.45N 121.80E 0 3.8,3.7b
ISCJB XI 13 20 50 54.2–1.5 24.8N–.10 122.89E–.05 33–11 3.6b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 13 21 59 01.1–.37 24.34N–.04 122.97E–.02 42–9 70 0-3
ISCJB XI 13 21 59 00.6–.41 24.32N–.04 122.96E–.02 45–9 ¶13648299
JMA XI 13 21 59 00.6–.20 24.32N 122.99E 47–2 2.7
TAP XI 13 21 59 01.2 24.32N 122.90E 53–1 3.3L
ISCJB Error ellipse: s-maj=6.5km s-min=3.0km az=1.5.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.
ISC XI 14 12 22 23.7–.24 23.96N–.02 122.45E–.02 39–5 4.0b,3.3s 160 1-79
NIED XI 14 12 22 00 24.10N 122.40E 26 4.1W,3.3s ¶11750602
ISCJB XI 14 12 22 22.9–.23 23.95N–.02 122.45E–.02 44–4 4.0b,3.3s
TAP XI 14 12 22 22.4 24.00N 122.36E 19–0 4.2L,3.3s
JMA XI 14 12 22 22.5–.20 24.05N 122.41E 29 3.7,3.3s
NEIC XI 14 12 22 25.0–1.0 23.95N 122.22E 50–9 4.2b,3.3s
IDC XI 14 12 22 28.5–12 23.97N 122.18E 88–125 3.7b,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s67.00000°,δ86.00000°,λ75.00000°. NP2:ϕ_s324.00000°,δ15.00000°,λ167.00000°. $M_0$1.41000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.1km az=153.9.
TAP D.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.4km az=83.0.
IDC Error ellipse: s-maj=68.3km s-min=15.1km az=61.0.
ISC XI 14 23 00 17.3–.53 24.63N–.03 122.90E–.02 95–5 100 0-4
ISCJB XI 14 23 00 16.6–.51 24.63N–.03 122.90E–.02 98–4 ¶13648343
JMA XI 14 23 00 16.5–.20 24.77N 122.93E 99–2 3.0
TAP XI 14 23 00 16.5 24.69N 122.89E 101–0 4.0L
ISCJB Error ellipse: s-maj=5.1km s-min=3.0km az=174.1.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC XI 16 03 10 07.0–.86 24.85N–.06 122.63E–.03 117–6 54 1-3
JMA XI 16 03 10 05.9–.40 25.04N 122.64E 116 2.3 ¶13648378
ISCJB XI 16 03 10 06.6–.83 24.83N–.06 122.63E–.03 117–6 2.3
TAP XI 16 03 10 06.4 24.93N 122.56E 121–0 3.6L
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISCJB Error ellipse: s-maj=9.3km s-min=3.7km az=173.7.
TAP C.
ISC XI 16 16 13 05.0–.40 23.05N–.02 122.87E–.02 35 110 1-3
ISCJB XI 16 16 13 04.5–.40 23.06N–.02 122.86E–.02 33 ¶13648398
TAP XI 16 16 13 05.4 23.06N 122.82E 56–1 3.8L
JMA XI 16 16 13 05.7–.20 23.12N 122.97E 64 2.8
ISCJB Error ellipse: s-maj=3.6km s-min=2.3km az=143.7.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC XI 18 09 25 06.7–.61 24.15N–.03 122.31E–.02 33–4 50 1-2
ISCJB XI 18 09 25 06.4–.56 24.14N–.03 122.31E–.02 33–4 ¶13648464
JMA XI 18 09 25 06.6–.20 24.44N 122.35E 66 1.9
TAP XI 18 09 25 06.4 24.13N 122.32E 32–0 3.1L
ISCJB Error ellipse: s-maj=5.5km s-min=3.1km az=169.3.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP D.
ISC XI 18 17 22 35.4–.61 23.88N–.03 122.56E–.02 26–5 69 1-2
ISCJB XI 18 17 22 35.2–.57 23.87N–.03 122.56E–.02 29–4 ¶13648477
JMA XI 18 17 22 35.8–.20 23.93N 122.56E 34
TAP XI 18 17 22 36.7 23.90N 122.48E 54–1 3.0L
ISCJB Error ellipse: s-maj=4.7km s-min=3.0km az=160.3.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP D.
ISC XI 23 01 36 22.1–.60 23.93N–.03 122.47E–.02 11–4 59 1-2
JMA XI 23 01 36 20.5–.50 23.93N 122.31E 18 2.5 ¶13648627
ISCJB XI 23 01 36 21.4–.70 23.91N–.02 122.47E–.02 3–5 2.5
TAP XI 23 01 36 22.5 23.96N 122.50E 27–0 3.2L
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
ISCJB Error ellipse: s-maj=4.1km s-min=2.6km az=171.3.
TAP D.
ISC XI 23 07 06 46.5–.44 22.40N–.02 121.50E–.02 18–3 110 0-4
ISCJB XI 23 07 06 46.0–.42 22.40N–.02 121.55E–.02 18–4 ¶13400922
TAP XI 23 07 06 47.0 22.42N 121.48E 22–0 3.6L
NEIC XI 23 07 06 47.9–5.2 22.57N 121.53E 10 3.1
JMA XI 23 07 06 49.7–.30 22.41N 121.73E 83 3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.5km az=162.5.
TAP C.
NEIC Event type se. Error ellipse: s-maj=51.5km s-min=16.7km az=166.0.
JMA Error ellipse: s-maj=3.3km s-min=4.1km az=-1.0.
ISC XI 25 10 33 22.7–.40 24.84N–.03 122.22E–.02 91–4 131 0-8
NEIC XI 25 10 33 20.9–.87 24.68N 122.42E 10 3.5 ¶13401074
ISCJB XI 25 10 33 21.8–.38 24.86N–.03 122.23E–.02 94–3 3.5
JMA XI 25 10 33 21.7–.30 24.82N 122.18E 95 3.5
TAP XI 25 10 33 22.4 24.81N 122.20E 91–0 4.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=10.2km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=2.7km az=155.5.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.
TAP C.
ISC XI 25 15 14 19.6–.47 22.93N–.02 121.99E–.02 5–3 112 1-4
NEIC XI 25 15 14 19.1–8.0 22.89N 122.04E 12–22 ¶13401086
JMA XI 25 15 14 21.9–.30 22.87N 122.01E 67 3.4
TAP XI 25 15 14 22.3 22.88N 121.91E 32–0 3.9L

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=71.6km s-min=20.1km az=123.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP C.
ISC XI 25 17 16 23.9–.45 24.64N–.03 122.06E–.02 65–5 102 0-3
JMA XI 25 17 16 22.8–.30 24.79N 122.06E 68 3.4 ¶13648720
TAP XI 25 17 16 22.8 24.62N 122.04E 71–0 3.8L
ISCJB XI 25 17 16 23.4–.45 24.63N–.03 122.06E–.02 66–5 3.8L
TAP C.
ISC XI 25 23 49 08.8–.71 25.08N–.03 122.33E–.04 7–3 3.8b 86 0-73
IDC XI 25 23 49 07.8–1.6 24.80N 121.59E 0 3.9,3.7 ¶12074838
ISCJB XI 25 23 49 08.6–.75 25.12N–.03 122.35E–.03 15–4 3.8b,3.7
NEIC XI 25 23 49 08.2–1.8 25.12N 122.34E 8–11 3.9b,3.7
TAP XI 25 23 49 09.0 25.11N 122.26E 15–0 3.8L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=136.7km s-min=19.2km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.3km az=145.7.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.8km az=95.0.
TAP C.
TAP XI 26 09 35 09.4 23.30N 122.03E 43–0 3.3L
JMA XI 26 09 35 08.6–.30 23.24N 122.07E 50 2.8 ¶13648750
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC XI 26 20 18 02.8–.57 21.86N–.03 120.54E–.04 35 3.4b 61 0-47
IDC XI 26 20 17 57.0–2.7 22.20N 121.32E 0 3.6,3.5b ¶13648768
NEIC XI 26 20 17 59.6–.67 21.83N 120.48E 10 3.6b,3.5b
ISCJB XI 26 20 18 01.5–.59 21.81N–.03 120.50E–.04 33 3.4b,3.5b
TAP XI 26 20 18 01.1 21.84N 120.54E 44–1 3.5L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=244.6km s-min=22.8km az=63.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=8.3km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.7km az=164.8.
TAP D.
ISC XI 27 01 32 25.2–.61 24.48N–.04 122.49E–.02 70–8 60 0-2
ISCJB XI 27 01 32 24.7–.56 24.47N–.04 122.49E–.02 71–7 ¶13648781
TAP XI 27 01 32 24.7 24.49N 122.46E 79–0 3.2L
JMA XI 27 01 32 24.4–.10 24.56N 122.52E 81–1 2.4
ISCJB Error ellipse: s-maj=6.2km s-min=3.1km az=174.2.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
ISC XI 28 07 35 29.6–.74 24.06N–.03 122.29E–.02 18–4 56 1-2
ISCJB XI 28 07 35 29.5–.46 24.04N–.03 122.30E–.02 17–6 ¶13648858
JMA XI 28 07 35 29.1–.20 24.51N 122.18E 55 2.7
TAP XI 28 07 35 30.2 24.10N 122.29E 32–0 3.1L
ISCJB Error ellipse: s-maj=4.9km s-min=2.8km az=156.6.
JMA Error ellipse: s-maj=8.9km s-min=2.0km az=-1.0.
TAP C.
ISC XI 29 18 45 51.8–.65 24.59N–.04 122.39E–.02 87–6 62 0-2
TAP XI 29 18 45 50.8 24.64N 122.34E 97–0 3.2L ¶13648935
ISCJB XI 29 18 45 51.3–.65 24.59N–.04 122.39E–.02 88–6 3.2L
JMA XI 29 18 45 51.4–.20 24.76N 122.45E 90 1.7
TAP C.
ISCJB Error ellipse: s-maj=7.3km s-min=3.4km az=174.2.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP XII 01 22 37 43.0 21.27N 122.17E 141–0 3.7L
¶13649025
TAP D.
ISC XII 03 15 53 46.6–.30 23.73N–.02 122.47E–.02 35 82 1-2
JMA XII 03 15 53 45.7–.30 23.74N 122.50E 32 2.8 ¶13649092
ISCJB XII 03 15 53 46.1–.30 23.72N–.02 122.46E–.02 33 2.8
TAP XII 03 15 53 47.3 23.72N 122.38E 29–0 3.1L
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISCJB Error ellipse: s-maj=3.3km s-min=2.2km az=152.7.
TAP D.
ISC XII 03 17 26 01.2–.31 23.72N–.02 122.54E–.02 35 88 1-3
ISCJB XII 03 17 26 00.7–.31 23.71N–.02 122.53E–.02 33 ¶13649094
JMA XII 03 17 26 00.4–.30 23.78N 122.49E 40 2.7
TAP XII 03 17 26 01.0 23.79N 122.49E 36–1 3.4L
ISCJB Error ellipse: s-maj=3.3km s-min=2.3km az=153.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP C.
TAP XII 03 17 27 54.2 23.73N 122.37E 18–1 2.9L
JMA XII 03 17 27 54.4–.60 23.79N 122.47E 40 2.2 ¶13649095
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
ISC XII 03 22 18 42.3–.61 24.53N–.03 122.62E–.02 89–6 77 0-3
ISCJB XII 03 22 18 41.8–.62 24.52N–.03 122.62E–.02 90–6 ¶13649098
JMA XII 03 22 18 41.0–.20 24.73N 122.63E 95 1.9
TAP XII 03 22 18 41.2 24.53N 122.69E 83–1 3.4L
ISCJB Error ellipse: s-maj=5.6km s-min=3.2km az=176.4.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP D.
TAP XII 04 04 33 53.7 24.30N 122.33E 52–0 3.2L
JMA XII 04 04 33 53.1–.10 24.56N 122.40E 64–1 2.2 ¶13649106
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC XII 04 05 56 57.0–.39 24.32N–.03 122.20E–.02 47–10 71 0-2
ISCJB XII 04 05 56 56.5–.39 24.31N–.03 122.20E–.02 51–8 ¶13649112
JMA XII 04 05 56 56.2–.20 24.57N 122.23E 69–2 2.4
TAP XII 04 05 56 56.1 24.32N 122.21E 47–1 3.4L
ISCJB Error ellipse: s-maj=4.6km s-min=2.9km az=161.1.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP D.
ISC XII 06 12 27 56.5–.66 24.28N–.05 122.74E–.02 59–11 43 0-2
ISCJB XII 06 12 27 55.9–.68 24.27N–.06 122.74E–.02 62–11 ¶13649254
JMA XII 06 12 27 55.8–.10 24.49N 122.77E 71–1 1.9
TAP XII 06 12 27 55.8 24.30N 122.75E 64–1 3.1L
ISCJB Error ellipse: s-maj=9.4km s-min=3.4km az=178.5.
JMA Error ellipse: s-maj=5.6km s-min=1.0km az=-1.0.
TAP C.
ISC XII 06 18 00 43.1–.35 24.85N–.02 122.46E–.02 10 3.5b,3.2s 114 0-49
NIED XII 06 18 00 00 24.80N 122.50E 14 3.9W,3.2s ¶11751613
ISCJB XII 06 18 00 42.5–.35 24.86N–.03 122.48E–.02 10 3.5b,3.2s
IDC XII 06 18 00 42.7–1.1 24.31N 121.06E 0 3.6,3.5
NEIC XII 06 18 00 43.2–.81 24.85N 122.26E 10 3.6,3.5
JMA XII 06 18 00 44.9–.20 24.83N 122.52E 37 3.5,3.5
TAP XII 06 18 00 44.2 24.79N 122.32E 12–0 4.1L,3.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ88.00000°,λ-178.00000°. NP2:ϕ_s328.00000°,δ88.00000°,λ-2.00000°. $M_0$7.65000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.3km az=10.5.
IDC Error ellipse: s-maj=40.4km s-min=18.6km az=68.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=10.1km az=85.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC XII 06 19 15 02.9–.88 24.52N–.05 122.84E–.03 89–8 45 0-2
ISCJB XII 06 19 15 02.5–.92 24.53N–.05 122.84E–.03 90–8 ¶13649260
TAP XII 06 19 15 02.1 24.58N 122.78E 107–0 3.0L
JMA XII 06 19 15 02.1–.20 24.67N 122.89E 96 1.8
ISCJB Error ellipse: s-maj=8.6km s-min=4.0km az=4.7.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC XII 06 21 12 24.8–1.4 25.0N–.20 122.92E–.04 158–12 23 0-2
ISCJB XII 06 21 12 24.9–1.4 25.0N–.20 122.92E–.04 153–12 ¶13649267
JMA XII 06 21 12 24.7–.30 25.12N 122.97E 150–5 2.2
TAP XII 06 21 12 24.3 24.91N 122.77E 178–1 3.3L
ISCJB Error ellipse: s-maj=29.4km s-min=5.9km az=3.6.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP D.
ISC XII 07 02 57 21.3–.68 24.42N–.05 122.96E–.02 78–7 56 0-3
ISCJB XII 07 02 57 20.7–.66 24.41N–.05 122.96E–.02 80–7 ¶13649273
JMA XII 07 02 57 20.6–.20 24.54N 122.99E 83–2 2.6
TAP XII 07 02 57 20.2 24.48N 122.97E 88–1 3.3L
ISCJB Error ellipse: s-maj=8.3km s-min=3.5km az=0.0.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP C.
ISC XII 07 19 42 08.0–.52 23.75N–.02 122.07E–.02 18–3 91 0-2
ISCJB XII 07 19 42 08.3–.41 23.75N–.02 122.07E–.02 24–3 ¶13649295
TAP XII 07 19 42 08.8 23.78N 122.01E 22–0 3.0L
JMA XII 07 19 42 10.1–.30 23.74N 122.17E 24 3.0L
NEIC XII 07 19 42 10.5–4.6 23.84N 121.85E 14–16 3.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.4km az=44.5.
TAP D.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=51.3km s-min=11.4km az=104.0.
ISC XII 07 21 18 38.1–.09 23.88N–.01 122.19E–.01 48 5.3b,4.6s 900 1-168
NIED XII 07 21 18 00 23.90N 122.20E 29 5.2W,4.6s ¶13402189
IDC XII 07 21 18 30.9–.42 23.92N 122.17E 0 5.0b,5.0
BJI XII 07 21 18 32.0 23.83N 122.25E 17 5.1L,5.0b
NEIC XII 07 21 18 36.7 23.84N 122.17E 12 5.4b,5.0b
JMA XII 07 21 18 36.8–.20 23.85N 122.17E 65 5.5,5.0b
ISCJB XII 07 21 18 36.3–.10 23.85N–.01 122.23E–.01 46 5.3b,4.6s
MOS XII 07 21 18 37.1–.95 23.94N 122.14E 52 5.5b,4.7s
TAP XII 07 21 18 37.2 23.85N 122.20E 35–0 5.9L,4.7s
TEH XII 07 21 18 37.0 23.88N 122.11E 35 5.9L,4.7s
GCMT XII 07 21 18 38.3–.20 23.81N 122.18E 38–0 5.2W,4.7s
DJA XII 07 21 18 39 23.84N 122.23E 50 5.3W,4.7s
SZGRF XII 07 21 18 49.3 25.76N 120.56E 33 5.2b,4.7s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s9.00000°,δ49.00000°,λ74.00000°. NP2:ϕ_s213.00000°,δ44.00000°,λ107.00000°. $M_0$6.07000×10^{16}
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=62.0.
NEIC Event type fe. Felt at Taipei. Recorded [4 TAP] in Hua-lien; [3 TAP] in Chang-hua and T'ai-tung; [2 TAP] in I-lan, T'ai-chung, T'ai-nan and T'ai-pei; [1 TAP] in Chia-i, Nan-t'ou, P'eng-hu and P'ing-tung. Recorded [1 JMA] on Iriomote-jima and Yonoguni-jima, Ryukyu Islands. After TAP.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=143.1.
MOS Error ellipse: s-maj=7.5km s-min=4.0km az=119.8.
TAP B.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s55,c76; s79,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}6.34±.22 $M_{\theta\theta}$1.33±.14; $M_{\phi\phi}$-7.67±.15; $M_{r\theta}$-1.52±.14; $M_{\theta\phi}$-1.48±.12; $M_{\phi r}$2.63±.16; Best double couple: NP1:ϕ_s208.00000°,δ39.00000°,λ119.00000°. NP2:ϕ_s352.00000°,δ57.00000°,λ69.00000°. Principal axes: T 7.3400,Plg70.0000° ,Azm214.0000°; N 0.9600,Plg18.0000°,Azm4.0000°; P -8.3000,Plg9.0000°,Azm97.0000° $M_0$7.80000×10^{16}
SZGRF Taiwan region.
ISC XII 07 21 31 06.7–1.1 23.81N–.02 122.13E–.02 20–7 59 1-2
ISCJB XII 07 21 31 06.4–.52 23.79N–.03 122.15E–.02 19–5 ¶13649305
TAP XII 07 21 31 07.4 23.83N 122.12E 27–0 2.7L
JMA XII 07 21 31 09.2–.30 24.84N 122.37E 96 1.8
ISCJB Error ellipse: s-maj=5.1km s-min=2.9km az=148.1.
TAP C.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC XII 08 14 35 10.9–.58 23.83N–.02 122.21E–.01 19–3 125 1-6
NEIC XII 08 14 35 07.3–2.8 23.76N 122.40E 10 ¶13649326
ISCJB XII 08 14 35 10.5–.39 23.81N–.02 122.23E–.02 19–3
JMA XII 08 14 35 12.3–.20 23.94N 122.22E 72–4 3.1
TAP XII 08 14 35 12.3 23.86N 122.17E 37–0 4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=12.3km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.1km az=152.0.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP C.
ISC XII 09 19 04 06.8–.43 23.83N–.02 122.19E–.02 24–3 109 1-2
ISCJB XII 09 19 04 06.7–.39 23.82N–.02 122.20E–.02 27–3 ¶13649363
JMA XII 09 19 04 07.9–.20 23.94N 122.22E 70 2.8
TAP XII 09 19 04 07.5 23.83N 122.16E 24–0 3.6L
ISCJB Error ellipse: s-maj=3.2km s-min=2.3km az=144.4.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC XII 10 06 51 06.9–.86 23.99N–.05 122.58E–.02 28–7 36 1-2
JMA XII 10 06 51 05.9–.30 23.97N 122.53E 42 1.9 ¶13649372
ISCJB XII 10 06 51 06.7–.75 23.98N–.05 122.58E–.02 30–6 1.9
TAP XII 10 06 51 08.3 24.00N 122.46E 59–1 3.0L
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISCJB Error ellipse: s-maj=7.7km s-min=3.3km az=169.4.
TAP D.
TAP XII 10 23 44 21.4 22.16N 121.77E 167–0 3.5L
¶13649397
TAP C.
ISC XII 12 05 50 02.2–.59 24.49N–.04 122.48E–.02 59–9 59 0-3
ISCJB XII 12 05 50 01.7–.59 24.48N–.04 122.49E–.02 61–9 ¶13649450
JMA XII 12 05 50 01.1–.10 24.68N 122.51E 69 3.0
TAP XII 12 05 50 01.4 24.52N 122.44E 73–0 3.6L
ISCJB Error ellipse: s-maj=6.9km s-min=3.1km az=176.3.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
TAP C.
ISC XII 12 06 12 22.4–.45 22.91N–.02 121.39E–.03 16–2 75 0-2
ISCJB XII 12 06 12 22.4–.49 22.91N–.02 121.40E–.03 14–3 ¶13649451
NEIC XII 12 06 12 23.0–1.6 22.97N 121.33E 10
TAP XII 12 06 12 23.0 22.94N 121.30E 24–0 3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=7.9.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=8.4km az=125.0.
TAP B.
ISC XII 12 20 40 28.8–.26 23.87N–.02 122.70E–.02 44–4 3.8b 155 1-84
NIED XII 12 20 40 00 24.00N 122.70E 29 3.9W ¶11751675
IDC XII 12 20 40 23.1–.78 24.10N 122.64E 0 4.0,3.8b
ISCJB XII 12 20 40 28.0–.25 23.87N–.02 122.70E–.02 50–4 3.8b,3.8b
JMA XII 12 20 40 28.3–.20 24.01N 122.65E 34 3.6,3.8b
TAP XII 12 20 40 28.3 23.95N 122.66E 40–1 4.2L,3.8b
NEIC XII 12 20 40 28.3–.93 24.01N 122.65E 39–8 4.0b,3.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s65.00000°,δ81.00000°,λ74.00000°. NP2:ϕ_s306.00000°,δ19.00000°,λ150.00000°. $M_0$8.74000×10^{14}
IDC Error ellipse: s-maj=34.8km s-min=17.4km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.4km az=153.6.
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
TAP D.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.8km az=83.0.
TAP XII 14 02 28 18.3 22.35N 121.36E 70–0 3.8L
¶13649519
TAP C.
ISC XII 14 05 38 26.2–.44 23.94N–.02 122.52E–.02 9–2 3.6b 144 1-83
NEIC XII 14 05 38 23.9–.56 24.07N 122.64E 10 3.4 ¶12077399
ISCJB XII 14 05 38 25.6–.56 23.92N–.02 122.51E–.02 5–4 3.6b
JMA XII 14 05 38 26.8–.40 23.98N 122.48E 19 3.4
TAP XII 14 05 38 27.6 23.98N 122.49E 26–0 4.1L
IDC XII 14 05 38 32.9–6.3 24.10N 122.45E 82–59 4.0L,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=8.1km az=212.0.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.5km az=159.1.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
TAP C.
IDC Error ellipse: s-maj=33.8km s-min=15.4km az=67.0.
ISC XII 14 22 05 07.5–.62 24.07N–.05 122.85E–.02 8–5 33 0-2
ISCJB XII 14 22 05 07.3–1.1 24.06N–.05 122.85E–.02 7–8 ¶13649546
JMA XII 14 22 05 08.1–.10 24.08N 122.88E 9 2.6
TAP XII 14 22 05 09.4 24.11N 122.80E 22–1 2.8L
ISCJB Error ellipse: s-maj=8.1km s-min=3.1km az=179.3.

JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
TAP C.
ISC XII 14 23 01 40.5–.69 24.57N–.05 122.95E–.02 80–7 57 0-3
ISCJB XII 14 23 01 39.9–.69 24.56N–.05 122.95E–.02 83–7 ¶13649548
JMA XII 14 23 01 39.2–.20 24.70N 122.98E 89–2 2.2
TAP XII 14 23 01 39.5 24.65N 122.85E 101–0 3.3L
ISCJB Error ellipse: s-maj=8.2km s-min=3.6km az=177.7.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
TAP D.
ISC XII 15 09 56 50.0–.74 24.65N–.05 122.35E–.02 80–7 50 0-2
ISCJB XII 15 09 56 49.7–.70 24.64N–.05 122.35E–.02 80–7 ¶13649568
TAP XII 15 09 56 49.6 24.65N 122.33E 81–1 3.2L
JMA XII 15 09 56 50.0–.20 24.83N 122.41E 74–3 2.1
ISCJB Error ellipse: s-maj=8.2km s-min=3.5km az=177.7.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
ISC XII 17 19 17 29.2–.43 24.85N–.02 122.05E–.02 1–2 4.2b,3.5s 159 0-95
NIED XII 17 19 17 00 24.90N 121.80E 5 4.4W,3.5s ¶12077952
JMA XII 17 19 17 27.2–.40 24.95N 121.80E 28 4.2,3.5s
TAP XII 17 19 17 29.5 24.83N 121.97E 16–0 4.4L,3.5s
ISCJB XII 17 19 17 29.1–.40 24.87N–.02 122.03E–.02 8–2 4.2b,3.5s
NEIC XII 17 19 17 31.0–1.1 24.81N 121.91E 13–6 4.3b,3.5s
IDC XII 17 19 17 35.0–3.1 24.85N 121.94E 45–30 4.0,3.9
BJI XII 17 19 17 35.9 25.39N 121.46E 9 4.6b,4.1b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s248.00000°,δ62.00000°,λ-72.00000°. NP2:ϕ_s33.00000°,δ33.00000°,λ-120.00000°. $M_0$3.99000×10^{15}
JMA Error ellipse: s-maj=7.8km s-min=4.0km az=-1.0.
TAP B.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.7km az=144.9.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.1km az=84.0.
IDC Error ellipse: s-maj=20.5km s-min=14.3km az=66.0.
ISC XII 19 03 17 59.1–.33 24.84N–.02 122.02E–.02 10 76 0-3
ISCJB XII 19 03 17 58.8–.33 24.84N–.02 122.02E–.02 10 ¶13649757
JMA XII 19 03 17 58.7–.40 25.20N 122.17E 15 2.9
TAP XII 19 03 17 58.5 24.84N 121.98E 7–0 3.6L
NEIC XII 19 03 18 00.8–2.3 24.78N 121.82E 10 3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.3km az=17.4.
JMA Error ellipse: s-maj=4.4km s-min=5.0km az=-1.0.
TAP C.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=8.8km az=65.0.
ISC XII 19 03 56 37.8–.44 21.95N–.03 122.77E–.02 35 3.5b 148 1-48
NIED XII 19 03 56 00 21.90N 122.90E 17 3.8W ¶11751739
IDC XII 19 03 56 32.8–1.5 21.84N 122.93E 0 3.7L,3.7
NEIC XII 19 03 56 33.3–.82 21.85N 122.88E 10 3.9b,3.7
TAP XII 19 03 56 37.0 21.89N 122.66E 47–1 4.5L,3.7
JMA XII 19 03 56 36.9–.20 21.94N 122.93E 42 4.2,3.7
ISCJB XII 19 03 56 37.0–.45 21.99N–.03 122.77E–.02 33 3.5b,3.7
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s321.00000°,δ75.00000°,λ-34.00000°. NP2:ϕ_s61.00000°,δ57.00000°,λ-163.00000°. $M_0$6.04000×10^{14}
NEIC Event type se.
TAP C.
ISCJB Event type se.
ISC XII 19 05 56 46.7–.48 24.85N–.02 122.03E–.03 3–3 3.9s,3.9b 101 0-98
NIED XII 19 05 56 00 24.90N 121.90E 5 4.5W,3.9b ¶13649775
TAP XII 19 05 56 46.1 24.85N 122.00E 14–0 4.1L,3.9b
ISCJB XII 19 05 56 46.3–.50 24.87N–.02 122.03E–.03 8–3 3.9s,3.9b
NEIC XII 19 05 56 47.8–.44 24.86N 121.93E 10 4.3L,3.9b
BJI XII 19 05 56 52.0 25.17N 121.61E 15 4.1b,4.0b
IDC XII 19 05 56 53.6–4.1 24.84N 121.98E 60–39 3.9,3.9s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s75.00000°,δ48.00000°,λ-77.00000°. NP2:ϕ_s236.00000°,δ43.00000°,λ-104.00000°. $M_0$5.89000×10^{15}
TAP B.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.7km az=8.3.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=7.0km az=113.0. Recorded [3 TAP] in I-lan and [1 TAP] in T'ai-pei.
IDC Error ellipse: s-maj=24.5km s-min=13.0km az=66.0.
ISC XII 19 06 40 51.9–.53 24.83N–.02 122.08E–.03 2–4 3.5b 70 0-50
ISCJB XII 19 06 40 51.4–.55 24.83N–.02 122.07E–.03 3–4 3.5b ¶13649810
IDC XII 19 06 40 51.1–1.9 24.92N 122.23E 0 3.7,3.6
JMA XII 19 06 40 51.1–.60 23.90N 122.11E 0 3.0,3.6
TAP XII 19 06 40 52.0 24.85N 122.01E 12–0 3.5L,3.6
NEIC XII 19 06 40 53.1–.82 24.85N 121.98E 10 3.0,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.6km az=14.9.
IDC Error ellipse: s-maj=155.4km s-min=19.5km az=65.0.
JMA Error ellipse: s-maj=4.4km s-min=5.1km az=-1.0.
TAP C.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.5km az=84.0.
ISC XII 19 08 27 25.8–.38 24.84N–.02 122.01E–.02 10 45 0-2
JMA XII 19 08 27 24.1–.40 23.98N 122.04E 0 2.6 ¶13649825
ISCJB XII 19 08 27 25.6–.37 24.84N–.02 122.01E–.02 10 2.6
TAP XII 19 08 27 25.1 24.85N 122.00E 10–1 3.2L
JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
ISCJB Error ellipse: s-maj=3.4km s-min=3.2km az=4.5.
TAP C.
ISC XII 20 06 25 44.4–.50 22.83N–.02 121.74E–.02 9–3 74 0-3
ISCJB XII 20 06 25 44.7–.53 22.83N–.02 121.77E–.03 15–6 ¶13649943
TAP XII 20 06 25 46.0 22.84N 121.69E 12–0 3.7L
JMA XII 20 06 25 47.2–.20 23.00N 121.94E 0 3.1
ISCJB Error ellipse: s-maj=4.4km s-min=3.6km az=172.6.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP XII 20 06 26 46.6 22.86N 121.72E 8–0 3.5L
¶13649944
TAP D.
ISC XII 21 03 03 19.3–.77 21.27N–.06 122.04E–.09 163–5 3.5b 72 1-85
IDC XII 21 03 02 58.6–.98 21.19N 122.54E 0 3.8,3.7b ¶12078406
NEIC XII 21 03 03 15.7–.87 21.06N 122.23E 149–7 3.8,3.7b
ISCJB XII 21 03 03 18.9–.78 21.29N–.06 121.99E–.09 169–4 3.5b,3.7b
TAP XII 21 03 03 19.2 21.26N 122.06E 161–1 4.4L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=61.2km s-min=18.5km az=65.0.
NEIC Event type se. Error ellipse: s-maj=34.5km s-min=10.0km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=9.4km az=165.3.
TAP D.
ISC XII 21 08 04 42.1–.38 25.51N–.06 122.80E–.03 233–4 3.1b 90 1-81
IDC XII 21 08 04 37.7–22 25.62N 122.89E 195–218 3.2,3.0b ¶12078430
ISCJB XII 21 08 04 41.3–.38 25.51N–.06 122.81E–.03 239–4 3.1b,3.0b
NEIC XII 21 08 04 41.2–1.7 25.56N 122.78E 232–15 3.7,3.0b
TAP XII 21 08 04 41.8 25.49N 122.93E 235–1 4.2L,3.0b
JMA XII 21 08 04 43.8–.40 25.62N 122.79E 213 3.7,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=91.1km s-min=14.8km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=3.9km az=165.8.
NEIC Event type se. Error ellipse: s-maj=46.8km s-min=14.4km az=67.0.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISC XII 23 13 42 01.7–.38 24.43N–.02 122.14E–.02 53–6 93 0-2
JMA XII 23 13 42 00.8–.30 24.72N 122.18E 65 2.6 ¶13650140
TAP XII 23 13 42 00.6 24.44N 122.09E 61–0 3.5L
ISCJB XII 23 13 42 01.2–.37 24.42N–.02 122.14E–.02 55–5 3.5L
TAP C.
ISC XII 28 10 26 52.6–.81 24.23N–.05 122.57E–.03 33–7 29 0-2
TAP XII 28 10 26 51.8 24.21N 122.57E 33–1 2.6L ¶13650394
ISCJB XII 28 10 26 52.5–.43 24.22N–.05 122.57E–.03 33 2.6L
JMA XII 28 10 26 52.0–.10 24.78N 122.65E 45 1.7
TAP C.

ISCJB Error ellipse: s-maj=7.0km s-min=3.4km az=0.3.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC XII 29 10 45 13.1–.68 24.54N–.04 122.74E–.02 92–7 66 0-3
ISCJB XII 29 10 45 12.6–.68 24.54N–.04 122.74E–.02 94–7 ¶13650442
JMA XII 29 10 45 12.4–.20 24.80N 122.78E 91–3 2.2
TAP XII 29 10 45 12.3 24.61N 122.68E 103–0 3.4L
ISCJB Error ellipse: s-maj=6.9km s-min=3.2km az=176.5.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP C.
ISC XII 29 16 13 02.6–.28 24.45N–.02 122.52E–.02 72–4 3.3b 142 0-49
ISCJB XII 29 16 13 01.9–.29 24.44N–.02 122.52E–.02 76–4 3.3b ¶12079415
NEIC XII 29 16 13 01.9–.81 24.32N 122.61E 60–17 3.0
IDC XII 29 16 13 02.3–9.2 24.51N 122.60E 82–89 3.4L,3.3
TAP XII 29 16 13 02.2 24.46N 122.48E 80–0 4.0L,3.3
JMA XII 29 16 13 02.6–.10 24.63N 122.56E 76–1 3.0,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=161.2.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=9.3km az=130.0.
IDC Error ellipse: s-maj=71.6km s-min=31.7km az=85.0.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISC XII 30 01 31 27.4–.13 24.75N–.02 122.36E–.01 99–1 4.5b 393 0-167
NIED XII 30 01 31 00 24.70N 122.40E 107 4.8W ¶13404376
MOS XII 30 01 31 24.6–1.1 24.84N 122.36E 87 4.9b
BJI XII 30 01 31 25.7 24.73N 122.39E 95 4.9b,4.7b
ISCJB XII 30 01 31 26.4–.13 24.76N–.02 122.36E–.01 104–1 4.5b,4.7b
TAP XII 30 01 31 27.9 24.70N 122.34E 95–0 5.1L,4.7b
IDC XII 30 01 31 27.7–.65 24.84N 122.46E 104–5 4.2,4.2
NEIC XII 30 01 31 27.4–.42 24.75N 122.35E 101–4 4.9b,4.2
TEH XII 30 01 31 28.0 24.66N 122.30E 100 4.9b,4.2
JMA XII 30 01 31 28.2–.20 24.73N 122.38E 92–2 4.7,4.2
GCMT XII 30 01 31 30.5–.40 24.82N 122.25E 98–3 4.9W,4.2
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s175.00000°,δ77.00000°,λ17.00000°. NP2:ϕ_s81.00000°,δ73.00000°,λ167.00000°. $M_0$1.73000×10^{16}
MOS Error ellipse: s-maj=11.0km s-min=6.2km az=106.5.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=162.2.
TAP B.
IDC Error ellipse: s-maj=10.9km s-min=10.0km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=5.8km az=148.0. Felt at Taipei. Recorded [3 TAP] in I-lan; [2 TAP] in Hua-lien and T'ao-yuan; [1 TAP] in Miao-li, Nan-t'ou and T'ai-pei.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
GCMT Event type se. Data Used: lI lU lC G CN. Moment Tensor Solution. s28,c32; s69,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}1.00±.09 $M_{\theta\theta}$-0.45±.12; $M_{\phi\phi}$-0.56±.13; $M_{r\theta}$1.22±.06; $M_{\theta\phi}$-2.06±.09; $M_{\phi r}$-0.68±.07; Best double couple: NP1:ϕ_s186.00000°,δ58.00000°,λ26.00000°. NP2:ϕ_s82.00000°,δ68.00000°,λ145.00000°. Principal axes: T 2.6700,Plg39.0000° ,Azm41.0000°; N -0.0700,Plg50.0000°,Azm234.0000°; P -2.6000,Plg6.0000°,Azm136.0000° $M_0$2.60000×10^{16}
ISC XII 30 06 59 39.7–.29 23.78N–.02 122.01E–.02 35 79 0-3
ISCJB XII 30 06 59 39.2–.29 23.77N–.02 122.03E–.02 33 ¶13650483
TAP XII 30 06 59 39.4 23.79N 121.98E 36–0 3.1L
JMA XII 30 06 59 39.7–.30 23.78N 122.09E 67 3.1L
ISCJB Error ellipse: s-maj=3.0km s-min=2.2km az=153.2.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC XII 31 19 07 46.4–.48 22.20N–.03 121.33E–.03 22–4 3.3b 91 0-47
IDC XII 31 19 07 38.8–3.1 22.38N 122.09E 0 3.6,3.4b ¶12079690
NEIC XII 31 19 07 41.6–.80 21.98N 121.27E 10 3.6,3.4b
ISCJB XII 31 19 07 46.0–.49 22.21N–.03 121.36E–.03 23–4 3.3b,3.4b
TAP XII 31 19 07 46.3 22.21N 121.31E 33–0 3.7L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=268.3km s-min=22.7km az=63.0.
NEIC Event type se. Error ellipse: s-maj=29.3km s-min=9.5km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.8km az=22.7.
TAP B.

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ISC VII 02 06 06 33.5–.28 23.04N–.01 121.03E–.02 0–3 109 0-3
TAP VII 02 06 06 32.8 23.06N 120.96E 4–0 3.8L ¶12950852
NEIC VII 02 06 06 33.1–.94 23.08N 121.01E 10–10 3.8L
ISC Event type se.
TAP C.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.2km az=76.0.
ISC VII 02 13 56 04.4–.27 23.03N–.01 121.05E–.02 3–3 108 0-4
ISCJB VII 02 13 56 03.8–.33 23.03N–.01 121.06E–.02 1–3 ¶12950842
TAP VII 02 13 56 03.8 23.06N 120.96E 5–0 3.6L
NEIC VII 02 13 56 04.4–1.1 23.07N 120.99E 10 3.6L
JMA VII 02 13 56 04.4–.30 22.93N 120.99E 81 2.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.3km az=178.4.
TAP C.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=10.4km az=82.0.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
ISC VII 03 00 05 38.4–.20 23.17N–.01 120.67E–.02 16–1 3.7b 139 0-84
IDC VII 03 00 05 34.2–.77 23.12N 120.88E 0 3.9,3.8 ¶13075609
BJI VII 03 00 05 37.0 23.20N 120.70E 15 4.0L,3.8
TAP VII 03 00 05 37.4 23.19N 120.67E 15–0 4.3L,3.8
NEIC VII 03 00 05 37.9 23.19N 120.71E 6 4.5L,3.8
ISCJB VII 03 00 05 38.3–.21 23.16N–.01 120.65E–.02 20–2 3.7b,3.8
ISC Event type fe.
TAP B.
NEIC Event type fe. Recorded [4 TAP] in Chia-i and Kao-hsiung; [1 TAP] in Hua-lien, P'ing-tung, T'ai-nan and T'ai-tung. After TAP.
ISCJB Event type fe.
ISC VII 03 03 09 37.9–.26 24.51N–.01 121.02E–.02 9–2 95 0-3
TAP VII 03 03 09 36.4 24.51N 121.00E 6–0 3.5L ¶12951005
ISCJB VII 03 03 09 37.6–.28 24.51N–.01 121.02E–.02 4–2 3.5L
NEIC VII 03 03 09 37.3–1.5 24.50N 121.00E 10 3.5L
ISC Event type se.
TAP C.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=1.9km az=35.4.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=7.7km az=122.0.
ISC VII 03 15 51 17.7–.29 23.61N–.01 121.54E–.02 22–2 116 0-3
NEIC VII 03 15 51 14.9–2.5 23.57N 121.69E 10 ¶12950975
ISCJB VII 03 15 51 17.5–.26 23.61N–.01 121.56E–.02 24–2
TAP VII 03 15 51 18.1 23.64N 121.46E 27–0 3.3L
JMA VII 03 15 51 19.1–.40 23.64N 121.59E 70 2.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=8.9km az=111.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=1.9km az=35.2.
TAP B.
JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
TAP VII 09 12 35 36.8 23.45N 120.58E 8–0 2.2L
¶13642111
TAP B.
ISC VII 09 13 30 24.0–.19 23.85N–.01 121.01E–.02 11–2 108 0-2
ISCJB VII 09 13 30 23.9–.23 23.85N–.01 121.02E–.02 10–2 ¶11108426
TAP VII 09 13 30 23.1 23.85N 120.99E 14–0 3.7L
NEIC VII 09 13 30 23.1–.99 23.87N 120.99E 7–21 3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=1.6km az=30.1.
TAP B.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=5.6km az=108.0.
ISC VII 11 21 29 37.4–.28 23.88N–.02 121.68E–.02 33–2 100 0-4
ISCJB VII 11 21 29 36.9–.28 23.87N–.02 121.71E–.02 32–2 ¶13388768
TAP VII 11 21 29 36.9 23.91N 121.62E 41–0 3.3L
JMA VII 11 21 29 37.1–.30 23.95N 121.71E 73 2.7
ISCJB Error ellipse: s-maj=3.1km s-min=2.1km az=41.8.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC VII 11 23 41 48.5–.38 23.08N–.02 121.44E–.02 9–3 102 0-3

ISCJB VII 11 23 41 48.0–.45 23.08N–.02 121.45E–.02 8–3 **¶12951192**
NEIC VII 11 23 41 48.1–1.8 23.13N 121.48E 10
JMA VII 11 23 41 50.4–.30 23.08N 121.47E 83 2.9
TAP VII 11 23 41 50.0 23.15N 121.33E 15–0 3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.4km az=148.9.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=8.6km az=119.0.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
TAP C.
TAP VII 12 02 37 20.5 24.21N 121.81E 9–0 3.9L
¶13642284
TAP C.
TAP VII 12 02 37 28.6 24.23N 121.79E 11–1 3.7L
¶13642285
TAP D.
TAP VII 12 02 38 15.6 24.22N 121.80E 9–0 3.6L
¶13642287
TAP C.
ISC VII 12 05 18 31.4–.32 24.22N–.01 121.85E–.02 6–2 4.0s,4.0b 156 0-96
NIED VII 12 05 18 00 24.20N 121.50E 35 4.6W,4.0b **¶13642325**
JMA VII 12 05 18 28.5–.40 24.18N 121.53E 23 4.9,4.0b
IDC VII 12 05 18 28.5–.74 24.28N 122.04E 0 4.2,4.1b
ISCJB VII 12 05 18 30.8–.35 24.23N–.01 121.86E–.02 5–2 4.0s,4.0b
TAP VII 12 05 18 30.7 24.20N 121.81E 7–0 4.5L,4.0b
NEIC VII 12 05 18 30.2–.46 24.19N 121.88E 10 4.5L,4.3b
BJI VII 12 05 18 32.0 24.43N 121.75E 9 4.6s,4.6b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s62.00000°,δ90.00000°,λ86.00000°. NP2:ϕ_s331.00000°,δ4.00000°,λ179.00000°. $M_0$8.57000×10^{15}
JMA Error ellipse: s-maj=7.8km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=31.9km s-min=15.7km az=64.0.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.0km az=30.0.
TAP C.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=6.3km az=99.0. Felt at Pan-ch'iao. Recorded [4 TAP] in I-lan, [3 TAP] in Hua-lien and [1 TAP] in T'ai-pei.
TAP VII 12 05 19 01.8 24.24N 121.77E 11–0 3.7L
¶13642326
TAP D.
ISC VII 12 06 11 46.7–.30 24.21N–.01 121.85E–.02 9–1 4.5b,4.2s 223 0-96
IDC VII 12 06 11 44.1–.76 24.29N 122.05E 0 4.2,4.2 **¶13388893**
JMA VII 12 06 11 45.4–.40 24.10N 121.59E 35 5.0,4.2
ISCJB VII 12 06 11 45.4–.34 24.21N–.01 121.90E–.02 7–2 4.5b,4.2s
NEIC VII 12 06 11 45.8–.32 24.19N 121.89E 10 4.6b,4.6L
BJI VII 12 06 11 46.4 24.35N 121.71E 7 4.6s,4.6L
TAP VII 12 06 11 46.0 24.19N 121.81E 6–0 4.5L,4.6L
MOS VII 12 06 11 47.1–.83 24.27N 122.03E 33 4.8b,4.6L
ISC Event type fe.
IDC Error ellipse: s-maj=26.0km s-min=16.9km az=62.0.
JMA Error ellipse: s-maj=6.7km s-min=4.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.8km az=26.1.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=5.4km az=128.0. Felt at Lo-tung. Recorded [4 TAP] in Hua-lien and I-lan, [2 TAP] in Nan-t'ou and [1 TAP] in T'ai-chung.
TAP C.
MOS Error ellipse: s-maj=12.8km s-min=7.2km az=116.1.
ISC VII 12 06 18 47.5–.46 24.90N–.03 121.94E–.02 104–3 125 0-7
NEIC VII 12 06 18 45.5–8.1 24.75N 122.32E 10 3.2 **¶13642374**
ISCJB VII 12 06 18 46.9–.46 24.90N–.03 121.94E–.02 106–3 3.2
JMA VII 12 06 18 47.8–.20 24.94N 121.99E 103 3.2
TAP VII 12 06 18 47.3 24.92N 121.91E 106–0 4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=98.1km s-min=17.3km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.7km az=151.9.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP C.
TAP VII 12 07 02 58.6 24.20N 121.79E 10–0 3.4L
JMA VII 12 07 03 03.1–.30 24.95N 122.03E 14 2.6 **¶13642383**
TAP D.
JMA Error ellipse: s-maj=6.7km s-min=4.0km az=-1.0.
ISC VII 12 07 35 48.2–.54 24.19N–.02 121.88E–.03 4–3 93 0-3
NEIC VII 12 07 35 47.4–2.0 24.15N 121.84E 10 **¶13642390**
TAP VII 12 07 35 48.3 24.20N 121.79E 8–0 3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=8.4km az=87.0.
TAP C.
ISC VII 12 16 03 29.9–.46 24.39N–.02 121.99E–.03 13–4 59 0-2
ISCJB VII 12 16 03 29.8–.69 24.38N–.02 122.00E–.02 13–5 **¶13388986**
JMA VII 12 16 03 29.6–.20 24.73N 121.92E 42–4 2.4
TAP VII 12 16 03 29.8 24.41N 121.93E 23–0 3.3L
ISCJB Error ellipse: s-maj=3.6km s-min=3.0km az=6.0.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP D.
ISC VII 13 12 34 08.7–.40 24.42N–.02 121.99E–.02 26–3 63 0-2
JMA VII 13 12 34 07.0–.20 25.08N 122.07E 32 2.1 **¶13642499**
ISCJB VII 13 12 34 08.6–.38 24.42N–.02 121.99E–.02 29–3 2.1
TAP VII 13 12 34 08.2 24.42N 121.97E 24–0 3.0L
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISCJB Error ellipse: s-maj=4.5km s-min=3.2km az=145.9.
TAP D.
TAP VII 14 18 02 32.5 24.20N 121.80E 8–0 3.8L
JMA VII 14 18 02 30.5–.50 23.90N 121.75E 0 3.2 **¶13389207**
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=5.1km az=-1.0.
ISC VII 16 10 48 57.5–.68 24.83N–.04 122.00E–.03 96–5 64 0-2
ISCJB VII 16 10 48 57.1–.68 24.83N–.04 122.00E–.03 97–5 **¶13389353**
JMA VII 16 10 48 57.2–.40 24.91N 122.00E 93 2.5
TAP VII 16 10 48 57.2 24.82N 121.97E 97–0 3.3L
ISCJB Error ellipse: s-maj=6.7km s-min=3.7km az=166.2.
JMA Error ellipse: s-maj=7.8km s-min=4.0km az=-1.0.
TAP C.
ISC VII 18 06 35 13.6–.30 23.66N–.02 121.74E–.02 39–7 89 0-3
NEIC VII 18 06 35 04.2–3.3 23.48N 122.36E 10 3.5 **¶12951439**
TAP VII 18 06 35 12.3 23.67N 121.71E 52–0 3.8L
JMA VII 18 06 35 12.9–.20 23.73N 121.79E 96 3.5
ISCJB VII 18 06 35 13.0–.31 23.65N–.02 121.76E–.02 43–7 3.5
ISC Event type se.
NEIC Event type se.
TAP C.
ISCJB Event type se.
TAP VII 18 18 17 28.3 23.66N 121.56E 44–0 3.6L
¶13642811
TAP B.
ISC VII 22 14 03 35.9–.23 24.21N–.01 121.80E–.02 10 116 0-3
NEIC VII 22 14 03 32.5–2.5 24.12N 121.98E 10 **¶13643031**
JMA VII 22 14 03 34.8–.50 24.01N 121.62E 42 3.3
ISCJB VII 22 14 03 35.6–.24 24.21N–.01 121.81E–.02 10 3.3
TAP VII 22 14 03 35.0 24.19N 121.78E 10–0 3.9L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=28.6km s-min=10.8km az=87.0. Recorded [3 TAP] in Hua-lien and I-lan; [1 TAP] in Nan-t'ou.
JMA Error ellipse: s-maj=6.7km s-min=4.1km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=24.6.
TAP B.
ISC VII 22 14 11 49.2–.33 24.21N–.02 121.79E–.02 9–3 85 0-3
JMA VII 22 14 11 47.5–.40 24.12N 121.55E 59 2.8 **¶12951589**
NEIC VII 22 14 11 47.5–6.4 24.19N 121.85E 13–23 2.8
ISCJB VII 22 14 11 48.6–.41 24.21N–.02 121.80E–.02 6–3 2.8
TAP VII 22 14 11 48.4 24.20N 121.78E 10–0 3.5L
ISC Event type se.
JMA Error ellipse: s-maj=6.7km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=68.5km s-min=13.0km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.4km az=30.1.
TAP B.
ISC VII 23 06 56 47.6–.47 24.74N–.03 121.91E–.02 72–4 87 0-3
NEIC VII 23 06 56 41.3–4.1 24.77N 122.49E 10 3.1 **¶12951609**
ISCJB VII 23 06 56 47.1–.46 24.74N–.03 121.91E–.02 74–4 3.1
TAP VII 23 06 56 47.5 24.73N 121.88E 70–0 3.9L
JMA VII 23 06 56 47.4–.20 24.65N 121.91E 75 3.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.3km s-min=13.7km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=165.2.
TAP A.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
ISC VII 23 13 14 30.8–.42 23.10N–.02 121.49E–.02 19–2 92 0-4
ISCJB VII 23 13 14 30.6–.34 23.10N–.02 121.52E–.02 22–3 **¶13389896**
TAP VII 23 13 14 31.0 23.13N 121.43E 22–0 3.2L
JMA VII 23 13 14 32.4–.50 23.35N 121.48E 103 3.2L
ISCJB Error ellipse: s-maj=3.3km s-min=2.6km az=20.0.
TAP C.
JMA Error ellipse: s-maj=5.6km s-min=4.1km az=-1.0.
ISC VII 23 22 27 40.1–.42 24.13N–.01 121.80E–.03 3–3 94 0-3
ISCJB VII 23 22 27 39.9–.43 24.14N–.01 121.79E–.03 5–2 **¶12951591**
TAP VII 23 22 27 40.2 24.16N 121.74E 12–0 3.9L
NEIC VII 23 22 27 40.1–1.6 24.13N 121.75E 10 3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.1km az=16.4.
TAP B.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=6.8km az=93.0.
ISC VII 23 22 43 29.7–.33 24.14N–.02 121.78E–.02 8–3 91 0-3
ISCJB VII 23 22 43 29.4–.38 24.14N–.02 121.79E–.02 6–2 **¶12951590**
TAP VII 23 22 43 29.6 24.16N 121.74E 12–0 3.5L
JMA VII 23 22 43 29.1–.40 24.17N 121.58E 56 2.6
NEIC VII 23 22 43 30.0–1.5 24.16N 121.70E 10 2.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.2km s-min=2.2km az=37.9.
TAP B.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=6.2km az=94.0.
ISC VII 24 03 00 16.4–.38 24.14N–.01 121.79E–.02 6–3 89 0-3
ISCJB VII 24 03 00 15.9–.41 24.15N–.01 121.78E–.02 1–3 **¶12951631**
TAP VII 24 03 00 16.0 24.15N 121.75E 13–0 3.9L
NEIC VII 24 03 00 17.4–1.4 24.17N 121.65E 10 3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.0km az=20.1.
TAP B.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=6.1km az=96.0.
ISC VII 26 20 15 11.4–.21 23.20N–.01 120.54E–.02 17–1 3.4b 123 0-48
IDC VII 26 20 15 07.8–1.1 22.95N 120.24E 0 3.6,3.5b **¶11153791**
NEIC VII 26 20 15 09.8–1.3 23.16N 120.53E 15–7 4.4L,3.5b
TAP VII 26 20 15 10.4 23.20N 120.55E 15–0 4.1L,3.5b
ISCJB VII 26 20 15 11.3–.22 23.20N–.01 120.53E–.02 20–2 3.4b,3.5b
ISC Event type fe.
NEIC Event type fe. Recorded [3 TAP] in Chia-i; [2 TAP] in Kao-hsiung and T'ai-nan; [1 TAP] in Chang-hua and Yun-lin.
TAP B.
ISCJB Event type fe.
ISC VII 26 20 51 22.8–.21 23.20N–.01 120.53E–.02 17–1 3.7b 136 0-84
BJI VII 26 20 51 16.8 23.11N 120.86E 17 4.1L,3.9 **¶11153792**
IDC VII 26 20 51 19.1–.92 23.13N 120.57E 0 3.8,3.7
TAP VII 26 20 51 21.9 23.21N 120.55E 15–0 4.3L,3.7
ISCJB VII 26 20 51 22.6–.21 23.19N–.01 120.51E–.02 22–2 3.7b,3.7
NEIC VII 26 20 51 22.1–.69 23.20N 120.59E 17–4 4.4L,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=33.7km s-min=20.1km az=65.0.
TAP B.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.2km az=7.9.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=6.8km az=107.0. Recorded [3 TAP] in Chia-i; [2 [TAP] in Chang-hua, Kao-hsiung, T'ai-nan and Yun-lin; [1 TAP] in T'ai-tung and P'eng-hu.
ISC VII 31 21 01 54.6–.33 23.69N–.01 121.70E–.02 12–2 3.8b,3.2s 169 0-83
NIED VII 31 21 01 00 23.70N 121.50E 5 4.2W,3.2s **¶11747232**
ISCJB VII 31 21 01 53.8–.40 23.67N–.01 121.74E–.02 9–2 3.8b,3.2s
JMA VII 31 21 01 53.9–.50 23.67N 121.50E 74 3.6,3.2s
TAP VII 31 21 01 54.9 23.73N 121.61E 9–0 4.3L,3.2s
NEIC VII 31 21 01 55.1 23.73N 121.56E 17 4.7L,4.0b
IDC VII 31 21 02 00.9–5.5 23.71N 121.74E 64–52 3.9L,3.6
BJI VII 31 21 02 03.2 24.15N 121.11E 17 4.4b,4.2s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s45.00000°,δ74.00000°,λ74.00000°. NP2:ϕ_s271.00000°,δ22.00000°,λ134.00000°. $M_0$2.21000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=31.8.
JMA Error ellipse: s-maj=5.6km s-min=4.1km az=-1.0.
TAP B.
NEIC Event type fe. Recorded [4 TAP] in Hua-lien and [1 TAP] in T'ai-tung. After TAP.
IDC Error ellipse: s-maj=23.3km s-min=22.8km az=20.0.
ISC VII 31 21 09 10.3–.50 23.69N–.02 121.72E–.03 3–4 97 0-2
NEIC VII 31 21 09 09.7–2.0 23.69N 121.72E 10–12 **¶12951777**
TAP VII 31 21 09 10.7 23.73N 121.60E 9–0 3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=7.4km az=108.0.
TAP C.
ISC VII 31 21 41 43.3–.43 23.68N–.01 121.72E–.02 6–3 112 0-3
JMA VII 31 21 41 42.9–.30 23.63N 121.54E 73 2.7 **¶12951776**
NEIC VII 31 21 41 42.4–2.5 23.70N 121.76E 12–12 2.7
TAP VII 31 21 41 43.6 23.73N 121.62E 9–0 3.6L
ISC Event type se.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=7.2km az=108.0.
TAP B.
ISC VIII 01 02 45 06.1–.37 24.41N–.02 121.85E–.03 22–3 82 0-3
ISCJB VIII 01 02 45 06.0–.37 24.40N–.02 121.86E–.03 23–3 **¶13643476**
TAP VIII 01 02 45 05.1 24.39N 121.81E 29–0 4.0L
ISCJB Error ellipse: s-maj=4.2km s-min=2.9km az=19.6.
TAP B.
ISC VIII 01 18 55 49.4–.19 24.04N–.01 121.59E–.01 25–1 4.8b,4.2s 387 0-149
NIED VIII 01 18 55 00 24.00N 121.50E 29 4.5W,4.2s **¶11154078**
IDC VIII 01 18 55 44.9–.53 24.08N 121.77E 0 4.6,4.5
BJI VIII 01 18 55 47.6 24.20N 121.54E 11 4.8b,4.7L
NEIC VIII 01 18 55 47.2–.65 23.99N 121.70E 18–3 5.4L,4.9b
MOS VIII 01 18 55 47.9–1.0 24.03N 121.73E 33 5.0b,4.3s
ISCJB VIII 01 18 55 48.9–.23 24.04N–.01 121.61E–.01 32–1 4.8b,4.2s
JMA VIII 01 18 55 48.8–.20 23.99N 121.48E 63 4.7,4.2s
TAP VIII 01 18 55 49.3 24.05N 121.53E 21–0 5.1L,4.2s
DJA VIII 01 18 56 23 22.69N 121.56E 147 4.5b,4.2s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ79.00000°,λ33.00000°. NP2:ϕ_s68.00000°,δ57.00000°,λ167.00000°. $M_0$6.29000×10^{15}
IDC Error ellipse: s-maj=17.9km s-min=13.4km az=54.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.2km az=106.0. Felt at Pan-ch'iao. Recorded [5 TAP] in Hua-lien; [4 TAP] in I-lan and Nan-t'ou; [2 TAP] in Chang-hua, Hsin-chu and Yun-lin; [1 TAP] in T'ai-pei, T'ai-tung and T'ao-yuan.
MOS Error ellipse: s-maj=9.3km s-min=5.4km az=116.1.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=41.0.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP B.
TAP VIII 01 18 58 25.2 23.11N 120.62E 10–0 3.6L
¶13643516
TAP B.
IDC VIII 03 06 46 55.3–1.9 24.42N 121.33E 0 3.5L,3.3b
¶12580910
IDC Error ellipse: s-maj=72.1km s-min=32.6km az=69.0.
TAP VIII 03 13 50 03.9 25.07N 121.63E 138–0 3.6L
¶13643624
TAP B.

ISC VIII 07 17 32 29.5–.34 23.78N–.02 121.83E–.02 33–2 102 0-3
ISCJB VIII 07 17 32 29.3–.27 23.78N–.02 121.85E–.02 36–8 **¶13643790**
TAP VIII 07 17 32 29.2 23.81N 121.78E 45–0 3.1L
JMA VIII 07 17 32 29.7–.40 23.87N 121.87E 76 2.9
ISCJB Error ellipse: s-maj=3.4km s-min=2.3km az=43.8.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
ISC VIII 08 20 54 44.1–.28 24.67N–.02 121.74E–.02 11–2 57 0-2
ISCJB VIII 08 20 54 43.9–.28 24.68N–.02 121.73E–.02 12–2 **¶13391188**
TAP VIII 08 20 54 43.8 24.68N 121.72E 10–0 2.8L
JMA VIII 08 20 54 45.4–.40 24.19N 121.72E 38 2.8L
ISCJB Error ellipse: s-maj=3.3km s-min=2.9km az=34.0.
TAP B.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
ISC VIII 09 02 42 39.7–.28 23.69N–.01 121.50E–.02 11–2 98 0-3
ISCJB VIII 09 02 42 39.5–.34 23.68N–.01 121.52E–.02 11–2 **¶13391206**
TAP VIII 09 02 42 39.5 23.71N 121.42E 15–0 3.7L
JMA VIII 09 02 42 40.0–.50 23.66N 121.44E 78 2.8
ISCJB Error ellipse: s-maj=3.1km s-min=1.9km az=38.6.
TAP B.
JMA Error ellipse: s-maj=7.8km s-min=4.1km az=-1.0.
ISC VIII 09 14 26 22.7–.29 23.80N–.02 121.68E–.02 39–5 80 0-3
TAP VIII 09 14 26 21.9 23.82N 121.62E 46–0 3.0L **¶13391248**
ISCJB VIII 09 14 26 22.2–.30 23.79N–.02 121.69E–.02 42–6 3.0L
JMA VIII 09 14 26 22.8–.40 24.11N 121.71E 90 2.2
TAP C.
ISCJB Error ellipse: s-maj=3.7km s-min=2.4km az=135.7.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
ISC VIII 11 06 04 48.8–.32 24.04N–.02 121.74E–.02 53–4 96 0-3
ISCJB VIII 11 06 04 48.3–.32 24.04N–.02 121.75E–.02 55–4 **¶13391393**
TAP VIII 11 06 04 48.5 24.05N 121.73E 57–0 3.6L
JMA VIII 11 06 04 48.5–.20 24.25N 121.79E 84 2.6
ISCJB Error ellipse: s-maj=3.7km s-min=2.3km az=42.3.
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC VIII 12 03 28 11.9–.33 24.00N–.01 121.67E–.02 8–2 3.5b 118 0-49
IDC VIII 12 03 28 10.2–2.2 23.85N 121.67E 0 3.7,3.7 **¶11908102**
ISCJB VIII 12 03 28 11.4–.37 24.00N–.01 121.67E–.02 4–2 3.5b,3.7
NEIC VIII 12 03 28 11.5 24.03N 121.59E 9 4.2L,3.7
TAP VIII 12 03 28 11.6 24.00N 121.61E 6–0 3.9L,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=169.8km s-min=26.7km az=65.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=1.7km az=18.9.
NEIC Event type fe. Recorded [4 TAP] in Hua-lien and [1 TAP] in I-lan and Nan-t'ou. After TAP.
TAP B.
ISC VIII 12 19 23 31.4–.37 23.99N–.01 121.71E–.02 3–2 3.9b,3.7s 140 0-79
NIED VIII 12 19 23 00 24.30N 121.40E 5 4.7W,3.7s **¶11230882**
ISCJB VIII 12 19 23 30.5–.41 23.99N–.01 121.74E–.02 1–2 4.0b,3.7s
IDC VIII 12 19 23 30.8–1.1 24.01N 121.75E 0 3.8,3.7
TAP VIII 12 19 23 31.3 24.01N 121.63E 6–0 4.2L,3.7
NEIC VIII 12 19 23 31.8–.57 23.97N 121.67E 10 4.5L,4.2b
BJI VIII 12 19 23 33.6 23.94N 121.37E 15 4.6b,4.3s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s273.00000°,δ75.00000°,λ-78.00000°. NP2:ϕ_s55.00000°,δ19.00000°,λ-126.00000°. $M_0$1.11000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=1.9km az=21.2.
IDC Error ellipse: s-maj=25.3km s-min=22.6km az=72.0.
TAP B.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=6.3km az=106.0. Recorded [5 TAP] at Hua-lien and [2 TAP] in I-lan and Nan-t'ou.
ISC VIII 14 11 39 59.9–.26 23.88N–.02 121.65E–.02 41–4 97 0-4
ISCJB VIII 14 11 39 59.4–.28 23.88N–.02 121.66E–.02 45–4 **¶13391721**
JMA VIII 14 11 39 59.6–.20 24.09N 121.67E 88 2.7
TAP VIII 14 11 39 59.4 23.89N 121.58E 45–0 3.5L
ISCJB Error ellipse: s-maj=3.6km s-min=2.4km az=145.3.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP B.
ISC VIII 14 23 24 29.5–.44 24.37N–.02 121.99E–.03 14–2 85 0-3
NEIC VIII 14 23 24 29.0–2.5 24.34N 121.96E 10 **¶12099948**
ISCJB VIII 14 23 24 29.2–.53 24.36N–.02 122.00E–.03 12–2
TAP VIII 14 23 24 29.3 24.39N 121.93E 25–0 3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=9.4km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.6km az=6.1.
TAP B.
ISC VIII 15 06 38 25.5–.44 23.73N–.02 121.98E–.02 16–2 101 0-3
ISCJB VIII 15 06 38 25.5–.41 23.71N–.02 122.00E–.02 18–4 **¶12099957**
NEIC VIII 15 06 38 25.5–3.4 23.76N 121.95E 10
JMA VIII 15 06 38 26.4–.20 23.71N 121.96E 55 2.7
TAP VIII 15 06 38 26.2 23.76N 121.93E 16–0 3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=38.5.
NEIC Event type se. Error ellipse: s-maj=36.1km s-min=11.2km az=107.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP D.
ISC VIII 15 08 06 49.1–.51 23.15N–.02 121.96E–.02 11–2 97 1-3
NEIC VIII 15 08 06 46.4–4.0 23.05N 122.11E 10 **¶12099958**
ISCJB VIII 15 08 06 49.0–.66 23.14N–.02 121.99E–.02 13–4
JMA VIII 15 08 06 51.0–.30 23.10N 121.99E 54 2.8
TAP VIII 15 08 06 51.3 23.13N 121.91E 27–0 3.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=43.6km s-min=13.5km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=2.4km az=153.7.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP C.
ISC VIII 15 13 25 58.8–.41 23.99N–.01 121.66E–.03 4–5 84 0-2
NEIC VIII 15 13 25 58.2–1.9 23.97N 121.67E 2–17 3.6L **¶12099963**
TAP VIII 15 13 25 58.3 23.99N 121.60E 5–0 3.3L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=26.2km s-min=6.0km az=106.0. Recorded [4 TAP] at Hua-lien and [1 TAP] in I-lan and Nan-t'ou.
TAP B.
ISC VIII 16 02 04 14.7–.40 24.36N–.02 121.94E–.02 8–4 59 0-2
ISCJB VIII 16 02 04 14.4–.45 24.37N–.02 121.94E–.02 7–3 **¶13391841**
TAP VIII 16 02 04 14.8 24.36N 121.86E 19–0 3.1L
JMA VIII 16 02 04 16.2–.20 25.11N 122.19E 22 3.1L
ISCJB Error ellipse: s-maj=3.8km s-min=2.8km az=43.9.
TAP C.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC VIII 17 17 37 56.5–.17 24.00N–.02 121.76E–.01 44–2 4.0b,3.3s 191 0-96
NIED VIII 17 17 37 00 24.10N 121.70E 44 4.1W,3.3s **¶11167634**
IDC VIII 17 17 37 49.1–.66 23.97N 121.81E 0 4.1,4.0b
BJI VIII 17 17 37 52.8 23.90N 121.86E 28 4.5b,4.2b
ISCJB VIII 17 17 37 55.6–.17 23.99N–.02 121.77E–.01 52–2 4.0b,3.3s
NEIC VIII 17 17 37 55.1–.66 23.96N 121.83E 40–5 4.1b,3.3s
TAP VIII 17 17 37 56.1 24.00N 121.70E 43–0 4.6L,3.3s
JMA VIII 17 17 37 56.4–.20 24.09N 121.75E 71 4.1,3.3s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s169.00000°,δ60.00000°,λ55.00000°. NP2:ϕ_s43.00000°,δ45.00000°,λ134.00000°. $M_0$1.60000×10^{15}
IDC Error ellipse: s-maj=22.3km s-min=15.2km az=67.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.9km az=144.1.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=5.8km az=99.0. Recorded [3 TAP] in Hua-lien and I-lan; [2 TAP] in Nan-t'ou and T'ai-chung; [1 TAP] in Chang-hua.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC VIII 18 12 32 56.2–.30 23.92N–.01 121.52E–.02 16–2 82 0-2
NEIC VIII 18 12 32 55.2–1.1 23.93N 121.53E 10 4.0L **¶12100036**
ISCJB VIII 18 12 32 56.1–.33 23.91N–.02 121.54E–.03 20–3 4.0L
TAP VIII 18 12 32 56.2 23.94N 121.46E 17–0 3.3L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=21.4km s-min=7.4km az=110.0. Recorded [3 TAP] in Hua-lien and [1 TAP] in Nan-t'ou.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.2km az=23.9.
TAP B.
ISC VIII 18 18 59 32.0–.28 23.67N–.01 121.64E–.02 27–2 112 0-4
ISCJB VIII 18 18 59 31.7–.27 23.66N–.01 121.66E–.02 29–2 **¶13392035**
TAP VIII 18 18 59 31.8 23.69N 121.60E 33–0 3.4L
JMA VIII 18 18 59 31.8–.30 23.65N 121.80E 11 2.6
ISCJB Error ellipse: s-maj=3.0km s-min=2.0km az=38.5.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
TAP VIII 20 04 22 19.2 24.80N 121.87E 85–0 3.5L
¶13644513
TAP C.
ISC VIII 22 02 22 38.9–.34 23.77N–.02 121.76E–.02 32–2 72 0-3
ISCJB VIII 22 02 22 38.5–.34 23.77N–.02 121.78E–.02 32–2 **¶13392301**
TAP VIII 22 02 22 38.8 23.80N 121.72E 33–0 3.5L
JMA VIII 22 02 22 39.4–.40 23.84N 121.81E 73 3.0
ISCJB Error ellipse: s-maj=3.7km s-min=2.6km az=136.4.
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
ISC VIII 22 02 55 58.3–.21 24.11N–.01 121.33E–.02 10–2 3.8b 103 0-59
NEIC VIII 22 02 55 56.7–.50 24.06N 121.32E 10 4.1L **¶11908571**
IDC VIII 22 02 55 56.4–1.6 23.77N 120.80E 0 3.9,3.8b
TAP VIII 22 02 55 57.3 24.11N 121.30E 5–0 4.0L,3.8b
ISCJB VIII 22 02 55 58.1–.24 24.11N–.01 121.32E–.02 5–2 3.8b,3.8b
ISC Event type fe.
NEIC Event type fe. Recorded [5 TAP] in Nan-t'ou, [3 TAP] in Hua-lien, [2 TAP] in T'ai-chung and [1 TAP] in I-lan.
TAP B.
ISCJB Event type fe.
ISC VIII 26 17 48 00.7–.20 23.20N–.02 121.65E–.01 44–2 4.3b,3.5s 239 0-79
BJI VIII 26 17 47 53.3 22.92N 121.97E 30 4.5b,4.1L **¶11245823**
IDC VIII 26 17 47 54.1–.60 23.07N 121.36E 0 4.2,4.1
MOS VIII 26 17 47 56.0–.80 23.29N 122.03E 33 4.7b,4.1
NEIC VIII 26 17 47 56.0–1.3 23.18N 121.92E 17–7 5.1L,4.4b
ISCJB VIII 26 17 47 59.8–.20 23.20N–.02 121.67E–.02 53–2 4.3b,3.5s
NIED VIII 26 17 48 00 23.30N 121.70E 44 4.4W,3.5s
TAP VIII 26 17 48 00.7 23.23N 121.58E 40–0 4.8L,3.5s
JMA VIII 26 17 48 01.7–.20 23.27N 121.72E 89 4.3,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=25.9km s-min=13.3km az=72.0.
MOS Error ellipse: s-maj=16.4km s-min=7.2km az=129.1.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=5.8km az=87.0. Recorded [3 TAP] in T'ai-tung; [2 TAP] in Hua-lien and T'ai-chung; [1 TAP] in Chang-hua, Chia-i, T'ai-nan and Yun-lin.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=144.2.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ78.00000°,λ102.00000°. NP2:ϕ_s151.00000°,δ17.00000°,λ44.00000°. $M_0$4.30000×10^{15}
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VIII 26 17 54 36.3–.45 23.25N–.02 121.66E–.02 26–3 68 0-3
ISCJB VIII 26 17 54 35.7–.46 23.24N–.02 121.69E–.03 24–4 **¶13392669**
TAP VIII 26 17 54 36.5 23.25N 121.58E 40–0 3.2L
JMA VIII 26 17 54 37.2–.30 23.25N 121.73E 80 2.5
ISCJB Error ellipse: s-maj=4.5km s-min=3.4km az=136.1.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC VIII 27 13 08 13.9–.22 22.86N–.01 120.62E–.02 15–1 124 0-4
TAP VIII 27 13 08 12.3 22.87N 120.60E 18–0 3.7L **¶12100287**
ISCJB VIII 27 13 08 13.7–.24 22.86N–.01 120.64E–.02 13–2 3.7L
NEIC VIII 27 13 08 13.8–3.0 22.93N 120.66E 15–8 3.7L
JMA VIII 27 13 08 13.0–.40 22.75N 120.63E 124 2.9
ISC Event type se.
TAP B.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=1.8km az=173.2.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=11.1km az=51.0.
JMA Error ellipse: s-maj=7.8km s-min=5.1km az=-1.0.
ISC VIII 27 20 34 13.3–.21 23.19N–.02 121.66E–.02 41–3 3.9b 183 0-79
NIED VIII 27 20 34 00 23.30N 121.70E 53 4.3W **¶11245824**
IDC VIII 27 20 34 06.5–.71 23.24N 121.82E 0 4.0b,4.0
NEIC VIII 27 20 34 12.2–.60 23.19N 121.73E 39–5 4.9L,4.3b
ISCJB VIII 27 20 34 12.4–.21 23.18N–.02 121.67E–.02 50–2 3.9b,4.3b
TAP VIII 27 20 34 13.3 23.23N 121.58E 40–0 4.7L,4.3b
JMA VIII 27 20 34 14.3–.20 23.26N 121.73E 90 4.2,4.3b
BJI VIII 27 20 34 18.5 23.48N 120.99E 38 4.3b,4.2s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s17.00000°,δ80.00000°,λ113.00000°. NP2:ϕ_s130.00000°,δ25.00000°,λ25.00000°. $M_0$3.43000×10^{15}
IDC Error ellipse: s-maj=26.6km s-min=14.6km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=5.8km az=130.0. Recorded [3 TAP] in T'ai-tung, [2 TAP] in Hua-lien and [1 TAP] in Chia-i, Kao-hsiung, T'ai-chung and Yun-lin.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=139.9.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC VIII 31 11 40 53.0–.38 24.27N–.02 121.79E–.03 23–2 95 0-3
NEIC VIII 31 11 40 48.4–2.6 24.19N 122.06E 10 3.9L **¶12100407**
ISCJB VIII 31 11 40 52.7–.38 24.25N–.02 121.80E–.03 24–2 3.9L
TAP VIII 31 11 40 52.8 24.28N 121.70E 30–0 3.7L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=27.2km s-min=9.4km az=87.0. Recorded [3 TAP] in Hua-lien and I-lan; [1 TAP] in Nan-t'ou.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.6km az=19.6.
TAP B.
ISC IX 03 08 20 20.8–.23 23.57N–.01 120.67E–.02 15–2 88 0-2
TAP IX 03 08 20 19.6 23.56N 120.67E 11–0 3.5L **¶12951871**
NEIC IX 03 08 20 19.8–1.4 23.59N 120.66E 10 4.1L
ISCJB IX 03 08 20 20.7–.23 23.57N–.01 120.68E–.02 10–2 4.1L
ISC Event type fe.
TAP B.
NEIC Event type fe. Recorded [3 TAP] in Yun-lin and [2 TAP] in Chia-i.
ISCJB Event type fe.
ISC IX 03 19 23 35.6–.46 23.67N–.02 121.73E–.02 1–5 92 0-2
JMA IX 03 19 23 36.7–.30 23.58N 121.67E 85 2.2 **¶13645228**
TAP IX 03 19 23 36.1 23.71N 121.60E 9–0 3.5L
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
TAP C.
ISC IX 06 23 00 36.0–.19 23.98N–.02 121.88E–.02 52–2 3.9b 164 0-83
NIED IX 06 23 00 00 24.10N 121.90E 47 4.1W **¶11245825**
BJI IX 06 23 00 30.0 23.96N 121.91E 14 4.4b,4.1b
NEIC IX 06 23 00 34.8–.66 23.95N 121.96E 50–5 4.1b,4.1b
ISCJB IX 06 23 00 35.1–.20 23.98N–.02 121.89E–.02 58–2 3.9b,4.1b
JMA IX 06 23 00 35.9–.20 24.14N 121.89E 83–4 4.1,4.1b
TAP IX 06 23 00 36.0 23.99N 121.81E 51–0 4.6L,4.1b
IDC IX 06 23 00 40.8–6.8 24.05N 121.76E 100–56 3.7,3.6
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s34.00000°,δ65.00000°,λ94.00000°. NP2:ϕ_s204.00000°,δ25.00000°,λ81.00000°. $M_0$1.85000×10^{15}
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=6.8km az=124.0. Recorded [3 TAP] in Hua-lien and I-lan; [2 TAP] in Nan-t'ou; [1 TAP] in Chang-hua, T'ai-chung and Yun-lin.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=138.2.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
TAP B.
IDC Error ellipse: s-maj=48.4km s-min=25.8km az=151.0.
ISC IX 08 08 31 40.5–.32 23.39N–.02 121.59E–.02 24–2 3.8b 129 0-70
IDC IX 08 08 31 36.7–.99 23.07N 121.18E 0 3.9,3.7 **¶11245860**
BJI IX 08 08 31 37.0 23.30N 121.70E 20 3.9b,3.6L
NEIC IX 08 08 31 38.0–.75 23.34N 121.69E 10 4.7L,3.6L
ISCJB IX 08 08 31 40.3–.30 23.39N–.02 121.60E–.02 27–2 3.8b,3.6L
TAP IX 08 08 31 40.9 23.43N 121.51E 31–0 4.3L,3.6L
JMA IX 08 08 31 42.0–.30 23.45N 121.63E 79 3.4,3.6L

ISC Event type fe.
IDC Error ellipse: s-maj=48.6km s-min=19.8km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=9.0km az=93.0. Recorded [3 TAP] in Hua-lien and T'ai-tung; [1 TAP] in Chang-hua and Chia-i.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=35.4.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.

ISC	**IX**	**08 20 15 38.2–.52**	**24.82N–.03**	**122.00E–.02**	**92–4**		**101**	**0-3**	
ISCJB	IX	08 20 15 37.7–.52	24.83N–.03	122.00E–.02	94–4				**¶13645512**
TAP	IX	08 20 15 37.5	24.84N	122.00E	95–1	3.9L			
JMA	IX	08 20 15 37.6–.30	24.94N	122.00E	84	3.0			

ISCJB Error ellipse: s-maj=5.5km s-min=2.9km az=160.1.
TAP D.
JMA Error ellipse: s-maj=5.6km s-min=3.0km az=-1.0.

ISC	**IX**	**09 06 13 45.4–.38**	**23.23N–.02**	**121.63E–.02**	**32–2**		**107**	**0-3**	
NEIC	IX	09 06 13 41.0–2.8	23.18N	121.88E	10				**¶12951967**
TAP	IX	09 06 13 44.6	23.22N	121.66E	32–0	3.7L			
ISCJB	IX	09 06 13 45.1–.28	23.23N–.02	121.65E–.02	37–11	3.7L			
JMA	IX	09 06 13 46.2–.30	23.29N	121.71E	86	2.8			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=13.1km az=124.0.
TAP C.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.3km az=35.9.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.

ISC	**IX**	**09 19 11 10.6–.41**	**24.36N–.02**	**121.90E–.02**	**6–5**		**60**	**0-2**	
ISCJB	IX	09 19 11 10.3–.45	24.37N–.02	121.90E–.02	6–3				**¶13645554**
TAP	IX	09 19 11 10.9	24.38N	121.84E	12–0	3.0L			
JMA	IX	09 19 11 11.5–.20	24.88N	121.91E	42	2.2			

ISCJB Error ellipse: s-maj=3.7km s-min=2.8km az=40.3.
TAP B.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.

ISC	**IX**	**10 19 11 51.8–.55**	**24.82N–.03**	**121.71E–.03**	**76–4**		**88**	**0-2**	
ISCJB	IX	10 19 11 51.4–.53	24.81N–.03	121.71E–.03	77–3				**¶13645600**
TAP	IX	10 19 11 51.6	24.78N	121.69E	73–0	3.6L			
JMA	IX	10 19 11 51.5–.20	25.33N	121.98E	32	2.8			

ISCJB Error ellipse: s-maj=5.4km s-min=3.3km az=152.8.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.

ISC	**IX**	**13 02 58 37.2–.44**	**23.98N–.01**	**121.65E–.03**	**5–6**		**75**	**0-2**	
NEIC	IX	13 02 58 37.0–1.3	24.00N	121.59E	10	3.8L			**¶12952030**
TAP	IX	13 02 58 36.8	23.99N	121.60E	7–0	3.4L			

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=20.2km s-min=6.8km az=104.0. Recorded [4 TAP] in Hua-lien and [1 TAP] in I-lan and Nan-t'ou.
TAP B.

ISC	**IX**	**14 17 45 50.4–.24**	**23.84N–.01**	**121.32E–.02**	**5–3**	**3.2b**	**90**	**0-49**	
TAP	IX	14 17 45 49.6	23.87N	121.29E	11–0	3.7L			**¶11282232**
IDC	IX	14 17 45 49.2–1.2	23.42N	121.00E	0	3.5,3.4b			
NEIC	IX	14 17 45 49.5–.66	23.80N	121.39E	10	3.5,3.4b			
ISCJB	IX	14 17 45 50.0–.26	23.85N–.01	121.30E–.02	2–3	3.2b,3.4b			

ISC Event type se.
TAP B.
NEIC Event type se.
ISCJB Event type se.

ISC	**IX**	**16 22 27 52.4–.39**	**23.03N–.02**	**121.44E–.02**	**14–2**	**3.5b**	**110**	**0-84**	
ISCJB	IX	16 22 27 52.4–.34	23.03N–.02	121.46E–.02	22–3	3.5b			**¶11910434**
TAP	IX	16 22 27 53.0	23.08N	121.36E	21–0	4.0L			
NEIC	IX	16 22 27 53.3–.74	23.16N	121.22E	10	3.9b			
JMA	IX	16 22 27 53.5–.50	22.89N	121.51E	50	3.4			
IDC	IX	16 22 28 06.7–4.9	23.20N	121.21E	135–48	3.4,3.2b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.8km az=27.8.
TAP C.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.9km az=126.0.
JMA Error ellipse: s-maj=5.6km s-min=7.2km az=-1.0.
IDC Error ellipse: s-maj=25.2km s-min=19.6km az=77.0.

ISC	**IX**	**18 00 43 37.5–.28**	**24.19N–.01**	**121.81E–.02**	**45–4**		**121**	**0-3**	
NEIC	IX	18 00 43 32.6–3.3	24.13N	122.15E	10				**¶12952094**
ISCJB	IX	18 00 43 36.9–.29	24.19N–.01	121.81E–.02	49–3				
TAP	IX	18 00 43 36.9	24.21N	121.75E	48–0	3.9L			
JMA	IX	18 00 43 37.3–.30	24.34N	121.85E	73	2.8			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.9km s-min=10.8km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.2km az=26.1.
TAP B.
JMA Error ellipse: s-maj=8.9km s-min=2.0km az=-1.0.

ISC	**IX**	**19 19 43 58.9–.39**	**24.47N–.02**	**121.97E–.02**	**13–3**		**63**	**0-2**	
ISCJB	IX	19 19 43 58.5–.43	24.47N–.02	121.98E–.02	10–3				**¶13645953**
TAP	IX	19 19 43 59.1	24.49N	121.90E	12–0	2.8L			
JMA	IX	19 19 43 59.5–.30	24.76N	121.98E	42	2.0			

ISCJB Error ellipse: s-maj=3.3km s-min=2.6km az=145.0.
TAP D.
JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.

ISC	**IX**	**22 21 01 03.0–.28**	**22.93N–.01**	**120.99E–.02**	**0–3**		**99**	**0-2**	
ISCJB	IX	22 21 01 02.7–.29	22.93N–.01	120.98E–.02	2–3				**¶12952134**
TAP	IX	22 21 01 02.0	22.94N	120.96E	6–0	3.8L			
NEIC	IX	22 21 01 02.7–.99	22.96N	121.01E	10	3.8L			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.3km az=179.0.
TAP C.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=9.0km az=74.0.

ISC	**IX**	**23 18 57 28.8–.41**	**23.07N–.02**	**120.18E–.02**	**14–2**		**88**	**0-2**	
TAP	IX	23 18 57 27.7	23.06N	120.22E	15–0	3.6L			**¶12952153**
ISCJB	IX	23 18 57 28.8–.43	23.06N–.02	120.16E–.03	16–3	3.6L			
NEIC	IX	23 18 57 31.5–3.1	23.15N	120.42E	10	4.2L			

ISC Event type fe.
TAP B.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=171.3.
NEIC Event type fe. Error ellipse: s-maj=31.8km s-min=12.3km az=67.0. Recorded [4 TAP] in T'ai-nan and [1 TAP] in Chia-i.

ISC	**IX**	**25 07 25 29.6–.45**	**23.08N–.02**	**120.15E–.03**	**16–2**		**69**	**0-2**	
ISCJB	IX	25 07 25 29.7–.46	23.08N–.02	120.14E–.03	19–3				**¶12952196**
TAP	IX	25 07 25 29.0	23.06N	120.21E	16–0	3.5L			
NEIC	IX	25 07 25 32.6–3.4	23.14N	120.40E	10	4.3L			

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.4km az=166.1.
TAP B.
NEIC Event type fe. Error ellipse: s-maj=33.7km s-min=12.2km az=70.0. Recorded [3 TAP] at T'ai-nan.

TAP	**IX**	**25 15 48 09.2**	**23.06N**	**120.22E**	**16–0**	**3.6L**			
									¶13646220

TAP B.

ISC	**IX**	**25 21 27 30.7–.39**	**23.07N–.02**	**120.16E–.02**	**17–1**		**96**	**0-46**	
TAP	IX	25 21 27 29.9	23.06N	120.22E	17–0	3.5L			**¶12952188**
NEIC	IX	25 21 27 29.8	23.03N	120.19E	19	4.2L,4.1b			
ISCJB	IX	25 21 27 30.6–.40	23.07N–.02	120.14E–.02	21–2	4.2L,4.1b			

ISC Event type fe.
TAP B.
NEIC Event type fe. Recorded [4 TAP] at T'ai-nan and [1 TAP] in Chia-i. After TAP.
ISCJB Event type fe.

TAP	**IX**	**27 18 46 11.5**	**24.11N**	**121.72E**	**8–0**	**3.7L**			
									¶13646294

TAP C.

ISC	**IX**	**27 22 51 13.5–.54**	**24.09N–.02**	**121.77E–.03**	**2–5**		**79**	**0-2**	
NEIC	IX	27 22 51 12.6–2.1	24.09N	121.78E	10				**¶12952218**
TAP	IX	27 22 51 13.2	24.11N	121.71E	8–0	3.8L			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=8.3km az=93.0.
TAP C.

ISC	**IX**	**29 07 11 37.8–.31**	**23.79N–.02**	**121.62E–.02**	**38–5**		**74**	**0-2**	
TAP	IX	29 07 11 36.4	23.78N	121.64E	39–1	3.5L			**¶13646349**
ISCJB	IX	29 07 11 37.3–.32	23.79N–.02	121.63E–.02	40–6	3.5L			
JMA	IX	29 07 11 37.6–.10	24.91N	121.77E	110	3.5L			

TAP D.
ISCJB Error ellipse: s-maj=3.8km s-min=2.7km az=41.5.
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.

ISC	**IX**	**30 07 48 18.0–.45**	**24.11N–.01**	**121.75E–.03**	**7–3**		**87**	**0-2**	
ISCJB	IX	30 07 48 17.6–.47	24.11N–.01	121.74E–.03	2–3				**¶11331034**
TAP	IX	30 07 48 17.8	24.12N	121.70E	6–0	3.7L			
NEIC	IX	30 07 48 18.9–.91	24.12N	121.55E	2–15	3.7L			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.0km az=18.0.
TAP C.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=8.0km az=98.0.

ISC	**X**	**02 12 25 05.0–.35**	**23.51N–.02**	**121.62E–.02**	**31–2**		**77**	**0-3**	
JMA	X	02 12 25 03.9–.30	23.49N	121.58E	57	2.7			**¶13646463**
ISCJB	X	02 12 25 04.6–.35	23.50N–.02	121.64E–.02	32–2	2.7			
TAP	X	02 12 25 04.6	23.54N	121.58E	42–0	3.4L			

JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISCJB Error ellipse: s-maj=3.6km s-min=2.5km az=137.1.
TAP C.

ISC	**X**	**04 16 24 48.6–.33**	**24.45N–.02**	**121.93E–.02**	**12–2**		**92**	**0-3**	
ISCJB	X	04 16 24 48.8–.33	24.45N–.01	121.94E–.02	15–4				**¶13646565**
JMA	X	04 16 24 48.4–.40	24.39N	121.82E	42	2.5			
TAP	X	04 16 24 48.5	24.46N	121.86E	21–0	3.2L			

ISCJB Error ellipse: s-maj=3.4km s-min=2.2km az=25.9.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
TAP B.

ISC	**X**	**04 22 02 25.3–.34**	**23.88N–.03**	**121.83E–.02**	**41–8**		**51**	**0-3**	
ISCJB	X	04 22 02 24.9–.36	23.87N–.03	121.85E–.02	43–8				**¶13646581**
JMA	X	04 22 02 24.7–.20	23.98N	121.91E	99	2.2			
TAP	X	04 22 02 24.2	23.87N	121.83E	44–1	3.0L			

ISCJB Error ellipse: s-maj=5.4km s-min=3.2km az=150.7.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP D.

ISC	**X**	**05 03 18 33.9–.34**	**23.13N–.01**	**121.40E–.02**	**19–2**		**89**	**0-3**	
ISCJB	X	05 03 18 33.7–.30	23.13N–.02	121.41E–.02	25–2				**¶13646595**
JMA	X	05 03 18 33.2–.20	23.15N	121.65E	0	2.6			
TAP	X	05 03 18 33.9	23.15N	121.32E	17–0	3.3L			

ISCJB Error ellipse: s-maj=3.2km s-min=2.4km az=22.3.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP B.

ISC	**X**	**06 03 43 18.5–.34**	**23.17N–.02**	**121.59E–.02**	**29–2**		**117**	**0-4**	
NEIC	X	06 03 43 15.8–2.3	23.15N	121.73E	10	3.3			**¶13396154**
ISCJB	X	06 03 43 18.1–.33	23.17N–.02	121.62E–.02	30–2	3.3			
JMA	X	06 03 43 18.8–.30	23.21N	121.65E	85	3.3			
TAP	X	06 03 43 18.3	23.19N	121.54E	42–0	3.9L			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=9.9km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.3km az=39.2.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP C.

ISC	**X**	**10 09 34 46.4–.19**	**23.85N–.01**	**121.02E–.02**	**24–2**		**106**	**0-2**	
TAP	X	10 09 34 45.4	23.85N	121.01E	29–0	3.9L			**¶13396546**
NEIC	X	10 09 34 45.8–1.0	23.85N	121.05E	10	3.9L			
ISCJB	X	10 09 34 46.4–.20	23.85N–.01	121.02E–.02	25–2	3.9L			

ISC Event type se.
TAP B.
NEIC Event type se.
ISCJB Event type se.

ISC	**X**	**14 03 55 05.3–.25**	**23.84N–.01**	**121.65E–.02**	**42–4**		**125**	**0-4**	
NEIC	X	14 03 55 02.8–3.6	23.79N	121.80E	27–20	3.3			**¶13397007**
ISCJB	X	14 03 55 04.8–.26	23.84N–.01	121.66E–.02	46–4	3.3			
TAP	X	14 03 55 04.6	23.86N	121.58E	52–0	4.1L			
JMA	X	14 03 55 05.3–.10	24.00N	121.67E	88–5	3.3			

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=42.4km s-min=13.7km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.0km az=31.6.
TAP B.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.

ISC	**X**	**15 11 48 45.3–.44**	**24.58N–.03**	**121.82E–.02**	**59–4**		**82**	**0-3**	
ISCJB	X	15 11 48 44.9–.44	24.56N–.03	121.82E–.02	60–4				**¶13647011**
TAP	X	15 11 48 44.9	24.54N	121.77E	56–0	3.6L			
JMA	X	15 11 48 45.5–.20	24.80N	121.91E	55	2.5			

ISCJB Error ellipse: s-maj=4.8km s-min=3.1km az=152.6.
TAP B.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.

ISC	**X**	**16 03 18 35.6–.46**	**23.58N–.02**	**121.68E–.03**	**6–4**		**83**	**0-3**	
ISCJB	X	16 03 18 34.8–.47	23.57N–.02	121.70E–.02	2–3				**¶13647061**
TAP	X	16 03 18 35.8	23.61N	121.61E	12–0	3.3L			
JMA	X	16 03 18 36.3–.30	23.49N	121.64E	72	3.3L			

ISCJB Error ellipse: s-maj=3.4km s-min=2.1km az=32.1.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.

ISC	**X**	**16 20 24 49.2–.35**	**23.75N–.02**	**121.75E–.02**	**35–2**		**95**	**0-3**	
ISCJB	X	16 20 24 48.8–.28	23.74N–.02	121.76E–.02	38–7				**¶13647085**
TAP	X	16 20 24 48.7	23.78N	121.71E	46–0	3.1L			
JMA	X	16 20 24 49.7–.30	23.92N	121.83E	91	2.6			

ISCJB Error ellipse: s-maj=3.5km s-min=2.3km az=136.3.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.

TAP	**X**	**19 23 23 43.7**	**24.07N**	**120.32E**	**28–0**	**3.5L**			
									¶13647199

TAP C.

ISC	**X**	**23 02 43 30.6–.23**	**24.46N–.02**	**121.76E–.02**	**31–2**		**97**	**0-3**	
NEIC	X	23 02 43 27.3–2.7	24.41N	121.98E	10				**¶13397853**
JMA	X	23 02 43 28.4–.20	24.65N	121.69E	72	2.9			
TAP	X	23 02 43 29.7	24.45N	121.73E	37–0	3.9L			
ISCJB	X	23 02 43 30.2–.24	24.44N–.02	121.78E–.02	31–2	3.9L			

ISC Event type se.
NEIC Event type se.
TAP B.
ISCJB Event type se.

ISC	**X**	**24 22 03 31.2–.36**	**24.39N–.01**	**121.89E–.02**	**1–3**		**90**	**0-3**	
ISCJB	X	24 22 03 30.8–.37	24.40N–.01	121.89E–.02	3–3				**¶13647400**
TAP	X	24 22 03 31.1	24.40N	121.83E	12–0	3.5L			
JMA	X	24 22 03 31.4–.30	24.17N	121.82E	29	2.8			

ISCJB Error ellipse: s-maj=3.0km s-min=2.1km az=31.8.
TAP B.
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.

ISC	**X**	**25 04 47 57.7–.21**	**24.28N–.02**	**121.71E–.02**	**61–2**	**3.9b**	**158**	**0-72**	
ISCJB	X	25 04 47 56.9–.22	24.28N–.02	121.71E–.02	66–2	3.9b			**¶12071058**
NEIC	X	25 04 47 56.4–.50	24.21N	121.79E	62–4	3.8b			
JMA	X	25 04 47 57.0–.30	24.41N	121.70E	81	3.4			
TAP	X	25 04 47 57.7	24.28N	121.62E	58–0	4.3L			
IDC	X	25 04 47 59.9–6.8	24.28N	121.96E	100–71	3.5L,3.5b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.1km az=40.2.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.0km az=95.0.
JMA Error ellipse: s-maj=6.7km s-min=2.0km az=-1.0.
TAP B.
IDC Error ellipse: s-maj=53.6km s-min=15.3km az=63.0.

ISC	**X**	**25 05 48 39.6–.32**	**23.58N–.02**	**121.58E–.02**	**33–2**		**91**	**0-3**	
ISCJB	X	25 05 48 39.3–.27	23.57N–.02	121.60E–.02	36–7				**¶13647420**
JMA	X	25 05 48 39.6–.30	23.71N	121.63E	104	2.6			
TAP	X	25 05 48 39.1	23.58N	121.53E	46–0	3.4L			

ISCJB Error ellipse: s-maj=3.4km s-min=2.3km az=43.3.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
TAP C.

ISC	**X**	**26 11 01 37.3–.41**	**23.08N–.02**	**121.51E–.02**	**20–2**		**81**	**0-3**	
ISCJB	X	26 11 01 36.8–.45	23.09N–.02	121.55E–.03	17–6				**¶13647480**
JMA	X	26 11 01 38.6–.40	23.08N	121.56E	67	3.0			

TAP X 26 11 01 38.1 23.13N 121.42E 25–0 3.3L
ISCJB Error ellipse: s-maj=4.2km s-min=3.4km az=5.4.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
TAP C.
ISC X 26 12 44 42.1–.54 24.84N–.03 121.80E–.02 93–4 106 0-3
NEIC X 26 12 44 34.3–12 24.86N 122.60E 10 ¶13398120
ISCJB X 26 12 44 41.6–.53 24.83N–.03 121.81E–.02 94–3
JMA X 26 12 44 42.3–.30 24.82N 121.83E 85 2.7
TAP X 26 12 44 42.2 24.79N 121.77E 90–0 4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=140.0km s-min=21.0km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.0km az=153.9.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
TAP B.
ISC X 27 19 00 37.9–.45 24.62N–.03 121.86E–.02 75–4 104 0-5
ISCJB X 27 19 00 37.4–.43 24.62N–.03 121.86E–.02 76–4 ¶13398281
TAP X 27 19 00 37.7 24.60N 121.83E 72–0 4.0L
NEIC X 27 19 00 37.6 24.61N 121.83E 77 4.6
JMA X 27 19 00 38.1–.30 24.81N 121.95E 71 3.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.9km az=157.9.
TAP A.
NEIC Event type fe. Recorded [2 TAP] in I-lan and [1 TAP] in T'ao-yuan. After TAP.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
TAP X 27 20 42 53.5 24.22N 121.92E 11–0 3.7L
¶13647532
TAP C.
ISC X 30 10 07 58.0–.35 24.77N–.02 121.98E–.02 9–3 60 0-2
ISCJB X 30 10 07 57.6–.43 24.76N–.02 122.00E–.02 4–4 ¶13647665
JMA X 30 10 07 58.2–.20 24.90N 121.91E 50 2.5
TAP X 30 10 07 58.2 24.80N 121.92E 10–0 2.9L
ISCJB Error ellipse: s-maj=4.1km s-min=3.0km az=146.4.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
TAP C.
ISC X 30 22 07 55.9–1.3 24.52N–.09 121.7E–.10 64–8 21 0-19
ISCJB X 30 22 07 55.3–1.3 24.53N–.09 121.7E–.10 68–8 ¶13398677
TAP X 30 22 07 55.2 24.47N 121.67E 64–1 2.6L
BJI X 30 22 08 05.9 23.87N 120.94E 7 4.3b,4.2b
ISCJB Error ellipse: s-maj=16.4km s-min=14.7km az=43.7.
TAP A.
ISC X 30 22 07 55.4–.42 23.31N–.01 121.99E–.01 17–2 3.5b,3.4s 177 1-84
NIED X 30 22 07 00 23.40N 122.00E 83 4.7W,3.4s ¶13647685
IDC X 30 22 07 52.0–.89 23.23N 122.05E 0 3.7,3.7
NEIC X 30 22 07 53.7–.60 23.25N 122.05E 10 4.1,3.7
ISCJB X 30 22 07 54.9–.38 23.30N–.01 122.02E–.02 16–3 3.5b,3.4s
TAP X 30 22 07 57.2 23.32N 121.93E 30–0 4.6L,3.4s
JMA X 30 22 07 57.4–.20 23.37N 121.99E 70 4.1,3.4s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s58.00000°,δ80.00000°,λ115.00000°. NP2:ϕ_s170.00000°,δ27.00000°,λ24.00000°. $M_0$1.19000×10^{16}
IDC Error ellipse: s-maj=26.7km s-min=20.4km az=70.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.6km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.0km az=44.6.
TAP B.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC X 30 22 25 26.1–.32 23.05N–.01 120.20E–.02 14–1 3.5b,2.8s 117 0-71
BJI X 30 22 25 19.5 22.86N 120.53E 6 4.0s,4.0 ¶11391028
NEIC X 30 22 25 23.3 23.03N 120.22E 21 4.4L,4.0
TAP X 30 22 25 24.9 23.07N 120.23E 16–0 4.0L,4.0
IDC X 30 22 25 24.7–.91 22.80N 120.00E 0 3.7,3.6
ISCJB X 30 22 25 25.7–.42 23.05N–.02 120.17E–.02 14–2 3.5b,2.8s
JMA X 30 22 25 26.2–.30 22.73N 120.35E 127 3.4,2.8s
ISC Event type fe.
NEIC Event type fe. Recorded [4 TAP] in T'ai-nan and [1 TAP] in Chia-i. After TAP.
TAP B.
IDC Error ellipse: s-maj=28.5km s-min=18.4km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=163.3.
JMA Error ellipse: s-maj=5.6km s-min=4.1km az=-1.0.
ISC X 30 23 36 38.4–.40 23.06N–.02 120.19E–.03 15–2 86 0-2
TAP X 30 23 36 37.2 23.05N 120.22E 15–0 3.5L ¶13398686
ISCJB X 30 23 36 38.4–.44 23.07N–.02 120.18E–.03 12–2 3.5L
NEIC X 30 23 36 41.1–3.3 23.15N 120.43E 10 3.5L
ISC Event type se.
TAP B.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=169.0.
NEIC Event type se. Error ellipse: s-maj=32.5km s-min=11.5km az=71.0.
ISC X 31 08 38 16.7–.28 23.05N–.01 120.19E–.02 14–1 4.1b,3.4s 174 0-147
NIED X 31 08 38 00 23.00N 120.70E 38 4.3W,3.4s ¶13398717
ISCJB X 31 08 38 16.0–.37 23.06N–.01 120.14E–.02 14–2 4.1b,3.4s
TAP X 31 08 38 15.7 23.07N 120.22E 15–0 4.6L,3.4s
NEIC X 31 08 38 15.5–1.7 22.97N 120.24E 9–11 4.8L,4.4b
BJI X 31 08 38 18.4 23.11N 119.88E 15 4.6L,4.4b
IDC X 31 08 38 20.2–4.6 22.92N 120.09E 46–46 3.9,3.8
JMA X 31 08 38 28.4–.60 22.99N 120.71E 92 3.9,3.8
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s360.00000°,δ73.00000°,λ-37.00000°. NP2:ϕ_s102.00000°,δ54.00000°,λ-159.00000°. $M_0$3.69000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.3km az=157.0.
TAP B.
NEIC Event type fe. Error ellipse: s-maj=12.7km s-min=8.2km az=63.0. Recorded [4 TAP] in T'ai-nan; [3 TAP] in Chia-i and Yun-lin; [2 TAP] in Nan-t'ou and P'eng-hu; [1 TAP] in Chang-hua; Kao-hsiung and T'ai-chung.
IDC Error ellipse: s-maj=24.1km s-min=13.3km az=65.0.
JMA Error ellipse: s-maj=8.9km s-min=6.1km az=-1.0.
ISC XI 03 10 51 27.7–.27 23.77N–.02 121.67E–.02 45–4 98 0-3
TAP XI 03 10 51 27.0 23.78N 121.62E 49–0 3.7L ¶13647887
JMA XI 03 10 51 26.2–.40 23.87N 121.63E 82 2.9
ISCJB XI 03 10 51 27.1–.28 23.76N–.02 121.69E–.02 48–4 2.9
TAP B.
ISC XI 04 01 07 16.0–.32 23.87N–.01 121.79E–.02 15–2 3.6b 138 0-45
IDC XI 04 01 07 12.4–2.0 23.98N 122.00E 0 3.8,3.7 ¶11392411
NEIC XI 04 01 07 13.8–.90 23.86N 121.89E 10 4.2L,3.7
ISCJB XI 04 01 07 15.6–.38 23.85N–.01 121.82E–.02 12–2 3.6b,3.7
TAP XI 04 01 07 16.4 23.89N 121.72E 22–0 4.0L,3.7
JMA XI 04 01 07 16.6–.30 23.92N 121.71E 63 3.3,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=143.1km s-min=26.8km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=13.3km s-min=7.4km az=99.0. Recorded [3 TAP] in Hua-lien, [2 TAP] in Nan-t'ou and [1 TAP] in I-lan and T'ai-chung.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.9km az=37.5.
TAP B.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC XI 05 05 42 06.6–.46 24.42N–.01 121.86E–.03 7–3 77 0-2
ISCJB XI 05 05 42 06.3–.45 24.43N–.01 121.85E–.03 7–2 ¶13399285
NEIC XI 05 05 42 06.4–2.9 24.42N 121.83E 10 3.9L
TAP XI 05 05 42 06.1 24.44N 121.83E 17–0 3.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.2km az=12.1.
NEIC Event type fe. Error ellipse: s-maj=34.2km s-min=7.9km az=88.0. Recorded [4 TAP] in I-lan and [3 TAP] in Hua-lien.
TAP C.
ISC XI 05 18 02 44.7–.34 23.33N–.02 121.54E–.02 28–2 84 0-3
ISCJB XI 05 18 02 44.2–.33 23.32N–.02 121.57E–.02 28–3 ¶13647992
TAP XI 05 18 02 45.0 23.36N 121.45E 35–0 3.0L
JMA XI 05 18 02 46.2–.30 23.39N 121.59E 67 3.0L
ISCJB Error ellipse: s-maj=3.6km s-min=2.4km az=25.5.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
ISC XI 06 07 20 48.9–.21 23.89N–.01 120.74E–.02 27–1 117 0-2
NEIC XI 06 07 20 47.2–1.6 23.91N 120.71E 18–14 4.2L ¶11396247
ISCJB XI 06 07 20 48.8–.21 23.89N–.01 120.74E–.02 28–1 4.2L
TAP XI 06 07 20 48.1 23.88N 120.75E 29–0 3.9L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=21.9km s-min=7.9km az=112.0. Recorded [3 TAP] in Nan-t'ou and Yun-lin, [2 TAP] in Chang-hua and T'ai-chung.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=1.7km az=32.7.
TAP B.
ISC XI 12 19 03 26.4–.39 23.49N–.02 121.69E–.02 34–2 78 0-3
TAP XI 12 19 03 24.9 23.47N 121.66E 53–0 3.0L ¶13648228
ISCJB XI 12 19 03 25.9–.34 23.48N–.02 121.71E–.02 39–10 3.0L
JMA XI 12 19 03 26.8–.50 23.66N 121.80E 113 2.5
TAP D.
ISCJB Error ellipse: s-maj=4.2km s-min=2.6km az=40.7.
JMA Error ellipse: s-maj=6.7km s-min=5.1km az=-1.0.
ISC XI 13 04 09 19.6–.30 23.55N–.02 121.61E–.02 24–2 120 0-3
NEIC XI 13 04 09 16.7–2.1 23.49N 121.77E 10 3.5 ¶11451593
ISCJB XI 13 04 09 19.3–.30 23.54N–.02 121.63E–.02 26–2 3.5
TAP XI 13 04 09 19.8 23.57N 121.55E 32–0 4.1L
JMA XI 13 04 09 20.5–.40 23.62N 121.62E 65 3.5
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=24.6km s-min=8.6km az=119.0. Recorded [2 TAP] in T'ai-tung and [1 TAP] in Hua-lien.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=41.5.
TAP B.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
ISC XI 14 03 20 00.1–.35 23.90N–.02 121.76E–.02 16–2 82 0-3
JMA XI 14 03 19 59.9–.50 24.15N 121.62E 66 2.7 ¶13648304
TAP XI 14 03 19 60.0 23.91N 121.71E 23–0 3.4L
ISCJB XI 14 03 20 00.2–.33 23.89N–.02 121.77E–.02 19–5 3.4L
TAP B.
ISC XI 17 07 31 54.5–.27 23.93N–.02 121.79E–.02 44–4 120 0-3
NEIC XI 17 07 31 49.3–2.5 23.84N 122.10E 10 ¶13400411
TAP XI 17 07 31 53.9 23.95N 121.72E 51–0 4.0L
JMA XI 17 07 31 53.9–.40 23.95N 121.80E 72 3.3
ISCJB XI 17 07 31 54.0–.27 23.92N–.02 121.80E–.02 47–4 3.3
ISC Event type se.
NEIC Event type se.
TAP B.
ISCJB Event type se.
ISC XI 17 15 51 14.8–.40 24.48N–.03 121.77E–.02 62–4 92 0-3
ISCJB XI 17 15 51 14.3–.41 24.47N–.03 121.78E–.02 63–4 ¶13648435
TAP XI 17 15 51 14.4 24.45N 121.73E 60–0 3.7L
JMA XI 17 15 51 14.7–.30 24.67N 121.85E 70 2.7
ISCJB Error ellipse: s-maj=5.0km s-min=2.8km az=154.5.
TAP B.
JMA Error ellipse: s-maj=8.9km s-min=3.0km az=-1.0.
ISC XI 18 02 25 04.6–.22 23.56N–.01 120.59E–.02 14–2 102 0-2
NEIC XI 18 02 25 04.0–1.4 23.56N 120.61E 10 4.0L ¶11457622
TAP XI 18 02 25 03.5 23.55N 120.60E 10–0 3.6L
ISCJB XI 18 02 25 04.6–.23 23.56N–.01 120.59E–.02 10–2 3.6L
ISC Event type fe.
NEIC Event type fe. Recorded [3 TAP] in Chia-i and Yun-lin; [2 TAP] in Nan-t'ou; [1 TAP] in Chang-hua, Kao-hsiung, T'ai-chung and T'ai-nan.
TAP A.
ISCJB Event type fe.
ISC XI 20 05 53 57.0–.40 24.02N–.02 121.70E–.03 24–2 89 0-2
NEIC XI 20 05 53 55.1–2.4 23.96N 121.78E 10 ¶13400662
ISCJB XI 20 05 53 56.9–.40 24.02N–.02 121.71E–.03 25–2
TAP XI 20 05 53 56.6 24.03N 121.65E 32–0 3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=8.6km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=2.4km az=19.4.
TAP C.
ISC XI 21 02 52 18.6–.49 24.59N–.03 121.82E–.02 69–4 77 0-3
ISCJB XI 21 02 52 18.2–.48 24.58N–.03 121.83E–.02 70–4 ¶13648554
JMA XI 21 02 52 18.5–.30 24.84N 121.91E 65 2.6
TAP XI 21 02 52 18.1 24.57N 121.79E 68–0 3.6L
ISCJB Error ellipse: s-maj=5.4km s-min=3.1km az=157.7.
JMA Error ellipse: s-maj=6.7km s-min=3.0km az=-1.0.
TAP B.
ISC XI 23 10 26 28.6–.28 24.83N–.02 121.93E–.02 10 96 0-3
JMA XI 23 10 26 25.6–.40 25.13N 121.96E 6 3.4 ¶13400932
TAP XI 23 10 26 27.9 24.83N 121.89E 9–0 3.8L
ISCJB XI 23 10 26 28.2–.29 24.85N–.02 121.94E–.02 10 3.8L
NEIC XI 23 10 26 29.9–2.7 24.79N 121.78E 10 3.4
ISC Event type se.
JMA Error ellipse: s-maj=5.6km s-min=5.0km az=-1.0.
TAP B.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=2.2km az=11.4.
NEIC Event type se. Error ellipse: s-maj=31.8km s-min=10.3km az=64.0.
ISC XI 23 12 19 49.8–.65 24.84N–.03 121.92E–.03 107–4 81 0-3
ISCJB XI 23 12 19 49.4–.63 24.83N–.03 121.92E–.03 108–4 ¶13648641
TAP XI 23 12 19 49.2 24.86N 121.89E 109–0 3.3L
JMA XI 23 12 19 49.7–.30 24.93N 121.96E 106 2.5
ISCJB Error ellipse: s-maj=5.8km s-min=3.6km az=152.7.
TAP C.
JMA Error ellipse: s-maj=7.8km s-min=3.0km az=-1.0.
ISC XI 24 12 00 30.9–.40 23.24N–.02 121.63E–.02 28–3 72 0-4
ISCJB XI 24 12 00 30.3–.41 23.24N–.02 121.66E–.02 28–3 ¶13648675
TAP XI 24 12 00 30.6 23.23N 121.67E 35–0 3.4L
JMA XI 24 12 00 31.6–.40 23.26N 121.69E 83 2.6
ISCJB Error ellipse: s-maj=4.1km s-min=3.1km az=146.9.
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
ISC XI 26 01 00 24.5–.29 23.91N–.01 121.52E–.02 14–2 85 0-2
NEIC XI 26 01 00 23.8–.93 23.91N 121.52E 14–8 3.9L ¶13401123
ISCJB XI 26 01 00 24.6–.29 23.91N–.01 121.51E–.02 12–2 3.9L
TAP XI 26 01 00 24.5 23.93N 121.47E 15–0 3.5L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=16.8km s-min=5.8km az=111.0. Recorded [4 TAP] in Hua-lien and [1 TAP] in Nan-t'ou and I-lan.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=1.9km az=19.9.
TAP B.
ISC XI 26 01 30 57.3–.32 23.92N–.01 121.52E–.02 14–2 76 0-2
NEIC XI 26 01 30 56.5–1.0 23.92N 121.52E 15–13 3.8L ¶13401131
ISCJB XI 26 01 30 57.4–.36 23.91N–.01 121.54E–.03 17–4 3.8L
TAP XI 26 01 30 57.2 23.93N 121.47E 16–0 3.3L
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=18.9km s-min=7.4km az=114.0. Recorded [3 TAP] in Hua-lien and [1 TAP] in Nan-t'ou.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=2.1km az=19.8.
TAP B.
ISC XI 27 15 57 04.3–.37 24.30N–.01 121.84E–.02 12–2 115 0-19
ISCJB XI 27 15 57 03.7–.41 24.29N–.01 121.86E–.02 8–2 ¶11482884
TAP XI 27 15 57 04.2 24.32N 121.78E 22–0 4.2L
NEIC XI 27 15 57 04.2 24.33N 121.75E 22 4.2L
BJI XI 27 15 57 11.8 24.62N 121.05E 10 4.2s,3.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.1km az=13.0.
TAP B.
NEIC Event type fe. Recorded [5 TAP] in I-lan, [3 TAP] in Hua-lien and [1 TAP] in Nan-t'ou and T'ao-yuan. After TAP.
ISC XI 27 18 37 13.2–.40 24.31N–.02 121.84E–.02 13–2 89 0-3
ISCJB XI 27 18 37 12.8–.52 24.30N–.01 121.88E–.03 13–3 ¶13648833
TAP XI 27 18 37 12.9 24.32N 121.78E 22–0 3.8L
ISCJB Error ellipse: s-maj=4.5km s-min=2.4km az=11.0.
TAP B.
ISC XI 27 18 39 15.6–.34 24.30N–.02 121.82E–.02 14–2 81 0-2
JMA XI 27 18 39 12.9–.40 25.16N 121.86E 14 2.9 ¶13648835
TAP XI 27 18 39 14.9 24.31N 121.79E 23–0 3.6L
ISCJB XI 27 18 39 15.7–.32 24.29N–.02 121.82E–.02 16–4 3.6L
TAP B.

ISC XI 28 18 50 50.3–.40 24.39N–.02 121.94E–.02 3–3 88 0-3
TAP XI 28 18 50 50.8 24.41N 121.85E 17–0 3.3L **¶13648879**
JMA XI 28 18 50 50.4–.20 24.60N 121.79E 45 2.5
TAP B.
JMA Error ellipse: s-maj=7.8km s-min=2.0km az=-1.0.
ISC XI 28 22 36 22.0–.42 24.39N–.02 121.90E–.02 0–3 79 0-2
ISCJB XI 28 22 36 21.7–.48 24.40N–.02 121.90E–.03 2–3 **¶11480436**
TAP XI 28 22 36 21.9 24.40N 121.85E 18–0 3.3L
NEIC XI 28 22 37 11.3 24.32N 121.79E 20 4.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.6km az=24.5.
TAP B.
NEIC Event type fe. Recorded [4 TAP] in I-lan and [2 TAP] in Hua-lien. After TAP.
ISC XI 30 09 39 15.7–.36 23.50N–.02 121.74E–.02 21–2 117 0-3
NEIC XI 30 09 39 11.9–2.2 23.40N 121.93E 10 **¶13401547**
ISCJB XI 30 09 39 15.4–.36 23.50N–.02 121.76E–.02 23–3
JMA XI 30 09 39 16.2–.20 23.45N 121.81E 26 3.4
TAP XI 30 09 39 16.6 23.54N 121.66E 34–0 3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=10.8km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.2km az=39.6.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
TAP B.
ISC XI 30 15 38 51.8–.65 24.85N–.03 121.93E–.03 106–4 82 0-3
ISCJB XI 30 15 38 51.4–.64 24.84N–.03 121.93E–.03 107–4 **¶13648970**
TAP XI 30 15 38 51.0 24.85N 121.89E 110–0 3.4L
JMA XI 30 15 38 52.5–.10 24.86N 121.98E 103 2.6
ISCJB Error ellipse: s-maj=5.7km s-min=3.5km az=157.9.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.
ISC XII 02 03 16 54.1–.28 23.31N–.01 121.57E–.01 34–1 5.2b,4.9s 842 0-177
NIED XII 02 03 16 00 23.40N 121.60E 35 5.3W,4.9s **¶11486871**
BJI XII 02 03 16 50.5 23.44N 121.51E 9 5.1s,5.1L
NEIC XII 02 03 16 53.3 23.28N 121.60E 30 5.3b,5.1W
ISCJB XII 02 03 16 53.6–.17 23.30N–.01 121.59E–.01 45–1 5.2b,4.9s
TAP XII 02 03 16 54.2 23.34N 121.49E 32–0 5.7L,4.9s
JMA XII 02 03 16 54.5–.20 23.35N 121.60E 82 5.2,4.9s
IDC XII 02 03 16 55.6–1.6 23.28N 121.46E 50–14 4.8,4.7b
DJA XII 02 03 16 56 23.39N 121.75E 49 5.3b,4.7b
MOS XII 02 03 16 56.0–.93 23.36N 121.66E 67 5.5b,5.1s
GCMT XII 02 03 16 56.2–.20 23.27N 121.52E 30–0 5.3W,5.1s
SZGRF XII 02 03 17 00.1 25.45N 122.64E 33 5.5b,4.9s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s39.00000°,δ84.00000°,λ98.00000°. NP2:ϕ_s165.00000°,δ10.00000°,λ37.00000°. $M_0$9.78000×10^{16}
NEIC Event type fe. Felt at Chang-hua, Nan-t'ou, Taipei and T'ao-yuan. Also felt at Fuzhou, China. Recorded [5 TAP] in T'ai-tung; [4 TAP] in Hua-lien; [3 TAP] in T'ai-chung; [2 TAP] in Chang-hua, Hsin-chu, I-lan, Kao-hsiung, P'eng-hu, T'ai-nan and Yun-lin; [1 TAP] in P'ing-tung, Taiwan. After TAP. Moment Tensor Solution. s29 Moment tensor: Scale 10^{16}Nm; M_{rr}5.82 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$-4.06 $M_{r\theta}$0.44 $M_{\theta\phi}$-2.64 $M_{\phi r}$1.19 Best double couple: NP1:ϕ_s31.00000°,δ51.00000°,λ87.00000°. NP2:ϕ_s216.00000°,δ39.00000°,λ94.00000°. Principal axes: T 5.9600,Plg83.0000°,Azm279.0000°; N -0.0400,Plg2.0000°,Azm32.0000° ; P -5.9200,Plg6.0000°,Azm122.0000° $M_0$5.90000×10^{16} Moment Tensor Solution. $M_0$5.80000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=41.6.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=14.6km s-min=9.0km az=68.0.
MOS Error ellipse: s-maj=7.7km s-min=3.9km az=121.2.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c104; s73,c124; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s223.00000°,δ42.00000°,λ117.00000°. NP2:ϕ_s9.00000° ,δ53.00000°,λ67.00000°. Principal axes: T 0.9400,Plg71.0000°,Azm221.0000° ; N 0.1300,Plg18.0000°,Azm23.0000°; P -1.0600,Plg6.0000°,Azm114.0000° $M_0$1.00000×10^{17}
SZGRF Taiwan region.
ISC XII 04 07 24 04.5–.32 24.45N–.02 121.90E–.02 17–2 83 0-2
JMA XII 04 07 24 03.2–.30 25.07N 121.99E 21 3.2 **¶11492035**
ISCJB XII 04 07 24 04.6–.30 24.45N–.02 121.91E–.02 20–3 3.2
TAP XII 04 07 24 04.0 24.46N 121.85E 28–0 3.7L
NEIC XII 04 07 24 05.2–2.0 24.44N 121.80E 10 4.3L
ISC Event type fe.
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=29.9.
TAP B.
NEIC Event type fe. Error ellipse: s-maj=25.7km s-min=7.0km az=85.0. Recorded [3 TAP] in I-lan and [1 TAP] in Hua-lien.
ISC XII 04 10 21 55.9–.37 24.46N–.01 121.91E–.02 15–2 103 0-3
ISCJB XII 04 10 21 55.9–.38 24.45N–.02 121.92E–.03 17–3 **¶13649144**
TAP XII 04 10 21 55.4 24.46N 121.86E 27–0 4.0L
NEIC XII 04 10 21 57.0–2.0 24.44N 121.75E 10 4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.6km az=14.1.
TAP B.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=7.1km az=85.0.
ISC XII 04 11 57 41.2–.31 24.46N–.02 121.88E–.02 25–3 69 0-2
JMA XII 04 11 57 39.5–.30 25.04N 121.90E 45 **¶13649154**
TAP XII 04 11 57 40.8 24.47N 121.85E 25–0 3.2L
ISCJB XII 04 11 57 41.0–.30 24.46N–.02 121.88E–.02 27–3 3.2L
TAP D.
ISC XII 06 19 55 30.2–.21 23.18N–.01 120.61E–.02 10 115 0-3
TAP XII 06 19 55 28.4 23.18N 120.59E 9–0 3.8L **¶13649261**
ISCJB XII 06 19 55 30.0–.21 23.17N–.01 120.60E–.02 10 3.8L
NEIC XII 06 19 55 29.6–1.5 23.22N 120.66E 6–9 3.8L
ISC Event type se.
TAP B.
ISCJB Event type se. Error ellipse: s-maj=2.0km s-min=1.6km az=2.6.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=8.8km az=63.0.
ISC XII 06 21 34 48.1–.22 23.18N–.01 120.61E–.01 3–3 105 0-2
TAP XII 06 21 34 46.2 23.18N 120.60E 9–0 3.5L **¶13649269**
ISCJB XII 06 21 34 47.8–.22 23.18N–.01 120.61E–.02 6–2 3.5L
NEIC XII 06 21 34 47.7–2.0 23.20N 120.64E 10 3.5L
ISC Event type se.
TAP B.
ISCJB Event type se. Error ellipse: s-maj=2.3km s-min=1.9km az=4.5.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=10.3km az=67.0.
TAP XII 11 07 32 42.0 24.28N 121.74E 44–1 2.7L
¶13649413
TAP D.
TAP XII 13 04 30 16.3 23.52N 120.45E 10–0 2.3L
¶13649486
TAP C.
ISC XII 13 20 48 06.1–.26 23.70N–.02 121.72E–.02 42–5 119 0-3
ISCJB XII 13 20 48 05.6–.27 23.70N–.02 121.73E–.02 46–5 **¶13649508**
TAP XII 13 20 48 05.3 23.73N 121.66E 48–0 3.8L
JMA XII 13 20 48 06.0–.20 23.87N 121.73E 83 3.0
ISCJB Error ellipse: s-maj=3.2km s-min=2.2km az=41.1.
TAP C.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC XII 16 19 09 55.7–.40 23.47N–.02 121.72E–.02 32–3 78 0-3
ISCJB XII 16 19 09 55.5–.29 23.46N–.02 121.73E–.02 33–15 **¶13649618**
TAP XII 16 19 09 55.3 23.49N 121.64E 49–0 3.3L
JMA XII 16 19 09 56.5–.40 23.44N 121.84E 83 2.4
ISCJB Error ellipse: s-maj=3.8km s-min=2.7km az=139.3.
TAP C.
JMA Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0.
ISC XII 18 21 47 39.6–.23 22.87N–.01 120.60E–.02 17–1 3.6b 144 0-48
IDC XII 18 21 47 34.8–4.3 22.97N 121.32E 0 3.9s,3.9 **¶12078105**
JMA XII 18 21 47 36.5–.60 22.68N 120.77E 0 3.6,3.9
NEIC XII 18 21 47 37.1–1.0 22.78N 120.59E 10 3.6,3.9
TAP XII 18 21 47 38.2 22.88N 120.60E 17–0 3.9L,3.9
ISCJB XII 18 21 47 39.5–.24 22.86N–.01 120.60E–.02 22–2 3.6b,3.9
ISC Event type se.
NEIC Event type se.
TAP B.
ISCJB Event type se.
TAP XII 19 05 56 53.0 24.85N 122.00E 15–0 4.0L
¶15686527
TAP C.
TAP XII 19 05 57 17.3 24.86N 121.98E 12–0 4.4L
¶13649776
TAP C.
TAP XII 19 06 14 20.6 24.81N 121.93E 5–2 2.6L
¶15686528
TAP C.
ISC XII 19 06 14 26.9–.54 24.84N–.02 122.00E–.04 10 3.5b 54 0-50
TAP XII 19 06 14 25.9 24.85N 121.99E 10–2 3.7L **¶13403247**
IDC XII 19 06 14 25.3–2.0 25.04N 122.78E 0 3.7,3.6b
ISCJB XII 19 06 14 26.2–.56 24.85N–.03 122.03E–.04 10 3.5b,3.6b
NEIC XII 19 06 14 28.4–.85 24.61N 121.53E 10 3.1,3.6b
ISC Event type se.
TAP C.
IDC Error ellipse: s-maj=170.8km s-min=20.3km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.6km az=172.2.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=8.5km az=78.0.
TAP XII 19 06 39 03.8 24.84N 121.97E 5–1 2.3L
¶13649808
TAP C.
ISC XII 21 02 31 52.4–.45 23.99N–.02 121.96E–.02 34–3 55 0-3
JMA XII 21 02 31 51.8–.30 23.71N 122.23E 9 2.9 **¶13650003**
ISCJB XII 21 02 31 52.1–.35 23.98N–.02 121.97E–.02 36–13 2.9
TAP XII 21 02 31 52.1 24.01N 121.90E 46–0 3.4L
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISCJB Error ellipse: s-maj=4.4km s-min=3.3km az=140.1.
TAP B.
ISC XII 23 00 04 44.7–.24 22.92N–.01 120.55E–.01 19–1 5.2b,4.7s 678 0-176
NIED XII 23 00 04 00 22.80N 120.50E 32 5.1W,4.7s **¶13403677**
IDC XII 23 00 04 40.8–.37 22.91N 120.72E 0 4.8,4.8
TAP XII 23 00 04 43.8 22.95N 120.55E 17–0 5.3L,4.8
BJI XII 23 00 04 43.5 23.02N 120.50E 17 5.2L,5.1s
MOS XII 23 00 04 44.3–.88 22.90N 120.71E 33 5.4b,4.7s
ISCJB XII 23 00 04 44.3–.20 22.89N–.01 120.54E–.01 29–1 5.2b,4.7s
GCMT XII 23 00 04 44.8–.30 22.85N 120.42E 24–1 5.1W,4.7s
JMA XII 23 00 04 44.4–.30 22.79N 120.53E 87 5.4,4.7s
NEIC XII 23 00 04 45.6 22.95N 120.57E 11 5.6L,5.4b
DJA XII 23 00 04 51 23.07N 120.83E 91 5.5b,5.4b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s196.00000°,δ76.00000°,λ147.00000°. NP2:ϕ_s294.00000°,δ59.00000°,λ16.00000°. $M_0$5.09000×10^{16}
IDC Error ellipse: s-maj=14.5km s-min=9.2km az=72.0.
TAP B.
MOS Error ellipse: s-maj=7.6km s-min=4.6km az=115.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.9km az=29.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 78, comp=111, per= 50. Moment Tensor Solution. s45,c53; s3,c3; Moment tensor: Scale 10^{16}Nm; M_{rr}3.62±.22 $M_{\theta\theta}$-0.31±.12; $M_{\phi\phi}$-3.31±.14; $M_{r\theta}$0.60±.15; $M_{\theta\phi}$1.66±.07; $M_{\phi r}$-2.97±.18; Best double couple: NP1:ϕ_s327.00000°,δ27.00000°,λ74.00000°. NP2:ϕ_s164.00000°,δ64.00000°,λ98.00000°. Principal axes: T 4.7200,Plg70.0000°,Azm91.0000°; N 0.3500,Plg7.0000°,Azm341.0000° ; P -5.0600,Plg19.0000°,Azm248.0000° $M_0$4.90000×10^{16}
JMA Error ellipse: s-maj=5.6km s-min=3.1km az=-1.0.
NEIC Event type fe. Felt [IV] at Kao-hsiung and [III] at T'ai-nan. Also felt at Chang-hua, Chu-pei, Heng-ch'un, Hsin-chu, P'ing-tung and T'ai-chung. Recorded [4 TAP] in Chia-i, Kao-hsiung and P'ing-tung; [3 TAP] in T'ai-nan and T'ai-tung; [2 TAP] in Chang-hua; [1 TAP] in Hua-lien and P'eng-hu. After TAP. Moment Tensor Solution. $M_0$3.20000×10^{16}
ISC XII 23 00 32 15.2–.28 22.94N–.01 120.57E–.02 18–2 73 0-2
TAP XII 23 00 32 14.4 22.94N 120.57E 16–0 3.5L **¶13650094**
ISCJB XII 23 00 32 15.2–.34 22.94N–.02 120.56E–.02 22–4 3.5L
NEIC XII 23 00 32 16.4–2.3 23.04N 120.66E 10 3.5L
ISC Event type se.
TAP B.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.6km az=171.1.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=9.2km az=58.0.
TAP XII 23 19 46 32.9 23.16N 120.96E 7–0 2.2L
¶13650162
TAP B.
TAP XII 23 19 46 34.9 22.77N 120.70E 19–0 2.6L
¶13650163
TAP A.
TAP XII 23 20 12 40.4 24.20N 121.67E 16–1 1.9L
¶13650164
TAP D.
TAP XII 24 18 19 21.4 22.93N 120.57E 16–0 3.6L
¶13650207
TAP B.
ISC XII 25 14 44 40.2–.22 23.22N–.02 121.64E–.02 41–3 4.0b 191 0-84
NIED XII 25 14 44 00 23.30N 121.70E 47 4.1W **¶11524493**
ISCJB XII 25 14 44 39.4–.22 23.22N–.02 121.65E–.02 49–2 4.0b
NEIC XII 25 14 44 39.1–.60 23.19N 121.69E 38–5 4.4b
IDC XII 25 14 44 40.9–3.4 23.24N 121.77E 55–32 3.9,3.8
TAP XII 25 14 44 40.1 23.25N 121.56E 38–0 4.5L,3.8
JMA XII 25 14 44 40.3–.20 23.29N 121.67E 91 3.9,3.8
BJI XII 25 14 44 43.0 23.72N 121.13E 8 4.1b,3.7b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s203.00000°,δ73.00000°,λ126.00000°. NP2:ϕ_s315.00000°,δ39.00000°,λ27.00000°. $M_0$1.58000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.2km az=43.1.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=6.5km az=112.0. Recorded [3 TAP] in T'ai-tung; [2 TAP] in Hua-lien; [1 TAP] in Chia-i, Kao-hsiung, Nan-t'ou, T'ai-chung and Yun-lin.
IDC Error ellipse: s-maj=19.2km s-min=14.6km az=58.0.
TAP B.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
ISC XII 28 18 34 37.1–.24 23.84N–.02 121.73E–.02 41–4 128 0-3
NEIC XII 28 18 34 35.6–1.1 23.79N 121.80E 35 **¶13650412**
ISCJB XII 28 18 34 36.5–.25 23.83N–.01 121.74E–.02 45–4
JMA XII 28 18 34 36.8–.30 23.96N 121.74E 75 2.9
TAP XII 28 18 34 36.6 23.86N 121.68E 47–0 3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=8.1km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.1km az=40.5.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
TAP C.

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ISC VII 08 04 20 40.2–.30 25.68N–.06 124.07E–.04 166–5 3.8b 60 1-94
NIED VII 08 04 20 00 25.60N 124.00E 155 3.9W **¶11746931**
ISCJB VII 08 04 20 39.1–.30 25.67N–.06 124.08E–.04 173–5 3.8b
JMA VII 08 04 20 41.3–.40 25.63N 124.01E 163 3.9
IDC VII 08 04 20 42.3–4.0 25.59N 123.83E 184–41 3.7,3.5b
NEIC VII 08 04 20 42.8–1.9 25.52N 123.77E 190–16 4.0b,3.5b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s88.00000°,δ81.00000°,λ-126.00000°. NP2:ϕ_s347.00000°,δ37.00000°,λ-14.00000°. $M_0$7.95000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.0km az=151.9.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=37.4km s-min=10.9km az=67.0.
NEIC Event type se. Error ellipse: s-maj=33.9km s-min=9.7km az=65.0.
ISC VII 27 13 03 04.5–.33 25.14N–.05 123.75E–.04 124–4 3.7b 49 1-74
ISCJB VII 27 13 03 03.4–.34 25.14N–.05 123.77E–.04 130–4 3.6b **¶11812719**
NEIC VII 27 13 03 04.7–2.3 25.16N 123.74E 128–18 3.9b
JMA VII 27 13 03 05.4–.20 25.09N 123.73E 117–3 4.0
IDC VII 27 13 03 07.3–4.5 25.16N 123.67E 148–43 3.5,3.4b

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.4km az=151.5.
NEIC Event type se. Error ellipse: s-maj=34.1km s-min=10.1km az=68.0.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=35.0km s-min=12.4km az=67.0.
JMA VIII 20 19 09 35.5–.20 25.22N 124.95E 6 3.7
¶13522415
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IX 02 12 03 14.8–.29 26.48N–.05 125.54E–.04 147–5 3.8b 66 1-94
NIED IX 02 12 03 00 26.50N 125.50E 125 4.1W **¶11747579**
ISCJB IX 02 12 03 13.8–.30 26.47N–.06 125.55E–.04 153–5 3.8b
JMA IX 02 12 03 15.4–.30 26.51N 125.50E 140 4.5
IDC IX 02 12 03 15.8–.96 26.51N 125.47E 156–8 3.7,3.6b
NEIC IX 02 12 03 15.3–.78 26.48N 125.49E 153–9 4.5,3.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s269.00000°,δ67.00000°,λ-140.00000°. NP2:ϕ_s161.00000°,δ54.00000°,λ-29.00000°. $M_0$1.79000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=3.1km az=147.5.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=18.8km s-min=12.8km az=78.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.8km az=147.0.
ISC X 01 07 34 47.5–.18 26.07N–.02 125.15E–.02 131–1 5.0b 702 1-168
NIED X 01 07 34 00 26.10N 125.10E 150 4.9W **¶11322853**
MOS X 01 07 34 45.2–.94 26.17N 125.17E 127 5.1b
ISCJB X 01 07 34 46.4–.19 26.10N–.02 125.10E–.02 132–2 5.0b
TEH X 01 07 34 47.0 26.07N 125.10E 129 5.0b
JMA X 01 07 34 47.7–.20 26.12N 125.10E 125 4.9
NEIC X 01 07 34 47.6–.35 26.06N 125.11E 136–3 5.1b
IDC X 01 07 34 48.0–.55 26.13N 125.28E 143–4 4.8,4.7
BJI X 01 07 34 49.3 25.99N 125.16E 159 5.1b,4.9b
GCMT X 01 07 34 50.2–.30 25.93N 125.18E 148–3 4.9W,4.9b
DJA X 01 07 34 50 26.04N 125.09E 152 5.3b,4.9b
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s51.00000°,δ79.00000°,λ-92.00000°. NP2:ϕ_s243.00000°,δ11.00000°,λ-78.00000°. $M_0$2.45000×10^{16}
MOS Error ellipse: s-maj=7.6km s-min=4.7km az=111.1.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.3km az=153.1.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.9km az=155.0. Recorded [1 JMA] in the Kerama-retto and on Miyako-jima, Ryukyu Islands.
IDC Error ellipse: s-maj=9.2km s-min=8.1km az=56.0.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s33,c38; s77,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.02±.12 $M_{\theta\theta}$0.86±.20; $M_{\phi\phi}$0.17±.21; $M_{r\theta}$-2.59±.09; $M_{\theta\phi}$-0.03±.15; $M_{\phi r}$-1.92±.09; Best double couple: NP1:ϕ_s275.00000°,δ9.00000°,λ-51.00000°. NP2:ϕ_s55.00000°,δ83.00000°,λ-96.00000°. Principal axes: T 3.1300,Plg38.0000°,Azm151.0000°; N 0.4200,Plg6.0000°,Azm56.0000°; P -3.5500,Plg52.0000°,Azm319.0000° $M_0$3.30000×10^{16}
JMA X 24 02 45 19.9–.20 25.47N 123.46E 189–4 3.5
¶14114483
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
JMA X 25 11 30 10.7–.20 25.03N 123.02E 136–3 2.5
¶15243675
JMA Error ellipse: s-maj=4.4km s-min=1.0km az=-1.0.
ISC X 28 02 49 50.3–.68 26.04N–.09 125.58E–.09 102–8 3.5b 20 1-66
IDC X 28 02 49 38.2–1.2 26.09N 125.78E 0 3.7,3.5b **¶12071299**
ISCJB X 28 02 49 49.4–.67 26.02N–.09 125.60E–.09 110–7 3.5b,3.5b
JMA X 28 02 49 50.6–.10 26.13N 125.47E 84 3.0,3.5b
IDC Error ellipse: s-maj=63.6km s-min=24.6km az=80.0.
ISCJB Error ellipse: s-maj=19.7km s-min=5.3km az=140.0.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC X 31 18 07 09.7–.23 25.43N–.04 124.64E–.03 114–3 4.2b 105 1-112
NIED X 31 18 07 00 25.50N 124.60E 98 4.2W **¶11749790**
ISCJB X 31 18 07 08.6–.23 25.42N–.04 124.65E–.03 121–3 4.2b
JMA X 31 18 07 09.9–.20 25.47N 124.55E 109 4.3
NEIC X 31 18 07 09.8–.55 25.42N 124.64E 115–5 4.2b
IDC X 31 18 07 09.8–2.4 25.46N 124.60E 114–21 4.1,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s197.00000°,δ51.00000°,λ97.00000°. NP2:ϕ_s6.00000°,δ40.00000°,λ82.00000°. $M_0$2.24000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.0km az=152.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.8km az=133.0.
IDC Error ellipse: s-maj=17.1km s-min=10.8km az=83.0.
JMA XI 02 22 27 13.9–.20 25.46N 123.74E 185–4 3.7
¶14117937
JMA Error ellipse: s-maj=5.6km s-min=2.0km az=-1.0.
JMA XI 03 12 11 03.4–.40 26.89N 125.56E 193 4.0
¶14118114
JMA Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
ISC XI 12 21 24 36.5–1.6 26.9N–.10 126.0E–.10 8–10 3.2b 16 1-47
IDC XI 12 21 24 36.6–1.3 27.26N 126.06E 0 3.5,3.5L **¶12073350**
JMA XI 12 21 24 40.4–.30 26.85N 126.15E 11 3.0,3.5L
IDC Error ellipse: s-maj=51.8km s-min=21.7km az=42.0.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISC XI 17 02 04 13.4–1.7 25.08N–.07 123.46E–.05 2–11 3.5b,3.5s 16 1-82
ISCJB XI 17 02 04 13.4–2.5 25.08N–.06 123.43E–.05 12–18 3.5b,3.5s **¶12073811**
JMA XI 17 02 04 14.1–.30 25.07N 123.42E 26–5 3.1,3.5s
IDC XI 17 02 04 16.5–1.2 24.21N 121.86E 0 3.8,3.7L
ISCJB Error ellipse: s-maj=9.9km s-min=8.0km az=15.7.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=74.9km s-min=20.3km az=70.0.
ISC XI 20 06 07 38.9–.49 26.15N–.08 124.73E–.06 164–8 3.4b 33 1-50
ISCJB XI 20 06 07 37.9–.49 26.11N–.08 124.74E–.06 173–7 3.4b **¶12074238**
NEIC XI 20 06 07 39.1–.79 26.13N 124.75E 168–9 3.4b
IDC XI 20 06 07 40.9–6.2 26.30N 125.09E 193–79 3.2,3.1
JMA XI 20 06 07 40.5–.50 26.18N 124.72E 155 3.2,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=5.4km az=149.9.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.9km az=148.0.
IDC Error ellipse: s-maj=102.7km s-min=15.2km az=62.0.
JMA Error ellipse: s-maj=5.6km s-min=4.0km az=-1.0.
ISC XI 26 20 57 05.7–.23 25.76N–.05 124.96E–.04 126–4 4.3b 97 1-80
NIED XI 26 20 57 00 25.90N 124.80E 116 4.1W **¶11751229**
ISCJB XI 26 20 57 04.6–.23 25.77N–.05 124.96E–.04 132–4 4.2b
JMA XI 26 20 57 06.0–.20 25.85N 124.83E 118 4.3
NEIC XI 26 20 57 06.0–.58 25.72N 124.91E 132–6 4.4b
IDC XI 26 20 57 06.8–.65 25.84N 125.08E 140–6 3.7,3.6b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ65.00000°,λ53.00000°. NP2:ϕ_s70.00000°,δ44.00000°,λ142.00000°. $M_0$1.77000×10^{15}
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=3.2km az=148.2.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.0km az=143.0.
IDC Error ellipse: s-maj=12.2km s-min=9.9km az=179.0.
ISC XII 02 14 42 22.6–.55 26.08N–.10 124.59E–.08 181–9 3.7b 33 1-71
ISCJB XII 02 14 42 21.7–.55 26.05N–.10 124.61E–.08 188–9 3.7b **¶12075513**
JMA XII 02 14 42 23.7–.30 26.16N 124.50E 165 3.5
NEIC XII 02 14 42 26.2–1.2 25.91N 124.13E 214–11 3.5
IDC XII 02 14 42 28.8–7.0 26.01N 124.35E 242–81 3.3b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=6.4km az=146.8.
JMA Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=13.6km az=101.0.
IDC Error ellipse: s-maj=80.9km s-min=18.7km az=64.0.
JMA XII 06 05 31 49.3–.40 26.54N 125.53E 147 3.5
¶15513429
JMA Error ellipse: s-maj=5.6km s-min=4.0km az=-1.0.
JMA XII 11 07 31 50.8–.20 25.34N 123.42E 171–4 3.1
¶15686525
JMA Error ellipse: s-maj=4.4km s-min=2.0km az=-1.0.

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ISC VII 10 17 51 06.4–.39 24.42N–.05 123.05E–.02 48–8 50 0-3
JMA VII 10 17 51 04.9–.10 24.39N 123.05E 59–1 2.9 **¶13388690**
ISCJB VII 10 17 51 05.7–.39 24.41N–.05 123.05E–.02 51–7 2.9
TAP VII 10 17 51 05.3 24.39N 122.96E 19–1 3.3L
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISCJB Error ellipse: s-maj=7.8km s-min=2.9km az=179.7.
TAP D.
ISC VII 12 19 36 45.9–.69 24.20N–.04 125.23E–.03 29–4 4.5b,3.9s 168 1-94
NIED VII 12 19 36 00 24.20N 125.20E 20 4.2W,3.9s **¶11109399**
IDC VII 12 19 36 41.5–.56 24.24N 125.12E 0 4.5,4.4
BJI VII 12 19 36 42.2 23.91N 125.67E 44 4.5b,4.3b
MOS VII 12 19 36 44.4–1.2 24.32N 125.30E 33 4.8b,4.3b
ISCJB VII 12 19 36 45.7–.43 24.22N–.03 125.22E–.03 45–3 4.5b,3.9s
JMA VII 12 19 36 46.3–.20 24.19N 125.17E 22 4.5,3.9s
NEIC VII 12 19 36 48.4–.89 24.20N 125.05E 48–8 4.5b,4.2s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s68.00000°,δ72.00000°,λ75.00000°. NP2:ϕ_s290.00000°,δ23.00000°,λ129.00000°. $M_0$2.41000×10^{15}
IDC Error ellipse: s-maj=24.8km s-min=12.6km az=70.0.
MOS Error ellipse: s-maj=11.7km s-min=6.4km az=113.7.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=150.7.
JMA Event type fe. Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=7.6km az=96.0. Recorded [2 JMA] on Miyako-jima. Moment Tensor Solution. $M_0$2.40000×10^{15}
ISC VII 12 19 48 13.0–1.7 24.13N–.09 125.21E–.05 17–12 3.1b 18 1-48
IDC VII 12 19 48 11.5–5.9 23.81N 124.31E 0 3.4,3.2b **¶12698167**
ISCJB VII 12 19 48 12.8–1.6 24.11N–.10 125.24E–.05 26–13 3.1b,3.2b
JMA VII 12 19 48 13.5–.20 24.16N 125.17E 8 2.8,3.2b
IDC Error ellipse: s-maj=366.8km s-min=27.7km az=61.0.
ISCJB Error ellipse: s-maj=16.6km s-min=7.6km az=174.3.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VII 12 21 56 39.9–1.8 24.12N–.09 125.21E–.05 14–13 3.5b 17 1-48
ISCJB VII 12 21 56 39.7–1.5 24.11N–.09 125.26E–.06 23–12 3.5b **¶12698173**
IDC VII 12 21 56 39.2–5.2 23.72N 124.19E 0 3.7,3.5b
JMA VII 12 21 56 40.4–.30 24.17N 125.16E 0–4 3.3,3.5b
ISCJB Error ellipse: s-maj=15.1km s-min=7.1km az=159.2.
IDC Error ellipse: s-maj=327.0km s-min=25.6km az=61.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VII 13 06 56 40.8–.54 24.16N–.04 123.76E–.04 4–7 27 0-2
JMA VII 13 06 56 39.5–.30 24.13N 123.74E 16–3 1.1 **¶13389051**
ISCJB VII 13 06 56 40.5–.54 24.16N–.04 123.76E–.04 9–4 1.1
TAP VII 13 06 57 05.3 24.46N 122.01E 11–0 2.6L
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Error ellipse: s-maj=7.7km s-min=5.4km az=161.1.
TAP D.
ISC VII 13 08 45 02.6–.48 24.07N–.05 124.49E–.03 46–3 4.3b 89 0-94
IDC VII 13 08 44 56.6–.78 24.06N 124.34E 0 4.3,4.2 **¶11121211**
MOS VII 13 08 44 59.7–.69 24.00N 124.18E 33 5.0b,4.2
NIED VII 13 08 45 00 24.00N 124.60E 32 4.1W,4.2
ISCJB VII 13 08 45 01.2–.52 23.99N–.05 124.50E–.03 52–3 4.3b,4.2
JMA VII 13 08 45 01.9–.20 24.03N 124.58E 36–5 4.4,4.2
BJI VII 13 08 45 02.7 23.88N 124.54E 82 4.3b,4.3b
NEIC VII 13 08 45 04.6–.89 24.02N 124.32E 62–8 4.4b,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=24.7km s-min=17.3km az=64.0.
MOS Error ellipse: s-maj=18.8km s-min=10.3km az=107.3.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s32.00000°,δ66.00000°,λ130.00000°. NP2:ϕ_s147.00000°,δ46.00000°,λ35.00000°. $M_0$1.69000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=3.8km az=155.3.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.5km s-min=9.1km az=148.0. Recorded [1 JMA] on Ishigaki-jima.
ISC VII 13 14 27 32.7–1.9 24.2N–.10 125.20E–.07 26–16 3.3b 14 1-48
IDC VII 13 14 27 29.4–7.4 23.99N 124.73E 0 3.5,3.3b **¶12698194**
JMA VII 13 14 27 31.8–.20 24.17N 125.16E 0 3.0,3.3b
ISCJB VII 13 14 27 32.3–1.7 24.2N–.10 125.25E–.07 33–15 3.3b,3.3b
ISC VII 25 11 06 22.7–1.7 24.18N–.09 125.26E–.06 20–12 24 1-4
NIED VII 25 11 06 00 24.30N 125.20E 32 3.7W **¶11747148**
ISCJB VII 25 11 06 22.0–1.7 24.2N–.10 125.27E–.06 27–12 3.7W
NEIC VII 25 11 06 21.9–2.4 23.90N 125.42E 35 3.9b
JMA VII 25 11 06 23.6–.10 24.26N 125.24E 40–4 3.8
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ75.00000°,λ27.00000°. NP2:ϕ_s281.00000°,δ64.00000°,λ164.00000°. $M_0$4.38000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=6.5km az=160.5.
NEIC Event type se. Error ellipse: s-maj=56.7km s-min=11.0km az=153.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC VIII 05 05 39 23.9–.53 25.1N–.10 125.57E–.08 50–6 4.0b,3.2s 50 0-82
NIED VIII 05 05 39 00 25.00N 125.60E 50 4.1W,3.2s **¶13516054**
ISCJB VIII 05 05 39 22.8–.58 25.0N–.10 125.59E–.08 58–6 4.0b,3.2s
JMA VIII 05 05 39 23.4 25.01N 125.63E 53–1 4.2,3.2s
NEIC VIII 05 05 39 28.2–3.0 24.46N 125.29E 118–27 4.2b,3.2s
IDC VIII 05 05 39 39.9–4.9 25.71N 125.26E 159–46 3.5,3.4
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s52.00000°,δ83.00000°,λ100.00000°. NP2:ϕ_s179.00000°,δ12.00000°,λ37.00000°. $M_0$1.58000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=23.2km s-min=4.0km az=147.9.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=40.3km s-min=35.4km az=47.0. Recorded [1 JMA] on Miyako-jima.
IDC Error ellipse: s-maj=32.3km s-min=19.1km az=65.0.
JMA VIII 05 10 20 00.6–.30 24.09N 123.44E 24–3 1.3
¶15053866
JMA Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC IX 07 00 08 19.8–1.6 24.10N–.09 125.34E–.04 22–12 29 1-6
NIED IX 07 00 08 00 24.20N 125.20E 35 3.8W **¶11747645**
NEIC IX 07 00 08 19.6–2.4 23.80N 125.51E 35 3.5
JMA IX 07 00 08 21.9–.20 24.20N 125.23E 30 3.5
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s272.00000°,δ86.00000°,λ-63.00000°. NP2:ϕ_s10.00000°,δ27.00000°,λ-171.00000°. $M_0$6.61000×10^{14}
NEIC Event type se. Error ellipse: s-maj=55.8km s-min=10.9km az=153.0.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
ISC IX 10 04 37 20.1–.35 24.84N–.05 125.34E–.04 47–3 4.2b,3.4s 69 0-93
NIED IX 10 04 37 00 24.80N 125.40E 41 4.4W,3.4s **¶13393954**
BJI IX 10 04 37 17.3 24.77N 125.43E 48 4.4b,4.4b
ISCJB IX 10 04 37 18.9–.38 24.81N–.06 125.36E–.04 53–3 4.2b,3.4s
IDC IX 10 04 37 20.0–.76 24.81N 125.21E 48–8 4.0,3.9
JMA IX 10 04 37 19.5–.10 24.81N 125.40E 49–1 4.5,3.9
NEIC IX 10 04 37 21.0–1.1 24.77N 125.21E 55–10 4.4b,3.9
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ86.00000°,λ102.00000°. NP2:ϕ_s163.00000°,δ12.00000°,λ17.00000°. $M_0$4.07000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=10.9km s-min=4.6km az=152.0.
IDC Error ellipse: s-maj=24.4km s-min=13.7km az=77.0.
JMA Event type fe. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=9.9km az=118.0. Recorded [2 JMA] on Miyako-jima and [1 JMA] on Tarama-shima.
ISC IX 29 21 50 10.4–1.3 23.96N–.05 125.99E–.03 20–8 4.0b 62 1-86
NIED IX 29 21 50 00 24.00N 125.90E 11 4.1W **¶11747914**
IDC IX 29 21 50 08.1–.88 23.84N 125.57E 0 4.0,3.9
ISCJB IX 29 21 50 09.3–1.4 23.95N–.05 126.04E–.03 28–9 4.0b,3.9
JMA IX 29 21 50 11.9–.30 24.02N 125.93E 70 3.7,3.9
NEIC IX 29 21 50 12.2–.43 23.97N 126.02E 35 4.8b,4.1W
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s57.00000°,δ62.00000°,λ79.00000°. NP2:ϕ_s260.00000°,δ30.00000°,λ110.00000°. $M_0$1.71000×10^{15}
IDC Error ellipse: s-maj=45.5km s-min=15.0km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.9km az=163.7.

JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.9km az=148.0. Moment Tensor Solution. $M_0$1.70000×10^{15}

ISC	**X**	**10 03 53 08.1–1.2**	**23.98N–.03**	**125.85E–.03**	**28–8**	**4.2b**	**85**	**1-81**
NIED	X	10 03 53 00	24.00N	125.80E	23	4.3W		¶13396526
IDC	X	10 03 53 04.3–.68	24.00N	125.78E	0	4.4L,4.3		
ISCJB	X	10 03 53 05.9–1.3	23.93N–.03	125.88E–.03	25–10	4.2b,4.3		
JMA	X	10 03 53 08.2–.20	23.96N	125.81E	69	4.2,4.3		
NEIC	X	10 03 53 11.5–.48	23.91N	125.60E	50	4.4b,4.3		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s282.00000°,δ83.00000°,λ-13.00000°. NP2:ϕ_s13.00000°,δ77.00000°,λ-173.00000°. $M_0$2.79000×10^{15}
IDC Error ellipse: s-maj=22.1km s-min=14.4km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.9km az=157.1.
JMA Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=9.0km az=73.0.

ISC	**X**	**15 23 58 39.0–.59**	**24.13N–.07**	**124.34E–.04**	**44–4**	**3.7b**	**50**	**0-82**
NIED	X	15 23 58 00	24.20N	124.40E	17	3.8W		¶11748888
IDC	X	15 23 58 32.7–1.2	24.15N	124.19E	0	3.9,3.8		
NEIC	X	15 23 58 38.0–1.0	24.17N	124.38E	36–11	3.9b,3.8		
ISCJB	X	15 23 58 38.2–.57	24.13N–.07	124.31E–.04	53–3	3.7b,3.8		
JMA	X	15 23 58 38.9–.20	24.15N	124.40E	36–4	4.2,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s217.00000°,δ88.00000°,λ-152.00000°. NP2:ϕ_s126.00000°,δ62.00000°,λ-2.00000°. $M_0$5.11000×10^{14}
IDC Error ellipse: s-maj=30.6km s-min=27.2km az=24.0.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=9.2km az=174.0. Recorded [1 JMA] on Tarama-shima.
ISCJB Event type fe. Error ellipse: s-maj=13.2km s-min=4.4km az=157.9.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.

ISC	**X**	**26 14 18 39.5–1.2**	**24.79N–.10**	**123.41E–.06**	**35**	**3.1b**	**10**	**0-49**
JMA	X	26 14 18 34.5–.50	25.10N	123.37E	17	2.7		¶12071162
ISCJB	X	26 14 18 39.0–1.1	24.84N–.09	123.41E–.06	33	3.1b		
IDC	X	26 14 18 39.5–6.6	24.59N	122.55E	0	3.4,3.2		

JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
ISCJB Error ellipse: s-maj=12.7km s-min=7.8km az=176.1.
IDC Error ellipse: s-maj=442.7km s-min=28.4km az=60.0.

JMA	**XI**	**05 02 00 21.0–.20**	**24.62N**	**125.93E**	**54–2**	**3.5**		
NIED	XI	05 02 00 00	24.60N	125.90E	29	3.8W		¶11750052
NEIC	XI	05 02 00 16.6–3.5	23.96N	126.31E	35	4.0		

JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s289.00000°,δ77.00000°,λ27.00000°. NP2:ϕ_s193.00000°,δ63.00000°,λ166.00000°. $M_0$4.76000×10^{14}
NEIC Event type se. Error ellipse: s-maj=76.4km s-min=11.7km az=148.0.

ISC	**XI**	**26 15 08 29.7–.38**	**23.32N–.03**	**123.03E–.02**	**35**		**93**	**1-5**
ISCJB	XI	26 15 08 29.0–.38	23.32N–.03	123.02E–.02	33			¶13648758
JMA	XI	26 15 08 29.4–.20	23.37N	123.06E	63–4	3.1		
TAP	XI	26 15 08 30.8	23.38N	122.92E	74–1	3.8L		

ISCJB Error ellipse: s-maj=3.9km s-min=2.1km az=156.5.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
TAP D.

ISC	**XI**	**30 01 07 53.9–2.4**	**23.77N–.10**	**125.31E–.06**	**20–18**	**3.1b**	**18**	**1-48**
IDC	XI	30 01 07 50.8–1.4	23.81N	125.43E	0	3.5,3.4		¶12075299
ISCJB	XI	30 01 07 53.9–2.6	23.74N–.08	125.35E–.06	33–23	3.1b,3.4		
JMA	XI	30 01 07 53.8–.40	23.73N	125.19E	7	3.1,3.4		

IDC Error ellipse: s-maj=46.4km s-min=26.5km az=78.0.
ISCJB Error ellipse: s-maj=13.4km s-min=8.4km az=21.6.
JMA Error ellipse: s-maj=3.3km s-min=2.0km az=-1.0.

ISC	**XII**	**01 16 53 41.0–1.4**	**24.84N–.07**	**123.26E–.05**	**15–8**	**3.5b**	**27**	**0-49**
JMA	XII	01 16 53 40.5–.30	24.89N	123.22E	26	3.0		¶12075434
IDC	XII	01 16 53 40.5–1.3	24.51N	122.54E	0	3.6,3.5		
ISCJB	XII	01 16 53 41.4–1.3	24.82N–.09	123.22E–.05	29–9	3.5b,3.5		
NEIC	XII	01 16 53 41.0–.88	24.78N	123.08E	10	4.2b,3.5		

ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=72.5km s-min=20.5km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=7.2km az=11.5.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.6km az=199.0.

ISC	**XII**	**06 02 30 41.6–2.3**	**25.82N–.06**	**125.99E–.06**	**6–16**	**3.7b**	**41**	**1-79**
JMA	XII	06 02 30 41.4–.10	25.47N	126.37E	0	3.8		¶12075964
IDC	XII	06 02 30 42.1–.90	26.18N	125.86E	0	3.8,3.7b		
NEIC	XII	06 02 30 42.8–4.6	26.15N	125.87E	4–30	3.9b,3.7b		

ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=27.1km s-min=19.3km az=49.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.0km az=165.0.

ISC	**XII**	**14 13 14 11.6–.20**	**24.33N–.02**	**123.04E–.01**	**50–3**	**3.9b,3.7s**	**203**	**0-98**
NIED	XII	14 13 14 00	24.40N	123.00E	77	4.2W,3.7s		¶12077452
BJI	XII	14 13 14 09.8	24.10N	122.76E	33	4.4b,4.0s		
ISCJB	XII	14 13 14 10.6–.20	24.32N–.02	123.04E–.01	56–2	3.9b,3.7s		
TAP	XII	14 13 14 11.1	24.32N	122.97E	40–1	5.0L,3.7s		
NEIC	XII	14 13 14 11.4–.71	24.32N	123.01E	53–7	4.0b,3.7s		
JMA	XII	14 13 14 11.2–.10	24.36N	123.03E	47–2	4.3,3.7s		
IDC	XII	14 13 14 13.7–2.8	24.41N	123.03E	72–25	3.8,3.8		

ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s332.00000°,δ83.00000°,λ110.00000°. NP2:ϕ_s81.00000°,δ21.00000°,λ20.00000°. $M_0$2.50000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.0km az=165.4.
TAP D.
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=7.4km az=137.0. Recorded [1 JMA] on Yonaguni-jima.
JMA Event type fe. Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=16.9km s-min=13.2km az=66.0.

ISC	**XII**	**21 15 17 36.4–.58**	**25.00N–.08**	**123.10E–.04**	**123–6**	**3.2b**	**32**	**1-49**
ISCJB	XII	21 15 17 35.5–.58	24.98N–.08	123.11E–.04	130–6	3.0b		¶12078473
IDC	XII	21 15 17 36.2–8.9	25.11N	123.13E	128–102	3.1,3.0		
NEIC	XII	21 15 17 36.1–.80	25.03N	123.12E	126–10	3.1,3.0		
JMA	XII	21 15 17 37.0–.20	24.98N	123.11E	118–3	2.9,3.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=5.9km az=168.5.
IDC Error ellipse: s-maj=82.4km s-min=21.9km az=56.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=12.4km az=149.0.
JMA Error ellipse: s-maj=3.3km s-min=1.0km az=-1.0.

ISC	**XII**	**27 07 29 37.8–.46**	**24.63N–.08**	**125.43E–.06**	**58–5**	**3.7s,3.6b**	**48**	**0-81**
NIED	XII	27 07 29 00	24.50N	125.50E	38	3.9W,3.6b		¶11751842
ISCJB	XII	27 07 29 36.6–.46	24.65N–.08	125.44E–.06	66–5	3.6b,3.6b		
NEIC	XII	27 07 29 38.0–.67	24.54N	125.35E	51–7	3.9b,3.6b		
JMA	XII	27 07 29 37.0–.10	24.52N	125.50E	58–1	3.6,3.6b		
IDC	XII	27 07 29 38.6–.78	24.52N	125.14E	56–7	3.8s,3.8		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s157.00000°,δ48.00000°,λ98.00000°. NP2:ϕ_s325.00000°,δ43.00000°,λ81.00000°. $M_0$6.77000×10^{14}
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=4.8km az=150.2.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=9.4km az=152.0.
JMA Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=35.5km s-min=14.8km az=71.0.

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ISC	**VII**	**28 00 13 06.9–.59**	**22.56N–.09**	**123.98E–.09**	**10**	**4.0b**	**18**	**3-69**
ISCJB	VII	28 00 13 05.0–.59	22.55N–.09	124.02E–.09	10	4.0b		¶11812748
NEIC	VII	28 00 13 06.8–.51	22.55N	123.98E	10	4.2b		
IDC	VII	28 00 13 08.2–4.4	22.40N	124.66E	0	3.5b,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=10.3km az=42.6.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.2km az=225.0.
IDC Error ellipse: s-maj=326.3km s-min=29.0km az=65.0.

ISC	**X**	**26 22 24 57.2–1.0**	**21.5N–.20**	**123.3E–.30**	**35**	**3.5b**	**15**	**3-46**
IDC	X	26 22 24 50.9–2.1	21.94N	124.44E	0	3.7,3.6		¶12071199
NEIC	X	26 22 24 53.6–.96	21.56N	123.41E	10	3.7b,3.6		
ISCJB	X	26 22 24 55.0–1.0	21.6N–.20	123.4E–.30	33	3.5b,3.6		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

SEISMIC REGION 22.
Philippines.

(248) Philippine Islands region.

ISC	**VII**	**01 17 49 07.4–.91**	**13.26N–.04**	**125.27E–.08**	**41–8**	**4.1b,3.1s**	**47**	**1-64**
IDC	VII	01 17 49 01.6–.77	13.20N	125.27E	0	4.1,3.9		¶11799187
NEIC	VII	01 17 49 01.7–6.2	13.21N	125.26E	2–39	4.3b,3.9		
MAN	VII	01 17 49 05	13.32N	125.28E	29	5.3b,4.6s		
ISCJB	VII	01 17 49 06.2–.96	13.28N–.04	125.26E–.08	49–8	4.1b,3.1s		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**VII**	**01 19 12 20.5–1.0**	**13.33N–.04**	**125.64E–.08**	**44–8**	**4.3b,3.1s**	**64**	**1-90**
IDC	VII	01 19 12 13.9–.71	13.33N	125.72E	0	4.3,4.2		¶11479802
NEIC	VII	01 19 12 14.9–.46	13.35N	125.91E	10	4.3b,4.2		
ISCJB	VII	01 19 12 19.2–1.1	13.33N–.03	125.63E–.08	49–9	4.3b,3.1s		
MAN	VII	01 19 12 21	13.34N	125.43E	47	5.2b,4.4s		

ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=13.9km az=71.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.8km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=5.2km az=168.5.

ISC	**VII**	**03 01 38 43.3–1.6**	**15.40N–.03**	**123.05E–.06**	**26–12**	**4.2b,3.3s**	**60**	**1-90**
ISCJB	VII	03 01 38 43.4–.61	15.39N–.03	123.00E–.06	43–6	4.2b,3.3s		¶11479824
BJI	VII	03 01 38 43.4	15.38N	123.44E	42	4.5b,4.2b		
MAN	VII	03 01 38 43	15.43N	122.85E	21	4.9b,3.9s		
IDC	VII	03 01 38 45.2–.68	15.36N	123.14E	44–5	4.7L,4.0		
NEIC	VII	03 01 38 45.3–1.8	15.32N	123.05E	44–17	4.4b,4.0		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=5.0km az=170.3.
MAN Event type fe. INTENSITY II - BALER AURORA.
IDC Error ellipse: s-maj=14.4km s-min=9.5km az=124.0.
NEIC Event type fe. Error ellipse: s-maj=12.9km s-min=7.5km az=67.0. Felt [II PIVS] at Baler, Luzon.

IDC	**VII**	**04 17 12 21.7–5.7**	**20.49N**	**120.99E**	**0**	**3.5,3.3b**		
								¶12698008

IDC Error ellipse: s-maj=479.6km s-min=28.0km az=60.0.

ISC	**VII**	**05 13 06 54.0–3.6**	**20.13N–.09**	**122.6E–.20**	**32–29**	**3.5b**	**17**	**3-46**
IDC	VII	05 13 06 49.4–1.4	20.20N	122.57E	0	3.8,3.6b		¶11810703
ISCJB	VII	05 13 06 53.4–1.8	20.2N–.10	122.7E–.20	46–20	3.5b,3.6b		
NEIC	VII	05 13 06 53.9–5.9	20.16N	122.53E	32–47	3.9b,3.6b		

ISC Event type se.
IDC Error ellipse: s-maj=56.8km s-min=19.9km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=37.8km s-min=12.8km az=147.8.
NEIC Event type se. Error ellipse: s-maj=32.3km s-min=16.2km az=63.0.

ISC	**VII**	**05 17 08 31.9–.33**	**20.21N–.02**	**121.51E–.03**	**51–3**	**4.4b,3.5s**	**183**	**0-95**
NIED	VII	05 17 08 00	20.20N	121.60E	14	4.2W,3.5s		¶13388271
IDC	VII	05 17 08 24.9–.60	20.15N	121.42E	0	4.4,4.4L		
MOS	VII	05 17 08 27.9–.94	20.18N	121.55E	33	4.8b,4.4L		
MAN	VII	05 17 08 28	20.02N	121.26E	1	5.4b,4.6s		
BJI	VII	05 17 08 29.6	20.27N	121.37E	37	4.4b,4.4b		
NEIC	VII	05 17 08 30.3–.88	20.21N	121.52E	38–7	4.5b,4.4b		
ISCJB	VII	05 17 08 30.0–.37	20.23N–.02	121.52E–.03	49–4	4.4b,3.5s		
JMA	VII	05 17 08 31.7–.60	20.23N	121.60E	68	4.8,3.5s		

ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s96.00000°,δ73.00000°,λ-138.00000°. NP2:ϕ_s351.00000°,δ50.00000°,λ-23.00000°. $M_0$1.93000×10^{15}
IDC Error ellipse: s-maj=20.3km s-min=13.9km az=71.0.
MOS Error ellipse: s-maj=12.5km s-min=6.3km az=111.7.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.1km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.1km az=27.8.
JMA Error ellipse: s-maj=5.6km s-min=8.3km az=-1.0.

ISC	**VII**	**05 22 00 28.7–5.0**	**5.2N–.20**	**127.5E–.40**	**79–43**	**3.9b**	**8**	**3-61**
IDC	VII	05 22 00 19.1–1.5	5.21N	127.45E	0	4.0,3.9b		¶12698032
ISCJB	VII	05 22 00 26.8–5.1	5.3N–.20	127.6E–.40	82–44	3.9b,3.9b		
IDC	**VII**	**06 01 35 27.2–2.2**	**5.15N**	**127.61E**	**0**	**3.6,3.4b**		
								¶12698033

IDC Error ellipse: s-maj=120.4km s-min=25.8km az=70.0.

ISC	**VII**	**06 08 10 55.0–.84**	**15.45N–.06**	**122.4E–.10**	**48–13**	**3.4b**	**12**	**1-46**
IDC	VII	06 08 10 48.2–3.8	15.51N	122.74E	0	3.6,3.4b		¶12698037
MAN	VII	06 08 10 52	15.38N	122.38E	1	5.0b,4.0s		
ISCJB	VII	06 08 10 54.3–.81	15.46N–.06	122.4E–.10	58–12	3.4b,4.0s		
ISC	**VII**	**06 12 01 32.5–.11**	**15.40N–.01**	**122.43E–.02**	**28**	**5.3b,5.0s**	**706**	**1-170**
IDC	VII	06 12 01 27.3–.36	15.31N	122.52E	0	5.2L,5.0b		¶13388333
MAN	VII	06 12 01 29	15.40N	122.38E	1	5.8b,5.4s		
ISCJB	VII	06 12 01 30.7–.11	15.41N–.01	122.45E–.02	26	5.3b,5.0s		
BJI	VII	06 12 01 30.0	15.37N	122.49E	23	5.3s,5.2b		
SZGRF	VII	06 12 01 31.3	15.54N	123.05E	28	5.3b,5.3s		
MOS	VII	06 12 01 31.4–1.1	15.38N	122.46E	33	5.5b,5.0s		
NEIC	VII	06 12 01 31.7–.13	15.29N	122.42E	26	5.4b,5.0s		
GCMT	VII	06 12 01 32.4–.10	15.38N	122.47E	17–0	5.4W,5.0s		
DJA	VII	06 12 01 43	15.32N	122.49E	140	5.4W,5.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=12.4km s-min=9.1km az=80.0.
MAN Event type fe. INTENSITY IV - BALER AURORA; DAET CAMARINES; LABO CAMARINES NORTE; GABALDON NUEVA ECIJA; PLARIDEL BULACAN; POLILIO ISLAND; MANILA; INTENSITY III - QUEZON CITY; MAKATI CITY; TAGUIG CITY; PARANAQUE; PASIG CITY; INFANTA QUEZON; TARLAC CITY; DINGALAN AURORA.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=175.0.
SZGRF Philippine Islands region.
MOS Error ellipse: s-maj=7.5km s-min=4.6km az=116.1.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.5km az=85.0. Felt [IV PIVS] at Baler, Daet, Gabaldon, Labo, Manila and Plaridel; [III PIVS] at Infanta, Makati, Paranaque, Pasay, Pasig, Quezon City, Taguig and Tarlac; [II PIVS] at Angeles, Baguio, Cabanatuan, Cainta, Clark Field, Guinayangan, Munoz, Rodriguez, San Jose del Monte and Talavera; [I PIVS] at Gapan, Luzon.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves from 100 sta. Moment Tensor Solution. s62,c90; s99,c191; Moment tensor: Scale 10^{17}Nm; M_{rr}0.73±.03 $M_{\theta\theta}$0.61±.02; $M_{\phi\phi}$-1.33±.03; $M_{r\theta}$-0.48±.06; $M_{\theta\phi}$0.56±.02; $M_{\phi r}$0.93±.07; Best double couple: NP1: ϕ_s197.00000°,δ31.00000°,λ138.00000°. NP2:ϕ_s325.00000°,δ70.00000°,λ66.00000°. Principal axes: T 1.2200,Plg58.0000°,Azm203.0000°; N 0.6600,Plg22.0000°,Azm334.0000° ; P -1.8800,Plg21.0000°,Azm73.0000° $M_0$1.60000×10^{17}

ISC	**VII**	**06 12 11 14.6–1.2**	**15.38N–.04**	**122.49E–.05**	**12–7**	**4.4b**	**45**	**1-87**
IDC	VII	06 12 11 12.0–.69	15.35N	122.70E	0	4.2,4.1b		¶11810790
ISCJB	VII	06 12 11 14.9–1.2	15.36N–.04	122.54E–.05	29–9	4.4b,4.1b		
MAN	VII	06 12 11 15	15.38N	122.40E	9	5.1b,4.2s		
NEIC	VII	06 12 11 17.1–.28	15.31N	122.67E	35	4.8b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=13.1km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.0km az=150.8.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.9km az=77.0.

ISC	**VII**	**06 12 37 37.5–1.7**	**15.42N–.03**	**122.55E–.05**	**10–11**	**4.3b**	**53**	**1-87**
IDC	VII	06 12 37 34.6–.80	15.31N	122.72E	0	5.4L,4.0		¶11810791
ISCJB	VII	06 12 37 35.3–1.6	15.35N–.03	122.69E–.05	13–11	4.3b,4.0		
MAN	VII	06 12 37 36	15.40N	122.47E	1	5.3b,4.5s		
NEIC	VII	06 12 37 39.7–.44	15.31N	122.71E	35	4.9b,4.5s		

ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=14.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=0.5.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=7.3km az=72.0.

ISC	**VII**	**06 12 46 56.9–.16**	**15.38N–.02**	**122.49E–.03**	**28**	**5.0b,4.0s**	**400**	**1-170**
IDC	VII	06 12 46 51.7–.41	15.26N	122.54E	0	4.8,4.8		¶13388335
ISCJB	VII	06 12 46 54.8–.17	15.36N–.02	122.52E–.03	27	5.0b,4.0s		
BJI	VII	06 12 46 54.8	15.25N	122.48E	29	4.9b,4.6b		
NEIC	VII	06 12 46 56.0–.15	15.25N	122.49E	27	5.1b,4.6b		
MAN	VII	06 12 46 56	15.41N	122.39E	15	5.7b,5.2s		
SZGRF	VII	06 12 46 56.1	15.41N	123.09E	33	5.0b,5.2s		
GCMT	VII	06 12 46 56.5–.40	15.41N	122.67E	31–1	5.0W,5.2s		
MOS	VII	06 12 46 56.9–.84	15.56N	122.46E	33	5.3b,5.2s		

ISC Event type fe.
IDC Error ellipse: s-maj=17.0km s-min=9.8km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.8km az=168.5.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.6km az=79.0. Felt [III PIVS] at Labo and [I PIVS] at Dingalan and Quezon City, Luzon. Felt [III] at Manila. Also felt at Angeles, Antipolo, Cabanatuan, Cainta and San Pedro.
MAN Event type fe. INTENSITY III - CAMARINES NORTE; GABALDON NUEVA ECIJA; INTENSITY II - DINGALAN AURORA; INTENSITY I - QUEZON CITY.
SZGRF Philippine Islands region.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s25,c29; s57,c74; Moment tensor: Scale 10^{16}Nm; M_{rr}3.95±.31 $M_{\theta\theta}$-0.49±.17; $M_{\phi\phi}$-3.46±.18; $M_{r\theta}$0.09±.22; $M_{\theta\phi}$0.39±.09; $M_{\phi r}$1.66±.18; Best double couple: NP1:ϕ_s169.00000°,δ33.00000°,λ84.00000°. NP2:ϕ_s356.00000°,δ57.00000°,λ94.00000°. Principal axes: T 4.3100,Plg78.0000° ,Azm280.0000°; N -0.4500,Plg3.0000°,Azm174.0000°; P -3.8600,Plg12.0000°,Azm84.0000° M_o4.10000×10^{16}
MOS Error ellipse: s-maj=9.7km s-min=5.5km az=121.6.

ISC	**VII**	**06 12 56 27.3–2.0**	**15.49N–.07**	**122.6E–.10**	**36–20**	**3.6b**	**17**	**1-46**	
IDC	VII	06 12 56 21.8–1.6	15.31N	122.79E	0	4.7L,3.9			¶12698042
ISCJB	VII	06 12 56 27.1–1.7	15.49N–.06	122.5E–.10	35–17	3.6b,3.9			
MAN	VII	06 12 56 27	15.33N	122.20E	1	5.1b,4.1s			

IDC Error ellipse: s-maj=32.6km s-min=23.1km az=47.0.
ISCJB Error ellipse: s-maj=17.7km s-min=8.1km az=158.4.

ISC	**VII**	**06 13 01 26.4–1.0**	**15.42N–.10**	**122.56E–.10**	**35**	**3.4b**	**13**	**1-46**	
IDC	VII	06 13 01 21.1–1.2	15.53N	122.75E	0	3.6,3.4b			¶12698044
ISCJB	VII	06 13 01 24.3–1.0	15.47N–.09	122.66E–.09	33	3.4b,3.4b			
MAN	VII	06 13 01 29	15.20N	122.13E	19	4.7b,3.6s			

IDC Error ellipse: s-maj=33.6km s-min=20.1km az=77.0.
ISCJB Error ellipse: s-maj=15.1km s-min=9.1km az=42.1.

ISC	**VII**	**06 13 43 50.0–1.4**	**15.37N–.03**	**122.64E–.06**	**0–8**	**4.0b,3.2s**	**40**	**1-80**	
IDC	VII	06 13 43 49.6–.81	15.28N	122.71E	0	5.2L,4.0			¶11810798
MAN	VII	06 13 43 52	15.39N	122.33E	2	5.1b,4.2s			
NEIC	VII	06 13 43 54.6–.35	15.27N	122.68E	35	4.7b,4.2s			

ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=15.4km az=84.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.6km az=74.0.

ISC	**VII**	**06 16 02 28.7–1.2**	**15.45N–.03**	**122.53E–.05**	**3–8**	**4.2b,3.5s**	**47**	**1-87**	
IDC	VII	06 16 02 27.1–.84	15.31N	122.74E	0	5.2L,4.1			¶11810811
NEIC	VII	06 16 02 30.1–3.4	15.33N	122.73E	22–25	4.4b,4.1			
MAN	VII	06 16 02 31	15.41N	122.34E	13	5.2b,4.4s			

ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=15.4km az=82.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.1km az=80.0.

MAN	**VII**	**06 16 47 59**	**15.36N**	**122.18E**	**19**	**4.9b,3.8s**			
									¶13728075
MAN	**VII**	**06 16 50 27**	**15.20N**	**122.07E**	**39**	**4.9b,3.9s**			
									¶13728076
MAN	**VII**	**06 17 24 22**	**15.32N**	**122.12E**	**32**	**3.8b,2.5L**			
									¶13728077
MAN	**VII**	**06 17 44 42**	**15.41N**	**122.38E**	**1**	**5.0b,4.0s**			
									¶13728078
ISC	**VII**	**06 19 58 57.4–.57**	**15.40N–.04**	**122.49E–.06**	**42–8**	**3.7b**	**32**	**1-50**	
IDC	VII	06 19 58 51.3–.94	15.34N	122.75E	0	4.8L,3.9			¶11810822
MAN	VII	06 19 58 53	15.40N	122.44E	1	5.3b,4.5s			
ISCJB	VII	06 19 58 54.5–1.3	15.43N–.04	122.51E–.07	19–11	3.7b,4.5s			
NEIC	VII	06 19 58 56.0–.59	15.30N	122.73E	35	3.8b,4.5s			

ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=15.3km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.6km az=166.4.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.9km az=57.0.

ISC	**VII**	**06 21 35 40.5–1.5**	**15.43N–.04**	**122.36E–.08**	**9–9**	**3.9b**	**29**	**1-51**	
IDC	VII	06 21 35 36.8–1.1	15.34N	122.74E	0	4.7L,3.9			¶11810826
NEIC	VII	06 21 35 41.5–.58	15.33N	122.69E	35	4.3b,3.9			
MAN	VII	06 21 35 41	15.40N	122.21E	12	5.0b,4.1s			

ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=18.0km az=72.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=8.7km az=76.0.

MAN	**VII**	**06 22 50 17**	**15.35N**	**122.31E**	**3**	**4.6b,3.5s**			
									¶13728079
MAN	**VII**	**06 22 52 17**	**15.25N**	**122.33E**	**64**	**4.7b,3.6L**			
									¶13728080
ISC	**VII**	**06 23 26 36.2–2.6**	**15.37N–.05**	**122.46E–.06**	**32–19**	**4.0b,3.7s**	**30**	**1-80**	
IDC	VII	06 23 26 30.8–1.0	15.37N	122.77E	0	4.9L,4.1			¶11810835
ISCJB	VII	06 23 26 34.3–1.3	15.38N–.05	122.56E–.09	34–11	4.0b,3.7s			
MAN	VII	06 23 26 34	15.39N	122.32E	4	4.9b,3.9s			
NEIC	VII	06 23 26 35.6–.42	15.32N	122.75E	35	4.2b,3.9s			

ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=16.9km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=8.1km az=168.4.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.9km az=71.0.

ISC	**VII**	**07 04 27 37.9–.63**	**15.40N–.04**	**122.45E–.05**	**10**	**3.7b**	**27**	**1-50**	
IDC	VII	07 04 27 35.6–1.0	15.38N	122.74E	0	4.8L,3.8			¶11810849
ISCJB	VII	07 04 27 36.6–.67	15.40N–.04	122.51E–.05	10	3.7b,3.8			
MAN	VII	07 04 27 38	15.45N	122.33E	8	4.9b,3.8s			
NEIC	VII	07 04 27 40.4–.72	15.39N	122.75E	35	4.6b,3.8s			

ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=17.3km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.6km az=17.2.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=11.6km az=80.0.

ISC	**VII**	**07 05 13 09.8–1.5**	**15.39N–.09**	**122.5E–.10**	**36–16**	**3.9s,3.8b**	**20**	**1-99**	
MAN	VII	06 05 13 08	15.33N	122.23E	1	4.8b,3.8s			¶11810853
IDC	VII	07 05 13 04.5–1.1	15.25N	122.80E	0	3.9,3.8s			
ISCJB	VII	07 05 13 08.7–1.4	15.37N–.09	122.5E–.10	38–15	3.9s,3.8b			
NEIC	VII	07 05 13 09.6–.68	15.23N	122.74E	35	4.3b,3.8b			

ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=18.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=7.6km az=141.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=11.3km az=71.0.

ISC	**VII**	**07 12 54 18.6–.77**	**15.31N–.05**	**122.41E–.07**	**35**	**3.5b**	**16**	**1-46**	
IDC	VII	07 12 54 13.5–1.8	15.32N	122.77E	0	4.3L,3.8			¶12698063
MAN	VII	07 12 54 15	15.32N	122.40E	3	4.8b,3.7s			
ISCJB	VII	07 12 54 17.4–.76	15.30N–.05	122.44E–.06	33	3.5b,3.7s			
ISC	**VII**	**07 14 13 50.4–.49**	**15.32N–.04**	**122.45E–.05**	**35**	**4.0b**	**33**	**1-87**	
IDC	VII	07 14 13 44.5–.96	15.36N	122.82E	0	5.0L,4.0			¶11810889
ISCJB	VII	07 14 13 48.8–.49	15.32N–.04	122.49E–.05	33	4.0b,4.0			
MAN	VII	07 14 13 48	15.30N	122.43E	24	5.1b,4.2s			
NEIC	VII	07 14 13 50.1–5.1	15.29N	122.73E	38–45	4.4b,4.2s			

ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=16.8km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.0km az=165.6.
NEIC Event type se. Error ellipse: s-maj=49.4km s-min=8.9km az=59.0.

MAN	**VII**	**07 14 52 11**	**15.38N**	**122.39E**	**15**	**4.4b,3.2L**			
									¶13728085
ISC	**VII**	**07 20 45 51.2–.51**	**15.38N–.04**	**122.44E–.05**	**35**	**4.0b**	**31**	**1-50**	
IDC	VII	07 20 45 45.3–1.3	15.26N	122.72E	0	4.0,3.8			¶11810926
MAN	VII	07 20 45 47	15.42N	122.40E	3	5.2b,4.4s			
ISCJB	VII	07 20 45 50.5–.48	15.39N–.04	122.40E–.05	33	4.0b,4.4s			
NEIC	VII	07 20 45 50.5–.72	15.18N	122.60E	35	4.5b,4.4s			

ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=20.2km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.6km az=156.8.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=11.3km az=61.0.

ISC	**VII**	**08 01 41 55.7–.17**	**15.40N–.02**	**122.45E–.03**	**31**	**4.9b,4.5s**	**322**	**1-169**	
BJI	VII	08 01 41 51.6	15.22N	122.48E	21	4.9s,4.8b			¶13388457
MAN	VII	08 01 41 52	15.43N	122.41E	3	5.8b,5.4s			
NEIC	VII	08 01 41 53.3–2.0	15.33N	122.49E	18–12	4.9b,5.4s			
MOS	VII	08 01 41 53.8–1.1	15.28N	122.49E	33	5.2b,4.7s			
ISCJB	VII	08 01 41 53.7–.18	15.40N–.02	122.48E–.03	29	4.9b,4.5s			
IDC	VII	08 01 41 55.4–.60	15.31N	122.49E	33–4	4.6,4.5			
TEH	VII	08 01 41 56.0	15.38N	122.50E	35	4.6,4.5			
GCMT	VII	08 01 41 56.1–.20	15.39N	122.45E	18–1	5.1W,4.5			

ISC Event type fe.
MAN Event type fe. INTENSITY IV - BALER AURORA; QUEZON CITY; MANILA CITY; GABALDON.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.5km az=83.0. Felt [IV PIVS] at Baler, Gabaldon, Manila and Quezon City; [III PIVS] at Baguio, Dingalan, La Trinidad, Makati, Pasig and Taguig; [II PIVS] at Carmona and Lucban, Luzon.
MOS Error ellipse: s-maj=10.8km s-min=5.5km az=120.1.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=2.9km az=175.1.
IDC Error ellipse: s-maj=13.6km s-min=9.8km az=86.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s44,c52; s90,c156; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.38±.14 $M_{\theta\theta}$3.09±.12; $M_{\phi\phi}$-2.71±.12; $M_{r\theta}$-1.45±.28; $M_{\theta\phi}$3.48±.09; $M_{\phi r}$4.10±.43; Best double couple: NP1:ϕ_s104.00000°,δ61.00000°,λ-19.00000°. NP2:ϕ_s203.00000°,δ73.00000°,λ-150.00000°. Principal axes: T 4.7800,Plg8.0000° ,Azm331.0000°; N 2.3500,Plg56.0000°,Azm229.0000°; P -7.1200,Plg33.0000°,Azm66.0000° M_o6.00000×10^{16}

MAN	**VII**	**08 01 46 08**	**15.13N**	**122.14E**	**28**	**4.6b,3.5L**			
									¶13728093
MAN	**VII**	**08 02 10 29**	**15.30N**	**122.21E**	**13**	**4.6b,3.5L**			
									¶13728094
MAN	**VII**	**08 03 42 53**	**15.38N**	**122.33E**	**2**	**4.6b,3.4s**			
									¶13728095
ISC	**VII**	**08 05 14 57.3–.98**	**15.40N–.05**	**122.40E–.06**	**10**	**3.7b**	**15**	**1-46**	
ISCJB	VII	08 05 14 57.4–1.1	15.40N–.05	122.40E–.06	10	3.7b			¶12698080
MAN	VII	08 05 14 58	15.35N	122.35E	11	4.8b,3.7s			
IDC	VII	08 05 15 00.6–1.6	14.49N	122.75E	0	3.8,3.5b			

ISCJB Error ellipse: s-maj=9.8km s-min=6.7km az=145.7.
IDC Error ellipse: s-maj=31.8km s-min=19.7km az=20.0.

ISC	**VII**	**08 11 06 26.8–.51**	**15.34N–.03**	**122.43E–.05**	**46–6**	**4.6b,4.2s**	**70**	**1-87**	
IDC	VII	08 11 06 20.1–.58	15.23N	122.44E	0	4.5,4.4			¶11479901
MAN	VII	08 11 06 22	15.40N	122.40E	2	5.0b,4.0s			
ISCJB	VII	08 11 06 25.7–.51	15.32N–.03	122.42E–.05	53–5	4.6b,4.2s			
NEIC	VII	08 11 06 26.6–1.5	15.25N	122.55E	46–14	4.9b,4.2s			
BJI	VII	08 11 06 28.3	15.26N	122.03E	33	4.5b,4.4b			

ISC Event type fe.
IDC Error ellipse: s-maj=30.3km s-min=11.3km az=78.0.
MAN Event type fe. INTENSITY III - QUEZON CITY.
ISCJB Event type fe. Error ellipse: s-maj=8.5km s-min=4.3km az=164.4.
NEIC Event type fe. Error ellipse: s-maj=12.8km s-min=5.4km az=73.0. Felt [III PIVS] at Quezon City, Luzon.

ISC	**VII**	**09 04 23 14.1–.61**	**15.50N–.04**	**122.39E–.07**	**35**	**3.6b**	**19**	**1-46**	
IDC	VII	09 04 23 07.8–1.2	15.31N	122.78E	0	4.8L,4.0			¶12698092
MAN	VII	09 04 23 11	15.37N	122.28E	2	4.6b,3.5s			
ISCJB	VII	09 04 23 13.2–.63	15.50N–.04	122.41E–.07	33	3.6b,3.5s			
ISC	**VII**	**09 11 33 04.3–.69**	**19.49N–.07**	**121.06E–.07**	**35**	**3.8b,3.2s**	**24**	**3-82**	
IDC	VII	09 11 32 59.6–.88	19.50N	121.24E	0	4.0L,3.9			¶11479918
ISCJB	VII	09 11 33 02.2–.69	19.48N–.07	120.97E–.07	33	3.8b,3.2s			
BJI	VII	09 11 33 02.0	19.24N	121.64E	53	4.5b,4.3b			
NEIC	VII	09 11 33 03.8–.70	19.49N	121.09E	32	4.4b,4.3b			

ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=17.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.6km az=44.6.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.4km az=95.0.

ISC	**VII**	**09 13 19 52.2–3.1**	**11.64N–.10**	**126.0E–.20**	**17–17**	**3.7b**	**13**	**1-83**	
IDC	VII	09 13 19 48.6–1.5	11.82N	126.57E	0	3.9,3.7b			¶12698099
MAN	VII	09 13 19 59	11.60N	125.44E	27	4.8b,3.7s			

IDC Error ellipse: s-maj=114.4km s-min=17.8km az=70.0.

ISC	**VII**	**10 03 54 11.6–.78**	**15.53N–.05**	**122.34E–.09**	**66–10**	**4.0b**	**25**	**1-50**	
IDC	VII	10 03 54 05.0–1.5	15.36N	122.81E	0	4.2,4.1			¶11811148
MAN	VII	10 03 54 09	15.43N	122.31E	11	4.8b,3.8s			
ISCJB	VII	10 03 54 10.6–.78	15.52N–.05	122.34E–.09	73–9	4.0b,3.8s			
NEIC	VII	10 03 54 10.2–.82	15.32N	122.74E	35	4.3b,3.8s			

ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=23.8km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=7.8km az=161.8.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=13.0km az=67.0.

ISC	**VII**	**11 15 02 41.9–1.8**	**15.41N–.03**	**122.45E–.06**	**27–14**	**4.1b**	**39**	**1-87**	
IDC	VII	11 15 02 36.0–.87	15.31N	122.78E	0	4.6L,4.2			¶13388742
MAN	VII	11 15 02 38	15.41N	122.48E	1	5.3b,4.4s			
ISCJB	VII	11 15 02 41.5–.61	15.41N–.03	122.47E–.06	39–7	4.1b,4.4s			
NEIC	VII	11 15 02 42.6–2.4	15.23N	122.63E	49–21	4.2b,4.4s			

ISC Event type fe.
IDC Error ellipse: s-maj=26.8km s-min=16.4km az=73.0.
MAN Event type fe. INTENSITY I - MAKATI CITY.
ISCJB Event type fe. Error ellipse: s-maj=9.7km s-min=5.2km az=166.7.
NEIC Event type fe. Error ellipse: s-maj=22.4km s-min=8.4km az=61.0. Felt [I PIVS] at Makati, Luzon.

MAN	**VII**	**11 17 16 37**	**15.36N**	**122.29E**	**23**	**4.7b,3.6s**			
									¶13728113
MAN	**VII**	**13 03 16 25**	**15.96N**	**122.02E**	**46**	**4.0b,2.8L**			
									¶13728128
IDC	**VII**	**14 00 34 31.5–32**	**19.75N**	**121.70E**	**0**	**3.6b,3.5**			
									¶12698203

IDC Error ellipse: s-maj=577.1km s-min=69.6km az=149.0.

IDC	**VII**	**14 00 36 32.8–31**	**19.19N**	**122.13E**	**0**	**3.6L,3.6b**			
									¶12698204

IDC Error ellipse: s-maj=564.0km s-min=67.6km az=149.0.

ISC	**VII**	**14 03 47 24.7–1.6**	**17.58N–.05**	**119.96E–.07**	**15–8**	**3.5b**	**22**	**1-43**	
IDC	VII	14 03 47 21.4–1.4	17.09N	119.88E	0	3.7,3.5			¶12698206
ISCJB	VII	14 03 47 23.9–2.2	17.58N–.04	119.96E–.06	9–17	3.5b,3.5			
MAN	VII	14 03 47 24	17.65N	119.88E	30	4.9b,3.8s			

IDC Error ellipse: s-maj=66.1km s-min=24.1km az=73.0.
ISCJB Error ellipse: s-maj=10.0km s-min=5.8km az=23.2.

MAN	**VII**	**15 03 35 11**	**19.65N**	**121.15E**	**30**	**4.7b,3.6s**			
									¶13728142
IDC	**VII**	**15 07 33 00.3–1.0**	**13.32N**	**125.65E**	**0**	**4.0,3.8b**			
									¶12698226

IDC Error ellipse: s-maj=46.8km s-min=17.3km az=69.0.

ISC	**VII**	**17 10 12 05.9–.25**	**11.14N–.02**	**126.33E–.04**	**52**	**4.8b,4.0s**	**173**	**2-165**	
MAN	VII	17 10 11 59	11.38N	126.73E	43	5.3b,4.5s			¶11132454
MOS	VII	17 10 12 01.6–1.2	11.00N	126.22E	33	5.0b,4.5s			
ISCJB	VII	17 10 12 03.8–.25	11.16N–.02	126.38E–.03	50	4.8b,4.0s			
BJI	VII	17 10 12 04.3	11.00N	126.22E	55	4.9b,4.8b			
NEIC	VII	17 10 12 05.5–.29	11.08N	126.31E	51	4.7b,4.8b			
IDC	VII	17 10 12 05.3–.61	11.05N	126.20E	50–5	4.4,4.3			
DJA	VII	17 10 12 19	10.98N	126.38E	204	4.6b,4.3			

ISC Event type fe.
MAN Event type fe. INTENSITY II - TACLOBAN CITY.
MOS Error ellipse: s-maj=14.4km s-min=6.6km az=123.6.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.4km az=1.4.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=6.3km az=65.0. Felt [II PIVS] at Tacloban, Leyte.
IDC Error ellipse: s-maj=20.6km s-min=10.1km az=69.0.

ISC	**VII**	**17 11 18 55.7–.74**	**20.96N–.07**	**121.4E–.20**	**35**	**3.5b**	**17**	**2-46**	
IDC	VII	17 11 18 51.1–1.2	20.88N	121.19E	0	3.8,3.7L			¶11811832
NEIC	VII	17 11 18 52.2–.69	20.92N	121.32E	10	3.8,3.7L			
ISCJB	VII	17 11 18 53.6–.74	20.90N–.06	121.3E–.20	33	3.5b,3.7L			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**VII**	**18 18 15 49.2–3.0**	**6.2N–.20**	**127.1E–.30**	**148–26**	**3.7b**	**11**	**2-88**	
ISCJB	VII	18 18 15 49.2–2.8	6.2N–.20	127.0E–.30	165–23	3.7b			¶11811951
NEIC	VII	18 18 15 49.3–.65	6.22N	127.10E	150	4.4b			
IDC	VII	18 18 15 50.4–11	6.20N	127.08E	160–112	3.5,3.3b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=49.2km s-min=18.3km az=156.0.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=12.5km az=72.0.
IDC Error ellipse: s-maj=60.1km s-min=16.5km az=63.0.

ISC	**VII**	**19 14 46 28.7–2.2**	**6.6N–.30**	**127.2E–.30**	**165–16**	**3.9b**	**10**	**1-41**	
ISCJB	VII	19 14 46 27.8–2.0	6.5N–.40	127.0E–.30	175–15	3.9b			¶13728177
MAN	VII	19 14 46 29	5.53N	126.28E	80	4.6b,3.5s			
IDC	VII	19 14 46 42.8–7.5	2.66N	126.67E	0	4.1,3.9b			

ISCJB Error ellipse: s-maj=79.2km s-min=23.2km az=40.3.

IDC Error ellipse: s-maj=170.6km s-min=118.6km az=74.0.
ISC VII 19 21 00 32.1–.88 15.41N–.05 122.70E–.09 42–14 3.5b 17 1-40
IDC VII 19 21 00 26.8–2.8 15.34N 122.80E 0 3.9,3.7 **¶12698332**
MAN VII 19 21 00 29 15.34N 122.40E 5 3.9,3.7
ISCJB VII 19 21 00 31.2–.82 15.42N–.05 122.69E–.09 48–12 3.5b,3.7
ISC VII 20 05 44 57.6–.83 20.54N–.08 122.6E–.20 35 3.6b 20 3-76
NEIC VII 20 05 44 54.2–.87 20.54N 122.60E 10 3.6b **¶11812139**
ISCJB VII 20 05 44 55.5–.83 20.56N–.08 122.7E–.20 33 3.6b
IDC VII 20 05 45 01.2–7.5 20.27N 122.29E 51–73 3.5,3.4b
MAN VII 20 06 44 52 20.58N 121.72E 1 4.8b,3.7s
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=28.2km s-min=10.6km az=73.0. Felt [IV PIVS] at Basco and [III PIVS] at Mahatao.
ISCJB Event type fe. Error ellipse: s-maj=24.5km s-min=7.2km az=158.7.
IDC Error ellipse: s-maj=39.0km s-min=24.5km az=75.0.
MAN Event type fe. INTENSITY IV - BASCO BATANES INTENSITY III - MAHATAO BATANES.
IDC VII 20 07 00 30.3–2.2 20.22N 122.04E 0 3.5,3.4b
MAN VII 20 07 00 30 20.58N 121.97E 15 4.2b,3.0L **¶12698344**
IDC Error ellipse: s-maj=194.1km s-min=28.9km az=67.0.
MAN Event type fe. INTENSITY II - BASCO BATANES.
MAN VII 20 07 15 00 20.26N 121.90E 1 4.3b,3.1L
¶13728188
MAN Event type fe. INTENSITY II - BASCO BATANES.
ISC VII 22 22 45 48.4–.74 20.88N–.05 121.02E–.04 60–7 3.9b,3.7s 105 1-72
NIED VII 22 22 45 00 21.00N 121.20E 17 4.2W,3.7s **¶11480090**
NEIC VII 22 22 45 42.8–.78 20.70N 120.65E 10 4.2b,3.7s
BJI VII 22 22 45 43.9 20.87N 121.75E 15 4.4b,4.1b
IDC VII 22 22 45 47.3–.92 21.02N 121.06E 0 4.1L,4.0
ISCJB VII 22 22 45 47.8–.71 20.92N–.05 121.08E–.04 71–6 3.8b,4.0
TAP VII 22 22 45 49.0 21.02N 121.12E 70–1 4.4L,4.0
JMA VII 22 22 45 50.2–.30 21.02N 121.21E 157 3.9,4.0
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s190.00000°,δ88.00000°,λ-167.00000°. NP2:ϕ_s99.00000°,δ77.00000°,λ-2.00000°. M_o2.55000×10^{15}
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=8.7km az=124.0.
IDC Error ellipse: s-maj=27.1km s-min=18.3km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.4km az=154.1.
TAP D.
JMA Error ellipse: s-maj=4.4km s-min=6.2km az=-1.0.
ISC VII 24 21 56 43.5–1.9 21.00N–.04 121.6E–.10 1–11 4.3b 29 2-82
NIED VII 24 21 56 00 20.90N 121.70E 5 3.7W **¶11747143**
NEIC VII 24 21 56 44.7–.51 21.05N 121.63E 10 4.2b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s274.00000°,δ65.00000°,λ-70.00000°. NP2:ϕ_s54.00000°,δ31.00000°,λ-126.00000°. M_o4.65000×10^{14}
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.7km az=79.0.
ISC VII 26 03 17 54.5–.51 19.22N–.03 121.3E–.10 59–8 3.6b 24 1-87
IDC VII 26 03 17 47.5–1.2 19.39N 121.68E 0 3.8,3.7b **¶11812626**
ISCJB VII 26 03 17 53.3–.54 19.26N–.03 121.3E–.10 62–8 3.6b,3.7b
MAN VII 26 03 17 55 19.00N 121.27E 6 5.0b,4.0s
NEIC VII 26 03 17 57.6–1.9 19.40N 121.73E 88–15 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=23.8km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=5.8km az=179.9.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=18.9km az=70.0.
ISC VII 27 00 02 50.9–.79 19.29N–.02 119.67E–.02 25–5 5.1b,4.5s 565 1-172
IDC VII 27 00 02 46.7–.44 19.21N 119.69E 0 4.9,4.9b **¶13390215**
ISCJB VII 27 00 02 48.0–.79 19.30N–.02 119.65E–.02 16–5 5.1b,4.5s
SZGRF VII 27 00 02 49.7 19.60N 120.83E 33 5.1b,4.9s
NEIC VII 27 00 02 50.1–1.4 19.18N 119.67E 23–9 5.2b,4.9s
MOS VII 27 00 02 51.3–.88 19.24N 119.65E 42 5.4b,4.7s
BJI VII 27 00 02 51.9 19.51N 119.48E 28 5.0b,4.8s
TEH VII 27 00 02 52.0 19.17N 119.68E 35 5.0b,4.8s
DJA VII 27 00 03 02 19.19N 119.65E 139 5.1b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=12.4km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.6km az=175.4.
SZGRF Philippine Islands region.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.5km az=88.0.
MOS Error ellipse: s-maj=8.5km s-min=4.1km az=118.8.
MAN VII 29 13 29 52 15.34N 122.34E 17 4.3b,3.1L
¶13728251
ISC VII 29 18 06 58.7–.48 15.47N–.03 122.47E–.06 35 3.8b 33 1-78
IDC VII 29 18 06 52.8–1.2 15.37N 122.72E 0 4.8L,3.7b **¶11812861**
NEIC VII 29 18 06 53.8–.64 15.39N 122.81E 10 4.4b,3.7b
MAN VII 29 18 06 55 15.41N 122.37E 0 5.0b,4.0s
ISCJB VII 29 18 06 57.4–.49 15.47N–.03 122.48E–.05 33 3.8b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 30 12 21 20.1–1.0 11.1N–.10 126.5E–.20 35 3.5b 6 2-79
IDC VII 30 12 21 15.1–1.2 11.20N 126.68E 0 3.7,3.6b **¶12698497**
ISCJB VII 30 12 21 18.0–1.0 11.2N–.10 126.5E–.20 33 3.5b,3.6b
ISC VII 30 14 18 28.8–.68 19.62N–.05 121.44E–.10 59–9 3.7b,3.5s 39 2-97
IDC VII 30 14 18 21.1–.97 19.54N 121.44E 0 3.9,3.9L **¶11480188**
NEIC VII 30 14 18 26.3–1.6 19.50N 121.46E 37–15 4.2b,3.9L
ISCJB VII 30 14 18 27.0–.75 19.61N–.05 121.4E–.10 60–9 3.7b,3.5s
MAN VII 30 14 18 42 18.58N 121.62E 64 4.9b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=22.2km az=83.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.2km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=8.0km az=174.0.
ISC VIII 01 02 21 37.5–.30 13.59N–.02 118.71E–.02 36–3 5.0b,4.6s 419 2-173
IDC VIII 01 02 21 32.0–.49 13.57N 118.65E 0 4.8L,4.7b **¶11154055**
MAN VIII 01 02 21 33 13.49N 118.58E 37 5.6b,5.0s
ISCJB VIII 01 02 21 35.5–.69 13.60N–.02 118.70E–.02 33–5 5.0b,4.6s
GCMT VIII 01 02 21 36.7–.10 13.62N 118.66E 18–0 5.4W,4.6s
DJA VIII 01 02 21 36 13.85N 118.87E 30 5.1b,4.6s
MOS VIII 01 02 21 36.1–.98 13.66N 118.63E 33 5.3b,4.8s
NEIC VIII 01 02 21 40.8–.74 13.66N 118.63E 62–6 5.0b,4.8s
BJI VIII 01 02 21 42.6 14.05N 118.67E 70 5.1b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=12.8km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.2km az=1.4.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 105 sta. Moment Tensor Solution. s72,c131; s99,c196; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.50±.02 $M_{\theta\theta}$-0.53±.02; $M_{\phi\phi}$1.03±.02; $M_{r\theta}$-0.46±.05; $M_{\theta\phi}$-1.02±.02; $M_{\phi r}$-0.38±.05; Best double couple: NP1: ϕ_s113.00000°,δ64.00000°,λ-158.00000°. NP2:ϕ_s14.00000°,δ71.00000°,λ-27.00000°. Principal axes: T 1.5500,Plg4.0000°,Azm65.0000°; N -0.1400,Plg57.0000°,Azm161.0000°; P -1.4100,Plg33.0000°,Azm332.0000° M_o1.50000×10^{17}
MOS Error ellipse: s-maj=9.0km s-min=4.8km az=123.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.4km az=70.0.
ISC VIII 01 06 55 27.5–1.5 15.09N–.04 122.87E–.08 2–10 3.9b 21 1-50
IDC VIII 01 06 55 23.8–2.7 15.09N 123.06E 0 4.1,4.0 **¶12580884**
ISCJB VIII 01 06 55 30.0–1.8 15.10N–.05 122.73E–.10 21–17 3.9b,4.0
MAN VIII 01 06 55 30 15.08N 122.71E 30 4.9b,3.9s
IDC Error ellipse: s-maj=54.3km s-min=23.7km az=22.0.
ISCJB Error ellipse: s-maj=15.9km s-min=7.4km az=166.6.
ISC VIII 04 06 21 34.2–2.0 19.9N–.10 121.5E–.20 55–17 3.8b,3.4s 14 3-87
IDC VIII 04 06 21 26.8–1.2 19.91N 121.61E 0 4.0,3.9b **¶11907760**
ISCJB VIII 04 06 21 33.1–2.0 20.0N–.10 121.5E–.20 60–16 3.8b,3.4s
NEIC VIII 04 06 21 33.9–2.1 19.88N 121.46E 54–17 3.8b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=46.4km s-min=23.6km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=36.2km s-min=16.7km az=172.4.
NEIC Event type se. Error ellipse: s-maj=39.3km s-min=19.6km az=68.0.
MAN VIII 10 19 38 12 8.44N 127.15E 27 4.3b,3.1L
¶13728321
ISC VIII 12 04 05 54.1–.28 13.42N–.03 125.37E–.04 51 4.6b,3.6s 119 1-167
MAN VIII 12 04 05 49 13.59N 125.50E 28 4.8b,3.8s **¶11652894**
MOS VIII 12 04 05 50.5–1.0 13.48N 125.46E 33 5.0b,3.8s
BJI VIII 12 04 05 50.3 13.62N 125.61E 30 4.7b,4.6b
ISCJB VIII 12 04 05 52.0–.28 13.44N–.03 125.41E–.04 49 4.6b,3.6s
NEIC VIII 12 04 05 52.3–.26 13.47N 125.45E 35 4.6b,3.6s
IDC VIII 12 04 05 54.1–.52 13.50N 125.43E 49–4 4.2,4.2
ISC Event type se.
MOS Error ellipse: s-maj=19.1km s-min=8.2km az=125.3.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.0km az=3.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.0km az=66.0.
IDC Error ellipse: s-maj=18.9km s-min=10.1km az=70.0.
MAN VIII 12 13 35 31 19.11N 121.06E 16 4.4b,3.2L
¶13728333
IDC VIII 13 10 00 37.2–23 5.89N 127.34E 253–236 3.4,3.3b
¶12581049
IDC Error ellipse: s-maj=100.2km s-min=25.5km az=52.0.
MAN VIII 13 11 22 06 15.34N 123.19E 26 4.5b,3.4L
¶13728342
ISC VIII 16 18 58 49.4–.55 11.15N–.08 126.45E–.10 35 4.0b 31 1-85
IDC VIII 16 18 58 43.7–.79 11.16N 126.64E 0 4.0,3.9 **¶11908319**
ISCJB VIII 16 18 58 46.8–.57 11.19N–.07 126.66E–.09 33 4.0b,3.9
MAN VIII 16 18 58 51 11.55N 126.38E 28 4.9b,3.9s
NEIC VIII 16 18 58 56.3–.47 10.99N 126.30E 100 4.8b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=15.5km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=9.3km az=150.3.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=9.9km az=70.0.
ISC VIII 18 15 53 34.0–3.6 13.0N–.10 125.6E–.20 47–31 3.5b 9 1-49
IDC VIII 18 15 53 26.3–1.5 13.01N 125.84E 0 3.7,3.5b **¶12581177**
ISCJB VIII 18 15 53 32.8–3.7 13.0N–.10 125.6E–.30 54–29 3.5b,3.5b
MAN VIII 19 11 47 22 15.40N 122.29E 28 4.7b,3.6s
¶13728391
ISC VIII 19 17 23 45.4–1.1 20.96N–.06 124.28E–.05 61–15 3.5b 41 3-55
IDC VIII 19 17 23 38.8–1.3 20.75N 124.58E 0 3.7,3.6b **¶11908444**
NEIC VIII 19 17 23 39.5–.96 20.85N 124.54E 10 3.7,3.6b
JMA VIII 19 17 23 45.9–.30 21.06N 124.44E 50 4.1,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=59.5km s-min=17.8km az=63.0.
NEIC Event type se. Error ellipse: s-maj=34.5km s-min=8.6km az=55.0.
JMA Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
ISC VIII 19 18 21 53.1–3.4 20.12N–.06 121.4E–.10 35–27 3.2b 16 3-45
IDC VIII 19 18 21 48.2–1.1 20.05N 121.33E 0 3.7L,3.6 **¶11908447**
NEIC VIII 19 18 21 48.6–6.7 20.03N 121.30E 3–44 3.7L,3.6
ISCJB VIII 19 18 21 51.6–1.8 20.13N–.09 121.4E–.10 39–19 3.2b,3.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 20 17 29 33.6–.48 17.87N–.06 119.45E–.05 35 3.8b 22 1-117
IDC VIII 20 17 29 28.7–.71 17.93N 119.60E 0 3.9,3.7b **¶11908500**
NEIC VIII 20 17 29 29.8–8.9 17.98N 119.67E 9–56 4.5b,3.7b
ISCJB VIII 20 17 29 31.9–.50 17.88N–.06 119.40E–.05 33 3.8b,3.7b
MAN VIII 20 17 29 36 17.88N 119.75E 15 5.3b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=17.0km az=70.0.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=11.0km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.0km az=32.8.
IDC VIII 20 22 29 52.9–3.7 19.41N 121.94E 0 3.6,3.4b
¶12581242
IDC Error ellipse: s-maj=292.2km s-min=27.7km az=61.0.
ISC VIII 24 22 00 40.3–1.4 19.1N–.10 121.28E–.08 55–16 3.5b 22 1-54
IDC VIII 24 22 00 32.2–1.2 19.28N 121.68E 0 3.8,3.7s **¶12581357**
ISCJB VIII 24 22 00 39.4–1.3 19.14N–.10 121.26E–.08 64–14 3.5b,3.7s
MAN VIII 24 22 00 39 19.02N 121.21E 15 4.8b,3.8s
IDC Error ellipse: s-maj=56.7km s-min=18.7km az=61.0.
ISCJB Error ellipse: s-maj=16.8km s-min=11.9km az=10.4.
IDC VIII 26 21 05 59.6–1.6 20.98N 121.35E 0 4.5s,4.5
¶12581445
IDC Error ellipse: s-maj=143.3km s-min=18.4km az=65.0.
ISC VIII 27 13 44 40.8–.51 10.00N–.07 127.2E–.10 35 4.2b 26 3-146
IDC VIII 27 13 44 35.6–.76 10.02N 127.16E 0 4.7L,4.3 **¶11908924**
ISCJB VIII 27 13 44 38.6–.51 10.01N–.07 127.2E–.10 33 4.2b,4.3
NEIC VIII 27 13 44 40.6–.42 10.00N 127.19E 35 4.8b,4.3
MAN VIII 27 13 44 41 10.15N 125.64E 13 4.7b,3.7s
ISC Event type fe.
IDC Error ellipse: s-maj=38.0km s-min=13.9km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=14.2km s-min=9.5km az=178.4.
NEIC Event type fe. Error ellipse: s-maj=13.4km s-min=9.1km az=76.0. Felt [IV PIVS] in Dinagat and [III PIVS] at Surigao, Mindanao.
MAN Event type fe. INTENSITY IV - DINAGAT PROVINCE; INTENSITY III - SURIGAO CITY.
MAN VIII 30 14 21 41 17.53N 119.85E 21 4.6b,3.5s
¶13728482
IDC VIII 30 14 59 33.1–1.4 19.18N 120.30E 0 3.6,3.5b
¶12581571
IDC Error ellipse: s-maj=147.2km s-min=19.7km az=65.0.
ISC VIII 30 17 28 38.8–2.6 8.20N–.07 127.1E–.20 41–27 3.4b 14 1-54
IDC VIII 30 17 28 34.5–2.4 8.09N 126.36E 0 3.6,3.4b **¶12581574**
MAN VIII 30 17 28 34 8.29N 127.32E 26 4.6b,3.4s
ISCJB VIII 30 17 28 37.5–2.5 8.21N–.07 127.1E–.20 48–24 3.4b,3.4s
IDC VIII 30 19 49 47.8–2.3 19.72N 120.78E 0 3.7,3.5b
¶12581578
IDC Error ellipse: s-maj=238.7km s-min=21.4km az=63.0.
ISC VIII 31 23 58 35.6–2.5 5.05N–.07 127.39E–.09 230–26 3.7b 30 17-89
ISCJB VIII 31 23 58 33.5–2.7 5.04N–.07 127.36E–.09 226–28 3.7b **¶11909190**
NEIC VIII 31 23 58 35.7–1.4 5.05N 127.38E 232–15 4.0b
IDC VIII 31 23 58 36.9–12 5.06N 127.41E 241–130 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=11.1km az=164.9.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=75.0.
IDC Error ellipse: s-maj=62.1km s-min=20.9km az=59.0.
ISC IX 01 10 02 49.7–.40 8.74N–.04 127.48E–.04 38 4.3b 54 2-122
DJA IX 01 10 02 23 10.63N 128.27E 20 5.0b **¶12922486**
MAN IX 01 10 02 45 8.77N 127.64E 40 4.6b,3.5L
ISCJB IX 01 10 02 47.5–.39 8.74N–.04 127.52E–.04 36 4.3b,3.5L
BJI IX 01 10 02 49.2 8.10N 127.38E 83 4.9b,4.6b
IDC IX 01 10 02 49.4–.59 8.60N 127.44E 36–4 4.3L,4.1b
NEIC IX 01 10 02 51.5–1.8 8.56N 127.46E 58–17 4.6b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=5.0km az=26.0.
IDC Error ellipse: s-maj=21.5km s-min=11.3km az=78.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.2km az=63.0.
MAN IX 02 17 11 28 10.14N 126.24E 0 4.8b,3.7s
¶13728796
MAN IX 03 00 53 53 17.31N 119.67E 15 4.1b,3.0L
¶13729135
ISC IX 03 05 32 31.0–.54 19.03N–.04 121.35E–.06 10 3.6b,3.3s 30 1-88
IDC IX 03 05 32 28.7–.81 18.90N 121.41E 0 4.0,3.9L **¶11909347**
ISCJB IX 03 05 32 29.6–.54 19.06N–.04 121.36E–.06 10 3.6b,3.3s
NEIC IX 03 05 32 29.9–.79 18.85N 121.26E 10 3.6b,3.3s
MAN IX 03 05 32 48 18.08N 120.96E 20 4.6b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=18.4km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.1km az=24.8.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=15.9km az=11.0.
ISC IX 03 08 27 42.7–.46 19.67N–.03 121.11E–.07 46–6 4.2b,3.4s 51 1-151
IDC IX 03 08 27 35.6–.61 19.59N 121.24E 0 4.7L,4.4 **¶11909353**
ISCJB IX 03 08 27 41.6–.51 19.68N–.03 121.09E–.08 51–7 4.2b,3.4s
NEIC IX 03 08 27 41.1–.63 19.54N 121.14E 36–6 4.4b,3.4s
BJI IX 03 08 27 48.2 20.39N 120.70E 35 4.7b,4.3b
MAN IX 03 08 28 00 18.24N 120.94E 31 4.4b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=13.9km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=4.9km az=0.6.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.6km az=93.0.

IDC IX 03 08 32 40.8–1.6 19.52N 121.36E 0 3.6,3.4 ¶11909354
IDC Error ellipse: s-maj=40.8km s-min=29.3km az=65.0.
ISC IX 04 06 46 25.0–2.7 10.1N–.10 126.3E–.20 61–25 3.6b 18 1-93
IDC IX 04 06 46 17.9–1.2 9.87N 125.61E 0 3.8,3.7 ¶11909440
MAN IX 04 06 46 22 10.01N 126.32E 0 4.6b,3.5s
ISCJB IX 04 06 46 23.5–2.6 10.1N–.10 126.3E–.20 66–22 3.6b,3.5s
ISC IX 05 11 31 19.8–2.0 19.36N–.05 121.5E–.10 9–13 3.9b,3.5s 30 2-115
IDC IX 05 11 31 18.0–.63 19.26N 121.43E 0 4.1L,4.0 ¶11909521
NEIC IX 05 11 31 24.7–1.9 19.21N 121.29E 48–18 4.1L,4.0
MAN IX 05 11 31 24 19.16N 121.14E 9 5.0b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=13.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.5km az=70.0.
MAN IX 05 20 27 28 15.45N 122.52E 1 4.8b,3.7s ¶13729894
ISC IX 12 02 48 14.2–1.4 7.80N–.06 127.26E–.08 49–12 4.0b,3.3s 37 1-88
IDC IX 12 02 48 08.1–.70 7.85N 127.16E 0 4.1,4.0 ¶11910084
MAN IX 12 02 48 11 7.75N 127.34E 97 4.8b,3.7s
ISCJB IX 12 02 48 12.3–1.3 7.82N–.06 127.30E–.08 52–11 4.0b,3.3s
NEIC IX 12 02 48 15.5–1.8 7.76N 127.02E 57–16 4.3b,3.3s
BJI IX 12 02 48 16.3 7.59N 126.16E 84 5.1b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=15.2km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=9.0km az=162.8.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=7.6km az=65.0.
ISC IX 12 04 12 53.2–1.3 7.81N–.05 127.25E–.09 52–11 4.0b 41 1-88
IDC IX 12 04 12 46.7–.74 7.81N 127.00E 0 4.0,4.0 ¶11910089
ISCJB IX 12 04 12 51.3–1.3 7.82N–.05 127.30E–.08 54–11 4.0b,4.0
MAN IX 12 04 12 51 7.81N 127.28E 29 4.9b,3.8s
BJI IX 12 04 12 55.0 7.80N 127.00E 66 5.0b,4.7b
NEIC IX 12 04 12 55.2–2.3 7.77N 126.99E 66–20 4.4b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=15.3km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=7.8km az=168.4.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=7.3km az=66.0.
IDC IX 13 08 57 58.0–2.5 6.45N 127.66E 0 3.7,3.5b ¶11910166
IDC Error ellipse: s-maj=153.4km s-min=24.6km az=69.0.
ISC IX 15 16 53 12.9–.38 13.22N–.04 125.61E–.05 47 4.1b 53 1-149
MAN IX 15 16 53 08 13.35N 125.78E 46 4.8b,3.8s ¶11910346
ISCJB IX 15 16 53 10.8–.38 13.26N–.04 125.65E–.04 45 4.1b,3.8s
BJI IX 15 16 53 10.7 13.58N 125.61E 17 4.3b,4.2b
NEIC IX 15 16 53 12.5–.33 13.25N 125.80E 44 4.4b,4.2b
IDC IX 15 16 53 13.1–.66 13.24N 125.67E 45–6 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=5.2km az=177.1.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.5km az=62.0.
IDC Error ellipse: s-maj=22.2km s-min=11.2km az=70.0.
ISC IX 15 20 57 44.2–1.6 6.1N–.10 127.2E–.20 98–13 3.9b 22 1-90
ISCJB IX 15 20 57 43.4–1.7 6.1N–.10 127.2E–.20 107–13 3.9b ¶11910360
IDC IX 15 20 57 43.6–5.1 6.06N 127.23E 91–42 3.8,3.7b
NEIC IX 15 20 57 44.2–3.1 6.03N 127.12E 96–23 4.3b,3.7b
MAN IX 15 20 57 49 6.72N 127.17E 45 5.1b,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.8km s-min=12.8km az=154.2.
IDC Error ellipse: s-maj=84.9km s-min=12.3km az=65.0.
NEIC Event type se. Error ellipse: s-maj=75.2km s-min=9.1km az=68.0.
ISC IX 16 09 18 56.2–.61 5.81N–.03 127.15E–.06 70–5 4.7b 149 1-151
MOS IX 16 09 18 50.7–1.3 5.84N 127.04E 33 5.2b,4.1s ¶13394436
BJI IX 16 09 18 52.9 5.80N 127.10E 47 4.8b,4.8b
IDC IX 16 09 18 53.8–1.5 5.82N 127.11E 47–14 4.4L,4.3
NEIC IX 16 09 18 55.0–1.2 5.78N 127.06E 57–10 4.9b,4.3
ISCJB IX 16 09 18 54.7–.66 5.79N–.03 127.15E–.06 72–5 4.7b,4.3
DJA IX 16 09 18 58 5.86N 127.11E 74 5.0b,4.3
MAN IX 16 09 19 05 6.26N 126.27E 6 5.0b,4.0s
ISC Event type se.
MOS Error ellipse: s-maj=18.3km s-min=7.5km az=113.0.
IDC Error ellipse: s-maj=20.2km s-min=10.1km az=80.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=5.2km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.6km az=164.5.
MAN IX 19 00 48 42 17.08N 119.64E 32 4.5b,3.3L ¶13734929
MAN IX 20 04 25 09 18.22N 119.64E 1 4.3b,3.1L ¶13735212
ISC IX 24 03 04 22.3–1.5 10.02N–.08 126.3E–.10 57–15 3.6b 19 1-86
IDC IX 24 03 04 14.5–.88 9.89N 126.02E 0 3.8,3.7 ¶11910914
ISCJB IX 24 03 04 21.3–1.4 10.04N–.08 126.3E–.10 61–14 3.6b,3.7
MAN IX 24 03 04 22 10.07N 126.17E 24 4.4b,3.3L
IDC Error ellipse: s-maj=69.5km s-min=17.9km az=72.0.
ISCJB Error ellipse: s-maj=19.7km s-min=11.0km az=158.5.
ISC IX 24 10 55 36.9–2.7 8.31N–.06 127.23E–.06 10–18 3.6b 25 2-81
MAN IX 24 10 55 32 8.19N 127.68E 103 5.2b,4.3s ¶11910929
IDC IX 24 10 55 34.5–.89 8.42N 127.05E 0 3.8,3.7
ISCJB IX 24 10 55 36.8–2.7 8.31N–.06 127.25E–.07 20–21 3.6b,3.7
NEIC IX 24 10 55 46.0–3.3 8.22N 126.56E 93–30 3.6b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=16.7km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=8.4km az=141.1.
NEIC Event type se. Error ellipse: s-maj=58.4km s-min=13.7km az=71.0.
ISC IX 24 18 15 09.9–4.0 7.96N–.09 127.35E–.07 21–33 3.4b 12 1-54
MAN IX 24 18 15 02 7.81N 127.67E 9 4.9b,4.0s ¶11910943
IDC IX 24 18 15 06.6–1.7 8.01N 127.31E 0 3.7,3.5b
ISCJB IX 24 18 15 09.5–2.2 7.99N–.09 127.4E–.10 36–22 3.4b,3.5b
ISC X 02 05 14 20.8–2.3 13.6N–.20 120.0E–.20 35 4.0b 11 0-40
MAN X 01 05 14 20 13.48N 120.12E 13 4.3b,3.1L ¶11911686
ISCJB X 02 05 14 19.9–2.4 13.6N–.20 119.9E–.20 33 4.0b,3.1L
IDC X 02 05 14 20.8–1.4 13.20N 120.41E 0 4.1,3.8
ISCJB Error ellipse: s-maj=36.4km s-min=11.3km az=38.7.
IDC Error ellipse: s-maj=30.7km s-min=11.3km az=111.0.
ISC X 03 11 18 47.0–2.4 20.1N–.10 121.7E–.20 42–27 3.8b,3.1s 14 3-45
IDC X 03 11 18 41.4–1.1 20.04N 121.53E 0 3.8,3.7 ¶12065777
ISCJB X 03 11 18 45.7–2.5 20.1N–.10 121.8E–.20 48–26 3.8b,3.1s
NEIC X 03 11 18 46.3–.73 20.05N 121.60E 35 4.2b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=45.4km s-min=19.1km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=29.8km s-min=18.4km az=155.1.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=10.7km az=80.0.
MAN X 05 18 34 38 17.06N 119.97E 15 4.8b,3.7s ¶13740439
ISC X 09 12 41 05.3–.24 8.57N–.02 127.13E–.03 33 4.8b,3.7s 239 2-144
ISCJB X 09 12 41 03.0–.24 8.60N–.02 127.17E–.03 31 4.8b,3.7s ¶11346445
BJI X 09 12 41 03.0 8.74N 126.58E 12 5.0b,4.6b
IDC X 09 12 41 04.9–.60 8.41N 126.83E 31–3 4.4,4.4
MOS X 09 12 41 04.4–.97 8.45N 126.96E 43 4.9b,4.4
DJA X 09 12 41 07 8.63N 127.26E 42 5.0b,4.4
MAN X 09 12 41 07 8.64N 126.99E 55 5.3b,4.5s
NEIC X 09 12 41 10.3–1.0 8.36N 126.78E 78–9 4.8b,4.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=1.2.
IDC Error ellipse: s-maj=23.2km s-min=10.7km az=77.0.
MOS Error ellipse: s-maj=13.2km s-min=5.8km az=118.6.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.0km az=77.0.
ISC X 12 07 47 01.3–2.2 19.28N–.06 121.2E–.10 1–15 3.7b,3.1s 29 1-74
IDC X 12 07 46 59.4–.88 19.06N 121.35E 0 3.9,3.8 ¶12068449
NEIC X 12 07 47 04.3–.59 19.11N 121.39E 35 4.2b,3.8
MAN X 12 07 47 06 18.92N 121.15E 1 4.9b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=17.4km az=70.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=10.7km az=72.0.
ISC X 12 14 47 00.6–.54 19.87N–.04 121.46E–.09 54–7 3.8b,3.4s 43 2-82
ISCJB X 12 14 46 59.2–.57 19.88N–.04 121.47E–.09 60–7 3.8b,3.4s ¶12068471
NEIC X 12 14 46 59.6–.41 19.83N 121.49E 46 4.4b,3.4s
IDC X 12 14 46 59.9–3.7 19.83N 121.52E 48–39 3.8,3.8L
MAN X 12 14 47 10 18.93N 121.35E 11 4.9b,3.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.1km az=176.7.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.7km az=83.0.
IDC Error ellipse: s-maj=27.0km s-min=14.9km az=67.0.
MAN X 14 08 23 53 13.81N 119.92E 23 4.7b,3.6s ¶13743564
MAN X 14 15 57 49 6.71N 127.17E 46 4.8b,3.7s ¶13743560
ISC X 19 14 31 32.7–1.6 6.1N–.10 127.4E–.10 40–15 3.6b 32 1-83
ISCJB X 19 14 31 30.6–1.6 6.1N–.10 127.5E–.10 46–14 3.6b ¶12069047
NEIC X 19 14 31 37.0–1.8 5.77N 126.73E 79–17 4.4b
IDC X 19 14 31 37.9–2.2 5.77N 126.79E 87–20 3.4,3.3b
MAN X 19 14 31 44 6.77N 126.63E 17 4.7b,3.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=14.1km az=140.6.
NEIC Event type se. Error ellipse: s-maj=38.2km s-min=13.0km az=70.0.
IDC Error ellipse: s-maj=41.3km s-min=15.0km az=69.0.
ISC X 20 19 51 37.7–2.3 20.57N–.05 122.17E–.08 26–17 3.6b,3.6s 38 2-82
NIED X 20 19 51 00 20.70N 122.50E 38 4.2W,3.6s ¶11749135
IDC X 20 19 51 33.8–.95 20.46N 122.14E 0 3.8L,3.8
NEIC X 20 19 51 35.1–.67 20.55N 122.20E 10 3.9b,3.8
ISCJB X 20 19 51 36.3–2.2 20.57N–.05 122.22E–.07 30–17 3.6b,3.6s
JMA X 20 19 51 37.7–.50 20.74N 122.54E 0 3.9,3.6s
MAN X 20 19 51 42 20.26N 122.01E 22 5.1b,4.3s
ISC Event type fe.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s183.00000°,δ70.00000°,λ22.00000°. NP2:ϕ_s85.00000°,δ69.00000°,λ158.00000°. $M_0$2.16000×10^{15}
IDC Error ellipse: s-maj=30.6km s-min=17.5km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=17.5km s-min=9.3km az=77.0. Felt [III PIVS] at Basco.
ISCJB Event type fe. Error ellipse: s-maj=12.7km s-min=6.5km az=28.5.
JMA Error ellipse: s-maj=4.4km s-min=7.3km az=-1.0.
MAN Event type fe. INTENSITY III - BASCO BATANES.
ISC X 21 10 47 33.3–1.0 13.14N–.09 125.3E–.10 35 3.5b 8 1-49
IDC X 21 10 47 28.2–1.3 13.30N 125.61E 0 3.7,3.5b ¶12070728
ISCJB X 21 10 47 31.2–1.0 13.14N–.09 125.4E–.10 33 3.5b,3.5b
ISC X 22 17 12 44.8–.36 15.15N–.03 122.07E–.06 69–4 4.4b 78 0-87
IDC X 22 17 12 36.4–.64 15.16N 122.63E 0 4.5,4.3 ¶12070815
NEIC X 22 17 12 42.8–1.5 15.08N 122.42E 50–14 4.7b,4.3
ISCJB X 22 17 12 43.7–.37 15.14N–.03 122.11E–.06 78–4 4.4b,4.3
MAN X 22 17 12 44 9.38N 126.46E 1 5.5b,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=25.3km s-min=12.7km az=75.0.
NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=8.9km az=74.0. Felt [II PIVS] at Baler, Guinayangan, Makati and Quezon City, Luzon.
ISCJB Event type fe. Error ellipse: s-maj=9.4km s-min=4.3km az=163.9.
MAN Event type fe. INTENSITY II - QUEZON CITY MAKATI CITY; GUINAYANGAN QUEZON; BALER AURORA.
ISC X 23 04 57 58.2–.76 10.77N–.10 126.53E–.09 35 3.9b 12 2-90
IDC X 23 04 57 53.2–1.3 10.68N 126.16E 0 4.0,3.9 ¶12070859
ISCJB X 23 04 57 56.0–.77 10.76N–.10 126.63E–.09 33 3.9b,3.9
MAN X 23 04 58 13 10.58N 125.27E 7 4.1b,2.9L
IDC Error ellipse: s-maj=127.3km s-min=17.8km az=71.0.
ISCJB Error ellipse: s-maj=14.5km s-min=12.0km az=33.6.
ISC X 23 16 11 45.8–.55 19.17N–.04 121.1E–.10 44–10 3.1b 29 1-74
IDC X 23 16 11 38.8–1.1 19.01N 121.41E 0 3.5,3.3b ¶12070911
NEIC X 23 16 11 40.8–.64 18.95N 121.16E 15 3.5,3.3b
ISCJB X 23 16 11 44.7–.57 19.22N–.04 121.3E–.10 49–10 3.1b,3.3b
MAN X 23 16 11 48 18.79N 121.21E 1 4.9b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=64.9km s-min=20.9km az=70.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.8km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=7.0km az=2.9.
ISC X 24 18 15 24.7–.48 20.08N–.03 121.42E–.05 35–5 4.3b,3.6s 102 2-122
NIED X 24 18 15 00 20.30N 121.80E 8 4.5W,3.6s ¶13397981
IDC X 24 18 15 19.2–.57 20.03N 121.44E 0 4.3,4.3
NEIC X 24 18 15 22.8–1.9 20.03N 121.42E 24–14 4.6b,4.3
ISCJB X 24 18 15 23.3–.53 20.09N–.03 121.49E–.05 41–5 4.3b,3.6s
JMA X 24 18 15 24.0–.40 20.26N 121.78E 0 4.6,3.6s
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s136.00000°,δ60.00000°,λ87.00000°. NP2:ϕ_s323.00000°,δ30.00000°,λ96.00000°. $M_0$7.04000×10^{15}
IDC Error ellipse: s-maj=20.2km s-min=12.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.7km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.0km az=14.8.
JMA Error ellipse: s-maj=4.4km s-min=7.3km az=-1.0.
ISC X 26 01 41 50.4–1.7 10.78N–.08 126.1E–.20 63–14 4.0b 31 1-85
IDC X 26 01 41 41.4–1.4 10.89N 126.44E 0 4.0,3.9b ¶12071119
MAN X 26 01 41 46 10.94N 126.29E 12 4.7b,3.6s
NEIC X 26 01 41 46.6–.79 10.86N 126.43E 35 4.3b,3.6s
ISCJB X 26 01 41 49.5–1.7 10.78N–.08 126.0E–.20 73–14 3.9b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
MAN X 26 17 59 33 15.41N 122.35E 18 4.8b,3.7s ¶13747429
ISC X 27 04 07 49.0–.97 19.62N–.06 121.4E–.10 45–12 3.9b,3.2s 30 2-149
IDC X 27 04 07 42.8–.75 19.55N 121.29E 0 4.1,4.0L ¶12071217
MAN X 27 04 07 43 20.00N 121.59E 7 4.6b,3.4s
ISCJB X 27 04 07 47.7–1.1 19.64N–.07 121.4E–.10 51–13 3.9b,3.2s
NEIC X 27 04 07 48.0–1.7 19.57N 121.32E 35–17 3.9b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=14.9km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=11.1km az=5.9.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.2km az=60.0.
ISC X 27 20 25 31.1–.38 19.18N–.02 121.20E–.03 44–4 4.7b,4.2s 311 1-171
MOS X 27 20 25 27.3–1.0 19.05N 121.25E 33 5.1b,4.2s ¶13398284
NEIC X 27 20 25 28.2–1.8 19.08N 121.25E 27–12 5.0b,4.2s
TEH X 27 20 25 28.0 19.08N 121.23E 22 5.0b,4.2s
ISCJB X 27 20 25 29.6–.44 19.19N–.02 121.22E–.04 46–4 4.7b,4.2s
IDC X 27 20 25 29.2–2.6 19.09N 121.25E 33–19 4.5,4.5L
BJI X 27 20 25 29.2 19.44N 121.00E 14 4.9b,4.5b
MAN X 27 20 25 30 18.97N 121.20E 1 5.6b,5.0s
DJA X 27 20 25 31 19.21N 120.76E 10 4.9b,5.0s
GCMT X 27 20 25 32.9–.20 19.28N 120.93E 38–0 5.0W,5.0s
ISC Event type fe.
MOS Error ellipse: s-maj=11.1km s-min=5.8km az=114.1.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=5.7km az=109.0. Felt [II PIVS] at Pasuquin and Callao, Luzon.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.6km az=174.5.
IDC Error ellipse: s-maj=13.7km s-min=11.4km az=86.0.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s56,c74; s62,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}4.13±.17 $M_{\theta\theta}$-0.71±.11; $M_{\phi\phi}$-3.42±.12; $M_{r\theta}$-0.37±.09; $M_{\theta\phi}$-1.78±.07; $M_{\theta r}$-1.59±.11; Best double couple: NP1:ϕ_s31.00000°,δ35.00000°,λ98.00000°. NP2:ϕ_s201.00000°,δ56.00000°,λ84.00000°. Principal axes: T 4.4500,Plg79.0000° ,Azm90.0000°; N 0.1400,Plg5.0000°,Azm205.0000°; P -4.5900,Plg10.0000°,Azm296.0000° $M_0$4.50000×10^{16}
IDC X 28 23 14 30.2–2.5 5.19N 127.11E 0 4.3L,3.8 ¶12071395
IDC Error ellipse: s-maj=102.4km s-min=21.2km az=60.0.
ISC XI 01 05 10 34.3–.70 10.62N–.04 126.06E–.05 71–6 4.4b 115 1-165
IDC XI 01 05 10 24.9–.49 10.65N 126.01E 0 4.4,4.4 ¶11380754
MAN XI 01 05 10 27 10.79N 126.45E 105 5.3b,4.5s
ISCJB XI 01 05 10 32.5–.68 10.62N–.03 126.09E–.05 70–6 4.4b,4.5s
BJI XI 01 05 10 32.4 10.36N 126.32E 97 4.9b,4.6b
NEIC XI 01 05 10 34.6–1.0 10.58N 125.93E 75–9 4.6b,4.6b
ISC Event type se.

IDC Error ellipse: s-maj=24.3km s-min=11.3km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.2km az=160.4.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.0km az=70.0.
ISC XI 01 10 33 04.5–1.8 10.67N–.06 126.2E–.20 46–18 3.6b 18 1-79
IDC XI 01 10 32 58.2–.94 10.67N 126.10E 0 3.9,3.7b **¶12071841**
ISCJB XI 01 10 33 03.2–1.9 10.68N–.06 126.2E–.20 54–18 3.6b,3.7b
MAN XI 01 10 33 03 10.69N 126.20E 30 4.9b,3.9s
IDC Error ellipse: s-maj=58.9km s-min=18.0km az=76.0.
ISCJB Error ellipse: s-maj=31.3km s-min=9.0km az=169.9.
MAN XI 01 15 38 27 10.04N 126.02E 20 4.8b,3.7s
¶13749396
IDC XI 06 01 52 09.5–4.7 13.08N 125.07E 0 3.5,3.4b
¶12072483
IDC Error ellipse: s-maj=387.2km s-min=28.2km az=64.0.
ISC XI 08 03 42 30.0–3.2 20.87N–.08 121.8E–.20 26–24 3.8b 24 2-56
NIED XI 08 03 42 00 20.90N 122.10E 35 3.7W **¶11750236**
IDC XI 08 03 42 23.7–2.3 22.14N 125.28E 0 4.0,3.8b
ISCJB XI 08 03 42 30.2–1.6 20.9N–.10 121.9E–.20 46–17 3.8b,3.8b
NEIC XI 08 03 42 31.2–2.1 20.91N 121.85E 35–25 3.8b,3.8b
ISC Event type se.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s18.00000°,δ59.00000°,λ-141.00000°. NP2:ϕ_n266.00000°,δ58.00000°,λ-37.00000°. M_o4.03000×10^{14}
IDC Error ellipse: s-maj=202.9km s-min=18.4km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=39.4km s-min=11.6km az=159.3.
NEIC Event type se. Error ellipse: s-maj=68.2km s-min=14.7km az=63.0.
ISC XI 08 17 06 03.1–2.0 19.86N–.09 121.6E–.20 40–21 3.6s,3.5b 21 4-76
IDC XI 08 17 05 58.1–1.1 19.87N 121.54E 0 3.7,3.6 **¶12072842**
NEIC XI 08 17 05 59.7–.66 19.73N 121.35E 10 4.6b,3.6
ISCJB XI 08 17 06 01.9–2.2 19.89N–.09 121.6E–.20 47–22 3.6s,3.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 08 22 23 55.1–.98 19.23N–.05 121.4E–.10 45–10 3.5b,3.3s 32 4-83
IDC XI 08 22 23 48.5–.84 19.15N 121.47E 0 3.8,3.7 **¶12072871**
ISCJB XI 08 22 23 53.4–1.1 19.25N–.05 121.4E–.20 46–10 3.5b,3.3s
NEIC XI 08 22 23 55.0–.90 19.22N 121.42E 46–9 3.5b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=17.4km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=23.8km s-min=8.0km az=178.8.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=8.5km az=86.0.
MAN XI 10 14 44 41 10.62N 126.05E 91 4.4b,3.3L
¶13752404
ISC XI 14 13 56 20.4–.79 18.8N–.20 119.8E–.30 35 3.7b 10 1-55
IDC XI 14 13 56 15.2–2.1 18.78N 119.84E 0 3.8b,3.8 **¶12073526**
ISCJB XI 14 13 56 18.5–.80 18.7N–.20 119.6E–.20 33 3.7b,3.8
ISC XI 14 20 17 03.6–1.0 19.29N–.02 121.19E–.03 34–7 4.6b,4.0s 281 1-121
NEIC XI 14 20 17 00.1–2.0 19.16N 121.23E 15–12 4.8b,4.0s **¶11452937**
BJI XI 14 20 17 00.1 19.42N 121.11E 10 4.7b,4.6b
MOS XI 14 20 17 01.6–.91 19.15N 121.22E 38 5.0b,4.6b
IDC XI 14 20 17 01.4–4.1 19.19N 121.19E 21–26 4.6L,4.4
ISCJB XI 14 20 17 01.5–1.0 19.35N–.02 121.12E–.03 28–8 4.6b,4.0s
MAN XI 14 20 17 02 19.24N 121.08E 10 5.0b,4.1s
DJA XI 14 20 17 08 19.45N 120.99E 84 4.7b,4.1s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.6km az=110.0.
MOS Error ellipse: s-maj=9.8km s-min=6.0km az=109.0.
IDC Error ellipse: s-maj=14.9km s-min=10.8km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.2km az=7.5.
IDC XI 16 10 15 33.9–1.0 20.49N 120.00E 0 3.8,3.7b
¶12073731
IDC Error ellipse: s-maj=32.9km s-min=19.2km az=64.0.
ISC XI 16 17 01 43.1–3.0 13.3N–.20 125.6E–.20 66–37 3.4b 8 2-52
IDC XI 16 17 01 36.0–19 13.40N 125.48E 0 3.6b,3.6 **¶12073766**
ISCJB XI 16 17 01 42.9–2.8 13.2N–.20 125.5E–.20 82–34 3.4b,3.6
IDC XI 17 23 20 49.7–1.2 8.13N 127.23E 0 3.8,3.7b
¶12073937
IDC Error ellipse: s-maj=34.6km s-min=18.3km az=84.0.
IDC XI 19 15 29 12.9–1.5 5.87N 127.01E 0 3.8,3.6b
¶12074155
IDC Error ellipse: s-maj=155.0km s-min=19.4km az=68.0.
ISC XI 21 16 09 07.9–.42 10.21N–.04 126.63E–.05 43 4.2b 64 2-146
MAN XI 21 16 09 03 10.11N 126.89E 63 5.1b,4.2s **¶12074406**
ISCJB XI 21 16 09 05.8–.42 10.23N–.04 126.70E–.05 41 4.2b,4.2s
IDC XI 21 16 09 08.0–.67 10.23N 126.60E 39–5 4.4L,4.0
NEIC XI 21 16 09 08.2–.40 10.20N 126.51E 41 3.9b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.1km az=16.2.
IDC Error ellipse: s-maj=26.8km s-min=10.8km az=75.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=7.4km az=80.0.
ISC XI 26 12 15 17.6–.85 13.32N–.08 125.1E–.10 35 3.7b 13 1-59
IDC XI 26 12 15 12.0–1.9 13.45N 125.60E 0 3.8,3.7b **¶12074893**
ISCJB XI 26 12 15 15.2–.83 13.38N–.07 125.20E–.09 33 3.7b,3.7b
MAN XI 26 12 15 15 13.53N 125.05E 24 4.6b,3.5s
IDC Error ellipse: s-maj=141.9km s-min=17.6km az=70.0.
ISCJB Error ellipse: s-maj=12.6km s-min=10.4km az=19.4.
ISC XI 26 12 37 29.2–.80 13.31N–.06 125.20E–.08 35 3.7b 15 1-59
IDC XI 26 12 37 24.2–1.8 13.39N 125.34E 0 3.7b,3.7 **¶12074896**
MAN XI 26 12 37 24 13.46N 125.26E 31 4.6b,3.5L
ISCJB XI 26 12 37 27.0–.80 13.37N–.06 125.23E–.07 33 3.7b,3.5L
IDC XI 26 22 58 16.6–2.4 6.75N 127.80E 0 3.5,3.4b
¶12074966
IDC Error ellipse: s-maj=212.7km s-min=23.2km az=69.0.
ISC XI 27 04 49 57.2–.82 15.08N–.06 122.90E–.07 52–9 3.6b 20 1-50
IDC XI 27 04 49 49.6–1.3 15.27N 123.74E 0 4.4L,3.8 **¶12074992**
MAN XI 27 04 49 55 15.13N 122.92E 29 4.6b,3.5L
ISCJB XI 27 04 49 56.4–.80 15.08N–.06 122.89E–.07 63–9 3.6b,3.5L
ISC XI 30 13 54 54.6–5.0 5.10N–.08 127.0E–.10 31–37 3.8b 31 2-84
IDC XI 30 13 54 49.8–.73 5.07N 126.88E 0 3.9,3.7 **¶12075340**
ISCJB XI 30 13 54 53.7–1.9 5.11N–.07 127.0E–.10 40–18 3.8b,3.7
NEIC XI 30 13 55 00.7–4.7 5.01N 126.92E 90–46 3.9b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=39.2km s-min=14.5km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=10.3km az=163.6.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=9.5km az=64.0.
ISC XII 01 00 15 32.3–1.2 11.1N–.20 126.4E–.10 35 3.6b 7 1-45
IDC XII 01 00 15 27.1–1.6 11.17N 126.53E 0 4.0,3.9b **¶12075374**
ISCJB XII 01 00 15 30.2–1.2 11.1N–.20 126.46E–.10 33 3.6b,3.9b
ISC XII 06 00 13 36.8–.56 5.17N–.03 127.17E–.06 93–4 4.6b 171 2-159
MOS XII 06 00 13 31.4–.92 5.31N 127.15E 56 4.8b **¶11493235**
MAN XII 06 00 13 33 5.03N 126.97E 3 5.1b,4.2s
ISCJB XII 06 00 13 35.4–.61 5.18N–.03 127.14E–.06 95–5 4.6b,4.2s
NEIC XII 06 00 13 37.5–1.1 5.22N 127.13E 100–9 4.8b,4.2s
DJA XII 06 00 13 37 5.07N 127.17E 56 4.9b,4.2s
IDC XII 06 00 13 39.3–1.7 5.23N 127.12E 113–14 4.0b,4.0
BJI XII 06 00 13 43.7 6.12N 126.73E 93 5.0b,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=18.0km s-min=7.1km az=115.9.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.5km az=168.3.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.4km az=70.0.
IDC Error ellipse: s-maj=25.8km s-min=9.7km az=74.0.
ISC XII 11 10 38 17.5–2.0 10.70N–.08 126.1E–.10 43–24 3.6b 13 1-52
ISCJB XII 11 10 38 16.4–1.8 10.68N–.08 126.1E–.10 51–20 3.6b **¶12076904**
MAN XII 11 10 38 17 10.61N 126.01E 26 4.6b,3.5L
IDC XII 11 10 38 18.2–2.1 8.18N 120.92E 0 3.8,3.6b
ISCJB Error ellipse: s-maj=21.2km s-min=13.6km az=14.1.
IDC Error ellipse: s-maj=307.9km s-min=26.2km az=62.0.
IDC XII 14 11 39 44.2–1.3 5.50N 127.56E 0 3.6,3.4b
¶12077442
IDC Error ellipse: s-maj=71.5km s-min=27.7km az=71.0.
ISC XII 16 19 33 49.6–3.6 19.86N–.07 121.47E–.10 32–28 3.7b 29 4-87
ISCJB XII 16 19 33 44.9–4.9 19.82N–.07 121.45E–.10 12–32 3.7b **¶12077795**
NEIC XII 16 19 33 49.8–2.9 19.85N 121.47E 33–22 4.1b
IDC XII 16 19 33 51.6–3.5 19.88N 121.52E 49–36 3.8L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=12.1km az=9.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.4km az=101.0.
IDC Error ellipse: s-maj=24.7km s-min=14.7km az=73.0.
MAN XII 18 12 03 47 18.20N 119.81E 1 4.9b,3.9s
¶13759193
ISC XII 20 03 17 34.4–.91 10.26N–.04 126.27E–.07 58–8 4.2b 56 1-164
IDC XII 20 03 17 26.8–.67 10.32N 126.29E 0 5.0L,4.4 **¶12078282**
ISCJB XII 20 03 17 33.2–.88 10.25N–.04 126.28E–.07 64–7 4.2b,4.4
NEIC XII 20 03 17 33.4–1.8 10.25N 126.19E 46–15 4.4b,4.4
MAN XII 20 03 17 34 10.24N 126.20E 29 4.9b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=13.1km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=6.2km az=167.2.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=6.6km az=63.0.
ISC XII 20 19 49 54.4–3.9 13.3N–.20 125.3E–.30 44–34 3.5b 10 1-49
IDC XII 20 19 49 48.3–1.4 13.25N 125.37E 0 3.7,3.6b **¶12078376**
ISCJB XII 20 19 49 53.2–3.4 13.3N–.20 125.4E–.30 52–27 3.5b,3.6b
IDC XII 22 01 41 04.2–1.0 20.10N 122.42E 0 4.5L,3.9
¶12078506
IDC Error ellipse: s-maj=44.4km s-min=19.3km az=71.0.
MAN XII 24 19 54 23 8.81N 127.11E 88 4.8b,3.8s
¶13762340
IDC XII 25 10 33 06.1–1.2 5.08N 127.70E 0 3.9,3.7b
¶12078920
IDC Error ellipse: s-maj=71.6km s-min=23.1km az=71.0.
ISC XII 26 20 45 46.0–.52 13.81N–.03 119.94E–.05 51–6 4.4b,3.5s 79 0-152
ISCJB XII 26 20 45 44.7–.53 13.81N–.03 119.91E–.05 54–6 4.4b,3.5s **¶12079096**
MAN XII 26 20 45 44 13.75N 119.79E 33 5.0b,4.1s
NEIC XII 26 20 45 46.6–.76 13.89N 120.07E 58–7 4.6b,4.1s
IDC XII 26 20 45 47.4–1.7 13.92N 120.16E 60–15 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.1km az=179.3.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=73.0.
IDC Error ellipse: s-maj=24.4km s-min=11.5km az=67.0.
ISC XII 27 17 58 38.9–2.1 20.03N–.05 121.5E–.10 1–13 3.5b 24 2-87
IDC XII 27 17 58 38.9–.98 20.03N 121.49E 0 3.7,3.6L **¶12079198**
NEIC XII 27 17 58 40.1–.57 19.99N 121.47E 10 3.8b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=19.7km az=66.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=8.6km az=85.0.
IDC XII 30 20 19 16.5–2.3 9.34N 127.47E 0 3.7,3.5b
¶12079588
IDC Error ellipse: s-maj=228.3km s-min=22.0km az=68.0.

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MAN VII 01 13 14 02 18.11N 120.73E 2 4.5b,3.3L
¶13693709
MAN VII 05 18 46 35 16.51N 120.55E 15 4.5b,3.3L
¶13728068
MAN VII 06 13 49 43 15.22N 121.90E 14 4.7b,3.6s
¶13728072
MAN VII 06 14 01 39 15.77N 120.63E 5 4.7b,3.5s
¶13728073
ISC VII 07 12 06 01.2–.95 18.66N–.07 121.78E–.09 35 3.4b 14 1-47
MAN VII 07 12 05 54 18.94N 121.57E 1 4.7b,3.6s **¶12698061**
IDC VII 07 12 05 55.1–4.5 18.86N 122.44E 0 3.6,3.5b
ISCJB VII 07 12 05 59.6–.97 18.73N–.06 121.78E–.10 33 3.4b,3.5b
MAN VII 07 16 40 33 15.50N 121.43E 12 3.5b,2.2L
¶13728086
ISC VII 08 19 08 27.3–.70 18.75N–.05 120.7E–.10 90–9 3.9b 32 0-59
BJI VII 08 19 08 18.8 18.90N 121.10E 89 4.1b,4.1b **¶11479907**
MAN VII 08 19 08 25 18.77N 120.58E 87 4.9b,3.9s
ISCJB VII 08 19 08 26.4–.70 18.73N–.06 120.6E–.10 100–9 3.9b,3.9s
NEIC VII 08 19 08 26.5–1.0 18.93N 121.13E 90–11 4.4b,3.9s
IDC VII 08 19 08 30.0–3.1 18.64N 120.47E 116–32 3.6,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=9.2km az=1.1.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=7.6km az=74.0.
IDC Error ellipse: s-maj=32.9km s-min=13.1km az=72.0.
MAN VII 08 22 01 52 18.40N 121.05E 1 4.0b,2.8L
¶13728098
ISC VII 10 19 05 44.7–1.1 16.23N–.04 122.59E–.06 8–7 3.9b 32 1-79
IDC VII 10 19 05 42.9–.92 16.13N 122.47E 0 4.0,3.8b **¶11811196**
MAN VII 10 19 05 46 16.23N 122.58E 19 5.1b,4.3s
NEIC VII 10 19 05 47.4–.77 16.26N 122.81E 35 4.3b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=65.2km s-min=16.2km az=73.0.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=11.8km az=79.0.
ISC VII 12 02 52 07.4–.79 16.30N–.08 122.7E–.20 35 3.8b 12 3-86
IDC VII 12 02 52 02.6–1.3 16.16N 122.34E 0 3.9,3.8b **¶11811323**
ISCJB VII 12 02 52 05.4–.79 16.31N–.08 122.7E–.10 33 3.8b,3.8b
NEIC VII 12 02 52 08.1–.94 16.00N 122.04E 35 4.2b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=183.5km s-min=20.0km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=10.1km az=13.5.
NEIC Event type se. Error ellipse: s-maj=105.0km s-min=13.2km az=64.0.
IDC VII 12 03 21 14.9–1.3 14.95N 122.74E 0 4.1,3.9b
¶12698151
IDC Error ellipse: s-maj=31.2km s-min=21.8km az=55.0.
MAN VII 13 17 10 11 12.39N 123.63E 26 4.2b,3.0L
¶13728130
MAN VII 15 02 55 30 16.10N 121.97E 28 4.8b,3.8s
¶13728141
MAN VII 15 19 04 09 16.82N 120.27E 19 3.9b,2.6L
¶13728148
MAN VII 16 06 35 55 16.88N 122.46E 0 4.1b,2.9L
¶13728150
MAN VII 16 12 17 35 15.56N 121.24E 3 4.1b,2.9L ¶13728152
MAN Event type fe. INTENSITY III - BARRIO ATATE PALAYAN CITY; INTENSITY II - BARRIO SINGALAT PALAYAN CITY; PANSOL LAGUNA.
MAN VII 16 16 07 56 17.31N 120.41E 38 4.4b,3.3L
¶13728154
MAN VII 17 07 19 08 14.99N 121.65E 10 4.6b,3.5s
¶13728159
MAN VII 18 18 16 46 18.02N 120.14E 24 4.4b,3.3L
¶13728165
MAN VII 18 18 19 05 16.86N 121.85E 32 4.7b,3.6s
¶13728166
MAN VII 19 19 26 13 13.43N 124.84E 89 5.2b,4.3s
¶13728179
MAN VII 20 12 04 08 13.87N 122.66E 3 3.9b,2.6L
¶13728189
ISC VII 20 13 21 32.9–.67 15.40N–.04 119.84E–.07 35–17 3.5b,2.7s 29 0-41
IDC VII 20 13 21 30.3–3.2 15.35N 120.09E 35–29 3.5,3.3 **¶12698350**
ISCJB VII 20 13 21 31.5–.61 15.37N–.04 119.79E–.07 41–12 3.5b,2.7s
MAN VII 20 13 21 31 15.41N 119.71E 32 4.8b,3.7s
IDC Error ellipse: s-maj=59.3km s-min=24.6km az=56.0.
ISCJB Error ellipse: s-maj=10.6km s-min=6.0km az=178.5.
MAN VII 20 19 43 25 13.88N 122.56E 1 4.1b,2.9L
¶13728193
MAN VII 20 20 07 06 14.19N 123.05E 45 4.3b,3.2L
¶13728194
MAN VII 21 13 07 39 17.96N 121.07E 18 4.9b,3.9s
¶13728200
MAN VII 21 15 29 01 15.27N 120.40E 1 4.7b,3.6s
¶13728204
MAN VII 22 00 02 29 18.59N 120.43E 8 4.5b,3.3L

¶13728209
MAN VII 22 16 09 45 15.24N 121.87E 62 4.5b,3.3L
¶13728210
MAN VII 23 11 21 56 16.85N 120.67E 8 4.3b,3.1L
¶13728214
MAN VII 25 00 48 47 18.93N 121.22E 0 4.5b,3.3L
¶13728224
MAN VII 26 16 17 43 12.75N 123.12E 4 3.8b,2.6L
¶13728231
MAN VII 28 08 28 24 12.83N 123.67E 23 4.3b,3.2L
¶13728242
MAN VII 28 08 41 03 18.43N 120.66E 78 4.2b,3.0L
¶13728243
ISC VII 28 10 57 38.6–.73 12.72N–.04 123.58E–.04 7–6 3.5b 21 0-48
IDC VII 28 10 57 36.2–3.5 12.97N 124.33E 0 3.7,3.5b ¶12698466
MAN VII 28 10 57 37 12.75N 123.61E 1 4.5b,3.4L
ISCJB VII 28 10 57 38.8–.80 12.68N–.05 123.54E–.05 15–9 3.5b,3.4L
MAN VII 28 11 12 32 12.74N 123.53E 1 4.3b,3.1L
¶13728244
MAN VIII 02 16 30 05 16.61N 122.37E 22 4.8b,3.7s
¶13728271
MAN VIII 03 01 06 35 18.39N 120.72E 19 4.5b,3.3L
¶13728276
MAN VIII 03 10 38 40 16.86N 120.17E 33 4.7b,3.6s
¶13728277
MAN VIII 05 00 16 41 16.93N 120.10E 20 4.4b,3.2L
¶13728285
MAN VIII 05 13 46 38 17.60N 122.57E 14 4.3b,3.2L
¶13728286
MAN VIII 05 15 52 15 13.50N 123.22E 7 4.2b,3.1L
¶13728288
MAN VIII 06 00 40 22 17.62N 120.61E 13 4.6b,3.5s
¶13728294
MAN VIII 06 20 39 07 14.12N 121.21E 3 4.6b,3.4L
¶13728298
MAN Event type fe. INTENSITY III - LIPA BATANGAS; BINAN LAGUNA; LOS BANOS LAGUNA.
ISC VIII 07 06 03 29.0–.21 15.09N–.02 120.58E–.04 154–2 4.8b 243 1-169
BJI VIII 07 06 03 25.7 14.89N 120.71E 156 4.7b,4.7b ¶13391057
ISCJB VIII 07 06 03 28.0–.21 15.08N–.02 120.61E–.04 162–2 4.8b,4.7b
MAN VIII 07 06 03 27 15.09N 120.35E 140 4.8b,4.7b
MOS VIII 07 06 03 28.2–.90 15.06N 120.62E 165 4.7b,4.7b
NEIC VIII 07 06 03 28.5–.41 15.06N 120.68E 155–3 4.8b,4.7b
IDC VIII 07 06 03 29.1–.47 15.02N 120.64E 161–4 4.3b,4.3
DJA VIII 07 06 03 31 15.40N 120.81E 201 4.7b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.5km az=165.9.
MOS Error ellipse: s-maj=16.2km s-min=5.8km az=126.1.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.0km az=82.0.
IDC Error ellipse: s-maj=15.9km s-min=8.4km az=67.0.
MAN VIII 07 23 24 08 17.90N 120.87E 30 4.0b,2.7L
¶13728305
MAN VIII 09 07 31 35 17.91N 120.87E 10 3.9b,2.6L
¶13728316
ISC VIII 10 10 07 43.3–.39 15.49N–.05 120.68E–.09 180–4 3.8b 31 1-86
ISCJB VIII 10 10 07 42.4–.39 15.49N–.05 120.66E–.09 186–4 3.8b ¶11908026
MAN VIII 10 10 07 42 15.55N 120.60E 175 5.0b,4.1s
NEIC VIII 10 10 07 43.5–.51 15.45N 120.94E 193–5 4.5b,4.1s
IDC VIII 10 10 07 43.7–.79 15.43N 120.91E 193–9 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=7.4km az=174.4.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.4km az=83.0.
IDC Error ellipse: s-maj=29.6km s-min=14.9km az=66.0.
MAN VIII 14 16 04 56 17.69N 120.75E 17 3.8b,2.6L
¶13728347
ISC VIII 15 10 25 18.3–.11 13.10N–.01 124.35E–.02 15 5.7s,5.7b 900 1-174
BJI VIII 15 10 25 14.1 13.03N 124.46E 10 6.1b,6.0s ¶11165780
IDC VIII 15 10 25 14.2–.40 12.90N 124.32E 0 5.5s,5.5
MAN VIII 15 10 25 16 13.04N 124.32E 7 6.1b,5.8s
NEIC VIII 15 10 25 16.5–.17 12.90N 124.32E 10 5.9W,5.9W
ISCJB VIII 15 10 25 16.4–.11 13.11N–.01 124.39E–.02 14 5.7s,5.7b
TEH VIII 15 10 25 17.0 12.90N 124.29E 10 5.7s,5.7b
GCMT VIII 15 10 25 19.0–.10 13.07N 124.37E 15 6.0W,5.7b
MOS VIII 15 10 25 21.0–1.0 13.45N 124.17E 33 5.9b,5.7s
DJA VIII 15 10 25 24 13.09N 124.60E 73 6.2W,5.7s
SZGRF VIII 15 10 25 27.1 14.30N 124.82E 33 6.2s,5.7b
ISC Event type de.
IDC Error ellipse: s-maj=12.5km s-min=9.9km az=44.0.
MAN Event type fe. INTENSITY VI - LEGASPI CITY; VIRAC CATANDUANES; INTENSITY V - SORSOGON CITY; IROSIN SORSOGON; INTENSITY IV - LIGNON HILL; INTENSITY III - NAGA CITY; BULAN SORSOGON; ROXAS CITY; MASBATE CITY; CATARMAN SAMAR; INTENSITY II - SILAY NEGROS OCCIDENTAL; TACLOBAN CITY; BORONGAN SAMAR.
NEIC Event type de. Error ellipse: s-maj=5.9km s-min=4.4km az=67.0. Minor damage at Legaspi, Luzon. Felt [VI PIVS] at Legaspi; [V PIVS] at Irosin and Sorsogon; [III PIVS] at Bulan and Naga; [II PIVS] at Guinayangan, Luzon. Also felt at Manila. Felt [VI PIVS] at Virac, Catanduanes. Felt [III PIVS] at Catarman and [II PIVS] at Borongan, Samar. Also felt [III PIVS] at Masbate, Masbate and at Roxas City, Panay. Felt [II PIVS] at Silay, Negros and at Tacloban, Leyte. Moment Tensor Solution. s38 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s14.00000°,δ82.00000° ,λ176.00000°. NP2:ϕ_s105.00000°,δ86.00000°,λ8.00000°. Principal axes: T 1.0500,Plg8.0000°,Azm329.0000°; N -0.1100,Plg80.0000°,Azm133.0000° ; P -0.9400,Plg2.0000°,Azm239.0000° $M_0$1.00000×10^{18}
ISCJB Event type de. Error ellipse: s-maj=2.8km s-min=1.8km az=177.8.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=255, per= 50. Moment Tensor Solution. s104,c225; s76,c113; Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s202.00000° ,δ81.00000°,λ-173.00000°. NP2:ϕ_s111.00000°,δ83.00000°,λ-9.00000°. Principal axes: T 1.3300,Plg1.0000°,Azm156.0000°; N -0.2500,Plg79.0000°,Azm251.0000° ; P -1.0700,Plg11.0000°,Azm66.0000° $M_0$1.20000×10^{18}
MOS Error ellipse: s-maj=8.3km s-min=4.4km az=118.7.
SZGRF Luzon, Philippine Islands.
MAN VIII 15 11 27 35 13.13N 124.51E 6 4.6b,3.4L
¶13728358
MAN VIII 15 12 41 19 13.13N 124.40E 8 4.6b,3.4s
¶13728359
MAN VIII 15 14 58 22 17.40N 121.43E 24 4.7b,3.6s
¶13728360
MAN VIII 15 17 53 53 13.17N 124.56E 3 4.8b,3.8s
¶13728361
IDC VIII 15 18 15 22.3–3.6 12.69N 123.66E 0 3.5,3.3b
¶12581107
IDC Error ellipse: s-maj=318.0km s-min=28.3km az=64.0.
ISC VIII 15 18 58 34.5–2.3 13.1N–.10 124.7E–.20 38–22 3.6b 14 1-90
IDC VIII 15 18 58 30.7–3.0 12.55N 123.64E 0 3.8,3.6b ¶12581109
ISCJB VIII 15 18 58 33.0–2.3 13.2N–.10 124.7E–.20 45–21 3.6b,3.6b
MAN VIII 15 18 58 37 13.22N 124.19E 87 4.8b,3.7s
IDC Error ellipse: s-maj=299.6km s-min=21.6km az=64.0.
ISCJB Error ellipse: s-maj=30.0km s-min=13.9km az=154.2.
IDC VIII 15 19 05 51.5–2.6 13.04N 124.60E 0 3.5,3.3b
¶12581110
IDC Error ellipse: s-maj=263.9km s-min=23.3km az=66.0.
ISC VIII 15 21 53 47.3–1.0 13.02N–.03 124.49E–.05 10–6 4.2b,3.5s 62 1-154
IDC VIII 15 21 53 44.9–.65 13.00N 124.57E 0 4.5L,4.1 ¶11652943
BJI VIII 15 21 53 45.7 13.06N 124.54E 10 4.6b,4.3b
NEIC VIII 15 21 53 46.5–.32 12.90N 124.50E 10 4.5b,4.3b
MAN VIII 15 21 53 47 13.02N 124.30E 1 5.4b,4.5s
ISCJB VIII 15 21 53 48.2–.94 13.04N–.03 124.49E–.05 30–7 4.2b,3.5s
ISC Event type fe.
NEIC Event type fe. Felt [II PIVS] at Catarman. Also felt [II PIVS] at Virac, Catanduanes and at Legaspi, Luzon.
MAN Event type fe. INTENSITY II - LEGASPI CITY; CATARMAN SAMAR; VIRAC CATANDUANES.
ISCJB Event type fe.
MAN VIII 15 22 42 13 13.43N 124.28E 12 4.2b,3.1L
¶13728363
MAN VIII 16 01 24 47 15.27N 121.98E 36 3.9b,2.7L
¶13728368
ISC VIII 16 04 38 54.0–1.9 13.24N–.09 124.7E–.10 13–9 3.7b 9 1-49
ISCJB VIII 16 04 38 53.6–2.1 13.3N–.10 124.8E–.10 25–12 3.7b ¶12581120
IDC VIII 16 04 38 53.5–3.3 12.85N 124.32E 0 3.8,3.6b
MAN VIII 16 04 38 54 13.21N 124.64E 11 4.4b,3.2L
ISCJB Error ellipse: s-maj=24.8km s-min=10.0km az=143.5.
IDC Error ellipse: s-maj=272.7km s-min=26.3km az=64.0.
ISC VIII 16 05 43 35.8–1.4 13.18N–.09 124.5E–.10 7–8 3.5b 9 1-49
ISCJB VIII 16 05 43 34.7–1.6 13.2N–.10 124.6E–.10 9–11 3.5b ¶12581121
IDC VIII 16 05 43 36.8–3.4 12.61N 123.82E 0 3.6,3.5b
ISCJB Error ellipse: s-maj=28.0km s-min=7.8km az=143.8.
IDC Error ellipse: s-maj=295.1km s-min=28.7km az=64.0.
MAN VIII 16 18 18 14 18.55N 120.64E 16 4.1b,2.9L
¶13728370
ISC VIII 16 20 43 50.1–.89 13.03N–.03 124.42E–.04 10–5 4.2b,3.4s 61 1-89
IDC VIII 16 20 43 47.6–.64 12.96N 124.54E 0 4.5L,4.1 ¶11652956
ISCJB VIII 16 20 43 49.8–.92 13.06N–.03 124.46E–.05 22–7 4.2b,3.4s
NEIC VIII 16 20 43 49.1–.48 12.91N 124.49E 10 4.5b,3.4s
MAN VIII 16 20 43 49 13.11N 124.36E 11 5.0b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=30.7km s-min=13.7km az=66.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=4.9km az=174.1.
NEIC Event type fe. Error ellipse: s-maj=13.1km s-min=8.6km az=79.0. Felt [II PIVS] at Sorsogon, Luzon.
MAN Event type fe. INTENSITY II - SORSOGON CITY.
ISC VIII 16 21 12 28.6–1.0 13.0N–.20 124.3E–.40 10 3.3b 5 1-49
ISCJB VIII 16 21 12 26.9–1.2 12.9N–.10 124.1E–.20 10 3.3b ¶12581136
IDC VIII 16 21 12 27.9–3.5 12.75N 123.89E 0 3.6,3.4b
ISCJB Error ellipse: s-maj=30.4km s-min=12.8km az=159.1.
IDC Error ellipse: s-maj=305.8km s-min=28.7km az=64.0.
MAN VIII 16 21 13 02 17.36N 120.23E 28 4.3b,3.1L
¶13728371
IDC VIII 16 23 56 07.7–2.4 14.76N 119.64E 77–25 3.5,3.3b
¶12581138
IDC Error ellipse: s-maj=44.3km s-min=21.1km az=48.0.
ISC VIII 17 00 05 35.8–1.2 13.01N–.04 124.42E–.06 2–7 4.0b 29 1-87
IDC VIII 17 00 05 35.0–.95 12.98N 124.62E 0 4.0,3.9 ¶11908327
ISCJB VIII 17 00 05 36.1–1.4 13.01N–.05 124.48E–.06 15–10 4.0b,3.9
NEIC VIII 17 00 05 36.1–.83 13.01N 124.72E 10 4.4b,3.9
MAN VIII 17 00 05 39 12.81N 124.34E 17 4.7b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=17.9km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.4km az=160.8.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=14.9km az=58.0.
ISC VIII 17 02 38 22.4–1.3 13.18N–.08 124.5E–.10 3–8 3.5b 10 1-49
ISCJB VIII 17 02 38 21.4–1.3 13.20N–.08 124.6E–.10 7–8 3.5b ¶12581140
IDC VIII 17 02 38 22.7–1.4 12.51N 123.36E 0 3.7,3.5b
MAN VIII 17 02 38 22 13.23N 124.55E 10 4.5b,3.3L
ISCJB Error ellipse: s-maj=22.7km s-min=6.6km az=148.9.
IDC Error ellipse: s-maj=168.6km s-min=20.8km az=68.0.
ISC VIII 17 04 12 33.7–.93 13.04N–.03 124.39E–.05 9–5 4.2b,3.8s 59 1-98
BJI VIII 17 04 12 31.6 12.98N 124.47E 12 4.7b,4.6b ¶11652961
IDC VIII 17 04 12 31.8–.77 13.01N 124.37E 0 4.7L,4.2
MAN VIII 17 04 12 32 13.02N 124.30E 2 5.0b,4.0s
NEIC VIII 17 04 12 33.1–.32 13.00N 124.37E 10 4.5b,4.0s
ISC Event type fe.
IDC Error ellipse: s-maj=31.2km s-min=15.9km az=65.0.
MAN Event type fe. INTENSITY II - IROSIN SORSOGON; BOBON CATARMAN SAMAR.
NEIC Event type fe. Error ellipse: s-maj=13.3km s-min=6.1km az=61.0. Felt [II PIVS] at Bobon and Catarman. Also felt [II PIVS] at Irosin, Luzon.
ISC VIII 17 04 19 00.2–.83 13.1N–.10 124.4E–.30 35 3.7b 10 1-53
ISCJB VIII 17 04 18 59.8–.73 13.06N–.09 124.3E–.20 33 3.7b ¶12581144
IDC VIII 17 04 18 59.3–1.4 12.52N 123.57E 0 3.8,3.6b
ISCJB Error ellipse: s-maj=26.3km s-min=6.8km az=155.3.
IDC Error ellipse: s-maj=67.6km s-min=21.1km az=63.0.
ISC VIII 17 06 28 59.4–.70 13.02N–.03 124.38E–.04 28–5 4.5b,3.9s 98 1-117
IDC VIII 17 06 28 54.6–.61 12.94N 124.37E 0 4.3,4.3 ¶11652964
BJI VIII 17 06 28 55.4 12.71N 124.44E 29 4.9b,4.6b
MAN VIII 17 06 28 56 13.03N 124.37E 11 4.9b,3.9s
ISCJB VIII 17 06 28 58.4–.58 13.05N–.03 124.39E–.04 33–4 4.5b,3.9s
NEIC VIII 17 06 28 59.7–.35 13.02N 124.33E 31 4.7b,3.9s
DJA VIII 17 06 29 07 13.19N 124.38E 65 4.8b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=25.1km s-min=14.7km az=66.0.
MAN Event type fe. INTENSITY II - CABID-AN IROSIN SORSOGON; LEGASPI CITY.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.1km az=171.2.
NEIC Event type fe. Error ellipse: s-maj=11.3km s-min=7.0km az=66.0. Felt [II PIVS] at Irosin and Legaspi, Luzon.
ISC VIII 17 06 32 12.3–.86 13.09N–.08 124.4E–.10 14–7 3.7b 11 1-83
IDC VIII 17 06 32 10.4–2.3 12.96N 124.29E 0 3.8,3.6 ¶12581147
ISCJB VIII 17 06 32 11.9–.98 13.13N–.08 124.5E–.10 26–7 3.7b,3.6
MAN VIII 17 06 32 11 13.06N 124.29E 1 4.3b,3.1L
IDC Error ellipse: s-maj=226.6km s-min=20.4km az=66.0.
ISCJB Error ellipse: s-maj=23.2km s-min=6.7km az=148.5.
MAN VIII 17 10 28 01 13.10N 124.40E 3 4.4b,3.3L
¶13728374
ISC VIII 17 14 40 10.7–.99 13.06N–.03 124.38E–.06 2–6 4.2s,3.8b 24 1-90
ISCJB VIII 17 14 40 10.7–1.1 13.08N–.04 124.43E–.07 15–8 4.2s,3.8b ¶11167629
IDC VIII 17 14 40 10.4–1.3 12.86N 124.14E 0 4.1L,4.1s
MAN VIII 17 14 40 10 13.08N 124.31E 1 4.1L,4.1s
NEIC VIII 17 14 40 11.7–.67 12.92N 124.25E 10 4.6b,4.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.9km az=177.7.
IDC Error ellipse: s-maj=70.9km s-min=19.3km az=64.0.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=10.7km az=59.0.
ISC VIII 17 14 41 11.9–.48 13.02N–.03 124.31E–.04 47–4 4.8b,4.2s 235 1-168
IDC VIII 17 14 41 04.7–.53 12.95N 124.40E 0 4.5,4.4 ¶11908357
MAN VIII 17 14 41 06 13.05N 124.31E 10 5.0b,4.0s
NEIC VIII 17 14 41 06.8–.31 12.99N 124.30E 10 4.9b,4.0s
GCMT VIII 17 14 41 07.5–.30 13.09N 124.36E 12 4.7W,4.0s
MOS VIII 17 14 41 08.5–.94 13.04N 124.34E 33 5.1b,4.0s
ISCJB VIII 17 14 41 09.8–.51 13.06N–.02 124.34E–.04 43–4 4.8b,4.2s
BJI VIII 17 14 41 11.5 12.86N 124.28E 68 4.8b,4.7b
DJA VIII 17 14 41 13 13.26N 124.40E 45 5.0b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=22.2km s-min=13.1km az=70.0.
MAN Event type fe. INTENSITY II - CABID-AN IROSIN SORSOGON.
NEIC Event type fe. Error ellipse: s-maj=9.8km s-min=6.9km az=73.0. Felt [II PIVS] at Irosin, Luzon.
GCMT Event type se. Data Used: IC IU II G CN. Moment Tensor Solution. s14,c14; s60,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.76±.08 $M_{\theta\theta}$1.43±.05; $M_{\phi\phi}$-0.67±.07; $M_{r\theta}$0.00±.20; $M_{\theta\phi}$1.01±.05; $M_{\phi r}$0.31±.23; Best double couple: NP1:ϕ_s109.00000°,δ67.00000°,λ-21.00000°. NP2:ϕ_s208.00000°,δ71.00000°,λ-155.00000°. Principal axes: T 1.8400,Plg3.0000° ,Azm338.0000°; N -0.5900,Plg59.0000°,Azm243.0000°; P -1.2500,Plg31.0000° ,Azm69.0000° $M_0$1.60000×10^{16}
MOS Error ellipse: s-maj=13.5km s-min=6.6km az=122.4.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.9km az=162.1.
MAN VIII 17 15 52 00 13.17N 124.46E 4 4.6b,3.5L
¶13728375
ISC VIII 17 19 58 14.2–.74 13.09N–.03 124.40E–.06 17–5 3.9b 40 1-87
IDC VIII 17 19 58 10.6–1.0 13.11N 124.68E 0 3.9,3.8 ¶11652972
MAN VIII 17 19 58 12 13.15N 124.36E 22 5.2b,4.4s
ISCJB VIII 17 19 58 13.9–.68 13.11N–.03 124.42E–.06 29–5 3.9b,4.4s
BJI VIII 17 19 58 15.0 13.00N 124.50E 46 4.6b,4.4s
NEIC VIII 17 19 58 17.0–2.0 13.02N 124.54E 46–18 4.4b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=17.7km az=67.0.

ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.8km az=168.1.
NEIC Event type se. Error ellipse: s-maj=34.0km s-min=8.9km az=57.0.
ISC VIII 17 20 46 49.9–.31 13.06N–.02 124.39E–.03 39–2 5.2b,5.1s 485 1-167
IDC VIII 17 20 46 43.9–.40 13.01N 124.33E 0 4.9,4.9b **¶11167639**
NEIC VIII 17 20 46 45.6–.14 12.97N 124.30E 10 5.2b,4.9b
ISCJB VIII 17 20 46 46.7–.54 13.10N–.02 124.41E–.02 27–3 5.2b,5.1s
MAN VIII 17 20 46 46 13.08N 124.28E 13 5.7b,5.2s
BJI VIII 17 20 46 46.2 12.99N 124.43E 29 5.4s,5.3b
DJA VIII 17 20 46 48 13.31N 124.35E 10 5.4b,5.3b
GCMT VIII 17 20 46 48.0–.10 13.11N 124.34E 14–0 5.4W,5.3b
MOS VIII 17 20 46 49.4–.90 13.36N 124.23E 33 5.4b,5.2s
ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=10.1km az=71.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.7km az=66.0. Felt [IV PIVS] at Virac, Catanduanes. Felt [III PIVS] at Legaspi and Sorsogon, Luzon.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=170.2.
MAN Event type fe. INTENSITY IV - VIRAC CATANDUANES; INTENSITY III - SORSOGN CITY LEGASPI CITY; INTENSITY II - LIGNON HILL.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 104 sta. Moment Tensor Solution. s90,c161; s99,c207; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36±.03 $M_{\theta\theta}$1.38±.03; $M_{\phi\phi}$-1.02±.03; $M_{r\theta}$0.15±.05; $M_{\theta\phi}$1.39±.02; $M_{\phi r}$0.11±.05; Best double couple: NP1: ϕ_s110.00000°,δ86.00000°,λ2.00000°. NP2:ϕ_s20.00000°,δ88.00000°,λ176.00000°. Principal axes: T 2.0300,Plg4.0000°,Azm335.0000°; N -0.3800,Plg85.0000°,Azm176.0000°; P -1.6600,Plg2.0000°,Azm65.0000° $M_0$1.80000×10^{17}
MOS Error ellipse: s-maj=9.2km s-min=5.0km az=118.6.
ISC VIII 17 20 50 56.0–.85 13.17N–.05 124.34E–.09 35 3.9b 11 0-58
IDC VIII 17 20 50 53.9–2.9 13.24N 124.87E 0 3.9,3.8b **¶12581162**
ISCJB VIII 17 20 50 56.4–.69 13.12N–.05 124.35E–.09 33 3.9b,3.8b
MAN VIII 17 20 52 37 13.13N 124.41E 30 4.6b,3.4s
¶13728377
ISC VIII 20 09 37 32.8–.41 14.94N–.03 119.91E–.03 58–4 4.7b,4.4s 232 1-172
IDC VIII 20 09 37 24.6–.40 14.97N 119.98E 0 4.6,4.5 **¶13392184**
MOS VIII 20 09 37 28.1–1.2 14.98N 120.05E 33 5.1b,4.5s
NEIC VIII 20 09 37 30.0–.23 14.91N 120.00E 35 4.9b,4.5s
MAN VIII 20 09 37 29 14.98N 119.62E 20 5.3b,4.5s
BJI VIII 20 09 37 30.2 14.62N 119.84E 60 4.8b,4.6s
ISCJB VIII 20 09 37 31.5–.45 14.92N–.03 119.89E–.03 61–4 4.7b,4.6s
GCMT VIII 20 09 37 32.3–.20 15.06N 119.60E 29–0 5.1W,4.6s
DJA VIII 20 09 38 06 14.86N 118.48E 199 4.5b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=10.4km az=75.0.
MOS Error ellipse: s-maj=11.1km s-min=5.5km az=117.9.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.2km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=162.6.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s51,c65; s71,c102; Moment tensor: Scale 10^{16}Nm; M_{rr}3.29±.16 $M_{\theta\theta}$0.98±.11; $M_{\phi\phi}$-4.28±.12; $M_{r\theta}$-0.49±.19; $M_{\theta\phi}$-0.34±.08; $M_{\phi r}$-2.93±.19; Best double couple: NP1:ϕ_s357.00000°,δ26.00000°,λ80.00000°. NP2:ϕ_s188.00000°,δ64.00000°,λ95.00000°. Principal axes: T 4.3300,Plg70.0000°,Azm109.0000°; N 0.9800,Plg4.0000°,Azm6.0000°; P -5.3200,Plg19.0000°,Azm275.0000° $M_0$4.80000×10^{16}
ISC VIII 20 13 18 06.5–.33 13.05N–.02 124.41E–.03 43–3 5.2b,4.8s 474 1-167
IDC VIII 20 13 17 59.6–.38 12.94N 124.38E 0 5.0,5.0 **¶11180567**
MAN VIII 20 13 18 02 13.04N 124.35E 13 5.7b,5.2s
BJI VIII 20 13 18 03.2 12.89N 124.49E 44 5.3b,5.0s
MOS VIII 20 13 18 03.4–1.0 12.99N 124.36E 33 5.4b,4.8s
ISCJB VIII 20 13 18 04.0–.37 13.06N–.02 124.45E–.02 35–3 5.2b,4.8s
GCMT VIII 20 13 18 04.8–.10 13.11N 124.36E 22–1 5.3W,4.8s
NEIC VIII 20 13 18 05.2–.65 12.95N 124.32E 36–5 5.2b,5.0s
TEH VIII 20 13 18 06.0 12.91N 124.30E 35 5.2b,5.0s
DJA VIII 20 13 18 16 13.10N 124.38E 125 5.4W,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=17.1km s-min=10.2km az=69.0.
MAN Event type fe. INTENSITY V - CABID-AN SORSOGON CITY; INTENSITY IV - LEGASPI CITY; INTENSITY III - LIGNON HILL.
MOS Error ellipse: s-maj=8.7km s-min=4.8km az=116.7.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.7km az=171.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s63,c102; s87,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.44±.17 $M_{\theta\theta}$3.74±.15; $M_{\phi\phi}$-3.31±.15; $M_{r\theta}$6.76±.44; $M_{\theta\phi}$6.24±.13; $M_{\phi r}$0.43±.25; Best double couple: NP1:ϕ_s11.00000°,δ48.00000°,λ178.00000°. NP2:ϕ_s102.00000°,δ89.00000°,λ42.00000°. Principal axes: T 10.8000,Plg29.0000°,Azm335.0000°; N -2.3000,Plg48.0000°,Azm104.0000°; P -8.5000,Plg27.0000°,Azm228.0000° $M_0$9.70000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.3km az=71.0. Felt [V PIVS] at Sorsogon and [IV PIVS] at Legaspi, Luzon.
ISC VIII 20 13 34 58.6–1.0 13.05N–.03 124.38E–.07 7–6 3.7b 28 1-78
IDC VIII 20 13 34 56.9–1.0 12.82N 124.11E 0 3.8,3.7 **¶11908491**
ISCJB VIII 20 13 34 58.6–1.0 13.07N–.03 124.41E–.07 21–7 3.7b,3.7
MAN VIII 20 13 34 58 13.09N 124.35E 13 5.0b,4.0s
NEIC VIII 20 13 35 02.1–.56 12.77N 124.01E 35 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=18.7km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=5.8km az=175.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=10.2km az=55.0.
ISC VIII 20 13 48 13.8–1.1 13.13N–.05 124.60E–.08 14–6 3.5b 21 1-78
IDC VIII 20 13 48 11.3–1.0 12.99N 124.52E 0 3.7,3.6b **¶11908493**
ISCJB VIII 20 13 48 13.6–1.1 13.11N–.06 124.63E–.08 26–7 3.5b,3.6b
MAN VIII 20 13 48 14 12.97N 124.29E 1 4.6b,3.5L
NEIC VIII 20 13 48 16.4–.65 12.95N 124.44E 35 4.6b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=71.6km s-min=19.2km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=6.8km az=150.0.
NEIC Event type se. Error ellipse: s-maj=45.0km s-min=12.6km az=69.0.
ISC VIII 20 16 58 18.0–1.4 13.02N–.05 124.49E–.06 4–8 3.7b 18 1-51
IDC VIII 20 16 58 16.6–1.6 12.97N 124.43E 0 3.8,3.7b **¶12581238**
ISCJB VIII 20 16 58 18.8–1.2 13.03N–.06 124.50E–.07 22–9 3.7b,3.7b
MAN VIII 20 16 58 18 13.15N 124.56E 10 4.9b,3.9s
IDC Error ellipse: s-maj=192.5km s-min=17.5km az=67.0.
ISCJB Error ellipse: s-maj=12.0km s-min=8.2km az=142.8.
ISC VIII 21 11 51 39.1–1.4 13.10N–.07 124.6E–.10 17–8 3.6b 16 1-78
IDC VIII 21 11 51 36.3–.90 13.01N 124.37E 0 3.8,3.7b **¶12581262**
ISCJB VIII 21 11 51 38.8–1.3 13.11N–.08 124.6E–.10 30–9 3.6b,3.7b
MAN VIII 21 11 51 38 13.13N 124.59E 15 4.7b,3.6s
IDC Error ellipse: s-maj=59.5km s-min=17.6km az=70.0.
ISCJB Error ellipse: s-maj=21.3km s-min=9.7km az=154.0.
MAN VIII 21 16 04 33 17.60N 122.57E 23 4.6b,3.5s
¶13728415
MAN VIII 21 17 21 56 13.32N 124.68E 17 4.7b,3.6s
¶13728416
MAN VIII 21 18 46 17 16.28N 120.74E 33 4.1b,2.9L
¶13728417
ISC VIII 23 05 39 40.4–1.0 13.25N–.07 124.8E–.10 35 3.8b 12 1-58
IDC VIII 23 05 39 34.0–1.4 13.54N 125.49E 0 4.8L,3.8b **¶12581309**
IDC Error ellipse: s-maj=66.8km s-min=20.2km az=63.0.
MAN VIII 25 01 42 48 15.29N 121.94E 35 3.8b,2.6L
¶13728447
ISC VIII 25 20 01 41.2–.80 14.90N–.04 119.29E–.08 46–10 4.0b 32 1-120
MAN VIII 25 20 01 38 14.88N 119.22E 15 4.6b,3.4L **¶11908801**
ISCJB VIII 25 20 01 39.6–.85 14.89N–.04 119.24E–.08 49–10 4.0b,3.4L
NEIC VIII 25 20 01 43.8–1.3 15.06N 119.78E 73–13 3.4b,3.4L
IDC VIII 25 20 01 44.5–1.9 15.04N 119.64E 78–18 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=6.4km az=1.6.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=10.6km az=56.0.
IDC Error ellipse: s-maj=34.5km s-min=13.1km az=58.0.
MAN VIII 27 01 42 48 15.29N 121.97E 33 4.5b,3.4L
¶13728463
ISC VIII 27 15 16 37.2–.90 16.96N–.03 120.11E–.07 2–7 3.2b 20 1-43
IDC VIII 27 15 16 34.2–1.6 16.78N 120.40E 0 3.4,3.3 **¶12581465**
ISCJB VIII 27 15 16 37.7–.89 16.94N–.03 120.06E–.07 17–9 3.2b,3.3
MAN VIII 27 15 16 37 16.99N 120.07E 9 4.6b,3.5s
IDC Error ellipse: s-maj=43.4km s-min=28.8km az=77.0.

ISCJB Error ellipse: s-maj=11.2km s-min=5.4km az=3.6.
ISC VIII 28 12 38 45.5–.96 13.02N–.04 124.55E–.06 23–7 4.0b 27 1-78
IDC VIII 28 12 38 41.8–.86 12.90N 124.47E 0 4.9L,4.0 **¶11909007**
MAN VIII 28 12 38 43 13.11N 124.66E 24 4.7b,3.7s
ISCJB VIII 28 12 38 45.1–.86 13.02N–.04 124.57E–.07 36–8 4.0b,3.7s
NEIC VIII 28 12 38 47.6–1.5 12.88N 124.42E 42–14 4.3b,3.7s
ISC Event type fe.
IDC Error ellipse: s-maj=29.5km s-min=16.3km az=63.0.
MAN Event type fe. INTENSITY II - CATARMAN NORTHERN SAMAR.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=6.1km az=157.8.
NEIC Event type fe. Error ellipse: s-maj=22.6km s-min=7.3km az=58.0. Felt [II PIVS] at Catarman.
MAN VIII 28 18 00 57 16.41N 121.85E 17 3.9b,2.7L
¶13728468
ISC VIII 29 09 47 37.2–.71 16.30N–.06 119.65E–.08 55–8 4.0b 27 0-118
IDC VIII 29 09 47 29.5–.71 16.30N 119.94E 0 4.2,4.0b **¶11909068**
ISCJB VIII 29 09 47 36.2–.72 16.31N–.06 119.65E–.08 63–8 4.0b,4.0b
MAN VIII 29 09 47 36 16.30N 119.72E 25 4.4b,3.3L
NEIC VIII 29 09 47 37.9–1.0 16.34N 119.91E 65–11 4.0b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=14.6km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=9.1km az=166.7.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=8.0km az=69.0.
MAN VIII 29 12 47 01 17.96N 120.77E 8 4.2b,3.0L
¶13728471
ISC VIII 30 12 04 52.9–.33 13.10N–.02 124.32E–.03 51–3 5.1b,4.7s 422 1-168
IDC VIII 30 12 04 44.9–.44 12.98N 124.32E 0 4.8,4.7 **¶11223919**
MAN VIII 30 12 04 47 13.05N 124.33E 7 5.7b,5.1s
MOS VIII 30 12 04 48.5–.98 13.06N 124.36E 33 5.4b,4.7s
BJI VIII 30 12 04 50.4 13.04N 124.41E 52 5.3b,5.1b
ISCJB VIII 30 12 04 50.3–.37 13.12N–.02 124.35E–.03 42–3 5.1b,4.7s
GCMT VIII 30 12 04 50.2–.20 13.11N 124.40E 23–0 5.2W,4.7s
DJA VIII 30 12 04 52 13.29N 124.32E 10 5.2b,4.7s
NEIC VIII 30 12 04 52.3–.59 13.01N 124.32E 50–5 5.1b,4.7s
ISC Event type fe.
IDC Error ellipse: s-maj=17.0km s-min=11.6km az=87.0.
MAN Event type fe. INTENSITY V - LEGASPI CITY; INTENSITY IV - SAN ANDRES CATANDUANES; CABID-AN SORSOGON; INTENSITY III - CATARMAN NORTHERN SAMAR; IROSIN SORSOGON; INTENSITY II - CATBALOGAN NORTHERN SAMAR.
MOS Error ellipse: s-maj=9.1km s-min=5.0km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.0km az=170.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c76; s87,c165; Moment tensor: Scale 10^{16}Nm; M_{rr}4.70±.24 $M_{\theta\theta}$0.73±.17; $M_{\phi\phi}$-5.44±.19; $M_{r\theta}$3.45±.30; $M_{\theta\phi}$6.38±.13; $M_{\phi r}$3.09±.31; Best double couple: NP1:ϕ_s113.00000°,δ57.00000°,λ33.00000°. NP2:ϕ_s3.00000°,δ63.00000°,λ142.00000°. Principal axes: T 9.3000,Plg45.0000°,Azm326.0000°; N 0.1800,Plg45.0000°,Azm153.0000°; P -9.4900,Plg4.0000°,Azm59.0000° $M_0$9.40000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.4km az=82.0. Felt [V PIVS] at Legaspi and [III PIVS] at Irosin, Luzon. Felt [IV PIVS] at San Andres, Catanduanes. Also felt [III PIVS] at Catarman and [II PIVS] at Catbalogan, Samar.
ISC VIII 30 13 18 30.5–1.6 13.06N–.08 124.6E–.10 15–10 3.5b 11 1-49
IDC VIII 30 13 18 29.1–4.0 12.71N 123.89E 0 3.6,3.5b **¶12581569**
MAN VIII 30 13 18 29 13.17N 124.58E 0 4.3b,3.2L
IDC Error ellipse: s-maj=360.1km s-min=27.2km az=64.0.
ISC VIII 31 00 29 38.9–.36 13.04N–.02 124.38E–.03 48–3 4.9b,4.1s 360 1-167
MAN VIII 31 00 29 34 13.01N 124.23E 0 5.6b,5.0s **¶11227311**
MOS VIII 31 00 29 35.6–.96 13.04N 124.35E 33 5.1b,4.0s
BJI VIII 31 00 29 35.5 12.99N 124.40E 36 4.9b,4.8b
ISCJB VIII 31 00 29 36.6–.41 13.06N–.02 124.43E–.03 42–3 4.9b,4.1s
NEIC VIII 31 00 29 37.2–.56 12.97N 124.39E 35–4 4.8b,4.1s
IDC VIII 31 00 29 37.0–2.2 12.89N 124.29E 36–16 4.6,4.6b
DJA VIII 31 00 29 50 12.92N 123.74E 103 4.9b,4.6b
ISC Event type fe.
MAN Event type fe. INTENSITY III - SORSOGON CITY; IROSIN SORSOGON; CATARMAN NORTHERN SAMAR; INTENSITY II - BAGACAY ALBAY; LEGASPI CITY.
MOS Error ellipse: s-maj=9.3km s-min=5.2km az=116.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=174.3.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.1km az=82.0. Felt [III PIVS] at Catarman. Also felt [III PIVS] at Irosin and Sorsogon; [II PIVS] at Bagacay and Legaspi, Luzon.
IDC Error ellipse: s-maj=17.8km s-min=10.1km az=73.0.
ISC VIII 31 01 47 03.6–1.7 13.05N–.08 124.59E–.08 28–13 4.0b 27 1-87
IDC VIII 31 01 46 59.4–.97 12.97N 124.44E 0 4.0,3.9 **¶11909145**
NEIC VIII 31 01 47 01.3–8.8 12.96N 124.45E 13–54 4.4b,3.9
ISCJB VIII 31 01 47 02.9–1.3 13.06N–.09 124.6E–.10 38–12 4.0b,3.9
MAN VIII 31 01 47 03 12.97N 124.32E 0 4.6b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=18.6km az=64.0.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=11.9km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=9.5km az=143.3.
MAN VIII 31 04 39 35 15.93N 120.83E 14 4.5b,3.4L
¶13728489
MAN Event type fe. INTENSITY II - BAGUIO CITY.
ISC VIII 31 19 48 28.1–1.9 18.33N–.09 122.49E–.08 13–10 3.2b 18 0-43
IDC VIII 31 19 48 27.3–3.8 17.92N 122.55E 0 4.1L,3.8 **¶12581606**
MAN VIII 31 19 48 32 18.06N 122.19E 1 5.1b,4.2s
ISC Event type fe.
IDC Error ellipse: s-maj=83.4km s-min=32.5km az=35.0.
MAN Event type fe. INTENSITY III - STA ANA CAGAYAN.
ISC IX 01 05 40 19.9–.90 12.72N–.03 122.02E–.05 11–7 3.9b 30 0-38
IDC IX 01 05 40 09.1–4.5 14.19N 123.40E 0 4.2,3.9 **¶13728493**
ISCJB IX 01 05 40 20.0–.78 12.71N–.03 122.01E–.05 18–9 3.9b,3.9
MAN IX 01 05 40 19 12.70N 122.00E 11 4.5b,3.3L
IDC Error ellipse: s-maj=119.6km s-min=23.4km az=34.0.
ISCJB Error ellipse: s-maj=8.3km s-min=4.5km az=160.9.
MAN IX 01 11 10 33 17.52N 120.02E 23 4.6b,3.5L
¶13728494
MAN IX 01 12 57 59 16.70N 119.97E 11 4.0b,2.8L
¶13728495
MAN IX 02 20 40 27 18.62N 120.45E 7 4.6b,3.5s
¶13728799
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE.
MAN IX 03 18 51 57 16.78N 119.83E 24 4.2b,3.0L
¶13729136
ISC IX 04 17 09 38.4–.55 13.75N–.04 122.92E–.07 35 3.8b 35 0-80
IDC IX 04 17 09 35.3–1.1 13.38N 122.58E 0 3.9,3.7b **¶11909473**
MAN IX 04 17 09 35 13.83N 123.01E 21 4.6b,3.5L
ISCJB IX 04 17 09 36.9–.53 13.78N–.04 122.96E–.07 33 3.8b,3.5L
NEIC IX 04 17 09 40.6–.78 13.38N 122.53E 35 4.2b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=53.2km s-min=18.4km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=4.9km az=171.5.
NEIC Event type se. Error ellipse: s-maj=36.2km s-min=12.4km az=67.0.
MAN IX 05 20 01 47 16.33N 120.09E 31 3.9b,2.7L
¶13729893
MAN IX 06 11 06 54 14.00N 120.31E 67 4.2b,3.0L
¶13730217
MAN IX 07 20 44 51 16.72N 122.34E 32 4.0b,2.8L
¶13730595
MAN IX 08 07 55 03 17.27N 122.51E 21 4.1b,2.9L
¶13731001
MAN IX 11 14 29 18 17.85N 120.56E 21 4.0b,2.8L
¶13732011
MAN IX 12 04 23 45 18.23N 122.06E 21 4.0b,2.8L
¶13732433
ISC IX 12 16 33 57.3–.43 13.11N–.03 124.16E–.04 41–4 4.4b,3.9s 147 1-168
BJI IX 12 16 33 50.4 12.45N 124.11E 31 5.0b,4.6b **¶11265537**
MAN IX 12 16 33 54 13.13N 124.07E 20 5.9b,4.9s
MOS IX 12 16 33 54.5–.99 13.06N 124.11E 33 4.9b,4.9s
ISCJB IX 12 16 33 55.7–.46 13.13N–.03 124.16E–.04 43–4 4.4b,3.9s
NEIC IX 12 16 33 56.4–.20 13.02N 124.10E 35 4.6b,3.9s
IDC IX 12 16 33 57.6–2.4 13.00N 124.09E 44–21 4.1,4.1
DJA IX 12 16 34 10 13.26N 123.79E 130 4.6b,4.1

ISC Event type fe.
MAN Event type fe. INTENSITY III - LEGASPI CITY; INTENSITY II - IROSIN SORSOGON; LIGNON HILL LEGASPI CITY.
MOS Error ellipse: s-maj=13.6km s-min=7.7km az=120.1.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=3.9km az=152.9.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.6km az=59.0. Felt [III PIVS] at Legaspi and [II PIVS] at Irosin, Luzon.
IDC Error ellipse: s-maj=18.6km s-min=9.6km az=71.0.
IDC IX 15 14 24 29.5–4.9 16.43N 122.72E 0 3.7,3.4b ¶11910335

IDC Error ellipse: s-maj=270.0km s-min=30.7km az=91.0.
MAN IX 17 12 24 19 16.45N 120.52E 37 4.5b,3.4L ¶13734265

MAN Event type fe. INTENSITY II - BAGUIO CITY.
MAN IX 17 12 44 45 16.46N 120.55E 5 4.6b,3.5L ¶13734266

MAN Event type fe. INTENSITY II - BAGUIO CITY.
MAN IX 18 22 51 18 17.45N 122.20E 3 3.8b,2.5L ¶13734594

MAN IX 20 16 42 41 18.56N 121.10E 1 0.0s,0.0b ¶13735213

MAN IX 25 15 39 56 16.90N 120.05E 29 4.4b,3.3L ¶13736975

MAN IX 26 16 40 50 18.00N 120.48E 42 3.9b,2.7L ¶13737317

MAN IX 27 14 22 05 17.01N 121.52E 32 4.5b,3.3L ¶13737618

MAN IX 27 16 14 10 17.07N 122.42E 19 4.0b,2.8L ¶13737619

MAN IX 27 21 27 30 17.91N 120.43E 46 4.6b,3.5L ¶13737620

MAN IX 28 08 49 21 18.84N 121.09E 11 4.7b,3.5s ¶13737939

MAN IX 28 21 47 57 16.81N 122.66E 20 4.3b,3.1L ¶13737940

MAN IX 29 00 04 13 17.06N 122.45E 34 4.1b,2.9L ¶13738296

MAN IX 30 21 50 30 16.25N 120.08E 25 3.6b,2.3L ¶13738645

MAN IX 30 22 51 04 16.67N 120.09E 38 4.1b,2.9L ¶13738646

ISC X 02 18 53 27.6–.81 15.36N–.04 119.54E–.09 43–11 3.9b 39 1-85
MAN X 02 18 53 23 15.32N 119.40E 9 5.3b,4.6s ¶11911737
ISCJB X 02 18 53 26.3–.88 15.36N–.04 119.51E–.09 45–10 3.9b,4.6s
NEIC X 02 18 53 29.7–1.4 15.24N 119.82E 74–15 4.2b,4.6s
IDC X 02 18 53 30.0–2.3 15.22N 119.80E 77–23 3.7,3.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=7.0km az=176.9.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=12.2km az=57.0.
IDC Error ellipse: s-maj=35.4km s-min=16.0km az=65.0.
MAN X 03 04 33 39 17.77N 122.42E 8 4.4b,3.3L ¶13739692

MAN X 03 19 08 15 16.83N 122.60E 7 4.5b,3.3L ¶13739699

MAN X 05 04 31 40 16.79N 120.11E 41 4.3b,3.1L ¶13740437

MAN X 06 01 07 45 16.42N 122.26E 8 4.4b,3.2L ¶13740818

MAN X 06 01 20 24 16.45N 122.58E 12 4.6b,3.5L ¶13740819

MAN X 06 02 13 57 16.49N 122.46E 15 4.8b,3.7s ¶13740820

ISC X 06 16 20 57.0–1.0 13.07N–.02 124.32E–.03 19–6 4.7b,4.0s 215 1-150
ISCJB X 06 16 20 55.7–.71 13.10N–.02 124.32E–.03 23–5 4.7b,4.0s ¶11331073
GCMT X 06 16 20 55.7–.30 13.11N 124.29E 19–1 4.8W,4.0s
IDC X 06 16 20 55.7–4.1 12.96N 124.32E 17–25 4.4,4.4
MAN X 06 16 20 55 13.10N 124.26E 14 4.8b,3.8s
MOS X 06 16 20 56.7–1.3 12.95N 124.28E 35 4.9b,4.1s
NEIC X 06 16 20 58.1–2.1 12.97N 124.31E 34–15 4.9b,4.1s
BJI X 06 16 20 58.8 13.03N 124.25E 44 4.7b,4.6b
DJA X 06 16 21 01 13.24N 124.50E 59 4.8b,4.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.4km s-min=3.3km az=169.4.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s15,c21; s65,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.85±.14 $M_{\theta\theta}$1.67±.10; $M_{\phi\phi}$-0.83±.09; $M_{r\theta}$-0.03±.17; $M_{\theta\phi}$1.23±.06; $M_{r\phi}$0.68±.21; Best double couple: NP1:ϕ_s108.00000°,δ63.00000°,λ-23.00000°. NP2:ϕ_s209.00000°,δ70.00000°,λ-151.00000°. Principal axes: T 2.1900,Plg5.0000° ,Azm337.0000°; N -0.4200,Plg55.0000°,Azm240.0000°; P -1.7800,Plg35.0000° ,Azm70.0000° $M_0$2.20000×10^{16}
IDC Error ellipse: s-maj=19.7km s-min=11.0km az=74.0.
MAN Event type fe. INTENSITY IV - IROSIN SORSOGON; SORSOGON CITY; INTENSITY III - VIRAC CATANDUANES.
MOS Error ellipse: s-maj=14.7km s-min=6.6km az=121.0.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.8km az=77.0. Felt [IV PIVS] at Irosin and Sorsogon, Luzon. Felt [III PIVS] at San Andres and Virac, Catanduanes.
MAN X 07 13 51 18 18.57N 120.68E 49 4.2b,3.0L ¶13741134

MAN X 08 18 10 53 13.00N 124.29E 1 4.3b,3.1L ¶13741452

ISC X 08 19 09 24.4–.14 13.08N–.01 124.47E–.02 10 5.1b,4.8s 468 1-167
ISCJB X 08 19 09 22.8–.14 13.11N–.01 124.46E–.02 10 5.1b,4.8s ¶13396431
DJA X 08 19 09 22 13.75N 124.34E 10 5.4b,4.8s
IDC X 08 19 09 22.2–.37 13.00N 124.36E 0 4.9,4.9
MAN X 08 19 09 25 13.07N 124.38E 18 5.9b,5.5s
BJI X 08 19 09 26.4 13.03N 124.45E 42 5.4b,5.1s
MOS X 08 19 09 26.1–.99 13.02N 124.38E 38 5.5b,4.8s
GCMT X 08 19 09 27.0–.10 13.09N 124.42E 27–0 5.4W,4.8s
NEIC X 08 19 09 28.5–.53 12.98N 124.36E 44–4 5.2b,4.8s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=179.4.
IDC Error ellipse: s-maj=13.5km s-min=9.9km az=68.0.
MAN Event type fe. INTENSITY V - LEGASPI CITY; SORSOGON CITY; IROSIN SORSOGON; INTENSITY IV - PANGANIBAN.
MOS Error ellipse: s-maj=8.9km s-min=5.1km az=117.2.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s83,c143; s97,c197; Moment tensor: Scale 10^{17}Nm; M_{rr}0.31±.02 $M_{\theta\theta}$0.59±.02; $M_{\phi\phi}$-0.90±.02; $M_{r\theta}$0.70±.04; $M_{\theta\phi}$1.01±.02; $M_{r\phi}$0.22±.04; Best double couple: NP1:ϕ_s14.00000°,δ65.00000°,λ160.00000°. NP2:ϕ_s112.00000°,δ72.00000°,λ26.00000°. Principal axes: T 1.5300,Plg31.0000° ,Azm335.0000°; N -0.1200,Plg59.0000°,Azm145.0000°; P -1.4200,Plg4.0000° ,Azm242.0000° $M_0$1.50000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=3.5km az=81.0. Felt [V PIVS] at Irosin, Legaspi and Sorsogon, Luzon. Felt [IV PIVS] at Catarman and [III PIVS] at Borongan, Catbalogan and Naga, Samar. Also felt [IV PIVS] at Panganiban and Virac, Catanduanes.
MAN X 08 19 31 59 13.09N 124.47E 32 4.5b,3.4L ¶13741453

ISC X 09 01 01 27.8–.90 15.04N–.06 119.9E–.10 10 3.8b 13 1-41
ISCJB X 09 01 01 26.5–.94 15.02N–.06 119.8E–.10 10 3.8b ¶12066388
IDC X 09 01 01 27.6–1.9 13.94N 119.57E 0 4.2,3.9
MAN X 09 01 01 27 15.04N 119.76E 18 4.7b,3.6L
ISCJB Error ellipse: s-maj=14.7km s-min=8.2km az=164.1.
IDC Error ellipse: s-maj=37.8km s-min=16.0km az=166.0.
MAN X 10 05 02 30 16.46N 120.87E 32 4.4b,3.2L ¶13742135

MAN X 10 09 28 36 17.78N 120.08E 124 4.9b,4.0s ¶13742136

MAN X 10 09 36 03 18.55N 120.69E 31 4.1b,2.9L ¶13742137

MAN X 10 10 39 53 18.27N 120.63E 32 4.0b,2.8L ¶13742138

MAN X 10 22 30 10 17.13N 121.10E 29 4.2b,3.0L ¶13742140

ISC X 11 09 53 11.3–1.6 13.12N–.07 124.6E–.10 13–9 3.8b 16 1-53
IDC X 11 09 53 08.7–1.0 12.94N 124.35E 0 4.0,3.8b ¶12066576
MAN X 11 09 53 09 13.20N 124.73E 5 4.7b,3.6s
IDC Error ellipse: s-maj=69.6km s-min=18.5km az=72.0.
ISC X 11 10 12 49.9–1.2 13.07N–.07 124.5E–.10 12–8 3.8b 22 1-58
IDC X 11 10 12 47.1–.82 12.94N 124.49E 0 4.2L,3.9 ¶12066577
ISCJB X 11 10 12 49.9–1.1 13.06N–.08 124.5E–.10 27–8 3.8b,3.9
MAN X 11 10 12 49 13.10N 124.42E 7 4.9b,3.9s
IDC Error ellipse: s-maj=32.6km s-min=15.3km az=67.0.
ISCJB Error ellipse: s-maj=20.3km s-min=8.6km az=149.8.
MAN X 14 08 56 27 17.97N 120.82E 2 4.1b,3.0L ¶13743565

MAN X 15 00 49 32 16.52N 120.17E 31 4.3b,3.1L ¶13743898

MAN X 15 09 09 58 17.99N 120.74E 9 4.0b,2.7L ¶13743901

MAN X 15 23 04 39 17.59N 120.44E 33 4.2b,3.1L ¶13743903

MAN X 16 00 36 59 18.78N 121.20E 25 4.4b,3.2L ¶13744224

MAN X 16 10 52 09 17.92N 120.43E 4 4.2b,3.0L ¶13744225

MAN X 16 11 04 43 18.11N 120.47E 3 4.4b,3.3L ¶13744226

MAN X 16 13 19 23 17.87N 120.71E 35 4.6b,3.5s ¶13744227

MAN X 16 22 34 07 17.87N 120.51E 33 4.5b,3.4L ¶13744228

MAN X 18 09 35 00 13.12N 124.44E 33 4.6b,3.4L ¶13744915

MAN X 24 07 42 35 18.01N 120.74E 7 4.3b,3.2L ¶13746813

MAN X 24 09 48 46 12.46N 123.68E 2 3.7b,2.4L ¶13746814

MAN Event type fe. INTENSITY II - MASBATE MASBATE.
ISC X 24 13 57 19.3–1.4 17.80N–.08 120.05E–.09 10 3.5b 11 1-54
IDC X 24 13 57 28.7–25 17.28N 122.85E 0 3.7,3.5b ¶12070991
IDC Error ellipse: s-maj=471.4km s-min=260.9km az=153.0.
MAN X 26 03 03 54 12.17N 123.86E 3 4.2b,3.0L ¶13747427

MAN X 27 00 18 54 17.64N 122.24E 24 4.7b,3.6s ¶13747816

MAN X 27 17 46 58 18.37N 120.67E 23 4.1b,2.9L ¶13747818

MAN X 29 08 05 04 18.34N 120.69E 10 4.2b,3.0L ¶13748453

ISC X 30 05 14 50.2–.31 18.52N–.02 120.65E–.04 57–3 4.5b,4.0s 168 0-172
IDC X 30 05 14 42.3–.39 18.40N 120.65E 0 4.5,4.5 ¶11379102
NEIC X 30 05 14 48.4–.27 18.40N 120.72E 46 4.6b,4.5
ISCJB X 30 05 14 48.6–.34 18.54N–.02 120.60E–.04 55–4 4.5b,4.0s
MAN X 30 05 14 49 18.42N 120.61E 8 5.0b,4.0s
DJA X 30 05 14 52 18.51N 120.39E 55 4.9b,4.0s
BJI X 30 05 14 53.4 18.96N 120.23E 45 4.7L,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=10.6km az=76.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.6km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.3km az=174.6.
MAN X 31 20 35 26 14.25N 124.67E 2 4.6b,3.4s ¶13749062

MAN XI 01 10 51 18 16.82N 120.59E 8 4.0b,2.8L ¶13749395

MAN XI 02 14 12 08 14.63N 121.79E 3 4.7b,3.6s ¶13749771

MAN XI 02 20 42 38 18.47N 120.64E 39 3.9b,2.7L ¶13749772

MAN XI 02 21 55 42 15.04N 121.50E 26 3.5b,2.2L ¶13749773

MAN XI 04 15 06 58 18.74N 120.95E 1 4.4b,3.3L ¶13750471

ISC XI 04 23 49 54.2–.74 17.0N–.10 120.8E–.10 121–10 3.4b 12 1-46
IDC XI 04 23 49 40.2–1.5 16.92N 121.05E 0 3.6,3.4b ¶12072313
ISCJB XI 04 23 49 53.3–.75 17.0N–.10 120.8E–.10 127–10 3.4b,3.4b
MAN XI 05 10 38 06 16.29N 120.06E 7 3.8b,2.5L ¶13750767

ISC XI 05 15 32 23.0–2.1 13.5N–.20 125.0E–.20 62–18 3.1b 8 1-39
IDC XI 05 15 32 14.2–1.6 13.68N 125.39E 0 3.4,3.3s ¶12072428
ISCJB XI 05 15 32 22.3–1.7 13.5N–.20 124.9E–.10 72–13 3.1b,3.3s
ISC XI 06 02 37 00.2–3.5 13.1N–.10 124.6E–.30 9–22 3.7b 6 1-51
IDC XI 06 02 36 58.3–3.3 13.26N 124.95E 0 3.7,3.6b ¶12072490
ISCJB XI 06 02 36 59.9–3.6 13.1N–.10 124.6E–.30 21–25 3.7b,3.6b
ISC XI 06 07 45 57.2–.15 13.08N–.02 124.50E–.03 10 5.0b,4.5s 396 1-154
BJI XI 06 07 45 54.0 12.50N 124.73E 40 5.1b,4.9b ¶11396248
ISCJB XI 06 07 45 55.4–.15 13.08N–.02 124.51E–.03 10 5.0b,4.5s
MAN XI 06 07 45 57 13.02N 124.32E 9 5.7b,5.1s
MOS XI 06 07 45 58.0–1.1 12.97N 124.41E 33 5.3b,4.6s
GCMT XI 06 07 45 59.3–.20 13.03N 124.52E 26–0 5.2W,4.6s
IDC XI 06 07 45 59.7–2.6 12.94N 124.44E 33–19 4.5,4.5b
NEIC XI 06 07 46 01.2–.58 12.98N 124.48E 45–5 5.2b,4.5b
DJA XI 06 07 46 07 13.19N 124.66E 108 5.4W,4.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=174.6.
MAN Event type fe. INTENSITY IV - SORSOGON CITY; INTENSITY III - CATARMAN N. SAMAR; LEGASPI CITY; VIRAC CATANDUANES.
MOS Error ellipse: s-maj=9.8km s-min=5.3km az=115.4.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s57,c90; s81,c147; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.92±.23 $M_{\theta\theta}$7.73±.16; $M_{\phi\phi}$-3.81±.22; $M_{r\theta}$-3.52±.29; $M_{\theta\phi}$1.26±.13; $M_{r\phi}$3.01±.43; Best double couple: NP1:ϕ_s228.00000°,δ46.00000°,λ-152.00000°. NP2:ϕ_s117.00000°,δ71.00000°,λ-48.00000°. Principal axes: T 8.7200,Plg15.0000° ,Azm178.0000°; N -1.0800,Plg39.0000°,Azm281.0000°; P -7.6400,Plg47.0000° ,Azm71.0000° $M_0$8.20000×10^{16}
IDC Error ellipse: s-maj=14.2km s-min=8.5km az=72.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=3.8km az=80.0. Felt [IV PIVS] at Sorsogon and [III PIVS] at Legaspi, Luzon. Felt [III PIVS] at Catarman and [II PIVS] at Can-Avid, Samar. Felt at Calbayog. Also felt [III PIVS] at Virac, Catanduanes.
IDC XI 06 08 09 12.6–29 14.44N 120.78E 0 3.8,3.6b ¶12072506

IDC Error ellipse: s-maj=527.9km s-min=348.4km az=145.0.
MAN XI 08 03 58 19 12.40N 123.65E 5 4.0b,2.7L ¶13751706

ISC XI 09 12 10 15.1–1.1 16.08N–.05 119.58E–.09 66–11 4.0b 50 2-84
MAN XI 09 12 10 10 16.23N 119.19E 48 4.8b,3.7s ¶12072948
ISCJB XI 09 12 10 14.3–1.1 16.07N–.05 119.59E–.10 75–11 4.0b,3.7s
IDC XI 09 12 10 15.5–2.5 16.06N 119.66E 70–25 3.9,3.8
NEIC XI 09 12 10 16.6–1.1 16.01N 119.64E 83–11 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=8.0km az=174.3.
IDC Error ellipse: s-maj=23.7km s-min=11.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=6.4km az=60.0.
ISC XI 09 12 51 03.5–.84 18.29N–.04 120.01E–.09 44–9 4.1b,3.6s 65 1-151
MAN XI 09 12 50 52 18.53N 119.43E 2 4.9b,3.9s ¶12072951
IDC XI 09 12 50 57.3–.55 18.19N 120.08E 0 4.2,4.1
NEIC XI 09 12 51 00.7–2.2 18.19N 120.13E 23–16 4.4b,4.1
ISCJB XI 09 12 51 02.6–.92 18.36N–.03 120.01E–.10 49–9 4.1b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 09 19 50 27.8–.94 17.13N–.06 120.3E–.10 97–11 3.8b 37 1-77
ISCJB XI 09 19 50 25.6–1.0 17.13N–.06 120.3E–.10 91–11 3.8b ¶12072990
NEIC XI 09 19 50 27.9–.75 17.12N 120.36E 100–8 4.1b
IDC XI 09 19 50 27.8–2.7 17.11N 120.33E 97–27 3.6,3.5
MAN XI 09 19 50 30 17.56N 120.54E 32 4.1b,2.9L

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=9.4km az=162.8.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=5.5km az=69.0.
IDC Error ellipse: s-maj=33.1km s-min=12.4km az=66.0.
IDC XI 11 05 26 00.4–1.5 17.28N 120.34E 0 3.9,3.8b ¶12073140
IDC Error ellipse: s-maj=204.6km s-min=18.0km az=63.0.
MAN XI 11 23 11 06 12.77N 123.62E 53 4.1b,2.9L ¶13752717
ISC XI 13 08 16 28.5–1.1 13.08N–.08 124.5E–.20 10–6 3.7b 13 1-51
MAN XI 13 08 16 27 13.14N 124.58E 20 4.7b,3.6L **¶12073399**
ISCJB XI 13 08 16 28.1–1.4 13.11N–.08 124.6E–.20 20–9 3.7b,3.6L
IDC XI 13 08 16 28.1–1.4 12.65N 123.92E 0 3.8,3.7b
ISCJB Error ellipse: s-maj=30.9km s-min=6.4km az=157.0.
IDC Error ellipse: s-maj=196.7km s-min=17.8km az=68.0.
MAN XI 13 11 48 05 15.76N 120.18E 21 4.5b,3.3L ¶13753313
MAN XI 13 14 24 59 18.89N 121.10E 40 4.0b,2.7L ¶13753315
ISC XI 14 13 37 48.1–1.2 18.76N–.08 120.2E–.10 45–13 3.7b 31 1-86
IDC XI 14 13 37 42.4–.77 18.78N 120.07E 0 3.8,3.7 **¶12073523**
ISCJB XI 14 13 37 47.4–1.1 18.73N–.09 120.1E–.10 57–11 3.7b,3.7
NEIC XI 14 13 37 47.0–.54 18.70N 120.10E 35 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=15.5km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=11.1km az=151.4.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=10.1km az=61.0.
MAN XI 15 00 04 21 16.39N 120.54E 31 3.8b,2.5L ¶13753963
MAN XI 15 09 48 19 13.75N 122.54E 27 3.8b,2.6L ¶13753964
MAN XI 15 16 00 15 15.65N 119.93E 36 4.1b,2.9L ¶13753967
ISC XI 15 21 40 38.2–2.4 13.84N–.07 124.78E–.09 7–12 3.4b 12 1-52
ISCJB XI 15 21 40 36.1–2.2 13.90N–.07 124.82E–.08 5–12 3.4b **¶12073669**
MAN XI 15 21 40 47 13.54N 124.19E 26 4.5b,3.4L
IDC XI 15 21 40 49.9–5.8 13.58N 124.08E 95–49 3.4,3.2
ISCJB Error ellipse: s-maj=13.8km s-min=10.5km az=148.1.
IDC Error ellipse: s-maj=76.3km s-min=17.6km az=58.0.
MAN XI 16 21 38 44 13.50N 122.76E 32 3.9b,2.7L ¶13754294
ISC XI 17 02 44 55.3–.48 18.21N–.05 121.10E–.08 53–6 3.7b,3.3s 45 0-83
IDC XI 17 02 44 47.8–.72 18.26N 121.42E 0 4.0,3.8 **¶13400387**
MAN XI 17 02 44 51 18.39N 120.97E 6 4.8b,3.7s
ISCJB XI 17 02 44 54.0–.48 18.24N–.05 121.05E–.07 55–6 3.7b,3.3s
NEIC XI 17 02 44 56.1–.94 18.29N 121.30E 65–10 3.9b,3.3s
ISC Event type fe.
IDC Error ellipse: s-maj=40.1km s-min=15.9km az=63.0.
MAN Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=7.9km az=167.5.
NEIC Event type fe. Error ellipse: s-maj=15.1km s-min=7.7km az=81.0. Felt [II PIVS] at Callao Cave.
MAN XI 19 11 07 36 17.12N 122.51E 31 4.2b,3.0L ¶13755259
MAN XI 20 17 47 20 13.17N 124.55E 21 4.4b,3.3L ¶13755486
MAN XI 22 12 15 30 16.16N 119.64E 22 4.3b,3.2L ¶13756056
MAN XI 22 19 26 11 14.96N 119.85E 35 4.6b,3.5L ¶13756055
MAN XI 23 00 14 51 18.26N 120.59E 34 4.1b,2.9L ¶13756467
ISC XI 23 10 24 49.5–1.6 13.18N–.06 124.79E–.10 9–7 3.8b 16 1-53
IDC XI 23 10 24 47.1–1.6 13.40N 125.41E 0 4.0,3.9 **¶12074580**
ISCJB XI 23 10 24 48.5–2.7 13.22N–.05 124.86E–.08 14–17 3.8b,3.9
MAN XI 23 10 24 49 13.20N 124.79E 15 4.6b,3.4L
IDC Error ellipse: s-maj=60.2km s-min=19.1km az=54.0.
ISCJB Error ellipse: s-maj=14.4km s-min=6.4km az=149.1.
ISC XI 26 05 57 27.4–.54 18.55N–.03 120.70E–.07 29–5 3.8b,3.4s 52 0-116
IDC XI 26 05 57 20.9–.72 18.36N 120.96E 0 3.9,3.8 **¶12074863**
NEIC XI 26 05 57 22.0–.47 18.21N 120.86E 10 4.3b,3.8
MAN XI 26 05 57 25 18.59N 120.72E 1 4.9b,3.8s
ISCJB XI 26 05 57 26.6–.41 18.61N–.02 120.64E–.08 34–7 3.8b,3.4s
ISC Event type fe.
NEIC Event type fe. Felt [II PIVS] at Pasuquin.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE.
ISCJB Event type fe.
ISC XI 28 01 44 13.0–1.0 13.40N–.06 124.35E–.08 4–7 3.6b 12 0-52
IDC XI 28 01 44 11.3–1.9 13.64N 125.31E 0 3.8,3.6b **¶12075099**
ISCJB XI 28 01 44 12.0–1.3 13.42N–.06 124.39E–.08 7–8 3.6b,3.6b
MAN XI 28 01 44 13 13.36N 124.19E 1 4.5b,3.4L
IDC Error ellipse: s-maj=209.9km s-min=21.5km az=70.0.
ISCJB Error ellipse: s-maj=14.6km s-min=7.6km az=142.0.
MAN XI 28 13 22 21 17.54N 120.74E 33 4.1b,2.9L ¶13758049
ISC XI 29 09 27 22.9–.96 17.9N–.10 120.3E–.10 69–9 3.4b 13 0-43
IDC XI 29 09 27 14.2–1.4 18.70N 122.70E 0 4.4L,3.7 **¶13758317**
ISCJB XI 29 09 27 22.0–.95 18.0N–.10 120.3E–.10 78–9 3.4b,3.7
MAN XI 29 09 27 24 17.86N 120.27E 31 4.9b,3.8s
ISC Event type fe.
IDC Error ellipse: s-maj=72.2km s-min=19.9km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=19.2km s-min=16.9km az=1.2.
MAN Event type fe. INTENSITY II - STO. DOMINGO ILOCOS SUR.
MAN XI 29 15 45 01 17.89N 120.71E 14 4.6b,3.5s ¶13758319
MAN XII 01 00 45 42 17.99N 120.90E 9 4.0b,2.8L ¶13758836
MAN XII 03 17 42 48 12.32N 123.81E 27 3.9b,2.7L ¶13758851
MAN XII 03 18 33 57 12.46N 123.72E 27 4.3b,3.2L ¶13758852
MAN XII 04 10 06 16 15.39N 120.44E 26 4.5b,3.4L ¶13758856
MAN Event type fe.
MAN XII 05 01 25 41 13.22N 124.47E 31 4.3b,3.1L ¶13758859
MAN XII 05 04 34 56 18.98N 121.13E 23 4.3b,3.2L ¶13758860
ISC XII 05 23 09 40.0–.36 18.75N–.03 120.21E–.07 35 4.2b 52 5-88
IDC XII 05 23 09 34.9–.63 18.76N 120.18E 0 4.3,4.1 **¶12075939**
ISCJB XII 05 23 09 37.8–.37 18.78N–.03 120.26E–.07 33 4.2b,4.1
NEIC XII 05 23 09 39.9–.28 18.80N 120.28E 35 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=13.1km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.5km az=11.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.0km az=86.0.
ISC XII 06 10 30 00.7–1.1 18.90N–.03 120.61E–.04 25–8 4.6b,4.4s 137 1-171
ISCJB XII 06 10 29 56.2–1.4 18.88N–.03 120.56E–.04 7–8 4.6b,4.4s **¶11493261**
IDC XII 06 10 29 57.0–.49 18.88N 120.60E 0 4.4,4.3
NEIC XII 06 10 29 58.2–2.2 18.87N 120.54E 9–14 4.6b,4.3
BJI XII 06 10 30 00.1 18.88N 120.34E 24 5.0b,4.8s
MAN XII 06 10 30 07 18.59N 120.78E 5 5.4b,4.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.5km az=167.9.
IDC Error ellipse: s-maj=20.8km s-min=11.5km az=75.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.7km az=74.0.
MAN XII 09 08 22 22 18.50N 120.90E 24 4.1b,2.9L ¶13758897
ISC XII 10 10 43 05.9–.00 13.03N–.05 124.45E–.07 13–7 3.6b 22 1-53
IDC XII 10 10 43 03.6–1.4 12.70N 123.98E 0 3.7,3.6b **¶12076721**
MAN XII 10 10 43 05 12.95N 124.36E 3 4.7b,3.6s
ISCJB XII 10 10 43 06.2–.92 13.06N–.04 124.46E–.07 27–8 3.6b,3.6s
ISC Event type fe.
MAN Event type fe.
ISCJB Event type fe.
MAN XII 10 19 52 42 16.40N 120.89E 33 3.7b,2.4L ¶13758903
MAN XII 13 18 15 12 18.14N 120.42E 16 4.0b,2.8L ¶13758921
ISC XII 14 04 37 33.3–1.0 14.07N–.04 123.57E–.04 27–8 4.4b,3.5s 82 1-151
IDC XII 14 04 37 28.8–.51 14.04N 123.70E 0 5.1L,4.2 **¶12077391**
NEIC XII 14 04 37 30.0–4.1 14.04N 123.71E 8–26 4.6b,4.2
MAN XII 14 04 37 31 14.00N 123.48E 1 4.6b,3.6s
ISCJB XII 14 04 37 33.4–.60 14.05N–.04 123.55E–.05 43–6 4.4b,3.5s
ISC Event type fe.
NEIC Event type se.
MAN Event type fe.
ISCJB Event type fe.
MAN XII 14 04 40 50 14.32N 123.75E 29 3.9b,2.7L ¶13759155
MAN XII 14 06 06 39 14.15N 123.52E 1 4.5b,3.4L ¶13759156
MAN XII 17 13 32 16 13.25N 124.61E 32 4.9b,3.8s ¶13759185
MAN XII 17 22 08 52 17.85N 120.65E 25 4.0b,2.8L ¶13759186
IDC XII 18 23 44 28.2–2.2 14.43N 123.39E 0 3.9,3.7b ¶12078121
IDC Error ellipse: s-maj=164.3km s-min=19.4km az=66.0.
MAN XII 19 14 07 49 18.05N 120.59E 13 4.0b,2.8L ¶13759200
ISC XII 20 03 05 58.7–1.7 16.08N–.06 122.36E–.09 5–10 4.0b 38 1-61
IDC XII 20 03 05 56.6–.94 16.40N 122.98E 0 5.0L,4.0 **¶12078280**
MAN XII 20 03 05 58 16.07N 122.31E 1 4.7b,3.6L
NEIC XII 20 03 06 02.0–.53 16.29N 122.91E 35 4.4b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=14.4km az=66.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=8.1km az=66.0.
IDC XII 23 09 49 31.2–28 14.44N 122.09E 0 3.8,3.6b ¶12078660
IDC Error ellipse: s-maj=502.8km s-min=296.1km az=148.0.
MAN XII 23 19 11 42 16.00N 119.91E 23 4.3b,3.2L ¶13762334
MAN XII 28 12 39 56 14.51N 122.49E 1 4.5b,3.3L ¶13762361
ISC XII 29 00 46 10.6–.90 12.73N–.03 123.56E–.06 7–7 3.5b 23 0-51
IDC XII 29 00 46 09.6–1.3 12.62N 123.50E 0 4.3L,3.9 **¶12079321**
ISCJB XII 29 00 46 10.6–.99 12.73N–.03 123.55E–.05 13–7 3.5b,3.9
MAN XII 29 00 46 10 12.69N 123.51E 7 4.8b,3.7s
IDC Error ellipse: s-maj=59.7km s-min=18.9km az=61.0.
ISCJB Error ellipse: s-maj=8.4km s-min=5.2km az=2.0.
MAN XII 29 16 53 45 16.47N 120.13E 35 4.1b,2.9L ¶13762378
MAN XII 29 20 46 11 12.75N 123.58E 32 4.1b,2.9L ¶13762380
MAN XII 29 20 48 01 17.53N 120.79E 33 4.2b,3.0L ¶13762381
MAN XII 31 00 06 06 17.31N 121.90E 28 4.6b,3.5L ¶13762385
MAN XII 31 22 06 00 18.05N 120.82E 4 4.2b,3.0L ¶13762387

(250) Mindoro.

ISC VII 04 15 41 20.3–.99 13.29N–.05 120.45E–.06 3–8 3.9b 17 0-46
MAN VII 04 15 41 19 13.30N 120.42E 1 4.6b,3.5s **¶11810621**
IDC VII 04 15 41 20.5–1.4 13.20N 120.75E 0 4.0,3.8b
NEIC VII 04 15 41 21.8–.69 13.26N 120.96E 10 3.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=58.1km s-min=10.5km az=93.0.
NEIC Event type se. Error ellipse: s-maj=47.2km s-min=9.2km az=78.0.
MAN VII 06 16 37 32 13.43N 120.22E 34 4.6b,3.5s ¶13728074
IDC VII 07 20 53 03.4–3.8 13.80N 121.66E 72–32 3.4,3.3b ¶12698073
IDC Error ellipse: s-maj=107.9km s-min=16.7km az=62.0.
ISC VII 08 07 05 52.0–1.2 13.53N–.03 120.36E–.04 21–9 4.4b 37 1-56
IDC VII 08 07 05 48.4–.86 13.52N 120.52E 0 4.3,4.2 **¶11810974**
MAN VII 08 07 05 48 13.51N 120.17E 1 4.8b,3.7s
ISCJB VII 08 07 05 51.2–1.1 13.53N–.03 120.31E–.04 26–8 4.4b,3.7s
NEIC VII 08 07 05 53.2–.41 13.54N 120.60E 35 4.7b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=14.7km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.5km az=168.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.6km az=71.0.
MAN VII 09 18 38 37 13.58N 120.74E 110 4.5b,3.3L ¶13728100
ISC VII 11 11 54 20.8–.37 13.58N–.05 120.71E–.07 142–4 4.0b 34 0-79
ISCJB VII 11 11 54 19.7–.37 13.59N–.05 120.70E–.07 148–4 4.0b **¶11811264**
IDC VII 11 11 54 19.5–.72 13.59N 120.96E 140–5 3.4,3.3b
NEIC VII 11 11 54 20.0–.77 13.56N 120.95E 146–7 3.9b,3.3b
MAN VII 11 11 54 21 13.60N 120.68E 108 4.8b,3.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=7.8km az=173.6.
IDC Error ellipse: s-maj=29.9km s-min=15.9km az=67.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=10.5km az=67.0.
ISC VII 13 13 22 58.9–.61 13.8N–.10 120.6E–.20 93–7 3.5b 17 0-56
ISCJB VII 13 13 22 57.8–.61 13.8N–.10 120.6E–.20 100–7 3.5b **¶11811469**
IDC VII 13 13 22 58.7–.71 13.90N 120.60E 89–8 3.3,3.2b
NEIC VII 13 13 22 58.7–.57 13.86N 120.59E 89 3.9b,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.2km s-min=14.4km az=159.7.
IDC Error ellipse: s-maj=24.7km s-min=14.6km az=78.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=11.0km az=52.0.
MAN VII 13 17 17 39 13.52N 120.21E 32 4.3b,3.2L ¶13728131
MAN VII 14 02 00 42 13.72N 120.71E 99 3.9b,2.6L ¶13728136
MAN VII 16 17 28 05 13.31N 120.21E 1 4.7b,3.6s ¶13728155
MAN VII 17 06 34 35 13.57N 120.76E 27 4.2b,3.0L ¶13728158
MAN VII 17 17 29 45 13.12N 120.24E 22 4.9b,3.8s ¶13728160
ISC VII 17 22 26 06.9–.40 12.49N–.03 120.87E–.04 37–5 4.0b,3.5s 54 1-90
ISCJB VII 17 22 26 05.8–.37 12.49N–.03 120.88E–.04 46–4 4.0b,3.5s **¶11811874**
MAN VII 17 22 26 06 12.42N 120.94E 32 4.7b,3.6L
NEIC VII 17 22 26 07.1–.64 12.53N 120.92E 40–6 4.3b,3.6L
IDC VII 17 22 26 08.5–2.7 12.55N 120.88E 51–27 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=179.3.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=4.0km az=68.0.
IDC Error ellipse: s-maj=37.0km s-min=12.7km az=69.0.
MAN VII 18 18 22 13 13.55N 120.71E 94 4.6b,3.5s ¶13728167
MAN VII 20 13 31 17 12.66N 120.26E 39 4.3b,3.1L ¶13728190
MAN VII 20 15 47 51 13.40N 120.11E 8 4.9b,3.9s ¶13728191
MAN VII 20 17 29 20 13.40N 120.15E 16 4.5b,3.4L ¶13728192
MAN VII 21 17 51 17 13.56N 120.66E 9 4.3b,3.2L ¶13728206

ISC VII 22 14 25 49.0–.43 13.83N–.04 120.60E–.08 180–5 3.6b 34 0-79
ISCJB VII 22 14 25 48.1–.43 13.84N–.04 120.61E–.08 186–5 3.6b ¶11812363
IDC VII 22 14 25 48.3–.92 14.14N 121.25E 186–7 3.4,3.3b
NEIC VII 22 14 25 48.5–1.0 14.12N 121.25E 187–9 4.0b,3.3b
MAN VII 22 14 25 49 13.81N 120.62E 162 4.9b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=6.4km az=165.9.
IDC Error ellipse: s-maj=46.8km s-min=14.2km az=62.0.
NEIC Event type se. Error ellipse: s-maj=37.3km s-min=12.8km az=60.0.
MAN VII 22 19 04 05 13.50N 120.63E 0 4.4b,3.3L
¶13728211
ISC VII 28 21 02 30.3–1.2 12.50N–.04 120.41E–.04 22–10 4.1b 53 1-104
IDC VII 28 21 02 26.5–1.1 12.50N 120.48E 0 4.0,4.0 ¶11812805
ISCJB VII 28 21 02 29.5–.91 12.54N–.04 120.36E–.04 28–8 4.1b,4.0
MAN VII 28 21 02 29 12.50N 120.38E 18 4.9b,3.9s
NEIC VII 28 21 02 32.1–.66 12.53N 120.50E 38–6 4.4b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=14.4km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=6.8km az=40.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=5.1km az=116.0.
ISC VIII 01 10 35 24.8–.10 13.65N–.01 120.76E–.02 135 5.3b 671 0-171
SZGRF VIII 01 10 35 19.6 13.58N 122.24E 132 5.6b ¶11154066
BJI VIII 01 10 35 20.9 13.36N 121.03E 140 5.2b,5.1b
MOS VIII 01 10 35 23.0–.97 13.63N 120.77E 134 5.3b,4.5s
ISCJB VIII 01 10 35 23.4–.10 13.66N–.01 120.75E–.02 133 5.3b,4.5s
IDC VIII 01 10 35 23.6–.34 13.55N 120.86E 133–2 4.9,4.9
NEIC VIII 01 10 35 24.3–.12 13.52N 120.76E 135 5.6W,5.5W
MAN VIII 01 10 35 24 13.60N 120.65E 117 5.7b,5.3s
GCMT VIII 01 10 35 24.8–.10 13.56N 120.77E 136–0 5.6W,5.3s
DJA VIII 01 10 35 29 13.60N 120.85E 182 5.6W,5.3s
ISC Event type fe.
SZGRF Luzon, Philippine Islands.
MOS Error ellipse: s-maj=8.0km s-min=4.4km az=119.6.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.9km az=167.3.
IDC Error ellipse: s-maj=9.7km s-min=7.8km az=72.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.5km az=71.0. Felt [V] at Bacolod, Negros and [IV] at Iloilo, Panay. Felt [III PIVS] at Manila and San Fernando, Luzon. Also felt at Angeles and Batangas. Felt [II PIVS] at Puerto Galera, Mindoro. Moment Tensor Solution. s22 Moment tensor: Scale 10^{17}Nm; M_{rr}3.04 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-2.75 $M_{r\theta}$-0.39 $M_{\theta\phi}$1.36 $M_{\phi r}$-0.07 Best double couple: NP1:ϕ_s328.00000°,δ46.00000°,λ79.00000°. NP2:ϕ_s164.00000°,δ45.00000°,λ101.00000°. Principal axes: T 3.1000,Plg82.0000°,Azm162.0000° ; N 0.2600,Plg7.0000°,Azm335.0000°; P -3.3600,Plg0.0000°,Azm65.0000° $M_0$3.20000×10^{17}
MAN Event type fe. INTENSITY III - MANILA CITY; SAN FERNANDO PAMPANGA; INTENSITY II - PUERTO GALERA.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=209, per= 50. Moment Tensor Solution. s98,c166; s27,c29; Moment tensor: Scale 10^{17}Nm; M_{rr}2.52±.03 $M_{\theta\theta}$-1.23±.04; $M_{\phi\phi}$-1.29±.05; $M_{r\theta}$-0.46±.03; $M_{\theta\phi}$1.45±.03; $M_{\phi r}$-0.60±.03; Best double couple: NP1:ϕ_s300.00000°,δ46.00000°,λ67.00000°. NP2:ϕ_s151.00000°,δ48.00000°,λ112.00000°. Principal axes: T 2.7400,Plg74.0000°,Azm132.0000°; N -0.0300,Plg16.0000°,Azm316.0000° ; P -2.7100,Plg1.0000°,Azm226.0000° $M_0$2.70000×10^{17}
MAN VIII 09 10 19 04 12.93N 120.83E 9 4.3b,3.1L
¶13728317
MAN VIII 09 13 04 30 12.81N 120.79E 30 4.6b,3.5s
¶13728318
ISC VIII 11 13 54 02.9–1.1 13.6N–.20 121.1E–.30 179–7 3.3b 8 1-51
ISCJB VIII 11 13 54 01.6–1.2 13.7N–.20 121.2E–.30 184–6 3.3b ¶11908086
NEIC VIII 11 13 54 02.4–.96 13.58N 121.08E 174–8 3.6b
IDC VIII 11 13 54 02.6–1.0 13.57N 121.12E 177–5 3.1,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=53.5km s-min=24.6km az=153.6.
NEIC Event type se. Error ellipse: s-maj=32.1km s-min=16.1km az=62.0.
IDC Error ellipse: s-maj=43.5km s-min=20.1km az=63.0.
MAN VIII 14 19 55 11 13.56N 120.34E 32 4.3b,3.1L
¶13728348
MAN VIII 20 12 49 04 12.89N 120.88E 53 4.0b,2.8L
¶13728402
ISC VIII 28 01 37 45.8–.61 13.45N–.05 120.32E–.07 50–9 3.7b 21 0-46
ISCJB VIII 28 01 37 44.9–.60 13.46N–.05 120.31E–.06 59–8 3.7b ¶12581485
IDC VIII 28 01 37 45.6–.91 13.46N 120.36E 49–10 3.5,3.4b
MAN VIII 28 01 37 45 13.47N 120.35E 33 4.7b,3.5s
ISCJB Error ellipse: s-maj=10.8km s-min=7.8km az=18.2.
IDC Error ellipse: s-maj=20.9km s-min=10.2km az=109.0.
ISC VIII 31 03 19 56.8–.79 13.76N–.09 120.7E–.10 104–10 3.7b 12 0-50
IDC VIII 31 03 19 53.9–1.2 15.01N 120.46E 0 3.8,3.7b ¶12581587
ISCJB VIII 31 03 19 55.8–.78 13.77N–.09 120.7E–.10 112–10 3.7b,3.7b
MAN VIII 31 03 19 55 13.78N 120.61E 99 4.2b,3.1L
IDC Error ellipse: s-maj=59.4km s-min=10.0km az=60.0.
ISCJB Error ellipse: s-maj=23.1km s-min=15.3km az=8.6.
ISC IX 03 11 59 44.5–1.8 13.27N–.07 120.28E–.09 0–13 3.7b 13 0-56
ISCJB IX 03 11 59 43.6–1.8 13.29N–.06 120.22E–.08 3–13 3.8b ¶11909367
IDC IX 03 11 59 43.7–1.1 13.43N 120.71E 0 3.9,3.8s
MAN IX 03 11 59 44 13.34N 120.24E 2 4.1b,2.9L
ISCJB Error ellipse: s-maj=14.2km s-min=8.9km az=23.5.
IDC Error ellipse: s-maj=58.9km s-min=18.0km az=62.0.
ISC IX 03 12 01 39.4–1.9 13.33N–.07 120.17E–.10 6–13 4.0b 14 0-50
MAN IX 03 12 01 36 13.83N 119.94E 42 4.5b,3.4L ¶11909368
IDC IX 03 12 01 38.0–1.2 13.49N 120.69E 0 4.3s,4.3
ISCJB IX 03 12 01 38.5–1.7 13.33N–.06 120.10E–.09 10–12 4.2b,4.3
ISC IX 03 13 29 52.9–.67 13.31N–.05 120.3E–.10 45–9 4.0b 24 0-79
MAN IX 03 13 29 48 13.31N 120.27E 1 4.6b,3.4s ¶11909373
ISCJB IX 03 13 29 51.7–.64 13.32N–.04 120.3E–.10 52–8 4.0b,3.4s
IDC IX 03 13 29 51.6–3.3 13.36N 120.42E 33–29 3.9,3.8b
NEIC IX 03 13 29 53.4–1.5 13.44N 120.55E 54–16 4.5b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=7.2km az=177.0.
IDC Error ellipse: s-maj=39.2km s-min=14.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=9.8km az=65.0.
MAN IX 09 11 47 55 13.55N 120.49E 33 4.0b,2.8L
¶13731309
ISC IX 12 04 53 20.8–.58 13.81N–.05 120.35E–.08 83–8 3.5b 19 1-60
ISCJB IX 12 04 53 19.8–.58 13.82N–.05 120.36E–.09 91–7 3.5b ¶11910091
IDC IX 12 04 53 20.6–1.3 13.89N 120.52E 86–16 3.4,3.2b
NEIC IX 12 04 53 21.0–.93 13.86N 120.49E 89–11 3.9b,3.2b
MAN IX 12 04 53 20 13.83N 120.23E 49 4.1b,2.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=8.7km az=177.9.
IDC Error ellipse: s-maj=45.8km s-min=18.9km az=61.0.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=11.1km az=59.0.
MAN IX 17 09 45 30 13.56N 120.98E 22 4.1b,2.9L
¶13734263
IDC IX 23 22 16 23.3–1.2 12.44N 120.64E 0 3.6,3.5b
¶11910902
IDC Error ellipse: s-maj=31.6km s-min=13.4km az=92.0.
ISC IX 27 02 39 42.0–3.5 13.4N–.10 120.5E–.20 23–27 4.1b 15 1-61
IDC IX 27 02 39 38.6–.91 13.30N 120.28E 0 4.2,4.0b ¶11911136
NEIC IX 27 02 39 40.1–.54 13.35N 120.41E 10 4.2b,4.0b
ISCJB IX 27 02 39 42.2–3.0 13.4N–.10 120.5E–.20 41–30 4.1b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 27 03 04 59.6–.29 13.45N–.01 120.55E–.02 70–2 5.5b 910 1-171
SZGRF IX 27 03 04 50.3 12.51N 121.51E 33 5.9b ¶11310631
NEIC IX 27 03 04 51.7–.12 13.47N 120.58E 10 5.6b
MOS IX 27 03 04 53.9–.81 13.49N 120.58E 33 5.8b,5.7s
MAN IX 27 03 04 54 13.33N 120.32E 73 5.3s,5.7s
IDC IX 27 03 04 55.4–1.7 13.48N 120.51E 34–13 5.3L,5.1b
GCMT IX 27 03 04 56.7–.10 13.50N 120.40E 17–0 5.7W,5.1b
ISCJB IX 27 03 04 57.6–.32 13.46N–.01 120.54E–.02 65–3 5.5b,5.1b
BJI IX 27 03 04 58.1 13.44N 120.62E 78 5.9s,5.6b
TEH IX 27 03 05 01.0 13.39N 120.49E 82 5.9s,5.6b
DJA IX 27 03 05 07 13.43N 120.52E 149 5.7W,5.6b
ISC Event type fe.
SZGRF Mindoro, Philippine Islands.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.3km az=50.0. Felt [V PIVS] at Calapan and Naujan. Felt [IV PIVS] at Apalit, Las Pinas and Manila; [III PIVS] at Batangas and Quezon City; [II PIVS] at Makati, Luzon.
MOS Error ellipse: s-maj=7.5km s-min=3.8km az=120.8.
MAN Event type fe. INTENSITY V - CALAPAN CITY; NAUJAN; INTENSITY IV - APALIT; MANILA; LAS PINAS; INTENSITY III - QUEZON CITY; BATANGAS CITY; INTENSITY II - MAKATI CITY.
IDC Error ellipse: s-maj=13.9km s-min=8.6km az=72.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=104, comp=212, per= 50. Moment Tensor Solution. s88,c173; s23,c23; Moment tensor: Scale 10^{17}Nm; M_{rr}-4.49±.08 $M_{\theta\theta}$2.32±.07; $M_{\phi\phi}$2.17±.08; $M_{r\theta}$0.59±.19; $M_{\theta\phi}$2.21±.06; $M_{\phi r}$1.68±.20; Best double couple: NP1: ϕ_s55.00000°,δ36.00000°,λ-75.00000°. NP2:ϕ_s217.00000°,δ55.00000°,λ-101.00000°. Principal axes: T 4.7300,Plg10.0000°,Azm314.0000°; N 0.1600,Plg9.0000°,Azm223.0000° ; P -4.8900,Plg77.0000°,Azm92.0000° $M_0$4.80000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=178.7.
ISC IX 27 03 08 47.9–2.2 13.37N–.09 120.4E–.10 24–16 4.5b 31 1-90
NEIC IX 27 03 08 45.8–.38 13.34N 120.38E 10 4.7b ¶15198347
ISCJB IX 27 03 08 46.5–4.3 13.33N–.08 120.4E–.10 27–31 4.5b
IDC IX 27 03 08 48.6–3.8 13.41N 120.45E 31–30 4.5,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.4km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=12.9km az=153.1.
IDC Error ellipse: s-maj=46.5km s-min=15.3km az=65.0.
ISC IX 27 03 09 13.5–.27 13.46N–.02 120.51E–.02 78–2 5.5b 838 1-171
SZGRF IX 27 03 09 00.6 12.11N 121.82E 33 6.0s,5.8b ¶13395292
NEIC IX 27 03 09 04.8–.13 13.48N 120.55E 11 5.9W,5.8W
MOS IX 27 03 09 06.7–1.1 13.51N 120.61E 33 5.9b,5.5s
IDC IX 27 03 09 08.1–1.6 13.50N 120.55E 33–11 5.1b,5.1
MAN IX 27 03 09 08 13.32N 120.08E 86 6.5s,6.4b
GCMT IX 27 03 09 09.6–.10 13.56N 120.46E 12 5.9W,6.4b
BJI IX 27 03 09 09.7 13.22N 120.70E 80 6.2b,5.8s
ISCJB IX 27 03 09 11.2–.31 13.45N–.02 120.50E–.02 70–3 5.5b,5.8s
TEH IX 27 03 09 14.0 13.40N 120.48E 77 5.5b,5.8s
DJA IX 27 03 09 15 13.69N 120.51E 96 5.6b,5.8s
ISC Event type fe.
SZGRF Mindoro, Philippine Islands.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.7km az=50.0. Felt [V PIVS] at Calapan, Naujan, Sablayan and on Lubang Island; [IV PIVS] at Puerto Galera; [II PIVS] at Navotas. Also felt at Taytay. Felt [IV PIVS] at Apalit and [III PIVS] at Manila, Molino and Quezon City, Luzon. Felt [IV] at Batangas. Also felt at Bacoor, Binan, Bocaue, Malolos, Olongapo, San Fernando and Tagaytay. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
MOS Error ellipse: s-maj=11.5km s-min=7.3km az=112.3.
IDC Error ellipse: s-maj=12.6km s-min=7.7km az=63.0.
MAN Event type fe. INTENSITY V - CALAPAN CITY; NAUJAN; LOOC; SABLAYAN.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=118, comp=266, per= 50. Moment Tensor Solution. s95,c196; s85,c118; Moment tensor: Scale 10^{17}Nm; M_{rr}-8.21±.08 $M_{\theta\theta}$3.34±.07; $M_{\phi\phi}$4.87±.07; $M_{r\theta}$2.94±.20; $M_{\theta\phi}$4.10±.05; $M_{\phi r}$1.63±.19; Best double couple: NP1: ϕ_s32.00000°,δ35.00000°,λ-103.00000°. NP2:ϕ_s228.00000°,δ56.00000°,λ-81.00000°. Principal axes: T 8.8600,Plg10.0000°,Azm311.0000°; N 0.0900,Plg7.0000°,Azm43.0000° ; P -8.9500,Plg77.0000°,Azm167.0000° $M_0$8.90000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.6km az=173.2.
ISC IX 27 03 10 50.6–2.1 13.4N–.10 120.4E–.20 43–20 5.1s,5.0b 19 1-91
IDC IX 27 03 10 44.6–.77 13.32N 120.07E 0 5.1,5.0s ¶11911138
NEIC IX 27 03 10 46.1–.46 13.34N 120.28E 10 5.1b,5.0s
ISCJB IX 27 03 10 49.4–2.3 13.4N–.10 120.3E–.20 47–21 5.1s,5.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 27 03 14 31.5–2.4 13.44N–.09 120.5E–.10 15–15 4.4b 23 1-87
IDC IX 27 03 14 29.2–.72 13.39N 120.29E 0 4.4b,4.4 ¶11911139
NEIC IX 27 03 14 30.6–.54 13.43N 120.39E 10 4.6b,4.4
ISCJB IX 27 03 14 31.6–2.1 13.45N–.09 120.4E–.10 29–16 4.4b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 27 03 17 42.0–.68 13.3N–.10 120.3E–.10 35 4.2b 10 1-80
IDC IX 27 03 17 36.8–.98 13.22N 120.12E 0 4.3,4.1b ¶11911140
NEIC IX 27 03 17 38.4–.60 13.25N 120.25E 10 4.4b,4.1b
ISCJB IX 27 03 17 40.0–.68 13.2N–.10 120.2E–.10 33 4.2b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 27 03 18 21.6–1.2 13.10N 120.22E 0 4.1,3.8b
¶11911141
IDC Error ellipse: s-maj=25.6km s-min=13.5km az=114.0.
ISC IX 27 03 24 45.2–3.7 13.3N–.20 120.7E–.20 14–25 3.9b 9 1-56
IDC IX 27 03 24 43.4–.99 13.26N 120.64E 0 4.1,3.9 ¶11911142
NEIC IX 27 03 24 44.6–.73 13.28N 120.64E 10 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=10.7km az=101.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=11.9km az=87.0.
ISC IX 27 03 26 32.3–1.8 13.31N–.09 120.5E–.10 45–18 4.2b 23 1-81
IDC IX 27 03 26 25.9–.84 13.22N 120.09E 0 4.3,4.2b ¶11911143
NEIC IX 27 03 26 27.8–.53 13.27N 120.35E 10 4.3b,4.2b
ISCJB IX 27 03 26 31.4–1.8 13.30N–.10 120.4E–.10 55–17 4.2b,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 27 03 31 29.1–2.5 13.5N–.30 120.8E–.60 70–28 4.0b 10 1-79
IDC IX 27 03 31 20.7–.97 13.28N 120.19E 0 4.9s,4.9 ¶11911144
NEIC IX 27 03 31 22.3–.62 13.28N 120.25E 10 4.1b,4.9
ISCJB IX 27 03 31 28.0–2.5 13.5N–.30 120.7E–.60 76–27 4.0b,4.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 27 03 32 23.1–.53 13.38N–.03 120.48E–.06 42–6 4.7s,4.5b 70 1-94
NEIC IX 27 03 32 18.2–.35 13.51N 120.69E 10 4.6b,4.5b ¶11310635
MAN IX 27 03 32 20 13.38N 120.33E 74 4.7b,3.6s
IDC IX 27 03 32 21.7–2.0 13.45N 120.45E 34–16 4.3,4.2b
ISCJB IX 27 03 32 22.0–.52 13.37N–.03 120.47E–.06 49–5 4.7s,4.5b
BJI IX 27 03 32 25.8 13.26N 120.63E 94 4.9b,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.0km az=68.0.
IDC Error ellipse: s-maj=22.3km s-min=11.5km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.7km az=3.5.
ISC IX 27 03 33 48.1–.72 13.3N–.10 120.4E–.10 35 4.1b 15 1-56
IDC IX 27 03 33 42.8–1.1 13.24N 120.18E 0 4.1,4.0b ¶11911145
NEIC IX 27 03 33 44.6–.56 13.24N 120.30E 10 4.3b,4.0b
ISCJB IX 27 03 33 46.1–.72 13.2N–.10 120.3E–.10 33 4.1b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 27 03 44 54.4–.69 13.3N–.10 120.3E–.10 35 4.2b 17 1-87
IDC IX 27 03 44 48.9–.82 13.24N 120.08E 0 4.2,4.1b ¶11911146
NEIC IX 27 03 44 50.8–.61 13.23N 120.22E 10 4.3b,4.1b
ISCJB IX 27 03 44 52.5–.69 13.2N–.10 120.2E–.10 33 4.2b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 27 03 49 10.3–2.7 13.38N–.10 120.4E–.10 24–19 4.2b 23 1-93
ISCJB IX 27 03 49 08.7–5.4 13.34N–.09 120.3E–.10 27–39 4.2b ¶11911147
NEIC IX 27 03 49 08.2–.39 13.35N 120.36E 10 4.3b
IDC IX 27 03 49 10.3–3.2 13.39N 120.39E 25–21 4.2,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=13.4km az=156.1.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.0km az=78.0.
IDC Error ellipse: s-maj=26.5km s-min=14.2km az=74.0.
IDC IX 27 04 00 35.5–1.4 13.25N 120.40E 0 4.2,3.9

¶11911149

IDC Error ellipse: s-maj=31.8km s-min=11.3km az=113.0.
ISC IX 27 04 10 12.9–.83 13.4N–.10 120.7E–.20 35 4.0b 8 1-56
IDC IX 27 04 10 07.6–1.0 13.31N 120.40E 0 4.1,3.9b **¶11911151**
NEIC IX 27 04 10 09.3–.77 13.30N 120.51E 10 4.0b,3.9b
ISCJB IX 27 04 10 10.8–.83 13.3N–.10 120.5E–.20 33 4.0b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 27 04 30 49.0–.59 13.31N–.09 120.4E–.10 35 4.1b 18 1-80
IDC IX 27 04 30 43.9–.92 13.27N 120.16E 0 4.2,4.0b **¶11911152**
NEIC IX 27 04 30 45.4–.44 13.26N 120.30E 10 4.3b,4.0b
ISCJB IX 27 04 30 47.0–.59 13.25N–.09 120.3E–.10 33 4.1b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 27 04 41 45.7–5.5 13.39N–.09 120.6E–.20 30–41 4.3b 29 1-91
IDC IX 27 04 41 41.5–.72 13.29N 120.34E 0 4.3,4.2 **¶11911154**
NEIC IX 27 04 41 42.8–.32 13.33N 120.48E 10 4.4b,4.2
ISCJB IX 27 04 41 44.8–2.4 13.3N–.10 120.5E–.20 37–23 4.3b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 27 05 11 43.4–1.2 13.23N 120.24E 0 4.2,3.9b

¶11911158

IDC Error ellipse: s-maj=26.1km s-min=11.9km az=119.0.
ISC IX 27 05 35 35.5–.59 13.32N–.04 120.47E–.05 46–6 4.5b,3.8s 64 1-120
IDC IX 27 05 35 28.8–.57 13.31N 120.36E 0 4.5,4.4 **¶11911162**
BJI IX 27 05 35 29.8 12.83N 120.29E 27 5.0b,4.6b
NEIC IX 27 05 35 32.1–1.7 13.37N 120.55E 20–10 4.7b,4.6b
MAN IX 27 05 35 33 13.30N 120.43E 83 4.7b,3.6s
ISCJB IX 27 05 35 34.5–.56 13.32N–.04 120.46E–.05 53–6 4.5b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 27 05 45 56.3–1.3 13.29N 120.51E 0 4.2,3.9

¶11911164

IDC Error ellipse: s-maj=31.5km s-min=10.6km az=109.0.
ISC IX 27 05 59 24.5–1.6 13.26N–.05 120.24E–.09 3–11 4.0b 17 0-56
ISCJB IX 27 05 59 23.7–1.7 13.26N–.05 120.17E–.09 7–11 4.0b **¶11911166**
IDC IX 27 05 59 23.1–1.0 13.48N 120.64E 0 4.1,4.0
MAN IX 27 05 59 27 13.20N 120.35E 80 4.3b,3.2L
ISCJB Error ellipse: s-maj=14.1km s-min=7.8km az=172.7.
IDC Error ellipse: s-maj=57.2km s-min=17.0km az=62.0.
IDC IX 27 06 00 55.8–1.1 13.43N 120.61E 0 4.1,3.9

¶11911167

IDC Error ellipse: s-maj=59.2km s-min=18.7km az=62.0.
IDC IX 27 06 05 04.7–1.1 13.26N 120.20E 0 3.8,3.6b

¶11911168

IDC Error ellipse: s-maj=23.9km s-min=12.6km az=117.0.
ISC IX 27 06 40 49.3–.38 13.46N–.02 120.50E–.03 61–3 5.0b 378 1-171
SZGRF IX 27 06 40 33.9 12.31N 123.58E 33 5.2b **¶11310637**
NEIC IX 27 06 40 42.6–.18 13.53N 120.63E 10 5.1b,4.3s
MOS IX 27 06 40 44.6–.73 13.56N 120.63E 33 5.3b,4.3s
MAN IX 27 06 40 45 13.38N 120.28E 72 5.4b,4.6s
IDC IX 27 06 40 45.8–2.0 13.49N 120.46E 30–14 4.6,4.6
GCMT IX 27 06 40 45.8–.30 13.48N 120.37E 14–1 4.8W,4.6
ISCJB IX 27 06 40 47.4–.39 13.44N–.02 120.50E–.04 58–3 5.0b,4.1s
DJA IX 27 06 40 51 13.41N 119.92E 30 5.0b,4.1s
BJI IX 27 06 40 55.4 13.66N 120.39E 117 5.0b,4.7b
ISC Event type fe.
SZGRF Luzon, Philippine Islands.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=4.0km az=70.0. Felt [III PIVS] at Calapan and [I PIVS] at Puerto Galera.
MOS Error ellipse: s-maj=14.3km s-min=5.0km az=122.8.
MAN Event type fe. INTENSITY III - CALAPAN; INTENSITY II - QUEZON CITY.
IDC Error ellipse: s-maj=18.1km s-min=10.1km az=67.0.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s16,c18; s69,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.09±.20 $M_{\theta\theta}$1.22±.12; $M_{\phi\phi}$0.87±.13; $M_{r\theta}$-0.36±.30; $M_{\theta\phi}$1.21±.07; $M_{\phi r}$0.58±.31; Best double couple: NP1:ϕ_s66.00000°,δ46.00000°,λ-65.00000°. NP2:ϕ_s212.00000°,δ49.00000°,λ-113.00000°. Principal axes: T 2.2700,Plg2.0000° ,Azm319.0000°; N 0.0300,Plg18.0000°,Azm228.0000°; P -2.3100,Plg72.0000°,Azm54.0000° M_o2.30000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.7km s-min=3.5km az=177.5.
ISC IX 27 06 56 37.4–.54 13.35N–.03 120.41E–.05 41–6 4.7b 149 1-120
BJI IX 27 06 56 29.0 12.78N 120.78E 26 4.8b **¶11378010**
IDC IX 27 06 56 31.4–.49 13.46N 120.50E 0 4.6,4.5
NEIC IX 27 06 56 33.1–.25 13.45N 120.52E 10 4.9b,4.5
MOS IX 27 06 56 34.7–.90 13.48N 120.57E 33 4.9b,4.5
MAN IX 27 06 56 35 13.32N 120.30E 46 4.7b,3.6s
ISCJB IX 27 06 56 36.3–.52 13.35N–.03 120.39E–.05 46–5 4.7b,3.6s
ISC Event type fe.
NEIC Event type fe. Felt [III PIVS] at Calapan and [I PIVS] at Puerto Galera.
MAN Event type fe. INTENSITY III - CALAPAN; INTENSITY I - PUERTO GALERA.
ISCJB Event type fe.
IDC IX 27 07 10 43.3–1.0 13.25N 120.21E 0 4.1,3.9b

¶11911173

IDC Error ellipse: s-maj=21.4km s-min=12.3km az=118.0.
ISC IX 27 07 35 02.6–1.3 13.40N–.08 120.33E–.08 13–12 4.0b 13 0-39
IDC IX 27 07 35 00.7–1.5 13.34N 120.22E 0 4.2,4.0b **¶11911175**
ISCJB IX 27 07 35 02.7–1.0 13.44N–.07 120.28E–.08 25–12 4.0b,4.0b
MAN IX 27 07 35 02 13.64N 120.22E 33 4.4b,3.2L
IDC Error ellipse: s-maj=34.7km s-min=16.9km az=106.0.
ISCJB Error ellipse: s-maj=14.6km s-min=9.6km az=40.2.
ISC IX 27 07 43 14.8–1.3 13.42N–.05 120.37E–.08 10–11 4.0b 11 0-39
IDC IX 27 07 43 12.9–1.4 13.31N 120.30E 0 4.1,3.9b **¶11911176**
MAN IX 27 07 43 13 13.65N 120.19E 46 4.3b,3.1L
ISCJB IX 27 07 43 14.3–1.2 13.45N–.06 120.31E–.07 14–9 4.0b,3.1L
ISC IX 27 09 06 58.6–1.4 13.44N–.09 120.35E–.08 12–13 3.8b 11 0-39
IDC IX 27 09 06 56.6–1.6 13.36N 120.30E 0 4.1,3.9b **¶11911183**
MAN IX 27 09 06 57 13.66N 120.23E 34 4.8b,3.7s
ISCJB IX 27 09 06 58.7–1.1 13.49N–.08 120.30E–.08 26–11 3.8b,3.7s
IDC IX 27 09 46 22.2–1.4 13.29N 120.07E 0 3.9s,3.9

¶11911184

IDC Error ellipse: s-maj=30.0km s-min=13.4km az=119.0.
IDC IX 27 10 05 38.1–1.5 13.20N 120.32E 0 3.7,3.5b

¶11911185

IDC Error ellipse: s-maj=35.7km s-min=12.7km az=110.0.
ISC IX 27 10 18 54.5–1.1 13.40N–.04 120.34E–.05 10–7 4.1b,3.4s 28 0-79
IDC IX 27 10 18 52.6–.88 13.37N 120.34E 0 4.1,3.9 **¶11911186**
ISCJB IX 27 10 18 54.9–.97 13.43N–.04 120.28E–.05 23–8 4.1b,3.4s
MAN IX 27 10 18 55 13.40N 120.37E 14 4.6b,3.5L
NEIC IX 27 10 18 56.7–1.9 13.45N 120.50E 28–14 4.3b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=11.0km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.6km az=0.1.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=10.4km az=60.0.
ISC IX 27 10 22 04.4–1.8 13.36N–.07 120.38E–.07 9–13 3.9b 14 0-46
IDC IX 27 10 22 02.5–1.1 13.27N 120.41E 0 4.1,3.9 **¶11911188**
ISCJB IX 27 10 22 04.1–1.8 13.42N–.06 120.30E–.06 14–13 3.9b,3.9
MAN IX 27 10 22 06 13.36N 120.39E 14 4.3b,3.1L
IDC Error ellipse: s-maj=22.6km s-min=11.4km az=113.0.
ISCJB Error ellipse: s-maj=10.8km s-min=9.0km az=23.7.
IDC IX 27 11 00 35.7–1.5 13.18N 120.61E 0 3.6,3.4b

¶11911190

IDC Error ellipse: s-maj=48.7km s-min=12.1km az=99.0.
MAN IX 27 12 14 16 13.66N 120.21E 35 4.1b,2.9L

¶13737616

ISC IX 27 12 35 56.0–.98 13.32N–.04 120.39E–.06 1–8 3.7b 13 0-49
IDC IX 27 12 35 55.9–1.3 13.21N 120.51E 0 4.1,3.8 **¶11911193**
ISCJB IX 27 12 35 56.0–1.4 13.35N–.06 120.34E–.07 7–13 3.7b,3.8
MAN IX 27 12 35 58 13.36N 120.34E 29 4.4b,3.3L
IDC Error ellipse: s-maj=31.3km s-min=11.0km az=107.0.
ISCJB Error ellipse: s-maj=11.9km s-min=8.0km az=34.9.
IDC IX 27 12 39 34.4–1.2 13.29N 120.39E 0 3.9,3.6b

¶11911194

IDC Error ellipse: s-maj=26.0km s-min=11.1km az=114.0.
MAN IX 27 12 56 47 13.54N 120.81E 123 4.8b,3.7s

¶13737617

IDC IX 27 13 02 02.6–1.6 13.32N 120.25E 0 3.9,3.7b

¶11911197

IDC Error ellipse: s-maj=35.1km s-min=12.1km az=117.0.
IDC IX 27 13 15 19.8–1.6 13.33N 120.29E 0 3.8,3.6b

¶11911199

IDC Error ellipse: s-maj=35.3km s-min=12.2km az=116.0.
ISC IX 27 13 34 47.9–1.3 13.37N–.04 120.36E–.05 6–9 4.2b 31 0-80
IDC IX 27 13 34 46.7–.85 13.35N 120.41E 0 4.2,4.0 **¶11911200**
MAN IX 27 13 34 46 13.35N 120.31E 1 4.4b,3.2L
ISCJB IX 27 13 34 48.0–1.6 13.43N–.04 120.31E–.05 15–11 4.2b,3.2L
NEIC IX 27 13 34 50.9–2.3 13.44N 120.54E 28–16 4.5b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=10.8km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.4km az=165.6.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=10.4km az=65.0.
ISC IX 27 13 45 57.0–1.9 13.32N–.06 120.59E–.07 14–14 3.8b 13 1-49
IDC IX 27 13 45 55.1–1.1 13.19N 120.47E 0 4.0,3.8 **¶11911201**
MAN IX 27 13 45 55 13.46N 120.23E 15 4.5b,3.4L
IDC Error ellipse: s-maj=27.0km s-min=11.2km az=107.0.
IDC IX 27 14 38 01.9–1.6 13.29N 120.20E 0 3.8,3.6b

¶11911202

IDC Error ellipse: s-maj=35.0km s-min=12.4km az=117.0.
IDC IX 27 14 42 43.3–1.7 13.24N 120.10E 0 3.6,3.4b

¶11911203

IDC Error ellipse: s-maj=36.6km s-min=14.4km az=118.0.
IDC IX 27 14 58 33.7–.97 13.29N 120.30E 0 3.9,3.8

¶11911205

IDC Error ellipse: s-maj=20.1km s-min=11.6km az=119.0.
IDC IX 27 14 59 34.2–1.2 13.43N 120.13E 0 3.8,3.6b

¶11911206

IDC Error ellipse: s-maj=24.2km s-min=12.7km az=128.0.
ISC IX 27 15 29 10.9–.96 13.33N–.04 120.35E–.05 3–7 4.1b 23 0-76
ISCJB IX 27 15 29 10.5–1.2 13.37N–.04 120.30E–.05 10–8 4.1b **¶11911209**
IDC IX 27 15 29 10.0–1.0 13.26N 120.36E 0 4.2,3.9b
NEIC IX 27 15 29 13.5–2.8 13.35N 120.53E 25–21 4.4b,3.9b
MAN IX 27 15 29 13 13.26N 120.41E 65 4.8b,3.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.8km az=4.9.
IDC Error ellipse: s-maj=21.9km s-min=11.1km az=116.0.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=12.6km az=67.0.
ISC IX 27 16 20 48.1–.52 13.40N–.05 120.37E–.07 10 3.8b 20 0-46
IDC IX 27 16 20 46.5–1.0 13.31N 120.41E 0 4.0,3.7 **¶11911214**
ISCJB IX 27 16 20 47.0–.53 13.40N–.04 120.33E–.07 10 3.8b,3.7
MAN IX 27 16 20 47 13.41N 120.32E 7 4.5b,3.4L
IDC Error ellipse: s-maj=21.4km s-min=11.0km az=115.0.
ISCJB Error ellipse: s-maj=9.3km s-min=6.2km az=2.6.
IDC IX 27 16 33 17.2–1.6 13.36N 120.31E 0 3.7,3.5b

¶11911215

IDC Error ellipse: s-maj=36.8km s-min=11.6km az=116.0.
ISC IX 27 18 57 30.5–1.2 13.38N–.05 120.34E–.06 13–8 4.0b 21 0-56
IDC IX 27 18 57 28.0–1.1 13.35N 120.22E 0 4.0,3.8b **¶11911220**
NEIC IX 27 18 57 30.0–.90 13.36N 120.45E 10 4.4b,3.8b
ISCJB IX 27 18 57 30.8–1.0 13.42N–.05 120.29E–.06 26–8 4.0b,3.8b
MAN IX 27 18 57 30 13.36N 120.31E 10 4.4b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=11.7km az=121.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=15.5km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.6km az=5.4.
IDC IX 27 20 19 21.3–1.4 13.20N 120.51E 0 4.0,3.7b

¶11911226

IDC Error ellipse: s-maj=33.2km s-min=11.4km az=107.0.
IDC IX 27 20 22 43.8–1.1 13.20N 120.25E 0 3.8,3.6b

¶11911227

IDC Error ellipse: s-maj=24.2km s-min=12.1km az=116.0.
ISC IX 27 20 43 31.2–3.1 13.4N–.10 120.3E–.20 12–20 4.2b 14 1-56
IDC IX 27 20 43 29.5–.93 13.37N 120.29E 0 4.3,4.1 **¶11911230**
NEIC IX 27 20 43 31.3–2.7 13.42N 120.34E 13–18 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=11.2km az=126.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=10.3km az=60.0.
ISC IX 27 22 16 59.1–2.0 13.4N–.10 120.5E–.20 58–21 3.8b 10 1-79
IDC IX 27 22 16 51.7–.97 13.28N 120.12E 0 4.1,3.9b **¶11911237**
NEIC IX 27 22 16 53.5–.72 13.27N 120.30E 10 4.1,3.9b
ISCJB IX 27 22 16 58.2–2.0 13.4N–.10 120.5E–.20 67–21 3.8b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 28 05 58 38.3–1.1 13.34N–.06 120.5E–.10 41–13 4.1b 21 1-79
IDC IX 28 05 58 32.5–.98 13.47N 120.64E 0 4.2,4.0b **¶11911252**
NEIC IX 28 05 58 34.0–.47 13.48N 120.69E 10 4.3b,4.0b
MAN IX 28 05 58 33 13.41N 120.34E 1 4.6b,3.5L
ISCJB IX 28 05 58 37.3–1.0 13.35N–.06 120.4E–.10 49–11 4.1b,3.5L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 28 07 36 55.2–.86 13.27N–.06 120.42E–.08 40–12 3.9b 17 1-81
IDC IX 28 07 36 49.4–.95 13.50N 120.70E 0 4.1,3.9b **¶11911256**
ISCJB IX 28 07 36 54.3–.80 13.27N–.06 120.37E–.09 48–11 3.9b,3.9b
MAN IX 28 07 36 54 13.29N 120.26E 32 4.4b,3.3L
IDC Error ellipse: s-maj=59.5km s-min=17.2km az=63.0.
ISCJB Error ellipse: s-maj=15.8km s-min=8.2km az=19.0.
IDC IX 28 08 04 47.4–1.2 14.00N 121.97E 0 3.9,3.7b

¶11911257

IDC Error ellipse: s-maj=25.6km s-min=12.1km az=20.0.
ISC IX 28 09 28 30.8–1.1 13.41N–.08 120.5E–.10 43–16 3.8b 9 1-39
IDC IX 28 09 28 25.9–1.3 13.22N 120.48E 0 4.1,3.8 **¶11911264**
ISCJB IX 28 09 28 30.0–1.1 13.41N–.08 120.5E–.10 54–13 3.8b,3.8
IDC IX 28 20 02 11.9–10 13.41N 120.08E 0 3.7,3.5b

¶11911290

IDC Error ellipse: s-maj=215.6km s-min=13.2km az=125.0.
ISC IX 28 20 04 56.4–1.9 13.21N–.09 120.37E–.08 31–14 4.3b 17 1-50
IDC IX 28 20 04 51.9–.86 13.26N 120.51E 0 4.3,4.1b **¶11911291**
NEIC IX 28 20 04 53.1–.58 13.29N 120.52E 10 4.7b,4.1b
MAN IX 28 20 04 54 13.35N 120.43E 71 4.7b,3.5s
ISCJB IX 28 20 04 55.8–2.5 13.20N–.10 120.4E–.10 43–25 4.3b,3.5s
ISC Event type fe.
NEIC Event type fe. Felt [III PIVS] at Paluan.
MAN Event type fe. INTENSITY III - PALUAN OCCIDENTAL MINDORO.
ISCJB Event type fe.
ISC IX 28 20 21 38.9–.71 13.3N–.10 120.36E–.07 35 3.9b 11 1-56
IDC IX 28 20 21 33.8–.86 13.33N 120.38E 0 4.1,3.9b **¶11911294**
NEIC IX 28 20 21 36.0–3.3 13.40N 120.50E 16–23 4.1,3.9b
ISCJB IX 28 20 21 36.7–.71 13.34N–.10 120.31E–.07 33 3.9b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 28 20 27 52.1–1.5 13.35N–.03 120.30E–.04 10–10 4.3b 42 1-91
IDC IX 28 20 27 50.0–.77 13.33N 120.30E 0 4.4,4.2 **¶11911295**
BJI IX 28 20 27 49.7 13.37N 121.10E 28 5.2b,4.9b
NEIC IX 28 20 27 51.6–.45 13.38N 120.47E 10 4.4b,4.9b
MAN IX 28 20 27 51 13.31N 120.37E 2 5.3b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=18.3km s-min=11.4km az=121.0.

NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=8.6km az=81.0. Felt [III PIVS] at Paluan.
MAN Event type fe. INTENSITY III - PALUAN OCCIDENTAL MINDORO.
ISC IX 28 23 18 21.2–2.4 13.37N–.07 120.5E–.10 16–15 4.1b 20 1-50
IDC IX 28 23 18 18.9–1.0 13.30N 120.30E 0 4.2,4.0b ¶11911304
NEIC IX 28 23 18 20.3–.36 13.34N 120.50E 10 4.2b,4.0b
ISCJB IX 28 23 18 21.2–2.2 13.39N–.08 120.5E–.10 32–16 4.1b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 28 23 25 52.1–1.4 13.37N–.05 120.58E–.08 35–14 3.8b 32 1-89
IDC IX 28 23 25 47.4–1.2 13.26N 120.28E 0 3.7,3.5b ¶11911305
NEIC IX 28 23 25 48.5–.28 13.36N 120.54E 10 4.2b,3.5b
ISCJB IX 28 23 25 50.9–1.4 13.34N–.05 120.53E–.08 43–13 3.8b,3.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 29 06 56 15.6–1.1 13.26N 120.29E 0 4.0,3.9
¶11911323
IDC Error ellipse: s-maj=25.6km s-min=12.0km az=113.0.
IDC IX 29 12 01 10.3–1.4 13.27N 120.11E 0 3.6,3.4b
¶11911336
IDC Error ellipse: s-maj=31.2km s-min=13.7km az=117.0.
ISC IX 29 15 37 25.8–.62 13.28N–.04 120.21E–.08 10 3.7b 18 0-39
IDC IX 29 15 37 24.0–1.2 13.19N 120.29E 0 4.0,3.7b ¶11911348
ISCJB IX 29 15 37 24.9–.64 13.28N–.04 120.16E–.08 10 3.7b,3.7b
MAN IX 29 15 37 24 13.21N 120.23E 1 4.5b,3.4L
IDC Error ellipse: s-maj=25.5km s-min=12.1km az=117.0.
ISCJB Error ellipse: s-maj=11.2km s-min=5.3km az=8.1.
ISC IX 29 17 42 27.5–1.4 13.28N–.05 120.17E–.08 11–10 3.5b 17 0-50
IDC IX 29 17 42 25.2–1.1 13.26N 120.12E 0 3.5,3.4 ¶11911370
NEIC IX 29 17 42 26.8–.70 13.28N 120.21E 10 3.9b,3.4
ISCJB IX 29 17 42 27.8–1.1 13.31N–.05 120.11E–.09 26–10 3.5b,3.4
MAN IX 29 17 42 27 13.30N 120.18E 7 4.7b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=12.5km az=127.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=12.1km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=8.8km az=176.4.
ISC IX 29 18 38 53.9–.53 13.39N–.05 120.32E–.07 10 4.0b 20 0-56
ISCJB IX 29 18 38 52.6–.55 13.40N–.04 120.26E–.07 10 4.0b ¶11911379
IDC IX 29 18 38 52.0–1.1 13.31N 120.27E 0 4.2,3.9b
NEIC IX 29 18 38 52.8–.58 13.98N 121.89E 10 4.0b,3.9b
MAN IX 29 18 38 54 13.40N 120.33E 16 4.5b,3.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.3km az=5.9.
IDC Error ellipse: s-maj=25.2km s-min=11.7km az=117.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=9.1km az=46.0.
ISC IX 29 20 41 22.2–1.2 13.37N–.04 120.35E–.07 0–9 3.8b 22 0-56
ISCJB IX 29 20 41 21.9–1.3 13.39N–.05 120.31E–.07 7–10 3.9b ¶11911393
IDC IX 29 20 41 21.9–.97 13.30N 120.49E 0 4.0,3.8
MAN IX 29 20 41 21 13.38N 120.33E 1 4.5b,3.4L
NEIC IX 29 20 41 23.0–.85 13.35N 120.55E 10 4.2b,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=8.1km az=176.1.
IDC Error ellipse: s-maj=24.0km s-min=15.0km az=93.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=14.0km az=92.0.
ISC IX 29 21 19 42.7–1.0 13.46N–.03 120.38E–.05 17–6 4.2b,3.1s 62 0-91
IDC IX 29 21 19 39.9–.62 13.37N 120.32E 0 4.3,4.1 ¶11911402
NEIC IX 29 21 19 41.3–.25 13.46N 120.47E 10 4.6b,4.1
MAN IX 29 21 19 41 13.43N 120.25E 11 4.5b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=10.0km az=114.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=91.0.
MAN IX 29 22 28 50 13.65N 120.35E 52 4.2b,3.1L
¶13738297
ISC X 01 11 11 28.3–1.3 13.34N–.05 120.28E–.05 3–9 4.2b 34 0-79
IDC X 01 11 11 27.2–.91 13.28N 120.28E 0 4.2,4.1 ¶11911547
MAN X 01 11 11 27 13.33N 120.31E 1 4.3b,3.2L
ISCJB X 01 11 11 28.1–1.1 13.38N–.05 120.22E–.05 13–7 4.2b,3.2L
NEIC X 01 11 11 29.8–3.0 13.37N 120.44E 19–19 4.5b,3.2L
ISC Event type fe.
IDC Error ellipse: s-maj=19.4km s-min=11.4km az=123.0.
MAN Event type fe. INTENSITY III - PALUAN OCCIDENTAL MINDORO.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=8.2km az=158.5.
NEIC Event type fe. Error ellipse: s-maj=27.7km s-min=12.3km az=62.0. Felt [III PIVS] at Paluan.
ISC X 01 12 22 11.3–1.5 13.31N–.04 120.32E–.04 22–12 4.2b 48 1-87
IDC X 01 12 22 07.3–.73 13.30N 120.24E 0 4.3,4.2b ¶11911551
NEIC X 01 12 22 08.9–.44 13.34N 120.43E 10 4.5b,4.2b
ISCJB X 01 12 22 11.8–.57 13.32N–.04 120.31E–.05 42–7 4.2b,4.2b
MAN X 01 12 22 11 13.30N 120.32E 40 4.3b,3.2L
ISC Event type fe.
IDC Error ellipse: s-maj=16.7km s-min=10.8km az=120.0.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=8.6km az=81.0. Felt [III PIVS] at Paluan.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=6.1km az=13.0.
MAN Event type fe. INTENSITY III - PALUAN OCCIDENTAL MINDORO.
ISC X 01 14 07 15.6–1.1 13.26N–.04 120.18E–.05 6–7 4.1b 34 0-87
IDC X 01 14 07 13.9–.91 13.25N 120.19E 0 4.3,4.0 ¶11911554
ISCJB X 01 14 07 15.7–1.5 13.30N–.04 120.14E–.05 15–10 4.1b,4.0
MAN X 01 14 07 15 13.25N 120.27E 1 4.8b,3.7s
NEIC X 01 14 07 15.4–.57 13.26N 120.31E 10 4.5b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=11.8km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=7.4km az=17.7.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.7km az=83.0.
ISC X 01 18 04 28.7–.11 13.45N–.02 120.43E–.02 39 5.4s,5.3b 689 1-171
BJI X 01 18 04 23.8 13.07N 120.70E 45 5.6s,5.4b ¶13395632
NEIC X 01 18 04 23.9–.17 13.37N 120.44E 10 5.5W,5.5W
ISCJB X 01 18 04 26.7–.11 13.44N–.02 120.43E–.02 36 5.4s,5.3b
MOS X 01 18 04 26.9–.95 13.47N 120.49E 42 5.5b,5.4s
IDC X 01 18 04 26.7–1.6 13.41N 120.48E 28–10 5.1s,5.1
GCMT X 01 18 04 27.6–.10 13.49N 120.33E 14–0 5.5W,5.1
MAN X 01 18 04 27 13.30N 120.21E 54 5.3s,5.1
DJA X 01 18 04 39 13.58N 120.34E 138 5.4W,5.1
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=4.0km az=75.0. Felt [IV PIVS] at Paluan and [III PIVS] at Puerto Galera. Felt [IV] at Manila and [II PIVS] at Muntinlupa, Quezon City and Tagaytay, Luzon. Moment Tensor Solution. s71 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.65 $M_{\theta\theta}$0.78 $M_{\phi\phi}$0.87 $M_{r\theta}$-0.21 $M_{\theta\phi}$0.85 $M_{\phi r}$1.21 Best double couple: NP1:ϕ_s198.00000° ,δ62.00000°,λ-115.00000°. NP2:ϕ_s63.00000°,δ37.00000°,λ-52.00000°. Principal axes: T 1.8500,Plg13.0000°,Azm306.0000°; N 0.3700,Plg21.0000°,Azm210.0000° ; P -2.2300,Plg64.0000°,Azm66.0000° $M_0$2.10000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.1km az=166.6.
MOS Error ellipse: s-maj=8.5km s-min=4.3km az=120.6.
IDC Error ellipse: s-maj=13.2km s-min=8.3km az=65.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 98, comp=210, per= 50. Moment Tensor Solution. s89,c168; s48,c60; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.24±.03 $M_{\theta\theta}$1.25±.03; $M_{\phi\phi}$0.99±.03; $M_{r\theta}$0.51±.06; $M_{\theta\phi}$1.43±.02; $M_{\phi r}$0.86±.07; Best double couple: NP1: ϕ_s56.00000°,δ35.00000°,λ-77.00000°. NP2:ϕ_s220.00000°,δ56.00000°,λ-99.00000°. Principal axes: T 2.7400,Plg11.0000°,Azm316.0000°; N -0.2800,Plg7.0000°,Azm225.0000° ; P -2.4600,Plg77.0000°,Azm102.0000° $M_0$2.60000×10^{17}
MAN Event type fe. INTENSITY IV - PALUAN OCC. MINDORO INTENSITY III - PUERTO GALERA INTENSITY II - TAGAYTAY MAKATI QUEZON CITY.
ISC X 01 18 06 51.4–.20 13.42N–.03 120.50E–.04 19 5.2s,5.1b 311 1-151
ISCJB X 01 18 06 49.2–.20 13.44N–.03 120.63E–.04 18 5.2s,5.1b ¶11322872
NEIC X 01 18 06 49.8–.21 13.47N 120.57E 10 5.2b,5.1b
MAN X 01 18 06 52 13.29N 120.37E 12 4.8b,3.7s
MOS X 01 18 06 53.9–1.0 13.51N 120.59E 54 5.4b,5.0s
IDC X 01 18 06 53.7–2.0 13.49N 120.36E 33–14 4.8s,4.8
BJI X 01 18 06 54.3 13.59N 120.66E 24 5.3s,5.2b
SZGRF X 01 18 07 03.6 15.71N 120.00E 33 5.3b,5.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=3.9km az=153.8.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.9km az=61.0. Felt [III] at Manila, Luzon.
MOS Error ellipse: s-maj=11.0km s-min=5.9km az=123.0.
IDC Error ellipse: s-maj=18.4km s-min=10.5km az=56.0.
SZGRF Luzon, Philippine Islands.
ISC X 01 18 20 12.7–1.9 13.31N–.09 120.3E–.20 10–16 3.2b 11 0-46
IDC X 01 18 20 10.5–1.1 13.09N 120.25E 0 3.5,3.3b ¶11911565
ISCJB X 01 18 20 12.6–1.3 13.38N–.09 120.3E–.20 22–14 3.2b,3.3b
MAN X 01 18 20 12 13.53N 120.44E 34 4.3b,3.1L
IDC Error ellipse: s-maj=22.5km s-min=13.0km az=113.0.
ISCJB Error ellipse: s-maj=38.6km s-min=11.7km az=165.1.
ISC X 01 18 24 08.8–.77 13.57N–.09 120.4E–.10 42–7 3.4b 11 0-46
MAN X 01 18 22 09 13.52N 120.05E 21 4.2b,3.0L ¶11911567
IDC X 01 18 24 03.0–1.1 13.31N 120.18E 0 3.8s,3.8
ISCJB X 01 18 24 07.8–.73 13.57N–.09 120.4E–.20 50–6 3.4b,3.8
ISC X 01 18 24 45.4–.64 13.30N–.08 120.4E–.10 10 3.9b 20 1-79
ISCJB X 01 18 24 43.6–.63 13.25N–.08 120.25E–.10 10 3.9b ¶11911568
IDC X 01 18 24 44.0–.91 13.27N 120.25E 0 4.0,3.8b
NEIC X 01 18 24 45.3–.48 13.30N 120.36E 10 4.2b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=10.9km az=13.9.
IDC Error ellipse: s-maj=19.1km s-min=11.7km az=121.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.9km az=82.0.
ISC X 01 18 29 17.0–1.8 13.41N–.09 120.2E–.20 14–14 3.5b 9 0-39
IDC X 01 18 29 14.9–1.5 13.35N 120.08E 0 3.6,3.4b ¶11911569
MAN X 01 18 29 16 13.53N 120.07E 28 4.4b,3.3L
ISCJB X 01 18 29 17.0–2.1 13.45N–.09 120.2E–.30 27–18 3.5b,3.3L
MAN X 01 18 36 48 13.70N 120.40E 70 4.3b,3.1L
¶13739011
ISC X 01 18 48 07.0–1.2 13.39N–.05 120.20E–.06 10–8 4.3b 37 0-87
ISCJB X 01 18 48 06.9–1.1 13.41N–.06 120.17E–.07 20–8 4.3b ¶11911571
NEIC X 01 18 48 06.9–.53 13.39N 120.28E 10 4.4b
MAN X 01 18 48 07 13.43N 120.10E 16 4.8b,3.8s
IDC X 01 18 48 10.5–2.5 13.47N 120.31E 34–22 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=8.7km az=159.1.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.9km az=82.0.
IDC Error ellipse: s-maj=27.4km s-min=14.1km az=69.0.
IDC X 01 19 06 37.8–1.4 13.37N 120.05E 0 4.1,3.8b
¶11911573
IDC Error ellipse: s-maj=28.5km s-min=12.9km az=124.0.
ISC X 01 19 07 44.0–.34 13.25N–.04 120.18E–.04 10 4.4b,3.7s 68 1-87
ISCJB X 01 19 07 42.1–.35 13.21N–.04 120.11E–.04 10 4.4b,3.7s ¶13395638
NEIC X 01 19 07 42.6–.42 13.30N 120.41E 10 4.7b,3.7s
MAN X 01 19 07 44 13.26N 120.19E 15 4.5b,3.3L
IDC X 01 19 07 46.1–2.3 13.32N 120.42E 35–21 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.5km az=33.5.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.7km az=68.0.
IDC Error ellipse: s-maj=27.3km s-min=13.8km az=73.0.
MAN X 01 19 18 58 13.30N 120.28E 1 4.6b,3.5s
¶13739012
ISC X 01 20 28 59.2–1.0 13.35N–.06 120.1E–.20 10 3.2b 9 0-39
ISCJB X 01 20 28 57.9–1.2 13.36N–.06 120.1E–.20 10 3.2b ¶11911582
IDC X 01 20 28 57.7–1.7 13.28N 120.13E 0 3.5,3.4s
ISCJB Error ellipse: s-maj=24.1km s-min=6.7km az=15.6.
IDC Error ellipse: s-maj=36.0km s-min=13.7km az=120.0.
ISC X 01 20 29 42.7–2.2 13.39N–.09 120.20E–.06 5–13 4.1b 36 1-87
NEIC X 01 20 29 42.8–.54 13.39N 120.34E 10 4.6b ¶11911583
IDC X 01 20 29 46.0–2.5 13.43N 120.40E 33–21 4.0,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=10.3km az=111.0.
IDC Error ellipse: s-maj=28.0km s-min=15.0km az=71.0.
ISC X 01 20 47 23.9–1.6 13.34N–.07 120.3E–.10 7–13 3.9b 22 0-50
IDC X 01 20 47 22.9–.91 13.26N 120.24E 0 4.0,3.8 ¶11911586
ISCJB X 01 20 47 24.2–1.2 13.38N–.07 120.3E–.10 20–12 3.9b,3.8
MAN X 01 20 47 24 13.48N 120.35E 28 4.2b,3.0L
NEIC X 01 20 47 24.1–.55 13.29N 120.30E 10 4.3b,3.0L
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=11.0km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=9.8km az=164.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.3km az=113.0.
ISC X 01 21 13 14.9–.76 13.34N–.08 120.3E–.10 35 3.3b 11 0-46
IDC X 01 21 13 10.3–1.1 13.27N 120.15E 0 3.6,3.4 ¶11911588
MAN X 01 21 13 11 13.53N 120.31E 40 4.2b,3.1L
ISCJB X 01 21 13 12.8–.69 13.43N–.07 120.3E–.20 33 3.3b,3.1L
ISC X 01 21 36 59.4–2.0 13.34N–.10 120.3E–.20 8–18 3.4b 9 0-39
IDC X 01 21 36 57.8–1.4 13.38N 120.44E 0 3.6,3.4 ¶11911591
ISCJB X 01 21 36 59.5–1.5 13.38N–.09 120.2E–.20 21–16 3.4b,3.4
MAN X 01 21 36 59 13.30N 120.22E 4 4.4b,3.3L
IDC Error ellipse: s-maj=61.2km s-min=22.3km az=61.0.
ISCJB Error ellipse: s-maj=27.6km s-min=13.2km az=163.1.
ISC X 01 23 24 05.5–1.0 13.40N–.05 120.37E–.06 14–6 4.3b,3.1s 60 0-91
MAN X 01 23 24 04 13.55N 120.33E 30 4.4b,3.3L ¶11911600
ISCJB X 01 23 24 05.3–.80 13.43N–.05 120.35E–.06 25–5 4.3b,3.1s
NEIC X 01 23 24 07.9–2.1 13.38N 120.42E 34–15 4.4b,3.1s
IDC X 01 23 24 08.2–2.4 13.40N 120.40E 35–21 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=7.1km az=149.9.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.0km az=54.0.
IDC Error ellipse: s-maj=27.5km s-min=15.1km az=73.0.
ISC X 02 09 33 56.4–.57 13.33N–.06 120.44E–.07 10 3.9b,3.2s 21 0-84
MAN X 02 09 33 54 13.57N 120.13E 25 4.2b,3.0L ¶11911701
IDC X 02 09 33 54.8–1.2 13.28N 120.45E 0 4.0,3.8
ISCJB X 02 09 33 55.0–.54 13.39N–.05 120.34E–.06 10 3.9b,3.2s
NEIC X 02 09 33 57.9–3.2 13.33N 120.55E 22–26 4.4b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=11.1km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=7.2km az=12.1.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=14.1km az=56.0.
ISC X 02 13 49 26.0–1.6 13.4N–.10 120.4E–.20 35 3.4b 11 0-39
MAN X 01 13 49 22 13.37N 120.27E 2 4.3b,3.2L ¶11911715
IDC X 02 13 49 23.4–1.3 13.20N 120.54E 0 3.7,3.4b
ISCJB X 02 13 49 26.0–.83 13.32N–.08 120.5E–.10 33 3.4b,3.4b
ISC X 02 19 36 15.8–1.0 13.33N–.04 120.34E–.06 2–8 4.0b 30 0-79
IDC X 02 19 36 14.8–.94 13.30N 120.38E 0 4.1,3.9b ¶11911745
ISCJB X 02 19 36 15.2–1.2 13.37N–.05 120.28E–.06 7–9 4.0b,3.9b
MAN X 02 19 36 15 13.35N 120.36E 1 4.9b,3.9s
NEIC X 02 19 36 18.7–2.3 13.41N 120.57E 29–18 4.5b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=11.1km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=8.1km az=178.9.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=12.0km az=61.0.
ISC X 02 20 01 15.5–1.3 13.37N–.09 120.53E–.06 11–12 3.2b 10 0-39
MAN X 02 20 01 14 13.37N 120.45E 3 4.2b,3.0L ¶11911748
IDC X 02 20 01 14.1–1.5 13.30N 120.38E 0 3.5,3.3b
ISCJB X 02 20 01 15.1–1.3 13.37N–.09 120.49E–.07 17–14 3.2b,3.3b
ISC X 03 09 17 12.3–1.0 13.42N–.04 120.33E–.05 12–6 4.5b,3.6s 77 0-91
NEIC X 03 09 17 11.3–.42 13.42N 120.45E 10 4.7b,3.6s ¶12065770
MAN X 03 09 17 11 13.45N 120.34E 9 4.9b,3.9s
ISCJB X 03 09 17 12.5–.90 13.42N–.04 120.29E–.05 25–7 4.5b,3.6s
IDC X 03 09 17 14.4–2.4 13.45N 120.44E 34–18 4.3,4.2
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=11.4km s-min=9.0km az=65.0. Felt [I PIVS] at Puerto Galera.
MAN Event type fe. INTENSITY I - PUERTO GALERA MAMBURA.
ISCJB Event type fe. Error ellipse: s-maj=8.8km s-min=5.8km az=159.4.
IDC Error ellipse: s-maj=24.8km s-min=13.6km az=70.0.
MAN X 03 11 01 52 13.44N 120.35E 1 4.4b,3.3L
¶13739695
MAN X 03 11 34 05 13.44N 120.37E 1 4.0b,2.8L
¶13739696

ISC X 03 12 23 11.5–.78 12.69N–.06 120.2E–.10 45–13 3.4b 12 1-47
IDC X 03 12 23 05.0–1.1 12.51N 120.32E 0 3.6,3.4b **¶12065780**
ISCJB X 03 12 23 10.9–.74 12.72N–.06 120.1E–.10 49–12 3.4b,3.4b
MAN X 03 12 23 10 12.75N 120.05E 27 4.4b,3.3L
IDC Error ellipse: s-maj=26.8km s-min=13.2km az=100.0.
ISCJB Error ellipse: s-maj=20.0km s-min=10.2km az=2.8.
MAN X 03 12 32 16 12.73N 120.08E 33 4.3b,3.2L
¶13739697
MAN X 03 14 03 02 13.67N 120.48E 2 3.9b,2.7L
¶13739698
ISC X 03 17 07 35.0–1.4 13.38N–.05 120.36E–.06 2–10 3.9b 30 0-50
ISCJB X 03 17 07 34.7–1.2 13.38N–.04 120.33E–.06 9–8 3.9b **¶12065792**
MAN X 03 17 07 34 13.41N 120.40E 1 4.6b,3.5L
IDC X 03 17 07 34.2–1.0 13.36N 120.37E 0 3.8,3.6b
NEIC X 03 17 07 35.3–.61 13.43N 120.50E 10 4.4b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.1km az=164.0.
IDC Error ellipse: s-maj=21.2km s-min=11.0km az=120.0.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=9.6km az=58.0.
ISC X 03 18 43 10.3–1.9 13.27N–.07 120.3E–.10 9–14 3.3b 13 1-39
MAN X 03 18 43 08 13.24N 120.27E 1 4.2b,3.0L **¶12065801**
IDC X 03 18 43 08.4–1.2 13.21N 120.23E 0 3.6,3.3b
ISCJB X 03 18 43 11.1–1.7 13.29N–.06 120.3E–.10 28–15 3.3b,3.3b
ISC X 04 02 03 26.1–1.6 13.47N–.09 120.38E–.08 5–12 3.9b 11 0-56
IDC X 04 02 03 24.8–1.0 13.39N 120.44E 0 4.2,3.9b **¶12065868**
ISCJB X 04 02 03 26.3–1.2 13.52N–.09 120.35E–.09 18–11 3.9b,3.9b
MAN X 04 02 03 26 13.49N 120.40E 1 4.2b,3.1L
IDC Error ellipse: s-maj=22.5km s-min=10.4km az=117.0.
ISCJB Error ellipse: s-maj=17.2km s-min=11.2km az=39.5.
MAN X 04 02 49 01 13.41N 120.34E 1 4.2b,3.0L
¶13740034
ISC X 04 13 50 20.3–1.3 13.33N–.05 120.31E–.07 4–9 4.0b 28 0-79
IDC X 04 13 50 19.4–1.0 13.23N 120.21E 0 4.3,4.1b **¶12065903**
ISCJB X 04 13 50 20.1–1.1 13.34N–.05 120.28E–.07 13–8 4.0b,4.1b
MAN X 04 13 50 20 13.33N 120.30E 2 4.6b,3.4L
NEIC X 04 13 50 24.1–5.1 13.34N 120.52E 32–38 4.8b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=11.6km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.3km az=177.1.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=9.8km az=65.0.
ISC X 04 15 12 24.2–.46 13.58N–.06 120.8E–.10 147–4 3.5b 35 0-79
ISCJB X 04 15 12 23.1–.46 13.58N–.06 120.7E–.10 153–4 3.5b **¶12065908**
NEIC X 04 15 12 23.9–.73 13.57N 120.90E 151–6 3.9b
IDC X 04 15 12 23.4–.70 13.59N 120.93E 144–5 3.3,3.2b
MAN X 04 15 12 24 13.62N 120.63E 126 4.8b,3.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=9.6km az=172.2.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=9.9km az=58.0.
IDC Error ellipse: s-maj=34.1km s-min=14.2km az=63.0.
ISC X 04 19 02 43.3–1.3 13.37N–.05 120.28E–.07 8–9 3.9b 28 0-56
IDC X 04 19 02 41.5–.97 13.33N 120.24E 0 3.9,3.7b **¶12065926**
ISCJB X 04 19 02 43.6–1.1 13.39N–.05 120.25E–.08 23–9 3.9b,3.7b
MAN X 04 19 02 43 13.37N 120.29E 2 4.7b,3.6s
NEIC X 04 19 02 45.3–2.4 13.41N 120.44E 28–19 4.2b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=11.3km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=7.9km az=169.3.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=9.8km az=63.0.
IDC X 05 02 05 46.3–.59 13.89N 120.97E 210–5 3.3,3.2b
¶12065960
IDC Error ellipse: s-maj=119.1km s-min=13.4km az=67.0.
ISC X 05 02 49 14.2–1.0 13.39N–.04 120.39E–.07 1–8 4.0b 24 0-56
MAN X 05 02 49 13 13.36N 120.35E 1 4.4b,3.3L **¶12065964**
IDC X 05 02 49 13.7–1.0 13.36N 120.42E 0 4.1,3.9b
ISCJB X 05 02 49 14.0–1.1 13.43N–.05 120.38E–.07 9–8 4.0b,3.9b
NEIC X 05 02 49 15.3–.71 13.41N 120.67E 10 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=10.9km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=7.8km az=179.4.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=11.6km az=88.0.
MAN X 05 09 25 57 13.34N 120.30E 1 4.2b,3.1L
¶13740438
ISC X 06 07 14 07.0–1.4 13.33N–.05 120.28E–.08 10–9 4.3b,3.0s 34 0-80
IDC X 06 07 14 04.7–.86 13.29N 120.15E 0 4.4,4.2 **¶12066102**
MAN X 06 07 14 06 13.29N 120.26E 1 4.7b,3.6s
NEIC X 06 07 14 06.5–.50 13.30N 120.35E 10 4.6b,3.6s
ISCJB X 06 07 14 07.5–1.1 13.34N–.05 120.27E–.08 25–9 4.3b,3.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 07 08 52 50.0–1.1 13.48N–.09 120.46E–.07 10 3.4b 6 0-46
MAN X 07 08 42 54 13.46N 120.22E 15 4.3b,3.1L **¶12066253**
ISCJB X 07 08 52 48.3–1.2 13.47N–.09 120.43E–.07 10 3.4b,3.1L
IDC X 07 08 52 48.4–1.3 13.32N 120.56E 0 3.7,3.5
ISCJB Error ellipse: s-maj=13.1km s-min=8.3km az=157.4.
IDC Error ellipse: s-maj=28.5km s-min=12.0km az=114.0.
IDC X 07 22 07 01.1–1.4 13.30N 120.36E 0 3.8,3.6
¶12066296
IDC Error ellipse: s-maj=27.9km s-min=12.2km az=123.0.
MAN X 08 10 13 54 13.73N 120.27E 47 4.4b,3.2L
¶13741450
ISC X 08 16 36 33.0–.43 13.76N–.06 120.71E–.09 168–4 3.6b 35 0-50
ISCJB X 08 16 36 31.9–.44 13.75N–.06 120.71E–.09 173–4 3.6b **¶12066345**
NEIC X 08 16 36 32.1–.96 13.53N 120.53E 159–10 4.1b
IDC X 08 16 36 32.3–.65 13.72N 120.83E 163–5 3.2,3.1b
MAN X 08 16 36 34 13.79N 120.49E 114 4.8b,3.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=8.6km az=160.5.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=11.7km az=71.0.
IDC Error ellipse: s-maj=27.6km s-min=13.8km az=63.0.
MAN X 08 17 00 07 13.48N 120.34E 9 4.6b,3.5L
¶13741451
ISC X 08 22 52 43.2–.79 13.4N–.10 120.7E–.10 35 3.5b 9 0-49
ISCJB X 08 22 52 41.3–.80 13.4N–.10 120.6E–.10 33 3.5b **¶12066383**
IDC X 08 22 52 42.5–4.2 13.37N 120.48E 26–32 3.5,3.4
ISCJB Error ellipse: s-maj=16.3km s-min=14.7km az=136.4.
IDC Error ellipse: s-maj=39.3km s-min=17.6km az=66.0.
MAN X 09 03 45 54 13.44N 120.31E 10 4.5b,3.3L
¶13741785
ISC X 09 11 06 58.0–.56 13.34N–.04 120.33E–.07 10 3.9b 16 0-46
MAN X 09 11 06 56 13.24N 120.32E 1 4.4b,3.2L **¶12066414**
IDC X 09 11 06 56.8–1.0 13.20N 120.33E 0 4.1,3.9b
ISCJB X 09 11 06 57.1–.56 13.33N–.04 120.28E–.07 10 3.9b,3.9b
ISC X 09 11 26 44.2–.85 13.41N–.08 120.45E–.08 10 3.5b 10 0-39
ISCJB X 09 11 26 42.8–.90 13.34N–.08 120.40E–.08 10 3.5b **¶12066415**
IDC X 09 11 26 43.2–1.3 13.25N 120.53E 0 3.8,3.6
MAN X 09 11 26 43 13.43N 120.43E 2 4.2b,3.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.5km s-min=10.8km az=161.7.
IDC Error ellipse: s-maj=32.0km s-min=10.6km az=107.0.
MAN Event type fe. INTENSITY I - PALUAN OCCIDENTAL MINDORO.
ISC X 09 14 53 20.7–1.0 13.58N–.08 120.2E–.10 35 3.9b 11 0-39
ISCJB X 09 14 53 20.0–.95 13.51N–.07 120.2E–.10 33 3.6b **¶12066435**
IDC X 09 14 53 19.9–1.4 13.24N 120.47E 0 4.0,3.7
ISCJB Error ellipse: s-maj=17.6km s-min=8.9km az=12.1.
IDC Error ellipse: s-maj=31.8km s-min=11.1km az=109.0.
ISC X 10 02 37 26.0–1.1 13.34N–.05 120.33E–.09 1–9 3.7b 12 0-50
IDC X 10 02 37 25.8–1.2 13.58N 121.04E 0 3.8,3.7b **¶12066479**
ISCJB X 10 02 37 26.2–1.4 13.38N–.07 120.30E–.09 13–11 3.8b,3.7b
MAN X 10 02 37 26 13.32N 120.34E 0 4.4b,3.2L
IDC Error ellipse: s-maj=148.0km s-min=19.0km az=66.0.
ISCJB Error ellipse: s-maj=16.3km s-min=11.3km az=152.3.
ISC X 10 08 07 28.4–1.6 13.33N–.06 120.38E–.06 6–11 3.8b 16 1-50
IDC X 10 08 07 27.0–1.0 13.33N 120.37E 0 4.1,3.8b **¶12066491**
ISCJB X 10 08 07 28.7–1.4 13.37N–.06 120.35E–.07 21–12 3.8b,3.8b
MAN X 10 08 07 28 13.32N 120.35E 2 4.3b,3.2L
IDC Error ellipse: s-maj=22.1km s-min=11.1km az=117.0.
ISCJB Error ellipse: s-maj=12.6km s-min=9.6km az=141.1.
ISC X 10 19 20 29.5–.51 13.68N–.06 120.50E–.09 101–6 3.7b 29 0-56
NEIC X 10 19 20 19.7–.78 13.31N 119.75E 10 3.7b **¶12066528**
ISCJB X 10 19 20 28.5–.50 13.69N–.06 120.51E–.09 109–6 3.7b
IDC X 10 19 20 28.5–2.7 13.64N 120.47E 92–31 3.9s,3.9
MAN X 10 19 20 29 13.68N 120.45E 80 4.7b,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=15.1km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=9.4km az=175.7.
IDC Error ellipse: s-maj=92.4km s-min=15.1km az=67.0.
IDC X 10 21 38 20.1–1.3 13.34N 120.34E 0 3.9,3.6b
¶12066540
IDC Error ellipse: s-maj=23.8km s-min=11.6km az=112.0.
ISC X 10 22 04 54.7–1.5 13.41N–.09 120.37E–.09 9–13 3.5b 11 0-39
MAN X 10 22 04 53 13.34N 120.35E 1 4.2b,3.0L **¶12066542**
IDC X 10 22 04 53.3–1.4 13.38N 120.24E 0 3.8,3.6b
ISCJB X 10 22 04 54.7–1.3 13.42N–.09 120.34E–.10 20–13 3.5b,3.6b
MAN X 11 09 33 02 13.33N 120.17E 19 4.2b,3.0L
¶13742501
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.
MAN X 11 23 00 23 13.51N 120.84E 1 4.0b,2.8L
¶13742503
ISC X 12 08 30 46.7–.39 13.43N–.02 120.56E–.03 60–4 4.8b,4.0s 299 0-151
IDC X 12 08 30 38.8–.53 13.38N 120.28E 0 4.7,4.6 **¶11346068**
NEIC X 12 08 30 40.5–.25 13.45N 120.58E 10 4.8b,4.6
MAN X 12 08 30 40 13.40N 120.31E 4 5.1b,4.1s
MOS X 12 08 30 42.2–.88 13.47N 120.58E 33 5.2b,4.1s
ISCJB X 12 08 30 44.9–.42 13.42N–.02 120.53E–.03 56–4 4.8b,4.0s
BJI X 12 08 30 46.1 13.42N 120.60E 71 5.0b,4.7b
SZGRF X 12 08 30 46.4 13.76N 120.18E 33 5.0b,4.7b
DJA X 12 08 30 55 13.59N 120.39E 154 4.6b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=14.3km s-min=9.3km az=121.0.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=5.3km az=75.0. Felt [III PIVS] at Paluan and at Looc, Lubang Island.
MAN Event type fe. INTENSITY II - LOOC LUBANG; PALUAN OCCIDENTAL MINDORO.
MOS Error ellipse: s-maj=12.6km s-min=5.4km az=124.7.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=164.7.
SZGRF Mindoro, Philippine Islands.
ISC X 12 09 45 33.7–.80 13.44N–.08 120.5E–.10 35 4.0b 12 0-50
IDC X 12 09 45 29.1–1.1 13.37N 120.35E 0 4.1,3.9b **¶12068454**
ISCJB X 12 09 45 31.9–.79 13.45N–.08 120.4E–.10 33 4.0b,3.9b
ISC X 12 13 11 48.2–1.2 13.43N–.06 120.30E–.07 8–12 3.8b 15 0-39
IDC X 12 13 11 47.1–1.5 13.34N 120.37E 0 4.0,3.7b **¶12068466**
ISCJB X 12 13 11 48.3–.84 13.49N–.07 120.25E–.08 21–11 3.8b,3.7b
ISC X 12 17 01 03.3–1.7 13.7N–.10 120.1E–.20 35 4.2b 11 0-39
ISCJB X 12 17 01 02.6–1.5 13.6N–.10 120.1E–.20 33 4.2b **¶12068478**
IDC X 12 17 01 02.9–1.3 13.29N 120.47E 0 4.1,3.8
ISCJB Error ellipse: s-maj=25.6km s-min=9.9km az=27.8.
IDC Error ellipse: s-maj=30.5km s-min=10.6km az=111.0.
ISC X 13 04 44 35.0–1.1 13.43N–.07 120.28E–.08 11–10 3.8b 14 0-39
ISCJB X 13 04 44 34.1–1.1 13.44N–.07 120.20E–.09 14–9 3.8b **¶12068526**
MAN X 13 04 44 35 13.56N 120.31E 72 4.2b,3.0L
IDC X 13 04 44 39.2–3.5 13.40N 120.61E 35–35 4.0,3.7b
ISCJB Error ellipse: s-maj=16.0km s-min=8.7km az=32.3.
IDC Error ellipse: s-maj=46.2km s-min=20.8km az=59.0.
ISC X 13 12 22 19.4–.54 13.56N–.04 120.33E–.05 48–7 3.7b 28 0-39
ISCJB X 13 12 22 18.4–.53 13.55N–.04 120.32E–.05 55–6 3.7b **¶12068552**
MAN X 13 12 22 18 13.57N 120.32E 37 4.7b,3.5s
IDC X 13 12 22 20.3–1.5 13.62N 120.64E 68–19 3.7,3.5
ISCJB Error ellipse: s-maj=7.9km s-min=6.8km az=174.4.
IDC Error ellipse: s-maj=44.2km s-min=19.1km az=61.0.
MAN X 14 01 01 34 13.41N 120.35E 1 4.1b,2.9L
¶13743561
MAN X 14 02 50 08 13.45N 120.37E 1 4.2b,3.1L
¶13743562
MAN X 14 04 21 18 13.84N 120.42E 32 4.1b,3.0L
¶13743563
MAN X 14 10 40 22 13.31N 121.65E 17 4.0b,2.8L
¶13743566
MAN X 15 04 17 43 13.84N 120.74E 33 4.1b,2.9L
¶13743900
ISC X 15 18 21 49.2–1.2 13.38N–.06 120.25E–.09 10 3.5b 9 0-46
ISCJB X 15 18 21 47.6–1.3 13.34N–.06 120.19E–.10 10 3.5b **¶12068701**
MAN X 15 18 21 50 13.45N 120.38E 1 4.6b,3.4L
IDC X 15 18 21 50.7–1.3 13.20N 120.79E 0 3.9,3.7s
ISCJB Error ellipse: s-maj=13.5km s-min=8.1km az=172.0.
IDC Error ellipse: s-maj=37.0km s-min=10.5km az=93.0.
ISC X 19 12 40 31.1–.38 13.53N–.04 120.80E–.06 139–4 3.8b 45 0-120
ISCJB X 19 12 40 30.1–.39 13.54N–.04 120.80E–.07 145–5 3.8b **¶12069045**
IDC X 19 12 40 30.0–.58 13.59N 121.02E 136–4 3.7,3.5b
NEIC X 19 12 40 30.7–1.1 13.77N 121.26E 145–10 4.3b,3.5b
MAN X 19 12 40 31 13.56N 120.73E 113 4.6b,3.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=10.6km s-min=7.0km az=170.5.
IDC Error ellipse: s-maj=38.9km s-min=13.1km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=22.5km s-min=12.8km az=64.0. Felt [II PIVS] at Paluan.
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.
ISC X 27 07 05 40.5–2.8 13.3N–.10 120.4E–.20 40–31 3.8b 15 1-50
IDC X 27 07 05 35.1–.98 13.19N 120.21E 0 3.9,3.7b **¶12071226**
ISCJB X 27 07 05 39.8–2.8 13.3N–.20 120.4E–.20 53–30 3.8b,3.7b
NEIC X 27 07 05 40.5–2.1 13.33N 120.44E 42–23 4.1b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=12.7km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=43.7km s-min=16.2km az=149.2.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=10.7km az=58.0.
ISC X 27 15 37 48.8–.34 13.43N–.02 120.50E–.03 54–3 4.8b,4.1s 305 0-167
MAN X 27 15 37 42 13.31N 120.34E 1 5.3b,4.6s **¶11472804**
GCMT X 27 15 37 44.1–.30 13.41N 120.52E 14–1 4.8W,4.6s
MOS X 27 15 37 44.5–1.1 13.47N 120.57E 33 5.1b,4.6s
BJI X 27 15 37 44.4 13.46N 120.60E 30 5.0b,4.6b
ISCJB X 27 15 37 46.8–.38 13.41N–.02 120.48E–.03 51–4 4.8b,4.1s
IDC X 27 15 37 47.3–1.5 13.42N 120.55E 46–14 4.4,4.3
NEIC X 27 15 37 47.5–.73 13.46N 120.51E 48–7 5.1b,4.3
DJA X 27 15 37 59 13.43N 120.35E 159 4.5b,4.3
SZGRF X 27 15 38 00.3 13.67N 120.60E 132 5.1b,4.3
ISC Event type fe.
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s22,c27; s58,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.65±.14 $M_{\theta\theta}$0.48±.08; $M_{\phi\phi}$1.17±.10; $M_{r\theta}$-0.09±.22; $M_{\theta\phi}$0.92±.06; $M_{\phi r}$-0.98±.23; Best double couple: NP1:ϕ_s229.00000°,δ34.00000°,λ-65.00000°. NP2:ϕ_s20.00000°,δ60.00000°,λ-106.00000°. Principal axes: T 2.0100,Plg14.0000° ,Azm122.0000°; N -0.0400,Plg13.0000°,Azm28.0000°; P -1.9700,Plg71.0000° ,Azm255.0000° M_o2.00000×10^{16}
MOS Error ellipse: s-maj=15.2km s-min=5.7km az=125.6.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.3km az=163.5.
IDC Error ellipse: s-maj=20.6km s-min=9.8km az=62.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.5km az=62.0.
SZGRF Mindoro, Philippine Islands.
ISC X 27 17 05 29.0–.90 13.33N–.03 120.31E–.05 4–6 4.1b 32 0-56
ISCJB X 27 17 05 28.8–.99 13.37N–.04 120.26E–.05 12–7 4.1b **¶12071254**
MAN X 27 17 05 28 13.31N 120.33E 1 4.9b,3.8s
IDC X 27 17 05 28.2–.86 13.25N 120.35E 0 4.1,3.9
NEIC X 27 17 05 33.5–1.8 13.39N 120.59E 42–18 4.5b,3.9
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.9km az=178.6.
IDC Error ellipse: s-maj=19.2km s-min=11.2km az=109.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=9.4km az=61.0.
ISC X 27 19 01 35.4–.54 13.36N–.04 120.36E–.06 10 3.8b 17 0-46
MAN X 27 19 01 33 13.29N 120.38E 1 4.9b,3.9s **¶12071262**
ISCJB X 27 19 01 34.6–.54 13.37N–.04 120.32E–.05 10 3.8b,3.9s
IDC X 27 19 01 34.0–1.0 13.24N 120.38E 0 4.0,3.8
ISCJB Error ellipse: s-maj=7.4km s-min=5.0km az=1.8.
IDC Error ellipse: s-maj=21.4km s-min=11.7km az=112.0.
ISC X 28 04 16 04.9–.30 12.72N–.02 120.12E–.03 42–3 4.8b,4.1s 339 1-171
MAN X 28 04 16 00 12.61N 119.87E 31 5.6b,5.0s **¶13398329**
BJI X 28 04 16 01.4 12.62N 120.33E 43 5.1b,4.9b
MOS X 28 04 16 01.3–.95 12.69N 120.26E 33 5.0b,4.9b
GCMT X 28 04 16 01.9–.20 12.72N 120.03E 23–1 5.0W,4.9b
ISCJB X 28 04 16 02.8–.35 12.70N–.02 120.11E–.03 39–4 4.8b,4.1s
NEIC X 28 04 16 03.9–.59 12.63N 120.13E 37–5 5.0b,4.1s
IDC X 28 04 16 04.4–2.2 12.63N 120.22E 45–21 4.3,4.3L
TEH X 28 04 16 05.0 12.66N 120.14E 40 4.3,4.3L
DJA X 28 04 16 08 12.60N 119.93E 30 5.0b,4.3L
ISC Event type se.
MOS Error ellipse: s-maj=12.2km s-min=5.7km az=118.7.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s34,c44; s86,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.40±.18 $M_{\theta\theta}$4.44±.13; $M_{\phi\phi}$-3.04±.13; $M_{r\theta}$0.28±.18; $M_{\theta\phi}$-0.26±.10; $M_{\phi r}$-0.33±.21; Best double couple: NP1:ϕ_s47.00000°,δ81.00000°,λ-174.00000°. NP2:ϕ_s316.00000°,δ85.00000°,λ-10.00000°. Principal axes: T 4.4600,Plg3.0000° ,Azm2.0000°; N -1.3500,Plg79.0000°,Azm107.0000°; P -3.1100,Plg11.0000°,Azm272.0000° $M_0$3.80000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=178.8.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=90.0.
IDC Error ellipse: s-maj=17.1km s-min=10.4km az=68.0.
MAN X 29 14 19 28 13.64N 120.15E 33 4.5b,3.3L
¶13748455
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.
ISC X 29 20 19 15.8–3.6 13.4N–.10 120.5E–.20 20–25 3.9b 19 1-56
IDC X 29 20 19 13.0–.84 13.26N 120.32E 0 4.0,3.8 **¶12071533**
NEIC X 29 20 19 16.2–2.7 13.36N 120.51E 24–21 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=11.7km az=110.0.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=9.5km az=59.0.
MAN X 31 03 38 58 13.87N 120.39E 32 3.7b,2.4L
¶13749060
IDC XI 01 10 19 43.1–2.4 13.73N 121.34E 190–15 3.3,3.0b
¶12071840
IDC Error ellipse: s-maj=122.9km s-min=21.2km az=39.0.
MAN XI 02 03 55 17 13.12N 120.85E 29 4.3b,3.2L
¶13749770
ISC XI 07 03 40 57.5–.85 13.33N–.03 120.29E–.07 2–6 4.0b 27 0-56
IDC XI 07 03 40 56.9–.91 13.25N 120.29E 0 4.1,3.9b **¶12072618**
MAN XI 07 03 40 57 13.60N 120.10E 32 4.1b,2.9L
ISCJB XI 07 03 40 58.1–.88 13.38N–.04 120.25E–.08 17–8 4.0b,2.9L
NEIC XI 07 03 41 01.0–6.1 13.36N 120.49E 30–46 4.3b,2.9L
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=11.7km az=119.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.2km az=174.4.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=11.8km az=64.0.
IDC XI 07 03 53 31.3–1.2 13.25N 120.26E 0 3.9,3.6b
¶12072620
IDC Error ellipse: s-maj=25.8km s-min=12.2km az=119.0.
MAN XI 07 08 45 04 13.30N 120.22E 2 4.0b,2.8L
¶13751408
ISC XI 09 00 14 46.4–4.0 13.4N–.10 120.4E–.20 11–27 3.8b 10 1-56
IDC XI 09 00 14 44.9–.92 13.41N 120.38E 0 3.9,3.7b **¶12072892**
ISCJB XI 09 00 14 46.2–3.9 13.4N–.20 120.4E–.20 23–30 3.8b,3.7b
MAN XI 09 00 14 46 13.71N 120.32E 33 4.1b,3.0L
ISC Event type fe.
IDC Error ellipse: s-maj=18.5km s-min=10.6km az=126.0.
ISCJB Event type fe. Error ellipse: s-maj=43.6km s-min=18.0km az=152.1.
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.
IDC XI 10 05 40 37.8–1.4 13.28N 120.48E 0 3.6,3.4b
¶12073035
IDC Error ellipse: s-maj=37.0km s-min=17.2km az=98.0.
ISC XI 10 08 46 18.5–.83 13.7N–.10 120.9E–.20 121–7 4.0b 21 0-79
ISCJB XI 10 08 46 17.4–.81 13.8N–.20 120.9E–.30 128–7 3.8b **¶12073049**
NEIC XI 10 08 46 18.6–.78 13.72N 120.85E 122–7 3.8b
IDC XI 10 08 46 18.0–.79 13.75N 120.88E 116–7 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=45.4km s-min=16.9km az=152.5.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=11.0km az=62.0.
IDC Error ellipse: s-maj=43.2km s-min=15.6km az=63.0.
ISC XI 13 20 00 10.5–.63 13.20N–.04 120.30E–.06 45–9 4.1b 42 1-56
IDC XI 13 20 00 04.2–.86 13.14N 120.18E 0 4.2,4.1 **¶12073445**
MAN XI 13 20 00 07 13.20N 120.35E 7 4.9b,3.8s
ISCJB XI 13 20 00 09.3–.58 13.21N–.04 120.28E–.06 52–7 4.1b,3.8s
NEIC XI 13 20 00 11.2–1.5 13.27N 120.49E 56–16 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=12.7km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.5km az=177.1.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=8.6km az=61.0.
MAN XI 18 09 09 41 13.58N 120.43E 33 3.7b,2.4L
¶13754984
ISC XI 18 13 11 26.4–1.1 13.37N–.06 120.48E–.07 46–12 4.6b,3.9s 59 1-91
IDC XI 18 13 11 19.9–.77 13.28N 120.23E 0 4.4,4.3 **¶12074012**
MAN XI 18 13 11 23 13.39N 120.37E 22 4.6b,3.5s
ISCJB XI 18 13 11 25.2–1.1 13.36N–.06 120.46E–.08 53–12 4.6b,3.9s
NEIC XI 18 13 11 25.8–1.0 13.42N 120.61E 42–10 4.7b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=18.1km s-min=11.5km az=115.0.
MAN Event type fe. INTENSITY III - PALUAN OCCIDENTAL MINDORO.
ISCJB Event type fe. Error ellipse: s-maj=14.8km s-min=6.6km az=144.5.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=5.2km az=61.0. Felt [III PIVS] at Paluan.
MAN XI 19 22 11 40 13.61N 120.11E 31 4.3b,3.1L
¶13755261
MAN XI 23 13 38 33 13.58N 120.27E 34 4.3b,3.2L
¶13756469
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.
ISC XI 26 12 07 38.6–.46 13.38N–.03 120.42E–.05 46–5 4.7b,3.5s 153 0-91
IDC XI 26 12 07 32.0–.62 13.43N 120.38E 0 4.4,4.3 **¶13401161**
BJI XI 26 12 07 32.0 13.69N 121.36E 21 4.8b,4.4b
MAN XI 26 12 07 33 13.38N 120.26E 1 5.4b,4.7s
MOS XI 26 12 07 34.9–.72 13.57N 120.70E 33 4.6b,4.7s
ISCJB XI 26 12 07 37.4–.46 13.38N–.03 120.40E–.05 51–5 4.7b,3.5s
NEIC XI 26 12 07 40.4–.87 13.65N 120.80E 66–8 4.7b,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=19.5km s-min=13.4km az=84.0.
MOS Error ellipse: s-maj=22.0km s-min=8.1km az=121.8.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.6km az=167.5.
NEIC Event type fe. Error ellipse: s-maj=13.7km s-min=7.1km az=68.0. Felt [II PIVS] at Paluan.
ISC XI 26 12 25 41.8–1.1 13.40N–.04 120.27E–.08 5–10 4.0b 20 0-46
MAN XI 26 12 25 41 13.41N 120.24E 5 4.6b,3.5L **¶12074895**
IDC XI 26 12 25 41.9–1.1 13.29N 120.60E 0 4.3,4.0b
ISC Event type fe.
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.
IDC Error ellipse: s-maj=27.0km s-min=15.4km az=93.0.
ISC XI 26 12 45 09.3–.69 13.34N–.04 120.26E–.06 38–9 4.2b 38 0-80
IDC XI 26 12 45 03.8–.88 13.40N 120.38E 0 4.4,4.2 **¶12074897**
MAN XI 26 12 45 04 13.34N 120.28E 1 4.7b,3.5s
ISCJB XI 26 12 45 08.3–.64 13.34N–.04 120.25E–.06 45–8 4.2b,3.5s
NEIC XI 26 12 45 10.1–1.2 13.48N 120.57E 50–13 4.2b,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=21.5km s-min=15.9km az=96.0.
MAN Event type fe. INTENSITY II - PALUAN OCCIDENTAL MINDORO.

ISCJB Event type fe. Error ellipse: s-maj=10.0km s-min=5.9km az=17.3.
NEIC Event type fe. Error ellipse: s-maj=16.3km s-min=8.3km az=56.0. Felt [II PIVS] at Paluan.
ISC XI 26 14 27 07.5–2.7 13.4N–.10 120.5E–.20 36–30 3.7b 18 1-56
IDC XI 26 14 27 02.7–.91 13.31N 120.28E 0 3.8,3.6 **¶12074905**
ISCJB XI 26 14 27 06.9–2.6 13.4N–.10 120.5E–.20 50–28 3.7b,3.6
NEIC XI 26 14 27 07.5–2.0 13.44N 120.51E 38–22 4.1b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=11.3km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=42.9km s-min=14.1km az=150.2.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=9.0km az=60.0.
ISC XI 26 19 25 39.3–3.8 13.4N–.20 120.6E–.20 23–32 3.7b 13 1-46
ISCJB XI 26 19 25 39.2–3.2 13.4N–.20 120.6E–.20 38–36 3.7b **¶12074936**
IDC XI 26 19 25 39.5–4.6 13.39N 120.60E 23–34 3.7,3.5b
NEIC XI 26 19 25 39.2–3.9 13.38N 120.59E 23–32 4.0b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=45.3km s-min=18.1km az=146.4.
IDC Error ellipse: s-maj=48.9km s-min=18.5km az=60.0.
NEIC Event type se. Error ellipse: s-maj=37.7km s-min=15.5km az=56.0.
ISC XI 27 01 04 04.9–.49 13.35N–.03 120.41E–.04 52–5 4.8b,3.6s 180 1-94
IDC XI 27 01 03 57.6–.63 13.33N 120.25E 0 4.4,4.3 **¶13401222**
MAN XI 27 01 03 58 13.36N 120.28E 1 5.1b,4.3s
MOS XI 27 01 04 00.8–1.0 13.40N 120.48E 33 4.9b,4.3s
ISCJB XI 27 01 04 03.4–.47 13.35N–.03 120.41E–.04 55–5 4.8b,3.6s
NEIC XI 27 01 04 05.4–.87 13.49N 120.61E 60–8 4.7b,3.6s
BJI XI 27 01 04 06.6 13.42N 120.84E 98 4.8b,4.6b
TEH XI 27 01 04 08.0 13.49N 120.75E 91 4.8b,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=15.0km s-min=10.9km az=123.0.
MAN Event type fe. INTENSITY III - PALUAN OCCIDENTAL MINDORO.
MOS Error ellipse: s-maj=17.1km s-min=7.7km az=120.6.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.7km az=169.5.
NEIC Event type fe. Error ellipse: s-maj=12.0km s-min=6.9km az=69.0. Felt [III PIVS] at Paluan.
ISC XI 28 11 03 56.1–.41 13.40N–.03 120.58E–.04 76–4 4.9b 242 0-120
BJI XI 28 11 03 49.2 12.97N 120.91E 59 5.0b,4.8b **¶11480323**
MOS XI 28 11 03 49.5–.82 13.49N 120.73E 33 5.2b,4.8b
MAN XI 28 11 03 52 13.37N 120.22E 44 5.5b,4.8s
NEIC XI 28 11 03 55.0–.75 13.39N 120.56E 68–7 5.0b,4.8s
ISCJB XI 28 11 03 54.9–.45 13.38N–.03 120.57E–.04 80–4 4.9b,4.8s
IDC XI 28 11 03 55.2–.94 13.38N 120.52E 70–8 4.5,4.4
DJA XI 28 11 04 08 13.39N 120.50E 190 4.9b,4.4
ISC Event type fe.
MOS Error ellipse: s-maj=16.6km s-min=5.9km az=120.1.
MAN Event type fe. INTENSITY IV - PALUAN OCCIDENTAL MINDORO; INTENSITY II- MANILA; PUERTO GALERA ORIENTAL MINDORO.
NEIC Event type fe. Error ellipse: s-maj=8.4km s-min=5.4km az=67.0. Felt [IV PIVS] at Paluan and [II PIVS] at Puerto Galera. Also felt [II PIVS] at Manila, Quezon City and San Nicolas, Luzon.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.1km az=157.9.
IDC Error ellipse: s-maj=17.2km s-min=10.8km az=70.0.
IDC XII 02 05 07 10.6–1.2 13.14N 120.75E 0 4.4,4.1
¶12075475
IDC Error ellipse: s-maj=35.6km s-min=10.6km az=94.0.
IDC XII 02 12 28 19.1–1.5 13.42N 120.86E 0 3.6,3.4b
¶12075501
IDC Error ellipse: s-maj=82.2km s-min=14.4km az=85.0.
ISC XII 03 01 33 46.1–1.3 13.7N–.20 120.8E–.60 115–17 3.6b 23 0-79
ISCJB XII 03 01 33 44.6–1.5 13.7N–.20 120.6E–.60 117–18 3.6b **¶12075573**
IDC XII 03 01 33 45.7–1.0 13.77N 120.88E 110–14 3.4,3.3b
NEIC XII 03 01 33 46.3–1.1 13.70N 120.74E 118–14 3.8b,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=101.2km s-min=14.7km az=158.2.
IDC Error ellipse: s-maj=107.4km s-min=14.0km az=69.0.
NEIC Event type se. Error ellipse: s-maj=75.4km s-min=10.4km az=68.0.
ISC XII 05 23 34 26.7–4.7 13.2N–.20 120.6E–.20 1–34 3.4b 9 1-57
IDC XII 05 23 34 26.6–1.3 13.16N 120.58E 0 3.8s,3.8 **¶12075947**
NEIC XII 05 23 34 30.8–.85 13.29N 120.69E 35 3.8s,3.8
ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=11.3km az=103.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=12.6km az=86.0.
MAN XII 09 09 23 10 13.55N 121.50E 10 4.2b,3.0L
¶13758898
MAN XII 10 15 38 43 13.69N 120.71E 22 4.6b,3.5L
¶13758902
ISC XII 12 09 09 28.9–.38 13.50N–.04 120.77E–.07 135–4 3.8b 46 1-120
ISCJB XII 12 09 09 27.8–.38 13.50N–.04 120.78E–.07 140–4 3.8b **¶12077089**
IDC XII 12 09 09 28.2–.53 13.54N 121.00E 130–3 3.8,3.7
NEIC XII 12 09 09 28.6–.71 13.56N 121.04E 135–6 4.4b,3.7
MAN XII 12 09 09 29 13.52N 120.71E 110 3.9b,2.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=7.3km az=171.1.
IDC Error ellipse: s-maj=29.1km s-min=12.1km az=67.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=7.3km az=67.0.
ISC XII 12 11 30 51.1–.98 13.36N–.07 121.48E–.05 29–7 4.1b 23 0-51
IDC XII 12 11 30 46.4–1.7 13.49N 121.79E 0 4.2,4.0b **¶12077122**
ISCJB XII 12 11 30 49.9–1.1 13.29N–.07 121.46E–.06 31–7 4.1b,4.0b
MAN XII 12 11 30 49 13.30N 121.51E 20 4.3b,3.1L
NEIC XII 12 11 30 51.3–.98 13.44N 121.60E 35 4.2b,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=71.1km s-min=13.7km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=9.2km az=173.1.
NEIC Event type se. Error ellipse: s-maj=48.1km s-min=9.6km az=52.0.
ISC XII 15 21 18 39.8–.42 12.73N–.03 120.60E–.04 39–5 4.6b 90 1-150
ISCJB XII 15 21 18 38.8–.42 12.74N–.03 120.60E–.04 47–4 4.6b **¶12077666**
MAN XII 15 21 18 38 12.69N 120.63E 38 4.8b,3.8s
NEIC XII 15 21 18 40.0–.81 12.81N 120.71E 38–7 4.8b,3.8s
IDC XII 15 21 18 41.1–2.3 12.83N 120.77E 46–21 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=6.8.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.0km az=68.0.
IDC Error ellipse: s-maj=26.7km s-min=11.7km az=71.0.
ISC XII 17 20 53 03.1–.54 13.42N–.09 121.1E–.10 193–5 3.9b 47 1-93
ISCJB XII 17 20 53 02.0–.55 13.42N–.09 121.1E–.10 199–5 3.9b **¶12077967**
IDC XII 17 20 53 02.8–.61 13.38N 121.06E 190–5 3.5,3.3b
NEIC XII 17 20 53 03.1–.64 13.41N 121.07E 194–7 4.5b,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.3km s-min=8.4km az=149.9.
IDC Error ellipse: s-maj=33.9km s-min=11.8km az=62.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=6.0km az=59.0.
ISC XII 24 10 31 42.4–.56 13.84N–.06 120.5E–.20 117–7 3.7b 16 0-56
ISCJB XII 24 10 31 41.3–.56 13.86N–.06 120.6E–.20 124–7 3.7b **¶12078801**
MAN XII 24 10 31 41 13.88N 120.51E 105 4.2b,3.0L
IDC XII 24 10 31 41.9–1.8 13.83N 120.68E 115–22 3.4b,3.4
ISCJB Error ellipse: s-maj=25.6km s-min=10.5km az=175.1.
IDC Error ellipse: s-maj=104.0km s-min=21.5km az=68.0.
MAN XII 24 18 34 37 13.59N 120.70E 112 4.3b,3.1L
¶13762339
ISC XII 25 15 01 08.0–.48 13.38N–.03 120.47E–.04 40–6 4.4b 97 1-93
MAN XII 25 15 01 04 13.37N 120.38E 8 4.8b,3.7s **¶12078942**
ISCJB XII 25 15 01 06.8–.46 13.39N–.03 120.45E–.04 46–5 4.4b,3.7s
IDC XII 25 15 01 08.0–1.4 13.55N 120.75E 41–14 4.1,3.9
NEIC XII 25 15 01 08.2–.93 13.52N 120.68E 46–9 4.6b,3.9
ISC Event type fe.
MAN Event type fe. INTENSITY IV - PALUAN OCCIDENTAL MINDORO.
ISCJB Event type fe. Error ellipse: s-maj=6.9km s-min=4.6km az=179.8.
IDC Error ellipse: s-maj=29.2km s-min=11.6km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=4.9km az=56.0. Felt [IV PIVS] at Paluan.
ISC XII 25 15 57 41.3–.97 13.65N–.05 121.64E–.05 8–9 3.5b 18 0-39
MAN XII 25 15 57 40 13.65N 121.51E 1 4.6b,3.5L **¶12078945**
ISCJB XII 25 15 57 41.2–1.3 13.67N–.05 121.63E–.05 11–11 3.5b,3.5L
IDC XII 25 15 57 41.5–1.4 13.19N 121.37E 0 3.6,3.4b
ISCJB Error ellipse: s-maj=8.0km s-min=7.3km az=29.2.
IDC Error ellipse: s-maj=57.2km s-min=21.8km az=59.0.

ISC	**XII**	**26 13 38 15.0–.94**	**13.54N–.03**	**121.00E–.03**	**6–6**	**4.5b,3.7s**	**108**	**1-93**	
BJI	XII	26 13 38 12.5	12.50N	121.10E	60	4.9b,4.4s			¶11519286
IDC	XII	26 13 38 13.8–.60	13.49N	120.73E	0	4.3,4.2			
MAN	XII	26 13 38 14	13.51N	121.07E	4	5.2b,4.5s			
ISCJB	XII	26 13 38 15.6–.84	13.55N–.03	120.97E–.04	22–6	4.5b,3.7s			
NEIC	XII	26 13 38 16.4–1.3	13.58N	121.04E	18–8	4.9b,3.7s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=21.8km s-min=10.9km az=89.0.								
MAN	Event type fe. Intensity IV - Calapan City; Naujan.								
ISCJB	Event type fe. Error ellipse: s-maj=6.5km s-min=4.4km az=145.3.								
NEIC	Event type fe. Error ellipse: s-maj=9.9km s-min=6.1km az=55.0. Felt [IV PIVS] at Calapan and Naujan and [III PIVS] at Puerto Galera. Felt [II PIVS] at Batangas and San Pascual and [I PIVS] at Bauan and Tagaytay, Luzon.								
ISC	**XII**	**29 18 28 32.4–.76**	**13.32N–.09**	**120.4E–.20**	**35**	**4.3s,3.8b**	**13**	**1-80**	
IDC	XII	29 18 28 27.3–1.1	13.25N	120.11E	0	4.2s,4.2			¶12079429
ISCJB	XII	29 18 28 30.1–.76	13.26N–.09	120.2E–.20	33	4.3s,3.8b			
NEIC	XII	29 18 28 32.2–.56	13.33N	120.34E	35	3.9b,3.8b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=24.1km s-min=12.9km az=118.0.								
ISCJB	Event type se. Error ellipse: s-maj=25.7km s-min=12.2km az=170.4.								
NEIC	Event type se. Error ellipse: s-maj=20.9km s-min=9.0km az=80.0.								

(251) Samar.

ISC	**VII**	**02 17 52 58.0–3.0**	**12.8N–.20**	**124.7E–.30**	**120–25**	**3.8b**	**13**	**4-59**	
IDC	VII	02 17 52 44.0–1.1	12.90N	124.94E	0	3.7,3.5			¶11799286
ISCJB	VII	02 17 52 56.0–3.1	12.8N–.20	124.8E–.30	120–27	3.8b,3.5			
NEIC	VII	02 17 52 57.2–3.0	12.84N	124.83E	116–25	4.6b,3.5			
ISC	Event type se.								
IDC	Error ellipse: s-maj=62.4km s-min=16.7km az=64.0.								
ISCJB	Event type se. Error ellipse: s-maj=52.8km s-min=13.5km az=153.7.								
NEIC	Event type se. Error ellipse: s-maj=45.1km s-min=10.8km az=63.0.								
ISC	**VII**	**15 01 28 09.5–1.2**	**12.80N–.05**	**125.50E–.09**	**48–11**	**4.3b,3.4s**	**63**	**1-149**	
IDC	VII	15 01 28 03.2–.70	12.74N	125.29E	0	4.3,4.2			¶11479996
ISCJB	VII	15 01 28 08.2–1.3	12.81N–.05	125.48E–.10	53–11	4.3b,3.4s			
NEIC	VII	15 01 28 10.6–1.7	12.75N	125.50E	59–15	4.5b,3.4s			
MAN	VII	15 01 28 11	13.11N	125.19E	49	5.2b,4.3s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=37.9km s-min=13.4km az=71.0.								
ISCJB	Event type se. Error ellipse: s-maj=16.1km s-min=6.5km az=162.8.								
NEIC	Event type se. Error ellipse: s-maj=23.2km s-min=8.2km az=68.0.								
ISC	**VII**	**24 23 30 48.1–1.5**	**12.31N–.07**	**125.3E–.10**	**41–13**	**4.1b**	**27**	**2-97**	
IDC	VII	24 23 30 41.2–1.3	12.33N	125.60E	0	4.1,4.0			¶11812559
ISCJB	VII	24 23 30 47.3–1.4	12.28N–.07	125.3E–.10	51–12	4.1b,4.0			
NEIC	VII	24 23 30 47.1–.54	12.35N	125.43E	35	4.3b,4.0			
ISC	Event type se.								
IDC	Error ellipse: s-maj=60.6km s-min=18.9km az=71.0.								
ISCJB	Event type se. Error ellipse: s-maj=16.8km s-min=10.5km az=166.3.								
NEIC	Event type se. Error ellipse: s-maj=23.3km s-min=8.8km az=71.0.								
MAN	**VII**	**25 18 32 08**	**11.26N**	**125.95E**	**3**	**4.7b,3.6s**			¶13728226
ISC	**VII**	**31 13 25 17.7–.76**	**12.97N–.07**	**125.38E–.09**	**35**	**3.7b**	**13**	**1-53**	
ISCJB	VII	31 13 25 15.3–.74	13.00N–.07	125.46E–.08	33	3.7b			¶11813018
IDC	VII	31 13 25 17.6–1.2	13.09N	125.66E	37–8	3.7,3.5b			
NEIC	VII	31 13 25 17.8–.81	12.98N	125.49E	35	4.1b,3.5b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=11.8km s-min=10.2km az=13.4.								
IDC	Error ellipse: s-maj=41.3km s-min=17.5km az=69.0.								
NEIC	Event type se. Error ellipse: s-maj=41.6km s-min=11.6km az=63.0.								
ISC	**VIII**	**11 10 10 10.4–1.0**	**12.25N–.07**	**125.7E–.10**	**35**	**3.7b**	**13**	**1-82**	
IDC	VIII	11 10 10 04.6–1.4	12.24N	125.95E	0	3.9,3.8			¶12581024
ISCJB	VIII	11 10 10 08.1–1.0	12.30N–.07	125.9E–.10	33	3.7b,3.8			
MAN	VIII	11 10 10 08	12.34N	125.67E	9	4.5b,3.4L			
IDC	Error ellipse: s-maj=67.3km s-min=24.1km az=66.0.								
ISCJB	Error ellipse: s-maj=16.4km s-min=9.2km az=161.4.								
ISC	**VIII**	**15 11 52 28.9–.94**	**13.00N–.04**	**124.41E–.06**	**7–7**	**3.4b**	**12**	**1-49**	
IDC	VIII	15 11 52 27.6–1.6	12.59N	123.85E	0	3.6,3.4b			¶12581099
MAN	VIII	15 11 52 27	13.16N	124.63E	12	4.5b,3.3L			
IDC	Error ellipse: s-maj=176.5km s-min=21.4km az=68.0.								
ISC	**VIII**	**15 19 09 03.4–1.1**	**12.98N–.03**	**124.49E–.05**	**32–9**	**4.0b**	**45**	**0-78**	
IDC	VIII	15 19 08 58.5–.73	12.85N	124.21E	0	4.0,3.9			¶11908268
NEIC	VIII	15 19 08 59.8–.56	12.93N	124.44E	10	4.4b,3.9			
ISCJB	VIII	15 19 09 00.5–1.1	13.03N–.03	124.56E–.06	25–8	4.0b,3.9			
MAN	VIII	15 19 09 00	13.20N	124.62E	9	4.8b,3.7s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=37.8km s-min=14.1km az=71.0.								
NEIC	Event type se. Error ellipse: s-maj=20.8km s-min=11.1km az=62.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.3km s-min=5.4km az=171.2.								
ISC	**VIII**	**18 02 15 05.7–1.3**	**12.87N–.06**	**124.44E–.08**	**26–11**	**3.8b**	**24**	**0-84**	
MAN	VIII	18 02 15 01	13.09N	124.55E	11	4.8b,3.8s			¶11908383
NEIC	VIII	18 02 15 03.2–.80	12.89N	124.55E	10	4.8b,3.8s			
ISCJB	VIII	18 02 15 05.5–1.0	12.85N–.07	124.45E–.09	41–10	3.8b,3.8s			
IDC	VIII	18 02 15 13.0–3.7	12.55N	123.77E	88–36	3.6,3.6			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=28.0km s-min=12.8km az=57.0.								
ISCJB	Event type se. Error ellipse: s-maj=17.4km s-min=7.2km az=148.0.								
IDC	Error ellipse: s-maj=50.5km s-min=15.0km az=69.0.								
MAN	**VIII**	**19 14 13 55**	**11.05N**	**125.03E**	**157**	**4.2b,3.0L**			¶13728392
MAN	**VIII**	**20 01 33 55**	**11.62N**	**125.43E**	**27**	**4.1b,2.9L**			¶13728400
ISC	**VIII**	**20 13 38 56.8–1.3**	**12.88N–.06**	**124.42E–.07**	**28–9**	**3.6b**	**20**	**0-51**	
MAN	VIII	20 13 38 49	13.34N	124.63E	59	4.8b,3.7s			¶12581235
IDC	VIII	20 13 38 52.3–1.6	12.93N	124.55E	0	3.7,3.6b			
ISCJB	VIII	20 13 38 55.0–1.7	12.91N–.05	124.48E–.08	31–12	3.6b,3.6b			
ISC	**VIII**	**20 21 16 58.1–1.3**	**13.00N–.05**	**124.49E–.06**	**9–7**	**3.6b**	**17**	**1-49**	
ISCJB	VIII	20 21 16 58.1–1.4	13.02N–.06	124.53E–.07	21–10	3.6b			¶13728403
MAN	VIII	20 21 16 59	13.01N	124.26E	1	4.5b,3.4L			
IDC	VIII	20 21 17 00.1–1.3	11.32N	121.12E	0	3.8,3.6b			
ISCJB	Error ellipse: s-maj=13.2km s-min=7.4km az=147.3.								
IDC	Error ellipse: s-maj=155.8km s-min=21.0km az=66.0.								
MAN	**IX**	**01 13 01 11**	**12.80N**	**124.28E**	**14**	**4.3b,3.2L**			¶13728496
MAN	**IX**	**03 20 20 18**	**11.60N**	**125.45E**	**28**	**4.1b,2.9L**			¶13729137
MAN	**IX**	**05 15 59 55**	**11.42N**	**125.82E**	**37**	**4.3b,3.1L**			¶13729890
MAN	**IX**	**16 00 29 44**	**11.05N**	**125.53E**	**32**	**3.9b,2.6L**			¶13733935
ISC	**IX**	**19 20 28 06.2–.85**	**12.97N–.05**	**124.52E–.09**	**37–10**	**3.7b**	**32**	**0-78**	
IDC	IX	19 20 28 00.7–.85	12.99N	124.60E	0	3.9,3.8			¶11910651
MAN	IX	19 20 28 03	13.04N	124.27E	1	4.8b,3.7s			
ISCJB	IX	19 20 28 05.0–.82	12.98N–.05	124.51E–.08	45–9	3.7b,3.7s			
NEIC	IX	19 20 28 11.6–2.8	12.89N	124.41E	90–26	3.7b,3.7s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=39.7km s-min=17.1km az=71.0.								
ISCJB	Event type se. Error ellipse: s-maj=14.1km s-min=6.7km az=162.7.								
NEIC	Event type se. Error ellipse: s-maj=36.3km s-min=13.9km az=65.0.								
ISC	**X**	**02 13 03 12.2–1.8**	**12.65N–.07**	**125.7E–.20**	**40–16**	**3.6b**	**26**	**1-92**	
IDC	X	02 13 03 07.8–1.0	12.29N	124.95E	0	3.7,3.6			¶11911711
MAN	X	02 13 03 08	12.68N	125.71E	15	4.8b,3.8s			
ISCJB	X	02 13 03 10.8–1.9	12.66N–.07	125.6E–.20	47–17	3.6b,3.8s			
NEIC	X	02 13 03 12.2–.86	12.39N	125.19E	35	4.3b,3.8s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=44.9km s-min=16.7km az=73.0.								
ISCJB	Event type se. Error ellipse: s-maj=28.9km s-min=8.2km az=161.1.								
NEIC	Event type se. Error ellipse: s-maj=42.6km s-min=11.7km az=67.0.								
ISC	**X**	**03 07 07 46.6–2.5**	**12.83N–.10**	**125.3E–.20**	**54–23**	**3.8b**	**14**	**1-49**	
ISCJB	X	03 07 07 45.9–2.2	12.81N–.09	125.3E–.20	64–20	3.8b			¶12065762
IDC	X	03 07 07 47.1–5.0	12.82N	125.39E	55–48	4.7L,3.6			
MAN	X	03 07 07 52	12.36N	124.70E	14	4.7b,3.5s			
ISCJB	Error ellipse: s-maj=36.5km s-min=11.0km az=163.8.								
IDC	Error ellipse: s-maj=52.2km s-min=17.9km az=77.0.								
ISC	**X**	**03 07 28 10.6–1.0**	**12.85N–.05**	**125.35E–.08**	**57–10**	**4.2b,3.2s**	**56**	**1-149**	
ISCJB	X	03 07 28 09.4–1.0	12.85N–.05	125.32E–.08	65–9	4.2b,3.2s			¶12065764
MAN	X	03 07 28 11	12.75N	125.02E	17	4.9b,3.9s			
IDC	X	03 07 28 12.9–3.7	12.82N	125.20E	75–34	3.9,3.7			
NEIC	X	03 07 28 14.3–2.4	12.78N	125.16E	90–22	4.5b,3.7			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=13.9km s-min=5.5km az=152.5.								
IDC	Error ellipse: s-maj=27.3km s-min=12.0km az=74.0.								
NEIC	Event type se. Error ellipse: s-maj=27.0km s-min=8.4km az=67.0.								
ISC	**X**	**07 03 34 36.5–.16**	**11.41N–.02**	**125.52E–.03**	**53**	**5.3b,4.4s**	**501**	**2-166**	
MOS	X	07 03 34 33.5–.83	11.30N	125.36E	43	5.7b,4.7s			¶13396279
BJI	X	07 03 34 34.3	11.10N	125.54E	69	5.3b,5.2b			
ISCJB	X	07 03 34 34.6–.16	11.42N–.02	125.57E–.03	51	5.3b,4.4s			
IDC	X	07 03 34 35.9–.36	11.30N	125.45E	50–3	4.8,4.8			
NEIC	X	07 03 34 35.3–.14	11.27N	125.42E	45	5.4b,5.4W			
MAN	X	07 03 34 37	11.40N	125.39E	38	5.7b,5.2s			
GCMT	X	07 03 34 38.0–.20	11.42N	125.63E	54–0	5.3W,5.2s			
DJA	X	07 03 34 39	11.80N	125.56E	109	5.0b,5.2s			
ISC	Event type fe.								
MOS	Error ellipse: s-maj=8.9km s-min=4.6km az=117.1.								
ISCJB	Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=10.4.								
IDC	Error ellipse: s-maj=11.6km s-min=7.9km az=79.0.								
NEIC	Event type fe. Error ellipse: s-maj=4.8km s-min=3.7km az=70.0. Felt [IV PIVS] at Borongan and [III PIVS] at Can-Avid. Also felt [IV PIVS] at Tacloban; [III PIVS] at Alangalang and Palo; [II PIVS] at Saint Bernard, Leyte. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17} Nm; M_{rr}1.17 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-1.53 $M_{r\theta}$0.05 $M_{\theta\phi}$0.08 $M_{\phi r}$0.27 Best double couple: NP1:ϕ_s2.00000°,δ51.00000°,λ95.00000°. NP2:ϕ_s173.00000°,δ39.00000°,λ84.00000°. Principal axes: T 1.2000,Plg83.0000°,Azm303.0000°; N 0.3600,Plg3.0000°,Azm178.0000° ; P -1.5600,Plg5.0000°,Azm87.0000° M_o1.40000×10^{17}								
MAN	Event type fe. INTENSITY IV - BORONGAN E. SAMAR; TACLOBAN LEYTE; INTENSITY III - ALANG-ALANG LEYTE; CAN-AVID SAMAR; PALO.								
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c131; s87,c160; Moment tensor: Scale 10^{17}Nm; M_{rr}0.88±.02 $M_{\theta\theta}$0.16±.02; $M_{\theta\phi}$-1.05±.02; $M_{r\theta}$0.20±.01; $M_{\theta\theta}$0.16±.01; $M_{\theta r}$0.25±.02; Best double couple: NP1:ϕ_s156.00000°,δ41.00000°,λ65.00000°. NP2:ϕ_s8.00000°,δ53.00000°,λ110.00000°. Principal axes: T 0.9700,Plg73.0000° ,Azm332.0000°; N 0.1200,Plg16.0000°,Azm176.0000°; P -1.1000,Plg7.0000°,Azm84.0000° M_o1.00000×10^{17}								
ISC	**X**	**08 17 25 39.7–.89**	**12.97N–.03**	**124.46E–.06**	**25–8**	**3.9b,3.7s**	**44**	**0-59**	
IDC	X	08 17 25 35.9–.99	12.96N	124.38E	0	3.8,3.7			¶12066349
ISCJB	X	08 17 25 38.7–.74	12.99N–.04	124.52E–.06	35–8	3.9b,3.7s			
MAN	X	08 17 25 38	13.02N	124.31E	2	5.3b,4.5s			
NEIC	X	08 17 25 40.1–.65	13.24N	125.08E	35	4.4b,4.5s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=69.4km s-min=17.4km az=71.0.								
ISCJB	Event type fe. Error ellipse: s-maj=10.9km s-min=5.4km az=160.3.								
MAN	Event type fe. INTENSITY II - LIGNON HILL ALBAY.								
NEIC	Event type fe. Error ellipse: s-maj=23.8km s-min=11.0km az=61.0. Felt [II PIVS] at Lignon Hill, Luzon.								
ISC	**X**	**08 18 13 02.5–1.3**	**12.97N–.06**	**124.38E–.06**	**17–10**	**3.4b**	**22**	**1-53**	
MAN	X	08 18 13 00	13.02N	124.34E	10	4.9b,3.9s			¶12066353
IDC	X	08 18 13 00.1–1.4	12.58N	123.76E	0	3.5,3.4b			
ISCJB	X	08 18 13 02.5–1.2	12.98N–.07	124.40E–.06	31–9	3.4b,3.4b			
ISC	**X**	**08 18 25 46.3–1.1**	**13.00N–.05**	**124.45E–.05**	**10–7**	**3.7b**	**45**	**1-58**	
IDC	X	08 18 25 43.0–1.1	13.26N	125.24E	0	3.9s,3.9			¶12066356
MAN	X	08 18 25 46	13.05N	124.38E	14	4.9b,3.8s			
NEIC	X	08 18 25 48.1–.63	13.22N	125.14E	35	4.2b,3.8s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=41.0km s-min=16.1km az=57.0.								
NEIC	Event type se. Error ellipse: s-maj=22.4km s-min=10.0km az=57.0.								
ISC	**X**	**08 18 59 57.3–1.0**	**12.97N–.03**	**124.46E–.05**	**15–7**	**3.8b**	**54**	**0-78**	
IDC	X	08 18 59 54.9–.88	12.82N	124.27E	0	3.8,3.7			¶12066360
ISCJB	X	08 18 59 56.5–.97	13.02N–.04	124.46E–.05	21–8	3.8b,3.7			
MAN	X	08 18 59 56	13.07N	124.46E	14	5.1b,4.2s			
NEIC	X	08 18 59 59.9–.66	12.89N	124.51E	35	4.4b,4.2s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=44.4km s-min=16.5km az=64.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.2km s-min=5.4km az=154.4.								
NEIC	Event type se. Error ellipse: s-maj=25.7km s-min=12.2km az=57.0.								
ISC	**X**	**08 19 34 58.7–1.1**	**12.99N–.04**	**124.49E–.05**	**22–8**	**3.9b**	**51**	**1-80**	
IDC	X	08 19 34 54.9–.82	13.00N	124.40E	0	3.9,3.8b			¶12066366
MAN	X	08 19 34 57	13.03N	124.36E	13	5.0b,4.0s			
NEIC	X	08 19 35 02.6–2.2	12.98N	124.38E	60–20	4.5b,4.0s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=37.1km s-min=15.8km az=69.0.								
NEIC	Event type se. Error ellipse: s-maj=26.9km s-min=7.6km az=63.0.								
ISC	**X**	**09 11 46 08.8–1.1**	**13.00N–.04**	**124.47E–.06**	**7–7**	**3.6b**	**36**	**1-49**	
MAN	X	09 11 46 08	13.03N	124.28E	5	4.8b,3.8s			¶12066419
NEIC	X	09 11 46 17.0–2.1	12.88N	124.44E	89–19	4.8b,3.8s			
IDC	X	09 11 46 18.4–4.1	12.81N	124.30E	98–40	3.5,3.4			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=25.5km s-min=9.2km az=69.0.								
IDC	Error ellipse: s-maj=41.8km s-min=14.5km az=69.0.								
MAN	**X**	**11 13 25 40**	**12.52N**	**124.33E**	**28**	**4.9b,3.9s**			¶13742502
ISC	**X**	**11 18 07 10.4–.61**	**13.00N–.04**	**124.46E–.06**	**37–8**	**3.9b**	**50**	**1-53**	
IDC	X	11 18 07 04.8–.81	12.86N	124.16E	0	3.9,3.8			¶12066599
MAN	X	11 18 07 08	13.05N	124.37E	13	4.9b,3.9s			
ISCJB	X	11 18 07 09.1–.53	13.03N–.03	124.46E–.06	43–6	3.9b,3.9s			
NEIC	X	11 18 07 17.4–2.6	12.92N	124.34E	110–25	4.2b,3.9s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=33.9km s-min=15.5km az=72.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.7km s-min=4.7km az=158.7.								
NEIC	Event type se. Error ellipse: s-maj=27.9km s-min=12.2km az=72.0.								
ISC	**X**	**17 23 21 25.5–.68**	**12.93N–.04**	**124.36E–.06**	**54–7**	**4.2b,3.5s**	**83**	**1-93**	
MAN	X	17 23 21 20	13.03N	124.41E	8	4.9b,3.9s			¶12068932
NEIC	X	17 23 21 21.4–.29	12.88N	124.44E	23	4.5b,3.9s			
ISCJB	X	17 23 21 23.8–.73	12.95N–.04	124.40E–.06	56–7	4.2b,3.5s			
IDC	X	17 23 21 24.5–3.4	12.84N	124.40E	49–33	4.1L,4.0			
ISC	Event type fe.								
MAN	Event type fe. INTENSITY II - SORSOGON CITY LEGASPI CITY.								
NEIC	Event type fe. Error ellipse: s-maj=11.0km s-min=5.6km az=70.0. Felt [II PIVS] at Sorsogon, Luzon.								
ISCJB	Event type fe. Error ellipse: s-maj=10.5km s-min=5.1km az=156.0.								
IDC	Error ellipse: s-maj=28.4km s-min=12.0km az=76.0.								
ISC	**X**	**22 00 51 43.9–.93**	**12.61N–.06**	**125.96E–.09**	**35**	**4.0b**	**20**	**1-60**	
ISCJB	X	22 00 51 41.4–.93	12.65N–.06	126.07E–.09	33	4.0b			¶13746219
MAN	X	22 00 51 42	12.57N	125.96E	58	4.5b,3.3L			
IDC	X	22 00 51 49.5–1.2	10.75N	124.05E	0	4.2,4.0b			
NEIC	X	22 00 51 54.2–.45	10.79N	124.13E	35	4.0b,4.0b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=12.8km s-min=8.6km az=162.3.								
IDC	Error ellipse: s-maj=72.7km s-min=16.8km az=61.0.								
NEIC	Event type se. Error ellipse: s-maj=22.4km s-min=8.1km az=61.0.								
ISC	**XI**	**03 14 14 02.3–.51**	**12.71N–.04**	**124.71E–.06**	**70–4**	**4.0b**	**50**	**0-149**	
ISCJB	XI	03 14 14 01.1–.53	12.71N–.04	124.72E–.06	76–4	4.0b			¶12072131
NEIC	XI	03 14 14 01.8–.33	12.70N	124.88E	69	4.2b			
IDC	XI	03 14 14 02.1–.85	12.71N	124.84E	69–7	3.9,3.8			
MAN	XI	03 14 14 02	12.79N	124.63E	70	4.6b,3.5L			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=9.8km s-min=5.6km az=164.3.								
NEIC	Event type fe. Error ellipse: s-maj=13.3km s-min=5.9km az=68.0. Felt [I PIVS] at Catarman.								
IDC	Error ellipse: s-maj=41.1km s-min=12.7km az=67.0.								
MAN	Event type fe. INTENSITY I - CATARMAN NORTHERN SAMAR.								
ISC	**XI**	**04 01 05 08.2–8.2**	**12.2N–.10**	**125.3E–.30**	**15–50**	**3.6b**	**11**	**1-82**	
IDC	XI	04 01 05 05.5–1.7	12.33N	125.55E	0	3.7,3.6b			¶12072196
ISCJB	XI	04 01 05 07.3–3.7	12.2N–.10	125.4E–.20	23–24	3.6b,3.6b			
ISC	**XI**	**06 01 04 30.0–.17**	**13.00N–.02**	**124.40E–.03**	**10**	**4.8b,4.4s**	**381**	**1-167**	
IDC	XI	06 01 04 28.0–.39	12.93N	124.33E	0	4.6,4.6			¶11396232
ISCJB	XI	06 01 04 28.2–.17	12.99N–.02	124.42E–.03	10	4.8b,4.4s			
MAN	XI	06 01 04 30	13.12N	124.37E	15	5.6b,5.0s			

BJI XI 06 01 04 30.1 12.68N 124.41E 37 5.0b,4.7s
MOS XI 06 01 04 31.2–.98 12.92N 124.33E 33 5.2b,4.5s
GCMT XI 06 01 04 32.4–.10 13.06N 124.48E 25–0 5.2W,4.5s
NEIC XI 06 01 04 33.4–.71 12.92N 124.37E 36–6 5.1b,4.5s
TEH XI 06 01 04 33.0 12.91N 124.41E 35 5.1b,4.5s
DJA XI 06 01 04 54 12.47N 124.33E 156 4.9b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=15.0km s-min=9.9km az=68.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=2.7km az=164.5.
MAN Event type fe. INTENSITY III - SORSOGON CITY LEGASPI CITY CATARMAN N. SAMAR; VIRAC CATANDUANES; INTENSITY II - CAN-AVID N. SAMAR.
MOS Error ellipse: s-maj=10.6km s-min=5.5km az=121.4.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c119; s92,c171; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.04±.19 $M_{\theta\theta}$8.22±.14; $M_{\phi\phi}$-1.18±.16; $M_{r\theta}$1.09±.27; $M_{\theta\phi}$-0.05±.11; $M_{\phi r}$1.31±.35; Best double couple: NP1:ϕ_s102.00000°,δ42.00000°,λ-72.00000°. NP2:ϕ_s259.00000°,δ50.00000°,λ-106.00000°. Principal axes: T 8.3000,Plg4.0000°,Azm360.0000°; N -0.9000,Plg12.0000°,Azm269.0000°; P -7.3900,Plg77.0000°,Azm108.0000° $M_0$7.90000×10^{16}
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=4.1km az=74.0. Felt [III PIVS] at Catarman and [II PIVS] at Can-Avid. Also felt [III PIVS] at Legaspi and Sorsogon, Luzon and at Virac, Catanduanes.

ISC XI 06 07 52 52.7–.73 12.9N–.10 124.3E–.20 35 3.8b 11 1-53
IDC XI 06 07 52 47.3–.85 12.73N 123.79E 0 4.0,3.9b ¶12072505
ISCJB XI 06 07 52 50.1–.73 12.9N–.10 124.2E–.30 33 3.8b,3.9b
ISC XI 06 08 33 07.5–1.2 12.9N–.10 124.5E–.20 35 3.5b 7 1-51
ISCJB XI 06 08 33 04.9–1.1 13.0N–.10 124.6E–.20 33 3.5b ¶12072508
IDC XI 06 08 33 04.8–1.0 12.17N 122.91E 0 3.8,3.6b
ISCJB Error ellipse: s-maj=26.8km s-min=14.2km az=162.3.
IDC Error ellipse: s-maj=53.6km s-min=18.9km az=74.0.
ISC XI 13 18 30 34.9–.72 12.98N–.06 124.6E–.10 35 3.5b,2.9s 14 0-53
IDC XI 13 18 30 30.1–1.1 13.00N 124.48E 0 3.6,3.5 ¶12073437
ISCJB XI 13 18 30 32.9–.69 13.06N–.06 124.5E–.10 33 3.5b,2.9s
MAN XI 13 18 30 32 13.18N 124.56E 25 4.7b,3.6s
IDC Error ellipse: s-maj=46.4km s-min=19.6km az=67.0.
ISCJB Error ellipse: s-maj=19.7km s-min=5.4km az=158.9.
ISC XI 20 16 54 32.9–1.2 12.89N–.08 124.34E–.09 49–12 3.6b 37 1-78
IDC XI 20 16 54 26.3–.92 12.87N 124.25E 0 3.7,3.6 ¶12074285
MAN XI 20 16 54 27 13.01N 124.31E 1 4.8b,3.8s
ISCJB XI 20 16 54 31.8–1.3 12.90N–.08 124.36E–.10 57–13 3.6b,3.8s
NEIC XI 20 16 54 37.5–2.8 12.64N 123.83E 95–26 4.2b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=46.7km s-min=17.1km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=6.2km az=140.7.
NEIC Event type se. Error ellipse: s-maj=33.8km s-min=11.1km az=73.0.
ISC XI 24 07 34 43.8–.86 12.39N–.06 125.7E–.10 35 3.7b,3.7s 22 1-92
IDC XI 24 07 34 38.6–1.1 12.31N 125.68E 0 3.9,3.8 ¶12074660
ISCJB XI 24 07 34 41.2–.85 12.42N–.06 125.8E–.10 33 3.7b,3.7s
NEIC XI 24 07 34 43.6–.83 12.32N 125.71E 35 3.7b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=62.3km s-min=17.4km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=8.6km az=6.3.
NEIC Event type se. Error ellipse: s-maj=42.1km s-min=12.2km az=65.0.
ISC XI 30 07 24 07.0–.74 11.59N–.06 125.1E–.10 102–5 4.2b 31 0-85
IDC XI 30 07 23 54.4–1.0 11.74N 125.25E 0 4.1,4.0b ¶12075316
ISCJB XI 30 07 24 06.0–.76 11.57N–.06 125.1E–.10 108–5 4.2b,4.0b
MAN XI 30 07 24 07 11.60N 125.05E 80 5.0b,4.0s
IDC Error ellipse: s-maj=55.8km s-min=16.4km az=68.0.
ISCJB Error ellipse: s-maj=17.2km s-min=9.9km az=171.5.
ISC XI 30 21 55 06.2–2.0 11.68N–.08 125.4E–.20 52–17 3.9s,3.7b 14 1-95
IDC XI 30 21 54 59.0–1.4 11.83N 125.59E 0 3.9s,3.9 ¶12075365
ISCJB XI 30 21 55 05.3–1.7 11.66N–.08 125.4E–.20 61–14 3.7b,3.9
ISC XII 02 21 39 28.7–2.0 12.38N–.06 125.69E–.07 10–12 3.9b 26 1-85
IDC XII 02 21 39 27.4–1.1 12.27N 125.54E 0 3.9,3.8 ¶12075550
MAN XII 02 21 39 30 12.43N 125.65E 26 4.9b,3.8s
NEIC XII 02 21 39 32.3–.41 12.26N 125.59E 35 4.3b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=64.3km s-min=16.4km az=61.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=8.3km az=52.0.
MAN XII 04 08 14 11 11.44N 125.40E 32 4.1b,2.9L
¶13758855
ISC XII 05 09 37 09.7–.85 12.46N–.06 125.5E–.20 35 3.7b 15 1-56
IDC XII 05 09 37 04.1–1.9 12.71N 126.08E 0 3.5,3.4b ¶12075866
ISCJB XII 05 09 37 07.2–.84 12.50N–.06 125.6E–.10 33 3.7b,3.4b
NEIC XII 05 09 37 09.7–1.2 12.46N 125.44E 35 4.1b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=177.4km s-min=19.7km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=8.8km az=177.4.
NEIC Event type se. Error ellipse: s-maj=107.0km s-min=12.1km az=67.0.
ISC XII 20 04 10 25.6–3.0 13.0N–.10 124.8E–.20 16–15 3.8b 9 0-47
IDC XII 20 04 10 17.6–29 13.54N 124.67E 0 3.9,3.8 ¶12078283
ISCJB XII 20 04 10 25.4–2.5 12.94N–.08 124.9E–.20 26–18 3.8b,3.8
MAN XII 20 04 10 26 12.95N 124.76E 13 4.8b,3.7s
IDC Error ellipse: s-maj=527.8km s-min=266.1km az=151.0.
ISCJB Error ellipse: s-maj=33.3km s-min=9.3km az=164.5.
ISC XII 23 12 41 07.2–2.3 12.74N–.09 124.9E–.10 25–15 3.7b 28 0-117
MAN XII 23 12 41 02 13.02N 124.98E 8 4.8b,3.7s ¶12078676
IDC XII 23 12 41 02.9–1.0 12.74N 125.06E 0 3.7,3.6b
ISCJB XII 23 12 41 05.4–2.5 12.81N–.10 125.0E–.10 29–17 3.7b,3.6b
NEIC XII 23 12 41 08.9–1.2 12.58N 124.65E 35 3.9b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=113.0km s-min=17.3km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=9.0km az=139.4.
NEIC Event type se. Error ellipse: s-maj=134.0km s-min=11.4km az=66.0.
ISC XII 24 12 27 18.9–.55 12.95N–.05 124.87E–.05 35 3.9b,3.0s 38 1-59
IDC XII 24 12 27 13.2–.97 13.01N 125.37E 0 4.5L,4.0 ¶12078818
MAN XII 24 12 27 16 12.96N 124.73E 2 4.8b,3.7s
ISCJB XII 24 12 27 17.0–.55 12.99N–.04 124.92E–.05 33 3.9b,3.0s
NEIC XII 24 12 27 18.5–.56 13.00N 125.23E 35 4.2b,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=17.1km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.9km az=146.7.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.9km az=75.0.

(253) Sulu Sea.

MAN VII 08 04 12 42 9.71N 122.00E 56 4.4b,3.3L
¶13728096
ISC IX 06 09 11 46.2–1.6 9.72N–.04 121.82E–.04 3–10 4.3b,3.5s 64 1-151
IDC IX 06 09 11 45.5–.49 9.72N 121.98E 0 4.3,4.2 ¶11909594
BJI IX 06 09 11 45.6 9.70N 122.00E 15 4.8b,4.6b
MAN IX 06 09 11 45 9.74N 121.80E 1 4.6b,3.5L
NEIC IX 06 09 11 50.7–.21 9.69N 121.96E 35 4.5b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=11.0km az=72.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=4.8km az=67.0.
ISC IX 06 11 10 36.1–2.2 9.77N–.07 121.86E–.05 27–20 4.0b 17 1-46
ISCJB IX 06 11 10 35.9–.73 9.74N–.07 121.85E–.05 43–16 4.0b ¶13730218
MAN IX 06 11 10 35 9.73N 121.83E 28 4.5b,3.4L
IDC IX 06 11 11 47.8–7.8 1.56N 124.21E 0 4.0,3.9
ISCJB Error ellipse: s-maj=11.2km s-min=8.8km az=18.8.
IDC Error ellipse: s-maj=166.8km s-min=120.9km az=63.0.
ISC IX 09 15 58 53.9–1.7 9.70N–.06 121.85E–.05 4–12 3.9b 19 1-50
IDC IX 09 15 58 53.6–2.1 9.67N 122.00E 0 4.1,3.9b ¶11909886
ISCJB IX 09 15 58 54.5–1.7 9.68N–.06 121.82E–.05 19–16 3.9b,3.9b
MAN IX 09 15 58 56 9.71N 121.84E 30 4.4b,3.3L
IDC Error ellipse: s-maj=176.4km s-min=24.0km az=65.0.
ISCJB Error ellipse: s-maj=11.1km s-min=7.3km az=20.7.
MAN IX 11 19 54 24 9.80N 121.89E 53 4.3b,3.2L
¶13732013
MAN IX 13 17 20 47 9.69N 121.82E 27 4.6b,3.4s
¶13732808
MAN IX 17 12 00 54 9.52N 121.92E 1 3.8b,2.5L
¶13734264
ISC IX 20 00 43 33.8–.59 9.74N–.05 121.88E–.06 35 3.7b 14 1-50
IDC IX 20 00 43 29.1–1.9 9.75N 122.03E 0 4.0,3.8 ¶11910674
ISCJB IX 20 00 43 32.4–.59 9.71N–.05 121.85E–.06 33 3.7b,3.8
MAN IX 20 00 43 32 9.77N 121.84E 32 4.9b,3.9s
IDC Error ellipse: s-maj=97.8km s-min=22.5km az=55.0.
ISCJB Error ellipse: s-maj=9.0km s-min=6.6km az=156.6.
MAN X 26 21 51 51 9.42N 121.99E 34 4.3b,3.1L
¶13747430
MAN X 26 22 01 23 9.49N 121.99E 33 4.3b,3.1L
¶13747431
MAN XI 21 20 40 29 9.75N 121.86E 34 4.4b,3.3L
¶13755738
MAN XI 29 10 48 32 9.62N 121.98E 20 4.7b,3.6s
¶13758316

(254) Panay.

ISC VII 04 09 00 55.7–.87 10.95N–.04 122.08E–.04 0–7 3.5b 23 1-49
MAN VII 04 09 00 55 10.94N 122.09E 1 4.6b,3.4L ¶12698001
ISCJB VII 04 09 00 56.4–.82 10.91N–.05 122.10E–.04 16–9 3.5b,3.4L
IDC VII 04 09 01 01.0–3.9 10.49N 121.90E 59–38 4.4L,3.5
ISC Event type fe.
MAN Event type fe. INTENSITY II - ILOILO CITY.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=5.8km az=31.5.
IDC Error ellipse: s-maj=58.5km s-min=18.1km az=62.0.
MAN VII 15 08 15 14 11.34N 122.86E 21 4.3b,3.2L
¶13728143
MAN Event type fe. INTENSITY I - MUNICIPALITY OF PRESIDENT ROXAS CAPIZ.
MAN VIII 21 19 15 32 10.69N 122.07E 1 4.4b,3.2L
¶13728418
ISC VIII 31 14 26 06.4–1.2 11.77N–.08 122.2E–.30 35 3.4b 5 2-48
IDC VIII 31 14 26 00.7–3.4 12.00N 122.59E 0 3.5,3.3b ¶12581598
ISCJB VIII 31 14 26 04.2–1.2 11.73N–.08 122.1E–.30 33 3.4b,3.3b
IDC IX 12 13 10 29.4–3.1 11.85N 122.55E 0 3.5,3.4b
¶11910104
IDC Error ellipse: s-maj=340.3km s-min=28.5km az=62.0.
IDC IX 28 06 12 10.6–3.2 10.91N 121.77E 0 3.7b
¶11911253
IDC Error ellipse: s-maj=392.2km s-min=26.3km az=62.0.
MAN X 27 17 36 28 10.77N 122.02E 32 4.2b,3.0L
¶13747817
MAN XI 01 18 27 45 10.75N 122.78E 27 4.0b,2.8L
¶13749398
MAN XI 03 00 48 25 10.81N 122.91E 8 4.1s,2.9b
¶13750130
MAN Event type fe. INTENSITY III - BACOLOD CITY.
MAN XI 21 18 34 10 10.21N 121.80E 20 4.5b,3.3L
¶13755737
MAN XI 29 06 22 44 10.16N 122.26E 40 4.3b,3.2L
¶13758315
MAN XII 03 16 11 54 11.61N 121.97E 67 4.0b,2.7L
¶13758850
MAN XII 20 17 27 50 10.55N 122.47E 81 4.2b,3.0L
¶13759506
MAN XII 21 22 58 43 10.13N 122.23E 27 4.2b,3.0L
¶13759521
MAN XII 28 17 25 07 11.38N 122.53E 89 3.7b,2.4L
¶13762366

(255) Cebu.

ISC VIII 01 18 14 11.0–.76 10.91N–.03 123.18E–.04 12–5 4.3b,3.8s 65 1-84
IDC VIII 01 18 14 09.4–.83 10.74N 122.90E 0 4.4L,4.2 ¶11907677
MAN VIII 01 18 14 10 10.87N 123.09E 7 5.4b,4.6s
ISCJB VIII 01 18 14 11.2–.69 10.91N–.03 123.12E–.04 26–6 4.3b,3.8s
NEIC VIII 01 18 14 11.2–5.2 10.82N 122.98E 14–33 4.6b,3.8s
DJA VIII 01 18 14 39 9.50N 122.13E 39 4.7b,3.8s
ISC Event type fe.
IDC Error ellipse: s-maj=34.8km s-min=14.7km az=66.0.
MAN Event type fe. INTENSITY VI - SILAY CITY CADIZ CITY SAGAY CITY (NEGROS OCCIDENTAL); INTENSITY IV - BACOLOD CITY ILOILO CITY GUIMARAS ISLAND; INTENSITY III - MAMBUCAL NEGROS OCCIDENTAL; ROXAS CITY.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=4.0km az=155.3.
NEIC Event type fe. Error ellipse: s-maj=24.5km s-min=8.0km az=58.0. Felt [VI PIVS] at Cadiz, Sagay City and Silay; [IV PIVS] at Bacolod; [III PIVS] at Mambucal, Negros. Felt [IV PIVS] at Iloilo and [III PIVS] at Roxas City, Panay. Also felt [IV PIVS] on Guimaras Island.
MAN X 28 05 14 38 10.34N 123.79E 9 4.7b,3.6L
¶13748125
MAN Event type fe. INTENSITY III - CEBU CITY; MINGLANILLA CEBU; TALISAY CITY; INTENSITY II - MANDAUE CITY.
MAN XII 04 11 05 44 10.31N 123.80E 6 3.9b,2.6L
¶13758857

(256) Leyte.

MAN VII 15 11 17 34 11.75N 124.23E 17 4.5b,3.3L
¶13728144
MAN VII 24 16 15 04 10.08N 125.11E 33 4.1b,2.9L
¶13728220
MAN VII 25 00 36 25 11.77N 124.92E 95 4.3b,3.2L
¶13728223
MAN VII 31 14 00 48 10.02N 125.94E 19 4.4b,3.2L
¶13728260
MAN VIII 06 14 24 54 11.79N 124.26E 30 4.3b,3.1L
¶13728296
MAN VIII 08 17 31 08 10.15N 125.12E 16 4.2b,3.0L
¶13728309
MAN VIII 16 13 43 13 10.59N 124.09E 1 4.3b,3.1L
¶13728369
ISC VIII 24 19 38 11.5–.44 10.17N–.04 125.30E–.05 35 4.0b,3.5s 46 1-146
IDC VIII 24 19 38 06.1–.66 10.27N 125.41E 0 4.3L,4.1 ¶11653067
MAN VIII 24 19 38 07 10.19N 125.20E 2 5.3b,4.5s
ISCJB VIII 24 19 38 09.6–.43 10.20N–.04 125.32E–.04 33 4.0b,3.5s
BJI VIII 24 19 38 10.2 10.20N 125.30E 25 4.6b,4.5b
NEIC VIII 24 19 38 11.3–.50 10.18N 125.32E 35 4.3b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=35.7km s-min=14.4km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.2km az=175.7.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=8.7km az=68.0.
MAN VIII 24 21 21 58 10.22N 125.19E 19 4.8b,3.7L
¶13728440
ISC VIII 25 02 43 08.9–.35 10.29N–.02 125.30E–.03 48–3 5.7s,5.5b 588 1-166
DJA VIII 25 02 43 04 10.75N 125.67E 30 5.5b,5.5b ¶13392533
MAN VIII 25 02 43 05 10.24N 125.11E 5 6.1b,5.7s
MOS VIII 25 02 43 05.8–1.1 10.34N 125.23E 33 5.7b,5.6s
IDC VIII 25 02 43 05.7–2.0 10.36N 125.23E 21–12 5.6s,5.6
ISCJB VIII 25 02 43 06.3–.37 10.28N–.02 125.32E–.02 40–3 5.7s,5.5b
NEIC VIII 25 02 43 06.4–.16 10.31N 125.25E 27 5.8W,5.8W
BJI VIII 25 02 43 06.0 10.22N 125.47E 49 5.9s,5.7b
GCMT VIII 25 02 43 08.3–.10 10.30N 125.27E 12 5.8W,5.7b
TEH VIII 25 02 43 09.0 10.25N 125.28E 49 5.8W,5.7b
ISC Event type fe.
MAN Event type fe. INTENSITY VI - ST BERNARD S. LEYTE; INTENSITY V - HILONGOS; SOGOD S. LEYTE; INTENSITY IV - SURIGAO CITY.
MOS Error ellipse: s-maj=8.4km s-min=4.2km az=117.6.
IDC Error ellipse: s-maj=14.8km s-min=7.5km az=76.0.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=161.0.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.6km az=60.0. Felt [V PIVS] at Hilongos and Sogod; [IV PIVS] at Saint Bernard; [III PIVS] at Maasin and Tacloban. Also felt [IV PIVS] at Surigao and [II PIVS] at Butuan, Mindanao. Felt [II PIVS] at Cebu City, Cebu and on Camiguin Island. Felt at Talisay, Negros. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74 $M_{\theta\theta}$4.32 $M_{\phi\phi}$-5.07 $M_{r\theta}$0.44 $M_{\theta\phi}$-3.07 $M_{\phi r}$-0.72 Best double couple: NP1:ϕ_s152.00000°,δ88.00000°,λ9.00000°. NP2:ϕ_s61.00000°,δ81.00000°,λ178.00000°. Principal axes: T 5.3200,Plg7.0000°,Azm16.0000°; N 0.7000,Plg80.0000°,Azm165.0000°

; P -6.0300,Plg4.0000°,Azm286.0000° $M_0$5.70000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=119, comp=249, per= 50. Moment Tensor Solution. s105,c201; s80,c111; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.05 $M_{\theta\theta}$5.43±.05; $M_{\phi\phi}$-4.41±.06; $M_{r\theta}$0.07±.15; $M_{\theta\phi}$-4.99±.05; $M_{\phi r}$-1.67±.15; Best double couple: NP1:ϕ_s68.00000°,δ76.00000°,λ-173.00000°. NP2:ϕ_s337.00000°,δ83.00000°,λ-14.00000°. Principal axes: T 7.5800,Plg5.0000°,Azm23.0000°; N -0.6900,Plg75.0000°,Azm131.0000° ; P -6.8900,Plg15.0000°,Azm292.0000° $M_0$7.20000×10^{17}

ISC	**VIII**	**25 03 00 37.5–1.5**	**10.26N–.08**	**125.2E–.10**	**42–14**	**3.8b**	**22**	**1-80**
MAN	VIII	25 03 00 33	10.22N	125.14E	1	5.0b,4.1s		¶12581364
ISCJB	VIII	25 03 00 35.0–1.1	10.22N–.07	125.26E–.08	37–10	3.8b,4.1s		
IDC	VIII	25 03 00 43.4–3.5	10.33N	125.36E	97–35	3.7,3.6		
ISCJB	Error ellipse: s-maj=13.7km s-min=11.4km az=165.5.							
IDC	Error ellipse: s-maj=36.3km s-min=17.1km az=68.0.							
ISC	**VIII**	**25 03 26 02.9–1.4**	**10.17N–.07**	**125.27E–.09**	**15–10**	**3.6b**	**17**	**0-146**
IDC	VIII	25 03 26 00.2–1.0	10.16N	125.25E	0	3.9,3.7b		¶12581367
MAN	VIII	25 03 26 01	10.16N	125.13E	1	4.8b,3.7s		
IDC	Error ellipse: s-maj=68.6km s-min=18.0km az=63.0.							
MAN	**VIII**	**25 05 44 55**	**10.15N**	**125.26E**	**18**	**4.5b,3.4L**		
								¶13728448
MAN	**VIII**	**25 06 15 13**	**10.17N**	**125.27E**	**17**	**4.7b,3.6L**		
								¶13728449
ISC	**VIII**	**25 06 31 46.7–.80**	**10.30N–.05**	**125.14E–.08**	**41–11**	**3.7b**	**18**	**1-54**
MAN	VIII	25 06 31 44	10.28N	125.11E	16	4.6b,3.5L		¶12581371
ISCJB	VIII	25 06 31 45.7–.70	10.30N–.05	125.13E–.08	54–9	3.7b,3.5L		
IDC	VIII	25 06 31 53.0–3.6	10.41N	125.23E	102–38	3.5,3.5		
ISCJB	Error ellipse: s-maj=14.2km s-min=7.1km az=153.0.							
IDC	Error ellipse: s-maj=68.3km s-min=19.6km az=74.0.							
MAN	**VIII**	**25 06 42 54**	**10.14N**	**125.21E**	**20**	**4.5b,3.4L**		
								¶13728450
MAN	**VIII**	**25 07 48 06**	**10.14N**	**125.21E**	**21**	**4.8b,3.7s**		
								¶13728453
ISC	**VIII**	**25 18 42 45.7–.81**	**10.19N–.05**	**125.28E–.06**	**33–8**	**3.7b**	**34**	**0-61**
IDC	VIII	25 18 42 39.7–1.3	10.44N	125.72E	0	3.9,3.8		¶11908797
NEIC	VIII	25 18 42 40.8–.91	10.50N	125.92E	10	3.9,3.8		
MAN	VIII	25 18 42 43	10.19N	125.24E	13	4.9b,3.9s		
ISCJB	VIII	25 18 42 44.6–.54	10.21N–.04	125.27E–.05	44–7	3.7b,3.9s		
ISC	Event type fe.							
NEIC	Event type fe. Felt [II PIVS] at Libagon, San Juan and Saint Bernard.							
MAN	Event type fe. INTENSITY II - LIBAGON SAN JUAN AND ST BERNARD (SOUTHERN LEYTE.							
ISCJB	Event type fe.							
ISC	**VIII**	**29 18 24 58.1–1.6**	**10.19N–.07**	**125.4E–.10**	**26–12**	**3.4b,3.4s**	**20**	**0-92**
IDC	VIII	29 18 24 53.6–1.1	10.26N	125.57E	0	3.7,3.6		¶12581550
MAN	VIII	29 18 24 57	10.19N	125.22E	1	4.9b,3.9s		
ISCJB	VIII	29 18 24 58.2–.87	10.17N–.07	125.4E–.10	45–9	3.4b,3.4s		
ISC	**IX**	**01 12 00 57.8–.86**	**10.64N–.03**	**124.92E–.04**	**0–6**	**3.8b,3.1s**	**36**	**1-80**
MAN	IX	01 12 00 57	10.72N	124.95E	4	4.9b,3.8s		¶11909219
ISCJB	IX	01 12 00 58.0–.81	10.70N–.03	124.96E–.05	16–6	3.7b,3.1s		
IDC	IX	01 12 00 58.5–.78	10.44N	124.54E	0	4.5L,3.9		
NEIC	IX	01 12 00 59.9–.58	10.34N	124.15E	10	4.5L,3.9		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=7.9km s-min=4.9km az=166.6.							
IDC	Error ellipse: s-maj=35.6km s-min=12.6km az=74.0.							
NEIC	Event type se. Error ellipse: s-maj=18.0km s-min=10.7km az=74.0.							
MAN	**IX**	**01 14 03 15**	**11.28N**	**124.62E**	**2**	**4.3b,3.1L**		
								¶13728497
MAN	**IX**	**02 19 14 27**	**10.21N**	**125.26E**	**6**	**4.5b,3.3L**		
								¶13728798
MAN	**IX**	**06 10 35 35**	**11.03N**	**124.67E**	**2**	**4.0b,2.8L**		
								¶13730216
MAN	**IX**	**07 11 53 34**	**11.72N**	**124.36E**	**26**	**4.5b,3.4L**		
								¶13730594
ISC	**IX**	**18 14 50 02.1–.65**	**11.35N–.04**	**124.57E–.05**	**10**	**3.5b**	**19**	**0-53**
MAN	IX	18 14 50 00	11.31N	124.53E	1	4.8b,3.8s		¶11910557
ISCJB	IX	18 14 50 02.1–.59	11.31N–.04	124.56E–.05	10	3.5b,3.8s		
IDC	IX	18 14 50 02.3–1.3	11.29N	125.38E	0	3.7,3.6		
ISCJB	Error ellipse: s-maj=6.9km s-min=5.4km az=1.9.							
IDC	Error ellipse: s-maj=62.3km s-min=20.2km az=65.0.							
ISC	**IX**	**27 17 30 36.2–.86**	**11.90N–.02**	**124.15E–.04**	**24–6**	**4.6b,3.7s**	**147**	**1-148**
IDC	IX	27 17 30 32.3–.56	11.90N	124.24E	0	4.4L,4.4		¶11911218
MAN	IX	27 17 30 35	11.95N	124.13E	44	5.0b,4.1s		
MOS	IX	27 17 30 35.3–.74	11.89N	124.24E	33	4.9b,4.1s		
ISCJB	IX	27 17 30 36.1–.44	11.91N–.03	124.14E–.04	38–4	4.6b,3.7s		
NEIC	IX	27 17 30 36.0–2.4	11.88N	124.26E	26–17	4.7b,3.7s		
BJI	IX	27 17 30 38.7	12.36N	123.98E	25	5.2b,4.8s		
DJA	IX	27 17 30 54	12.20N	124.99E	202	4.5b,4.8s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=26.0km s-min=12.2km az=74.0.							
MOS	Error ellipse: s-maj=15.2km s-min=6.7km az=119.6.							
ISCJB	Event type se. Error ellipse: s-maj=6.2km s-min=3.9km az=159.9.							
NEIC	Event type se. Error ellipse: s-maj=8.2km s-min=4.8km az=81.0.							
ISC	**IX**	**29 11 02 05.8–.84**	**10.91N–.05**	**125.64E–.10**	**75–8**	**3.6b**	**18**	**1-51**
IDC	IX	29 11 01 55.9–2.5	10.96N	125.89E	0	4.0,3.8b		¶11911333
ISCJB	IX	29 11 02 04.7–.82	10.90N–.05	125.66E–.10	86–7	3.6b,3.8b		
MAN	IX	29 11 02 07	10.88N	125.54E	45	4.4b,3.2L		
IDC	Error ellipse: s-maj=152.5km s-min=24.5km az=67.0.							
ISCJB	Error ellipse: s-maj=15.6km s-min=7.6km az=174.5.							
MAN	**X**	**02 19 56 01**	**11.20N**	**124.62E**	**9**	**4.9b,4.0s**		
								¶13739371
MAN	Event type fe. INTENSITY III - CAPOOCAN(LEYTE) & KANANGA (LEYTE.							
MAN	**X**	**10 16 02 09**	**11.25N**	**124.63E**	**9**	**4.7b,3.6L**		
								¶13742139
MAN	**X**	**14 12 21 04**	**10.07N**	**124.82E**	**33**	**4.0b,2.7L**		
								¶13743567
MAN	**X**	**29 16 59 29**	**10.53N**	**124.62E**	**34**	**4.0b,2.8L**		
								¶13748456
MAN	**X**	**31 12 28 26**	**10.12N**	**125.46E**	**4**	**4.4b,3.3L**		
								¶13749061
ISC	**XI**	**19 22 19 30.1–.52**	**10.34N–.06**	**125.48E–.08**	**120–4**	**3.6b**	**43**	**1-120**
ISCJB	XI	19 22 19 28.9–.53	10.33N–.06	125.52E–.08	126–4	3.6b		¶12074196
MAN	XI	19 22 19 28	10.12N	125.77E	45	4.4b,3.3L		
IDC	XI	19 22 19 32.2–6.2	10.33N	125.47E	140–57	3.5,3.5		
NEIC	XI	19 22 19 33.8–1.8	10.32N	125.49E	159–18	3.7b,3.5		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=14.1km s-min=8.6km az=161.7.							
IDC	Error ellipse: s-maj=39.2km s-min=12.0km az=65.0.							
NEIC	Event type se. Error ellipse: s-maj=11.7km s-min=6.5km az=68.0.							
MAN	**XI**	**26 22 06 12**	**11.21N**	**124.75E**	**24**	**4.0b,2.8L**		
								¶13757475
MAN	**XI**	**28 04 26 29**	**10.30N**	**125.25E**	**15**	**4.3b,3.2L**		
								¶13758047
MAN	Event type fe. INTENSITY III - ST BERNARD SOUTHERN LEYTE.							
MAN	**XI**	**29 17 53 30**	**11.84N**	**124.14E**	**22**	**5.1b,4.1s**		
								¶13758318
MAN	**XII**	**19 18 06 06**	**11.13N**	**124.71E**	**6**	**4.4b,3.3L**		
								¶13759203
MAN	**XII**	**31 16 55 03**	**11.19N**	**124.41E**	**16**	**4.1b,2.8L**		
								¶13762386

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MAN	**VII**	**06 01 39 32**	**9.95N**	**122.20E**	**33**	**4.2b,3.0L**		
								¶13728069
MAN	**VII**	**18 11 55 39**	**9.34N**	**122.51E**	**40**	**4.4b,3.3L**		
								¶13728164
MAN	**VII**	**18 18 44 08**	**9.93N**	**122.28E**	**31**	**4.0b,2.8L**		
								¶13728168
MAN	**VII**	**21 13 40 37**	**9.02N**	**122.57E**	**28**	**4.9b,3.9s**		
								¶13728201
MAN	**VII**	**21 14 11 03**	**9.02N**	**122.62E**	**29**	**4.4b,3.2L**		
								¶13728203
MAN	**VIII**	**04 14 43 24**	**9.11N**	**122.22E**	**32**	**3.8b,2.6L**		
								¶13728282
MAN	**VIII**	**13 17 37 23**	**9.46N**	**122.47E**	**25**	**4.4b,3.3L**		
								¶13728344
MAN	**VIII**	**17 16 27 56**	**9.48N**	**122.23E**	**40**	**4.6b,3.5s**		
								¶13728376
MAN	**VIII**	**19 15 04 03**	**9.34N**	**122.30E**	**33**	**4.1b,2.9L**		
								¶13728393
MAN	**VIII**	**20 04 05 13**	**9.46N**	**122.30E**	**66**	**3.9b,2.7L**		
								¶13728401
MAN	**VIII**	**22 19 11 33**	**9.72N**	**122.31E**	**20**	**4.3b,3.2L**		
								¶13728423
MAN	**IX**	**21 23 26 58**	**9.78N**	**122.63E**	**40**	**4.2b,3.0L**		
								¶13735616
MAN	**IX**	**22 23 09 46**	**9.07N**	**122.47E**	**32**	**4.4b,3.2L**		
								¶13735960
MAN	**X**	**01 02 16 12**	**9.23N**	**123.27E**	**26**	**4.2b,3.1L**		
								¶13739004
MAN	**X**	**30 20 19 52**	**9.43N**	**122.37E**	**33**	**4.0b,2.8L**		
								¶13748710
MAN	**XI**	**24 15 49 24**	**9.49N**	**123.62E**	**36**	**3.7b,2.4L**		
								¶13756868
MAN	**XII**	**05 20 59 43**	**9.89N**	**122.13E**	**32**	**4.5b,3.4L**		
								¶13758861
MAN	**XII**	**06 09 43 10**	**9.52N**	**122.74E**	**20**	**4.3b,3.1L**		
								¶13758862
ISC	**XII**	**10 22 35 48.6–1.3**	**9.45N–.04**	**122.27E–.04**	**23–10**	**3.8b**	**25**	**1-85**
IDC	XII	10 22 35 44.0–1.2	9.65N	122.88E	0	3.9,3.8b		¶12076803
MAN	XII	10 22 35 49	9.49N	122.25E	35	4.6b,3.5L		
IDC	Error ellipse: s-maj=188.6km s-min=18.6km az=67.0.							
MAN	**XII**	**11 01 09 09**	**9.62N**	**122.33E**	**31**	**4.3b,3.2L**		
								¶13758910
ISC	**XII**	**14 09 46 34.8–1.7**	**9.18N–.05**	**122.52E–.07**	**22–13**	**3.7b,3.1s**	**18**	**1-117**
IDC	XII	14 09 46 31.5–.95	9.28N	122.67E	0	4.0,3.7		¶12077430
ISCJB	XII	14 09 46 34.4–1.4	9.17N–.05	122.49E–.07	29–10	3.7b,3.1s		
MAN	XII	14 09 46 34	9.25N	122.45E	31	4.5b,3.4L		
IDC	Error ellipse: s-maj=53.8km s-min=20.5km az=65.0.							
ISCJB	Error ellipse: s-maj=11.2km s-min=7.6km az=19.8.							
MAN	**XII**	**19 16 45 23**	**9.04N**	**123.13E**	**25**	**4.2b,3.0L**		
								¶13759201
MAN	**XII**	**19 17 32 57**	**9.22N**	**122.42E**	**20**	**4.4b,3.3L**		
								¶13759202
MAN	**XII**	**19 21 57 56**	**9.27N**	**122.43E**	**32**	**4.0b,2.7L**		
								¶13759204
MAN	**XII**	**20 22 21 23**	**9.68N**	**122.96E**	**1**	**4.1b,3.0L**		
								¶13759510
MAN	**XII**	**25 10 25 59**	**9.58N**	**122.23E**	**13**	**4.1b,2.9L**		
								¶13762349
MAN	**XII**	**31 06 34 38**	**9.11N**	**122.81E**	**12**	**4.0b,2.8L**		
								¶13762384

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MAN	**VII**	**01 00 35 24**	**7.05N**	**126.08E**	**36**	**4.5b,3.3L**		
								¶13693708
MAN	**VII**	**01 16 35 23**	**6.28N**	**124.16E**	**26**	**4.7b,3.5s**		
								¶13693710
ISC	**VII**	**02 06 25 32.0–1.0**	**6.6N–.10**	**126.14E–.08**	**39–12**	**3.7b**	**18**	**0-59**
IDC	VII	02 06 25 26.4–1.6	6.62N	126.16E	0	3.9,3.8b		¶11799243
NEIC	VII	02 06 25 27.1–.69	6.80N	126.55E	10	3.9,3.8b		
ISCJB	VII	02 06 25 31.0–.75	6.6N–.10	126.20E–.09	51–8	3.7b,3.8b		
MAN	VII	02 06 25 31	6.68N	126.16E	30	4.6b,3.5L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=120.7km s-min=18.4km az=68.0.							
NEIC	Event type se. Error ellipse: s-maj=20.9km s-min=8.7km az=49.0.							
ISCJB	Event type se. Error ellipse: s-maj=20.6km s-min=10.3km az=39.0.							
MAN	**VII**	**02 15 20 00**	**7.46N**	**126.06E**	**60**	**4.6b,3.4L**		
								¶13693712
IDC	**VII**	**02 20 12 54.1–1.0**	**5.31N**	**123.45E**	**135–8**	**3.1,3.0b**		
NEIC	VII	02 20 12 54.0–.70	5.25N	123.32E	131	3.9b,3.0b		¶11799295
IDC	Error ellipse: s-maj=107.3km s-min=14.9km az=67.0.							
NEIC	Event type se. Error ellipse: s-maj=136.0km s-min=11.8km az=66.0.							
IDC	**VII**	**03 06 21 48.4–35**	**5.81N**	**125.55E**	**0**	**3.8L,3.8**		
								¶12697961
IDC	Error ellipse: s-maj=587.2km s-min=68.4km az=157.0.							
ISC	**VII**	**04 04 32 51.1–.67**	**5.68N–.09**	**125.8E–.10**	**112–11**	**4.2b**	**23**	**1-65**
IDC	VII	04 04 32 37.2–1.7	5.88N	125.86E	0	4.3,4.1		¶12697998
ISCJB	VII	04 04 32 49.6–.88	5.5N–.10	125.9E–.10	99–20	4.2b,4.1		
MAN	VII	04 04 32 52	5.92N	125.87E	100	4.6b,3.5L		
IDC	Error ellipse: s-maj=78.6km s-min=23.6km az=68.0.							
ISCJB	Error ellipse: s-maj=26.2km s-min=18.2km az=139.3.							
MAN	**VII**	**04 09 59 24**	**7.05N**	**126.27E**	**57**	**4.7b,3.6s**		
								¶13725738
MAN	**VII**	**04 14 29 21**	**7.52N**	**122.14E**	**21**	**4.4b,3.3L**		
								¶13725739
IDC	**VII**	**05 20 25 59.8–1.5**	**9.83N**	**125.99E**	**0**	**3.8,3.7b**		
								¶12698030
IDC	Error ellipse: s-maj=172.7km s-min=21.4km az=69.0.							
MAN	**VII**	**06 07 49 43**	**7.13N**	**123.65E**	**7**	**4.7b,3.6L**		
								¶13728071
ISC	**VII**	**08 01 18 02.0–3.8**	**8.84N–.09**	**126.8E–.10**	**26–27**	**4.0b**	**14**	**1-87**
IDC	VII	08 01 17 58.8–1.3	9.20N	127.03E	0	4.2,4.0b		¶12698078
ISCJB	VII	08 01 18 02.0–2.3	8.89N–.09	126.8E–.10	36–20	4.0b,4.0b		
MAN	VII	08 01 18 02	9.70N	126.32E	104	4.8b,3.7s		
IDC	Error ellipse: s-maj=63.3km s-min=24.8km az=67.0.							
ISCJB	Error ellipse: s-maj=22.0km s-min=15.1km az=165.0.							
MAN	**VII**	**08 21 26 22**	**6.94N**	**125.41E**	**17**	**4.8b,3.8s**		
								¶13728097
ISC	**VII**	**09 02 10 38.2–.70**	**5.18N–.03**	**126.30E–.10**	**79–6**	**4.0b**	**42**	**2-97**
IDC	VII	09 02 10 29.6–.87	5.10N	125.47E	0	4.2,4.1		¶11479911
MAN	VII	09 02 10 29	4.82N	126.52E	77	5.2b,4.3s		
ISCJB	VII	09 02 10 36.2–.71	5.23N–.04	126.26E–.09	76–6	4.0b,4.3s		
NEIC	VII	09 02 10 37.1–1.6	5.14N	125.82E	59–18	4.3b,4.3s		
DJA	VII	09 02 10 53	4.35N	125.35E	20	4.6b,4.3s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=66.1km s-min=15.1km az=73.0.							
ISCJB	Event type se. Error ellipse: s-maj=14.7km s-min=6.2km az=175.2.							
NEIC	Event type se. Error ellipse: s-maj=59.0km s-min=9.7km az=74.0.							
ISC	**VII**	**10 02 04 28.4–.45**	**6.14N–.02**	**126.77E–.05**	**82–3**	**4.7b**	**185**	**1-130**
MOS	VII	10 02 04 21.3–1.4	6.12N	126.61E	33	5.1b		¶13388628
ISCJB	VII	10 02 04 26.6–.47	6.14N–.02	126.81E–.05	81–3	4.7b		
BJI	VII	10 02 04 28.9	5.84N	126.59E	112	4.9b,4.8b		
IDC	VII	10 02 04 28.0–1.6	6.12N	126.80E	84–13	4.3,4.3		
DJA	VII	10 02 04 28	6.11N	126.92E	53	5.2W,4.3		
NEIC	VII	10 02 04 29.9–1.4	6.09N	126.68E	98–12	4.7b,4.3		
MAN	VII	10 02 04 30	6.30N	126.55E	24	5.5b,4.8s		
ISC	Event type se.							
MOS	Error ellipse: s-maj=17.8km s-min=7.0km az=116.8.							
ISCJB	Event type se. Error ellipse: s-maj=7.7km s-min=3.3km az=164.7.							
IDC	Error ellipse: s-maj=24.3km s-min=9.7km az=72.0.							
NEIC	Event type se. Error ellipse: s-maj=17.7km s-min=8.0km az=78.0.							
ISC	**VII**	**10 09 58 49.0–.42**	**6.64N–.04**	**125.87E–.08**	**159–4**	**4.2b**	**53**	**0-121**
ISCJB	VII	10 09 58 47.9–.42	6.64N–.04	125.84E–.08	166–3	4.2b		¶11811165
NEIC	VII	10 09 58 48.8–.88	6.76N	125.89E	162–7	4.4b		
IDC	VII	10 09 58 49.1–.42	6.61N	125.58E	158–3	4.0,3.9b		
DJA	VII	10 09 58 50	6.59N	126.15E	125	4.8b,3.9b		
MAN	VII	10 09 58 50	6.68N	125.87E	137	4.9b,3.9s		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=14.3km s-min=6.1km az=161.5.							
NEIC	Event type se. Error ellipse: s-maj=49.9km s-min=7.9km az=69.0.							
IDC	Error ellipse: s-maj=32.7km s-min=9.9km az=78.0.							
ISC	**VII**	**10 13 41 48.4–1.2**	**9.71N–.05**	**126.25E–.10**	**56–12**	**3.7b**	**23**	**1-86**
IDC	VII	10 13 41 40.8–1.5	9.76N	125.99E	0	3.9,3.8b		¶12698118

ISCJB VII 10 13 41 47.0–1.1 9.71N–.04 126.28E–.09 61–11 3.7b,3.8b
MAN VII 10 13 41 47 9.75N 126.12E 12 4.7b,3.6L
IDC Error ellipse: s-maj=130.2km s-min=20.8km az=73.0.
ISCJB Error ellipse: s-maj=15.2km s-min=7.5km az=0.6.
ISC VII 10 17 32 28.2–.56 6.47N–.02 124.67E–.02 29–4 5.3b,4.5s 473 0-164
MAN VII 10 17 32 21 6.31N 124.51E 1 5.7b,5.2s ¶13388687
ISCJB VII 10 17 32 25.7–.51 6.44N–.02 124.65E–.02 24–3 5.3b,4.5s
IDC VII 10 17 32 25.4–2.4 6.51N 124.53E 11–14 4.9,4.9b
GCMT VII 10 17 32 26.5–.20 6.48N 124.66E 12 5.1W,4.9b
MOS VII 10 17 32 27.1–1.1 6.55N 124.59E 33 5.6b,4.6s
BJI VII 10 17 32 28.2 6.48N 124.64E 41 5.3b,5.2b
TEH VII 10 17 32 28.0 6.50N 124.61E 28 5.3b,5.2b
NEIC VII 10 17 32 29.2–.72 6.50N 124.63E 40–6 5.2b,4.7s
DJA VII 10 17 32 36 5.96N 124.52E 47 5.6W,4.7s
ISC Event type fe.
MAN Event type fe. INTENSITY IV - BANGA SOUTH COTABATO; INTENSITY III - PALIMBANG SULTAN KUDARAT; INTENSITY II - COTABATO GENERAL SANTOS CITY.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.6km az=0.2.
IDC Error ellipse: s-maj=13.1km s-min=10.2km az=82.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s54,c73; s86,c148; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.54±.12 $M_{\theta\theta}$3.88±.09; $M_{\phi\phi}$-1.33±.13; $M_{r\theta}$0.81±.27; $M_{\theta\phi}$-4.16±.08; $M_{\phi r}$-1.72±.32; Best double couple: NP1:ϕ_s77.00000°,δ59.00000°,λ-161.00000°. NP2:ϕ_s337.00000°,δ74.00000°,λ-33.00000°. Principal axes: T 6.4500,Plg10.0000° ,Azm30.0000°; N -2.0500,Plg54.0000°,Azm134.0000°; P -4.3900,Plg34.0000° ,Azm293.0000° $M_0$5.40000×10^{16}
MOS Error ellipse: s-maj=10.5km s-min=5.3km az=114.2.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=4.1km az=70.0. Felt [IV PIVS] at Banga and Isulan; [III PIVS] at Palimbang; [II PIVS] at Cotabato and General Santos.
MAN VII 10 18 26 15 6.41N 124.60E 10 4.9b,3.8s
¶13728104
ISC VII 10 20 42 56.0–1.0 6.50N–.05 124.53E–.05 5–7 4.0b,3.0s 34 1-88
IDC VII 10 20 42 55.0–.67 6.42N 124.42E 0 4.0,4.0 ¶11479940
ISCJB VII 10 20 42 55.2–1.5 6.43N–.05 124.51E–.04 12–10 4.0b,3.0s
MAN VII 10 20 42 56 6.27N 124.51E 28 4.7b,3.6s
NEIC VII 10 20 42 57.1–.48 6.51N 124.60E 15 3.9b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=13.7km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=7.5km az=174.9.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.9km az=73.0.
MAN VII 10 21 19 07 7.19N 124.36E 30 4.8b,3.8s
¶13728105
ISC VII 10 23 05 22.3–2.6 7.8N–.10 126.75E–.09 6–16 3.6b 9 1-64
ISCJB VII 10 23 05 19.8–2.3 7.8N–.10 126.84E–.08 3–14 3.6b ¶12698124
IDC VII 10 23 05 21.9–1.3 7.67N 126.76E 0 3.7,3.6
ISCJB Error ellipse: s-maj=17.9km s-min=13.4km az=169.8.
IDC Error ellipse: s-maj=24.5km s-min=16.9km az=139.0.
ISC VII 10 23 50 33.4–1.1 6.44N–.05 124.62E–.05 1–6 4.5b,3.5s 61 0-95
ISCJB VII 10 23 50 32.4–1.4 6.41N–.04 124.61E–.05 6–9 4.4b,3.5s ¶11479944
IDC VII 10 23 50 32.9–.73 6.41N 124.45E 0 4.1,4.1
MAN VII 10 23 50 32 6.38N 124.44E 14 5.1b,4.2s
BJI VII 10 23 50 36.1 6.31N 125.03E 51 4.8b,4.6b
NEIC VII 10 23 50 38.0–1.3 6.48N 124.67E 37–13 4.5b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.9km az=170.2.
IDC Error ellipse: s-maj=16.3km s-min=13.3km az=143.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.5km az=69.0.
MAN VII 11 03 30 35 6.49N 124.45E 1 4.6b,3.5L
¶13728111
ISC VII 11 03 45 10.0–1.4 6.42N–.05 124.38E–.06 6–9 4.0b,3.3s 27 1-89
ISCJB VII 11 03 45 09.0–1.7 6.40N–.04 124.41E–.06 13–11 4.0b,3.3s ¶11811238
IDC VII 11 03 45 08.7–.74 6.44N 124.52E 0 4.1,4.0
NEIC VII 11 03 45 15.6–2.2 6.55N 124.82E 54–23 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.3km az=178.1.
IDC Error ellipse: s-maj=15.7km s-min=13.1km az=132.0.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=7.6km az=73.0.
NEIC VII 11 03 48 03.5–2.1 5.80N 126.27E 35 4.0b
IDC VII 11 03 47 57.6–2.5 6.07N 126.73E 0 3.8,3.7b ¶11811239
NEIC Event type se. Error ellipse: s-maj=215.0km s-min=10.8km az=65.0.
IDC Error ellipse: s-maj=250.7km s-min=22.4km az=67.0.
MAN VII 11 17 05 22 6.05N 124.68E 96 5.1b,4.2s
¶13728112
ISC VII 11 18 05 43.8–1.2 6.45N–.04 124.60E–.04 2–7 4.0b 40 1-88
ISCJB VII 11 18 05 43.5–1.8 6.39N–.04 124.53E–.04 12–12 4.0b ¶11811279
IDC VII 11 18 05 43.1–.68 6.41N 124.63E 0 4.0,3.9b
MAN VII 11 18 05 44 6.32N 124.57E 38 5.1b,4.2s
NEIC VII 11 18 05 49.5–3.6 6.45N 124.80E 48–39 4.2b,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=6.5km az=148.4.
IDC Error ellipse: s-maj=21.6km s-min=14.5km az=77.0.
NEIC Event type se. Error ellipse: s-maj=49.8km s-min=7.5km az=72.0.
MAN VII 11 20 17 50 6.59N 124.64E 62 4.5b,3.3L
¶13728114
MAN VII 12 00 32 59 8.39N 125.83E 15 4.5b,3.4L
¶13728122
MAN VII 12 14 18 36 6.47N 125.65E 32 4.6b,3.5L
¶13728123
MAN VII 13 06 02 52 8.69N 125.66E 3 4.3b,3.1L
¶13728129
MAN VII 13 19 25 14 7.36N 124.55E 35 5.0b,4.0s
¶13728132
MAN VII 14 02 59 28 6.31N 122.45E 29 4.2b,3.0L
¶13728137
ISC VII 14 03 33 31.5–.29 7.16N–.02 125.92E–.03 67–2 4.7b 184 0-164
MOS VII 14 03 33 25.7–1.1 7.22N 126.02E 33 5.2b ¶13389143
IDC VII 14 03 33 29.1–.44 7.27N 126.11E 46–3 4.5,4.4
MAN VII 14 03 33 29 7.13N 125.96E 58 5.2b,4.1s
NEIC VII 14 03 33 30.6–.94 7.22N 126.00E 61–8 4.9b,4.1s
ISCJB VII 14 03 33 30.1–.30 7.16N–.02 125.94E–.03 70–2 4.7b,4.1s
DJA VII 14 03 33 33 7.11N 126.05E 39 5.3b,4.1s
ISC Event type fe.
MOS Error ellipse: s-maj=18.3km s-min=8.3km az=109.1.
IDC Error ellipse: s-maj=10.4km s-min=7.8km az=128.0.
MAN Event type fe. INTENSITY III - COMPOSTELA VALLEY; INTENSITY II - DAVAO CITY; TAGUM CITY.
NEIC Event type fe. Error ellipse: s-maj=12.5km s-min=6.1km az=70.0. Felt [III PIVS] at Compostela and [II PIVS] at Davao and Tagum.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.3km az=158.0.
ISC VII 14 10 06 52.2–.21 6.76N–.03 123.96E–.04 576–2 4.5b 158 1-165
MAN VII 14 10 06 48 6.53N 124.06E 596 4.5b,3.4L ¶11479987
BJI VII 14 10 06 51.8 6.58N 123.87E 589 4.7b,4.6b
ISCJB VII 14 10 06 51.3–.22 6.77N–.03 123.98E–.04 583–3 4.5b,4.6b
NEIC VII 14 10 06 52.0–.37 6.72N 123.94E 576–5 4.3b,4.6b
IDC VII 14 10 06 52.5–.44 6.72N 123.91E 583–5 3.8b,3.8
DJA VII 14 10 06 53 6.82N 123.89E 582 4.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.3km az=169.4.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.2km az=66.0.
IDC Error ellipse: s-maj=12.3km s-min=6.7km az=71.0.
MAN VII 15 12 52 41 6.91N 122.06E 26 4.0b,2.8L
¶13728145
MAN VII 15 15 28 37 7.65N 124.69E 32 4.8b,3.8s
¶13728146
ISC VII 15 18 54 38.9–.00 9.98N–.06 126.0E–.10 90–12 3.6b 13 2-52
IDC VII 15 18 54 29.2–2.6 9.67N 125.21E 0 3.9,3.7b ¶12698236
ISCJB VII 15 18 54 37.8–1.0 9.98N–.06 126.0E–.10 98–12 3.6b,3.7b
MAN VII 15 18 54 39 9.98N 125.90E 33 4.7b,3.6s
IDC Error ellipse: s-maj=220.8km s-min=27.0km az=64.0.
ISCJB Error ellipse: s-maj=19.3km s-min=10.4km az=172.6.
MAN VII 16 07 30 57 7.83N 123.32E 12 4.2b,3.1L
¶13728151
MAN VII 16 14 52 03 6.77N 125.63E 30 4.6b,3.5s
¶13728153
ISC VII 16 20 53 26.6–1.0 9.94N–.05 126.15E–.09 71–11 3.6b 21 1-86
IDC VII 16 20 53 17.3–1.6 10.08N 126.19E 0 4.0,3.8b ¶12698260
ISCJB VII 16 20 53 25.5–1.0 9.94N–.05 126.16E–.09 78–11 3.6b,3.8b
MAN VII 16 20 53 25 9.96N 126.16E 54 4.6b,3.5s
IDC Error ellipse: s-maj=176.0km s-min=22.4km az=69.0.
ISCJB Error ellipse: s-maj=14.3km s-min=8.7km az=178.1.
ISC VII 18 18 54 12.0–.41 6.12N–.03 126.15E–.06 131–3 4.0b 76 1-129
MAN VII 18 18 54 09 6.07N 126.28E 128 5.1b,4.3s ¶11480045
ISCJB VII 18 18 54 10.9–.42 6.12N–.03 126.14E–.06 138–3 4.0b,4.3s
BJI VII 18 18 54 10.2 6.10N 126.10E 133 4.9b,4.4b
IDC VII 18 18 54 12.1–1.1 6.07N 125.97E 128–9 3.9s,3.9
NEIC VII 18 18 54 12.3–.74 6.13N 126.07E 134–7 4.1b,3.9
DJA VII 18 18 54 17 5.68N 126.41E 128 4.8,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.6km az=166.2.
IDC Error ellipse: s-maj=26.1km s-min=10.8km az=73.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.2km az=70.0.
MAN VII 19 17 45 20 6.86N 125.75E 36 4.2b,3.0L
¶13728178
ISC VII 20 01 52 12.3–.36 5.62N–.04 125.64E–.08 175–4 4.1b 45 1-88
ISCJB VII 20 01 52 11.2–.36 5.62N–.05 125.62E–.08 182–4 4.1b ¶11812125
IDC VII 20 01 52 12.7–.74 5.63N 125.49E 178–6 3.7b,3.7
NEIC VII 20 01 52 12.8–.89 5.66N 125.59E 183–9 4.3b,3.7
MAN VII 20 01 52 14 5.73N 125.67E 162 5.2b,4.3s
DJA VII 20 01 52 15 5.54N 125.93E 130 4.7,4.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.1km az=160.6.
IDC Error ellipse: s-maj=26.0km s-min=9.5km az=83.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=7.8km az=77.0.
MAN VII 20 04 49 38 7.82N 123.83E 55 4.1b,2.9L
¶13728186
ISC VII 20 14 23 47.3–3.9 9.6N–.20 126.2E–.30 80–35 3.6b 8 2-86
IDC VII 20 14 23 36.9–1.9 9.84N 126.50E 0 3.8,3.7b ¶12698351
ISCJB VII 20 14 23 46.2–4.1 9.6N–.20 126.2E–.30 85–37 3.6b,3.7b
MAN VII 21 06 09 18 9.77N 125.42E 32 4.8b,3.7s
¶13728199
MAN Event type fe. INTENSITY III - SURIGAO CITY.
ISC VII 21 11 48 00.2–.82 6.63N–.07 126.38E–.07 51–8 3.9b 22 0-65
ISCJB VII 21 11 47 59.1–.80 6.66N–.07 126.39E–.07 61–7 3.9b ¶12698365
IDC VII 21 11 48 01.1–3.5 6.74N 126.41E 64–27 3.7,3.6b
MAN VII 21 11 48 03 6.93N 126.01E 7 5.1b,4.2s
ISCJB Error ellipse: s-maj=12.6km s-min=11.6km az=41.8.
IDC Error ellipse: s-maj=64.8km s-min=14.4km az=67.0.
MAN VII 21 14 09 12 8.81N 126.38E 65 5.1b,4.2s
¶13728202
MAN VII 21 15 31 22 6.02N 126.12E 135 4.8b,3.7s
¶13728205
ISC VII 22 12 49 47.1–.82 7.75N–.03 126.95E–.07 80–8 4.3b 79 1-152
ISCJB VII 22 12 49 44.9–.89 7.76N–.03 127.03E–.07 76–8 4.3b ¶11480081
BJI VII 22 12 49 45.3 7.70N 126.80E 81 5.1b,4.9b
MAN VII 22 12 49 46 7.68N 126.64E 1 5.0b,4.0s
NEIC VII 22 12 49 47.4–1.2 7.72N 126.75E 82–11 4.6b,4.0s
IDC VII 22 12 49 48.5–1.7 7.78N 126.80E 90–15 4.0,4.0
DJA VII 22 12 49 48 7.47N 127.00E 10 4.9b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=4.8km az=166.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.2km az=73.0.
IDC Error ellipse: s-maj=20.7km s-min=11.1km az=80.0.
ISC VII 22 13 47 18.1–.69 6.78N–.05 126.27E–.04 30–4 4.0b 37 0-65
IDC VII 22 13 47 13.2–.89 6.90N 126.41E 0 4.1,4.0 ¶11812360
ISCJB VII 22 13 47 16.9–.70 6.81N–.05 126.32E–.05 39–6 4.0b,4.0
MAN VII 22 13 47 17 6.98N 126.33E 44 4.6b,3.5s
NEIC VII 22 13 47 20.5–1.5 6.76N 126.07E 52–12 4.0b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=13.8km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.8km az=38.1.
NEIC Event type se. Error ellipse: s-maj=37.1km s-min=6.2km az=70.0.
ISC VII 22 20 40 06.2–1.0 7.70N–.05 126.77E–.10 88–8 4.2b 54 1-88
IDC VII 22 20 39 54.8–.93 7.82N 126.96E 0 4.1,4.0 ¶11812393
MAN VII 22 20 40 01 7.74N 126.85E 1 5.2b,4.4s
ISCJB VII 22 20 40 04.6–1.1 7.73N–.05 126.82E–.10 90–9 4.2b,4.4s
NEIC VII 22 20 40 04.6–2.6 7.85N 126.87E 72–24 4.7b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=18.1km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=7.5km az=170.9.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=11.3km az=71.0.
MAN VII 24 06 17 58 5.70N 125.21E 9 4.7b,3.6s
¶13728217
ISC VII 24 10 57 02.4–.39 5.78N–.03 126.10E–.06 115–4 4.2b 63 1-97
ISCJB VII 24 10 57 01.3–.40 5.78N–.03 126.11E–.06 119–5 4.2b ¶11812522
MAN VII 24 10 57 01 5.74N 125.90E 111 5.0b,4.0s
NEIC VII 24 10 57 02.5–.99 5.76N 125.62E 122–10 3.9b,4.0s
IDC VII 24 10 57 03.1–.85 5.76N 125.62E 126–8 3.8,3.7b
DJA VII 24 10 57 03 5.70N 126.22E 62 4.6b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.5km az=173.4.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=8.8km az=78.0.
IDC Error ellipse: s-maj=37.5km s-min=11.9km az=81.0.
MAN VII 25 02 22 04 8.94N 126.09E 32 4.4b,3.3L
¶13728225
MAN VII 25 20 57 14 5.85N 124.52E 32 4.0b,2.8L
¶13728227
MAN VII 26 20 33 30 7.70N 124.86E 25 4.0b,2.7L
¶13728232
MAN VII 27 11 56 56 5.81N 124.45E 33 4.0b,2.8L
¶13728237
MAN VII 29 06 20 40 8.56N 126.77E 51 4.5b,3.3L
¶13728250
ISC VII 29 22 58 33.6–.36 5.66N–.03 126.53E–.05 153–3 4.6b 136 1-167
BJI VII 29 22 58 23.4 4.83N 127.25E 153 4.8b,4.6b ¶11480177
MAN VII 29 22 58 31 5.71N 126.64E 156 5.2b,4.3s
ISCJB VII 29 22 58 32.5–.37 5.67N–.03 126.54E–.05 159–3 4.6b,4.3s
MOS VII 29 22 58 32.3–1.1 5.66N 126.44E 153 4.5b,4.3s
NEIC VII 29 22 58 33.8–.53 5.67N 126.49E 154–5 4.7b,4.3s
DJA VII 29 22 58 34 5.53N 126.82E 128 4.9b,4.3s
IDC VII 29 22 58 34.2–.81 5.63N 126.49E 154–6 4.2,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.0km az=165.3.
MOS Error ellipse: s-maj=15.3km s-min=7.3km az=121.1.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.1km az=63.0.
IDC Error ellipse: s-maj=21.5km s-min=8.1km az=73.0.
MAN VII 30 12 47 20 6.34N 124.64E 37 4.4b,3.3L
¶13728252
MAN VII 31 05 55 26 9.25N 125.46E 2 4.3b,3.2L
¶13728259
MAN VIII 02 02 41 34 6.98N 126.06E 67 4.5b,3.4L
¶13728269
MAN VIII 02 09 34 54 8.05N 122.05E 31 4.5b,3.3L
¶13728270
MAN VIII 03 14 59 44 7.21N 124.16E 29 4.1b,2.9L
¶13728278
ISC VIII 03 21 16 42.2–.36 6.61N–.04 125.83E–.07 152–4 4.2b 58 1-83
ISCJB VIII 03 21 16 41.0–.36 6.61N–.04 125.84E–.07 157–4 4.2b ¶11907745
DJA VIII 03 21 16 41 6.68N 126.32E 133 4.9b
NEIC VIII 03 21 16 42.1–.61 6.60N 125.70E 154–6 4.1b
IDC VIII 03 21 16 42.1–.71 6.60N 125.70E 151–7 3.8,3.6b
MAN VIII 03 21 16 43 6.88N 125.92E 132 4.8b,3.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=7.0km az=177.1.

NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.5km az=77.0.
IDC Error ellipse: s-maj=41.8km s-min=11.9km az=81.0.
ISC VIII 04 01 45 13.5–1.4 7.1N–.10 126.5E–.20 177–10 3.7b 16 1-82
ISCJB VIII 04 01 45 12.7–1.2 7.1N–.10 126.4E–.20 188–9 3.7b ¶11907753
NEIC VIII 04 01 45 12.7–1.7 7.17N 126.66E 171–14 3.7b
IDC VIII 04 01 45 12.7–1.9 7.17N 126.68E 170–15 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.2km s-min=16.7km az=175.2.
NEIC Event type se. Error ellipse: s-maj=47.3km s-min=12.6km az=74.0.
IDC Error ellipse: s-maj=48.4km s-min=14.9km az=73.0.
MAN VIII 04 11 09 36 8.85N 126.19E 33 4.3b,3.1L
¶13728281
ISC VIII 05 07 23 22.5–.84 9.71N–.07 126.8E–.10 10 3.6b 16 1-85
ISCJB VIII 05 07 23 20.5–.86 9.72N–.07 126.9E–.10 10 3.6b ¶12580930
IDC VIII 05 07 23 20.7–1.1 9.55N 126.55E 0 4.0L,3.7
MAN VIII 05 07 23 31 9.43N 126.20E 15 4.4b,3.3L
ISCJB Error ellipse: s-maj=15.9km s-min=8.0km az=25.2.
IDC Error ellipse: s-maj=49.3km s-min=20.6km az=82.0.
ISC VIII 05 13 09 50.4–1.0 5.11N–.08 126.7E–.10 75–8 4.1b 40 2-89
IDC VIII 05 13 09 41.0–.89 5.27N 126.88E 0 4.1,4.0b ¶11907792
ISCJB VIII 05 13 09 49.7–1.0 5.14N–.08 126.7E–.10 85–8 4.1b,4.0b
NEIC VIII 05 13 09 50.8–1.4 5.21N 126.86E 81–12 4.3b,4.0b
MAN VIII 05 13 09 57 5.79N 126.45E 11 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=15.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=10.8km az=161.2.
NEIC Event type se. Error ellipse: s-maj=31.6km s-min=8.0km az=67.0.
MAN VIII 06 08 58 18 8.53N 125.46E 22 4.2b,3.0L
¶13728295
ISC VIII 06 14 05 33.1–.53 6.35N–.04 126.43E–.09 130–5 3.8b 37 1-83
IDC VIII 06 14 05 31.3–3.0 6.35N 126.78E 110–28 3.5,3.3b ¶11907828
NEIC VIII 06 14 05 33.0–1.6 6.29N 126.39E 133–16 4.7b,3.3b
MAN VIII 06 14 05 32 6.55N 126.37E 141 4.7b,3.6L
DJA VIII 06 14 05 36 6.15N 126.61E 119 4.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=59.5km s-min=17.2km az=75.0.
NEIC Event type se. Error ellipse: s-maj=59.7km s-min=11.5km az=74.0.
MAN VIII 06 19 02 05 7.49N 125.96E 32 4.3b,3.2L
¶13728297
MAN VIII 07 16 47 35 7.64N 124.90E 25 4.2b,3.0L
¶13728304
ISC VIII 07 22 10 28.3–1.0 6.51N–.05 126.79E–.09 46–9 4.0b 44 1-89
IDC VIII 07 22 10 22.1–1.1 6.44N 126.80E 0 4.0,3.9 ¶11907938
MAN VIII 07 22 10 23 6.29N 126.95E 29 4.9b,3.8s
ISCJB VIII 07 22 10 26.9–1.0 6.47N–.05 126.81E–.09 52–9 4.0b,3.8s
NEIC VIII 07 22 10 27.1–.34 6.42N 126.73E 35 4.3b,3.8s
DJA VIII 07 22 10 45 5.26N 126.37E 10 4.6,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=16.0km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=6.4km az=162.4.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=5.4km az=67.0.
MAN VIII 08 13 12 13 7.53N 122.27E 16 4.2b,3.0L
¶13728308
ISC VIII 09 14 36 36.6–.93 7.05N–.06 126.93E–.08 88–8 4.2b 46 1-55
IDC VIII 09 14 36 27.9–3.3 6.34N 125.47E 0 3.7,3.7 ¶11907998
ISCJB VIII 09 14 36 35.6–.94 7.04N–.06 126.91E–.08 97–8 4.2b,3.7
NEIC VIII 09 14 36 37.6–1.7 6.97N 126.73E 100–14 4.4b,3.7
DJA VIII 09 14 36 37 7.05N 126.97E 66 4.7b,3.7
MAN VIII 09 14 36 40 6.83N 126.49E 50 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=357.8km s-min=26.5km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=7.8km az=151.5.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=11.7km az=63.0.
ISC VIII 09 18 48 01.3–.47 8.56N–.02 126.94E–.04 62–4 4.9b 319 1-150
IDC VIII 09 18 47 52.9–.53 8.51N 126.81E 0 4.7,4.7 ¶11160947
MAN VIII 09 18 47 54 8.68N 127.17E 1 5.6b,4.9s
MOS VIII 09 18 47 56.1–1.0 8.44N 126.74E 33 5.2b,4.9s
ISCJB VIII 09 18 47 59.2–.51 8.55N–.02 126.97E–.04 59–4 4.9b,4.6s
BJI VIII 09 18 47 59.1 8.53N 126.79E 58 5.2b,4.9s
DJA VIII 09 18 47 59 8.68N 127.00E 30 5.0b,4.9s
NEIC VIII 09 18 47 59.6–.98 8.42N 126.77E 48–9 4.9b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=12.1km az=77.0.
MOS Error ellipse: s-maj=13.5km s-min=5.2km az=119.6.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.9km az=168.4.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.1km az=72.0.
MAN VIII 10 16 10 11 8.48N 124.16E 23 4.0b,2.8L
¶13728320
MAN VIII 11 06 32 28 8.85N 126.29E 33 4.4b,3.3L
¶13728325
MAN VIII 12 23 06 24 5.88N 125.06E 22 4.5b,3.5s
¶13728334
MAN Event type fe. INTENSITY II - GENERAL SANTOS CITY.
MAN VIII 13 14 51 47 8.05N 126.38E 34 4.1b,2.9L
¶13728343
IDC VIII 13 18 22 58.3–2.3 5.62N 126.36E 0 3.5,3.4b
¶12581062
IDC Error ellipse: s-maj=177.4km s-min=27.1km az=65.0.
MAN VIII 14 05 38 59 8.87N 122.95E 31 3.8b,2.6L
¶13728346
ISC VIII 14 16 09 10.1–1.4 7.33N–.09 124.0E–.20 588–20 3.8b 22 8-82
ISCJB VIII 14 16 09 09.6–1.2 7.28N–.08 123.9E–.10 604–20 3.8b ¶11908210
NEIC VIII 14 16 09 09.8–1.1 7.37N 123.97E 584–16 3.9b
IDC VIII 14 16 09 13.0–1.9 7.10N 123.69E 619–20 3.3,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=10.7km az=160.6.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=8.1km az=68.0.
IDC Error ellipse: s-maj=54.9km s-min=10.4km az=60.0.
ISC VIII 14 20 02 45.7–.99 9.38N–.04 126.47E–.08 67–9 3.8b 39 1-87
MAN VIII 14 20 02 43 9.40N 126.42E 15 5.1b,4.2s ¶11908220
ISCJB VIII 14 20 02 44.2–.99 9.39N–.04 126.50E–.08 71–9 3.8b,4.2s
IDC VIII 14 20 02 49.7–3.5 9.36N 126.40E 103–31 3.7,3.6
NEIC VIII 14 20 02 50.8–2.3 9.30N 126.23E 115–20 4.2b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=6.5km az=167.2.
IDC Error ellipse: s-maj=54.0km s-min=13.7km az=75.0.
NEIC Event type se. Error ellipse: s-maj=46.8km s-min=10.0km az=69.0.
MAN VIII 15 11 13 36 5.82N 126.71E 32 4.8b,3.8s
¶13728357
IDC VIII 15 15 03 09.3–4.0 6.76N 126.54E 89–31 3.5,3.3b
¶12581103
IDC Error ellipse: s-maj=104.8km s-min=22.7km az=66.0.
MAN VIII 15 20 11 02 8.13N 126.55E 31 4.6b,3.5s
¶13728362
ISC VIII 17 01 47 59.3–1.2 6.51N–.07 126.6E–.10 65–10 3.9b 26 1-89
IDC VIII 17 01 47 50.0–.86 6.83N 127.10E 0 4.1,4.0b ¶11908328
NEIC VIII 17 01 47 56.0–5.0 6.72N 126.96E 39–41 4.3b,4.0b
ISCJB VIII 17 01 47 58.7–1.2 6.49N–.07 126.6E–.10 77–9 3.9b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
MAN VIII 17 23 53 16 8.99N 122.95E 26 4.2b,3.1L
¶13728378
MAN VIII 18 04 54 18 6.98N 125.96E 53 4.3b,3.1L
¶13728383
ISC VIII 18 09 38 32.6–1.3 5.77N–.07 126.7E–.10 50–11 4.0b,3.3s 30 1-122
MAN VIII 18 09 38 25 5.26N 127.30E 14 4.9b,3.9s ¶11908389
ISCJB VIII 18 09 38 32.5–1.2 5.73N–.07 126.4E–.20 65–9 4.0b,3.9s
NEIC VIII 18 09 38 33.0–2.0 5.77N 126.57E 54–17 3.9b,3.9s
IDC VIII 18 09 38 33.4–2.7 5.73N 126.45E 58–23 3.9,3.7
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=10.5km az=169.0.
NEIC Event type se. Error ellipse: s-maj=34.3km s-min=9.3km az=75.0.
IDC Error ellipse: s-maj=58.8km s-min=12.1km az=70.0.
ISC VIII 18 21 51 59.8–.83 5.35N–.06 126.79E–.09 92–6 4.4b 68 2-122
NEIC VIII 18 21 51 55.2–.84 5.24N 126.34E 45–7 4.5b ¶11908413
ISCJB VIII 18 21 51 58.8–.84 5.36N–.06 126.78E–.10 99–6 4.4b
IDC VIII 18 21 52 00.0–2.8 5.42N 127.03E 94–23 4.0,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.8km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=8.7km az=164.9.
IDC Error ellipse: s-maj=47.8km s-min=11.0km az=70.0.
ISC VIII 19 20 21 50.6–1.3 9.46N–.05 126.75E–.09 59–11 4.0b 39 1-87
IDC VIII 19 20 21 43.1–.99 9.31N 126.55E 0 4.0,3.9 ¶11908457
NEIC VIII 19 20 21 44.5–.51 9.32N 126.58E 10 4.4b,3.9
MAN VIII 19 20 21 48 9.63N 126.78E 18 4.9b,4.0s
ISCJB VIII 19 20 21 50.0–1.2 9.47N–.05 126.72E–.09 70–10 4.0b,4.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 20 17 41 45.2–1.5 8.29N–.05 126.9E–.10 63–14 3.7b 31 1-122
IDC VIII 20 17 41 36.9–.83 8.33N 126.92E 0 3.9,3.8b ¶11908501
NEIC VIII 20 17 41 38.6–.54 8.36N 126.81E 10 4.1b,3.8b
MAN VIII 20 17 41 40 8.19N 127.20E 30 5.0b,4.1s
ISCJB VIII 20 17 41 43.8–1.5 8.31N–.05 127.0E–.10 68–14 3.6b,4.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
MAN VIII 20 21 26 09 5.70N 124.89E 9 4.6b,3.5L
¶13728404
MAN VIII 21 21 23 44 8.95N 122.58E 33 4.1b,2.9L
¶13728419
ISC VIII 22 01 53 15.0–2.6 9.43N–.08 126.4E–.20 44–23 3.8b 21 1-121
IDC VIII 22 01 53 08.1–1.1 9.53N 126.73E 0 4.4L,4.0 ¶11908566
ISCJB VIII 22 01 53 13.9–2.2 9.42N–.07 126.4E–.20 52–19 3.8b,4.0
NEIC VIII 22 01 53 18.1–4.1 9.28N 126.23E 74–33 3.8b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=65.2km s-min=17.0km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=28.4km s-min=7.4km az=161.2.
NEIC Event type se. Error ellipse: s-maj=76.5km s-min=10.3km az=67.0.
IDC VIII 22 02 16 07.4–3.0 8.59N 126.90E 0 4.2,4.0b
¶12581281
IDC Error ellipse: s-maj=284.5km s-min=20.5km az=66.0.
ISC VIII 22 14 05 60.0–.65 5.30N–.03 126.35E–.08 59–7 4.2b,3.4s 49 2-122
ISCJB VIII 22 14 05 58.4–.71 5.29N–.03 126.37E–.08 62–7 4.2b,3.4s ¶11908587
DJA VIII 22 14 05 58 5.22N 126.38E 10 4.7,3.4s
IDC VIII 22 14 06 01.0–1.6 5.31N 126.42E 68–14 4.0,4.0
NEIC VIII 22 14 06 02.0–1.2 5.35N 126.47E 79–11 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=4.9km az=172.2.
IDC Error ellipse: s-maj=28.9km s-min=11.0km az=73.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=7.3km az=70.0.
ISC VIII 23 10 54 04.9–.96 5.06N–.07 126.3E–.10 91–8 4.1b 33 2-122
MAN VIII 23 10 54 00 4.89N 126.52E 98 5.2b,4.4s ¶11908643
ISCJB VIII 23 10 54 04.0–.92 5.06N–.07 126.2E–.10 98–7 4.1b,4.4s
NEIC VIII 23 10 54 04.1–1.1 5.09N 126.22E 84–10 4.1b,4.4s
IDC VIII 23 10 54 04.1–2.5 5.08N 126.22E 82–22 3.9,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=10.9km az=170.4.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=7.8km az=75.0.
IDC Error ellipse: s-maj=37.8km s-min=12.6km az=76.0.
ISC VIII 23 16 26 01.0–.73 6.15N–.08 126.23E–.09 126–7 3.5b 19 1-59
ISCJB VIII 23 16 25 60.0–.76 6.14N–.08 126.2E–.10 135–7 3.4b ¶12581323
IDC VIII 23 16 26 01.9–1.7 6.13N 126.09E 135–8 3.8s,3.8
MAN VIII 23 16 26 02 6.39N 126.36E 114 4.8b,3.8s
ISCJB Error ellipse: s-maj=18.3km s-min=13.0km az=168.6.
IDC Error ellipse: s-maj=190.0km s-min=16.2km az=65.0.
MAN VIII 23 20 45 11 9.15N 126.37E 24 4.3b,3.1L
¶13728431
ISC VIII 24 00 16 21.0–.99 5.21N–.08 125.8E–.40 35 3.6b 8 2-90
ISCJB VIII 24 00 16 19.0–1.1 5.15N–.07 125.7E–.40 33 3.6b ¶13728439
IDC VIII 24 00 16 22.2–4.2 5.03N 127.85E 0 4.6L,4.0
MAN VIII 24 00 16 28 6.44N 126.35E 142 4.3b,3.1L
ISCJB Error ellipse: s-maj=53.3km s-min=7.5km az=172.1.
IDC Error ellipse: s-maj=177.9km s-min=28.4km az=55.0.
IDC VIII 24 06 07 36.2–2.1 5.95N 124.78E 0 4.1,3.9b
¶12581335
IDC Error ellipse: s-maj=209.9km s-min=24.2km az=64.0.
ISC VIII 24 08 00 46.7–.89 6.3N–.20 125.9E–.30 125–10 3.5b 12 1-83
IDC VIII 24 08 00 43.1–3.7 5.77N 124.69E 78–34 3.5,3.3b ¶12581338
IDC Error ellipse: s-maj=49.3km s-min=18.3km az=81.0.
IDC VIII 24 17 39 26.8–2.9 8.66N 124.28E 0 3.5,3.3b
¶12581349
IDC Error ellipse: s-maj=279.5km s-min=27.0km az=64.0.
ISC VIII 24 18 09 56.4–.66 5.52N–.09 124.1E–.10 495–8 3.5b 23 2-87
ISCJB VIII 24 18 09 55.4–.65 5.52N–.08 124.1E–.10 500–8 3.5b ¶11908705
NEIC VIII 24 18 09 56.8–.94 5.52N 124.14E 503–17 3.5b
IDC VIII 24 18 09 56.8–1.2 5.46N 124.07E 498–16 3.2,3.1
DJA VIII 24 18 09 57 5.55N 124.12E 454 4.1b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=11.4km az=154.2.
NEIC Event type se. Error ellipse: s-maj=59.8km s-min=12.6km az=61.0.
IDC Error ellipse: s-maj=49.0km s-min=11.2km az=60.0.
ISC VIII 24 23 14 27.7–.79 6.89N–.08 126.25E–.05 13–4 3.7b 22 0-121
ISCJB VIII 24 23 14 26.6–.80 6.86N–.08 126.25E–.06 17–5 3.7b ¶11908720
IDC VIII 24 23 14 27.3–.86 6.36N 125.32E 0 3.9,3.8b
MAN VIII 24 23 14 27 6.90N 126.21E 6 4.4b,3.2L
NEIC VIII 24 23 14 30.6–1.6 6.76N 125.87E 32–10 3.8b,3.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=8.6km az=28.6.
IDC Error ellipse: s-maj=28.6km s-min=9.4km az=103.0.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=11.5km az=67.0.
MAN VIII 25 06 46 00 9.03N 125.46E 32 4.0b,2.7L
¶13728451
MAN VIII 25 06 48 51 7.40N 122.08E 33 4.1b,2.9L
¶13728452
MAN VIII 30 08 44 06 9.20N 125.46E 1 4.6b,3.4s
¶13728480
MAN VIII 30 14 03 27 6.85N 125.76E 32 4.7b,3.6L
¶13728481
ISC IX 01 13 22 49.8–1.1 7.03N–.05 123.53E–.03 1–8 3.1b 21 1-32
IDC IX 01 13 22 51.7–1.6 6.74N 123.60E 0 3.6,3.3b ¶11909222
MAN IX 01 13 22 53 7.16N 123.59E 31 4.2b,3.1L
IDC Error ellipse: s-maj=34.2km s-min=24.8km az=12.0.
MAN IX 01 17 52 32 7.08N 123.91E 30 4.2b,3.0L
¶13728498
ISC IX 02 16 47 25.6–.63 7.27N–.06 125.63E–.05 45–7 3.7b 18 0-54
ISCJB IX 02 16 47 24.8–.65 7.24N–.06 125.63E–.05 55–6 3.7b ¶13728795
MAN IX 02 16 47 25 7.27N 125.59E 31 4.8b,3.8s
IDC IX 02 16 48 01.9–1.6 2.78N 127.03E 0 3.8,3.6b
ISCJB Error ellipse: s-maj=11.7km s-min=6.9km az=33.6.
IDC Error ellipse: s-maj=98.2km s-min=25.4km az=69.0.
ISC IX 02 18 12 32.9–.58 9.65N–.04 125.40E–.05 13–5 3.5b 36 0-52
IDC IX 02 18 12 31.0–1.0 9.48N 125.01E 0 4.1L,3.8 ¶11909296
ISCJB IX 02 18 12 32.5–.55 9.66N–.04 125.46E–.05 22–5 3.5b,3.8
MAN IX 02 18 12 32 9.65N 125.37E 10 4.8b,3.8s
NEIC IX 02 18 12 33.7–.76 9.44N 124.90E 20 3.9b,3.8s
ISC Event type fe.
IDC Error ellipse: s-maj=43.0km s-min=14.2km az=72.0.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=5.0km az=150.5.
MAN Event type fe. INTENSITY II - SURIGAO CITY.

NEIC Event type fe. Error ellipse: s-maj=28.5km s-min=10.9km az=61.0. Felt [II PIVS] at Surigao, Mindanao.
MAN IX 02 18 43 56 9.54N 125.71E 21 4.0b,2.7L ¶13728797
MAN IX 04 23 07 21 7.34N 126.08E 32 4.2b,3.0L ¶13729517
MAN Event type fe. INTENSITY II - POBLACION COMPOSTELA COMPOSTELA VALLEY.
MAN IX 05 01 32 40 9.54N 125.74E 8 3.9b,2.7L ¶13729889
MAN IX 05 18 18 34 7.20N 122.06E 15 3.8b,2.6L ¶13729891
MAN IX 05 18 20 27 7.40N 121.96E 33 3.6b,2.3L ¶13729892
ISC IX 06 02 13 51.4–.45 6.20N–.03 126.27E–.06 73–4 4.2b 75 1-122
IDC IX 06 02 13 41.5–.66 6.30N 126.58E 0 4.4,4.2b **¶11909575**
ISCJB IX 06 02 13 50.2–.46 6.20N–.03 126.28E–.06 79–4 4.2b,4.2b
NEIC IX 06 02 13 50.5–1.2 6.17N 126.36E 66–11 4.5b,4.2b
MAN IX 06 02 13 59 7.27N 126.17E 1 4.8b,3.7s
DJA IX 06 02 14 00 5.59N 126.26E 103 4.9b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=39.5km s-min=13.3km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.0km az=169.8.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=6.4km az=70.0.
ISC IX 06 16 14 51.0–1.6 6.4N–.30 126.4E–.10 58–40 3.0b 11 1-31
IDC IX 06 16 13 59.0–2.5 11.27N 124.76E 0 3.5,3.3b **¶11909616**
ISCJB IX 06 16 14 49.6–1.5 6.4N–.30 126.5E–.10 63–34 3.0b,3.3b
MAN IX 06 16 14 51 6.41N 126.34E 64 4.4b,3.3L
IDC Error ellipse: s-maj=147.7km s-min=27.8km az=67.0.
ISCJB Error ellipse: s-maj=46.0km s-min=20.0km az=14.3.
MAN IX 06 17 51 49 9.13N 126.14E 19 3.9b,2.6L ¶13730220
ISC IX 07 06 45 09.6–1.7 7.6N–.20 126.6E–.30 161–14 3.6b 12 1-71
IDC IX 07 06 44 49.6–3.4 8.10N 127.63E 0 3.8b,3.8 **¶11909694**
ISCJB IX 07 06 45 08.5–1.5 7.5N–.20 126.6E–.20 171–12 3.6b,3.8
MAN IX 07 06 45 11 8.05N 126.58E 95 4.1b,2.9L
IDC Error ellipse: s-maj=305.5km s-min=26.4km az=69.0.
ISCJB Error ellipse: s-maj=44.4km s-min=21.6km az=144.0.
IDC IX 07 08 23 48.9–1.7 5.18N 126.98E 0 4.0,3.8b ¶11909712
IDC Error ellipse: s-maj=101.1km s-min=23.3km az=67.0.
IDC IX 07 17 04 47.6–37 6.77N 126.80E 0 3.6,3.4b ¶11909740
IDC Error ellipse: s-maj=626.9km s-min=118.5km az=165.0.
ISC IX 09 14 12 29.1–.90 8.53N–.03 125.86E–.04 14–5 4.0b 46 0-145
IDC IX 09 14 12 26.4–.60 8.54N 125.81E 0 3.9,3.9 **¶11909877**
ISCJB IX 09 14 12 29.3–.89 8.55N–.03 125.90E–.04 29–6 4.0b,3.9
MAN IX 09 14 12 29 8.57N 125.75E 10 4.7b,3.6s
BJI IX 09 14 12 32.1 8.50N 125.80E 23 5.0b,4.3s
NEIC IX 09 14 12 32.2–1.8 8.46N 125.76E 42–17 4.4b,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=25.3km s-min=9.8km az=89.0.
ISCJB Event type fe. Error ellipse: s-maj=7.8km s-min=5.3km az=156.2.
NEIC Event type fe. Error ellipse: s-maj=20.0km s-min=8.0km az=67.0. Felt [III PIVS] at San Francisco; [II PIVS] at Bayugan and Prosperidad; [I PIVS] at Compostela.
MAN IX 09 22 44 42 9.68N 126.08E 43 4.1b,2.9L ¶13731310
MAN IX 10 20 47 06 9.38N 125.75E 17 4.2b,3.0L ¶13731711
MAN IX 11 19 11 28 7.21N 126.54E 1 4.6b,3.5L ¶13732012
ISC IX 12 22 46 05.3–1.4 8.48N–.05 126.8E–.10 67–12 3.8b 37 2-95
MAN IX 12 22 46 01 8.44N 126.89E 49 4.8b,3.7s **¶11910140**
ISCJB IX 12 22 46 04.3–1.4 8.48N–.05 126.8E–.10 76–12 3.8b,3.7s
NEIC IX 12 22 46 06.5–1.2 8.43N 126.61E 78–11 4.1b,3.7s
IDC IX 12 22 46 07.6–2.8 8.37N 126.54E 89–26 3.7,3.7
ISC Event type fe.
MAN Event type fe. INTENSITY II - BISLIG SURIGAO DEL SUR.
ISCJB Event type fe. Error ellipse: s-maj=18.5km s-min=7.0km az=170.6.
NEIC Event type fe. Error ellipse: s-maj=17.7km s-min=5.6km az=72.0. Felt [II PIVS] at Bislig.
IDC Error ellipse: s-maj=36.4km s-min=13.7km az=72.0.
ISC IX 13 02 52 43.8–.24 7.67N–.03 123.90E–.05 606–3 4.5b 227 1-165
BJI IX 13 02 52 42.2 7.55N 123.88E 614 4.7b,4.6b **¶13394229**
TEH IX 13 02 52 43.0 7.69N 123.90E 599 4.7b,4.6b
IDC IX 13 02 52 44.0–.71 7.64N 123.87E 611–8 3.8,3.8
NEIC IX 13 02 52 43.7–.38 7.69N 123.89E 606–5 4.5b,3.8
ISCJB IX 13 02 52 43.0–.24 7.70N–.03 123.90E–.05 616–3 4.5b,3.8
MOS IX 13 02 52 43.5–1.1 7.76N 123.85E 618 4.5b,3.8
DJA IX 13 02 52 45 7.67N 123.83E 594 4.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=6.1km az=72.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.9km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=173.1.
MOS Error ellipse: s-maj=15.6km s-min=7.1km az=123.2.
ISC IX 14 02 38 10.8–.63 6.71N–.09 126.15E–.08 65–7 3.7b 17 0-87
IDC IX 14 02 38 01.4–.82 6.87N 125.99E 0 4.0,3.8b **¶11910227**
NEIC IX 14 02 38 06.8–.63 6.84N 125.97E 35 4.8b,3.8b
ISCJB IX 14 02 38 09.6–.65 6.66N–.09 126.15E–.08 69–7 3.7b,3.8b
MAN IX 14 02 38 10 6.52N 126.04E 36 4.6b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=63.7km s-min=16.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=50.4km s-min=11.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=10.2km az=35.6.
ISC IX 14 04 30 25.3–3.4 5.59N–.06 125.60E–.09 17–22 3.4b 12 2-55
ISCJB IX 14 04 30 23.8–3.1 5.55N–.05 125.59E–.08 14–21 3.4b **¶11910234**
MAN IX 14 04 30 25 5.49N 125.62E 34 4.8b,3.7s
IDC IX 14 04 30 35.8–1.9 4.20N 125.83E 0 3.6,3.4
ISCJB Error ellipse: s-maj=14.0km s-min=7.8km az=169.2.
IDC Error ellipse: s-maj=116.4km s-min=23.7km az=69.0.
IDC IX 14 10 49 51.3–2.8 6.94N 125.22E 0 3.5,3.4b ¶11910254
IDC Error ellipse: s-maj=270.7km s-min=25.7km az=65.0.
ISC IX 14 14 21 45.7–.85 7.96N–.06 126.3E–.10 154–6 3.7b 23 1-88
ISCJB IX 14 14 21 44.7–.82 7.95N–.06 126.3E–.10 162–5 3.7b **¶11910266**
NEIC IX 14 14 21 44.7–.79 8.08N 126.56E 150 4.1b
MAN IX 14 14 21 45 7.96N 126.20E 153 4.3b,3.2L
IDC IX 14 14 21 47.2–7.3 8.03N 126.46E 170–66 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=9.3km az=167.2.
NEIC Event type se. Error ellipse: s-maj=40.2km s-min=10.4km az=63.0.
IDC Error ellipse: s-maj=64.7km s-min=13.7km az=64.0.
ISC IX 14 16 33 42.7–1.5 9.69N–.05 126.54E–.05 1–8 3.8b 31 1-87
IDC IX 14 16 33 41.2–1.3 9.72N 126.37E 0 3.9,3.8b **¶11910273**
NEIC IX 14 16 33 42.7–.69 9.73N 126.43E 10 3.9,3.8b
MAN IX 14 16 33 44 9.65N 126.41E 1 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=130.7km s-min=16.7km az=71.0.
NEIC Event type se. Error ellipse: s-maj=64.1km s-min=8.1km az=70.0.
MAN IX 14 20 54 57 6.23N 124.07E 68 4.8b,3.7s ¶13733216
MAN IX 15 02 30 27 9.20N 125.81E 15 3.9b,2.7L ¶13733595
IDC IX 16 17 40 42.1–1.4 5.18N 126.99E 0 3.8,3.6b ¶11910414
IDC Error ellipse: s-maj=97.6km s-min=18.4km az=69.0.
ISC IX 16 18 40 47.3–.85 6.7N–.20 126.2E–.10 63–11 3.0b 10 0-55
IDC IX 16 18 40 38.2–1.6 7.00N 126.72E 0 3.4,3.2b **¶11910419**
ISCJB IX 16 18 40 46.0–.86 6.7N–.20 126.2E–.10 71–10 3.0b,3.2b
MAN IX 16 18 40 51 7.27N 126.07E 1 4.6b,3.4L
IDC Error ellipse: s-maj=33.2km s-min=13.7km az=19.0.
ISCJB Error ellipse: s-maj=31.1km s-min=15.8km az=26.4.
MAN IX 17 19 00 50 7.12N 125.95E 26 4.5b,3.4L ¶13734267
ISC IX 17 23 41 38.0–.28 6.35N–.02 125.42E–.04 111–3 4.6b 130 1-163
BJI IX 17 23 41 32.4 6.30N 125.40E 59 5.0b,4.6b **¶11910523**
ISCJB IX 17 23 41 36.9–.29 6.35N–.02 125.43E–.04 118–3 4.6b,4.6b
IDC IX 17 23 41 37.1–.61 6.23N 125.44E 108–5 4.2,4.2
DJA IX 17 23 41 38 6.36N 125.49E 100 5.1b,4.2
NEIC IX 17 23 41 38.5–.79 6.35N 125.43E 119–8 4.7b,4.2
MAN IX 17 23 41 38 6.44N 125.27E 86 5.3b,4.5s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.0km az=179.3.
IDC Error ellipse: s-maj=17.3km s-min=8.4km az=82.0.
NEIC Event type fe. Error ellipse: s-maj=10.4km s-min=6.3km az=82.0. Felt [II PIVS] at General Santos.
MAN Event type fe. INTENSITY II - GENERAL SANTOS CITY.
MAN IX 18 00 08 25 9.99N 125.99E 13 4.3b,3.2L ¶13734592
MAN IX 18 14 41 28 9.44N 125.60E 9 4.4b,3.3L ¶13734593
ISC IX 19 02 41 31.0–.86 6.6N–.10 126.4E–.10 77–8 3.7b 15 0-88
ISCJB IX 19 02 41 29.9–.86 6.6N–.10 126.4E–.10 83–8 3.7b **¶11910602**
IDC IX 19 02 41 29.3–4.6 6.75N 126.66E 65–39 3.7,3.5s
MAN IX 19 02 41 32 6.75N 126.28E 64 4.9b,3.8s
ISCJB Error ellipse: s-maj=23.6km s-min=14.1km az=33.4.
IDC Error ellipse: s-maj=68.9km s-min=17.4km az=64.0.
MAN IX 19 12 38 56 9.02N 125.64E 28 4.2b,3.0L ¶13734930
MAN IX 20 02 57 33 7.01N 126.13E 26 4.5b,3.3L ¶13735211
MAN IX 20 19 30 00 5.99N 125.85E 149 5.1b,4.2s ¶13735214
ISC IX 20 19 41 39.2–1.0 5.4N–.10 126.1E–.20 129–17 3.3b 17 2-56
ISCJB IX 20 19 41 38.3–.94 5.5N–.10 126.1E–.20 142–15 3.3b **¶11910726**
IDC IX 20 19 41 39.1–2.2 5.62N 126.46E 140–18 3.3,3.1b
MAN IX 20 19 41 44 5.70N 125.77E 52 4.4b,3.3L
ISCJB Error ellipse: s-maj=31.6km s-min=19.0km az=145.1.
IDC Error ellipse: s-maj=107.8km s-min=20.4km az=68.0.
MAN IX 20 20 57 00 7.75N 124.05E 93 4.2b,3.0L ¶13735215
IDC IX 21 08 48 24.6–2.0 7.86N 126.74E 0 3.7,3.6b ¶11910756
IDC Error ellipse: s-maj=148.4km s-min=20.2km az=71.0.
MAN IX 21 20 38 07 6.97N 125.61E 20 3.9b,2.6L ¶13735615
MAN IX 22 03 45 26 7.26N 124.45E 13 4.3b,3.1L ¶13735957
MAN IX 22 14 12 37 7.14N 126.17E 32 4.4b,3.3L ¶13735958
MAN IX 22 20 44 17 6.35N 125.36E 42 4.3b,3.1L ¶13735959
MAN IX 23 09 53 05 8.86N 122.30E 32 4.2b,3.0L ¶13736312
MAN IX 23 15 11 59 6.79N 123.83E 7 4.5b,3.4L ¶13736313
MAN IX 23 15 48 39 6.93N 126.30E 17 4.4b,3.3L ¶13736314
MAN IX 23 16 45 47 8.37N 125.87E 27 4.7b,3.6s ¶13736315
MAN IX 24 10 46 53 8.37N 126.65E 20 4.7b,3.6s ¶13736657
IDC IX 25 12 57 50.3–3.5 6.06N 126.87E 87–32 3.4,3.3b ¶11911011
IDC Error ellipse: s-maj=63.9km s-min=14.3km az=70.0.
ISC IX 26 00 34 19.7–1.4 7.93N–.09 126.5E–.20 154–11 3.6b 19 1-88
ISCJB IX 26 00 34 18.8–1.3 7.91N–.09 126.4E–.20 162–11 3.6b **¶11911058**
IDC IX 26 00 34 19.7–2.6 7.94N 126.49E 153–21 4.5s,4.5
NEIC IX 26 00 34 20.0–2.4 7.93N 126.45E 158–24 3.9b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.5km s-min=11.9km az=166.6.
IDC Error ellipse: s-maj=54.5km s-min=14.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=7.5km az=75.0.
ISC IX 29 13 00 55.4–.82 6.7N–.10 126.1E–.10 146–8 3.6b 13 0-55
ISCJB IX 29 13 00 54.2–.80 6.7N–.10 126.1E–.10 152–8 3.6b **¶11911340**
IDC IX 29 13 00 55.1–1.7 6.75N 126.12E 146–9 3.4,3.2b
ISCJB Error ellipse: s-maj=24.9km s-min=17.5km az=149.0.
IDC Error ellipse: s-maj=78.2km s-min=18.5km az=68.0.
ISC IX 30 19 35 00.5–.85 6.41N–.03 124.60E–.04 6–6 4.0b 60 1-84
IDC IX 30 19 35 00.9–3.7 6.38N 124.68E 14–25 3.8,3.7 **¶11911483**
NEIC IX 30 19 35 00.5–1.4 6.39N 124.69E 11–10 4.4b,3.7
ISCJB IX 30 19 35 01.1–.77 6.39N–.02 124.58E–.04 24–7 4.0b,3.7
DJA IX 30 19 35 02 6.46N 124.41E 31 4.8,3.7
MAN IX 30 19 35 02 6.55N 124.59E 26 4.8b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=15.3km az=86.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.8km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.0km az=174.8.
MAN X 01 04 14 10 8.88N 122.57E 32 4.4b,3.3L ¶13739005
ISC X 02 01 25 44.6–.20 8.47N–.02 124.70E–.03 390–2 4.6b 342 1-165
BJI X 02 01 25 41.4 8.30N 124.84E 388 4.7b,4.5b **¶13395666**
ISCJB X 02 01 25 43.6–.20 8.46N–.02 124.69E–.03 396–2 4.6b,4.5b
MOS X 02 01 25 44.9–.86 8.44N 124.62E 412 4.6b,4.5b
NEIC X 02 01 25 44.5–.43 8.44N 124.66E 393–4 4.7b,4.5b
IDC X 02 01 25 44.7–.75 8.38N 124.62E 396–7 4.2,4.2
TEH X 02 01 25 44.0 8.50N 124.66E 383 4.2,4.2
DJA X 02 01 25 44 8.57N 124.71E 391 4.9b,4.2
MAN X 02 01 25 45 8.46N 124.64E 376 5.1b,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.5km az=166.3.
MOS Error ellipse: s-maj=10.8km s-min=5.5km az=116.4.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=65.0.
IDC Error ellipse: s-maj=12.0km s-min=6.6km az=73.0.
MAN X 02 14 44 52 9.21N 125.66E 5 4.3b,3.2L ¶13739369
MAN X 02 19 40 10 8.43N 126.07E 22 4.3b,3.1L ¶13739370
MAN X 03 07 04 21 8.94N 125.41E 35 4.3b,3.1L ¶13739693
MAN X 03 10 27 41 7.12N 122.08E 27 4.1b,2.9L ¶13739694
MAN X 03 20 51 55 9.35N 125.43E 1 4.6b,3.4s ¶13739700
ISC X 04 22 57 47.3–.42 5.36N–.04 124.12E–.06 35 3.7b,3.3s 45 2-96
MAN X 04 22 57 42 5.80N 123.99E 223 4.9b,3.8s **¶12065943**
ISCJB X 04 22 57 45.5–.40 5.34N–.03 124.07E–.05 33 3.7b,3.3s
NEIC X 04 22 57 47.1–.59 5.64N 124.71E 35 4.3b,3.3s
DJA X 04 22 57 48 5.33N 124.18E 60 4.6b,3.3s
IDC X 04 22 57 50.9–4.5 5.35N 124.33E 64–49 3.9L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=176.5.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=9.6km az=77.0.
IDC Error ellipse: s-maj=43.0km s-min=14.6km az=72.0.
ISC X 06 00 13 36.1–.66 7.32N–.06 125.13E–.06 33–6 3.8b 30 0-96
IDC X 06 00 13 33.3–1.5 7.18N 126.30E 0 3.7,3.5 **¶12066078**
NEIC X 06 00 13 34.5–.42 7.18N 126.22E 10 4.2b,3.5
MAN X 06 00 13 35 7.30N 125.14E 24 4.7b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=30.5km s-min=10.6km az=0.0.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=7.2km az=47.0. Felt [III PIVS] at Cotabato and Kabacan; [II PIVS] at Kidapawan.
MAN Event type fe. INTENSITY III - KABACAN COTABATO CITY; INTENSITY II - BRGY PEREZ.
MAN X 07 11 13 16 8.49N 125.69E 32 4.8b,3.7s

¶13741133
IDC X 07 19 25 14.4–2.0 5.98N 126.96E 0 3.5,3.4b
¶12066283
IDC Error ellipse: s-maj=195.2km s-min=21.8km az=68.0.
ISC X 09 17 45 13.6–1.4 8.84N–.03 122.27E–.03 21–11 4.2b 95 1-167
IDC X 09 17 45 09.2–.63 8.93N 122.49E 0 4.2,4.1 ¶12066448
ISCJB X 09 17 45 12.9–1.3 8.83N–.03 122.23E–.03 28–10 4.2b,4.1
NEIC X 09 17 45 16.8–1.4 8.82N 122.30E 54–13 4.1b,4.1
DJA X 09 17 45 23 8.42N 121.95E 50 4.7,4.1
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=12.8km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.3km az=153.2.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=8.4km az=221.0.
ISC X 12 05 31 50.4–1.1 6.1N–.20 126.4E–.10 80–16 3.5b 14 1-55
ISCJB X 12 05 31 49.4–1.1 6.2N–.20 126.5E–.10 90–15 3.5b ¶12068444
IDC X 12 05 31 50.3–2.7 6.04N 126.24E 76–25 3.5,3.3b
ISCJB Error ellipse: s-maj=30.9km s-min=19.3km az=39.4.
IDC Error ellipse: s-maj=163.8km s-min=23.0km az=64.0.
ISC X 14 01 04 26.1–.18 5.49N–.02 124.10E–.03 499–2 5.2b 506 2-164
BJI X 14 01 04 18.9 4.96N 124.38E 478 5.1b,4.8b ¶13396977
MAN X 14 01 04 23 5.33N 123.75E 498 5.7b,5.2s
TEH X 14 01 04 24.0 5.54N 124.19E 481 5.7b,5.2s
NEIC X 14 01 04 26.0–.39 5.50N 124.11E 500–5 5.3b,5.2s
ISCJB X 14 01 04 25.2–.19 5.49N–.02 124.10E–.03 502–2 5.2b,5.2s
DJA X 14 01 04 25 5.56N 124.09E 505 5.3W,5.2s
IDC X 14 01 04 25.7–.50 5.44N 124.08E 498–5 4.5,4.4b
MOS X 14 01 04 26.1–.89 5.54N 124.12E 515 5.2b,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.5km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=172.7.
IDC Error ellipse: s-maj=11.2km s-min=6.3km az=70.0.
MOS Error ellipse: s-maj=11.7km s-min=5.3km az=123.1.
IDC X 14 06 40 48.5–1.3 5.20N 125.73E 0 3.8,3.6b
¶12068603
IDC Error ellipse: s-maj=88.4km s-min=18.1km az=76.0.
MAN X 15 02 59 48 8.31N 121.45E 38 4.3b,3.1L
¶13743899
MAN X 15 16 02 47 8.71N 125.78E 20 4.7b,3.6s
¶13743902
MAN X 16 22 44 54 9.43N 125.77E 12 4.0b,2.8L
¶13744229
ISC X 17 06 41 49.3–1.2 6.81N–.05 123.83E–.05 8–7 4.0b,3.2s 22 1-87
ISCJB X 17 06 41 47.7–1.3 6.74N–.05 123.82E–.05 7–8 4.0b,3.2s ¶12068866
IDC X 17 06 41 48.0–1.2 6.79N 123.70E 0 4.2,4.1
MAN X 17 06 41 50 6.77N 123.78E 50 4.6b,3.5L
ISCJB Error ellipse: s-maj=9.2km s-min=8.3km az=151.0.
IDC Error ellipse: s-maj=23.6km s-min=15.4km az=173.0.
ISC X 17 15 31 39.3–1.3 5.1N–.20 125.5E–.30 182–23 3.8b 15 2-56
ISCJB X 17 15 31 38.1–1.3 5.1N–.20 125.5E–.30 190–22 3.8b ¶12068896
NEIC X 17 15 31 39.8–1.1 5.08N 125.47E 187 4.2b
IDC X 17 15 31 39.8–9.1 5.14N 125.50E 187–87 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=55.6km s-min=16.7km az=152.3.
NEIC Event type se. Error ellipse: s-maj=45.3km s-min=13.3km az=60.0.
IDC Error ellipse: s-maj=62.5km s-min=15.6km az=59.0.
MAN X 18 10 34 17 9.30N 126.01E 5 4.2b,3.0L
¶13744916
ISC X 20 01 37 14.9–1.1 8.77N–.06 126.56E–.09 65–10 4.1b 58 1-145
ISCJB X 20 01 37 14.2–1.0 8.75N–.06 126.52E–.09 74–9 4.1b ¶12069096
MAN X 20 01 37 14 8.81N 126.44E 21 4.6s,3.5b
NEIC X 20 01 37 14.4–1.7 8.67N 126.28E 60–16 4.2b,3.5b
IDC X 20 01 37 18.3–2.1 8.71N 126.34E 95–20 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=6.3km az=152.4.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=7.4km az=64.0.
IDC Error ellipse: s-maj=27.2km s-min=13.3km az=68.0.
ISC X 20 15 40 57.3–.48 6.00N–.04 126.18E–.07 146–4 4.3b 65 1-163
MAN X 20 15 40 52 5.62N 126.17E 130 4.9b,3.8s ¶12069135
DJA X 20 15 40 54 6.26N 126.56E 164 4.5b,3.8s
ISCJB X 20 15 40 56.2–.49 6.02N–.04 126.19E–.07 153–4 4.3b,3.8s
NEIC X 20 15 40 57.5–.37 5.96N 126.11E 148 4.2b,3.8s
IDC X 20 15 40 58.0–.64 5.91N 125.93E 146–5 4.2,4.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=6.0km az=167.6.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.4km az=65.0.
IDC Error ellipse: s-maj=22.4km s-min=9.9km az=78.0.
ISC X 20 22 03 38.3–.81 5.75N–.06 126.9E–.10 131–6 4.2b 78 1-122
ISCJB X 20 22 03 37.2–.80 5.75N–.06 126.9E–.10 138–5 4.2b ¶11478023
NEIC X 20 22 03 38.5–.65 5.76N 126.92E 134–5 4.4b
IDC X 20 22 03 38.4–1.6 5.77N 126.99E 130–12 4.1,4.0b
MAN X 20 22 03 57 7.09N 126.25E 27 4.6b,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=8.2km az=159.9.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=3.8km az=70.0.
IDC Error ellipse: s-maj=34.2km s-min=9.9km az=70.0.
MAN X 21 18 57 26 9.92N 125.97E 17 4.4b,3.3L
¶13745916
ISC X 21 21 31 23.3–5.0 6.6N–.20 125.7E–.40 6–26 4.1b 8 5-89
IDC X 21 21 31 22.3–1.9 6.63N 125.72E 0 4.2,4.0b ¶12070754
DJA X 21 21 32 18 1.19N 126.28E 20 4.2,4.0b
IDC Error ellipse: s-maj=219.1km s-min=30.4km az=70.0.
MAN X 22 08 07 38 8.99N 125.61E 29 3.8b,2.6L
¶13746220
MAN X 22 22 13 10 6.75N 126.19E 47 4.5b,3.4L
¶13746222
MAN X 22 22 26 31 7.30N 126.40E 112 5.0b,4.0s
¶13746223
ISC X 23 06 52 55.9–1.5 6.6N–.10 126.7E–.10 33–10 3.7b 16 1-55
IDC X 23 06 52 52.2–2.0 6.27N 125.92E 0 4.0,3.8b ¶12070864
ISCJB X 23 06 52 55.4–1.5 6.6N–.10 126.7E–.10 49–15 3.7b,3.8b
MAN X 23 06 53 03 6.79N 126.27E 7 4.9b,3.9s
IDC Error ellipse: s-maj=116.0km s-min=26.7km az=67.0.
ISCJB Error ellipse: s-maj=28.3km s-min=14.2km az=43.9.
ISC X 23 09 21 14.6–.12 6.01N–.01 125.95E–.02 130 5.8b 794 1-163
BJI X 23 09 21 11.9 5.85N 125.88E 127 5.7b,5.6b ¶13397878
ISCJB X 23 09 21 12.9–.11 6.02N–.02 125.94E–.02 128 5.8b,5.6b
MAN X 23 09 21 12 5.70N 125.92E 107 5.8b,5.3s
TEH X 23 09 21 14.0 5.98N 125.86E 124 5.8b,5.3s
IDC X 23 09 21 14.6–.46 5.95N 125.78E 127–3 5.4,5.4
MOS X 23 09 21 15.1–1.0 6.08N 125.58E 138 5.8b,4.6s
NEIC X 23 09 21 15.1–.57 5.96N 125.78E 130–5 5.8b,5.6W
DJA X 23 09 21 15 6.06N 126.06E 130 5.9W,5.6W
GCMT X 23 09 21 17.0–.10 5.94N 125.98E 127–0 5.7W,5.6W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.1km az=175.2.
MAN Event type fe. INTENSITY III - GENERAL SANTOS CITY; INTENSITY II - KIDAPAWAN CITY.
IDC Error ellipse: s-maj=11.6km s-min=7.0km az=75.0.
MOS Error ellipse: s-maj=8.7km s-min=4.5km az=114.0.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.3km az=70.0. Felt [III PIVS] at Davao, General Santos and Kidapawan; [II PIVS] at Compostela, Manay and San Francisco. Also felt at Digos. Felt [III] at Naha, Indonesia. Moment Tensor Solution. s37 Moment tensor: Scale 10^{17}Nm; M_{rr}2.26 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-2.61 $M_{r\theta}$1.09 $M_{\theta\phi}$0.91 $M_{\phi r}$2.19 Best double couple: NP1: ϕ_s11.00000°,δ68.00000°,λ115.00000°. NP2:ϕ_s139.00000°,δ33.00000°,λ43.00000°. Principal axes: T 3.6500,Plg58.0000°,Azm317.0000°; N -0.1400,Plg23.0000°,Azm181.0000° ; P -3.5100,Plg19.0000°,Azm82.0000° M_o3.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=236, per= 50. Moment Tensor Solution. s106,c209; s26,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}2.32±.05 $M_{\theta\theta}$0.68±.05; $M_{\phi\phi}$-2.99±.06; $M_{r\theta}$1.39±.04; $M_{\theta\phi}$0.21±.05; $M_{\phi r}$2.89±.04; Best double couple: NP1:ϕ_s152.00000°,δ26.00000°,λ46.00000°. NP2:ϕ_s19.00000°,δ72.00000°,λ109.00000°. Principal axes: T 4.1300,Plg59.0000°,Azm316.0000°; N 0.1700,Plg18.0000°,Azm193.0000° ; P -4.2900,Plg24.0000°,Azm95.0000° M_o4.20000×10^{17}

ISC X 23 09 46 41.6–.67 6.1N–.10 126.3E–.10 128–10 3.7b 28 1-55
NEIC X 23 09 46 30.1–1.0 5.16N 124.21E 10 4.1b ¶12070867
ISCJB X 23 09 46 40.4–.67 6.1N–.10 126.3E–.10 135–9 3.7b
IDC X 23 09 46 41.0–2.3 5.73N 125.40E 113–29 3.6,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.1km s-min=14.3km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=29.5km s-min=13.6km az=139.9.
IDC Error ellipse: s-maj=82.3km s-min=17.6km az=70.0.
ISC X 25 04 13 54.2–.39 6.62N–.02 124.60E–.05 39–4 4.4b,3.9s 101 1-88
MAN X 25 04 13 49 6.60N 124.41E 20 5.4b,4.7s ¶11362619
IDC X 25 04 13 52.7–3.0 6.59N 124.64E 34–25 4.2,4.1b
ISCJB X 25 04 13 52.3–.43 6.59N–.02 124.53E–.04 39–5 4.4b,3.9s
NEIC X 25 04 13 53.4–5.3 6.88N 124.50E 24–38 4.7b,3.9s
DJA X 25 04 13 53 6.72N 124.58E 66 5.1b,3.9s
BJI X 25 04 14 00.0 7.30N 124.63E 60 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=14.3km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.9km az=174.1.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.5km az=72.0.
MAN X 25 09 03 39 6.74N 123.97E 12 4.4b,3.2L
¶13747046
ISC X 25 12 32 13.3–.76 8.60N–.04 125.92E–.06 10 3.4b 22 0-95
ISCJB X 25 12 32 12.8–.80 8.57N–.04 125.93E–.06 10 3.4b ¶12071070
IDC X 25 12 32 13.0–1.8 8.52N 126.44E 0 3.7,3.5
MAN X 25 12 32 13 8.58N 125.86E 9 4.8b,3.7s
ISCJB Error ellipse: s-maj=9.3km s-min=5.8km az=167.1.
IDC Error ellipse: s-maj=43.6km s-min=25.9km az=90.0.
IDC X 25 22 23 58.0–1.7 5.93N 125.48E 0 3.7,3.5b
¶12071108
IDC Error ellipse: s-maj=93.6km s-min=23.1km az=71.0.
MAN X 26 12 09 01 9.82N 124.69E 54 4.2b,3.0L
¶13747428
ISC X 26 12 46 54.6–1.3 7.58N–.06 126.8E–.10 60–15 3.6b 20 1-82
ISCJB X 26 12 46 53.6–1.2 7.58N–.06 126.8E–.10 69–13 3.6b ¶12071159
MAN X 26 12 46 54 7.53N 126.68E 34 4.6b,3.5s
IDC X 26 12 46 55.4–3.5 7.65N 126.78E 68–35 3.6,3.4b
ISCJB Error ellipse: s-maj=20.3km s-min=9.1km az=171.0.
IDC Error ellipse: s-maj=38.1km s-min=18.1km az=80.0.
IDC X 26 22 58 09.6–1.0 6.25N 125.74E 82–12 3.5,3.3b
¶12071201
IDC Error ellipse: s-maj=65.8km s-min=19.2km az=79.0.
ISC X 27 18 18 16.1–1.0 9.34N–.05 126.45E–.09 62–11 3.9b 44 1-87
IDC X 27 18 18 07.7–.79 9.28N 126.34E 0 4.1,3.9b ¶12071259
ISCJB X 27 18 18 14.8–1.0 9.33N–.04 126.46E–.08 67–11 3.8b,3.9b
MAN X 27 18 18 15 9.26N 126.29E 19 4.9b,3.9s
NEIC X 27 18 18 18.3–2.6 9.22N 126.38E 84–25 4.1b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=49.7km s-min=16.5km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=6.5km az=162.1.
NEIC Event type se. Error ellipse: s-maj=42.7km s-min=14.6km az=76.0.
MAN X 27 19 53 05 8.43N 122.56E 63 4.8b,3.7s
¶13747819
MAN X 27 20 33 54 9.90N 125.34E 33 3.7b,2.4L
¶13747821
ISC X 28 07 58 03.4–.85 6.21N–.05 126.07E–.10 10 3.8b 10 1-55
ISCJB X 28 07 58 01.5–.85 6.18N–.05 126.0E–.10 10 3.8b ¶12071317
IDC X 28 07 58 01.8–2.0 6.19N 126.02E 0 3.9,3.8b
MAN X 28 07 58 18 6.93N 126.26E 20 4.8b,3.8s
ISCJB Error ellipse: s-maj=15.0km s-min=6.6km az=162.1.
IDC Error ellipse: s-maj=161.4km s-min=25.1km az=64.0.
MAN X 28 14 42 45 6.62N 124.36E 9 4.1b,2.9L
¶13748126
IDC X 28 18 47 00.2–1.5 5.24N 126.64E 0 3.6,3.4b
¶12071362
IDC Error ellipse: s-maj=151.2km s-min=20.5km az=69.0.
MAN X 29 13 20 24 9.21N 125.81E 115 4.6b,3.5L
¶13748454
MAN X 29 17 33 51 8.66N 122.41E 36 3.9b,2.6L
¶13748457
ISC X 30 05 47 34.6–.22 6.76N–.03 123.77E–.04 586–3 4.4b 177 1-165
BJI X 30 05 47 23.9 5.73N 124.20E 568 4.7b,4.6b ¶11379105
DJA X 30 05 47 32 7.06N 124.03E 602 4.9b,4.6b
ISCJB X 30 05 47 33.9–.22 6.76N–.03 123.77E–.04 594–3 4.4b,4.6b
NEIC X 30 05 47 34.3–.41 6.75N 123.74E 584–5 4.6b,4.6b
IDC X 30 05 47 34.5–.47 6.70N 123.74E 589–5 3.7,3.6b
MAN X 30 05 47 37 7.05N 123.80E 551 5.3b,4.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=0.5.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.0km az=73.0.
IDC Error ellipse: s-maj=12.0km s-min=5.2km az=73.0.
MAN XI 01 01 05 26 6.98N 125.88E 77 4.3b,3.2L
¶13749393
MAN XI 01 03 22 25 5.98N 124.56E 41 4.2b,3.0L
¶13749394
MAN XI 01 16 13 56 6.80N 123.64E 1 4.5b,3.4L
¶13749397
MAN XI 01 20 35 47 7.94N 124.99E 29 4.2b,3.0L
¶13749399
MAN XI 01 22 16 04 9.34N 125.48E 5 3.9b,2.6L
¶13749400
ISC XI 02 08 25 21.7–4.3 5.5N–.40 124.2E–.20 522–17 3.5b 13 5-120
DJA XI 02 08 25 12 6.47N 124.45E 480 4.4b ¶12071969
IDC XI 02 08 25 19.4–11 5.75N 123.95E 526–100 3.0,2.8
IDC Error ellipse: s-maj=137.6km s-min=40.4km az=40.0.
MAN XI 02 22 11 24 7.01N 123.09E 1 4.2b,3.0L
¶13749774
ISC XI 03 00 54 15.6–.77 7.38N–.04 123.56E–.04 8–6 3.6b 24 0-53
MAN XI 03 00 54 13 7.47N 123.57E 1 4.6b,3.5L ¶12072059
ISCJB XI 03 00 54 16.0–1.2 7.39N–.05 123.57E–.04 13–8 3.6b,3.5L
IDC XI 03 00 54 18.7–1.3 6.80N 123.79E 0 3.9,3.7
ISCJB Error ellipse: s-maj=8.1km s-min=5.5km az=24.6.
IDC Error ellipse: s-maj=36.1km s-min=24.5km az=61.0.
MAN XI 03 14 46 49 7.18N 126.03E 32 3.9b,2.7L
¶13750131
ISC XI 03 17 42 35.7–1.1 6.75N–.07 126.47E–.10 54–10 3.9b 45 0-122
IDC XI 03 17 42 28.3–.66 6.95N 126.74E 0 4.1,4.0 ¶12072146
MAN XI 03 17 42 32 6.59N 126.48E 22 4.6b,3.5L
ISCJB XI 03 17 42 33.9–1.0 6.76N–.07 126.52E–.09 56–8 3.9b,3.5L
NEIC XI 03 17 42 33.3–.40 6.90N 126.67E 35 3.9b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=12.0km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=9.8km az=154.5.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=7.9km az=61.0.
MAN XI 06 05 09 50 6.53N 125.75E 3 4.5b,3.4L
¶13751075
MAN XI 06 14 56 07 7.27N 124.23E 32 4.2b,3.0L
¶13751076
MAN XI 06 16 47 15 7.42N 122.01E 10 3.9b,2.6L
¶13751077
ISC XI 07 07 22 21.1–.58 5.99N–.04 126.1E–.10 160–6 3.9b 25 1-60
IDC XI 07 07 22 06.2–1.8 5.05N 123.37E 0 4.4,4.1b ¶12922980
MAN XI 07 07 22 19 5.86N 125.97E 146 4.6b,3.5L
DJA XI 07 07 22 19 6.17N 126.35E 103 4.8b,3.5L
ISCJB XI 07 07 22 20.0–.57 5.99N–.04 126.1E–.10 168–6 3.9b,3.5L
MAN XI 08 08 00 13 7.84N 124.57E 17 3.6b,2.3L
¶13751707
ISC XI 08 17 58 45.2–.33 6.34N–.03 125.74E–.04 84–3 4.3b 100 1-55
MAN XI 08 17 58 40 6.15N 125.74E 121 4.9b,3.9s ¶11472978
ISCJB XI 08 17 58 44.0–.34 6.33N–.03 125.74E–.04 90–3 4.3b,3.9s
IDC XI 08 17 58 43.7–1.0 6.18N 125.59E 67–12 4.0,3.9
NEIC XI 08 17 58 45.6–.86 6.35N 125.68E 89–8 4.7b,3.9

DJA XI 08 17 58 46 6.29N 125.71E 39 4.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.0km az=165.3.
IDC Error ellipse: s-maj=31.5km s-min=12.0km az=67.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.8km az=53.0.
MAN XI 09 05 01 17 7.83N 123.04E 25 3.8b,2.5L
¶13752001
MAN XI 09 10 42 13 8.33N 124.57E 35 4.2b,3.0L
¶13752002
MAN XI 09 11 28 57 6.75N 125.63E 29 4.3b,3.1L
¶13752003
IDC XI 10 17 23 58.9–36 6.14N 122.20E 0 4.0,3.8b
¶12073086
IDC Error ellipse: s-maj=623.7km s-min=346.0km az=145.0.
MAN XI 11 07 24 11 7.33N 124.32E 22 4.0b,2.8L
¶13752714
MAN XI 11 17 46 53 6.53N 125.90E 96 4.7b,3.6s
¶13752716
MAN XI 11 18 24 51 7.07N 126.32E 34 4.6b,3.5L
¶13752715
ISC XI 12 02 04 52.9–.38 7.01N–.02 126.36E–.03 54–3 5.0b,4.2s 371 0-163
BJI XI 12 02 04 45.3 6.39N 126.73E 44 5.1b,5.1b **¶13399882**
MOS XI 12 02 04 49.9–1.2 7.03N 126.32E 44 5.3b,5.1b
ISCJB XI 12 02 04 50.5–.38 6.99N–.02 126.38E–.03 48–3 5.0b,4.2s
TEH XI 12 02 04 51.0 6.98N 126.39E 35 5.0b,4.2s
MAN XI 12 02 04 51 6.96N 126.22E 34 5.6b,5.0s
IDC XI 12 02 04 51.1–1.3 6.96N 126.36E 43–11 4.6,4.6
NEIC XI 12 02 04 52.2–1.1 6.99N 126.33E 49–9 5.0b,4.6
GCMT XI 12 02 04 53.1–.30 6.89N 126.27E 36–2 5.1W,4.6
DJA XI 12 02 04 55 6.89N 126.25E 52 5.5W,4.6
ISC Event type fe.
MOS Error ellipse: s-maj=12.0km s-min=5.7km az=115.8.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.8km az=166.3.
MAN Event type fe. INTENSITY IV - MATI DAVAO ORIENTAL; INTENSITY III - MANAY DAVAO ORIENTAL; TAGUM CITY.
IDC Error ellipse: s-maj=14.8km s-min=8.3km az=77.0.
NEIC Event type fe. Error ellipse: s-maj=8.6km s-min=5.0km az=65.0. Felt [IV PIVS] at Mati; [III PIVS] at Manay and Tagum; [II PIVS] at Davao; [I PIVS] at General Santos.
GCMT Event type se. Data Used: IU G IC II CN. Moment Tensor Solution. s31,c36; s70,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}1.53±.26 $M_{\theta\theta}$3.46±.18; $M_{\phi\phi}$-4.99±.20; $M_{r\theta}$1.49±.20; $M_{\theta\phi}$-1.29±.16; $M_{\phi r}$1.74±.30; Best double couple: NP1:ϕ_s144.00000°,δ59.00000°,λ9.00000°. NP2:ϕ_s49.00000°,δ82.00000°,λ149.00000°. Principal axes: T 4.2800,Plg27.0000° ,Azm2.0000°; N 1.4300,Plg58.0000°,Azm217.0000°; P -5.7100,Plg15.0000°,Azm101.0000° M_o5.00000×10^{16}
ISC XI 12 21 40 37.9–1.3 5.2N–.10 125.9E–.20 79–13 3.6b 14 1-60
IDC XI 12 21 40 29.6–.92 4.91N 124.89E 0 4.0L,3.7 **¶12073351**
ISCJB XI 12 21 40 37.0–1.2 5.3N–.10 125.9E–.20 90–12 3.6b,3.7
ISC XI 13 10 22 43.8–.67 6.8N–.10 126.00E–.09 66–8 3.1b 13 0-83
IDC XI 13 10 22 32.3–1.8 6.86N 124.49E 0 3.6,3.4b **¶12073407**
ISCJB XI 13 10 22 42.8–.68 6.7N–.10 126.02E–.09 72–7 3.1b,3.4b
MAN XI 13 10 22 44 6.79N 125.98E 48 4.9b,3.8s
IDC Error ellipse: s-maj=33.3km s-min=13.6km az=152.0.
ISCJB Error ellipse: s-maj=21.6km s-min=11.3km az=30.2.
ISC XI 14 23 02 53.4–1.0 5.44N–.09 124.4E–.20 35 3.8b 9 1-55
IDC XI 14 23 02 48.4–1.2 5.38N 124.17E 0 4.1,4.0b **¶12073574**
ISCJB XI 14 23 02 51.4–1.1 5.41N–.10 124.3E–.20 33 3.8b,4.0b
MAN XI 15 13 35 04 7.28N 124.27E 32 4.1b,2.9L
¶13753966
MAN XI 17 08 50 24 9.32N 125.68E 25 3.8b,2.5L
¶13754681
MAN XI 17 16 12 41 5.50N 124.49E 44 4.6b,3.5L
¶13754682
ISC XI 17 20 49 20.6–.60 6.24N–.04 126.34E–.09 127–5 4.1b 55 1-122
MAN XI 17 20 49 18 6.04N 126.29E 118 4.1b **¶12073908**
ISCJB XI 17 20 49 19.6–.59 6.23N–.04 126.32E–.09 134–5 4.0b
IDC XI 17 20 49 20.9–1.0 6.22N 126.22E 130–7 3.8,3.7b
NEIC XI 17 20 49 21.3–.98 6.20N 126.08E 132–8 4.3b,3.7b
DJA XI 17 20 50 10 2.15N 126.06E 55 3.4,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=6.4km az=165.9.
IDC Error ellipse: s-maj=44.1km s-min=10.4km az=72.0.
NEIC Event type se. Error ellipse: s-maj=37.0km s-min=8.6km az=73.0.
MAN XI 18 02 29 33 9.45N 125.81E 81 4.5b,3.3L
¶13754983
ISC XI 18 08 37 42.8–.36 5.35N–.02 126.10E–.05 105–3 4.6b 160 2-122
MOS XI 18 08 37 33.8–.88 5.42N 125.80E 42 4.8b **¶11457637**
MAN XI 18 08 37 38 5.16N 126.15E 59 4.7b,3.6s
IDC XI 18 08 37 41.5–1.0 5.33N 125.85E 95–8 4.2,4.1
ISCJB XI 18 08 37 41.6–.36 5.36N–.02 126.11E–.05 110–3 4.6b,4.1
BJI XI 18 08 37 41.6 5.30N 125.90E 106 5.3b,4.8b
DJA XI 18 08 37 43 5.31N 126.22E 64 4.9b,4.8b
NEIC XI 18 08 37 43.5–.81 5.33N 125.85E 116–7 4.5b,4.8b
ISC Event type se.
MOS Error ellipse: s-maj=20.1km s-min=8.9km az=99.1.
IDC Error ellipse: s-maj=22.8km s-min=8.7km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=3.7km az=176.6.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=4.7km az=84.0.
ISC XI 18 19 22 37.5–.46 7.24N–.03 126.70E–.05 86–4 4.4b 198 1-122
MOS XI 18 19 22 30.2–.96 7.27N 126.60E 36 4.9b **¶11457652**
BJI XI 18 19 22 30.7 6.49N 126.81E 90 5.0b,4.5s
MAN XI 18 19 22 35 7.27N 126.75E 88 5.1b,4.3s
DJA XI 18 19 22 36 7.29N 126.75E 19 5.0b,4.3s
NEIC XI 18 19 22 36.5–.96 7.22N 126.63E 80–9 4.5b,4.3s
ISCJB XI 18 19 22 36.0–.49 7.25N–.03 126.71E–.05 89–4 4.4b,4.3s
IDC XI 18 19 22 36.4–1.2 7.21N 126.65E 79–10 4.3,4.2
ISC Event type se.
MOS Error ellipse: s-maj=13.7km s-min=7.1km az=112.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.1km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.0km az=161.3.
IDC Error ellipse: s-maj=15.1km s-min=7.9km az=82.0.
ISC XI 18 22 24 49.8–1.0 5.67N–.08 126.5E–.20 179–7 4.1b 40 2-122
ISCJB XI 18 22 24 48.7–.00 5.68N–.08 126.5E–.20 188–7 4.1b **¶12074060**
NEIC XI 18 22 24 49.6–1.1 5.89N 126.84E 185–9 4.1b
IDC XI 18 22 24 49.3–1.8 5.88N 126.89E 180–12 3.8,3.7b
DJA XI 18 22 25 01 4.51N 126.58E 115 4.3,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.3km s-min=9.0km az=163.2.
NEIC Event type se. Error ellipse: s-maj=31.6km s-min=7.4km az=66.0.
IDC Error ellipse: s-maj=52.1km s-min=11.6km az=68.0.
MAN XI 19 16 55 19 8.71N 122.76E 2 4.2b,3.0L
¶13755260
ISC XI 20 16 47 29.3–1.6 5.63N–.05 124.59E–.08 4–11 3.3b 21 1-55
ISCJB XI 20 16 47 28.9–1.4 5.61N–.04 124.57E–.07 9–9 3.2b **¶12074284**
MAN XI 20 16 47 28 5.57N 124.54E 16 4.8b,3.8s
IDC XI 20 16 47 29.1–1.2 5.53N 124.65E 0 3.5,3.4
DJA XI 20 16 48 19 0.48S 123.36E 216 2.8,3.4
ISCJB Error ellipse: s-maj=12.7km s-min=6.6km az=18.9.
IDC Error ellipse: s-maj=46.0km s-min=20.2km az=85.0.
IDC XI 20 20 06 37.9–38 6.28N 126.94E 0 3.6,3.4b
¶12074313
IDC Error ellipse: s-maj=642.7km s-min=116.0km az=163.0.
ISC XI 20 22 34 13.0–.56 7.67N–.03 124.77E–.04 15–4 3.7b 34 0-56
IDC XI 20 22 34 10.3–.94 7.53N 124.54E 0 3.9,3.8b **¶12074333**
MAN XI 20 22 34 12 7.72N 124.75E 1 4.6b,3.5s
ISCJB XI 20 22 34 13.4–.59 7.66N–.03 124.81E–.04 33–5 3.7b,3.5s
NEIC XI 20 22 34 15.1–.64 7.63N 124.83E 35 3.9b,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=26.2km s-min=11.3km az=37.0.
MAN Event type fe. INTENSITY II - MALASAG CAGAYAN DE ORO.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=4.9km az=158.2.
NEIC Event type fe. Error ellipse: s-maj=32.4km s-min=10.8km az=62.0. Felt [II PIVS] at Malasag.

MAN XI 22 18 57 46 9.89N 124.75E 10 4.6b,3.5s
¶13756057
MAN XI 24 02 08 52 8.13N 124.17E 41 4.4b,3.3L
¶13756867
ISC XI 25 10 21 21.5–.57 7.88N–.02 124.23E–.03 14–3 4.8b,4.2s 211 1-145
DJA XI 25 10 21 16 8.60N 124.04E 74 5.4b,4.2s **¶11474942**
MAN XI 25 10 21 21 7.96N 124.19E 2 5.4b,4.7s
ISCJB XI 25 10 21 21.3–.52 7.84N–.02 124.25E–.03 26–3 4.8b,4.2s
MOS XI 25 10 21 21.9–1.1 7.91N 124.20E 33 5.1b,4.2s
BJI XI 25 10 21 22.3 7.82N 123.95E 19 5.0b,4.8b
IDC XI 25 10 21 23.9–3.5 7.89N 124.20E 33–27 4.5,4.3
NEIC XI 25 10 21 25.1–.84 7.86N 124.22E 44–8 5.0b,4.3
GCMT XI 25 10 21 25.3–.30 7.97N 124.26E 24–1 4.9W,4.3
ISC Event type fe.
MAN Event type fe. INTENSITY III - OZAMIS CITY; INTENSITY II - ILIGAN CITY; CAGAYAN DE ORO CITY; COTABATO CITY; SULTAN KUDARAT.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.4km az=153.9.
MOS Error ellipse: s-maj=16.7km s-min=7.1km az=117.5.
IDC Error ellipse: s-maj=23.5km s-min=11.2km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=3.7km az=62.0. Felt [III PIVS] at Ozamiz City and [II PIVS] at Cagayan de Oro, Cotabato, Iligan and Sultan Kudarat.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s16,c18; s58,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}0.31±.15 $M_{\theta\theta}$1.61±.09; $M_{\phi\phi}$-1.92±.13; $M_{r\theta}$-1.04±.17; $M_{\theta\phi}$-1.18±.08; $M_{\phi r}$-0.10±.14; Best double couple: NP1:ϕ_s334.00000°,δ66.00000°,λ12.00000°. NP2:ϕ_s240.00000°,δ79.00000°,λ155.00000°. Principal axes: T 2.4200,Plg25.0000° ,Azm195.0000°; N -0.0800,Plg63.0000°,Azm38.0000°; P -2.3400,Plg9.0000°,Azm289.0000° M_o2.40000×10^{16}
MAN XI 25 16 32 23 8.96N 121.79E 33 4.6b,3.4s
¶13757176
ISC XI 27 16 01 34.1–.71 5.9N–.10 125.9E–.10 148–10 3.4b 15 1-55
ISCJB XI 27 16 01 32.9–.71 5.9N–.10 125.9E–.20 154–10 3.4b **¶12075046**
IDC XI 27 16 01 33.4–1.9 6.18N 126.36E 154–14 3.4,3.2b
ISCJB Error ellipse: s-maj=25.4km s-min=17.4km az=176.0.
IDC Error ellipse: s-maj=95.0km s-min=19.4km az=66.0.
ISC XI 27 18 53 28.1–.45 6.19N–.05 125.89E–.09 153–4 4.1b 56 1-116
ISCJB XI 27 18 53 27.0–.43 6.18N–.05 125.87E–.09 160–4 4.1b **¶12075062**
MAN XI 27 18 53 27 6.25N 126.01E 154 5.0b,4.0s
NEIC XI 27 18 53 28.0–.80 6.20N 125.87E 154–8 4.1b,4.0s
IDC XI 27 18 53 28.5–.50 6.21N 125.83E 157–4 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=7.9km az=161.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=7.3km az=71.0.
IDC Error ellipse: s-maj=22.1km s-min=9.1km az=74.0.
MAN XI 27 20 41 17 7.01N 124.23E 19 3.7b,2.5L
¶15802103
MAN XI 28 12 11 26 8.90N 126.44E 34 4.5b,3.3L
¶13758048
IDC XI 28 20 41 29.9–2.0 5.58N 123.13E 0 3.8,3.5b
¶12075178
IDC Error ellipse: s-maj=219.4km s-min=27.1km az=63.0.
ISC XI 29 02 41 05.1–.85 8.75N–.05 126.38E–.06 71–7 4.2b 71 2-145
ISCJB XI 29 02 41 04.0–.86 8.76N–.05 126.38E–.06 78–7 4.2b **¶11528475**
MAN XI 29 02 41 04 8.82N 126.36E 39 4.4b,3.3L
IDC XI 29 02 41 05.6–2.3 8.84N 126.47E 80–19 3.9,3.8
NEIC XI 29 02 41 05.8–1.7 8.78N 126.43E 80–15 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.5km az=153.2.
IDC Error ellipse: s-maj=24.1km s-min=12.1km az=72.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=8.1km az=63.0.
IDC XI 29 04 25 40.5–1.1 5.53N 126.57E 0 3.7,3.5
¶12075220
IDC Error ellipse: s-maj=67.5km s-min=24.8km az=80.0.
IDC XI 29 15 46 39.4–2.4 5.40N 124.44E 0 3.9,3.7b
¶12075267
IDC Error ellipse: s-maj=234.6km s-min=26.9km az=62.0.
ISC XI 29 15 47 24.4–.41 5.89N–.04 125.7E–.10 183–3 4.1b 51 1-89
MAN XI 29 15 47 22 5.76N 125.75E 179 4.4b,3.3L **¶12075268**
ISCJB XI 29 15 47 23.3–.41 5.92N–.04 125.7E–.10 191–3 4.1b,3.3L
IDC XI 29 15 47 24.8–.60 5.99N 125.70E 185–7 3.9,3.7b
NEIC XI 29 15 47 24.6–.80 5.98N 125.72E 186–8 4.7b,3.7b
DJA XI 29 15 47 26 5.85N 126.12E 154 4.4,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=5.4km az=164.5.
IDC Error ellipse: s-maj=44.8km s-min=9.8km az=69.0.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=7.9km az=65.0.
ISC XI 29 22 57 25.6–1.6 9.46N–.06 126.2E–.20 90–14 3.7b 22 1-87
MAN XI 29 22 57 18 9.49N 126.41E 1 5.0b,4.0s **¶12075285**
ISCJB XI 29 22 57 25.3–1.4 9.43N–.06 126.1E–.20 104–11 3.7b,4.0s
IDC XI 29 22 57 29.4–2.9 9.26N 125.89E 124–26 3.6,3.5b
ISCJB Error ellipse: s-maj=30.4km s-min=7.2km az=167.7.
IDC Error ellipse: s-maj=53.2km s-min=16.9km az=69.0.
ISC XI 29 22 58 14.7–1.9 9.40N–.07 126.3E–.10 80–17 4.0b 41 1-121
ISCJB XI 29 22 58 11.7–1.8 9.42N–.07 126.5E–.10 70–16 4.0b **¶12075286**
IDC XI 29 22 58 12.8–8.7 9.42N 126.21E 60–82 3.9,3.8b
NEIC XI 29 22 58 15.2–1.9 9.39N 126.21E 84–18 3.6b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=9.8km az=162.7.
IDC Error ellipse: s-maj=37.3km s-min=15.6km az=75.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=6.6km az=75.0.
ISC XI 29 23 58 40.3–2.1 9.38N–.06 125.55E–.06 3–13 3.9b,3.3s 34 1-120
MAN XI 29 23 58 43 9.41N 125.51E 34 4.6b,3.5L **¶12075292**
NEIC XI 29 23 58 48.6–2.3 9.27N 125.49E 71–20 4.1b,3.5L
IDC XI 29 23 58 50.1–3.2 9.20N 125.26E 84–29 3.8,3.7
ISC Event type fe.
MAN Event type fe. INTENSITY II - MAINIT SURIGAO DEL NORTE.
NEIC Event type fe. Error ellipse: s-maj=35.9km s-min=13.0km az=62.0. Felt [III PIVS] at Cabadbaran and [II PIVS] at Mainit.
IDC Error ellipse: s-maj=61.5km s-min=19.0km az=71.0.
MAN XI 30 16 09 15 8.98N 125.68E 14 4.5b,3.3L
¶13758585
MAN XI 30 17 16 54 8.92N 125.73E 11 4.8b,3.8s
¶13758586
ISC XI 30 17 39 21.9–1.0 9.08N–.05 126.99E–.07 55–9 4.4b 80 1-145
IDC XI 30 17 39 14.7–.55 9.06N 126.96E 0 4.4,4.3 **¶12075352**
MAN XI 30 17 39 19 9.10N 127.05E 45 5.3b,4.5s
ISCJB XI 30 17 39 20.4–1.0 9.08N–.05 127.00E–.07 59–9 4.4b,4.5s
NEIC XI 30 17 39 22.6–1.4 9.02N 126.95E 61–13 4.1b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=12.5km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=5.8km az=153.4.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.5km az=71.0.
IDC XII 02 09 35 08.4–2.2 6.09N 126.94E 0 3.7b,3.7
¶12075486
IDC Error ellipse: s-maj=198.8km s-min=21.9km az=67.0.
MAN XII 02 16 27 56 8.99N 126.30E 29 4.1b,2.9L
¶13758846
MAN XII 02 18 56 44 9.74N 124.72E 8 4.7b,3.6L
¶13758847
IDC XII 03 08 55 08.6–9.9 6.32N 123.64E 650–159 3.0,2.9b
¶12075596
IDC Error ellipse: s-maj=127.5km s-min=15.0km az=53.0.
ISC XII 04 08 55 23.9–1.2 8.44N–.05 126.99E–.08 58–11 4.2b,3.4s 60 2-122
IDC XII 04 08 55 16.4–.65 8.46N 126.89E 0 4.3,4.2 **¶12075712**
MAN XII 04 08 55 18 8.24N 127.24E 77 5.1b,4.3s
ISCJB XII 04 08 55 21.1–1.4 8.45N–.05 127.08E–.09 54–12 4.2b,3.4s
NEIC XII 04 08 55 24.7–1.8 8.33N 126.69E 64–16 4.3b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=13.4km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=7.3km az=170.7.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=7.5km az=70.0.
MAN XII 04 12 04 46 6.04N 125.00E 27 4.0b,2.8L

¶13758858

ISC XII 05 18 14 31.4–1.4 6.57N–.07 126.9E–.10 52–14 3.8b 33 1-88
IDC XII 05 18 14 24.3–1.2 6.72N 127.09E 0 3.8,3.7 **¶12075912**
ISCJB XII 05 18 14 30.0–1.4 6.59N–.07 127.0E–.10 57–13 3.8b,3.7
MAN XII 05 18 14 32 6.37N 126.46E 13 4.6b,3.5s
NEIC XII 05 18 14 32.2–2.5 6.54N 126.79E 61–22 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=17.0km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=10.2km az=156.1.
NEIC Event type se. Error ellipse: s-maj=41.7km s-min=9.0km az=74.0.
MAN XII 06 23 28 42 8.98N 125.95E 23 4.1b,2.9L

¶13758863

ISC XII 07 22 17 51.9–.52 6.51N–.05 126.01E–.10 141–4 3.8b 38 0-121
ISCJB XII 07 22 17 50.7–.52 6.49N–.05 126.01E–.10 147–5 3.8b **¶12076255**
IDC XII 07 22 17 51.9–.72 6.53N 126.01E 141–9 3.8,3.6b
NEIC XII 07 22 17 51.9–.74 6.51N 125.99E 144–7 3.9b,3.6b
MAN XII 07 22 17 57 6.78N 125.90E 76 4.5b,3.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=8.0km az=166.1.
IDC Error ellipse: s-maj=62.0km s-min=14.2km az=79.0.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=6.7km az=70.0.
IDC XII 08 01 38 30.0–3.3 6.04N 123.78E 630–55 2.8,2.7b

¶12076276

IDC Error ellipse: s-maj=117.4km s-min=14.3km az=68.0.
ISC XII 08 07 50 48.8–1.5 9.71N–.05 125.95E–.07 28–11 3.6b 18 1-120
IDC XII 08 07 50 43.9–1.5 9.89N 126.21E 0 4.3s,4.3 **¶12076320**
ISCJB XII 08 07 50 49.2–1.2 9.70N–.05 125.93E–.10 48–11 3.6b,4.3
MAN XII 08 07 50 51 9.62N 125.69E 14 4.5b,3.4L
IDC Error ellipse: s-maj=190.5km s-min=19.6km az=68.0.
ISCJB Error ellipse: s-maj=16.1km s-min=7.4km az=167.1.
ISC XII 09 09 21 15.1–2.3 6.8N–.20 123.7E–.30 658–38 4.4b 52 25-165
ISCJB XII 09 09 21 13.9–2.5 6.7N–.20 123.7E–.30 670–40 4.4b **¶12076504**
NEIC XII 09 09 21 13.8–2.8 6.77N 123.63E 637–39 4.6b
IDC XII 09 09 21 14.3–1.4 6.68N 123.49E 645–17 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=46.1km s-min=8.2km az=144.0.
NEIC Event type se. Error ellipse: s-maj=41.9km s-min=6.4km az=50.0.
IDC Error ellipse: s-maj=39.5km s-min=8.1km az=61.0.
IDC XII 09 19 55 10.9–3.2 7.29N 125.42E 0 4.0,3.9b

¶12076602

IDC Error ellipse: s-maj=336.6km s-min=23.0km az=64.0.
MAN XII 10 23 24 56 9.23N 126.26E 9 4.5b,3.3L

¶13758904

MAN XII 11 21 42 35 7.61N 122.97E 28 4.9b,3.9s

¶13758912

MAN XII 12 11 11 30 7.85N 123.45E 25 4.5b,3.4L

¶13758914

MAN XII 14 18 08 30 7.28N 125.81E 31 4.9b,3.8s

¶13759157

MAN XII 15 10 39 27 7.46N 121.26E 30 4.6b,3.5L

¶13759165

MAN XII 15 20 44 15 9.19N 125.58E 30 4.1b,2.9L

¶13759166

MAN XII 16 19 08 43 7.04N 123.36E 1 4.7b,3.6s

¶13759177

MAN XII 17 03 17 34 7.77N 124.65E 26 4.3b,3.1L

¶13759184

ISC XII 17 08 21 53.3–.97 8.63N–.05 126.34E–.09 85–8 4.3b 54 1-121
IDC XII 17 08 21 52.0–4.0 8.71N 126.51E 76–35 3.7,3.5b **¶11527702**
NEIC XII 17 08 21 51.7–1.0 8.67N 126.44E 74–9 4.3b,3.5b
ISCJB XII 17 08 21 52.5–.99 8.62N–.06 126.33E–.09 94–8 4.3b,3.5b
MAN XII 17 08 21 54 8.58N 126.20E 75 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=15.5km az=63.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=6.0km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=6.9km az=154.4.
MAN XII 17 22 17 04 8.97N 123.14E 20 4.2b,3.0L

¶13759187

MAN XII 18 02 00 44 9.22N 125.46E 4 4.1b,2.9L

¶13759192

MAN XII 19 08 53 09 9.63N 126.02E 85 4.4b,3.2L

¶13759198

MAN XII 20 00 24 29 6.50N 126.72E 36 4.1b,3.0L

¶13759505

ISC XII 20 13 50 03.0–.48 8.87N–.02 126.58E–.04 75–4 4.8b 280 1-164
MOS XII 20 13 49 56.7–1.2 8.91N 126.48E 33 5.2b **¶11514971**
MAN XII 20 13 49 58 8.91N 126.87E 54 5.5b,4.9s
ISCJB XII 20 13 50 01.0–.53 8.87N–.02 126.62E–.04 75–4 4.8b,4.9s
IDC XII 20 13 50 00.4–1.8 8.87N 126.51E 48–16 4.5,4.4
BJI XII 20 13 50 01.1 8.85N 126.54E 77 5.1b,4.9b
NEIC XII 20 13 50 02.6–.78 8.87N 126.54E 71–7 5.0b,4.9b
DJA XII 20 13 50 07 8.60N 126.57E 15 4.9b,4.9b
ISC Event type fe.
MOS Error ellipse: s-maj=13.7km s-min=5.9km az=115.7.
ISCJB Event type fe. Error ellipse: s-maj=7.4km s-min=3.8km az=169.4.
IDC Error ellipse: s-maj=18.9km s-min=10.1km az=80.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.4km az=75.0. Felt at Butuan and Cagayan.
ISC XII 20 15 43 08.4–.15 8.93N–.02 126.62E–.02 70 5.1b 503 2-170
IDC XII 20 15 42 58.7–.34 8.88N 126.52E 0 5.0s,5.0 **¶11527746**
MOS XII 20 15 43 02.3–1.1 8.86N 126.53E 33 5.5b,5.1s
MAN XII 20 15 43 03 8.94N 126.93E 83 5.8b,5.3s
ISCJB XII 20 15 43 06.5–.15 8.93N–.02 126.64E–.03 68 5.1b,5.3s
BJI XII 20 15 43 06.2 8.93N 126.61E 73 5.4b,5.2s
GCMT XII 20 15 43 06.7–.10 8.89N 126.84E 21–0 5.6W,5.2s
NEIC XII 20 15 43 08.1–.82 8.84N 126.53E 69–7 5.2b,5.2s
DJA XII 20 15 43 09 8.79N 127.08E 28 5.4W,5.2s
ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=9.0km az=66.0.
MOS Error ellipse: s-maj=11.9km s-min=5.0km az=117.9.
MAN Event type fe. INTENSITY II - BISLIG CITY.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.7km az=175.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 108 sta. Moment Tensor Solution. s94,c167; s99,c202; Moment tensor: Scale 10^{17}Nm; M_{rr}2.13±.04 $M_{\theta\theta}$0.34±.03; $M_{\phi\phi}$-2.48±.03; $M_{r\theta}$0.44±.06; $M_{\theta\phi}$0.12±.02; $M_{\theta r}$2.25±.09; Best double couple: NP1: ϕ_s165.00000°,δ24.00000°,λ69.00000°. NP2:ϕ_s8.00000°,δ68.00000°,λ99.00000°. Principal axes: T 3.1200,Plg66.0000°,Azm294.0000°; N 0.2700,Plg8.0000°,Azm184.0000° ; P -3.4000,Plg22.0000°,Azm91.0000° $M_0$3.30000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=3.8km az=70.0. Felt [I PIVS] at Bislig.
ISC XII 20 15 50 20.7–1.6 8.92N–.06 126.5E–.10 79–14 4.0b 19 2-95
MAN XII 20 15 50 17 8.94N 126.66E 82 5.1b,4.1s **¶12078346**
ISCJB XII 20 15 50 21.1–1.7 8.94N–.06 126.4E–.20 96–13 4.0b,4.1s
IDC XII 20 15 50 23.9–4.0 8.74N 126.34E 111–34 3.8,3.7b
ISCJB Error ellipse: s-maj=30.2km s-min=9.6km az=174.6.
IDC Error ellipse: s-maj=72.7km s-min=16.7km az=71.0.
ISC XII 20 16 35 38.6–1.4 8.92N–.06 126.79E–.10 61–12 4.0b 54 2-95
ISCJB XII 20 16 35 36.8–1.4 8.94N–.06 126.85E–.09 64–12 4.0b **¶12078353**
MAN XII 20 16 35 36 8.92N 126.87E 75 4.6b,3.5L
NEIC XII 20 16 35 41.9–2.0 8.77N 126.54E 89–17 4.6b,3.5L
IDC XII 20 16 35 42.5–3.6 8.75N 126.48E 93–33 3.8s,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=9.8km az=162.7.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=8.6km az=57.0.
IDC Error ellipse: s-maj=42.0km s-min=13.8km az=66.0.
ISC XII 20 18 22 38.7–2.2 9.0N–.10 126.9E–.20 45–23 3.5b 13 1-53
IDC XII 20 18 22 37.8–1.4 7.24N 123.12E 0 3.6L,3.6 **¶12078368**
MAN XII 20 18 22 39 8.84N 126.65E 19 4.6b,3.5s
IDC Error ellipse: s-maj=37.4km s-min=23.4km az=45.0.
MAN XII 20 19 40 45 8.87N 126.89E 6 4.7b,3.6s

¶13759508

MAN Event type fe. INTENSITY I - SURIGAO CITY.
ISC XII 20 20 18 11.2–.90 8.94N–.04 126.80E–.07 54–8 4.0b 70 1-95
IDC XII 20 20 18 04.2–.68 9.02N 126.96E 0 4.0,3.9 **¶12078381**
MAN XII 20 20 18 08 8.90N 126.86E 26 4.9b,3.9s
ISCJB XII 20 20 18 09.6–.91 8.96N–.04 126.83E–.06 58–8 4.0b,3.9s
NEIC XII 20 20 18 12.5–1.6 8.91N 126.71E 68–15 4.6b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=21.4km s-min=12.0km az=90.0.
MAN Event type fe. INTENSITY I - SURIGAO CITY.
ISCJB Event type fe. Error ellipse: s-maj=10.3km s-min=6.4km az=170.1.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=6.5km az=56.0. Felt [I PIVS] at Surigao.
MAN XII 20 20 30 31 8.90N 126.81E 18 4.6b,3.5s

¶13759509

MAN Event type fe. INTENSITY II - SURIGAO CITY.
ISC XII 20 21 00 44.4–.58 8.92N–.03 126.76E–.05 66–5 4.7b 226 2-98
MOS XII 20 21 00 39.5–1.0 8.84N 126.56E 37 5.0b **¶11514985**
MAN XII 20 21 00 41 8.94N 126.82E 34 5.4b,4.7s
ISCJB XII 20 21 00 42.3–.66 8.94N–.03 126.81E–.04 66–5 4.7b,4.7s
DJA XII 20 21 00 44 8.93N 126.79E 10 4.9b,4.7s
NEIC XII 20 21 00 45.4–.97 8.84N 126.61E 76–9 5.0b,4.7s
IDC XII 20 21 00 47.7–1.8 8.75N 126.46E 96–18 4.2,4.2
ISC Event type se.
MOS Error ellipse: s-maj=15.2km s-min=6.9km az=117.3.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.3km az=162.9.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.7km az=74.0.
IDC Error ellipse: s-maj=18.4km s-min=9.0km az=78.0.
ISC XII 21 00 25 56.7–.85 8.88N–.04 126.72E–.07 64–7 4.4b 83 1-160
IDC XII 21 00 25 48.7–.53 8.86N 126.55E 0 4.3,4.2 **¶11527756**
MAN XII 21 00 25 53 8.90N 126.80E 24 4.8b,3.8s
ISCJB XII 21 00 25 55.1–.86 8.89N–.04 126.75E–.06 66–7 4.3b,3.8s
NEIC XII 21 00 25 59.9–1.3 8.81N 126.52E 92–11 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=10.4km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=6.3km az=161.2.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=5.7km az=60.0.
MAN XII 21 04 08 40 8.96N 126.74E 18 4.6b,3.5s

¶13759518

MAN XII 21 06 22 59 8.97N 125.95E 24 4.3b,3.2L

¶13759519

MAN XII 21 09 10 03 8.92N 126.53E 1 4.5b,3.3L

¶13759520

ISC XII 21 21 22 01.8–.89 8.97N–.04 126.77E–.07 60–7 4.5b,3.8s 98 2-121
IDC XII 21 21 21 54.8–.64 9.07N 126.76E 0 4.4,4.3b **¶12078495**
MAN XII 21 21 21 57 8.88N 126.98E 103 5.0b,4.1s
NEIC XII 21 21 21 58.1–4.0 9.08N 126.80E 26–28 4.8b,4.1s
ISCJB XII 21 21 22 00.2–.92 8.98N–.04 126.81E–.06 65–7 4.4b,4.1s
DJA XII 21 21 22 30 7.08N 125.69E 30 4.8b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=15.2km az=80.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.9km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=5.7km az=171.7.
IDC XII 22 12 12 58.9–2.1 7.16N 125.50E 0 3.7,3.5b

¶12078560

IDC Error ellipse: s-maj=233.1km s-min=21.1km az=67.0.
ISC XII 22 18 50 12.7–.48 5.17N–.03 126.96E–.08 105–6 3.4b 38 2-56
MAN XII 22 18 50 08 4.90N 126.03E 33 4.8b,3.7s **¶12078588**
ISCJB XII 22 18 50 11.6–.48 5.17N–.03 125.93E–.08 115–6 3.4b,3.7s
IDC XII 22 18 50 12.4–2.7 5.15N 125.70E 104–39 3.4,3.3s
NEIC XII 22 18 50 13.2–2.0 5.16N 125.69E 109–30 3.4,3.3s
DJA XII 22 18 50 18 4.77N 125.92E 122 4.3,3.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=5.0km az=179.1.
IDC Error ellipse: s-maj=109.6km s-min=18.0km az=71.0.
NEIC Event type se. Error ellipse: s-maj=103.6km s-min=13.0km az=68.0.
ISC XII 23 13 11 55.6–.43 8.87N–.02 126.89E–.03 66–3 4.8b 321 1-145
MOS XII 23 13 11 50.0–1.0 8.74N 126.66E 33 5.1b **¶11518363**
MAN XII 23 13 11 51 8.94N 127.12E 52 5.5b,4.9s
ISCJB XII 23 13 11 53.7–.48 8.90N–.02 126.94E–.03 65–4 4.8b,4.9s
DJA XII 23 13 11 53 9.25N 127.21E 53 5.0b,4.9s
IDC XII 23 13 11 54.9–1.9 8.82N 126.81E 59–17 4.4,4.4
BJI XII 23 13 11 54.1 8.74N 126.79E 74 5.2b,4.8b
NEIC XII 23 13 11 56.4–.87 8.77N 126.73E 75–8 5.1b,4.8b
ISC Event type se.
MOS Error ellipse: s-maj=12.4km s-min=5.8km az=114.8.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.4km az=154.7.
IDC Error ellipse: s-maj=18.5km s-min=8.7km az=71.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.0km az=60.0.
ISC XII 23 15 02 27.5–1.1 8.87N–.05 126.92E–.09 62–9 4.3b 82 2-121
MAN XII 23 15 02 21 8.97N 127.27E 53 5.2b,4.4s **¶11518366**
ISCJB XII 23 15 02 25.3–1.1 8.91N–.05 126.99E–.08 60–9 4.3b,4.4s
IDC XII 23 15 02 28.8–3.4 8.81N 126.81E 71–31 4.2L,3.9
NEIC XII 23 15 02 29.2–1.6 8.82N 126.77E 76–15 4.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=6.0km az=159.8.
IDC Error ellipse: s-maj=33.3km s-min=13.1km az=70.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=6.3km az=59.0.
MAN XII 23 21 24 12 8.35N 124.66E 33 3.5b,2.2L

¶13762335

MAN XII 23 23 41 38 6.44N 125.53E 24 4.6b,3.4L

¶13762336

MAN XII 24 08 32 29 7.77N 122.19E 31 4.1b,2.9L

¶13762338

ISC XII 24 23 56 54.1–.44 8.48N–.02 126.51E–.04 84–4 4.8b 271 2-164
IDC XII 24 23 56 49.4–1.4 8.58N 126.63E 44–12 4.6,4.6 **¶11518766**
MAN XII 24 23 56 49 8.44N 126.74E 108 5.6b,4.9s
ISCJB XII 24 23 56 52.7–.47 8.49N–.02 126.54E–.04 88–4 4.8b,4.9s
MOS XII 24 23 56 52.3–1.2 8.57N 126.46E 81 5.0b,4.9s
NEIC XII 24 23 56 54.8–.92 8.41N 126.44E 91–8 5.0b,4.9s
DJA XII 24 23 56 54 8.16N 126.65E 10 5.1b,4.9s
BJI XII 24 23 56 58.2 9.13N 126.27E 88 4.9b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=18.2km s-min=9.1km az=75.0.
MAN Event type fe. INTENSITY II - BISLIG CITY; BUTUAN CITY.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=3.4km az=159.9.
MOS Error ellipse: s-maj=12.8km s-min=6.3km az=118.8.
NEIC Event type fe. Error ellipse: s-maj=8.0km s-min=5.2km az=69.0. Felt [II PIVS] at Bislig and Butuan. Also felt at Davao.
MAN XII 25 01 29 51 8.67N 126.91E 117 4.6b,3.5L

¶13762347

ISC XII 25 03 20 29.6–.09 5.78N–.01 125.52E–.02 209 5.9b 1051 1-171
BJI XII 25 03 20 25.6 5.50N 125.68E 207 6.2b,6.0b **¶13814040**
ISCJB XII 25 03 20 27.8–.09 5.77N–.01 125.52E–.02 207 5.9b,6.0b
NEIC XII 25 03 20 29.4–.11 5.75N 125.38E 206 6.3W,6.3W
IDC XII 25 03 20 29.5–.30 5.72N 125.46E 206–2 5.6,5.6
MAN XII 25 03 20 29 5.72N 125.63E 196 6.4b,6.3s
DJA XII 25 03 20 30 5.74N 125.66E 211 6.4W,6.3s
GCMT XII 25 03 20 30.2–.10 5.74N 125.66E 198–0 6.3W,6.3s
MOS XII 25 03 20 30.4–.86 5.72N 125.46E 233 6.0b,6.3s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=169.2.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=3.4km az=64.0. Felt [V PIVS] at General Santos; [IV PIVS] at Banga, Davao, Koronadal, Malita, Surallah and Tagum; [III PIVS] at Alabel, Bislig, Cotabato, Digos, Kidapawan, Makilala and Matalam; [II PIVS] at Kabacan, Nabunturan, Perez, Pikit and Tarragona. Also felt at Mati and Santa Cruz. Felt [III] on Pulau Ternate and at Naha and Tahuna, Pulau Sangihe, Indonesia. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s5.00000°,δ70.00000°,λ90.00000°. NP2:ϕ_s185.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm275.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm95.0000° Moment Tensor Solution. s88 Moment tensor: Scale 10^{18}Nm; M_{rr}1.66 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.71 $M_{r\theta}$-0.21 $M_{\theta\phi}$-0.19 $M_{\theta r}$2.52 Best double couple: NP1:ϕ_s357.00000°,δ73.00000°,λ84.00000°. NP2:ϕ_s196.00000° ,δ18.00000°,λ108.00000°. Principal axes: T 3.0300,Plg61.0000°,Azm258.0000° ; N 0.0200,Plg5.0000°,Azm358.0000°; P -3.0600,Plg28.0000°,Azm91.0000° $M_0$3.00000×10^{18}

IDC Error ellipse: s-maj=6.6km s-min=4.0km az=69.0.
MAN Event type fe. Intensity V - General Santos City Intensity IV - Davao City; Marbel City(Koronadal City); Banga.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 106 sta. Surface waves: sta=127, comp=312, per= 50. Moment Tensor Solution. s122,c309; s99,c181; Moment tensor: Scale 10^{18}Nm; M_{rr}1.45±.02 $M_{\theta\theta}$-0.33±.02; $M_{\phi\phi}$-1.12±.02; $M_{r\theta}$-0.38±.01; $M_{\theta\phi}$-0.71±.02; $M_{\phi r}$3.12±.02; Best double couple: NP1:ϕ_s228.00000°,δ17.00000°,λ139.00000°. NP2:ϕ_s358.00000°,δ79.00000°,λ77.00000°. Principal axes: T 3.6700,Plg54.0000° ,Azm252.0000°; N -0.4000,Plg13.0000°,Azm1.0000°; P -3.2600,Plg33.0000°,Azm99.0000° M_o3.50000×10^{18}
MOS Error ellipse: s-maj=10.8km s-min=6.2km az=106.5.

ISC	**XII**	**25 18 12 07.3–.14**	**5.35N–.01**	**124.30E–.02**	**431–1**	**5.5b**	**746**	**1-172**
SZGRF	XII	25 18 11 36.5	7.73N	122.55E	33	5.9b		¶13403989
BJI	XII	25 18 12 02.3	4.84N	124.55E	434	5.3b,4.9b		
MOS	XII	25 18 12 05.8–.88	5.35N	124.22E	425	5.6b,4.9b		
MAN	XII	25 18 12 05	5.23N	124.41E	433	5.9b,5.4s		
DJA	XII	25 18 12 06	5.40N	124.32E	434	5.4W,5.4s		
ISCJB	XII	25 18 12 06.3–.15	5.33N–.01	124.31E–.02	435–1	5.5b,5.4s		
GCMT	XII	25 18 12 07.5–.30	5.39N	124.27E	421–2	5.4W,5.4s		
IDC	XII	25 18 12 07.5–.45	5.28N	124.27E	430–4	5.0b,5.0		
NEIC	XII	25 18 12 07.4–.37	5.32N	124.26E	432–4	5.6b,5.0		

ISC Event type se.
SZGRF Mindanao, Philippine Islands.
MOS Error ellipse: s-maj=8.9km s-min=4.3km az=120.4.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.3km az=178.8.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s65,c95; s14,c14; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.35±.04 $M_{\theta\theta}$0.05±.06; $M_{\phi\phi}$0.30±.06; $M_{r\theta}$0.06±.07; $M_{\theta\phi}$0.42±.05; $M_{\phi r}$-1.33±.05; Best double couple: NP1:ϕ_s249.00000°,δ18.00000°,λ-23.00000°. NP2:ϕ_s1.00000°,δ83.00000°,λ-107.00000°. Principal axes: T 1.4100,Plg36.0000° ,Azm105.0000°; N 0.0500,Plg17.0000°,Azm3.0000°; P -1.4600,Plg49.0000°,Azm252.0000° M_o1.40000×10^{17}
IDC Error ellipse: s-maj=9.1km s-min=5.6km az=67.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.3km az=61.0.

ISC	**XII**	**27 01 06 49.6–.57**	**5.75N–.07**	**125.88E–.10**	**154–4**	**4.0b**	**57**	**1-121**
MAN	XII	27 01 06 47	5.58N	125.94E	160	4.9b,3.9s		¶12079118
ISCJB	XII	27 01 06 48.5–.56	5.76N–.07	125.9E–.10	162–4	4.0b,3.9s		
IDC	XII	27 01 06 50.2–.72	5.81N	125.91E	162–6	3.5,3.4b		
NEIC	XII	27 01 06 50.1–.59	5.87N	126.05E	164–5	4.0b,3.4b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=9.6km az=153.8.
IDC Error ellipse: s-maj=45.7km s-min=10.2km az=70.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=5.0km az=60.0.

IDC	**XII**	**27 10 28 24.2–2.1**	**7.75N**	**125.57E**	**0**	**3.8,3.6b**	
							¶12079161

IDC Error ellipse: s-maj=103.1km s-min=22.2km az=58.0.

MAN	**XII**	**27 17 16 48**	**7.25N**	**123.56E**	**21**	**4.0b,2.8L**	
							¶13762355
ISC	**XII**	**27 22 59 01.3–1.0**	**6.0N–.30**	**126.1E–.40**	**145–15**	**3.4b**	**7** **1-55**
IDC	XII	27 22 58 45.7–2.3	5.84N	125.46E	0	3.7,3.5b	¶12079222
ISCJB	XII	27 22 58 60.0–1.0	6.0N–.30	126.1E–.50	153–16	3.4b,3.5b	
ISC	**XII**	**28 04 48 23.6–1.2**	**5.72N–.10**	**126.5E–.10**	**92–14**	**3.5b**	**12** **1-59**
IDC	XII	28 04 48 12.2–1.6	5.63N	125.67E	0	3.7,3.6	¶12079239
ISCJB	XII	28 04 48 22.6–1.1	5.73N–.10	126.5E–.10	107–13	3.5b,3.6	
MAN	XII	28 04 48 23	5.87N	126.74E	95	4.9b,3.9s	

IDC Error ellipse: s-maj=160.8km s-min=21.6km az=67.0.
ISCJB Error ellipse: s-maj=22.8km s-min=16.0km az=2.0.

MAN	**XII**	**28 06 53 50**	**9.31N**	**125.65E**	**9**	**3.9b,2.7L**	
							¶13762362
MAN	**XII**	**28 09 34 24**	**7.46N**	**122.95E**	**40**	**4.1b,2.9L**	
							¶13762363
MAN	**XII**	**28 12 03 39**	**6.20N**	**124.76E**	**31**	**4.2b,3.1L**	
							¶13762364
MAN	**XII**	**28 14 58 43**	**6.08N**	**126.27E**	**159**	**4.5b,3.3L**	
							¶13762365
MAN	**XII**	**28 20 05 50**	**7.58N**	**124.75E**	**1**	**4.1b,2.9L**	
							¶13762367
ISC	**XII**	**29 05 54 55.4–1.1**	**5.61N–.08**	**125.38E–.08**	**50–11**	**3.7b**	**25** **1-84**
IDC	XII	29 05 54 49.1–1.2	5.50N	125.01E	0	3.6,3.4b	¶12079363
NEIC	XII	29 05 54 53.8–.63	5.55N	125.12E	35	3.8b,3.4b	
ISCJB	XII	29 05 54 54.3–.94	5.61N–.08	125.37E–.08	63–10	3.7b,3.4b	
MAN	XII	29 05 54 59	5.86N	125.28E	30	4.8b,3.8s	

ISC Event type se.
IDC Error ellipse: s-maj=77.0km s-min=24.1km az=71.0.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=11.4km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=12.3km az=135.8.

MAN	**XII**	**29 14 48 47**	**8.99N**	**123.62E**	**94**	**3.7b,2.5L**	
							¶13762377
ISC	**XII**	**30 03 20 56.0–.27**	**5.44N–.02**	**125.81E–.03**	**134–2**	**5.0b**	**414** **2-170**
BJI	XII	30 03 20 50.1	4.93N	125.89E	133	5.0b,4.9b	¶13404381
MAN	XII	30 03 20 54	5.33N	125.67E	112	5.6b,5.0s	
ISCJB	XII	30 03 20 54.9–.28	5.45N–.02	125.81E–.03	139–2	5.0b,5.0s	
GCMT	XII	30 03 20 55.9–.20	5.37N	125.80E	137–1	5.1W,5.0s	
IDC	XII	30 03 20 55.6–.86	5.42N	125.52E	134–7	4.8,4.8	
NEIC	XII	30 03 20 56.6–.67	5.42N	125.71E	141–6	5.2b,4.8	
MOS	XII	30 03 20 56.1–1.3	5.40N	125.63E	152	5.1b,4.8	
DJA	XII	30 03 20 56.4–.30	5N–3.0	126E–2.0	125–3	5.9,5.7b	

ISC Event type fe.
MAN Event type fe. INTENSITY II - BANGA SOUTH COTABATO; TACURONG SULTAN KUDARAT; INTENSITY I - GENERAL SANTOS CITY.
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c65; s87,c132; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.78±.16 $M_{\theta\theta}$1.27±.24; $M_{\phi\phi}$2.51±.29; $M_{r\theta}$2.82±.13; $M_{\theta\phi}$1.97±.18; $M_{\phi r}$3.21±.16; Best double couple: NP1:ϕ_s32.00000°,δ21.00000°,λ-97.00000°. NP2:ϕ_s220.00000°,δ69.00000°,λ-87.00000°. Principal axes: T 5.8400,Plg24.0000° ,Azm308.0000°; N -0.1600,Plg3.0000°,Azm39.0000°; P -5.6900,Plg66.0000°,Azm135.0000° M_o5.80000×10^{16}
NEIC Event type fe. Felt [II PIVS] at Banga, Malita and Tacurong; [I PIVS] at Davao, General Santos, Koronadal and Matan-ao.

IDC	**XII**	**31 06 08 27.1–2.1**	**5.04N**	**126.20E**	**0**	**3.7,3.5b**	
							¶12079629

IDC Error ellipse: s-maj=255.1km s-min=23.8km az=64.0.

ISC	**XII**	**31 09 01 48.6–1.3**	**5.9N–.10**	**126.7E–.20**	**112–13**	**3.5b**	**15**	**1-83**
ISCJB	XII	31 09 01 48.0–1.2	5.9N–.10	126.7E–.30	124–12	3.5b		¶12079641
IDC	XII	31 09 01 49.8–2.0	5.91N	126.69E	124–18	3.9s,3.9		
MAN	XII	31 09 02 04	6.88N	126.12E	22	4.2b,3.0L		

ISCJB Error ellipse: s-maj=45.4km s-min=15.8km az=160.0.
IDC Error ellipse: s-maj=59.4km s-min=13.8km az=69.0.

ISC	**XII**	**31 22 44 10.8–.53**	**9.40N–.03**	**126.21E–.05**	**77–4**	**4.5b**	**193**	**1-121**
MOS	XII	31 22 44 07.7–1.0	9.40N	126.12E	67	5.0b		¶11525196
ISCJB	XII	31 22 44 09.5–.55	9.39N–.03	126.22E–.05	83–4	4.5b		
NEIC	XII	31 22 44 09.3–.75	9.39N	126.09E	62–7	4.8b		
MAN	XII	31 22 44 09	9.37N	126.26E	32	5.2b,4.4s		
IDC	XII	31 22 44 10.8–1.8	9.43N	126.12E	76–18	4.1,4.1		
BJI	XII	31 22 44 15.5	10.29N	125.82E	68	5.1b,4.7b		

ISC Event type se.
MOS Error ellipse: s-maj=15.0km s-min=7.1km az=116.3.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.1km az=166.5.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.8km az=71.0.
IDC Error ellipse: s-maj=19.6km s-min=10.6km az=79.0.

(260) East of Philippine Islands.

IDC	**VII**	**01 05 44 35.5–3.2**	**8.81N**	**128.25E**	**0**	**3.9,3.8b**	
							¶12697910

IDC Error ellipse: s-maj=278.9km s-min=20.1km az=69.0.

SEISMIC REGION 23.
Borneo-Sulawesi.

(262) Celebes Sea.

DJA	**VII**	**09 14 32 03**	**4.93N**	**124.72E**	**20**	**4.0**	
							¶12921809

IDC	**VII**	**12 09 12 43.3–11**	**4.23N**	**123.76E**	**627–210**	**2.8b,2.8**	
							¶12698158

IDC Error ellipse: s-maj=290.8km s-min=48.7km az=67.0.

NEIC	**VII**	**12 20 51 20.0–4.0**	**3.00N**	**122.81E**	**573–57**	**3.8b**	
IDC	VII	12 20 51 20.5–9.9	2.99N	122.84E	580–159	2.8,2.6b	¶11811400

NEIC Event type se. Error ellipse: s-maj=63.4km s-min=10.6km az=56.0.
IDC Error ellipse: s-maj=87.0km s-min=34.1km az=75.0.

IDC	**VIII**	**26 20 12 31.9–1.6**	**2.16N**	**121.94E**	**0**	**3.6,3.4b**	
							¶12581442

IDC Error ellipse: s-maj=268.0km s-min=25.3km az=61.0.

ISC	**VIII**	**27 06 04 33.3–.57**	**2.02N–.05**	**124.96E–.06**	**193–4**	**3.9b**	**19**	**1-124**
IDC	VIII	27 06 04 28.2–8.2	2.13N	124.82E	143–75	3.7,3.6b		¶12581454
ISCJB	VIII	27 06 04 32.2–.57	2.03N–.05	124.96E–.06	199–4	3.9b,3.6b		
DJA	VIII	27 06 04 34	2.00N	125.00E	173	4.0,3.6b		

IDC Error ellipse: s-maj=61.3km s-min=17.6km az=63.0.
ISCJB Error ellipse: s-maj=10.7km s-min=8.5km az=154.6.

IDC	**VIII**	**28 09 49 22.2–2.2**	**4.62N**	**124.30E**	**0**	**4.1,4.0b**	
							¶12581497

IDC Error ellipse: s-maj=279.8km s-min=22.9km az=63.0.

DJA	**IX**	**03 08 58 01**	**2.18N**	**123.52E**	**211**	**4.3**	
							¶12922507
ISC	**IX**	**05 03 12 44.4–1.5**	**4.2N–.10**	**122.8E–.20**	**587–19**	**4.2b**	**30** **7-119**
ISCJB	IX	05 03 12 43.4–1.5	4.2N–.10	122.8E–.20	596–20	4.2b	¶11909508
NEIC	IX	05 03 12 44.5–1.1	4.19N	122.75E	590–14	4.1b	
IDC	IX	05 03 12 45.4–1.6	4.26N	122.99E	604–20	3.7,3.6b	

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.1km s-min=8.5km az=150.4.
NEIC Event type se. Error ellipse: s-maj=31.6km s-min=6.3km az=58.0.
IDC Error ellipse: s-maj=140.4km s-min=8.0km az=64.0.

ISC	**IX**	**05 03 50 12.2–.22**	**4.22N–.03**	**122.87E–.04**	**590–3**	**4.5b**	**147**	**3-164**
BJI	IX	05 03 50 10.8	4.19N	123.06E	603	4.5b,4.5b		¶11232746
ISCJB	IX	05 03 50 11.3–.22	4.23N–.03	122.88E–.04	599–3	4.5b,4.5b		
IDC	IX	05 03 50 12.5–.66	4.26N	122.98E	598–7	3.8,3.7b		
NEIC	IX	05 03 50 12.1–.43	4.21N	122.81E	593–6	4.3b,3.7b		
DJA	IX	05 03 50 12	4.24N	122.87E	591	4.9b,3.7b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.5km az=164.0.
IDC Error ellipse: s-maj=12.7km s-min=6.1km az=77.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.5km az=70.0.

IDC	**IX**	**07 20 15 42.4–9.5**	**2.79N**	**123.40E**	**586–151**	**3.0b,3.0**	
							¶11909749

IDC Error ellipse: s-maj=80.8km s-min=31.0km az=67.0.

ISC	**IX**	**13 20 49 25.6–.86**	**3.4N–.10**	**124.80E–.10**	**307–7**	**3.3b**	**17**	**2-57**
IDC	IX	13 20 48 54.9–1.2	3.68N	124.57E	0	3.8,3.7		¶11910205
ISCJB	IX	13 20 49 24.5–.88	3.5N–.10	124.79E–.10	314–8	3.3b,3.7		
DJA	IX	13 20 49 25	3.46N	124.83E	303	4.1,3.7		

IDC Error ellipse: s-maj=104.5km s-min=18.9km az=70.0.
ISCJB Error ellipse: s-maj=19.8km s-min=10.9km az=44.2.

IDC	**IX**	**14 18 29 33.1–1.2**	**2.01N**	**123.99E**	**0**	**3.6,3.4b**	
							¶11910281

IDC Error ellipse: s-maj=63.5km s-min=20.2km az=72.0.

IDC	**IX**	**21 16 46 52.2–1.9**	**4.01N**	**124.92E**	**0**	**3.6,3.4b**	
							¶11910775

IDC Error ellipse: s-maj=124.6km s-min=24.2km az=68.0.

ISC	**IX**	**23 09 24 09.3–1.2**	**2.62N–.08**	**123.88E–.08**	**35**	**3.6b**	**10**	**2-57**
IDC	IX	23 09 24 03.8–1.9	2.82N	124.17E	0	3.9,3.7b		¶11910881
ISCJB	IX	23 09 24 06.7–1.1	2.68N–.08	123.87E–.07	33	3.6b,3.7b		
DJA	IX	23 09 24 08	2.53N	122.90E	224	4.1,3.7b		

IDC Error ellipse: s-maj=185.6km s-min=27.8km az=63.0.
ISCJB Error ellipse: s-maj=11.6km s-min=10.0km az=147.3.

IDC	**IX**	**23 11 39 28.6–1.3**	**3.52N**	**124.88E**	**0**	**3.6b,3.6**	
							¶11910885

IDC Error ellipse: s-maj=196.4km s-min=22.8km az=70.0.

DJA	**IX**	**24 18 23 50**	**2.24N**	**121.54E**	**10**	**4.3**	
							¶12922666
IDC	**IX**	**26 03 03 24.1–1.9**	**4.30N**	**124.57E**	**410–28**	**3.3,3.3**	
							¶11911064

IDC Error ellipse: s-maj=79.1km s-min=12.9km az=70.0.

IDC	**IX**	**29 18 28 11.5–31**	**5.53N**	**122.83E**	**0**	**4.3,4.1b**	
							¶11911376

IDC Error ellipse: s-maj=549.8km s-min=135.9km az=142.0.

ISC	**IX**	**30 01 03 55.0–.84**	**4.2N–.10**	**123.8E–.20**	**468–10**	**3.9b**	**18**	**2-124**
DJA	IX	30 01 03 35	6.05N	123.62E	537	4.6		¶11911422
ISCJB	IX	30 01 03 53.9–.84	4.2N–.10	123.8E–.20	473–10	3.9b		
NEIC	IX	30 01 03 58.5–2.8	4.11N	123.72E	516–35	4.1b		
IDC	IX	30 01 03 59.1–3.9	4.12N	123.73E	523–50	3.5,3.4b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=38.1km s-min=13.4km az=153.0.
NEIC Event type se. Error ellipse: s-maj=53.0km s-min=12.3km az=63.0.
IDC Error ellipse: s-maj=66.7km s-min=13.6km az=67.0.

DJA	**X**	**01 20 18 37**	**2.39N**	**120.40E**	**50**	**4.2**	
							¶12922715
IDC	**X**	**18 14 22 41.0–2.2**	**4.49N**	**123.34E**	**0**	**3.8,3.6b**	
							¶12068978

IDC Error ellipse: s-maj=306.2km s-min=24.3km az=63.0.

DJA	**X**	**21 06 20 56**	**2.07N**	**124.11E**	**232**	**4.3**	
							¶12922856

ISC	**X**	**25 00 16 59.4–3.3**	**2.4N–.20**	**122.1E–.20**	**627–54**	**4.1b**	**38**	**21-72**
ISCJB	X	25 00 16 57.9–2.7	2.4N–.20	122.1E–.20	634–48	4.1b		¶12071041
NEIC	X	25 00 16 57.7–3.3	2.50N	122.10E	602–51	3.6b		
IDC	X	25 00 17 00.4–6.7	2.41N	122.15E	649–126	3.2b,3.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.3km s-min=17.6km az=142.9.
NEIC Event type se. Error ellipse: s-maj=33.6km s-min=11.1km az=48.0.
IDC Error ellipse: s-maj=84.0km s-min=22.1km az=89.0.

ISC	**X**	**25 01 38 30.1–.53**	**2.9N–.10**	**122.3E–.30**	**550**	**3.8b**	**31**	**21-119**
ISCJB	X	25 01 38 28.5–.54	2.9N–.10	122.3E–.30	550	3.8b		¶12071048
IDC	X	25 01 38 30.6–2.2	2.89N	122.28E	554–29	3.3,3.2b		
NEIC	X	25 01 38 31.2–2.2	2.86N	122.31E	569–31	3.8b,3.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=38.4km s-min=7.6km az=156.6.
IDC Error ellipse: s-maj=75.8km s-min=11.0km az=66.0.
NEIC Event type se. Error ellipse: s-maj=31.3km s-min=9.0km az=69.0.

IDC	**X**	**26 03 07 17.4–1.8**	**4.51N**	**123.10E**	**0**	**4.1,3.9**	
							¶12071123

IDC Error ellipse: s-maj=145.8km s-min=24.8km az=66.0.

IDC	**X**	**26 17 20 33.9–26**	**4.22N**	**123.23E**	**0**	**4.1,3.9b**	
							¶12071172

IDC Error ellipse: s-maj=469.8km s-min=126.1km az=134.0.

DJA	**X**	**30 00 17 35**	**3.99N**	**124.97E**	**69**	**4.2**	
							¶12922916
IDC	**XI**	**01 12 18 04.1–1.9**	**3.59N**	**123.50E**	**0**	**4.0,3.8b**	
							¶12071849

IDC Error ellipse: s-maj=288.0km s-min=23.5km az=62.0.

IDC	**XI**	**01 23 01 26.9–2.2**	**3.04N**	**124.00E**	**0**	**3.5,3.3b**	
							¶12071921

IDC Error ellipse: s-maj=300.7km s-min=25.6km az=63.0.

ISC	**XI**	**02 21 59 16.2–.21**	**2.93N–.03**	**121.80E–.04**	**601–3**	**4.6b**	**191**	**2-118**
ISCJB	XI	02 21 59 15.4–.22	2.92N–.04	121.80E–.04	613–3	4.6b		¶12072036
MOS	XI	02 21 59 15.7–.76	2.94N	121.83E	622	4.4b		
IDC	XI	02 21 59 16.5–.77	2.91N	121.79E	607–9	3.7,3.7		
NEIC	XI	02 21 59 16.3–.42	2.90N	121.76E	607–6	5.0b,3.7		
DJA	XI	02 21 59 16	3.06N	121.83E	588	4.4b,3.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.3km az=138.7.
MOS Error ellipse: s-maj=19.5km s-min=8.2km az=124.0.
IDC Error ellipse: s-maj=14.3km s-min=6.6km az=64.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.3km az=57.0.

IDC	**XI**	**08 06 04 10.0–1.3**	**4.74N**	**122.82E**	**0**	**3.9,3.7b**	
							¶12072790

IDC Error ellipse: s-maj=88.3km s-min=21.8km az=63.0.

IDC XI 11 07 35 58.0–2.5 4.85N 123.55E 0 3.7,3.5 ¶12073148

IDC Error ellipse: s-maj=337.6km s-min=26.4km az=63.0.

IDC XI 15 22 11 25.4–4.3 4.25N 123.37E 614–73 3.1,3.0b ¶12073673

IDC Error ellipse: s-maj=158.4km s-min=16.8km az=69.0.

IDC XI 16 12 50 39.6–1.2 2.63N 123.80E 0 3.4,3.3b ¶12073748

IDC Error ellipse: s-maj=70.3km s-min=21.6km az=71.0.

DJA XI 16 18 51 47 2.75N 121.46E 10 3.8 ¶12923057

ISC XI 18 05 46 56.0–.20 4.80N–.02 124.93E–.03 320–2 4.6b 358 1-163
BJI XI 18 05 46 52.5 4.59N 125.06E 322 4.9b,4.7b **¶11457632**
MAN XI 18 05 46 54 4.61N 124.84E 314 5.5b,4.8s
ISCJB XI 18 05 46 55.0–.20 4.79N–.02 124.92E–.03 326–2 4.6b,4.8s
MOS XI 18 05 46 55.8–1.1 4.79N 124.75E 336 4.7b,4.8s
NEIC XI 18 05 46 55.9–.61 4.79N 124.80E 321–6 4.8b,4.8s
IDC XI 18 05 46 56.3–.84 4.75N 124.82E 327–7 4.4,4.4
GCMT XI 18 05 46 57.2–.40 4.79N 124.78E 333–2 5.3W,4.4
DJA XI 18 05 46 57.6–.30 5N–3.0 125E–3.0 293–3 5.7,5.5b
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s44,c62; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s139.00000°,δ49.00000°,λ175.00000°. NP2:ϕ_e232.00000°,δ86.00000°,λ41.00000°. Principal axes: T 1.1500,Plg31.0000°,Azm104.0000°; N -0.1000,Plg49.0000°,Azm237.0000° ; P -1.0500,Plg25.0000°,Azm358.0000° $M_0$1.10000×10^{17}
ISC XI 20 16 28 57.8–.65 2.80N–.08 124.2E–.10 315–7 3.8b 35 2-71
ISCJB XI 20 16 28 57.0–.64 2.80N–.08 124.2E–.10 324–7 3.7b **¶12074281**
NEIC XI 20 16 29 00.9–1.8 2.66N 123.85E 347–21 3.8b
IDC XI 20 16 29 01.7–2.5 2.78N 124.30E 357–26 3.7,3.5b
DJA XI 20 16 29 14 1.79N 124.76E 160 4.3,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=8.6km az=150.2.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=8.5km az=64.0.
IDC Error ellipse: s-maj=71.8km s-min=9.4km az=68.0.
ISC XI 26 04 31 23.1–.49 3.27N–.06 124.7E–.10 302–5 3.9b 42 1-123
ISCJB XI 26 04 31 22.1–.49 3.29N–.06 124.7E–.10 309–5 3.9b **¶12074860**
NEIC XI 26 04 31 22.9–3.5 3.32N 124.71E 300–38 3.9b
IDC XI 26 04 31 26.0–2.5 3.26N 124.71E 334–25 3.6b,3.6
DJA XI 26 04 31 52 0.95N 125.07E 84 4.0,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=8.1km az=163.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=8.1km az=73.0.
IDC Error ellipse: s-maj=33.4km s-min=7.9km az=71.0.
DJA XII 01 15 33 20 2.27N 122.42E 30 3.7 ¶12923250

ISC XII 04 23 13 32.9–.16 3.52N–.02 122.52E–.03 592–2 4.9b 396 3-157
BJI XII 04 23 13 26.8 2.98N 122.77E 590 4.9b,4.9b **¶11492054**
MOS XII 04 23 13 32.5–.94 3.58N 122.55E 608 4.7b,4.9b
ISCJB XII 04 23 13 32.2–.16 3.56N–.02 122.54E–.03 602–2 4.9b,4.9b
IDC XII 04 23 13 33.3–.66 3.60N 122.58E 600–7 4.1b,4.1
DJA XII 04 23 13 33.2–.20 4N–3.0 122E–2.0 588–2 5.5,5.3b
NEIC XII 04 23 13 33.1–.35 3.53N 122.51E 599–4 5.0b,5.3b
ISC Event type se.
MOS Error ellipse: s-maj=13.5km s-min=6.2km az=119.7.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.4km az=166.5.
IDC Error ellipse: s-maj=10.1km s-min=5.8km az=69.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.3km az=55.0.
DJA XII 10 03 41 59 2.24N 121.55E 30 4.2 ¶12923365

IDC XII 10 19 52 29.4–1.5 4.13N 124.89E 0 4.0,3.8b ¶12076786

IDC Error ellipse: s-maj=108.7km s-min=21.3km az=66.0.
ISC XII 11 06 01 16.9–1.8 4.8N–.20 123.2E–.30 583–24 3.8b 25 7-65
ISCJB XII 11 06 01 16.0–1.9 4.8N–.20 123.2E–.30 596–27 3.8b **¶12076851**
NEIC XII 11 06 01 16.1–1.6 4.90N 123.32E 571–21 4.5b
IDC XII 11 06 01 18.2–1.8 4.78N 123.26E 604–21 3.3,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=54.0km s-min=11.1km az=147.2.
NEIC Event type se. Error ellipse: s-maj=41.2km s-min=7.5km az=55.0.
IDC Error ellipse: s-maj=64.2km s-min=8.7km az=63.0.
IDC XII 12 19 00 17.4–15 2.02N 122.56E 411–204 3.1,3.0b ¶12077166

IDC Error ellipse: s-maj=81.3km s-min=30.4km az=64.0.
IDC XII 24 03 40 43.1–1.8 3.23N 123.34E 0 3.7,3.5b ¶12078765

IDC Error ellipse: s-maj=204.3km s-min=25.8km az=63.0.
IDC XII 28 10 03 23.4–2.1 3.44N 123.83E 0 3.9,3.7b ¶12079266

IDC Error ellipse: s-maj=318.8km s-min=24.1km az=63.0.
IDC XII 29 21 20 47.6–10 3.95N 123.15E 557–163 3.1,3.0b ¶12079453

IDC Error ellipse: s-maj=82.6km s-min=29.0km az=65.0.

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ISC VII 09 09 13 03.2–.43 3.52N–.02 127.08E–.04 63–4 4.9b 209 2-160
IDC VII 09 09 12 54.5–.42 3.48N 126.82E 0 4.6,4.6 **¶11108421**
MOS VII 09 09 12 57.8–1.1 3.46N 126.84E 33 5.3b,4.6
GCMT VII 09 09 13 00.8–.30 3.67N 127.08E 25–1 5.0W,4.6
BJI VII 09 09 13 01.1 3.53N 126.82E 42 5.0b,4.8b
ISCJB VII 09 09 13 01.1–.50 3.54N–.02 127.16E–.04 60–4 4.9b,4.2s
NEIC VII 09 09 13 01.7–1.1 3.43N 126.79E 50–10 5.0b,4.2s
DJA VII 09 09 13 07 3.25N 127.18E 67 5.1b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=8.5km az=77.0.
MOS Error ellipse: s-maj=17.6km s-min=7.1km az=107.7.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s19,c23; s61,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}0.39±.19 $M_{\theta\theta}$3.09±.14; $M_{\phi\phi}$-3.48±.15; $M_{r\theta}$-0.85±.27; $M_{\theta\phi}$-1.40±.14; $M_{\phi r}$-0.65±.36; Best double couple: NP1:ϕ_s327.00000°,δ73.00000°,λ2.00000°. NP2:ϕ_e236.00000°,δ88.00000°,λ163.00000°. Principal axes: T 3.5400,Plg13.0000° ,Azm190.0000°; N 0.3800,Plg73.0000°,Azm51.0000°; P -3.9200,Plg11.0000°,Azm283.0000° $M_0$3.70000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.6km az=162.5.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.0km az=76.0.
IDC VII 10 06 12 10.4–.91 3.75N 127.68E 0 4.0,3.9b ¶12698114

IDC Error ellipse: s-maj=95.3km s-min=16.4km az=72.0.
ISC VII 14 13 30 23.5–1.1 4.55N–.08 126.4E–.10 66–11 3.9b 21 2-91
NEIC VII 14 13 30 19.9–.59 4.66N 126.55E 35 4.2b **¶11811559**
IDC VII 14 13 30 21.5–8.1 4.59N 126.44E 47–84 3.9,3.8
ISCJB VII 14 13 30 22.6–1.2 4.57N–.08 126.3E–.10 75–11 3.9b,3.8
MAN VII 14 13 30 22 4.62N 126.36E 113 5.2b,4.3s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.5km s-min=8.3km az=69.0.
IDC Error ellipse: s-maj=46.0km s-min=16.8km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=10.1km az=156.2.
ISC VII 16 16 36 14.0–.76 4.83N–.07 125.3E–.10 35 3.5b 12 1-40
MAN VII 16 16 36 10 4.68N 125.34E 32 5.0b,4.0s **¶12698255**
ISCJB VII 16 16 36 12.2–.76 4.77N–.06 125.3E–.10 33 3.5b,4.0s
IDC VII 16 16 36 12.3–38 4.17N 124.55E 0 3.9,3.7b
ISCJB Error ellipse: s-maj=18.5km s-min=8.1km az=165.3.
IDC Error ellipse: s-maj=633.8km s-min=182.0km az=157.0.
IDC VII 17 18 22 11.9–1.9 2.16N 125.22E 0 3.6,3.4b ¶12698273

IDC Error ellipse: s-maj=124.8km s-min=25.0km az=67.0.
IDC VII 18 00 57 51.0–2.0 3.67N 127.50E 0 3.8,3.6b ¶12698277

IDC Error ellipse: s-maj=159.0km s-min=26.0km az=65.0.
ISC VII 21 15 26 59.2–.47 3.77N–.05 125.8E–.10 108–5 4.0b 36 0-90
ISCJB VII 21 15 26 58.2–.51 3.77N–.05 125.7E–.10 115–5 4.0b **¶11812277**
NEIC VII 21 15 26 58.9–1.1 3.82N 125.62E 103–11 4.2b
DJA VII 21 15 26 58 3.92N 126.47E 22 4.6
IDC VII 21 15 26 58.9–2.5 3.82N 125.65E 100–24 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=5.6km az=162.5.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=7.2km az=73.0.
IDC Error ellipse: s-maj=39.7km s-min=11.5km az=75.0.
ISC VII 23 09 55 09.6–.28 3.91N–.02 126.16E–.03 106–2 4.9b 242 1-161
BJI VII 23 09 55 07.4 3.90N 126.21E 104 5.0b,4.9b **¶11153606**
NEIC VII 23 09 55 08.9–.24 3.92N 126.08E 102 5.1b,4.9b
IDC VII 23 09 55 08.6–.53 3.94N 126.03E 98–4 4.5,4.4
ISCJB VII 23 09 55 08.3–.30 3.91N–.02 126.17E–.03 108–3 4.9b,4.4
MOS VII 23 09 55 08.3–1.1 3.92N 126.06E 113 5.0b,4.4
GCMT VII 23 09 55 10.1–.30 3.99N 126.20E 92–3 5.1W,4.4
DJA VII 23 09 55 11 3.80N 126.19E 102 5.1b,4.4
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.9km s-min=5.3km az=70.0. Felt [III] in Sangihe-Talaud.
IDC Error ellipse: s-maj=15.5km s-min=6.9km az=79.0.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=2.9km az=168.7.
MOS Error ellipse: s-maj=14.5km s-min=6.8km az=112.5.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s31,c34; s58,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}1.09±.20 $M_{\theta\theta}$4.79±.19; $M_{\phi\phi}$-5.88±.25; $M_{r\theta}$1.22±.12; $M_{\theta\phi}$-3.15±.25; $M_{\phi r}$2.29±.19; Best double couple: NP1:ϕ_s149.00000°,δ73.00000°,λ-6.00000°. NP2:ϕ_e241.00000°,δ84.00000°,λ-163.00000°. Principal axes: T 5.7300,Plg8.0000° ,Azm14.0000°; N 1.7600,Plg72.0000°,Azm259.0000°; P -7.4900,Plg16.0000°,Azm106.0000° $M_0$6.60000×10^{16}
ISC VII 24 12 28 34.0–.51 4.43N–.05 125.5E–.10 197–5 3.5b 23 1-85
ISCJB VII 24 12 28 33.0–.50 4.44N–.05 125.5E–.10 203–5 3.5b **¶12698419**
IDC VII 24 12 28 36.4–9.2 4.39N 125.26E 222–93 3.3,3.2b
DJA VII 24 12 28 38 4.05N 125.37E 180 4.9b,3.2b
MAN VII 24 12 29 12 8.18N 124.65E 35 3.9b,2.7L
ISCJB Error ellipse: s-maj=17.9km s-min=6.6km az=168.2.
IDC Error ellipse: s-maj=41.8km s-min=18.5km az=75.0.
ISC VII 25 22 54 24.6–.44 4.00N–.04 126.18E–.09 131–4 3.9b 43 1-98
ISCJB VII 25 22 54 23.5–.44 4.00N–.04 126.19E–.10 138–4 3.9b **¶11812616**
IDC VII 25 22 54 26.2–1.5 3.94N 125.87E 140–14 3.7,3.7
DJA VII 25 22 54 26 3.95N 126.37E 67 4.7,3.7
NEIC VII 25 22 54 26.8–1.0 4.09N 126.15E 152–8 4.0b,3.7
MAN VII 25 22 54 55 6.25N 125.15E 85 4.6b,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=4.7km az=165.3.
IDC Error ellipse: s-maj=53.3km s-min=11.5km az=81.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=7.8km az=82.0.
ISC VII 28 17 40 57.5–1.7 3.64N–.10 126.8E–.10 80–17 3.6b 23 3-74
IDC VII 28 17 40 48.2–.92 3.63N 126.54E 0 3.8,3.7b **¶11812791**
NEIC VII 28 17 40 53.1–.55 3.63N 126.63E 35 3.9b,3.7b
ISCJB VII 28 17 40 55.9–1.8 3.67N–.10 126.8E–.10 84–18 3.6b,3.7b
DJA VII 28 17 40 58 3.51N 126.81E 33 4.0,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=53.7km s-min=16.2km az=70.0.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=7.4km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=11.2km az=139.9.
ISC VII 28 22 17 10.7–.56 4.67N–.03 127.61E–.05 139–5 4.7b 143 3-120
MOS VII 28 22 16 59.1–1.2 4.76N 127.60E 46 5.1b **¶11153892**
ISCJB VII 28 22 17 09.5–.58 4.68N–.03 127.61E–.05 145–5 4.7b
NEIC VII 28 22 17 11.8–.94 4.74N 127.65E 152–9 4.8b
IDC VII 28 22 17 13.3–1.4 4.67N 127.39E 163–12 4.2,4.2
BJI VII 28 22 17 15.6 5.29N 127.19E 151 5.0b,4.7b
DJA VII 28 22 17 15 4.27N 127.49E 171 4.9,4.7b
ISC Event type se.
MOS Error ellipse: s-maj=11.9km s-min=6.4km az=115.5.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.3km az=166.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.9km az=64.0.
IDC Error ellipse: s-maj=22.6km s-min=9.6km az=76.0.
NEIC VII 31 14 46 58.3–.78 2.96N 125.99E 35 4.4b
IDC VII 31 14 46 53.4–1.4 3.04N 126.15E 0 3.8,3.7b **¶11813021**
DJA VII 31 14 47 01 3.09N 126.28E 55 4.5,3.7b
NEIC Event type se. Error ellipse: s-maj=131.0km s-min=10.3km az=67.0.
IDC Error ellipse: s-maj=199.7km s-min=20.8km az=68.0.
DJA VIII 01 17 31 05 3.25N 125.92E 11 4.0 ¶12922144

ISC VIII 04 08 35 13.0–1.1 4.49N–.06 127.59E–.08 145–11 4.4b 55 2-123
BJI VIII 04 08 34 57.7 4.50N 127.70E 15 4.6b,4.5b **¶11652790**
NEIC VIII 04 08 35 11.8–.33 4.54N 127.74E 134 4.6b,4.5b
ISCJB VIII 04 08 35 12.7–.98 4.46N–.05 127.49E–.07 158–10 4.4b,4.5b
IDC VIII 04 08 35 13.7–5.2 4.56N 127.77E 153–49 4.1,4.0
DJA VIII 04 08 35 19 4.16N 127.23E 133 4.9,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.1km az=84.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=7.5km az=152.4.
IDC Error ellipse: s-maj=29.4km s-min=11.4km az=80.0.
ISC VIII 08 00 57 27.0–.82 4.17N–.04 126.85E–.06 69–8 4.4b 75 1-123
IDC VIII 08 00 57 18.1–.69 4.12N 126.87E 0 4.6L,4.4 **¶11159969**
BJI VIII 08 00 57 19.3 3.80N 126.56E 30 4.9s,4.8b
NEIC VIII 08 00 57 23.4–.85 4.16N 126.89E 37–8 4.6b,4.8b
ISCJB VIII 08 00 57 25.2–.81 4.19N–.04 126.85E–.06 69–7 4.4b,4.8b
DJA VIII 08 00 57 27 4.13N 126.73E 30 4.5,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=14.2km az=70.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=6.0km az=153.6.
IDC VIII 08 04 54 19.8–1.4 2.24N 125.89E 0 3.6,3.5b ¶12580974

IDC Error ellipse: s-maj=95.4km s-min=28.5km az=71.0.
MAN VIII 11 18 40 21 4.44N 125.87E 41 4.8b,3.7s ¶13728326

ISC VIII 14 13 51 44.1–1.5 4.47N–.06 127.9E–.10 87–14 3.8b 31 3-90
NEIC VIII 14 13 51 38.5–.52 4.54N 128.04E 35 4.7b **¶11908208**
IDC VIII 14 13 51 39.3–3.3 4.51N 128.01E 41–30 3.8,3.7b
ISCJB VIII 14 13 51 43.0–1.5 4.47N–.06 127.9E–.10 92–14 3.8b,3.7b
DJA VIII 14 13 51 49 4.20N 127.69E 46 4.5b,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=9.4km az=73.0.
IDC Error ellipse: s-maj=42.0km s-min=13.3km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=9.6km az=170.4.
ISC VIII 14 21 26 38.7–.42 3.83N–.02 125.41E–.04 55–4 4.7b,3.4s 153 2-162
IDC VIII 14 21 26 31.1–.50 3.87N 125.44E 0 4.5,4.5L **¶11652933**
BJI VIII 14 21 26 34.6 3.80N 125.30E 35 4.9b,4.7b
ISCJB VIII 14 21 26 37.1–.47 3.81N–.02 125.35E–.04 57–4 4.7b,3.4s
DJA VIII 14 21 26 38 3.65N 125.35E 13 4.8b,3.4s
NEIC VIII 14 21 26 40.6–.81 3.79N 125.30E 76–8 4.7b,3.4s
ISC Event type fe.
IDC Error ellipse: s-maj=27.0km s-min=9.4km az=73.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=3.5km az=177.6.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.3km az=70.0. Felt [III] at Sangir.
IDC VIII 15 21 21 11.2–2.3 4.38N 127.02E 0 3.5,3.4b ¶12581116

IDC Error ellipse: s-maj=172.7km s-min=28.3km az=66.0.
ISC VIII 21 11 21 34.1–2.0 4.8N–.10 127.0E–.10 63–21 3.8b 16 2-84
IDC VIII 21 11 21 26.5–.80 4.91N 127.57E 0 4.1,3.9 **¶12581260**
ISCJB VIII 21 11 21 32.3–2.2 4.8N–.10 127.1E–.10 61–21 3.8b,3.9
DJA VIII 21 11 21 35 4.61N 126.96E 24 4.4,3.9
IDC Error ellipse: s-maj=49.3km s-min=15.5km az=79.0.
ISCJB Error ellipse: s-maj=23.4km s-min=11.9km az=144.4.
IDC VIII 26 06 35 52.9–1.7 3.92N 126.91E 0 3.8,3.7b ¶12581427

IDC Error ellipse: s-maj=81.6km s-min=19.9km az=62.0.
IDC VIII 29 10 57 08.2–2.7 4.07N 125.44E 0 3.6,3.5b ¶12581542

IDC Error ellipse: s-maj=287.5km s-min=27.0km az=65.0.

IDC VIII 29 18 58 27.5–1.1 4.16N 126.48E 0 3.6,3.5 ¶12581551
IDC Error ellipse: s-maj=51.2km s-min=17.1km az=71.0.
IDC VIII 29 20 06 47.1–2.3 3.22N 127.99E 0 3.4,3.2b ¶12581552
IDC Error ellipse: s-maj=161.3km s-min=26.6km az=67.0.
ISC VIII 31 11 20 03.6–.63 4.70N–.07 126.0E–.10 174–5 3.8b 27 1-150
ISCJB VIII 31 11 20 02.5–.65 4.71N–.07 126.0E–.10 180–5 3.8b **¶11909164**
NEIC VIII 31 11 20 05.1–3.5 4.82N 126.02E 193–34 4.2b
IDC VIII 31 11 20 05.8–2.6 4.69N 125.74E 192–23 3.6,3.5b
DJA VIII 31 11 20 07 3.76N 124.60E 150 4.8,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=6.4km az=156.5.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=8.2km az=56.0.
IDC Error ellipse: s-maj=35.9km s-min=10.3km az=71.0.
ISC IX 01 17 19 11.9–.12 4.52N–.02 126.16E–.02 112 5.6b 614 2-167
MOS IX 01 17 19 10.3–1.1 4.63N 126.05E 103 5.6b,4.5s **¶13393148**
ISCJB IX 01 17 19 10.2–.12 4.54N–.02 126.16E–.02 109 5.6b,4.5s
BJI IX 01 17 19 10.0 4.35N 126.16E 123 5.4b,5.3b
IDC IX 01 17 19 11.7–.53 4.55N 126.08E 106–4 5.2,5.2
NEIC IX 01 17 19 11.7–.12 4.54N 126.04E 109 5.7b,5.5W
GCMT IX 01 17 19 12.3–.10 4.59N 126.17E 114–1 5.6W,5.5W
SZGRF IX 01 17 19 12.6 4.60N 126.10E 114 5.6W,5.5W
TEH IX 01 17 19 13.0 4.57N 126.15E 122 5.6W,5.5W
MAN IX 01 17 19 13 4.53N 126.03E 102 6.0b,5.6s
DJA IX 01 17 19 13 4.52N 126.23E 124 5.9W,5.6s
ISC Event type fe.
MOS Error ellipse: s-maj=8.0km s-min=4.7km az=108.6.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=4.0.
IDC Error ellipse: s-maj=11.8km s-min=8.7km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.5km az=65.0. Felt [II] on Pulau Sangihe. Moment Tensor Solution. s34 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.11 $M_{\theta\theta}$0.13 $M_{\phi\phi}$0.97 $M_{r\theta}$-0.75 $M_{\theta\phi}$-0.21 $M_{\phi r}$2.09 Best double couple: NP1:ϕ_s161.00000°,δ77.00000°,λ-92.00000°. NP2:ϕ_s351.00000°,δ13.00000°,λ-80.00000°. Principal axes: T 2.4200,Plg32.0000° ,Azm252.0000°; N 0.0900,Plg2.0000°,Azm161.0000°; P -2.5100,Plg57.0000°,Azm67.0000° M_o2.50000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=199, per= 50. Moment Tensor Solution. s100,c184; s19,c19; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.78±.04 $M_{\theta\theta}$-0.47±.04; $M_{\phi\phi}$1.25±.04; $M_{r\theta}$-1.15±.02; $M_{\theta\phi}$-0.36±.04; $M_{\phi r}$2.22±.03; Best double couple: NP1:ϕ_s17.00000°,δ15.00000°,λ-46.00000°. NP2:ϕ_s152.00000°,δ79.00000°,λ-100.00000°. Principal axes: T 2.9400,Plg34.0000°,Azm251.0000°; N -0.4100,Plg10.0000°,Azm154.0000° ; P -2.5200,Plg54.0000°,Azm49.0000° M_o2.70000×10^{17}
SZGRF Talaud Islands, Indonesia.
IDC IX 03 20 25 14.0–11 4.09N 127.13E 149–111 3.3,3.2b ¶11909401
IDC Error ellipse: s-maj=149.7km s-min=21.7km az=64.0.
IDC IX 04 04 27 49.9–7.0 3.12N 127.50E 0 3.8,3.6 ¶11909433
IDC Error ellipse: s-maj=116.5km s-min=96.7km az=127.0.
IDC IX 05 17 07 57.5–2.1 3.94N 127.09E 0 3.4,3.2b ¶11909541
IDC Error ellipse: s-maj=164.0km s-min=25.6km az=66.0.
ISC IX 06 15 10 51.1–.69 4.03N–.08 127.7E–.10 100 4.0b 12 18-58
ISCJB IX 06 15 10 49.1–.71 4.08N–.08 127.7E–.10 100 4.0b **¶11909612**
NEIC IX 06 15 10 50.6–.77 4.08N 127.77E 100 4.2b
IDC IX 06 15 10 51.2–3.3 4.12N 127.88E 106–31 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=10.8km az=163.6.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=10.3km az=64.0.
IDC Error ellipse: s-maj=43.9km s-min=12.9km az=71.0.
ISC IX 07 04 58 53.1–.44 4.71N–.03 126.57E–.06 96–4 4.4b 93 1-122
MAN IX 07 04 58 44 4.18N 126.72E 32 5.3b,4.6s **¶11245831**
IDC IX 07 04 58 49.0–2.4 4.76N 126.52E 61–21 4.1,4.0
ISCJB IX 07 04 58 51.9–.45 4.70N–.03 126.58E–.06 102–4 4.4b,4.0
NEIC IX 07 04 58 52.7–.88 4.69N 126.51E 97–8 4.6b,4.0
DJA IX 07 04 58 55 4.51N 126.50E 100 4.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=12.3km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.2km az=171.7.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=4.6km az=75.0.
ISC IX 11 09 28 16.6–.61 4.20N–.03 126.37E–.06 47–6 4.5b,3.5s 103 1-122
IDC IX 11 09 28 12.7–3.3 4.24N 126.23E 17–20 4.4,4.3 **¶13394068**
MOS IX 11 09 28 13.4–1.3 4.24N 126.20E 33 4.8b,4.3
MAN IX 11 09 28 14 4.18N 126.38E 84 5.0b,4.1s
BJI IX 11 09 28 14.4 4.30N 126.30E 35 4.9b,4.7b
NEIC IX 11 09 28 15.0–.28 4.25N 126.25E 35 4.7b,4.7b
ISCJB IX 11 09 28 15.0–.66 4.21N–.03 126.39E–.06 50–6 4.5b,3.5s
DJA IX 11 09 28 20 3.85N 126.35E 30 4.8b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=12.5km az=76.0.
MOS Error ellipse: s-maj=25.6km s-min=10.1km az=108.2.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=5.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=4.1km az=174.9.
DJA IX 11 13 27 35 2.82N 125.90E 13 3.5 ¶12922574
ISC IX 12 02 13 27.8–.78 3.02N–.04 127.08E–.06 85–7 4.7b 135 2-93
MOS IX 12 02 13 20.7–.91 3.07N 126.93E 33 4.9b **¶11280306**
BJI IX 12 02 13 22.3 2.41N 127.35E 98 4.9b,4.8b
DJA IX 12 02 13 25 3.21N 127.49E 62 4.9b,4.8b
IDC IX 12 02 13 25.1–2.5 3.05N 127.03E 58–21 4.2,4.2
ISCJB IX 12 02 13 26.2–.85 3.06N–.04 127.09E–.06 85–8 4.7b,4.2
NEIC IX 12 02 13 28.2–1.9 3.07N 127.09E 89–19 4.6b,4.2
ISC Event type se.
MOS Error ellipse: s-maj=21.1km s-min=8.3km az=119.7.
IDC Error ellipse: s-maj=26.4km s-min=9.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=5.5km az=162.3.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.2km az=69.0.
DJA IX 12 18 36 24 3.39N 126.35E 141 4.2 ¶12922589
IDC IX 13 05 59 35.2–.88 4.06N 126.30E 0 3.9,3.8b ¶11910158
IDC Error ellipse: s-maj=62.8km s-min=16.5km az=76.0.
IDC IX 15 02 09 26.1–2.1 5.00N 127.68E 0 3.9,3.7b ¶11910305
IDC Error ellipse: s-maj=114.7km s-min=23.9km az=70.0.
ISC IX 17 06 09 03.4–1.1 4.32N–.10 126.1E–.10 135–9 3.8b 21 1-62
NEIC IX 17 06 08 53.0–.64 4.47N 125.96E 35 4.2b **¶11910457**
ISCJB IX 17 06 09 01.7–1.1 4.36N–.09 126.2E–.10 139–9 3.8b
IDC IX 17 06 09 03.2–9.7 4.25N 125.81E 134–96 3.7,3.5b
DJA IX 17 06 09 11 3.84N 125.93E 100 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=9.4km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=9.5km az=150.2.
IDC Error ellipse: s-maj=61.4km s-min=19.2km az=75.0.
ISC IX 19 13 56 27.2–1.0 4.7N–.10 126.5E–.20 105–9 4.0b 21 2-91
IDC IX 19 13 56 14.8–.76 4.87N 126.68E 0 4.3,4.2 **¶11910625**
NEIC IX 19 13 56 19.8–.46 4.79N 126.47E 35 4.1b,4.2
ISCJB IX 19 13 56 26.2–1.1 4.7N–.10 126.4E–.20 111–9 4.0b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 20 19 03 21.2–.81 3.05N–.04 127.67E–.08 88–7 4.1b 60 2-121
DJA IX 20 19 02 56 4.82N 128.76E 114 4.8b **¶11910723**
NEIC IX 20 19 03 19.8–1.3 3.00N 127.69E 78–13 4.4b
ISCJB IX 20 19 03 20.4–.85 3.04N–.04 127.62E–.07 99–8 4.1b
IDC IX 20 19 03 21.8–2.1 2.94N 127.53E 91–19 3.9,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=6.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=6.1km az=173.4.
IDC Error ellipse: s-maj=26.3km s-min=9.3km az=77.0.
ISC IX 21 19 48 44.1–2.5 3.6N–.20 126.3E–.10 132–15 3.7b 14 3-57
IDC IX 21 19 48 37.9–1.6 2.93N 127.11E 0 4.0,3.8b **¶11910784**
DJA IX 21 19 48 42 3.78N 126.39E 87 4.4,3.8b
ISCJB IX 21 19 48 43.4–2.4 3.6N–.20 126.3E–.10 141–14 3.7b,3.8b
IDC IX 23 10 09 56.6–2.0 3.80N 127.04E 0 3.8,3.7b ¶11910882
IDC Error ellipse: s-maj=147.9km s-min=26.4km az=65.0.
ISC IX 30 04 05 22.1–.41 3.86N–.02 126.70E–.03 67–3 5.0b 324 1-161
BJI IX 30 04 05 14.1 3.49N 126.71E 36 5.2b,5.1b **¶11322387**
MOS IX 30 04 05 16.7–1.0 3.81N 126.51E 33 5.3b,5.1b
NEIC IX 30 04 05 18.5–.16 3.82N 126.56E 35 5.2b,5.1b
TEH IX 30 04 05 18.0 3.79N 126.58E 35 5.2b,5.1b
IDC IX 30 04 05 18.3–2.3 3.72N 126.45E 34–16 4.7L,4.7b
ISCJB IX 30 04 05 20.0–.47 3.85N–.02 126.72E–.03 64–4 5.1b,4.7b
GCMT IX 30 04 05 21.0–.40 3.87N 126.77E 29–0 5.0W,4.7b
DJA IX 30 04 05 24 3.60N 126.82E 63 5.0b,4.7b
ISC Event type se.
MOS Error ellipse: s-maj=13.1km s-min=5.7km az=118.3.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=63.0.
IDC Error ellipse: s-maj=18.2km s-min=7.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.7km az=174.2.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s33,c35; s54,c67; Moment tensor: Scale 10^{16}Nm; M_{rr}4.01±.25 $M_{\theta\theta}$-1.02±.16; $M_{\phi\phi}$-2.99±.18; $M_{r\theta}$-0.03±.28; $M_{\theta\phi}$-0.94±.10; $M_{\phi r}$0.85±.27; Best double couple: NP1:ϕ_s206.00000°,δ39.00000°,λ96.00000°. NP2:ϕ_s17.00000°,δ51.00000°,λ85.00000°. Principal axes: T 4.1200,Plg83.0000° ,Azm257.0000°; N -0.6700,Plg4.0000°,Azm21.0000°; P -3.4500,Plg6.0000°,Azm111.0000° M_o3.80000×10^{16}
ISC X 01 04 30 24.4–1.1 3.74N–.09 125.5E–.10 27–7 4.3b 34 0-123
IDC X 01 04 30 20.0–.99 3.91N 125.59E 0 4.4,4.2b **¶11911527**
DJA X 01 04 30 19 4.59N 125.20E 103 4.4,4.2b
ISCJB X 01 04 30 24.1–.95 3.72N–.07 125.41E–.09 39–9 4.3b,4.2b
NEIC X 01 04 30 25.1–.57 3.79N 125.57E 35 4.4b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=48.0km s-min=18.9km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=10.2km az=149.4.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=8.3km az=55.0.
ISC X 01 04 35 14.4–2.0 3.8N–.10 125.5E–.20 72–22 4.0b 18 3-61
IDC X 01 04 35 05.9–1.0 3.86N 125.51E 0 4.2,4.0b **¶11911528**
NEIC X 01 04 35 10.4–.59 3.82N 125.51E 35 4.2b,4.0b
ISCJB X 01 04 35 13.6–2.2 3.8N–.10 125.5E–.20 85–23 4.0b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 01 04 44 06.3–.83 3.84N–.07 125.49E–.08 28–5 4.3b,3.6s 40 0-123
IDC X 01 04 44 02.1–.94 3.88N 125.57E 0 4.4,4.2 **¶11911529**
DJA X 01 04 44 04 3.93N 125.37E 9 4.6,4.2
ISCJB X 01 04 44 05.4–.65 3.80N–.06 125.44E–.08 36–5 4.3b,3.6s
NEIC X 01 04 44 08.0–1.4 3.74N 125.48E 44–15 4.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=57.0km s-min=17.1km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=9.8km az=151.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=8.9km az=73.0.
IDC X 01 07 02 19.3–1.7 4.01N 125.63E 0 4.4s,4.4 ¶11911537
IDC Error ellipse: s-maj=111.2km s-min=22.9km az=67.0.
IDC X 03 17 05 06.9–1.7 3.94N 126.94E 0 3.8,3.7 ¶12065791
IDC Error ellipse: s-maj=101.6km s-min=23.0km az=68.0.
IDC X 04 14 36 17.2–1.9 3.76N 126.75E 0 3.8,3.6 ¶12065907
IDC Error ellipse: s-maj=112.1km s-min=23.9km az=70.0.
ISC X 04 18 52 45.1–.53 4.72N–.03 127.52E–.05 90–4 4.5b 179 2-123
MAN X 04 18 52 35 4.16N 127.41E 3 5.6b,5.0s **¶11328061**
MOS X 04 18 52 38.0–.74 4.75N 127.58E 44 4.8b,5.0s
ISCJB X 04 18 52 43.6–.57 4.72N–.03 127.52E–.05 95–5 4.5b,5.0s
NEIC X 04 18 52 44.2–1.0 4.69N 127.53E 87–9 4.6b,5.0s
BJI X 04 18 52 44.5 4.48N 127.82E 124 4.8b,4.7b
IDC X 04 18 52 44.2–1.8 4.69N 127.51E 87–15 4.2,4.2
DJA X 04 18 52 46.8–2.8 5N–8.0 127E–5.0 33–40 5.4b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 06 22 23 47.5–2.6 3.66N 125.00E 0 4.0,3.8b ¶12066199
IDC Error ellipse: s-maj=310.2km s-min=25.1km az=64.0.
IDC X 10 11 15 01.0–8.5 2.06N 125.77E 0 3.6,3.5 ¶12066498
IDC Error ellipse: s-maj=184.8km s-min=132.2km az=70.0.
ISC X 13 07 51 26.1–.82 4.1N–.10 126.6E–.30 35 3.8b 12 20-91
IDC X 13 07 51 20.9–1.1 4.11N 126.52E 0 4.0,3.8 **¶12068537**
ISCJB X 13 07 51 23.7–.84 4.1N–.10 126.5E–.30 33 3.8b,3.8
NEIC X 13 07 51 26.2–1.3 4.08N 126.48E 35 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=58.1km s-min=19.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=44.7km s-min=14.0km az=157.8.
NEIC Event type se. Error ellipse: s-maj=84.8km s-min=15.8km az=61.0.
IDC X 15 10 16 46.1–4.4 3.14N 126.53E 0 4.2,4.0b ¶12068673
IDC Error ellipse: s-maj=182.1km s-min=67.7km az=72.0.
IDC X 19 12 32 41.9–1.0 4.75N 125.73E 0 4.0,3.9b ¶12069044
IDC Error ellipse: s-maj=59.7km s-min=16.0km az=78.0.
ISC X 22 18 01 50.6–.37 2.94N–.04 125.59E–.07 167–4 3.8b 43 1-122
ISCJB X 22 18 01 49.7–.38 2.95N–.04 125.58E–.08 175–4 3.8b **¶12070817**
IDC X 22 18 01 52.9–5.2 2.93N 125.38E 191–53 3.7,3.6
DJA X 22 18 01 53 2.77N 125.61E 123 4.6,3.6
NEIC X 22 18 01 54.3–3.8 2.94N 125.45E 208–38 4.2b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=6.1km az=174.2.
IDC Error ellipse: s-maj=37.0km s-min=12.4km az=82.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=9.7km az=83.0.
IDC X 24 10 49 00.6–1.9 3.76N 126.03E 0 3.6,3.4b ¶12070974
IDC Error ellipse: s-maj=122.2km s-min=24.2km az=69.0.
IDC X 24 11 29 38.6–11 3.86N 127.49E 0 3.5,3.3b ¶12070977
IDC Error ellipse: s-maj=196.8km s-min=105.1km az=145.0.
ISC X 27 04 35 15.9–.67 3.8N–.10 126.4E–.40 35 4.0b,2.9s 18 17-123
IDC X 27 04 35 10.5–.89 3.78N 126.14E 0 4.2,4.1 **¶12071219**
ISCJB X 27 04 35 13.5–.69 3.8N–.10 126.3E–.40 33 4.0b,2.9s
NEIC X 27 04 35 16.1–.79 3.64N 126.08E 35 4.2b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=70.2km s-min=16.0km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=54.3km s-min=10.9km az=162.9.
NEIC Event type se. Error ellipse: s-maj=71.9km s-min=11.3km az=69.0.
ISC X 29 19 54 41.6–.41 4.16N–.02 126.76E–.04 65–3 4.7b 318 1-161
IDC X 29 19 54 32.9–.46 4.10N 126.53E 0 4.6,4.6 **¶11378640**
BJI X 29 19 54 35.5 3.87N 126.45E 37 5.0b,4.7s
MOS X 29 19 54 36.5–1.2 4.13N 126.54E 33 5.0b,4.5s
NEIC X 29 19 54 38.4–.24 4.15N 126.64E 35 5.0b,4.5s
ISCJB X 29 19 54 39.4–.47 4.18N–.02 126.79E–.04 61–4 4.8b,4.5s
GCMT X 29 19 54 40.6–.20 4.30N 126.80E 22–0 5.2W,4.5s
DJA X 29 19 54 42.4–.90 4N–4.0 127E–4.0 21–8 5.5b,5.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c107; s70,c123; Moment tensor: Scale 10^{16}Nm; M_{rr}5.26±.20 $M_{\theta\theta}$-1.09±.12; $M_{\phi\phi}$-4.17±.17; $M_{r\theta}$-1.88±.24; $M_{\theta\phi}$-4.30±.12; $M_{\phi r}$3.12±.26; Best double couple: NP1:ϕ_s243.00000°,δ46.00000°,λ135.00000°. NP2:ϕ_s8.00000°,δ59.00000°,λ54.00000°. Principal axes: T 7.4300,Plg58.0000° ,Azm225.0000°; N -0.0500,Plg31.0000°,Azm28.0000°; P -7.3900,Plg7.0000°,Azm123.0000° M_o7.40000×10^{16}

ISC	**X**	**29 19 59 30.6–.42**	**4.12N–.02**	**126.74E–.04**	**69–4**	**4.5b**	**186**	**1-123**	
IDC	X	29 19 59 21.9–.44	4.12N	126.58E	0	4.5b,4.5			¶11378642
NEIC	X	29 19 59 27.2–.27	4.15N	126.61E	35	4.9b,4.5			
ISCJB	X	29 19 59 28.7–.47	4.13N–.02	126.73E–.04	67–4	4.5b,4.5			
DJA	X	29 19 59 29	3.98N	126.75E	15	4.9b,4.5			
BJI	X	29 19 59 32.6	3.90N	126.39E	116	5.1b,4.6b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=21.5km s-min=8.9km az=73.0.								
NEIC	Event type se. Error ellipse: s-maj=11.1km s-min=5.3km az=71.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.2km s-min=3.5km az=171.7.								
ISC	**X**	**29 20 21 22.5–.73**	**4.12N–.04**	**126.62E–.08**	**56–7**	**4.0b**	**58**	**1-91**	
IDC	X	29 20 21 15.8–.61	3.98N	126.01E	0	4.4L,4.1			¶12071534
NEIC	X	29 20 21 18.4–6.4	3.97N	126.21E	18–41	4.5b,4.1			
DJA	X	29 20 21 19	4.19N	126.78E	20	4.8,4.1			
ISCJB	X	29 20 21 21.1–.79	4.14N–.04	126.65E–.08	62–7	4.0b,4.1			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**X**	**29 20 23 17.0–.60**	**4.41N–.08**	**127.2E–.20**	**35**	**4.0b**	**35**	**10-91**	
IDC	X	29 20 23 12.3–.75	4.21N	126.75E	0	4.2,4.0			¶12071535
ISCJB	X	29 20 23 14.4–.64	4.42N–.08	127.2E–.20	33	4.0b,4.0			
NEIC	X	29 20 23 17.4–.52	4.16N	126.71E	35	4.2b,4.0			
ISC	Event type se.								
IDC	Error ellipse: s-maj=49.3km s-min=12.1km az=69.0.								
ISCJB	Event type se. Error ellipse: s-maj=23.1km s-min=9.8km az=162.2.								
NEIC	Event type se. Error ellipse: s-maj=34.4km s-min=9.1km az=70.0.								
IDC	**X**	**29 20 53 33.6–1.0**	**4.36N**	**127.00E**	**0**	**3.5,3.4b**			
									¶12071542
IDC	Error ellipse: s-maj=68.7km s-min=12.1km az=70.0.								
ISC	**X**	**29 20 59 59.8–.89**	**4.16N–.04**	**126.72E–.08**	**54–9**	**4.0b**	**43**	**1-123**	
IDC	X	29 20 59 53.3–.98	4.12N	126.55E	0	4.1,3.9			¶12071543
ISCJB	X	29 20 59 58.3–.93	4.17N–.04	126.72E–.07	59–9	4.0b,3.9			
NEIC	X	29 20 59 58.0–.52	4.06N	126.51E	35	4.3b,3.9			
DJA	X	29 21 00 01	4.05N	126.65E	30	4.6,3.9			
ISC	Event type se.								
IDC	Error ellipse: s-maj=66.1km s-min=13.2km az=68.0.								
ISCJB	Event type se. Error ellipse: s-maj=12.6km s-min=6.7km az=171.6.								
NEIC	Event type se. Error ellipse: s-maj=33.0km s-min=7.6km az=70.0.								
ISC	**X**	**29 21 01 06.9–.52**	**4.26N–.09**	**126.6E–.10**	**35**	**3.9b,3.5s**	**31**	**11-123**	
IDC	X	29 21 01 01.8–.77	4.28N	126.67E	0	4.1,3.9			¶12071544
ISCJB	X	29 21 01 04.7–.53	4.27N–.09	126.6E–.10	33	3.9b,3.5s			
NEIC	X	29 21 01 06.8–.37	4.26N	126.62E	35	4.0b,3.5s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=46.3km s-min=12.6km az=70.0.								
ISCJB	Event type se. Error ellipse: s-maj=22.9km s-min=8.5km az=153.8.								
NEIC	Event type se. Error ellipse: s-maj=17.0km s-min=6.3km az=64.0.								
ISC	**X**	**29 22 17 02.1–.33**	**4.17N–.02**	**126.63E–.03**	**70–3**	**5.0b**	**457**	**1-161**	
BJI	X	29 22 16 52.8	3.40N	126.88E	61	5.1b,4.9b			¶13398584
IDC	X	29 22 16 53.0–.37	4.16N	126.45E	0	4.8,4.8			
MOS	X	29 22 16 56.7–1.1	4.17N	126.44E	33	5.4b,4.6s			
NEIC	X	29 22 16 58.4–.14	4.18N	126.54E	35	5.2b,4.6s			
ISCJB	X	29 22 16 59.8–.39	4.18N–.02	126.61E–.03	63–3	5.1b,4.6s			
GCMT	X	29 22 17 00.3–.20	4.23N	126.69E	24–0	5.2W,4.6s			
DJA	X	29 22 17 02	3.95N	126.59E	11	5.3b,4.6s			
MAN	X	29 22 17 10	4.52N	125.67E	28	5.2b,4.4s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=17.8km s-min=9.8km az=79.0.								
MOS	Error ellipse: s-maj=9.9km s-min=4.8km az=117.9.								
NEIC	Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=68.0.								
ISCJB	Event type se. Error ellipse: s-maj=4.9km s-min=2.9km az=164.2.								
GCMT	Event type se. Data Used: II IU IC G. Moment Tensor Solution. s64,c102; s73,c125; Moment tensor: Scale 10^{16}Nm; M_{rr}5.90±.21 $M_{\theta\theta}$1.27±.15; $M_{\phi\phi}$-7.17±.19; $M_{r\theta}$-3.76±.41; $M_{\theta\phi}$-4.38±.14; $M_{\phi r}$0.99±.39; Best double couple: NP1:ϕ_s353.00000°,δ53.00000°,λ44.00000°. NP2:ϕ_s233.00000°,δ57.00000°,λ133.00000°. Principal axes: T 8.6200,Plg55.0000° ,Azm200.0000°; N 0.4400,Plg35.0000°,Azm25.0000°; P -9.0500,Plg2.0000°,Azm294.0000° M_o8.80000×10^{16}								
ISC	**X**	**29 22 18 09.1–.28**	**4.19N–.04**	**126.59E–.06**	**35**	**4.8b,4.2s**	**78**	**11-158**	
IDC	X	29 22 18 04.2–.51	4.16N	126.58E	0	4.9,4.8			¶12071559
ISCJB	X	29 22 18 07.0–.28	4.20N–.04	126.58E–.06	33	4.8b,4.2s			
NEIC	X	29 22 18 09.1–.17	4.18N	126.58E	35	4.9b,4.2s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=29.3km s-min=13.0km az=71.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.7km s-min=5.5km az=159.3.								
NEIC	Event type se. Error ellipse: s-maj=6.3km s-min=3.6km az=69.0.								
ISC	**X**	**29 23 18 19.6–.90**	**4.01N–.05**	**126.66E–.09**	**85–9**	**3.9b**	**47**	**1-123**	
DJA	X	29 23 18 01	5.42N	127.02E	83	4.9			¶12071569
IDC	X	29 23 18 09.7–.83	4.07N	126.59E	0	4.0,3.9			
NEIC	X	29 23 18 14.5–.31	4.02N	126.62E	35	4.4b,3.9			
ISCJB	X	29 23 18 18.6–.94	4.00N–.05	126.60E–.09	92–9	3.9b,3.9			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
IDC	**X**	**29 23 51 46.9–1.8**	**4.22N**	**126.89E**	**0**	**3.8,3.6b**			
									¶12071577
IDC	Error ellipse: s-maj=81.4km s-min=19.9km az=61.0.								
ISC	**X**	**30 02 48 16.2–1.0**	**4.13N–.05**	**126.64E–.07**	**52–10**	**4.2b**	**60**	**1-123**	
IDC	X	30 02 48 09.4–.57	4.28N	126.53E	0	4.3,4.2			¶12071585
ISCJB	X	30 02 48 14.7–1.1	4.19N–.05	126.67E–.08	54–10	4.2b,4.2			
NEIC	X	30 02 48 14.5–1.4	4.08N	126.55E	38–13	4.5b,4.2			
DJA	X	30 02 48 18	3.77N	126.58E	10	4.6,4.2			
ISC	Event type se.								
IDC	Error ellipse: s-maj=35.2km s-min=10.1km az=72.0.								
ISCJB	Event type se. Error ellipse: s-maj=13.1km s-min=7.2km az=162.4.								
NEIC	Event type se. Error ellipse: s-maj=22.0km s-min=6.5km az=73.0.								
IDC	**X**	**30 04 43 19.2–1.2**	**4.18N**	**126.67E**	**0**	**3.9,3.7**			
									¶12071592
IDC	Error ellipse: s-maj=90.9km s-min=16.8km az=71.0.								
IDC	**X**	**30 07 10 15.4–1.5**	**4.19N**	**126.59E**	**0**	**3.8,3.6b**			
									¶12071600
IDC	Error ellipse: s-maj=112.2km s-min=18.5km az=68.0.								
IDC	**X**	**30 09 34 05.7–1.6**	**4.06N**	**126.36E**	**0**	**3.7,3.6**			
									¶12071609
IDC	Error ellipse: s-maj=102.2km s-min=23.0km az=68.0.								
ISC	**X**	**31 17 56 16.3–.64**	**3.79N–.03**	**125.53E–.05**	**45–6**	**4.6b**	**128**	**3-123**	
IDC	X	31 17 56 09.5–.50	3.84N	125.50E	0	4.6,4.5			¶12071754
ISCJB	X	31 17 56 14.5–.73	3.78N–.03	125.48E–.05	47–6	4.6b,4.5			
DJA	X	31 17 56 15	3.64N	125.36E	5	4.9,4.5			
NEIC	X	31 17 56 15.2–.98	3.82N	125.55E	37–9	4.7b,4.5			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=22.2km s-min=9.7km az=82.0.								
ISCJB	Event type fe. Error ellipse: s-maj=7.7km s-min=5.5km az=177.2.								
NEIC	Event type fe. Error ellipse: s-maj=7.8km s-min=4.8km az=70.0. Felt [III] at Tahuna.								
IDC	**XI**	**02 18 09 15.9–1.3**	**2.73N**	**125.85E**	**0**	**3.5s,3.5**			
									¶12072012
IDC	Error ellipse: s-maj=139.4km s-min=20.0km az=68.0.								
IDC	**XI**	**03 08 57 40.6–2.1**	**3.60N**	**125.47E**	**0**	**3.6,3.4b**			
									¶12072097
IDC	Error ellipse: s-maj=194.4km s-min=27.5km az=64.0.								
IDC	**XI**	**03 10 59 33.5–1.8**	**4.10N**	**126.32E**	**0**	**3.9,3.7**			
									¶12072110
IDC	Error ellipse: s-maj=150.1km s-min=23.6km az=65.0.								
ISC	**XI**	**06 12 07 08.8–8.3**	**4.26N–.10**	**126.9E–.10**	**20–54**	**3.8b**	**19**	**12-85**	
IDC	XI	06 12 07 05.6–1.3	4.38N	126.96E	0	4.0,3.9			¶12072529
ISCJB	XI	06 12 07 08.4–.67	4.29N–.08	126.8E–.10	33	3.8b,3.9			
NEIC	XI	06 12 07 10.8–.63	4.25N	126.84E	35	4.2b,3.9			
ISC	Event type se.								
IDC	Error ellipse: s-maj=75.4km s-min=16.6km az=66.0.								
ISCJB	Event type se. Error ellipse: s-maj=17.3km s-min=11.7km az=167.4.								
NEIC	Event type se. Error ellipse: s-maj=16.4km s-min=11.1km az=79.0.								
ISC	**XI**	**07 07 39 37.6–.39**	**4.66N–.03**	**125.99E–.06**	**167–4**	**4.4b**	**61**	**1-122**	
ISCJB	XI	07 07 39 36.6–.39	4.66N–.03	126.01E–.06	173–4	4.4b			¶12072642
MAN	XI	07 07 39 37	4.79N	125.76E	191	4.8b,3.8s			
NEIC	XI	07 07 39 38.0–.98	4.71N	125.95E	178–10	4.9b,3.8s			
IDC	XI	07 07 39 38.0–.95	4.71N	125.96E	177–10	5.5s,5.5			
DJA	XI	07 07 39 38	4.61N	126.08E	146	4.9b,5.5			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=10.4km s-min=4.7km az=175.0.								
NEIC	Event type se. Error ellipse: s-maj=16.3km s-min=8.6km az=77.0.								
IDC	Error ellipse: s-maj=25.1km s-min=10.8km az=79.0.								
IDC	**XI**	**08 03 37 12.6–1.7**	**4.15N**	**127.73E**	**0**	**3.6,3.5b**			
									¶12072780
IDC	Error ellipse: s-maj=174.0km s-min=21.7km az=71.0.								
ISC	**XI**	**12 12 14 18.6–.52**	**3.89N–.03**	**126.20E–.08**	**123–6**	**3.8b**	**33**	**1-122**	
ISCJB	XI	12 12 14 17.6–.52	3.89N–.03	126.19E–.09	129–6	3.7b			¶12073297
NEIC	XI	12 12 14 22.2–6.0	3.83N	125.90E	162–58	4.1b			
DJA	XI	12 12 14 22	3.66N	126.24E	84	4.7			
IDC	XI	12 12 14 23.2–7.5	3.81N	125.89E	170–75	3.5,3.4b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=14.3km s-min=5.4km az=172.7.								
NEIC	Event type se. Error ellipse: s-maj=45.2km s-min=14.5km az=68.0.								
IDC	Error ellipse: s-maj=49.5km s-min=15.0km az=73.0.								
ISC	**XI**	**12 18 35 01.9–.56**	**4.33N–.05**	**125.4E–.10**	**35**	**3.7b**	**20**	**1-56**	
IDC	XI	12 18 34 58.9–2.2	4.33N	126.83E	0	3.9,3.8b			¶12073331
ISCJB	XI	12 18 35 00.7–.57	4.34N–.05	125.3E–.10	33	3.7b,3.8b			
DJA	XI	12 18 35 02	4.29N	125.73E	10	4.1,3.8b			
IDC	Error ellipse: s-maj=187.2km s-min=26.7km az=65.0.								
ISCJB	Error ellipse: s-maj=16.7km s-min=5.7km az=167.4.								
ISC	**XI**	**13 19 15 36.9–1.1**	**3.12N–.09**	**127.9E–.10**	**165–10**	**3.8b**	**23**	**2-63**	
IDC	XI	13 19 15 18.3–1.3	3.35N	128.22E	0	4.0,3.9b			¶12073441
NEIC	XI	13 19 15 23.4–.68	3.33N	128.24E	35	4.3b,3.9b			
ISCJB	XI	13 19 15 35.8–1.1	3.14N–.09	127.9E–.10	173–10	3.8b,3.9b			
DJA	XI	13 19 15 39	3.08N	127.98E	30	4.2,3.9b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=104.4km s-min=15.6km az=71.0.								
NEIC	Event type se. Error ellipse: s-maj=53.8km s-min=8.9km az=73.0.								
ISCJB	Event type se. Error ellipse: s-maj=20.3km s-min=10.1km az=142.9.								
ISC	**XI**	**15 13 28 04.7–1.0**	**3.85N–.07**	**126.5E–.10**	**104–12**	**3.4b**	**19**	**1-57**	
IDC	XI	15 13 27 50.1–2.1	4.32N	126.90E	0	4.1s,4.1			¶12073630
ISCJB	XI	15 13 28 03.6–1.0	3.84N–.07	126.5E–.10	107–12	3.4b,4.1			
DJA	XI	15 13 28 07	3.40N	126.48E	10	4.4,4.1			
MAN	XI	15 13 28 57	7.56N	124.47E	37	4.4b,3.2L			
IDC	Error ellipse: s-maj=158.6km s-min=25.1km az=66.0.								
ISCJB	Error ellipse: s-maj=18.7km s-min=10.1km az=166.2.								
ISC	**XI**	**18 00 14 36.1–.39**	**4.19N–.03**	**125.93E–.05**	**116–3**	**4.6b**	**123**	**1-130**	
ISCJB	XI	18 00 14 35.0–.41	4.20N–.03	125.92E–.05	121–4	4.6b			¶12073944
DJA	XI	18 00 14 35	4.21N	126.16E	99	4.7b			
IDC	XI	18 00 14 36.7–1.4	4.17N	125.86E	122–12	4.2,4.1b			
NEIC	XI	18 00 14 38.1–.85	4.19N	125.84E	133–8	4.4b,4.1b			
MAN	XI	18 00 14 39	4.49N	125.65E	24	5.1b,4.2s			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=8.5km s-min=4.2km az=171.9.								
IDC	Error ellipse: s-maj=21.5km s-min=8.1km az=73.0.								
NEIC	Event type fe. Error ellipse: s-maj=8.6km s-min=5.4km az=77.0. Felt [II] at Tahuna.								
IDC	**XI**	**18 04 48 32.4–2.0**	**4.02N**	**126.63E**	**0**	**3.7,3.5b**			
									¶12073966
IDC	Error ellipse: s-maj=112.5km s-min=26.3km az=69.0.								
ISC	**XI**	**18 17 55 05.8–.50**	**4.08N–.03**	**126.74E–.06**	**52–4**	**4.6b,4.0s**	**167**	**1-150**	
IDC	XI	18 17 54 58.0–.56	4.15N	126.81E	0	4.5,4.4			¶11457650
MOS	XI	18 17 55 01.5–1.3	4.15N	126.92E	33	4.8b,4.4			
DJA	XI	18 17 55 02	4.10N	126.94E	10	4.9b,4.4			
ISCJB	XI	18 17 55 04.0–.54	4.07N–.03	126.75E–.06	53–5	4.6b,4.0s			
NEIC	XI	18 17 55 04.3–1.5	4.14N	126.74E	43–14	4.6b,4.0s			
BJI	XI	18 17 55 05.0	4.18N	126.50E	39	5.0b,4.6s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=31.5km s-min=11.9km az=76.0.								
MOS	Error ellipse: s-maj=18.4km s-min=7.1km az=117.1.								
ISCJB	Event type se. Error ellipse: s-maj=10.0km s-min=4.2km az=158.9.								
NEIC	Event type se. Error ellipse: s-maj=13.2km s-min=5.7km az=71.0.								
IDC	**XI**	**23 00 37 18.3–2.6**	**4.66N**	**127.95E**	**0**	**3.5,3.4b**			
									¶12074547
IDC	Error ellipse: s-maj=228.4km s-min=22.3km az=68.0.								
ISC	**XI**	**23 01 53 37.5–.70**	**4.17N–.03**	**126.64E–.06**	**54–6**	**4.4b,3.5s**	**85**	**1-98**	
IDC	XI	23 01 53 30.2–.63	4.13N	126.58E	0	4.2,4.2L			¶12074553
NEIC	XI	23 01 53 34.5–3.0	4.17N	126.63E	28–22	4.4b,4.2L			
ISCJB	XI	23 01 53 35.9–.74	4.18N–.03	126.66E–.06	56–6	4.4b,3.5s			
DJA	XI	23 01 53 44	3.64N	126.46E	17	4.8b,3.5s			
MAN	XI	23 01 54 07	6.15N	125.49E	24	4.8b,3.7s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=33.3km s-min=13.1km az=73.0.								
NEIC	Event type se. Error ellipse: s-maj=17.1km s-min=5.6km az=72.0.								
ISCJB	Event type se. Error ellipse: s-maj=10.0km s-min=5.1km az=167.2.								
ISC	**XI**	**26 17 46 56.6–.64**	**3.6N–.10**	**126.8E–.30**	**35**	**3.9b**	**19**	**22-83**	
IDC	XI	26 17 46 51.4–.86	3.59N	126.80E	0	4.0,3.8b			¶12074925
ISCJB	XI	26 17 46 54.3–.64	3.6N–.10	126.8E–.30	33	3.9b,3.8b			
NEIC	XI	26 17 46 56.5–.51	3.58N	126.80E	35	4.2b,3.8b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=54.7km s-min=15.9km az=76.0.								
ISCJB	Event type se. Error ellipse: s-maj=45.2km s-min=11.4km az=165.5.								
NEIC	Event type se. Error ellipse: s-maj=36.0km s-min=9.3km az=76.0.								
ISC	**XI**	**27 12 47 43.4–1.4**	**3.2N–.10**	**126.7E–.10**	**35**	**3.5b**	**9**	**1-48**	
DJA	XI	27 12 47 20	5.29N	127.00E	241	3.9b			¶12075033
ISCJB	XI	27 12 47 41.5–1.4	3.2N–.10	126.78E–.10	33	3.5b			
IDC	XI	27 12 47 41.1–1.7	2.82N	126.53E	0	3.6,3.4b			
ISCJB	Error ellipse: s-maj=17.0km s-min=14.2km az=3.5.								
IDC	Error ellipse: s-maj=132.8km s-min=26.4km az=75.0.								
IDC	**XI**	**27 14 53 31.5–2.0**	**4.74N**	**126.84E**	**0**	**3.5,3.4b**			
									¶12075040
IDC	Error ellipse: s-maj=182.3km s-min=22.6km az=67.0.								
ISC	**XI**	**28 16 17 38.5–1.1**	**3.4N–.10**	**126.8E–.20**	**70–12**	**4.3b**	**33**	**4-62**	
IDC	XI	28 16 17 29.6–1.1	3.55N	126.98E	0	4.2,4.1			¶11528470
NEIC	XI	28 16 17 34.8–.57	3.52N	126.94E	35	4.7b,4.1			
ISCJB	XI	28 16 17 37.3–1.2	3.4N–.10	126.8E–.20	76–13	4.3b,4.1			
MAN	XI	28 16 17 55	4.81N	126.21E	120	4.8b,3.7s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=65.9km s-min=14.9km az=68.0.								
NEIC	Event type se. Error ellipse: s-maj=36.5km s-min=7.6km az=67.0.								
ISCJB	Event type se. Error ellipse: s-maj=36.1km s-min=8.8km az=152.0.								
IDC	**XI**	**29 00 09 37.6–1.3**	**3.82N**	**126.85E**	**0**	**3.7,3.6**			
									¶12075204
IDC	Error ellipse: s-maj=102.3km s-min=19.4km az=71.0.								
IDC	**XII**	**04 07 27 17.1–1.7**	**3.85N**	**125.89E**	**0**	**4.0,3.8b**			
									¶12075699
IDC	Error ellipse: s-maj=105.6km s-min=22.8km az=67.0.								
DJA	**XII**	**04 12 57 28**	**4.39N**	**126.06E**	**140**	**4.2b**			
									¶12923282
ISC	**XII**	**05 04 35 33.0–.79**	**5.0N–.10**	**127.4E–.30**	**35**	**3.6b**	**16**	**23-84**	
IDC	XII	05 04 35 27.6–1.0	5.02N	127.48E	0	3.8,3.7b			¶12075832
ISCJB	XII	05 04 35 30.9–.79	5.0N–.10	127.4E–.30	33	3.6b,3.7b			
NEIC	XII	05 04 35 33.0–.68	4.97N	127.42E	35	3.8b,3.7b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=60.8km s-min=19.0km az=73.0.								
ISCJB	Event type se. Error ellipse: s-maj=49.5km s-min=14.1km az=162.4.								
NEIC	Event type se. Error ellipse: s-maj=42.9km s-min=12.4km az=73.0.								
IDC	**XII**	**06 15 54 17.4–2.0**	**4.37N**	**127.03E**	**0**	**3.6,3.5b**			
									¶12076039
IDC	Error ellipse: s-maj=150.6km s-min=24.8km az=66.0.								
IDC	**XII**	**07 19 35 08.5–1.7**	**2.38N**	**125.51E**	**0**	**3.8,3.6b**			
									¶12076241
IDC	Error ellipse: s-maj=117.0km s-min=22.2km az=68.0.								
ISC	**XII**	**09 12 51 31.1–2.7**	**2.9N–.10**	**125.97E–.08**	**13–14**	**3.5b**	**17**	**2-58**	
ISCJB	XII	09 12 51 28.1–2.5	3.0N–.10	125.91E–.08	6–13	3.5b			¶12076545
IDC	XII	09 12 51 30.3–1.9	2.82N	126.75E	0	3.6,3.4b			

NEIC XII 09 12 51 34.4–1.4 2.98N 126.23E 35 3.6b,3.4b
DJA XII 09 12 51 56 1.24N 127.99E 10 3.7,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=13.2km az=1.0.
IDC Error ellipse: s-maj=124.6km s-min=24.4km az=68.0.
NEIC Event type se. Error ellipse: s-maj=86.8km s-min=19.7km az=68.0.
IDC XII 10 09 27 56.5–8.3 2.07N 125.64E 0 3.8,3.7
¶12076708

IDC Error ellipse: s-maj=186.9km s-min=129.8km az=70.0.
ISC XII 10 14 46 14.1–1.0 4.20N–.05 126.77E–.07 55–10 4.1b 53 1-91
IDC XII 10 14 46 07.1–.70 4.14N 126.55E 0 4.2,4.1b **¶12076754**
ISCJB XII 10 14 46 12.6–1.0 4.19N–.05 126.76E–.07 60–10 4.1b,4.1b
NEIC XII 10 14 46 13.8–1.1 4.04N 126.48E 50–10 4.2b,4.1b
DJA XII 10 14 46 14 3.98N 126.68E 10 4.6,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=13.4km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.2km az=158.9.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=5.7km az=68.0.
IDC XII 15 18 38 09.0–1.3 3.40N 127.60E 0 4.0s,4.0
¶12077645

IDC Error ellipse: s-maj=91.4km s-min=18.7km az=71.0.
IDC XII 16 04 09 21.3–.97 3.67N 127.62E 0 4.1,4.0
¶12077709

IDC Error ellipse: s-maj=67.6km s-min=15.9km az=74.0.
IDC XII 16 14 10 45.3–1.8 3.76N 126.51E 0 3.6,3.5b
¶12077765

IDC Error ellipse: s-maj=105.4km s-min=24.2km az=68.0.
IDC XII 17 20 54 10.1–1.4 3.96N 127.80E 0 4.2L,3.8
¶12077969

IDC Error ellipse: s-maj=62.1km s-min=21.3km az=71.0.
ISC XII 20 21 32 51.9–1.8 3.2N–.10 126.9E–.10 80–17 3.9b 30 1-123
DJA XII 20 21 32 36 4.14N 127.37E 10 4.4 **¶12078388**
IDC XII 20 21 32 42.4–.67 3.29N 126.80E 0 4.2,4.0
NEIC XII 20 21 32 47.3–.47 3.25N 126.82E 35 4.3b,4.0
ISCJB XII 20 21 32 50.4–1.9 3.3N–.10 126.8E–.10 82–18 3.9b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 31 11 39 57.7–.42 4.92N–.02 127.43E–.03 76–3 5.3b 461 2-169
MOS XII 31 11 39 51.5–.98 4.99N 127.45E 33 5.7b,4.5s **¶11525180**
BJI XII 31 11 39 51.5 4.41N 127.59E 77 5.3b,5.1b
MAN XII 31 11 39 52 4.76N 127.33E 16 5.8b,5.3s
NEIC XII 31 11 39 53.5–.13 4.92N 127.44E 39 5.5b,5.4W
ISCJB XII 31 11 39 55.5–.47 4.93N–.02 127.46E–.03 71–3 5.3b,5.4W
GCMT XII 31 11 39 56.7–.10 5.02N 127.33E 61–1 5.4W,5.4W
IDC XII 31 11 39 57.5–1.1 4.89N 127.35E 74–9 4.9,4.9
DJA XII 31 11 39 59 4.96N 127.40E 79 5.4b,4.9
ISC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=4.6km az=115.6.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.3km az=67.0. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}1.08 $M_{\theta\theta}$0.32 $M_{\phi\phi}$-1.40 $M_{r\theta}$-0.42 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.75 Best double couple: NP1:ϕ_s311.00000°,δ42.00000°,λ41.00000°. NP2:ϕ_s188.00000° ,δ64.00000°,λ125.00000°. Principal axes: T 1.5900,Plg56.0000°,Azm144.0000° ; N 0.1900,Plg30.0000°,Azm351.0000°; P -1.7700,Plg12.0000°,Azm253.0000° $M_0$1.70000×10^{17}
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=159.8.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s80,c119; s95,c176; Moment tensor: Scale 10^{17}Nm; M_{rr}0.91±.02 $M_{\theta\theta}$0.44±.02; $M_{\phi\phi}$-1.36±.02; $M_{r\theta}$-0.41±.02; $M_{\theta\phi}$0.75±.02; $M_{\phi r}$-0.10±.02; Best double couple: NP1:ϕ_s192.00000°,δ55.00000°,λ139.00000°. NP2:ϕ_s308.00000°,δ57.00000°,λ42.00000°. Principal axes: T 1.2500,Plg52.0000° ,Azm161.0000°; N 0.3800,Plg38.0000°,Azm339.0000°; P -1.6300,Plg1.0000°,Azm70.0000° $M_0$1.40000×10^{17}
IDC Error ellipse: s-maj=14.6km s-min=6.9km az=79.0.
ISC XII 31 14 49 11.1–.80 3.0N–.20 127.6E–.40 35 3.5b 14 24-85
IDC XII 31 14 49 06.2–.99 3.00N 127.50E 0 3.7,3.5b **¶12079664**
ISCJB XII 31 14 49 09.1–.80 3.0N–.20 127.4E–.40 33 3.5b,3.5b
NEIC XII 31 14 49 10.8–.71 3.03N 127.56E 35 4.0b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=70.9km s-min=19.2km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=65.7km s-min=13.9km az=161.3.
NEIC Event type se. Error ellipse: s-maj=59.7km s-min=13.1km az=71.0.
IDC XII 31 18 16 52.5–1.9 3.92N 126.99E 0 3.7,3.6b
¶12079684

IDC Error ellipse: s-maj=189.3km s-min=20.2km az=67.0.
IDC XII 31 20 12 57.2–2.2 4.36N 127.06E 0 3.5,3.3b
¶12079695

IDC Error ellipse: s-maj=173.4km s-min=26.0km az=66.0.

(264) North of Halmahera.

IDC VII 01 05 42 02.8–9.5 3.76N 128.39E 0 3.8,3.7
¶12697909

IDC Error ellipse: s-maj=157.3km s-min=92.7km az=148.0.
IDC VII 02 16 07 41.5–2.1 3.01N 128.74E 0 3.6,3.4
¶12697947

IDC Error ellipse: s-maj=140.9km s-min=24.7km az=68.0.
ISC VII 09 18 24 51.7–.60 3.87N–.03 128.01E–.06 107–5 4.6b 114 3-94
ISCJB VII 09 18 24 50.5–.67 3.88N–.03 128.03E–.06 114–5 4.6b **¶11108435**
BJI VII 09 18 24 50.9 3.53N 128.30E 141 4.7b,4.5b
IDC VII 09 18 24 51.9–.66 3.86N 127.99E 111–6 4.2,4.1
NEIC VII 09 18 24 51.7–.32 3.87N 127.99E 110 4.5b,4.1
DJA VII 09 18 24 55 3.72N 127.81E 102 5.3W,4.1
MAN VII 09 18 25 03 4.67N 127.28E 173 5.5b,4.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.3km az=169.8.
IDC Error ellipse: s-maj=22.1km s-min=8.7km az=79.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.1km az=77.0.
ISC VII 23 15 04 08.5–1.4 3.5N–.20 128.6E–.40 35 3.7b 9 22-59
IDC VII 23 15 04 03.3–1.6 3.55N 128.62E 0 4.0,3.8b **¶11812443**
NEIC VII 23 15 04 04.7–1.1 3.59N 128.68E 10 3.6b,3.8b
ISCJB VII 23 15 04 06.2–1.4 3.6N–.20 128.6E–.40 33 3.7b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 24 06 37 25.6–2.2 3.03N 128.02E 0 3.6,3.4b
¶12581336

IDC Error ellipse: s-maj=144.4km s-min=26.2km az=67.0.
IDC IX 12 19 58 47.9–2.6 3.89N 129.13E 0 3.4,3.2b
¶11910128

IDC Error ellipse: s-maj=171.2km s-min=27.8km az=68.0.
ISC IX 13 14 37 04.9–1.4 3.03N–.09 128.5E–.10 208–16 3.5b 13 3-59
ISCJB IX 13 14 37 03.8–1.4 3.06N–.09 128.5E–.10 216–16 3.5b **¶11910187**
IDC IX 13 14 37 04.4–2.9 3.02N 128.36E 206–28 3.2,3.0b
DJA IX 13 14 37 11 2.83N 128.36E 30 4.2,3.0b
ISCJB Error ellipse: s-maj=22.4km s-min=14.1km az=170.4.
IDC Error ellipse: s-maj=44.1km s-min=13.3km az=87.0.
IDC IX 13 16 03 01.1–2.3 3.53N 128.45E 0 3.5,3.3b
¶11910193

IDC Error ellipse: s-maj=160.8km s-min=25.0km az=68.0.
IDC IX 27 06 23 43.6–.85 3.56N 128.70E 0 3.9,3.8b
¶11911172

IDC Error ellipse: s-maj=45.4km s-min=15.7km az=71.0.
IDC IX 28 09 40 09.9–1.4 3.63N 128.82E 0 4.0,3.9
¶11911266

IDC Error ellipse: s-maj=66.3km s-min=22.8km az=67.0.
IDC X 10 01 26 29.0–1.9 3.17N 128.15E 0 3.7,3.6b
¶12066476

IDC Error ellipse: s-maj=174.3km s-min=19.9km az=67.0.
IDC X 11 07 11 29.4–1.5 3.30N 128.05E 0 3.9,3.8b
¶12066569

IDC Error ellipse: s-maj=130.9km s-min=17.4km az=67.0.
ISC X 28 08 18 10.8–.60 3.34N–.09 128.1E–.20 35 3.9b 20 19-85
IDC X 28 08 18 05.5–.74 3.35N 128.09E 0 4.1,3.9 **¶12071320**
ISCJB X 28 08 18 08.6–.61 3.36N–.10 128.0E–.30 33 3.9b,3.9
NEIC X 28 08 18 10.7–.48 3.35N 128.08E 35 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=14.9km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=37.1km s-min=11.0km az=166.3.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=9.1km az=77.0.
IDC XI 10 03 00 13.8–.96 3.24N 128.33E 0 3.9,3.7
¶12073023

IDC Error ellipse: s-maj=72.9km s-min=19.7km az=71.0.
ISC XI 16 06 23 11.1–.62 4.51N–.10 128.0E–.30 35 3.9b 19 23-84
IDC XI 16 06 23 05.9–.78 4.53N 127.95E 0 4.0,3.9b **¶12073707**
ISCJB XI 16 06 23 08.9–.62 4.5N–.10 127.9E–.30 33 3.9b,3.9b
NEIC XI 16 06 23 10.9–.61 4.54N 128.05E 35 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=55.0km s-min=14.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=46.5km s-min=10.9km az=167.3.
NEIC Event type se. Error ellipse: s-maj=43.7km s-min=10.6km az=75.0.
IDC XI 17 11 29 12.5–2.4 3.75N 128.65E 0 3.4,3.3b
¶12073844

IDC Error ellipse: s-maj=153.2km s-min=28.0km az=68.0.
IDC XI 20 16 45 51.5–2.0 3.40N 128.45E 0 3.5,3.4
¶12074283

IDC Error ellipse: s-maj=149.8km s-min=23.9km az=67.0.
ISC XI 23 12 22 45.8–2.3 3.8N–.10 128.1E–.20 152–18 4.3b 20 3-61
IDC XI 23 12 22 30.3–1.3 4.03N 128.03E 0 4.2,4.0b **¶12074593**
ISCJB XI 23 12 22 43.9–2.4 3.8N–.10 128.1E–.20 153–18 4.3b,4.0b
DJA XI 23 12 23 18 2.55N 124.76E 117 5.3b,4.0b
IDC Error ellipse: s-maj=36.9km s-min=26.5km az=75.0.
ISCJB Error ellipse: s-maj=25.7km s-min=21.6km az=170.1.
ISC XI 26 23 27 04.1–1.8 3.65N–.07 128.4E–.10 40–16 4.2b,3.0s 44 3-125
ISCJB XI 26 23 27 02.0–1.9 3.65N–.07 128.3E–.10 36–16 4.2b,3.0s **¶12074971**
NEIC XI 26 23 27 03.0–.54 3.62N 128.35E 30–4 4.4b,3.0s
IDC XI 26 23 27 03.4–1.0 3.63N 128.34E 32–6 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=7.9km az=155.8.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=4.2km az=63.0.
IDC Error ellipse: s-maj=53.4km s-min=13.9km az=69.0.
ISC XII 01 15 23 47.7–.56 4.04N–.09 128.7E–.20 35 3.9b 25 22-91
IDC XII 01 15 23 42.4–.73 4.06N 128.69E 0 4.1,3.9b **¶12075424**
ISCJB XII 01 15 23 45.6–.56 4.06N–.09 128.6E–.20 33 3.9b,3.9b
NEIC XII 01 15 23 47.7–.45 4.04N 128.68E 35 3.9b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=14.6km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=29.3km s-min=10.0km az=164.1.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=8.3km az=75.0.
IDC XII 06 21 20 26.8–1.6 3.27N 128.51E 0 3.4,3.4
¶12076068

IDC Error ellipse: s-maj=131.7km s-min=21.5km az=71.0.
IDC XII 23 13 53 43.6–1.8 3.11N 129.00E 0 3.8,3.7
¶12078682

IDC Error ellipse: s-maj=75.4km s-min=19.8km az=64.0.
IDC XII 27 22 28 04.3–1.9 3.62N 129.35E 0 3.6,3.5
¶12079220

IDC Error ellipse: s-maj=92.1km s-min=20.3km az=66.0.

(265) Minahassa Peninsula, Sulawesi.

ISC VII 01 21 10 46.5–.49 0.28N–.07 122.03E–.08 187–5 3.6b 25 0-75
ISCJB VII 01 21 10 45.1–.51 0.28N–.07 121.99E–.08 193–5 3.5b **¶11799207**
NEIC VII 01 21 10 46.8–5.4 0.38N 122.20E 194–55 3.5b
IDC VII 01 21 10 47.5–7.0 0.33N 122.14E 197–71 3.3,3.2b
DJA VII 01 21 10 47 0.33N 121.96E 165 3.5,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=10.2km az=155.8.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=9.3km az=49.0.
IDC Error ellipse: s-maj=89.4km s-min=15.5km az=64.0.
ISC VII 02 04 55 12.3–.61 0.41S–.05 122.06E–.04 39–8 4.2b 42 1-74
DJA VII 02 04 55 09 0.35S 122.02E 10 4.7 **¶11799239**
ISCJB VII 02 04 55 10.1–.57 0.37S–.04 122.04E–.04 37–7 4.2b
IDC VII 02 04 55 11.9–5.9 0.40S 122.12E 37–54 4.8L,4.0
NEIC VII 02 04 55 11.6–2.6 0.40S 122.13E 35–26 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=6.1km az=30.6.
IDC Error ellipse: s-maj=37.5km s-min=17.8km az=61.0.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=9.4km az=49.0.
ISC VII 04 11 07 05.6–.47 0.33N–.06 122.05E–.04 184–5 3.8b 32 0-62
DJA VII 04 11 07 03 0.55N 121.98E 190 4.5 **¶11810604**
ISCJB VII 04 11 07 04.4–.47 0.35N–.06 122.04E–.04 191–5 3.8b
IDC VII 04 11 07 04.7–7.3 0.34N 122.11E 176–76 3.4b,3.4
NEIC VII 04 11 07 05.4–.47 0.33N 122.05E 183 4.1b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.7km az=161.8.
IDC Error ellipse: s-maj=97.4km s-min=15.7km az=60.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=8.0km az=73.0.
IDC VII 05 11 38 41.9–1.5 0.80N 123.37E 0 4.0L,3.8
¶12698023

IDC Error ellipse: s-maj=125.9km s-min=22.6km az=64.0.
DJA VII 07 09 19 21 0.82N 121.80E 41 4.2
¶12921791

DJA VII 09 04 18 55 0.75S 123.36E 10 3.7
¶12921806

ISC VII 10 02 49 49.2–.39 0.83N–.03 121.17E–.03 74–5 4.7b 93 1-128
ISCJB VII 10 02 49 47.8–.45 0.87N–.03 121.20E–.03 78–5 4.7b **¶11109009**
BJI VII 10 02 49 48.5 1.38N 121.33E 42 4.9b,4.7b
IDC VII 10 02 49 49.0–2.0 0.78N 121.19E 77–18 4.2,4.1
NEIC VII 10 02 49 48.5–.71 0.81N 121.17E 72–7 4.8b,4.1
DJA VII 10 02 49 48 1.00N 121.16E 25 5.3W,4.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=5.1km az=29.6.
IDC Error ellipse: s-maj=27.1km s-min=10.8km az=70.0.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=5.0km az=65.0. Felt [II] at Tolitoli.
DJA VII 16 00 21 29 0.74S 123.53E 33 3.8
¶12921913

DJA VII 18 03 26 13 0.34N 124.96E 10 3.8
¶12921937

DJA VII 18 06 29 00 0.06S 122.99E 82 4.3
¶12921939

ISC VII 18 14 25 04.0–.42 0.28N–.05 122.08E–.05 191–4 4.0b 30 0-161
DJA VII 18 14 24 51 1.81N 121.32E 57 4.5 **¶11811938**
ISCJB VII 18 14 25 02.8–.42 0.30N–.05 122.08E–.05 197–4 3.9b
NEIC VII 18 14 25 03.9–1.7 0.21N 122.01E 192–18 4.2b
IDC VII 18 14 25 05.0–5.2 0.35N 122.19E 200–51 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=7.7km az=152.4.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=8.0km az=62.0.
IDC Error ellipse: s-maj=66.0km s-min=11.7km az=61.0.
DJA VII 20 16 00 29 0.09S 122.96E 30 3.2
¶12921967

DJA VII 22 02 06 42 0.32N 122.40E 124 3.9
¶12921982

ISC VII 23 12 01 14.2–.40 0.03S–.04 123.41E–.04 152–4 4.6b 119 1-160
MOS VII 23 12 01 01.0–1.8 0.15N 123.32E 42 5.0b **¶11480097**
IDC VII 23 12 01 11.7–3.9 0.04N 123.31E 131–36 4.1,4.0
ISCJB VII 23 12 01 13.3–.40 0.02S–.04 123.39E–.04 158–4 4.6b,4.0
DJA VII 23 12 01 14 0.03S 123.32E 129 4.8,4.0
NEIC VII 23 12 01 15.9–1.3 0.01N 123.49E 174–13 4.8b,4.0
ISC Event type fe.
MOS Error ellipse: s-maj=17.3km s-min=7.7km az=117.0.
IDC Error ellipse: s-maj=24.3km s-min=10.8km az=70.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=5.6km az=154.0.
NEIC Event type fe. Error ellipse: s-maj=10.8km s-min=5.6km az=59.0. Felt [III] at Gorontalo.

ISC	**VII**	**23 18 02 17.4–.50**	**1.58N–.03**	**121.11E–.06**	**62–7**	**4.3b**	**49**	**1-87**	
BJI	VII	23 18 02 12.4	1.30N	120.90E	24	4.8b,4.5b			¶11480101
NEIC	VII	23 18 02 13.4–6.9	1.31N	120.87E	24–51	4.9b,4.5b			
ISCJB	VII	23 18 02 15.8–.56	1.61N–.03	121.10E–.06	63–7	4.3b,4.5b			
DJA	VII	23 18 02 16	1.70N	120.98E	63	4.6b,4.5b			
IDC	VII	23 18 02 16.4–5.8	1.27N	120.78E	49–61	4.0L,3.9			
ISC	Event type fe.								
NEIC	Event type fe. Error ellipse: s-maj=19.4km s-min=7.4km az=50.0. Felt [III] at Tolitoli.								
ISCJB	Event type fe. Error ellipse: s-maj=9.8km s-min=5.4km az=179.8.								
IDC	Error ellipse: s-maj=27.6km s-min=15.2km az=64.0.								
DJA	**VII**	**23 18 22 57**	**0.55S**	**122.64E**	**12**	**3.6**			
									¶12922001
DJA	**VII**	**24 09 46 56**	**1.78N**	**121.81E**	**70**	**4.2**			
									¶12922014
DJA	**VII**	**25 10 08 24**	**0.06N**	**123.08E**	**124**	**3.8**			
									¶12922026
DJA	**VII**	**27 23 53 06**	**0.75S**	**122.61E**	**11**	**4.1**			
									¶12922062
DJA	**VII**	**28 13 14 05**	**0.61N**	**122.49E**	**24**	**3.8**			
									¶12922084
DJA	**VII**	**29 17 58 01**	**1.07N**	**121.46E**	**10**	**3.9**			
									¶12922107
DJA	**VII**	**29 21 49 31**	**0.11S**	**123.91E**	**53**	**3.9**			
									¶12922111
IDC	**VIII**	**02 15 07 21.2–1.3**	**0.82N**	**120.41E**	**0**	**3.6b,3.6**			
									¶12580901
IDC	Error ellipse: s-maj=189.6km s-min=25.2km az=64.0.								
DJA	**VIII**	**02 18 09 37**	**0.55S**	**122.99E**	**38**	**3.6**			
									¶12922154
ISC	**VIII**	**03 17 24 37.0–.45**	**1.78N–.04**	**124.88E–.05**	**204–4**	**4.2b**	**63**	**0-93**	
ISCJB	VIII	03 17 24 36.1–.46	1.78N–.04	124.90E–.05	212–4	4.2b			¶11652783
IDC	VIII	03 17 24 36.6–5.9	1.81N	124.79E	200–60	3.9,3.8b			
DJA	VIII	03 17 24 38	1.63N	124.94E	190	4.7,3.8b			
NEIC	VIII	03 17 24 39.2–3.5	1.76N	124.79E	228–37	4.4b,3.8b			
BJI	VIII	03 17 24 39.0	1.82N	124.82E	226	4.6b,4.2b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=8.6km s-min=6.4km az=156.9.								
IDC	Error ellipse: s-maj=35.1km s-min=12.6km az=72.0.								
NEIC	Event type se. Error ellipse: s-maj=21.4km s-min=9.3km az=64.0.								
ISC	**VIII**	**04 12 57 26.0–.55**	**0.17S–.06**	**122.93E–.05**	**83–7**	**3.6b**	**16**	**1-59**	
IDC	VIII	04 12 57 15.5–1.4	0.09S	123.16E	0	3.8,3.7b			¶12580923
ISCJB	VIII	04 12 57 24.8–.56	0.18S–.06	122.93E–.05	92–7	3.6b,3.7b			
DJA	VIII	04 12 57 27	0.18S	122.96E	58	4.2,3.7b			
IDC	Error ellipse: s-maj=95.2km s-min=25.4km az=62.0.								
ISCJB	Error ellipse: s-maj=10.2km s-min=8.9km az=169.5.								
ISC	**VIII**	**05 14 15 05.5–.47**	**0.10S–.05**	**123.64E–.04**	**66–9**	**3.6b**	**20**	**1-59**	
IDC	VIII	05 14 14 55.2–1.6	0.43N	124.23E	0	3.8,3.7L			¶12580931
ISCJB	VIII	05 14 15 04.2–.47	0.09S–.05	123.63E–.04	75–8	3.6b,3.7L			
DJA	VIII	05 14 15 05	0.08S	123.67E	51	4.4,3.7L			
IDC	Error ellipse: s-maj=154.5km s-min=26.6km az=66.0.								
ISCJB	Error ellipse: s-maj=9.7km s-min=6.4km az=152.1.								
DJA	**VIII**	**05 14 38 01**	**0.12S**	**123.87E**	**76**	**3.9**			
									¶12922199
DJA	**VIII**	**05 23 29 37**	**0.84S**	**119.76E**	**36**	**3.5**			
									¶12922200
DJA	**VIII**	**09 01 26 56**	**0.66S**	**123.12E**	**73**	**3.7**			
									¶12922234
DJA	**VIII**	**12 07 44 28**	**1.15N**	**121.97E**	**7**	**4.0**			
									¶12922260
DJA	**VIII**	**13 16 36 54**	**0.77S**	**120.95E**	**15**	**3.5**			
									¶12922275
DJA	**VIII**	**17 17 48 36**	**0.22S**	**123.06E**	**64**	**3.5**			
									¶12922318
DJA	**VIII**	**18 13 31 31**	**0.51N**	**120.89E**	**160**	**3.9**			
									¶12922325
DJA	**VIII**	**19 14 14 26**	**0.42N**	**121.09E**	**20**	**3.8**			
									¶12922335
IDC	**VIII**	**19 19 21 07.7–7.7**	**0.34N**	**122.49E**	**176–77**	**3.4,3.3b**			
									¶12581209
IDC	Error ellipse: s-maj=101.7km s-min=17.8km az=65.0.								
IDC	**VIII**	**19 20 46 21.7–9.2**	**0.16N**	**122.26E**	**0**	**3.6,3.5**			
									¶12581213
IDC	Error ellipse: s-maj=156.6km s-min=119.3km az=112.0.								
DJA	**VIII**	**20 06 42 14**	**0.23S**	**122.61E**	**198**	**3.6**			
									¶12922342
ISC	**VIII**	**20 22 14 42.7–1.4**	**1.81N–.09**	**124.4E–.10**	**241–13**	**3.8b**	**26**	**5-129**	
ISCJB	VIII	20 22 14 42.0–1.3	1.82N–.09	124.4E–.10	251–13	3.8b			¶11908507
NEIC	VIII	20 22 14 42.8–.87	1.82N	124.42E	244–8	3.8b			
IDC	VIII	20 22 14 42.7–5.0	1.79N	124.39E	240–49	3.7,3.6b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=21.2km s-min=10.4km az=143.2.								
NEIC	Event type se. Error ellipse: s-maj=12.4km s-min=6.2km az=53.0.								
IDC	Error ellipse: s-maj=63.1km s-min=13.2km az=62.0.								
ISC	**VIII**	**21 21 30 47.8–.15**	**0.36S–.02**	**119.66E–.02**	**53**	**5.0b,4.1s**	**258**	**1-162**	
BJI	VIII	21 21 30 42.4	0.86S	119.88E	56	5.3b,5.0s			¶11180607
MOS	VIII	21 21 30 43.7–.99	0.25S	119.72E	33	5.2b,5.0s			
ISCJB	VIII	21 21 30 45.8–.15	0.35S–.02	119.66E–.02	51	5.0b,4.1s			
DJA	VIII	21 21 30 45	0.39S	119.64E	13	5.0b,4.1s			
IDC	VIII	21 21 30 47.4–.53	0.33S	119.68E	50–4	4.4,4.4			
NEIC	VIII	21 21 30 48.0–.99	0.29S	119.73E	57–9	5.0b,4.4			
GCMT	VIII	21 21 30 49.0–.30	0.09S	119.75E	30–0	5.0W,4.4			
ISC	Event type fe.								
MOS	Error ellipse: s-maj=12.2km s-min=6.4km az=117.6.								
ISCJB	Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=150.1.								
IDC	Error ellipse: s-maj=17.6km s-min=9.6km az=71.0.								
NEIC	Event type fe. Error ellipse: s-maj=8.0km s-min=4.8km az=66.0. Felt [III] at Palu.								
GCMT	Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s40,c48; s56,c91; Moment tensor: Scale 10^{16}Nm; M_{rr}3.77±.21 $M_{\theta\theta}$-0.32±.13; $M_{\phi\phi}$-3.46±.17; $M_{r\theta}$-1.41±.22; $M_{\theta\phi}$-2.16±.09; $M_{\phi r}$1.15±.23; Best double couple: NP1:ϕ_s230.00000°,δ47.00000°,λ125.00000°. NP2:ϕ_s4.00000°,δ53.00000°,λ58.00000°. Principal axes: T 4.6100,Plg65.0000° ,Azm212.0000°; N -0.0400,Plg25.0000°,Azm25.0000°; P -4.5800,Plg3.0000°,Azm116.0000° M_o4.60000×10^{16}								
DJA	**VIII**	**22 04 08 32**	**0.48S**	**119.62E**	**30**	**4.4**			
									¶12922362
DJA	**VIII**	**22 15 19 46**	**1.55N**	**122.69E**	**30**	**4.2**			
									¶12922367
ISC	**VIII**	**24 14 27 52.1–.75**	**0.25N–.10**	**121.81E–.10**	**203–6**	**3.9b**	**10**	**0-58**	
ISCJB	VIII	24 14 27 51.0–.75	0.25N–.10	121.79E–.10	209–7	3.9b			¶12581345
DJA	VIII	24 14 27 53	0.30N	121.82E	190	4.0			
IDC	VIII	24 14 27 53.4–8.9	0.34N	122.16E	219–90	3.6,3.4b			
ISCJB	Error ellipse: s-maj=18.3km s-min=12.6km az=44.1.								
IDC	Error ellipse: s-maj=172.1km s-min=20.9km az=61.0.								
ISC	**VIII**	**24 16 57 26.7–.80**	**0.26N–.10**	**121.79E–.10**	**200–6**	**3.3b**	**10**	**0-58**	
IDC	VIII	24 16 57 04.9–1.7	0.46N	122.00E	0	3.6,3.5b			¶12581348
ISCJB	VIII	24 16 57 25.5–.80	0.27N–.10	121.8E–.10	207–7	3.3b,3.5b			
DJA	VIII	24 16 57 28	0.32N	121.80E	182	3.9,3.5b			
IDC	Error ellipse: s-maj=212.0km s-min=26.5km az=61.0.								
ISCJB	Error ellipse: s-maj=18.7km s-min=13.2km az=138.0.								
ISC	**VIII**	**24 20 13 45.4–.55**	**0.23N–.07**	**121.84E–.08**	**207–5**	**3.6b**	**16**	**0-62**	
IDC	VIII	24 20 13 22.6–.97	0.15N	121.38E	0	3.9,3.8b			¶12581351
ISCJB	VIII	24 20 13 44.3–.56	0.24N–.07	121.84E–.08	215–6	3.6b,3.8b			
DJA	VIII	24 20 13 47	0.27N	121.81E	182	3.8,3.8b			
IDC	Error ellipse: s-maj=172.4km s-min=16.8km az=63.0.								
ISCJB	Error ellipse: s-maj=13.1km s-min=12.0km az=8.6.								
ISC	**VIII**	**24 21 07 12.8–3.3**	**0.3N–.10**	**122.6E–.20**	**49–40**	**3.5b**	**11**	**7-67**	
IDC	VIII	24 21 07 04.7–1.4	1.08N	123.64E	0	3.7,3.5b			¶11908715
ISCJB	VIII	24 21 07 10.7–4.7	0.4N–.20	122.5E–.30	47–52	3.5b,3.5b			
NEIC	VIII	24 21 07 11.7–.51	0.29N	122.49E	35	3.7b,3.5b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=123.8km s-min=19.5km az=57.0.								
ISCJB	Event type se. Error ellipse: s-maj=47.4km s-min=14.0km az=152.0.								
NEIC	Event type se. Error ellipse: s-maj=17.8km s-min=8.5km az=72.0.								
DJA	**VIII**	**27 12 33 42**	**0.52S**	**122.99E**	**104**	**4.1**			
									¶12922422
DJA	**VIII**	**27 20 13 25**	**0.24S**	**122.85E**	**29**	**3.5**			
									¶12922425
DJA	**VIII**	**28 13 30 39**	**1.36N**	**122.14E**	**14**	**3.5**			
									¶12922438
DJA	**VIII**	**28 15 40 11**	**0.59N**	**120.32E**	**53**	**3.8**			
									¶12922439
ISC	**VIII**	**29 10 20 55.3–.16**	**0.93N–.02**	**121.05E–.02**	**567–2**	**4.8b**	**408**	**0-164**	
BJI	VIII	29 10 20 51.4	0.65N	121.22E	566	5.0b,4.7b			¶13392891
ISCJB	VIII	29 10 20 54.6–.17	0.95N–.02	121.06E–.02	575–2	4.8b,4.7b			
MOS	VIII	29 10 20 55.6–1.2	1.13N	121.05E	578	4.8b,4.7b			
NEIC	VIII	29 10 20 55.5–.39	1.02N	121.02E	567–4	4.9b,4.7b			
IDC	VIII	29 10 20 56.2–.73	1.00N	121.11E	580–8	4.3,4.2b			
DJA	VIII	29 10 20 56	0.83N	121.00E	551	5.3W,4.2b			
GCMT	VIII	29 10 20 57.3–.30	1.03N	121.20E	560–2	5.2W,4.2b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=3.8km s-min=2.9km az=178.2.								
MOS	Error ellipse: s-maj=9.8km s-min=5.8km az=114.0.								
NEIC	Event type se. Error ellipse: s-maj=5.4km s-min=3.5km az=64.0.								
IDC	Error ellipse: s-maj=9.8km s-min=4.7km az=68.0.								
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}7.17±.35 $M_{\theta\theta}$-7.63±.46; $M_{\phi\phi}$0.47±.63; $M_{r\theta}$0.15±.58; $M_{\theta\phi}$0.41±.50; $M_{\phi r}$-4.11±.59; Best double couple: NP1:ϕ_s250.00000°,δ49.00000°,λ55.00000°. NP2: ϕ_s116.00000°,δ52.00000°,λ123.00000°. Principal axes: T 9.1200,Plg65.0000°,Azm90.0000° ; N -1.4600,Plg25.0000°,Azm274.0000°; P -7.6600,Plg2.0000°,Azm184.0000° M_o8.40000×10^{16}								
DJA	**VIII**	**29 20 06 23**	**0.05N**	**122.18E**	**178**	**3.9**			
									¶12922457
ISC	**VIII**	**30 21 56 58.1–.57**	**0.24N–.05**	**124.57E–.04**	**46–8**	**3.6b**	**28**	**1-86**	
IDC	VIII	30 21 56 52.2–.91	0.05N	124.13E	0	4.0L,3.9			¶11909139
DJA	VIII	30 21 56 55	0.26N	124.59E	10	4.5,3.9			
ISCJB	VIII	30 21 56 56.3–.57	0.23N–.05	124.52E–.04	45–8	3.6b,3.9			
NEIC	VIII	30 21 56 57.3–.51	0.06N	124.20E	35	3.8b,3.9			
ISC	Event type se.								
IDC	Error ellipse: s-maj=52.7km s-min=16.5km az=66.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.9km s-min=7.2km az=4.2.								
NEIC	Event type se. Error ellipse: s-maj=27.8km s-min=8.6km az=67.0.								
DJA	**VIII**	**31 23 20 20**	**1.20N**	**121.27E**	**15**	**3.9**			
									¶12922475
DJA	**IX**	**01 21 58 05**	**0.33S**	**123.93E**	**102**	**4.0**			
									¶12922491
DJA	**IX**	**02 00 22 26**	**0.08S**	**123.46E**	**68**	**4.0**			
									¶12922492
DJA	**IX**	**02 12 48 02**	**0.41S**	**123.69E**	**60**	**4.4**			
									¶12922499
DJA	**IX**	**04 14 30 41**	**0.55N**	**123.33E**	**256**	**3.5**			
									¶12922514
DJA	**IX**	**05 18 55 55**	**0.90S**	**121.73E**	**67**	**3.8**			
									¶12922520
ISC	**IX**	**05 23 32 52.8–.42**	**0.63S–.04**	**121.83E–.04**	**48–5**	**4.2b**	**43**	**0-73**	
IDC	IX	05 23 32 46.3–.92	0.42S	122.15E	0	4.0,3.9b			¶11909565
ISCJB	IX	05 23 32 51.2–.41	0.64S–.04	121.81E–.04	52–5	4.2b,3.9b			
DJA	IX	05 23 32 51	0.61S	121.86E	14	4.6,3.9b			
NEIC	IX	05 23 32 51.2–2.5	0.56S	121.95E	36–26	4.5b,3.9b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=46.9km s-min=16.8km az=66.0.								
ISCJB	Event type se. Error ellipse: s-maj=6.6km s-min=5.7km az=38.4.								
NEIC	Event type se. Error ellipse: s-maj=22.0km s-min=11.2km az=54.0.								
ISC	**IX**	**07 10 57 56.4–.60**	**0.21S–.06**	**122.93E–.06**	**107–7**	**3.0b**	**19**	**1-59**	
IDC	IX	07 10 57 53.6–11	0.10N	123.26E	89–105	3.4L,3.1			¶11909724
ISCJB	IX	07 10 57 55.3–.61	0.20S–.06	122.92E–.06	113–7	3.0b,3.1			
DJA	IX	07 10 57 56	0.23S	122.96E	97	3.9,3.1			
IDC	Error ellipse: s-maj=132.5km s-min=29.7km az=61.0.								
ISCJB	Error ellipse: s-maj=13.0km s-min=6.2km az=139.3.								
ISC	**IX**	**08 07 58 28.0–1.2**	**0.79N–.09**	**122.50E–.06**	**10**	**3.5b**	**12**	**1-58**	
ISCJB	IX	08 07 58 26.8–1.1	0.78N–.08	122.52E–.07	10	3.5b			¶11909806
IDC	IX	08 07 58 27.9–1.8	0.50N	122.35E	0	3.8L,3.8			
DJA	IX	08 07 58 27	1.07N	121.66E	10	4.1,3.8			
NEIC	IX	08 07 58 32.9–1.1	0.63N	122.68E	35	4.1,3.8			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=12.5km s-min=8.5km az=148.5.								
IDC	Error ellipse: s-maj=143.7km s-min=26.3km az=64.0.								
NEIC	Event type se. Error ellipse: s-maj=80.6km s-min=16.5km az=65.0.								
DJA	**IX**	**10 01 05 01**	**0.06S**	**123.55E**	**27**	**3.8**			
									¶12922560
DJA	**IX**	**10 12 03 56**	**1.03N**	**122.36E**	**163**	**3.8**			
									¶12922562
DJA	**IX**	**10 17 01 17**	**1.42N**	**122.43E**	**12**	**3.9**			
									¶12922565
ISC	**IX**	**10 20 26 45.4–.35**	**0.25S–.04**	**123.07E–.04**	**119–4**	**4.2b**	**42**	**1-93**	
NEIC	IX	10 20 26 42.2–2.9	0.03S	123.29E	86–29	4.6b			¶11377886
IDC	IX	10 20 26 43.8–2.9	0.02N	123.38E	102–26	3.7,3.6			
ISCJB	IX	10 20 26 44.3–.35	0.24S–.04	123.07E–.04	125–4	4.2b,3.6			
DJA	IX	10 20 26 46	0.30S	123.12E	101	4.7,3.6			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=28.0km s-min=10.1km az=57.0.								
IDC	Error ellipse: s-maj=35.3km s-min=12.2km az=67.0.								
ISCJB	Event type se. Error ellipse: s-maj=6.7km s-min=5.9km az=165.8.								
ISC	**IX**	**12 18 04 56.1–.81**	**0.95N–.07**	**121.47E–.09**	**35**	**3.3b**	**17**	**1-57**	
IDC	IX	12 18 04 50.5–1.6	0.45N	121.79E	0	3.6,3.4b			¶11910115
DJA	IX	12 18 04 53	0.96N	121.51E	10	4.0,3.4b			
ISCJB	IX	12 18 04 54.2–.76	0.95N–.07	121.38E–.08	33	3.3b,3.4b			
DJA	**IX**	**16 15 30 05**	**0.04S**	**123.12E**	**113**	**3.8**			
									¶12922618
ISC	**IX**	**17 11 49 32.8–1.7**	**0.89N–.08**	**120.6E–.10**	**13–13**	**3.4b**	**15**	**0-57**	
IDC	IX	17 11 49 28.3–1.1	1.35N	121.68E	0	3.6,3.6L			¶11910471
ISCJB	IX	17 11 49 30.4–1.9	0.93N–.08	120.44E–.07	2–14	3.4b,3.6L			
DJA	IX	17 11 49 33	0.97N	120.56E	3	4.3,3.6L			
IDC	Error ellipse: s-maj=116.8km s-min=19.4km az=67.0.								
ISCJB	Error ellipse: s-maj=13.3km s-min=10.9km az=24.2.								
ISC	**IX**	**17 14 26 00.3–.52**	**0.01S–.06**	**123.34E–.06**	**149–5**	**3.3b**	**23**	**1-59**	
IDC	IX	17 14 25 57.6–8.5	0.18N	123.67E	126–82	3.2,3.1			¶11910480
ISCJB	IX	17 14 25 59.2–.53	0.03N–.07	123.34E–.06	156–5	3.3b,3.1			
DJA	IX	17 14 26 03	0.11S	123.30E	117	4.0,3.1			
NEIC	IX	17 14 26 04.3–1.8	0.11S	123.31E	194–20	4.4b,3.1			
ISC	Event type se.								
IDC	Error ellipse: s-maj=81.0km s-min=17.5km az=60.0.								
ISCJB	Event type se. Error ellipse: s-maj=12.1km s-min=8.8km az=37.4.								
NEIC	Event type se. Error ellipse: s-maj=30.5km s-min=8.2km az=59.0.								
DJA	**IX**	**19 02 00 30**	**0.39N**	**123.85E**	**24**	**3.7**			
									¶12922634
DJA	**IX**	**20 01 11 42**	**0.98N**	**121.79E**	**43**	**4.1**			
									¶12922640
DJA	**IX**	**21 23 48 03**	**0.52S**	**122.90E**	**96**	**4.0**			
									¶12922653
ISC	**IX**	**23 00 28 52.4–1.5**	**0.2N–.10**	**121.3E–.20**	**132–15**	**3.8b**	**14**	**1-68**	
DJA	IX	23 00 28 36	1.45N	120.69E	10	4.1			¶11910868
IDC	IX	23 00 28 37.5–7.8	0.40N	121.53E	0	4.2,4.1b			
NEIC	IX	23 00 28 42.5–.66	0.69N	122.04E	35	3.6b,4.1b			
ISCJB	IX	23 00 28 51.5–1.4	0.2N–.10	121.3E–.10	141–13	3.8b,4.1b			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**IX**	**28 04 33 13.9–3.8**	**1.4N–.20**	**124.8E–.50**	**273–37**	**3.6b**	**12**	**19-74**	
ISCJB	IX	28 04 33 09.8–4.5	1.5N–.20	124.8E–.50	249–44	3.7b			¶11911249
NEIC	IX	28 04 33 11.5–.67	1.45N	124.85E	250	3.7b			
IDC	IX	28 04 33 15.0–3.1	1.35N	124.68E	289–31	3.4b,3.4			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=90.3km s-min=13.3km az=155.9.								

NEIC Event type se. Error ellipse: s-maj=60.5km s-min=10.0km az=68.0.
IDC Error ellipse: s-maj=71.0km s-min=10.2km az=67.0.
ISC IX 28 05 40 24.5–.65 0.23N–.06 121.60E–.08 187–7 4.3b 44 0-128
BJI IX 28 05 40 18.6 0.58S 121.99E 217 4.6b ¶11911251
ISCJB IX 28 05 40 23.4–.65 0.25N–.06 121.61E–.07 194–7 4.2b
IDC IX 28 05 40 26.4–3.8 0.24N 121.60E 208–39 3.8b,3.8
NEIC IX 28 05 40 27.2–2.2 0.20N 121.57E 218–23 4.5b,3.8
DJA IX 28 05 40 35 0.44N 121.87E 38 4.6,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=9.0km az=159.0.
IDC Error ellipse: s-maj=22.1km s-min=10.0km az=70.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.1km az=53.0.
DJA IX 28 15 44 48 1.42N 123.31E 20 3.7
¶12922695
DJA IX 29 12 22 30 0.06N 120.98E 30 3.5
¶12922700
DJA IX 29 15 21 41 0.14S 122.99E 75 4.1
¶12922701
ISC IX 30 14 42 38.8–5.4 1.3N–.30 123.8E–.30 279–58 3.6b 11 13-62
IDC IX 30 14 42 09.3–1.7 1.97N 124.53E 0 4.1,3.9b ¶11911459
ISCJB IX 30 14 42 35.4–5.3 1.4N–.30 123.9E–.30 263–55 3.6b,3.9b
NEIC IX 30 14 42 39.6–3.9 1.26N 123.75E 288–42 3.9b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=119.5km s-min=23.3km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=59.9km s-min=13.4km az=137.0.
NEIC Event type se. Error ellipse: s-maj=40.5km s-min=9.0km az=47.0.
DJA IX 30 15 22 21 0.12S 122.86E 61 3.7
¶12922706
DJA X 01 05 36 38 0.02N 123.09E 151 3.5
¶12922710
DJA X 02 03 45 46 0.15S 123.84E 119 4.0
¶12922718
ISC X 02 19 15 13.9–.39 0.51N–.04 121.29E–.05 93–6 3.8b 54 1-67
NEIC X 02 19 15 07.7–.52 0.58N 121.54E 35 4.0b ¶12922724
ISCJB X 02 19 15 12.6–.41 0.52N–.04 121.27E–.05 100–6 3.8b
DJA X 02 19 15 15 0.53N 121.26E 33 4.6
IDC X 02 19 15 19.6–13 0.35N 121.33E 155–141 3.4L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=65.0km s-min=9.4km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.8km az=149.7.
IDC Error ellipse: s-maj=62.1km s-min=22.3km az=76.0.
IDC X 02 19 21 46.1–1.6 0.77N 123.12E 0 3.8L,3.8
¶11911743
IDC Error ellipse: s-maj=128.9km s-min=23.9km az=64.0.
DJA X 03 00 11 14 1.75N 122.94E 30 3.9
¶12922726
ISC X 03 12 13 21.3–.62 0.15S–.08 123.24E–.06 155–6 3.6b 20 1-59
NEIC X 03 12 13 09.0–1.0 0.32N 123.71E 35 4.0b ¶12065779
ISCJB X 03 12 13 20.2–.62 0.13S–.07 123.23E–.06 161–6 3.6b
DJA X 03 12 13 20 0.05S 123.22E 151 4.1
IDC X 03 12 13 22.3–7.4 0.04S 123.39E 171–67 3.3,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=60.2km s-min=11.5km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=9.7km az=1.2.
IDC Error ellipse: s-maj=97.4km s-min=15.7km az=56.0.
DJA X 03 21 41 26 0.35S 122.60E 51 4.3
¶12922730
DJA X 05 10 38 59 0.98N 121.65E 10 3.5
¶12922737
DJA X 07 20 07 13 1.08N 122.39E 6 3.9
¶12922757
IDC X 09 03 12 05.6–5.5 1.75N 123.46E 0 4.5,4.3b
¶12066395
IDC Error ellipse: s-maj=135.6km s-min=83.9km az=75.0.
DJA X 09 15 39 26 0.50S 121.87E 18 3.7
¶12922772
ISC X 11 13 42 44.9–.33 0.13S–.04 123.06E–.03 130–3 4.0b 55 1-121
ISCJB X 11 13 42 43.7–.34 0.10S–.04 123.04E–.04 136–4 4.0b ¶12066590
DJA X 11 13 42 44 0.15S 123.08E 126 4.6
IDC X 11 13 42 45.9–2.5 0.10S 123.01E 142–23 3.7,3.7
NEIC X 11 13 42 46.8–1.8 0.16S 123.06E 151–16 4.2b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=138.0.
IDC Error ellipse: s-maj=35.1km s-min=11.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=7.3km az=67.0.
ISC X 14 08 58 25.2–.72 0.94N–.07 122.28E–.06 69–8 3.4b 17 1-57
IDC X 14 08 58 16.3–1.4 0.64N 121.97E 0 3.6,3.5 ¶12068608
ISCJB X 14 08 58 23.8–.73 0.95N–.07 122.25E–.06 75–7 3.4b,3.5
DJA X 14 08 58 24 1.00N 122.32E 17 4.4,3.5
IDC Error ellipse: s-maj=221.7km s-min=23.3km az=61.0.
ISCJB Error ellipse: s-maj=11.2km s-min=9.3km az=172.6.
DJA X 14 19 11 28 0.01N 123.76E 116 3.7
¶12922817
DJA X 15 15 10 49 1.18N 122.57E 56 4.1
¶12922822
IDC X 16 06 35 34.8–1.7 1.42N 124.88E 0 3.9,3.7
¶12068741
IDC Error ellipse: s-maj=283.1km s-min=25.5km az=71.0.
ISC X 18 18 06 35.9–.49 0.02N–.05 123.33E–.05 160–5 3.9b 42 1-121
ISCJB X 18 18 06 34.9–.50 0.02N–.05 123.32E–.06 168–5 3.9b ¶12068991
DJA X 18 18 06 36 0.02N 123.27E 148 4.2
IDC X 18 18 06 37.1–2.0 0.11N 123.52E 174–18 3.6,3.4b
NEIC X 18 18 06 39.6–1.6 0.01N 123.43E 203–15 4.1b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=7.7km az=152.2.
IDC Error ellipse: s-maj=29.4km s-min=11.7km az=66.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=7.6km az=61.0.
ISC X 20 04 54 20.4–.10 0.14N–.01 120.70E–.01 103 6.0b 860 2-165
BJI X 20 04 54 12.5 0.65S 120.97E 100 5.8b,5.8b ¶13397565
ISCJB X 20 04 54 18.6–.10 0.16N–.01 120.72E–.02 101 6.0b,5.8b
MOS X 20 04 54 19.3–1.1 0.15N 120.75E 106 6.2b,5.8b
NEIC X 20 04 54 19.2–.11 0.11N 120.68E 96 6.2,6.1b
IDC X 20 04 54 20.6–.38 0.12N 120.69E 108–2 5.6,5.6
GCMT X 20 04 54 21.4–.10 0.21N 120.67E 108–0 5.9W,5.6
TEH X 20 04 54 21.0 0.10N 120.69E 105 5.9W,5.6
DJA X 20 04 54 22.1–.20 0N–2.0 121E–1.0 112–3 6.6b,6.4
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [V] at Tolitoli, [IV] at Poso, [III] at Gorontalo and [II] at Palu. Also felt at Palopo. Felt [II PIVS] at Zamboanga, Philippines. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s195.00000°,δ65.00000° ,λ110.00000°. NP2:ϕ_s334.00000°,δ32.00000°,λ54.00000°. Principal axes: T Plg64.0000° ,Azm139.0000°; N Plg0.0000°,Azm0.0000°; P Plg18.0000°,Azm270.0000° Moment Tensor Solution. s97 Moment tensor: Scale 10^{17}Nm; M_{rr}3.92 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-3.62 $M_{r\theta}$-2.99 $M_{\theta\phi}$2.06 $M_{\phi r}$-4.36 Best double couple: NP1:ϕ_s313.00000°,δ33.00000°,λ36.00000°. NP2:ϕ_s192.00000° ,δ72.00000°,λ118.00000°. Principal axes: T 7.5500,Plg54.0000°,Azm136.0000° ; N -1.8400,Plg26.0000°,Azm2.0000°; P -5.7100,Plg21.0000°,Azm261.0000° $M_0$6.80000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=121, comp=270, per= 50. Moment Tensor Solution. s113,c257; s60,c73; Moment tensor: Scale 10^{17}Nm; M_{rr}4.44±.06 $M_{\theta\theta}$0.05±.07; $M_{\phi\phi}$-4.49±.08; $M_{r\theta}$-3.78±.04; $M_{\theta\phi}$2.34±.06; $M_{\phi r}$-4.72±.05; Best double couple: NP1:ϕ_s314.00000°,δ35.00000°,λ35.00000°. NP2:ϕ_s194.00000°,δ71.00000°,λ120.00000°. Principal axes: T 8.7100,Plg54.0000°,Azm141.0000°; N -2.1000,Plg28.0000°,Azm4.0000° ; P -6.6100,Plg21.0000°,Azm262.0000° $M_0$7.70000×10^{17}
IDC X 20 06 15 11.0–32 1.93N 121.91E 0 4.1,3.9b
¶12069109
IDC Error ellipse: s-maj=541.4km s-min=328.2km az=149.0.
IDC X 20 18 14 23.1–2.0 0.44S 123.11E 0 3.4,3.2b
¶12069147
IDC Error ellipse: s-maj=431.8km s-min=26.8km az=62.0.

ISC X 21 09 39 54.4–1.0 1.0N–.20 123.5E–.40 35 3.8b 13 19-106
ISCJB X 21 09 39 52.3–.00 1.0N–.20 123.3E–.40 33 3.8b ¶12070724
NEIC X 21 09 39 54.5–.72 1.04N 123.62E 35 3.7b
IDC X 21 09 40 17.4–7.3 0.43N 122.98E 264–70 3.3,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=57.0km s-min=15.6km az=162.2.
NEIC Event type se. Error ellipse: s-maj=38.8km s-min=10.9km az=75.0.
IDC Error ellipse: s-maj=122.7km s-min=21.7km az=60.0.
ISC X 21 22 49 01.9–.31 0.74N–.04 123.96E–.04 262–3 4.1b 73 0-160
ISCJB X 21 22 49 00.8–.32 0.76N–.04 123.94E–.04 269–3 4.1b ¶12070759
IDC X 21 22 49 02.6–2.1 0.75N 123.84E 270–20 3.8,3.6b
DJA X 21 22 49 04 0.58N 124.04E 246 4.2,3.6b
NEIC X 21 22 49 05.3–1.2 0.70N 123.89E 304–13 4.1b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=6.0km az=145.4.
IDC Error ellipse: s-maj=29.4km s-min=8.7km az=69.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.3km az=63.0.
DJA X 23 19 32 30 0.77S 122.19E 12 3.6
¶12922875
ISC X 26 09 08 36.4–.13 0.18S–.02 123.06E–.02 97 5.4b 514 1-164
BJI X 26 09 08 26.4 1.01S 123.66E 90 5.6b,5.5b ¶13398101
NEIC X 26 09 08 34.7–.13 0.14S 123.02E 81 5.6W,5.5b
ISCJB X 26 09 08 34.7–.13 0.17S–.02 123.07E–.02 95 5.4b,5.5b
IDC X 26 09 08 35.5–.48 0.16S 122.98E 91–3 5.0,5.0
TEH X 26 09 08 36.0 0.26S 123.06E 92 5.0,5.0
MOS X 26 09 08 36.5–1.5 0.07S 122.95E 108 5.5b,4.5s
GCMT X 26 09 08 37.4–.10 0.18S 123.16E 74–0 5.6W,4.5s
DJA X 26 09 08 37.7–.20 0S–2.0 123E–1.0 72–3 6.3,6.2b
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Gorontalo and Luwuk; [II] at Poso. Moment Tensor Solution. s20 Moment tensor: Scale 10^{17}Nm; M_{rr}2.02 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.84 $M_{\theta\phi}$-1.18 $M_{\phi r}$-0.07 Best double couple: NP1:ϕ_s220.00000°,δ39.00000°,λ66.00000°. NP2:ϕ_s70.00000° ,δ55.00000°,λ108.00000°. Principal axes: T 2.2500,Plg73.0000°,Azm27.0000° ; N 0.1200,Plg14.0000°,Azm239.0000°; P -2.3700,Plg8.0000°,Azm147.0000° $M_0$2.30000×10^{17}
ISCJB Event type fe.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=212, per= 50. Moment Tensor Solution. s87,c159; s26,c27; Moment tensor: Scale 10^{17}Nm; M_{rr}1.68±.04 $M_{\theta\theta}$-1.81±.04; $M_{\phi\phi}$0.13±.04; $M_{r\theta}$1.45±.03; $M_{\theta\phi}$-1.72±.03; $M_{\phi r}$-0.50±.03; Best double couple: NP1:ϕ_s207.00000°,δ44.00000°,λ36.00000°. NP2:ϕ_s90.00000°,δ66.00000°,λ128.00000°. Principal axes: T 2.7100,Plg53.0000°,Azm46.0000°; N 0.3300,Plg34.0000°,Azm252.0000° ; P -3.0400,Plg13.0000°,Azm153.0000° $M_0$2.90000×10^{17}
ISC X 26 09 58 51.5–.46 0.27S–.04 123.02E–.05 94–6 3.5b 24 1-63
ISCJB X 26 09 58 50.2–.46 0.26S–.04 123.01E–.05 100–5 3.5b ¶12071148
IDC X 26 09 58 51.7–8.6 0.19S 123.06E 97–83 3.8L,3.4
DJA X 26 09 58 52 0.32S 123.02E 66 4.4,3.4
ISCJB Error ellipse: s-maj=9.0km s-min=6.4km az=34.5.
IDC Error ellipse: s-maj=53.2km s-min=19.0km az=69.0.
DJA X 26 13 32 43 0.26S 122.99E 76 3.7
¶12922887
NEIC X 27 00 27 48.4–3.8 0.01S 123.32E 181–39 3.9b
IDC X 27 00 27 45.3–6.0 0.06N 123.42E 149–57 3.3,3.2b ¶12071207
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=7.6km az=48.0.
IDC Error ellipse: s-maj=69.0km s-min=15.4km az=63.0.
ISC X 27 14 30 00.9–2.0 0.0N–.10 123.4E–.10 212–23 3.8b 24 9-121
IDC X 27 14 29 58.3–2.8 0.12N 123.49E 180–27 3.6,3.4 ¶12071242
ISCJB X 27 14 30 00.6–2.0 0.1N–.10 123.4E–.10 227–23 3.8b,3.4
NEIC X 27 14 30 01.4–1.8 0.02N 123.41E 220–20 4.3b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=11.6km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=26.8km s-min=9.6km az=146.5.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=7.7km az=57.0.
ISC X 27 21 44 24.0–.59 0.17N–.09 122.89E–.08 235–5 3.3b 16 1-58
IDC X 27 21 43 59.2–1.1 0.65N 123.34E 0 3.8,3.6b ¶12071286
ISCJB X 27 21 44 22.9–.60 0.15N–.09 122.87E–.08 243–5 3.3b,3.6b
DJA X 27 21 44 25 0.18N 122.92E 217 4.0,3.6b
IDC Error ellipse: s-maj=120.4km s-min=18.7km az=68.0.
ISCJB Error ellipse: s-maj=14.4km s-min=12.9km az=150.8.
DJA X 29 11 18 24 0.16S 123.05E 90 3.7
¶12922906
IDC X 29 12 32 10.6–11 0.13N 122.91E 332–126 3.2b,3.2
¶12071470
IDC Error ellipse: s-maj=109.7km s-min=21.3km az=58.0.
ISC X 30 22 18 27.6–.63 1.14N–.08 124.13E–.05 274–4 3.5b 25 1-58
ISCJB X 30 22 18 26.5–.64 1.19N–.08 124.12E–.05 280–4 3.5b ¶12071678
DJA X 30 22 18 30 0.92N 124.17E 254 3.9
IDC X 30 22 18 30.7–2.5 1.06N 123.74E 314–25 3.5,3.3b
ISCJB Error ellipse: s-maj=12.4km s-min=7.4km az=169.3.
IDC Error ellipse: s-maj=54.2km s-min=11.7km az=69.0.
ISC XI 02 06 06 44.6–1.3 1.7N–.20 123.5E–.20 126–15 3.2b 12 1-38
ISCJB XI 02 06 06 43.4–1.2 1.7N–.20 123.6E–.20 142–14 3.2b ¶12922948
DJA XI 02 06 06 45 1.60N 123.58E 111 4.1
IDC XI 02 06 07 11.6–15 1.77S 126.41E 0 3.7,3.6
ISCJB Error ellipse: s-maj=33.5km s-min=12.2km az=135.3.
IDC Error ellipse: s-maj=234.9km s-min=105.1km az=143.0.
ISC XI 03 08 17 07.6–.60 0.28N–.06 120.67E–.06 100–8 3.7b 20 1-57
IDC XI 03 08 16 55.9–1.4 0.60N 121.27E 0 4.1,4.0L ¶12072091
ISCJB XI 03 08 17 06.3–.61 0.29N–.06 120.66E–.06 107–8 3.7b,4.0L
DJA XI 03 08 17 07 0.27N 120.60E 37 4.4,4.0L
IDC Error ellipse: s-maj=66.3km s-min=22.5km az=64.0.
ISCJB Error ellipse: s-maj=11.0km s-min=9.2km az=144.5.
DJA XI 06 16 14 34 1.11N 121.11E 20 3.9
¶12922976
IDC XI 07 12 37 10.5–.65 0.32N 123.34E 0 3.8,3.6b
¶12072677
IDC Error ellipse: s-maj=115.3km s-min=8.3km az=61.0.
DJA XI 09 09 37 51 0.88S 123.68E 39 3.7
¶12922993
DJA XI 10 10 48 08 0.72S 123.30E 20 4.0
¶12922998
ISC XI 11 07 06 10.0–.45 0.67N–.03 121.94E–.04 105–6 3.8b 45 0-127
ISCJB XI 11 07 06 08.6–.46 0.68N–.03 121.92E–.04 111–6 3.8b ¶12073145
DJA XI 11 07 06 09 0.70N 121.90E 75 4.4b
NEIC XI 11 07 06 10.2–1.9 0.53N 121.72E 107–19 4.0b
IDC XI 11 07 06 11.8–6.8 0.46N 121.67E 118–64 3.8,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.2km az=34.0.
NEIC Event type se. Error ellipse: s-maj=36.7km s-min=8.2km az=69.0.
IDC Error ellipse: s-maj=90.2km s-min=17.3km az=65.0.
DJA XI 15 04 01 45 0.07N 120.14E 29 4.0
¶12923039
ISC XI 16 17 02 32.8–.08 1.35N–.01 122.16E–.01 28 7.0s,6.3b 1183 1-168
BJI XI 16 17 02 29.1 1.12N 122.45E 30 7.0s,6.9 ¶11453303
IDC XI 16 17 02 30.4–.91 1.21N 122.04E 14–4 6.9s,6.9
ISCJB XI 16 17 02 30.8–.08 1.35N–.01 122.18E–.01 27 7.0s,6.3b
NEIC XI 16 17 02 32.7–.11 1.27N 122.09E 30 7.4W,7.3W
MOS XI 16 17 02 34.1–1.3 1.28N 122.10E 51 7.0s,6.5b
DJA XI 16 17 02 35.3–.60 1N–2.0 122E–1.0 36–6 8.0,7.8
GCMT XI 16 17 02 43.8–.10 1.50N 122.05E 29–0 7.3W,7.8
SZGRF XI 16 17 02 55.5 2.52N 122.30E 33 7.1b,7.8
ISC Event type de.
IDC Error ellipse: s-maj=7.1km s-min=4.8km az=64.0.
ISCJB Event type de. Error ellipse: s-maj=2.1km s-min=1.9km az=174.9.

NEIC Event type de. Error ellipse: s-maj=4.7km s-min=3.6km az=64.0. At least six people killed, 77 injured, 10,000 people displaced, 1,000 buildings damaged and communications disrupted in the Buol area and in Gorontalo. Felt [VII] at Baolan; [VI] at Gorontalo and Tolitoli; [IV] at Manado and Poso; [III] at Luwuk. Also felt at Kolaka, Kuta, Makasar, Palu and Ujung Bulu. Felt [IV] at Bandar Seri Begawan, Brunei and [II] at Darwin, Australia. Felt at Kunak and Sandakan, Malaysia and at General Santos and Koronadal, Philippines. Complex earthquake, with at least two events about 4 seconds apart observed on broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s270.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s90.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm180.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm360.0000° Moment Tensor Solution. M_o4.30000×10^{19}

MOS Error ellipse: s-maj=7.0km s-min=4.1km az=115.0. Moment Tensor Solution. M_o1.10000×10^{20}

GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 122 sta. Surface waves: sta=120, comp=288, per= 50. Moment Tensor Solution. s124,c325; s99,c304; Moment tensor: Scale 10^{20}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta r}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s92.00000°,δ20.00000° ,λ84.00000°. NP2:ϕ_s278.00000°,δ70.00000°,λ92.00000°. Principal axes: T 1.3000,Plg65.0000°,Azm191.0000°; N 0.0400,Plg2.0000°,Azm97.0000° ; P -1.3300,Plg25.0000°,Azm6.0000° M_o1.30000×10^{20}

SZGRF Celebes Sea.

ISC	**XI**	**16 17 34 39.1–.12**	**1.39N–.02**	**122.17E–.02**	**33**	**6.1s,5.5b**	**525**	**1-164**
BJI	XI	16 17 34 35.7	1.35N	122.32E	25	6.0s,5.8b		¶11453307
ISCJB	XI	16 17 34 36.9–.12	1.39N–.02	122.17E–.02	32	6.1s,5.5b		
MOS	XI	16 17 34 37.2–1.1	1.30N	122.09E	35	6.5s,5.8b		
IDC	XI	16 17 34 38.2–.35	1.27N	122.05E	31–2	5.6L,5.6s		
NEIC	XI	16 17 34 38.6–.13	1.29N	122.11E	35	5.6b,5.6s		
DJA	XI	16 17 34 41.2–.20	1N–2.0	122E–1.0	45–3	6.6b,6.4		
ISC	Event type fe.							
ISCJB	Event type fe.							
NEIC	Event type fe. Felt [IV] at Gorontalo and [III] at Manado.							
DJA	**XI**	**16 18 00 03**	**1.69N**	**121.63E**	**30**	**3.9**		
								¶12923056
ISC	**XI**	**16 18 07 07.5–.75**	**1.16N–.06**	**121.98E–.06**	**46–9**	**3.6b**	**26**	**1-57**
IDC	XI	16 18 07 01.4–.90	1.10N	121.94E	0	4.5L,4.0		¶12073770
ISCJB	XI	16 18 07 05.8–.78	1.20N–.06	121.95E–.06	51–9	3.6b,4.0		
NEIC	XI	16 18 07 06.7–.58	1.05N	121.92E	35	3.7b,4.0		
DJA	XI	16 18 07 10	1.01N	121.52E	20	4.5,4.0		
ISC	Event type se.							
IDC	Error ellipse: s-maj=119.3km s-min=17.4km az=66.0.							
ISCJB	Event type se. Error ellipse: s-maj=10.4km s-min=9.0km az=142.9.							
NEIC	Event type se. Error ellipse: s-maj=39.7km s-min=8.4km az=59.0.							
ISC	**XI**	**16 18 20 35.0–.27**	**1.22N–.02**	**121.84E–.02**	**57–2**	**5.5s,5.4b**	**449**	**1-164**
BJI	XI	16 18 20 26.9	0.99N	122.02E	20	5.9b,5.7s		¶11453310
MOS	XI	16 18 20 31.0–.97	1.14N	121.79E	38	5.6b,5.7s		
NEIC	XI	16 18 20 32.4–.15	1.13N	121.78E	35	5.5b,5.7s		
ISCJB	XI	16 18 20 32.7–.33	1.25N–.02	121.84E–.02	51–3	5.5s,5.4b		
IDC	XI	16 18 20 33.6–1.4	1.11N	121.78E	45–12	5.4s,5.4		
DJA	XI	16 18 20 35.2–.20	1N–2.0	122E–1.0	49–4	6.2b,6.0		
ISC	Event type fe.							
NEIC	Event type fe. Felt [III] at Gorontalo.							
ISCJB	Event type fe.							
ISC	**XI**	**16 18 31 09.2–2.1**	**1.6N–.20**	**122.0E–.10**	**47–16**	**3.3b**	**12**	**1-57**
ISCJB	XI	16 18 31 07.6–2.2	1.7N–.20	122.0E–.10	53–15	3.3b		¶12073771
IDC	XI	16 18 31 07.8–1.6	1.25N	122.28E	0	3.6,3.5L		
DJA	XI	16 18 31 07	1.75N	121.93E	30	4.2,3.5L		
ISCJB	Error ellipse: s-maj=29.2km s-min=14.4km az=146.6.							
IDC	Error ellipse: s-maj=147.7km s-min=23.5km az=64.0.							
ISC	**XI**	**16 19 16 13.9–.63**	**1.32N–.05**	**122.41E–.06**	**60–8**	**4.3b**	**59**	**1-119**
MOS	XI	16 19 16 09.0–1.2	0.59N	120.84E	33	4.7b		¶12073774
ISCJB	XI	16 19 16 11.7–.66	1.36N–.05	122.34E–.05	57–8	5.7s,4.3b		
NEIC	XI	16 19 16 12.3–.98	1.26N	122.23E	44–10	4.3b,4.3b		
IDC	XI	16 19 16 13.4–5.8	1.27N	122.31E	54–56	4.7L,4.0		
DJA	XI	16 19 16 14	1.43N	122.27E	30	4.7,4.0		
ISC	Event type se.							
MOS	Error ellipse: s-maj=58.7km s-min=12.9km az=113.9.							
ISCJB	Event type se. Error ellipse: s-maj=9.1km s-min=7.6km az=170.1.							
NEIC	Event type se. Error ellipse: s-maj=14.5km s-min=6.7km az=75.0.							
IDC	Error ellipse: s-maj=78.1km s-min=14.1km az=71.0.							
ISC	**XI**	**16 19 59 25.2–.72**	**1.44N–.06**	**122.29E–.05**	**43–9**	**3.8b**	**36**	**1-67**
ISCJB	XI	16 19 59 23.6–.79	1.44N–.06	122.26E–.05	49–9	3.8b		¶12073777
NEIC	XI	16 19 59 24.2–.41	1.30N	122.12E	35	4.0b		
DJA	XI	16 19 59 24	1.48N	122.35E	30	4.3b		
IDC	XI	16 19 59 35.8–4.2	1.20N	122.18E	148–42	3.5,3.5		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=9.3km s-min=8.9km az=23.4.							
NEIC	Event type se. Error ellipse: s-maj=17.4km s-min=7.0km az=69.0.							
IDC	Error ellipse: s-maj=48.6km s-min=12.1km az=73.0.							
ISC	**XI**	**16 20 20 16.8–.98**	**1.36N–.06**	**122.38E–.09**	**42–10**	**3.8b**	**34**	**1-82**
IDC	XI	16 20 20 11.0–.85	1.26N	122.28E	0	4.5s,4.5		¶12073780
DJA	XI	16 20 20 11	1.89N	122.02E	30	4.4,4.5		
NEIC	XI	16 20 20 16.0–.53	1.33N	122.33E	35	3.8b,4.5		
ISC	Event type se.							
IDC	Error ellipse: s-maj=114.6km s-min=15.2km az=66.0.							
NEIC	Event type se. Error ellipse: s-maj=24.7km s-min=8.6km az=66.0.							
ISC	**XI**	**16 20 26 42.7–.42**	**1.41N–.05**	**122.43E–.06**	**37**	**4.1b**	**44**	**1-119**
ISCJB	XI	16 20 26 40.5–.42	1.43N–.04	122.41E–.06	35	4.1b		¶12073781
DJA	XI	16 20 26 40	1.61N	122.27E	30	4.7b		
NEIC	XI	16 20 26 42.2–.35	1.34N	122.35E	35	4.3b		
IDC	XI	16 20 26 42.4–.76	1.33N	122.38E	35–6	4.2L,4.1		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.7km s-min=6.4km az=179.4.							
NEIC	Event type se. Error ellipse: s-maj=13.5km s-min=6.0km az=69.0.							
IDC	Error ellipse: s-maj=33.5km s-min=13.0km az=68.0.							
ISC	**XI**	**16 20 34 47.8–1.2**	**1.21N–.09**	**122.2E–.10**	**76–13**	**3.6b**	**23**	**1-119**
IDC	XI	16 20 34 38.6–.95	1.37N	122.31E	0	3.9,3.8b		¶12073782
NEIC	XI	16 20 34 43.7–.55	1.30N	122.26E	35	3.8b,3.8b		
ISCJB	XI	16 20 34 45.9–1.3	1.25N–.09	122.1E–.10	75–12	3.6b,3.8b		
DJA	XI	16 20 34 53	0.67N	122.12E	30	4.1,3.8b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=114.7km s-min=16.8km az=67.0.							
NEIC	Event type se. Error ellipse: s-maj=26.4km s-min=9.4km az=74.0.							
ISCJB	Event type se. Error ellipse: s-maj=17.8km s-min=14.4km az=161.6.							
DJA	**XI**	**16 20 42 25**	**0.16N**	**121.69E**	**30**	**3.7**		
								¶12923059
ISC	**XI**	**16 21 38 02.3–.65**	**1.48N–.05**	**122.24E–.05**	**54–7**	**4.1b**	**47**	**1-97**
IDC	XI	16 21 37 55.6–.89	1.25N	121.86E	0	4.1L,4.1		¶12073789
DJA	XI	16 21 37 59	1.40N	122.24E	10	4.6,4.1		
ISCJB	XI	16 21 38 00.6–.72	1.48N–.05	122.20E–.04	56–8	4.1b,4.1		
NEIC	XI	16 21 38 00.3–1.3	1.24N	121.96E	35–13	4.3b,4.1		
ISC	Event type se.							
IDC	Error ellipse: s-maj=127.2km s-min=15.8km az=66.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.8km s-min=7.3km az=26.1.							
NEIC	Event type se. Error ellipse: s-maj=16.6km s-min=5.1km az=57.0.							
ISC	**XI**	**16 22 33 48.2–1.1**	**1.40N–.03**	**122.34E–.03**	**14–7**	**4.7b,4.2s**	**222**	**1-162**
ISCJB	XI	16 22 33 45.6–1.0	1.43N–.02	122.32E–.03	9–6	4.7b,4.2s		¶11453313
BJI	XI	16 22 33 45.3	1.20N	122.21E	10	4.9b,4.6s		
IDC	XI	16 22 33 49.0–7.2	1.35N	122.22E	24–48	5.1L,4.4		
NEIC	XI	16 22 33 50.0–1.8	1.36N	122.25E	31–13	4.9b,4.4		
MOS	XI	16 22 33 49.0–.79	1.38N	122.30E	38	5.0b,4.1s		
DJA	XI	16 22 33 51.2–.90	1N–3.0	122E–3.0	18–9	5.3b,5.2		
ISC	Event type se.							
ISCJB	Event type se.							
NEIC	Event type se.							
IDC	**XI**	**16 22 44 42.6–7.2**	**0.48N**	**122.63E**	**218–68**	**3.2,3.0**		
								¶12073795
IDC	Error ellipse: s-maj=83.2km s-min=22.4km az=63.0.							
ISC	**XI**	**16 23 21 31.2–.75**	**1.41N–.05**	**122.38E–.06**	**57–8**	**4.2b**	**48**	**1-119**
IDC	XI	16 23 21 23.7–.59	1.35N	122.25E	0	4.7L,4.3		¶12073802
NEIC	XI	16 23 21 26.6–3.7	1.30N	122.16E	18–24	4.4b,4.3		
ISCJB	XI	16 23 21 29.3–.81	1.44N–.05	122.39E–.06	58–8	4.2b,4.3		
DJA	XI	16 23 21 32	1.25N	122.44E	16	4.6,4.3		
ISC	Event type se.							
IDC	Error ellipse: s-maj=27.1km s-min=12.3km az=70.0.							
NEIC	Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=75.0.							
ISCJB	Event type se. Error ellipse: s-maj=10.9km s-min=8.7km az=16.9.							
DJA	**XI**	**17 00 00 47**	**0.87N**	**121.54E**	**30**	**3.8**		
								¶12923064
ISC	**XI**	**17 00 15 15.5–.84**	**1.31N–.05**	**122.23E–.07**	**57–9**	**4.2b**	**45**	**1-61**
IDC	XI	17 00 15 08.0–.83	1.38N	122.41E	0	4.0,3.9L		¶12073804
ISCJB	XI	17 00 15 13.9–.83	1.30N–.05	122.16E–.07	60–9	4.2b,3.9L		
NEIC	XI	17 00 15 13.2–.32	1.31N	122.29E	35	4.5b,3.9L		
DJA	XI	17 00 15 15	1.27N	122.19E	30	4.5b,3.9L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=47.7km s-min=14.9km az=64.0.							
ISCJB	Event type se. Error ellipse: s-maj=12.7km s-min=6.5km az=150.8.							
NEIC	Event type se. Error ellipse: s-maj=13.2km s-min=5.4km az=61.0.							
ISC	**XI**	**17 01 26 18.8–.74**	**1.34N–.07**	**122.39E–.07**	**35**	**3.5b**	**13**	**1-62**
IDC	XI	17 01 26 13.2–1.2	1.18N	122.16E	0	3.8L,3.5		¶12073808
ISCJB	XI	17 01 26 16.6–.74	1.40N–.07	122.35E–.06	33	3.5b,3.5		
DJA	XI	17 01 26 16	1.45N	122.38E	20	4.3b,3.5		
IDC	Error ellipse: s-maj=116.7km s-min=21.0km az=68.0.							
ISCJB	Error ellipse: s-maj=10.8km s-min=7.9km az=138.4.							
DJA	**XI**	**17 02 50 15**	**0.50N**	**120.97E**	**30**	**4.2**		
								¶12923066
DJA	**XI**	**17 03 26 52**	**1.15N**	**121.63E**	**10**	**3.9**		
								¶12923067
ISC	**XI**	**17 11 30 49.9–2.0**	**0.77N–.08**	**121.33E–.08**	**16–12**	**3.4b**	**18**	**1-49**
IDC	XI	17 11 30 48.0–1.8	0.80N	121.98E	0	3.7,3.5b		¶12073845
ISCJB	XI	17 11 30 49.6–1.9	0.79N–.07	121.28E–.08	29–14	3.4b,3.5b		
DJA	XI	17 11 30 52	0.67N	121.28E	30	4.1,3.5b		
IDC	Error ellipse: s-maj=143.3km s-min=25.4km az=71.0.							
ISCJB	Error ellipse: s-maj=14.8km s-min=10.9km az=31.2.							
ISC	**XI**	**17 14 16 00.8–.46**	**1.47N–.04**	**122.33E–.05**	**52–7**	**3.9b**	**44**	**1-61**
IDC	XI	17 14 15 54.8–.98	1.34N	122.39E	0	4.3L,4.1		¶12073861
ISCJB	XI	17 14 15 58.7–.52	1.47N–.04	122.31E–.04	50–8	3.9b,4.1		
DJA	XI	17 14 15 58	1.50N	122.34E	10	4.5,4.1		
NEIC	XI	17 14 15 59.7–.45	1.28N	122.23E	36	3.8b,4.1		
ISC	Event type se.							
IDC	Error ellipse: s-maj=83.4km s-min=17.4km az=65.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.4km s-min=5.9km az=179.1.							
NEIC	Event type se. Error ellipse: s-maj=15.7km s-min=6.8km az=64.0.							
DJA	**XI**	**17 17 13 23**	**1.12N**	**121.31E**	**10**	**3.7**		
								¶12923077
ISC	**XI**	**17 17 46 54.5–1.4**	**0.8N–.10**	**123.3E–.10**	**35**	**3.2b**	**9**	**1-49**
DJA	XI	17 17 46 44	1.61N	122.83E	10	4.0		¶12073883
IDC	XI	17 17 46 49.5–1.6	0.73N	123.03E	0	3.6,3.4		
ISCJB	XI	17 17 46 52.4–1.2	0.8N–.10	123.2E–.10	33	3.2b,3.4		
ISC	**XI**	**17 17 52 30.3–.42**	**0.21N–.05**	**122.45E–.06**	**160–4**	**3.8b**	**37**	**1-63**
IDC	XI	17 17 52 12.0–.98	0.71N	123.17E	0	4.2L,3.8		¶11528350
NEIC	XI	17 17 52 17.0–.79	0.57N	123.04E	35	3.8b,3.8		
ISCJB	XI	17 17 52 29.2–.45	0.22N–.05	122.49E–.06	170–5	3.8b,3.8		
DJA	XI	17 17 52 32	0.20N	122.37E	126	3.9,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=81.3km s-min=15.5km az=63.0.							
NEIC	Event type se. Error ellipse: s-maj=44.1km s-min=11.8km az=66.0.							
ISCJB	Event type se. Error ellipse: s-maj=10.4km s-min=9.0km az=0.8.							
IDC	**XI**	**17 19 57 45.3–1.8**	**1.90N**	**123.45E**	**0**	**3.6,3.4b**		
								¶12073895
IDC	Error ellipse: s-maj=206.2km s-min=25.8km az=62.0.							
ISC	**XI**	**17 20 37 20.0–1.9**	**1.0N–.10**	**121.5E–.10**	**54–15**	**3.5b**	**13**	**1-48**
IDC	XI	17 20 37 13.6–1.7	1.40N	122.41E	0	4.2L,3.8		¶12073905
ISCJB	XI	17 20 37 18.8–1.8	1.0N–.10	121.5E–.10	60–12	3.5b,3.8		
DJA	XI	17 20 37 21	1.08N	121.73E	11	4.1,3.8		
IDC	Error ellipse: s-maj=139.6km s-min=25.1km az=71.0.							
ISCJB	Error ellipse: s-maj=21.3km s-min=16.9km az=35.0.							
ISC	**XI**	**17 21 03 03.6–.50**	**1.34N–.03**	**122.21E–.04**	**55–5**	**4.7b,3.6s**	**108**	**1-148**
ISCJB	XI	17 21 03 01.5–.54	1.36N–.03	122.17E–.04	53–5	4.7b,3.6s		¶11456754
DJA	XI	17 21 03 01.1–.30	1N–3.0	122E–2.0	10–0	5.2b,5.0		
NEIC	XI	17 21 03 02.3–.85	1.28N	122.14E	42–8	4.7b,5.0		
IDC	XI	17 21 03 03.0–3.4	1.31N	122.16E	48–33	4.8L,4.3		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=6.1km s-min=5.4km az=156.4.							
NEIC	Event type se. Error ellipse: s-maj=10.2km s-min=5.0km az=74.0.							
IDC	Error ellipse: s-maj=33.3km s-min=10.5km az=73.0.							
DJA	**XI**	**18 01 17 34**	**1.34N**	**121.65E**	**20**	**4.1**		
								¶12923090
DJA	**XI**	**18 10 50 05**	**1.30N**	**121.86E**	**10**	**4.0**		
								¶12923093
DJA	**XI**	**18 12 14 51**	**1.14N**	**121.26E**	**10**	**4.0**		
								¶12923094
DJA	**XI**	**20 06 22 03**	**0.41S**	**122.51E**	**12**	**3.9**		
								¶12923123
DJA	**XI**	**20 12 30 07**	**0.06S**	**121.92E**	**10**	**3.7**		
								¶12923125
ISC	**XI**	**20 17 27 38.0–.50**	**1.38N–.05**	**122.23E–.06**	**35**	**4.0b**	**28**	**1-61**
IDC	XI	20 17 27 32.8–.81	1.13N	121.61E	0	4.0b,4.0		¶12074288
DJA	XI	20 17 27 34	1.31N	122.32E	10	4.4,4.0		
ISCJB	XI	20 17 27 35.7–.50	1.37N–.04	122.19E–.06	33	4.0b,4.0		
NEIC	XI	20 17 27 37.9–.59	1.10N	121.68E	35	4.3b,4.0		
ISC	Event type se.							
IDC	Error ellipse: s-maj=121.9km s-min=14.8km az=65.0.							
ISCJB	Event type se. Error ellipse: s-maj=8.6km s-min=6.3km az=13.3.							
NEIC	Event type se. Error ellipse: s-maj=75.6km s-min=10.4km az=66.0.							
ISC	**XI**	**21 04 55 53.5–.17**	**0.10N–.02**	**123.66E–.03**	**143**	**4.8b**	**268**	**1-163**
ISCJB	XI	21 04 55 51.8–.17	0.18N–.02	123.66E–.03	141	4.8b		¶11479720
IDC	XI	21 04 55 51.9–.59	0.18N	123.49E	129–5	4.5,4.5		
BJI	XI	21 04 55 52.5	0.10N	123.60E	151	5.0b,4.8b		
MOS	XI	21 04 55 53.7–1.3	0.21N	123.49E	161	4.8b,4.8b		
GCMT	XI	21 04 55 53.9–.30	0.26N	123.89E	129–2	4.9W,4.8b		
NEIC	XI	21 04 55 55.6–.89	0.09N	123.53E	163–8	4.8b,4.8b		
DJA	XI	21 04 55 55	0.03S	123.67E	101	5.1b,4.8b		
TEH	XI	21 04 55 55.0	0.10N	123.60E	151	5.1b,4.8b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.2km s-min=3.2km az=158.4.							
IDC	Error ellipse: s-maj=15.1km s-min=7.3km az=71.0.							
MOS	Error ellipse: s-maj=14.2km s-min=6.4km az=115.2.							
GCMT	Event type se. Data Used: IC G IU II CN. Moment Tensor Solution. s25,c27; s64,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}2.50±.11 $M_{\theta\theta}$-2.00±.17; $M_{\phi\phi}$-0.50±.21; $M_{r\theta}$0.66±.10; $M_{\theta\phi}$-1.61±.12; $M_{\theta r}$-1.19±.12; Best double couple: NP1:ϕ_s82.00000°,δ50.00000°,λ126.00000°. NP2:ϕ_s213.00000°,δ52.00000°,λ55.00000°. Principal axes: T 3.1900,Plg63.0000° ,Azm59.0000°; N -0.1600,Plg27.0000°,Azm237.0000°; P -3.0300,Plg1.0000°,Azm327.0000° M_o3.10000×10^{16}							
NEIC	Event type se. Error ellipse: s-maj=8.7km s-min=4.9km az=66.0.							
DJA	**XI**	**21 13 58 57**	**0.08S**	**122.13E**	**24**	**3.5**		
								¶12923145
IDC	**XI**	**21 16 15 46.5–1.6**	**1.56N**	**122.76E**	**0**	**3.5,3.3**		
								¶12074408
IDC	Error ellipse: s-maj=152.6km s-min=23.5km az=64.0.							
DJA	**XI**	**22 08 41 45**	**1.40N**	**121.87E**	**10**	**4.0**		
								¶12923147
DJA	**XI**	**22 12 54 03**	**1.09N**	**124.07E**	**10**	**3.7**		
								¶12923149
ISC	**XI**	**23 01 32 10.7–.46**	**0.05S–.06**	**122.87E–.07**	**169–4**	**3.9b**	**31**	**1-120**
ISCJB	XI	23 01 32 09.5–.47	0.04S–.06	122.86E–.07	175–4	3.9b		¶12074549
IDC	XI	23 01 32 11.0–2.9	0.02S	122.93E	173–27	3.6,3.4b		
DJA	XI	23 01 32 13	0.08S	122.86E	139	4.0,3.4b		
NEIC	XI	23 01 32 16.1–1.8	0.28S	122.70E	228–20	4.0b,3.4b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=11.7km s-min=9.2km az=158.8.							

IDC Error ellipse: s-maj=52.3km s-min=12.2km az=64.0.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=9.0km az=59.0.
DJA XI 23 19 33 49 1.34N 121.46E 10 4.2
¶12923161
DJA XI 24 03 36 39 0.85S 121.85E 147 3.7
¶12923162
ISC XI 25 03 31 07.6–1.1 1.14N–.08 122.04E–.09 94–10 3.8b 36 1-119
IDC XI 25 03 30 56.4–.75 1.26N 122.06E 0 4.6L,4.2 **¶12074757**
NEIC XI 25 03 31 01.6–.36 1.33N 122.26E 35 4.1b,4.2
DJA XI 25 03 31 02 1.34N 121.87E 10 4.6,4.2
ISC Event type se.
IDC Error ellipse: s-maj=51.8km s-min=14.7km az=69.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=6.6km az=81.0.
DJA XI 25 10 41 17 0.94N 122.85E 56 3.7
¶12923173
ISC XI 27 01 48 05.0–.47 0.32N–.06 122.50E–.06 107–5 3.9b 22 1-58
IDC XI 27 01 47 51.7–1.6 0.58N 122.80E 0 3.8L,3.7 **¶12074980**
ISCJB XI 27 01 48 03.9–.46 0.32N–.06 122.50E–.06 114–5 3.9b,3.7
DJA XI 27 01 48 04 0.48N 122.42E 102 4.2,3.7
IDC Error ellipse: s-maj=133.4km s-min=23.0km az=64.0.
ISCJB Error ellipse: s-maj=10.2km s-min=9.4km az=35.1.
ISC XI 27 09 28 34.7–.52 0.05S–.06 123.48E–.06 121–6 4.4b 47 1-121
ISCJB XI 27 09 28 33.7–.54 0.02S–.06 123.48E–.06 127–6 4.4b **¶12075020**
DJA XI 27 09 28 35 0.09S 123.42E 106 4.6
IDC XI 27 09 28 39.8–5.6 0.01N 123.66E 177–57 3.9,3.7b
NEIC XI 27 09 28 41.0–4.8 0.02S 123.64E 192–49 4.3b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.0km az=136.4.
IDC Error ellipse: s-maj=27.3km s-min=12.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=11.5km az=65.0.
DJA XI 28 03 45 14 1.22N 121.87E 10 3.9
¶12923211
DJA XI 28 10 04 44 1.18N 122.04E 10 3.4
¶12923213
ISC XI 28 12 56 43.2–.63 0.20N–.05 119.43E–.05 50–7 4.0b,3.7s 56 2-129
ISCJB XI 28 12 56 41.6–.67 0.21N–.05 119.43E–.05 54–7 4.0b,3.7s **¶12075141**
DJA XI 28 12 56 41 0.10N 119.46E 10 4.9,3.7s
IDC XI 28 12 56 42.0–.75 0.13N 119.36E 41–5 3.9,3.8
NEIC XI 28 12 56 42.4–.80 0.18N 119.40E 42–9 4.5b,3.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=7.4km az=150.8.
IDC Error ellipse: s-maj=34.1km s-min=12.1km az=59.0.
NEIC Event type fe. Error ellipse: s-maj=25.3km s-min=7.6km az=63.0. Felt [III] at Kasimbar and Parigi.
ISC XI 29 07 19 09.9–.63 0.43N–.07 122.21E–.10 124–8 4.0b 13 0-58
IDC XI 29 07 18 55.5–1.3 0.18N 121.66E 0 4.2,4.1 **¶12075234**
ISCJB XI 29 07 19 08.8–.64 0.44N–.07 122.20E–.10 131–8 3.9b,4.1
DJA XI 29 07 19 11 0.45N 122.18E 89 3.7,4.1
IDC Error ellipse: s-maj=221.2km s-min=22.0km az=60.0.
ISCJB Error ellipse: s-maj=16.1km s-min=11.2km az=172.1.
DJA XI 30 08 20 08 1.02N 122.21E 10 3.9
¶12923236
DJA XI 30 17 51 06 1.61N 121.57E 10 3.6
¶12923241
DJA XI 30 23 20 51 1.08N 121.22E 23 3.6
¶12923244
ISC XII 01 01 31 06.2–.93 1.54N–.07 121.64E–.10 10 3.9b 12 1-38
ISCJB XII 01 01 31 04.8–.96 1.62N–.09 121.6E–.10 10 3.9b **¶12075378**
DJA XII 01 01 31 08 1.76N 121.81E 10 4.0
IDC XII 01 01 31 15.8–9.0 0.06S 121.49E 0 4.1,3.9b
ISCJB Error ellipse: s-maj=17.2km s-min=9.9km az=139.5.
IDC Error ellipse: s-maj=187.9km s-min=139.0km az=49.0.
DJA XII 01 07 21 41 0.05S 122.06E 229 3.6
¶12923246
DJA XII 02 12 47 10 1.33N 122.19E 10 4.2
¶12923261
DJA XII 02 22 36 33 0.51S 122.64E 10 3.5
¶12923269
DJA XII 03 09 30 06 1.10N 120.90E 10 3.6
¶12923274
DJA XII 05 02 14 37 0.59N 121.14E 66 4.0
¶12923290
ISC XII 06 10 48 05.2–.45 0.52N–.03 120.62E–.03 49–5 5.2s,4.8b 214 1-148
MOS XII 06 10 48 01.2–1.3 0.50N 120.58E 33 5.1b,4.8b **¶11493262**
DJA XII 06 10 48 03.1–1.1 1N–3.0 121E–2.0 20–14 5.2b,5.1
ISCJB XII 06 10 48 03.5–.51 0.52N–.03 120.62E–.03 51–5 5.2s,4.8b
BJI XII 06 10 48 03.3 0.60N 120.60E 35 5.4s,5.2b
NEIC XII 06 10 48 04.4–1.2 0.50N 120.62E 45–11 4.9b,5.2b
IDC XII 06 10 48 06.1–2.5 0.49N 120.58E 63–23 4.4,4.3b
ISC Event type se.
MOS Error ellipse: s-maj=15.5km s-min=6.8km az=113.7.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.7km az=142.2.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=4.8km az=59.0.
IDC Error ellipse: s-maj=19.9km s-min=9.7km az=72.0.
DJA XII 06 18 01 13 0.94N 120.34E 85 3.6
¶12923310
DJA XII 06 21 02 53 0.97N 123.28E 20 3.7
¶12923313
ISC XII 07 15 43 13.8–.60 1.31N–.06 121.91E–.07 35 3.5b 26 1-57
IDC XII 07 15 43 08.9–1.1 1.48N 122.24E 0 3.6,3.5b **¶12076222**
NEIC XII 07 15 43 09.6–.66 1.38N 122.14E 10 3.7b,3.5b
ISCJB XII 07 15 43 11.7–.60 1.37N–.05 121.86E–.06 33 3.5b,3.5b
DJA XII 07 15 43 11 1.36N 122.04E 10 4.3,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=65.0km s-min=19.8km az=69.0.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=9.8km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.0km az=149.3.
ISC XII 10 15 17 07.6–.31 0.39N–.04 124.00E–.05 197–3 4.2b 73 0-75
IDC XII 10 15 17 02.0–8.3 0.46N 123.85E 142–84 4.0,3.9b **¶12076760**
ISCJB XII 10 15 17 06.5–.31 0.41N–.04 124.00E–.05 203–3 4.2b,3.9b
DJA XII 10 15 17 09 0.17N 124.08E 171 4.5,3.9b
NEIC XII 10 15 17 15.5–1.8 0.30N 123.98E 287–20 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=13.8km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.2km az=140.7.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=6.4km az=59.0.
ISC XII 10 22 57 11.7–.40 0.62N–.04 121.63E–.04 106–5 4.6b 80 0-62
ISCJB XII 10 22 57 10.5–.42 0.62N–.04 121.63E–.04 110–5 4.6b **¶12076809**
DJA XII 10 22 57 11 0.71N 121.59E 90 4.8b
NEIC XII 10 22 57 11.8–2.1 0.54N 121.58E 110–20 4.8b
IDC XII 10 22 57 13.9–3.0 0.51N 121.49E 131–27 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.7km az=34.2.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=5.3km az=54.0.
IDC Error ellipse: s-maj=41.9km s-min=10.2km az=70.0.
ISC XII 11 06 30 58.6–.58 0.15N–.08 123.56E–.08 218–5 3.7b 17 1-62
IDC XII 11 06 30 34.4–1.2 1.00N 124.55E 0 4.1,4.0L **¶12076856**
ISCJB XII 11 06 30 57.5–.58 0.16N–.08 123.54E–.08 225–5 3.7b,4.0L
DJA XII 11 06 30 59 0.08N 123.56E 211 3.7,4.0L
IDC Error ellipse: s-maj=112.6km s-min=18.5km az=67.0.
ISCJB Error ellipse: s-maj=14.4km s-min=11.0km az=38.1.
IDC XII 11 19 17 46.9–1.8 0.56N 124.87E 0 3.6,3.4
¶12076977
IDC Error ellipse: s-maj=182.5km s-min=24.9km az=64.0.
ISC XII 11 21 40 53.0–.10 0.10N–.02 123.57E–.02 141 6.0b 815 1-169
BJI XII 11 21 40 44.5 0.56S 124.04E 132 6.1b,6.1b **¶13813802**
NEIC XII 11 21 40 51.9–.09 0.06N 123.43E 129 6.1b,5.9W
ISCJB XII 11 21 40 51.2–.10 0.12N–.02 123.60E–.02 139 6.0b,5.9W
BGS XII 11 21 40 51.4–2.5 0.38S 123.41E 133–0 6.1b,5.9W
MOS XII 11 21 40 52.2–.94 0.08N 123.44E 149 6.2b,5.0s
IDC XII 11 21 40 52.7–.59 0.13N 123.43E 136–4 5.7,5.7b
DJA XII 11 21 40 54.2–.20 0N–2.0 124E–1.0 133–2 6.6,6.3b
GCMT XII 11 21 40 54.0–.10 0.00N 123.64E 135–0 5.9W,6.3b
SZGRF XII 11 21 41 12.6 4.66N 117.61E 33 5.8b,5.1s
ISC Event type se.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.1km az=64.0. Felt [IV] at Luwuk and [III] at Gorontalo. Also felt at Kotamobagu. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}1.87 $M_{\theta\theta}$-2.69 $M_{\phi\phi}$0.82 $M_{r\theta}$7.57 $M_{\theta\phi}$1.59 $M_{\phi r}$1.69 Best double couple: NP1:ϕ_s79.00000°,δ83.00000°,λ75.00000°. NP2:ϕ_s325.00000° ,δ17.00000°,λ155.00000°. Principal axes: T 8.2200,Plg49.0000°,Azm332.0000° ; N 0.1100,Plg14.0000°,Azm80.0000°; P -8.3200,Plg36.0000°,Azm182.0000° $M_0$8.30000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.2km az=168.3.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.9km s-min=4.2km az=115.7.
IDC Error ellipse: s-maj=11.6km s-min=7.0km az=71.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=118, comp=279, per= 50. Moment Tensor Solution. s112,c259; s76,c91; Moment tensor: Scale 10^{17}Nm; M_{rr}3.33±.07 $M_{\theta\theta}$-3.11±.08; $M_{\phi\phi}$-0.22±.08; $M_{r\theta}$8.23±.05; $M_{\theta\phi}$2.12±.07; $M_{\phi r}$1.05±.06; Best double couple: NP1:ϕ_s323.00000°,δ18.00000°,λ144.00000°. NP2:ϕ_s87.00000°,δ80.00000°,λ75.00000°. Principal axes: T 9.3900,Plg53.0000°,Azm339.0000°; N -0.5100,Plg15.0000°,Azm90.0000° ; P -8.8900,Plg33.0000°,Azm189.0000° $M_0$9.10000×10^{17}
SZGRF Borneo.
DJA XII 11 21 55 12 0.75N 124.55E 232 4.2
¶12923383
DJA XII 13 20 05 22 0.17N 124.98E 10 3.6
¶12923399
IDC XII 15 14 37 28.3–1.8 0.51N 124.48E 0 4.1b,4.1
¶12077617
IDC Error ellipse: s-maj=129.6km s-min=29.3km az=68.0.
ISC XII 15 19 54 24.8–.60 0.7N–.20 123.6E–.50 300 3.5b 17 19-63
ISCJB XII 15 19 54 23.1–.60 0.7N–.20 123.6E–.50 300 3.5b **¶12077653**
NEIC XII 15 19 54 24.6–.52 0.71N 123.69E 300 3.6b
IDC XII 15 19 54 27.0–10 0.68N 123.64E 323–123 3.2,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=70.5km s-min=9.8km az=157.1.
NEIC Event type se. Error ellipse: s-maj=61.7km s-min=9.0km az=68.0.
IDC Error ellipse: s-maj=97.7km s-min=19.7km az=61.0.
DJA XII 16 08 16 52 1.09N 122.05E 10 3.8
¶12923425
ISC XII 16 13 07 00.8–1.6 1.62N–.07 122.45E–.05 3–10 3.4b 28 1-57
IDC XII 16 13 06 59.6–1.1 1.54N 122.43E 0 4.0L,3.7 **¶12077757**
NEIC XII 16 13 07 01.0–.55 1.50N 122.34E 10 3.5b,3.7
DJA XII 16 13 07 03 1.66N 122.51E 11 4.4,3.7
ISC Event type se.
IDC Error ellipse: s-maj=110.1km s-min=18.2km az=67.0.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=7.6km az=58.0.
IDC XII 17 02 47 28.9–11 1.85N 122.79E 0 4.1,3.9b
¶12077841
IDC Error ellipse: s-maj=203.2km s-min=129.3km az=119.0.
DJA XII 17 02 57 15 0.23S 123.25E 101 3.7
¶12923431
DJA XII 17 10 54 18 0.00N 123.40E 118 3.7
¶12923432
ISC XII 18 03 03 33.7–.50 1.40N–.03 122.29E–.04 38–6 4.5b,3.9s 96 1-127
BJI XII 18 03 03 28.6 0.60N 122.09E 35 4.9b,4.7b **¶12078005**
ISCJB XII 18 03 03 31.2–.57 1.43N–.03 122.31E–.04 34–6 4.5b,3.9s
DJA XII 18 03 03 31.8–1.6 1N–4.0 122E–4.0 10–0 5.3b,5.0b
NEIC XII 18 03 03 33.0–.36 1.32N 122.23E 35 4.6b,5.0b
IDC XII 18 03 03 32.6–.70 1.28N 122.25E 36–5 5.1L,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.1km az=162.8.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.8km az=70.0.
IDC Error ellipse: s-maj=29.6km s-min=11.3km az=72.0.
ISC XII 18 13 33 00.8–.92 1.59N–.06 122.56E–.07 39–12 3.7b,3.7s 17 1-61
IDC XII 18 13 32 55.1–.97 1.62N 122.68E 0 3.9,3.8b **¶12078059**
ISCJB XII 18 13 32 59.2–.96 1.63N–.06 122.53E–.07 44–11 3.7b,3.7s
DJA XII 18 13 33 01 1.53N 122.56E 35 4.3,3.7s
IDC Error ellipse: s-maj=206.3km s-min=17.7km az=65.0.
ISCJB Error ellipse: s-maj=12.7km s-min=9.8km az=28.1.
ISC XII 19 13 09 13.7–.27 0.16N–.03 122.53E–.03 177–2 4.6b 119 1-161
ISCJB XII 19 13 09 12.6–.28 0.18N–.03 122.53E–.03 183–3 4.6b **¶12078213**
IDC XII 19 13 09 13.8–.79 0.16N 122.31E 183–7 4.1,4.1
NEIC XII 19 13 09 13.3–.26 0.18N 122.49E 175 4.8b,4.1
DJA XII 19 13 09 15 0.17N 122.47E 144 4.7,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=5.0km az=162.2.
IDC Error ellipse: s-maj=19.5km s-min=7.2km az=70.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=5.2km az=60.0.
ISC XII 21 19 27 58.2–.62 1.35N–.05 122.19E–.04 48–8 3.7b,3.6s 38 1-148
IDC XII 21 19 27 51.6–.82 1.38N 122.46E 0 4.2L,3.9 **¶12078488**
DJA XII 21 19 27 55 1.42N 122.19E 9 4.5,3.9
ISCJB XII 21 19 27 56.5–.65 1.37N–.05 122.16E–.04 53–8 3.7b,3.6s
NEIC XII 21 19 27 58.0–4.8 1.27N 122.29E 46–46 3.7b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=60.2km s-min=16.4km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=7.2km az=172.3.
NEIC Event type se. Error ellipse: s-maj=62.1km s-min=11.1km az=62.0.
DJA XII 21 20 49 54 1.34N 122.14E 11 4.2
¶12923468
DJA XII 22 10 48 53 1.14N 121.51E 8 3.4
¶12923475
DJA XII 23 09 30 03 0.65S 123.32E 10 3.7
¶12923485
DJA XII 24 01 08 21 1.37N 122.05E 10 3.6
¶12923491
DJA XII 26 04 09 47 0.56S 122.55E 10 3.6
¶12923519
DJA XII 26 04 12 26 0.17S 121.31E 21 3.7
¶12923520
ISC XII 26 20 55 27.7–.53 1.63N–.07 124.80E–.06 232–4 4.1b 43 0-74
NEIC XII 26 20 55 17.4–3.0 2.09N 125.36E 135–29 4.2b **¶12079099**
ISCJB XII 26 20 55 26.6–.53 1.65N–.07 124.80E–.06 239–4 4.1b
IDC XII 26 20 55 26.2–6.1 1.73N 124.81E 214–59 3.7,3.6s
DJA XII 26 20 55 29 1.25N 124.77E 231 3.8,3.6s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=7.2km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.6km az=30.7.
IDC Error ellipse: s-maj=66.8km s-min=11.8km az=61.0.
ISC XII 27 09 35 03.7–.28 0.10S–.03 122.93E–.04 167–2 4.6b 133 1-154
BJI XII 27 09 35 01.9 0.93S 122.72E 213 4.8b,4.5b **¶11519515**
ISCJB XII 27 09 35 02.7–.28 0.08S–.03 122.94E–.04 173–3 4.6b,4.5b
IDC XII 27 09 35 04.4–.88 0.06S 122.95E 183–8 4.1,4.0
DJA XII 27 09 35 04 0.05S 122.93E 144 4.7,4.0
NEIC XII 27 09 35 04.1–.22 0.06S 122.98E 178 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.2km az=150.0.
IDC Error ellipse: s-maj=18.7km s-min=7.2km az=66.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.5km az=57.0.
IDC XII 27 15 26 13.9–9.5 1.79N 122.79E 0 4.1L,3.9
¶12079182
IDC Error ellipse: s-maj=171.2km s-min=121.3km az=115.0.
DJA XII 28 04 29 39 1.33N 120.56E 51 3.8
¶12923533
DJA XII 28 04 50 42 1.54N 121.22E 14 4.4
¶12923534
ISC XII 30 07 38 18.1–.36 0.07N–.04 123.74E–.04 138–4 4.3b 70 1-121
ISCJB XII 30 07 38 16.8–.39 0.11N–.04 123.72E–.04 144–4 4.3b **¶12079502**
IDC XII 30 07 38 17.9–.93 0.14N 123.66E 140–9 4.0,3.9b
DJA XII 30 07 38 19 0.11S 123.80E 104 4.6,3.9b
NEIC XII 30 07 38 21.4–1.5 0.04N 123.60E 177–16 4.6b,3.9b

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=6.0km az=20.1.
IDC Error ellipse: s-maj=20.2km s-min=9.5km az=73.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=6.2km az=63.0.

(266) Northern Molucca Sea.

ISC	VII	**02 03 54 54.6–.59**	**1.23N–.04**	**126.65E–.05**	**81–5**	**4.6b**	**128**	**1-148**
MOS	VII	02 03 54 47.6–1.0	1.28N	126.50E	33	5.0b		¶11006849
BJI	VII	02 03 54 48.2	1.20N	126.76E	43	4.8b,4.7b		
NEIC	VII	02 03 54 49.6–.23	1.31N	126.61E	35	4.9b,4.7b		
ISCJB	VII	02 03 54 53.5–.58	1.26N–.03	126.59E–.04	86–5	4.6b,4.7b		
IDC	VII	02 03 54 54.1–2.4	1.13N	126.52E	80–21	4.2,4.2		
DJA	VII	02 03 54 56	1.18N	126.58E	47	5.2b,4.2		

ISC Event type fe.
MOS Error ellipse: s-maj=19.7km s-min=7.8km az=115.3.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=4.7km az=72.0. Felt [III] on Ternate, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=7.9km s-min=5.1km az=155.3.
IDC Error ellipse: s-maj=19.4km s-min=8.2km az=77.0.

IDC	**VII**	**02 11 54 55.1–2.2**	**0.95N**	**126.99E**	**0**	**3.4,3.2**	
							¶12697941

IDC Error ellipse: s-maj=167.1km s-min=27.2km az=66.0.

IDC	**VII**	**02 22 43 55.1–1.9**	**1.40N**	**126.80E**	**0**	**3.8,3.6b**	
							¶12697952

IDC Error ellipse: s-maj=171.9km s-min=25.5km az=66.0.

ISC	**VII**	**03 08 26 34.3–.63**	**1.53N–.06**	**126.70E–.05**	**66–8**	**4.0b**	**20**	**1-59**
IDC	VII	03 08 26 25.9–1.6	1.62N	126.55E	0	4.1,4.0b		¶11810479
NEIC	VII	03 08 26 27.2–1.2	1.61N	126.61E	10	4.2b,4.0b		
DJA	VII	03 08 26 32	1.55N	126.66E	17	4.2,4.0b		
ISCJB	VII	03 08 26 33.2–.63	1.54N–.06	126.70E–.05	73–7	4.0b,4.0b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

IDC	**VII**	**05 08 08 22.0–2.1**	**1.80N**	**126.84E**	**0**	**3.8,3.6**	
							¶12698019

IDC Error ellipse: s-maj=182.5km s-min=24.8km az=66.0.

ISC	**VII**	**05 14 13 44.7–1.1**	**2.91N–.05**	**127.13E–.08**	**66–10**	**4.4b**	**50**	**2-91**
DJA	VII	05 14 13 33	3.50N	127.72E	23	4.7b		¶11810708
IDC	VII	05 14 13 36.4–.81	2.86N	126.81E	0	4.6,4.4b		
NEIC	VII	05 14 13 41.6–.51	2.83N	126.57E	35	4.4b,4.4b		
ISCJB	VII	05 14 13 43.5–1.1	2.91N–.05	127.10E–.08	74–10	4.4b,4.4b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

IDC	**VII**	**05 18 36 22.0–2.1**	**0.70N**	**126.95E**	**0**	**3.6,3.4b**	
							¶12698026

IDC Error ellipse: s-maj=175.3km s-min=26.6km az=66.0.

IDC	**VII**	**06 10 06 53.6–1.6**	**2.18N**	**126.47E**	**0**	**3.9,3.7b**	
							¶12698040

IDC Error ellipse: s-maj=105.8km s-min=24.2km az=69.0.

DJA	**VII**	**06 11 28 15**	**1.08N**	**125.34E**	**50**	**3.6**	
							¶12921782

ISC	**VII**	**07 21 34 29.6–2.0**	**1.7N–.20**	**126.6E–.10**	**52–17**	**3.5b**	**7**	**1-59**
IDC	VII	07 21 34 23.2–2.1	1.52N	126.18E	0	3.7,3.5		¶12698076
DJA	VII	07 21 34 26	0.19N	126.19E	21	3.4,3.5		
ISCJB	VII	07 21 34 28.5–1.9	1.7N–.20	126.6E–.10	60–15	3.5b,3.5		

IDC	**VII**	**10 02 02 18.7–3.5**	**1.66N**	**125.46E**	**348–31**	**3.2,3.0**	
							¶12698110

IDC Error ellipse: s-maj=98.9km s-min=20.2km az=66.0.

ISC	**VII**	**10 06 29 52.3–.38**	**0.95N–.02**	**126.06E–.03**	**59–3**	**5.1b,4.0s**	**300**	**1-163**
IDC	VII	10 06 29 44.8–.38	0.94N	125.84E	0	5.4L,4.9b		¶11109014
BJI	VII	10 06 29 47.3	0.76N	125.95E	42	5.0b,5.0b		
MOS	VII	10 06 29 48.1–1.1	0.98N	125.84E	33	5.4b,5.0b		
NEIC	VII	10 06 29 49.9–.17	0.94N	125.96E	35	5.1b,5.0b		
ISCJB	VII	10 06 29 50.4–.43	0.97N–.03	126.06E–.03	58–4	5.1b,4.0s		
TEH	VII	10 06 29 50.0	0.91N	126.03E	35	5.1b,4.0s		
DJA	VII	10 06 29 52	1.06N	126.23E	51	5.2b,4.0s		

ISC Event type fe.
IDC Error ellipse: s-maj=19.3km s-min=9.3km az=71.0.
MOS Error ellipse: s-maj=12.9km s-min=6.0km az=115.0.
NEIC Event type fe. Error ellipse: s-maj=7.5km s-min=4.1km az=72.0. Felt [IV] at Bitung and [III] at Manado, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.8km az=141.0.

DJA	**VII**	**11 05 09 02**	**0.05N**	**125.43E**	**10**	**3.9**	
							¶12921863
IDC	**VII**	**13 03 48 16.7–1.8**	**2.21N**	**127.62E**	**0**	**3.7,3.6**	
							¶12698178

IDC Error ellipse: s-maj=97.1km s-min=24.7km az=68.0.

DJA	**VII**	**13 15 33 35**	**1.32N**	**125.90E**	**20**	**3.9**	
							¶12921879
IDC	**VII**	**13 21 51 06.2–1.9**	**2.66N**	**126.53E**	**0**	**3.6,3.4b**	
							¶12698199

IDC Error ellipse: s-maj=116.8km s-min=24.2km az=69.0.

IDC	**VII**	**14 16 12 24.9–2.1**	**2.71N**	**126.05E**	**0**	**3.5,3.3b**	
							¶12698217

IDC Error ellipse: s-maj=190.9km s-min=25.7km az=65.0.

DJA	**VII**	**16 02 47 52**	**1.54N**	**125.26E**	**96**	**4.1**	
							¶12921915
IDC	**VII**	**16 03 23 19.3–1.6**	**0.10N**	**125.98E**	**0**	**3.9b,3.9**	
							¶12698241

IDC Error ellipse: s-maj=154.7km s-min=26.3km az=67.0.

IDC	**VII**	**17 18 28 58.3–2.0**	**1.19N**	**125.40E**	**0**	**3.5,3.3**	
							¶12698274

IDC Error ellipse: s-maj=191.9km s-min=26.3km az=64.0.

DJA	**VII**	**18 06 12 05**	**2.29N**	**126.67E**	**284**	**3.8**	
							¶12921938
DJA	**VII**	**18 13 23 10**	**1.51N**	**126.00E**	**31**	**3.6**	
							¶12921943
DJA	**VII**	**24 03 28 24**	**0.52N**	**126.48E**	**30**	**3.5**	
							¶12922009
IDC	**VII**	**26 15 51 24.5–2.3**	**1.33N**	**126.73E**	**0**	**3.3,3.2**	
							¶12698444

IDC Error ellipse: s-maj=190.3km s-min=27.6km az=66.0.

IDC	**VII**	**26 17 45 09.7–1.8**	**1.74N**	**126.62E**	**0**	**4.0b,4.0**	
							¶12698445

IDC Error ellipse: s-maj=129.9km s-min=22.9km az=68.0.

IDC	**VII**	**30 18 35 55.1–2.3**	**1.32N**	**126.71E**	**0**	**4.0,3.9b**	
							¶12698500

IDC Error ellipse: s-maj=336.8km s-min=20.9km az=65.0.

DJA	**VII**	**30 20 41 15**	**0.68N**	**125.51E**	**26**	**3.8**	
							¶12922131
IDC	**VIII**	**02 00 53 47.0–1.8**	**1.77N**	**126.44E**	**0**	**3.8,3.7L**	
							¶12580893

IDC Error ellipse: s-maj=117.2km s-min=22.8km az=69.0.

DJA	**VIII**	**04 02 11 03**	**1.08N**	**126.42E**	**30**	**3.8**	
							¶12922183
DJA	**VIII**	**08 13 16 26**	**2.30N**	**126.69E**	**7**	**3.7**	
							¶12922224
IDC	**VIII**	**11 00 18 32.2–1.2**	**0.33N**	**126.15E**	**0**	**4.1,4.0b**	
							¶12581016

IDC Error ellipse: s-maj=161.6km s-min=18.6km az=66.0.

DJA	**VIII**	**11 10 24 17**	**1.32N**	**126.61E**	**21**	**3.8**	
							¶12922249

ISC	**VIII**	**12 11 26 11.6–.70**	**2.04N–.06**	**127.09E–.07**	**98–7**	**4.0b**	**30**	**1-86**
NEIC	VIII	12 11 26 04.6–.40	2.03N	127.22E	35	4.4b		¶11908109
IDC	VIII	12 11 26 09.5–7.0	1.97N	127.17E	81–68	3.8,3.7b		
ISCJB	VIII	12 11 26 10.4–.70	2.04N–.05	127.09E–.07	105–6	4.0b,3.7b		
DJA	VIII	12 11 26 11	2.12N	127.10E	67	4.4b,3.7b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=7.3km az=78.0.
IDC Error ellipse: s-maj=32.6km s-min=13.3km az=79.0.

ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=6.7km az=149.9.

ISC	**VIII**	**13 07 13 44.1–.41**	**0.95N–.04**	**125.49E–.04**	**88–4**	**4.0b**	**44**	**1-124**
IDC	VIII	13 07 13 33.4–.57	1.02N	125.31E	0	4.2b,4.2		¶11164821
NEIC	VIII	13 07 13 34.8–.28	1.04N	125.31E	10	4.5b,4.2		
ISCJB	VIII	13 07 13 43.1–.42	0.94N–.04	125.47E–.04	93–4	4.0b,4.2		
DJA	VIII	13 07 13 44	0.81N	125.52E	24	5.0,4.2		

ISC Event type fe.
IDC Error ellipse: s-maj=35.3km s-min=13.7km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=11.2km s-min=6.0km az=66.0. Felt [III] at Bitung, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=6.1km az=33.6.

ISC	**VIII**	**13 15 25 05.7–.89**	**0.5N–.10**	**126.80E–.05**	**90–15**	**3.4b**	**12**	**1-60**
IDC	VIII	13 15 24 57.0–1.8	0.41N	127.30E	0	3.6,3.4		¶12581056
ISCJB	VIII	13 15 25 05.2–.76	0.3N–.10	126.78E–.05	79–11	3.4b,3.4		
DJA	VIII	13 15 25 07	0.49N	126.60E	15	3.8,3.4		

IDC Error ellipse: s-maj=168.0km s-min=26.3km az=66.0.
ISCJB Error ellipse: s-maj=17.5km s-min=8.3km az=179.0.

IDC	**VIII**	**16 11 47 42.9–1.3**	**2.79N**	**127.81E**	**0**	**3.8,3.6b**	
							¶12581128

IDC Error ellipse: s-maj=123.4km s-min=20.1km az=70.0.

IDC	**VIII**	**18 17 14 51.5–2.0**	**0.51N**	**126.77E**	**0**	**3.8,3.6**	
							¶12581178

IDC Error ellipse: s-maj=165.7km s-min=24.9km az=66.0.

IDC	**VIII**	**19 19 12 25.6–1.2**	**2.12N**	**126.28E**	**0**	**3.7,3.5b**	
							¶12581208

IDC Error ellipse: s-maj=100.2km s-min=18.3km az=70.0.

IDC	**VIII**	**19 19 53 03.8–1.9**	**2.12N**	**126.11E**	**0**	**3.7,3.5b**	
							¶12581211

IDC Error ellipse: s-maj=118.6km s-min=24.3km az=68.0.

IDC	**VIII**	**19 20 53 14.8–1.4**	**0.05N**	**126.55E**	**0**	**3.3,3.2**	
							¶12581214

IDC Error ellipse: s-maj=146.1km s-min=23.1km az=69.0.

IDC	**VIII**	**22 20 13 41.9–10**	**1.71N**	**126.34E**	**0**	**3.7,3.5b**	
							¶12581296

IDC Error ellipse: s-maj=183.8km s-min=169.0km az=77.0.

IDC	**VIII**	**24 07 37 35.3–2.1**	**2.12N**	**127.80E**	**0**	**3.7,3.5b**	
							¶12581337

IDC Error ellipse: s-maj=152.6km s-min=25.3km az=67.0.

IDC	**VIII**	**24 22 08 26.8–.99**	**2.30N**	**126.56E**	**0**	**4.1,3.9b**	
							¶12581359

IDC Error ellipse: s-maj=55.2km s-min=18.2km az=65.0.

ISC	**VIII**	**24 22 09 58.6–1.1**	**2.27N–.04**	**127.94E–.09**	**100–10**	**4.4b**	**46**	**2-125**
NEIC	VIII	24 22 09 56.6–1.4	2.29N	127.75E	82–13	4.4b		¶11184472
IDC	VIII	24 22 09 56.9–.70	2.28N	127.77E	83–6	4.1,4.1		
ISCJB	VIII	24 22 09 58.7–1.1	2.28N–.04	127.84E–.08	118–10	4.4b,4.1		
DJA	VIII	24 22 10 06	1.97N	127.47E	106	5.0b,4.1		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=6.7km az=79.0.
IDC Error ellipse: s-maj=32.5km s-min=12.7km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=6.7km az=168.1.

IDC	**VIII**	**25 01 35 10.1–1.8**	**2.29N**	**127.53E**	**0**	**4.2,4.1**	
							¶12581361

IDC Error ellipse: s-maj=134.1km s-min=23.1km az=66.0.

ISC	**VIII**	**25 02 46 21.0–.62**	**0.05N–.07**	**126.66E–.05**	**60–9**	**4.8b**	**14**	**1-154**
IDC	VIII	25 02 46 13.2–1.2	0.13S	126.31E	0	5.2s,5.2		¶12581363
ISCJB	VIII	25 02 46 20.1–.61	0.06N–.07	126.65E–.05	70–8	4.7b,5.2		
DJA	VIII	25 02 46 20	0.10N	126.56E	18	4.8,5.2		

IDC Error ellipse: s-maj=167.7km s-min=18.6km az=67.0.
ISCJB Error ellipse: s-maj=12.2km s-min=7.7km az=24.9.

ISC	**VIII**	**25 09 18 15.9–.80**	**2.10N–.07**	**126.98E–.08**	**35**	**4.0b**	**12**	**1-63**
DJA	VIII	25 09 18 10	1.83N	127.01E	143	3.9		¶12581375
IDC	VIII	25 09 18 11.2–1.1	2.03N	126.33E	0	4.0,3.9b		
ISCJB	VIII	25 09 18 14.1–.82	2.10N–.07	127.02E–.08	33	4.0b,3.9b		

DJA	**VIII**	**25 12 23 01**	**1.06N**	**125.52E**	**56**	**4.3**	
							¶12922396
DJA	**VIII**	**27 08 00 22**	**0.11N**	**126.42E**	**18**	**3.9**	
							¶12922421
DJA	**VIII**	**29 00 18 36**	**0.73N**	**125.24E**	**17**	**4.1**	
							¶12922451
DJA	**VIII**	**29 03 01 10**	**1.15N**	**126.34E**	**28**	**3.6**	
							¶12922453

ISC	**VIII**	**29 12 26 55.4–.55**	**0.53N–.06**	**125.69E–.04**	**71–9**	**3.8b**	**15**	**1-60**
IDC	VIII	29 12 26 44.6–.97	1.47N	127.56E	0	4.1,3.9b		¶12581544
ISCJB	VIII	29 12 26 54.4–.55	0.54N–.06	125.68E–.04	81–9	3.8b,3.9b		
DJA	VIII	29 12 26 55	0.55N	125.71E	63	3.8,3.9b		

IDC Error ellipse: s-maj=79.0km s-min=8.2km az=66.0.
ISCJB Error ellipse: s-maj=9.7km s-min=6.6km az=20.3.

ISC	**IX**	**02 18 47 42.6–.84**	**1.46N–.05**	**126.41E–.06**	**69–7**	**4.3b**	**49**	**1-91**
IDC	IX	02 18 47 34.5–1.1	1.49N	126.22E	0	4.3b,4.3		¶11909299
BJI	IX	02 18 47 35.2	0.62N	126.73E	73	4.9b,4.7b		
ISCJB	IX	02 18 47 41.1–.90	1.52N–.06	126.42E–.05	70–8	4.2b,4.7b		
NEIC	IX	02 18 47 42.8–1.9	1.44N	126.40E	73–18	4.4b,4.7b		
DJA	IX	02 18 47 43	1.38N	126.27E	20	4.5,4.7b		

ISC Event type se.
IDC Error ellipse: s-maj=100.2km s-min=14.3km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.1km az=42.4.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=7.5km az=60.0.

ISC	**IX**	**02 19 23 54.5–1.5**	**1.7N–.10**	**126.49E–.07**	**56–16**	**3.4b**	**13**	**1-59**
IDC	IX	02 19 23 47.5–1.9	1.57N	126.55E	0	3.7,3.5b		¶11909302
ISCJB	IX	02 19 23 54.4–1.2	1.7N–.10	126.41E–.06	81–10	3.4b,3.5b		
DJA	IX	02 19 23 54	1.69N	126.33E	9	4.2,3.5b		

IDC Error ellipse: s-maj=112.7km s-min=24.8km az=69.0.
ISCJB Error ellipse: s-maj=20.4km s-min=8.6km az=9.4.

ISC	**IX**	**02 23 10 54.8–.45**	**0.93N–.03**	**126.16E–.04**	**67–4**	**4.6b**	**152**	**1-159**
IDC	IX	02 23 10 46.0–.43	0.96N	126.10E	0	4.7,4.6		¶11230942
MOS	IX	02 23 10 49.4–.87	0.95N	126.10E	33	5.0b,4.6		
DJA	IX	02 23 10 52	0.98N	126.14E	8	5.1,4.6		
BJI	IX	02 23 10 52.2	1.05N	125.99E	51	4.9b,4.8b		
ISCJB	IX	02 23 10 52.9–.51	0.96N–.03	126.12E–.04	64–5	4.8b,4.8b		
NEIC	IX	02 23 10 54.2–.85	0.88N	126.18E	65–8	4.7b,4.8b		

ISC Event type se.
IDC Error ellipse: s-maj=19.6km s-min=9.6km az=74.0.
MOS Error ellipse: s-maj=12.9km s-min=6.6km az=114.2.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.2km az=154.7.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=70.0.

ISC	**IX**	**02 23 17 14.5–1.4**	**0.92N–.05**	**126.03E–.08**	**51–14**	**4.2b**	**40**	**6-123**
IDC	IX	02 23 17 07.9–.72	0.99N	126.04E	0	4.1,4.0b		¶11909330
ISCJB	IX	02 23 17 13.6–1.8	0.94N–.05	125.98E–.09	58–17	4.2b,4.0b		
NEIC	IX	02 23 17 14.7–1.1	0.93N	126.02E	53–11	4.4b,4.0b		

ISC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=14.0km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=8.3km az=161.8.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.4km az=71.0.

DJA	**IX**	**03 06 34 45**	**1.72N**	**126.28E**	**103**	**3.8**	
							¶12922506

ISC	**IX**	**05 09 47 37.0–.71**	**0.91N–.07**	**126.09E–.06**	**65–9**	**3.8b**	**16**	**1-64**
IDC	IX	05 09 47 28.5–.86	0.88N	125.65E	0	3.9,3.8b		¶11909517
DJA	IX	05 09 47 35	0.91N	126.05E	11	4.0,3.8b		
ISCJB	IX	05 09 47 36.0–.70	0.93N–.07	126.09E–.06	75–9	3.8b,3.8b		
ISC	**IX**	**05 14 16 26.1–1.2**	**2.96N–.08**	**127.0E–.10**	**88–11**	**4.0b**	**24**	**2-63**
IDC	IX	05 14 16 16.0–.89	2.99N	127.06E	0	3.9,3.8b		¶11909532
NEIC	IX	05 14 16 20.4–.55	3.01N	127.07E	35	4.5b,3.8b		
ISCJB	IX	05 14 16 25.4–.98	2.94N–.07	126.9E–.10	100–9	4.0b,3.8b		
DJA	IX	05 14 16 25	3.06N	127.07E	56	4.4,3.8b		

ISC Event type se.
IDC Error ellipse: s-maj=55.4km s-min=14.9km az=71.0.
NEIC Event type se. Error ellipse: s-maj=32.3km s-min=8.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=7.3km az=152.1.

ISC	**IX**	**06 19 14 29.7–1.0**	**0.9N–.10**	**126.19E–.07**	**52–14**	**3.7b**	**11**	**1-60**
IDC	IX	06 19 14 23.8–1.9	0.55N	125.43E	0	3.7,3.6		¶11909625
ISCJB	IX	06 19 14 28.9–.96	1.0N–.10	126.18E–.06	64–12	3.7b,3.6		

DJA IX 06 19 14 29 0.98N 126.13E 22 3.7,3.6
IDC Error ellipse: s-maj=174.1km s-min=26.6km az=64.0.
ISCJB Error ellipse: s-maj=21.1km s-min=10.2km az=9.9.
ISC IX 06 22 23 12.5–5.0 1.1N–.10 126.5E–.20 36–50 4.0b 20 19-124
IDC IX 06 22 23 14.8–.84 1.08N 126.53E 58–7 3.7,3.6 **¶11909645**
NEIC IX 06 22 23 14.2–4.1 1.07N 126.54E 52–40 4.4b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=12.5km az=75.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=11.5km az=69.0.
ISC IX 06 23 46 11.5–.00 1.2N–.10 125.83E–.08 66–12 3.3b 11 1-59
IDC IX 06 23 46 03.5–1.8 1.27N 125.62E 0 3.6,3.4b **¶11909656**
ISCJB IX 06 23 46 10.3–1.0 1.3N–.10 125.85E–.08 75–10 3.3b,3.4b
DJA IX 06 23 46 11 1.11N 125.83E 23 4.0,3.4b
IDC Error ellipse: s-maj=119.9km s-min=23.2km az=67.0.
ISCJB Error ellipse: s-maj=25.4km s-min=11.2km az=21.4.
IDC IX 07 07 55 08.7–1.9 0.43N 126.52E 0 3.5,3.4
¶11909706
IDC Error ellipse: s-maj=163.6km s-min=25.0km az=65.0.
ISC IX 07 13 28 53.3–.49 0.79N–.05 126.14E–.04 57–6 4.1b 35 1-88
IDC IX 07 13 28 46.2–.78 0.84N 126.07E 0 4.1,4.0b **¶11909730**
NEIC IX 07 13 28 47.2–.51 0.76N 125.78E 10 4.6b,4.0b
ISCJB IX 07 13 28 52.2–.48 0.78N–.05 126.12E–.04 65–6 4.0b,4.0b
DJA IX 07 13 28 52 0.77N 126.12E 17 4.1,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=14.3km az=79.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=9.2km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.6km az=24.6.
IDC IX 08 01 12 53.9–1.9 1.84N 126.81E 0 4.2,4.0b
¶11909773
IDC Error ellipse: s-maj=165.1km s-min=24.4km az=65.0.
ISC IX 08 18 18 25.7–2.0 2.21N–.09 126.8E–.10 79–20 4.0b 23 2-147
IDC IX 08 18 18 16.1–.72 2.26N 126.84E 0 4.1,3.9 **¶11909827**
ISCJB IX 08 18 18 24.0–2.2 2.23N–.09 126.8E–.10 81–21 4.0b,3.9
DJA IX 08 18 18 28 1.14N 126.72E 104 3.9,3.9
NEIC IX 08 18 18 28.4–3.8 2.21N 126.76E 106–39 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=14.1km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=10.1km az=149.4.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=12.1km az=66.0.
IDC IX 11 00 13 57.9–1.7 2.04N 127.69E 0 4.5,4.3
¶11910015
IDC Error ellipse: s-maj=101.8km s-min=22.8km az=68.0.
NEIC IX 11 00 45 00.0–.69 2.57N 127.01E 35 3.9b
IDC IX 11 00 44 55.2–8.0 2.58N 127.02E 0 4.5,4.3 **¶11910016**
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=9.8km az=64.0.
IDC Error ellipse: s-maj=131.2km s-min=98.0km az=136.0.
IDC IX 11 01 30 20.2–1.8 2.06N 127.73E 0 4.1,3.9
¶11910021
IDC Error ellipse: s-maj=95.6km s-min=23.9km az=68.0.
IDC IX 11 06 10 20.1–2.0 1.28N 126.05E 0 3.5,3.4
¶11910032
IDC Error ellipse: s-maj=116.5km s-min=25.9km az=68.0.
IDC IX 11 16 55 04.4–2.1 1.26N 126.55E 0 3.3,3.2
¶11910056
IDC Error ellipse: s-maj=181.2km s-min=25.1km az=66.0.
DJA IX 11 19 05 15 1.95N 126.51E 20 3.6
¶12922578
IDC IX 12 01 07 49.0–2.1 2.06N 127.75E 0 3.7,3.5
¶11910081
IDC Error ellipse: s-maj=107.4km s-min=26.0km az=70.0.
DJA IX 12 02 51 13 0.29N 126.66E 30 4.5
¶12922583
DJA IX 12 15 08 27 1.22N 125.66E 15 3.6
¶12922587
ISC IX 12 19 09 30.0–3.9 2.3N–.20 126.87E–.07 24–36 3.5b 12 2-59
ISCJB IX 12 19 09 30.2–2.5 2.3N–.20 126.84E–.07 39–18 3.5b **¶11910122**
IDC IX 12 19 09 31.9–1.9 1.53N 126.46E 0 3.7,3.5b
DJA IX 12 19 09 31 2.21N 126.83E 30 3.6,3.5b
ISCJB Error ellipse: s-maj=27.0km s-min=10.6km az=15.5.
IDC Error ellipse: s-maj=152.0km s-min=26.3km az=65.0.
DJA IX 14 04 15 24 2.64N 126.56E 8 3.7
¶12922597
ISC IX 15 15 07 41.6–.81 0.9N–.10 126.23E–.05 46–14 3.5b 9 1-60
IDC IX 15 15 07 34.9–2.0 1.11N 126.63E 0 3.7,3.5 **¶11910337**
ISCJB IX 15 15 07 40.7–.78 0.9N–.10 126.24E–.05 59–12 3.5b,3.5
DJA IX 15 15 07 41 0.91N 126.21E 34 3.8,3.5
IDC Error ellipse: s-maj=170.9km s-min=24.8km az=66.0.
ISCJB Error ellipse: s-maj=24.0km s-min=7.7km az=10.0.
IDC IX 16 16 46 52.9–2.0 1.20N 126.02E 0 3.4,3.2
¶11910411
IDC Error ellipse: s-maj=175.6km s-min=24.9km az=65.0.
ISC IX 17 05 43 57.3–.62 2.73N–.03 126.88E–.06 65–6 4.4b 71 2-93
NEIC IX 17 05 43 50.3–.28 2.68N 126.73E 10 4.8b **¶11910454**
BJI IX 17 05 43 54.6 3.44N 126.57E 10 4.9b,4.7b
ISCJB IX 17 05 43 55.9–.68 2.74N–.03 126.87E–.06 68–6 4.4b,4.7b
DJA IX 17 05 43 55 2.83N 126.94E 26 4.8b,4.7b
IDC IX 17 05 43 56.1–2.4 2.57N 126.64E 56–21 4.8L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=5.0km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=4.8km az=162.8.
IDC Error ellipse: s-maj=26.8km s-min=9.0km az=74.0.
IDC IX 17 06 01 07.1–1.1 2.62N 126.64E 0 3.8,3.7
¶11910456
IDC Error ellipse: s-maj=75.0km s-min=17.9km az=77.0.
ISC IX 18 21 38 03.9–1.1 2.64N–.06 126.66E–.08 80–11 4.2b 56 2-123
IDC IX 18 21 37 54.2–.55 2.63N 126.54E 0 4.3,4.3 **¶11910587**
BJI IX 18 21 37 56.2 2.60N 126.60E 25 4.9b,4.6b
NEIC IX 18 21 37 59.2–1.1 2.64N 126.59E 36–9 4.4b,4.6b
DJA IX 18 21 38 00 2.85N 127.41E 35 4.6b,4.6b
ISCJB IX 18 21 38 02.1–1.3 2.66N–.06 126.62E–.08 77–12 4.2b,4.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 20 04 39 31.7–2.8 0.98N–.06 125.44E–.05 16–18 3.3b 12 1-59
IDC IX 20 04 39 22.9–1.9 1.53N 126.09E 0 3.6,3.4b **¶11910684**
DJA IX 20 04 39 32 1.02N 125.46E 22 3.8,3.4b
IDC Error ellipse: s-maj=160.6km s-min=24.7km az=65.0.
IDC IX 22 02 11 37.0–1.9 2.13N 127.91E 0 3.9,3.7
¶11910802
IDC Error ellipse: s-maj=109.1km s-min=23.3km az=70.0.
ISC IX 22 05 10 27.2–.67 1.09N–.06 126.86E–.07 79–8 3.9b 13 1-60
IDC IX 22 05 10 18.1–1.9 1.14N 127.04E 0 4.0,3.9b **¶11910811**
ISCJB IX 22 05 10 26.2–.67 1.10N–.06 126.86E–.07 86–7 3.9b,3.9b
DJA IX 22 05 10 27 1.12N 126.81E 44 4.1,3.9b
IDC Error ellipse: s-maj=118.2km s-min=24.3km az=69.0.
ISCJB Error ellipse: s-maj=13.1km s-min=7.3km az=138.3.
DJA IX 24 08 08 22 1.41N 126.69E 85 3.8
¶12922662
IDC IX 24 18 56 32.3–1.8 1.51N 126.42E 0 3.6,3.5
¶11910949
IDC Error ellipse: s-maj=164.7km s-min=23.8km az=65.0.
ISC IX 25 07 08 27.5–.88 0.7N–.10 125.97E–.09 49–13 3.5b 9 1-60
IDC IX 25 07 08 21.2–1.3 0.61N 125.58E 0 3.7,3.6 **¶11911000**
ISCJB IX 25 07 08 26.7–.83 0.75N–.10 125.98E–.09 61–12 3.5b,3.6
DJA IX 25 07 08 26 0.73N 125.98E 69 3.8,3.6
IDC Error ellipse: s-maj=134.7km s-min=21.1km az=68.0.
ISCJB Error ellipse: s-maj=19.3km s-min=11.7km az=40.0.
IDC IX 25 23 54 35.5–2.1 2.01N 127.57E 0 3.8,3.6b
¶11911055
IDC Error ellipse: s-maj=119.0km s-min=25.0km az=70.0.
ISC IX 26 14 05 09.8–.44 0.45N–.05 125.45E–.04 74–5 4.0b 38 1-89

IDC IX 26 14 05 00.6–.68 0.42N 125.17E 0 4.1,4.0 **¶11911090**
ISCJB IX 26 14 05 08.7–.45 0.44N–.05 125.44E–.04 83–5 4.0b,4.0
DJA IX 26 14 05 09 0.44N 125.47E 27 4.3,4.0
NEIC IX 26 14 05 14.6–3.0 0.35N 125.40E 125–30 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=13.9km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.3km az=179.1.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=11.0km az=63.0.
IDC IX 26 19 44 21.6–1.6 0.79N 126.41E 0 3.9,3.7b
¶11911109
IDC Error ellipse: s-maj=141.4km s-min=17.9km az=66.0.
IDC IX 26 21 01 39.8–2.4 2.13N 126.99E 0 3.6,3.4
¶11911120
IDC Error ellipse: s-maj=191.6km s-min=27.3km az=66.0.
ISC IX 27 07 21 01.2–.83 2.20N–.07 126.7E–.10 67–8 4.2b 28 2-93
IDC IX 27 07 20 52.8–.71 2.17N 126.63E 0 4.3,4.2b **¶11911174**
NEIC IX 27 07 20 57.9–.38 2.16N 126.66E 35 4.3b,4.2b
DJA IX 27 07 20 57 2.35N 126.89E 6 4.4,4.2b
ISCJB IX 27 07 21 00.3–.83 2.22N–.07 126.75E–.10 76–8 4.2b,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 29 02 44 01.9–.91 1.0N–.10 126.42E–.07 43–14 3.4b 9 1-60
IDC IX 29 02 43 56.0–2.0 0.99N 126.44E 0 3.7,3.5b **¶11911315**
ISCJB IX 29 02 44 01.0–.89 1.0N–.10 126.43E–.08 55–12 3.4b,3.5b
DJA IX 29 02 44 01 0.95N 126.39E 33 3.5,3.5b
IDC Error ellipse: s-maj=166.3km s-min=25.0km az=65.0.
ISCJB Error ellipse: s-maj=22.3km s-min=8.2km az=28.7.
IDC IX 30 08 01 58.3–1.8 2.11N 127.77E 0 4.0,3.8b
¶11911442
IDC Error ellipse: s-maj=128.2km s-min=23.5km az=66.0.
IDC X 01 06 29 20.2–1.9 2.11N 127.80E 0 4.1,3.9
¶11911533
IDC Error ellipse: s-maj=106.2km s-min=23.2km az=70.0.
IDC X 01 08 46 55.0–2.1 2.14N 127.98E 0 3.8,3.5b
¶11911541
IDC Error ellipse: s-maj=155.0km s-min=24.7km az=67.0.
ISC X 01 11 05 55.5–.81 2.26N–.05 126.81E–.07 67–8 4.0b 32 2-63
IDC X 01 11 05 47.6–.81 2.20N 126.71E 0 4.1,4.0 **¶11911545**
NEIC X 01 11 05 52.3–.44 2.22N 126.77E 35 4.4b,4.0
DJA X 01 11 05 52 2.51N 127.12E 30 4.4,4.0
ISCJB X 01 11 05 54.6–.80 2.27N–.05 126.81E–.07 75–8 4.0b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA X 01 14 09 01 2.05N 127.46E 54 3.6
¶12922713
ISC X 03 05 28 32.7–.69 0.63N–.06 125.22E–.07 86–8 4.1b 29 1-93
IDC X 03 05 28 22.1–1.1 0.97N 125.58E 0 4.3,4.2b **¶12065759**
NEIC X 03 05 28 27.4–.54 0.88N 125.44E 35 4.1b,4.2b
ISCJB X 03 05 28 31.6–.71 0.64N–.06 125.21E–.07 94–8 4.1b,4.2b
DJA X 03 05 28 33 0.61N 125.33E 18 4.2,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=80.0km s-min=15.8km az=65.0.
NEIC Event type se. Error ellipse: s-maj=39.3km s-min=7.6km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=8.3km az=140.0.
ISC X 03 13 33 24.1–.53 1.95N–.05 125.93E–.06 80–6 3.9b 35 1-63
IDC X 03 13 33 14.7–.92 1.90N 125.66E 0 3.9,3.8b **¶12065782**
NEIC X 03 13 33 19.2–.58 1.85N 125.57E 35 4.4b,3.8b
DJA X 03 13 33 22 1.97N 125.97E 13 4.5,3.8b
ISCJB X 03 13 33 23.1–.53 1.96N–.05 125.90E–.05 86–6 3.9b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 05 08 07 29.7–1.0 2.23N–.07 126.88E–.09 67–12 3.8b 11 2-59
IDC X 05 08 07 22.2–2.0 2.12N 126.97E 0 4.1,3.9 **¶12065978**
ISCJB X 05 08 07 28.8–1.0 2.23N–.07 126.89E–.09 78–11 3.8b,3.9
DJA X 05 08 07 28 2.25N 126.84E 26 4.2,3.9
IDC Error ellipse: s-maj=112.8km s-min=25.2km az=69.0.
ISCJB Error ellipse: s-maj=17.5km s-min=8.3km az=143.4.
DJA X 06 02 34 41 2.25N 127.63E 119 4.4
¶12922745
ISC X 06 19 18 40.5–2.0 2.6N–.10 127.3E–.20 72–18 3.7b 23 2-69
IDC X 06 19 18 32.1–1.2 2.51N 127.00E 0 3.8,3.7 **¶12066179**
NEIC X 06 19 18 36.8–.66 2.58N 127.27E 35 4.1b,3.7
DJA X 06 19 18 37 2.87N 127.44E 63 4.0,3.7
ISCJB X 06 19 18 39.4–1.8 2.6N–.10 127.3E–.20 79–16 3.7b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 07 21 17 07.2–.74 2.31N–.06 126.21E–.08 79–9 4.0b 15 2-58
IDC X 07 21 16 58.7–1.5 2.15N 125.75E 0 4.2,4.1 **¶12066291**
ISCJB X 07 21 17 06.3–.75 2.31N–.06 126.20E–.08 89–9 4.0b,4.1
DJA X 07 21 17 06 2.30N 126.21E 25 4.0,4.1
IDC Error ellipse: s-maj=75.6km s-min=20.8km az=69.0.
ISCJB Error ellipse: s-maj=14.2km s-min=9.6km az=164.6.
ISC X 08 05 57 39.5–.56 1.64N–.05 125.03E–.04 164–4 4.0b 24 0-58
IDC X 08 05 57 36.3–6.8 1.75N 124.97E 136–60 4.0s,4.0 **¶12066313**
ISCJB X 08 05 57 38.4–.56 1.64N–.05 125.03E–.04 170–5 4.0b,4.0
DJA X 08 05 57 40 1.60N 125.06E 140 4.3,4.0
IDC Error ellipse: s-maj=62.9km s-min=20.3km az=60.0.
ISCJB Error ellipse: s-maj=8.8km s-min=6.4km az=157.1.
ISC X 09 02 03 34.6–2.0 0.75N–.08 126.11E–.08 2–14 4.2b 25 1-123
DJA X 09 02 03 30 1.31N 126.37E 166 4.0 **¶12066392**
NEIC X 09 02 03 39.6–.51 0.58N 125.74E 35 4.5b
IDC X 09 02 03 41.4–8.0 0.46N 125.45E 50–81 3.9,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=42.2km s-min=9.4km az=70.0.
IDC Error ellipse: s-maj=111.9km s-min=22.4km az=67.0.
ISC X 09 23 27 55.2–.43 1.48N–.03 126.00E–.03 65–4 4.4b 136 1-130
IDC X 09 23 27 47.4–.51 1.45N 125.71E 0 4.4L,4.4b **¶11342445**
NEIC X 09 23 27 52.1–.66 1.51N 125.97E 36–6 4.7b,4.4b
ISCJB X 09 23 27 53.9–.48 1.49N–.03 125.99E–.03 69–4 4.4b,4.4b
DJA X 09 23 27 55.8–.30 1N–2.0 126E–2.0 47–7 5.4b,5.2
ISC Event type fe.
NEIC Event type fe. Felt [II] at Bitung, Indonesia.
ISCJB Event type fe.
ISC X 11 10 35 06.9–.82 1.84N–.07 126.45E–.09 71–10 3.9b 11 1-63
IDC X 11 10 34 58.0–1.4 1.99N 126.54E 0 4.2,4.1b **¶12066579**
DJA X 11 10 35 05 1.88N 126.43E 11 3.9,4.1b
ISCJB X 11 10 35 06.1–.82 1.85N–.07 126.45E–.09 81–10 3.9b,4.1b
IDC X 12 03 13 27.4–8.7 1.75N 125.48E 0 3.6s,3.6
¶12068440
IDC Error ellipse: s-maj=170.7km s-min=136.8km az=70.0.
ISC X 13 07 36 09.6–1.0 2.53N–.06 127.03E–.09 64–9 4.4b 43 2-90
NEIC X 13 07 36 02.6–.46 2.58N 127.21E 10 4.7b **¶12068536**
IDC X 13 07 36 07.1–3.2 2.52N 127.09E 40–28 4.2,4.1L
DJA X 13 07 36 07 2.61N 127.02E 12 4.7,4.1L
ISCJB X 13 07 36 08.8–1.0 2.51N–.06 126.99E–.09 72–9 4.3b,4.1L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 13 13 30 18.6–.73 0.91N–.07 125.39E–.08 90–10 3.0b 11 1-59
IDC X 13 13 30 06.8–1.9 1.31N 125.85E 0 3.5,3.3 **¶12068556**
ISCJB X 13 13 30 17.7–.72 0.93N–.07 125.37E–.08 98–9 3.0b,3.3
DJA X 13 13 30 19 0.93N 125.41E 55 3.5,3.3
IDC Error ellipse: s-maj=168.4km s-min=25.0km az=65.0.
ISCJB Error ellipse: s-maj=14.8km s-min=10.3km az=34.2.
DJA X 14 19 51 40 1.07N 126.99E 38 3.9
¶12922818
ISC X 15 15 47 36.3–1.1 2.03N–.07 126.80E–.09 51–12 4.0b,3.1s 38 1-123

IDC X 15 15 47 29.5–.65 1.98N 126.62E 0 4.1,4.0 ¶12068693
NEIC X 15 15 47 34.5–.48 2.02N 126.84E 35 4.6b,4.0
ISCJB X 15 15 47 35.7–.92 2.03N–.06 126.70E–.07 63–10 4.0b,4.0
DJA X 15 15 47 35 2.11N 126.89E 35 4.4,4.0
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=14.2km az=73.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=9.2km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=8.3km az=141.1.
ISC X 16 06 33 48.5–1.1 0.2N–.10 125.82E–.06 53–18 3.6b 10 2-60
IDC X 16 06 33 45.4–1.9 0.69N 125.47E 0 3.7,3.6 ¶12068740
DJA X 16 06 33 47 0.18N 125.78E 38 3.7,3.6
ISCJB X 16 06 33 48.0–1.1 0.2N–.10 125.81E–.05 33 3.6b,3.6
IDC X 16 14 59 46.5–8.8 2.25N 126.70E 0 3.7,3.5b
¶12068779

IDC Error ellipse: s-maj=172.1km s-min=136.9km az=74.0.
ISC X 17 01 01 21.8–.90 1.22N–.10 126.25E–.05 59–10 3.8b 13 1-59
IDC X 17 01 01 14.0–2.1 1.46N 126.95E 0 3.8,3.7b ¶12068849
ISCJB X 17 01 01 20.9–.86 1.20N–.09 126.23E–.05 68–9 3.7b,3.7b
DJA X 17 01 01 21 1.25N 126.26E 52 3.8,3.7b
IDC Error ellipse: s-maj=203.1km s-min=23.3km az=65.0.
ISCJB Error ellipse: s-maj=16.2km s-min=7.1km az=14.6.
ISC X 17 12 33 53.2–.81 2.61N–.05 126.87E–.06 75–8 4.0b 34 2-76
IDC X 17 12 33 44.5–.94 2.44N 126.60E 0 4.1,4.0 ¶12068884
NEIC X 17 12 33 48.8–.63 2.59N 126.95E 35 4.4b,4.0
ISCJB X 17 12 33 52.1–.82 2.62N–.05 126.86E–.06 83–8 4.0b,4.0
DJA X 17 12 33 52 2.58N 126.81E 15 4.3,4.0
ISC Event type se.
IDC Error ellipse: s-maj=60.1km s-min=16.0km az=67.0.
NEIC Event type se. Error ellipse: s-maj=52.7km s-min=7.8km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=6.1km az=142.3.
DJA X 19 14 32 18 0.10N 125.13E 135 3.9
¶12922844
IDC X 19 16 15 57.8–3.5 0.20N 125.51E 0 3.4,3.1
¶12069055

IDC Error ellipse: s-maj=182.4km s-min=33.0km az=84.0.
IDC X 20 11 56 05.4–7.2 2.51N 126.03E 0 3.9,3.7b
¶12069125

IDC Error ellipse: s-maj=160.1km s-min=113.3km az=72.0.
ISC X 21 12 14 04.5–.65 0.8N–.10 126.23E–.06 35 3.6b 10 1-64
IDC X 21 12 13 59.1–1.7 0.98N 126.54E 0 3.7,3.5b ¶12070731
ISCJB X 21 12 14 03.2–.65 0.8N–.10 126.22E–.06 33 3.6b,3.5b
DJA X 21 12 14 03 0.82N 126.21E 20 3.5,3.5b
IDC Error ellipse: s-maj=166.5km s-min=21.3km az=66.0.
ISCJB Error ellipse: s-maj=16.5km s-min=6.4km az=18.3.
IDC X 21 13 36 19.4–2.2 0.07N 126.52E 0 3.5,3.3
¶12070734

IDC Error ellipse: s-maj=223.3km s-min=26.0km az=65.0.
DJA X 22 16 48 18 1.19N 125.64E 77 3.6
¶12922866

ISC X 22 16 57 35.2–1.4 1.2N–.20 126.90E–.08 158–13 3.8b 16 1-105
IDC X 22 16 57 06.6–7.7 2.63N 126.85E 0 4.3,4.1b ¶12070812
ISCJB X 22 16 57 34.2–1.4 1.2N–.20 126.89E–.08 163–13 3.8b,4.1b
DJA X 22 16 57 37 1.03N 126.93E 28 3.8,4.1b
IDC Error ellipse: s-maj=128.5km s-min=100.3km az=130.0.
ISCJB Error ellipse: s-maj=27.6km s-min=12.8km az=2.9.
IDC X 26 19 10 38.5–2.2 2.08N 126.42E 0 3.3,3.2
¶12071183

IDC Error ellipse: s-maj=186.8km s-min=26.7km az=66.0.
ISC X 27 05 52 16.3–.69 1.43N–.09 126.9E–.20 35 4.1b 16 6-124
IDC X 27 05 52 12.1–1.3 1.31N 126.69E 0 4.3,4.2b ¶12071223
NEIC X 27 05 52 13.0–.50 1.45N 126.96E 10 4.5b,4.2b
ISCJB X 27 05 52 14.0–.68 1.46N–.10 126.9E–.20 33 4.1b,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 27 15 20 18.5–2.2 1.54N 126.48E 0 3.3,3.2
¶12071244

IDC Error ellipse: s-maj=174.4km s-min=28.0km az=65.0.
ISC X 28 04 02 08.4–.00 1.36N–.09 126.48E–.09 41–12 3.8b 12 1-64
IDC X 28 04 02 02.6–1.5 1.38N 126.30E 0 3.9,3.8b ¶12071303
ISCJB X 28 04 02 07.5–.92 1.34N–.09 126.45E–.09 51–11 3.8b,3.8b
DJA X 28 04 02 07 1.31N 126.45E 20 3.8,3.8b
IDC Error ellipse: s-maj=159.5km s-min=19.0km az=65.0.
ISCJB Error ellipse: s-maj=17.8km s-min=10.6km az=136.4.
IDC X 28 18 25 50.0–1.3 1.54N 126.76E 0 3.8,3.6b
¶12071361

IDC Error ellipse: s-maj=109.8km s-min=18.4km az=70.0.
IDC X 28 20 16 37.2–2.1 2.66N 126.62E 0 3.7,3.5b
¶12071372

IDC Error ellipse: s-maj=178.7km s-min=25.1km az=66.0.
IDC X 28 20 26 08.0–2.0 2.06N 127.52E 0 3.8s,3.8
¶12071375

IDC Error ellipse: s-maj=114.0km s-min=24.1km az=70.0.
ISC X 28 23 07 51.9–.79 2.1N–.10 127.76E–.09 35 4.2b 19 1-42
IDC X 28 23 07 37.8–7.2 2.97N 127.17E 0 4.2,4.0 ¶12071391
DJA X 28 23 07 41 3.22N 126.59E 20 4.3,4.0
ISCJB X 28 23 07 49.6–.80 2.1N–.10 127.74E–.09 33 4.2b,4.0
NEIC X 28 23 07 51.9–.51 2.08N 127.75E 35 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=121.6km s-min=98.7km az=124.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=11.1km az=28.4.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.1km az=210.0.
IDC X 29 05 31 12.9–3.7 0.50N 126.33E 0 3.6,3.4b
¶12071432

IDC Error ellipse: s-maj=453.8km s-min=27.3km az=65.0.
IDC X 29 09 16 37.4–8.7 2.05N 126.21E 0 3.8,3.6
¶12071444

IDC Error ellipse: s-maj=138.7km s-min=108.1km az=137.0.
IDC X 29 11 54 33.6–17 0.71N 126.27E 181–186 3.6L,3.4
¶12071458

IDC Error ellipse: s-maj=123.1km s-min=67.0km az=67.0.
ISC X 29 14 18 27.2–1.3 1.52N–.09 126.52E–.09 46–13 3.9b 26 1-63
DJA X 29 14 18 04 3.44N 127.24E 32 4.7 ¶12071486
ISCJB X 29 14 18 26.0–1.2 1.54N–.09 126.48E–.08 52–11 3.9b
IDC X 29 14 18 29.5–10 1.46N 126.38E 68–96 4.3,4.3s
NEIC X 29 14 18 34.4–3.1 1.31N 126.09E 114–30 4.4b,4.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=9.4km az=41.5.
IDC Error ellipse: s-maj=95.3km s-min=17.6km az=60.0.
NEIC Event type se. Error ellipse: s-maj=34.9km s-min=8.5km az=56.0.
ISC X 29 15 50 26.2–1.2 1.1N–.10 126.58E–.08 55–12 4.0b 18 1-64
IDC X 29 15 50 19.0–1.7 1.24N 126.68E 0 4.0b,4.0 ¶12071492
NEIC X 29 15 50 20.6–.81 1.22N 126.68E 10 4.4b,4.0
DJA X 29 15 50 21 1.67N 126.61E 12 4.3,4.0
ISCJB X 29 15 50 25.3–1.1 1.2N–.10 126.57E–.08 66–10 3.9b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 30 22 38 13.8–.28 1.47N–.02 126.98E–.02 109–2 5.0b 388 1-159
BJI X 30 22 38 06.7 0.94N 127.15E 96 5.0b,4.9b ¶11379129
MOS X 30 22 38 10.6–.98 1.42N 126.85E 95 5.1b,4.9b
NEIC X 30 22 38 11.8–.75 1.43N 126.97E 93–7 5.1b,4.9b
ISCJB X 30 22 38 12.6–.30 1.50N–.02 126.98E–.02 113–2 5.0b,4.9b
IDC X 30 22 38 12.4–1.1 1.41N 126.94E 98–9 4.5,4.5
DJA X 30 22 38 15.2–.20 1N–2.0 127E–2.0 93–3 5.7b,5.4
ISC Event type fe.
NEIC Event type fe. Felt [II] on Ternate, Indonesia.
ISCJB Event type fe.
IDC X 30 23 37 35.4–2.0 2.00N 127.58E 0 3.8,3.6
¶12071688

IDC Error ellipse: s-maj=103.1km s-min=25.3km az=70.0.

ISC XI 02 00 11 00.3–1.3 2.88N–.09 126.3E–.20 55–12 3.7b 24 1-68
DJA XI 02 00 10 37 3.96N 126.71E 306 4.4 ¶12071927
IDC XI 02 00 10 53.2–1.2 2.88N 126.22E 0 3.8,3.7b
NEIC XI 02 00 10 58.4–.72 2.92N 126.23E 35 3.8b,3.7b
ISCJB XI 02 00 10 59.6–1.1 2.87N–.09 126.2E–.20 67–11 3.6b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 03 18 13 11.1–2.0 1.73N 125.91E 0 3.7,3.5
¶12072150

IDC Error ellipse: s-maj=176.0km s-min=25.4km az=65.0.
ISC XI 03 22 28 41.0–.52 0.38N–.04 126.06E–.04 67–5 4.2b 78 1-124
IDC XI 03 22 28 32.5–.61 0.47N 126.14E 0 4.3,4.2L ¶12072180
NEIC XI 03 22 28 38.9–1.4 0.39N 126.09E 50–13 4.4b,4.2L
ISCJB XI 03 22 28 39.8–.53 0.37N–.04 126.05E–.04 75–5 4.2b,4.2L
DJA XI 03 22 28 41 0.45N 126.04E 97 4.2,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=13.7km az=66.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=4.6km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.4km az=146.6.
ISC XI 05 03 01 16.6–1.4 2.44N–.09 127.7E–.10 35 3.8b 9 2-122
IDC XI 05 03 01 12.6–1.2 2.00N 126.80E 0 3.9,3.8 ¶12072327
ISCJB XI 05 03 01 14.1–1.3 2.51N–.08 127.8E–.10 33 3.8b,3.8
DJA XI 05 03 01 31 1.14N 127.85E 91 4.0,3.8
IDC Error ellipse: s-maj=83.2km s-min=21.5km az=71.0.
ISCJB Error ellipse: s-maj=18.9km s-min=8.8km az=152.0.
ISC XI 05 16 09 34.3–.73 1.37N–.08 126.0E–.20 35 4.0b 18 9-63
IDC XI 05 16 09 29.2–1.1 1.44N 126.07E 0 4.0,3.9b ¶12072431
ISCJB XI 05 16 09 32.1–.72 1.40N–.08 125.9E–.20 33 4.0b,3.9b
NEIC XI 05 16 09 34.3–.50 1.39N 125.97E 35 4.4b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=98.7km s-min=17.6km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=11.0km az=165.7.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=7.6km az=75.0.
IDC XI 06 06 15 22.2–2.0 0.58N 125.39E 0 4.0s,4.0
¶12072499

IDC Error ellipse: s-maj=182.6km s-min=26.2km az=64.0.
IDC XI 08 20 10 30.2–2.4 2.41N 126.19E 0 3.6s,3.6
¶12072858

IDC Error ellipse: s-maj=232.5km s-min=26.7km az=65.0.
ISC XI 11 16 13 49.1–.77 2.71N–.05 127.00E–.07 65–7 4.5b 116 2-148
IDC XI 11 16 13 40.9–.47 2.68N 126.94E 0 4.5,4.4 ¶11433913
NEIC XI 11 16 13 42.1–.28 2.71N 126.97E 10 4.9b,4.4
MOS XI 11 16 13 43.9–1.2 2.71N 126.94E 33 5.0b,4.4
ISCJB XI 11 16 13 47.4–.84 2.73N–.05 127.02E–.07 67–8 4.5b,4.4
DJA XI 11 16 13 47 2.77N 127.04E 20 4.4,4.4
BJI XI 11 16 13 53.2 2.68N 126.89E 126 4.9b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=11.4km az=74.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.1km az=69.0.
MOS Error ellipse: s-maj=21.1km s-min=8.6km az=114.1.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.1km az=151.6.
IDC XI 15 07 33 43.6–1.9 0.29N 125.95E 0 3.7,3.5
¶12073602

IDC Error ellipse: s-maj=165.6km s-min=26.5km az=65.0.
ISC XI 16 03 59 27.5–.76 0.12N–.09 126.30E–.06 56–11 3.6b 15 1-60
IDC XI 16 03 59 20.2–1.4 0.25N 126.25E 0 3.8,3.7 ¶12073701
ISCJB XI 16 03 59 26.6–.75 0.10N–.09 126.27E–.06 69–11 3.6b,3.7
DJA XI 16 03 59 27 0.13N 126.29E 50 3.8,3.7
IDC Error ellipse: s-maj=157.0km s-min=21.6km az=68.0.
ISCJB Error ellipse: s-maj=14.4km s-min=9.2km az=9.4.
IDC XI 16 15 20 21.1–12 2.13N 127.05E 88–116 3.5,3.3b
¶12073761

IDC Error ellipse: s-maj=115.5km s-min=25.5km az=63.0.
IDC XI 16 22 51 34.4–1.9 2.64N 127.01E 0 3.9,3.7b
¶12073796

IDC Error ellipse: s-maj=154.2km s-min=25.6km az=64.0.
IDC XI 20 13 17 44.4–1.9 2.55N 127.11E 0 3.7,3.5b
¶12074264

IDC Error ellipse: s-maj=111.9km s-min=23.1km az=69.0.
ISC XI 20 16 07 32.0–1.1 2.5N–.20 127.1E–.40 35 4.1b 13 21-63
IDC XI 20 16 07 26.9–1.3 2.55N 127.15E 0 4.2,4.0 ¶12074279
NEIC XI 20 16 07 29.1–.84 2.54N 127.16E 15 4.4b,4.0
ISCJB XI 20 16 07 30.0–1.2 2.5N–.20 127.0E–.40 33 4.1b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 20 21 29 34.4–1.3 2.7N–.10 126.5E–.10 35 3.9b 12 1-58
IDC XI 20 21 29 29.8–1.5 2.63N 126.11E 0 4.1,3.9 ¶12074326
ISCJB XI 20 21 29 32.0–1.3 2.8N–.10 126.56E–.10 33 3.9b,3.9
DJA XI 20 21 29 44 2.46N 125.70E 23 4.4,3.9
IDC Error ellipse: s-maj=105.7km s-min=22.5km az=68.0.
ISCJB Error ellipse: s-maj=19.0km s-min=13.2km az=21.2.
IDC XI 21 00 02 18.4–1.9 2.50N 126.90E 0 3.8,3.6
¶12074346

IDC Error ellipse: s-maj=116.0km s-min=23.8km az=70.0.
ISC XI 22 21 30 22.0–.71 1.98N–.04 126.22E–.06 64–8 4.1b 24 2-93
IDC XI 22 21 30 13.9–.99 1.98N 126.01E 0 4.2,4.1 ¶12074538
ISCJB XI 22 21 30 21.0–.73 1.96N–.04 126.20E–.06 73–8 4.0b,4.1
DJA XI 22 21 30 21 1.99N 126.18E 30 4.2,4.1
IDC Error ellipse: s-maj=111.3km s-min=13.8km az=69.0.
ISCJB Error ellipse: s-maj=10.1km s-min=7.1km az=171.0.
IDC XI 24 18 58 00.8–1.8 2.64N 127.11E 0 3.7,3.5b
¶12074705

IDC Error ellipse: s-maj=140.8km s-min=25.5km az=67.0.
IDC XI 28 23 17 46.6–2.0 1.97N 126.93E 0 3.7,3.6b
¶12075195

IDC Error ellipse: s-maj=116.3km s-min=24.4km az=69.0.
ISC XII 03 15 28 11.9–.78 2.61N–.06 126.03E–.07 127–7 3.8b 17 1-37
IDC XII 03 15 27 54.0–9.4 3.19N 126.40E 0 4.1,3.9 ¶12075615
ISCJB XII 03 15 28 10.9–.78 2.60N–.06 126.03E–.07 132–7 3.8b,3.9
DJA XII 03 15 28 13 2.55N 126.03E 97 4.2,3.9
IDC Error ellipse: s-maj=156.0km s-min=96.3km az=143.0.
ISCJB Error ellipse: s-maj=12.7km s-min=8.4km az=139.2.
IDC XII 03 16 17 08.9–1.7 1.53N 125.12E 0 3.7,3.6b
¶12075617

IDC Error ellipse: s-maj=191.2km s-min=23.0km az=64.0.
ISC XII 03 17 46 26.0–2.9 0.56N–.08 126.16E–.04 29–25 3.7b 16 1-60
IDC XII 03 17 46 20.5–1.6 0.72N 126.68E 0 3.9,3.7b ¶12075626
DJA XII 03 17 46 25 0.71N 126.18E 78 3.7,3.7b
IDC Error ellipse: s-maj=154.3km s-min=23.1km az=65.0.
IDC XII 03 20 25 54.9–2.1 0.76N 125.90E 0 3.5,3.3
¶12075640

IDC Error ellipse: s-maj=181.6km s-min=27.5km az=65.0.
DJA XII 04 12 24 28 2.04N 126.69E 120 3.6
¶12923280

ISC XII 05 01 43 32.6–.60 0.75N–.06 126.28E–.04 52–7 4.0b 36 1-123
ISCJB XII 05 01 43 31.3–.59 0.74N–.06 126.26E–.04 59–7 4.0b ¶12075816
DJA XII 05 01 43 31 0.74N 126.31E 14 4.0
IDC XII 05 01 43 37.6–4.6 0.57N 125.90E 97–45 3.6b,3.6
NEIC XII 05 01 43 37.4–2.8 0.58N 126.00E 97–26 4.1b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.9km az=11.9.
IDC Error ellipse: s-maj=39.0km s-min=16.0km az=65.0.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=9.2km az=58.0.
IDC XII 05 09 44 01.4–2.1 2.54N 127.19E 0 3.7,3.5b
¶12075868

IDC Error ellipse: s-maj=164.0km s-min=26.8km az=66.0.
IDC XII 06 19 01 29.4–1.7 0.51N 126.28E 0 3.4,3.2b
¶12076051

IDC Error ellipse: s-maj=179.9km s-min=21.8km az=66.0.

IDC XII 08 13 56 50.2–2.2 2.02N 126.41E 0 3.4,3.2
¶12076364

IDC Error ellipse: s-maj=189.2km s-min=25.9km az=66.0.
IDC XII 08 16 49 14.3–2.0 1.93N 126.08E 0 3.5,3.3b
¶12076377

IDC Error ellipse: s-maj=177.5km s-min=25.2km az=65.0.
IDC XII 09 01 42 44.6–1.2 0.69N 125.28E 0 3.6,3.5
¶12076450

IDC Error ellipse: s-maj=140.8km s-min=20.3km az=67.0.

ISC	**XII**	**09 04 49 36.8–.70**	**1.35N–.06**	**126.44E–.05**	**45–9**	**4.1b**	**21**	**1-75**
IDC	XII	09 04 49 30.9–1.1	1.32N	126.51E	0	4.2,4.1b		**¶12076466**
ISCJB	XII	09 04 49 35.7–.65	1.33N–.06	126.41E–.05	57–8	4.1b,4.1b		
DJA	XII	09 04 49 35	1.44N	126.44E	23	4.2,4.1b		

IDC Error ellipse: s-maj=52.3km s-min=16.3km az=69.0.
ISCJB Error ellipse: s-maj=10.5km s-min=6.7km az=33.3.

ISC	**XII**	**09 05 33 14.9–.37**	**1.24N–.02**	**126.97E–.03**	**74–3**	**5.0b**	**368**	**1-160**
TEH	XII	09 05 33 00.0	1.14N	126.84E	98	5.0b		**¶12076472**
MOS	XII	09 05 33 09.5–.91	1.26N	126.85E	41	5.2b,4.1s		
BJI	XII	09 05 33 12.1	0.93N	127.13E	86	5.1b,4.9b		
ISCJB	XII	09 05 33 13.3–.42	1.25N–.02	126.97E–.03	75–3	5.0b,4.9b		
IDC	XII	09 05 33 14.4–1.1	1.24N	126.86E	68–9	4.6,4.6		
DJA	XII	09 05 33 15	1.27N	126.96E	70	5.3b,4.6		
NEIC	XII	09 05 33 15.2–.87	1.22N	126.89E	79–8	5.1b,4.6		
GCMT	XII	09 05 33 16.0–.20	1.50N	126.78E	75–1	5.2W,4.6		

ISC Event type fe.
MOS Error ellipse: s-maj=11.8km s-min=6.1km az=111.8.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.4km az=172.2.
IDC Error ellipse: s-maj=14.3km s-min=6.9km az=78.0.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=4.0km az=67.0. Felt [III] on Pulau Ternate, Indonesia.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s61,c92; s80,c131; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.93±.22 $M_{\theta\theta}$6.28±.18; $M_{\phi\phi}$-0.36±.23; $M_{r\theta}$2.87±.14; $M_{\theta\phi}$2.19±.19; $M_{\phi r}$-2.78±.18; Best double couple: NP1:ϕ_s50.00000°,δ42.00000°,λ-130.00000°. NP2:ϕ_s278.00000°,δ59.00000°,λ-60.00000°. Principal axes: T 7.2600,Plg9.0000° ,Azm347.0000°; N 0.6700,Plg26.0000°,Azm82.0000°; P -7.9400,Plg63.0000°,Azm239.0000° $M_0$7.60000×10^{16}

ISC	**XII**	**09 05 40 24.5–.46**	**1.25N–.04**	**126.98E–.04**	**81–4**	**4.5b**	**88**	**1-124**
ISCJB	XII	09 05 40 23.2–.47	1.28N–.04	126.96E–.04	85–4	4.5b		**¶12076474**
IDC	XII	09 05 40 24.3–2.2	1.18N	126.90E	82–19	4.3,4.2b		
NEIC	XII	09 05 40 24.3–1.6	1.20N	126.99E	83–15	4.7b,4.2b		
DJA	XII	09 05 40 25	1.23N	126.76E	31	4.9,4.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.3km az=139.4.
IDC Error ellipse: s-maj=19.4km s-min=8.8km az=82.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.4km az=65.0.

ISC	**XII**	**09 05 46 19.7–.90**	**1.12N–.08**	**126.90E–.07**	**85–9**	**3.8b**	**16**	**1-64**
ISCJB	XII	09 05 46 18.4–.96	1.18N–.09	126.91E–.08	91–9	3.8b		**¶12076476**
IDC	XII	09 05 46 20.6–8.3	1.10N	126.74E	91–80	4.1L,3.7		
DJA	XII	09 05 46 20	1.18N	126.89E	38	4.4,3.7		

ISCJB Error ellipse: s-maj=16.0km s-min=12.2km az=37.5.
IDC Error ellipse: s-maj=60.4km s-min=18.2km az=58.0.

ISC	**XII**	**09 05 54 10.7–1.1**	**1.09N–.09**	**126.80E–.08**	**96–11**	**3.9b**	**15**	**1-64**
ISCJB	XII	09 05 54 09.2–1.2	1.14N–.10	126.83E–.09	100–10	3.9b		**¶12076478**
DJA	XII	09 05 54 09	1.34N	126.96E	40	4.2		
IDC	XII	09 05 54 11.9–9.3	1.05N	126.70E	106–88	3.9L,3.7b		

ISCJB Error ellipse: s-maj=18.5km s-min=11.8km az=40.0.
IDC Error ellipse: s-maj=68.2km s-min=18.1km az=55.0.
IDC XII 09 08 43 36.3–1.8 1.20N 126.49E 0 3.8,3.6b
¶12076497

IDC Error ellipse: s-maj=180.5km s-min=21.3km az=66.0.

ISC	**XII**	**09 09 19 26.8–1.0**	**1.3N–.10**	**126.95E–.06**	**73–9**	**3.7b**	**13**	**1-64**
IDC	XII	09 09 19 18.2–1.8	1.23N	126.69E	0	4.0,3.8b		**¶12076503**
ISCJB	XII	09 09 19 25.8–.98	1.3N–.10	126.94E–.06	82–8	3.7b,3.8b		
DJA	XII	09 09 19 28	1.23N	126.83E	37	4.1,3.8b		

IDC Error ellipse: s-maj=185.5km s-min=20.6km az=66.0.
ISCJB Error ellipse: s-maj=18.0km s-min=8.4km az=19.6.

ISC	**XII**	**09 15 49 13.1–1.4**	**1.4N–.10**	**126.98E–.09**	**76–10**	**3.5b**	**12**	**1-60**
IDC	XII	09 15 49 04.3–2.1	1.30N	126.85E	0	3.7,3.6		**¶12076562**
ISCJB	XII	09 15 49 11.8–1.4	1.4N–.10	126.99E–.09	82–10	3.5b,3.6		
DJA	XII	09 15 49 14	1.25N	126.83E	28	3.7,3.6		

IDC Error ellipse: s-maj=179.5km s-min=25.1km az=66.0.
ISCJB Error ellipse: s-maj=24.3km s-min=8.4km az=31.1.

ISC	**XII**	**09 21 49 49.6–1.1**	**1.27N–.09**	**126.98E–.06**	**76–8**	**3.6b**	**15**	**1-60**
IDC	XII	09 21 49 40.9–1.9	1.25N	126.79E	0	3.9,3.7		**¶12076620**
ISCJB	XII	09 21 49 48.6–1.0	1.26N–.08	126.97E–.06	84–7	3.6b,3.7		
DJA	XII	09 21 49 51	1.08N	126.82E	32	3.9,3.7		

IDC Error ellipse: s-maj=110.0km s-min=24.6km az=69.0.
ISCJB Error ellipse: s-maj=15.7km s-min=7.3km az=31.9.
IDC XII 10 04 50 31.2–2.0 0.55N 126.25E 0 3.8,3.6
¶12076668

IDC Error ellipse: s-maj=166.4km s-min=26.5km az=65.0.
IDC XII 10 21 13 57.1–1.1 1.28N 126.93E 0 3.8,3.7L
¶12076792

IDC Error ellipse: s-maj=111.2km s-min=15.8km az=70.0.
IDC XII 11 14 14 23.7–2.0 1.20N 126.67E 0 3.8,3.6b
¶12076936

IDC Error ellipse: s-maj=183.1km s-min=23.5km az=66.0.

ISC	**XII**	**11 14 23 45.4–.44**	**1.51N–.03**	**126.45E–.03**	**56–4**	**4.8b,3.8s**	**239**	**1-123**
BJI	XII	11 14 23 37.9	1.01N	126.62E	43	5.1b,4.8b		**¶12076939**
MOS	XII	11 14 23 41.0–.93	1.50N	126.35E	33	5.1b,4.8b		
NEIC	XII	11 14 23 43.0–.21	1.55N	126.51E	36	5.0b,4.8b		
ISCJB	XII	11 14 23 43.7–.49	1.52N–.03	126.43E–.03	56–5	4.8b,3.8s		
DJA	XII	11 14 23 44.8–.70	2N–3.0	127E–2.0	27–7	5.1b,4.9b		
IDC	XII	11 14 23 45.0–1.9	1.52N	126.48E	51–17	4.6L,4.4b		

ISC Event type se.
MOS Error ellipse: s-maj=17.0km s-min=6.2km az=118.1.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.0km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.2km az=139.6.
IDC Error ellipse: s-maj=18.2km s-min=8.1km az=78.0.
IDC XII 12 19 04 40.4–1.9 0.70N 125.17E 0 3.4,3.3
¶12077169

IDC Error ellipse: s-maj=194.6km s-min=25.2km az=64.0.
IDC XII 13 10 20 37.2–9.3 1.18N 126.81E 90–89 3.9L,3.6
¶12077285

IDC Error ellipse: s-maj=67.6km s-min=20.8km az=55.0.

ISC	**XII**	**14 19 32 28.7–.41**	**2.28N–.03**	**126.90E–.04**	**73–4**	**4.7b**	**233**	**2-160**
IDC	XII	14 19 32 19.5–.50	2.45N	127.01E	0	4.6,4.5		**¶12077488**
MOS	XII	14 19 32 22.3–.96	2.34N	126.91E	33	5.0b,4.5		
ISCJB	XII	14 19 32 27.0–.47	2.30N–.03	126.88E–.04	73–4	4.7b,4.5		
BJI	XII	14 19 32 26.0	1.85N	126.98E	91	5.0b,4.7b		
NEIC	XII	14 19 32 27.1–1.3	2.29N	126.90E	61–12	4.8b,4.7b		
DJA	XII	14 19 32 29.2–.40	2N–3.0	127E–3.0	60–4	5.1b,4.8b		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.

ISC	**XII**	**15 16 05 08.0–1.3**	**1.98N–.08**	**126.8E–.10**	**41–13**	**3.8b**	**28**	**1-87**
IDC	XII	15 16 05 02.2–.86	1.91N	126.62E	0	3.8,3.7		**¶12077626**
NEIC	XII	15 16 05 03.8–.50	1.93N	126.61E	10	4.5b,3.7		
DJA	XII	15 16 05 06	2.02N	126.71E	20	4.2,3.7		
ISCJB	XII	15 16 05 07.5–1.1	1.96N–.08	126.68E–.09	54–11	3.8b,3.7		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**XII**	**15 20 45 02.8–.74**	**2.66N–.04**	**126.22E–.07**	**69–6**	**4.2b**	**57**	**1-92**
ISCJB	XII	15 20 45 01.6–.76	2.69N–.04	126.22E–.07	74–6	4.2b		**¶12077658**
DJA	XII	15 20 45 01	2.66N	126.24E	24	4.2		
IDC	XII	15 20 45 04.8–3.6	2.51N	125.99E	80–33	3.8,3.7		
NEIC	XII	15 20 45 05.9–5.2	2.46N	125.90E	94–52	4.5b,3.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=6.4km az=158.7.
IDC Error ellipse: s-maj=38.0km s-min=9.9km az=76.0.

NEIC Event type se. Error ellipse: s-maj=18.5km s-min=8.7km az=62.0.
IDC XII 17 07 20 54.7–1.8 1.82N 126.14E 0 3.5,3.3b
¶12077881

IDC Error ellipse: s-maj=185.2km s-min=21.8km az=66.0.
IDC XII 17 23 14 05.8–8.3 2.18N 126.31E 0 4.2,4.1
¶12077991

IDC Error ellipse: s-maj=134.3km s-min=102.5km az=136.0.

ISC	**XII**	**18 15 50 17.2–.27**	**2.36N–.02**	**127.20E–.02**	**102–2**	**5.3b**	**581**	**2-168**
BJI	XII	18 15 50 13.2	1.99N	127.29E	107	5.3b,5.2b		**¶12078065**
ISCJB	XII	18 15 50 16.0–.29	2.37N–.02	127.20E–.02	104–2	5.3b,5.2b		
NEIC	XII	18 15 50 15.3–.68	2.30N	127.17E	87–6	5.6b,5.2W		
MOS	XII	18 15 50 15.2–1.1	2.36N	127.11E	96	5.4b,4.1s		
IDC	XII	18 15 50 16.9–1.1	2.30N	127.14E	99–9	4.9,4.9		
DJA	XII	18 15 50 18.5–.30	2N–2.0	127E–2.0	92–3	5.8,5.6b		
GCMT	XII	18 15 50 18.2–.10	2.38N	127.07E	106–1	5.3W,5.6b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.5km az=171.5.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.3km az=69.0.
MOS Error ellipse: s-maj=9.8km s-min=4.7km az=113.2.
IDC Error ellipse: s-maj=11.5km s-min=6.7km az=76.0.
GCMT Event type se. Data Used: II IC G IU CN. Surface waves: sta=101, comp=177, per= 50. Moment Tensor Solution. s77,c113; s2,c2; Moment tensor: Scale 10^{17}Nm; M_{rr}0.73±.02 $M_{\theta\theta}$0.34±.02; $M_{\phi\phi}$-1.07±.02; $M_{r\theta}$-0.46±.01; $M_{\theta\phi}$-0.36±.02; $M_{\phi r}$-0.03±.02; Best double couple: NP1:ϕ_s343.00000°,δ51.00000°,λ42.00000°. NP2:ϕ_s223.00000°,δ58.00000°,λ132.00000°. Principal axes: T 1.0500,Plg55.0000°,Azm189.0000°; N 0.1200,Plg35.0000°,Azm18.0000° ; P -1.1700,Plg4.0000°,Azm285.0000° $M_0$1.10000×10^{17}

ISC	**XII**	**19 01 01 12.5–.55**	**0.99N–.07**	**125.39E–.06**	**90–5**	**3.9b**	**29**	**1-75**
IDC	XII	19 01 01 01.5–1.1	1.19N	125.57E	0	4.1,4.0b		**¶12078131**
NEIC	XII	19 01 01 06.6–.43	1.26N	125.71E	35	4.2b,4.0b		
ISCJB	XII	19 01 01 11.4–.55	1.00N–.07	125.38E–.06	98–5	3.9b,4.0b		
DJA	XII	19 01 01 12	0.75N	125.40E	16	4.2,4.0b		

ISC Event type se.
IDC Error ellipse: s-maj=55.2km s-min=18.0km az=69.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=7.7km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=8.5km az=40.0.

ISC	**XII**	**19 08 06 14.1–.40**	**1.23N–.02**	**126.90E–.03**	**82–3**	**4.9b**	**300**	**1-163**
BJI	XII	19 08 06 03.7	0.55N	127.37E	57	5.2b,4.8s		**¶11513609**
MOS	XII	19 08 06 07.2–.88	1.30N	126.87E	33	5.2b,4.8s		
IDC	XII	19 08 06 11.5–.50	1.24N	126.84E	57–3	4.5,4.5		
ISCJB	XII	19 08 06 12.8–.43	1.25N–.02	126.89E–.03	85–4	4.9b,4.5		
NEIC	XII	19 08 06 13.0–.91	1.23N	126.84E	73–8	5.0b,4.5		
GCMT	XII	19 08 06 14.0–.20	1.46N	126.74E	73–2	5.2W,4.5		
DJA	XII	19 08 06 15.5–.40	1N–4.0	127E–3.0	84–4	5.6b,5.5		

ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s43,c53; s65,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.38±.25 $M_{\theta\theta}$4.13±.19; $M_{\phi\phi}$-0.75±.25; $M_{r\theta}$1.54±.14; $M_{\theta\phi}$4.24±.19; $M_{\phi r}$-3.15±.17; Best double couple: NP1:ϕ_s275.00000°,δ58.00000°,λ-35.00000°. NP2:ϕ_s25.00000°,δ61.00000°,λ-143.00000°. Principal axes: T 6.5900,Plg2.0000° ,Azm149.0000°; N 0.2000,Plg44.0000°,Azm58.0000°; P -6.7900,Plg46.0000°,Azm241.0000° $M_0$6.70000×10^{16}

ISC	**XII**	**19 15 16 29.9–.81**	**0.8N–.20**	**126.0E–.50**	**35**	**3.6b**	**14**	**19-64**
IDC	XII	19 15 16 24.9–1.2	1.04N	126.32E	0	3.7,3.5b		**¶12078221**
ISCJB	XII	19 15 16 27.7–.80	0.8N–.20	125.9E–.50	33	3.6b,3.5b		
NEIC	XII	19 15 16 29.8–.64	0.88N	126.13E	35	3.6b,3.5b		

ISC Event type se.
IDC Error ellipse: s-maj=149.1km s-min=18.8km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=70.4km s-min=11.9km az=161.3.
NEIC Event type se. Error ellipse: s-maj=59.5km s-min=9.5km az=71.0.

ISC	**XII**	**20 11 10 33.4–.89**	**1.04N–.07**	**126.75E–.07**	**96–9**	**4.0b**	**47**	**1-76**
IDC	XII	20 11 10 21.4–.95	1.35N	127.09E	0	4.1,4.0b		**¶12078314**
NEIC	XII	20 11 10 27.1–.39	1.22N	126.83E	35	4.4b,4.0b		
ISCJB	XII	20 11 10 32.1–.89	1.07N–.07	126.75E–.07	101–8	4.0b,4.0b		
DJA	XII	20 11 10 34	0.83N	126.72E	35	4.4b,4.0b		

ISC Event type se.
IDC Error ellipse: s-maj=100.2km s-min=14.1km az=69.0.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=6.2km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=6.9km az=137.0.

ISC	**XII**	**20 13 11 45.3–.92**	**1.09N–.09**	**126.88E–.06**	**83–10**	**3.7b**	**18**	**1-60**
IDC	XII	20 13 11 35.2–1.8	1.23N	126.73E	0	4.1,3.9		**¶12078332**
ISCJB	XII	20 13 11 44.3–.90	1.08N–.09	126.86E–.06	91–9	3.7b,3.9		
DJA	XII	20 13 11 45	1.01N	126.72E	12	4.3,3.9		

IDC Error ellipse: s-maj=115.3km s-min=22.5km az=69.0.
ISCJB Error ellipse: s-maj=15.2km s-min=9.9km az=18.8.
IDC XII 21 09 45 46.7–8.1 2.41N 126.59E 0 3.8,3.6b
¶12078440

IDC Error ellipse: s-maj=170.1km s-min=126.6km az=74.0.
IDC XII 22 05 27 51.4–2.0 1.41N 125.84E 0 3.8,3.6b
¶12078518

IDC Error ellipse: s-maj=193.7km s-min=25.2km az=65.0.
IDC XII 22 08 08 25.2–2.4 2.47N 126.19E 0 3.7,3.5b
¶12078530

IDC Error ellipse: s-maj=224.9km s-min=26.3km az=65.0.
IDC XII 22 14 07 24.2–1.3 1.31N 126.93E 0 3.9L,3.9
¶12078571

IDC Error ellipse: s-maj=102.7km s-min=17.9km az=68.0.
DJA XII 22 15 43 05 0.87N 125.90E 27 3.6
¶12923477

ISC	**XII**	**22 18 42 08.0–.70**	**0.48N–.09**	**126.14E–.06**	**48–11**	**3.9b**	**24**	**1-60**
DJA	XII	22 18 41 35	1.51S	126.82E	10	3.6		**¶12078587**
IDC	XII	22 18 42 01.9–1.4	0.42N	126.11E	0	4.0,3.9L		
ISCJB	XII	22 18 42 07.9–.56	0.59N–.09	126.22E–.04	71–8	3.9b,3.9L		
NEIC	XII	22 18 42 07.1–.78	0.33N	125.91E	35	4.2b,3.9L		

ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=21.9km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=6.7km az=13.4.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=11.7km az=59.0.
IDC XII 24 07 45 45.9–1.5 1.91N 125.09E 0 4.4,4.2b
¶12078785

IDC Error ellipse: s-maj=110.2km s-min=21.7km az=66.0.

ISC	**XII**	**24 13 28 29.4–1.1**	**2.67N–.07**	**127.19E–.09**	**84–11**	**3.8b**	**24**	**2-63**
IDC	XII	24 13 28 20.0–1.1	2.55N	126.47E	0	3.9,3.8b		**¶12078822**
NEIC	XII	24 13 28 24.6–.68	2.68N	126.93E	35	3.9b,3.8b		
DJA	XII	24 13 28 26	2.60N	127.12E	10	3.9,3.8b		
ISCJB	XII	24 13 28 28.2–1.1	2.71N–.07	127.17E–.09	91–11	3.8b,3.8b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**XII**	**25 06 02 17.4–3.1**	**0.09N–.09**	**126.12E–.09**	**24–25**	**3.8b**	**23**	**1-76**
IDC	XII	25 06 02 13.3–1.4	0.18N	126.36E	0	3.9,3.8b		**¶12078888**
DJA	XII	25 06 02 16	0.28N	126.16E	10	3.8,3.8b		
NEIC	XII	25 06 02 16.9–.75	0.01S	125.93E	20	4.2b,3.8b		

ISC Event type se.
IDC Error ellipse: s-maj=121.7km s-min=26.0km az=67.0.
NEIC Event type se. Error ellipse: s-maj=135.0km s-min=10.0km az=66.0.

ISC	**XII**	**26 06 19 30.4–.52**	**2.11N–.04**	**126.14E–.05**	**79–5**	**4.1b**	**51**	**1-148**
NEIC	XII	26 06 19 25.6–.32	2.17N	126.14E	35	4.6b		**¶12079006**
ISCJB	XII	26 06 19 29.5–.53	2.09N–.04	126.11E–.05	87–5	4.1b		
IDC	XII	26 06 19 30.1–3.5	2.06N	125.95E	75–31	3.8,3.7b		
DJA	XII	26 06 19 30	2.10N	126.13E	69	4.4,3.7b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=5.8km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.7km az=142.8.
IDC Error ellipse: s-maj=57.6km s-min=10.8km az=69.0.
IDC XII 27 20 28 15.3–1.7 1.63N 126.14E 0 3.8,3.7b
¶12079209

IDC Error ellipse: s-maj=163.6km s-min=21.7km az=66.0.
IDC XII 29 07 55 29.6–1.6 0.95N 125.98E 0 3.7,3.6b
¶12079372

IDC Error ellipse: s-maj=175.1km s-min=21.5km az=65.0.

DJA XII 29 16 37 05 1.30N 126.48E 65 3.6
¶12923542

ISC XII 30 12 35 33.7–1.2 1.1N–.10 126.45E–.09 50–14 3.5b 10 1-60
IDC XII 30 12 35 28.6–1.8 0.46N 125.08E 0 3.8,3.6b **¶12079549**
ISCJB XII 30 12 35 32.8–1.2 1.1N–.10 126.43E–.08 60–12 3.5b,3.6b
DJA XII 30 12 35 32 1.14N 126.50E 64 3.8,3.6b
IDC Error ellipse: s-maj=184.1km s-min=23.9km az=64.0.
ISCJB Error ellipse: s-maj=22.9km s-min=9.4km az=29.9.
IDC XII 30 22 00 07.5–1.8 2.31N 127.90E 0 3.8,3.6b
¶12079599

IDC Error ellipse: s-maj=144.5km s-min=21.9km az=66.0.

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ISC VII 01 15 58 12.7–.80 1.69N–.06 127.51E–.08 136–6 4.2b 24 1-64
IDC VII 01 15 58 08.4–3.2 1.67N 127.54E 90–28 4.1,4.0b **¶11799178**
NEIC VII 01 15 58 10.7–2.3 1.59N 127.46E 112–24 4.2b,4.0b
ISCJB VII 01 15 58 11.6–.78 1.71N–.06 127.51E–.07 142–6 4.2b,4.0b
DJA VII 01 15 58 14 1.75N 127.42E 117 4.6,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=80.2km s-min=14.3km az=69.0.
NEIC Event type se. Error ellipse: s-maj=58.8km s-min=8.1km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=8.2km az=148.7.
IDC VII 02 21 23 39.1–1.7 2.77N 128.68E 0 3.7,3.6
¶12697951

IDC Error ellipse: s-maj=201.2km s-min=17.1km az=70.0.
ISC VII 02 22 44 46.1–.58 1.12S–.07 127.5E–.10 35 4.0b 25 9-85
IDC VII 02 22 44 40.9–.95 1.03S 127.55E 0 4.1,4.0L **¶11799310**
ISCJB VII 02 22 44 44.1–.57 1.10S–.07 127.5E–.10 33 4.0b,4.0L
NEIC VII 02 22 44 46.2–.36 1.09S 127.49E 35 4.2b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=16.8km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=8.8km az=167.1.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=5.5km az=77.0.
IDC VII 03 16 56 38.0–2.0 0.68N 127.11E 0 3.6,3.4b
¶12697986

IDC Error ellipse: s-maj=172.3km s-min=24.6km az=66.0.
ISC VII 05 09 14 57.7–.65 1.38N–.06 127.23E–.06 162–6 3.9b 34 1-124
ISCJB VII 05 09 14 56.2–.65 1.45N–.05 127.25E–.06 164–5 3.9b **¶11810688**
IDC VII 05 09 15 02.7–5.3 1.35N 127.42E 217–54 3.5b,3.5
DJA VII 05 09 15 03 1.28N 126.87E 101 4.4,3.5
NEIC VII 05 09 15 04.7–4.8 1.31N 127.38E 238–48 4.1b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.5km az=153.0.
IDC Error ellipse: s-maj=48.6km s-min=13.4km az=75.0.
NEIC Event type se. Error ellipse: s-maj=51.0km s-min=11.8km az=66.0.
IDC VII 05 18 24 58.1–2.0 1.37S 127.68E 0 3.7,3.5L
¶12698024

IDC Error ellipse: s-maj=151.9km s-min=25.0km az=67.0.
ISC VII 06 14 31 04.8–.92 1.44N–.05 128.73E–.06 61–9 4.3b 46 2-93
IDC VII 06 14 30 57.1–.71 1.54N 128.74E 0 4.2,4.2b **¶11810807**
NEIC VII 06 14 30 58.4–.38 1.54N 128.82E 10 4.4b,4.2b
ISCJB VII 06 14 31 03.0–1.0 1.47N–.05 128.75E–.06 64–10 4.3b,4.2b
DJA VII 06 14 31 04 1.35N 128.72E 24 4.6,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=13.5km az=81.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.7km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.8km az=154.0.
ISC VII 10 11 20 39.4–.73 2.78N–.06 128.49E–.08 242–9 3.9b 28 2-92
ISCJB VII 10 11 20 38.5–.74 2.78N–.06 128.51E–.08 248–9 3.9b **¶11811168**
NEIC VII 10 11 20 38.9–3.2 2.78N 128.73E 239–36 3.9b
IDC VII 10 11 20 39.0–2.6 2.74N 128.65E 237–27 3.7,3.5b
DJA VII 10 11 20 41 2.74N 128.45E 223 4.5,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.4km az=156.1.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=10.8km az=86.0.
IDC Error ellipse: s-maj=37.4km s-min=10.2km az=82.0.
ISC VII 10 18 56 08.7–.61 1.4N–.10 128.6E–.30 35 4.1b 15 22-70
IDC VII 10 18 56 03.7–.92 1.48N 128.57E 0 3.9,3.8b **¶11811195**
NEIC VII 10 18 56 05.7–.61 1.47N 128.53E 15 4.5b,3.8b
ISCJB VII 10 18 56 06.5–.61 1.5N–.10 128.6E–.30 33 4.1b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 12 05 49 17.8–2.2 0.63S 127.65E 0 3.8,3.5b
¶12698155

IDC Error ellipse: s-maj=158.5km s-min=27.6km az=67.0.
IDC VII 12 20 34 35.8–1.9 2.84N 128.77E 0 3.8,3.7
¶12698170

IDC Error ellipse: s-maj=119.8km s-min=21.8km az=69.0.
ISC VII 14 13 43 10.9–.71 1.67N–.05 127.01E–.07 113–6 3.8b 26 1-69
ISCJB VII 14 13 43 09.9–.70 1.68N–.05 126.99E–.07 121–6 3.8b **¶11811560**
IDC VII 14 13 43 11.2–3.0 1.59N 126.99E 115–24 3.6,3.5b
NEIC VII 14 13 43 11.3–7.2 1.60N 127.06E 118–73 3.9b,3.5b
DJA VII 14 13 43 11 1.71N 126.97E 93 4.3,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=6.8km az=149.0.
IDC Error ellipse: s-maj=93.4km s-min=12.2km az=70.0.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=16.2km az=72.0.
ISC VII 16 07 05 57.5–3.5 1.86N–.06 128.86E–.06 5–23 4.5b,3.0s 32 2-60
IDC VII 16 07 05 56.7–.74 1.86N 128.87E 0 4.3,4.2 **¶11811721**
ISCJB VII 16 07 05 57.7–2.7 1.84N–.05 128.82E–.06 20–20 4.5b,3.0s
NEIC VII 16 07 05 57.9–.44 1.88N 128.85E 10 4.7b,3.0s
DJA VII 16 07 06 02 1.59N 128.56E 2 4.5,3.0s
ISC Event type fe.
IDC Error ellipse: s-maj=28.9km s-min=14.1km az=78.0.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=9.2km az=177.7.
NEIC Event type fe. Error ellipse: s-maj=16.9km s-min=6.9km az=73.0. Felt at Ternate.
ISC VII 18 22 55 09.5–.66 1.87N–.04 127.15E–.07 66–6 4.3b 47 1-122
DJA VII 18 22 55 07 2.05N 127.26E 25 4.9 **¶11811988**
ISCJB VII 18 22 55 08.2–.70 1.89N–.04 127.14E–.07 70–6 4.3b
IDC VII 18 22 55 10.5–.70 1.79N 127.09E 76–5 4.0,3.9
NEIC VII 18 22 55 10.4–.30 1.80N 127.11E 77 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.4km az=161.5.
IDC Error ellipse: s-maj=29.1km s-min=11.1km az=78.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.9km az=75.0.
ISC VII 21 20 39 58.3–6.1 0.48S–.07 128.1E–.20 4–41 3.7b 8 1-62
IDC VII 21 20 39 57.6–3.3 0.41S 128.38E 0 3.8,3.7b **¶12698373**
DJA VII 21 20 40 02 0.54S 127.66E 8 3.9,3.7b
IDC Error ellipse: s-maj=350.2km s-min=27.8km az=66.0.
IDC VII 21 23 30 49.6–4.7 2.71N 129.55E 0 3.7b,3.7
¶12698374

IDC Error ellipse: s-maj=418.3km s-min=26.2km az=71.0.
DJA VII 23 06 32 21 1.44S 129.57E 10 4.0
¶12921999

ISC VII 24 03 34 20.6–.97 2.47N–.08 128.5E–.10 229–10 3.9b 27 2-85
DJA VII 24 03 34 18 2.81N 129.06E 10 4.4 **¶11812501**
ISCJB VII 24 03 34 19.6–.00 2.50N–.07 128.5E–.10 236–10 3.9b
IDC VII 24 03 34 19.4–2.6 2.50N 128.59E 219–26 3.7,3.6b
NEIC VII 24 03 34 19.2–3.2 2.52N 128.58E 215–35 4.3b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=8.3km az=155.1.
IDC Error ellipse: s-maj=23.8km s-min=10.5km az=79.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=11.1km az=70.0.
DJA VII 24 04 59 07 1.31N 127.32E 90 3.6
¶12922011

ISC VII 24 22 24 29.4–.42 1.48N–.03 127.13E–.04 121–3 4.7b 118 1-93
NEIC VII 24 22 24 27.9–.81 1.43N 127.07E 108–8 4.8b **¶11153695**
ISCJB VII 24 22 24 28.5–.43 1.48N–.03 127.12E–.04 128–3 4.7b
IDC VII 24 22 24 29.0–1.7 1.44N 127.02E 118–15 4.2,4.1
DJA VII 24 22 24 34 1.26N 126.87E 94 4.9b,4.1

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=3.6km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.6km az=166.4.
IDC Error ellipse: s-maj=24.9km s-min=9.5km az=72.0.
ISC VIII 05 14 04 24.1–.40 1.73N–.02 127.63E–.04 114–3 4.8b 210 1-163
BJI VIII 05 14 04 14.6 0.88N 128.06E 110 4.8b,4.7b **¶11154197**
ISCJB VIII 05 14 04 23.5–.43 1.75N–.02 127.60E–.04 125–4 4.8b,4.7b
MOS VIII 05 14 04 25.0–.94 1.73N 127.55E 143 4.8b,4.7b
NEIC VIII 05 14 04 25.9–.21 1.69N 127.54E 138 4.8b,4.7b
IDC VIII 05 14 04 26.3–.63 1.68N 127.55E 138–5 4.5,4.4
DJA VIII 05 14 04 27 1.69N 127.44E 115 5.3b,4.4
MAN VIII 05 14 05 04 4.44N 126.06E 114 5.4b,4.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.5km az=173.0.
MOS Error ellipse: s-maj=14.2km s-min=7.1km az=112.4.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.2km az=64.0.
IDC Error ellipse: s-maj=15.9km s-min=8.3km az=76.0.
IDC VIII 06 21 23 31.3–5.0 2.80N 128.60E 0 3.7,3.6b
¶12580945

IDC Error ellipse: s-maj=447.9km s-min=26.7km az=69.0.
ISC VIII 11 14 00 36.7–2.3 1.09S–.05 127.2E–.10 2–15 4.0b 22 1-78
IDC VIII 11 14 00 35.8–1.3 1.14S 127.23E 0 4.1b,4.1 **¶11908087**
ISCJB VIII 11 14 00 37.1–2.7 1.05S–.04 127.16E–.07 15–17 4.0b,4.1
DJA VIII 11 14 00 38 1.02S 127.24E 16 3.9,4.1
NEIC VIII 11 14 00 41.0–.77 1.18S 127.23E 35 3.9b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=173.5km s-min=18.8km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.1km az=171.4.
NEIC Event type se. Error ellipse: s-maj=102.0km s-min=10.8km az=67.0.
IDC VIII 12 16 28 21.1–1.3 1.98N 127.49E 0 3.8,3.7b
¶12581038

IDC Error ellipse: s-maj=65.0km s-min=24.4km az=80.0.
IDC VIII 13 23 47 58.9–1.6 1.75N 127.31E 0 4.2,4.1b
¶12581069

IDC Error ellipse: s-maj=96.4km s-min=22.1km az=68.0.
ISC VIII 17 04 35 06.5–.54 1.57N–.04 127.30E–.05 155–4 4.1b 60 1-92
ISCJB VIII 17 04 35 05.2–.54 1.59N–.04 127.33E–.05 161–4 4.1b **¶11908338**
IDC VIII 17 04 35 05.0–3.2 1.53N 127.29E 144–29 3.8b,3.8
NEIC VIII 17 04 35 08.6–2.3 1.44N 127.12E 175–21 4.3b,3.8
DJA VIII 17 04 35 08 1.61N 127.23E 127 4.7b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.0km az=154.0.
IDC Error ellipse: s-maj=49.8km s-min=10.1km az=73.0.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=7.4km az=62.0.
ISC VIII 17 15 50 43.2–1.8 2.8N–.10 129.0E–.20 207–16 3.6b 15 3-64
IDC VIII 17 15 50 21.6–1.1 2.92N 129.08E 0 4.0,3.8b **¶11908361**
NEIC VIII 17 15 50 26.5–.61 2.89N 129.05E 35 4.3b,3.8b
ISCJB VIII 17 15 50 42.1–1.9 2.8N–.10 129.0E–.20 214–16 3.6b,3.8b
DJA VIII 17 15 50 47 2.72N 128.53E 209 4.4,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=47.4km s-min=17.7km az=72.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=9.5km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=33.3km s-min=13.0km az=157.0.
DJA VIII 20 16 22 46 0.47N 127.31E 10 4.0
¶12922344

ISC VIII 21 00 25 03.1–1.5 1.16N–.03 128.15E–.05 22–11 4.5b,3.5s 71 1-125
IDC VIII 21 00 25 00.0–.66 1.22N 128.01E 0 4.4,4.3 **¶11653018**
ISCJB VIII 21 00 25 02.7–1.5 1.16N–.03 128.11E–.05 33–11 4.5b,3.5s
NEIC VIII 21 00 25 04.8–.26 1.22N 128.05E 35 4.4b,3.5s
BJI VIII 21 00 25 05.2 1.58N 128.25E 19 5.0b,4.8s
DJA VIII 21 00 25 06 0.82N 127.85E 2 4.6,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=13.6km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.6km az=167.7.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.4km az=65.0.
IDC VIII 26 13 29 59.8–5.3 2.86N 129.83E 0 3.4,3.3
¶12581437

IDC Error ellipse: s-maj=401.6km s-min=25.9km az=70.0.
ISC VIII 26 23 08 42.7–1.3 1.16N–.05 127.05E–.06 16–9 3.9b 21 0-83
IDC VIII 26 23 08 40.9–2.8 1.01N 126.53E 0 3.5,3.4s **¶11908886**
NEIC VIII 26 23 08 41.7–.41 1.14N 126.97E 10 4.3b,3.4s
ISCJB VIII 26 23 08 42.3–1.2 1.20N–.06 127.09E–.06 26–9 3.9b,3.4s
DJA VIII 26 23 08 42 1.09N 126.99E 7 3.8,3.4s
ISC Event type fe.
IDC Error ellipse: s-maj=290.2km s-min=27.8km az=66.0.
NEIC Event type fe. Error ellipse: s-maj=13.9km s-min=8.3km az=86.0. Felt [II] on Ternate, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=11.4km s-min=8.2km az=138.3.
IDC VIII 27 16 13 56.1–2.4 1.19S 129.47E 0 3.7,3.6b
¶12581469

IDC Error ellipse: s-maj=74.5km s-min=32.1km az=93.0.
IDC VIII 29 04 32 22.9–2.7 2.07N 129.50E 0 3.9,3.8b
¶12581526

IDC Error ellipse: s-maj=219.2km s-min=23.0km az=68.0.
IDC VIII 29 05 36 31.9–15 1.46N 128.20E 0 4.0,3.9
¶12581532

IDC Error ellipse: s-maj=244.5km s-min=166.1km az=156.0.
ISC VIII 29 06 09 38.4–3.1 1.04S–.06 127.1E–.20 27–26 3.8b 11 1-66
IDC VIII 29 06 09 34.2–1.4 0.94S 127.46E 0 3.8,3.7b **¶12581535**
DJA VIII 29 06 09 37 0.97S 126.98E 30 3.9,3.7b
ISCJB VIII 29 06 09 38.2–1.2 1.03S–.06 127.1E–.20 43–14 3.8b,3.7b
ISC VIII 31 00 33 45.9–.72 1.2S–.10 127.3E–.20 35 4.6b 12 20-65
IDC VIII 31 00 33 40.8–1.1 1.20S 127.06E 0 4.0b,4.0 **¶12581584**
ISCJB VIII 31 00 33 43.9–.73 1.2S–.10 127.3E–.20 33 4.6b,4.0
ISC VIII 31 07 14 31.3–.86 1.67N–.08 127.3E–.10 116–7 3.8b 14 1-64
IDC VIII 31 07 14 17.8–1.1 1.89N 127.55E 0 4.0,3.9L **¶12581593**
DJA VIII 31 07 14 28 1.56N 127.21E 130 3.7,3.9L
ISCJB VIII 31 07 14 30.1–.86 1.67N–.08 127.3E–.10 123–7 3.8b,3.9L
IDC VIII 31 20 55 32.4–1.7 1.73N 127.10E 0 3.6,3.5
¶12581607

IDC Error ellipse: s-maj=114.4km s-min=20.4km az=70.0.
IDC IX 03 00 17 37.5–2.2 0.75N 127.01E 0 3.5,3.3
¶11909333

IDC Error ellipse: s-maj=190.8km s-min=25.4km az=66.0.
ISC IX 03 15 48 03.3–1.1 1.80N–.08 127.26E–.09 122–9 3.9b 26 1-59
IDC IX 03 15 47 49.4–1.6 1.95N 127.40E 0 4.3L,4.2 **¶11909383**
NEIC IX 03 15 47 54.6–.80 1.90N 127.33E 35 4.3L,4.2
ISCJB IX 03 15 48 01.5–1.2 1.89N–.08 127.3E–.10 122–10 3.9b,4.2
DJA IX 03 15 48 08 1.49N 127.07E 81 4.7,4.2
ISC Event type se.
IDC Error ellipse: s-maj=96.2km s-min=22.0km az=68.0.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=8.6km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=10.4km az=148.6.
IDC IX 03 16 25 50.1–2.1 0.96N 127.25E 0 3.3,3.2
¶11909385

IDC Error ellipse: s-maj=179.4km s-min=24.8km az=66.0.
ISC IX 04 13 06 30.7–.30 0.28N–.02 127.37E–.03 125–2 4.8b 157 0-94
BJI IX 04 13 06 22.3 0.61S 127.87E 139 5.0b,4.8b **¶11232466**
ISCJB IX 04 13 06 29.7–.31 0.30N–.02 127.37E–.03 132–3 4.7b,4.8b
IDC IX 04 13 06 31.7–1.5 0.24N 127.36E 141–13 4.3b,4.3
NEIC IX 04 13 06 31.6–.97 0.28N 127.39E 139–10 4.8b,4.3
DJA IX 04 13 06 32 0.20N 127.17E 103 5.3b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.4km az=168.1.
IDC Error ellipse: s-maj=15.7km s-min=6.6km az=79.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.1km az=74.0.
IDC IX 07 05 08 31.4–1.6 2.35N 128.42E 0 3.9,3.8
¶11909687

IDC Error ellipse: s-maj=88.3km s-min=21.9km az=69.0.
ISC IX 08 03 16 09.2–.58 2.69N–.03 128.68E–.05 226–5 4.6b 119 2-164
BJI IX 08 03 15 58.0 1.82N 129.02E 200 4.9b,4.5b **¶11909778**

ISCJB IX 08 03 16 08.1–.59 2.70N–.03 128.68E–.05 230–5 4.6b,4.5b
IDC IX 08 03 16 09.0–1.3 2.67N 128.60E 223–11 4.2,4.2
NEIC IX 08 03 16 09.2–.72 2.68N 128.63E 226–7 4.6b,4.2
DJA IX 08 03 16 10 2.74N 128.49E 216 4.9b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.0km az=170.7.
IDC Error ellipse: s-maj=14.1km s-min=7.0km az=79.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.1km az=75.0.
NEIC IX 10 14 22 12.8–.62 2.78N 128.74E 250 3.9b
IDC IX 10 14 22 10.4–8.6 2.77N 128.73E 220–97 3.2,3.1 **¶11909959**
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=10.2km az=75.0.
IDC Error ellipse: s-maj=31.3km s-min=15.9km az=75.0.
ISC IX 11 00 00 02.7–.10 1.89N–.01 127.45E–.02 97 6.3b 916 1-166
SZGRF IX 10 23 59 30.4 0.53N 128.38E 100 6.3b **¶12952001**
BJI IX 10 23 59 57.5 1.52N 127.69E 94 6.8b,6.3b
ISCJB IX 11 00 00 00.9–.10 1.89N–.01 127.47E–.02 95 6.3b,6.3b
MOS IX 11 00 00 02.9–.92 1.90N 127.40E 115 7.3s,6.3b
NEIC IX 11 00 00 02.7–.09 1.89N 127.36E 96 6.6W,6.5W
IDC IX 11 00 00 04.4–.41 1.92N 127.44E 114–3 5.8s,5.8
DJA IX 11 00 00 05 1.95N 127.41E 114 7.0W,5.8
GCMT IX 11 00 00 06.8–.10 1.91N 127.34E 120–0 6.6W,5.8
ISC Event type fe.
SZGRF Halmahera, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=0.1.
MOS Error ellipse: s-maj=7.2km s-min=4.4km az=116.4. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s344.00000°,δ43.00000°,λ22.00000°. NP2: ϕ_s237.00000°,δ75.00000°,λ131.00000°. Principal axes: T Plg44.0000°,Azm188.0000° ; N Plg39.0000°,Azm45.0000°; P Plg20.0000°,Azm298.0000°
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=3.3km az=58.0. Felt [V] at Galela and Loloda. Felt [IV] at Bitung and on Ternate; [III] at Gorontalo and Manado, Sulawesi. Felt [III PIVS] at Davao and Tagum; [II PIVS] at General Santos and Zamboanga, Philippines. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s230.00000°,δ75.00000°,λ90.00000°. NP2:ϕ_s50.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000°,Azm140.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000° ,Azm320.0000° Moment Tensor Solution. s88 Moment tensor: Scale 10^{18}Nm; M_{rr}3.24 $M_{\theta\theta}$1.46 $M_{\phi\phi}$-4.70 $M_{r\theta}$-5.38 $M_{\theta\phi}$-1.30 $M_{\phi r}$-4.10 Best double couple: NP1:ϕ_s342.00000° ,δ26.00000°,λ29.00000°. NP2:ϕ_s225.00000°,δ77.00000°,λ113.00000°. Principal axes: T 8.2500,Plg51.0000°,Azm162.0000°; N -0.4100,Plg22.0000°,Azm39.0000° ; P -7.8400,Plg28.0000°,Azm296.0000° M_o8.10000×10^{18}
IDC Error ellipse: s-maj=11.6km s-min=6.0km az=69.0.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Surface waves: sta=117, comp=265, per= 50. Moment Tensor Solution. s120,c299; s90,c167; Moment tensor: Scale 10^{18}Nm; M_{rr}2.87±.07 $M_{\theta\theta}$2.50±.07; $M_{\phi\phi}$-5.37±.08; $M_{r\theta}$-6.98±.05; $M_{\theta\phi}$-1.66±.08; $M_{\phi r}$-4.03±.06; Best double couple: NP1:ϕ_s338.00000°,δ29.00000°,λ20.00000°. NP2:ϕ_s231.00000°,δ81.00000°,λ117.00000°. Principal axes: T 9.8800,Plg47.0000° ,Azm170.0000°; N -0.9200,Plg27.0000°,Azm46.0000°; P -8.9600,Plg30.0000° ,Azm299.0000° M_o9.40000×10^{18}
IDC IX 11 06 27 11.5–1.9 1.75N 127.25E 0 3.8,3.7b
¶11910034
IDC Error ellipse: s-maj=105.2km s-min=26.2km az=68.0.
IDC IX 11 07 07 18.0–1.6 1.99N 127.53E 0 4.0,3.9
¶11910035
IDC Error ellipse: s-maj=92.6km s-min=22.0km az=68.0.
ISC IX 11 16 19 09.7–1.5 1.9N–.10 127.43E–.09 122–10 4.1b 13 1-59
IDC IX 11 16 18 56.9–1.3 1.81N 127.09E 0 4.3,4.2b **¶11910050**
ISCJB IX 11 16 19 08.8–1.5 1.9N–.10 127.41E–.08 130–9 4.0b,4.2b
DJA IX 11 16 19 09 1.99N 127.40E 107 4.0,4.2b
IDC Error ellipse: s-maj=52.7km s-min=15.5km az=82.0.
ISCJB Error ellipse: s-maj=22.3km s-min=11.4km az=24.3.
IDC IX 11 16 38 28.4–2.3 1.88N 127.47E 0 3.3,3.2
¶11910053
IDC Error ellipse: s-maj=164.5km s-min=27.9km az=67.0.
ISC IX 11 17 30 50.4–1.1 1.88N–.05 127.55E–.10 104–11 4.4b 42 3-92
BJI IX 11 17 30 47.2 2.42N 127.88E 55 4.9b,4.9b **¶11910058**
NEIC IX 11 17 30 48.7–3.0 1.88N 127.46E 88–30 4.3b,4.9b
ISCJB IX 11 17 30 49.3–1.2 1.91N–.05 127.5E–.10 110–11 4.4b,4.9b
IDC IX 11 17 30 52.2–3.0 1.83N 127.40E 120–28 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=9.8km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=6.5km az=164.4.
IDC Error ellipse: s-maj=29.6km s-min=11.1km az=74.0.
DJA IX 11 21 49 43 1.81N 127.25E 117 4.0
¶12922580
IDC IX 12 03 32 08.3–1.7 1.91N 127.33E 0 4.2b,4.2
¶11910087
IDC Error ellipse: s-maj=103.7km s-min=22.2km az=68.0.
ISC IX 12 07 47 35.5–1.3 1.6N–.10 127.3E–.20 219–11 3.9b 12 1-87
IDC IX 12 07 47 32.0–9.8 1.68N 127.27E 182–94 3.7,3.6b **¶11910096**
ISCJB IX 12 07 47 34.6–1.2 1.6N–.10 127.2E–.10 226–10 3.9b,3.6b
DJA IX 12 07 47 46 0.66N 126.17E 10 5.6b,3.6b
IDC Error ellipse: s-maj=70.0km s-min=19.6km az=62.0.
ISCJB Error ellipse: s-maj=23.2km s-min=20.5km az=174.5.
ISC IX 12 17 51 10.5–1.7 1.8N–.20 127.4E–.10 125–13 3.5b 14 1-60
IDC IX 12 17 50 56.4–1.9 1.83N 127.24E 0 3.7,3.6b **¶11910114**
ISCJB IX 12 17 51 09.4–1.7 1.8N–.20 127.4E–.10 133–13 3.5b,3.6b
DJA IX 12 17 51 13 1.57N 127.31E 95 4.0,3.6b
IDC Error ellipse: s-maj=101.9km s-min=26.1km az=68.0.
ISCJB Error ellipse: s-maj=27.4km s-min=14.3km az=25.7.
ISC IX 12 21 14 55.2–2.5 0.97S–.05 127.10E–.07 33–19 3.9b 30 2-78
IDC IX 12 21 14 50.1–.76 0.98S 126.98E 0 4.0,3.9b **¶11910133**
ISCJB IX 12 21 14 54.4–.86 0.99S–.05 127.02E–.07 43–9 3.9b,3.9b
DJA IX 12 21 14 55 1.08S 127.01E 25 4.3,3.9b
NEIC IX 12 21 14 55.3–.63 1.03S 127.13E 35 4.0b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=70.5km s-min=11.0km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.1km az=160.7.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=10.3km az=75.0.
ISC IX 14 02 50 44.2–1.1 2.0N–.20 127.5E–.50 35 4.2b 9 20-64
IDC IX 14 02 50 39.6–1.6 1.82N 127.16E 0 4.3,4.2 **¶11910228**
NEIC IX 14 02 50 44.1–.79 1.95N 127.52E 35 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=101.3km s-min=20.9km az=68.0.
NEIC Event type se. Error ellipse: s-maj=55.6km s-min=9.4km az=69.0.
ISC IX 15 13 10 57.1–.76 0.77N–.08 127.03E–.06 43–10 3.5b 13 0-60
DJA IX 15 13 10 52 0.86N 127.22E 75 3.9 **¶11910331**
IDC IX 15 13 10 52.4–1.9 0.38N 126.30E 0 3.8,3.6
ISCJB IX 15 13 10 55.9–.80 0.78N–.09 127.02E–.06 52–8 3.5b,3.6
ISC IX 16 12 23 53.9–2.0 1.8N–.20 127.4E–.20 121–11 3.8b 11 1-60
IDC IX 16 12 23 39.5–1.8 2.06N 127.71E 0 4.0,3.8b **¶11910399**
ISCJB IX 16 12 23 52.7–2.0 1.8N–.20 127.4E–.20 127–11 3.8b,3.8b
DJA IX 16 12 23 53 1.91N 127.48E 104 3.7,3.8b
IDC Error ellipse: s-maj=93.1km s-min=24.7km az=69.0.
ISCJB Error ellipse: s-maj=36.6km s-min=17.2km az=41.0.
IDC IX 19 23 08 09.6–1.9 2.15N 128.44E 0 4.5s,4.5
¶11910666
IDC Error ellipse: s-maj=143.8km s-min=23.5km az=66.0.
IDC IX 20 01 44 26.2–14 1.47S 127.20E 0 4.0,3.8L
¶11910678
IDC Error ellipse: s-maj=223.8km s-min=145.3km az=146.0.
ISC IX 20 18 36 13.6–2.1 0.36N–.05 127.85E–.08 21–14 4.2b 47 1-90
IDC IX 20 18 36 10.4–.69 0.33N 127.65E 0 4.3,4.1b **¶11910718**
DJA IX 20 18 36 13 0.37N 127.81E 11 4.8b,4.1b
BJI IX 20 18 36 17.9 0.30N 127.70E 53 4.7b,4.1b
NEIC IX 20 18 36 17.3–2.5 0.29N 127.72E 54–23 4.3b,4.1b
ISC Event type fe.
IDC Error ellipse: s-maj=31.2km s-min=14.1km az=84.0.
NEIC Event type fe. Error ellipse: s-maj=20.1km s-min=7.9km az=63.0. Felt [IV] on Halmahera.
ISC IX 21 16 22 17.4–1.3 1.3N–.10 127.36E–.10 158–9 3.8b 21 1-60
IDC IX 21 16 21 59.1–1.6 1.75N 127.93E 0 4.1,4.0 **¶11910772**
NEIC IX 21 16 22 04.0–1.1 1.76N 128.02E 35 4.1,4.0
ISCJB IX 21 16 22 16.3–1.3 1.4N–.10 127.36E–.10 164–9 3.8b,4.0
DJA IX 21 16 22 19 1.34N 127.26E 128 4.8,4.0
ISC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=23.2km az=68.0.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=13.1km az=222.0.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=12.6km az=31.7.
ISC IX 22 01 57 42.2–.94 1.85N–.07 127.10E–.09 127–7 4.0b 13 1-59
IDC IX 22 01 57 28.0–1.7 2.06N 127.66E 0 4.2,4.0b **¶11910801**
ISCJB IX 22 01 57 41.2–.91 1.84N–.07 127.08E–.09 133–7 3.9b,4.0b
DJA IX 22 01 57 53 0.94N 128.10E 30 3.9,4.0b
IDC Error ellipse: s-maj=90.8km s-min=22.8km az=68.0.
ISCJB Error ellipse: s-maj=16.4km s-min=8.8km az=146.2.
IDC IX 22 17 05 43.1–2.3 0.98S 128.06E 0 3.3L,3.3
¶11910842
IDC Error ellipse: s-maj=175.3km s-min=27.2km az=67.0.
ISC IX 23 16 41 57.8–.71 0.31S–.06 127.23E–.06 91–7 3.9b 20 1-71
ISCJB IX 23 16 41 56.7–.72 0.30S–.06 127.22E–.06 100–7 3.9b **¶11910892**
DJA IX 23 16 41 57 0.34S 127.22E 80 4.1
IDC IX 23 16 41 58.2–3.2 0.29S 127.24E 92–28 3.5,3.5
NEIC IX 23 16 41 59.1–4.1 0.32S 127.16E 103–41 4.1b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=9.5km az=26.8.
IDC Error ellipse: s-maj=41.2km s-min=18.7km az=71.0.
NEIC Event type se. Error ellipse: s-maj=41.7km s-min=11.1km az=55.0.
ISC IX 26 08 39 52.0–5.6 1.81N–.09 127.4E–.20 19–37 3.8b 9 1-60
IDC IX 26 08 39 50.6–2.1 1.40N 126.94E 0 4.0,3.8b **¶11911078**
DJA IX 26 08 39 53 1.78N 127.36E 56 4.0,3.8b
IDC Error ellipse: s-maj=178.8km s-min=25.3km az=66.0.
ISC IX 29 10 52 38.8–2.5 1.9N–.20 128.2E–.20 131–21 3.8b 10 1-60
ISCJB IX 29 10 52 37.5–2.4 2.0N–.20 128.2E–.20 136–21 3.8b **¶11911332**
IDC IX 29 10 52 38.6–8.9 1.97N 128.41E 131–85 3.7,3.6b
DJA IX 29 10 52 54 1.12N 127.28E 46 3.1,3.6b
ISCJB Error ellipse: s-maj=40.8km s-min=16.3km az=143.5.
IDC Error ellipse: s-maj=110.1km s-min=17.2km az=69.0.
ISC IX 29 20 21 09.5–1.7 1.2N–.10 127.17E–.09 35 4.0b 14 3-60
DJA IX 29 20 21 07 1.22N 127.27E 30 4.4b **¶11911389**
IDC IX 29 20 21 07.3–1.8 0.93N 126.98E 0 4.1,3.9b
ISCJB IX 29 20 21 08.7–1.3 1.11N–.09 127.11E–.08 33 4.0b,3.9b
IDC IX 30 03 42 09.7–2.1 2.22N 128.12E 0 3.8,3.6b
¶11911431
IDC Error ellipse: s-maj=124.0km s-min=23.7km az=70.0.
ISC X 01 06 47 17.2–.66 2.82N–.09 129.2E–.30 44 4.0b 22 6-92
ISCJB X 01 06 47 15.2–.66 2.83N–.09 129.2E–.30 42 4.0b **¶11911535**
NEIC X 01 06 47 16.3–.45 2.84N 129.21E 35 4.5b
IDC X 01 06 47 16.9–.85 2.79N 129.20E 42–7 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.1km s-min=9.9km az=166.1.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=6.8km az=77.0.
IDC Error ellipse: s-maj=45.5km s-min=13.7km az=79.0.
IDC X 02 05 32 08.0–2.7 2.24N 128.14E 0 4.0,3.9
¶11911688
IDC Error ellipse: s-maj=256.8km s-min=23.3km az=66.0.
DJA X 05 11 47 59 1.10S 127.70E 6 4.1
¶12922738
DJA X 05 13 50 58 1.21N 127.11E 54 3.5
¶12922740
ISC X 06 07 47 30.9–.89 1.66N–.07 127.33E–.07 137–8 4.0b 21 1-36
ISCJB X 06 07 47 30.1–.88 1.66N–.07 127.31E–.07 142–8 4.0b **¶12066104**
DJA X 06 07 47 31 1.66N 127.30E 118 4.6b
IDC X 06 07 47 46.0–16 0.50N 127.65E 188–64 3.6b,3.6
ISCJB Error ellipse: s-maj=14.1km s-min=8.1km az=140.1.
IDC Error ellipse: s-maj=172.2km s-min=85.1km az=164.0.
ISC X 07 18 08 15.3–1.4 2.63N–.07 128.45E–.10 83–13 4.1b 52 2-94
ISCJB X 07 18 08 14.9–1.5 2.63N–.06 128.37E–.09 95–14 4.1b **¶12066274**
IDC X 07 18 08 14.9–.92 2.67N 128.45E 76–7 3.9,3.8
DJA X 07 18 08 14 2.59N 128.59E 45 4.7b,3.8
NEIC X 07 18 08 15.9–1.7 2.65N 128.45E 91–17 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=8.6km az=154.7.
IDC Error ellipse: s-maj=26.5km s-min=11.7km az=78.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.7km az=60.0.
ISC X 10 18 21 39.2–.34 1.82N–.02 127.42E–.03 107–3 4.9b 314 1-159
MOS X 10 18 21 30.9–.92 1.89N 127.38E 46 5.1b **¶11344608**
ISCJB X 10 18 21 38.1–.37 1.84N–.02 127.41E–.03 114–3 4.9b
NEIC X 10 18 21 38.8–.71 1.80N 127.40E 108–6 4.9b
IDC X 10 18 21 39.1–1.3 1.78N 127.38E 111–10 4.4,4.4
DJA X 10 18 21 42.9–.30 2N–3.0 127E–2.0 94–4 5.5b,5.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 10 23 23 06.8–.78 1.76N–.05 127.34E–.07 122–6 4.2b 47 1-124
ISCJB X 10 23 23 05.9–.76 1.77N–.05 127.31E–.06 130–6 4.2b **¶12066549**
NEIC X 10 23 23 05.9–2.5 1.74N 127.41E 115–22 4.4b
IDC X 10 23 23 05.7–5.2 1.76N 127.31E 113–46 4.1b,4.1
DJA X 10 23 23 09 1.86N 127.27E 58 4.4,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=6.5km az=155.3.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=7.5km az=62.0.
IDC Error ellipse: s-maj=39.8km s-min=13.9km az=65.0.
ISC X 11 13 00 47.7–.72 0.57S–.08 127.5E–.20 123–6 3.7b 11 0-66
IDC X 11 13 00 33.6–1.8 0.35S 127.50E 0 4.1,3.9 **¶12066588**
ISCJB X 11 13 00 46.5–.73 0.56S–.08 127.5E–.20 130–6 3.7b,3.9
DJA X 11 13 00 52 0.43S 127.58E 85 3.8,3.9
IDC Error ellipse: s-maj=153.7km s-min=22.3km az=67.0.
ISCJB Error ellipse: s-maj=34.6km s-min=10.6km az=166.4.
ISC X 15 18 10 56.4–.92 1.33N–.08 128.95E–.07 60–13 3.5b 17 2-61
IDC X 15 18 10 49.2–1.1 1.35N 128.37E 0 3.6,3.5b **¶12068699**
DJA X 15 18 10 53 1.33N 128.92E 11 4.0,3.5b
ISCJB X 15 18 10 54.8–.95 1.36N–.08 128.93E–.06 65–13 3.5b,3.5b
ISC X 16 18 28 55.3–.59 1.80N–.04 127.43E–.04 120–5 4.4b 61 1-124
IDC X 16 18 28 40.9–.62 1.88N 127.33E 0 4.6,4.5 **¶12068815**
ISCJB X 16 18 28 53.9–.57 1.86N–.04 127.41E–.04 123–5 4.4b,4.5
NEIC X 16 18 28 53.5–2.1 1.83N 127.47E 105–19 4.3b,4.5
DJA X 16 18 28 59 1.53N 127.30E 110 5.0b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=14.3km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=6.5km az=149.4.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=8.0km az=67.0.
IDC X 19 12 16 35.0–11 2.43N 128.75E 310–135 3.2,3.0b
¶12069041
IDC Error ellipse: s-maj=43.0km s-min=17.7km az=71.0.
ISC X 21 13 49 05.0–1.3 2.8N–.20 129.0E–.50 35 3.8b 14 21-64
IDC X 21 13 48 59.8–1.5 2.88N 128.85E 0 4.0,3.8b **¶12070735**
NEIC X 21 13 49 05.0–.92 2.80N 129.03E 35 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=98.0km s-min=18.0km az=71.0.
NEIC Event type se. Error ellipse: s-maj=55.3km s-min=10.7km az=71.0.
ISC X 23 14 07 36.1–1.0 1.92N–.08 127.35E–.08 124–8 4.1b 17 1-59
IDC X 23 14 07 22.6–1.7 2.01N 127.60E 0 4.2,4.1 **¶12070895**
ISCJB X 23 14 07 35.1–1.0 1.92N–.07 127.34E–.08 130–7 4.0b,4.1
DJA X 23 14 07 37 1.91N 127.29E 107 3.9,4.1
IDC Error ellipse: s-maj=98.2km s-min=23.5km az=68.0.
ISCJB Error ellipse: s-maj=15.9km s-min=7.8km az=136.3.
ISC X 24 17 30 34.9–.77 2.6N–.10 128.8E–.20 200 3.9b 22 19-69
NEIC X 24 17 30 17.5–.53 2.93N 129.27E 35 4.3b **¶12071008**
ISCJB X 24 17 30 33.2–.78 2.6N–.10 128.8E–.20 200 3.9b
IDC X 24 17 30 38.4–2.7 2.42N 128.55E 230–22 3.7,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=6.7km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=28.1km s-min=9.8km az=153.5.
IDC Error ellipse: s-maj=45.9km s-min=10.4km az=65.0.

IDC X 25 15 55 49.8–2.0 2.18N 128.02E 0 3.6,3.4
¶12071083

IDC Error ellipse: s-maj=135.2km s-min=24.6km az=67.0.
ISC X 25 22 15 09.5–.47 1.45N–.03 127.73E–.07 207–4 4.2b 72 1-92
ISCJB X 25 22 15 08.7–.49 1.45N–.04 127.73E–.07 217–4 4.2b **¶12071107**
NEIC X 25 22 15 09.0–.88 1.46N 127.78E 206–9 4.3b
IDC X 25 22 15 10.6–.78 1.46N 127.76E 219–7 3.8,3.8
DJA X 25 22 15 21 0.76N 127.09E 108 4.7,3.8
MAN X 25 22 16 11 6.05N 126.27E 115 4.7b,3.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.5km az=171.2.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.2km az=72.0.
IDC Error ellipse: s-maj=20.4km s-min=7.6km az=79.0.
IDC X 31 00 45 45.3–2.3 1.01N 127.43E 0 3.5,3.3
¶12071697

IDC Error ellipse: s-maj=175.4km s-min=27.8km az=66.0.
ISC X 31 09 28 24.3–4.9 2.68N–.09 128.5E–.20 48–48 4.0b,2.7s 32 12-125
IDC X 31 09 28 17.7–.60 2.69N 128.52E 0 4.2,4.1 **¶12071718**
NEIC X 31 09 28 23.0–.37 2.70N 128.47E 35 4.1b,4.1
DJA X 31 09 28 24 3.01N 128.49E 90 4.3,4.1
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=12.9km az=81.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=7.3km az=78.0.
ISC XI 01 10 12 55.1–3.9 2.73N–.08 128.5E–.20 68–40 4.0b 25 16-82
IDC XI 01 10 12 46.6–.74 2.77N 128.51E 0 4.1,4.0 **¶12071839**
ISCJB XI 01 10 12 52.7–4.7 2.76N–.09 128.5E–.20 62–46 4.0b,4.0
NEIC XI 01 10 12 54.9–2.8 2.75N 128.56E 69–28 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=42.2km s-min=13.8km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=33.9km s-min=12.8km az=168.2.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=8.4km az=75.0.
IDC XI 01 19 04 17.8–1.6 1.73N 127.15E 0 3.8,3.6b
¶12071890

IDC Error ellipse: s-maj=162.5km s-min=19.4km az=66.0.
ISC XI 03 21 36 27.9–.46 0.78S–.03 127.04E–.04 65–5 4.0b 65 2-79
ISCJB XI 03 21 36 26.6–.48 0.79S–.03 127.01E–.04 72–6 4.0b **¶12072174**
NEIC XI 03 21 36 26.4–1.2 0.77S 127.07E 52–11 4.1b
IDC XI 03 21 36 27.7–2.3 0.80S 126.98E 63–18 4.0,3.9
DJA XI 03 21 36 28 0.78S 127.07E 53 4.9,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.4km az=153.7.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=5.3km az=58.0.
IDC Error ellipse: s-maj=36.0km s-min=10.8km az=69.0.
IDC XI 03 23 56 59.0–11 2.59N 128.53E 243–108 3.3,3.1s
¶12072191

IDC Error ellipse: s-maj=88.9km s-min=18.9km az=58.0.
ISC XI 04 14 48 48.3–3.6 2.1N–.10 128.0E–.10 244–39 4.0b 47 15-125
ISCJB XI 04 14 48 47.1–3.5 2.1N–.10 128.0E–.10 249–37 4.0b **¶12072255**
IDC XI 04 14 48 49.8–4.1 2.06N 128.01E 258–41 3.7,3.6b
NEIC XI 04 14 48 49.2–2.5 2.04N 128.01E 254–26 4.5b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=12.5km az=147.3.
IDC Error ellipse: s-maj=26.0km s-min=10.6km az=67.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=6.7km az=57.0.
IDC XI 05 18 24 04.5–2.0 2.71N 128.41E 0 3.6,3.5
¶12072448

IDC Error ellipse: s-maj=134.8km s-min=25.4km az=67.0.
IDC XI 06 13 04 50.9–2.1 0.14S 127.15E 0 3.4,3.2b
¶12072533

IDC Error ellipse: s-maj=147.0km s-min=27.7km az=66.0.
IDC XI 08 21 30 36.9–2.0 0.40S 127.71E 0 3.5,3.4b
¶12072866

IDC Error ellipse: s-maj=187.6km s-min=23.2km az=67.0.
DJA XI 09 06 51 58 0.53N 129.25E 22 3.6
¶12922992

IDC XI 09 07 01 32.0–1.8 0.36N 128.49E 0 4.2,4.0b
¶12072929

IDC Error ellipse: s-maj=115.1km s-min=25.7km az=66.0.
ISC XI 10 18 47 12.9–.42 1.79N–.02 127.31E–.04 115–3 4.8b 199 1-159
BJI XI 10 18 47 08.0 1.36N 127.65E 122 5.1b,4.9b **¶11415185**
MOS XI 10 18 47 12.9–.89 1.77N 127.23E 133 4.8b,4.9b
ISCJB XI 10 18 47 12.3–.46 1.81N–.03 127.27E–.04 125–4 4.8b,4.9b
IDC XI 10 18 47 12.3–1.6 1.74N 127.22E 112–13 4.4,4.3
DJA XI 10 18 47 12 2.00N 127.43E 109 4.7b,4.3
NEIC XI 10 18 47 12.2–.79 1.76N 127.32E 112–7 5.0b,4.3
MAN XI 10 18 47 45 4.14N 125.90E 15 5.0b,4.0s
ISC Event type se.
MOS Error ellipse: s-maj=15.6km s-min=7.4km az=112.8.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.0km az=168.4.
IDC Error ellipse: s-maj=19.3km s-min=8.5km az=77.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.0km az=75.0.
IDC XI 11 01 58 33.8–2.1 1.29N 127.51E 0 3.6,3.5b
¶12073130

IDC Error ellipse: s-maj=164.9km s-min=26.6km az=66.0.
ISC XI 12 21 14 34.7–1.2 2.69N–.06 128.6E–.10 228–11 3.9b 39 2-92
DJA XI 12 21 14 31 4.86N 126.61E 291 4.6 **¶12073348**
ISCJB XI 12 21 14 33.7–1.2 2.71N–.06 128.6E–.10 236–11 3.9b
IDC XI 12 21 14 33.5–6.3 2.70N 128.69E 219–68 3.7,3.5b
NEIC XI 12 21 14 40.0–2.3 2.67N 128.71E 291–25 4.0b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=9.1km az=162.4.
IDC Error ellipse: s-maj=28.8km s-min=12.2km az=76.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=8.3km az=72.0.
ISC XI 14 03 08 19.4–1.6 1.62N–.08 128.4E–.10 89–15 4.3b 44 1-125
IDC XI 14 03 08 08.7–.76 1.68N 128.28E 0 4.4,4.3b **¶12073483**
NEIC XI 14 03 08 18.0–2.4 1.64N 128.37E 77–22 4.5b,4.3b
ISCJB XI 14 03 08 18.7–1.5 1.62N–.07 128.3E–.10 100–14 4.3b,4.3b
DJA XI 14 03 08 27 1.21N 127.89E 37 4.9b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=14.0km az=77.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=7.7km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=9.4km az=157.3.
ISC XI 16 02 52 31.7–.96 1.12N–.10 127.40E–.08 162–5 4.0b 19 0-35
IDC XI 16 02 52 03.5–8.4 2.36N 126.93E 0 4.2,4.1 **¶12073697**
NEIC XI 16 02 52 07.0–1.2 2.49N 127.04E 35 4.4b,4.1
ISCJB XI 16 02 52 30.9–.95 1.11N–.10 127.39E–.08 165–5 4.0b,4.1
DJA XI 16 02 52 33 1.12N 127.33E 142 4.1,4.1
ISC Event type se.
IDC Error ellipse: s-maj=135.1km s-min=100.8km az=139.0.
NEIC Event type se. Error ellipse: s-maj=67.8km s-min=17.9km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=9.1km az=35.9.
IDC XI 19 00 47 48.1–1.8 1.82N 129.30E 0 3.5,3.4s
¶12074083

IDC Error ellipse: s-maj=143.7km s-min=27.5km az=72.0.
IDC XI 20 05 57 02.1–2.2 1.02S 127.76E 0 3.4,3.3b
¶12074236

IDC Error ellipse: s-maj=173.4km s-min=27.3km az=67.0.
ISC XI 20 18 33 21.5–1.3 2.3N–.10 128.5E–.10 236–10 3.4b 14 2-60
IDC XI 20 18 32 56.5–1.7 2.56N 128.82E 0 3.8,3.6b **¶12074296**
ISCJB XI 20 18 33 20.4–1.3 2.4N–.10 128.5E–.10 243–10 3.4b,3.6b
DJA XI 20 18 33 22 2.44N 128.46E 213 3.8b,3.6b
IDC Error ellipse: s-maj=91.3km s-min=22.5km az=70.0.
ISCJB Error ellipse: s-maj=23.9km s-min=13.5km az=40.4.
ISC XI 21 05 14 37.4–.89 2.51N–.06 128.61E–.07 232–9 4.0b 51 2-159
ISCJB XI 21 05 14 36.6–.85 2.52N–.06 128.60E–.07 240–8 4.0b **¶12074371**
IDC XI 21 05 14 36.6–3.1 2.51N 128.51E 225–31 3.8,3.7b
NEIC XI 21 05 14 38.0–1.7 2.52N 128.63E 241–17 4.3b,3.7b
DJA XI 21 05 14 42 2.49N 128.34E 210 4.4b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.9km az=155.6.
IDC Error ellipse: s-maj=26.4km s-min=9.0km az=83.0.

NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.1km az=71.0.
ISC XI 22 12 58 26.4–2.2 1.4N–.20 127.5E–.50 118–14 3.6b 8 1-60
IDC XI 22 12 58 13.8–1.9 1.43N 127.26E 0 3.9,3.7L **¶12074498**
DJA XI 22 12 58 34 0.81N 126.79E 10 3.5,3.7L
IDC Error ellipse: s-maj=111.7km s-min=22.7km az=69.0.
NEIC XI 24 07 23 48.8–.98 1.98N 127.52E 35 4.1b
IDC XI 24 07 23 43.9–1.6 1.94N 127.34E 0 4.0,3.9b **¶12074658**
NEIC Event type se. Error ellipse: s-maj=64.1km s-min=11.4km az=70.0.
IDC Error ellipse: s-maj=114.2km s-min=18.9km az=70.0.
ISC XI 25 10 34 02.8–1.6 1.45N–.08 128.26E–.10 42–16 4.4b 54 1-93
IDC XI 25 10 33 57.0–.70 1.50N 128.14E 0 4.3,4.2 **¶12074774**
ISCJB XI 25 10 34 01.2–1.6 1.44N–.07 128.17E–.09 44–15 4.4b,4.2
NEIC XI 25 10 34 01.9–.43 1.44N 128.18E 35 4.6b,4.2
DJA XI 25 10 34 10 0.78N 127.79E 4 4.3,4.2
ISC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=13.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=8.6km az=145.4.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=7.5km az=74.0.
ISC XI 27 01 42 03.6–1.0 1.86N–.06 128.18E–.08 131–9 4.5b 61 1-125
ISCJB XI 27 01 42 02.5–1.0 1.88N–.06 128.17E–.08 136–9 4.5b **¶11479738**
IDC XI 27 01 42 02.9–6.2 1.86N 128.15E 129–57 4.1b,4.1
NEIC XI 27 01 42 06.0–3.4 1.78N 128.13E 160–33 4.4b,4.1
DJA XI 27 01 42 06 1.84N 128.01E 109 4.7b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=6.2km az=144.8.
IDC Error ellipse: s-maj=50.2km s-min=13.6km az=66.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=9.0km az=64.0.
ISC XI 27 06 26 06.8–.77 1.06S–.06 127.2E–.10 48–11 3.5b 10 1-62
IDC XI 27 06 26 01.0–1.8 1.18S 127.02E 0 3.5b,3.5 **¶12075003**
DJA XI 27 06 26 04 1.18S 127.05E 10 3.5,3.5
ISCJB XI 27 06 26 05.6–.79 1.04S–.06 127.2E–.10 58–10 3.5b,3.5
IDC XI 27 11 38 30.1–9.8 1.48N 127.45E 104–94 3.6b,3.6
¶12075025

IDC Error ellipse: s-maj=118.2km s-min=18.5km az=67.0.
ISC XI 28 21 25 36.4–.68 2.72N–.08 129.2E–.20 35 3.9b 20 21-85
IDC XI 28 21 25 31.2–.97 2.73N 129.12E 0 4.0,3.8b **¶12075187**
ISCJB XI 28 21 25 34.3–.68 2.72N–.09 129.1E–.20 33 3.9b,3.8b
NEIC XI 28 21 25 36.3–.49 2.73N 129.21E 35 3.9b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=65.1km s-min=16.9km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=30.2km s-min=11.8km az=169.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=8.4km az=79.0.
ISC XI 29 18 36 16.4–1.0 1.72N–.07 127.22E–.07 113–10 3.7b 34 1-64
IDC XI 29 18 36 03.6–.87 1.82N 127.29E 0 3.8,3.7L **¶12075276**
NEIC XI 29 18 36 08.6–.66 1.87N 127.63E 35 4.0b,3.7L
ISCJB XI 29 18 36 16.0–.86 1.71N–.07 127.16E–.06 128–7 3.7b,3.7L
DJA XI 29 18 36 17 1.90N 127.08E 92 3.9,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=56.5km s-min=15.5km az=76.0.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=11.3km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.1km az=32.9.
ISC XI 29 23 00 57.1–.82 1.34N–.05 128.69E–.04 40–11 4.0b 32 1-65
IDC XI 29 23 00 51.3–.95 1.41N 128.71E 0 4.1,4.0 **¶12075287**
ISCJB XI 29 23 00 55.5–.86 1.34N–.05 128.68E–.04 46–11 4.0b,4.0
DJA XI 29 23 00 56 1.32N 128.66E 36 4.4,4.0
IDC Error ellipse: s-maj=70.4km s-min=17.0km az=73.0.
ISCJB Error ellipse: s-maj=9.1km s-min=5.8km az=28.9.
ISC XI 29 23 10 16.6–2.2 1.36N–.04 128.68E–.05 30–17 4.2b,3.3s 52 1-125
IDC XI 29 23 10 11.5–.77 1.38N 128.76E 0 4.2,4.0 **¶12075288**
ISCJB XI 29 23 10 13.7–2.1 1.38N–.04 128.68E–.05 25–16 4.2b,3.3s
DJA XI 29 23 10 15 1.22N 128.63E 6 4.5,3.3s
NEIC XI 29 23 10 16.9–.33 1.34N 128.65E 35 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=14.7km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.4km az=155.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.0km az=81.0.
ISC XI 30 00 21 28.6–.63 2.44N–.04 128.52E–.06 232–5 4.4b 75 2-125
ISCJB XI 30 00 21 27.2–.65 2.50N–.04 128.58E–.06 236–5 4.4b **¶12075293**
NEIC XI 30 00 21 27.9–1.3 2.49N 128.69E 234–12 4.3b
IDC XI 30 00 21 29.8–1.5 2.26N 127.80E 241–15 4.0,3.9b
DJA XI 30 00 21 29 2.54N 128.49E 219 4.3b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.4km az=154.6.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=6.3km az=70.0.
IDC Error ellipse: s-maj=27.4km s-min=8.5km az=75.0.
IDC XII 01 02 03 34.3–14 1.56N 127.52E 149–141 3.7,3.6b
¶12075379

IDC Error ellipse: s-maj=120.5km s-min=25.8km az=67.0.
IDC XII 01 14 28 22.3–1.5 1.25N 127.65E 0 3.7,3.6b
¶12075420

IDC Error ellipse: s-maj=133.9km s-min=19.5km az=68.0.
ISC XII 01 15 27 02.6–1.4 1.7N–.10 127.42E–.10 122–11 3.7b 27 1-64
IDC XII 01 15 26 49.2–1.4 1.65N 126.94E 0 3.9,3.8b **¶12075425**
NEIC XII 01 15 26 53.3–.82 1.97N 127.77E 35 4.0b,3.8b
ISCJB XII 01 15 27 01.6–1.5 1.8N–.10 127.39E–.10 130–12 3.7b,3.8b
DJA XII 01 15 27 11 1.17N 126.97E 24 3.8,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=100.8km s-min=18.4km az=68.0.
NEIC Event type se. Error ellipse: s-maj=53.5km s-min=10.1km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=11.3km az=37.9.
IDC XII 01 22 01 06.3–2.0 1.74N 127.02E 0 3.8,3.7
¶12075459

IDC Error ellipse: s-maj=178.5km s-min=25.0km az=65.0.
ISC XII 02 09 04 27.4–1.0 1.90N–.05 127.19E–.07 68–9 4.4b 55 1-87
NEIC XII 02 09 04 23.9–.39 1.97N 127.29E 35 4.5b **¶12075485**
IDC XII 02 09 04 25.8–2.7 1.92N 127.19E 52–24 4.1,4.1L
ISCJB XII 02 09 04 26.9–1.0 1.89N–.05 127.11E–.07 82–9 4.4b,4.1L
DJA XII 02 09 04 33 1.15N 126.74E 10 4.2,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.8km az=79.0.
IDC Error ellipse: s-maj=27.4km s-min=9.8km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=8.2km az=160.0.
ISC XII 02 13 18 13.8–.55 2.56N–.03 128.43E–.05 213–5 4.4b 151 2-125
BJI XII 02 13 18 02.7 1.76N 129.28E 200 4.7b,4.5b **¶12075505**
ISCJB XII 02 13 18 12.6–.53 2.62N–.03 128.49E–.04 218–4 4.4b,4.5b
IDC XII 02 13 18 13.8–1.3 2.57N 128.53E 218–12 4.0,3.9b
NEIC XII 02 13 18 13.6–.96 2.62N 128.62E 217–9 4.7b,3.9b
MOS XII 02 13 18 15.8–.86 2.57N 128.53E 254 4.5b,3.9b
DJA XII 02 13 18 17 2.47N 128.25E 218 4.8,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=168.4.
IDC Error ellipse: s-maj=21.4km s-min=7.4km az=74.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=4.7km az=65.0.
MOS Error ellipse: s-maj=21.0km s-min=8.4km az=116.0.
ISC XII 03 00 45 00.7–1.8 2.27N–.07 128.6E–.10 58–15 4.3b 52 2-74
IDC XII 03 00 44 53.1–.96 2.37N 128.55E 0 4.0,3.8b **¶12075569**
ISCJB XII 03 00 44 59.6–1.9 2.28N–.07 128.6E–.10 65–15 4.2b,3.8b
NEIC XII 03 00 45 03.4–4.3 2.30N 128.67E 91–44 3.9b,3.8b
DJA XII 03 00 45 10 0.95N 125.99E 20 3.7,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=62.3km s-min=16.4km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=6.8km az=154.3.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.5km az=66.0.
ISC XII 04 21 40 15.7–1.3 1.7N–.10 127.29E–.07 134–7 3.7b 27 1-60
NEIC XII 04 21 40 05.0–1.2 2.00N 127.94E 35 3.7b **¶12075795**
ISCJB XII 04 21 40 14.5–1.3 1.8N–.10 127.29E–.07 138–7 3.7b
IDC XII 04 21 40 16.1–13 1.63N 127.31E 135–127 4.6L,3.6
DJA XII 04 21 40 17 1.78N 127.18E 106 4.1,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=17.7km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=9.0km az=18.0.

IDC Error ellipse: s-maj=115.7km s-min=19.3km az=58.0.
ISC XII 05 16 56 14.5–1.1 0.0N–.10 127.3E–.20 35 3.4b 12 9-66
IDC XII 05 16 56 10.2–1.8 0.04N 127.42E 0 3.6L,3.4 ¶12075902
ISCJB XII 05 16 56 12.1–1.1 0.1N–.10 127.3E–.20 33 3.4b,3.4
NEIC XII 05 16 56 14.5–1.1 0.01N 127.23E 35 3.6b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=25.4km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=15.3km az=155.9.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=14.6km az=65.0.
ISC XII 07 00 53 30.5–.78 1.92S–.06 127.74E–.09 85–10 3.5b 12 1-63
ISCJB XII 07 00 53 30.0–.75 1.91S–.06 127.73E–.09 81–10 3.5b ¶12076090
DJA XII 07 00 53 30 1.90S 127.76E 24 3.5
IDC XII 07 00 53 32.9–5.2 2.13S 128.16E 75–50 3.6L,3.5
ISCJB Error ellipse: s-maj=15.8km s-min=8.5km az=160.6.
IDC Error ellipse: s-maj=129.4km s-min=13.7km az=69.0.
ISC XII 07 07 13 49.3–.89 0.11N–.09 127.56E–.08 190–6 3.4b 12 1-61
IDC XII 07 07 13 29.5–1.9 0.14S 126.50E 0 3.7,3.5 ¶12076130
ISCJB XII 07 07 13 48.2–.90 0.14N–.10 127.57E–.08 195–6 3.4b,3.5
DJA XII 07 07 13 52 0.01N 127.39E 158 3.5,3.5
IDC Error ellipse: s-maj=170.2km s-min=25.6km az=65.0.
ISCJB Error ellipse: s-maj=17.2km s-min=11.2km az=34.2.
DJA XII 09 09 56 13 1.24N 128.00E 11 3.6
¶12923348
ISC XII 09 12 41 14.1–1.4 1.5N–.10 127.19E–.09 78–11 3.4b 13 1-64
IDC XII 09 12 41 05.3–1.8 1.19N 126.70E 0 3.6,3.5b ¶12076540
ISCJB XII 09 12 41 12.5–1.3 1.5N–.10 127.17E–.08 81–11 3.4b,3.5b
DJA XII 09 12 41 13 1.54N 127.12E 45 3.8,3.5b
IDC Error ellipse: s-maj=172.1km s-min=22.2km az=66.0.
ISCJB Error ellipse: s-maj=21.4km s-min=10.0km az=28.5.
IDC XII 09 16 27 30.6–2.1 1.22S 127.73E 0 3.2,3.0L
¶12076570
IDC Error ellipse: s-maj=177.8km s-min=25.5km az=67.0.
ISC XII 09 16 48 44.9–.82 0.88N–.05 127.67E–.06 67–8 4.2b 63 0-93
IDC XII 09 16 48 36.0–.73 1.04N 127.89E 0 4.3,4.2b ¶12076573
NEIC XII 09 16 48 41.1–.38 1.01N 127.91E 35 4.4b,4.2b
ISCJB XII 09 16 48 42.9–.88 0.88N–.05 127.66E–.05 66–8 4.2b,4.2b
DJA XII 09 16 48 42 0.76N 127.62E 5 4.5,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=32.4km s-min=12.9km az=80.0.
NEIC Event type fe. Error ellipse: s-maj=13.6km s-min=6.2km az=74.0. Felt [II] on Pulau Ternate.
ISCJB Event type fe. Error ellipse: s-maj=9.8km s-min=6.7km az=144.1.
ISC XII 09 18 00 41.8–4.3 2.70N–.08 128.6E–.10 267–47 4.0b 55 21-125
IDC XII 09 18 00 39.6–4.9 2.72N 128.55E 242–52 3.6,3.5b ¶12076582
ISCJB XII 09 18 00 41.8–4.2 2.71N–.08 128.6E–.10 285–47 4.0b,3.5b
NEIC XII 09 18 00 41.0–2.6 2.71N 128.56E 260–28 4.2b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=11.3km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=20.2km s-min=11.0km az=158.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=6.6km az=67.0.
ISC XII 10 10 47 58.7–1.1 1.3N–.10 127.34E–.10 35 3.9b 19 1-50
IDC XII 10 10 47 53.6–1.4 1.12N 126.58E 0 4.0,3.8b ¶12076724
NEIC XII 10 10 47 55.0–.81 1.20N 126.91E 10 4.2b,3.8b
ISCJB XII 10 10 47 56.4–1.1 1.3N–.10 127.36E–.10 33 3.9b,3.8b
DJA XII 10 10 48 00 1.55N 127.16E 57 4.3,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=108.5km s-min=22.6km az=74.0.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=12.3km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=11.3km az=27.0.
IDC XII 10 15 19 55.7–15 1.19N 127.08E 0 4.3,4.1b
¶12076761
IDC Error ellipse: s-maj=240.4km s-min=102.4km az=152.0.
IDC XII 10 16 02 28.2–1.9 1.82N 128.17E 0 3.7,3.5b
¶12076767
IDC Error ellipse: s-maj=104.6km s-min=22.8km az=71.0.
IDC XII 11 02 50 23.6–2.2 1.39N 127.16E 0 3.8,3.6
¶12076836
IDC Error ellipse: s-maj=177.7km s-min=25.3km az=66.0.
ISC XII 14 15 52 34.8–5.2 2.7N–.10 128.8E–.10 202–54 3.9b 36 19-92
ISCJB XII 14 15 52 34.7–5.4 2.7N–.10 128.8E–.10 218–56 3.9b ¶12077468
IDC XII 14 15 52 35.5–7.6 2.70N 128.79E 210–79 3.5,3.4b
NEIC XII 14 15 52 36.3–4.2 2.69N 128.73E 219–43 3.9b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=11.6km az=146.2.
IDC Error ellipse: s-maj=40.6km s-min=13.2km az=63.0.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=6.9km az=58.0.
IDC XII 15 09 46 34.5–1.7 1.97N 128.13E 0 3.5,3.5
¶12077575
IDC Error ellipse: s-maj=158.6km s-min=21.6km az=66.0.
ISC XII 15 18 06 07.3–.79 2.9N–.10 128.9E–.20 200 3.8b 42 21-92
ISCJB XII 15 18 06 05.6–.80 2.9N–.10 129.0E–.20 200 3.8b ¶12077637
IDC XII 15 18 06 06.8–14 2.88N 128.95E 194–140 3.5,3.4
NEIC XII 15 18 06 07.3–.53 2.85N 128.88E 200 4.2b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.1km s-min=9.6km az=154.2.
IDC Error ellipse: s-maj=77.3km s-min=16.1km az=58.0.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=6.7km az=65.0.
ISC XII 16 02 48 31.6–.67 2.88N–.04 128.23E–.05 145–6 4.5b 154 2-125
MOS XII 16 02 48 29.7–.85 2.89N 128.20E 147 4.6b ¶12077701
BJI XII 16 02 48 29.9 3.00N 128.20E 131 5.0b,4.7b
ISCJB XII 16 02 48 31.0–.69 2.87N–.04 128.21E–.05 156–7 4.5b,4.7b
IDC XII 16 02 48 31.2–2.0 2.84N 128.17E 144–17 4.2,4.1b
NEIC XII 16 02 48 33.2–1.8 2.82N 128.30E 166–17 4.7b,4.1b
DJA XII 16 02 48 34.1–.70 3N–6.0 128E–4.0 111–7 5.2b,5.1
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XII 19 04 04 03.2–.31 2.94N–.04 128.45E–.04 63 4.4b 68 2-148
ISCJB XII 19 04 04 01.2–.31 2.96N–.04 128.45E–.04 61 4.3b ¶11513603
DJA XII 19 04 04 01 3.11N 128.52E 30 5.0b
IDC XII 19 04 04 03.0–.57 2.90N 128.33E 60–5 4.1,4.0
NEIC XII 19 04 04 02.8–.21 2.90N 128.35E 61 4.5b,4.0
BJI XII 19 04 04 05.0 2.80N 128.20E 89 5.1s,5.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.1km az=8.9.
IDC Error ellipse: s-maj=25.3km s-min=9.9km az=77.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.4km az=80.0.
DJA XII 20 11 48 09 1.02N 127.71E 29 3.9
¶12923455
ISC XII 20 20 33 04.9–2.3 1.24N–.10 127.0E–.20 90–23 4.0b 31 12-82
IDC XII 20 20 32 54.5–.85 1.30N 127.10E 0 4.1,3.9b ¶12078382
NEIC XII 20 20 33 05.0–1.9 1.23N 127.03E 92–19 4.1b,3.9b
ISCJB XII 20 20 33 05.3–3.3 1.27N–.10 127.0E–.20 109–32 4.0b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 21 20 58 31.0–1.6 1.8N–.10 127.4E–.10 127–14 4.2b 12 1-64
IDC XII 21 20 58 16.2–1.2 2.07N 127.73E 0 4.4,4.2b ¶12078493
ISCJB XII 21 20 58 29.7–1.6 1.9N–.10 127.4E–.10 133–14 4.1b,4.2b
DJA XII 21 20 58 33 1.81N 127.26E 83 3.8,4.2b
IDC Error ellipse: s-maj=120.3km s-min=16.6km az=68.0.
ISCJB Error ellipse: s-maj=31.6km s-min=13.5km az=44.8.
ISC XII 23 17 51 47.7–.34 2.43N–.02 128.78E–.02 66–3 5.3b 524 2-166
MOS XII 23 17 51 42.4–.90 2.50N 128.63E 33 5.6b,4.3s ¶11518370
BJI XII 23 17 51 44.9 2.24N 128.98E 77 5.3b,5.3b
IDC XII 23 17 51 44.5–1.6 2.45N 128.61E 37–12 5.1,5.1b
ISCJB XII 23 17 51 45.4–.41 2.44N–.02 128.79E–.02 61–3 5.5b,5.1b
GCMT XII 23 17 51 46.2–.20 2.59N 128.72E 27–0 5.2W,5.1b
NEIC XII 23 17 51 48.2–.77 2.41N 128.68E 72–7 5.5b,5.1b
DJA XII 23 17 51 48 2.34N 128.72E 49 5.3W,5.1b
ISC Event type se.
MOS Error ellipse: s-maj=8.6km s-min=4.7km az=112.3.

IDC Error ellipse: s-maj=11.9km s-min=7.7km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.0km az=157.5.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s49,c66; s72,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.63±.24 $M_{\theta\theta}$-1.27±.17; $M_{\phi\phi}$6.90±.18; $M_{r\theta}$1.75±.38; $M_{\theta\phi}$-1.91±.14; $M_{\theta\theta}$3.18±.34; Best double couple: NP1:ϕ_s324.00000°,δ38.00000°,λ-127.00000°. NP2:ϕ_s189.00000°,δ60.00000°,λ-64.00000°. Principal axes: T 7.9000,Plg12.0000° ,Azm260.0000°; N -0.7100,Plg22.0000°,Azm355.0000°; P -7.1900,Plg65.0000° ,Azm144.0000° M_o7.50000×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.4km az=64.0.
ISC XII 24 23 15 37.2–.50 1.55N–.04 128.27E–.08 35 4.7b 49 1-78
IDC XII 24 23 15 32.5–1.2 1.50N 127.82E 0 4.1b,4.1 ¶12078868
ISCJB XII 24 23 15 34.9–.50 1.60N–.04 128.33E–.08 33 4.7b,4.1
NEIC XII 24 23 15 36.6–.39 1.68N 128.48E 35 4.3b,4.1
DJA XII 24 23 15 42 1.33N 127.43E 36 4.0,4.1
ISC Event type se.
IDC Error ellipse: s-maj=150.8km s-min=19.6km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.6km az=0.6.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=4.8km az=66.0.

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ISC VII 07 21 06 52.9–4.7 2.16S–.05 120.6E–.10 2–30 3.7b 19 3-77
ISCJB VII 07 21 06 51.1–4.2 2.12S–.05 120.6E–.10 4–27 3.7b ¶11810929
IDC VII 07 21 06 52.7–1.1 2.17S 120.56E 0 3.9L,3.9
NEIC VII 07 21 06 55.8–2.7 2.22S 120.52E 23–20 3.9b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=8.4km az=171.2.
IDC Error ellipse: s-maj=45.9km s-min=17.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=5.8km az=68.0.
DJA VII 14 05 58 46 1.20S 124.00E 40 3.6
¶12921887
DJA VII 19 11 15 30 2.91S 122.48E 23 3.9
¶12921954
DJA VII 21 00 23 32 4.16S 121.47E 30 4.6
¶12921973
DJA VII 28 08 42 21 5.89S 122.09E 14 3.9
¶12922074
DJA VII 28 11 14 11 2.05S 120.48E 20 3.7
¶12922079
DJA VII 30 04 02 54 4.09S 121.51E 29 3.6
¶12922127
DJA VIII 04 14 07 29 1.45S 123.38E 10 3.8
¶12922186
ISC VIII 18 05 32 13.3–.63 3.80S–.08 118.05E–.05 65–8 3.7b 23 2-117
IDC VIII 18 05 32 05.4–1.3 3.86S 117.64E 0 3.9,3.8b ¶11908385
NEIC VIII 18 05 32 11.1–.78 3.50S 118.10E 35 4.1b,3.8b
ISCJB VIII 18 05 32 12.4–.62 3.82S–.08 118.06E–.05 80–8 3.7b,3.8b
DJA VIII 18 05 32 12 3.84S 118.05E 34 4.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=118.2km s-min=20.4km az=58.0.
NEIC Event type se. Error ellipse: s-maj=68.5km s-min=11.6km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=6.9km az=19.7.
DJA VIII 22 14 19 05 4.37S 122.74E 20 3.7
¶12922366
ISC VIII 23 13 46 56.1–.94 2.44S–.07 121.72E–.07 35 7 2-2
DJA VIII 23 13 46 50 2.50S 121.80E 120 3.9 ¶12922377
ISCJB VIII 23 13 46 55.2–.94 2.46S–.06 121.68E–.07 33 3.9
IDC VIII 25 17 14 29.1–7.0 1.73S 122.03E 0 6.0L,4.7
¶12581395
IDC Error ellipse: s-maj=203.5km s-min=34.2km az=92.0.
DJA IX 01 04 44 47 2.09S 120.55E 10 3.8
¶12922480
DJA IX 14 05 12 50 1.33S 121.82E 4 3.7
¶12922598
ISC IX 17 14 45 54.3–2.0 3.86S–.05 123.86E–.04 33–17 3.9b,3.7s 31 1-76
IDC IX 17 14 45 49.5–.93 3.90S 123.86E 0 4.1,3.9 ¶11910481
ISCJB IX 17 14 45 52.7–.69 3.82S–.05 123.88E–.04 40–9 3.9b,3.7s
DJA IX 17 14 45 53 3.62S 123.80E 19 4.2,3.7s
NEIC IX 17 14 45 53.6–3.7 3.90S 123.87E 29–28 4.4b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=16.3km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=7.1km az=16.4.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=8.4km az=53.0.
DJA IX 22 06 40 22 2.41S 122.72E 60 3.8
¶12922655
DJA IX 23 06 00 55 1.40S 121.22E 8 3.7
¶12922658
DJA IX 25 13 53 48 1.57S 122.18E 23 4.0
¶12922673
ISC IX 27 19 59 38.9–.68 1.86S–.04 121.34E–.07 46–7 4.2b 36 1-88
IDC IX 27 19 59 32.8–.86 1.72S 121.48E 0 4.1,4.0 ¶11911225
ISCJB IX 27 19 59 37.8–.64 1.86S–.04 121.28E–.07 54–7 4.2b,4.0
DJA IX 27 19 59 38 1.78S 121.21E 20 4.5,4.0
NEIC IX 27 19 59 39.3–4.0 1.83S 121.42E 52–39 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=45.8km s-min=15.3km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.3km az=3.5.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=7.3km az=73.0.
ISC IX 30 19 13 27.0–1.4 2.50S–.04 121.54E–.04 2–10 3.5b 29 1-60
IDC IX 30 19 13 26.0–1.2 2.38S 121.67E 0 4.0,3.8 ¶11911482
DJA IX 30 19 13 29 2.49S 121.54E 18 4.2,3.8
NEIC IX 30 19 13 32.3–1.8 2.43S 121.65E 50–20 3.7b,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=65.5km s-min=17.4km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=40.5km s-min=9.7km az=56.0. Felt [II] at Poso.
DJA IX 30 22 31 17 1.11S 120.19E 12 4.0
¶12922707
DJA X 01 02 25 00 2.43S 121.43E 104 3.5
¶12922709
DJA X 02 13 54 40 2.39S 121.38E 37 3.8
¶12922721
DJA X 15 01 15 56 1.89S 120.86E 9 3.5
¶12922819
DJA X 20 03 00 45 2.12S 122.85E 166 3.9
¶12922848
DJA XI 06 04 11 18 2.25S 118.13E 30 4.0
¶12922973
ISC XI 07 10 35 48.0–.67 1.73S–.05 121.26E–.06 46–9 4.0b 36 1-63
IDC XI 07 10 35 41.9–.90 1.26S 122.09E 0 4.0,3.9b ¶12072662
ISCJB XI 07 10 35 46.9–.67 1.74S–.05 121.27E–.06 53–9 4.0b,3.9b
NEIC XI 07 10 35 46.6–.74 1.70S 121.22E 35 4.2b,3.9b
DJA XI 07 10 35 46 1.97S 121.36E 10 4.6,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=16.0km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=6.8km az=39.1.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=11.7km az=70.0.
DJA XI 10 11 29 47 1.95S 122.94E 128 3.6
¶12922999
DJA XI 11 08 47 07 2.53S 121.74E 30 3.9
¶12923005
ISC XI 18 06 51 47.4–2.0 2.16S–.06 119.62E–.09 2–13 3.7b 16 1-63
ISCJB XI 18 06 51 46.0–2.3 2.13S–.06 119.64E–.09 3–16 3.7b ¶12073973
IDC XI 18 06 51 47.2–1.5 2.05S 120.06E 0 3.8,3.7b
DJA XI 18 06 51 48 2.16S 119.63E 10 4.1,3.7b
ISCJB Error ellipse: s-maj=16.0km s-min=7.7km az=25.5.
IDC Error ellipse: s-maj=173.3km s-min=19.9km az=61.0.
ISC XI 21 09 14 13.6–.74 2.91S–.06 119.50E–.10 35 3.5b 16 0-59
IDC XI 21 09 14 08.9–1.2 2.91S 119.54E 0 3.7,3.6 ¶12074385
DJA XI 21 09 14 09 2.85S 119.52E 10 3.9,3.6
ISCJB XI 21 09 14 11.7–.73 2.86S–.05 119.49E–.09 33 3.5b,3.6
ISC XI 21 11 36 47.1–1.3 2.20S–.04 119.59E–.05 10–8 4.2b,2.9s 42 1-72
IDC XI 21 11 36 44.9–.81 2.16S 119.78E 0 4.3,4.2 ¶12074392

ISCJB XI 21 11 36 45.9–2.1 2.15S–.03 119.57E–.05 14–14 4.2b,2.9s
DJA XI 21 11 36 48 2.22S 119.55E 14 4.6,2.9s
NEIC XI 21 11 36 50.4–.50 2.23S 119.67E 35 4.2b,2.9s
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=13.9km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.5km az=168.9.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=8.3km az=62.0.
DJA XI 26 17 45 41 1.94S 121.16E 20 3.6
¶12923190

DJA XII 03 04 37 40 1.21S 123.42E 10 3.8
¶12923273

DJA XII 03 21 17 47 1.13S 121.82E 70 3.5
¶12923276

ISC XII 07 08 05 09.5–1.1 2.74S–.05 119.7E–.10 35 3.5b 15 0-59
IDC XII 07 08 05 04.3–1.5 2.80S 119.70E 0 3.7,3.5b ¶12076135
DJA XII 07 08 05 05 2.79S 119.70E 10 3.7,3.5b
ISCJB XII 07 08 05 07.0–1.0 2.72S–.05 119.7E–.10 33 3.5b,3.5b
ISC XII 08 01 01 06.5–.55 3.02S–.05 119.58E–.07 35 3.6b 19 0-59
IDC XII 08 01 01 01.3–1.7 2.99S 119.62E 0 3.7,3.6 ¶12076272
DJA XII 08 01 01 03 2.98S 119.64E 10 4.0,3.6
ISCJB XII 08 01 01 04.6–.54 2.95S–.04 119.62E–.06 33 3.6b,3.6
ISC XII 08 19 20 31.8–.88 4.34S–.03 122.88E–.04 7–6 4.2b 45 0-121
ISCJB XII 08 19 20 30.3–1.1 4.35S–.04 122.91E–.04 9–8 4.2b ¶12076396
IDC XII 08 19 20 30.6–.76 4.38S 122.91E 0 4.1b,4.1
DJA XII 08 19 20 32 4.30S 122.86E 10 4.1,4.1
NEIC XII 08 19 20 35.6–.50 4.52S 122.83E 35 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=6.8km az=14.2.
IDC Error ellipse: s-maj=28.6km s-min=15.2km az=52.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=9.0km az=55.0.
DJA XII 18 23 01 03 2.19S 118.47E 20 3.5
¶12923447

DJA XII 19 05 57 41 1.38S 121.17E 15 3.7
¶12923451

DJA XII 22 09 35 41 1.52S 120.54E 98 3.9
¶12923474

ISC XII 30 01 54 38.0–.74 1.07S–.06 119.73E–.07 81–13 3.1b 19 2-58
IDC XII 30 01 54 33.9–1.6 1.28S 120.38E 0 3.5,3.4 ¶12079475
ISCJB XII 30 01 54 36.9–.74 1.06S–.06 119.73E–.07 85–14 3.1b,3.4
DJA XII 30 01 54 37 1.11S 119.74E 105 3.9,3.4
IDC Error ellipse: s-maj=74.3km s-min=25.2km az=65.0.
ISCJB Error ellipse: s-maj=12.8km s-min=8.4km az=40.6.

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ISC VII 02 11 20 11.1–.67 0.30S–.09 125.48E–.05 58–13 3.4b 15 2-60
IDC VII 02 11 20 03.3–1.7 0.11S 125.69E 0 3.7,3.6 ¶12697940
ISCJB VII 02 11 20 10.0–.68 0.34S–.09 125.45E–.05 67–13 3.4b,3.6
DJA VII 02 11 20 12 0.10N 125.62E 52 4.0,3.6
IDC Error ellipse: s-maj=52.9km s-min=26.7km az=65.0.
ISCJB Error ellipse: s-maj=15.3km s-min=8.2km az=7.2.
ISC VII 02 22 54 20.9–1.5 1.43S–.07 126.9E–.10 44–13 3.8b 21 8-98
IDC VII 02 22 54 15.1–1.3 1.39S 126.89E 0 3.7,3.6L ¶11799311
ISCJB VII 02 22 54 18.6–1.9 1.39S–.07 126.9E–.10 39–17 3.8b,3.6L
NEIC VII 02 22 54 21.4–1.0 1.42S 126.87E 49–9 4.2b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=205.0km s-min=17.9km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=10.7km az=160.8.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=6.4km az=70.0.
DJA VII 04 12 34 24 0.30S 124.58E 105 3.9
¶12921764

DJA VII 05 17 52 38 0.15S 125.10E 30 3.8
¶12921777

IDC VII 16 06 42 58.6–1.7 1.18S 124.28E 0 3.4,3.3
¶12698243

IDC Error ellipse: s-maj=184.0km s-min=26.5km az=62.0.
DJA VII 21 06 45 46 1.67S 124.08E 14 4.0
¶12921976

ISC VIII 14 05 05 43.3–.40 0.16S–.03 124.79E–.03 66–5 4.1b 41 1-122
IDC VIII 14 05 05 34.8–.72 0.22S 124.37E 0 4.2,4.1b ¶11908194
ISCJB VIII 14 05 05 41.8–.41 0.17S–.03 124.77E–.03 70–5 4.1b,4.1b
NEIC VIII 14 05 05 42.8–2.4 0.17S 124.79E 64–24 4.6b,4.1b
DJA VIII 14 05 05 42 0.11S 124.87E 23 4.3,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=14.3km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=5.0km az=27.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=10.9km az=51.0.
ISC VIII 20 00 06 39.6–.64 0.99S–.05 126.81E–.05 45–9 4.2b 30 2-124
IDC VIII 20 00 06 33.3–.90 0.98S 126.90E 0 4.3,4.2 ¶11908467
ISCJB VIII 20 00 06 37.9–.71 1.02S–.05 126.78E–.05 48–10 4.2b,4.2
NEIC VIII 20 00 06 38.6–.66 1.21S 126.60E 35 3.6b,4.2
DJA VIII 20 00 06 38 0.93S 126.81E 21 4.7,4.2
ISC Event type se.
IDC Error ellipse: s-maj=77.2km s-min=16.6km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=8.0km az=174.1.
NEIC Event type se. Error ellipse: s-maj=30.7km s-min=10.7km az=66.0.
DJA IX 02 03 23 49 0.31S 126.10E 20 3.5
¶12922494

ISC IX 04 08 07 51.9–.56 0.16S–.04 124.32E–.05 44–9 4.2b 29 1-59
IDC IX 04 08 07 46.1–.99 0.24S 124.20E 0 4.3,4.1 ¶11909446
ISCJB IX 04 08 07 50.7–.56 0.19S–.04 124.30E–.05 51–8 4.2b,4.1
DJA IX 04 08 07 51 0.01N 124.36E 52 4.7,4.1
NEIC IX 04 08 07 52.7–1.8 0.22S 124.33E 53–19 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=54.3km s-min=18.1km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.9km az=162.5.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=7.9km az=50.0.
DJA IX 09 02 36 23 0.53S 125.03E 11 3.9
¶12922552

ISC IX 10 05 58 32.5–1.1 0.11S–.04 125.44E–.05 18–8 4.2b 29 2-90
IDC IX 10 05 58 29.8–.88 0.14S 125.32E 0 4.2b,4.2 ¶11909938
NEIC IX 10 05 58 31.1–.45 0.08S 125.42E 10 4.3b,4.2
DJA IX 10 05 58 35 0.05S 125.67E 12 4.3,4.2
ISC Event type se.
IDC Error ellipse: s-maj=75.7km s-min=16.0km az=73.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=7.3km az=64.0.
IDC IX 22 07 47 34.7–15 0.26S 124.71E 266–63 3.5b,3.5
¶11910819

IDC Error ellipse: s-maj=172.2km s-min=89.7km az=153.0.
IDC IX 27 07 56 42.5–1.4 1.87S 126.44E 0 3.9,3.8
¶11911178

IDC Error ellipse: s-maj=171.8km s-min=21.3km az=66.0.
ISC IX 29 07 15 18.1–.47 0.29S–.04 125.47E–.04 70–6 4.0b 36 2-125
IDC IX 29 07 15 09.0–.72 0.31S 125.06E 0 4.0,3.9 ¶11911324
DJA IX 29 07 15 14 0.34S 125.41E 11 3.9,3.9
ISCJB IX 29 07 15 17.2–.49 0.30S–.04 125.47E–.04 78–6 4.0b,3.9
NEIC IX 29 07 15 19.4–2.7 0.31S 125.42E 83–26 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=46.9km s-min=16.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=32.2.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=10.4km az=48.0.
ISC X 05 01 34 47.3–.40 0.20S–.04 124.46E–.04 68–4 4.2b 64 1-122
IDC X 05 01 34 44.0–6.5 0.14S 124.40E 33–50 4.0,3.9 ¶12065956
ISCJB X 05 01 34 46.0–.41 0.21S–.04 124.45E–.04 72–4 4.2b,3.9
DJA X 05 01 34 46 0.27S 124.55E 13 4.8,3.9
NEIC X 05 01 34 47.8–2.7 0.24S 124.39E 72–27 4.5b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=13.7km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.1km az=42.9.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.7km az=66.0.
IDC X 08 09 53 02.6–1.2 0.13S 125.79E 0 3.8b,3.8
¶12066325

IDC Error ellipse: s-maj=199.9km s-min=20.8km az=67.0.
DJA X 13 13 06 08 0.10S 124.48E 10 3.6
¶12922802

DJA X 20 12 30 22 0.29S 124.14E 26 3.7
¶12922849

DJA X 22 22 44 41 0.52S 124.45E 13 4.3
¶12922870

ISC X 28 00 04 57.5–1.2 0.87S–.08 124.18E–.07 10–9 3.5b 13 1-64
ISCJB X 28 00 04 55.2–1.3 0.85S–.09 124.17E–.08 8–10 3.5b ¶12071297
IDC X 28 00 04 55.8–1.2 0.67S 124.38E 0 3.6,3.5b
DJA X 28 00 05 13 0.62N 123.95E 88 4.1,3.5b
ISCJB Error ellipse: s-maj=14.4km s-min=13.0km az=169.4.
IDC Error ellipse: s-maj=150.3km s-min=22.5km az=66.0.
DJA XI 05 19 21 33 0.08S 124.66E 16 4.2
¶12922971

ISC XI 14 06 49 06.4–.62 0.26S–.06 125.91E–.06 63–7 3.9b 31 2-123
IDC XI 14 06 48 57.9–.77 0.00N 126.12E 0 4.0,3.8b ¶12073493
NEIC XI 14 06 49 03.0–.54 0.07S 126.08E 35 3.9b,3.8b
ISCJB XI 14 06 49 05.5–.63 0.28S–.06 125.90E–.06 72–7 3.8b,3.8b
DJA XI 14 06 49 05 0.23S 125.89E 91 3.7,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=65.6km s-min=16.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=40.6km s-min=9.7km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.1km az=139.6.
IDC XI 14 13 44 08.2–1.3 0.17S 125.93E 0 3.7,3.5b
¶12073524

IDC Error ellipse: s-maj=131.8km s-min=21.9km az=68.0.
ISC XI 14 15 13 24.6–.54 0.25S–.07 125.8E–.10 35 3.8b 26 2-89
DJA XI 14 15 12 50 0.46N 127.67E 527 3.5 ¶12073533
IDC XI 14 15 13 19.7–.75 0.24S 125.71E 0 3.9,3.8b
ISCJB XI 14 15 13 22.2–.54 0.27S–.07 125.7E–.10 33 3.8b,3.8b
NEIC XI 14 15 13 24.3–.61 0.23S 125.90E 35 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=59.9km s-min=14.9km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=9.1km az=164.4.
NEIC Event type se. Error ellipse: s-maj=43.1km s-min=10.5km az=69.0.
ISC XI 19 15 10 52.6–.46 0.24S–.04 125.09E–.04 66–6 3.8b 49 1-80
IDC XI 19 15 10 44.4–.71 0.21S 124.82E 0 3.9b,3.9 ¶12074153
NEIC XI 19 15 10 49.4–.48 0.16S 125.07E 35 4.2b,3.9
DJA XI 19 15 10 50 0.28S 125.19E 12 4.6,3.9
ISCJB XI 19 15 10 51.3–.48 0.25S–.04 125.08E–.04 71–6 3.8b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 21 18 41 34.8–.58 1.09S–.06 126.75E–.05 51–13 3.2b 18 2-62
IDC XI 21 18 41 27.9–2.1 0.88S 127.37E 0 3.4,3.2 ¶12074427
ISCJB XI 21 18 41 33.4–.61 1.09S–.06 126.73E–.05 58–13 3.2b,3.2
DJA XI 21 18 41 33 1.10S 126.77E 19 3.8,3.2
IDC Error ellipse: s-maj=157.6km s-min=26.8km az=66.0.
ISCJB Error ellipse: s-maj=10.9km s-min=7.1km az=41.3.
IDC XI 24 20 31 10.9–2.3 0.06S 124.98E 0 3.4,3.3
¶12074719

IDC Error ellipse: s-maj=322.0km s-min=25.5km az=64.0.
ISC XII 16 20 13 51.4–.79 0.1S–.30 125.7E–.60 35 3.6b 17 21-74
IDC XII 16 20 13 46.3–1.0 0.15S 125.50E 0 3.6,3.5b ¶12077797
ISCJB XII 16 20 13 49.0–.79 0.1S–.30 125.7E–.60 33 3.6b,3.5b
NEIC XII 16 20 13 49.2–.70 0.09S 125.60E 20 4.2b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=136.9km s-min=17.3km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=95.6km s-min=11.2km az=153.9.
NEIC Event type se. Error ellipse: s-maj=88.8km s-min=10.1km az=64.0.
ISC XII 21 09 37 52.7–.60 1.99S–.04 125.54E–.04 42–10 3.9b 22 2-123
IDC XII 21 09 37 47.0–1.0 1.75S 125.93E 0 4.0,3.9b ¶12078439
ISCJB XII 21 09 37 51.5–.64 1.98S–.04 125.51E–.04 51–10 3.9b,3.9b
DJA XII 21 09 37 51 2.03S 125.64E 116 4.4,3.9b
IDC Error ellipse: s-maj=172.1km s-min=17.8km az=67.0.
ISCJB Error ellipse: s-maj=7.6km s-min=5.9km az=18.2.
DJA XII 21 13 15 36 2.00S 125.57E 12 3.7
¶12923467

ISC XII 23 03 36 41.0–.43 0.47S–.04 124.37E–.04 80–4 4.6b 115 1-126
BJI XII 23 03 36 30.1 1.32S 124.60E 57 5.2b,4.8s ¶11518350
DJA XII 23 03 36 38.0–.20 1S–3.0 124E–2.0 10–0 5.2b,5.1b
IDC XII 23 03 36 38.2–2.5 0.34S 124.26E 49–25 4.3,4.2
ISCJB XII 23 03 36 39.7–.46 0.47S–.03 124.35E–.04 84–5 4.6b,4.2
NEIC XII 23 03 36 42.6–1.4 0.45S 124.34E 95–13 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=12.3km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=159.1.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=6.9km az=65.0.
ISC XII 27 09 58 20.0–.65 0.13S–.05 125.63E–.05 59–7 4.0b 42 2-123
ISCJB XII 27 09 58 19.0–.67 0.16S–.05 125.59E–.05 68–7 4.0b ¶12079158
DJA XII 27 09 58 20 0.14N 125.67E 34 4.3
NEIC XII 27 09 58 20.7–2.9 0.15S 125.56E 67–28 4.1b
IDC XII 27 09 58 21.2–4.5 0.14S 125.48E 69–44 3.9,3.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=7.8km az=135.4.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=9.1km az=60.0.
IDC Error ellipse: s-maj=31.4km s-min=14.8km az=63.0.
IDC XII 27 15 37 53.8–2.0 0.09S 125.55E 0 3.3,3.2
¶12079186

IDC Error ellipse: s-maj=188.6km s-min=27.3km az=64.0.

(270) Ceram Sea.

IDC VII 01 06 52 20.8–1.8 2.86S 128.48E 0 4.1,3.9L
¶12697911

IDC Error ellipse: s-maj=139.4km s-min=23.9km az=68.0.
IDC VII 13 09 58 06.3–.93 2.32S 125.05E 0 4.0,3.9L
¶12698187

IDC Error ellipse: s-maj=88.3km s-min=17.1km az=68.0.
IDC VII 17 12 18 24.8–2.1 2.03S 128.37E 0 4.1,3.9
¶12698270

IDC Error ellipse: s-maj=106.7km s-min=26.3km az=71.0.
DJA VII 17 14 14 12 2.17S 128.20E 131 3.6
¶12921931

IDC VII 21 15 35 10.8–1.8 2.81S 128.16E 0 4.1,3.9L
¶12698368

IDC Error ellipse: s-maj=130.0km s-min=24.6km az=68.0.
ISC VIII 05 10 35 08.3–.41 2.97S–.04 126.87E–.04 42–5 4.0b 46 0-151
IDC VIII 05 10 35 02.1–.73 2.86S 127.16E 0 4.0,3.9b ¶11907786
ISCJB VIII 05 10 35 06.7–.41 2.98S–.04 126.82E–.04 47–5 4.0b,3.9b
DJA VIII 05 10 35 06 2.85S 126.80E 10 4.5,3.9b
NEIC VIII 05 10 35 08.4–1.8 2.94S 127.06E 44–18 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=15.5km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.3km az=43.2.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=8.8km az=53.0.
IDC VIII 18 19 13 30.6–2.0 2.54S 127.09E 0 3.7,3.5
¶12581179

IDC Error ellipse: s-maj=114.7km s-min=25.8km az=69.0.
IDC IX 13 16 41 54.1–1.6 2.69S 128.28E 0 3.8,3.6b
¶11910197

IDC Error ellipse: s-maj=109.4km s-min=21.9km az=73.0.
DJA IX 15 12 05 16 2.30S 127.75E 11 3.5
¶12922606

ISC IX 16 01 12 53.5–.42 2.36S–.02 128.08E–.03 43–4 5.2b,4.6s 333 1-162
BJI IX 16 01 12 45.5 2.97S 128.37E 35 5.3b,5.0b ¶11277585
IDC IX 16 01 12 47.3–.40 2.44S 127.98E 0 5.0L,4.8b
MOS IX 16 01 12 51.0–1.4 2.37S 127.86E 33 5.3b,4.5s
ISCJB IX 16 01 12 51.1–.49 2.35S–.02 128.07E–.03 38–4 5.2b,4.6s
NEIC IX 16 01 12 52.8–.20 2.45S 127.93E 35 5.4b,4.6s
GCMT IX 16 01 12 52.5–.10 2.27S 127.90E 14–0 5.3W,4.6s

DJA IX 16 01 12 53.5–.20 2S–2.0 128E–2.0 25–0 6.1b,5.8
TEH IX 16 01 12 54.0 2.36S 128.03E 43 6.1b,5.8
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=8.5km az=75.0.
MOS Error ellipse: s-maj=11.7km s-min=6.3km az=110.2.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.7km az=165.9.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.9km az=65.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s66,c109; s99,c200; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.02 $M_{\theta\theta}$1.08±.02; $M_{\phi\phi}$-0.67±.02; $M_{r\theta}$0.13±.03; $M_{\theta\phi}$0.32±.02; $M_{\phi r}$-0.27±.04; Best double couple: NP1:ϕ_s39.00000°,δ66.00000°,λ-159.00000°. NP2:ϕ_s300.00000°,δ71.00000°,λ-25.00000°. Principal axes: T 1.1400,Plg3.0000°,Azm350.0000°; N -0.2400,Plg59.0000°,Azm85.0000°; P -0.8900,Plg31.0000°,Azm259.0000° $M_0$1.00000×10^{17}

ISC IX 16 02 31 10.6–1.0 2.42S–.05 127.82E–.10 63–13 3.7b 12 1-63
IDC IX 16 02 31 02.3–1.9 1.99S 128.38E 0 4.0,3.8 ¶11910380
ISCJB IX 16 02 31 10.1–.99 2.41S–.06 127.76E–.09 73–11 3.6b,3.8
DJA IX 16 02 31 12 2.36S 127.66E 50 3.8,3.8
IDC Error ellipse: s-maj=52.1km s-min=26.1km az=66.0.
ISCJB Error ellipse: s-maj=15.4km s-min=9.2km az=177.7.
DJA IX 16 03 32 31 2.34S 127.84E 30 3.5
¶12922613

ISC IX 16 18 52 32.1–1.5 2.41S–.06 128.1E–.10 39–17 3.9b,3.3s 23 1-68
ISCJB IX 16 18 52 30.9–1.6 2.42S–.06 128.0E–.10 48–16 3.9b,3.3s ¶11910420
DJA IX 16 18 52 31 2.33S 127.88E 11 4.4b,3.3s
NEIC IX 16 18 52 31.4–.71 2.34S 128.19E 35 4.2b,3.3s
IDC IX 16 18 52 33.3–7.5 2.45S 128.06E 51–78 4.0,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=10.0km az=171.9.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=10.9km az=73.0.
IDC Error ellipse: s-maj=70.7km s-min=18.5km az=63.0.
DJA IX 17 06 19 23 2.33S 127.80E 30 3.6
¶12922623

IDC IX 30 18 32 55.4–2.1 2.05S 127.85E 0 3.6,3.5L
¶11911478

IDC Error ellipse: s-maj=141.8km s-min=26.7km az=67.0.

ISC X 01 01 16 19.4–.72 2.38S–.05 127.82E–.09 92–10 3.8b 13 1-32
DJA X 01 01 16 18 2.39S 127.82E 92 3.8 ¶11911513
ISCJB X 01 01 16 19.5–.70 2.36S–.05 127.92E–.08 64–11 3.9b
IDC X 01 01 16 28.7–4.3 2.82S 128.30E 86–36 3.7,3.6b
ISCJB Error ellipse: s-maj=13.8km s-min=7.9km az=171.3.
IDC Error ellipse: s-maj=93.3km s-min=27.4km az=73.0.

ISC X 07 19 20 15.3–1.8 2.77S–.06 126.61E–.06 21–16 3.6b 15 1-73
IDC X 07 19 20 12.4–1.2 2.83S 126.82E 0 3.7,3.6b ¶12066281
ISCJB X 07 19 20 15.0–.83 2.77S–.06 126.59E–.05 38–13 3.6b,3.6b
DJA X 07 19 20 16 2.58S 126.52E 27 3.7,3.6b
IDC Error ellipse: s-maj=179.0km s-min=19.0km az=67.0.
ISCJB Error ellipse: s-maj=10.1km s-min=8.3km az=35.5.

IDC X 13 16 34 21.3–10 2.51S 127.07E 0 3.5,3.4b
¶12068561

IDC Error ellipse: s-maj=174.6km s-min=140.3km az=85.0.

ISC X 22 14 20 04.6–.65 2.97S–.06 128.73E–.07 55–10 3.8b 14 1-67
IDC X 22 14 19 58.2–1.8 2.96S 128.64E 0 4.0,3.8 ¶12070801
ISCJB X 22 14 20 03.5–.65 2.94S–.05 128.73E–.07 62–9 3.8b,3.8
DJA X 22 14 20 03 2.87S 128.74E 21 3.9,3.8
IDC Error ellipse: s-maj=140.0km s-min=22.8km az=73.0.
ISCJB Error ellipse: s-maj=11.4km s-min=7.5km az=21.7.

ISC X 23 15 05 05.4–.78 2.30S–.07 127.78E–.06 35 3.6b 21 1-63
DJA X 23 15 05 03 2.15S 127.68E 27 3.8 ¶12070902
ISCJB X 23 15 05 04.4–.79 2.32S–.06 127.85E–.06 33 3.6b
IDC X 23 15 05 05.2–1.6 2.98S 127.66E 0 4.0,3.8
ISCJB Error ellipse: s-maj=9.2km s-min=8.5km az=139.4.
IDC Error ellipse: s-maj=103.8km s-min=13.1km az=68.0.

ISC X 23 15 18 27.2–1.1 2.17S–.07 129.0E–.10 35 3.7b 9 2-32
IDC X 23 15 18 22.6–3.5 2.22S 128.85E 0 3.9,3.8b ¶12070904
ISCJB X 23 15 18 25.5–1.1 2.15S–.08 129.1E–.10 33 3.7b,3.8b
DJA X 23 15 18 30 2.21S 128.03E 27 3.7,3.8b
IDC Error ellipse: s-maj=93.5km s-min=29.6km az=74.0.
ISCJB Error ellipse: s-maj=20.6km s-min=11.1km az=3.1.

IDC X 24 11 18 54.0–21 2.52S 127.82E 436–144 3.1,3.0b
¶12070976

IDC Error ellipse: s-maj=234.3km s-min=105.4km az=171.0.

DJA X 27 17 24 29 2.67S 128.84E 32 3.4
¶12922893

ISC X 28 04 04 29.2–.98 2.75S–.04 127.36E–.05 33–8 3.9b 40 1-151
IDC X 28 04 04 23.8–1.1 2.63S 127.73E 0 4.3L,4.1 ¶12071304
ISCJB X 28 04 04 28.4–.47 2.76S–.03 127.33E–.05 50–6 3.9b,4.1
DJA X 28 04 04 28 2.60S 127.29E 11 4.3,4.1
NEIC X 28 04 04 33.6–2.4 2.88S 127.51E 79–23 4.1b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=84.3km s-min=16.7km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.9km az=158.2.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=12.7km az=61.0.

IDC XI 05 10 25 55.0–9.4 2.70S 128.75E 0 4.1b,3.7
¶12072382

IDC Error ellipse: s-maj=180.2km s-min=128.5km az=88.0.

ISC XI 15 07 31 42.2–1.0 2.28S–.07 128.28E–.09 76–9 3.8b 12 1-68
IDC XI 15 07 31 34.2–1.3 2.50S 127.86E 0 3.9,3.8b ¶12073601
DJA XI 15 07 31 39 2.13S 128.22E 9 3.5,3.8b
ISCJB XI 15 07 31 40.9–.95 2.14S–.06 128.26E–.09 60–10 3.8b,3.8b

IDC XII 26 01 10 18.9–1.2 2.09S 125.28E 0 3.4b,3.4
¶12078977

IDC Error ellipse: s-maj=199.5km s-min=21.3km az=67.0.

ISC XII 27 11 30 38.5–.52 2.90S–.04 128.02E–.05 60–6 4.2b 40 1-68
IDC XII 27 11 30 30.9–1.5 2.64S 128.66E 0 4.3,4.2 ¶12079165
NEIC XII 27 11 30 36.6–.72 2.84S 128.20E 35 4.3b,4.2
DJA XII 27 11 30 36 2.78S 127.94E 11 4.3,4.2
ISCJB XII 27 11 30 37.1–.53 2.87S–.04 128.00E–.05 65–6 4.1b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC XII 27 21 22 32.7–.61 2.86S–.05 128.06E–.08 57–9 3.5b 15 1-68
IDC XII 27 21 22 25.3–1.9 2.79S 128.11E 0 3.8,3.8s ¶12079217
ISCJB XII 27 21 22 31.7–.60 2.87S–.06 128.01E–.08 67–9 3.4b,3.8s
DJA XII 27 21 22 31 2.78S 128.02E 14 3.6,3.8s
IDC Error ellipse: s-maj=175.1km s-min=23.2km az=68.0.
ISCJB Error ellipse: s-maj=14.3km s-min=7.9km az=154.4.

(271) Buru.

ISC VII 16 22 31 40.8–.48 3.10S–.03 126.33E–.03 40–5 4.8b 108 1-156
IDC VII 16 22 31 37.5–.64 3.09S 126.30E 17–4 5.0L,4.3b ¶11126462
ISCJB VII 16 22 31 38.7–.58 3.08S–.03 126.31E–.04 39–5 4.8b,4.3b
DJA VII 16 22 31 40 2.86S 126.29E 17 4.7,4.3b
BJI VII 16 22 31 42.0 2.35S 126.81E 27 5.0b,4.6b
NEIC VII 16 22 31 42.2–.86 3.10S 126.30E 56–8 4.6b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=9.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.2km az=151.9.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.8km az=55.0.

ISC VII 25 04 30 47.4–.59 3.85S–.08 126.17E–.05 35 3.9b 14 1-64
IDC VII 25 04 30 41.0–2.7 3.24S 127.33E 0 4.1,4.0 ¶12698425
DJA VII 25 04 30 44 4.13S 126.23E 60 4.3,4.0
ISCJB VII 25 04 30 45.3–.58 3.89S–.08 126.18E–.04 33 3.9b,4.0

ISC IX 03 13 58 44.9–2.0 3.89S–.03 126.21E–.03 15–13 4.1b 54 1-124
IDC IX 03 13 58 42.0–.78 3.84S 126.19E 0 4.2,4.1 ¶11909374
NEIC IX 03 13 58 43.3–.50 3.82S 126.28E 10 4.7b,4.1
ISCJB IX 03 13 58 44.2–1.2 3.90S–.03 126.17E–.03 25–10 4.1b,4.1
DJA IX 03 13 58 47 3.80S 126.16E 35 4.7,4.1
ISC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=15.1km az=73.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=7.6km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=5.5km az=15.6.

DJA IX 05 02 06 45 3.99S 126.30E 28 4.0
¶12922516

DJA XI 03 10 21 52 3.26S 126.29E 43 3.6
¶12922955

IDC XII 14 15 35 42.1–9.9 3.12S 126.07E 0 3.4,3.3b
¶12077467

IDC Error ellipse: s-maj=194.5km s-min=139.8km az=73.0.

DJA XII 17 14 38 41 3.59S 126.23E 140 3.6
¶12923436

(272) Seram.

DJA VII 06 11 16 08 3.57S 127.21E 2 3.5
¶12921781

ISC VII 13 07 13 59.2–1.1 3.56S–.06 127.25E–.05 9–7 3.8b 11 0-64
IDC VII 13 07 13 54.3–1.7 2.80S 128.65E 0 4.1,4.0L ¶12698184
ISCJB VII 13 07 13 58.9–1.0 3.55S–.07 127.22E–.06 23–8 3.8b,4.0L
DJA VII 13 07 14 00 3.39S 127.32E 5 4.0,4.0L
IDC Error ellipse: s-maj=130.2km s-min=26.7km az=68.0.
ISCJB Error ellipse: s-maj=12.6km s-min=7.9km az=30.0.
DJA VII 19 03 38 58 3.57S 127.79E 10 3.5
¶12921950

IDC VII 20 01 21 02.2–4.3 2.99S 131.00E 0 3.6,3.6b
¶12698335

IDC Error ellipse: s-maj=303.7km s-min=29.1km az=72.0.

DJA VIII 03 22 48 17 3.95S 128.11E 62 2.4
¶12922178

DJA VIII 12 06 25 18 2.42S 129.71E 9 4.1
¶12922259

ISC VIII 16 09 44 10.6–.83 3.9S–.10 128.1E–.20 204–9 3.4b 9 1-69
IDC VIII 16 09 44 03.0–15 3.56S 128.53E 132–156 3.7L,3.5 ¶12581126
ISCJB VIII 16 09 44 09.5–.83 3.9S–.10 128.1E–.20 213–9 3.4b,3.5
DJA VIII 16 09 44 24 3.03S 128.06E 17 3.1,3.5
IDC Error ellipse: s-maj=122.1km s-min=33.8km az=54.0.
ISCJB Error ellipse: s-maj=33.8km s-min=16.4km az=160.8.

ISC VIII 17 19 20 48.3–1.4 2.88S–.08 129.4E–.10 43–15 3.9b 19 2-69
IDC VIII 17 19 20 42.3–1.7 2.85S 129.44E 0 4.1L,4.1 ¶11908370
ISCJB VIII 17 19 20 45.8–1.7 2.95S–.08 129.3E–.10 39–17 3.9b,4.1
NEIC VIII 17 19 20 47.5–1.1 2.91S 129.27E 35 4.2b,4.1
DJA VIII 17 19 20 49 2.72S 129.37E 59 4.1,4.1
ISC Event type se.
IDC Error ellipse: s-maj=111.5km s-min=22.3km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=26.6km s-min=10.1km az=156.4.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=13.2km az=69.0.

ISC VIII 20 01 15 52.4–1.2 3.3S–.20 129.0E–.10 108–7 11 0-65
IDC VIII 20 01 15 42.3–2.3 3.30S 128.47E 0 4.3,4.2L ¶12581222
DJA VIII 20 01 15 47 2.80S 129.25E 10 3.9,4.2L
ISCJB VIII 20 01 15 51.1–1.2 3.3S–.10 129.1E–.10 115–7 3.9,4.2L

ISC VIII 20 08 59 08.4–.75 3.5S–.10 129.2E–.20 35 3.6b 11 0-75
IDC VIII 20 08 59 04.0–1.9 3.21S 130.13E 0 3.8,3.7b ¶12581228
DJA VIII 20 08 59 05 3.61S 128.92E 31 3.4,3.7b
IDC Error ellipse: s-maj=123.3km s-min=22.5km az=76.0.

IDC VIII 20 23 04 34.9–1.7 3.66S 129.54E 0 3.9,3.8L
¶12581243

IDC Error ellipse: s-maj=89.7km s-min=23.9km az=73.0.

ISC VIII 21 10 07 45.6–3.0 3.46S–.10 129.4E–.20 29–21 4.0b 13 1-78
IDC VIII 21 10 07 41.8–1.7 3.48S 129.28E 0 3.9b,3.9 ¶11908534
NEIC VIII 21 10 07 46.3–.72 3.53S 129.34E 35 4.5b,3.9
DJA VIII 21 10 07 52 3.11S 128.91E 2 3.4,3.9
ISC Event type se.
IDC Error ellipse: s-maj=104.9km s-min=23.5km az=75.0.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=11.0km az=85.0.

ISC VIII 28 17 49 14.3–.89 3.7S–.10 128.4E–.10 120–13 10 1-31
DJA VIII 28 17 49 16 3.40S 128.52E 39 3.7 ¶12581512
IDC VIII 28 17 49 20.1–4.6 3.74S 128.90E 154–42 3.7,3.6b
IDC Error ellipse: s-maj=80.3km s-min=24.1km az=77.0.

ISC IX 04 18 18 57.9–.75 3.79S–.05 129.71E–.06 39–7 4.6b 68 1-83
ISCJB IX 04 18 18 55.3–.96 3.79S–.04 129.70E–.06 33–9 4.6b ¶11232473
BJI IX 04 18 18 55.3 3.70S 129.80E 25 4.8s,4.7b
NEIC IX 04 18 18 56.3–4.4 3.70S 129.75E 25–34 4.7b,4.7b
IDC IX 04 18 18 57.5–2.6 3.92S 129.54E 34–19 4.2,4.1b
DJA IX 04 18 18 57 3.77S 129.59E 9 5.2b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=5.3km az=150.1.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.3km az=217.0.
IDC Error ellipse: s-maj=32.3km s-min=10.7km az=73.0.

ISC IX 07 13 40 18.5–1.0 3.39S–.07 130.78E–.08 54–12 4.0b,3.6s 29 1-87
IDC IX 07 13 40 12.2–1.6 3.14S 130.74E 0 4.2,4.1 ¶11909731
ISCJB IX 07 13 40 16.3–1.2 3.35S–.07 130.78E–.08 51–13 4.0b,3.6s
NEIC IX 07 13 40 18.0–.79 3.32S 130.36E 35 4.1b,3.6s
DJA IX 07 13 40 19 3.24S 130.76E 90 3.9,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=102.4km s-min=21.1km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=10.6km az=158.7.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=9.8km az=77.0.

ISC IX 07 21 38 46.2–.73 3.22S–.05 130.72E–.05 57–9 3.7b 30 2-129
NEIC IX 07 21 38 38.7–.70 2.43S 133.39E 35 3.5b ¶11909757
IDC IX 07 21 38 40.1–1.7 3.27S 130.52E 0 4.1,4.0b
ISCJB IX 07 21 38 44.5–.82 3.22S–.05 130.74E–.04 61–10 3.7b,4.0b
DJA IX 07 21 38 46 3.03S 130.71E 52 4.0,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=9.4km az=72.0.
IDC Error ellipse: s-maj=106.6km s-min=23.2km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=7.1km az=27.3.

ISC IX 13 00 04 05.9–.41 3.78S–.02 128.99E–.02 113–3 5.3b 444 1-162
BJI IX 13 00 03 59.0 4.33S 129.29E 110 5.6b,5.2b ¶12952032
NEIC IX 13 00 04 04.2–.72 3.78S 128.96E 95–6 5.6W,5.5b
ISCJB IX 13 00 04 04.2–.43 3.79S–.02 128.99E–.02 113–4 5.3b,5.5b
IDC IX 13 00 04 05.4–.45 3.83S 128.85E 108–3 5.1,5.1
MOS IX 13 00 04 05.3–1.4 3.67S 128.86E 115 5.3b,4.6s
DJA IX 13 00 04 06 3.69S 129.06E 113 5.9W,4.6s
TEH IX 13 00 04 06.0 3.81S 128.94E 115 5.9W,4.6s
GCMT IX 13 00 04 07.0–.10 3.67S 128.95E 109–1 5.6W,4.6s
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=57.0. Felt [IV] at Amahai and Tehoru.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=139.8.
IDC Error ellipse: s-maj=9.8km s-min=5.5km az=66.0.
MOS Error ellipse: s-maj=9.6km s-min=5.6km az=110.8.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=223, per= 50. Moment Tensor Solution. s89,c157; s27,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}1.04±.04 $M_{\theta\theta}$2.08±.04; $M_{\phi\phi}$-3.12±.04; $M_{r\theta}$-1.30±.03; $M_{\theta\phi}$0.85±.04; $M_{\phi r}$-1.02±.03; Best double couple: NP1:ϕ_s311.00000°,δ57.00000°,λ18.00000°. NP2:ϕ_s211.00000°,δ75.00000°,λ146.00000°. Principal axes: T 3.2200,Plg35.0000°,Azm166.0000°; N 0.1900,Plg53.0000°,Azm9.0000°; P -3.4100,Plg11.0000°,Azm264.0000° $M_0$3.30000×10^{17}

ISC IX 15 01 07 00.1–.24 3.01S–.03 128.24E–.03 30 4.7b,4.0s 143 1-155
ISCJB IX 15 01 06 57.5–.26 3.04S–.03 128.27E–.03 29 4.7b,4.0s ¶11277553
MOS IX 15 01 06 57.8–.98 3.08S 128.10E 33 5.0b,4.0s
IDC IX 15 01 06 58.9–.64 3.09S 128.16E 26–4 4.5,4.5L
NEIC IX 15 01 06 59.2–.30 3.00S 128.27E 28 4.6b,4.5L
DJA IX 15 01 07 00 2.92S 128.18E 13 5.2b,4.5L
GCMT IX 15 01 07 02.2–.40 3.00S 128.08E 30–1 4.9W,4.5L
BJI IX 15 01 07 04.4 3.00S 128.30E 87 5.0b,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.1km az=150.6.
MOS Error ellipse: s-maj=23.4km s-min=8.5km az=114.9.
IDC Error ellipse: s-maj=29.5km s-min=9.1km az=74.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.7km az=65.0.
GCMT Event type se. Data Used: IC IU CN II G. Moment Tensor Solution. s27,c33; s54,c76; Moment tensor: Scale 10^{16}Nm; M_{rr}2.09±.19 $M_{\theta\theta}$-2.56±.12; $M_{\phi\phi}$0.47±.15; $M_{r\theta}$0.22±.15; $M_{\theta\phi}$1.18±.11; $M_{\phi r}$1.14±.19; Best double couple: NP1:ϕ_s82.00000°,δ51.00000°,λ48.00000°. NP2:ϕ_s316.00000°,δ54.00000°,λ129.00000°. Principal axes: T 2.7900,Plg59.0000°,Azm286.0000°; N 0.1900,Plg31.0000°,Azm111.0000°; P -2.9700,Plg2.0000°,Azm20.0000°

M$_0$2.90000×10^{16}
IDC IX 16 10 28 20.9–9.6 3.11S 128.82E 468–139 2.7b,2.7 ¶11910393
IDC Error ellipse: s-maj=138.3km s-min=47.5km az=72.0.
IDC IX 19 23 21 54.5–10 3.32S 127.85E 0 3.7b,3.7 ¶11910669
IDC Error ellipse: s-maj=173.4km s-min=147.8km az=99.0.
ISC IX 22 02 41 58.5–.83 2.78S–.07 129.71E–.09 51–19 3.7b 11 2-65
IDC IX 22 02 41 53.0–1.8 2.80S 129.82E 0 3.9,3.7 **¶11910804**
DJA IX 22 02 41 56 2.60S 129.69E 7 3.6,3.7
ISCJB IX 22 02 41 57.5–.87 2.78S–.07 129.71E–.09 60–16 3.7b,3.7
DJA IX 25 06 37 31 3.67S 127.41E 6 4.0 ¶12922679
ISC IX 29 08 34 15.1–1.3 2.94S–.08 129.68E–.09 42–13 4.1b,3.1s 23 2-150
IDC IX 29 08 34 09.8–1.1 3.21S 129.15E 0 4.4L,4.3 **¶11911325**
DJA IX 29 08 34 14 2.69S 129.56E 119 4.0,4.3
NEIC IX 29 08 34 14.4–.83 2.97S 129.53E 35 4.2b,4.3
ISCJB IX 29 08 34 15.7–1.5 2.9S–.10 129.63E–.08 68–14 4.0b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 01 16 29 35.2–1.6 2.95S–.04 129.73E–.04 28–12 4.4b,3.3s 84 2-150
IDC X 01 16 29 30.9–.62 2.96S 129.67E 0 4.3,4.2 **¶11322868**
BJI X 01 16 29 31.1 2.90S 129.80E 10 5.0b,4.8s
ISCJB X 01 16 29 32.7–1.4 2.96S–.04 129.68E–.04 24–11 4.4b,3.3s
DJA X 01 16 29 35.6–.20 3S–3.0 130E–2.0 15–0 5.5b,5.3
NEIC X 01 16 29 35.9–.36 3.00S 129.76E 35 4.5b,5.3
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=14.0km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.9km az=135.9.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=6.3km az=71.0.
IDC X 06 19 57 48.3–2.0 3.16S 127.54E 0 3.5,3.4L ¶12066183
IDC Error ellipse: s-maj=184.3km s-min=27.3km az=67.0.
ISC X 10 06 10 35.1–.41 3.81S–.04 128.79E–.05 125–4 4.6b 82 0-149
ISCJB X 10 06 10 34.0–.41 3.81S–.04 128.78E–.05 134–4 4.5b **¶11344588**
NEIC X 10 06 10 36.2–1.6 3.86S 128.73E 135–16 4.7b
DJA X 10 06 10 37.2–.40 4S–4.0 129E–3.0 96–6 5.1b,5.0
IDC X 10 06 10 38.2–2.6 3.93S 128.71E 155–24 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.6km az=140.5.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.0km az=50.0.
IDC Error ellipse: s-maj=24.1km s-min=9.1km az=68.0.
DJA X 10 08 24 08 2.75S 129.43E 6 3.6 ¶12922775
IDC X 17 11 14 25.5–3.4 3.25S 128.91E 0 3.9,3.7b ¶12068882
IDC Error ellipse: s-maj=174.3km s-min=34.6km az=87.0.
DJA X 22 17 36 34 2.74S 130.13E 29 3.9 ¶12922869
ISC X 24 01 54 20.7–.44 3.03S–.03 129.48E–.03 39–4 4.8b,4.1s 216 1-154
IDC X 24 01 54 14.2–.44 3.10S 129.50E 0 4.7,4.7 **¶11362349**
MOS X 24 01 54 18.0–1.1 3.10S 129.36E 33 5.1b,4.7
ISCJB X 24 01 54 18.1–.56 3.02S–.03 129.52E–.03 34–5 4.8b,4.1s
NEIC X 24 01 54 19.1–2.6 3.11S 129.43E 30–18 4.8b,4.1s
DJA X 24 01 54 19.3–1.1 3S–2.0 130E–2.0 15–11 5.7b,5.4
BJI X 24 01 54 19.2 3.20S 129.40E 35 5.0b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=9.0km az=73.0.
MOS Error ellipse: s-maj=14.3km s-min=6.9km az=117.7.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.9km az=145.5.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.2km az=46.0.
IDC X 24 03 17 43.4–4.5 2.98S 130.52E 0 3.7L,3.6 ¶12070954
IDC Error ellipse: s-maj=294.2km s-min=34.5km az=90.0.
DJA XI 01 01 38 14 3.65S 127.99E 5 3.5 ¶12922932
ISC XI 05 06 25 40.3–1.9 3.3S–.10 130.8E–.10 39–18 3.8b 29 1-153
IDC XI 05 06 25 34.6–1.1 3.29S 130.49E 0 4.1,4.0b **¶12072346**
DJA XI 05 06 25 37 2.72S 130.76E 20 3.9,4.0b
NEIC XI 05 06 25 39.8–.77 3.38S 130.51E 35 3.8b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=58.6km s-min=19.4km az=65.0.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=10.7km az=73.0.
ISC XI 08 17 23 58.9–.71 3.62S–.07 129.02E–.07 99–7 14 0-33
ISCJB XI 08 17 23 57.5–.68 3.64S–.07 129.02E–.07 108–6 **¶12072845**
DJA XI 08 17 24 00 3.61S 129.00E 76 3.3
IDC XI 08 17 24 06.8–4.5 4.34S 129.64E 102–73 4.0L,3.8
ISCJB Error ellipse: s-maj=13.5km s-min=10.1km az=44.9.
IDC Error ellipse: s-maj=110.4km s-min=49.7km az=100.0.
DJA XI 20 23 17 45 3.89S 128.56E 81 2.5 ¶12923136
ISC XI 25 17 58 42.6–1.3 2.99S–.04 129.32E–.05 18–7 4.0b 58 1-79
ISCJB XI 25 17 58 40.8–1.7 2.94S–.04 129.38E–.07 21–12 4.0b **¶12074800**
DJA XI 25 17 58 43 2.88S 129.16E 10 4.2
NEIC XI 25 17 58 46.3–2.3 3.05S 129.31E 47–24 4.0b
IDC XI 25 17 58 46.1–3.8 3.11S 129.09E 47–37 4.0,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=5.7km az=155.9.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=12.1km az=69.0.
IDC Error ellipse: s-maj=102.9km s-min=11.6km az=72.0.
ISC XI 26 06 54 01.6–.97 2.83S–.09 130.05E–.07 35 4.0b 26 1-37
IDC XI 26 06 53 57.5–2.4 2.82S 130.15E 0 4.3,4.1 **¶12074869**
ISCJB XI 26 06 53 58.9–.93 2.77S–.08 130.11E–.06 33 4.0b,4.1
DJA XI 26 06 53 58 2.57S 130.00E 10 4.0,4.1
NEIC XI 26 06 54 03.2–1.2 2.97S 130.10E 35 3.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=80.7km s-min=23.0km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.3km az=37.7.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=11.1km az=218.0.
IDC XI 26 20 01 38.5–2.2 3.97S 129.03E 0 3.7,3.6b ¶12074941
IDC Error ellipse: s-maj=188.8km s-min=26.3km az=69.0.
IDC XI 26 20 19 04.3–1.8 3.41S 130.28E 0 3.7,3.5b ¶12074944
IDC Error ellipse: s-maj=110.7km s-min=26.0km az=71.0.
IDC XI 26 22 02 31.0–4.1 3.15S 130.97E 0 3.8,3.6 ¶12074959
IDC Error ellipse: s-maj=294.8km s-min=27.8km az=72.0.
DJA XI 28 06 19 17 3.56S 127.23E 20 3.7 ¶12923212
ISC XII 05 10 24 21.1–.46 3.04S–.04 128.45E–.05 56–5 4.1b 47 1-126
IDC XII 05 10 24 13.5–.90 2.86S 128.80E 0 4.2,4.1L **¶12075874**
NEIC XII 05 10 24 18.8–.40 2.92S 128.73E 35 3.9b,4.1L
ISCJB XII 05 10 24 20.0–.44 3.02S–.04 128.42E–.05 61–4 4.1b,4.1L
DJA XII 05 10 24 19 2.92S 128.39E 12 4.4,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=18.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.6km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.8km az=150.1.
DJA XII 08 02 39 21 3.18S 128.00E 10 3.0 ¶12923333
ISC XII 09 16 07 00.7–.33 3.41S–.03 127.20E–.03 87–3 4.6b 113 0-155
ISCJB XII 09 16 06 59.4–.34 3.41S–.03 127.18E–.03 93–4 4.6b **¶12076565**
IDC XII 09 16 07 01.6–2.1 3.53S 127.06E 97–19 4.2,4.1
DJA XII 09 16 07 01.6–.20 3S–3.0 127E–2.0 78–5 5.3b,5.0
NEIC XII 09 16 07 02.1–1.1 3.53S 127.11E 104–11 4.9b,5.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.5km az=40.4.
IDC Error ellipse: s-maj=18.3km s-min=8.9km az=70.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=4.4km az=57.0.
ISC XII 09 18 23 55.6–.55 2.80S–.06 129.57E–.07 35 3.9b 41 1-79
DJA XII 09 18 23 49 2.46S 129.73E 10 4.0 **¶12076587**
IDC XII 09 18 23 51.9–.97 2.92S 129.30E 0 4.0L,4.0
ISCJB XII 09 18 23 52.9–.52 2.68S–.05 129.71E–.05 33 3.8b,4.0
NEIC XII 09 18 23 56.2–.63 2.96S 129.39E 35 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=50.9km s-min=17.8km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.2km az=137.0.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=10.1km az=69.0.
IDC XII 11 02 08 23.1–2.0 2.87S 129.57E 0 4.0,3.8
DJA XII 11 02 06 57 7.90S 129.91E 10 4.6,3.8 **¶15792473**
IDC Error ellipse: s-maj=105.0km s-min=17.5km az=72.0.
ISC XII 13 19 00 37.3–.40 3.07S–.02 129.82E–.02 44–3 5.1b,4.3s 417 1-162
BJI XII 13 19 00 27.9 3.94S 130.25E 44 5.2b,4.9b **¶12077325**
IDC XII 13 19 00 31.1–.38 3.06S 129.69E 0 5.0b,4.9
MOS XII 13 19 00 34.4–1.2 3.06S 129.74E 33 5.3b,4.2s
ISCJB XII 13 19 00 35.1–.48 3.04S–.02 129.82E–.02 40–4 5.1b,4.3s
NEIC XII 13 19 00 37.0–.19 3.11S 129.76E 44 5.2b,4.3s
GCMT XII 13 19 00 36.6–.30 3.05S 129.80E 25–1 5.1W,4.3s
TEH XII 13 19 00 37.0 3.19S 129.82E 44 5.1W,4.3s
DJA XII 13 19 00 38.1–.20 3S–3.0 130E–2.0 48–4 5.5b,5.4
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: IC IU II G CN. Moment Tensor Solution. s29,c37; s66,c92; Moment tensor: Scale 10^{16}Nm; M$_{rr}$1.25±.20 M$_{\theta\theta}$3.54±.15; M$_{\phi\phi}$-4.79±.17; M$_{r\theta}$-2.11±.40; M$_{\theta\phi}$-0.92±.13; M$_{\phi r}$1.50±.38; Best double couple: NP1:ϕ_s227.00000°,δ59.00000°,λ165.00000°. NP2:ϕ_s325.00000°,δ77.00000°,λ32.00000°. Principal axes: T 5.0500,Plg32.0000° ,Azm191.0000°; N 0.1200,Plg55.0000°,Azm345.0000°; P -5.1600,Plg12.0000°,Azm93.0000° M$_0$5.10000×10^{16}
ISC XII 13 19 07 21.2–.66 3.08S–.08 129.9E–.30 35 3.9b 18 15-76
IDC XII 13 19 07 16.2–1.2 3.05S 129.59E 0 4.1,3.9L **¶12077327**
ISCJB XII 13 19 07 18.9–.66 3.06S–.08 129.9E–.30 33 3.9b,3.9L
NEIC XII 13 19 07 22.4–4.1 3.11S 129.86E 49–43 4.2b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=65.9km s-min=21.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=39.3km s-min=10.1km az=169.7.
NEIC Event type se. Error ellipse: s-maj=45.0km s-min=17.8km az=74.0.
ISC XII 13 19 28 03.2–.94 3.13S–.07 129.79E–.08 46–10 3.6b 29 1-77
IDC XII 13 19 27 57.5–1.5 3.12S 129.65E 0 3.8,3.7 **¶12077328**
NEIC XII 13 19 28 01.5–1.2 3.10S 129.95E 35 3.8b,3.7
ISCJB XII 13 19 28 02.2–.93 3.15S–.06 129.80E–.08 58–10 3.6b,3.7
DJA XII 13 19 28 02 2.96S 129.78E 24 3.4,3.7
ISC Event type se.
IDC Error ellipse: s-maj=77.8km s-min=21.2km az=73.0.
NEIC Event type se. Error ellipse: s-maj=54.4km s-min=13.9km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=9.1km az=149.4.
ISC XII 15 17 22 17.1–.69 3.03S–.09 130.1E–.20 35 3.8b 23 16-75
IDC XII 15 17 22 11.9–1.6 2.92S 130.15E 0 3.9,3.8b **¶12077633**
ISCJB XII 15 17 22 14.8–.68 2.99S–.09 130.1E–.20 33 3.8b,3.8b
NEIC XII 15 17 22 17.0–.54 3.02S 130.07E 35 4.3b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=83.4km s-min=19.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=9.1km az=157.6.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=7.5km az=67.0.
ISC XII 24 15 15 56.2–.78 3.37S–.08 130.75E–.05 48–13 4.2b 21 2-70
IDC XII 24 15 15 50.7–1.4 3.36S 130.50E 0 4.4b,4.2 **¶12078826**
ISCJB XII 24 15 15 55.2–.77 3.47S–.07 130.76E–.05 67–12 4.1b,4.2
DJA XII 24 15 15 56 3.19S 130.67E 95 3.8,4.2
IDC Error ellipse: s-maj=78.7km s-min=23.1km az=70.0.
ISCJB Error ellipse: s-maj=11.6km s-min=8.4km az=7.3.
DJA XII 24 15 29 30 2.88S 130.75E 59 3.5 ¶12923496
DJA XII 25 15 28 59 2.18S 130.16E 27 3.5 ¶12923510
ISC XII 29 17 49 29.5–1.1 2.8S–.10 129.63E–.09 35 3.4b 8 1-65
IDC XII 29 17 49 20.1–2.4 2.28S 130.20E 0 3.7,3.4b **¶12079426**
DJA XII 29 17 49 26 2.60S 129.61E 10 3.2,3.4b
IDC Error ellipse: s-maj=141.4km s-min=28.5km az=70.0.
IDC XII 31 22 03 14.6–2.4 3.06S 130.22E 0 3.3,3.1b ¶12079706
IDC Error ellipse: s-maj=137.8km s-min=29.4km az=70.0.

SEISMIC REGION 24.
Sunda Arc.

(273) Southwest of Sumatera.

ISC VII 06 21 42 22.3–1.2 6.04S–.09 103.7E–.10 61–9 4.2b 40 1-145
IDC VII 06 21 42 14.0–1.2 6.14S 103.57E 0 4.2,4.1 **¶11810829**
NEIC VII 06 21 42 19.1–.41 6.09S 103.63E 35 4.3b,4.1
ISCJB VII 06 21 42 21.7–1.2 6.02S–.10 103.74E–.10 74–8 4.1b,4.1
DJA VII 06 21 42 23 5.97S 103.84E 33 4.0,4.1
ISC Event type se.
IDC Error ellipse: s-maj=43.9km s-min=16.8km az=52.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=6.6km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=7.7km az=136.4.
DJA VII 11 21 45 57 6.26S 103.63E 9 3.5 ¶12921865
ISC VII 19 23 19 57.8–.96 0.45S–.03 96.97E–.02 28–6 5.2b,4.7s 461 2-158
IDC VII 19 23 19 53.3–.36 0.42S 96.91E 0 5.2L,5.0 **¶11133699**
BJI VII 19 23 19 53.0 0.98S 96.91E 37 5.4b,5.3b
ISCJB VII 19 23 19 54.2–.91 0.44S–.03 96.95E–.02 15–6 5.2b,4.7s
MOS VII 19 23 19 56.8–.95 0.39S 96.97E 33 5.3b,4.7s
DJA VII 19 23 19 57.7–1.2 0S–3.0 97E–3.0 14–8 5.8b,5.7
NEIC VII 19 23 19 58.5–.13 0.44S 96.95E 35 5.2b,5.7
SZGRF VII 19 23 19 58.0 0.84S 96.43E 20 4.9b,5.7
TEH VII 19 23 19 59.0 0.41S 96.96E 35 4.9b,5.7
ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=9.5km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.7km az=30.8.
MOS Error ellipse: s-maj=8.0km s-min=4.7km az=113.8.
NEIC Event type fe. Error ellipse: s-maj=4.2km s-min=3.5km az=216.0. Felt [III] at Gunungsitoli, Nias.
SZGRF Southwest of Sumatera, Indonesia.
ISC VII 24 18 38 19.5–1.6 6.68S–.04 102.58E–.03 13–10 4.6b,3.6s 127 2-147
IDC VII 24 18 38 17.4–1.1 6.66S 102.60E 0 4.4,4.3 **¶11227138**
ISCJB VII 24 18 38 17.7–1.6 6.74S–.04 102.56E–.04 16–11 4.6b,3.6s
BJI VII 24 18 38 19.3 6.60S 102.70E 16 5.0b,4.7b
NEIC VII 24 18 38 20.4–5.3 6.60S 102.71E 17–32 4.8b,4.7b
MOS VII 24 18 38 20.4–1.1 6.58S 102.68E 33 4.7b,4.7b
DJA VII 24 18 38 22 6.64S 102.60E 36 4.9,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=15.6km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.9km az=38.9.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=6.6km az=48.0.
MOS Error ellipse: s-maj=18.4km s-min=7.6km az=108.9.
DJA VII 29 19 28 32 6.87S 100.48E 17 4.3 ¶12922109
DJA VIII 03 15 08 10 3.66S 99.20E 20 4.0 ¶12922169
ISC VIII 08 06 37 42.8–.14 4.05S–.02 100.96E–.02 31 5.5s,5.5b 552 2-176
SZGRF VIII 08 06 37 34.4 4.41S 103.33E 33 5.4b,5.3s **¶11159985**
BJI VIII 08 06 37 34.4 4.78S 100.98E 32 5.9s,5.9b
IDC VIII 08 06 37 37.3–.40 4.01S 101.09E 0 5.4,5.4s
ISCJB VIII 08 06 37 40.7–.15 4.05S–.02 100.97E–.02 29 5.5s,5.5b
DJA VIII 08 06 37 40 4.09S 100.86E 13 5.8W,5.5b
NEIC VIII 08 06 37 41.9–.15 3.94S 101.08E 23 5.8W,5.6W
MOS VIII 08 06 37 42.5–1.5 3.76S 101.08E 33 5.8b,5.4s
GCMT VIII 08 06 37 43.4–.10 4.29S 100.75E 16 5.8W,5.4s
ISC Event type fe.
SZGRF Southern Sumatera, Indonesia.

IDC Error ellipse: s-maj=15.4km s-min=10.0km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.2km az=35.3.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.6km az=47.0. Felt [II] at Kapahiang. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s52 Moment tensor: Scale 10^{17}Nm; M_{rr}2.25 $M_{\theta\theta}$-2.09 $M_{\phi\phi}$-0.16 $M_{r\theta}$1.91 $M_{\theta\phi}$0.93 $M_{\phi r}$-0.79 Best double couple: NP1:ϕ_s291.00000° ,δ24.00000°,λ89.00000°. NP2:ϕ_s112.00000°,δ66.00000°,λ90.00000°. Principal axes: T 3.0300,Plg69.0000°,Azm22.0000°; N 0.2100,Plg0.0000°,Azm292.0000° ; P -3.2400,Plg20.0000°,Azm202.0000° $M_0$3.10000×10^{17}
MOS Error ellipse: s-maj=8.3km s-min=4.4km az=112.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 80, comp=126, per= 50. Moment Tensor Solution. s86,c152; s21,c21; Moment tensor: Scale 10^{17}Nm; M_{rr}1.78±.04 $M_{\theta\theta}$-0.93±.03; $M_{\phi\phi}$-0.85±.04; $M_{r\theta}$5.13±.11; $M_{\theta\phi}$0.97±.03; $M_{\phi r}$-3.36±.11; Best double couple: NP1:ϕ_s324.00000°,δ9.00000°,λ110.00000°. NP2:ϕ_s124.00000°,δ82.00000°,λ87.00000°. Principal axes: T 6.3900,Plg53.0000°,Azm30.0000°; N 0.0200,Plg3.0000°,Azm124.0000° ; P -6.4100,Plg37.0000°,Azm216.0000° $M_0$6.40000×10^{17}

ISC	**VIII**	**08 07 15 23.8–2.2**	**4.19S–.06**	**100.84E–.05**	**13–14**	**4.4b**	**42**	**2-147**	
BJI	VIII	08 07 15 22.4	4.29S	100.90E	23	5.4b,5.0s			¶11652842
ISCJB	VIII	08 07 15 23.5–1.9	4.20S–.07	100.80E–.05	27–13	4.4b,5.0s			
DJA	VIII	08 07 15 26	4.16S	100.90E	68	4.4,5.0s			
NEIC	VIII	08 07 15 27.1–.47	4.11S	100.95E	35	4.6b,5.0s			
IDC	VIII	08 07 15 28.5–3.8	4.05S	100.99E	44–37	4.1,4.1b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=13.5km s-min=5.1km az=34.2.								
NEIC	Event type se. Error ellipse: s-maj=19.1km s-min=8.2km az=57.0.								
IDC	Error ellipse: s-maj=28.4km s-min=14.7km az=58.0.								
ISC	**VIII**	**08 14 00 12.3–2.6**	**4.15S–.07**	**100.68E–.07**	**13–19**	**3.9b**	**26**	**2-146**	
IDC	VIII	08 14 00 13.4–3.4	3.86S	100.24E	0	3.9,3.8b			¶11907965
DJA	VIII	08 14 00 13	4.25S	100.62E	30	4.1,3.8b			
NEIC	VIII	08 14 00 16.9–2.5	4.02S	101.08E	35	4.3b,3.8b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=144.9km s-min=24.1km az=59.0.								
NEIC	Event type se. Error ellipse: s-maj=96.9km s-min=14.3km az=56.0.								
IDC	**VIII**	**14 18 07 49.8–2.6**	**1.12S**	**97.76E**	**0**	**3.7L,3.6b**			
									¶12581081
IDC	Error ellipse: s-maj=106.3km s-min=20.7km az=58.0.								
DJA	**VIII**	**22 04 13 32**	**6.35S**	**103.27E**	**26**	**3.6**			
									¶12922363
ISC	**VIII**	**26 03 51 34.6–.82**	**0.12S–.10**	**97.1E–.10**	**35**	**3.9b**	**15**	**3-145**	
IDC	VIII	26 03 51 28.7–1.1	0.29S	96.89E	0	4.0L,4.0			¶11908830
ISCJB	VIII	26 03 51 32.3–.81	0.12S–.10	97.1E–.10	33	3.9b,4.0			
NEIC	VIII	26 03 51 34.3–.60	0.16S	97.07E	35	4.1b,4.0			
ISC	Event type se.								
IDC	Error ellipse: s-maj=41.3km s-min=18.5km az=56.0.								
ISCJB	Event type se. Error ellipse: s-maj=16.9km s-min=12.2km az=146.3.								
NEIC	Event type se. Error ellipse: s-maj=13.3km s-min=9.7km az=53.0.								
ISC	**IX**	**02 06 21 32.8–1.1**	**6.44S–.06**	**103.62E–.08**	**42–11**	**3.9b**	**29**	**1-146**	
ISCJB	IX	02 06 21 31.2–1.1	6.48S–.06	103.61E–.07	49–11	3.9b			¶11909262
DJA	IX	02 06 21 32	6.40S	103.71E	17	4.2			
IDC	IX	02 06 21 34.6–.82	6.09S	104.05E	43–6	3.7,3.6b			
ISCJB	Error ellipse: s-maj=13.6km s-min=7.4km az=145.8.								
IDC	Error ellipse: s-maj=34.7km s-min=13.8km az=62.0.								
ISC	**IX**	**03 08 07 02.7–1.5**	**3.69S–.04**	**99.98E–.04**	**13–9**	**4.7b,4.5s**	**86**	**2-148**	
ISCJB	IX	03 08 07 00.2–1.3	3.73S–.04	99.95E–.04	11–8	4.7b,4.5s			¶11230735
IDC	IX	03 08 07 00.2–.65	3.72S	99.89E	0	4.5,4.4			
DJA	IX	03 08 07 04	3.68S	100.02E	22	4.9,4.4			
BJI	IX	03 08 07 05.0	3.70S	100.00E	35	4.8s,4.8b			
NEIC	IX	03 08 07 05.7–.39	3.69S	100.02E	35	4.8b,4.8b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=8.6km s-min=4.7km az=138.3.								
IDC	Error ellipse: s-maj=22.3km s-min=10.8km az=53.0.								
NEIC	Event type se. Error ellipse: s-maj=13.6km s-min=7.0km az=64.0.								
ISC	**IX**	**06 20 43 25.3–.80**	**4.40S–.08**	**100.80E–.06**	**28**	**3.8b**	**25**	**2-146**	
ISCJB	IX	06 20 43 22.7–.79	4.47S–.08	100.73E–.06	26	3.8b			¶11909634
DJA	IX	06 20 43 23	4.43S	100.82E	11	4.1			
NEIC	IX	06 20 43 26.7–1.4	4.18S	101.02E	26	3.8b			
IDC	IX	06 20 43 27.1–1.9	4.18S	101.07E	26–4	3.7,3.6b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=12.8km s-min=6.7km az=24.9.								
NEIC	Event type se. Error ellipse: s-maj=55.4km s-min=10.9km az=59.0.								
IDC	Error ellipse: s-maj=76.0km s-min=14.9km az=55.0.								
ISC	**IX**	**10 19 20 26.4–3.8**	**5.08S–.09**	**101.81E–.07**	**27–28**	**3.8b**	**15**	**1-146**	
IDC	IX	10 19 20 23.4–3.1	4.91S	102.07E	0	3.9,3.8b			¶11909988
ISCJB	IX	10 19 20 26.3–2.4	5.1S–.10	101.8E–.10	44–20	3.8b,3.8b			
DJA	IX	10 19 20 29	2.40S	103.44E	14	4.0,3.8b			
IDC	Error ellipse: s-maj=132.6km s-min=16.6km az=56.0.								
ISCJB	Error ellipse: s-maj=24.4km s-min=13.5km az=144.0.								
IDC	**IX**	**13 18 43 43.9–3.2**	**0.67S**	**96.21E**	**0**	**3.6b,3.6**			
									¶11910201
IDC	Error ellipse: s-maj=124.3km s-min=22.6km az=59.0.								
IDC	**IX**	**17 20 15 07.5–2.5**	**6.59S**	**102.08E**	**0**	**4.2s,4.2**			
									¶11910509
IDC	Error ellipse: s-maj=88.2km s-min=20.4km az=55.0.								
ISC	**X**	**06 05 27 36.9–3.1**	**6.71S–.07**	**102.61E–.08**	**33–23**	**3.8b**	**17**	**2-147**	
IDC	X	06 05 27 32.1–3.8	6.77S	102.63E	0	4.0,3.8			¶12066098
ISCJB	X	06 05 27 35.9–1.8	6.71S–.08	102.6E–.10	43–16	3.8b,3.8			
DJA	X	06 05 27 38	6.56S	102.66E	30	4.0,3.8			
IDC	Error ellipse: s-maj=169.5km s-min=18.7km az=53.0.								
ISCJB	Error ellipse: s-maj=17.7km s-min=12.7km az=159.6.								
ISC	**X**	**06 09 45 30.8–.60**	**5.30S–.07**	**101.79E–.06**	**35**	**4.0b**	**47**	**1-146**	
IDC	X	06 09 45 24.1–2.6	5.60S	101.35E	0	4.2,4.0b			¶12066123
ISCJB	X	06 09 45 28.2–.61	5.35S–.07	101.73E–.05	33	4.0b,4.0b			
NEIC	X	06 09 45 28.9–.83	5.66S	101.28E	35	4.0b,4.0b			
DJA	X	06 09 45 30	5.41S	101.77E	54	4.4,4.0b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=113.9km s-min=15.9km az=55.0.								
ISCJB	Event type se. Error ellipse: s-maj=11.1km s-min=5.6km az=35.0.								
NEIC	Event type se. Error ellipse: s-maj=30.7km s-min=7.8km az=52.0.								
ISC	**X**	**06 17 35 31.7–.75**	**5.26S–.07**	**101.76E–.07**	**35**	**4.0b,3.5s**	**39**	**1-146**	
IDC	X	06 17 35 27.3–2.6	5.14S	101.92E	0	4.0,3.9			¶12066169
ISCJB	X	06 17 35 28.9–.74	5.33S–.07	101.68E–.07	33	4.0b,3.5s			
DJA	X	06 17 35 28	5.37S	101.58E	29	4.5,3.5s			
NEIC	X	06 17 35 32.6–1.5	5.10S	101.98E	35	4.4b,3.5s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=112.7km s-min=15.6km az=55.0.								
ISCJB	Event type se. Error ellipse: s-maj=12.6km s-min=6.3km az=135.3.								
NEIC	Event type se. Error ellipse: s-maj=68.6km s-min=8.8km az=54.0.								
ISC	**X**	**10 18 49 55.8–.45**	**6.27S–.04**	**98.11E–.03**	**35**	**4.2b,3.5s**	**84**	**5-149**	
NEIC	X	10 18 49 48.9–3.5	6.49S	97.93E	2–22	4.4b,3.5s			¶11344610
IDC	X	10 18 49 49.1–1.0	6.48S	97.96E	0	4.1,3.9			
ISCJB	X	10 18 49 53.3–.45	6.25S–.04	98.09E–.03	33	4.2b,3.5s			
DJA	X	10 18 50 03.4–.60	6S–4.0	98E–4.0	168–22	5.6b,5.5			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
IDC	**X**	**11 11 58 37.2–4.4**	**5.07S**	**101.54E**	**0**	**3.6,3.4b**			
									¶12066585
IDC	Error ellipse: s-maj=175.5km s-min=23.1km az=57.0.								
ISC	**X**	**12 06 26 43.0–.41**	**7.42S–.03**	**102.56E–.03**	**33**	**4.2b,4.2s**	**73**	**3-147**	
ISCJB	X	12 06 26 40.4–.41	7.45S–.03	102.53E–.03	31	4.2b,4.2s			¶11346063
IDC	X	12 06 26 41.7–1.1	7.73S	102.51E	32–4	4.1s,4.1			
NEIC	X	12 06 26 42.1–.40	7.51S	102.56E	30	4.5b,4.1			
DJA	X	12 06 26 44.9–.40	7S–3.0	103E–3.0	60–19	5.8b,5.5			
ISC	Event type se.								
ISCJB	Event type se.								
NEIC	Event type se.								
IDC	**X**	**18 05 41 33.3–4.3**	**3.93S**	**99.57E**	**0**	**3.6,3.5b**			
									¶12068954
IDC	Error ellipse: s-maj=175.6km s-min=25.8km az=55.0.								
ISC	**X**	**25 13 48 43.1–2.4**	**4.8S–.40**	**100.8E–.50**	**35**	**3.7b**	**16**	**23-146**	
NEIC	X	25 13 48 39.3–1.6	4.77S	100.76E	10	4.4b			¶12071077
IDC	X	25 13 48 39.0–4.2	4.57S	101.02E	0	3.8,3.7b			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=65.2km s-min=8.6km az=55.0.								
IDC	Error ellipse: s-maj=178.3km s-min=20.7km az=54.0.								
ISC	**X**	**26 08 54 20.5–.81**	**7.76S–.05**	**104.48E–.05**	**43–7**	**4.3b**	**70**	**2-151**	
ISCJB	X	26 08 54 18.8–.91	7.79S–.05	104.49E–.05	49–7	4.3b			¶12071140
NEIC	X	26 08 54 19.0–.50	7.78S	104.56E	31	4.5b			
DJA	X	26 08 54 19	7.68S	104.51E	14	4.6			
IDC	X	26 08 54 19.0–.62	7.78S	104.47E	31–3	4.1,4.0b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=11.2km s-min=5.4km az=135.1.								
NEIC	Event type se. Error ellipse: s-maj=21.0km s-min=7.5km az=55.0.								
IDC	Error ellipse: s-maj=23.8km s-min=10.9km az=56.0.								
IDC	**X**	**26 09 01 27.7–3.8**	**7.55S**	**104.61E**	**0**	**3.7,3.5b**			
									¶12071141
IDC	Error ellipse: s-maj=171.9km s-min=21.5km az=51.0.								
IDC	**X**	**31 01 38 14.2–3.9**	**7.16S**	**103.04E**	**0**	**3.7,3.5**			
DJA	X	31 01 38 21	6.81S	102.93E	57	3.9,3.5			¶12071701
IDC	Error ellipse: s-maj=160.8km s-min=20.7km az=53.0.								
ISC	**XI**	**02 09 32 01.7–.58**	**6.01S–.04**	**103.70E–.04**	**43–5**	**4.8b,3.9s**	**187**	**1-150**	
IDC	XI	02 09 31 59.9–.64	5.88S	103.76E	27–3	4.3,4.2			¶11383192
MOS	XI	02 09 31 59.3–1.1	5.73S	104.00E	33	5.0b,4.2			
ISCJB	XI	02 09 32 00.3–.65	6.03S–.04	103.67E–.04	48–5	4.8b,3.9s			
DJA	XI	02 09 32 00	6.02S	103.69E	12	4.5,3.9s			
NEIC	XI	02 09 32 01.5–.82	5.92S	103.74E	42–8	4.9b,3.9s			
BJI	XI	02 09 32 01.9	6.00S	103.70E	47	5.0b,4.9b			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=24.0km s-min=12.2km az=57.0.								
MOS	Error ellipse: s-maj=17.8km s-min=6.6km az=115.8.								
ISCJB	Event type fe. Error ellipse: s-maj=8.3km s-min=5.3km az=143.0.								
NEIC	Event type fe. Error ellipse: s-maj=9.7km s-min=4.9km az=50.0. Felt [III] at Liwa.								
DJA	**XI**	**07 20 57 21**	**6.67S**	**103.30E**	**30**	**3.6**			
									¶12922986
IDC	**XI**	**12 06 47 42.8–2.9**	**0.12S**	**96.78E**	**0**	**4.4L,4.0**			
									¶12073274
IDC	Error ellipse: s-maj=108.9km s-min=30.3km az=60.0.								
ISC	**XI**	**18 06 24 17.3–2.7**	**6.03S–.06**	**102.67E–.07**	**32–21**	**3.9b**	**19**	**2-146**	
IDC	XI	18 06 24 12.8–3.9	5.99S	102.65E	0	4.0,3.9b			¶12073972
ISCJB	XI	18 06 24 16.7–1.6	6.04S–.07	102.67E–.10	47–13	3.9b,3.9b			
DJA	XI	18 06 24 17	5.96S	102.76E	20	3.8,3.9b			
IDC	Error ellipse: s-maj=160.6km s-min=20.7km az=54.0.								
ISCJB	Error ellipse: s-maj=17.1km s-min=10.1km az=152.4.								
ISC	**XI**	**20 20 33 20.1–4.5**	**3.11S–.09**	**99.6E–.20**	**30–33**	**3.3b**	**11**	**2-58**	
IDC	XI	20 20 33 16.5–4.2	2.99S	99.87E	0	3.4,3.3b			¶12074318
ISCJB	XI	20 20 33 19.5–2.4	3.1S–.10	99.6E–.20	42–20	3.3b,3.3b			
DJA	XI	20 20 33 31	1.79S	99.01E	98	3.4,3.3b			
IDC	Error ellipse: s-maj=176.9km s-min=24.5km az=55.0.								
ISCJB	Error ellipse: s-maj=27.6km s-min=20.2km az=160.1.								
IDC	**XI**	**25 23 46 53.6–4.3**	**5.29S**	**101.86E**	**0**	**3.7b,3.7**			
									¶12074837
IDC	Error ellipse: s-maj=184.0km s-min=27.6km az=55.0.								
ISC	**XI**	**26 03 28 24.0–.98**	**5.3S–.20**	**100.6E–.30**	**32**	**3.8b**	**17**	**24-147**	
ISCJB	XI	26 03 28 21.5–.98	5.3S–.20	100.6E–.30	30	3.8b			¶12074854
NEIC	XI	26 03 28 23.8–.71	5.25S	100.65E	31	4.0b			
IDC	XI	26 03 28 24.8–2.7	5.12S	100.80E	32–5	3.7,3.6b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=45.8km s-min=12.9km az=149.4.								
NEIC	Event type se. Error ellipse: s-maj=34.5km s-min=9.7km az=59.0.								
IDC	Error ellipse: s-maj=128.6km s-min=16.3km az=57.0.								
ISC	**XII**	**01 17 31 35.7–.68**	**5.03S–.07**	**101.44E–.06**	**35**	**3.8b**	**36**	**2-146**	
DJA	XII	01 17 31 31	5.10S	101.34E	10	4.2			¶12075436
ISCJB	XII	01 17 31 32.5–.70	5.13S–.06	101.36E–.06	33	3.8b			
IDC	XII	01 17 31 34.6–2.5	4.66S	101.96E	0	3.9,3.8b			
NEIC	XII	01 17 31 39.0–1.4	4.73S	101.83E	35	4.2b,3.8b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=11.1km s-min=5.8km az=40.5.								
IDC	Error ellipse: s-maj=86.9km s-min=21.7km az=56.0.								
NEIC	Event type se. Error ellipse: s-maj=52.6km s-min=13.5km az=55.0.								
ISC	**XII**	**01 18 06 33.6–1.7**	**1.47S–.04**	**97.16E–.04**	**26–12**	**4.2b,3.4s**	**77**	**2-100**	
IDC	XII	01 18 06 29.4–1.3	1.46S	97.20E	0	4.3,4.2			¶12075439
ISCJB	XII	01 18 06 31.2–1.7	1.47S–.04	97.14E–.04	23–12	4.2b,3.4s			
DJA	XII	01 18 06 34	1.44S	97.16E	47	5.0,3.4s			
NEIC	XII	01 18 06 35.5–.60	1.41S	97.33E	35	4.2b,3.4s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=55.2km s-min=14.5km az=56.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.8km s-min=5.3km az=35.0.								
NEIC	Event type se. Error ellipse: s-maj=17.1km s-min=8.8km az=63.0.								
ISC	**XII**	**11 10 52 00.1–.97**	**6.33S–.10**	**102.20E–.09**	**35**	**3.9b**	**17**	**2-147**	
IDC	XII	11 10 51 54.4–1.6	6.52S	102.02E	0	4.0,3.9b			¶12076910
ISCJB	XII	11 10 51 57.3–.96	6.44S–.09	102.13E–.09	33	3.9b,3.9b			
DJA	XII	11 10 51 58	6.38S	102.08E	36	4.8,3.9b			
IDC	Error ellipse: s-maj=68.0km s-min=19.6km az=51.0.								
ISCJB	Error ellipse: s-maj=16.2km s-min=8.5km az=40.9.								
DJA	**XII**	**11 22 20 28**	**6.62S**	**103.74E**	**20**	**3.8**			
									¶12923385
ISC	**XII**	**14 03 17 22.3–1.5**	**6.19S–.09**	**103.4E–.10**	**53–12**	**3.8b,3.6s**	**40**	**1-146**	
IDC	XII	14 03 17 15.0–1.4	6.20S	103.26E	0	3.9,3.8			¶12077384
NEIC	XII	14 03 17 20.4–.64	6.17S	103.34E	35	4.0b,3.8			
ISCJB	XII	14 03 17 21.5–1.6	6.18S–.10	103.4E–.10	65–11	3.7b,3.8			
DJA	XII	14 03 17 21	6.22S	103.39E	25	4.4,3.8			
ISC	Event type se.								
IDC	Error ellipse: s-maj=58.9km s-min=15.6km az=53.0.								
NEIC	Event type se. Error ellipse: s-maj=27.9km s-min=7.4km az=51.0.								
ISCJB	Event type se. Error ellipse: s-maj=23.3km s-min=8.9km az=139.9.								
ISC	**XII**	**17 16 06 59.3–.36**	**6.11S–.02**	**103.44E–.02**	**44–3**	**5.6b,4.7s**	**706**	**1-160**	
BJI	XII	17 16 06 50.2	6.79S	103.51E	35	5.7b,5.2b			¶12077932
IDC	XII	17 16 06 53.0–.40	6.03S	103.54E	0	5.4,5.4b			
DJA	XII	17 16 06 54.6–.70	6S–3.0	103E–2.0	17–6	6.0,5.9b			
MOS	XII	17 16 06 57.1–1.0	5.87S	103.67E	33	5.9b,4.6s			
ISCJB	XII	17 16 06 57.2–.42	6.10S–.02	103.45E–.02	41–3	5.6b,4.7s			
NEIC	XII	17 16 06 58.2–.12	6.07S	103.51E	35	5.7b,5.2W			
SZGRF	XII	17 16 07 02.3	3.96S	104.49E	33	5.5b,5.2W			
GCMT	XII	17 16 07 04.3–.20	6.49S	103.23E	42–1	5.2W,5.2W			
ISC	Event type se.								
IDC	Error ellipse: s-maj=15.8km s-min=10.3km az=45.0.								
MOS	Error ellipse: s-maj=9.1km s-min=4.7km az=114.5.								
ISCJB	Event type fe. Error ellipse: s-maj=4.6km s-min=2.9km az=32.6.								
NEIC	Event type fe. Error ellipse: s-maj=4.5km s-min=3.1km az=51.0. Felt [III] at Liwa and [II] at Kapahiang. Moment Tensor Solution. s13 Moment tensor: Scale 10^{16}Nm; M_{rr}5.37 $M_{\theta\theta}$-4.39 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.99 $M_{\theta\phi}$3.72 $M_{\phi r}$2.25 Best double couple: NP1:ϕ_s318.00000°,δ56.00000° ,λ109.00000°. NP2:ϕ_s106.00000°,δ38.00000°,λ64.00000°. Principal axes: T 6.0900,Plg71.0000°,Azm273.0000°; N 1.0300,Plg15.0000°,Azm126.0000° ; P -7.1200,Plg9.0000°,Azm34.0000° $M_0$6.70000×10^{16}								
SZGRF	Southern Sumatera, Indonesia.								
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves: sta= 74, comp=108, per= 50. Moment Tensor Solution. s65,c99; s5,c5; Moment tensor: Scale 10^{16}Nm; M_{rr}5.59±.21 $M_{\theta\theta}$-3.69±.15; $M_{\phi\phi}$-1.90±.18; $M_{r\theta}$3.76±.16; $M_{\theta\phi}$3.83±.11; $M_{\phi r}$-2.34±.18; Best double couple: NP1:ϕ_s314.00000°,δ27.00000°,λ99.00000°. NP2:ϕ_s124.00000°,δ63.00000°,λ85.00000°. Principal axes: T 7.0400,Plg72.0000°,Azm23.0000°; N 1.1000,Plg4.0000°,Azm126.0000° ; P -8.1400,Plg18.0000°,Azm217.0000° $M_0$7.60000×10^{16}								
ISC	**XII**	**19 10 31 19.3–1.4**	**3.6S–.20**	**99.8E–.20**	**35**	**4.1b**	**20**	**20-146**	
IDC	XII	19 10 31 15.2–2.2	3.38S	100.11E	0	4.7s,4.7			¶12078195
ISCJB	XII	19 10 31 16.8–1.5	3.6S–.20	99.7E–.30	33	4.1b,4.7			
NEIC	XII	19 10 31 18.1–1.3	3.83S	99.52E	35	4.4b,4.7			
ISC	Event type se.								
IDC	Error ellipse: s-maj=87.6km s-min=18.9km az=53.0.								
ISCJB	Event type se. Error ellipse: s-maj=50.7km s-min=11.8km az=137.4.								
NEIC	Event type se. Error ellipse: s-maj=46.1km s-min=9.8km az=46.0.								
IDC	**XII**	**25 01 47 21.9–3.2**	**6.54S**	**103.46E**	**0**	**3.9,3.7b**			
									¶12078878
IDC	Error ellipse: s-maj=145.0km s-min=21.2km az=55.0.								

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ISC VII 01 02 32 24.8–.42 0.91S–.04 100.04E–.05 81–4 4.0b 37 0-145
NEIC VII 01 02 32 19.6–.74 0.96S 100.23E 35 4.2b ¶11799127
ISCJB VII 01 02 32 23.7–.41 0.91S–.04 100.04E–.05 89–3 4.0b
IDC VII 01 02 32 23.8–1.0 0.75S 100.41E 68–6 3.8,3.7b
DJA VII 01 02 32 26 0.93S 100.01E 39 4.0,3.7b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=38.4km s-min=11.0km az=60.0. Felt [II] at Padang.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=6.8km az=144.9.
IDC Error ellipse: s-maj=48.5km s-min=14.8km az=58.0.
ISC VII 02 22 59 35.8–1.5 5.0S–.10 102.1E–.10 35 3.5b 9 1-54
IDC VII 02 22 59 30.2–10 5.14S 102.01E 0 3.6,3.4b ¶12697953
ISCJB VII 02 22 59 32.9–1.4 5.0S–.10 102.0E–.10 33 3.5b,3.4b
DJA VII 02 22 59 32 4.39S 101.74E 53 3.5,3.4b
IDC Error ellipse: s-maj=519.3km s-min=28.5km az=51.0.
ISCJB Error ellipse: s-maj=21.6km s-min=14.4km az=144.5.
ISC VII 05 20 58 21.3–.78 3.5S–.10 100.7E–.10 35 4.2b,3.9s 33 6-145
BJI VII 05 20 58 12.6 3.93S 100.85E 10 4.8b,4.4b ¶11479868
NEIC VII 05 20 58 15.8–6.6 3.59S 100.57E 3–40 4.3b,4.4b
IDC VII 05 20 58 16.8–1.6 3.40S 100.78E 0 4.1,4.0
ISCJB VII 05 20 58 18.9–.79 3.5S–.10 100.6E–.10 33 4.2b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 06 18 03 26.4–.83 4.52S–.08 102.34E–.07 62–8 3.6b 30 1-145
IDC VII 06 18 03 16.0–3.1 4.90S 101.71E 0 3.8,3.7b ¶11810815
NEIC VII 06 18 03 18.6–2.1 5.32S 101.25E 35 3.7b,3.7b
ISCJB VII 06 18 03 25.0–.86 4.55S–.08 102.30E–.07 67–8 3.6b,3.7b
DJA VII 06 18 03 26 4.53S 102.35E 34 4.1,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=132.3km s-min=16.6km az=57.0.
NEIC Event type se. Error ellipse: s-maj=86.3km s-min=10.8km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=5.6km az=37.5.
DJA VII 07 08 42 40 2.78S 100.79E 20 3.6
¶12921790
ISC VII 07 17 58 35.9–1.4 2.16S–.05 99.40E–.06 33–11 4.0b 32 1-145
IDC VII 07 17 58 32.4–2.0 2.03S 99.71E 0 3.9,3.8b ¶11810902
ISCJB VII 07 17 58 35.7–.85 2.14S–.05 99.42E–.07 49–7 4.0b,3.8b
DJA VII 07 17 58 36 2.08S 99.46E 22 4.1,3.8b
NEIC VII 07 17 58 37.2–.98 2.02S 99.66E 35 4.2b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=74.2km s-min=16.9km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=6.6km az=148.1.
NEIC Event type se. Error ellipse: s-maj=43.9km s-min=8.9km az=61.0.
ISC VII 08 20 39 34.6–1.5 2.26S–.04 99.36E–.06 23–11 4.3b,3.9s 37 1-145
BJI VII 08 20 39 29.1 2.80S 99.82E 25 4.8b,4.8b ¶11479908
IDC VII 08 20 39 31.3–1.3 2.20S 99.46E 0 4.3,4.2
ISCJB VII 08 20 39 34.4–1.1 2.27S–.05 99.34E–.07 39–9 4.3b,3.9s
DJA VII 08 20 39 36 2.23S 99.42E 51 4.4,3.9s
NEIC VII 08 20 39 36.7–.79 2.11S 99.56E 35 4.4b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=14.9km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=5.9km az=151.6.
NEIC Event type se. Error ellipse: s-maj=33.7km s-min=8.3km az=56.0.
ISC VII 09 18 46 02.0–.41 4.85S–.05 103.05E–.04 76–3 4.7b 115 0-147
IDC VII 09 18 45 52.3–.63 4.75S 102.93E 0 4.7,4.6 ¶11479924
MOS VII 09 18 45 55.8–.94 4.61S 103.13E 33 5.1b,4.6
BJI VII 09 18 46 00.6 4.70S 103.00E 63 4.9b,4.8b
ISCJB VII 09 18 46 00.6–.44 4.87S–.05 103.03E–.04 82–3 4.7b,4.8b
NEIC VII 09 18 46 00.7–2.8 4.75S 103.03E 63–25 4.9b,4.8b
DJA VII 09 18 46 02 4.93S 103.02E 39 4.9W,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=11.8km az=51.0.
MOS Error ellipse: s-maj=14.8km s-min=8.0km az=112.3.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=4.1km az=41.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=5.6km az=53.0.
ISC VII 09 22 17 42.8–.33 1.89S–.03 100.99E–.03 65–3 5.2b 525 1-159
BJI VII 09 22 17 32.9 2.74S 100.70E 53 5.3s,5.1 ¶11108443
DJA VII 09 22 17 36 2.11S 100.55E 5 5.5W,5.1
MOS VII 09 22 17 37.5–1.6 1.78S 101.22E 33 5.4b,4.8s
IDC VII 09 22 17 39.0–1.5 1.97S 100.97E 41–12 4.8,4.8s
GCMT VII 09 22 17 39.5–.20 2.06S 100.61E 13–0 5.3W,4.8s
ISCJB VII 09 22 17 40.5–.36 1.92S–.03 100.95E–.03 61–3 5.2b,4.8s
NEIC VII 09 22 17 41.1–1.2 1.83S 101.14E 54–10 5.2b,4.8s
SZGRF VII 09 22 17 44.7 1.50S 100.50E 33 5.2b,5.1s
ISC Event type fe.
MOS Error ellipse: s-maj=10.2km s-min=4.7km az=118.6.
IDC Error ellipse: s-maj=15.7km s-min=8.3km az=51.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c92; s92,c170;
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00
Best double couple: NP1:ϕ_s118.00000°,δ66.00000°,λ-10.00000°. NP2:ϕ_s212.00000°
,δ81.00000°,λ-155.00000°. Principal axes: T 1.1400,Plg10.0000°,Azm343.0000°
; N -0.1400,Plg64.0000°,Azm232.0000°; P -1.0000,Plg24.0000°,Azm77.0000°
M_o1.10000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.1km az=141.3.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.0km az=47.0. Felt [III] at Padang and Painan; [II] at Bengkulu, Kapahiang, Mukomuko and Padangpanjang. Also felt [II] on Nias.
SZGRF Southern Sumatera, Indonesia.
ISC VII 09 22 32 39.1–2.7 2.10S–.07 100.61E–.07 19–21 3.6b 13 1-70
IDC VII 09 22 32 37.0–7.5 1.90S 100.93E 0 3.9s,3.8 ¶11811123
DJA VII 09 22 32 39 2.10S 100.59E 20 3.7,3.8
IDC Error ellipse: s-maj=400.1km s-min=22.2km az=53.0.
ISC VII 09 22 33 15.5–1.0 1.9S–.20 101.0E–.20 35 4.0b 20 37-144
IDC VII 09 22 33 09.9–2.8 1.97S 100.87E 0 4.1,4.0b ¶12698105
ISCJB VII 09 22 33 13.4–1.0 1.8S–.20 101.0E–.20 33 4.0b,4.0b
NEIC VII 09 22 33 14.8–.68 1.99S 100.92E 35 4.2b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=167.1km s-min=18.7km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=44.2km s-min=11.2km az=140.3.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=7.7km az=52.0.
IDC VII 09 22 35 10.6–9.3 1.75S 101.18E 0 3.6,3.4b
¶12698106
IDC Error ellipse: s-maj=505.2km s-min=28.3km az=53.0.
DJA VII 09 22 37 30 2.10S 100.60E 8 3.5
¶12921811
ISC VII 10 02 50 54.3–.57 2.11S–.05 100.61E–.05 47–12 4.0b 18 1-144
IDC VII 10 02 50 48.3–6.2 2.68S 100.36E 0 4.2,4.1b ¶12698111
ISCJB VII 10 02 50 53.7–.56 2.13S–.05 100.63E–.05 53–10 4.0b,4.1b
DJA VII 10 02 50 53 2.13S 100.61E 13 4.2,4.1b
IDC Error ellipse: s-maj=253.2km s-min=30.7km az=58.0.
ISCJB Error ellipse: s-maj=8.2km s-min=7.6km az=157.6.
ISC VII 10 02 56 36.6–.52 2.11S–.04 100.59E–.05 44–7 3.9b,3.2s 23 1-144
IDC VII 10 02 56 29.0–2.9 2.49S 100.22E 0 4.0,3.9b ¶12698112
ISCJB VII 10 02 56 35.6–.49 2.11S–.04 100.59E–.05 53–6 3.9b,3.2s
DJA VII 10 02 56 36 2.09S 100.57E 13 4.2,3.2s
IDC Error ellipse: s-maj=154.9km s-min=17.6km az=53.0.
ISCJB Error ellipse: s-maj=8.2km s-min=6.8km az=148.4.
DJA VII 10 03 53 57 2.13S 100.64E 20 3.7
¶12921828
DJA VII 10 04 42 44 2.15S 100.51E 32 3.7
¶12921829
DJA VII 10 14 24 14 2.25S 100.70E 54 3.5
¶12921840
ISC VII 10 14 55 13.4–.42 2.30S–.06 102.34E–.07 190–6 3.3b 30 1-52
ISCJB VII 10 14 55 12.4–.42 2.31S–.06 102.32E–.07 198–6 3.1b ¶12698120
IDC VII 10 14 55 13.4–3.0 2.34S 102.35E 191–33 3.2,3.0b
DJA VII 10 14 55 14 2.30S 102.34E 166 4.0,3.0b
ISCJB Error ellipse: s-maj=13.6km s-min=5.4km az=139.7.
IDC Error ellipse: s-maj=90.9km s-min=16.6km az=56.0.
ISC VII 10 17 13 22.4–.88 2.13S–.04 100.60E–.04 9–7 3.6b 22 1-57
IDC VII 10 17 13 21.9–7.2 2.05S 101.17E 0 3.7,3.5b ¶12698122
DJA VII 10 17 13 23 2.18S 100.62E 10 4.2,3.5b
IDC Error ellipse: s-maj=375.4km s-min=23.4km az=54.0.
IDC VII 11 05 19 14.3–3.4 2.74S 101.03E 0 3.7,3.5b
¶12698129
IDC Error ellipse: s-maj=140.1km s-min=25.1km az=57.0.
ISC VII 12 20 37 48.4–1.2 2.21S–.07 100.55E–.08 35 3.4b 10 1-51
IDC VII 12 20 37 45.6–7.9 1.75S 101.22E 0 3.6,3.4b ¶12698171
ISCJB VII 12 20 37 46.6–1.2 2.27S–.07 100.50E–.08 33 3.4b,3.4b
DJA VII 12 20 37 48 2.13S 100.59E 26 3.4,3.4b
IDC Error ellipse: s-maj=421.4km s-min=28.9km az=53.0.
ISCJB Error ellipse: s-maj=12.4km s-min=9.1km az=146.5.
ISC VII 13 03 09 26.6–1.1 2.19S–.07 100.52E–.09 48–12 3.6b 14 1-145
IDC VII 13 03 09 19.3–4.2 2.41S 100.25E 0 3.8,3.6 ¶12698177
ISCJB VII 13 03 09 25.8–1.1 2.19S–.07 100.52E–.09 60–11 3.6b,3.6
DJA VII 13 03 09 25 2.17S 100.55E 14 3.7,3.6
IDC Error ellipse: s-maj=236.9km s-min=20.3km az=54.0.
ISCJB Error ellipse: s-maj=16.4km s-min=10.4km az=150.1.
ISC VII 13 04 12 28.9–.88 2.17S–.06 100.61E–.06 46–10 3.6b 24 1-144
IDC VII 13 04 12 20.9–6.4 2.62S 100.16E 0 3.7,3.6b ¶12698179
ISCJB VII 13 04 12 28.2–.81 2.19S–.07 100.59E–.06 61–9 3.6b,3.6b
DJA VII 13 04 12 28 2.07S 100.56E 10 3.9,3.6b
IDC Error ellipse: s-maj=320.5km s-min=21.3km az=53.0.
ISCJB Error ellipse: s-maj=13.2km s-min=7.5km az=37.5.
ISC VII 13 15 23 24.7–2.0 1.7S–.20 99.47E–.09 37–19 3.3b 9 1-145
IDC VII 13 15 23 23.8–5.2 0.68S 100.79E 0 3.6,3.5b ¶12698195
DJA VII 13 15 23 23 1.78S 99.53E 21 3.4,3.5b
ISCJB VII 13 15 23 24.4–1.5 1.7S–.10 99.46E–.09 53–13 3.3b,3.5b
ISC VII 13 16 43 54.8–1.5 4.6S–.10 102.0E–.10 54–12 3.8b 21 1-145
IDC VII 13 16 43 46.8–2.9 4.68S 101.77E 0 3.7,3.6b ¶11811481
NEIC VII 13 16 43 52.2–1.7 4.63S 101.85E 35 3.9b,3.6b
ISCJB VII 13 16 43 53.4–1.5 4.6S–.10 102.0E–.10 62–11 3.8b,3.6b
DJA VII 13 16 43 54 4.63S 102.03E 29 4.0,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=127.2km s-min=19.9km az=54.0.
NEIC Event type se. Error ellipse: s-maj=69.4km s-min=12.5km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=8.7km az=43.3.
ISC VII 13 17 20 47.5–1.0 3.7S–.10 100.7E–.10 35 3.7b 19 2-146
IDC VII 13 17 20 41.4–2.0 3.82S 100.49E 0 3.7,3.6b ¶11811486
ISCJB VII 13 17 20 44.6–.98 3.7S–.10 100.6E–.10 33 3.7b,3.6b
NEIC VII 13 17 20 46.5–1.4 3.85S 100.48E 35 3.9b,3.6b
DJA VII 13 17 20 47 3.11S 101.32E 174 3.8,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=72.8km s-min=18.6km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=8.8km az=143.5.
NEIC Event type se. Error ellipse: s-maj=56.9km s-min=9.2km az=55.0.
DJA VII 13 22 54 40 1.36S 99.44E 9 3.5
¶12921882
DJA VII 15 02 28 22 2.07S 100.60E 7 3.7
¶12921899
DJA VII 15 17 42 00 0.73S 100.25E 130 2.4
¶12921908
IDC VII 15 23 30 44.2–3.5 4.05S 101.09E 0 3.7,3.6b
¶12698239
IDC Error ellipse: s-maj=121.0km s-min=62.1km az=61.0.
ISC VII 18 02 48 00.3–.65 1.29S–.06 100.53E–.09 102–5 4.3b 44 1-145
ISCJB VII 18 02 47 59.1–.68 1.29S–.06 100.52E–.09 108–5 4.3b ¶11811897
IDC VII 18 02 48 00.5–2.6 1.16S 100.77E 105–22 3.7b,3.7
NEIC VII 18 02 48 01.1–1.2 1.21S 100.73E 112–10 4.5b,3.7
DJA VII 18 02 48 01 1.29S 100.54E 77 4.3,3.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=16.8km s-min=7.2km az=152.4.
IDC Error ellipse: s-maj=29.0km s-min=13.8km az=56.0.
NEIC Event type fe. Error ellipse: s-maj=17.7km s-min=8.2km az=57.0. Felt [III] at Painan.
DJA VII 18 12 02 50 2.05S 100.65E 30 3.9
¶12921941
DJA VII 19 05 14 36 2.10S 100.11E 28 3.5
¶12921951
ISC VII 19 18 16 03.5–.82 3.46S–.07 100.70E–.07 47–6 4.7b,4.1s 83 2-147
IDC VII 19 18 15 57.1–1.2 3.39S 100.67E 0 4.4,4.3 ¶11227110
BJI VII 19 18 15 57.0 3.68S 100.87E 24 5.0b,4.5b
ISCJB VII 19 18 16 01.4–.88 3.50S–.07 100.64E–.07 49–6 4.7b,4.1s
NEIC VII 19 18 16 01.6–2.0 3.48S 100.63E 37–15 4.7b,4.1s
DJA VII 19 18 16 02 3.59S 100.49E 38 4.6b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=15.1km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=4.9km az=135.4.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=8.6km az=45.0.
IDC VII 19 18 44 07.9–4.7 3.30S 100.42E 0 3.6,3.5b
¶12698328
IDC Error ellipse: s-maj=199.3km s-min=28.4km az=57.0.
ISC VII 20 04 35 27.2–2.5 2.53S–.05 99.65E–.06 8–16 4.4b,3.1s 47 1-147
ISCJB VII 20 04 35 27.6–2.2 2.54S–.06 99.65E–.07 26–15 4.4b,3.1s ¶11480061
IDC VII 20 04 35 30.4–1.0 2.47S 99.78E 28–5 4.2,4.1
BJI VII 20 04 35 30.0 1.89S 100.60E 6 4.9b,4.8b
NEIC VII 20 04 35 30.6–.37 2.41S 99.89E 27 4.6b,4.8b
DJA VII 20 04 35 30 2.54S 99.60E 66 4.7,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=6.6km az=143.0.
IDC Error ellipse: s-maj=30.4km s-min=14.7km az=53.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.5km az=54.0.
ISC VII 22 10 03 44.8–.62 3.50S–.06 100.26E–.06 28 4.3b 36 2-147
BJI VII 22 10 03 41.5 3.82S 100.95E 38 5.2b,4.7b ¶11480080
ISCJB VII 22 10 03 42.1–.62 3.55S–.06 100.17E–.06 27 4.3b,4.7b
NEIC VII 22 10 03 43.6–.68 3.59S 100.48E 26 4.5b,4.7b
IDC VII 22 10 03 44.1–1.1 3.51S 100.53E 27–4 4.0,4.0
DJA VII 22 10 03 46 3.36S 100.40E 30 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=5.6km az=136.6.
NEIC Event type se. Error ellipse: s-maj=29.1km s-min=10.2km az=55.0.
IDC Error ellipse: s-maj=35.7km s-min=17.0km az=55.0.
ISC VII 22 14 24 22.4–.80 3.12S–.06 101.08E–.08 65–7 4.1b 34 1-145
IDC VII 22 14 24 13.5–1.8 3.20S 101.01E 0 4.0,4.0 ¶11812362
NEIC VII 22 14 24 18.2–.87 3.35S 100.93E 35 4.4b,4.0
ISCJB VII 22 14 24 21.0–.84 3.13S–.06 101.06E–.08 73–7 4.1b,4.0
DJA VII 22 14 24 21 3.13S 101.09E 21 4.1,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=70.9km s-min=18.7km az=59.0.
NEIC Event type fe. Error ellipse: s-maj=36.9km s-min=9.7km az=59.0. Felt [II] at Ipuh, Sumatra.
ISCJB Event type fe. Error ellipse: s-maj=15.9km s-min=4.8km az=141.9.
ISC VII 22 23 44 03.7–.60 2.89S–.05 100.96E–.05 66–5 4.0b 48 1-145
IDC VII 22 23 43 55.0–1.2 3.01S 100.78E 0 4.1,4.0 ¶11812408
NEIC VII 22 23 44 00.0–.28 2.95S 100.90E 35 4.2b,4.0
ISCJB VII 22 23 44 02.6–.61 2.90S–.05 100.95E–.05 75–5 4.0b,4.0
DJA VII 22 23 44 04 2.87S 101.00E 40 4.0,4.0
ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=18.6km az=56.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.3km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=4.8km az=141.5.
ISC VII 24 13 21 49.6–.49 3.55S–.04 101.51E–.04 68–4 4.8b 158 1-146
BJI VII 24 13 21 47.7 3.76S 101.68E 90 5.0b,4.9b ¶11153676
ISCJB VII 24 13 21 48.2–.52 3.53S–.04 101.51E–.04 71–4 4.8b,4.9b
MOS VII 24 13 21 49.1–1.1 3.28S 101.76E 72 5.1b,4.9b
DJA VII 24 13 21 50 3.55S 101.48E 47 4.9,4.9b
NEIC VII 24 13 21 50.5–1.1 3.45S 101.66E 75–8 5.1b,4.9b
IDC VII 24 13 21 51.2–2.9 3.35S 101.77E 78–24 4.4,4.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.2km s-min=3.4km az=42.8.
MOS Error ellipse: s-maj=17.7km s-min=7.4km az=108.5.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=4.9km az=46.0. Felt [II] at Argamakmur, Bengkulu and Lais.

IDC Error ellipse: s-maj=22.3km s-min=11.5km az=48.0.
ISC VII 24 21 57 36.4–.76 1.87S–.05 99.69E–.06 45–7 4.2b 46 1-145
IDC VII 24 21 57 30.4–1.3 1.82S 99.83E 0 4.1,4.1b ¶11812547
DJA VII 24 21 57 34 1.96S 99.61E 27 4.4,4.1b
ISCJB VII 24 21 57 35.4–.76 1.85S–.05 99.70E–.06 56–6 4.2b,4.1b
NEIC VII 24 21 57 36.5–1.3 1.80S 99.85E 45–11 4.4b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=47.4km s-min=18.4km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.8km az=142.8.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.5km az=64.0.
DJA VII 26 14 44 31 1.80S 99.40E 5 3.7
¶12922048
ISC VII 27 12 20 13.6–1.4 3.8S–.10 101.0E–.10 40–9 4.2b 33 2-147
IDC VII 27 12 20 07.6–1.6 3.92S 100.93E 0 4.2,4.1 ¶11480154
BJI VII 27 12 20 09.9 4.00S 100.80E 35 5.1b,4.5b
NEIC VII 27 12 20 11.9–.66 4.04S 100.81E 35 4.4b,4.5b
ISCJB VII 27 12 20 12.3–1.4 3.8S–.10 101.0E–.10 49–9 4.2b,4.5b
DJA VII 27 12 20 17 3.46S 101.35E 73 4.1,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=56.3km s-min=14.4km az=57.0.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=7.5km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=25.4km s-min=6.4km az=140.8.
DJA VII 27 22 34 03 4.30S 102.58E 27 3.5
¶12922060
ISC VII 28 07 10 03.6–.37 1.10S–.03 99.74E–.03 74–3 5.0b 383 1-159
BJI VII 28 07 09 56.5 1.94S 99.84E 90 5.1b,4.9s ¶11153857
MOS VII 28 07 09 59.8–.99 1.06S 99.82E 55 5.4b,4.4s
ISCJB VII 28 07 10 01.6–.37 1.13S–.03 99.69E–.03 72–3 5.0b,4.4s
IDC VII 28 07 10 02.0–1.3 1.05S 99.85E 63–10 4.6,4.6
DJA VII 28 07 10 02.5–.30 1S–3.0 100E–4.0 61–3 5.9b,5.8
GCMT VII 28 07 10 03.5–.20 1.07S 99.65E 71–1 5.3W,5.8
NEIC VII 28 07 10 04.6–.90 1.07S 99.79E 84–7 5.1b,5.8
SZGRF VII 28 07 10 04.5 0.48S 98.61E 33 5.3b,4.5s
TEH VII 28 07 10 05.0 1.10S 99.77E 95 5.3b,4.5s
ISC Event type fe.
MOS Error ellipse: s-maj=9.9km s-min=4.9km az=117.3.
ISCJB Event type fe. Error ellipse: s-maj=5.2km s-min=3.4km az=137.0.
IDC Error ellipse: s-maj=15.5km s-min=8.4km az=62.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s67,c104; s77,c130;
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00
Best double couple: NP1:ϕ_s84.00000°,δ55.00000°,λ-175.00000°. NP2:ϕ_s351.00000°
,δ86.00000°,λ-35.00000°. Principal axes: T 0.9600,Plg21.0000°,Azm43.0000°
; N 0.1500,Plg54.0000°,Azm165.0000°; P -1.1100,Plg27.0000°,Azm302.0000°
M_o1.00000×10^{17}
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=4.2km az=48.0. Felt [IV] at Padang and [II] at Padangpanjang, Sumatra. Also felt at Bukittinggi and Pariaman.
SZGRF Southern Sumatera, Indonesia.
DJA VII 28 07 46 14 1.89S 100.43E 26 3.5
¶12922073
ISC VII 28 12 35 07.3–1.1 4.27S–.08 102.12E–.09 58–9 4.1b 33 1-145
IDC VII 28 12 34 59.1–1.2 4.38S 101.92E 0 4.1b,4.1 ¶11812778
NEIC VII 28 12 35 04.7–.70 4.26S 102.10E 35 4.3b,4.1
ISCJB VII 28 12 35 06.1–1.1 4.30S–.09 102.11E–.09 67–8 4.0b,4.1
DJA VII 28 12 35 07 4.28S 102.17E 33 4.2,4.1
ISC Event type se.
IDC Error ellipse: s-maj=51.4km s-min=16.3km az=54.0.
NEIC Event type se. Error ellipse: s-maj=35.1km s-min=8.7km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=6.0km az=135.3.
DJA VII 29 09 34 19 1.42S 100.42E 32 3.7
¶12922100
DJA VII 29 11 30 43 3.31S 102.08E 84 3.6
¶12922102
ISC VIII 02 08 42 38.9–.55 2.4S–.10 102.0E–.10 152–8 3.7b 15 2-58
IDC VIII 02 08 42 22.9–6.6 1.99S 102.27E 0 3.9b,3.9 ¶12580897
ISCJB VIII 02 08 42 37.8–.55 2.4S–.10 101.9E–.10 160–7 3.7b,3.9
DJA VIII 02 08 42 39 2.51S 101.90E 132 4.1,3.9
IDC Error ellipse: s-maj=404.5km s-min=24.1km az=56.0.
ISCJB Error ellipse: s-maj=24.5km s-min=6.8km az=138.7.
ISC VIII 03 00 12 41.4–1.7 3.7S–.10 100.8E–.10 49–15 3.8b 15 2-146
IDC VIII 03 00 12 34.6–4.6 3.78S 100.57E 0 3.7b,3.7 ¶12580905
ISCJB VIII 03 00 12 40.0–1.8 3.8S–.10 100.8E–.10 60–15 3.8b,3.7
DJA VIII 03 00 12 42 3.65S 100.97E 76 3.8,3.7
IDC Error ellipse: s-maj=145.6km s-min=72.1km az=48.0.
ISCJB Error ellipse: s-maj=25.0km s-min=8.6km az=139.3.
IDC VIII 05 18 18 35.0–3.1 2.35S 100.23E 0 3.6,3.4b
¶12580934
IDC Error ellipse: s-maj=132.0km s-min=26.2km az=61.0.
ISC VIII 07 03 17 02.5–1.1 3.4S–.10 101.6E–.10 10 3.9b 13 1-145
IDC VIII 07 03 16 58.7–4.9 3.84S 101.65E 0 4.0b,4.0 ¶12580952
ISCJB VIII 07 03 17 00.7–1.2 3.5S–.10 101.5E–.10 10 3.9b,4.0
DJA VIII 07 03 17 06 3.30S 101.78E 61 4.2,4.0
IDC Error ellipse: s-maj=210.0km s-min=21.3km az=56.0.
ISCJB Error ellipse: s-maj=23.4km s-min=7.4km az=41.0.
ISC VIII 07 20 33 35.1–.62 2.4S–.10 102.3E–.10 193–8 3.2b 12 2-58
IDC VIII 07 20 33 12.9–4.0 2.43S 101.95E 0 3.7,3.7 ¶12580970
ISCJB VIII 07 20 33 34.0–.62 2.4S–.10 102.3E–.10 201–8 3.2b,3.7
DJA VIII 07 20 33 37 2.25S 102.44E 9 3.8,3.7
IDC Error ellipse: s-maj=179.0km s-min=26.9km az=57.0.
ISCJB Error ellipse: s-maj=28.4km s-min=8.8km az=142.1.
ISC VIII 08 07 32 52.5–.22 3.99S–.03 100.88E–.03 30 5.2b,5.0s 291 2-150
IDC VIII 08 07 32 47.8–.54 3.89S 101.00E 0 4.8,4.8b ¶11159986
ISCJB VIII 08 07 32 50.3–.22 3.99S–.03 100.85E–.03 28 5.2b,5.0s
BJI VIII 08 07 32 50.7 4.36S 100.92E 63 5.5b,5.4s
DJA VIII 08 07 32 50 4.10S 100.61E 21 5.4b,5.4s
MOS VIII 08 07 32 51.2–1.0 3.83S 101.01E 33 5.5b,5.2s
NEIC VIII 08 07 32 53.4–1.2 3.91S 100.99E 36–10 5.2b,5.2s
GCMT VIII 08 07 32 55.0–.20 4.32S 100.50E 31–1 5.3W,5.2s
ISC Event type fe.
IDC Error ellipse: s-maj=17.4km s-min=13.1km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.9km az=41.1.
MOS Error ellipse: s-maj=12.0km s-min=6.0km az=106.7.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=5.6km az=45.0. Felt [II] at Bengkulu, Sumatra.
GCMT Event type se. Data Used: IU IC II CN G. Moment Tensor Solution. s56,c82; s60,c89;
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00
Best double couple: NP1:ϕ_s327.00000°,δ23.00000°,λ101.00000°. NP2:ϕ_s135.00000°
,δ68.00000°,λ85.00000°. Principal axes: T 0.9600,Plg67.0000°,Azm36.0000°
; N 0.0800,Plg4.0000°,Azm136.0000°; P -1.0400,Plg23.0000°,Azm228.0000°
M_o1.00000×10^{17}
ISC VIII 08 07 57 46.2–.45 4.68S–.04 102.73E–.04 70–3 4.8b 140 0-151
IDC VIII 08 07 57 37.4–.73 4.53S 102.69E 0 4.7b,4.7 ¶11159987
MOS VIII 08 07 57 39.1–1.1 4.52S 102.65E 22 5.0b,4.7
BJI VIII 08 07 57 40.2 4.60S 102.70E 35 5.2b,4.9b
NEIC VIII 08 07 57 42.6–.25 4.56S 102.70E 35 4.9b,4.9b
ISCJB VIII 08 07 57 44.8–.49 4.69S–.05 102.71E–.04 77–3 4.8b,4.9b
DJA VIII 08 07 57 46 4.63S 102.76E 50 5.0,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=28.7km s-min=13.1km az=49.0.
MOS Error ellipse: s-maj=13.9km s-min=7.5km az=110.4.
NEIC Event type fe. Error ellipse: s-maj=9.3km s-min=5.5km az=58.0. Felt [III] at Manna.
ISCJB Event type fe. Error ellipse: s-maj=9.5km s-min=3.7km az=40.8.
ISC VIII 09 04 09 55.8–1.6 1.8S–.30 99.3E–.30 35 3.9b,3.4s 10 40-145
IDC VIII 09 04 09 50.7–2.3 1.85S 99.31E 0 3.8,3.8 ¶11907978
ISCJB VIII 09 04 09 53.3–1.6 1.8S–.30 99.2E–.30 33 3.9b,3.4s
NEIC VIII 09 04 09 54.9–1.8 1.96S 99.08E 35 4.1b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=81.7km s-min=27.7km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=52.8km s-min=21.1km az=140.6.
NEIC Event type se. Error ellipse: s-maj=85.3km s-min=19.7km az=53.0.
ISC VIII 09 21 30 45.9–1.4 5.89S–.09 103.89E–.08 67–10 3.6b 19 1-145
IDC VIII 09 21 30 36.2–2.8 6.14S 103.52E 0 3.8,3.7b ¶12580998
ISCJB VIII 09 21 30 45.2–1.3 5.9S–.10 103.90E–.09 79–9 3.6b,3.7b
DJA VIII 09 21 30 46 5.78S 103.94E 79 3.3,3.7b
IDC Error ellipse: s-maj=62.6km s-min=51.7km az=176.0.
ISCJB Error ellipse: s-maj=18.9km s-min=11.1km az=35.7.
ISC VIII 15 20 58 52.9–1.4 2.15S–.08 99.39E–.07 36–15 3.5b 16 1-57
ISCJB VIII 15 20 58 51.9–1.3 2.15S–.09 99.38E–.07 49–13 3.5b ¶12581113
DJA VIII 15 20 58 53 2.06S 99.37E 51 3.2
IDC VIII 15 20 58 54.9–3.8 0.75S 101.43E 0 3.6,3.5b
ISCJB Error ellipse: s-maj=16.1km s-min=9.6km az=34.2.
IDC Error ellipse: s-maj=169.5km s-min=24.2km az=57.0.
DJA VIII 16 11 07 35 2.27S 100.53E 15 4.0
¶12922298
ISC VIII 17 04 09 54.8–.74 5.12S–.06 102.35E–.05 49–6 4.5b 78 1-148
IDC VIII 17 04 09 47.9–.92 5.12S 102.25E 0 4.4,4.3 ¶11377620
ISCJB VIII 17 04 09 52.4–.87 5.18S–.06 102.29E–.06 49–7 4.5b,4.3
NEIC VIII 17 04 09 53.1–.51 5.03S 102.40E 35 4.5b,4.3
DJA VIII 17 04 09 54 5.08S 102.43E 26 4.7,4.3
ISC Event type se.
IDC Error ellipse: s-maj=43.2km s-min=12.6km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=4.1km az=43.8.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=6.9km az=49.0.
DJA VIII 17 08 19 46 4.94S 103.02E 51 3.7
¶12922308
DJA VIII 17 11 34 06 5.17S 102.27E 49 3.7
¶12922310
ISC VIII 19 18 00 36.9–.98 5.17S–.09 102.29E–.09 49–9 4.0b 36 1-146
IDC VIII 19 18 00 30.6–.79 5.13S 102.25E 0 4.1,4.0b ¶11908446
ISCJB VIII 19 18 00 34.7–1.2 5.24S–.09 102.21E–.09 50–10 4.0b,4.0b
DJA VIII 19 18 00 35 5.27S 102.23E 25 4.5,4.0b
NEIC VIII 19 18 00 39.8–2.4 5.07S 102.29E 75–21 4.1b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=15.6km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=5.9km az=43.9.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=11.4km az=58.0.
ISC VIII 21 22 15 59.3–5.1 4.75S–.09 101.88E–.10 27–39 3.8b 17 9-146
IDC VIII 21 22 15 55.6–1.7 4.72S 101.83E 0 3.8,3.7b ¶11908557
ISCJB VIII 21 22 15 57.2–5.1 4.78S–.09 101.83E–.10 28–39 3.8b,3.7b
NEIC VIII 21 22 15 59.2–3.3 4.74S 101.87E 27–25 3.9b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=74.3km s-min=20.9km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=14.1km az=148.3.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.2km az=60.0.
ISC VIII 22 07 21 25.8–.19 5.75S–.03 102.92E–.02 44 5.1b,4.5s 325 1-151
NEIC VIII 22 07 21 22.6–2.4 5.63S 103.04E 18–14 5.2b,4.5s ¶11184392
ISCJB VIII 22 07 21 23.5–.20 5.78S–.03 102.90E–.02 42 5.1b,4.5s
MOS VIII 22 07 21 24.4–1.0 5.28S 103.27E 33 5.2b,4.5s
DJA VIII 22 07 21 25 5.78S 102.87E 42 5.5W,4.5s
IDC VIII 22 07 21 26.1–.48 5.59S 103.08E 44–3 4.7,4.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.2km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.3km az=29.5.
MOS Error ellipse: s-maj=13.1km s-min=6.0km az=113.4.
IDC Error ellipse: s-maj=19.1km s-min=9.7km az=59.0.
IDC VIII 23 02 52 09.6–3.8 3.56S 102.39E 0 3.6,3.5
¶12581307
IDC Error ellipse: s-maj=161.1km s-min=23.7km az=57.0.
ISC VIII 23 07 35 58.4–1.3 4.14S–.09 102.7E–.10 24–8 3.8b 18 0-87
IDC VIII 23 07 35 53.7–1.3 4.29S 102.41E 0 4.0,3.9b ¶12581313
ISCJB VIII 23 07 35 57.6–1.3 4.16S–.10 102.63E–.10 32–7 3.8b,3.9b
DJA VIII 23 07 35 59 4.11S 102.80E 10 4.0,3.9b
IDC Error ellipse: s-maj=74.9km s-min=17.8km az=52.0.
ISCJB Error ellipse: s-maj=22.1km s-min=7.2km az=136.3.
ISC VIII 23 08 11 40.9–2.0 5.1S–.10 102.4E–.10 57–17 3.7b 18 1-146
IDC VIII 23 08 11 32.7–3.6 5.15S 102.13E 0 3.8,3.7 ¶12581314
ISCJB VIII 23 08 11 41.6–2.2 5.0S–.20 102.6E–.20 77–15 3.6b,3.7
DJA VIII 23 08 11 42 5.13S 102.56E 33 4.0,3.7
IDC Error ellipse: s-maj=165.5km s-min=20.7km az=55.0.
ISCJB Error ellipse: s-maj=39.5km s-min=8.8km az=137.2.
DJA VIII 25 01 32 46 1.88S 100.27E 32 3.5
¶12922394
DJA VIII 25 15 33 40 5.81S 104.09E 2 4.1
¶12922397
ISC VIII 27 07 45 27.6–.82 2.17S–.06 99.82E–.06 59–7 4.1b 28 1-145
IDC VIII 27 07 45 19.9–1.9 2.25S 99.83E 0 4.1,4.0b ¶11908906
NEIC VIII 27 07 45 25.2–.77 2.14S 99.95E 35 4.0b,4.0b
ISCJB VIII 27 07 45 26.4–.82 2.20S–.06 99.81E–.06 68–7 4.1b,4.0b
DJA VIII 27 07 45 27 2.08S 99.89E 10 4.1,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=81.8km s-min=18.6km az=57.0.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=8.7km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=7.4km az=135.4.
ISC VIII 27 10 54 37.1–.71 1.90S–.06 99.67E–.05 76–6 4.0b 32 1-146
NEIC VIII 27 10 54 32.4–1.2 2.20S 99.77E 35 3.9b ¶11908921
ISCJB VIII 27 10 54 34.1–.88 2.03S–.07 99.71E–.06 73–7 4.0b
IDC VIII 27 10 54 35.5–1.5 1.86S 100.14E 48–7 3.9,3.8
DJA VIII 27 10 54 37 1.83S 99.79E 20 4.2,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=37.0km s-min=12.9km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=8.7km az=26.1.
IDC Error ellipse: s-maj=53.0km s-min=13.7km az=57.0.
DJA VIII 28 04 34 57 0.20S 99.61E 78 3.6
¶12922436
ISC VIII 28 21 16 42.0–.39 0.88S–.04 101.02E–.07 129–3 3.9b 62 0-146
IDC VIII 28 21 16 41.3–1.6 0.79S 101.27E 117–14 3.7b,3.7 ¶11909028
NEIC VIII 28 21 16 42.5–.76 0.79S 101.26E 132–7 4.0b,3.7
DJA VIII 28 21 16 42 1.06S 100.74E 68 4.2,3.7
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=9.4km az=59.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.4km az=61.0.
ISC VIII 28 22 39 39.9–1.4 1.52S–.10 102.33E–.08 64–16 3.8b 24 1-56
IDC VIII 28 22 39 32.8–2.1 1.31S 102.62E 0 3.9,3.8b ¶12581522
ISCJB VIII 28 22 39 38.9–1.3 1.48S–.10 102.34E–.08 76–15 3.8b,3.8b
DJA VIII 28 22 39 44 1.26S 101.51E 176 3.9,3.8b
IDC Error ellipse: s-maj=131.9km s-min=18.0km az=51.0.
ISCJB Error ellipse: s-maj=16.9km s-min=12.0km az=159.0.
DJA VIII 29 12 42 32 2.13S 100.75E 14 3.7
¶12922455
ISC VIII 29 19 34 36.7–.19 3.56S–.03 101.52E–.02 56 4.9b,3.9s 322 1-145
MOS VIII 29 19 34 32.5–1.0 3.32S 101.80E 33 5.2b,3.9s ¶11223896
BJI VIII 29 19 34 34.8 3.50S 101.60E 50 4.9b,4.8b
ISCJB VIII 29 19 34 34.7–.19 3.58S–.03 101.49E–.03 54 4.9b,3.9s
NEIC VIII 29 19 34 35.8–.22 3.50S 101.63E 50 4.9b,3.9s
IDC VIII 29 19 34 36.3–.63 3.43S 101.81E 53–5 4.5,4.5
DJA VIII 29 19 34 37 3.57S 101.51E 52 4.9b,4.5
ISC Event type fe.
MOS Error ellipse: s-maj=11.0km s-min=5.4km az=113.5.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.4km az=40.8.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=5.0km az=55.0. Felt [III] at Bengkulu, Kapahiang and Lais.
IDC Error ellipse: s-maj=15.7km s-min=8.8km az=47.0.
ISC VIII 29 23 08 20.2–2.2 2.29S–.08 99.38E–.08 21–14 3.9b 18 1-145
IDC VIII 29 23 08 18.4–2.9 2.05S 99.75E 0 3.9,3.8 ¶11909095
NEIC VIII 29 23 08 22.9–1.2 2.13S 99.60E 35 4.0b,3.8
DJA VIII 29 23 08 22 2.20S 99.37E 38 3.5,3.8
ISC Event type se.
IDC Error ellipse: s-maj=121.6km s-min=20.1km az=58.0.
NEIC Event type se. Error ellipse: s-maj=50.0km s-min=12.1km az=55.0.
IDC VIII 31 03 04 10.7–4.3 4.72S 102.31E 0 3.7,3.6
¶12581586
IDC Error ellipse: s-maj=186.8km s-min=22.2km az=54.0.
ISC VIII 31 14 36 05.9–1.7 2.54S–.04 99.65E–.04 26–12 4.5b,3.9s 53 1-147

BJI VIII 31 14 35 59.2 3.23S 99.80E 31 5.0b,4.8b **¶11227325**
IDC VIII 31 14 36 03.1–1.8 2.37S 99.98E 0 4.3,4.2
NEIC VIII 31 14 36 07.4–3.9 2.38S 99.92E 32–24 4.6b,4.2
DJA VIII 31 14 36 07 2.48S 99.74E 27 4.4,4.2
ISC Event type se.
IDC Error ellipse: s-maj=61.6km s-min=16.3km az=61.0.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=7.3km az=56.0.
ISC VIII 31 15 41 44.8–.45 2.58S–.09 102.1E–.10 163–6 3.3b 28 1-144
ISCJB VIII 31 15 41 43.8–.45 2.58S–.09 102.1E–.10 169–5 3.3b **¶12581600**
IDC VIII 31 15 41 45.3–3.1 2.62S 101.93E 167–23 3.2,3.0b
DJA VIII 31 15 41 47 2.69S 102.03E 68 3.9,3.0b
ISCJB Error ellipse: s-maj=22.5km s-min=5.1km az=140.2.
IDC Error ellipse: s-maj=109.1km s-min=17.0km az=56.0.
ISC IX 02 00 06 50.8–.23 4.53S–.03 101.43E–.03 34 5.0b,4.3s 270 1-149
BJI IX 02 00 06 40.9 5.32S 101.58E 24 5.0b,5.0b **¶11226745**
IDC IX 02 00 06 45.2–.54 4.44S 101.52E 0 4.8,4.8b
ISCJB IX 02 00 06 48.5–.23 4.53S–.03 101.44E–.03 31 5.0b,4.3s
MOS IX 02 00 06 49.1–.88 4.38S 101.55E 33 5.2b,4.3s
NEIC IX 02 00 06 49.4–2.3 4.48S 101.46E 24–15 5.0b,4.3s
DJA IX 02 00 06 49 4.74S 101.13E 40 5.2b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=11.1km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.0km az=36.5.
MOS Error ellipse: s-maj=12.2km s-min=5.8km az=109.8.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.9km az=46.0.
DJA IX 02 07 25 41 3.17S 103.80E 10 3.6
¶12922496
IDC IX 02 19 26 19.2–11 2.81S 102.17E 181–106 3.3,3.2b
¶11909304
IDC Error ellipse: s-maj=124.5km s-min=14.3km az=59.0.
ISC IX 03 04 16 52.9–2.4 3.34S–.06 100.48E–.09 32–17 4.4b 53 2-147
IDC IX 03 04 16 47.3–1.2 3.39S 100.36E 0 4.3,4.2b **¶11909344**
ISCJB IX 03 04 16 51.3–1.1 3.37S–.07 100.45E–.10 39–9 4.4b,4.2b
NEIC IX 03 04 16 52.9–.78 3.32S 100.47E 35 4.6b,4.2b
DJA IX 03 04 16 52 3.36S 100.36E 104 4.4,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=46.7km s-min=15.0km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=5.9km az=145.1.
NEIC Event type se. Error ellipse: s-maj=36.0km s-min=8.8km az=53.0.
ISC IX 04 02 03 28.1–.94 2.63S–.09 101.0E–.10 73–7 4.1b 26 1-145
IDC IX 04 02 03 18.4–1.3 2.70S 100.94E 0 4.3,4.2b **¶11909426**
DJA IX 04 02 03 26 2.68S 100.89E 16 4.3,4.2b
ISCJB IX 04 02 03 27.2–.92 2.61S–.09 101.1E–.10 82–7 4.1b,4.2b
NEIC IX 04 02 03 29.7–2.7 2.63S 101.13E 89–20 4.3b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=69.4km s-min=14.8km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=21.8km s-min=7.9km az=140.9.
NEIC Event type se. Error ellipse: s-maj=42.5km s-min=7.6km az=52.0.
ISC IX 05 10 47 15.9–2.7 5.0S–.20 102.0E–.20 43–19 3.7b 13 1-146
IDC IX 05 10 47 10.3–2.9 4.95S 102.10E 0 3.7,3.6b **¶11909519**
ISCJB IX 05 10 47 13.9–3.0 5.0S–.20 101.9E–.20 47–20 3.7b,3.6b
DJA IX 05 10 47 14 5.03S 101.89E 27 4.1,3.6b
IDC Error ellipse: s-maj=107.7km s-min=21.6km az=62.0.
ISCJB Error ellipse: s-maj=43.7km s-min=13.2km az=44.2.
ISC IX 05 18 38 51.9–.93 0.46S–.05 98.17E–.06 49–8 4.5b,4.0s 96 1-145
IDC IX 05 18 38 46.0–.96 0.39S 98.33E 0 4.6L,4.4 **¶11232764**
ISCJB IX 05 18 38 50.0–.96 0.46S–.05 98.15E–.06 50–8 4.5b,4.0s
DJA IX 05 18 38 52 0.45S 98.32E 22 4.5,4.0s
BJI IX 05 18 38 52.7 0.66S 98.17E 92 4.8b,4.8b
NEIC IX 05 18 38 54.6–2.1 0.31S 98.37E 66–16 4.6b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=14.0km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.9km az=151.3.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=9.9km az=224.0.
DJA IX 05 21 26 36 1.70S 99.65E 24 3.5
¶12922521
ISC IX 06 14 17 19.5–2.9 1.90S–.06 99.68E–.07 17–18 3.9b 28 1-145
IDC IX 06 14 17 21.9–1.1 1.88S 99.66E 34–5 3.7,3.6b **¶11909609**
NEIC IX 06 14 17 21.4–.59 1.91S 99.59E 35 4.1b,3.6b
DJA IX 06 14 17 22 1.71S 99.70E 5 4.3,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=44.7km s-min=12.3km az=55.0.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=9.2km az=62.0.
ISC IX 06 23 28 32.9–1.0 5.5S–.60 105.0E–.20 124–36 3.5b 9 1-43
ISCJB IX 06 23 28 31.9–.98 5.5S–.50 105.0E–.20 129–30 3.5b **¶11909652**
IDC IX 06 23 28 32.0–4.5 6.95S 105.73E 0 3.9,3.7
DJA IX 06 23 28 33 5.48S 105.04E 104 3.5,3.7
ISCJB Error ellipse: s-maj=87.5km s-min=33.0km az=9.5.
IDC Error ellipse: s-maj=195.8km s-min=26.1km az=54.0.
DJA IX 08 07 33 58 1.46S 100.82E 7 3.5
¶12922541
ISC IX 08 10 43 28.7–.18 2.28S–.02 100.40E–.02 58 5.0b,4.4s 317 1-178
MOS IX 08 10 43 24.3–1.0 2.13S 100.56E 33 5.3b,4.4s **¶11245863**
BJI IX 08 10 43 24.4 2.67S 100.60E 65 4.9b,4.9b
ISCJB IX 08 10 43 26.5–.18 2.31S–.02 100.36E–.02 56 5.0b,4.4s
DJA IX 08 10 43 27 2.33S 100.24E 52 5.4W,4.4s
IDC IX 08 10 43 27.6–.59 2.21S 100.58E 51–4 4.7,4.6
NEIC IX 08 10 43 29.8–1.1 2.22S 100.51E 67–8 5.1b,4.6
GCMT IX 08 10 43 29.6–.30 2.42S 100.14E 37–0 5.1W,4.6
TEH IX 08 10 43 30.0 2.22S 100.45E 66 5.1W,4.6
ISC Event type fe.
MOS Error ellipse: s-maj=13.1km s-min=5.8km az=109.2.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.4km az=135.6.
IDC Error ellipse: s-maj=16.3km s-min=7.3km az=54.0.
NEIC Event type fe. Error ellipse: s-maj=9.5km s-min=4.5km az=55.0. Felt [III] at Padang and Pesisir Selatan, Sumatra.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s45,c66; s57,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.90±.19 $M_{\theta\theta}$2.90±.13; $M_{\phi\phi}$1.01±.19; $M_{r\theta}$-1.57±.14; $M_{\theta\phi}$-2.98±.10; $M_{\theta r}$-0.47±.20; Best double couple: NP1:ϕ_s327.00000°,δ43.00000°,λ-58.00000°. NP2:ϕ_s107.00000°,δ55.00000°,λ-116.00000°. Principal axes: T 5.1900,Plg6.0000° ,Azm215.0000°; N -0.6700,Plg21.0000°,Azm122.0000°; P -4.5100,Plg68.0000° ,Azm321.0000° $M_0$4.90000×10^{16}
DJA IX 09 01 41 59 4.02S 103.08E 8 3.8
¶12922551
ISC IX 09 03 07 29.6–.11 3.90S–.02 102.93E–.02 35 5.3b,4.9s 732 0-176
IDC IX 09 03 07 24.0–.31 3.73S 103.29E 0 5.2,5.2 **¶11255563**
ISCJB IX 09 03 07 27.8–.11 3.88S–.02 102.95E–.02 33 5.3b,4.9s
NEIC IX 09 03 07 27.5–.94 3.94S 103.06E 25–6 5.4b,4.9s
GCMT IX 09 03 07 27.8–.30 3.99S 103.15E 12–1 5.2W,4.9s
MOS IX 09 03 07 27.8–1.0 3.68S 103.18E 33 5.5b,4.8s
BJI IX 09 03 07 28.5 3.90S 103.10E 45 5.3s,5.2
TEH IX 09 03 07 30.0 3.87S 103.07E 39 5.3s,5.2
DJA IX 09 03 07 32 3.98S 103.01E 36 5.6W,5.2
SZGRF IX 09 03 07 37.5 3.63S 100.37E 33 5.2b,5.0s
ISC Event type de.
IDC Error ellipse: s-maj=14.4km s-min=9.4km az=52.0.
ISCJB Event type de. Error ellipse: s-maj=3.4km s-min=2.1km az=37.7.
NEIC Event type de. Error ellipse: s-maj=5.6km s-min=4.5km az=48.0. Two people killed and 113 homes severely damaged [VI] at Lahat. Several buildings also damaged at Jarai. Felt [IV] at Kapahiang and Pagaralam and [III] at Bengkulu.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s29,c41; s66,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}6.16±.43 $M_{\theta\theta}$-8.34±.28; $M_{\phi\phi}$2.18±.32; $M_{r\theta}$-0.91±.61; $M_{\theta\phi}$1.99±.19; $M_{\theta r}$-2.12±.88; Best double couple: NP1:ϕ_s124.00000°,δ48.00000°,λ125.00000°. NP2:ϕ_s257.00000°,δ52.00000°,λ57.00000°. Principal axes: T 7.2500,Plg64.0000° ,Azm104.0000°; N 1.4700,Plg25.0000°,Azm279.0000°; P -8.7200,Plg2.0000°,Azm10.0000° $M_0$8.00000×10^{16}
MOS Error ellipse: s-maj=8.5km s-min=4.5km az=122.9.
SZGRF Southern Sumatera, Indonesia.
ISC IX 09 03 52 38.5–.48 3.98S–.06 103.01E–.06 43–6 4.1b 34 0-144
IDC IX 09 03 52 32.5–1.1 3.73S 103.19E 0 4.1,4.0b **¶11909860**
ISCJB IX 09 03 52 37.7–.47 3.98S–.06 103.00E–.06 52–5 4.1b,4.0b
DJA IX 09 03 52 37 4.03S 103.13E 6 4.4,4.0b
NEIC IX 09 03 52 37.9–.69 3.70S 103.27E 35 4.0b,4.0b
ISC Event type fe.
IDC Error ellipse: s-maj=63.8km s-min=16.1km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=13.9km s-min=5.8km az=44.5.
NEIC Event type fe. Error ellipse: s-maj=37.6km s-min=10.0km az=53.0. Felt [II] at Tebingtinggi.
ISC IX 09 05 21 33.2–.77 3.97S–.06 102.90E–.06 25–7 3.9b 30 0-144
IDC IX 09 05 21 28.2–1.2 4.21S 102.74E 0 4.1,3.9b **¶11909862**
ISCJB IX 09 05 21 32.7–.68 4.00S–.07 102.84E–.06 40–7 3.9b,3.9b
DJA IX 09 05 21 34 4.12S 103.01E 10 4.3,3.9b
IDC Error ellipse: s-maj=60.1km s-min=15.7km az=53.0.
ISCJB Error ellipse: s-maj=14.0km s-min=6.6km az=41.6.
IDC IX 10 18 30 15.7–2.5 3.85S 100.21E 0 3.8,3.7
¶11909978
IDC Error ellipse: s-maj=105.5km s-min=18.9km az=55.0.
IDC IX 10 18 49 03.1–6.1 3.26S 101.10E 0 3.4,3.3b
¶11909983
IDC Error ellipse: s-maj=227.1km s-min=28.4km az=61.0.
DJA IX 10 22 25 44 4.67S 101.78E 64 3.6
¶12922567
ISC IX 12 18 53 55.3–1.2 3.9S–.10 101.9E–.10 73–9 3.7b 17 1-145
IDC IX 12 18 53 44.8–4.2 4.01S 101.51E 0 3.7,3.6b **¶11910119**
ISCJB IX 12 18 53 54.0–1.3 3.9S–.10 101.9E–.20 81–9 3.7b,3.6b
DJA IX 12 18 53 55 3.88S 101.88E 29 3.8,3.6b
IDC Error ellipse: s-maj=184.5km s-min=21.2km az=54.0.
ISCJB Error ellipse: s-maj=33.0km s-min=6.7km az=137.9.
ISC IX 12 21 59 10.0–1.0 2.19S–.09 100.53E–.08 49–9 3.6b 27 1-145
IDC IX 12 21 59 03.1–3.1 2.24S 100.49E 0 3.7,3.6 **¶11910136**
ISCJB IX 12 21 59 08.9–1.0 2.17S–.08 100.55E–.08 59–8 3.6b,3.6
DJA IX 12 21 59 09 2.14S 100.55E 13 4.3,3.6
NEIC IX 12 21 59 09.1–2.7 2.14S 100.62E 40–19 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=135.1km s-min=19.8km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=8.2km az=42.7.
NEIC Event type se. Error ellipse: s-maj=59.3km s-min=12.4km az=55.0.
ISC IX 13 02 08 04.3–.99 2.21S–.06 100.57E–.09 35 3.3b 11 1-145
DJA IX 13 02 08 01 2.34S 100.67E 35 3.7 **¶11910150**
ISCJB IX 13 02 08 02.8–1.0 2.26S–.06 100.58E–.09 33 3.3b
IDC IX 13 02 08 04.9–5.7 0.86S 102.25E 0 3.5,3.3b
ISCJB Error ellipse: s-maj=13.3km s-min=8.9km az=169.4.
IDC Error ellipse: s-maj=324.9km s-min=27.0km az=53.0.
ISC IX 13 14 26 08.2–.58 3.98S–.06 102.97E–.07 42–6 4.1b 49 0-145
IDC IX 13 14 26 02.5–.68 4.07S 102.95E 0 4.1,4.0 **¶11910186**
ISCJB IX 13 14 26 07.3–.57 3.93S–.06 102.99E–.07 53–5 4.1b,4.0
DJA IX 13 14 26 07 3.99S 103.14E 5 4.5,4.0
NEIC IX 13 14 26 08.4–1.8 3.91S 103.09E 48–16 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=12.8km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=6.1km az=140.6.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=9.6km az=56.0.
IDC IX 13 20 10 30.2–4.0 4.97S 104.62E 0 3.4,3.3
¶11910203
IDC Error ellipse: s-maj=169.5km s-min=21.5km az=55.0.
ISC IX 14 08 30 40.3–1.2 5.8S–.10 104.1E–.10 67–10 3.8b 17 1-145
IDC IX 14 08 30 32.3–1.6 5.48S 104.38E 0 3.9,3.7 **¶11910246**
ISCJB IX 14 08 30 39.4–1.1 5.9S–.10 104.1E–.10 73–9 3.8b,3.7
DJA IX 14 08 30 40 5.89S 104.09E 27 3.7,3.7
IDC Error ellipse: s-maj=80.5km s-min=19.5km az=59.0.
ISCJB Error ellipse: s-maj=25.0km s-min=9.9km az=142.1.
ISC IX 14 17 45 47.1–1.3 2.3S–.10 100.73E–.10 62–10 3.8b 16 1-145
IDC IX 14 17 45 37.2–3.7 2.70S 100.21E 0 3.8,3.7 **¶11910278**
NEIC IX 14 17 45 41.5–1.1 2.86S 100.04E 35 3.8,3.7
DJA IX 14 17 45 45 2.27S 100.93E 97 3.5,3.7
ISCJB IX 14 17 45 46.2–1.2 2.3S–.10 100.7E–.10 72–9 3.9b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA IX 14 20 24 29 1.37S 101.60E 50 3.7
¶12922600
ISC IX 15 04 22 02.4–.39 2.83S–.05 101.15E–.06 66 4.4b 83 1-146
BJI IX 15 04 21 53.6 3.55S 101.43E 64 4.7b **¶11910313**
MOS IX 15 04 21 57.2–1.1 2.55S 101.45E 33 4.8b
ISCJB IX 15 04 22 00.3–.40 2.82S–.05 101.07E–.06 64 4.4b
IDC IX 15 04 22 02.4–.62 2.71S 101.38E 64–5 4.2,4.1
NEIC IX 15 04 22 02.1–.41 2.79S 101.25E 65 4.6b,4.1
DJA IX 15 04 22 04 2.82S 101.19E 37 4.8,4.1
ISC Event type se.
MOS Error ellipse: s-maj=20.4km s-min=9.2km az=113.6.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.9km az=140.8.
IDC Error ellipse: s-maj=20.1km s-min=12.2km az=62.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.2km az=58.0.
ISC IX 17 20 11 45.2–.94 5.39S–.03 102.02E–.03 35–6 4.8b,4.6s 250 1-148
BJI IX 17 20 11 35.5 5.98S 102.31E 18 5.2b,5.0s **¶11279485**
IDC IX 17 20 11 40.2–.52 5.26S 102.13E 0 4.7b,4.7
DJA IX 17 20 11 42 5.51S 101.87E 14 5.2b,4.7
MOS IX 17 20 11 43.4–1.1 5.17S 102.27E 33 5.1b,4.6s
ISCJB IX 17 20 11 43.2–.54 5.41S–.03 102.01E–.03 36–4 4.8b,4.6s
NEIC IX 17 20 11 43.1–3.3 5.21S 102.22E 18–20 5.0b,4.6s
GCMT IX 17 20 11 48.1–.30 5.76S 102.03E 14–1 5.1W,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=11.9km az=59.0.
MOS Error ellipse: s-maj=13.1km s-min=6.5km az=107.4.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.6km az=44.1.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.1km az=52.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s47,c71; s44,c52; Moment tensor: Scale 10^{16}Nm; M_{rr}3.84±.17 $M_{\theta\theta}$-3.22±.13; $M_{\phi\phi}$-0.62±.14; $M_{r\theta}$3.70±.59; $M_{\theta\phi}$1.76±.10; $M_{\theta r}$-0.31±.31; Best double couple: NP1:ϕ_s311.00000°,δ26.00000°,λ117.00000°. NP2:ϕ_s102.00000°,δ67.00000°,λ77.00000°. Principal axes: T 5.4500,Plg66.0000° ,Azm350.0000°; N -0.0200,Plg11.0000°,Azm107.0000°; P -5.4300,Plg21.0000° ,Azm201.0000° $M_0$5.40000×10^{16}
DJA IX 17 21 20 46 5.65S 102.32E 26 3.5
¶12922627
ISC IX 17 22 04 51.0–.22 4.64S–.04 104.37E–.03 193 4.4b 155 0-158
BJI IX 17 22 04 36.5 4.30S 104.60E 59 4.9b,4.9b **¶11910518**
ISCJB IX 17 22 04 49.6–.21 4.63S–.04 104.36E–.03 191 4.6b,4.9b
DJA IX 17 22 04 50 4.74S 104.34E 164 4.9,4.9b
IDC IX 17 22 04 52.0–.84 4.37S 104.49E 190–6 4.2,4.1b
NEIC IX 17 22 04 51.5–.70 4.34S 104.61E 189–6 4.4b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.1km az=41.3.
IDC Error ellipse: s-maj=15.8km s-min=8.6km az=64.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.0km az=60.0.
DJA IX 18 14 01 04 3.33S 102.22E 3 3.7
¶12922633
ISC IX 18 19 25 12.8–.66 5.33S–.06 103.58E–.05 78–4 4.3b 65 1-151
IDC IX 18 19 25 03.3–.79 5.20S 103.61E 0 4.4,4.3b **¶11910577**
BJI IX 18 19 25 05.7 5.31S 103.25E 26 4.8b,4.8b
NEIC IX 18 19 25 09.2–3.1 5.18S 103.67E 40–26 4.4b,4.8b
ISCJB IX 18 19 25 11.8–.65 5.32S–.06 103.58E–.05 86–4 4.3b,4.8b
DJA IX 18 19 25 12 5.38S 103.57E 28 4.3,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=12.8km az=52.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=5.8km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=4.9km az=36.7.
DJA IX 19 02 56 31 1.97S 98.73E 90 3.6
¶12922635
ISC IX 19 07 37 54.6–.80 2.38S–.06 100.03E–.06 43 3.9b 16 1-145
ISCJB IX 19 07 37 52.6–.81 2.43S–.06 100.00E–.07 41 3.9b **¶11910613**
DJA IX 19 07 37 53 2.38S 100.08E 22 3.8
IDC IX 19 07 37 55.6–2.6 2.23S 100.18E 41–8 3.8,3.6b
ISCJB Error ellipse: s-maj=9.9km s-min=7.8km az=160.9.

IDC Error ellipse: s-maj=108.4km s-min=15.6km az=56.0.
ISC IX 20 10 28 41.8–2.6 4.6S–.20 102.1E–.20 43–20 3.6b 14 1-145
IDC IX 20 10 28 33.8–3.4 4.92S 101.74E 0 3.6,3.5b ¶11910692
ISCJB IX 20 10 28 40.8–2.3 4.7S–.20 102.1E–.10 55–17 3.6b,3.5b
DJA IX 20 10 28 44 4.46S 102.26E 26 3.6,3.5b
IDC Error ellipse: s-maj=150.1km s-min=22.2km az=54.0.
ISCJB Error ellipse: s-maj=34.3km s-min=11.6km az=41.1.
DJA IX 20 13 54 43 2.14S 100.60E 27 3.6
¶12922645
ISC IX 20 17 44 10.2–.78 1.18S–.05 99.79E–.04 24–5 4.4b 47 1-144
IDC IX 20 17 44 06.3–1.2 1.17S 99.82E 0 4.1b,4.1 ¶11910716
DJA IX 20 17 44 11 1.33S 99.68E 39 4.4,4.1
NEIC IX 20 17 44 14.4–1.9 0.99S 100.06E 60–13 4.6b,4.1
ISC Event type fe.
IDC Error ellipse: s-maj=49.6km s-min=14.6km az=59.0.
NEIC Event type fe. Error ellipse: s-maj=27.2km s-min=8.5km az=52.0. Felt [II] at Bukittinggi, Padangpanjang and Painan.
ISC IX 20 22 34 01.4–.59 1.70S–.05 100.72E–.07 92–5 3.9b 21 1-86
IDC IX 20 22 33 50.7–3.2 1.53S 100.95E 0 3.9b,3.9 ¶11910741
ISCJB IX 20 22 34 00.3–.59 1.71S–.05 100.72E–.07 99–5 3.9b,3.9
DJA IX 20 22 34 01 1.69S 100.73E 74 3.6,3.9
IDC Error ellipse: s-maj=193.8km s-min=18.2km az=53.0.
ISCJB Error ellipse: s-maj=12.3km s-min=6.8km az=151.1.
ISC IX 21 20 13 58.2–1.5 4.9S–.10 101.86E–.08 55–14 3.9b 14 1-146
IDC IX 21 20 13 50.9–5.5 4.92S 101.46E 0 3.8b,3.8 ¶11910787
ISCJB IX 21 20 13 56.7–1.6 4.9S–.10 101.83E–.09 64–14 3.9b,3.8
DJA IX 21 20 13 58 4.81S 101.95E 82 3.7,3.8
IDC Error ellipse: s-maj=197.4km s-min=80.3km az=54.0.
ISCJB Error ellipse: s-maj=24.7km s-min=10.4km az=27.7.
ISC IX 23 08 16 25.8–.80 2.85S–.09 101.4E–.10 84–6 4.0b 28 1-145
IDC IX 23 08 16 23.7–.88 2.92S 101.28E 70–6 3.9,3.8s ¶11910879
ISCJB IX 23 08 16 24.7–.79 2.84S–.09 101.4E–.10 93–6 4.0b,3.8s
NEIC IX 23 08 16 25.2–1.7 2.92S 101.29E 84–14 3.9b,3.8s
DJA IX 23 08 16 27 2.81S 101.41E 49 4.3,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=44.5km s-min=13.7km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=6.9km az=141.6.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=9.8km az=55.0.
DJA IX 24 12 17 59 4.99S 102.99E 55 3.4
¶12922663
DJA IX 24 21 02 58 4.96S 103.74E 50 3.6
¶12922667
DJA IX 25 01 51 31 0.57S 100.49E 10 4.0
¶12922677
ISC IX 25 20 33 08.9–1.1 2.22S–.07 99.91E–.09 47–9 4.2b 33 1-146
IDC IX 25 20 33 02.0–.93 2.31S 99.79E 0 4.0b,4.0 ¶11911041
ISCJB IX 25 20 33 07.9–1.1 2.24S–.07 99.92E–.09 58–9 4.2b,4.0
NEIC IX 25 20 33 07.4–.61 2.25S 99.89E 35 4.3b,4.0
DJA IX 25 20 33 08 2.21S 99.96E 19 4.3,4.0
ISC Event type se.
IDC Error ellipse: s-maj=47.1km s-min=14.4km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=7.4km az=145.9.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=9.5km az=59.0.
DJA IX 25 21 45 31 1.24S 99.74E 9 3.5
¶12922675
ISC IX 27 05 19 39.6–.45 2.42S–.05 99.28E–.04 23 4.2b 48 1-147
ISCJB IX 27 05 19 37.2–.45 2.47S–.04 99.25E–.04 21 4.2b ¶11911160
IDC IX 27 05 19 39.7–.97 2.43S 99.20E 22–3 4.1,3.9b
DJA IX 27 05 19 39 2.42S 99.26E 65 4.4,3.9b
NEIC IX 27 05 19 41.9–.48 2.33S 99.33E 35 4.4b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.2km az=43.4.
IDC Error ellipse: s-maj=40.2km s-min=12.1km az=55.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=7.4km az=60.0.
IDC IX 28 08 36 00.1–4.2 3.85S 102.46E 0 3.8,3.7b
¶11911260
IDC Error ellipse: s-maj=229.9km s-min=18.6km az=53.0.
IDC IX 30 14 39 40.5–6.1 4.13S 102.10E 0 3.3,3.2b
¶11911458
IDC Error ellipse: s-maj=298.9km s-min=27.7km az=51.0.
DJA X 01 00 33 51 2.27S 100.77E 29 3.7
¶12922708
ISC X 01 18 48 16.5–2.5 2.13S–.08 100.6E–.10 3–17 3.9b 21 1-144
IDC X 01 18 48 12.1–5.4 2.35S 100.59E 0 3.9b,3.9 ¶11911572
DJA X 01 18 48 18 2.20S 100.67E 12 4.1,3.9
IDC Error ellipse: s-maj=257.4km s-min=25.7km az=54.0.
ISC X 01 21 42 21.3–1.6 3.85S–.05 100.58E–.05 12–10 4.7b,4.1s 164 2-148
NEIC X 01 21 42 18.7–.27 4.60S 100.83E 35 4.9b,4.1s ¶15261193
BJI X 01 21 42 18.1 4.25S 100.73E 30 4.9b,4.7b
ISCJB X 01 21 42 20.5–.95 3.83S–.05 100.52E–.05 20–7 4.8b,4.1s
IDC X 01 21 42 22.7–1.2 3.33S 100.77E 0 4.5,4.5b
MOS X 01 21 42 25.3–1.3 3.31S 100.61E 33 4.9b,4.5b
DJA X 01 21 42 27.3–2.2 4S–3.0 100E–4.0 39–27 5.5b,5.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA X 02 13 02 52 2.65S 100.22E 9 3.8
¶12922719
DJA X 04 22 12 13 1.78S 99.06E 13 3.9
¶12922733
ISC X 06 15 41 55.0–.90 3.48S–.10 100.5E–.10 35 3.9b,3.3s 26 2-146
IDC X 06 15 41 49.0–2.5 3.59S 100.32E 0 4.0,3.9 ¶12066161
DJA X 06 15 41 49 3.69S 100.08E 30 4.2,3.9
ISCJB X 06 15 41 52.0–.87 3.56S–.09 100.3E–.10 33 3.9b,3.3s
NEIC X 06 15 41 54.6–1.5 3.55S 100.37E 35 4.1b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=105.0km s-min=19.5km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=9.8km az=147.0.
NEIC Event type se. Error ellipse: s-maj=61.6km s-min=12.2km az=56.0.
IDC X 08 06 31 08.5–7.1 0.97S 101.60E 0 3.6,3.4
¶12066316
IDC Error ellipse: s-maj=391.2km s-min=29.1km az=53.0.
DJA X 09 04 42 52 1.98S 100.67E 11 3.5
¶12922767
ISC X 09 09 13 36.3–1.6 4.2S–.10 102.0E–.10 67–13 3.6b 24 1-145
IDC X 09 09 13 27.8–3.5 4.12S 102.06E 0 3.7,3.6b ¶12066411
NEIC X 09 09 13 33.1–2.4 4.08S 102.12E 35 3.7,3.6b
ISCJB X 09 09 13 34.4–1.6 4.3S–.10 101.9E–.10 70–12 3.6b,3.6b
DJA X 09 09 13 36 4.22S 102.03E 39 3.9,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=161.2km s-min=21.7km az=57.0.
NEIC Event type se. Error ellipse: s-maj=108.0km s-min=14.9km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=26.6km s-min=7.7km az=139.3.
IDC X 10 18 51 02.2–4.5 0.71S 100.50E 0 4.1b,4.1
¶12066522
IDC Error ellipse: s-maj=94.6km s-min=76.6km az=50.0.
ISC X 12 15 51 05.4–.48 4.34S–.04 102.34E–.04 49–4 4.7b 117 1-147
ISCJB X 12 15 51 03.8–.55 4.36S–.04 102.33E–.04 55–5 4.7b ¶11346088
NEIC X 12 15 51 04.0–.39 4.33S 102.37E 38 4.7b
DJA X 12 15 51 03.6–.60 4S–3.0 102E–3.0 16–5 5.6b,5.3
IDC X 12 15 51 04.3–.75 4.21S 102.48E 38–5 4.3,4.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=9.1km s-min=3.9km az=43.2.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=7.0km az=56.0. Felt [III] at Bengkulu and Manna; [II] at Kapahiang and Mukomuko.
IDC Error ellipse: s-maj=20.4km s-min=12.0km az=49.0.
ISC X 12 17 03 08.6–.56 0.96S–.06 99.91E–.07 64–6 4.0b 33 1-56
IDC X 12 17 03 00.4–3.4 1.09S 99.97E 0 3.8b,3.8 ¶12068479
NEIC X 12 17 03 05.1–1.1 1.23S 99.87E 35 4.1b,3.8
ISCJB X 12 17 03 07.5–.56 0.96S–.06 99.93E–.07 70–6 4.1b,3.8
DJA X 12 17 03 07 0.85S 99.97E 23 4.0,3.8
ISC Event type fe.
IDC Error ellipse: s-maj=161.0km s-min=19.5km az=58.0.
NEIC Event type fe. Error ellipse: s-maj=38.9km s-min=8.8km az=63.0. Felt [III] in the Kepulauan Mentawai. Also felt [III] at Padang, Painan and Pariaman, Sumatra.
ISCJB Event type fe. Error ellipse: s-maj=13.3km s-min=6.9km az=140.3.
ISC X 13 18 50 25.0–.64 1.05S–.08 100.07E–.08 80–9 3.5b 14 0-50
IDC X 13 18 50 18.2–6.2 0.43S 101.06E 0 3.5,3.4b ¶12068567
ISCJB X 13 18 50 24.0–.64 1.06S–.08 100.07E–.08 87–8 3.5b,3.4b
DJA X 13 18 50 25 1.07S 100.06E 38 3.5,3.4b
IDC Error ellipse: s-maj=343.4km s-min=27.2km az=54.0.
ISCJB Error ellipse: s-maj=16.0km s-min=9.9km az=43.6.
ISC X 13 20 19 02.5–1.8 2.8S–.10 100.0E–.20 37–14 3.6b 16 2-145
IDC X 13 20 18 57.9–3.4 2.74S 100.32E 0 3.7,3.6b ¶12068576
ISCJB X 13 20 19 01.1–1.8 2.9S–.10 100.0E–.20 47–14 3.6b,3.6b
DJA X 13 20 19 01 2.77S 99.97E 17 3.9,3.6b
IDC Error ellipse: s-maj=139.4km s-min=21.0km az=57.0.
ISCJB Error ellipse: s-maj=30.7km s-min=9.4km az=144.4.
ISC X 14 02 38 25.5–3.1 5.67S–.08 102.13E–.06 6–21 3.8b 21 2-146
IDC X 14 02 38 24.5–4.0 5.71S 102.12E 0 3.9,3.8b ¶12068593
ISCJB X 14 02 38 25.9–2.9 5.74S–.07 102.07E–.06 25–22 3.8b,3.8b
DJA X 14 02 38 28 5.65S 102.14E 92 4.0,3.8b
IDC Error ellipse: s-maj=164.8km s-min=21.4km az=54.0.
ISCJB Error ellipse: s-maj=12.4km s-min=10.0km az=3.1.
DJA X 14 13 27 35 2.31S 100.47E 18 3.7
¶12922813
ISC X 14 15 26 45.8–2.0 4.7S–.10 102.6E–.10 58–14 3.5b 13 0-60
IDC X 14 15 26 38.0–4.0 4.64S 102.49E 0 3.6b,3.6 ¶12068618
ISCJB X 14 15 26 44.9–2.0 4.7S–.20 102.6E–.20 71–13 3.5b,3.6
DJA X 14 15 26 47 4.67S 102.67E 35 3.4,3.6
IDC Error ellipse: s-maj=174.1km s-min=22.8km az=54.0.
ISCJB Error ellipse: s-maj=35.6km s-min=9.6km az=43.4.
DJA X 17 09 13 13 0.54S 100.48E 1 3.8
¶12922833
DJA X 17 18 16 42 2.05S 100.81E 51 3.7
¶12922834
ISC X 19 10 51 51.9–.56 2.85S–.05 99.69E–.08 35 4.0b 38 2-146
IDC X 19 10 51 47.3–.98 2.81S 99.76E 0 4.0,3.9b ¶12069036
DJA X 19 10 51 48 2.89S 99.59E 14 4.0,3.9b
ISCJB X 19 10 51 49.3–.57 2.92S–.05 99.61E–.07 33 4.0b,3.9b
NEIC X 19 10 51 52.6–.59 2.73S 99.86E 35 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=15.2km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=5.9km az=159.6.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=8.0km az=58.0.
ISC X 19 23 47 08.1–.41 4.67S–.05 103.19E–.05 75–3 4.5b 107 0-148
IDC X 19 23 46 58.2–.55 4.66S 103.13E 0 4.5,4.4 ¶12069090
ISCJB X 19 23 47 06.8–.42 4.69S–.05 103.17E–.05 81–3 4.5b,4.4
DJA X 19 23 47 06 5.03S 102.91E 24 4.7,4.4
NEIC X 19 23 47 08.5–.80 4.64S 103.25E 81–7 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=11.7km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.1km az=42.4.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=53.0.
DJA X 20 02 57 38 1.70S 100.25E 8 3.5
¶12922847
IDC X 22 09 10 17.7–3.7 2.89S 102.14E 0 3.7,3.6b
¶12070787
IDC Error ellipse: s-maj=162.4km s-min=23.4km az=57.0.
ISC X 23 15 45 37.3–4.3 3.76S–.08 100.3E–.10 13–28 3.9b 20 2-146
IDC X 23 15 45 35.2–2.9 3.79S 100.31E 0 4.0,3.9b ¶12070907
ISCJB X 23 15 45 36.8–4.1 3.78S–.08 100.2E–.10 26–29 3.9b,3.9b
NEIC X 23 15 45 41.7–1.6 3.64S 100.53E 40 4.3b,3.9b
DJA X 23 15 45 41 3.24S 101.08E 189 3.7,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=117.6km s-min=19.4km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=12.7km az=159.7.
NEIC Event type se. Error ellipse: s-maj=64.2km s-min=9.7km az=58.0.
ISC X 23 18 42 36.8–2.4 5.0S–.20 102.2E–.20 81–24 3.2b 11 1-54
IDC X 23 18 42 26.9–7.5 3.65S 103.00E 0 3.4,3.1b ¶12070924
ISCJB X 23 18 42 35.8–2.6 5.0S–.20 102.2E–.20 94–23 3.2b,3.1b
DJA X 23 18 42 36 4.83S 102.36E 111 3.5,3.1b
IDC Error ellipse: s-maj=403.8km s-min=27.3km az=51.0.
ISCJB Error ellipse: s-maj=52.1km s-min=14.8km az=40.4.
DJA X 23 23 30 01 4.81S 102.04E 34 4.1
¶12922878
DJA X 25 22 11 43 5.14S 103.40E 10 3.5
¶12922884
ISC X 26 07 25 09.6–.62 5.75S–.04 102.55E–.04 45–5 4.5b,3.8s 96 1-156
IDC X 26 07 25 03.4–.58 5.63S 102.59E 0 4.4,4.3 ¶11362747
ISCJB X 26 07 25 07.7–.69 5.77S–.04 102.52E–.04 47–6 4.5b,3.8s
NEIC X 26 07 25 08.5–.32 5.66S 102.70E 35 4.5b,3.8s
DJA X 26 07 25 10 5.55S 102.77E 5 4.7,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=12.7km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.3km az=44.9.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.0km az=53.0.
ISC X 26 08 47 39.0–1.2 5.70S–.07 102.61E–.07 44–11 4.0b 32 1-146
IDC X 26 08 47 33.4–.95 5.59S 102.74E 0 4.0,3.9b ¶12071139
ISCJB X 26 08 47 37.8–1.3 5.71S–.07 102.60E–.07 55–11 4.0b,3.9b
NEIC X 26 08 47 38.5–.59 5.57S 102.76E 35 4.4b,3.9b
DJA X 26 08 47 39 5.43S 102.81E 117 4.1,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=16.0km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=8.3km az=44.1.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=9.0km az=56.0.
IDC X 26 09 45 07.0–2.6 3.40S 100.45E 27–6 3.7s,3.7
¶12071146
IDC Error ellipse: s-maj=96.1km s-min=43.6km az=58.0.
ISC X 26 10 27 37.1–.24 3.68S–.03 100.65E–.03 31 5.0b,4.3s 277 2-150
BJI X 26 10 27 31.0 4.24S 100.73E 39 5.2b,5.1b ¶11362756
ISCJB X 26 10 27 34.9–.24 3.67S–.03 100.65E–.03 29 5.0b,4.3s
MOS X 26 10 27 35.6–.96 3.51S 100.84E 33 5.2b,4.3s
IDC X 26 10 27 36.4–.48 3.60S 100.72E 26–2 4.6,4.5
NEIC X 26 10 27 37.5–1.1 3.63S 100.75E 36–9 5.1b,4.5
DJA X 26 10 27 37.5–.60 4S–5.0 100E–5.0 44–8 5.5b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 27 00 04 43.4–.52 4.51S–.08 101.1E–.10 35 3.9b 29 8-146
IDC X 27 00 04 38.7–1.4 4.47S 101.15E 0 4.1,4.0L ¶12071206
ISCJB X 27 00 04 41.0–.52 4.54S–.08 101.1E–.10 33 3.9b,4.0L
NEIC X 27 00 04 43.4–.42 4.48S 101.11E 35 4.2b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=50.7km s-min=16.4km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=9.6km az=153.6.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=7.3km az=65.0.
ISC X 28 16 17 47.4–1.9 4.5S–.10 102.0E–.10 54–16 3.4b 19 1-60
IDC X 28 16 17 41.6–3.8 4.20S 102.38E 0 3.5,3.4b ¶12071347
ISCJB X 28 16 17 45.9–1.9 4.5S–.10 102.0E–.10 61–14 3.4b,3.4b
DJA X 28 16 17 47 4.52S 102.07E 26 3.8,3.4b
IDC Error ellipse: s-maj=167.0km s-min=22.0km az=54.0.
ISCJB Error ellipse: s-maj=26.9km s-min=9.5km az=44.3.
IDC X 28 16 52 09.7–3.4 4.46S 105.03E 0 3.7,3.5b
¶12071351
IDC Error ellipse: s-maj=196.9km s-min=25.6km az=53.0.
ISC X 29 16 15 08.8–.89 2.31S–.07 100.28E–.07 55–8 4.0b 33 1-145
IDC X 29 16 15 01.4–2.0 2.40S 100.26E 0 4.0,3.9 ¶12071495
NEIC X 29 16 15 06.2–1.1 2.48S 100.20E 35 4.4b,3.9
ISCJB X 29 16 15 07.7–.89 2.30S–.07 100.28E–.07 63–8 4.0b,3.9
DJA X 29 16 15 08 2.27S 100.29E 30 4.0,3.9
ISC Event type se.

IDC Error ellipse: s-maj=94.5km s-min=17.6km az=57.0.
NEIC Event type se. Error ellipse: s-maj=41.3km s-min=9.1km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=7.1km az=138.3.
ISC XI 03 12 08 35.3–.94 2.0S–.10 99.6E–.10 35 3.8b 20 5-145
IDC XI 03 12 08 29.3–2.4 2.21S 99.38E 0 3.9,3.8 ¶12072122
ISCJB XI 03 12 08 33.0–.94 2.0S–.10 99.6E–.10 33 3.8b,3.8
NEIC XI 03 12 08 34.9–.91 2.06S 99.57E 35 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=99.1km s-min=18.2km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=11.2km az=145.9.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=8.8km az=61.0.
DJA XI 03 19 37 18 5.97S 103.96E 12 3.8
¶12922957
ISC XI 04 02 51 43.3–.74 3.84S–.07 101.98E–.08 81–5 4.4b 78 1-146
IDC XI 04 02 51 41.2–.75 3.72S 102.02E 57–4 4.1,4.0 ¶12072203
DJA XI 04 02 51 41 3.77S 102.00E 7 4.8,4.0
ISCJB XI 04 02 51 42.4–.71 3.81S–.07 102.01E–.08 89–5 4.4b,4.0
NEIC XI 04 02 51 43.2–1.2 3.75S 102.03E 78–9 4.6b,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=31.1km s-min=11.6km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=17.6km s-min=4.8km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=19.2km s-min=4.5km az=48.0. Felt [III] at Kapahiang and [II] at Bengkulu.
IDC XI 04 18 52 11.2–2.6 5.02S 102.66E 0 4.0s,4.0
¶12072279
IDC Error ellipse: s-maj=121.9km s-min=16.4km az=56.0.
IDC XI 04 20 21 10.3–4.3 5.53S 104.06E 0 3.6,3.4b
¶12072292
IDC Error ellipse: s-maj=204.6km s-min=21.1km az=56.0.
ISC XI 04 20 48 55.2–.80 5.78S–.06 103.69E–.06 66–6 4.3b 81 1-147
IDC XI 04 20 48 47.0–.65 5.73S 103.71E 0 4.4,4.3b ¶12072294
NEIC XI 04 20 48 52.7–2.9 5.66S 103.79E 40–26 4.6b,4.3b
ISCJB XI 04 20 48 54.8–.81 5.74S–.06 103.74E–.07 79–6 4.3b,4.3b
DJA XI 04 20 48 54 5.85S 103.64E 30 4.6,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=13.0km az=51.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=5.2km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=5.4km az=137.2.
IDC XI 06 08 14 36.6–3.6 4.67S 101.00E 0 3.9,3.8
¶12072507
IDC Error ellipse: s-maj=141.0km s-min=21.6km az=56.0.
ISC XI 06 18 37 14.6–.81 2.33S–.05 100.05E–.06 57–6 4.7b,3.8s 175 1-146
BJI XI 06 18 37 05.9 2.38S 100.26E 10 4.9b,4.7b ¶11396269
IDC XI 06 18 37 06.8–.72 2.31S 99.98E 0 4.7,4.6
MOS XI 06 18 37 10.3–.96 2.20S 100.11E 33 4.9b,4.6
NEIC XI 06 18 37 12.1–.40 2.30S 100.05E 35 4.9b,4.6
ISCJB XI 06 18 37 12.7–.78 2.33S–.05 100.01E–.05 58–6 4.7b,3.8s
DJA XI 06 18 37 12.2–.60 2S–5.0 100E–6.0 58–18 5.0,4.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA XI 08 05 11 10 5.55S 102.70E 29 3.5
¶12922990
ISC XI 08 21 34 18.9–1.2 1.05S–.10 100.11E–.08 35 3.6b 13 0-144
IDC XI 08 21 34 10.6–2.2 1.59S 98.94E 0 3.5b,3.5 ¶12072867
ISCJB XI 08 21 34 17.6–1.1 1.06S–.10 100.06E–.08 33 3.6b,3.5
DJA XI 08 21 34 17 1.02S 100.07E 10 3.7,3.5
IDC Error ellipse: s-maj=95.6km s-min=19.6km az=57.0.
ISCJB Error ellipse: s-maj=15.5km s-min=8.9km az=33.2.
ISC XI 10 05 58 40.8–4.2 4.2S–.20 101.3E–.30 51–32 3.9b 27 2-146
IDC XI 10 05 58 32.1–2.6 4.56S 100.77E 0 3.9,3.8b ¶12073037
NEIC XI 10 05 58 37.4–1.4 4.52S 100.84E 35 4.1b,3.8b
ISCJB XI 10 05 58 39.2–4.3 4.2S–.20 101.2E–.30 57–32 3.9b,3.8b
DJA XI 10 05 59 04 3.17S 103.90E 33 3.2,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=109.6km s-min=16.4km az=53.0.
NEIC Event type se. Error ellipse: s-maj=57.5km s-min=8.1km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=53.9km s-min=12.6km az=142.1.
ISC XI 10 06 29 32.3–.95 4.95S–.08 102.97E–.07 63–7 4.3b 47 1-145
IDC XI 10 06 29 24.0–.95 4.86S 102.88E 0 4.3,4.2 ¶12073042
NEIC XI 10 06 29 29.6–.66 4.74S 103.08E 35 4.5b,4.2
ISCJB XI 10 06 29 31.1–.94 4.94S–.08 102.96E–.07 71–7 4.2b,4.2
DJA XI 10 06 29 32 5.04S 103.05E 25 4.2,4.2
ISC Event type se.
IDC Error ellipse: s-maj=44.5km s-min=13.9km az=53.0.
NEIC Event type se. Error ellipse: s-maj=36.1km s-min=7.6km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=6.0km az=40.5.
ISC XI 10 08 58 50.1–.26 0.33S–.02 99.97E–.02 121–2 5.4b 705 1-160
SZGRF XI 10 08 58 23.8 3.57S 101.28E 33 5.7b ¶13399737
BJI XI 10 08 58 35.4 0.81S 100.17E 39 5.3b,5.2b
TEH XI 10 08 58 41.0 0.25S 100.01E 35 5.3b,5.2b
DJA XI 10 08 58 49.7–.20 0S–3.0 100E–3.0 106–3 5.7b,5.5
ISCJB XI 10 08 58 49.1–.26 0.28S–.02 100.01E–.03 127–2 5.3b,5.5
MOS XI 10 08 58 49.3–.96 0.11S 100.17E 125 5.5b,5.5
IDC XI 10 08 58 50.4–1.1 0.26S 100.13E 126–9 4.9,4.9
NEIC XI 10 08 58 50.5–.73 0.26S 100.14E 126–6 5.3b,4.9
GCMT XI 10 08 58 51.4–.30 0.28S 100.23E 128–2 5.1W,4.9
ISC Event type fe.
SZGRF Southern Sumatera, Indonesia.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=2.7km az=136.8.
MOS Error ellipse: s-maj=9.5km s-min=4.3km az=117.4.
IDC Error ellipse: s-maj=12.2km s-min=6.6km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=6.9km s-min=4.0km az=48.0. Felt [III] at Padang and [II] at Padangpanjang.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c40; s62,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}2.39±.19 $M_{\theta\theta}$-3.20±.23; $M_{\phi\phi}$0.82±.27; $M_{r\theta}$2.09±.15; $M_{\theta\phi}$-4.89±.21; $M_{\theta r}$0.22±.18; Best double couple: NP1:ϕ_s192.00000°,δ62.00000°,λ12.00000°. NP2:ϕ_s97.00000°,δ79.00000°,λ152.00000°. Principal axes: T 4.6100,Plg27.0000° ,Azm51.0000°; N 2.2600,Plg60.0000°,Azm258.0000°; P -6.8500,Plg11.0000°,Azm147.0000° M_o5.70000×10^{16}
ISC XI 11 01 46 13.1–.19 4.23S–.03 102.10E–.02 68 4.8b 346 1-150
MOS XI 11 01 46 08.0–1.1 4.07S 102.28E 40 5.1b ¶11433888
BJI XI 11 01 46 11.9 4.20S 102.20E 79 5.1b,4.9b
ISCJB XI 11 01 46 11.2–.19 4.23S–.03 102.07E–.02 66 4.8b,4.9b
IDC XI 11 01 46 12.5–.36 4.03S 102.32E 68–3 4.5,4.4
NEIC XI 11 01 46 12.5–.19 4.15S 102.19E 66 5.0b,4.4
DJA XI 11 01 46 13.8–.30 4S–3.0 102E–2.0 60–3 5.7b,5.4
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [III] at Bengkulu and Kapahiang and [II] at Mukomuko.
ISC XI 14 07 02 49.2–.76 3.55S–.06 101.54E–.07 60–7 4.3b 42 1-146
ISCJB XI 14 07 02 47.8–.85 3.57S–.07 101.49E–.08 68–7 4.3b ¶12073495
NEIC XI 14 07 02 47.6–.84 3.48S 101.54E 44–8 4.4b
IDC XI 14 07 02 47.5–1.4 3.58S 101.43E 46–5 4.1,4.1
DJA XI 14 07 02 49 3.52S 101.60E 17 4.3,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=7.8km az=140.7.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.1km az=52.0.
IDC Error ellipse: s-maj=65.6km s-min=11.2km az=52.0.
ISC XI 14 22 07 51.6–1.1 3.88S–.04 100.45E–.04 4–7 4.6b,3.8s 173 2-147
BJI XI 14 22 07 45.4 4.44S 100.62E 10 5.0b,4.7b ¶11452941
ISCJB XI 14 22 07 49.1–1.0 3.91S–.04 100.39E–.04 2–6 4.6b,3.8s
MOS XI 14 22 07 54.6–.89 3.55S 100.70E 30 4.9b,3.8s
IDC XI 14 22 07 55.9–.82 3.57S 100.72E 25–3 4.3,4.1
DJA XI 14 22 07 55 3.84S 100.42E 95 4.8,4.1
NEIC XI 14 22 07 56.6–.44 3.66S 100.68E 35 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.4km az=44.4.
MOS Error ellipse: s-maj=16.7km s-min=7.5km az=109.0.
IDC Error ellipse: s-maj=24.1km s-min=11.1km az=48.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=6.4km az=50.0.

ISC XI 14 22 25 00.7–1.5 3.6S–.10 100.8E–.10 55–10 3.9b 30 2-145
IDC XI 14 22 24 56.5–1.2 3.77S 100.54E 25–4 3.8,3.7 ¶12073568
NEIC XI 14 22 24 57.4–.91 3.86S 100.42E 35 4.1b,3.7
ISCJB XI 14 22 24 59.4–1.5 3.6S–.10 100.8E–.10 63–10 3.9b,3.7
DJA XI 14 22 25 02 3.33S 101.03E 77 4.0,3.7
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=17.6km az=53.0.
NEIC Event type se. Error ellipse: s-maj=38.3km s-min=11.8km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=30.9km s-min=7.9km az=138.6.
IDC XI 15 12 10 25.7–7.6 2.04S 100.92E 0 3.6,3.4b
¶12073624
IDC Error ellipse: s-maj=399.8km s-min=27.0km az=53.0.
ISC XI 16 08 30 01.4–1.4 5.44S–.04 102.26E–.04 28–11 4.4b,3.4s 93 1-156
IDC XI 16 08 29 57.0–.55 5.38S 102.24E 0 4.4,4.3 ¶11453291
ISCJB XI 16 08 30 00.1–.67 5.47S–.04 102.23E–.04 34–6 4.4b,3.4s
NEIC XI 16 08 30 01.3–2.2 5.40S 102.25E 29–15 4.5b,3.4s
DJA XI 16 08 30 02.7–.30 5S–3.0 102E–3.0 65–5 5.3b,4.8
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC XI 18 00 56 14.6–1.6 2.05S 102.01E 0 4.0,3.8b
¶12073950
IDC Error ellipse: s-maj=261.3km s-min=27.7km az=39.0.
DJA XI 19 01 57 42 0.70S 101.45E 10 4.3
¶12923108
DJA XI 21 12 32 37 1.21S 100.54E 10 3.6
¶12923141
ISC XI 21 15 37 37.0–.00 4.28S–.08 102.11E–.09 65–8 4.2b 43 1-145
IDC XI 21 15 37 29.6–2.0 4.08S 102.26E 0 4.8s,4.8 ¶12074403
NEIC XI 21 15 37 33.4–1.1 4.26S 101.92E 35 4.2b,4.8
ISCJB XI 21 15 37 35.6–1.0 4.28S–.09 102.08E–.09 72–8 4.2b,4.8
DJA XI 21 15 37 36 4.36S 102.14E 25 4.4,4.8
ISC Event type se.
IDC Error ellipse: s-maj=92.8km s-min=15.5km az=55.0.
NEIC Event type se. Error ellipse: s-maj=52.1km s-min=8.1km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=6.1km az=44.5.
ISC XI 21 21 48 37.8–1.4 4.2S–.10 102.2E–.10 60–11 3.6b 19 1-145
IDC XI 21 21 48 28.8–3.5 4.37S 101.96E 0 3.7,3.6b ¶12074440
ISCJB XI 21 21 48 36.1–1.4 4.2S–.10 102.1E–.10 66–10 3.6b,3.6b
DJA XI 21 21 48 37 4.23S 102.19E 31 4.1,3.6b
IDC Error ellipse: s-maj=157.5km s-min=20.3km az=53.0.
ISCJB Error ellipse: s-maj=26.5km s-min=6.6km az=137.2.
DJA XI 22 12 12 39 2.27S 99.68E 10 3.5
¶12923148
ISC XI 22 13 39 05.3–.78 2.87S–.05 100.41E–.06 40–7 4.2b,3.6s 57 1-145
IDC XI 22 13 38 59.5–2.0 2.79S 100.81E 0 3.8,3.7 ¶12074501
ISCJB XI 22 13 39 03.9–.85 2.88S–.05 100.42E–.06 48–8 4.2b,3.6s
DJA XI 22 13 39 03 2.82S 100.43E 14 4.3,3.6s
NEIC XI 22 13 39 09.0–5.2 2.76S 100.83E 80–39 4.5b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=97.0km s-min=14.8km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=4.6km az=140.2.
NEIC Event type se. Error ellipse: s-maj=81.6km s-min=11.3km az=54.0.
DJA XI 22 14 24 01 1.27S 101.49E 170 3.7
¶12923150
ISC XI 22 16 01 02.7–.60 4.38S–.02 101.23E–.02 26–4 6.5s,5.8b 773 2-176
BJI XI 22 16 00 51.7 5.12S 101.24E 10 6.7s,6.6b ¶11473209
IDC XI 22 16 00 58.4–.33 4.25S 101.28E 0 6.5,6.4s
ISCJB XI 22 16 00 59.3–.59 4.38S–.02 101.22E–.02 16–4 6.5s,5.8b
NEIC XI 22 16 01 01.7–.17 4.35S 101.26E 24 6.3W,6.3W
TEH XI 22 16 01 01.0 4.19S 101.01E 5 6.3W,6.3W
DJA XI 22 16 01 01.6–.60 5S–2.0 101E–2.0 18–5 6.6b,6.6
MOS XI 22 16 01 02.3–1.4 4.17S 101.40E 33 6.4s,6.1b
GCMT XI 22 16 01 06.7–.10 4.73S 101.07E 20 6.3W,6.1b
ISC Event type fe.
IDC Error ellipse: s-maj=11.8km s-min=7.8km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=30.4.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.3km az=53.0. Felt [IV] at Bengkulu, Ketahun and Mukomuko; [III] at Kapahiang. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s120.00000°,δ80.00000° ,λ90.00000°. NP2:ϕ_s300.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000° ,Azm30.0000°; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm210.0000° Moment Tensor Solution. s82 Moment tensor: Scale 10^{18}Nm; M_{rr}2.63 $M_{\theta\theta}$-1.23 $M_{\phi\phi}$-1.40 $M_{r\theta}$2.97 $M_{\theta\phi}$0.75 $M_{\phi r}$-1.54 Best double couple: NP1:ϕ_s323.00000°,δ18.00000°,λ110.00000°. NP2: ϕ_s122.00000°,δ73.00000°,λ83.00000°. Principal axes: T 4.4200,Plg61.0000°,Azm21.0000° ; N -0.6900,Plg6.0000°,Azm123.0000°; P -3.7300,Plg27.0000°,Azm217.0000° M_o4.10000×10^{18}
MOS Error ellipse: s-maj=8.2km s-min=4.5km az=115.7.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 75, comp=119, per= 50. Moment Tensor Solution. s64,c100; s90,c135; Moment tensor: Scale 10^{18}Nm; M_{rr}2.07±.03 $M_{\theta\theta}$-1.06±.02; $M_{\phi\phi}$-1.01±.02; $M_{r\theta}$2.92±.07; $M_{\theta\phi}$1.32±.02; $M_{\phi r}$-1.41±.06; Best double couple: NP1:ϕ_s331.00000°,δ19.00000°,λ121.00000°. NP2:ϕ_s119.00000°,δ73.00000°,λ80.00000°. Principal axes: T 3.8800,Plg60.0000°,Azm14.0000°; N 0.1000,Plg10.0000°,Azm122.0000° ; P -3.9800,Plg28.0000°,Azm217.0000° M_o3.90000×10^{18}
IDC XI 22 16 11 21.2–2.7 4.35S 101.53E 0 4.3,4.1b
¶11473213
IDC Error ellipse: s-maj=78.0km s-min=27.8km az=56.0.
ISC XI 22 16 11 50.0–.19 4.52S–.03 101.27E–.02 26 6.1s,5.6b 433 2-152
BJI XI 22 16 11 38.8 5.35S 101.40E 10 6.3s,6.2b ¶12074512
ISCJB XI 22 16 11 47.8–.19 4.53S–.03 101.27E–.02 24 6.1s,5.6b
TEH XI 22 16 11 48.0 4.41S 101.52E 10 6.1s,5.6b
NEIC XI 22 16 11 49.2–2.6 4.48S 101.42E 23–17 5.7b,5.6b
MOS XI 22 16 11 49.8–1.2 4.31S 101.51E 33 6.1s,5.9b
DJA XI 22 16 11 50.2–.80 5S–3.0 101E–3.0 28–6 6.5b,6.3
IDC XI 22 16 11 50.4–.37 4.42S 101.41E 26–2 5.0b,5.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.4km az=32.8.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=5.0km az=56.0. Felt [II] at Kapahiang.
MOS Error ellipse: s-maj=10.6km s-min=5.8km az=106.1.
IDC Error ellipse: s-maj=11.6km s-min=7.2km az=48.0.
ISC XI 22 18 56 13.1–2.8 4.1S–.10 101.6E–.20 77–20 3.9b 25 1-145
IDC XI 22 18 56 02.5–2.0 4.34S 101.32E 0 3.9,3.8b ¶12074531
NEIC XI 22 18 56 09.1–1.4 4.23S 101.46E 45 4.0b,3.8b
ISCJB XI 22 18 56 12.7–2.9 4.1S–.20 101.7E–.30 89–19 3.9b,3.8b
DJA XI 22 18 56 18 4.36S 102.11E 10 3.6,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=75.9km s-min=20.9km az=55.0.
NEIC Event type se. Error ellipse: s-maj=50.7km s-min=10.0km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=47.5km s-min=12.1km az=150.0.
ISC XI 22 22 05 55.9–1.0 4.66S–.03 101.17E–.03 10–6 4.9b,4.3s 232 2-150
BJI XI 22 22 05 46.5 5.52S 101.51E 10 5.1b,5.0b ¶11473230
ISCJB XI 22 22 05 53.0–.89 4.68S–.03 101.14E–.03 4–5 4.9b,4.3s
IDC XI 22 22 05 56.8–2.9 4.44S 101.42E 12–16 4.5,4.4
DJA XI 22 22 05 56.2–1.9 5S–3.0 101E–3.0 22–23 5.4b,5.0
MOS XI 22 22 05 58.1–.77 4.38S 101.50E 33 5.1b,5.0
NEIC XI 22 22 05 59.4–.30 4.61S 101.22E 35 5.1b,5.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.5km az=32.5.
IDC Error ellipse: s-maj=25.0km s-min=11.2km az=49.0.
MOS Error ellipse: s-maj=13.0km s-min=7.3km az=110.2.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.5km az=61.0.
ISC XI 25 01 09 43.2–.81 4.30S–.08 101.86E–.07 35 3.7b 17 1-145
IDC XI 25 01 09 37.3–3.0 4.51S 101.65E 0 3.7,3.6b ¶12074752
ISCJB XI 25 01 09 40.4–.79 4.33S–.08 101.71E–.06 33 3.7b,3.6b
DJA XI 25 01 09 41 4.29S 101.81E 16 4.3,3.6b
IDC Error ellipse: s-maj=144.0km s-min=18.5km az=53.0.
ISCJB Error ellipse: s-maj=11.7km s-min=7.6km az=16.9.
DJA XI 25 15 38 43 2.21S 100.50E 11 3.9
¶12923175
ISC XI 27 11 22 29.5–2.0 2.2S–.10 100.3E–.20 62–16 3.9b 24 1-145

IDC XI 27 11 22 21.3–2.5 2.42S 100.27E 0 4.1,3.9b ¶12075024
NEIC XI 27 11 22 28.1–.90 2.26S 100.50E 45–5 4.1,3.9b
ISCJB XI 27 11 22 29.5–1.9 2.2S–.10 100.4E–.20 79–13 3.9b,3.9b
DJA XI 27 11 22 29 2.17S 100.35E 17 4.0,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=121.1km s-min=21.0km az=54.0.
NEIC Event type se. Error ellipse: s-maj=33.7km s-min=8.8km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=35.7km s-min=8.6km az=145.4.
ISC XI 27 12 22 52.5–1.6 2.26S–.08 99.8E–.10 44–12 4.1b 29 1-145
IDC XI 27 12 22 47.1–2.1 2.19S 99.95E 0 4.1,4.0 ¶12075030
ISCJB XI 27 12 22 50.8–1.7 2.28S–.08 99.7E–.10 50–12 4.1b,4.0
DJA XI 27 12 22 51 2.09S 99.80E 10 4.0,4.0
NEIC XI 27 12 22 52.1–.97 2.23S 99.90E 35 4.0,4.0
ISC Event type se.
IDC Error ellipse: s-maj=77.2km s-min=19.1km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=10.7km az=151.8.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=10.3km az=61.0.
IDC XI 27 16 05 30.3–4.5 4.15S 101.49E 0 3.5,3.3
¶12075047
IDC Error ellipse: s-maj=188.5km s-min=25.3km az=56.0.
DJA XI 27 17 59 43 1.04S 99.96E 10 3.6
¶12923205
ISC XI 28 08 50 50.2–.32 4.76S–.02 101.74E–.02 42–2 5.9s,5.7b 674 1-176
SZGRF XI 28 08 50 42.8 4.28S 104.73E 33 5.8s,5.7b ¶11480320
BJI XI 28 08 50 43.6 5.33S 101.79E 41 6.2s,6.1b
IDC XI 28 08 50 43.6–.43 4.76S 101.73E 0 5.7s,5.7
DJA XI 28 08 50 47.3–.60 5S–2.0 102E–2.0 19–5 6.3,6.2b
ISCJB XI 28 08 50 47.7–.37 4.77S–.02 101.72E–.02 36–3 5.9s,5.7b
NEIC XI 28 08 50 47.9–.14 4.76S 101.76E 25 5.9s,5.9
MOS XI 28 08 50 48.2–1.1 4.55S 101.82E 33 5.9b,5.8s
TEH XI 28 08 50 49.0 4.86S 101.62E 35 5.9b,5.8s
GCMT XI 28 08 50 51.6–.10 5.09S 101.55E 23 5.9W,5.8s
ISC Event type fe.
SZGRF Southern Sumatera, Indonesia.
IDC Error ellipse: s-maj=16.7km s-min=11.3km az=58.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=2.7km az=35.0.
NEIC Event type fe. Error ellipse: s-maj=5.5km s-min=3.9km az=56.0. Felt [III] at Bengkulu, Kapahiang and Krui. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s120.00000°,δ80.00000°,λ90.00000°. NP2: ϕ_s300.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000°,Azm30.0000° ; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm210.0000° Moment Tensor Solution. s82 Moment tensor: Scale 10^{17}Nm; M_{rr}4.47 $M_{\theta\theta}$-1.64 $M_{\phi\phi}$-2.83 $M_{r\theta}$5.43 $M_{\theta\phi}$0.78 $M_{\phi r}$-2.51 Best double couple: NP1:ϕ_s330.00000°,δ18.00000°,λ118.00000°. NP2:ϕ_s121.00000° ,δ74.00000°,λ82.00000°. Principal axes: T 7.9500,Plg59.0000°,Azm19.0000° ; N -1.8800,Plg8.0000°,Azm123.0000°; P -6.0700,Plg28.0000°,Azm218.0000° $M_0$7.20000×10^{17}
MOS Error ellipse: s-maj=8.3km s-min=4.7km az=111.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 93, comp=155, per= 50. Moment Tensor Solution. s103,c198; s62,c72; Moment tensor: Scale 10^{17}Nm; M_{rr}4.64±.07 $M_{\theta\theta}$-2.92±.05; $M_{\phi\phi}$-1.72±.07; $M_{r\theta}$7.22±.11; $M_{\theta\phi}$2.62±.04; $M_{\phi r}$-3.78±.11; Best double couple: NP1:ϕ_s319.00000°,δ16.00000°,λ109.00000°. NP2:ϕ_s119.00000°,δ75.00000°,λ85.00000°. Principal axes: T 9.3600,Plg60.0000°,Azm21.0000°; N 0.2200,Plg5.0000°,Azm120.0000° ; P -9.5900,Plg30.0000°,Azm213.0000° $M_0$9.50000×10^{17}
DJA XI 28 11 21 25 5.87S 104.12E 10 3.8
¶12923216
ISC XI 30 12 37 30.2–2.3 4.1S–.20 102.2E–.30 59–14 3.7s,3.5b 12 1-145
IDC XI 30 12 37 21.4–3.5 4.33S 101.90E 0 3.6s,3.6 ¶12075331
ISCJB XI 30 12 37 28.8–2.5 4.2S–.20 102.1E–.30 67–15 3.5b,3.6
DJA XI 30 12 37 29 4.15S 102.13E 27 3.7,3.6
IDC Error ellipse: s-maj=147.2km s-min=20.0km az=56.0.
ISCJB Error ellipse: s-maj=55.9km s-min=11.9km az=138.5.
ISC XII 01 03 39 26.8–1.3 4.6S–.10 101.2E–.10 35 4.0b,3.3s 16 2-146
IDC XII 01 03 39 22.0–2.6 4.60S 100.69E 0 4.1,4.1 ¶12075381
ISCJB XII 01 03 39 23.7–1.3 4.7S–.10 101.10E–.10 33 4.0b,3.3s
DJA XII 01 03 39 27 4.50S 101.30E 36 4.3,3.3s
IDC Error ellipse: s-maj=110.2km s-min=24.0km az=57.0.
ISCJB Error ellipse: s-maj=21.4km s-min=8.7km az=34.3.
ISC XII 01 08 59 59.7–5.0 2.27S–.09 99.4E–.10 17–32 3.8b 11 2-145
IDC XII 01 08 59 56.6–3.4 2.40S 99.27E 0 3.8,3.7b ¶12075398
ISCJB XII 01 08 59 59.9–3.2 2.3S–.10 99.3E–.20 35–26 3.8b,3.7b
DJA XII 01 09 00 01 1.75S 99.04E 12 3.8,3.7b
IDC Error ellipse: s-maj=148.9km s-min=20.7km az=55.0.
ISCJB Error ellipse: s-maj=28.8km s-min=19.1km az=167.4.
ISC XII 01 13 33 25.0–1.1 0.41S–.05 98.56E–.08 47–10 3.9b 33 1-144
IDC XII 01 13 33 17.5–1.9 0.68S 98.31E 0 4.1,4.0b ¶12075415
NEIC XII 01 13 33 22.4–.63 0.69S 98.33E 35 4.0b,4.0b
ISCJB XII 01 13 33 23.8–1.1 0.40S–.05 98.53E–.08 54–9 3.9b,4.0b
DJA XII 01 13 33 24 0.35S 98.64E 15 3.7,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=86.1km s-min=17.8km az=58.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=7.0km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=7.7km az=160.7.
ISC XII 05 19 09 13.2–1.0 2.0S–.10 99.7E–.20 35 3.9b 21 7-145
IDC XII 05 19 09 07.8–2.4 2.10S 99.63E 0 3.8,3.7b ¶12075916
ISCJB XII 05 19 09 11.0–1.0 1.9S–.10 99.8E–.20 33 3.9b,3.7b
NEIC XII 05 19 09 13.0–.86 1.99S 99.72E 35 4.0b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=86.1km s-min=18.6km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=32.6km s-min=11.0km az=144.4.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=9.8km az=54.0.
ISC XII 06 12 44 57.0–3.2 1.9S–.20 100.2E–.20 54–24 3.5b 11 1-57
IDC XII 06 12 44 51.5–3.7 1.67S 100.67E 0 3.5,3.4b ¶12076028
ISCJB XII 06 12 44 57.6–3.5 1.8S–.30 100.4E–.30 73–21 3.5b,3.4b
DJA XII 06 12 44 58 1.88S 100.31E 15 3.5,3.4b
IDC Error ellipse: s-maj=159.0km s-min=21.9km az=56.0.
ISCJB Error ellipse: s-maj=71.3km s-min=10.5km az=141.3.
DJA XII 08 01 20 08 5.34S 102.72E 13 3.5
¶12923329
DJA XII 08 15 32 00 0.59S 100.61E 15 3.6
¶12923338
IDC XII 11 08 42 52.9–5.7 1.32S 100.32E 0 3.8,3.7b
¶12076876
IDC Error ellipse: s-maj=296.5km s-min=23.0km az=54.0.
ISC XII 11 14 56 06.5–1.1 5.92S–.05 104.98E–.05 3–6 4.0b,3.6s 46 1-144
IDC XII 11 14 56 04.3–1.4 6.25S 104.76E 0 4.2,4.0 ¶12076940
ISCJB XII 11 14 56 05.7–1.7 5.92S–.05 104.98E–.06 4–11 4.0b,3.6s
NEIC XII 11 14 56 05.8–1.1 6.22S 104.83E 10 4.3b,3.6s
DJA XII 11 14 56 10 5.78S 105.15E 10 4.7,3.6s
ISC Event type fe.
IDC Error ellipse: s-maj=81.6km s-min=16.0km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=12.4km s-min=5.4km az=141.4.
NEIC Event type fe. Error ellipse: s-maj=63.2km s-min=10.8km az=48.0. Felt [II] at Tanjungkarang-Telukbetung, Sumatra.
ISC XII 11 17 06 09.6–.14 3.62S–.02 100.71E–.02 30 5.6b,5.4s 693 2-177
SZGRF XII 11 17 05 52.5 6.82S 101.97E 30 5.7b,5.2s ¶12076955
BJI XII 11 17 06 03.6 4.08S 100.76E 30 5.8s,5.8
NEIC XII 11 17 06 06.9–2.2 3.65S 100.75E 14–13 5.7b,5.5W
ISCJB XII 11 17 06 07.5–.14 3.60S–.02 100.74E–.02 28 5.6b,5.4s
IDC XII 11 17 06 08.6–.50 3.66S 100.74E 26–2 5.2,5.2b
MOS XII 11 17 06 08.7–1.1 3.50S 100.82E 33 5.9b,5.2s
DJA XII 11 17 06 09 3.72S 100.55E 29 5.4W,5.2s
GCMT XII 11 17 06 11.0–.10 3.94S 100.42E 16 5.7W,5.2s
ISC Event type se.
SZGRF Southwest of Sumatera, Indonesia.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=3.6km az=223.0. Felt [II] at Bengkulu, Sumatra. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}1.31 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$0.16 $M_{r\theta}$1.45 $M_{\theta\phi}$0.83 $M_{\phi r}$-1.03 Best double couple: NP1:ϕ_s276.00000°,δ23.00000° ,λ64.00000°. NP2:ϕ_s124.00000°,δ70.00000°,λ100.00000°. Principal axes: T 2.1600,Plg63.0000°,Azm50.0000°; N 0.4400,Plg9.0000°,Azm300.0000° ; P -2.5900,Plg24.0000°,Azm206.0000° $M_0$2.40000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.1km az=29.8.
IDC Error ellipse: s-maj=13.3km s-min=8.6km az=48.0.
MOS Error ellipse: s-maj=8.5km s-min=4.3km az=114.8.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta= 91, comp=156, per= 50. Moment Tensor Solution. s84,c150; s24,c24; Moment tensor: Scale 10^{17}Nm; M_{rr}1.30±.03 $M_{\theta\theta}$-0.80±.02; $M_{\phi\phi}$-0.50±.03; $M_{r\theta}$3.16±.08; $M_{\theta\phi}$0.90±.02; $M_{\phi r}$-2.13±.09; Best double couple: NP1:ϕ_s319.00000°,δ11.00000°,λ104.00000°. NP2:ϕ_s124.00000°,δ80.00000°,λ87.00000°. Principal axes: T 3.9500,Plg55.0000°,Azm31.0000°; N 0.2500,Plg3.0000°,Azm125.0000° ; P -4.2000,Plg35.0000°,Azm217.0000° $M_0$4.10000×10^{17}
IDC XII 11 22 00 06.6–4.1 3.63S 100.71E 0 3.7,3.6
¶12077013
IDC Error ellipse: s-maj=160.1km s-min=21.7km az=58.0.
IDC XII 13 10 47 55.4–9.4 3.56S 102.28E 0 3.6,3.4b
¶12077290
IDC Error ellipse: s-maj=333.8km s-min=32.6km az=62.0.
IDC XII 14 03 09 09.2–5.0 5.26S 104.91E 0 3.6,3.4b
¶12077382
IDC Error ellipse: s-maj=268.0km s-min=30.2km az=51.0.
ISC XII 14 16 25 10.3–.71 2.38S–.05 99.79E–.06 36 3.9b 30 2-145
ISCJB XII 14 16 25 07.9–.69 2.40S–.05 99.72E–.06 34 3.9b ¶12077472
DJA XII 14 16 25 11 2.30S 99.86E 39 4.4
IDC XII 14 16 25 12.2–1.7 2.14S 100.37E 34–4 3.6,3.5
NEIC XII 14 16 25 12.3–1.2 2.19S 100.35E 36 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=7.1km az=166.1.
IDC Error ellipse: s-maj=70.3km s-min=15.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=44.0km s-min=11.7km az=64.0.
ISC XII 15 21 18 11.1–.16 2.83S–.03 101.00E–.02 53 5.3b,4.6s 502 1-177
BJI XII 15 21 18 01.5 3.68S 100.87E 55 5.3b,5.2b ¶12077665
MOS XII 15 21 18 07.3–.94 2.65S 101.24E 33 5.6b,4.6s
ISCJB XII 15 21 18 09.2–.16 2.82S–.03 101.01E–.02 51 5.3b,4.6s
IDC XII 15 21 18 10.8–1.2 2.75S 101.15E 50–9 4.8,4.8
DJA XII 15 21 18 10.3–.30 3S–2.0 101E–3.0 46–3 5.7,5.7b
NEIC XII 15 21 18 10.1–.83 2.83S 101.04E 49–7 5.3b,5.2W
GCMT XII 15 21 18 13.2–.20 3.00S 100.88E 50–1 5.3W,5.2W
SZGRF XII 15 21 18 30.2 3.28N 101.46E 33 5.3b,4.5s
ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=4.8km az=115.6.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=2.5km az=40.7.
IDC Error ellipse: s-maj=13.6km s-min=8.1km az=59.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.3km az=60.0. Felt [III] at Mukomuko and [II] at Bengkulu and Kapahiang. Moment Tensor Solution. s27 Moment tensor: Scale 10^{16} Nm; M_{rr}3.94 $M_{\theta\theta}$2.58 $M_{\phi\phi}$-6.53 $M_{r\theta}$4.39 $M_{\theta\phi}$1.87 $M_{\phi r}$-1.59 Best double couple: NP1: ϕ_s135.00000°,δ68.00000°,λ49.00000°. NP2:ϕ_s22.00000°,δ45.00000°,λ149.00000°. Principal axes: T 7.7000,Plg49.0000°,Azm359.0000°; N -0.2300,Plg37.0000°,Azm152.0000° ; P -7.4900,Plg13.0000°,Azm253.0000° $M_0$7.60000×10^{16}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s73,c111; s75,c137; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s328.00000°,δ26.00000°,λ110.00000°. NP2:ϕ_s126.00000° ,δ66.00000°,λ80.00000°. Principal axes: T 1.0400,Plg68.0000°,Azm18.0000° ; N 0.0500,Plg9.0000°,Azm130.0000°; P -1.0900,Plg20.0000°,Azm223.0000° $M_0$1.10000×10^{17}
SZGRF Malay Peninsula.
ISC XII 17 18 09 38.8–2.3 2.4S–.40 100.6E–.50 35 3.8b 14 21-145
IDC XII 17 18 09 33.4–2.6 2.46S 100.58E 0 3.8,3.6b ¶12077937
ISCJB XII 17 18 09 36.4–2.4 2.4S–.40 100.6E–.60 33 3.8b,3.6b
NEIC XII 17 18 09 38.9–1.6 2.38S 100.66E 35 3.8b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=111.3km s-min=23.8km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=97.8km s-min=13.3km az=146.0.
NEIC Event type se. Error ellipse: s-maj=71.6km s-min=12.1km az=57.0.
ISC XII 17 19 54 08.6–1.4 1.8S–.10 100.4E–.20 73–10 3.8b 23 1-144
IDC XII 17 19 53 58.6–3.0 1.98S 100.24E 0 3.8,3.7b ¶12077958
NEIC XII 17 19 54 02.2–1.4 2.28S 99.86E 35 4.2b,3.7b
ISCJB XII 17 19 54 07.2–1.4 1.8S–.10 100.4E–.20 80–9 3.8b,3.7b
DJA XII 17 19 54 07 1.79S 100.53E 7 3.8,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=126.8km s-min=19.7km az=57.0.
NEIC Event type se. Error ellipse: s-maj=48.6km s-min=12.0km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=33.2km s-min=9.3km az=150.9.
ISC XII 17 23 14 09.8–.50 5.85S–.04 104.02E–.04 63–5 4.3b 59 1-145
IDC XII 17 23 14 01.6–.93 5.83S 103.90E 0 4.4,4.3 ¶12077990
ISCJB XII 17 23 14 08.5–.53 5.88S–.04 103.98E–.04 71–5 4.2b,4.3
NEIC XII 17 23 14 08.6–1.3 5.84S 103.96E 53–13 4.4b,4.3
DJA XII 17 23 14 09 5.85S 104.03E 27 4.5,4.3
ISC Event type se.
IDC Error ellipse: s-maj=40.9km s-min=12.3km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.9km az=44.6.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.3km az=218.0.
ISC XII 19 01 27 21.6–.64 1.77S–.03 99.71E–.05 36–5 4.7b,3.8s 155 1-160
IDC XII 19 01 27 15.7–.42 1.72S 99.66E 0 4.6,4.5 ¶11513597
DJA XII 19 01 27 18 1.80S 99.61E 10 5.1,4.5
ISCJB XII 19 01 27 19.8–.72 1.77S–.03 99.69E–.05 38–6 4.7b,3.8s
NEIC XII 19 01 27 20.2–.20 1.75S 99.76E 28 4.7b,3.8s
BJI XII 19 01 27 21.0 1.52S 100.02E 26 5.0b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=19.7km s-min=10.1km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.5km az=152.2.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=4.3km az=60.0. Felt [III] at Padang and Painan, Sumatra.
ISC XII 19 01 34 42.1–1.8 1.6S–.10 99.8E–.20 64–15 4.0b 28 1-146
IDC XII 19 01 34 33.0–1.6 1.75S 99.74E 0 4.0,3.8b ¶12078135
NEIC XII 19 01 34 37.0–.66 1.74S 99.74E 27 4.2b,3.8b
DJA XII 19 01 34 38 1.59S 99.68E 10 4.2,3.8b
ISCJB XII 19 01 34 41.2–2.0 1.6S–.10 99.8E–.20 74–16 3.9b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 20 00 02 53.2–.53 4.49S–.04 102.24E–.04 56–5 4.5b 68 1-145
IDC XII 20 00 02 45.9–.69 4.35S 102.28E 0 4.3,4.2 ¶12078268
ISCJB XII 20 00 02 51.3–.60 4.54S–.04 102.21E–.05 60–6 4.5b,4.2
DJA XII 20 00 02 51 4.57S 102.19E 28 4.7b,4.2
NEIC XII 20 00 02 51.0–.31 4.43S 102.29E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=14.8km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=144.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.0km az=60.0.
DJA XII 23 06 28 34 4.89S 102.92E 12 3.6
¶12923482
DJA XII 23 08 47 14 2.26S 100.51E 10 3.8
¶12923484
DJA XII 23 14 23 18 0.66S 99.28E 10 3.9
¶12923487
ISC XII 23 15 15 50.1–.53 2.50S–.09 102.0E–.10 68–7 4.4b 50 1-144
IDC XII 23 15 15 41.3–.90 2.47S 101.96E 0 4.2,4.1b ¶12078687
NEIC XII 23 15 15 46.6–.46 2.44S 102.05E 35 4.8b,4.1b
ISCJB XII 23 15 15 49.3–.49 2.49S–.09 102.1E–.10 81–6 4.4b,4.1b
DJA XII 23 15 15 49 2.87S 101.68E 53 4.3,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=14.9km az=57.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=6.4km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=5.7km az=140.1.
IDC XII 27 09 02 35.6–4.2 3.34S 100.08E 0 3.8,3.7b
¶12079149
IDC Error ellipse: s-maj=181.4km s-min=21.2km az=55.0.
IDC XII 27 09 12 58.4–3.6 2.61S 101.01E 0 3.7,3.5b
¶12079152
IDC Error ellipse: s-maj=164.3km s-min=22.3km az=55.0.
IDC XII 29 06 10 20.8–8.0 4.67S 102.70E 0 3.6,3.3b
¶12079364
IDC Error ellipse: s-maj=340.6km s-min=56.0km az=54.0.

IDC	**XII**	**29 17 13 08.9–3.5**	**0.63S**	**101.79E**	**0**	**3.8,3.6b**		
								¶12079422
IDC	Error ellipse: s-maj=205.4km s-min=67.5km az=42.0.							
ISC	**XII**	**30 05 39 00.1–1.2**	**4.59S–.09**	**102.1E–.10**	**66–10**	**4.4b**	**67**	**1-147**
IDC	XII	30 05 38 50.6–.81	4.70S	101.83E	0	4.3,4.2		**¶12079495**
NEIC	XII	30 05 38 55.9–.49	4.79S	101.84E	35	4.7b,4.2		
ISCJB	XII	30 05 38 58.7–1.4	4.60S–.10	102.1E–.10	72–10	4.4b,4.2		
DJA	XII	30 05 38 58	4.61S	102.13E	10	4.7,4.2		
ISC	Event type se.							
IDC	Error ellipse: s-maj=29.7km s-min=16.3km az=54.0.							
NEIC	Event type se. Error ellipse: s-maj=21.6km s-min=7.7km az=50.0.							
ISCJB	Event type se. Error ellipse: s-maj=23.4km s-min=6.5km az=139.5.							
ISC	**XII**	**30 19 49 54.7–.58**	**4.30S–.02**	**101.14E–.02**	**31–4**	**5.9s,5.5b**	**690**	**2-176**
BJI	XII	30 19 49 50.6	4.82S	101.24E	46	6.3s,6.2b		**¶11524539**
ISCJB	XII	30 19 49 51.5–.58	4.30S–.02	101.15E–.02	22–4	5.9s,5.5b		
NEIC	XII	30 19 49 52.6–.16	4.30S	101.22E	20	5.9s,5.9W		
MOS	XII	30 19 49 53.7–1.2	4.18S	101.26E	33	5.8s,5.8b		
DJA	XII	30 19 49 53.4–.70	4S–2.0	101E–2.0	16–6	6.3,6.3		
IDC	XII	30 19 49 53.9–.40	4.26S	101.20E	25–2	5.7s,5.7		
GCMT	XII	30 19 49 56.6–.10	4.63S	100.89E	23–0	5.9W,5.7		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=4.4km s-min=2.7km az=35.1.							
NEIC	Event type se. Error ellipse: s-maj=6.3km s-min=4.2km az=54.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s125.00000°,δ80.00000° ,λ90.00000°. NP2:ϕ_s305.00000°,δ10.00000°,λ90.00000°. Principal axes: T Plg55.0000° ,Azm35.0000°; N Plg0.0000°,Azm0.0000°; P Plg35.0000°,Azm215.0000° Moment Tensor Solution. s89 Moment tensor: Scale 10^{17}Nm; M_{rr}5.34 $M_{\theta\theta}$-3.01 $M_{\phi\phi}$-2.33 $M_{r\theta}$4.88 $M_{\theta\phi}$3.01 $M_{\phi r}$-2.82 Best double couple: NP1:ϕ_s321.00000°,δ23.00000°,λ106.00000°. NP2: ϕ_s123.00000°,δ68.00000°,λ83.00000°. Principal axes: T 7.7800,Plg66.0000°,Azm21.0000° ; N 0.2300,Plg6.0000°,Azm125.0000°; P -8.0100,Plg22.0000°,Azm218.0000° M_o7.90000×10^{17}							
MOS	Error ellipse: s-maj=8.3km s-min=4.5km az=115.4.							
IDC	Error ellipse: s-maj=12.6km s-min=6.7km az=46.0.							
GCMT	Event type se. Data Used: II IU IC G. Surface waves: sta= 90, comp=163, per= 50. Moment Tensor Solution. s97,c200; s68,c88; Moment tensor: Scale 10^{17}Nm; M_{rr}5.35±.08 $M_{\theta\theta}$-2.80±.05; $M_{\phi\phi}$-2.55±.06; $M_{r\theta}$6.83±.17; $M_{\theta\phi}$3.33±.05; $M_{\phi r}$-3.40±.13; Best double couple: NP1:ϕ_s329.00000°,δ20.00000°,λ118.00000°. NP2:ϕ_s120.00000°,δ72.00000°,λ80.00000°. Principal axes: T 9.3900,Plg62.0000°,Azm15.0000°; N 0.2700,Plg9.0000°,Azm123.0000° ; P -9.6600,Plg27.0000°,Azm218.0000° M_o9.50000×10^{17}							
ISC	**XII**	**30 20 05 30.3–.62**	**4.26S–.09**	**101.3E–.10**	**28**	**4.3b**	**57**	**10-146**
ISCJB	XII	30 20 05 27.7–.63	4.31S–.10	101.3E–.10	27	4.3b		**¶11527869**
NEIC	XII	30 20 05 27.1–.49	4.31S	101.25E	10	4.5b		
IDC	XII	30 20 05 30.1–1.3	4.26S	101.19E	27–4	3.9b,3.9		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=19.6km s-min=7.3km az=137.6.							
NEIC	Event type se. Error ellipse: s-maj=16.1km s-min=5.8km az=50.0.							
IDC	Error ellipse: s-maj=47.5km s-min=13.9km az=55.0.							
ISC	**XII**	**30 20 32 38.9–.32**	**4.34S–.04**	**101.16E–.04**	**10**	**4.9b**	**184**	**2-150**
ISCJB	XII	30 20 32 36.9–.31	4.35S–.04	101.13E–.04	10	4.9b		**¶11524541**
IDC	XII	30 20 32 37.1–.87	4.27S	101.16E	0	4.5b,4.5		
NEIC	XII	30 20 32 38.0–.34	4.37S	101.19E	10	5.1b,4.5		
MOS	XII	30 20 32 40.9–1.2	4.11S	101.36E	33	5.2b,4.5		
DJA	XII	30 20 32 41.0–.30	4S–3.0	101E–3.0	10–0	5.0,5.0		
BJI	XII	30 20 32 44.2	4.40S	100.80E	60	5.3b,4.8s		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=44.3.							
IDC	Error ellipse: s-maj=31.5km s-min=12.6km az=51.0.							
NEIC	Event type se. Error ellipse: s-maj=11.4km s-min=6.3km az=57.0.							
MOS	Error ellipse: s-maj=13.4km s-min=7.4km az=112.1.							
IDC	**XII**	**30 20 32 45.3–.40**	**4.33S**	**101.14E**	**24–2**	**4.6,4.4b**		
								¶15850665
IDC	Error ellipse: s-maj=12.6km s-min=9.8km az=46.0.							
IDC	**XII**	**30 22 10 00.6–4.6**	**3.52S**	**100.73E**	**0**	**4.0s,4.0**		
								¶12079600
IDC	Error ellipse: s-maj=197.8km s-min=24.7km az=55.0.							
ISC	**XII**	**31 00 06 29.1–.46**	**4.37S–.06**	**101.25E–.08**	**35**	**4.0b,3.5s**	**35**	**9-146**
IDC	XII	31 00 06 23.9–1.8	4.38S	101.25E	0	4.1,4.0		**¶12079620**
NEIC	XII	31 00 06 25.6–.30	4.36S	101.24E	10	4.1b,4.0		
ISCJB	XII	31 00 06 26.6–.46	4.38S–.06	101.21E–.08	33	4.0b,3.5s		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							

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ISC	**VII**	**03 14 08 21.2–.67**	**5.57S–.07**	**109.13E–.06**	**35**	**3.6b**	**20**	**2-62**
DJA	VII	03 14 08 10	9.86S	108.34E	139	4.4		**¶12697976**
ISCJB	VII	03 14 08 18.6–.67	5.54S–.06	109.16E–.06	33	3.6b		
IDC	VII	03 14 08 20.4–2.4	6.13S	108.45E	46–9	3.7,3.6b		
ISCJB	Error ellipse: s-maj=10.7km s-min=6.7km az=40.3.							
IDC	Error ellipse: s-maj=119.8km s-min=23.4km az=54.0.							
ISC	**VIII**	**30 00 51 14.0–.55**	**5.93S–.08**	**113.23E–.06**	**554–4**	**3.6b**	**33**	**2-59**
IDC	VIII	30 00 51 09.8–4.7	6.07S	112.80E	516–72	3.3,3.2		**¶12581557**
ISCJB	VIII	30 00 51 12.9–.53	5.95S–.09	113.14E–.06	567–5	3.6b,3.2		
DJA	VIII	30 00 52 42	7.30S	113.11E	300	3.5,3.2		
IDC	Error ellipse: s-maj=61.7km s-min=12.8km az=56.0.							
ISCJB	Error ellipse: s-maj=14.7km s-min=8.5km az=11.3.							
ISC	**IX**	**16 01 59 57.2–.19**	**5.82S–.04**	**110.22E–.03**	**565–2**	**4.5b**	**159**	**1-158**
BJI	IX	16 01 59 53.0	5.70S	110.30E	503	4.6b,4.5b		**¶11277586**
ISCJB	IX	16 01 59 56.4–.19	5.84S–.04	110.21E–.03	573–2	4.5b,4.5b		
IDC	IX	16 01 59 58.0–1.5	5.66S	110.35E	571–17	3.7b,3.7		
NEIC	IX	16 01 59 57.0–.54	5.70S	110.30E	563–6	4.4b,3.7		
DJA	IX	16 01 59 58	5.81S	110.24E	558	4.6,3.7		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=6.8km s-min=4.3km az=21.7.							
IDC	Error ellipse: s-maj=18.1km s-min=8.1km az=56.0.							
NEIC	Event type se. Error ellipse: s-maj=12.2km s-min=5.9km az=49.0.							
ISC	**IX**	**20 18 49 55.6–.64**	**5.9S–.10**	**111.15E–.08**	**541–9**	**2.9b**	**18**	**1-58**
IDC	IX	20 18 49 04.8–3.9	5.76S	110.43E	0	3.4,3.3b		**¶11910719**
ISCJB	IX	20 18 49 54.5–.64	5.9S–.10	111.16E–.09	549–9	2.9b,3.3b		
DJA	IX	20 18 49 54	6.04S	111.18E	571	4.1,3.3b		
IDC	Error ellipse: s-maj=252.2km s-min=25.8km az=50.0.							
ISCJB	Error ellipse: s-maj=20.1km s-min=11.7km az=20.7.							
ISC	**X**	**11 19 57 29.5–.14**	**5.69S–.03**	**110.09E–.02**	**543–1**	**4.9b**	**462**	**1-158**
NEIC	X	11 19 57 28.5–.17	5.61S	110.12E	533	4.9b		**¶11345030**
ISCJB	X	11 19 57 28.8–.15	5.70S–.03	110.07E–.02	549–2	4.9b		
MOS	X	11 19 57 29.5–.90	5.49S	110.23E	557	5.0b		
DJA	X	11 19 57 29.4–.10	6S–3.0	110E–2.0	546–3	5.4b,5.3		
IDC	X	11 19 57 29.3–.54	5.55S	110.15E	535–5	4.2b,4.2		
GCMT	X	11 19 57 32.3–.50	5.51S	110.32E	550–3	5.2W,4.2		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=7.2km s-min=4.9km az=58.0.							
ISCJB	Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=25.2.							
MOS	Error ellipse: s-maj=11.3km s-min=5.9km az=118.8.							
IDC	Error ellipse: s-maj=10.0km s-min=6.3km az=66.0.							
GCMT	Event type se. Data Used: IU IC II G. Moment Tensor Solution. s42,c50; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.79±.44 $M_{\theta\theta}$1.40±.60; $M_{\phi\phi}$4.39±.80; $M_{r\theta}$-3.21±.83; $M_{\theta\phi}$-5.29±.66; $M_{\phi r}$1.34±.71; Best double couple: NP1:ϕ_s345.00000°,δ38.00000°,λ-56.00000°. NP2: ϕ_s124.00000°,δ60.00000°,λ-114.00000°. Principal axes: T 9.0100,Plg12.0000° ,Azm231.0000°; N -1.9500,Plg20.0000°,Azm137.0000°; P -7.0600,Plg66.0000° ,Azm349.0000° M_o8.00000×10^{16}							
DJA	**X**	**19 05 48 49**	**5.68S**	**116.10E**	**329**	**4.1**		
								¶12922841
ISC	**XI**	**11 04 17 53.9–.41**	**5.63S–.08**	**108.06E–.06**	**390–5**	**3.4b**	**34**	**1-57**
ISCJB	XI	11 04 17 52.7–.41	5.62S–.08	108.04E–.06	399–6	3.4b		**¶12073137**
DJA	XI	11 04 17 53	5.77S	108.00E	400	4.2		
IDC	XI	11 04 17 55.9–5.6	5.76S	107.74E	431–66	3.2,3.1b		
ISCJB	Error ellipse: s-maj=14.7km s-min=5.9km az=29.1.							
IDC	Error ellipse: s-maj=96.4km s-min=13.0km az=56.0.							
ISC	**XI**	**16 22 03 28.7–.20**	**5.82S–.04**	**110.58E–.03**	**560–3**	**4.4b**	**133**	**1-158**
ISCJB	XI	16 22 03 27.8–.21	5.83S–.04	110.55E–.03	565–3	4.4b		**¶12073794**
NEIC	XI	16 22 03 29.3–.75	5.69S	110.69E	567–9	4.2b		
DJA	XI	16 22 03 29	5.88S	110.57E	552	4.8		
IDC	XI	16 22 03 30.0–1.1	5.74S	110.77E	571–13	3.6b,3.6		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=28.5.							
NEIC	Event type se. Error ellipse: s-maj=10.8km s-min=5.7km az=58.0.							
IDC	Error ellipse: s-maj=12.7km s-min=6.7km az=56.0.							
ISC	**XII**	**13 15 24 14.9–.18**	**5.66S–.03**	**110.09E–.03**	**544–2**	**4.5b**	**305**	**1-148**
BJI	XII	13 15 24 13.1	5.60S	110.20E	547	4.7b,4.6b		**¶12077308**
ISCJB	XII	13 15 24 14.0–.18	5.65S–.03	110.10E–.03	550–2	4.5b,4.6b		
DJA	XII	13 15 24 14	5.73S	110.08E	547	4.8b,4.6b		
MOS	XII	13 15 24 14.8–.88	5.48S	110.20E	557	4.5b,4.6b		
IDC	XII	13 15 24 15.3–.81	5.58S	110.22E	546–8	3.9b,3.9		
NEIC	XII	13 15 24 15.5–.43	5.59S	110.17E	551–5	4.7b,3.9		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.5km s-min=4.0km az=31.2.							
MOS	Error ellipse: s-maj=12.2km s-min=6.4km az=115.2.							
IDC	Error ellipse: s-maj=11.1km s-min=5.8km az=56.0.							
NEIC	Event type se. Error ellipse: s-maj=6.6km s-min=3.7km az=54.0.							

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ISC	**VII**	**02 16 36 34.0–.94**	**6.06S–.06**	**104.01E–.06**	**54–8**	**4.1b**	**48**	**1-145**
IDC	VII	02 16 36 26.6–1.2	6.01S	103.91E	0	4.0,3.9b		**¶11799278**
NEIC	VII	02 16 36 31.7–.71	6.04S	103.96E	35	4.3b,3.9b		
ISCJB	VII	02 16 36 32.6–.98	6.08S–.06	103.99E–.06	60–8	4.1b,3.9b		
DJA	VII	02 16 36 32	6.02S	104.13E	5	4.6,3.9b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=61.9km s-min=15.3km az=53.0.							
NEIC	Event type fe. Error ellipse: s-maj=36.6km s-min=7.0km az=51.0. Felt [II] at Krui and Liwa.							
ISCJB	Event type fe. Error ellipse: s-maj=13.1km s-min=5.4km az=137.4.							
ISC	**VII**	**03 16 28 23.1–.32**	**6.97S–.04**	**105.93E–.03**	**108–2**	**4.7b**	**208**	**0-156**
MOS	VII	03 16 28 17.5–.75	6.79S	106.13E	74	5.2b		**¶11008900**
BJI	VII	03 16 28 20.8	6.90S	106.00E	100	4.8b,4.8b		
NEIC	VII	03 16 28 21.8–.28	6.85S	106.04E	100	4.8b,4.8b		
IDC	VII	03 16 28 21.8–.68	6.87S	106.06E	94–5	4.2,4.1		
DJA	VII	03 16 28 22	7.12S	105.82E	86	5.3W,4.1		
ISCJB	VII	03 16 28 22.4–.34	6.93S–.04	105.95E–.03	117–2	4.7b,4.1		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							
ISC	**VII**	**11 10 27 51.6–.69**	**5.9S–.10**	**105.7E–.10**	**35**	**3.4b**	**19**	**0-32**
IDC	VII	11 10 27 32.5–4.5	4.63S	104.49E	0	3.7,3.5b		**¶12698135**
DJA	VII	11 10 27 48	6.09S	105.43E	4	3.4,3.5b		
ISCJB	VII	11 10 27 50.5–.69	6.00S–.08	105.61E–.07	33	3.4b,3.5b		
DJA	**VIII**	**18 05 06 44**	**6.90S**	**104.47E**	**70**	**3.5**		
								¶12922327
ISC	**VIII**	**26 03 07 33.1–.11**	**6.35S–.02**	**104.42E–.02**	**49**	**5.7b,5.3s**	**919**	**1-178**
NEIC	VIII	26 03 07 29.5–1.4	6.34S	104.47E	22–9	5.7b,5.7W		**¶11208020**
MOS	VIII	26 03 07 30.3–1.1	6.11S	104.52E	33	5.9b,5.3s		
IDC	VIII	26 03 07 31.2–1.3	6.21S	104.58E	33–9	5.3,5.3b		
DJA	VIII	26 03 07 31	6.56S	104.28E	26	6.2W,5.3b		
ISCJB	VIII	26 03 07 31.2–.11	6.35S–.02	104.42E–.02	47	5.7b,5.3s		
GCMT	VIII	26 03 07 34.7–.10	6.57S	104.49E	38–0	5.7W,5.3s		
SZGRF	VIII	26 03 07 50.7	2.86S	101.94E	33	5.5b,5.3s		
ISC	Event type fe.							
NEIC	Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=220.0. Felt [IV] at Kotaagung and Tanjungkarang-Telukbetung, Sumatra. Felt [III] at Jakarta and [II] at Tasikmalaya, Java. Also felt at Bogor, Java. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.04 $M_{\theta\theta}$0.27 $M_{\phi\phi}$1.77 $M_{r\theta}$1.83 $M_{\theta\phi}$-1.15 $M_{\phi r}$1.37 Best double couple: NP1:ϕ_s184.00000° ,δ60.00000°,λ-50.00000°. NP2:ϕ_s305.00000°,δ48.00000°,λ-138.00000°. Principal axes: T 2.4400,Plg7.0000°,Azm247.0000°; N 1.1900,Plg33.0000°,Azm342.0000° ; P -3.6200,Plg55.0000°,Azm146.0000° M_o3.20000×10^{17}							
MOS	Error ellipse: s-maj=8.9km s-min=4.3km az=121.1.							
IDC	Error ellipse: s-maj=11.5km s-min=7.5km az=45.0.							
ISCJB	Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=26.0.							
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=208, per= 50. Moment Tensor Solution. s99,c182; s21,c21; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.65±.05 $M_{\theta\theta}$-1.33±.04; $M_{\phi\phi}$2.98±.04; $M_{r\theta}$2.12±.06; $M_{\theta\phi}$-1.38±.03; $M_{\phi r}$2.00±.07; Best double couple: NP1:ϕ_s310.00000°,δ45.00000°,λ-155.00000°. NP2:ϕ_s202.00000°,δ73.00000°,λ-48.00000°. Principal axes: T 3.8000,Plg17.0000°,Azm262.0000°; N 0.6000,Plg40.0000°,Azm7.0000° ; P -4.4000,Plg45.0000°,Azm154.0000° M_o4.10000×10^{17}							
SZGRF	Southern Sumatera, Indonesia.							
DJA	**VIII**	**26 03 17 39**	**6.54S**	**104.38E**	**10**	**3.5**		
								¶12922402
DJA	**VIII**	**26 04 14 37**	**6.54S**	**104.41E**	**10**	**3.6**		
								¶12922406
DJA	**VIII**	**26 05 04 28**	**6.37S**	**104.60E**	**7**	**3.0**		
								¶12922407
ISC	**VIII**	**26 05 56 20.7–1.8**	**6.7S–.10**	**104.4E–.10**	**41–21**	**3.4b**	**13**	**1-145**
IDC	VIII	26 05 56 14.6–6.7	6.60S	104.16E	0	3.6,3.4b		**¶12581424**
ISCJB	VIII	26 05 56 19.5–1.6	6.7S–.10	104.4E–.10	50–18	3.4b,3.4b		
DJA	VIII	26 05 56 21	6.54S	104.42E	15	3.5,3.4b		
IDC	Error ellipse: s-maj=307.6km s-min=34.3km az=48.0.							
ISCJB	Error ellipse: s-maj=17.2km s-min=16.5km az=40.1.							
DJA	**VIII**	**28 04 24 25**	**6.50S**	**104.50E**	**10**	**3.5**		
								¶12922435
DJA	**VIII**	**31 08 27 38**	**6.51S**	**104.42E**	**17**	**3.5**		
								¶12922468
ISC	**VIII**	**31 10 05 22.1–.88**	**6.39S–.08**	**104.38E–.07**	**61–7**	**4.3b**	**55**	**1-148**
IDC	VIII	31 10 05 13.9–1.2	6.29S	104.42E	0	4.3,4.2		**¶11909163**
NEIC	VIII	31 10 05 19.5–.87	6.29S	104.42E	35	4.4b,4.2		
ISCJB	VIII	31 10 05 20.7–.98	6.42S–.08	104.36E–.07	68–8	4.2b,4.2		
DJA	VIII	31 10 05 20	6.43S	104.38E	10	4.8,4.2		
ISC	Event type se.							
IDC	Error ellipse: s-maj=64.0km s-min=14.4km az=51.0.							
NEIC	Event type se. Error ellipse: s-maj=43.4km s-min=10.3km az=48.0.							
ISCJB	Event type se. Error ellipse: s-maj=17.6km s-min=5.3km az=39.6.							
ISC	**IX**	**02 01 43 52.1–1.1**	**6.42S–.09**	**104.39E–.08**	**69–9**	**4.0b**	**28**	**1-145**
IDC	IX	02 01 43 43.5–1.6	6.28S	104.45E	0	4.2,4.1b		**¶11909252**
NEIC	IX	02 01 43 48.8–.91	6.26S	104.53E	35	4.3b,4.1b		
ISCJB	IX	02 01 43 51.3–1.1	6.40S–.09	104.38E–.08	80–9	4.0b,4.1b		
DJA	IX	02 01 43 51	6.37S	104.43E	12	4.3,4.1b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=79.4km s-min=16.9km az=53.0.							
NEIC	Event type se. Error ellipse: s-maj=50.0km s-min=11.2km az=51.0.							
ISCJB	Event type se. Error ellipse: s-maj=18.9km s-min=7.9km az=37.1.							
DJA	**IX**	**10 04 45 23**	**6.45S**	**104.42E**	**11**	**3.6**		
								¶12922561
ISC	**X**	**02 08 14 45.4–.99**	**6.53S–.08**	**104.37E–.06**	**63–9**	**3.7b**	**47**	**1-145**
IDC	X	02 08 14 37.7–1.5	6.44S	104.38E	0	3.9,3.8b		**¶11911699**
NEIC	X	02 08 14 43.1–1.1	6.31S	104.60E	35	4.5b,3.8b		
ISCJB	X	02 08 14 44.2–1.0	6.54S–.08	104.35E–.06	70–9	3.6b,3.8b		
DJA	X	02 08 14 44	6.58S	104.47E	9	4.0,3.8b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=78.3km s-min=16.5km az=49.0.							
NEIC	Event type se. Error ellipse: s-maj=60.3km s-min=10.5km az=50.0.							
ISCJB	Event type se. Error ellipse: s-maj=15.9km s-min=6.0km az=35.0.							
ISC	**X**	**05 07 51 53.8–.89**	**6.12S–.05**	**105.37E–.04**	**8–6**	**3.5b**	**21**	**0-42**
IDC	X	05 07 51 42.3–45	4.61S	105.17E	0	3.8,3.6b		**¶12065977**
ISCJB	X	05 07 51 53.9–1.0	6.11S–.05	105.38E–.04	10–7	3.5b,3.6b		
DJA	X	05 07 51 54	6.11S	105.39E	2	3.3,3.6b		
IDC	Error ellipse: s-maj=793.6km s-min=227.4km az=139.0.							
ISCJB	Error ellipse: s-maj=8.9km s-min=5.1km az=38.9.							
ISC	**X**	**18 18 41 31.9–.34**	**6.17S–.03**	**104.69E–.03**	**74–2**	**5.0b**	**401**	**1-173**
MOS	X	18 18 41 26.1–1.1	5.84S	104.90E	33	5.4b		**¶11359830**
ISCJB	X	18 18 41 30.5–.37	6.17S–.03	104.68E–.03	77–3	5.0b		
DJA	X	18 18 41 31.4–.30	6S–3.0	105E–2.0	50–3	5.5b,5.3		
NEIC	X	18 18 41 32.1–.20	6.06S	104.75E	78	5.1b,5.3		
IDC	X	18 18 41 32.3–.62	5.98S	104.88E	76–4	4.6,4.6		
ISC	Event type se.							
MOS	Error ellipse: s-maj=11.0km s-min=5.9km az=118.8.							

ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.0km az=36.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.6km az=223.0.
IDC Error ellipse: s-maj=15.2km s-min=7.6km az=45.0.

ISC	**X**	**19 02 32 19.4–2.2**	**6.54S–.06**	**104.40E–.07**	**23–15**	**3.9b**	**22**	**1-145**
IDC	X	19 02 32 14.7–4.1	6.09S	104.75E	0	3.9,3.8		¶12069016
ISCJB	X	19 02 32 17.1–2.0	6.62S–.07	104.33E–.08	18–13	3.9b,3.8		
DJA	X	19 02 32 22	6.40S	104.53E	19	4.0,3.8		

IDC Error ellipse: s-maj=228.1km s-min=21.2km az=52.0.
ISCJB Error ellipse: s-maj=16.0km s-min=6.7km az=139.8.

IDC	**X**	**27 21 10 20.2–5.5**	**6.13S**	**104.20E**	**0**	**3.6b,3.6**		
								¶12071280

IDC Error ellipse: s-maj=251.1km s-min=30.9km az=49.0.

ISC	**XI**	**08 23 57 29.3–1.3**	**6.5S–.20**	**105.8E–.20**	**88–8**	**3.8b**	**18**	**0-144**
IDC	XI	08 23 57 16.5–2.0	6.90S	105.30E	0	3.9,3.8b		¶12072887
ISCJB	XI	08 23 57 28.7–1.2	6.4S–.20	105.9E–.20	98–7	3.8b,3.8b		
DJA	XI	08 23 57 30	6.02S	106.15E	94	3.6,3.8b		

IDC Error ellipse: s-maj=102.0km s-min=19.2km az=53.0.
ISCJB Error ellipse: s-maj=40.9km s-min=9.9km az=44.9.

ISC	**XI**	**14 00 27 32.0–.26**	**5.84S–.04**	**105.58E–.03**	**166–2**	**4.5b**	**235**	**0-157**
BJI	XI	14 00 27 13.3	5.60S	105.90E	25	5.0b,4.7b		¶11473018
MOS	XI	14 00 27 19.6–1.1	5.65S	105.70E	68	5.0b,4.7b		
NEIC	XI	14 00 27 20.1–.81	5.67S	105.70E	63–7	4.7b,4.7b		
DJA	XI	14 00 27 31	6.08S	105.39E	144	5.3W,4.7b		
ISCJB	XI	14 00 27 31.1–.26	5.83S–.04	105.59E–.03	173–2	4.5b,4.7b		
IDC	XI	14 00 27 31.6–1.1	5.71S	105.64E	161–9	4.2,4.1b		

ISC Event type se.
MOS Error ellipse: s-maj=13.6km s-min=7.4km az=120.8.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.2km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.5km az=33.6.
IDC Error ellipse: s-maj=16.0km s-min=9.3km az=64.0.

ISC	**XI**	**14 09 39 24.1–2.0**	**6.03S–.08**	**105.14E–.08**	**3–12**	**3.9b**	**15**	**1-43**
DJA	XI	14 09 39 26	5.92S	105.22E	10	3.9		¶12073503
IDC	XI	14 09 39 32.0–55	6.56S	106.07E	0	4.0,3.8b		

IDC Error ellipse: s-maj=966.8km s-min=219.6km az=141.0.

ISC	**XII**	**11 20 55 06.8–.44**	**5.92S–.03**	**105.34E–.03**	**56–4**	**5.1b,4.4s**	**433**	**1-173**
IDC	XII	11 20 54 58.8–.34	5.84S	105.44E	0	5.0,5.0		¶12076994
BJI	XII	11 20 54 59.4	5.90S	105.30E	10	5.1b,5.0s		
MOS	XII	11 20 55 02.6–1.4	5.75S	105.50E	33	5.4b,5.0s		
DJA	XII	11 20 55 04.4–.20	6S–3.0	105E–2.0	10–0	5.5b,5.2		
NEIC	XII	11 20 55 04.2–.19	5.85S	105.33E	35	5.2b,5.2		
ISCJB	XII	11 20 55 05.6–.47	5.91S–.03	105.38E–.03	61–4	5.1b,5.2		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**XII**	**11 20 57 21.9–.94**	**6.16S–.04**	**105.25E–.04**	**8–5**	**5.0b,4.6s**	**253**	**1-157**
IDC	XII	11 20 57 19.6–.45	6.04S	105.43E	0	4.8,4.7b		¶12076997
BJI	XII	11 20 57 22.1	5.90S	105.20E	14	5.2s,5.1b		
ISCJB	XII	11 20 57 23.1–.84	6.14S–.04	105.28E–.04	27–6	5.0b,4.6s		
MOS	XII	11 20 57 23.9–1.8	5.98S	105.47E	33	5.3b,4.6s		
DJA	XII	11 20 57 24	6.18S	105.33E	10	4.9b,4.6s		
NEIC	XII	11 20 57 25.9–1.5	6.02S	105.32E	41–13	5.1b,4.6s		

ISC Event type fe.
IDC Error ellipse: s-maj=21.5km s-min=10.2km az=48.0.
ISCJB Event type fe. Error ellipse: s-maj=7.3km s-min=5.3km az=41.2.
MOS Error ellipse: s-maj=10.3km s-min=6.6km az=115.2.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=7.4km az=59.0. Felt at Jakarta, Java.

ISC	**XII**	**11 21 20 45.2–1.4**	**6.16S–.09**	**105.39E–.09**	**1–10**	**3.6b**	**17**	**1-32**
DJA	XII	11 21 20 46	6.15S	105.39E	10	3.8		¶12077006
IDC	XII	11 21 20 46.3–5.2	5.91S	106.02E	0	3.8,3.6		

IDC Error ellipse: s-maj=221.7km s-min=26.0km az=53.0.

ISC	**XII**	**15 10 12 05.0–.77**	**6.10S–.03**	**105.30E–.04**	**12–4**	**4.6b**	**109**	**1-149**
IDC	XII	15 10 12 02.8–.57	5.86S	105.39E	0	4.6,4.5		¶12077582
BJI	XII	15 10 12 02.2	6.00S	105.30E	10	5.2b,5.1s		
NEIC	XII	15 10 12 04.0–.31	5.92S	105.37E	10	4.7b,5.1s		
ISCJB	XII	15 10 12 05.7–.68	6.09S–.04	105.35E–.04	27–4	4.6b,5.1s		
DJA	XII	15 10 12 05	6.10S	105.34E	10	4.7,5.1s		
MOS	XII	15 10 12 06.4–1.3	5.87S	105.43E	33	5.0b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=13.3km az=48.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=6.6km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.3km az=143.1.
MOS Error ellipse: s-maj=20.6km s-min=11.0km az=131.5.

ISC	**XII**	**29 09 14 54.1–.67**	**6.2S–.20**	**105.9E–.20**	**130–4**	**3.6b**	**17**	**0-144**
IDC	XII	29 09 14 37.2–2.4	6.43S	105.19E	0	3.8b,3.8		¶12079381
ISCJB	XII	29 09 14 52.8–.58	6.1S–.20	106.0E–.20	136–5	3.6b,3.8		
DJA	XII	29 09 14 56	6.35S	105.90E	104	3.6,3.8		

IDC Error ellipse: s-maj=129.5km s-min=17.4km az=52.0.
ISCJB Error ellipse: s-maj=39.6km s-min=8.4km az=44.8.

(277) Jawa.

DJA	**VII**	**03 03 52 34**	**8.32S**	**108.18E**	**34**	**4.3**		
								¶12921746
DJA	**VII**	**03 07 01 09**	**7.88S**	**106.70E**	**24**	**3.8**		
								¶12921747
DJA	**VII**	**03 11 19 45**	**9.00S**	**111.34E**	**18**	**3.8**		
								¶12921748
DJA	**VII**	**05 05 18 31**	**7.57S**	**105.95E**	**13**	**3.5**		
								¶12921775

ISC	**VII**	**07 06 34 37.1–.54**	**8.15S–.06**	**107.89E–.04**	**74–5**	**4.3b**	**69**	**1-155**
IDC	VII	07 06 34 27.5–.68	7.99S	107.75E	0	4.5,4.4		¶11103520
NEIC	VII	07 06 34 32.6–.37	7.98S	107.81E	35	4.6b,4.4		
DJA	VII	07 06 34 34	8.38S	107.84E	18	5.1,4.4		
ISCJB	VII	07 06 34 35.7–.57	8.12S–.07	107.90E–.04	78–5	4.3b,4.4		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Pangandaran.
ISCJB Event type fe.

ISC	**VII**	**07 06 39 47.9–.74**	**8.1S–.10**	**108.00E–.06**	**82–7**	**3.9b**	**32**	**1-170**
IDC	VII	07 06 39 37.8–.75	7.98S	107.93E	0	4.1,4.0b		¶11810857
NEIC	VII	07 06 39 43.1–.41	7.95S	107.97E	35	4.4b,4.0b		
DJA	VII	07 06 39 45	8.29S	107.89E	29	4.6,4.0b		
ISCJB	VII	07 06 39 46.7–.74	8.1S–.10	107.99E–.06	90–7	3.9b,4.0b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**VII**	**07 15 57 41.7–1.2**	**8.1S–.20**	**107.9E–.10**	**89–14**	**3.2b**	**10**	**1-59**
IDC	VII	07 15 57 34.4–3.6	6.94S	108.82E	0	3.5,3.3b		¶12698066
ISCJB	VII	07 15 57 40.8–1.2	8.0S–.20	107.9E–.10	102–14	3.2b,3.3b		
DJA	VII	07 15 57 40	8.17S	107.85E	26	4.0,3.3b		

IDC Error ellipse: s-maj=193.3km s-min=29.1km az=49.0.
ISCJB Error ellipse: s-maj=33.9km s-min=11.4km az=25.4.

IDC	**VII**	**08 03 37 44.2–14**	**6.18S**	**107.92E**	**303–138**	**3.4,3.3b**		
								¶12698079

IDC Error ellipse: s-maj=203.2km s-min=17.4km az=54.0.

ISC	**VII**	**09 04 50 44.0–.68**	**7.69S–.09**	**107.00E–.06**	**82–5**	**4.2b**	**48**	**1-150**
IDC	VII	09 04 50 33.8–.80	7.56S	106.89E	0	4.3,4.2		¶11811054
DJA	VII	09 04 50 39	8.09S	106.79E	18	4.9,4.2		
ISCJB	VII	09 04 50 42.7–.69	7.70S–.09	107.00E–.06	90–5	4.2b,4.2		
NEIC	VII	09 04 50 42.3–2.7	7.85S	106.75E	67–23	4.5b,4.2		

ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=15.4km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=5.5km az=30.7.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=8.9km az=53.0.

ISC	**VII**	**09 11 32 08.0–.39**	**8.79S–.05**	**112.46E–.02**	**88–3**	**4.5b**	**106**	**1-155**
IDC	VII	09 11 31 57.1–.66	8.58S	112.38E	0	4.5,4.4		¶11108424
BJI	VII	09 11 31 59.4	8.90S	112.20E	35	4.9b,4.8b		
MOS	VII	09 11 32 00.9–.81	8.44S	112.49E	33	4.8b,4.8b		
NEIC	VII	09 11 32 01.4–.35	8.86S	112.19E	35	4.6b,4.8b		
ISCJB	VII	09 11 32 07.0–.40	8.78S–.05	112.47E–.02	95–3	4.5b,4.8b		
DJA	VII	09 11 32 07	8.90S	112.50E	27	4.9b,4.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=28.6km s-min=14.1km az=56.0.
MOS Error ellipse: s-maj=23.9km s-min=11.1km az=121.4.
NEIC Event type fe. Error ellipse: s-maj=15.1km s-min=5.7km az=56.0. Felt [II] at Karangkates, Lumajang and Turen.
ISCJB Event type fe. Error ellipse: s-maj=8.0km s-min=3.5km az=12.6.

ISC	**VII**	**09 15 36 52.5–.49**	**8.73S–.08**	**112.52E–.03**	**83–4**	**3.7b**	**48**	**1-87**
IDC	VII	09 15 36 41.8–1.1	8.78S	112.15E	0	3.9,3.8L		¶11811092
NEIC	VII	09 15 36 47.2–.74	8.68S	112.33E	35	4.3b,3.8L		
ISCJB	VII	09 15 36 51.6–.48	8.69S–.08	112.52E–.03	92–4	3.7b,3.8L		
DJA	VII	09 15 36 51	8.97S	112.51E	46	4.3,3.8L		

ISC Event type fe.
IDC Error ellipse: s-maj=57.7km s-min=16.3km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=47.5km s-min=7.6km az=48.0. Felt [II] at Blitar.
ISCJB Event type fe. Error ellipse: s-maj=13.5km s-min=3.7km az=10.3.

DJA	**VII**	**09 23 42 17**	**7.28S**	**106.60E**	**98**	**3.9**		
								¶12921812

ISC	**VII**	**12 10 34 10.7–.56**	**8.85S–.06**	**110.46E–.03**	**81–5**	**4.2b**	**76**	**1-148**
IDC	VII	12 10 34 00.0–.79	8.81S	110.33E	0	4.5L,4.4		¶11109387
NEIC	VII	12 10 34 01.3–.48	8.88S	110.33E	10	4.4b,4.4		
DJA	VII	12 10 34 07	9.07S	110.46E	10	5.1,4.4		
ISCJB	VII	12 10 34 09.4–.59	8.85S–.07	110.45E–.03	88–5	4.2b,4.4		

ISC Event type fe.
NEIC Event type fe. Felt [II] at Bantul, Imogiri and Tulungagung.
ISCJB Event type fe.

DJA	**VII**	**16 18 25 28**	**8.36S**	**108.77E**	**79**	**4.0**		
								¶12921919

ISC	**VII**	**18 21 05 44.8–1.8**	**7.4S–.20**	**106.0E–.10**	**68–11**	**3.7b**	**26**	**1-81**
IDC	VII	18 21 05 35.9–3.2	7.28S	105.84E	0	3.7b,3.7		¶11811974
NEIC	VII	18 21 05 41.6–.88	7.19S	105.98E	35	4.0b,3.7		
DJA	VII	18 21 05 42	7.51S	105.94E	11	3.9,3.7		
ISCJB	VII	18 21 05 43.0–1.6	7.4S–.20	105.9E–.10	75–10	3.7b,3.7		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

DJA	**VII**	**19 23 23 46**	**8.22S**	**107.91E**	**12**	**4.2**		
								¶12921958

ISC	**VII**	**20 06 11 08.8–.29**	**8.72S–.03**	**111.27E–.02**	**89–2**	**5.3b**	**506**	**1-173**
IDC	VII	20 06 10 57.8–.38	8.65S	111.24E	0	5.1,5.1b		¶13389627
TEH	VII	20 06 11 03.0	8.67S	111.25E	35	5.1,5.1b		
MOS	VII	20 06 11 04.2–1.1	8.41S	111.30E	52	5.6b,4.6s		
DJA	VII	20 06 11 07.6–.20	9S–3.0	111E–1.0	53–3	6.0b,6.0		
ISCJB	VII	20 06 11 07.3–.30	8.71S–.03	111.26E–.02	90–2	5.3b,6.0		
BJI	VII	20 06 11 08.2	8.60S	111.20E	83	5.3b,5.2b		
NEIC	VII	20 06 11 08.2–.98	8.64S	111.23E	78–8	5.3b,5.2b		
GCMT	VII	20 06 11 09.4–.20	9.25S	111.42E	71–1	5.3W,5.2b		

ISC Event type fe.
IDC Error ellipse: s-maj=15.6km s-min=11.4km az=74.0.
MOS Error ellipse: s-maj=8.6km s-min=5.0km az=113.5.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.0km az=12.0.
NEIC Event type fe. Error ellipse: s-maj=6.8km s-min=4.8km az=221.0. Felt [IV] at Bantul, Pacitan, Tulungagung and Wonogiri; [III] at Karangkates, Klaten, Sawahan, Trenggalek and Yogyakarta.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s76,c129; s87,c160; Moment tensor: Scale 10^{17}Nm; M_{rr}0.75±.03 $M_{\theta\theta}$-1.21±.02; $M_{\phi\phi}$0.46±.03; $M_{r\theta}$0.52±.02; $M_{\theta\phi}$0.32±.02; $M_{\phi r}$-0.55±.02; Best double couple: NP1:ϕ_s248.00000°,δ39.00000°,λ37.00000°. NP2:ϕ_s128.00000°,δ68.00000°,λ123.00000°. Principal axes: T 1.1900,Plg55.0000° ,Azm80.0000°; N 0.2500,Plg30.0000°,Azm294.0000°; P -1.4500,Plg16.0000°,Azm194.0000° M_o1.30000×10^{17}

DJA	**VII**	**24 10 41 24**	**7.95S**	**107.21E**	**40**	**3.8**		
								¶12922016
DJA	**VII**	**25 11 39 44**	**8.26S**	**108.58E**	**20**	**4.2**		
								¶12922028

ISC	**VII**	**26 18 20 31.3–.46**	**7.06S–.08**	**106.74E–.05**	**131–3**	**3.7b**	**56**	**0-146**
ISCJB	VII	26 18 20 30.4–.49	7.06S–.09	106.74E–.05	142–4	3.7b		¶11812664
IDC	VII	26 18 20 30.8–4.7	6.87S	106.82E	122–43	3.6,3.6		
DJA	VII	26 18 20 30	7.31S	106.60E	116	4.5,3.6		
NEIC	VII	26 18 20 33.3–1.9	6.73S	106.93E	143–18	4.1b,3.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=5.0km az=29.3.
IDC Error ellipse: s-maj=36.1km s-min=11.1km az=49.0.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=7.0km az=50.0.

DJA	**VII**	**28 12 02 34**	**7.91S**	**113.56E**	**5**	**3.6**		
								¶12922080
DJA	**VII**	**29 04 27 44**	**7.28S**	**106.27E**	**5**	**3.1**		
								¶12922098
DJA	**VIII**	**05 00 34 17**	**7.66S**	**106.05E**	**14**	**3.8**		
								¶12922196

ISC	**VIII**	**05 22 42 50.9–.30**	**6.83S–.06**	**106.12E–.04**	**35**	**4.3b,3.7s**	**77**	**0-144**
IDC	VIII	05 22 42 45.6–.80	6.82S	106.17E	0	4.3,4.3		¶11907809
ISCJB	VIII	05 22 42 48.8–.30	6.81S–.06	106.13E–.05	33	4.3b,3.7s		
NEIC	VIII	05 22 42 48.9–2.5	6.81S	106.19E	21–18	4.4b,3.7s		
DJA	VIII	05 22 42 53	7.25S	106.18E	31	4.7,3.7s		

ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=15.5km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.9km az=34.5.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=222.0.

ISC	**VIII**	**08 04 45 53.0–.53**	**8.18S–.07**	**107.58E–.04**	**84–4**	**4.7b**	**106**	**1-151**
BJI	VIII	08 04 45 45.1	8.96S	107.12E	77	5.0b,4.9b		¶11163329
DJA	VIII	08 04 45 49	8.46S	107.47E	18	5.0,4.9b		
ISCJB	VIII	08 04 45 51.6–.55	8.18S–.06	107.59E–.04	90–4	4.7b,4.9b		
NEIC	VIII	08 04 45 52.1–2.0	8.10S	107.65E	77–18	4.8b,4.9b		
IDC	VIII	08 04 45 55.8–4.7	8.13S	107.79E	112–42	4.2,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=4.4km az=28.4.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.1km az=58.0.
IDC Error ellipse: s-maj=16.9km s-min=10.2km az=51.0.

DJA	**VIII**	**08 15 14 16**	**7.03S**	**106.70E**	**89**	**3.5**		
								¶12922226
DJA	**VIII**	**09 09 21 43**	**8.57S**	**111.19E**	**76**	**3.7**		
								¶12922235

ISC	**VIII**	**09 20 51 27.3–.75**	**7.65S–.08**	**106.58E–.06**	**71–6**	**3.8b**	**50**	**1-144**
IDC	VIII	09 20 51 18.1–1.2	7.62S	106.29E	0	3.8,3.7b		¶11908009
NEIC	VIII	09 20 51 23.2–3.8	7.72S	106.24E	37–34	4.3b,3.7b		
DJA	VIII	09 20 51 24	7.83S	106.57E	11	4.3,3.7b		
ISCJB	VIII	09 20 51 25.8–.76	7.67S–.08	106.59E–.05	78–5	3.8b,3.7b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**VIII**	**15 02 10 53.8–.87**	**9.00S–.09**	**110.37E–.04**	**82–10**	**3.7b**	**28**	**1-66**
IDC	VIII	15 02 10 42.8–3.2	8.86S	110.19E	0	4.0,3.9b		¶12581088
ISCJB	VIII	15 02 10 52.4–.94	9.06S–.09	110.35E–.04	80–13	3.7b,3.9b		
DJA	VIII	15 02 10 54	9.04S	110.36E	48	4.2,3.9b		

IDC Error ellipse: s-maj=151.6km s-min=22.5km az=54.0.
ISCJB Error ellipse: s-maj=15.2km s-min=5.9km az=11.0.

DJA	**VIII**	**19 09 25 40**	**8.31S**	**107.62E**	**13**	**3.5**		
								¶12922332
DJA	**VIII**	**19 16 52 47**	**8.71S**	**111.10E**	**9**	**3.5**		
								¶12922337

ISC	**VIII**	**20 11 22 01.2–1.0**	**8.1S–.20**	**108.23E–.06**	**73–11**	**3.6b**	**18**	**1-143**
IDC	VIII	20 11 21 54.8–2.9	6.81S	109.64E	0	3.8,3.6b		¶12581231
ISCJB	VIII	20 11 22 00.1–1.1	8.1S–.20	108.22E–.06	78–12	3.6b,3.6b		
DJA	VIII	20 11 22 01	8.14S	108.26E	27	4.3,3.6b		

IDC Error ellipse: s-maj=177.0km s-min=26.1km az=51.0.
ISCJB Error ellipse: s-maj=27.8km s-min=8.3km az=14.9.

ISC	**VIII**	**20 16 19 56.1–.37**	**8.56S–.05**	**110.91E–.02**	**95–3**	**4.4b**	**114**	**0-155**
NEIC	VIII	20 16 19 53.4–.25	8.32S	110.88E	67	4.6b		¶11180573
ISCJB	VIII	20 16 19 54.7–.38	8.56S–.05	110.90E–.02	98–3	4.4b		
IDC	VIII	20 16 19 54.2–.80	8.34S	110.85E	72–6	4.1,4.1		
DJA	VIII	20 16 19 55	8.79S	110.90E	39	5.3,4.1		

ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=5.6km az=46.0. Felt [IV] at Yogyakarta and [II] at Karangkates.

ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=2.8km az=12.8.
IDC Error ellipse: s-maj=17.6km s-min=11.3km az=54.0.
DJA VIII 21 22 34 24 7.17S 108.88E 6 3.6 ¶12922353
DJA VIII 23 17 22 59 7.56S 108.53E 66 3.3 ¶12922379
ISC VIII 24 01 12 20.1–.59 6.8S–.10 106.47E–.07 109–5 3.7b 23 0-58
IDC VIII 24 01 12 13.8–3.7 7.28S 107.01E 0 4.0,3.8b **¶12581329**
ISCJB VIII 24 01 12 19.0–.59 6.8S–.10 106.47E–.07 115–5 3.7b,3.8b
DJA VIII 24 01 12 21 6.82S 106.46E 92 3.7,3.8b
IDC Error ellipse: s-maj=215.8km s-min=24.9km az=51.0.
ISCJB Error ellipse: s-maj=20.3km s-min=6.1km az=31.7.
DJA VIII 24 03 17 00 8.69S 111.45E 18 3.8 ¶12922384
ISC VIII 25 13 54 06.3–.57 6.37S–.09 110.41E–.06 121–9 3.7b 26 1-39
IDC VIII 25 13 53 51.1–2.5 5.73S 110.63E 0 4.1,3.9b **¶12581380**
ISCJB VIII 25 13 54 05.1–.57 6.36S–.09 110.41E–.06 130–9 3.7b,3.9b
DJA VIII 25 13 54 05 6.32S 110.36E 22 4.6,3.9b
IDC Error ellipse: s-maj=150.5km s-min=24.2km az=53.0.
ISCJB Error ellipse: s-maj=15.2km s-min=7.8km az=23.2.
ISC VIII 29 01 46 43.6–.61 7.14S–.09 108.46E–.05 49–9 3.7b 19 1-59
IDC VIII 29 01 46 37.4–3.2 7.16S 108.41E 0 3.9,3.7b **¶11909043**
ISCJB VIII 29 01 46 42.7–.58 7.14S–.09 108.45E–.05 60–8 3.7b,3.7b
DJA VIII 29 01 46 42 7.07S 108.53E 14 4.0,3.7b
NEIC VIII 29 01 46 43.1–2.8 7.02S 108.61E 35 4.0,3.7b
ISC Event type fe.
IDC Error ellipse: s-maj=181.0km s-min=19.9km az=52.0.
ISCJB Event type fe. Error ellipse: s-maj=16.3km s-min=7.2km az=16.2.
NEIC Event type fe. Error ellipse: s-maj=160.0km s-min=14.3km az=51.0. Felt [II] at Ciamis.
ISC IX 01 16 42 50.4–.86 8.5S–.20 112.1E–.10 173–6 3.6b 14 1-66
DJA IX 01 16 42 54 8.31S 112.00E 134 2.9 **¶11909234**
IDC IX 01 16 42 59.6–21 7.90S 112.21E 228–211 3.2L,3.2b
IDC Error ellipse: s-maj=339.3km s-min=43.7km az=53.0.
DJA IX 02 04 07 25 7.64S 106.73E 35 3.7 ¶12922495
ISC IX 04 01 49 46.9–.51 6.52S–.10 106.07E–.08 109–3 4.0b 33 0-150
NEIC IX 04 01 49 44.0–4.9 6.02S 106.32E 76–43 4.0b **¶11909422**
ISCJB IX 04 01 49 46.0–.51 6.54S–.09 106.06E–.08 114–4 4.0b
DJA IX 04 01 49 49 6.69S 105.95E 41 4.2
IDC IX 04 01 49 51.4–3.5 5.91S 106.57E 142–31 3.9,3.8b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=45.2km s-min=10.9km az=50.0. Felt [III] at Pinang.
ISCJB Event type fe. Error ellipse: s-maj=19.5km s-min=6.0km az=38.8.
IDC Error ellipse: s-maj=61.7km s-min=10.5km az=46.0.
ISC IX 10 05 06 14.7–.60 7.98S–.07 108.00E–.04 91–5 4.4b 71 0-150
IDC IX 10 05 06 04.0–.56 7.74S 107.94E 0 4.5,4.4 **¶11255619**
DJA IX 10 05 06 12 8.17S 107.96E 25 5.0,4.4
NEIC IX 10 05 06 15.8–3.0 7.69S 108.07E 94–27 4.4b,4.4
ISC Event type fe.
IDC Error ellipse: s-maj=28.7km s-min=14.0km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=17.0km s-min=7.6km az=52.0. Felt [III] at Pangandaran and [II] at Cilacap.
DJA IX 11 07 40 05 8.30S 108.31E 36 3.7 ¶12922572
DJA IX 12 06 49 15 7.30S 106.00E 25 3.8 ¶12922584
DJA IX 12 08 51 19 8.61S 110.61E 33 3.6 ¶12922585
DJA IX 13 18 46 33 8.16S 110.33E 10 3.6 ¶12922596
DJA IX 19 16 15 30 8.89S 111.26E 36 3.6 ¶12922639
DJA IX 24 02 49 27 7.85S 106.16E 26 4.2 ¶12922661
DJA IX 26 23 16 57 7.53S 106.74E 37 3.6 ¶12922686
DJA IX 29 21 47 28 6.77S 111.74E 106 3.2 ¶12922702
DJA X 02 02 24 38 8.73S 112.43E 49 3.5 ¶12922717
ISC X 04 15 54 21.2–.34 7.83S–.05 107.69E–.03 10 4.2b 65 0-144
ISCJB X 04 15 54 18.7–.34 7.82S–.05 107.62E–.04 10 4.2b **¶12065912**
IDC X 04 15 54 19.2–.54 7.69S 107.90E 0 4.3,4.2
NEIC X 04 15 54 20.6–.31 7.63S 108.02E 10 4.5b,4.2
DJA X 04 15 54 30 7.97S 108.01E 12 4.7,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=4.9km az=18.4.
IDC Error ellipse: s-maj=26.2km s-min=13.8km az=58.0.
NEIC Event type fe. Error ellipse: s-maj=13.8km s-min=6.8km az=64.0. Felt [III] at Pangandaran.
DJA X 05 13 25 33 7.44S 106.14E 39 3.8 ¶12922739
DJA X 10 20 36 54 6.76S 106.68E 3 3.6 ¶12922780
ISC X 10 21 26 27.6–.41 7.75S–.04 111.41E–.03 33–3 4.2b,3.5s 75 0-72
IDC X 10 21 26 22.0–.86 7.60S 111.39E 0 4.3,4.2b **¶12066539**
ISCJB X 10 21 26 27.1–.30 7.76S–.04 111.46E–.03 51–3 4.2b,3.5s
NEIC X 10 21 26 27.0–.43 7.69S 111.45E 35 4.3b,3.5s
DJA X 10 21 26 28 7.79S 111.43E 9 4.7,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=37.3km s-min=14.8km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=4.7km az=18.7.
NEIC Event type fe. Error ellipse: s-maj=17.7km s-min=6.6km az=51.0. Felt [II] at Karangkates and Nganjuk.
ISC X 11 04 24 16.1–.76 7.01S–.05 106.76E–.04 5–5 3.9b 40 0-82
IDC X 11 04 24 12.0–1.5 6.59S 106.80E 0 4.1,4.0b **¶12066564**
NEIC X 11 04 24 13.7–1.1 6.78S 106.72E 10 4.1b,4.0b
ISCJB X 11 04 24 16.0–1.0 6.98S–.05 106.77E–.04 6–8 3.9b,4.0b
DJA X 11 04 24 17 6.99S 106.73E 10 4.3,4.0b
ISC Event type fe.
IDC Error ellipse: s-maj=166.3km s-min=25.9km az=38.0.
NEIC Event type fe. Error ellipse: s-maj=99.8km s-min=13.7km az=42.0. Felt [III] at Cibadak and [II] at Pelabuhanratu and Sukabumi.
ISCJB Event type fe. Error ellipse: s-maj=9.0km s-min=5.0km az=29.4.
DJA X 11 10 02 50 6.76S 106.66E 10 3.9 ¶12922783
DJA X 12 02 12 18 6.44S 107.86E 79 3.5 ¶12922790
DJA X 12 15 44 09 8.10S 107.89E 32 3.7 ¶12922793
DJA X 13 01 03 37 8.75S 111.04E 18 3.3 ¶12922796
DJA X 13 21 28 38 8.26S 107.71E 20 3.6 ¶12922805
DJA X 15 06 47 42 7.55S 109.31E 20 3.6 ¶12922820
DJA X 20 22 12 26 7.29S 105.20E 2 3.9 ¶12922852
DJA X 21 23 55 30 7.84S 107.04E 10 3.5 ¶12922862
ISC X 26 21 12 11.1–.38 7.63S–.03 107.25E–.03 84–3 4.7b 290 1-156
MOS X 26 21 12 04.4–1.3 7.39S 107.32E 33 5.1b **¶11362769**
BJI X 26 21 12 05.6 7.60S 107.30E 73 5.3b,4.9s
NEIC X 26 21 12 06.3–.81 7.54S 107.23E 38–7 4.9b,4.9s
IDC X 26 21 12 07.7–2.0 7.37S 107.39E 48–18 4.5,4.5
DJA X 26 21 12 09.7–.30 8S–3.0 107E–2.0 48–5 5.5b,5.3
ISCJB X 26 21 12 09.9–.39 7.63S–.03 107.28E–.03 88–3 4.7b,5.3
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Pangandaran, [III] at Pelabuhanratu and [II] at Sukabumi.
ISCJB Event type fe.
DJA X 27 11 01 08 8.85S 111.16E 26 3.9 ¶12922891
DJA X 27 17 38 04 7.19S 106.96E 4 3.8 ¶12922894
DJA X 27 19 21 51 8.96S 110.93E 13 4.1 ¶12922895
DJA XI 01 17 43 12 7.01S 106.63E 121 3.7 ¶12922946
DJA XI 05 11 31 48 8.46S 107.92E 26 4.1 ¶12922969
IDC XI 05 18 07 59.5–3.0 5.40S 107.82E 0 3.9,3.7b ¶12072445
IDC Error ellipse: s-maj=186.1km s-min=23.7km az=52.0.
IDC XI 06 02 36 18.9–3.7 5.97S 107.26E 0 4.0,3.8b ¶12072489
IDC Error ellipse: s-maj=228.7km s-min=23.9km az=52.0.
DJA XI 07 12 50 51 7.06S 105.76E 32 3.6 ¶12922985
ISC XI 07 18 19 51.3–1.0 8.43S–.08 107.06E–.07 64–8 4.1b 39 1-144
IDC XI 07 18 19 43.2–2.5 8.40S 106.95E 0 3.9,3.8b **¶12072726**
NEIC XI 07 18 19 47.2–7.5 8.36S 107.08E 27–56 4.5b,3.8b
ISCJB XI 07 18 19 50.0–1.1 8.45S–.09 107.02E–.08 73–8 4.0b,3.8b
DJA XI 07 18 19 51 8.37S 107.01E 15 4.3,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=131.3km s-min=19.4km az=51.0.
NEIC Event type se. Error ellipse: s-maj=56.0km s-min=11.6km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=7.7km az=37.8.
ISC XI 08 05 55 46.6–.26 7.36S–.06 108.86E–.03 158–2 4.2b 82 0-144
ISCJB XI 08 05 55 45.7–.26 7.38S–.06 108.85E–.03 161–3 4.2b **¶12072789**
DJA XI 08 05 55 46 7.51S 108.81E 146 4.8
IDC XI 08 05 55 47.3–.73 7.07S 109.07E 167–6 4.0,3.8
NEIC XI 08 05 55 48.6–1.6 7.08S 108.99E 181–17 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=3.8km az=20.9.
IDC Error ellipse: s-maj=21.4km s-min=8.8km az=47.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=6.7km az=49.0.
DJA XI 14 00 58 36 7.80S 110.44E 10 3.5 ¶12923027
DJA XI 14 21 28 33 7.46S 106.38E 24 3.5 ¶12923034
ISC XI 15 09 04 03.9–.54 7.35S–.06 106.51E–.04 82–5 3.9b 61 0-150
IDC XI 15 09 03 53.8–.78 7.01S 106.50E 0 3.8,3.7 **¶12073611**
NEIC XI 15 09 03 57.7–.51 7.40S 106.13E 35 4.1b,3.7
ISCJB XI 15 09 04 02.3–.51 7.44S–.06 106.48E–.04 79–6 3.9b,3.7
DJA XI 15 09 04 02 7.48S 106.47E 27 4.7,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=40.7km s-min=15.3km az=53.0.
NEIC Event type fe. Error ellipse: s-maj=17.1km s-min=10.0km az=222.0. Felt [II] at Cisarua and Sukabumi.
ISCJB Event type fe. Error ellipse: s-maj=10.4km s-min=4.3km az=25.7.
ISC XI 15 13 00 50.3–.38 7.54S–.04 106.48E–.03 90–3 4.5b 165 1-150
BJI XI 15 13 00 36.2 7.69S 106.95E 10 5.0b,4.7b **¶11453196**
IDC XI 15 13 00 40.4–.89 7.15S 106.62E 0 4.5,4.4
MOS XI 15 13 00 44.2–1.2 7.11S 106.69E 38 5.0b,4.4
NEIC XI 15 13 00 48.0–.90 7.19S 106.64E 60–8 4.5b,4.4
ISCJB XI 15 13 00 49.1–.40 7.54S–.04 106.47E–.03 96–3 4.5b,4.4
DJA XI 15 13 00 50.2–.20 8S–3.0 106E–2.0 70–3 5.5b,5.1b
ISC Event type fe.
NEIC Event type fe. Felt [II] at Pelabuhanratu.
ISCJB Event type fe.
ISC XI 16 13 36 41.5–.40 8.84S–.04 110.32E–.02 75–3 4.5b 190 1-149
IDC XI 16 13 36 32.4–.54 8.67S 110.33E 0 4.5,4.4 **¶11453300**
BJI XI 16 13 36 35.6 9.00S 110.20E 43 5.0b,4.8b
MOS XI 16 13 36 36.9–.95 8.61S 110.44E 43 4.8b,4.8b
NEIC XI 16 13 36 40.5–1.3 8.77S 110.32E 63–10 4.4b,4.8b
ISCJB XI 16 13 36 40.1–.43 8.85S–.04 110.33E–.02 80–3 4.5b,4.8b
DJA XI 16 13 36 41.1–.60 9S–3.0 110E–1.0 25–6 5.4b,5.2
ISC Event type fe.
NEIC Event type fe. Felt [III] at Klaten, Kotagede and Wonosari.
ISCJB Event type fe.
DJA XI 16 16 11 36 7.15S 105.30E 10 3.5 ¶12923053
ISC XI 17 07 02 00.1–.73 8.8S–.10 110.40E–.04 70–10 4.0b 40 1-73
IDC XI 17 07 01 49.9–2.3 9.10S 109.92E 0 4.1,4.0 **¶12073830**
NEIC XI 17 07 01 55.3–1.1 9.05S 110.05E 35 3.7b,4.0
ISCJB XI 17 07 01 58.8–.79 8.8S–.10 110.40E–.04 77–10 4.0b,4.0
DJA XI 17 07 01 59 8.81S 110.39E 27 4.7,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=114.6km s-min=24.8km az=49.0.
NEIC Event type fe. Error ellipse: s-maj=69.3km s-min=11.3km az=225.0. Felt [II] at Imogiri.
ISCJB Event type fe. Error ellipse: s-maj=18.9km s-min=5.3km az=14.6.
ISC XI 18 11 06 55.5–.25 7.01S–.06 109.13E–.03 229–2 4.1b 104 1-142
NEIC XI 18 11 06 35.1–.56 6.78S 108.87E 35 4.2b **¶12073999**
ISCJB XI 18 11 06 54.6–.25 7.04S–.06 109.11E–.03 236–2 4.1b
DJA XI 18 11 06 56 7.25S 109.09E 220 4.6
IDC XI 18 11 06 57.4–2.2 6.81S 109.10E 253–22 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=9.5km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=3.7km az=19.2.
IDC Error ellipse: s-maj=18.3km s-min=8.2km az=53.0.
ISC XI 19 07 18 38.0–.77 8.9S–.10 112.53E–.05 74–10 3.4b 22 1-62
IDC XI 19 07 18 29.5–2.7 8.56S 112.66E 0 4.3s,4.3 **¶12074118**
ISCJB XI 19 07 18 37.3–.76 8.8S–.10 112.52E–.05 84–9 3.4b,4.3
DJA XI 19 07 18 38 8.95S 112.51E 35 4.1,4.3
IDC Error ellipse: s-maj=124.0km s-min=21.7km az=52.0.
ISCJB Error ellipse: s-maj=18.9km s-min=7.5km az=12.8.
DJA XI 20 14 28 23 8.93S 108.55E 10 3.5 ¶12923128
DJA XI 25 07 01 09 8.45S 108.48E 18 4.1 ¶12923172
DJA XI 25 20 35 44 7.67S 106.47E 18 3.5 ¶12923180
ISC XI 26 05 25 26.1–1.6 5.63S–.08 106.86E–.09 290–16 3.8b 48 12-145
ISCJB XI 26 05 25 24.8–1.6 5.62S–.08 106.89E–.09 292–16 3.8b **¶12074862**
NEIC XI 26 05 25 24.7–.76 5.65S 106.81E 279–7 4.3b
IDC XI 26 05 25 25.2–.73 5.70S 106.86E 283–7 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=10.2km az=143.7.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.8km az=57.0.
IDC Error ellipse: s-maj=14.0km s-min=7.7km az=51.0.
IDC XI 26 10 52 36.7–3.5 7.80S 109.20E 0 3.6,3.5b ¶12074887
IDC Error ellipse: s-maj=188.3km s-min=26.7km az=49.0.
ISC XI 27 03 58 46.8–.59 7.70S–.08 106.85E–.06 71–6 3.7b 36 1-151
IDC XI 27 03 58 37.1–2.1 7.65S 106.52E 0 3.9,3.8b **¶12074989**
NEIC XI 27 03 58 42.0–1.3 7.74S 106.51E 35 3.9b,3.8b
ISCJB XI 27 03 58 45.5–.60 7.74S–.08 106.86E–.06 75–6 3.8b,3.8b
DJA XI 27 03 58 45 7.80S 106.90E 26 4.4,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=111.5km s-min=16.6km az=51.0.
NEIC Event type se. Error ellipse: s-maj=73.8km s-min=11.5km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=6.5km az=31.1.
ISC XI 28 03 37 15.4–.51 7.8S–.10 107.82E–.05 127–7 3.9b 24 0-40
ISCJB XI 28 03 37 14.3–.52 7.8S–.10 107.82E–.05 133–7 4.0b **¶12075108**
DJA XI 28 03 37 15 7.76S 107.83E 116 4.0
IDC XI 28 03 37 16.1–7.7 7.02S 108.28E 139–114 3.7,3.6b
ISCJB Error ellipse: s-maj=18.8km s-min=7.2km az=16.4.
IDC Error ellipse: s-maj=209.4km s-min=54.3km az=26.0.
ISC XI 28 14 00 33.6–.33 8.51S–.06 111.60E–.02 117–5 4.2b 79 1-81
IDC XI 28 14 00 18.1–1.6 8.01S 111.56E 0 4.4,4.3b **¶12075147**
NEIC XI 28 14 00 27.4–3.2 8.17S 111.46E 81–30 4.2b,4.3b
ISCJB XI 28 14 00 32.5–.33 8.52S–.06 111.59E–.03 122–4 4.2b,4.3b
DJA XI 28 14 00 34 8.54S 111.63E 100 4.6,4.3b

ISC Event type se.
IDC Error ellipse: s-maj=70.5km s-min=16.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=11.9km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=3.9km az=7.2.

ISC	**XII**	**01 14 20 25.3–.56**	**8.47S–.05**	**107.86E–.04**	**65–6**	**3.8b**	**59**	**1-83**
DJA	XII	01 14 20 22	8.55S	107.84E	16	4.3		¶12075418
NEIC	XII	01 14 20 22.5–.94	8.39S	107.63E	35	4.5b		
ISCJB	XII	01 14 20 23.8–.60	8.49S–.06	107.87E–.03	73–6	3.8b		
IDC	XII	01 14 20 32.8–10	8.34S	107.91E	131–92	3.5,3.4b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=53.2km s-min=9.2km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.8km az=20.6.
IDC Error ellipse: s-maj=77.6km s-min=16.4km az=55.0.

DJA	**XII**	**03 00 54 44**	**7.94S**	**107.27E**	**19**	**3.6**		
								¶12923272
ISC	**XII**	**04 20 01 07.7–.79**	**7.61S–.08**	**109.84E–.05**	**35**	**3.4b**	**17**	**0-38**
DJA	XII	04 20 01 05	7.60S	109.81E	14	3.1		¶12075782
ISCJB	XII	04 20 01 06.1–.76	7.61S–.07	109.79E–.05	33	3.4b		
IDC	XII	04 20 01 13.6–40	8.70S	110.38E	0	3.7,3.5b		

ISCJB Error ellipse: s-maj=10.2km s-min=7.4km az=16.1.
IDC Error ellipse: s-maj=664.5km s-min=136.2km az=126.0.

DJA	**XII**	**06 06 57 45**	**8.08S**	**107.93E**	**25**	**4.1**		
								¶12923304
ISC	**XII**	**09 18 15 20.1–.62**	**7.58S–.05**	**109.88E–.03**	**3–6**	**3.4b**	**21**	**0-38**
ISCJB	XII	09 18 15 19.5–.61	7.59S–.04	109.87E–.03	3–6	3.4b		¶12076584
DJA	XII	09 18 15 20	7.57S	109.87E	10	3.3		
IDC	XII	09 18 15 45.3–7.9	9.97S	111.89E	0	3.7,3.6		

ISCJB Error ellipse: s-maj=7.7km s-min=4.0km az=17.6.
IDC Error ellipse: s-maj=128.4km s-min=110.5km az=156.0.

ISC	**XII**	**10 02 46 06.5–.46**	**8.02S–.06**	**108.32E–.03**	**87–3**	**4.5b**	**130**	**1-148**
IDC	XII	10 02 45 55.8–.57	7.79S	108.22E	0	4.4,4.3		¶12076657
NEIC	XII	10 02 46 02.3–2.4	7.89S	108.22E	48–22	4.5b,4.3		
DJA	XII	10 02 46 04	8.26S	108.25E	34	4.9,4.3		
ISCJB	XII	10 02 46 05.6–.46	7.95S–.06	108.35E–.03	92–3	4.5b,4.3		
BJI	XII	10 02 46 05.8	8.01S	108.12E	96	4.9b,4.7b		

ISC Event type fe.
IDC Error ellipse: s-maj=27.3km s-min=13.4km az=53.0.
NEIC Event type fe. Error ellipse: s-maj=18.1km s-min=7.6km az=52.0. Felt [III] at Cilacap and Pangandaran and [II] at Ciamis and Tasikmalaya.
ISCJB Event type fe. Error ellipse: s-maj=11.2km s-min=3.5km az=21.6.

DJA	**XII**	**13 17 34 59**	**8.89S**	**113.02E**	**10**	**3.5**		
								¶12923398
DJA	**XII**	**14 13 50 51**	**7.18S**	**107.81E**	**15**	**3.6**		
								¶12923414
DJA	**XII**	**20 16 13 25**	**8.87S**	**109.59E**	**30**	**3.7**		
								¶12923457
IDC	**XII**	**24 18 53 49.0–3.3**	**6.55S**	**106.98E**	**0**	**3.8b,3.8**		
								¶12078841

IDC Error ellipse: s-maj=148.0km s-min=27.1km az=49.0.

DJA	**XII**	**26 07 14 44**	**7.91S**	**106.52E**	**24**	**3.7**		
								¶12923524
ISC	**XII**	**29 11 52 33.8–1.5**	**7.85S–.05**	**106.19E–.07**	**22–11**	**3.8s,3.6b**	**21**	**1-145**
IDC	XII	29 11 52 29.6–2.4	7.75S	106.10E	0	3.8,3.7s		¶12079396
DJA	XII	29 11 52 34	7.83S	106.26E	16	4.0,3.7s		

IDC Error ellipse: s-maj=132.3km s-min=18.3km az=51.0.

ISC	**XII**	**30 09 42 18.4–.38**	**6.24S–.10**	**108.36E–.08**	**279–5**	**3.8b**	**45**	**1-67**
DJA	XII	30 09 42 12	6.73S	108.20E	357	4.0		¶12079524
ISCJB	XII	30 09 42 17.4–.38	6.26S–.10	108.35E–.08	289–5	3.8b		
IDC	XII	30 09 42 18.0–2.4	6.27S	108.25E	276–21	3.7,3.6b		
NEIC	XII	30 09 42 22.6–4.2	6.32S	108.27E	330–49	4.2b,3.6b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=7.4km az=38.0.
IDC Error ellipse: s-maj=52.6km s-min=9.9km az=55.0.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=10.4km az=54.0.

ISC	**XII**	**31 07 07 02.3–.91**	**8.25S–.20**	**110.0E–.30**	**35**	**3.8b**	**27**	**16-142**
IDC	XII	31 07 06 57.8–1.3	7.95S	110.13E	0	3.9L,3.8		¶12079634
ISCJB	XII	31 07 07 00.3–.95	8.0S–.30	110.2E–.30	33	3.8b,3.8		
NEIC	XII	31 07 07 01.9–.88	8.21S	109.97E	35	4.1b,3.8		
DJA	XII	31 07 07 02	8.08S	110.41E	5	4.7,3.8		

ISC Event type fe.
IDC Error ellipse: s-maj=78.6km s-min=14.4km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=54.5km s-min=9.0km az=139.1.
NEIC Event type fe. Error ellipse: s-maj=52.8km s-min=9.4km az=50.0. Felt [III] at Bantul and Gamping.

(278) Bali Sea.

ISC	**VII**	**13 14 46 23.7–4.5**	**7.7S–.40**	**117.8E–.60**	**290–51**	**3.4b**	**12**	**13-67**
IDC	VII	13 14 46 21.6–7.1	7.59S	117.90E	265–73	3.2,3.1		¶11811474
NEIC	VII	13 14 46 24.6–1.1	7.64S	117.90E	300	3.5b,3.1		

ISC Event type se.
IDC Error ellipse: s-maj=111.2km s-min=22.4km az=59.0.
NEIC Event type se. Error ellipse: s-maj=78.9km s-min=10.6km az=56.0.

ISC	**VII**	**30 05 54 40.8–1.4**	**7.8S–.10**	**116.4E–.20**	**300–15**	**3.8b**	**20**	**11-116**
ISCJB	VII	30 05 54 40.3–1.4	7.8S–.10	116.3E–.20	311–15	3.8b		¶11812902
NEIC	VII	30 05 54 41.5–1.4	7.80S	116.32E	308–15	4.2b		
IDC	VII	30 05 54 41.7–5.7	7.85S	116.15E	307–62	3.6,3.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.0km s-min=8.2km az=147.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=7.1km az=56.0.
IDC Error ellipse: s-maj=36.4km s-min=14.2km az=68.0.

DJA	**VIII**	**07 01 19 21**	**7.72S**	**117.66E**	**11**	**3.8**		
								¶12922211
DJA	**VIII**	**08 22 40 47**	**7.94S**	**117.73E**	**5**	**4.0**		
								¶12922228
ISC	**VIII**	**23 04 40 50.9–.50**	**7.99S–.06**	**117.82E–.04**	**35**	**4.0b**	**30**	**2-117**
IDC	VIII	23 04 40 46.6–1.0	8.01S	117.86E	0	4.1,4.0		¶11908626
DJA	VIII	23 04 40 47	8.33S	117.97E	100	4.5,4.0		
ISCJB	VIII	23 04 40 48.8–.50	7.99S–.06	117.84E–.04	33	4.0b,4.0		
NEIC	VIII	23 04 40 51.8–.59	8.01S	117.84E	35	4.2b,4.0		

ISC Event type se.
IDC Error ellipse: s-maj=65.6km s-min=18.8km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.5km az=165.2.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=10.2km az=60.0.

ISC	**VIII**	**25 12 52 14.3–5.2**	**6.2S–.50**	**117.8E–.30**	**35**	**4.0b**	**7**	**14-34**
IDC	VIII	25 12 52 06.3–10	6.11S	117.43E	0	4.2,4.0		¶12581379

IDC Error ellipse: s-maj=228.2km s-min=142.4km az=28.0.

IDC	**IX**	**12 23 00 10.9–8.5**	**7.70S**	**117.31E**	**297–93**	**3.1,3.0b**		
								¶11910143

IDC Error ellipse: s-maj=71.1km s-min=23.1km az=63.0.

IDC	**X**	**09 21 11 22.6–1.8**	**7.91S**	**117.71E**	**0**	**3.7,3.6L**		
								¶12066463

IDC Error ellipse: s-maj=33.2km s-min=20.4km az=89.0.

DJA	**X**	**22 04 04 00**	**6.73S**	**114.52E**	**397**	**5.3b**		
								¶12922864
IDC	**X**	**23 16 30 03.0–11**	**7.94S**	**117.62E**	**380–142**	**2.9,2.7b**		
								¶12070916

IDC Error ellipse: s-maj=104.8km s-min=34.8km az=56.0.

IDC	**XI**	**19 10 50 44.9–10**	**7.34S**	**117.87E**	**308–121**	**3.2s,3.2**		
								¶12074134

IDC Error ellipse: s-maj=170.5km s-min=31.3km az=60.0.

DJA	**XI**	**20 23 29 07**	**6.68S**	**117.47E**	**10**	**6.5b**		
								¶12923133
ISC	**XII**	**06 15 22 13.3–1.2**	**7.78S–.04**	**117.72E–.03**	**1–8**	**4.6b**	**75**	**2-96**
ISCJB	XII	06 15 22 12.4–1.2	7.80S–.04	117.73E–.03	8–8	4.5b		¶12076038
IDC	XII	06 15 22 13.1–.93	7.73S	117.78E	0	4.0,3.9b		
DJA	XII	06 15 22 14	8.01S	117.67E	10	4.5,3.9b		
NEIC	XII	06 15 22 17.9–.29	7.77S	117.81E	35	4.8b,3.9b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.2km s-min=4.3km az=174.8.
IDC Error ellipse: s-maj=32.5km s-min=15.6km az=69.0.
NEIC Event type fe. Error ellipse: s-maj=12.7km s-min=4.9km az=52.0. Felt [II] at Dompu.

ISC	**XII**	**18 20 25 13.4–3.0**	**6.8S–.30**	**115.6E–.50**	**514–30**	**3.5b**	**23**	**4-66**
ISCJB	XII	18 20 25 13.4–3.3	6.6S–.30	115.8E–.60	530–34	3.5b		¶12078088
IDC	XII	18 20 25 13.8–4.2	6.70S	115.66E	516–43	3.1,3.0b		
NEIC	XII	18 20 25 13.6–1.9	6.74S	115.63E	516–18	3.6b,3.0b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=99.5km s-min=12.9km az=150.3.
IDC Error ellipse: s-maj=99.1km s-min=12.3km az=60.0.
NEIC Event type se. Error ellipse: s-maj=52.5km s-min=7.6km az=60.0.

ISC	**XII**	**28 16 52 51.4–.27**	**6.37S–.05**	**114.16E–.05**	**566–3**	**4.0b**	**89**	**1-157**
ISCJB	XII	28 16 52 50.5–.27	6.34S–.06	114.18E–.05	573–4	3.9b		¶12079287
NEIC	XII	28 16 52 51.7–.58	6.26S	114.22E	568–8	4.3b		
IDC	XII	28 16 52 53.0–1.3	6.21S	114.42E	579–14	3.3,3.2b		
DJA	XII	28 16 52 52	6.47S	114.21E	560	3.6b,3.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.7km az=32.9.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=4.6km az=56.0.
IDC Error ellipse: s-maj=21.2km s-min=7.8km az=58.0.

(279) Flores Sea.

IDC	**VII**	**02 00 05 49.8–6.7**	**6.05S**	**120.07E**	**492–102**	**3.1,2.9b**		
								¶12697931

IDC Error ellipse: s-maj=102.6km s-min=28.1km az=55.0.

ISC	**VII**	**13 16 17 03.9–1.5**	**7.8S–.20**	**119.0E–.20**	**283–17**	**3.6b**	**20**	**12-78**
IDC	VII	13 16 17 05.3–6.7	7.46S	119.47E	293–74	3.4b,3.3		¶11811478
NEIC	VII	13 16 17 05.3–1.4	7.63S	119.14E	295–17	3.5b,3.3		

ISC Event type se.
IDC Error ellipse: s-maj=108.4km s-min=24.8km az=55.0.
NEIC Event type se. Error ellipse: s-maj=36.5km s-min=8.4km az=51.0.

IDC	**VII**	**14 11 18 31.1–5.5**	**7.80S**	**119.07E**	**128–81**	**3.3,3.1b**		
								¶12698209

IDC Error ellipse: s-maj=174.0km s-min=15.2km az=53.0.

ISC	**VII**	**16 22 25 52.9–.21**	**7.36S–.03**	**120.28E–.03**	**564–2**	**4.5b**	**239**	**2-155**
BJI	VII	16 22 25 47.1	7.92S	120.53E	561	4.6b,4.4b		¶11126461
MOS	VII	16 22 25 51.8–.98	7.19S	120.31E	559	4.7b,4.4b		
ISCJB	VII	16 22 25 52.4–.22	7.33S–.03	120.28E–.03	573–2	4.5b,4.4b		
DJA	VII	16 22 25 52	7.41S	120.26E	568	4.9b,4.4b		
NEIC	VII	16 22 25 52.9–.38	7.26S	120.30E	561–4	4.7b,4.4b		
IDC	VII	16 22 25 53.2–.47	7.29S	120.34E	561–5	4.1b,4.1		

ISC Event type se.
MOS Error ellipse: s-maj=12.8km s-min=6.5km az=123.2.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=144.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.0km az=57.0.
IDC Error ellipse: s-maj=10.6km s-min=5.5km az=60.0.

DJA	**VII**	**21 08 20 18**	**7.15S**	**121.08E**	**9**	**3.7**		
								¶12921977
ISC	**VII**	**27 11 25 40.8–.25**	**7.40S–.04**	**121.91E–.04**	**538–3**	**4.5b**	**148**	**1-154**
BJI	VII	27 11 25 34.5	7.90S	122.31E	533	4.7b,4.6b		¶11153820
ISCJB	VII	27 11 25 40.2–.25	7.37S–.04	121.90E–.04	546–3	4.5b,4.6b		
IDC	VII	27 11 25 40.5–1.2	7.28S	121.93E	526–14	3.9b,3.9		
DJA	VII	27 11 25 40	7.46S	121.89E	544	4.9b,3.9		
NEIC	VII	27 11 25 40.7–.53	7.31S	121.95E	533–7	4.6b,3.9		
MOS	VII	27 11 25 41.3–.76	7.22S	121.98E	557	4.5b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=5.6km az=41.8.
IDC Error ellipse: s-maj=15.3km s-min=8.9km az=70.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.1km az=54.0.
MOS Error ellipse: s-maj=15.7km s-min=7.9km az=108.1.

IDC	**VII**	**31 04 33 59.9–2.5**	**7.87S**	**118.08E**	**0**	**3.8,3.7b**		
								¶12698506

IDC Error ellipse: s-maj=196.9km s-min=21.3km az=59.0.

IDC	**VIII**	**07 01 29 54.8–1.8**	**7.51S**	**119.23E**	**0**	**4.1,3.9b**		
								¶12580950

IDC Error ellipse: s-maj=185.4km s-min=18.1km az=60.0.

IDC	**VIII**	**11 04 11 56.0–2.0**	**7.80S**	**120.48E**	**219–17**	**3.2b,3.2**		
								¶12581018

IDC Error ellipse: s-maj=107.7km s-min=11.8km az=58.0.

ISC	**VIII**	**11 23 47 17.5–.34**	**7.58S–.04**	**119.47E–.04**	**276–4**	**4.1b**	**58**	**2-155**
ISCJB	VIII	11 23 47 16.9–.36	7.55S–.04	119.44E–.04	285–4	4.1b		¶11908096
NEIC	VIII	11 23 47 17.6–.50	7.56S	119.45E	278–5	4.1b		
IDC	VIII	11 23 47 18.1–1.8	7.57S	119.44E	282–16	3.3b,3.3		
DJA	VIII	11 23 47 19	7.72S	119.41E	250	4.3,3.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.8km az=22.3.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.8km az=60.0.
IDC Error ellipse: s-maj=48.0km s-min=10.1km az=60.0.

ISC	**VIII**	**13 19 06 18.3–.40**	**7.33S–.08**	**121.3E–.10**	**549–6**	**3.4b**	**29**	**2-155**
ISCJB	VIII	13 19 06 17.6–.41	7.33S–.09	121.3E–.10	554–6	3.4b		¶11908173
NEIC	VIII	13 19 06 18.0–.53	7.40S	121.15E	547–7	3.8b		
IDC	VIII	13 19 06 18.2–2.0	7.21S	121.49E	546–25	3.0,2.9		
DJA	VIII	13 19 06 18	7.36S	121.27E	555	3.6,2.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=7.8km az=148.0.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=7.3km az=62.0.
IDC Error ellipse: s-maj=54.7km s-min=10.9km az=57.0.

ISC	**VIII**	**15 05 06 12.1–.33**	**7.44S–.05**	**121.23E–.09**	**555–4**	**4.3b**	**57**	**2-155**
ISCJB	VIII	15 05 06 11.3–.34	7.43S–.05	121.23E–.09	565–5	4.3b		¶11180511
NEIC	VIII	15 05 06 11.6–.42	7.37S	121.28E	553–5	4.6b		
IDC	VIII	15 05 06 11.6–1.4	7.35S	121.27E	546–17	3.7,3.6b		
DJA	VIII	15 05 06 12	7.46S	121.24E	555	4.6b,3.6b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=5.9km az=154.3.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=5.4km az=64.0.
IDC Error ellipse: s-maj=25.8km s-min=9.5km az=63.0.

ISC	**VIII**	**16 15 33 33.9–.75**	**8.0S–.10**	**120.6E–.30**	**35**	**3.7b,3.7s**	**15**	**3-91**
IDC	VIII	16 15 33 29.3–1.2	8.07S	120.30E	0	3.9,3.7b		¶11908311
ISCJB	VIII	16 15 33 31.5–.75	8.0S–.10	120.7E–.20	33	3.7b,3.7s		
NEIC	VIII	16 15 33 32.0–.78	8.02S	120.49E	20	4.3b,3.7s		

ISC Event type se.
IDC Error ellipse: s-maj=114.9km s-min=17.3km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=34.6km s-min=6.2km az=149.2.
NEIC Event type se. Error ellipse: s-maj=52.4km s-min=9.1km az=59.0.

ISC	**VIII**	**16 18 30 35.9–.39**	**7.44S–.06**	**120.26E–.05**	**378–7**	**3.5b**	**31**	**2-64**
ISCJB	VIII	16 18 30 35.1–.39	7.41S–.07	120.24E–.05	385–7	3.5b		¶11377616
NEIC	VIII	16 18 30 35.9–1.1	7.19S	120.39E	392–15	4.0b		
IDC	VIII	16 18 30 35.1–2.5	7.42S	120.15E	374–29	3.3,3.2b		
DJA	VIII	16 18 30 36	7.50S	120.26E	366	4.4b,3.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=8.4km az=174.5.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=12.5km az=69.0.
IDC Error ellipse: s-maj=38.6km s-min=11.8km az=61.0.

IDC	**VIII**	**21 10 36 57.2–2.4**	**7.00S**	**120.08E**	**0**	**3.6,3.5L**		
								¶12581259

IDC Error ellipse: s-maj=258.3km s-min=28.5km az=54.0.

ISC	**VIII**	**29 05 34 28.0–.70**	**7.81S–.10**	**118.84E–.05**	**35**	**3.9b**	**11**	**2-63**
DJA	VIII	29 05 33 52	6.27S	119.18E	650	3.8		¶12581531
IDC	VIII	29 05 34 23.4–2.0	7.96S	118.58E	0	4.0,3.8b		
ISCJB	VIII	29 05 34 26.0–.70	7.86S–.10	118.83E–.05	33	3.9b,3.8b		

IDC	**VIII**	**30 17 14 29.6–2.5**	**7.38S**	**119.15E**	**0**	**3.1,3.0L**		
								¶12581573

IDC Error ellipse: s-maj=246.8km s-min=26.2km az=53.0.

IDC	**VIII**	**30 20 57 50.5–1.7**	**6.03S**	**122.58E**	**0**	**3.5,3.3**		
								¶12581581

IDC Error ellipse: s-maj=273.1km s-min=27.5km az=58.0.

IDC	**VIII**	**31 16 29 51.1–2.6**	**7.46S**	**119.05E**	**0**	**3.3L,3.1**		
								¶12581601

IDC Error ellipse: s-maj=261.2km s-min=26.1km az=52.0.

ISC	**VIII**	**31 16 45 04.9–.71**	**7.92S–.06**	**118.56E–.09**	**35**	**3.6b**	**11**	**2-68**
IDC	VIII	31 16 45 01.1–2.1	7.56S	118.86E	0	3.6,3.5b		¶12581602
ISCJB	VIII	31 16 45 03.0–.72	7.90S–.07	118.53E–.09	33	3.6b,3.5b		
DJA	VIII	31 16 45 04	7.91S	118.53E	47	4.0,3.5b		

IDC Error ellipse: s-maj=198.3km s-min=20.9km az=55.0.

ISCJB Error ellipse: s-maj=12.6km s-min=10.0km az=162.7.
IDC VIII 31 17 14 49.3–1.9 7.77S 118.59E 0 3.5b,3.5
¶12581603

IDC Error ellipse: s-maj=141.0km s-min=21.5km az=54.0.
ISC IX 03 00 41 58.5–.49 7.66S–.05 119.41E–.05 282–6 4.0b 55 2-83
ISCJB IX 03 00 41 57.1–.55 7.52S–.06 119.45E–.06 279–6 4.0b **¶11909335**
DJA IX 03 00 42 00 7.83S 119.34E 258 4.5b
NEIC IX 03 00 42 00.4–1.2 7.71S 119.40E 306–15 4.2b
IDC IX 03 00 42 01.9–2.4 7.77S 119.31E 320–25 3.6,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=5.4km az=42.8.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=6.9km az=51.0.
IDC Error ellipse: s-maj=37.9km s-min=8.0km az=55.0.
ISC IX 03 15 12 05.4–1.0 7.2S–.10 121.3E–.20 533–19 3.3b 15 12-68
ISCJB IX 03 15 12 05.5–1.2 7.2S–.10 121.3E–.20 555–22 3.3b **¶11909380**
IDC IX 03 15 12 05.9–4.2 7.07S 121.43E 536–68 2.9,2.8b
NEIC IX 03 15 12 05.5–.70 7.17S 121.29E 535–13 2.9,2.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.1km s-min=11.9km az=145.3.
IDC Error ellipse: s-maj=111.9km s-min=15.9km az=52.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=7.3km az=56.0.
IDC IX 04 03 01 11.7–2.4 7.92S 118.40E 0 3.7,3.6b
¶11909428

IDC Error ellipse: s-maj=211.5km s-min=22.5km az=54.0.
ISC IX 06 06 11 47.8–.54 7.80S–.07 119.1E–.10 35 4.4b,4.3s 32 3-155
IDC IX 06 06 11 42.9–.79 7.70S 119.04E 0 4.3,4.2 **¶11909587**
ISCJB IX 06 06 11 45.4–.54 7.80S–.07 119.0E–.10 33 4.4b,4.3s
NEIC IX 06 06 11 47.9–.50 7.77S 119.09E 35 4.5b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=16.6km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=8.0km az=153.5.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=8.4km az=68.0.
DJA IX 06 11 56 48 7.81S 118.69E 9 3.8
¶12922525
IDC IX 07 00 09 55.9–9.8 7.39S 122.03E 85–106 3.4L,3.2b
¶11909659

IDC Error ellipse: s-maj=216.8km s-min=37.6km az=49.0.
IDC IX 07 23 58 35.2–2.7 7.93S 119.21E 0 3.7b,3.7
¶11909766

IDC Error ellipse: s-maj=240.4km s-min=23.7km az=53.0.
IDC IX 13 21 37 54.8–2.9 7.58S 118.38E 0 3.3,3.1L
¶11910208

IDC Error ellipse: s-maj=271.4km s-min=26.2km az=52.0.
ISC IX 22 06 32 25.5–1.8 7.86S–.04 119.15E–.10 28–18 3.9b 16 1-64
DJA IX 22 06 32 23 8.09S 119.44E 28 3.8 **¶11910814**
ISCJB IX 22 06 32 25.2–.77 7.83S–.05 119.1E–.10 39–16 3.9b
IDC IX 22 06 32 27.2–6.0 7.71S 119.18E 39–56 3.8,3.6b
ISCJB Error ellipse: s-maj=17.5km s-min=7.2km az=16.0.
IDC Error ellipse: s-maj=80.4km s-min=19.6km az=68.0.
DJA IX 25 12 08 30 7.42S 122.42E 96 3.8
¶12922671
IDC IX 25 23 25 23.5–1.6 6.70S 122.59E 0 3.7,3.5L
¶11911051

IDC Error ellipse: s-maj=61.4km s-min=20.8km az=52.0.
ISC X 11 09 50 47.2–1.0 7.80S–.04 118.63E–.04 35–9 4.2b,4.1s 47 1-79
ISCJB X 11 09 50 46.0–.52 7.78S–.04 118.60E–.04 42–6 4.2b,4.1s **¶12066575**
NEIC X 11 09 50 47.5–.43 7.73S 118.72E 35 4.1b,4.1s
DJA X 11 09 50 47 7.84S 118.63E 43 4.3,4.1s
IDC X 11 09 51 01.5–4.7 7.62S 119.32E 167–44 3.9s,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.8km az=20.7.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=7.1km az=68.0.
IDC Error ellipse: s-maj=31.2km s-min=10.7km az=58.0.
ISC X 17 04 39 13.0–1.1 7.4S–.40 122.9E–.50 643–17 3.5b 21 4-122
ISCJB X 17 04 39 11.8–1.0 7.3S–.40 123.0E–.50 651–18 3.5b **¶12068862**
NEIC X 17 04 39 12.8–.68 7.25S 123.02E 639–10 3.6b
IDC X 17 04 39 12.5–1.5 7.17S 123.15E 632–23 3.1b,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=97.8km s-min=13.6km az=143.7.
NEIC Event type se. Error ellipse: s-maj=51.6km s-min=8.3km az=55.0.
IDC Error ellipse: s-maj=77.2km s-min=13.4km az=57.0.
IDC X 26 18 27 40.7–3.0 7.38S 119.22E 0 3.5b,3.5
¶12071179

IDC Error ellipse: s-maj=298.6km s-min=25.4km az=54.0.
IDC XI 07 12 37 59.6–13 7.83S 119.72E 144–161 3.2L,2.8
NEIC XI 07 12 37 55.7–3.3 7.34S 120.21E 96–33 4.1b,2.8 **¶12072678**
IDC Error ellipse: s-maj=230.4km s-min=45.6km az=45.0.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=20.7km az=54.0.
ISC XI 11 10 11 10.6–2.8 7.8S–.40 118.5E–.50 73–36 3.4b 13 12-63
IDC XI 11 10 11 02.3–2.2 7.44S 118.48E 0 3.6,3.4 **¶12073159**
NEIC XI 11 10 11 07.7–1.4 7.29S 118.71E 35 3.4b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=204.4km s-min=23.6km az=54.0.
NEIC Event type se. Error ellipse: s-maj=92.3km s-min=16.2km az=55.0.
ISC XI 17 19 08 16.5–2.3 6.9S–.40 120.5E–.50 122–22 3.6b 16 2-63
IDC XI 17 19 08 01.3–2.1 7.71S 119.03E 0 3.8,3.7b **¶12073891**
NEIC XI 17 19 08 06.5–1.3 7.71S 119.17E 35 3.4b,3.7b
ISCJB XI 17 19 08 15.0–2.0 6.8S–.40 120.6E–.50 127–19 3.6b,3.7b
DJA XI 17 19 08 24 6.41S 119.69E 106 2.7,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=220.6km s-min=23.8km az=53.0.
NEIC Event type se. Error ellipse: s-maj=40.7km s-min=11.6km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=106.0km s-min=16.7km az=146.5.
ISC XI 18 16 13 06.6–3.1 7.27S–.07 122.00E–.10 26–28 3.6b 12 1-69
IDC XI 18 16 13 03.9–1.7 6.87S 122.35E 0 3.6,3.5b **¶12074020**
ISCJB XI 18 16 13 06.3–.85 7.26S–.06 121.99E–.10 39–12 3.6b,3.5b
DJA XI 18 16 13 06 7.27S 121.98E 30 3.4,3.5b
IDC Error ellipse: s-maj=156.8km s-min=24.1km az=60.0.
ISCJB Error ellipse: s-maj=16.9km s-min=8.8km az=156.7.
IDC XI 19 18 13 53.4–7.4 7.24S 119.68E 438–102 3.0,2.8b
¶12074169

IDC Error ellipse: s-maj=142.6km s-min=29.7km az=51.0.
ISC XII 07 14 58 34.9–1.9 7.2S–.30 119.0E–.50 490–17 2.9b 14 2-63
NEIC XII 07 14 58 34.9–1.4 7.17S 118.96E 492–13 3.5b **¶12076216**
IDC XII 07 14 58 35.0–2.7 7.11S 119.08E 493–26 2.4,2.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=71.3km s-min=14.0km az=59.0.
IDC Error ellipse: s-maj=122.5km s-min=16.8km az=58.0.
ISC XII 11 16 11 13.4–.95 7.1S–.30 120.5E–.40 397–11 3.6b 22 2-68
IDC XII 11 16 11 13.4–1.7 7.17S 120.35E 398–17 3.6,3.4b **¶12076947**
NEIC XII 11 16 11 13.3–.66 7.09S 120.49E 396–7 3.8b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=116.1km s-min=12.9km az=58.0.
NEIC Event type se. Error ellipse: s-maj=48.7km s-min=6.6km az=56.0.
IDC XII 15 13 59 16.5–1.6 7.79S 120.66E 0 3.7,3.5
¶12077612

IDC Error ellipse: s-maj=171.3km s-min=22.2km az=58.0.
ISC XII 17 00 53 47.0–.23 7.35S–.03 120.02E–.04 573–3 4.5b 121 2-133
ISCJB XII 17 00 53 46.1–.23 7.34S–.04 120.02E–.04 582–3 4.4b **¶12077833**
IDC XII 17 00 53 47.5–.55 7.27S 120.17E 573–5 3.8b,3.7
NEIC XII 17 00 53 47.3–.37 7.28S 120.09E 576–5 4.6b,3.7
DJA XII 17 00 53 47 7.45S 120.05E 573 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.2km az=152.2.
IDC Error ellipse: s-maj=17.2km s-min=7.1km az=62.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.0km az=62.0.
ISC XII 17 10 58 07.6–.69 7.3S–.30 121.2E–.50 547–9 3.2b 19 3-68
ISCJB XII 17 10 58 06.9–.69 7.3S–.30 121.2E–.40 557–9 3.2b **¶12077908**
IDC XII 17 10 58 07.6–.78 7.18S 121.35E 545–10 3.1,3.0
NEIC XII 17 10 58 07.5–.67 7.25S 121.26E 548–11 4.3b,3.0
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=79.1km s-min=12.2km az=147.3.
IDC Error ellipse: s-maj=89.8km s-min=12.3km az=58.0.
NEIC Event type se. Error ellipse: s-maj=62.3km s-min=9.8km az=57.0.
ISC XII 22 10 26 26.5–1.2 7.9S–.10 120.2E–.20 210–11 3.8b 27 3-113
NEIC XII 22 10 26 25.8–1.1 7.97S 120.03E 206–9 3.8b **¶12078543**
IDC XII 22 10 26 27.3–1.6 7.78S 120.39E 218–13 3.4b,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.1km s-min=7.4km az=59.0.
IDC Error ellipse: s-maj=57.6km s-min=8.7km az=56.0.
ISC XII 22 16 25 02.1–.34 7.27S–.06 120.74E–.09 543–5 4.1b 62 2-68
ISCJB XII 22 16 25 01.2–.35 7.26S–.06 120.68E–.09 549–5 4.1b **¶12078576**
IDC XII 22 16 25 02.3–1.0 7.20S 120.77E 547–13 3.1b,3.1
NEIC XII 22 16 25 02.4–.45 7.20S 120.82E 552–7 4.5b,3.1
DJA XII 22 16 25 09 6.74S 121.13E 475 3.9,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=7.0km az=156.3.
IDC Error ellipse: s-maj=38.1km s-min=10.0km az=63.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=5.0km az=57.0.
ISC XII 23 14 23 39.7–1.1 7.87S–.06 120.2E–.10 37–14 4.0b 24 2-68
IDC XII 23 14 23 34.8–1.4 7.78S 120.30E 0 3.8b,3.8 **¶12078683**
DJA XII 23 14 23 36 7.80S 120.34E 10 3.9,3.8
ISCJB XII 23 14 23 38.8–1.0 7.85S–.06 120.2E–.10 52–12 4.0b,3.8
NEIC XII 23 14 23 40.2–.94 7.56S 120.69E 35 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=97.7km s-min=17.6km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=6.8km az=153.8.
NEIC Event type se. Error ellipse: s-maj=73.0km s-min=7.6km az=58.0.
ISC XII 25 16 49 19.4–1.1 7.4S–.20 120.3E–.40 423–12 3.3b 20 2-73
IDC XII 25 16 49 19.5–1.7 7.35S 120.33E 422–18 3.0b,3.0 **¶12078946**
NEIC XII 25 16 49 19.4–.75 7.34S 120.36E 423–8 3.7b,3.0
ISC Event type se.
IDC Error ellipse: s-maj=94.7km s-min=17.8km az=58.0.
NEIC Event type se. Error ellipse: s-maj=44.9km s-min=8.5km az=61.0.
ISC XII 25 17 48 31.7–1.0 7.8S–.10 120.4E–.20 220–14 3.3b 20 3-68
ISCJB XII 25 17 48 29.8–1.1 7.8S–.10 120.3E–.20 219–13 3.3b **¶12078949**
IDC XII 25 17 48 29.6–3.1 8.02S 119.88E 208–26 3.3,3.2
NEIC XII 25 17 48 31.1–1.2 7.79S 120.32E 215–15 3.8b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.0km s-min=10.2km az=152.7.
IDC Error ellipse: s-maj=108.4km s-min=14.2km az=60.0.
NEIC Event type se. Error ellipse: s-maj=36.8km s-min=12.3km az=64.0.
IDC XII 28 07 18 13.4–2.8 7.11S 120.11E 436–51 3.2b,3.2
¶12079252

IDC Error ellipse: s-maj=131.3km s-min=70.3km az=64.0.

(280) Banda Sea.

ISC VII 02 09 18 19.3–.69 7.21S–.06 129.14E–.10 153–10 4.0b 24 4-72
IDC VII 02 09 18 00.5–2.3 6.06S 130.71E 0 4.4L,4.2 **¶11799252**
ISCJB VII 02 09 18 18.6–.70 7.22S–.05 129.17E–.09 168–11 4.0b,4.2
DJA VII 02 09 18 20 7.17S 129.11E 145 4.5,4.2
NEIC VII 02 09 18 24.6–3.2 7.48S 129.41E 232–41 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=262.2km s-min=22.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=7.3km az=159.4.
NEIC Event type se. Error ellipse: s-maj=33.1km s-min=23.2km az=151.0.
IDC VII 02 16 20 19.6–2.2 6.60S 129.84E 0 3.6,3.5b
¶12697948

IDC Error ellipse: s-maj=88.9km s-min=28.2km az=77.0.
ISC VII 03 02 01 08.4–1.6 7.17S–.08 129.5E–.10 170–15 3.7b 21 6-72
IDC VII 03 02 00 48.6–2.2 5.84S 131.27E 0 4.3L,4.3 **¶12697956**
NEIC VII 03 02 01 06.0–3.0 6.89S 129.40E 138–31 4.1b,4.3
ISCJB VII 03 02 01 07.8–2.1 7.11S–.09 129.6E–.10 183–22 3.7b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 03 16 29 50.4–2.3 7.5S–.10 129.8E–.10 163–27 13 8-68
IDC VII 03 16 29 32.5–2.4 6.57S 130.40E 0 4.4b,4.1 **¶12697984**
ISCJB VII 03 16 29 50.1–2.7 7.4S–.10 129.8E–.10 180–32 4.4b,4.1
IDC VII 03 20 07 46.2–2.0 7.56S 127.28E 0 3.9,3.8L
¶12697990

IDC Error ellipse: s-maj=216.0km s-min=31.1km az=63.0.
IDC VII 04 09 52 14.5–2.2 6.50S 130.57E 0 4.0s,4.0
¶12698002

IDC Error ellipse: s-maj=89.4km s-min=28.4km az=78.0.
ISC VII 04 13 48 22.3–.68 7.72S–.06 125.88E–.07 43–8 4.0b,3.6s 51 4-92
IDC VII 04 13 48 16.5–.72 7.46S 126.07E 0 4.2,4.1 **¶11810613**
ISCJB VII 04 13 48 19.5–.86 7.73S–.06 125.91E–.07 37–9 4.0b,3.6s
NEIC VII 04 13 48 21.3–.37 7.66S 125.94E 35 4.6b,3.6s
DJA VII 04 13 48 22 7.48S 126.10E 70 4.9W,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=15.2km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=5.3km az=140.7.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.2km az=57.0.
ISC VII 05 23 41 40.3–1.1 7.44S–.05 129.09E–.07 185–12 4.4b 52 6-128
NEIC VII 05 23 41 38.9–2.1 7.10S 129.37E 164–23 4.3b **¶11227002**
IDC VII 05 23 41 40.1–5.4 7.00S 129.33E 170–55 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=12.4km az=49.0.
IDC Error ellipse: s-maj=25.7km s-min=16.7km az=56.0.
IDC VII 06 08 30 53.8–2.1 7.12S 127.62E 0 3.9b,3.6
¶12698038

IDC Error ellipse: s-maj=108.9km s-min=27.3km az=72.0.
IDC VII 06 09 18 57.9–2.3 4.69S 129.87E 0 3.9,3.8b
¶12698039

IDC Error ellipse: s-maj=142.3km s-min=29.9km az=70.0.
ISC VII 06 13 56 29.1–3.2 6.7S–.20 130.1E–.20 121–33 3.7b 11 6-151
IDC VII 06 13 56 26.2–7.6 6.76S 129.60E 90–70 4.2L,3.8 **¶11810801**
ISCJB VII 06 13 56 28.3–3.8 6.7S–.20 130.1E–.30 133–39 3.6b,3.8
NEIC VII 06 13 56 29.2–2.4 6.69S 129.86E 117–23 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=107.3km s-min=25.7km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=47.3km s-min=25.1km az=144.6.
NEIC Event type se. Error ellipse: s-maj=35.0km s-min=17.5km az=62.0.
ISC VII 06 17 44 20.2–.43 6.93S–.03 129.72E–.04 176–4 4.7b 155 3-151
BJI VII 06 17 44 10.7 7.36S 130.05E 144 4.8b,4.7b **¶11086393**
MOS VII 06 17 44 12.6–.93 6.75S 129.48E 112 4.9b,4.7b
IDC VII 06 17 44 15.5–2.6 6.77S 129.50E 123–24 4.4,4.4
NEIC VII 06 17 44 17.2–1.1 6.81S 129.60E 144–11 4.8b,4.4
ISCJB VII 06 17 44 19.3–.44 6.88S–.03 129.72E–.04 183–4 4.7b,4.4
DJA VII 06 17 44 21 6.92S 129.67E 160 5.1b,4.4
ISC Event type se.
MOS Error ellipse: s-maj=16.5km s-min=7.3km az=115.1.
IDC Error ellipse: s-maj=18.6km s-min=10.7km az=70.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.9km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.1km az=160.3.
ISC VII 07 10 03 15.3–2.0 6.8S–.10 129.9E–.10 156–17 11 6-68
IDC VII 07 10 02 59.0–1.9 6.08S 130.00E 0 4.1,4.1s **¶12698057**
IDC Error ellipse: s-maj=67.8km s-min=27.6km az=77.0.
ISC VII 07 22 00 45.2–.92 4.71S–.08 128.2E–.20 35 7 1-65
IDC VII 07 22 00 40.0–2.3 4.28S 129.18E 0 3.6,3.5b **¶12698077**
ISCJB VII 07 22 00 43.8–.93 4.75S–.07 128.2E–.20 33 3.6,3.5b
DJA VII 07 22 00 46 2.92S 128.70E 15 3.1,3.5b
IDC Error ellipse: s-maj=162.5km s-min=29.7km az=69.0.
ISCJB Error ellipse: s-maj=23.4km s-min=8.3km az=162.3.
ISC VII 09 08 42 46.7–1.2 6.77S–.07 128.3E–.10 290–13 3.8b 23 7-147
ISCJB VII 09 08 42 43.6–1.4 6.65S–.08 128.2E–.10 275–14 3.8b **¶11811066**
NEIC VII 09 08 42 46.6–1.3 6.71S 128.21E 289–13 4.3b
IDC VII 09 08 42 47.5–3.1 6.79S 128.11E 300–33 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=10.6km az=158.6.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=10.5km az=225.0.

IDC Error ellipse: s-maj=36.6km s-min=11.3km az=68.0.
ISC VII 09 09 41 38.1–1.9 6.7S–.10 130.2E–.10 146–17 11 6-68
NEIC VII 09 09 41 35.4–3.3 6.49S 130.23E 122–33 ¶11811070
IDC VII 09 09 41 40.6–5.5 6.74S 130.00E 175–52 3.7b,3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=37.6km s-min=26.1km az=60.0.
IDC Error ellipse: s-maj=63.5km s-min=23.1km az=71.0.
ISC VII 09 11 10 01.8–1.4 7.47S–.09 129.5E–.10 35 12 6-68
IDC VII 09 11 09 56.2–2.3 7.23S 129.88E 0 3.7b,3.7 ¶11811076
ISCJB VII 09 11 09 59.7–1.4 7.54S–.09 129.5E–.10 33 3.7b,3.7
NEIC VII 09 11 10 11.3–3.9 7.87S 129.68E 146–44 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=99.0km s-min=27.8km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=12.4km az=163.2.
NEIC Event type se. Error ellipse: s-maj=38.5km s-min=33.7km az=218.0.
ISC VII 10 08 04 58.8–.52 6.79S–.04 130.04E–.05 156–6 4.1b 64 3-151
IDC VII 10 08 04 55.9–4.5 6.64S 130.01E 126–42 4.1,4.0 ¶11811160
ISCJB VII 10 08 04 58.0–.54 6.82S–.04 130.02E–.05 167–7 4.1b,4.0
NEIC VII 10 08 04 57.5–2.0 6.71S 129.98E 142–20 4.5b,4.0
DJA VII 10 08 04 59 6.69S 130.04E 160 4.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=15.0km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.6km az=162.1.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=12.1km az=223.0.
ISC VII 10 14 12 01.4–.71 7.66S–.05 125.57E–.06 48–9 4.1b 46 3-71
IDC VII 10 14 11 55.0–1.1 7.52S 125.81E 0 4.3,4.2 ¶11811177
ISCJB VII 10 14 11 58.8–.83 7.72S–.05 125.55E–.06 49–10 4.1b,4.2
NEIC VII 10 14 12 00.9–1.6 7.48S 125.79E 40–18 4.1b,4.2
DJA VII 10 14 12 02 7.54S 125.53E 140 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=40.0km s-min=21.8km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=4.9km az=145.7.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=10.5km az=49.0.
ISC VII 10 15 18 07.9–2.4 7.40S–.04 125.96E–.05 9–15 4.5b,3.3s 86 4-125
ISCJB VII 10 15 18 05.3–2.2 7.36S–.04 125.92E–.05 3–14 4.5b,3.3s ¶11479935
IDC VII 10 15 18 06.4–.88 7.47S 125.86E 0 4.4,4.4
BJI VII 10 15 18 06.0 7.53S 126.28E 19 4.7b,4.7b
NEIC VII 10 15 18 07.8–3.7 7.47S 125.94E 13–24 4.5b,4.7b
DJA VII 10 15 18 40 7.20S 123.43E 30 4.6b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.8km az=140.6.
IDC Error ellipse: s-maj=29.7km s-min=20.4km az=69.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.0km az=46.0.
IDC VII 11 12 36 37.0–2.2 5.91S 129.47E 0 3.8,3.7L
¶12698137
IDC Error ellipse: s-maj=93.0km s-min=27.9km az=75.0.
ISC VII 11 21 55 31.9–.31 7.61S–.03 124.77E–.04 384–4 4.2b 91 3-153
BJI VII 11 21 55 29.1 7.31S 125.01E 367 4.0b ¶11479958
ISCJB VII 11 21 55 31.0–.32 7.61S–.03 124.78E–.04 394–4 4.2b
DJA VII 11 21 55 31 7.65S 124.77E 385 4.5b
NEIC VII 11 21 55 31.1–.77 7.52S 124.87E 377–9 4.2b
IDC VII 11 21 55 32.2–1.9 7.56S 124.88E 390–21 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.9km az=154.4.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.4km az=69.0.
IDC Error ellipse: s-maj=20.1km s-min=7.5km az=71.0.
IDC VII 11 22 19 25.2–2.3 5.86S 130.14E 0 3.4b,3.3
¶12698144
IDC Error ellipse: s-maj=145.5km s-min=31.3km az=70.0.
ISC VII 11 22 23 50.7–3.7 7.8S–.20 128.1E–.20 170–46 3.7b 11 6-78
IDC VII 11 22 23 33.5–1.6 7.62S 127.09E 0 4.1,4.0L ¶11811306
NEIC VII 11 22 23 48.2–2.8 7.69S 127.79E 137–33 4.2b,4.0L
ISCJB VII 11 22 23 50.1–3.9 7.8S–.20 128.1E–.20 182–47 3.7b,4.0L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 11 23 01 38.1–2.4 6.71S 127.61E 0 3.5,3.3
¶12698146
IDC Error ellipse: s-maj=304.5km s-min=30.8km az=65.0.
IDC VII 12 12 47 26.8–2.3 6.85S 128.47E 0 4.0,3.9L
¶12698162
IDC Error ellipse: s-maj=100.9km s-min=29.0km az=74.0.
ISC VII 12 22 22 43.7–2.6 6.9S–.20 125.5E–.30 527–43 3.6b 16 11-81
ISCJB VII 12 22 22 42.0–3.5 6.8S–.20 125.4E–.30 515–55 3.6b ¶11811406
NEIC VII 12 22 22 43.1–2.0 6.84S 125.57E 520–32 3.7b
IDC VII 12 22 22 44.6–1.9 6.95S 125.47E 542–26 3.2b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=42.8km s-min=29.4km az=175.7.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=20.5km az=65.0.
IDC Error ellipse: s-maj=37.8km s-min=16.9km az=76.0.
IDC VII 13 10 34 52.0–12 5.64S 130.49E 0 4.4b,3.8
¶12698189
IDC Error ellipse: s-maj=171.1km s-min=91.2km az=151.0.
IDC VII 13 16 47 03.6–2.4 4.02S 131.05E 0 4.0,3.9L
¶12698196
IDC Error ellipse: s-maj=98.1km s-min=27.3km az=75.0.
ISC VII 14 12 02 49.6–.66 7.75S–.05 127.57E–.07 175–8 4.1b 48 4-152
IDC VII 14 12 02 45.2–3.3 7.52S 127.55E 124–30 4.1,4.1 ¶11811556
NEIC VII 14 12 02 47.8–2.2 7.63S 127.52E 154–26 4.5b,4.1
ISCJB VII 14 12 02 49.0–.65 7.79S–.04 127.65E–.06 193–8 4.0b,4.1
DJA VII 14 12 02 50 7.74S 127.49E 190 4.7,4.1
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=12.5km az=69.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=14.8km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.6km az=157.2.
ISC VII 14 18 55 53.6–1.5 6.9S–.10 125.3E–.20 509–21 3.5b 17 11-76
ISCJB VII 14 18 55 51.7–2.0 6.9S–.10 125.3E–.20 497–29 3.5b ¶11811581
NEIC VII 14 18 55 52.8–1.9 6.85S 125.43E 499–29 3.5b
IDC VII 14 18 55 54.4–1.8 6.96S 125.29E 523–22 3.3,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=39.9km s-min=11.8km az=155.4.
NEIC Event type se. Error ellipse: s-maj=30.8km s-min=15.8km az=59.0.
IDC Error ellipse: s-maj=41.7km s-min=10.5km az=69.0.
ISC VII 15 01 09 29.4–1.2 7.77S–.06 128.57E–.07 193–13 4.3b 42 6-151
IDC VII 15 01 09 24.0–4.9 7.46S 128.54E 126–44 4.2,4.0 ¶11811616
NEIC VII 15 01 09 27.4–1.9 7.55S 128.54E 162–21 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=46.1km s-min=16.1km az=59.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=13.6km az=214.0.
IDC VII 15 08 30 29.7–1.7 7.85S 124.13E 0 3.6,3.5
¶12698228
IDC Error ellipse: s-maj=122.4km s-min=26.0km az=64.0.
ISC VII 15 10 50 09.2–4.2 7.8S–.20 128.4E–.20 188–52 3.7b 12 6-72
IDC VII 15 10 49 50.6–2.1 6.89S 128.78E 0 3.8,3.6L ¶11811647
NEIC VII 15 10 50 04.6–3.3 7.45S 128.23E 127–37 4.7b,3.6L
ISCJB VII 15 10 50 08.0–3.7 7.8S–.20 128.4E–.20 194–45 3.6b,3.6L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 15 13 36 50.5–1.5 7.12S–.08 129.32E–.10 151–13 4.0b 30 6-68
NEIC VII 15 13 36 48.6–3.6 6.91S 129.38E 144–33 4.4b ¶11811655
IDC VII 15 13 36 50.1–5.1 7.07S 129.13E 161–51 3.7,3.5b
ISCJB VII 15 13 36 51.2–1.8 7.20S–.09 129.35E–.09 171–17 4.0b,3.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 15 14 48 18.2–5.8 7.5S–.30 129.0E–.40 147–57 3.3b 8 8-68
IDC VII 15 14 48 15.2–3.0 7.35S 129.10E 119–29 3.5,3.3b ¶12698233
IDC Error ellipse: s-maj=25.6km s-min=8.8km az=34.0.
IDC VII 15 18 40 44.3–4.4 6.23S 128.53E 372–50 2.8,2.6
¶12698235

IDC Error ellipse: s-maj=69.3km s-min=18.2km az=70.0.
ISC VII 16 14 17 00.6–1.5 7.07S–.09 129.6E–.10 155–16 3.7b 20 6-71
IDC VII 16 14 16 50.6–10 6.57S 129.90E 52–100 4.1L,4.0 ¶11811749
ISCJB VII 16 14 16 55.6–2.2 6.9S–.10 129.6E–.10 117–23 3.8b,4.0
NEIC VII 16 14 16 58.1–2.6 6.92S 129.51E 124–29 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=130.2km s-min=25.8km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=25.5km s-min=13.4km az=149.8.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=18.0km az=57.0.
DJA VII 17 03 42 38 6.00S 130.39E 121 4.1b
¶12921926
IDC VII 17 07 50 24.7–2.0 7.88S 127.97E 0 3.7,3.6b
¶12698268
IDC Error ellipse: s-maj=96.2km s-min=27.4km az=73.0.
ISC VII 20 00 33 55.5–.62 4.03S–.05 130.82E–.06 57–8 3.9b 43 2-90
ISCJB VII 20 00 33 53.7–.73 4.00S–.05 130.82E–.06 58–9 3.9b ¶11812118
DJA VII 20 00 33 57 3.84S 130.81E 100 4.7
NEIC VII 20 00 33 59.2–2.6 4.18S 130.91E 102–29 4.2b
IDC VII 20 00 34 03.2–6.5 3.98S 130.76E 124–67 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=7.2km az=154.2.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=13.5km az=219.0.
IDC Error ellipse: s-maj=47.8km s-min=17.9km az=52.0.
ISC VII 20 08 57 29.5–2.7 5.7S–.20 126.4E–.20 60–31 3.9b 10 7-69
IDC VII 20 08 57 22.3–1.6 5.35S 126.65E 0 3.9b,3.8L ¶11812158
ISCJB VII 20 08 57 26.9–3.4 5.6S–.20 126.4E–.20 53–36 3.9b,3.8L
NEIC VII 20 08 57 30.8–2.2 5.79S 126.36E 78–26 4.1b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=269.4km s-min=25.8km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=45.9km s-min=11.8km az=40.8.
NEIC Event type se. Error ellipse: s-maj=37.0km s-min=10.5km az=220.0.
ISC VII 20 19 05 10.8–.68 7.84S–.07 127.22E–.05 175–9 3.6b 16 5-71
IDC VII 20 19 04 53.5–2.0 6.72S 128.11E 0 4.3L,4.1 ¶12698354
ISCJB VII 20 19 05 09.8–.72 7.71S–.07 127.18E–.05 170–11 3.6b,4.1
DJA VII 20 19 05 09 7.76S 127.21E 30 4.8b,4.1
IDC Error ellipse: s-maj=122.2km s-min=34.5km az=63.0.
ISCJB Error ellipse: s-maj=10.7km s-min=8.0km az=177.3.
ISC VII 22 06 44 59.1–1.6 7.53S–.08 128.3E–.10 155–19 3.9b 23 5-78
IDC VII 22 06 44 43.5–1.1 6.86S 128.48E 0 4.6L,4.4 ¶12698377
ISCJB VII 22 06 44 59.2–1.4 7.57S–.06 128.3E–.10 177–15 3.9b,4.4
DJA VII 22 06 45 04 7.86S 128.60E 121 4.7b,4.4
IDC Error ellipse: s-maj=47.2km s-min=22.0km az=69.0.
ISCJB Error ellipse: s-maj=18.2km s-min=9.7km az=9.2.
ISC VII 24 05 59 48.9–.48 5.66S–.04 131.03E–.04 93–5 4.7b 109 2-92
BJI VII 24 05 59 40.3 6.05S 131.32E 66 4.9b,4.9b ¶11153661
NEIC VII 24 05 59 43.3–.32 5.58S 130.86E 35 4.8b,4.9b
ISCJB VII 24 05 59 47.6–.55 5.66S–.03 131.02E–.04 100–6 4.7b,4.9b
DJA VII 24 05 59 50 5.69S 131.10E 105 4.8b,4.9b
IDC VII 24 05 59 51.4–.66 5.62S 131.13E 120–5 4.2,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.6km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.0km az=146.2.
IDC Error ellipse: s-maj=23.6km s-min=10.3km az=63.0.
DJA VII 26 09 20 43 4.66S 127.97E 13 3.9
¶12922046
IDC VII 27 01 43 43.0–3.4 7.72S 123.37E 172–37 3.7s,3.6
¶12698447
IDC Error ellipse: s-maj=62.8km s-min=13.0km az=68.0.
ISC VII 27 07 28 13.5–1.0 6.34S–.05 130.31E–.09 117–12 3.9b 27 3-151
IDC VII 27 07 28 09.9–5.2 6.17S 130.34E 80–49 4.2L,3.8 ¶11812698
ISCJB VII 27 07 28 11.9–1.1 6.32S–.04 130.27E–.09 120–12 3.9b,3.8
NEIC VII 27 07 28 12.2–1.9 6.19S 130.30E 100–19 3.7b,3.8
DJA VII 27 07 28 16 6.53S 130.69E 141 4.8,3.8
ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=17.6km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=6.6km az=13.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.6km az=222.0.
ISC VII 27 10 01 12.5–.40 6.59S–.05 127.54E–.06 417–5 3.7b 51 3-94
ISCJB VII 27 10 01 11.7–.40 6.59S–.05 127.50E–.06 424–5 3.7b ¶11812706
NEIC VII 27 10 01 11.6–1.1 6.59S 127.45E 406–14 4.1b
DJA VII 27 10 01 11 6.37S 127.60E 448 4.5b
IDC VII 27 10 01 12.4–3.2 6.61S 127.44E 414–40 3.4b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.5km az=137.2.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.3km az=50.0.
IDC Error ellipse: s-maj=27.7km s-min=13.1km az=58.0.
IDC VII 27 11 46 13.7–2.1 6.74S 129.85E 0 4.4b,4.4
¶12698457
IDC Error ellipse: s-maj=139.9km s-min=30.6km az=69.0.
ISC VII 27 19 30 51.5–.33 7.46S–.02 126.50E–.03 322–3 4.8b 270 4-159
MOS VII 27 19 30 46.0–1.1 7.28S 126.46E 275 4.9b ¶11153833
BJI VII 27 19 30 48.6 7.40S 126.75E 318 4.7b,4.6b
NEIC VII 27 19 30 50.8–.57 7.36S 126.49E 314–5 4.9b,4.6b
ISCJB VII 27 19 30 50.2–.32 7.46S–.02 126.47E–.03 325–3 4.8b,4.6b
IDC VII 27 19 30 51.2–1.3 7.38S 126.49E 318–12 4.7,4.6b
DJA VII 27 19 30 51 7.55S 126.48E 288 5.5b,4.6b
GCMT VII 27 19 30 53.3–.50 7.33S 126.45E 328–3 5.2W,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=10.7km s-min=6.2km az=112.3.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.1km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=151.6.
IDC Error ellipse: s-maj=13.4km s-min=6.7km az=65.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s39,c55; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.35±.35 $M_{\theta\theta}$4.78±.47; $M_{\phi\phi}$-3.43±.61; $M_{r\theta}$-1.58±.50; $M_{\theta\phi}$4.63±.47; $M_{\phi r}$1.53±.52; Best double couple: NP1:ϕ_s203.00000°,δ70.00000°,λ-168.00000°. NP2: ϕ_s109.00000°,δ79.00000°,λ-20.00000°. Principal axes: T 6.9500,Plg6.0000°,Azm157.0000° ; N -0.5900,Plg67.0000°,Azm261.0000°; P -6.3600,Plg22.0000°,Azm64.0000° $M_0$6.70000×10^{16}
ISC VII 28 12 47 50.9–1.0 7.50S–.05 128.42E–.08 163–11 3.9b 38 4-151
IDC VII 28 12 47 47.2–3.7 7.33S 128.41E 118–35 4.0,3.9 ¶11812779
ISCJB VII 28 12 47 48.7–1.2 7.39S–.05 128.35E–.08 153–12 3.9b,3.9
NEIC VII 28 12 47 48.9–1.6 7.39S 128.41E 138–17 4.6b,3.9
DJA VII 28 12 48 00 6.79S 128.91E 140 4.1,3.9
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=13.8km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.4km az=173.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=9.9km az=224.0.
IDC VII 28 23 36 22.3–7.4 4.62S 129.91E 0 3.8L,3.8
¶12698475
IDC Error ellipse: s-maj=685.7km s-min=29.2km az=70.0.
ISC VII 29 20 04 01.7–.78 5.0S–.10 129.4E–.10 216–7 3.6b 18 1-70
IDC VII 29 20 03 38.6–2.0 4.14S 130.08E 0 3.9b,3.8 ¶11812869
ISCJB VII 29 20 04 00.8–.77 4.98S–.06 129.4E–.10 225–7 3.6b,3.8
NEIC VII 29 20 04 00.1–2.3 4.89S 129.33E 196–25 4.3b,3.8
DJA VII 29 20 04 05 5.64S 128.89E 20 3.8,3.8
ISC Event type se.
IDC Error ellipse: s-maj=90.2km s-min=26.2km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=8.6km az=160.8.
NEIC Event type se. Error ellipse: s-maj=38.3km s-min=12.6km az=58.0.
IDC VIII 01 05 01 20.8–8.0 7.16S 126.76E 454–119 3.0b,2.9
¶12580883
IDC Error ellipse: s-maj=108.8km s-min=56.1km az=55.0.
ISC VIII 01 21 07 40.0–1.2 7.05S–.07 129.7E–.10 151–14 3.8b 37 3-151
IDC VIII 01 21 07 35.2–4.5 6.83S 129.66E 101–41 3.9,3.8 ¶11907682
NEIC VIII 01 21 07 38.4–1.4 6.90S 129.46E 128–15 4.1b,3.8
ISCJB VIII 01 21 07 39.8–1.2 7.06S–.06 129.6E–.10 167–13 3.8b,3.8
DJA VIII 01 21 07 41 7.10S 129.65E 155 4.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=15.6km az=71.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.6km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=8.4km az=157.4.

ISC VIII 02 13 31 52.8–.36 4.83S–.05 129.35E–.05 210–4 3.9b 54 1-82
ISCJB VIII 02 13 31 51.7–.36 4.82S–.04 129.37E–.05 217–4 3.9b **¶11907702**
NEIC VIII 02 13 31 52.0–1.4 4.82S 129.28E 200–15 4.2b
DJA VIII 02 13 31 53 4.81S 129.40E 201 4.6b
IDC VIII 02 13 31 58.3–3.9 4.93S 129.21E 263–41 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.6km az=146.7.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.3km az=219.0.
IDC Error ellipse: s-maj=43.3km s-min=10.1km az=66.0.
ISC VIII 02 15 52 47.2–4.1 7.6S–.20 127.4E–.20 131–48 3.6b 9 7-83
IDC VIII 02 15 52 33.4–2.4 6.99S 127.85E 0 4.4s,4.4 **¶11907706**
ISCJB VIII 02 15 52 45.6–4.9 7.6S–.20 127.4E–.20 134–57 3.6b,4.4
NEIC VIII 02 15 52 47.9–4.0 7.65S 127.41E 140–47 3.8b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=139.8km s-min=29.8km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=42.6km s-min=27.8km az=155.3.
NEIC Event type se. Error ellipse: s-maj=33.8km s-min=24.2km az=151.0.
ISC VIII 04 20 45 15.8–.30 5.93S–.02 130.31E–.02 188–2 6.0b 604 1-165
BJI VIII 04 20 45 07.1 6.33S 130.66E 160 6.0b,5.8b **¶13390864**
TEH VIII 04 20 45 10.0 5.91S 130.28E 118 6.0b,5.8b
BGS VIII 04 20 45 13.9–1.3 5.92S 130.20E 175–0 6.1b,5.8b
IGIL VIII 04 20 45 13.3 5.90S 130.27E 158 6.1b,5.8b
NEIC VIII 04 20 45 14.0–.08 5.92S 130.20E 174 6.3W,6.1b
MOS VIII 04 20 45 13.2–.86 5.90S 130.24E 177 6.2b,5.5s
ISCJB VIII 04 20 45 14.6–.30 5.94S–.02 130.31E–.02 192–2 5.9b,5.5s
CASC VIII 04 20 45 15.7–3.3 5.92S 130.20E 174–0 6.1b,5.5s
IDC VIII 04 20 45 15.2–.41 5.84S 130.27E 183–3 5.6,5.6
DJA VIII 04 20 45 16.2–.20 6S–3.0 130E–2.0 184–3 6.9,6.5b
GCMT VIII 04 20 45 19.7–.10 5.93S 130.47E 174–0 6.3W,6.5b
ISC Event type fe.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=3.0km az=48.0. Felt [III] at Saumlaki and Tual, Indonesia. Also felt at Biak and Sorong. Felt [II] at Darwin, Australia. Moment Tensor Solution. s36 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.59 $M_{\theta\theta}$0.89 $M_{\phi\phi}$0.70 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.41 $M_{\phi r}$-0.54 Best double couple: NP1:ϕ_s238.00000°,δ37.00000°,λ-76.00000°. NP2:ϕ_s41.00000°,δ55.00000°,λ-100.00000°. Principal axes: T 1.2800,Plg9.0000°,Azm138.0000° ; N 0.4300,Plg8.0000°,Azm46.0000°; P -1.7100,Plg77.0000°,Azm274.0000° $M_0$1.50000×10^{18}
MOS Error ellipse: s-maj=9.6km s-min=6.5km az=110.6.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.7km az=144.3.
CASC Error ellipse: s-maj=345.3km s-min=108.7km az=-1.0.
IDC Error ellipse: s-maj=9.0km s-min=5.9km az=59.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=109, comp=261, per= 50. Moment Tensor Solution. s112,c274; s95,c155; Moment tensor: Scale 10^{18}Nm; M_{rr}-2.87±.01 $M_{\theta\theta}$1.66±.02; $M_{\phi\phi}$1.22±.02; $M_{r\theta}$-0.19±.02; $M_{\theta\phi}$1.59±.02; $M_{\phi r}$-0.38±.02; Best double couple: NP1:ϕ_s232.00000°,δ41.00000°,λ-85.00000°. NP2:ϕ_s46.00000°,δ49.00000°,λ-95.00000°. Principal axes: T 3.0700,Plg4.0000°,Azm139.0000°; N -0.1600,Plg3.0000°,Azm49.0000° ; P -2.9100,Plg85.0000°,Azm277.0000° $M_0$3.00000×10^{18}
IDC VIII 05 05 59 18.7–6.1 6.80S 129.56E 233–61 3.4b,3.3
¶12580928
IDC Error ellipse: s-maj=71.5km s-min=21.2km az=71.0.
ISC VIII 05 10 50 33.7–.49 6.42S–.04 130.45E–.07 122–6 4.2b 51 2-151
IDC VIII 05 10 50 19.0–.77 5.93S 130.89E 0 4.8L,4.5 **¶11907787**
NEIC VIII 05 10 50 31.9–2.1 6.31S 130.40E 103–21 4.2b,4.5
ISCJB VIII 05 10 50 32.7–.53 6.42S–.04 130.46E–.07 132–6 4.2b,4.5
DJA VIII 05 10 50 34 6.43S 130.39E 113 4.9,4.5
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=17.3km az=64.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=11.5km az=217.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=5.4km az=159.0.
ISC VIII 06 16 21 16.1–.52 6.20S–.05 130.83E–.07 108–5 4.5b 54 2-129
BJI VIII 06 16 21 03.4 6.41S 131.05E 35 5.1b,4.5s **¶11652823**
ISCJB VIII 06 16 21 15.0–.52 6.19S–.04 130.82E–.07 117–5 4.5b,4.5s
NEIC VIII 06 16 21 15.2–2.1 6.16S 130.61E 96–22 4.5b,4.5s
IDC VIII 06 16 21 16.3–5.4 6.14S 130.66E 109–53 4.0,3.9
DJA VIII 06 16 21 17 6.13S 130.68E 113 4.5,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=5.6km az=157.7.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=10.8km az=48.0.
IDC Error ellipse: s-maj=39.5km s-min=18.3km az=61.0.
ISC VIII 07 02 58 03.9–1.5 6.44S–.10 128.1E–.20 411–21 3.7b 16 8-152
ISCJB VIII 07 02 58 01.3–1.4 6.41S–.10 128.0E–.20 395–15 3.7b **¶11907852**
NEIC VIII 07 02 58 02.5–1.7 6.40S 127.92E 391–18 4.4b
IDC VIII 07 02 58 05.3–4.3 6.39S 128.35E 411–41 3.4,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.0km s-min=12.5km az=157.8.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=17.4km az=82.0.
IDC Error ellipse: s-maj=74.8km s-min=17.5km az=77.0.
ISC VIII 10 10 47 17.2–.53 7.76S–.04 127.59E–.06 171–7 4.4b 67 4-151
NEIC VIII 10 10 47 15.1–1.4 7.62S 127.59E 150–13 4.5b **¶11377558**
ISCJB VIII 10 10 47 16.4–.53 7.76S–.04 127.61E–.06 182–6 4.4b
IDC VIII 10 10 47 16.6–2.6 7.60S 127.51E 162–24 4.0,3.9b
DJA VIII 10 10 47 17 7.84S 127.56E 137 4.9b,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.6km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.9km az=155.6.
IDC Error ellipse: s-maj=22.0km s-min=10.9km az=67.0.
IDC VIII 11 09 15 17.9–1.7 5.68S 130.52E 0 4.1,3.9
¶12581023
IDC Error ellipse: s-maj=94.9km s-min=36.6km az=73.0.
ISC VIII 12 01 01 22.3–1.8 7.13S–.09 129.9E–.20 149–19 4.0b 23 6-151
IDC VIII 12 01 01 18.2–5.0 6.97S 129.93E 108–48 4.0,3.9b **¶11908100**
NEIC VIII 12 01 01 21.5–1.7 7.02S 129.83E 138–18 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=17.1km az=63.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=11.4km az=62.0.
ISC VIII 13 11 04 47.3–1.4 7.44S–.09 126.7E–.10 331–15 3.6b 21 8-83
IDC VIII 13 11 04 45.9–3.5 7.40S 126.78E 318–35 3.3,3.2b **¶11908152**
NEIC VIII 13 11 04 47.2–1.7 7.51S 126.51E 325–20 3.9b,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=52.9km s-min=13.7km az=64.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=14.6km az=66.0.
ISC VIII 16 16 31 16.9–4.3 4.27S–.07 131.1E–.10 21–32 3.8b 16 8-76
IDC VIII 16 16 31 12.2–2.5 4.01S 131.73E 0 3.8,3.7b **¶11908312**
NEIC VIII 16 16 31 18.7–3.1 4.30S 131.09E 35–31 4.4b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=117.9km s-min=26.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=15.8km az=216.0.
IDC VIII 16 19 05 10.1–2.2 6.69S 129.31E 0 3.5,3.4b
¶12581135
IDC Error ellipse: s-maj=89.7km s-min=28.3km az=76.0.
ISC VIII 16 19 23 39.3–2.0 6.7S–.10 130.3E–.20 150–17 12 6-68
NEIC VIII 16 19 23 36.5–3.4 6.49S 130.23E 125–35 **¶11908321**
ISCJB VIII 16 19 23 39.3–2.5 6.7S–.10 130.4E–.20 175–27
IDC VIII 16 19 23 41.5–5.5 6.75S 130.01E 176–53 3.7b,3.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=38.4km s-min=28.0km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=19.0km az=167.4.
IDC Error ellipse: s-maj=63.6km s-min=22.8km az=71.0.
ISC VIII 16 19 52 04.6–1.1 4.26S–.06 129.93E–.07 70–11 3.8b 21 0-83
NEIC VIII 16 19 51 57.7–.71 4.12S 129.93E 10 4.0b **¶11908322**
ISCJB VIII 16 19 52 01.6–.00 4.20S–.06 129.96E–.07 53–10 3.8b
DJA VIII 16 19 52 03 4.42S 129.82E 25 3.5
IDC VIII 16 19 52 07.4–4.2 4.38S 129.72E 86–39 3.7,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=11.5km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=8.5km az=147.3.
IDC Error ellipse: s-maj=41.8km s-min=12.1km az=69.0.
IDC VIII 17 14 22 49.0–13 7.93S 123.48E 180–138 3.3,3.2b
¶12581157
IDC Error ellipse: s-maj=128.3km s-min=41.5km az=59.0.

ISC VIII 17 16 54 28.5–.71 6.29S–.05 130.31E–.09 148–10 3.8b 31 2-82
IDC VIII 17 16 54 11.2–1.6 5.63S 130.92E 0 4.3,4.2b **¶11908362**
ISCJB VIII 17 16 54 27.9–.72 6.29S–.04 130.26E–.09 160–9 3.8b,4.2b
NEIC VIII 17 16 54 27.9–2.1 6.22S 130.21E 139–23 4.8b,4.2b
DJA VIII 17 16 54 30 6.32S 130.28E 156 4.4b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=71.2km s-min=20.2km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=6.6km az=170.5.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=13.1km az=50.0.
IDC VIII 17 21 09 21.5–2.1 6.16S 129.71E 0 4.0b,4.0
¶12581163
IDC Error ellipse: s-maj=93.3km s-min=26.5km az=76.0.
IDC VIII 19 17 59 12.1–10 7.25S 123.58E 75–116 3.3,3.1
¶12581204
IDC Error ellipse: s-maj=152.0km s-min=46.0km az=48.0.
IDC VIII 20 07 44 10.7–2.1 6.98S 128.55E 0 4.2b,4.1
¶12581227
IDC Error ellipse: s-maj=103.8km s-min=26.6km az=74.0.
IDC VIII 20 10 09 47.5–9.3 4.51S 127.24E 374–111 3.3,3.1b
¶12581230
IDC Error ellipse: s-maj=118.3km s-min=30.6km az=64.0.
ISC VIII 20 16 43 20.3–2.0 7.87S–.10 127.70E–.10 112–21 3.7b 27 7-151
ISCJB VIII 20 16 43 20.1–1.9 7.79S–.08 127.8E–.10 128–20 3.6b **¶11908498**
IDC VIII 20 16 43 20.4–3.6 7.80S 127.67E 111–34 3.7,3.6
NEIC VIII 20 16 43 21.2–1.8 7.76S 127.80E 119–17 4.5b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=11.5km az=157.9.
IDC Error ellipse: s-maj=33.1km s-min=16.1km az=65.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=12.6km az=223.0.
ISC VIII 21 14 44 00.5–1.9 6.7S–.10 129.9E–.20 164–19 9 7-68
IDC VIII 21 14 43 42.1–2.2 5.90S 130.54E 0 3.9b,3.9 **¶11908542**
NEIC VIII 21 14 43 58.0–3.7 6.49S 129.86E 134–40 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=93.9km s-min=27.0km az=77.0.
NEIC Event type se. Error ellipse: s-maj=31.6km s-min=24.3km az=173.0.
IDC VIII 21 14 59 56.7–3.0 6.43S 129.16E 0 3.6b,3.6
¶12581263
IDC Error ellipse: s-maj=295.2km s-min=30.9km az=68.0.
IDC VIII 22 02 15 25.1–12 6.79S 127.20E 200–138 3.2s,3.2
¶12581280
IDC Error ellipse: s-maj=118.2km s-min=42.7km az=44.0.
IDC VIII 23 02 27 12.1–2.2 6.68S 128.80E 0 3.6L,3.6
¶12581305
IDC Error ellipse: s-maj=117.7km s-min=33.3km az=67.0.
ISC VIII 23 04 39 23.7–.73 7.3S–.10 129.8E–.30 35 4.0b 12 13-151
IDC VIII 23 04 39 18.7–.86 7.28S 129.62E 0 4.0,4.0b **¶11908625**
ISCJB VIII 23 04 39 21.6–.73 7.3S–.10 129.8E–.40 33 4.0b,4.0b
NEIC VIII 23 04 39 23.8–.57 7.31S 129.75E 35 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=88.7km s-min=20.1km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=51.7km s-min=11.9km az=165.3.
NEIC Event type se. Error ellipse: s-maj=43.6km s-min=10.4km az=75.0.
ISC VIII 23 04 47 18.6–.24 4.67S–.02 125.82E–.03 436–2 4.6b 231 2-158
BJI VIII 23 04 47 11.8 5.27S 126.15E 435 4.5b,4.4b **¶11184426**
ISCJB VIII 23 04 47 17.9–.24 4.68S–.02 125.81E–.03 443–2 4.6b,4.4b
MOS VIII 23 04 47 17.2–.94 4.56S 125.82E 429 4.6b,4.4b
NEIC VIII 23 04 47 18.5–.53 4.64S 125.79E 436–5 4.6b,4.4b
IDC VIII 23 04 47 18.6–.65 4.66S 125.78E 434–6 4.2,4.2
TEH VIII 23 04 47 18.0 4.66S 125.79E 432 4.2,4.2
DJA VIII 23 04 47 18 4.68S 125.84E 439 5.1b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.6km az=147.1.
MOS Error ellipse: s-maj=14.4km s-min=6.9km az=122.7.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=51.0.
IDC Error ellipse: s-maj=12.7km s-min=6.0km az=58.0.
ISC VIII 23 15 42 38.1–.48 6.31S–.04 130.56E–.06 105–6 4.1b 47 2-151
IDC VIII 23 15 42 25.2–.83 5.91S 131.04E 0 4.9L,4.2 **¶11908649**
NEIC VIII 23 15 42 32.0–2.4 5.95S 131.10E 59–24 4.3b,4.2
ISCJB VIII 23 15 42 37.0–.50 6.31S–.04 130.55E–.06 114–6 4.1b,4.2
DJA VIII 23 15 42 39 6.29S 130.59E 81 4.4,4.2
ISC Event type se.
IDC Error ellipse: s-maj=59.6km s-min=17.9km az=65.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=14.9km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.5km az=149.2.
IDC VIII 23 19 22 12.9–3.0 6.73S 129.13E 0 3.5b,3.4
¶12581324
IDC Error ellipse: s-maj=283.8km s-min=32.7km az=68.0.
ISC VIII 24 02 46 32.9–.52 7.55S–.04 128.29E–.04 153–6 4.6b 66 3-152
BJI VIII 24 02 46 27.6 7.50S 128.30E 123 4.9b,4.8b **¶11184447**
IDC VIII 24 02 46 28.4–3.4 7.38S 128.35E 110–30 4.5,4.4
NEIC VIII 24 02 46 29.7–1.5 7.46S 128.30E 124–13 4.7b,4.4
ISCJB VIII 24 02 46 33.0–.52 7.62S–.03 128.24E–.04 174–5 4.6b,4.4
DJA VIII 24 02 46 32 7.82S 128.39E 149 5.5,4.4
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=11.1km az=67.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.7km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.3km az=171.7.
ISC VIII 24 06 26 54.5–1.8 7.67S–.08 128.4E–.10 151–20 4.2b 20 6-151
IDC VIII 24 06 26 49.9–4.1 7.57S 128.39E 104–38 4.1,4.1 **¶11908678**
NEIC VIII 24 06 26 51.8–2.4 7.58S 128.42E 123–23 4.1b,4.1
ISCJB VIII 24 06 26 55.1–2.0 7.76S–.09 128.4E–.10 180–22 4.2b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 24 08 08 27.2–1.9 6.89S 128.70E 0 4.0b,3.8
¶12581339
IDC Error ellipse: s-maj=89.0km s-min=27.5km az=73.0.
IDC VIII 24 08 46 16.1–2.1 6.87S 129.27E 0 3.8b,3.7L
¶12581341
IDC Error ellipse: s-maj=106.1km s-min=32.3km az=67.0.
IDC VIII 24 10 22 12.6–2.2 6.77S 129.49E 0 3.9b,3.7
¶12581342
IDC Error ellipse: s-maj=147.2km s-min=32.2km az=68.0.
IDC VIII 24 20 30 20.7–2.5 7.38S 128.18E 0 3.5b,3.4
¶12581353
IDC Error ellipse: s-maj=288.5km s-min=32.6km az=65.0.
IDC VIII 24 20 59 29.8–10 6.99S 124.66E 493–144 3.1,3.0b
¶12581356
IDC Error ellipse: s-maj=337.0km s-min=39.8km az=63.0.
IDC VIII 24 22 06 31.8–1.6 7.88S 127.34E 0 3.8,3.7L
¶12581358
IDC Error ellipse: s-maj=105.9km s-min=31.6km az=64.0.
ISC VIII 25 11 29 41.9–.92 4.02S–.06 129.8E–.10 53–9 4.1b 26 1-153
DJA VIII 25 11 29 21 4.99S 130.77E 189 4.6 **¶11908750**
ISCJB VIII 25 11 29 39.8–1.0 3.97S–.06 129.7E–.10 47–10 4.1b
NEIC VIII 25 11 29 41.5–2.0 3.97S 129.69E 47–19 4.2b
IDC VIII 25 11 29 43.8–3.5 4.05S 129.73E 69–32 4.3L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=7.8km az=162.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=8.5km az=58.0.
IDC Error ellipse: s-maj=31.7km s-min=10.1km az=73.0.
ISC VIII 26 14 37 57.0–1.6 6.92S–.08 128.1E–.10 313–17 3.2b 14 7-71
ISCJB VIII 26 14 37 54.0–1.6 6.73S–.08 128.1E–.10 295–18 3.2b **¶11908861**
NEIC VIII 26 14 37 55.5–2.3 6.79S 128.00E 293–29 3.2b
IDC VIII 26 14 38 00.4–4.7 7.01S 127.88E 351–53 3.2,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=11.9km az=163.9.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=19.8km az=96.0.
IDC Error ellipse: s-maj=62.0km s-min=18.1km az=68.0.
IDC VIII 26 21 57 13.3–2.2 7.71S 127.54E 0 4.0L,3.8
¶12581446

IDC Error ellipse: s-maj=272.0km s-min=32.2km az=63.0.
IDC VIII 26 23 54 33.2–5.6 6.37S 130.71E 247–62 3.2b,3.2 ¶12581447

IDC Error ellipse: s-maj=95.5km s-min=21.4km az=74.0.
ISC VIII 27 16 07 27.3–1.9 5.7S–.10 128.2E–.20 394–21 3.4b 15 13-76
NEIC VIII 27 16 07 23.7–.46 5.52S 128.23E 350 3.6b **¶11908930**
IDC VIII 27 16 07 28.0–3.0 5.68S 128.21E 403–35 3.1b,3.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=7.5km az=68.0.
IDC Error ellipse: s-maj=44.6km s-min=11.3km az=64.0.
IDC VIII 27 16 57 41.9–1.4 6.69S 129.93E 0 4.0,3.9L ¶12581471

IDC Error ellipse: s-maj=71.9km s-min=20.0km az=70.0.
ISC VIII 28 01 16 36.3–.50 7.53S–.04 128.68E–.04 161–5 4.4b 66 3-151
NEIC VIII 28 01 16 32.9–2.1 7.33S 128.60E 121–18 4.4b **¶11222381**
IDC VIII 28 01 16 32.2–3.1 7.29S 128.63E 112–28 4.3,4.3
ISCJB VIII 28 01 16 35.4–.51 7.50S–.04 128.69E–.04 169–6 4.4b,4.3
DJA VIII 28 01 16 37 7.48S 128.78E 163 4.4b,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=8.4km az=67.0.
IDC Error ellipse: s-maj=26.2km s-min=12.3km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.9km az=34.6.
ISC VIII 28 14 58 02.0–.49 7.40S–.04 129.31E–.04 179–5 4.6b 104 3-155
BJI VIII 28 14 57 54.3 7.46S 129.38E 139 4.9b,4.8b **¶11222416**
NEIC VIII 28 14 57 56.4–1.5 7.10S 129.19E 110–15 4.5b,4.8b
IDC VIII 28 14 57 56.8–2.9 7.14S 129.25E 113–26 4.4,4.4
ISCJB VIII 28 14 58 01.9–.48 7.32S–.04 129.25E–.04 189–5 4.6b,4.4
DJA VIII 28 14 58 03 7.36S 129.26E 163 4.6b,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.6km az=57.0.
IDC Error ellipse: s-maj=19.6km s-min=11.2km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.9km az=135.6.
IDC VIII 28 16 08 08.7–14 7.65S 128.92E 131–163 4.0L,3.5 ¶12581508

IDC Error ellipse: s-maj=99.0km s-min=58.5km az=18.0.
ISC VIII 28 23 26 20.1–2.4 7.45S–.09 129.47E–.08 143–25 3.8b 36 11-151
NEIC VIII 28 23 26 13.9–1.8 7.01S 129.52E 70–18 4.1b **¶11909038**
IDC VIII 28 23 26 19.2–3.6 7.15S 129.22E 113–30 4.0,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.6km az=48.0.
IDC Error ellipse: s-maj=62.7km s-min=16.1km az=65.0.
IDC VIII 29 03 57 41.2–2.2 6.01S 130.51E 0 4.1L,4.1 ¶12581524

IDC Error ellipse: s-maj=91.2km s-min=28.2km az=77.0.
ISC VIII 29 04 20 51.5–2.5 7.6S–.10 128.7E–.10 84–26 4.0b 13 6-82
IDC VIII 29 04 20 40.7–1.4 7.14S 129.12E 0 4.4L,4.4 **¶11909047**
NEIC VIII 29 04 20 51.0–2.5 7.49S 128.73E 81–25 4.3b,4.4
ISCJB VIII 29 04 20 51.4–3.2 7.7S–.10 128.6E–.20 104–35 4.0b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 29 07 32 27.0–3.7 5.03S 128.99E 276–37 3.1b,3.1 ¶12581538

IDC Error ellipse: s-maj=70.6km s-min=12.4km az=71.0.
ISC VIII 30 06 03 05.7–.62 6.93S–.04 130.41E–.05 74–6 4.6b 114 2-151
BJI VIII 30 06 02 54.4 7.69S 131.11E 53 4.8b,4.7b **¶11232729**
MOS VIII 30 06 02 59.4–.97 6.77S 130.43E 33 4.7b,4.7b
IDC VIII 30 06 03 01.1–5.8 6.74S 130.53E 33–43 5.2L,4.6
NEIC VIII 30 06 03 03.7–1.5 6.82S 130.45E 54–16 4.6b,4.6
ISCJB VIII 30 06 03 04.5–.69 6.99S–.03 130.40E–.05 84–7 4.6b,4.6
DJA VIII 30 06 03 05 6.82S 130.33E 62 4.8,4.6
ISC Event type se.
MOS Error ellipse: s-maj=19.9km s-min=8.0km az=114.8.
IDC Error ellipse: s-maj=27.7km s-min=15.3km az=73.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.8km az=224.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.4km az=163.0.
ISC VIII 30 19 22 13.5–2.2 7.71S–.10 127.8E–.10 111–22 3.8b 29 8-155
ISCJB VIII 30 19 22 11.8–2.2 7.5S–.10 127.8E–.10 112–22 3.8b **¶11909131**
NEIC VIII 30 19 22 12.8–2.0 7.57S 127.86E 108–19 4.1b
IDC VIII 30 19 22 14.0–3.9 7.62S 127.64E 112–34 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.0km s-min=10.9km az=142.7.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=9.9km az=51.0.
IDC Error ellipse: s-maj=47.0km s-min=14.6km az=64.0.
ISC VIII 31 14 43 21.6–1.5 7.92S–.08 127.7E–.10 180–16 3.8b 30 7-72
IDC VIII 31 14 43 04.5–.93 7.06S 127.91E 0 4.2L,4.2 **¶11909169**
NEIC VIII 31 14 43 19.7–2.5 7.55S 127.82E 151–27 3.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=42.1km s-min=16.3km az=58.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=12.6km az=208.0.
ISC VIII 31 23 26 01.9–2.0 7.46S–.09 127.9E–.10 108–20 3.8b 35 7-152
ISCJB VIII 31 23 26 00.7–2.1 7.44S–.07 127.91E–.10 114–21 3.8b **¶11909189**
NEIC VIII 31 23 26 04.2–1.8 7.45S 127.93E 132–18 3.9b
IDC VIII 31 23 26 09.7–5.8 7.58S 127.75E 181–56 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=10.2km az=159.4.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=11.1km az=54.0.
IDC Error ellipse: s-maj=91.7km s-min=19.6km az=61.0.
ISC IX 01 05 00 49.2–3.8 7.7S–.20 128.2E–.20 126–45 3.8b 11 6-72
IDC IX 01 05 00 36.1–1.4 7.73S 127.35E 0 4.1L,4.1 **¶11909201**
ISCJB IX 01 05 00 47.7–4.1 7.7S–.20 128.2E–.20 129–47 3.7b,4.1
NEIC IX 01 05 00 50.0–3.0 7.77S 128.32E 138–36 3.7b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=205.1km s-min=28.5km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=32.1km s-min=18.2km az=41.3.
NEIC Event type se. Error ellipse: s-maj=32.2km s-min=25.5km az=78.0.
IDC IX 01 12 42 50.3–1.9 6.74S 128.43E 0 4.3L,4.2 ¶11909221

IDC Error ellipse: s-maj=108.8km s-min=30.1km az=66.0.
ISC IX 02 03 14 38.3–.38 6.54S–.03 130.14E–.03 169–3 4.9b 165 2-151
BJI IX 02 03 14 27.0 7.43S 130.53E 147 4.8b,4.8b **¶11377779**
NEIC IX 02 03 14 36.3–1.0 6.51S 130.05E 148–10 4.9b,4.8b
ISCJB IX 02 03 14 37.5–.39 6.52S–.03 130.14E–.03 178–3 4.9b,4.8b
IDC IX 02 03 14 37.6–1.6 6.52S 129.98E 161–14 4.4,4.3b
DJA IX 02 03 14 38 6.59S 130.14E 150 5.0b,4.3b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=5.3km az=50.0. Felt at Darwin, Australia.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.2km az=156.9.
IDC Error ellipse: s-maj=15.8km s-min=9.2km az=65.0.
IDC IX 02 14 45 41.9–2.4 5.67S 130.63E 0 3.7,3.6b ¶11909284

IDC Error ellipse: s-maj=96.7km s-min=29.2km az=77.0.
IDC IX 02 14 47 14.1–2.4 6.02S 130.01E 0 3.5,3.4L ¶11909285

IDC Error ellipse: s-maj=93.9km s-min=30.7km az=76.0.
ISC IX 02 19 39 41.7–1.6 6.9S–.10 129.9E–.20 156–16 4.0b 15 6-72
IDC IX 02 19 39 24.3–1.6 6.18S 130.50E 0 4.3,4.1L **¶11909305**
NEIC IX 02 19 39 40.6–3.0 6.81S 129.80E 144–31 4.0b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=69.4km s-min=21.1km az=68.0.
NEIC Event type se. Error ellipse: s-maj=40.3km s-min=18.8km az=57.0.
IDC IX 02 22 12 46.8–2.5 7.28S 128.44E 0 3.8L,3.8 ¶11909323

IDC Error ellipse: s-maj=287.7km s-min=31.2km az=66.0.
ISC IX 03 12 35 25.5–1.9 7.4S–.10 129.1E–.10 144–19 3.7b 20 6-68
IDC IX 03 12 35 23.3–10 7.24S 129.14E 131–97 4.1L,3.8 **¶11909371**
NEIC IX 03 12 35 25.2–2.6 7.25S 129.04E 144–26 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=102.1km s-min=24.0km az=53.0.
NEIC Event type se. Error ellipse: s-maj=36.8km s-min=19.3km az=60.0.
IDC IX 03 22 01 37.8–2.1 6.32S 129.93E 0 3.9b,3.9 ¶11909408

IDC Error ellipse: s-maj=95.3km s-min=27.0km az=77.0.
ISC IX 04 06 31 53.7–.89 7.13S–.08 126.0E–.10 486–14 3.6b 18 7-153
ISCJB IX 04 06 31 53.1–.00 7.07S–.08 126.0E–.10 492–17 3.6b **¶11909439**
IDC IX 04 06 31 53.5–1.9 7.09S 125.98E 482–24 3.2b,3.2
NEIC IX 04 06 31 54.0–.67 7.07S 126.00E 492–9 4.5b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=8.9km az=146.6.
IDC Error ellipse: s-maj=33.3km s-min=10.2km az=68.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=7.6km az=224.0.
IDC IX 04 13 51 39.0–2.2 6.84S 128.94E 0 4.1,3.9L ¶11909460

IDC Error ellipse: s-maj=79.9km s-min=29.7km az=75.0.
IDC IX 04 14 29 06.2–2.1 6.43S 129.04E 0 3.5s,3.5 ¶11909462

IDC Error ellipse: s-maj=82.8km s-min=28.5km az=75.0.
ISC IX 05 11 45 21.9–.37 6.63S–.03 129.92E–.03 173–3 5.0b 222 2-146
BJI IX 05 11 45 16.3 6.88S 130.25E 170 4.9b,4.7b **¶11232752**
ISCJB IX 05 11 45 20.9–.38 6.63S–.03 129.95E–.03 181–3 5.0b,4.7b
TEH IX 05 11 45 21.0 6.54S 129.95E 164 5.0b,4.7b
NEIC IX 05 11 45 21.6–.76 6.55S 129.95E 170–7 4.8b,4.7b
IDC IX 05 11 45 21.3–2.6 6.52S 129.97E 167–24 4.5,4.5
DJA IX 05 11 45 22 6.71S 129.98E 175 5.3W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.9km az=146.9.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.2km az=57.0.
IDC Error ellipse: s-maj=17.8km s-min=8.7km az=79.0.
ISC IX 05 11 53 14.5–.88 7.0S–.10 129.4E–.30 35 4.0b 12 12-82
IDC IX 05 11 53 09.2–1.6 6.90S 129.47E 0 4.7L,4.5 **¶11909523**
NEIC IX 05 11 53 14.3–.72 7.00S 129.36E 35 4.0b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=73.4km s-min=23.7km az=76.0.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=9.2km az=74.0.
IDC IX 05 20 32 31.6–2.1 6.53S 129.50E 0 3.6,3.4b ¶11909552

IDC Error ellipse: s-maj=80.6km s-min=28.4km az=76.0.
IDC IX 06 00 14 30.7–4.7 6.68S 128.91E 249–48 3.5,3.3 ¶11909568

IDC Error ellipse: s-maj=66.2km s-min=19.9km az=67.0.
IDC IX 06 13 08 11.4–2.6 5.60S 130.83E 0 4.0,3.9b ¶11909607

IDC Error ellipse: s-maj=114.1km s-min=29.1km az=78.0.
IDC IX 07 03 49 15.7–11 7.10S 129.56E 382–155 2.7b,2.6 ¶11909679

IDC Error ellipse: s-maj=77.3km s-min=60.7km az=11.0.
IDC IX 07 10 04 32.7–12 6.75S 129.55E 153–121 3.4b,3.4 ¶11909720

IDC Error ellipse: s-maj=257.3km s-min=38.1km az=62.0.
IDC IX 07 15 44 18.0–2.3 6.43S 130.36E 0 3.5b,3.4 ¶11909738

IDC Error ellipse: s-maj=88.9km s-min=29.4km az=78.0.
ISC IX 07 16 46 57.8–1.1 7.81S–.06 128.5E–.10 180–12 3.5b 27 5-72
IDC IX 07 16 46 50.7–15 7.34S 128.59E 104–171 3.7L,3.4 **¶11909739**
NEIC IX 07 16 46 55.6–2.8 7.55S 128.25E 149–34 4.3b,3.4
ISCJB IX 07 16 46 58.0–1.3 7.87S–.06 128.5E–.10 208–17 3.4b,3.4
DJA IX 07 16 46 57 7.57S 128.40E 110 4.3b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=150.6km s-min=43.5km az=37.0.
NEIC Event type se. Error ellipse: s-maj=31.1km s-min=24.9km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=10.0km az=6.8.
IDC IX 08 12 45 52.2–3.6 5.10S 131.98E 0 3.8b,3.7 ¶11909815

IDC Error ellipse: s-maj=73.2km s-min=30.6km az=90.0.
IDC IX 08 22 05 13.3–2.2 7.00S 128.52E 0 4.2s,4.2 ¶11909843

IDC Error ellipse: s-maj=105.4km s-min=27.8km az=74.0.
ISC IX 09 13 11 24.5–.60 6.45S–.04 130.10E–.05 153–6 4.7b 152 2-151
BJI IX 09 13 11 22.8 6.49S 130.09E 162 5.0b,4.6b **¶11255589**
IDC IX 09 13 11 23.2–2.8 6.30S 130.13E 138–25 4.2b,4.2
ISCJB IX 09 13 11 23.7–.62 6.46S–.03 130.10E–.05 164–6 4.7b,4.2
NEIC IX 09 13 11 24.4–.99 6.34S 130.14E 151–9 4.8b,4.2
DJA IX 09 13 11 25 6.53S 130.02E 137 5.2b,4.2
TEH IX 09 13 11 25.0 6.39S 130.14E 158 5.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=9.5km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.6km az=152.6.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.4km az=50.0.
ISC IX 09 17 07 05.8–.58 7.59S–.04 129.46E–.06 124–8 3.9b 48 3-82
IDC IX 09 17 06 59.9–4.5 7.22S 129.37E 54–44 4.5L,4.0 **¶11909888**
NEIC IX 09 17 07 03.1–1.7 7.40S 129.40E 88–18 4.1b,4.0
ISCJB IX 09 17 07 04.8–.65 7.55S–.04 129.44E–.06 133–9 3.9b,4.0
DJA IX 09 17 07 07 7.50S 129.46E 125 4.7b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=55.4km s-min=21.9km az=80.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=11.8km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.6km az=156.9.
ISC IX 10 05 44 10.1–2.0 6.4S–.10 130.1E–.10 140–23 4.0b 14 7-68
IDC IX 10 05 43 54.3–1.3 5.84S 130.62E 0 4.3,4.2b **¶11909937**
ISCJB IX 10 05 44 09.2–1.6 6.30S–.07 130.14E–.10 152–18 4.0b,4.2b
NEIC IX 10 05 44 09.3–2.0 6.25S 130.16E 131–22 4.0b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=77.4km s-min=20.1km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=10.8km az=157.8.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=11.2km az=223.0.
ISC IX 10 12 25 27.6–1.1 7.5S–.10 125.4E–.10 446–17 4.0b 17 6-66
ISCJB IX 10 12 25 26.0–1.1 7.4S–.10 125.4E–.10 444–16 4.0b **¶11909954**
NEIC IX 10 12 25 27.3–.84 7.41S 125.40E 447–13 4.2b
IDC IX 10 12 25 28.1–11 7.29S 125.65E 458–168 3.4,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=12.0km az=146.3.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=9.9km az=47.0.
IDC Error ellipse: s-maj=188.7km s-min=67.0km az=65.0.
IDC IX 10 18 45 19.0–10 6.63S 125.18E 542–84 2.9b,2.8 ¶11909982

IDC Error ellipse: s-maj=143.3km s-min=93.8km az=123.0.
IDC IX 10 20 57 20.7–2.1 6.80S 129.56E 0 3.6b,3.4 ¶11910000

IDC Error ellipse: s-maj=78.6km s-min=28.3km az=77.0.
ISC IX 11 09 49 06.7–2.8 7.3S–.20 129.4E–.20 127–31 3.6b 12 6-68
IDC IX 11 09 48 51.4–1.7 6.62S 130.09E 0 3.9,3.8L **¶11910041**
ISCJB IX 11 09 49 06.5–3.0 7.3S–.20 129.4E–.20 143–34 3.5b,3.8L
NEIC IX 11 09 49 07.0–2.8 7.27S 129.39E 133–30 3.5b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=67.8km s-min=21.6km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=22.0km az=33.6.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=20.4km az=220.0.
ISC IX 11 11 53 33.5–.64 6.11S–.05 128.7E–.10 319–9 3.6b 31 3-70
ISCJB IX 11 11 53 32.4–.64 6.04S–.05 128.9E–.10 326–9 3.6b **¶11910043**
NEIC IX 11 11 53 32.2–1.4 6.03S 128.68E 302–17 4.5b
DJA IX 11 11 53 33 6.04S 128.89E 313 4.9b
IDC IX 11 11 53 34.6–2.3 6.13S 128.69E 331–24 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=6.4km az=164.1.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=8.6km az=45.0.
IDC Error ellipse: s-maj=29.4km s-min=8.9km az=69.0.
ISC IX 11 18 35 11.9–.65 7.37S–.04 129.59E–.07 150–8 4.0b 51 3-94
IDC IX 11 18 35 09.6–2.9 7.18S 129.60E 122–27 4.0,3.8 **¶12922577**
NEIC IX 11 18 35 10.0–2.5 7.26S 129.52E 129–26 3.8b,3.8
ISCJB IX 11 18 35 11.5–.66 7.40S–.03 129.66E–.07 167–8 4.0b,3.8
DJA IX 11 18 35 12 7.29S 129.47E 163 4.8b,3.8
ISC Event type se.

IDC Error ellipse: s-maj=40.9km s-min=15.0km az=60.0.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=15.1km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=5.7km az=179.3.
IDC IX 12 11 21 47.3–2.1 6.65S 129.44E 0 3.9L,3.9
¶11910100

IDC Error ellipse: s-maj=124.9km s-min=20.0km az=71.0.
ISC IX 12 14 30 26.2–1.1 6.64S–.09 127.4E–.10 420–15 3.7b 28 8-71
ISCJB IX 12 14 30 24.8–1.1 6.61S–.09 127.4E–.10 422–14 3.7b **¶11910105**
NEIC IX 12 14 30 24.2–1.9 6.45S 127.59E 393–23 4.1b
IDC IX 12 14 30 26.8–2.5 6.60S 127.47E 429–32 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=7.9km az=149.1.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=9.5km az=56.0.
IDC Error ellipse: s-maj=41.5km s-min=9.8km az=72.0.
IDC IX 12 16 27 20.7–2.2 4.94S 128.55E 0 3.3b,3.3
¶11910110

IDC Error ellipse: s-maj=137.3km s-min=31.3km az=67.0.
IDC IX 12 19 55 39.4–2.7 6.40S 130.78E 0 3.7s,3.7
¶11910127

IDC Error ellipse: s-maj=171.6km s-min=32.6km az=71.0.
IDC IX 13 12 49 13.4–2.1 6.67S 128.90E 0 3.7,3.5L
¶11910182

IDC Error ellipse: s-maj=82.2km s-min=28.6km az=75.0.
ISC IX 13 15 41 43.2–1.3 7.64S–.08 128.6E–.10 189–15 4.1b 21 6-72
IDC IX 13 15 41 25.7–1.2 6.87S 128.48E 0 4.0b,4.0 **¶11910192**
NEIC IX 13 15 41 41.9–2.3 7.45S 128.49E 167–28 4.4b,4.0
ISCJB IX 13 15 41 43.2–2.0 7.7S–.10 128.57E–.09 210–22 4.0b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 13 20 55 03.4–2.2 4.20S 129.91E 0 3.4,3.3b
¶11910206

IDC Error ellipse: s-maj=106.0km s-min=27.3km az=74.0.
ISC IX 14 18 51 07.2–.20 7.57S–.03 128.28E–.03 141 5.0b 315 3-161
BJI IX 14 18 51 00.8 7.97S 128.68E 141 5.2b,5.2b **¶11277545**
ISCJB IX 14 18 51 05.3–.19 7.52S–.03 128.31E–.03 139 5.0b,5.2b
MOS IX 14 18 51 06.6–1.3 7.32S 128.13E 141 5.1b,5.2b
IDC IX 14 18 51 07.3–.43 7.41S 128.26E 135–3 4.7,4.7
NEIC IX 14 18 51 07.3–.13 7.41S 128.26E 138 5.1b,4.7
DJA IX 14 18 51 09 7.69S 128.19E 164 5.1b,4.7
GCMT IX 14 18 51 09.9–.20 7.57S 128.17E 144–1 5.2W,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.4km az=160.4.
MOS Error ellipse: s-maj=12.2km s-min=6.3km az=109.2.
IDC Error ellipse: s-maj=14.5km s-min=7.7km az=70.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.6km az=55.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s67,c93; s99,c186; Moment tensor: Scale 10^{16}Nm; M_{rr}6.13±.12 $M_{\theta\theta}$-5.66±.15; $M_{\phi\phi}$-0.48±.15; $M_{r\theta}$4.34±.11; $M_{\theta\phi}$2.62±.14; $M_{\phi r}$0.26±.12; Best double couple: NP1: ϕ_s308.00000°,δ31.00000°,λ116.00000°. NP2:ϕ_s98.00000°,δ62.00000°,λ75.00000°. Principal axes: T 7.7000,Plg69.0000°,Azm338.0000°; N 0.1700,Plg13.0000°,Azm105.0000° ; P -7.8800,Plg16.0000°,Azm199.0000° $M_0$7.80000×10^{16}
IDC IX 14 19 46 19.4–14 6.84S 129.42E 140–152 3.4L,3.1
¶11910284

IDC Error ellipse: s-maj=98.6km s-min=58.4km az=33.0.
IDC IX 14 19 58 18.4–2.1 5.99S 130.21E 0 4.0L,4.0
¶11910286

IDC Error ellipse: s-maj=78.4km s-min=24.9km az=73.0.
ISC IX 15 01 31 39.6–.57 7.17S–.04 129.93E–.08 148–6 4.1b 54 3-151
IDC IX 15 01 31 34.1–3.1 7.00S 129.92E 89–30 4.1,4.1 **¶11910301**
NEIC IX 15 01 31 37.3–1.6 7.05S 129.87E 121–16 4.3b,4.1
ISCJB IX 15 01 31 38.8–.59 7.17S–.04 129.98E–.07 158–7 4.1b,4.1
DJA IX 15 01 31 41 7.10S 129.87E 129 4.9b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=13.2km az=74.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=10.8km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.3km az=161.5.
ISC IX 15 22 26 12.4–2.6 6.9S–.10 129.4E–.10 67–29 3.8b 32 12-90
IDC IX 15 22 26 05.0–.93 6.68S 129.28E 0 4.4L,4.3 **¶11910368**
NEIC IX 15 22 26 10.4–2.0 6.82S 129.27E 41–21 3.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=53.5km s-min=16.6km az=64.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.4km az=204.0.
ISC IX 15 22 32 51.6–1.8 7.50S–.09 129.28E–.10 157–20 3.4b 22 6-94
IDC IX 15 22 32 35.7–1.3 6.77S 129.41E 0 4.1L,4.0 **¶11910370**
NEIC IX 15 22 32 47.2–2.9 7.20S 129.18E 109–32 3.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=60.5km s-min=25.2km az=79.0.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=15.3km az=206.0.
DJA IX 16 06 24 51 6.57S 130.53E 80 4.1b
¶12922614
IDC IX 18 06 32 11.2–2.0 7.06S 127.81E 0 3.9L,3.8
¶11910536

IDC Error ellipse: s-maj=102.3km s-min=26.9km az=73.0.
IDC IX 18 08 48 40.4–2.5 7.42S 128.18E 0 3.9b,3.7L
¶11910540

IDC Error ellipse: s-maj=284.8km s-min=32.2km az=65.0.
IDC IX 18 12 31 31.2–2.1 5.59S 130.91E 0 3.9b,3.6
¶11910552

IDC Error ellipse: s-maj=95.9km s-min=31.1km az=71.0.
IDC IX 19 01 45 19.5–2.3 5.41S 129.60E 0 4.1b,3.8
¶11910598

IDC Error ellipse: s-maj=91.2km s-min=25.9km az=71.0.
ISC IX 20 13 13 05.2–.54 5.38S–.07 129.75E–.09 230–6 3.6b 24 1-85
IDC IX 20 13 13 02.3–9.2 5.24S 129.72E 194–98 3.9,3.7 **¶11910704**
ISCJB IX 20 13 13 04.1–.53 5.32S–.06 129.83E–.09 235–6 3.6b,3.7
NEIC IX 20 13 13 05.2–2.2 5.38S 129.69E 230–24 4.2b,3.7
DJA IX 20 13 13 10 4.76S 130.02E 193 3.7,3.7
ISC Event type se.
IDC Error ellipse: s-maj=46.4km s-min=22.1km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=6.5km az=149.7.
NEIC Event type se. Error ellipse: s-maj=41.0km s-min=14.0km az=68.0.
IDC IX 20 19 00 26.7–4.8 6.94S 127.53E 361–83 3.3b,3.3
¶11910721

IDC Error ellipse: s-maj=103.6km s-min=49.1km az=86.0.
ISC IX 20 19 27 24.1–.28 7.24S–.03 126.19E–.03 455–3 4.6b 253 4-153
BJI IX 20 19 27 20.6 7.38S 126.42E 454 4.6b,4.5b **¶11282343**
NEIC IX 20 19 27 21.8–.17 7.07S 126.25E 425 4.7b,4.5b
MOS IX 20 19 27 21.0–.85 7.04S 126.23E 429 4.8b,4.5b
ISCJB IX 20 19 27 23.2–.30 7.20S–.03 126.20E–.03 460–3 4.6b,4.5b
TEH IX 20 19 27 23.0 7.08S 126.26E 445 4.6b,4.5b
DJA IX 20 19 27 23 7.29S 126.19E 458 5.3W,4.5b
IDC IX 20 19 27 24.3–1.1 7.17S 126.22E 451–12 4.3,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.1km az=62.0.
MOS Error ellipse: s-maj=14.1km s-min=7.4km az=116.6.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.2km az=154.4.
IDC Error ellipse: s-maj=13.7km s-min=7.1km az=66.0.
ISC IX 21 15 37 14.7–1.0 6.7S–.10 129.4E–.30 35 3.8b 9 7-71
IDC IX 21 15 37 08.1–1.9 6.52S 129.89E 0 4.1s,4.1 **¶11910768**
NEIC IX 21 15 37 12.7–.85 6.53S 129.08E 10 4.1s,4.1
ISC Event type se.
IDC Error ellipse: s-maj=87.6km s-min=25.7km az=78.0.
NEIC Event type se. Error ellipse: s-maj=37.2km s-min=13.1km az=75.0.
IDC IX 21 18 06 38.3–2.3 6.61S 129.64E 0 3.5b,3.4
¶11910780

IDC Error ellipse: s-maj=141.7km s-min=32.0km az=69.0.
IDC IX 22 14 36 56.6–16 6.00S 129.93E 93–168 3.5L,3.2
¶11910831

IDC Error ellipse: s-maj=126.3km s-min=59.9km az=44.0.
ISC IX 22 14 55 59.2–1.5 6.14S–.06 128.4E–.20 363–18 3.6b 18 8-71
ISCJB IX 22 14 55 56.2–1.5 6.09S–.09 128.2E–.20 340–18 3.6b **¶11910832**
NEIC IX 22 14 55 58.5–2.1 6.12S 128.21E 349–29 4.0b
IDC IX 22 14 56 01.4–3.4 6.20S 128.31E 388–40 3.3,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.5km s-min=10.3km az=161.5.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=16.1km az=99.0.
IDC Error ellipse: s-maj=52.5km s-min=11.3km az=75.0.
IDC IX 22 15 04 46.2–13 6.43S 130.03E 106–149 3.4b,3.2L
¶11910833

IDC Error ellipse: s-maj=85.0km s-min=60.3km az=25.0.
IDC IX 22 15 39 41.7–31 7.03S 128.85E 116–168 3.9b,3.8L
¶11910835

IDC Error ellipse: s-maj=299.9km s-min=106.3km az=3.0.
IDC IX 22 16 08 10.3–2.2 5.43S 131.18E 0 4.2b,3.6
¶11910838

IDC Error ellipse: s-maj=98.8km s-min=27.3km az=80.0.
IDC IX 22 16 51 09.2–7.2 7.92S 128.87E 179–78 3.3b,3.2
¶11910841

IDC Error ellipse: s-maj=59.4km s-min=35.0km az=49.0.
ISC IX 22 23 21 25.0–1.3 4.37S–.05 131.02E–.09 39–14 4.2b 29 8-152
IDC IX 22 23 21 20.1–1.1 4.28S 131.06E 0 3.9b,3.9 **¶11910864**
ISCJB IX 22 23 21 23.2–1.7 4.40S–.05 131.02E–.09 42–17 4.2b,3.9
NEIC IX 22 23 21 24.8–.33 4.32S 131.05E 35 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=66.8km s-min=21.8km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=7.5km az=172.3.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.8km az=73.0.
IDC IX 25 02 18 11.8–2.3 6.46S 129.61E 0 4.0L,4.0
¶11910981

IDC Error ellipse: s-maj=145.7km s-min=31.5km az=69.0.
IDC IX 25 15 25 14.5–2.4 5.84S 130.86E 0 3.9b,3.7
¶11911016

IDC Error ellipse: s-maj=96.8km s-min=29.2km az=78.0.
ISC IX 26 08 34 55.9–.43 6.09S–.04 128.61E–.06 331–6 3.8b 45 2-152
ISCJB IX 26 08 34 55.0–.43 6.08S–.05 128.58E–.06 338–6 3.8b **¶11911076**
NEIC IX 26 08 34 56.1–1.0 6.08S 128.52E 335–12 4.4b
DJA IX 26 08 34 56 6.09S 128.60E 315 4.7b
IDC IX 26 08 34 58.1–3.0 6.11S 128.45E 356–30 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=5.9km az=151.8.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=7.6km az=52.0.
IDC Error ellipse: s-maj=41.6km s-min=9.6km az=67.0.
ISC IX 26 23 10 04.7–.21 5.63S–.03 130.88E–.03 111 5.4b 288 1-163
BJI IX 26 23 10 01.5 5.84S 131.07E 118 5.5b,5.3b **¶11310469**
GCMT IX 26 23 10 02.3–.30 5.58S 130.60E 81–2 5.1W,5.3b
ISCJB IX 26 23 10 02.8–.20 5.62S–.03 130.88E–.03 109 5.4b,5.3b
MOS IX 26 23 10 03.1–1.0 5.50S 130.81E 99 5.5b,5.3b
IDC IX 26 23 10 04.3–.53 5.66S 130.85E 104–4 5.0,5.0b
NEIC IX 26 23 10 04.7–.11 5.69S 130.72E 110 5.4b,5.0b
DJA IX 26 23 10 05 5.34S 130.97E 110 5.5b,5.0b
ISC Event type se.
GCMT Event type se. Data Used: IU II IC CN G. Moment Tensor Solution. s34,c45; s75,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}1.30±.16 $M_{\theta\theta}$-3.41±.14; $M_{\phi\phi}$2.11±.17; $M_{r\theta}$1.11±.11; $M_{\theta\phi}$3.65±.15; $M_{\phi r}$1.38±.12; Best double couple: NP1:ϕ_s338.00000°,δ69.00000°,λ163.00000°. NP2:ϕ_s75.00000°,δ74.00000°,λ22.00000°. Principal axes: T 4.7900,Plg26.0000° ,Azm298.0000°; N 0.4600,Plg63.0000°,Azm109.0000°; P -5.2500,Plg3.0000°,Azm206.0000° $M_0$5.00000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.7km az=26.2.
MOS Error ellipse: s-maj=12.9km s-min=6.3km az=116.6.
IDC Error ellipse: s-maj=18.0km s-min=9.3km az=79.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.6km az=53.0.
IDC IX 26 23 29 28.4–2.2 7.51S 127.18E 0 3.8,3.6
¶11911130

IDC Error ellipse: s-maj=216.7km s-min=33.0km az=63.0.
IDC IX 27 01 03 16.6–2.2 6.93S 129.21E 0 3.8,3.7L
¶11911134

IDC Error ellipse: s-maj=93.9km s-min=28.1km az=76.0.
IDC IX 27 22 00 14.2–10 4.86S 128.02E 219–116 3.1,2.9
¶11911234

IDC Error ellipse: s-maj=107.8km s-min=29.8km az=64.0.
IDC IX 27 23 53 36.8–2.0 5.75S 130.41E 0 3.5,3.4
¶11911239

IDC Error ellipse: s-maj=76.3km s-min=28.2km az=77.0.
ISC IX 28 13 42 59.3–.36 6.43S–.03 130.26E–.02 164–3 5.2b 315 2-162
BJI IX 28 13 42 52.1 6.77S 130.57E 148 5.3b,5.3b **¶11313818**
MOS IX 28 13 42 57.7–.89 6.10S 130.22E 150 5.2b,5.3b
ISCJB IX 28 13 42 58.2–.37 6.43S–.03 130.26E–.02 170–3 5.2b,5.3b
NEIC IX 28 13 42 58.0–.65 6.33S 130.17E 149–6 5.2b,5.3b
IDC IX 28 13 42 58.6–2.3 6.34S 130.20E 151–20 4.8,4.8b
GCMT IX 28 13 42 59.1–.30 6.29S 130.24E 162–3 5.1W,4.8b
DJA IX 28 13 43 00 6.41S 130.21E 161 5.5W,4.8b
ISC Event type se.
MOS Error ellipse: s-maj=12.6km s-min=6.6km az=118.3.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.7km az=0.3.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=56.0.
IDC Error ellipse: s-maj=15.0km s-min=9.2km az=72.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s22,c23; s70,c102; Moment tensor: Scale 10^{16}Nm; M_{rr}2.72±.17 $M_{\theta\theta}$1.78±.21; $M_{\phi\phi}$-4.51±.24; $M_{r\theta}$1.35±.13; $M_{\theta\phi}$3.25±.19; $M_{\phi r}$2.71±.17; Best double couple: NP1:ϕ_s119.00000°,δ49.00000°,λ26.00000°. NP2:ϕ_s12.00000°,δ71.00000°,λ136.00000°. Principal axes: T 5.4100,Plg44.0000° ,Azm327.0000°; N 0.9200,Plg43.0000°,Azm173.0000°; P -6.3400,Plg13.0000°,Azm70.0000° $M_0$5.90000×10^{16}
ISC IX 28 18 03 43.4–3.5 6.0S–.20 130.5E–.20 45–36 4.7b 20 7-151
ISCJB IX 28 18 03 41.8–4.7 6.1S–.20 130.4E–.20 49–47 4.7b **¶11366316**
IDC IX 28 18 03 43.6–4.2 6.06S 130.49E 45–38 4.5L,4.2
NEIC IX 28 18 03 49.0–1.8 6.10S 130.29E 94–17 5.2b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=38.6km s-min=19.3km az=139.9.
IDC Error ellipse: s-maj=49.2km s-min=19.3km az=69.0.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=10.5km az=58.0.
ISC IX 29 04 34 08.8–1.1 7.99S–.07 129.5E–.10 35 3.7b 19 6-69
IDC IX 29 04 34 03.6–1.6 7.76S 129.30E 0 4.4L,4.3 **¶11911318**
NEIC IX 29 04 34 08.2–1.0 7.83S 129.46E 35 3.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=66.8km s-min=23.8km az=70.0.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=13.0km az=71.0.
IDC IX 29 14 38 54.8–13 5.95S 129.77E 355–107 3.2b,3.2
¶11911344

IDC Error ellipse: s-maj=143.3km s-min=57.5km az=147.0.
IDC IX 29 16 31 20.0–4.8 6.90S 128.56E 275–51 3.0,2.9b
¶11911363

IDC Error ellipse: s-maj=57.5km s-min=20.3km az=66.0.
ISC IX 29 16 56 08.2–.34 4.63S–.04 125.53E–.05 448–4 4.4b 87 2-155
BJI IX 29 16 56 04.6 4.84S 125.71E 455 5.1b,4.4b **¶11911364**
ISCJB IX 29 16 56 07.4–.33 4.60S–.04 125.50E–.04 454–3 4.4b,4.4b
IDC IX 29 16 56 07.7–1.2 4.62S 125.52E 440–12 3.8b,3.8
NEIC IX 29 16 56 08.9–.67 4.64S 125.49E 459–9 4.6b,3.8
DJA IX 29 16 56 10 4.82S 125.51E 400 4.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.3km az=150.6.
IDC Error ellipse: s-maj=18.6km s-min=8.2km az=73.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.7km az=53.0.
ISC IX 29 17 18 18.9–2.1 7.0S–.10 129.6E–.10 86–22 4.0b 25 6-151
IDC IX 29 17 18 16.1–3.4 6.95S 129.69E 59–31 4.5L,4.0 **¶11911368**
NEIC IX 29 17 18 20.2–1.7 6.96S 129.70E 99–17 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=13.6km az=66.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.1km az=64.0.
ISC IX 30 03 11 08.0–.59 7.30S–.04 129.58E–.07 130–7 4.7b 59 3-151
IDC IX 30 03 11 05.0–4.2 7.11S 129.38E 85–40 4.0,3.9b **¶11366327**
NEIC IX 30 03 11 05.7–1.5 7.13S 129.36E 93–16 4.2b,3.9b

DJA IX 30 03 11 06 7.36S 129.60E 10 4.9b,3.9b
ISCJB IX 30 03 11 07.0–.63 7.27S–.04 129.56E–.07 137–8 4.7b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 30 03 55 57.9–2.5 5.94S 130.01E 0 3.6b,3.5
¶11911433

IDC Error ellipse: s-maj=104.0km s-min=30.7km az=77.0.
ISC IX 30 13 25 45.4–.48 6.61S–.03 130.10E–.05 164–5 4.2b 87 2-93
IDC IX 30 13 25 41.1–4.4 6.47S 129.99E 116–43 4.1,4.0 **¶11911455**
ISCJB IX 30 13 25 44.9–.51 6.61S–.03 130.07E–.05 176–5 4.2b,4.0
NEIC IX 30 13 25 45.1–1.2 6.50S 129.98E 155–12 4.5b,4.0
DJA IX 30 13 25 46 6.60S 130.30E 163 4.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=14.8km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.2km az=170.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.6km az=51.0.
IDC IX 30 17 23 38.7–2.2 5.91S 130.71E 0 3.5b,3.5
¶11911471

IDC Error ellipse: s-maj=79.9km s-min=25.6km az=74.0.
IDC IX 30 18 19 33.1–14 6.54S 129.99E 120–157 3.2b,3.1
¶11911476

IDC Error ellipse: s-maj=97.2km s-min=59.1km az=29.0.
IDC X 01 04 15 37.8–8.8 7.97S 129.20E 164–73 3.6b,3.6
¶11911526

IDC Error ellipse: s-maj=68.5km s-min=54.6km az=18.0.
IDC X 01 19 24 58.2–4.1 6.49S 128.18E 371–83 3.4,3.3b
¶11911575

IDC Error ellipse: s-maj=89.3km s-min=40.5km az=99.0.
IDC X 02 04 12 27.6–2.0 6.85S 130.35E 0 3.9b,3.9
¶11911682

IDC Error ellipse: s-maj=126.1km s-min=28.8km az=67.0.
ISC X 03 07 15 14.0–.56 5.87S–.04 130.69E–.06 81–6 4.4b 61 2-151
IDC X 03 07 15 04.2–.82 5.58S 130.85E 0 4.4b,4.4 **¶11366347**
NEIC X 03 07 15 09.7–.45 5.65S 130.72E 35 4.8b,4.4
ISCJB X 03 07 15 12.9–.60 5.91S–.04 130.67E–.06 90–7 4.4b,4.4
DJA X 03 07 15 13 5.65S 130.79E 109 4.4,4.4
ISC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=16.0km az=71.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=6.9km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.5km az=162.2.
IDC X 03 20 37 33.1–2.1 4.43S 126.71E 0 3.3,3.2b
¶12065814

IDC Error ellipse: s-maj=181.3km s-min=30.0km az=64.0.
IDC X 03 23 37 41.5–9.2 5.92S 129.19E 464–134 2.6,2.5
¶12065844

IDC Error ellipse: s-maj=84.2km s-min=60.8km az=55.0.
ISC X 04 05 43 18.4–.47 6.26S–.04 130.90E–.05 124–6 4.1b 47 2-71
IDC X 04 05 43 05.8–1.7 5.79S 130.91E 0 4.5L,4.3 **¶12065881**
NEIC X 04 05 43 11.8–.55 5.97S 130.53E 35 4.4b,4.3
ISCJB X 04 05 43 17.6–.46 6.21S–.03 130.90E–.05 134–6 3.9b,4.3
DJA X 04 05 43 19 6.10S 130.94E 129 4.7,4.3
ISC Event type se.
IDC Error ellipse: s-maj=78.8km s-min=23.8km az=78.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=7.4km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.4km az=160.7.
IDC X 04 22 01 30.3–2.2 6.70S 129.43E 0 3.6,3.5L
¶12065939

IDC Error ellipse: s-maj=81.0km s-min=29.1km az=76.0.
ISC X 05 16 36 14.7–.63 5.99S–.06 130.73E–.09 130–10 3.8b 33 2-151
IDC X 05 16 36 11.7–8.2 5.84S 130.77E 96–76 4.6L,3.9 **¶12066027**
ISCJB X 05 16 36 13.6–.65 5.98S–.06 130.74E–.10 135–10 3.8b,3.9
NEIC X 05 16 36 13.3–2.5 5.91S 130.62E 109–23 4.0b,3.9
DJA X 05 16 36 21 5.36S 130.97E 114 4.8,3.9
ISC Event type se.
IDC Error ellipse: s-maj=70.4km s-min=21.0km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=10.1km az=165.9.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=14.5km az=202.0.
ISC X 06 01 34 13.3–.63 4.02S–.05 131.64E–.04 53–7 4.3b 68 2-122
IDC X 06 01 34 06.4–.66 3.89S 131.61E 0 5.0L,4.4 **¶11331045**
ISCJB X 06 01 34 11.7–.76 4.13S–.04 131.71E–.04 64–8 4.3b,4.4
NEIC X 06 01 34 11.8–.42 3.96S 131.53E 35 4.4b,4.4
DJA X 06 01 34 11.5–1.9 4S–3.0 132E–2.0 19–21 5.5b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC X 07 14 18 23.9–.34 5.59S–.03 128.68E–.03 338–4 4.5b 189 2-153
BJI X 07 14 18 21.8 5.55S 128.90E 340 4.5b,4.3b **¶11331896**
ISCJB X 07 14 18 22.9–.34 5.59S–.03 128.69E–.03 345–4 4.5b,4.3b
NEIC X 07 14 18 23.9–.95 5.55S 128.65E 337–10 4.5b,4.3b
IDC X 07 14 18 23.6–1.1 5.56S 128.65E 331–10 4.4,4.4
DJA X 07 14 18 24.1–.20 6S–3.0 129E–2.0 339–4 5.5b,5.2
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
IDC X 08 02 04 35.2–7.2 7.37S 128.03E 0 4.0,3.8b
¶12066308

IDC Error ellipse: s-maj=175.6km s-min=93.4km az=69.0.
IDC X 08 15 34 24.4–2.1 6.62S 129.40E 0 3.6,3.5b
¶12066342

IDC Error ellipse: s-maj=117.1km s-min=31.0km az=68.0.
IDC X 08 22 33 28.8–2.3 6.60S 129.97E 0 3.8b,3.6
¶12066379

IDC Error ellipse: s-maj=141.5km s-min=31.7km az=69.0.
IDC X 09 02 48 23.5–1.7 6.58S 130.26E 0 4.5L,4.3
¶12066394

IDC Error ellipse: s-maj=74.3km s-min=24.5km az=72.0.
ISC X 09 22 47 40.6–.39 7.94S–.04 123.36E–.05 252–4 3.5b 59 1-93
ISCJB X 09 22 47 39.9–.39 7.90S–.04 123.35E–.06 261–4 3.5b **¶12066467**
NEIC X 09 22 47 40.9–.64 8.00S 123.27E 255–7 4.2b
DJA X 09 22 47 40 7.73S 123.32E 267 3.6
IDC X 09 22 47 41.6–2.5 8.02S 123.22E 259–31 3.4,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.4km az=149.1.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.8km az=50.0.
IDC Error ellipse: s-maj=87.5km s-min=12.9km az=59.0.
ISC X 10 04 27 33.0–.47 6.11S–.05 128.69E–.09 310–9 3.7b 31 2-71
NEIC X 10 04 27 16.2–2.3 5.54S 128.49E 118–25 4.1b **¶12066484**
IDC X 10 04 27 21.1–11 5.60S 128.71E 167–114 4.1,3.9
ISCJB X 10 04 27 32.1–.47 6.08S–.05 128.75E–.09 321–9 3.6b,3.9
DJA X 10 04 27 33 6.03S 128.75E 302 4.2,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=15.1km az=50.0.
IDC Error ellipse: s-maj=112.0km s-min=32.2km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=7.7km az=167.7.
ISC X 10 10 38 07.9–.41 6.71S–.04 130.96E–.06 35 4.2b 53 2-150
IDC X 10 10 38 02.0–.98 6.41S 131.11E 0 4.7L,4.6 **¶12066496**
ISCJB X 10 10 38 05.2–.42 6.76S–.03 130.93E–.06 33 4.2b,4.6
NEIC X 10 10 38 06.9–.44 6.51S 131.08E 35 4.3b,4.6
DJA X 10 10 38 11 6.55S 131.15E 74 4.8b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=46.5km s-min=21.2km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.0km az=3.7.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=6.2km az=77.0.
IDC X 10 19 00 38.5–5.3 7.42S 127.16E 268–64 3.1b,3.1
¶12066524

IDC Error ellipse: s-maj=80.8km s-min=44.9km az=89.0.
IDC X 12 00 45 45.1–1.4 4.99S 126.85E 0 3.8,3.7b
¶12068429

IDC Error ellipse: s-maj=123.7km s-min=25.1km az=67.0.
IDC X 12 03 04 37.2–2.1 7.13S 129.20E 0 4.0b,3.9
¶12068439

IDC Error ellipse: s-maj=168.8km s-min=30.7km az=67.0.
ISC X 12 09 13 47.0–.45 7.25S–.07 124.77E–.09 508–7 3.8b 42 3-124
ISCJB X 12 09 13 46.3–.46 7.19S–.07 124.72E–.09 515–7 3.8b **¶12068453**
NEIC X 12 09 13 46.7–.80 7.22S 124.81E 509–11 4.9b
IDC X 12 09 13 47.5–1.7 7.20S 124.79E 516–21 3.5,3.3b
DJA X 12 09 13 49 7.47S 125.12E 437 4.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=8.4km az=152.3.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=8.9km az=54.0.
IDC Error ellipse: s-maj=39.9km s-min=10.3km az=62.0.
IDC X 13 03 14 58.4–2.3 6.85S 129.21E 0 3.6b,3.5
¶12068519

IDC Error ellipse: s-maj=155.1km s-min=32.4km az=68.0.
DJA X 14 06 11 51 5.60S 130.98E 91 4.2
¶12922809
IDC X 14 06 17 15.6–4.8 7.13S 124.25E 296–85 3.6,3.5b
¶12068601

IDC Error ellipse: s-maj=129.8km s-min=60.6km az=62.0.
IDC X 14 13 48 57.4–5.7 7.03S 127.56E 353–66 3.5,3.3
¶12068615

IDC Error ellipse: s-maj=99.9km s-min=19.1km az=66.0.
ISC X 14 19 10 02.0–.66 7.22S–.08 129.4E–.20 35 3.8b 18 14-72
IDC X 14 19 09 57.1–.96 7.17S 129.20E 0 3.9,3.8L **¶12068627**
ISCJB X 14 19 09 59.6–.67 7.19S–.08 129.5E–.20 33 3.8b,3.8L
NEIC X 14 19 09 59.9–.65 7.19S 129.42E 20 3.8b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=64.9km s-min=19.7km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=27.3km s-min=10.5km az=166.9.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=10.1km az=75.0.
ISC X 15 01 08 12.2–.68 7.79S–.05 127.50E–.09 193–8 4.0b 47 4-152
NEIC X 15 01 08 10.9–1.4 7.54S 127.45E 173–13 4.3b **¶12068652**
ISCJB X 15 01 08 11.5–.71 7.80S–.04 127.56E–.09 207–9 4.0b
IDC X 15 01 08 11.9–6.0 7.49S 127.54E 181–55 3.8,3.7
DJA X 15 01 08 13 7.81S 127.71E 197 4.8,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.0km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=5.6km az=160.8.
IDC Error ellipse: s-maj=76.7km s-min=15.7km az=61.0.
ISC X 15 05 46 43.4–.70 5.74S–.08 129.2E–.10 262–12 3.2b 12 3-67
ISCJB X 15 05 46 43.0–.69 5.67S–.07 129.1E–.10 264–11 3.2b **¶12068661**
DJA X 15 05 46 43 5.68S 129.18E 272 4.6
IDC X 15 05 46 48.1–4.8 5.88S 128.84E 306–52 3.8,3.5
ISCJB Error ellipse: s-maj=24.8km s-min=9.0km az=160.5.
IDC Error ellipse: s-maj=99.4km s-min=12.8km az=73.0.
IDC X 15 11 29 19.7–2.1 4.85S 128.77E 0 3.9,3.7b
¶12068678

IDC Error ellipse: s-maj=160.3km s-min=28.7km az=68.0.
ISC X 15 16 35 53.6–.41 6.59S–.03 129.56E–.03 188–3 4.8b 193 2-149
BJI X 15 16 35 45.0 7.24S 129.63E 172 4.7b,4.6b **¶11349231**
IDC X 15 16 35 52.0–.67 6.53S 129.41E 170–6 4.4,4.4
ISCJB X 15 16 35 52.7–.41 6.57S–.03 129.59E–.03 197–3 4.7b,4.4
DJA X 15 16 35 53.8–.30 7S–3.0 130E–2.0 175–4 5.5b,5.3
NEIC X 15 16 35 53.2–1.1 6.51S 129.44E 186–10 4.6b,5.3
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=7.6km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=140.9.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.5km az=56.0.
ISC X 16 05 22 33.3–.36 4.88S–.04 129.81E–.04 159–4 4.4b 74 0-152
NEIC X 16 05 22 32.0–1.6 4.90S 129.71E 144–16 4.6b **¶12068736**
ISCJB X 16 05 22 32.2–.37 4.84S–.05 129.82E–.04 165–4 4.4b
IDC X 16 05 22 33.7–2.5 4.95S 129.73E 158–22 3.9,3.8
DJA X 16 05 22 34 4.66S 129.86E 143 4.7b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=8.1km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.7km az=43.7.
IDC Error ellipse: s-maj=24.3km s-min=9.9km az=74.0.
ISC X 17 11 26 51.6–.69 6.73S–.05 130.46E–.08 105–8 4.1b 45 2-78
IDC X 17 11 26 39.2–1.1 6.36S 130.67E 0 4.4,4.3b **¶12068883**
NEIC X 17 11 26 45.4–2.3 6.46S 130.65E 45–25 4.1b,4.3b
ISCJB X 17 11 26 50.7–.68 6.73S–.05 130.47E–.08 115–8 4.1b,4.3b
DJA X 17 11 26 58 5.95S 130.84E 146 4.3,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=95.5km s-min=18.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=15.8km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=6.4km az=157.1.
ISC X 18 16 53 06.3–4.4 7.65S–.06 128.98E–.09 9–28 4.2b,3.0s 65 10-151
ISCJB X 18 16 53 04.2–4.2 7.64S–.06 129.02E–.08 8–27 4.2b,3.0s **¶12068986**
IDC X 18 16 53 05.5–.64 7.63S 128.91E 0 4.3,4.2b
NEIC X 18 16 53 07.8–4.1 7.69S 128.92E 20–26 4.3b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=8.1km az=150.7.
IDC Error ellipse: s-maj=29.5km s-min=15.3km az=74.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.3km az=57.0.
ISC X 20 18 51 58.6–3.5 7.3S–.20 129.0E–.20 82–39 3.8b 26 14-128
NEIC X 20 18 51 59.4–2.6 7.35S 128.99E 94–27 3.9b **¶12069150**
IDC X 20 18 52 00.4–6.2 7.40S 128.80E 99–63 4.4L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=12.1km az=46.0.
IDC Error ellipse: s-maj=62.4km s-min=23.4km az=68.0.
IDC X 20 20 45 13.8–1.9 7.19S 128.65E 0 3.8,3.7L
¶12069160

IDC Error ellipse: s-maj=112.0km s-min=30.9km az=66.0.
IDC X 20 23 39 56.0–2.1 7.63S 126.96E 0 3.6,3.5b
¶12069175

IDC Error ellipse: s-maj=272.7km s-min=32.0km az=63.0.
IDC X 21 01 46 32.5–2.8 6.77S 128.07E 0 3.7L,3.7
¶12070713

IDC Error ellipse: s-maj=312.2km s-min=32.4km az=66.0.
ISC X 21 13 00 48.7–.16 7.61S–.02 127.70E–.02 140 5.3b 440 4-163
BJI X 21 13 00 40.3 8.42S 128.26E 148 5.3b,5.2b **¶11360732**
ISCJB X 21 13 00 46.7–.15 7.59S–.02 127.71E–.02 138 5.3b,5.2b
NEIC X 21 13 00 48.0–.12 7.47S 127.73E 135 5.5b,5.5W
MOS X 21 13 00 48.9–.88 7.26S 127.75E 145 5.3b,4.6s
GCMT X 21 13 00 51.3–.10 7.67S 127.72E 152–0 5.6W,4.6s
IDC X 21 13 00 51.7–.79 7.49S 127.65E 165–6 5.0,5.0
DJA X 21 13 00 51.0–.20 8S–2.0 128E–2.0 161–3 5.8b,5.8
ISC Event type fe.
ISCJB Event type fe.
NEIC Event type fe. Felt [II] at Darwin, Australia. Felt at Dili, Timor-Leste. Moment Tensor Solution. s28 Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-1.57 $M_{\phi\phi}$0.33 $M_{r\theta}$-1.57 $M_{\theta\phi}$0.70 $M_{\phi r}$0.49 Best double couple: NP1:ϕ_S288.00000°,δ69.00000°,λ89.00000°. NP2:ϕ_S109.00000° ,δ21.00000°,λ92.00000°. Principal axes: T 1.9600,Plg66.0000°,Azm196.0000° ; N 0.5600,Plg0.0000°,Azm287.0000°; P -2.5200,Plg23.0000°,Azm17.0000° M_O2.30000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=117, comp=242, per= 50. Moment Tensor Solution. s99,c186; s46,c48; Moment tensor: Scale 10^{17}Nm; M_{rr}2.38±.04 $M_{\theta\theta}$-2.43±.04; $M_{\phi\phi}$0.06±.04; $M_{r\theta}$-1.99±.03; $M_{\theta\phi}$-0.32±.04; $M_{\phi r}$0.84±.03; Best double couple: NP1:ϕ_S66.00000°,δ28.00000°,λ58.00000°. NP2:ϕ_S281.00000°,δ66.00000°,λ106.00000°. Principal axes: T 3.3400,Plg65.0000°,Azm219.0000°; N -0.1900,Plg14.0000°,Azm95.0000° ; P -3.1500,Plg20.0000°,Azm360.0000° M_O3.20000×10^{17}
ISC X 22 09 42 21.1–1.6 5.82S–.09 127.8E–.20 407–19 3.7b 24 12-70
ISCJB X 22 09 42 19.7–2.8 5.8S–.10 127.8E–.20 411–36 3.7b **¶12070791**
NEIC X 22 09 42 20.3–3.9 5.77S 127.77E 398–50 4.5b
IDC X 22 09 42 21.4–3.0 5.84S 127.68E 413–34 3.4b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=14.2km az=152.1.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=16.5km az=176.0.
IDC Error ellipse: s-maj=47.8km s-min=11.5km az=71.0.
ISC X 23 01 50 12.7–2.2 7.2S–.10 129.81E–.08 142–20 3.9b 26 6-68
NEIC X 23 01 50 07.5–3.8 6.68S 129.88E 145–35 4.9b **¶12070855**

IDC X 23 01 50 08.8–5.4 6.90S 129.54E 156–53 3.8,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.2km s-min=24.7km az=200.0.
IDC Error ellipse: s-maj=43.1km s-min=22.6km az=56.0.
IDC X 23 13 44 15.1–2.2 6.89S 129.10E 0 3.6b,3.4
¶12070894

IDC Error ellipse: s-maj=142.3km s-min=32.2km az=67.0.
IDC X 24 05 52 18.8–2.2 6.35S 130.48E 0 3.8,3.6b
¶12070961

IDC Error ellipse: s-maj=93.2km s-min=28.4km az=77.0.
IDC X 24 17 12 46.7–2.1 6.55S 130.56E 0 4.0,3.8L
¶12071006

IDC Error ellipse: s-maj=76.6km s-min=25.3km az=74.0.
IDC X 25 11 12 52.4–27 4.92S 127.47E 550–133 2.8b,2.6
¶12071067

IDC Error ellipse: s-maj=365.2km s-min=124.1km az=163.0.
IDC X 25 15 56 00.1–10 7.20S 129.32E 250–125 2.8s,2.8
¶12071084

IDC Error ellipse: s-maj=78.7km s-min=54.2km az=35.0.
IDC X 25 20 52 30.6–2.3 6.39S 129.94E 0 3.5,3.3b
¶12071099

IDC Error ellipse: s-maj=91.6km s-min=28.9km az=77.0.
IDC X 25 23 38 13.2–2.3 6.58S 129.32E 0 3.3b,3.3
¶12071114

IDC Error ellipse: s-maj=139.8km s-min=32.4km az=68.0.
ISC X 26 07 15 47.9–2.8 7.4S–.20 129.9E–.10 202–21 17 6-27
NEIC X 26 07 15 41.2–14 6.94S 129.92E 169–49 **¶12071135**
IDC X 26 07 15 42.1–6.8 7.11S 129.72E 167–59 3.7,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=165.8km s-min=36.8km az=176.0.
IDC Error ellipse: s-maj=59.5km s-min=51.8km az=88.0.
ISC X 26 15 34 58.6–.26 7.07S–.04 125.93E–.04 511–3 4.3b 117 4-153
NEIC X 26 15 34 56.8–.20 6.99S 125.89E 483 4.6b **¶12071165**
ISCJB X 26 15 34 58.0–.27 7.02S–.04 125.93E–.04 519–4 4.3b
IDC X 26 15 34 58.3–1.2 7.02S 125.88E 503–13 3.7,3.6b
DJA X 26 15 34 59 7.16S 125.83E 495 4.7b,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.0km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.1km az=136.3.
IDC Error ellipse: s-maj=19.8km s-min=7.6km az=60.0.
ISC X 27 12 25 21.0–.91 6.4S–.10 129.2E–.30 35 3.7b 16 12-72
IDC X 27 12 25 15.6–1.6 6.31S 129.28E 0 3.8L,3.8 **¶12071238**
NEIC X 27 12 25 17.4–.70 6.35S 129.18E 10 3.8L,3.8
ISCJB X 27 12 25 18.8–.90 6.4S–.10 129.1E–.30 33 3.7b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 27 22 28 37.5–1.6 7.0S–.10 125.8E–.10 516–26 3.1b 23 11-70
ISCJB X 27 22 28 37.6–2.0 7.0S–.10 125.7E–.10 537–32 3.1b **¶12071288**
NEIC X 27 22 28 37.4–1.1 7.01S 125.74E 516–17 3.4b
IDC X 27 22 28 37.7–4.9 7.05S 125.65E 518–76 2.9,2.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=16.1km az=160.5.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.4km az=67.0.
IDC Error ellipse: s-maj=79.9km s-min=35.3km az=57.0.
ISC X 28 17 14 05.2–2.5 7.1S–.10 129.73E–.09 73–28 4.1b 48 6-151
ISCJB X 28 17 14 04.7–3.0 7.1S–.10 129.72E–.09 86–32 4.1b **¶12071354**
IDC X 28 17 14 04.3–4.0 6.96S 129.76E 60–39 4.0L,4.0
NEIC X 28 17 14 07.7–1.8 7.05S 129.65E 95–19 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=15.0km az=16.6.
IDC Error ellipse: s-maj=38.4km s-min=19.5km az=54.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.9km az=221.0.
ISC X 28 18 58 50.7–3.0 7.0S–.30 127.5E–.40 479–43 3.1b 18 11-71
ISCJB X 28 18 58 46.2–4.9 6.8S–.30 127.5E–.40 430–61 3.1b **¶12071364**
IDC X 28 18 58 48.3–6.8 6.78S 127.68E 439–100 2.8b,2.8
NEIC X 28 18 58 51.2–3.0 7.07S 127.57E 489–44 4.0b,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=76.9km s-min=16.6km az=147.0.
IDC Error ellipse: s-maj=73.4km s-min=44.7km az=53.0.
NEIC Event type se. Error ellipse: s-maj=58.8km s-min=22.5km az=54.0.
ISC X 28 23 50 31.4–.38 6.79S–.04 127.07E–.06 425–5 3.7b 57 3-147
ISCJB X 28 23 50 30.6–.37 6.75S–.04 127.05E–.06 431–5 3.7b **¶12071401**
NEIC X 28 23 50 32.2–.80 6.79S 126.98E 434–11 3.6b
IDC X 28 23 50 33.1–2.4 6.84S 127.02E 445–29 3.5b,3.5
DJA X 28 23 50 37 7.21S 126.83E 250 4.8,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.4km az=155.7.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.3km az=60.0.
IDC Error ellipse: s-maj=35.5km s-min=10.3km az=73.0.
IDC X 29 09 18 47.7–2.5 6.66S 130.08E 0 4.0b,3.6
¶12071445

IDC Error ellipse: s-maj=91.5km s-min=35.0km az=97.0.
ISC X 29 22 08 52.4–1.5 7.19S–.09 129.71E–.07 44–16 4.3b 62 3-151
IDC X 29 22 08 52.8–4.1 7.19S 129.69E 46–39 4.7L,4.1 **¶11472847**
NEIC X 29 22 08 53.2–.95 7.24S 129.65E 54–10 4.7b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=59.2km s-min=20.0km az=61.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.5km az=217.0.
IDC X 30 03 56 19.2–6.0 7.24S 128.08E 176–63 3.8,3.6b
¶12071588

IDC Error ellipse: s-maj=117.8km s-min=20.7km az=70.0.
ISC X 30 04 21 48.1–1.7 7.30S–.10 129.1E–.10 159–16 3.8b 23 6-68
IDC X 30 04 21 30.1–1.7 6.46S 129.82E 0 4.5,4.3L **¶12071591**
NEIC X 30 04 21 38.9–4.7 6.73S 129.50E 67–46 4.5,4.3L
ISCJB X 30 04 21 48.9–1.9 7.34S–.10 129.2E–.10 189–21 3.8b,4.3L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 30 11 57 50.0–1.4 7.59S–.08 128.26E–.09 144–15 3.5b 24 7-72
ISCJB X 30 11 57 48.3–1.7 7.5S–.10 128.3E–.10 152–18 3.5b **¶12071619**
NEIC X 30 11 57 49.4–1.7 7.43S 128.29E 146–18 4.1b
IDC X 30 11 57 49.4–5.1 7.44S 128.21E 146–49 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=11.7km az=42.1.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=11.4km az=225.0.
IDC Error ellipse: s-maj=76.0km s-min=22.3km az=71.0.
IDC X 30 20 36 56.6–4.7 6.45S 128.63E 256–45 3.5,3.4b
¶12071661

IDC Error ellipse: s-maj=90.2km s-min=16.0km az=69.0.
ISC X 31 14 02 39.3–1.9 5.71S–.08 130.3E–.10 95–17 19 7-67
IDC X 31 14 02 30.8–2.4 5.43S 129.96E 0 3.8s,3.8 **¶12071738**
NEIC X 31 14 02 33.2–1.1 5.31S 130.42E 35 3.2b,3.8
ISCJB X 31 14 02 38.7–2.4 5.70S–.08 130.3E–.10 111–26 3.2b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 01 01 34 29.0–.82 6.65S–.03 129.31E–.03 25–5 5.3b,5.2s 412 3-160
BJI XI 01 01 34 21.0 7.00S 129.58E 10 5.7b,5.4s **¶11380743**
ISCJB XI 01 01 34 24.9–.89 6.61S–.03 129.32E–.03 10–5 5.3b,5.2s
IDC XI 01 01 34 25.2–.38 6.66S 129.12E 0 5.3,5.3s
NEIC XI 01 01 34 26.4–.14 6.68S 129.23E 10 5.7W,5.4b
TEH XI 01 01 34 27.0 6.68S 129.25E 10 5.7W,5.4b
MOS XI 01 01 34 29.4–.89 6.45S 129.27E 33 5.6b,5.2s
DJA XI 01 01 34 29.6–.80 7S–2.0 129E–2.0 30–8 6.1b,6.1
GCMT XI 01 01 34 31.1–.10 6.55S 129.20E 21–0 5.8W,6.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.9km az=137.4.
IDC Error ellipse: s-maj=15.6km s-min=10.8km az=69.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.9km az=57.0.
MOS Error ellipse: s-maj=10.4km s-min=5.7km az=118.6.

GCMT Event type se. Data Used: IU II IC G CN. Surface waves: sta=116, comp=214, per= 50. Moment Tensor Solution. s80,c131; s58,c73; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.09 $M_{\theta\theta}$-5.48±.08; $M_{\phi\phi}$5.54±.08; $M_{r\theta}$-0.60±.15; $M_{\theta\phi}$1.95±.07; $M_{\phi r}$1.81±.18; Best double couple: NP1:ϕ_s55.00000°,δ73.00000°,λ4.00000°. NP2:ϕ_s324.00000°,δ86.00000°,λ163.00000°. Principal axes: T 6.3200,Plg15.0000°,Azm279.0000°; N -0.3600,Plg72.0000°,Azm131.0000°; P -5.9600,Plg9.0000°,Azm11.0000° $M_0$6.10000×10^{17}
ISC XI 01 01 36 58.3–5.7 5.0S–.20 128.8E–.20 149–64 4.5b 26 12-148
IDC XI 01 01 36 41.0–1.6 4.96S 128.41E 0 5.2s,5.2 **¶12071801**
NEIC XI 01 01 36 55.7–4.1 4.91S 128.75E 117–39 4.9b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=43.9km s-min=33.9km az=142.0.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=17.1km az=51.0.
ISC XI 01 01 49 29.6–1.8 6.89S–.10 129.0E–.10 65–21 3.9b 24 7-72
IDC XI 01 01 49 21.2–1.4 6.64S 129.40E 0 4.1,4.0b **¶12071803**
ISCJB XI 01 01 49 26.9–1.9 6.87S–.07 129.0E–.10 56–20 3.9b,4.0b
NEIC XI 01 01 49 29.3–2.3 6.85S 129.09E 61–26 4.0b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=48.2km s-min=23.6km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=9.6km az=154.0.
NEIC Event type se. Error ellipse: s-maj=34.6km s-min=11.8km az=46.0.
IDC XI 01 01 57 20.6–2.4 7.97S 129.79E 0 4.5b,4.2s
¶12071805

IDC Error ellipse: s-maj=75.9km s-min=30.5km az=103.0.
IDC XI 01 03 30 55.9–2.0 6.91S 128.87E 0 3.6,3.5
¶12071820

IDC Error ellipse: s-maj=83.4km s-min=27.7km az=75.0.
ISC XI 01 05 57 37.5–2.9 7.0S–.10 129.2E–.10 75–34 3.9b 36 7-146
IDC XI 01 05 57 30.0–.85 6.81S 128.77E 0 4.0b,4.0 **¶12071827**
ISCJB XI 01 05 57 34.0–2.3 6.94S–.06 129.0E–.10 55–24 4.0b,3.4s
NEIC XI 01 05 57 34.4–.59 6.79S 129.17E 35 4.6b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=15.8km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=9.8km az=165.2.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=8.9km az=66.0.
DJA XI 01 06 01 05 4.26S 127.66E 10 3.2
¶12922938

IDC XI 01 06 19 10.7–1.8 6.69S 128.78E 0 3.9,3.8b
¶12071829

IDC Error ellipse: s-maj=92.6km s-min=26.8km az=70.0.
IDC XI 01 06 47 25.2–2.2 7.07S 129.01E 0 3.7b,3.7
¶12071831

IDC Error ellipse: s-maj=84.2km s-min=26.2km az=80.0.
ISC XI 01 10 23 50.2–.50 7.09S–.04 129.70E–.05 148–5 4.5b 130 4-151
BJI XI 01 10 23 47.9 7.00S 129.50E 119 4.9b,4.7b **¶11380761**
IDC XI 01 10 23 47.7–3.3 6.90S 129.45E 116–30 4.2,4.2
NEIC XI 01 10 23 47.4–1.5 6.98S 129.50E 115–15 4.5b,4.2
ISCJB XI 01 10 23 49.7–.52 7.11S–.03 129.67E–.04 162–5 4.5b,4.2
DJA XI 01 10 23 51 7.07S 129.67E 135 4.8b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=10.9km az=67.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.9km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.6km az=148.7.
ISC XI 01 16 20 37.6–1.3 6.98S–.07 129.38E–.08 46–16 3.6b,3.3s 42 2-72
NEIC XI 01 16 20 36.9–.71 6.91S 129.13E 35 3.6b,3.3s **¶12071872**
ISCJB XI 01 16 20 37.3–1.4 7.07S–.06 129.27E–.08 68–17 3.6b,3.3s
DJA XI 01 16 20 37 6.41S 129.54E 70 4.3b,3.3s
IDC XI 01 16 20 38.4–4.3 7.02S 129.13E 54–48 3.8,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=9.5km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=7.2km az=148.6.
IDC Error ellipse: s-maj=41.2km s-min=23.6km az=46.0.
IDC XI 01 16 36 48.7–13 7.67S 128.11E 157–145 3.7L,3.3
¶12071874

IDC Error ellipse: s-maj=98.0km s-min=53.3km az=30.0.
IDC XI 01 20 26 42.3–13 5.79S 128.37E 278–151 2.6b,2.6
¶12071902

IDC Error ellipse: s-maj=86.9km s-min=47.7km az=41.0.
ISC XI 01 20 58 54.6–.37 6.65S–.04 129.39E–.05 35 4.0b,3.3s 84 2-128
IDC XI 01 20 58 50.6–.63 6.76S 129.04E 0 4.1,4.1L **¶12071907**
DJA XI 01 20 58 50 6.55S 129.64E 10 4.6b,4.1L
ISCJB XI 01 20 58 51.9–.35 6.69S–.04 129.39E–.05 33 4.0b,3.3s
NEIC XI 01 20 58 51.1–.54 6.87S 129.15E 10 4.2b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=13.9km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=3.8km az=151.8.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=8.6km az=64.0.
IDC XI 02 14 16 18.0–2.0 6.90S 129.34E 0 3.5b,3.5
¶12071990

IDC Error ellipse: s-maj=111.4km s-min=20.7km az=70.0.
IDC XI 02 20 19 43.1–1.6 6.74S 129.57E 0 3.7L,3.7
¶12072027

IDC Error ellipse: s-maj=75.5km s-min=24.6km az=79.0.
IDC XI 03 06 07 37.8–1.8 6.68S 130.01E 0 4.0L,4.0
¶12072079

IDC Error ellipse: s-maj=128.2km s-min=26.4km az=66.0.
ISC XI 03 19 36 22.4–.75 7.01S–.10 129.8E–.10 35 3.8b 27 2-72
IDC XI 03 19 36 17.4–1.2 6.96S 129.69E 0 3.8b,3.8 **¶12072161**
ISCJB XI 03 19 36 20.4–.77 6.81S–.08 129.9E–.10 33 3.8b,3.8
NEIC XI 03 19 36 22.4–.73 7.08S 129.59E 35 4.4b,3.8
DJA XI 03 19 36 35 6.32S 128.83E 223 4.0,3.8
ISC Event type se.
IDC Error ellipse: s-maj=56.9km s-min=18.3km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=7.5km az=156.0.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=9.6km az=59.0.
ISC XI 03 21 31 23.8–.52 5.08S–.08 123.90E–.07 35 3.8b 24 4-122
IDC XI 03 21 31 18.8–1.1 4.96S 124.01E 0 3.9,3.8 **¶12072172**
ISCJB XI 03 21 31 21.4–.52 5.07S–.08 123.91E–.07 33 3.8b,3.8
NEIC XI 03 21 31 23.7–.42 5.07S 123.91E 35 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=46.6km s-min=20.1km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=7.1km az=34.4.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=6.9km az=52.0.
IDC XI 04 03 21 32.3–2.4 6.09S 129.86E 0 3.8b,3.5
¶12072205

IDC Error ellipse: s-maj=141.4km s-min=32.6km az=69.0.
IDC XI 04 08 06 55.5–2.1 6.95S 129.06E 0 4.1,3.9L
¶12072223

IDC Error ellipse: s-maj=80.6km s-min=28.3km az=76.0.
ISC XI 04 12 17 06.8–.72 6.51S–.08 129.9E–.20 115–10 4.5b 45 2-71
IDC XI 04 12 16 54.1–1.5 6.25S 129.61E 0 4.5L,4.3 **¶11472930**
ISCJB XI 04 12 17 05.8–.77 6.54S–.08 129.9E–.20 126–11 4.5b,4.3
NEIC XI 04 12 17 06.5–2.1 6.42S 129.96E 111–24 4.1b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=119.7km s-min=20.7km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=32.1km s-min=5.2km az=158.4.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=13.6km az=56.0.
ISC XI 04 16 25 46.2–.60 7.03S–.08 128.8E–.10 35 3.6b 26 7-71
IDC XI 04 16 25 41.9–.98 6.82S 128.90E 0 3.8,3.7b **¶12072268**
ISCJB XI 04 16 25 44.0–.60 6.98S–.08 128.8E–.10 33 3.6b,3.7b
NEIC XI 04 16 25 43.9–.58 6.84S 128.87E 15 3.6b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=18.3km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=7.3km az=151.8.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=9.4km az=47.0.
IDC XI 05 20 07 17.7–16 6.26S 130.23E 91–175 3.8L,3.6b
¶12072463

IDC Error ellipse: s-maj=121.4km s-min=62.6km az=36.0.
IDC XI 06 09 31 05.2–2.4 6.52S 129.93E 0 5.1,5.1s
¶12072511

IDC Error ellipse: s-maj=106.1km s-min=32.9km az=96.0.
ISC XI 06 22 15 48.1–1.3 6.85S–.08 129.0E–.10 35 3.7b 23 7-71

IDC XI 06 22 15 40.2–1.9 6.23S 129.92E 0 3.8L,3.8b ¶12072584
NEIC XI 06 22 15 42.9–.97 6.67S 128.81E 10 3.8L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=98.8km s-min=25.1km az=78.0.
NEIC Event type se. Error ellipse: s-maj=35.7km s-min=12.7km az=64.0.
ISC XI 07 02 12 17.8–.95 6.6S–.10 130.1E–.30 35 4.0b 18 6-82
IDC XI 07 02 12 14.1–1.9 6.59S 129.88E 0 4.0b,3.8 ¶12072614
ISCJB XI 07 02 12 15.3–.96 6.7S–.10 130.1E–.30 33 4.0b,3.8
NEIC XI 07 02 12 16.3–.94 6.56S 129.47E 10 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=88.4km s-min=25.4km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=38.1km s-min=9.2km az=160.4.
NEIC Event type se. Error ellipse: s-maj=41.2km s-min=12.3km az=73.0.
ISC XI 07 06 17 01.7–.50 4.66S–.05 128.78E–.08 35 4.0b 30 1-149
ISCJB XI 07 06 16 59.6–.48 4.68S–.05 128.74E–.08 33 4.0b ¶12072628
NEIC XI 07 06 17 03.2–.56 4.81S 128.69E 35 4.4b
IDC XI 07 06 17 04.6–4.8 4.77S 128.52E 44–49 3.9,3.8
DJA XI 07 06 17 05 4.04S 128.64E 14 3.8,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=6.6km az=160.6.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.2km az=65.0.
IDC Error ellipse: s-maj=42.7km s-min=23.9km az=75.0.
ISC XI 07 08 13 29.9–1.5 7.24S–.07 129.33E–.09 161–15 3.9b 40 6-151
NEIC XI 07 08 13 28.8–2.3 7.05S 129.44E 145–23 4.8b ¶12072646
IDC XI 07 08 13 30.3–2.5 7.01S 129.42E 159–23 4.3s,4.3
ISCJB XI 07 08 13 31.9–1.7 7.34S–.07 129.44E–.09 204–19 3.8b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 07 09 18 08.5–2.5 7.36S–.04 127.91E–.04 10–18 4.2b 74 3-127
ISCJB XI 07 09 18 06.0–2.0 7.31S–.04 127.89E–.04 7–14 4.2b ¶11396598
IDC XI 07 09 18 07.0–.78 7.29S 127.69E 0 4.3L,4.3
NEIC XI 07 09 18 09.1–.53 7.33S 127.73E 15 4.5b,4.3
DJA XI 07 09 18 10.7–.30 7S–2.0 128E–3.0 30–0 5.5b,5.3
ISC Event type se.
ISCJB Event type se.
NEIC Event type se.
ISC XI 07 10 52 36.5–2.0 7.28S–.09 129.3E–.10 83–19 3.7b 20 6-72
IDC XI 07 10 52 26.5–1.6 7.05S 129.10E 0 3.9b,3.9 ¶12072667
ISCJB XI 07 10 52 34.7–3.0 7.28S–.10 129.2E–.10 76–32 3.7b,3.9
NEIC XI 07 10 52 42.2–3.8 7.68S 128.94E 130–44 3.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=67.5km s-min=19.1km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=23.7km s-min=15.9km az=172.8.
NEIC Event type se. Error ellipse: s-maj=34.7km s-min=33.2km az=83.0.
ISC XI 07 11 32 29.6–.88 7.00S–.05 129.38E–.09 38–12 3.8b 33 3-72
IDC XI 07 11 32 24.6–1.4 7.01S 129.12E 0 3.9,3.8 ¶12072673
ISCJB XI 07 11 32 25.1–2.3 6.87S–.05 129.44E–.08 16–20 3.8b,3.8
NEIC XI 07 11 32 34.5–2.4 7.31S 129.00E 88–27 3.8b,3.8
DJA XI 07 11 32 44 5.15S 128.73E 270 3.4,3.8
ISC Event type se.
IDC Error ellipse: s-maj=56.2km s-min=17.3km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=7.4km az=156.7.
NEIC Event type se. Error ellipse: s-maj=38.2km s-min=11.3km az=45.0.
ISC XI 07 16 04 20.1–.26 6.70S–.04 129.32E–.04 35 5.8s,4.6b 101 3-147
IDC XI 07 16 04 13.9–.08 6.86S 129.45E 0 4.6,4.5b ¶11396606
NEIC XI 07 16 04 15.8–.33 6.74S 129.21E 10 4.6b,4.5b
ISCJB XI 07 16 04 17.6–.25 6.73S–.03 129.30E–.04 33 5.8s,4.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 07 16 04 26.5–.63 6.71S–.02 129.29E–.02 31–4 5.9s,5.7b 571 2-169
BJI XI 07 16 04 15.2 7.19S 129.78E 8 5.9s,5.9b ¶12072708
IDC XI 07 16 04 21.4–.35 6.75S 128.98E 0 6.1,6.1s
TEH XI 07 16 04 22.0 7.06S 128.88E 10 6.1,6.1s
ISCJB XI 07 16 04 23.0–.62 6.72S–.02 129.31E–.02 19–4 5.9s,5.7b
NEIC XI 07 16 04 23.4–.11 6.71S 129.07E 10 6.2W,5.9b
MOS XI 07 16 04 27.8–.86 6.22S 129.04E 33 6.0b,5.8s
DJA XI 07 16 04 27.4–.80 7S–3.0 129E–2.0 39–7 6.5b,6.2
GCMT XI 07 16 04 28.6–.10 6.62S 129.24E 20–0 6.2W,6.2
ISC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=7.6km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.3km az=138.7.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.6km az=58.0.
MOS Error ellipse: s-maj=10.8km s-min=6.1km az=108.4.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=117, comp=258, per= 50. Moment Tensor Solution. s115,c253; s97,c154; Moment tensor: Scale 10^{18}Nm; M_{rr}0.19±.01 $M_{\theta\theta}$-2.34±.02; $M_{\phi\phi}$2.16±.02; $M_{r\theta}$-0.17±.03; $M_{\theta\phi}$0.29±.01; $M_{\phi r}$0.37±.03; Best double couple: NP1:ϕ_s49.00000°,δ80.00000°,λ4.00000°. NP2:ϕ_s318.00000°,δ86.00000°,λ170.00000°. Principal axes: T 2.2400,Plg10.0000°,Azm273.0000°; N 0.1400,Plg79.0000°,Azm117.0000° ; P -2.3700,Plg4.0000°,Azm4.0000° $M_0$2.30000×10^{18}
ISC XI 07 16 47 04.9–.37 6.84S–.04 129.49E–.06 35 4.3b 75 2-151
IDC XI 07 16 47 00.9–.68 6.70S 129.65E 0 4.3,4.3 ¶12072712
NEIC XI 07 16 47 01.8–.45 6.82S 129.46E 10 4.7b,4.3
ISCJB XI 07 16 47 02.6–.35 6.86S–.04 129.43E–.05 33 4.3b,4.3
DJA XI 07 16 47 04 6.62S 129.78E 103 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=15.0km az=76.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.1km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.2km az=151.1.
ISC XI 07 17 18 20.8–3.0 6.96S–.05 129.29E–.10 32–23 3.9b 35 7-75
IDC XI 07 17 18 16.5–1.1 6.85S 129.33E 0 4.1,4.0b ¶12072720
NEIC XI 07 17 18 18.2–.63 6.89S 129.18E 10 4.1b,4.0b
ISCJB XI 07 17 18 19.2–2.2 7.01S–.07 129.3E–.10 39–23 3.9b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 07 17 45 55.0–2.8 6.77S–.04 129.62E–.07 19–18 3.8b 49 2-93
IDC XI 07 17 45 52.8–.95 6.67S 129.54E 0 4.0,4.0 ¶12072722
ISCJB XI 07 17 45 53.4–2.0 6.84S–.04 129.58E–.07 24–16 3.8b,4.0
NEIC XI 07 17 45 54.1–.53 6.73S 129.49E 10 4.2b,4.0
DJA XI 07 17 45 55 6.82S 129.88E 127 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=47.3km s-min=19.2km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.9km az=157.2.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=7.9km az=64.0.
ISC XI 07 17 57 40.8–2.0 7.1S–.10 129.3E–.20 53–22 3.7b 23 6-68
IDC XI 07 17 57 34.2–1.9 6.72S 129.62E 0 4.0,3.9L ¶12072724
NEIC XI 07 17 57 35.8–1.0 6.80S 129.48E 10 4.0,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=75.2km s-min=22.3km az=77.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=10.4km az=58.0.
ISC XI 07 20 47 20.9–2.8 7.1S–.10 129.3E–.10 47–33 3.5b 16 6-68
IDC XI 07 20 47 14.8–1.7 7.00S 129.16E 0 3.7,3.6 ¶12072746
NEIC XI 07 20 47 19.8–1.1 7.05S 129.28E 35 3.7,3.6
ISCJB XI 07 20 47 20.6–2.8 7.18S–.09 129.3E–.10 71–30 3.4b,3.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 07 21 26 11.3–2.2 6.79S 129.35E 0 3.6,3.5b
¶12072754
IDC Error ellipse: s-maj=105.0km s-min=27.7km az=76.0.
IDC XI 08 13 09 43.0–1.6 6.94S 128.95E 0 4.0b,3.9
¶12072819
IDC Error ellipse: s-maj=60.5km s-min=24.0km az=74.0.
ISC XI 08 16 42 42.4–2.9 6.70S–.04 129.51E–.07 18–20 4.1b,3.5s 54 2-75
ISCJB XI 08 16 42 40.5–2.0 6.73S–.04 129.49E–.06 21–17 4.1b,3.5s ¶12072835
IDC XI 08 16 42 40.2–.81 6.76S 129.24E 0 4.1,4.0
NEIC XI 08 16 42 41.6–.53 6.75S 129.38E 10 4.2b,4.0
DJA XI 08 16 42 50 6.01S 129.11E 10 3.6,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.0km az=176.7.
IDC Error ellipse: s-maj=32.3km s-min=15.6km az=75.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.4km az=77.0.
ISC XI 08 20 55 41.6–.32 6.67S–.04 129.38E–.05 35 4.5b,4.0s 135 2-151
BJI XI 08 20 55 36.3 6.87S 129.28E 10 5.1b,4.8s ¶11396837
NEIC XI 08 20 55 37.4–.33 6.76S 129.26E 10 4.8b,4.8s
IDC XI 08 20 55 37.3–.58 6.52S 129.26E 0 4.4,4.3b
ISCJB XI 08 20 55 39.5–.32 6.63S–.04 129.34E–.05 33 4.5b,4.0s
GCMT XI 08 20 55 40.9–.30 6.53S 129.23E 13–2 4.9W,4.0s
DJA XI 08 20 55 42 6.21S 129.26E 23 4.8b,4.0s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.3km az=60.0.
IDC Error ellipse: s-maj=24.5km s-min=13.6km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.4km az=159.9.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s19,c24; s57,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.11 $M_{\theta\theta}$-2.28±.10; $M_{\phi\phi}$2.42±.12; $M_{r\theta}$-0.62±.26; $M_{\theta\phi}$0.60±.10; $M_{\phi r}$1.50±.41; Best double couple: NP1:ϕ_s54.00000°,δ58.00000°,λ3.00000°. NP2:ϕ_s323.00000°,δ88.00000°,λ148.00000°. Principal axes: T 3.1300,Plg24.0000° ,Azm273.0000°; N -0.4700,Plg57.0000°,Azm139.0000°; P -2.6600,Plg20.0000° ,Azm13.0000° $M_0$2.90000×10^{16}
IDC XI 08 23 46 52.0–2.0 7.18S 129.05E 0 3.7b,3.6
¶12072886
IDC Error ellipse: s-maj=126.0km s-min=32.0km az=67.0.
ISC XI 09 10 38 54.1–.46 7.26S–.03 129.51E–.03 136–4 5.2b 367 3-161
BJI XI 09 10 38 40.6 7.76S 129.81E 74 5.4b,5.4b ¶11406522
NEIC XI 09 10 38 50.4–.78 7.20S 129.38E 98–6 5.3b,5.4b
MOS XI 09 10 38 51.1–1.1 7.02S 129.45E 110 5.5b,5.4b
GCMT XI 09 10 38 52.4–.20 7.36S 129.46E 114–1 5.2W,5.4b
IDC XI 09 10 38 52.1–1.3 7.18S 129.43E 110–10 5.0,5.0b
DJA XI 09 10 38 53.0–.40 7S–3.0 130E–2.0 96–11 5.9b,5.8
ISCJB XI 09 10 38 53.6–.49 7.23S–.03 129.48E–.03 146–4 5.2b,5.8
ISC Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s53,c72; s90,c141; Moment tensor: Scale 10^{16}Nm; M_{rr}6.02±.13 $M_{\theta\theta}$-4.17±.17; $M_{\phi\phi}$-1.85±.18; $M_{r\theta}$2.20±.13; $M_{\theta\phi}$-3.40±.15; $M_{\phi r}$0.16±.14; Best double couple: NP1:ϕ_s223.00000°,δ38.00000°,λ73.00000°. NP2:ϕ_s65.00000°,δ54.00000°,λ103.00000°. Principal axes: T 6.5100,Plg76.0000° ,Azm18.0000°; N 0.3700,Plg11.0000°,Azm237.0000°; P -6.8800,Plg8.0000°,Azm146.0000° $M_0$6.70000×10^{16}
ISCJB Event type se.
IDC XI 09 15 06 23.0–2.1 6.94S 129.05E 0 3.4,3.3b
¶12072964
IDC Error ellipse: s-maj=85.9km s-min=25.7km az=80.0.
IDC XI 09 18 36 49.3–2.2 6.65S 129.01E 0 3.4,3.3b
¶12072984
IDC Error ellipse: s-maj=86.0km s-min=28.7km az=75.0.
IDC XI 09 18 38 09.8–1.4 5.89S 131.15E 0 4.0b,4.0
¶12072985
IDC Error ellipse: s-maj=86.4km s-min=20.5km az=73.0.
IDC XI 09 19 43 17.7–10 6.33S 130.09E 75–103 3.6b,3.5
¶12072989
IDC Error ellipse: s-maj=116.2km s-min=33.0km az=55.0.
ISC XI 10 00 38 45.8–.46 7.29S–.04 129.13E–.04 191–5 4.3b 100 3-151
NEIC XI 10 00 38 43.0–1.1 7.16S 129.08E 160–11 4.7b ¶11472990
ISCJB XI 10 00 38 45.1–.44 7.28S–.03 129.13E–.04 200–5 4.2b
IDC XI 10 00 38 45.2–1.9 7.09S 129.14E 180–16 3.9,3.9
DJA XI 10 00 38 48 7.42S 129.02E 105 4.8b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.0km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.0km az=148.6.
IDC Error ellipse: s-maj=20.8km s-min=9.7km az=59.0.
IDC XI 10 07 17 27.1–2.3 5.75S 130.51E 0 3.9b,3.6
¶12073045
IDC Error ellipse: s-maj=94.3km s-min=28.9km az=77.0.
IDC XI 10 13 15 45.9–2.7 6.95S 128.31E 0 3.7b,3.6
¶12073069
IDC Error ellipse: s-maj=311.2km s-min=30.9km az=66.0.
ISC XI 10 17 15 13.1–.47 6.68S–.04 130.51E–.04 110–4 4.6b 139 2-151
IDC XI 10 17 15 06.6–2.9 6.53S 130.33E 42–27 4.9L,4.4 ¶11415183
NEIC XI 10 17 15 10.3–1.6 6.61S 130.23E 78–15 4.9b,4.4
ISCJB XI 10 17 15 11.7–.50 6.69S–.03 130.52E–.04 114–5 4.6b,4.4
DJA XI 10 17 15 14.3–.30 7S–4.0 131E–2.0 82–10 5.4b,5.2
BJI XI 10 17 15 15.3 6.70S 130.30E 127 5.1b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=12.2km az=77.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.8km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.9km az=140.6.
ISC XI 10 18 58 33.3–.60 6.44S–.05 130.13E–.09 130–7 4.4b 64 2-151
NEIC XI 10 18 58 26.3–1.6 6.14S 130.35E 64–15 4.3b ¶11473001
IDC XI 10 18 58 27.9–4.7 6.21S 130.24E 74–42 4.6L,4.2
ISCJB XI 10 18 58 32.5–.60 6.40S–.05 130.14E–.09 141–7 4.4b,4.2
DJA XI 10 18 58 34 6.42S 130.13E 104 4.6b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=8.0km az=62.0.
IDC Error ellipse: s-maj=48.4km s-min=16.1km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=6.2km az=161.1.
IDC XI 11 01 57 39.2–1.8 7.38S 124.30E 0 3.7,3.6L
¶12073129
IDC Error ellipse: s-maj=116.9km s-min=26.8km az=65.0.
ISC XI 11 06 31 38.1–.49 6.71S–.04 130.01E–.05 162–6 4.0b 70 2-151
IDC XI 11 06 31 32.9–4.2 6.52S 130.05E 113–37 4.1,3.9b ¶12073144
NEIC XI 11 06 31 34.3–2.1 6.61S 129.89E 126–20 4.5b,3.9b
ISCJB XI 11 06 31 37.2–.51 6.73S–.04 129.98E–.05 169–6 4.0b,3.9b
DJA XI 11 06 31 38 6.60S 130.09E 161 4.7b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=13.1km az=68.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=11.9km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.6km az=160.2.
IDC XI 11 07 26 37.2–2.0 6.57S 129.63E 0 3.7L,3.7
¶12073147
IDC Error ellipse: s-maj=80.0km s-min=27.7km az=77.0.
ISC XI 11 11 05 59.8–1.1 5.65S–.07 131.4E–.10 52–15 4.0b 28 2-71
IDC XI 11 11 05 53.4–2.3 5.49S 131.41E 0 4.0b,3.8 ¶12073165
ISCJB XI 11 11 05 58.5–1.2 5.63S–.07 131.4E–.10 62–16 4.0b,3.8
NEIC XI 11 11 05 58.5–1.1 5.61S 131.22E 35 4.0b,3.8
DJA XI 11 11 06 00 5.29S 131.32E 124 4.0,3.8
ISC Event type se.
IDC Error ellipse: s-maj=115.9km s-min=26.1km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=24.0km s-min=8.6km az=156.7.
NEIC Event type se. Error ellipse: s-maj=40.7km s-min=12.3km az=76.0.
ISC XI 11 11 18 07.3–1.4 7.4S–.10 128.4E–.20 35 14 11-68
IDC XI 11 11 18 01.4–2.1 6.97S 129.03E 0 3.7,3.6L ¶12073166
ISCJB XI 11 11 18 04.6–1.4 7.44S–.10 128.3E–.20 33 3.7,3.6L
NEIC XI 11 11 18 06.4–1.3 7.02S 129.11E 35 3.7,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=88.0km s-min=27.5km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=25.7km s-min=13.7km az=0.0.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=14.7km az=67.0.
IDC XI 12 01 20 28.1–1.7 7.00S 128.40E 0 4.2L,3.8
¶12073253
IDC Error ellipse: s-maj=229.2km s-min=28.6km az=69.0.
ISC XI 12 08 02 36.1–.54 6.79S–.05 129.91E–.05 163–6 4.0b 71 2-146
NEIC XI 12 08 02 20.1–.44 6.60S 129.55E 10 4.3b ¶11434441
IDC XI 12 08 02 30.3–3.4 6.79S 129.76E 107–32 4.1,4.0
ISCJB XI 12 08 02 35.6–.53 6.74S–.04 129.94E–.05 175–6 4.0b,4.0
DJA XI 12 08 02 35.7–.20 7S–3.0 130E–3.0 169–9 5.3b,5.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 13 08 09 00.6–4.4 6.22S 128.63E 379–54 3.3,3.1
¶12073398

IDC Error ellipse: s-maj=173.5km s-min=14.5km az=70.0.
ISC XI 13 17 41 04.2–2.1 7.7S–.10 128.6E–.20 180–22 3.4b 18 13-72
IDC XI 13 17 40 47.0–1.5 7.72S 126.83E 0 4.1L,3.9 ¶12073431
NEIC XI 13 17 40 51.7–.67 7.11S 128.47E 35 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=165.9km s-min=28.7km az=65.0.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=9.1km az=70.0.
ISC XI 14 02 20 00.6–4.4 7.3S–.20 129.3E–.10 137–48 3.6b 22 11-94
IDC XI 14 02 19 46.2–1.4 6.72S 129.51E 0 3.8b,3.8L ¶12073478
NEIC XI 14 02 19 58.1–6.2 7.21S 129.17E 106–69 3.9b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=72.7km s-min=26.0km az=79.0.
NEIC Event type se. Error ellipse: s-maj=46.4km s-min=21.8km az=179.0.
IDC XI 14 04 16 29.5–2.3 6.64S 130.22E 0 3.9,3.8b
¶12073485
IDC Error ellipse: s-maj=138.9km s-min=31.7km az=70.0.
ISC XI 14 10 26 31.6–.43 6.91S–.04 127.12E–.07 411–6 4.1b 56 3-152
ISCJB XI 14 10 26 30.4–.43 6.93S–.04 127.05E–.07 415–6 4.1b ¶12073508
IDC XI 14 10 26 31.2–2.1 6.87S 127.01E 400–24 3.8,3.7b
NEIC XI 14 10 26 31.9–1.2 6.90S 127.09E 411–15 4.3b,3.7b
DJA XI 14 10 26 32 6.79S 127.20E 425 4.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.3km az=164.7.
IDC Error ellipse: s-maj=18.9km s-min=10.1km az=70.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=8.4km az=56.0.
IDC XI 14 14 11 58.9–2.2 5.64S 130.05E 0 3.7,3.5
¶12073528
IDC Error ellipse: s-maj=78.4km s-min=29.2km az=76.0.
ISC XI 14 21 14 07.9–1.3 7.21S–.09 128.9E–.20 35 3.4b 11 11-68
IDC XI 14 21 14 03.2–2.1 7.27S 128.49E 0 4.0L,3.8 ¶12073561
ISCJB XI 14 21 14 05.6–1.3 7.26S–.10 128.8E–.20 33 3.4b,3.8
NEIC XI 14 21 14 06.5–1.3 6.90S 129.62E 35 3.4b,3.8
AUST XI 14 21 15 15.0 12.60S 129.80E 0 2.8L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=240.1km s-min=28.7km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=25.8km s-min=13.6km az=3.1.
NEIC Event type se. Error ellipse: s-maj=35.7km s-min=14.8km az=70.0.
ISC XI 16 00 12 15.9–.72 7.38S–.05 129.32E–.09 152–10 4.4b 52 3-72
IDC XI 16 00 11 59.6–1.1 6.73S 129.72E 0 4.4,4.2L ¶12073687
NEIC XI 16 00 12 02.2–.68 6.80S 129.43E 10 3.7b,4.2L
ISCJB XI 16 00 12 15.2–.61 7.40S–.04 129.42E–.07 171–8 4.4b,4.2L
DJA XI 16 00 12 18 7.29S 129.37E 102 4.1,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=17.9km az=68.0.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=9.1km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.3km az=162.6.
IDC XI 16 06 28 40.1–1.9 6.82S 129.26E 0 4.0b,3.8
¶12073708
IDC Error ellipse: s-maj=80.8km s-min=26.6km az=76.0.
DJA XI 17 03 53 28 4.55S 125.78E 404 4.4b
¶12923068
ISC XI 17 06 01 00.5–.27 5.73S–.02 128.83E–.02 325–2 5.3b 482 2-161
MOS XI 17 06 00 55.4–1.1 5.64S 128.76E 283 5.4b ¶11456708
BJI XI 17 06 00 57.0 5.69S 129.01E 311 5.2b,4.9b
NEIC XI 17 06 00 58.9–.53 5.66S 128.80E 306–5 5.3b,4.9b
ISCJB XI 17 06 00 59.2–.25 5.72S–.02 128.83E–.02 327–2 5.3b,4.9b
IDC XI 17 06 01 00.4–.82 5.72S 128.80E 322–7 5.0b,5.0
DJA XI 17 06 01 00.1–.10 6S–2.0 129E–1.0 314–2 5.8b,5.8
GCMT XI 17 06 01 00.7–.30 5.65S 128.80E 315–1 5.6W,5.8
ISC Event type fe.
MOS Error ellipse: s-maj=9.4km s-min=5.3km az=108.5.
NEIC Event type fe. Error ellipse: s-maj=4.6km s-min=3.1km az=64.0. Felt at Darwin, Australia.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=3.1km az=144.4.
IDC Error ellipse: s-maj=9.9km s-min=5.4km az=76.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c109;
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.06 $M_{\theta\theta}$0.79±.10; $M_{\phi\phi}$0.23±.09; $M_{r\theta}$-1.55±.10; $M_{\theta\phi}$-0.24±.09; $M_{\phi r}$1.97±.08; Best double couple: NP1:ϕ_s283.00000°,δ12.00000°,λ-126.00000°. NP2:ϕ_s139.00000°,δ80.00000°,λ-83.00000°. Principal axes: T 2.5100,Plg35.0000° ,Azm223.0000°; N 0.3200,Plg7.0000°,Azm318.0000°; P -2.8300,Plg54.0000°,Azm58.0000° $M_0$2.70000×10^{17}
ISC XI 17 08 41 43.5–3.3 7.03S–.08 129.4E–.10 5–23 4.2b,2.9s 27 12-151
ISCJB XI 17 08 41 41.1–2.6 7.08S–.09 129.3E–.10 1–18 4.3b,2.9s ¶12073838
IDC XI 17 08 41 42.4–1.6 6.97S 129.23E 0 4.1b,4.0
NEIC XI 17 08 41 48.5–1.3 7.09S 129.53E 35 3.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=14.7km az=15.8.
IDC Error ellipse: s-maj=45.0km s-min=26.5km az=98.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=17.8km az=97.0.
ISC XI 17 13 53 57.0–1.7 6.57S–.07 128.7E–.10 336–20 3.7b 34 12-71
IDC XI 17 13 53 55.2–2.8 6.47S 128.86E 315–26 3.2,3.1 ¶12073853
NEIC XI 17 13 53 56.5–2.1 6.54S 128.68E 330–28 4.1b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=48.6km s-min=11.9km az=71.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=10.5km az=225.0.
IDC XI 17 16 01 51.7–5.9 7.34S 129.16E 0 3.9b,3.6
¶12073873
IDC Error ellipse: s-maj=74.9km s-min=57.3km az=125.0.
IDC XI 17 18 36 51.1–1.8 6.80S 129.34E 0 3.9,3.8L
¶12073889
IDC Error ellipse: s-maj=75.5km s-min=25.7km az=71.0.
ISC XI 17 20 29 39.1–.87 7.08S–.05 129.26E–.07 43–14 3.5b 29 3-71
IDC XI 17 20 29 34.2–1.3 6.89S 129.01E 0 3.8,3.7L ¶12073902
ISCJB XI 17 20 29 36.6–2.7 7.11S–.05 129.17E–.06 33–22 3.5b,3.7L
NEIC XI 17 20 29 38.9–.91 6.93S 129.30E 35 3.1b,3.7L
DJA XI 17 20 29 44 3.13S 130.61E 10 3.6,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=89.1km s-min=22.0km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.7km az=6.5.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=12.6km az=68.0.
ISC XI 17 20 30 15.3–5.6 6.80S–.06 129.4E–.20 18–35 3.8b,3.3s 19 12-146
ISCJB XI 17 20 30 13.6–6.0 6.84S–.06 129.2E–.20 27–44 3.8b,3.3s ¶12073904
IDC XI 17 20 30 13.3–1.1 6.49S 129.65E 0 4.2L,4.0
NEIC XI 17 20 30 17.4–.84 6.64S 129.86E 35 4.2L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=9.6km az=174.3.
IDC Error ellipse: s-maj=60.1km s-min=22.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=54.5km s-min=13.6km az=72.0.
IDC XI 17 21 05 21.8–2.3 6.78S 129.16E 0 4.3,4.1L
¶12073914
IDC Error ellipse: s-maj=110.9km s-min=27.6km az=75.0.
ISC XI 17 23 06 59.8–.43 7.02S–.03 129.43E–.04 194–4 4.6b 201 3-151
MOS XI 17 23 06 52.7–.83 6.91S 129.34E 140 4.6b ¶11456759
NEIC XI 17 23 06 56.0–1.1 6.99S 129.37E 157–11 4.6b
BJI XI 17 23 06 56.7 7.49S 129.47E 221 5.1b,4.5b
IDC XI 17 23 06 57.6–2.0 6.91S 129.33E 170–19 4.2b,4.2
ISCJB XI 17 23 06 58.7–.42 7.05S–.03 129.43E–.04 203–4 4.6b,4.2
DJA XI 17 23 06 59 7.13S 129.50E 165 4.7b,4.2
ISC Event type se.
MOS Error ellipse: s-maj=16.0km s-min=6.6km az=114.9.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.6km az=50.0.
IDC Error ellipse: s-maj=15.0km s-min=8.3km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.3km az=152.3.
IDC XI 18 00 23 35.0–1.8 4.03S 130.14E 0 3.9,3.7
¶12073947
IDC Error ellipse: s-maj=84.6km s-min=24.6km az=75.0.
IDC XI 18 00 40 38.1–2.2 6.75S 129.38E 0 3.7,3.6
¶12073949
IDC Error ellipse: s-maj=88.6km s-min=28.2km az=76.0.
ISC XI 18 13 46 02.3–1.8 7.46S–.04 128.28E–.07 27–14 4.4b 62 3-151
ISCJB XI 18 13 45 59.8–1.7 7.47S–.04 128.24E–.07 24–13 4.4b ¶12074015
IDC XI 18 13 45 59.3–.62 7.40S 127.95E 0 4.5b,4.4
DJA XI 18 13 46 02 7.19S 128.09E 10 4.6b,4.4
NEIC XI 18 13 46 04.0–.40 7.43S 128.00E 35 4.6b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=5.7km az=163.8.
IDC Error ellipse: s-maj=34.0km s-min=13.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=8.3km az=78.0.
IDC XI 18 17 58 08.7–2.0 7.23S 129.21E 0 4.3,4.1L
¶12074028
IDC Error ellipse: s-maj=78.8km s-min=27.9km az=76.0.
IDC XI 18 18 06 42.8–2.2 5.70S 130.29E 0 4.0L,3.9
¶12074032
IDC Error ellipse: s-maj=94.6km s-min=27.6km az=77.0.
ISC XI 18 21 42 12.7–1.4 7.28S–.07 127.72E–.09 235–16 3.5b 42 6-152
ISCJB XI 18 21 42 10.2–1.4 7.16S–.06 127.81E–.08 224–15 3.5b ¶12074055
NEIC XI 18 21 42 11.0–1.8 7.15S 127.77E 213–20 4.2b
IDC XI 18 21 42 11.1–3.1 7.20S 127.79E 214–33 3.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=6.5km az=142.4.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.0km az=46.0.
IDC Error ellipse: s-maj=29.4km s-min=12.0km az=70.0.
IDC XI 19 12 07 11.8–4.2 6.16S 128.66E 359–45 3.1b,3.1
¶12074139
IDC Error ellipse: s-maj=67.8km s-min=14.0km az=70.0.
ISC XI 19 22 52 35.6–.94 7.04S–.07 129.44E–.10 35 3.7b 20 12-68
IDC XI 19 22 52 30.0–2.4 6.84S 129.34E 0 3.8,3.7L ¶12074202
ISCJB XI 19 22 52 33.3–.94 7.08S–.07 129.36E–.10 33 3.7b,3.7L
NEIC XI 19 22 52 41.0–2.7 7.29S 129.36E 109–29 4.4b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=104.7km s-min=28.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.6km az=158.6.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=15.5km az=212.0.
IDC XI 20 01 36 15.9–1.4 6.76S 126.92E 0 4.1L,4.1
¶12074220
IDC Error ellipse: s-maj=202.8km s-min=27.2km az=66.0.
IDC XI 21 15 58 35.9–5.7 6.90S 129.27E 161–56 3.2,3.0
¶12074404
IDC Error ellipse: s-maj=59.8km s-min=24.6km az=66.0.
IDC XI 21 16 11 28.4–11 7.52S 129.42E 106–126 3.3L,3.2
¶12074407
IDC Error ellipse: s-maj=74.5km s-min=49.2km az=16.0.
ISC XI 21 17 56 48.2–2.5 7.1S–.10 129.27E–.08 83–29 3.5b 24 11-71
NEIC XI 21 17 56 48.6–3.1 7.15S 129.19E 88–35 4.2b ¶12074421
IDC XI 21 17 56 49.4–11 7.17S 129.01E 95–123 3.8L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=18.5km az=211.0.
IDC Error ellipse: s-maj=80.7km s-min=60.9km az=34.0.
ISC XI 22 00 00 28.3–3.7 7.0S–.20 129.2E–.10 48–42 3.7b 22 12-72
IDC XI 22 00 00 22.3–1.5 6.94S 128.92E 0 3.7,3.6b ¶12074458
NEIC XI 22 00 00 23.8–.62 6.92S 129.01E 10 4.2b,3.6b
ISCJB XI 22 00 00 26.0–2.8 7.03S–.07 129.0E–.10 45–29 3.7b,3.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
NEIC XI 23 05 40 57.6–3.3 6.91S 129.14E 134–35 4.4b
IDC XI 23 05 41 05.4–5.6 7.30S 128.87E 219–58 3.2,3.1b ¶12074565
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=21.9km az=172.0.
IDC Error ellipse: s-maj=59.5km s-min=27.5km az=67.0.
ISC XI 23 07 19 31.7–1.3 7.72S–.06 129.35E–.08 179–14 3.9b 45 6-78
NEIC XI 23 07 19 18.4–.57 6.76S 129.96E 35 3.9b ¶12074571
IDC XI 23 07 19 27.1–3.3 7.22S 129.62E 122–28 4.0,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=6.9km az=71.0.
IDC Error ellipse: s-maj=60.6km s-min=16.9km az=66.0.
ISC XI 23 19 49 41.8–1.5 7.37S–.08 129.3E–.10 169–16 3.5b 27 6-72
IDC XI 23 19 49 25.2–1.2 6.55S 129.63E 0 4.0,3.9L ¶12074610
NEIC XI 23 19 49 38.2–2.4 6.99S 129.13E 112–25 3.4b,3.9L
ISCJB XI 23 19 49 42.7–2.1 7.38S–.10 129.4E–.10 202–25 3.4b,3.9L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 23 20 29 30.6–1.3 7.09S 128.21E 0 4.0,3.9b
¶12074612
IDC Error ellipse: s-maj=83.7km s-min=21.6km az=70.0.
IDC XI 24 17 27 02.3–2.6 5.47S 131.04E 0 3.8,3.7b
¶12074698
IDC Error ellipse: s-maj=124.5km s-min=27.7km az=78.0.
ISC XI 25 19 20 52.4–.54 7.02S–.04 129.48E–.06 164–6 4.3b 107 3-151
NEIC XI 25 19 20 49.6–1.4 6.96S 129.43E 136–14 4.3b ¶12074807
ISCJB XI 25 19 20 51.5–.54 7.01S–.03 129.45E–.06 172–6 4.3b
IDC XI 25 19 20 52.7–2.8 6.90S 129.45E 160–26 3.9,3.8
DJA XI 25 19 20 53 7.10S 129.45E 107 4.7b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.2km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=4.9km az=162.9.
IDC Error ellipse: s-maj=25.9km s-min=12.3km az=73.0.
ISC XI 25 22 54 04.3–3.3 7.5S–.10 128.0E–.10 69–36 3.4b 19 7-72
IDC XI 25 22 53 56.0–1.2 7.17S 128.07E 0 4.0L,3.9 ¶12074832
NEIC XI 25 22 54 08.7–2.9 7.65S 127.74E 113–31 2.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=88.1km s-min=20.1km az=71.0.
NEIC Event type se. Error ellipse: s-maj=34.7km s-min=23.4km az=69.0.
IDC XI 26 00 28 28.3–2.2 6.42S 129.74E 0 4.0,3.9L
¶12074841
IDC Error ellipse: s-maj=99.4km s-min=26.8km az=76.0.
ISC XI 26 00 43 35.8–.66 5.46S–.04 131.64E–.07 70–8 3.7b 52 1-85
IDC XI 26 00 43 27.7–1.9 5.22S 131.76E 0 4.7L,4.4 ¶12074843
NEIC XI 26 00 43 32.6–1.9 5.27S 131.78E 37–21 4.1b,4.4
ISCJB XI 26 00 43 34.4–.75 5.46S–.04 131.66E–.07 76–8 3.7b,4.4
DJA XI 26 00 43 37 5.26S 131.62E 73 4.8,4.4
ISC Event type se.
IDC Error ellipse: s-maj=81.8km s-min=24.2km az=78.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=13.1km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=5.5km az=159.5.
IDC XI 26 10 32 19.1–9.3 5.17S 129.40E 274–103 2.7b,2.6
¶12074886
IDC Error ellipse: s-maj=73.1km s-min=36.6km az=62.0.
ISC XI 26 11 13 16.4–1.9 6.16S–.06 128.8E–.10 358–23 3.4b 32 12-71
IDC XI 26 11 13 14.9–2.4 6.16S 128.64E 337–24 3.3,3.2b ¶12074889
NEIC XI 26 11 13 14.9–2.7 6.13S 128.68E 338–34 4.3b,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=37.8km s-min=9.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=11.5km az=219.0.
ISC XI 26 20 24 37.0–.67 6.47S–.04 125.21E–.05 49–12 3.5b 31 3-70
IDC XI 26 20 24 31.3–1.2 6.20S 125.33E 0 4.2L,4.0 ¶12074945
NEIC XI 26 20 24 32.5–.70 6.18S 125.54E 10 4.2b,4.0
DJA XI 26 20 24 34 6.24S 125.13E 10 4.1,4.0
ISCJB XI 26 20 24 35.6–.81 6.44S–.05 125.20E–.05 54–12 3.5b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 27 00 22 28.7–2.3 6.35S 129.59E 0 3.6,3.4
¶12074977
IDC Error ellipse: s-maj=95.6km s-min=29.3km az=76.0.
IDC XI 27 06 15 30.3–2.0 4.93S 128.63E 0 3.7,3.5L
¶12075002
IDC Error ellipse: s-maj=136.2km s-min=28.8km az=67.0.
ISC XI 27 11 59 51.5–1.8 6.19S–.07 128.9E–.10 334–23 3.4b 24 12-67
NEIC XI 27 11 59 43.0–3.6 5.86S 128.88E 226–45 3.4b ¶12075026
IDC XI 27 11 59 50.6–2.5 6.14S 128.76E 320–27 3.2,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=15.5km az=204.0.

IDC Error ellipse: s-maj=36.1km s-min=18.2km az=76.0.
ISC XI 27 14 47 35.7–.61 6.15S–.06 130.55E–.07 94–11 3.7b 29 2-72
IDC XI 27 14 47 26.0–1.9 5.74S 130.63E 0 4.1L,4.0 ¶12075039
NEIC XI 27 14 47 31.7–1.0 5.81S 130.44E 35 4.1L,4.0
ISCJB XI 27 14 47 35.2–.62 6.11S–.06 130.54E–.07 102–11 3.7b,4.0
DJA XI 27 14 47 39 5.54S 130.80E 125 3.6,4.0
ISC Event type se.
IDC Error ellipse: s-maj=76.2km s-min=24.4km az=75.0.
NEIC Event type se. Error ellipse: s-maj=37.4km s-min=10.5km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=7.6km az=141.3.
IDC XI 27 18 31 47.0–8.3 6.93S 126.60E 401–104 2.9b,2.9
¶12075057

IDC Error ellipse: s-maj=109.7km s-min=31.4km az=51.0.
IDC XI 27 18 33 04.6–2.1 6.96S 129.01E 0 3.7,3.5L
¶12075058

IDC Error ellipse: s-maj=69.5km s-min=26.3km az=80.0.
ISC XI 27 20 43 46.9–.25 7.26S–.03 126.55E–.03 445–3 4.5b 149 4-146
ISCJB XI 27 20 43 46.2–.25 7.22S–.03 126.57E–.03 456–3 4.6b ¶11479767
DJA XI 27 20 43 46.4–.20 7S–2.0 127E–2.0 440–3 5.2b,5.1
NEIC XI 27 20 43 46.4–.68 7.20S 126.56E 440–9 4.5b,5.1
IDC XI 27 20 43 47.2–1.6 7.20S 126.57E 445–20 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.0km az=40.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.5km az=64.0.
IDC Error ellipse: s-maj=22.1km s-min=7.8km az=68.0.
IDC XI 28 05 55 17.0–1.8 6.03S 130.22E 0 4.0b,3.9
¶12075115

IDC Error ellipse: s-maj=130.2km s-min=28.3km az=72.0.
ISC XI 29 10 54 06.1–.81 6.63S–.07 129.3E–.10 35 3.9b 16 12-71
IDC XI 29 10 54 01.4–1.5 6.38S 129.46E 0 3.9b,3.9 ¶12075250
NEIC XI 29 10 54 02.9–.86 6.41S 129.50E 10 4.4b,3.9
ISCJB XI 29 10 54 03.7–.81 6.66S–.07 129.2E–.10 33 3.9b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 29 23 43 49.4–2.2 7.38S 126.86E 0 4.2,4.1L
¶12075291

IDC Error ellipse: s-maj=217.1km s-min=32.7km az=63.0.
IDC XI 30 18 17 15.8–3.8 5.58S 131.68E 0 3.4,3.4s
¶12075353

IDC Error ellipse: s-maj=252.7km s-min=31.8km az=73.0.
IDC XII 01 03 37 49.5–4.6 6.45S 128.99E 266–46 3.7,3.4
¶12075380

IDC Error ellipse: s-maj=66.4km s-min=17.6km az=70.0.
ISC XII 01 12 44 17.6–1.6 6.8S–.10 130.7E–.10 35 18 12-68
IDC XII 01 12 44 12.7–2.3 6.72S 130.63E 0 4.2L,4.2 ¶12075408
NEIC XII 01 12 44 14.2–.98 6.75S 130.65E 10 4.2L,4.2
ISCJB XII 01 12 44 16.0–1.3 6.9S–.10 130.6E–.20 33 4.2L,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 01 14 33 01.2–1.6 6.68S 130.07E 0 4.1L,4.1
¶12075421

IDC Error ellipse: s-maj=75.2km s-min=24.2km az=71.0.
IDC XII 01 16 03 27.7–2.2 6.41S 129.73E 0 3.6,3.5L
¶12075428

IDC Error ellipse: s-maj=82.1km s-min=29.0km az=76.0.
IDC XII 02 10 57 19.8–4.9 6.74S 129.33E 178–47 3.1b,3.1
¶12075496

IDC Error ellipse: s-maj=56.3km s-min=21.0km az=69.0.
IDC XII 02 21 09 48.9–3.5 5.85S 129.06E 424–38 2.8b,2.5
¶12075548

IDC Error ellipse: s-maj=67.7km s-min=14.8km az=72.0.
IDC XII 02 22 14 43.4–1.7 7.46S 124.22E 0 3.9,3.7
¶12075552

IDC Error ellipse: s-maj=116.1km s-min=25.7km az=64.0.
IDC XII 03 00 58 27.9–10 6.74S 129.35E 216–121 2.8b,2.7
¶12075570

IDC Error ellipse: s-maj=72.4km s-min=49.1km az=36.0.
IDC XII 03 04 39 27.7–9.9 7.02S 129.60E 125–102 3.6L,3.4b
¶12075587

IDC Error ellipse: s-maj=68.1km s-min=40.4km az=49.0.
ISC XII 03 10 59 34.0–2.4 7.3S–.10 129.3E–.10 153–27 3.6b 33 11-72
NEIC XII 03 10 59 27.4–2.6 6.99S 129.26E 79–28 4.2b ¶12075603
IDC XII 03 10 59 30.1–7.3 7.11S 129.12E 105–73 4.0L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=13.4km az=202.0.
IDC Error ellipse: s-maj=67.2km s-min=22.6km az=46.0.
ISC XII 04 10 45 00.7–1.4 7.59S–.07 128.7E–.10 173–16 4.0b 39 9-131
NEIC XII 04 10 44 59.3–1.8 7.40S 128.66E 148–19 4.2b ¶12075731
IDC XII 04 10 45 00.6–2.4 7.35S 128.57E 156–22 3.8b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=10.4km az=61.0.
IDC Error ellipse: s-maj=29.7km s-min=14.2km az=75.0.
ISC XII 06 10 55 27.3–.09 7.47S–.01 124.70E–.01 406 6.0b 873 3-171
BJI XII 06 10 55 20.7 7.88S 125.19E 403 5.9b,5.8b ¶13402074
ISCJB XII 06 10 55 25.7–.09 7.45S–.01 124.76E–.01 405 6.0b,5.8b
NEIC XII 06 10 55 26.4–.08 7.39S 124.75E 398 6.4W,6.4W
IDC XII 06 10 55 27.7–.38 7.33S 124.85E 410–3 5.7b,5.7
BGS XII 06 10 55 27.0–1.9 7.40S 124.74E 405–0 6.1b,5.7
TEH XII 06 10 55 27.0 7.38S 124.74E 408 6.1b,5.7
MOS XII 06 10 55 27.0–1.1 7.33S 124.76E 408 6.1b,5.5s
DJA XII 06 10 55 27.0–.10 8S–2.0 125E–1.0 415–2 6.8,6.8
GCMT XII 06 10 55 31.5–.10 7.44S 124.84E 407–0 6.4W,6.8
ISC Event type se.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.6km az=39.4.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.7km az=54.0. Felt [II] at Atambua and Dili, Timor-Leste. Also felt on Alor, Indonesia. Depth from broadband displacement seismograms. Energy computed from CMT mechanism.
IDC Error ellipse: s-maj=7.2km s-min=4.5km az=64.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=7.9km s-min=4.8km az=115.6.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 108 sta. Moment Tensor Solution. s122,c304; s99,c211; Moment tensor: Scale 10^{18}Nm; M_{rr}-4.83±.03 $M_{\theta\theta}$3.50±.04; $M_{\phi\phi}$1.33±.04; $M_{r\theta}$-0.92±.04; $M_{\theta\phi}$0.12±.04; $M_{\phi r}$3.79±.03; Best double couple: NP1: ϕ_s266.00000°,δ35.00000°,λ-128.00000°. NP2:ϕ_s129.00000°,δ63.00000°,λ-67.00000°. Principal axes: T 3.7200,Plg15.0000°,Azm202.0000°; N 2.9900,Plg20.0000°,Azm298.0000° ; P -6.7100,Plg64.0000°,Azm79.0000° M_o5.20000×10^{18}
ISC XII 06 13 17 59.2–.53 6.90S–.04 130.63E–.05 91–6 4.8b 89 2-146
NEIC XII 06 13 17 54.8–.43 6.66S 130.55E 35 4.8b ¶12076030
IDC XII 06 13 17 55.4–5.1 6.63S 130.58E 39–45 4.8L,4.3
ISCJB XII 06 13 17 58.5–.58 6.83S–.04 130.60E–.05 100–7 4.8b,4.3
DJA XII 06 13 18 00 6.79S 130.65E 73 4.7b,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=6.8km az=73.0.
IDC Error ellipse: s-maj=47.4km s-min=19.6km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.0km az=154.8.
IDC XII 07 03 40 03.6–1.7 6.02S 130.40E 0 3.8b,3.8
¶12076105

IDC Error ellipse: s-maj=79.6km s-min=24.4km az=72.0.
NEIC XII 07 06 25 23.1–4.4 6.70S 129.79E 116–44 4.3b
IDC XII 07 06 25 10.6–1.9 6.17S 130.01E 0 4.3,4.2L ¶12076124
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=22.5km az=180.0.
IDC Error ellipse: s-maj=72.8km s-min=27.0km az=77.0.
ISC XII 08 03 30 24.2–3.6 7.6S–.10 128.3E–.20 152–37 3.6b 22 11-127
NEIC XII 08 03 30 19.0–4.1 7.24S 128.53E 96–40 3.6b ¶12076291
IDC XII 08 03 30 19.8–5.7 7.25S 128.54E 103–55 3.5b,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=56.1km s-min=19.9km az=55.0.
IDC Error ellipse: s-maj=81.2km s-min=23.6km az=63.0.
IDC XII 08 09 22 15.3–6.5 6.69S 129.84E 152–63 3.6b,3.4
¶12076337

IDC Error ellipse: s-maj=66.5km s-min=25.4km az=68.0.
ISC XII 08 22 52 37.0–1.6 7.49S–.08 129.04E–.10 113–17 4.1b 45 10-128
NEIC XII 08 22 52 35.4–1.4 7.24S 129.23E 99–14 4.0b ¶12076432
IDC XII 08 22 52 36.2–6.1 7.23S 129.19E 102–59 3.8,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=6.8km az=46.0.
IDC Error ellipse: s-maj=83.7km s-min=24.5km az=63.0.
IDC XII 09 05 22 52.0–2.3 6.07S 130.25E 0 3.7L,3.7
¶12076470

IDC Error ellipse: s-maj=99.1km s-min=28.0km az=77.0.
ISC XII 09 15 19 56.8–.69 7.19S–.06 129.6E–.10 149–7 4.1b 66 4-151
DJA XII 09 15 19 34 8.24S 131.16E 10 4.9b ¶12076558
IDC XII 09 15 19 51.7–4.5 6.85S 129.70E 90–40 4.0,3.9
NEIC XII 09 15 19 53.6–1.6 6.94S 129.53E 109–15 4.8b,3.9
ISCJB XII 09 15 19 56.3–.70 7.12S–.06 129.6E–.10 158–8 4.1b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 09 18 53 44.0–.69 7.89S–.05 127.93E–.10 154–10 3.8b 38 4-95
IDC XII 09 18 53 29.2–1.6 7.19S 127.72E 0 4.8L,4.5 ¶12076594
NEIC XII 09 18 53 38.1–2.7 7.49S 127.99E 87–29 4.4b,4.5
ISCJB XII 09 18 53 43.6–.73 7.84S–.05 127.91E–.09 166–10 3.8b,4.5
DJA XII 09 18 53 43 7.84S 127.78E 10 5.4b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=99.9km s-min=24.0km az=73.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=13.0km az=212.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=5.9km az=158.8.
IDC XII 11 02 39 14.5–10 6.96S 127.48E 250–116 3.2,3.0
¶12076835

IDC Error ellipse: s-maj=92.7km s-min=35.7km az=47.0.
IDC XII 11 03 39 42.3–2.0 6.71S 129.55E 0 4.0b,3.9
¶12076840

IDC Error ellipse: s-maj=113.2km s-min=30.6km az=68.0.
IDC XII 11 04 53 55.2–7.0 7.34S 128.75E 75–62 3.8,3.7L
¶12076844

IDC Error ellipse: s-maj=117.9km s-min=26.9km az=61.0.
ISC XII 11 19 44 20.2–1.6 7.01S–.06 127.7E–.10 310–19 3.8b 43 11-141
ISCJB XII 11 19 44 15.7–1.7 6.86S–.06 127.70E–.10 277–19 3.8b ¶12076983
IDC XII 11 19 44 19.6–3.1 6.95S 127.81E 306–34 3.5b,3.5
NEIC XII 11 19 44 19.3–1.8 6.94S 127.69E 302–20 4.7b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=9.2km az=160.5.
IDC Error ellipse: s-maj=23.7km s-min=11.6km az=76.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.3km az=64.0.
ISC XII 12 08 10 05.0–1.1 7.72S–.07 128.80E–.07 170–12 4.2b 70 7-151
IDC XII 12 08 09 59.5–3.4 7.39S 128.67E 107–32 4.0,4.0 ¶12077079
NEIC XII 12 08 09 59.9–1.6 7.46S 128.78E 113–15 4.5b,4.0
ISCJB XII 12 08 10 02.4–1.2 7.54S–.06 128.82E–.06 156–13 4.2b,4.0
DJA XII 12 08 10 09 8.08S 128.54E 208 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=14.3km az=66.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.8km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=6.3km az=43.2.
IDC XII 12 14 19 06.6–1.6 7.23S 128.31E 0 4.1,4.1L
¶12077137

IDC Error ellipse: s-maj=106.0km s-min=24.8km az=77.0.
ISC XII 12 21 07 27.5–2.6 7.5S–.10 128.5E–.20 86–32 14 9-151
IDC XII 12 21 07 16.9–2.2 6.99S 129.08E 0 3.6,3.5L ¶12077187
NEIC XII 12 21 07 22.6–1.0 7.12S 128.90E 35 3.6,3.5L
ISCJB XII 12 21 07 26.9–2.8 7.5S–.10 128.4E–.20 100–35 3.6,3.5L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 13 05 58 26.8–4.8 7.52S 126.65E 190–48 3.6,3.4
¶12077242

IDC Error ellipse: s-maj=66.9km s-min=15.4km az=60.0.
ISC XII 13 15 51 08.3–.63 7.01S–.04 129.63E–.08 120–8 3.9b 50 3-78
NEIC XII 13 15 51 04.5–2.1 6.66S 129.66E 77–23 4.3b ¶12077310
IDC XII 13 15 51 06.3–5.0 6.74S 129.62E 96–50 4.8s,4.8
ISCJB XII 13 15 51 08.0–.70 6.93S–.04 129.69E–.08 136–9 3.8b,4.8
DJA XII 13 15 51 09 6.58S 129.59E 235 4.2,4.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=11.9km az=212.0.
IDC Error ellipse: s-maj=42.7km s-min=16.7km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=5.7km az=159.9.
IDC XII 14 09 51 40.9–2.3 6.68S 129.85E 0 3.6b,3.5
¶12077431

IDC Error ellipse: s-maj=89.5km s-min=29.3km az=77.0.
ISC XII 14 14 07 37.0–.62 6.56S–.04 130.70E–.05 75–7 4.4b 74 2-151
IDC XII 14 14 07 28.6–.76 6.37S 130.52E 0 4.6L,4.2 ¶12077458
NEIC XII 14 14 07 34.0–1.8 6.44S 130.46E 37–18 4.2b,4.2
ISCJB XII 14 14 07 35.7–.64 6.59S–.03 130.76E–.05 90–8 4.4b,4.2
DJA XII 14 14 07 36 6.53S 130.89E 133 4.4,4.2
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=14.0km az=75.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.6km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.6km az=175.5.
IDC XII 15 02 42 32.7–2.4 5.68S 130.94E 0 3.9b,3.9
¶12077523

IDC Error ellipse: s-maj=112.1km s-min=27.1km az=78.0.
IDC XII 15 03 09 35.0–8.9 6.60S 129.64E 145–90 3.5b,3.5
¶12077527

IDC Error ellipse: s-maj=71.7km s-min=26.8km az=55.0.
DJA XII 15 04 58 34 4.23S 128.41E 25 3.8
¶12923417

IDC XII 15 13 07 06.9–15 6.48S 129.97E 160–165 3.3L,3.2
¶12077605

IDC Error ellipse: s-maj=121.6km s-min=57.6km az=42.0.
ISC XII 15 20 01 46.9–2.9 7.5S–.10 129.0E–.20 132–30 3.6b 24 11-128
NEIC XII 15 20 01 36.6–.83 6.75S 129.64E 35 4.2b ¶12077654
IDC XII 15 20 01 44.7–7.2 7.24S 129.26E 110–66 3.8,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=38.2km s-min=10.6km az=71.0.
IDC Error ellipse: s-maj=93.3km s-min=26.2km az=61.0.
ISC XII 15 21 45 38.7–1.1 6.61S–.07 127.5E–.10 427–17 3.4b 31 12-71
ISCJB XII 15 21 45 35.3–1.8 6.52S–.07 127.5E–.10 396–23 3.4b ¶12077668
NEIC XII 15 21 45 38.8–1.2 6.61S 127.51E 430–19 4.1b
IDC XII 15 21 45 39.1–2.7 6.58S 127.57E 430–34 3.1,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=7.7km az=150.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.1km az=220.0.
IDC Error ellipse: s-maj=32.3km s-min=12.2km az=72.0.
IDC XII 15 22 37 28.4–2.5 6.38S 130.74E 0 3.7b,3.5
¶12077674

IDC Error ellipse: s-maj=143.6km s-min=32.9km az=71.0.
ISC XII 15 23 15 18.4–2.3 6.65S–.09 130.20E–.10 120–25 3.9b 33 12-84
IDC XII 15 23 15 04.4–1.3 6.02S 130.68E 0 4.4L,4.3 ¶12077685
NEIC XII 15 23 15 12.1–2.0 6.41S 130.05E 46–22 3.6b,4.3
ISCJB XII 15 23 15 15.1–2.2 6.53S–.07 130.13E–.09 97–23 3.9b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 16 11 22 08.4–1.3 6.7S–.10 129.2E–.20 35 3.6b 12 12-68
IDC XII 16 11 22 03.2–2.2 6.62S 129.17E 0 3.8,3.6 ¶12077746
NEIC XII 16 11 22 04.8–1.1 6.62S 129.22E 10 3.8b,3.6
ISCJB XII 16 11 22 06.0–1.3 6.7S–.10 129.2E–.20 33 3.6b,3.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 16 19 28 11.9–1.9 7.92S 124.18E 0 3.5,3.4L

¶12077794
IDC Error ellipse: s-maj=196.5km s-min=31.0km az=58.0.
IDC XII 18 01 17 16.6–11 5.29S 128.96E 225–124 3.6,3.4
¶12077999
IDC Error ellipse: s-maj=71.9km s-min=36.1km az=46.0.
ISC XII 18 02 23 34.2–1.5 4.88S–.06 128.8E–.10 293–15 4.2b 54 13-127
ISCJB XII 18 02 23 29.5–2.0 4.69S–.08 128.9E–.10 259–20 4.2b ¶12078003
IDC XII 18 02 23 34.4–2.3 4.86S 128.66E 289–22 3.7,3.6b
NEIC XII 18 02 23 35.0–1.5 4.89S 128.65E 298–16 4.5b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=6.7km az=154.2.
IDC Error ellipse: s-maj=38.2km s-min=8.8km az=70.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=6.4km az=58.0.
ISC XII 18 07 07 17.4–1.6 7.84S–.07 127.58E–.07 181–18 4.4b 68 10-151
IDC XII 18 07 07 13.6–3.2 7.54S 127.59E 134–30 4.1,4.0 ¶12078022
NEIC XII 18 07 07 13.4–1.5 7.50S 127.72E 132–15 4.8b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=13.9km az=60.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.9km az=217.0.
NEIC XII 18 08 40 21.8–1.1 6.48S 130.10E 35
IDC XII 18 08 40 17.4–1.7 6.74S 129.30E 0 4.0L,4.0b ¶12078033
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=12.9km az=70.0.
IDC Error ellipse: s-maj=136.4km s-min=25.4km az=65.0.
NEIC XII 18 10 24 20.8–1.4 7.04S 129.26E 35
IDC XII 18 10 24 15.0–2.2 6.88S 129.45E 0 4.0,4.0L ¶12078043
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=17.5km az=67.0.
IDC Error ellipse: s-maj=103.4km s-min=27.5km az=76.0.
IDC XII 18 22 37 40.5–12 7.88S 128.06E 170–142 3.6L,3.1
¶12078114
IDC Error ellipse: s-maj=95.2km s-min=52.2km az=27.0.
ISC XII 19 09 37 40.3–3.2 6.9S–.20 129.6E–.10 86–31 4.1b 16 12-68
ISCJB XII 19 09 37 38.5–4.4 6.8S–.20 129.6E–.10 87–44 4.1b ¶12078181
IDC XII 19 09 37 39.6–6.8 6.82S 129.89E 94–70 4.4L,4.0
NEIC XII 19 09 37 40.3–3.2 6.90S 129.57E 87–31 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.9km s-min=22.8km az=163.3.
IDC Error ellipse: s-maj=69.2km s-min=40.0km az=85.0.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=19.0km az=173.0.
IDC XII 19 19 33 41.3–4.4 5.92S 129.21E 303–44 2.9,2.8
¶12078240
IDC Error ellipse: s-maj=61.4km s-min=14.3km az=72.0.
IDC XII 19 20 41 53.7–2.0 6.13S 130.42E 0 3.9,3.8b
¶12078248
IDC Error ellipse: s-maj=87.4km s-min=16.8km az=75.0.
ISC XII 20 11 19 52.3–2.2 7.2S–.10 129.6E–.20 58–24 3.9b 32 12-72
NEIC XII 20 11 19 46.7–.53 7.04S 129.57E 10 4.4b ¶12078316
IDC XII 20 11 19 54.4–5.1 7.30S 129.51E 83–54 4.4L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=7.3km az=73.0.
IDC Error ellipse: s-maj=45.7km s-min=24.8km az=59.0.
IDC XII 20 17 03 52.5–2.2 6.80S 130.01E 0 3.7b,3.6
¶12078357
IDC Error ellipse: s-maj=87.0km s-min=28.5km az=78.0.
ISC XII 20 20 44 41.8–.41 6.96S–.03 126.99E–.04 410–5 4.2b 129 3-100
BJI XII 20 20 44 34.5 7.74S 127.23E 419 4.7b,4.3b ¶11514984
ISCJB XII 20 20 44 40.8–.39 6.91S–.03 126.97E–.04 414–5 4.2b,4.3b
DJA XII 20 20 44 41 6.98S 127.00E 407 4.7b,4.3b
IDC XII 20 20 44 41.5–1.4 6.94S 126.97E 404–15 4.0,3.9b
NEIC XII 20 20 44 41.8–.70 6.91S 126.98E 411–9 4.4b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.0km az=159.3.
IDC Error ellipse: s-maj=16.2km s-min=8.3km az=74.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.9km az=58.0.
IDC XII 21 05 10 26.3–10 6.66S 128.56E 306–114 3.5,3.3
¶12078418
IDC Error ellipse: s-maj=102.1km s-min=28.9km az=49.0.
ISC XII 21 05 40 11.0–1.7 7.72S–.08 129.3E–.10 193–18 3.4b 26 11-73
IDC XII 21 05 39 52.2–1.7 6.84S 129.56E 0 4.2L,4.1 ¶12078419
NEIC XII 21 05 40 03.1–4.9 7.26S 129.35E 100–56 4.2L,4.1
ISCJB XII 21 05 40 08.7–2.6 7.6S–.10 129.3E–.10 183–30 3.5b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XII 22 02 28 58.6–10 7.41S 126.30E 206–118 3.7,3.5
¶12078511
IDC Error ellipse: s-maj=90.8km s-min=42.4km az=42.0.
ISC XII 23 13 28 42.0–.36 6.77S–.03 128.19E–.05 317–4 4.6b 124 3-152
ISCJB XII 23 13 28 40.9–.35 6.77S–.03 128.22E–.05 324–4 4.5b ¶11518364
IDC XII 23 13 28 41.5–1.3 6.77S 128.17E 311–12 4.3,4.3
DJA XII 23 13 28 42 6.88S 128.25E 268 5.1b,4.3
NEIC XII 23 13 28 42.3–.67 6.79S 128.12E 322–7 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.4km az=165.2.
IDC Error ellipse: s-maj=15.5km s-min=7.7km az=77.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.9km az=56.0.
IDC XII 24 01 18 00.9–2.3 6.66S 129.62E 0 3.9L,3.9
¶12078753
IDC Error ellipse: s-maj=104.8km s-min=28.0km az=76.0.
ISC XII 24 06 14 10.4–.37 6.90S–.05 125.34E–.08 535–5 4.4b 81 4-131
ISCJB XII 24 06 14 09.9–.38 6.84S–.05 125.30E–.08 545–5 4.4b ¶12078777
NEIC XII 24 06 14 09.9–.57 6.83S 125.39E 530–9 4.8b
IDC XII 24 06 14 10.3–1.2 6.86S 125.30E 534–15 3.7,3.6b
DJA XII 24 06 14 13 6.70S 125.14E 505 4.6b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=5.7km az=152.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=4.8km az=46.0.
IDC Error ellipse: s-maj=23.8km s-min=8.1km az=67.0.
ISC XII 25 04 28 49.5–3.5 4.1S–.40 128.7E–.10 65–13 3.6b 8 1-69
ISCJB XII 25 04 28 47.9–3.7 4.2S–.50 128.7E–.10 73–13 3.6b ¶12078883
DJA XII 25 04 28 51 3.97S 128.78E 30 3.3
IDC XII 25 04 28 55.9–13 7.07S 131.49E 365–172 3.0b,3.0
ISCJB Error ellipse: s-maj=82.3km s-min=17.7km az=8.7.
IDC Error ellipse: s-maj=266.1km s-min=47.0km az=80.0.
DJA XII 25 07 06 02 4.31S 130.78E 63 3.7
¶12923506
ISC XII 26 02 43 42.0–.55 4.73S–.05 127.26E–.04 46–9 3.8b,3.6s 40 1-75
ISCJB XII 26 02 43 40.4–.63 4.70S–.05 127.21E–.03 48–9 3.8b,3.6s ¶12078984
DJA XII 26 02 43 41 4.62S 127.32E 17 4.1,3.6s
IDC XII 26 02 43 45.6–4.7 4.89S 127.02E 81–49 3.8L,3.7
NEIC XII 26 02 43 45.8–1.9 4.94S 126.94E 84–21 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.4km az=176.7.
IDC Error ellipse: s-maj=42.9km s-min=17.1km az=41.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=7.8km az=224.0.
IDC XII 26 04 14 48.2–2.1 7.02S 129.17E 0 3.8L,3.8
¶12078992
IDC Error ellipse: s-maj=142.4km s-min=31.4km az=67.0.
ISC XII 26 09 43 48.3–1.4 6.7S–.10 129.3E–.30 35 14 12-68
IDC XII 26 09 43 42.6–2.2 6.52S 129.58E 0 3.7,3.6L ¶12079035
NEIC XII 26 09 43 44.8–1.5 6.61S 129.31E 10 3.7,3.6L
ISCJB XII 26 09 43 46.5–1.4 6.8S–.10 129.2E–.30 33 3.7,3.6L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 26 19 04 48.1–.86 7.2S–.30 127.8E–.50 35 3.3b 14 14-72
IDC XII 26 19 04 43.3–1.5 7.12S 127.68E 0 3.8L,3.7 ¶12079085
ISCJB XII 26 19 04 45.7–.88 7.1S–.30 128.0E–.50 33 3.3b,3.7
NEIC XII 26 19 04 48.0–.90 7.19S 127.79E 35 3.3b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=100.3km s-min=27.3km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=84.5km s-min=10.3km az=154.0.
NEIC Event type se. Error ellipse: s-maj=89.3km s-min=10.8km az=64.0.
IDC XII 26 19 20 56.6–10 6.78S 130.51E 368–125 2.5b,2.5
¶12079088
IDC Error ellipse: s-maj=86.4km s-min=47.1km az=69.0.
ISC XII 26 20 44 37.7–.27 7.05S–.04 123.53E–.05 650–3 4.3b 117 2-147
ISCJB XII 26 20 44 36.8–.26 7.07S–.04 123.52E–.05 665–4 4.3b ¶12079095
DJA XII 26 20 44 37 7.14S 123.50E 650 4.9
IDC XII 26 20 44 38.1–.74 7.02S 123.55E 655–10 3.6,3.6
NEIC XII 26 20 44 38.3–.46 7.01S 123.52E 658–6 4.4b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.5km az=149.1.
IDC Error ellipse: s-maj=16.6km s-min=6.6km az=64.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.1km az=58.0.
IDC XII 27 04 34 39.3–2.2 6.14S 129.43E 0 4.0b,3.9L
¶12079132
IDC Error ellipse: s-maj=155.8km s-min=29.8km az=68.0.
IDC XII 27 11 53 00.8–2.3 6.25S 129.16E 0 3.4L,3.4b
¶12079168
IDC Error ellipse: s-maj=154.1km s-min=31.7km az=68.0.
DJA XII 27 13 49 17 4.18S 129.91E 90 3.1
¶12923529
IDC XII 27 15 47 32.4–1.8 6.40S 130.06E 0 3.9,3.8b
¶12079188
IDC Error ellipse: s-maj=131.0km s-min=25.9km az=66.0.
ISC XII 27 16 08 12.4–.57 6.96S–.06 130.0E–.10 35 4.1b 37 12-151
IDC XII 27 16 08 06.3–.92 6.62S 130.60E 0 4.4L,4.3 ¶12079189
NEIC XII 27 16 08 11.7–1.6 6.75S 130.39E 36–15 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=49.2km s-min=19.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=8.8km az=53.0.
ISC XII 27 18 47 58.3–.60 7.72S–.05 127.37E–.08 35 3.6b 30 10-77
IDC XII 27 18 47 52.4–1.5 7.45S 127.75E 0 3.9,3.8L ¶12079202
ISCJB XII 27 18 47 56.4–.59 7.76S–.05 127.35E–.08 33 3.6b,3.8L
NEIC XII 27 18 47 57.9–.73 7.62S 127.60E 35 3.4b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=77.0km s-min=23.5km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.7km az=166.4.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=8.8km az=63.0.
ISC XII 28 12 12 18.3–.51 5.69S–.05 127.93E–.09 387–6 3.5b 36 2-70
NEIC XII 28 12 12 15.6–2.6 5.60S 127.75E 353–34 4.2b ¶12079275
ISCJB XII 28 12 12 17.3–.54 5.68S–.05 127.90E–.09 395–7 3.5b
IDC XII 28 12 12 18.8–3.0 5.69S 127.81E 395–36 3.5,3.4
DJA XII 28 12 12 22 5.31S 128.05E 371 3.3,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=13.8km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=7.8km az=164.4.
IDC Error ellipse: s-maj=40.3km s-min=9.9km az=76.0.
IDC XII 28 18 57 15.8–2.0 6.64S 128.52E 0 3.7L,3.6
¶12079290
IDC Error ellipse: s-maj=132.2km s-min=30.6km az=66.0.
ISC XII 29 05 35 09.1–3.4 7.2S–.20 128.8E–.20 276–42 3.7b 17 11-72
NEIC XII 29 05 34 52.2–5.8 6.24S 129.17E 85–61 3.7b ¶12079362
IDC XII 29 05 34 53.5–13 6.31S 129.31E 105–141 3.6b,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=51.8km s-min=23.8km az=217.0.
IDC Error ellipse: s-maj=97.6km s-min=51.3km az=38.0.
IDC XII 29 10 13 17.6–1.7 6.81S 128.70E 0 3.6b,3.6
¶12079388
IDC Error ellipse: s-maj=90.3km s-min=25.1km az=76.0.
IDC XII 29 22 45 03.4–1.8 7.78S 125.53E 0 3.8,3.7L
¶12079460
IDC Error ellipse: s-maj=185.0km s-min=30.9km az=60.0.
ISC XII 30 10 04 23.3–.51 5.96S–.04 129.84E–.05 161–6 4.2b 64 3-125
ISCJB XII 30 10 04 22.2–.51 5.97S–.04 129.84E–.05 170–6 4.2b ¶12079527
NEIC XII 30 10 04 22.6–1.9 5.92S 129.75E 156–21 4.4b
DJA XII 30 10 04 24 5.88S 130.00E 150 4.6
IDC XII 30 10 04 25.1–.85 5.89S 129.77E 180–8 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.0km az=149.9.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.4km az=224.0.
IDC Error ellipse: s-maj=19.6km s-min=12.0km az=68.0.
ISC XII 30 12 52 06.3–5.6 4.74S–.05 127.50E–.08 11–41 20 1-65
ISCJB XII 30 12 52 03.6–3.5 4.77S–.05 127.40E–.06 3–25 ¶12079553
IDC XII 30 12 52 06.7–1.5 4.88S 127.46E 0 3.9,3.8
DJA XII 30 12 52 07 4.64S 127.30E 37 3.2,3.8
NEIC XII 30 12 52 11.4–.96 4.95S 127.37E 35 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.9km az=26.5.
IDC Error ellipse: s-maj=38.0km s-min=24.9km az=47.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=11.3km az=216.0.
IDC XII 30 15 30 20.1–12 5.25S 129.39E 211–131 3.4,3.2
¶12079564
IDC Error ellipse: s-maj=102.0km s-min=31.2km az=49.0.
ISC XII 30 18 25 36.7–.85 6.78S–.09 130.0E–.20 35 3.4b 22 12-98
IDC XII 30 18 25 32.1–1.2 6.76S 129.80E 0 4.3L,4.0 ¶12079575
NEIC XII 30 18 25 33.1–.61 6.71S 130.03E 10 3.7b,4.0
ISCJB XII 30 18 25 34.4–.85 6.77S–.09 130.0E–.20 33 3.4b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
NEIC XII 31 11 14 36.6–2.5 4.44S 128.90E 35 3.9b
IDC XII 31 11 14 31.8–2.3 4.46S 128.70E 0 3.9,3.8L ¶12079650
NEIC Event type se. Error ellipse: s-maj=266.0km s-min=13.6km az=67.0.
IDC Error ellipse: s-maj=174.5km s-min=29.1km az=68.0.
IDC XII 31 17 40 36.4–2.0 6.40S 129.87E 0 3.5,3.4L
¶12079681
IDC Error ellipse: s-maj=89.6km s-min=30.9km az=69.0.
IDC XII 31 18 07 31.0–2.1 6.44S 129.47E 0 3.5,3.4
¶12079683
IDC Error ellipse: s-maj=92.9km s-min=27.7km az=76.0.
IDC XII 31 18 35 57.3–2.1 6.78S 128.92E 0 3.7,3.5
¶12079685
IDC Error ellipse: s-maj=90.1km s-min=28.1km az=75.0.

(281) Tanimbar Islands region.

ISC VII 02 19 24 39.1–.24 6.54S–.03 131.10E–.03 106 4.7b 198 2-150
MOS VII 02 19 24 33.6–.85 6.12S 130.95E 47 4.9b ¶11006861
BJI VII 02 19 24 34.9 6.30S 130.80E 53 4.8b,4.8b
ISCJB VII 02 19 24 37.2–.23 6.50S–.03 131.11E–.03 104 4.7b,4.8b
DJA VII 02 19 24 38 6.31S 131.18E 104 5.1b,4.8b
NEIC VII 02 19 24 41.0–.42 6.32S 130.85E 103 4.6b,4.8b
IDC VII 02 19 24 41.8–.66 6.16S 130.96E 102–5 4.3,4.3
ISC Event type se.
MOS Error ellipse: s-maj=16.0km s-min=8.2km az=117.4.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=4.0km az=44.3.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.3km az=65.0.
IDC Error ellipse: s-maj=18.8km s-min=11.6km az=75.0.
IDC VII 04 16 54 47.1–2.2 7.38S 130.42E 0 3.3b,3.3
¶12698007
IDC Error ellipse: s-maj=122.1km s-min=31.9km az=69.0.
ISC VII 07 09 09 33.2–.72 7.27S–.07 131.2E–.20 35 4.0b 14 6-73
IDC VII 07 09 09 27.9–1.3 7.26S 131.28E 0 4.0b,4.0 ¶11810866
NEIC VII 07 09 09 29.6–.72 7.25S 131.28E 10 4.0b,4.0
ISCJB VII 07 09 09 30.7–.72 7.31S–.07 131.2E–.20 33 4.0b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 08 20 23 24.6–3.8 7.87S–.05 130.29E–.07 1–24 4.3b 32 3-150
IDC VII 08 20 23 25.4–.79 7.84S 130.04E 0 5.2L,4.2 ¶11811012
NEIC VII 08 20 23 25.7–.50 7.93S 130.17E 10 4.3b,4.2
DJA VII 08 20 23 32 7.95S 130.15E 107 4.8b,4.2

ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=16.5km az=84.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=8.5km az=80.0.
ISC VII 29 03 07 43.1–.56 6.84S–.04 132.17E–.05 46–7 4.2b 54 1-149
IDC VII 29 03 07 37.1–.73 6.64S 131.85E 0 4.3,4.2L ¶11153907
ISCJB VII 29 03 07 41.2–.66 6.89S–.03 132.14E–.05 50–9 4.2b,4.2L
NEIC VII 29 03 07 41.9–.55 6.74S 131.94E 35 4.5b,4.2L
DJA VII 29 03 07 44 6.80S 132.11E 50 5.2b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=16.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.7km az=174.9.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.8km az=73.0.
ISC VIII 09 17 30 02.9–2.2 6.4S–.10 131.06E–.09 72–26 4.0b 27 6-91
IDC VIII 09 17 29 54.1–2.1 6.12S 131.30E 0 4.8L,3.9 ¶11908004
NEIC VIII 09 17 30 04.9–1.8 6.42S 131.09E 96–21 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=78.8km s-min=28.5km az=83.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=10.7km az=190.0.
ISC VIII 11 22 32 40.2–.43 7.14S–.03 130.14E–.04 121–4 4.8b 107 3-151
BJI VIII 11 22 32 26.3 7.18S 130.23E 26 4.9b,4.8b ¶11163375
IDC VIII 11 22 32 27.2–.62 6.88S 130.04E 0 4.8L,4.6
NEIC VIII 11 22 32 35.2–.73 6.95S 130.01E 66–6 4.8b,4.6
ISCJB VIII 11 22 32 39.1–.45 7.14S–.03 130.13E–.04 128–5 4.7b,4.6
DJA VIII 11 22 32 41 7.19S 130.22E 102 5.0b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=14.2km az=73.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.9km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.1km az=161.3.
IDC VIII 16 06 55 11.4–2.4 6.64S 131.11E 0 4.3,4.1L
¶12581122
IDC Error ellipse: s-maj=137.8km s-min=31.5km az=72.0.
ISC VIII 21 07 41 54.3–.50 6.31S–.04 131.61E–.05 80–6 4.1b 57 1-150
IDC VIII 21 07 41 45.0–.72 6.09S 131.75E 0 5.0L,4.4 ¶11908529
NEIC VIII 21 07 41 50.9–.56 6.11S 131.53E 35 4.3b,4.4
ISCJB VIII 21 07 41 52.9–.57 6.30S–.04 131.58E–.05 81–7 4.1b,4.4
DJA VIII 21 07 41 55 6.19S 131.64E 74 4.9b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=35.6km s-min=16.0km az=81.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.2km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.5km az=156.4.
ISC VIII 23 15 11 42.5–2.2 7.02S–.09 130.4E–.10 69–23 4.0b 36 6-150
IDC VIII 23 15 11 33.9–.67 6.83S 130.56E 0 4.8L,4.0 ¶11908647
NEIC VIII 23 15 11 42.5–1.5 6.96S 130.39E 69–15 4.3b,4.0
ISCJB VIII 23 15 11 43.2–1.8 7.03S–.07 130.5E–.10 95–19 4.0b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 24 03 31 14.2–11 7.83S 130.05E 162–88 3.4b,3.4
¶12581330
IDC Error ellipse: s-maj=81.7km s-min=73.3km az=134.0.
ISC IX 06 23 02 05.5–.51 7.41S–.03 131.03E–.05 67–5 4.8b 187 2-150
BJI IX 06 23 01 55.4 8.00S 131.21E 35 5.0b,4.9b ¶11232810
IDC IX 06 23 01 57.8–.46 7.21S 130.85E 0 4.9L,4.6b
MOS IX 06 23 02 01.3–1.2 7.23S 130.76E 33 5.1b,4.6b
NEIC IX 06 23 02 02.7–.21 7.31S 130.87E 35 4.8b,4.6b
TEH IX 06 23 02 03.0 7.35S 130.84E 35 4.8b,4.6b
ISCJB IX 06 23 02 04.1–.57 7.42S–.03 131.09E–.04 73–5 4.8b,4.6b
DJA IX 06 23 02 07 7.47S 131.10E 55 5.2b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=11.8km az=80.0.
MOS Error ellipse: s-maj=15.3km s-min=6.9km az=118.7.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.7km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=155.7.
IDC IX 08 19 53 37.2–2.2 7.04S 130.75E 0 3.8b,3.7
¶11909839
IDC Error ellipse: s-maj=82.6km s-min=28.3km az=79.0.
ISC IX 12 09 37 32.3–.51 7.02S–.03 130.62E–.06 101–6 4.3b 57 3-150
BJI IX 12 09 37 23.7 6.80S 130.60E 35 4.7b,4.6b ¶11265530
NEIC IX 12 09 37 25.8–.32 6.81S 130.58E 35 4.5b,4.6b
IDC IX 12 09 37 27.1–3.0 6.86S 130.56E 47–31 4.8L,4.3
ISCJB IX 12 09 37 31.0–.53 7.04S–.03 130.62E–.06 109–6 4.3b,4.3
DJA IX 12 09 37 33 6.93S 130.57E 100 5.1b,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.8km az=73.0.
IDC Error ellipse: s-maj=24.9km s-min=13.9km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.4km az=169.4.
ISC IX 13 05 24 53.5–3.9 8.25S–.06 130.6E–.10 7–25 4.1b 22 5-84
ISCJB IX 13 05 24 51.5–3.4 8.31S–.06 130.5E–.10 7–22 4.1b ¶11910157
IDC IX 13 05 24 52.1–1.2 8.15S 130.58E 0 4.2,4.1L
NEIC IX 13 05 24 57.1–.47 8.26S 130.65E 35 4.2b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=9.4km az=0.8.
IDC Error ellipse: s-maj=63.0km s-min=19.4km az=72.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=7.6km az=66.0.
IDC IX 16 14 37 05.9–2.2 7.83S 130.74E 0 3.4b,3.3
¶11910405
IDC Error ellipse: s-maj=128.0km s-min=31.8km az=70.0.
IDC IX 21 10 45 00.6–1.9 8.50S 130.31E 0 4.0b,3.9
¶11910761
IDC Error ellipse: s-maj=76.8km s-min=26.2km az=94.0.
IDC IX 21 15 56 52.6–2.1 7.10S 130.77E 0 3.9b,3.7
¶11910769
IDC Error ellipse: s-maj=81.9km s-min=27.4km az=79.0.
ISC IX 25 10 19 27.6–1.7 8.38S–.09 130.6E–.10 39–22 4.0b 16 5-70
IDC IX 25 10 19 21.8–1.6 8.16S 130.73E 0 4.1b,4.1 ¶11911007
ISCJB IX 25 10 19 26.7–1.9 8.45S–.08 130.5E–.10 61–24 4.0b,4.1
NEIC IX 25 10 19 27.1–1.4 8.32S 130.59E 35 4.0b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=65.2km s-min=24.5km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=10.7km az=152.1.
NEIC Event type se. Error ellipse: s-maj=30.5km s-min=12.3km az=52.0.
ISC X 03 14 09 58.9–2.0 7.50S–.09 130.49E–.08 136–22 3.6b 27 6-69
IDC X 03 14 09 54.4–8.3 7.29S 130.54E 87–93 4.2L,3.8 ¶12065784
ISCJB X 03 14 09 57.1–1.8 7.38S–.07 130.65E–.09 138–20 3.6b,3.8
NEIC X 03 14 09 58.5–3.4 7.42S 130.61E 133–39 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=50.5km s-min=38.7km az=18.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=10.7km az=1.9.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=22.4km az=161.0.
IDC X 09 23 56 52.8–2.6 6.51S 131.64E 0 3.8,3.8L
¶12066470
IDC Error ellipse: s-maj=107.8km s-min=28.8km az=80.0.
IDC X 16 13 41 29.0–7.9 6.68S 131.33E 167–65 3.5,3.4b
¶12068773
IDC Error ellipse: s-maj=75.2km s-min=56.0km az=96.0.
ISC X 17 00 11 31.4–.54 6.84S–.05 131.85E–.08 35 3.8b 32 6-131
IDC X 17 00 11 27.7–1.6 6.84S 131.27E 0 4.1,4.0L ¶12068846
ISCJB X 17 00 11 29.0–.54 6.84S–.05 131.88E–.08 33 3.8b,4.0L
NEIC X 17 00 11 31.4–.47 6.78S 131.84E 35 3.7b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=116.6km s-min=19.7km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.3km az=160.2.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=7.7km az=70.0.
IDC X 18 13 32 35.3–9.9 6.98S 131.36E 68–110 3.8L,3.6
¶12068976
IDC Error ellipse: s-maj=74.3km s-min=48.8km az=63.0.
IDC X 22 02 30 33.5–2.9 8.21S 130.82E 0 3.8b,3.8
¶12070772
IDC Error ellipse: s-maj=131.1km s-min=37.5km az=87.0.
IDC X 25 16 21 22.0–17 6.91S 131.13E 102–179 3.1,3.0L
¶12071085

IDC Error ellipse: s-maj=132.6km s-min=58.5km az=37.0.
IDC XI 04 05 41 39.0–3.9 6.50S 131.15E 0 3.7,3.5L
¶12072215
IDC Error ellipse: s-maj=290.6km s-min=31.4km az=72.0.
ISC XI 07 14 03 53.0–2.3 6.28S–.09 131.7E–.10 128–24 3.3b 22 6-72
IDC XI 07 14 03 38.6–2.3 5.61S 132.11E 0 3.9L,3.9 ¶12072690
NEIC XI 07 14 03 47.9–4.7 5.92S 131.94E 79–48 3.9L,3.9
ISCJB XI 07 14 03 52.5–2.1 6.20S–.08 131.7E–.10 146–22 3.3b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 14 17 40 12.3–.47 7.22S–.04 130.05E–.04 141–5 4.2b 72 3-151
BJI XI 14 17 40 00.5 7.42S 130.22E 72 4.8b,4.6s ¶11473030
IDC XI 14 17 40 06.0–5.3 6.85S 129.91E 61–46 4.8L,4.2
NEIC XI 14 17 40 07.3–1.5 6.91S 129.99E 84–14 4.3b,4.2
ISCJB XI 14 17 40 11.4–.46 7.21S–.03 130.08E–.04 152–5 4.2b,4.2
DJA XI 14 17 40 13 7.21S 130.05E 66 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=73.3km s-min=19.3km az=61.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=6.6km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.5km az=158.1.
ISC XI 29 16 24 10.0–.37 6.32S–.03 132.10E–.04 35 3.8b 51 1-72
IDC XI 29 16 24 06.8–1.2 6.23S 131.76E 0 4.3L,4.1 ¶12075270
ISCJB XI 29 16 24 08.2–.39 6.28S–.03 132.10E–.04 33 3.8b,4.1
DJA XI 29 16 24 11 5.93S 132.25E 66 4.5,4.1
NEIC XI 29 16 24 13.4–.75 6.46S 131.73E 60 4.0b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=52.5km s-min=20.7km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.9km az=157.5.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=11.0km az=65.0.
IDC XII 08 07 38 06.2–2.2 8.12S 130.12E 0 3.7,3.6b
¶12076317
IDC Error ellipse: s-maj=119.5km s-min=32.6km az=68.0.
ISC XII 16 06 02 48.5–.66 6.34S–.07 131.44E–.08 84–20 19 1-68
IDC XII 16 06 02 46.1–2.3 6.71S 130.60E 0 4.5L,4.4 ¶12077721
DJA XII 16 06 02 50 6.16S 131.57E 103 4.4,4.4
IDC Error ellipse: s-maj=134.2km s-min=31.4km az=70.0.

(282) South of Jawa.

ISC VII 02 13 24 51.6–.76 10.56S–.04 113.33E–.03 42–7 4.1b,3.4s 69 2-148
IDC VII 02 13 24 45.6–.71 10.44S 113.64E 0 4.5L,4.1 ¶11799265
NEIC VII 02 13 24 47.3–.50 10.43S 113.58E 10 4.2b,4.1
ISCJB VII 02 13 24 51.4–.84 10.51S–.05 113.32E–.03 59–8 4.1b,3.4s
DJA VII 02 13 24 53 10.31S 113.35E 108 4.5,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=9.9km az=48.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=8.9km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.9km az=11.6.
IDC VII 03 07 30 29.9–3.2 9.00S 107.70E 0 3.9,3.7b
¶12697963
IDC Error ellipse: s-maj=155.0km s-min=22.2km az=52.0.
ISC VII 04 11 07 46.6–1.6 8.26S–.04 105.35E–.04 11–10 4.6b,4.0s 79 2-151
ISCJB VII 04 11 07 44.6–1.4 8.33S–.04 105.33E–.04 14–9 4.6b,4.0s ¶11479846
IDC VII 04 11 07 45.0–.91 8.12S 105.52E 0 4.4,4.3
BJI VII 04 11 07 47.6 8.30S 105.30E 35 4.9b,4.9b
DJA VII 04 11 07 48 8.22S 105.30E 30 4.6,4.9b
NEIC VII 04 11 07 49.7–.38 8.28S 105.32E 35 4.4b,4.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=44.0.
IDC Error ellipse: s-maj=35.2km s-min=14.9km az=57.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=7.9km az=51.0.
ISC VII 04 14 01 28.3–2.8 8.29S–.06 105.39E–.08 24–21 3.9b 32 2-146
IDC VII 04 14 01 24.8–2.2 8.33S 105.43E 0 3.9,3.8b ¶11810615
ISCJB VII 04 14 01 27.0–1.5 8.37S–.08 105.31E–.08 34–12 3.9b,3.8b
NEIC VII 04 14 01 27.4–1.2 8.83S 104.90E 35 4.0b,3.8b
DJA VII 04 14 01 30 8.13S 105.14E 29 3.9,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=88.1km s-min=17.8km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=11.5km az=135.4.
NEIC Event type se. Error ellipse: s-maj=55.5km s-min=12.2km az=57.0.
ISC VII 07 19 45 22.5–4.3 9.1S–.10 109.0E–.10 12–28 4.5b,3.8s 36 19-146
IDC VII 07 19 45 20.9–.89 8.96S 109.08E 0 4.3b,4.3 ¶11479896
NEIC VII 07 19 45 24.6–.70 8.96S 109.07E 25 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=14.4km az=51.0.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=7.5km az=50.0.
DJA VII 10 00 45 35 9.21S 107.23E 40 4.2
¶12921822
IDC VII 10 10 46 22.1–3.4 9.35S 107.28E 0 3.9,3.8b
¶12698117
IDC Error ellipse: s-maj=136.9km s-min=26.9km az=47.0.
DJA VII 10 12 28 37 10.59S 112.43E 30 4.0
¶12921833
ISC VII 10 21 09 16.0–3.2 9.39S–.07 107.02E–.08 17–20 3.9b 41 3-76
IDC VII 10 21 09 13.4–2.1 9.36S 107.05E 0 4.0,3.9b ¶11811207
ISCJB VII 10 21 09 14.1–2.5 9.42S–.07 107.00E–.08 20–17 3.9b,3.9b
NEIC VII 10 21 09 18.5–.31 9.37S 107.07E 35 4.1b,3.9b
DJA VII 10 21 09 20 9.14S 107.15E 60 4.2,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=93.4km s-min=16.4km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=7.1km az=141.2.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.1km az=57.0.
ISC VII 11 06 51 41.7–.42 9.54S–.03 107.62E–.03 40–3 5.5b,4.8s 434 2-178
IDC VII 11 06 51 35.5–.37 9.50S 107.71E 0 5.4,5.4 ¶11109047
BJI VII 11 06 51 36.2 9.50S 107.60E 15 5.4b,5.2b
NEIC VII 11 06 51 38.2–2.4 9.52S 107.62E 16–14 5.5b,4.8s
MOS VII 11 06 51 39.6–1.2 9.47S 107.59E 33 5.7b,4.7s
ISCJB VII 11 06 51 40.4–.45 9.49S–.03 107.64E–.03 45–3 5.5b,4.8s
DJA VII 11 06 51 40 9.57S 107.51E 20 5.7W,4.8s
GCMT VII 11 06 51 41.7–.20 9.76S 107.53E 18–0 5.3W,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=11.3km az=64.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.2km az=54.0.
MOS Error ellipse: s-maj=10.1km s-min=5.6km az=113.5.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.9km az=36.3.
GCMT Event type se. Data Used: IU II IC G CN. Surface waves: sta= 84, comp=157, per= 50. Moment Tensor Solution. s76,c121; s28,c29; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s123.00000°,δ33.00000°,λ-78.00000°. NP2:ϕ_s289.00000°,δ58.00000°,λ-98.00000°. Principal axes: T 1.3200,Plg13.0000°,Azm24.0000°; N -0.2600,Plg6.0000°,Azm293.0000°; P -1.0500,Plg76.0000°,Azm176.0000° $M_0$1.20000×10^{17}
ISC VII 11 18 50 24.2–.42 8.30S–.05 105.41E–.05 35 4.4b,3.4s 67 2-146
BJI VII 11 18 50 12.7 9.08S 105.82E 10 4.8b,4.7b ¶11479954
IDC VII 11 18 50 19.2–1.2 8.27S 105.41E 0 4.3,4.1
DJA VII 11 18 50 20 8.38S 105.29E 10 4.6,4.1
ISCJB VII 11 18 50 21.7–.43 8.35S–.05 105.41E–.05 33 4.4b,3.4s
NEIC VII 11 18 50 23.5–.36 8.38S 105.39E 35 4.3b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=14.4km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.7km az=39.6.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.7km az=50.0.
ISC VII 13 03 58 25.0–1.9 8.35S–.04 105.33E–.05 10–12 4.1b 49 2-146
ISCJB VII 13 03 58 23.6–1.7 8.42S–.04 105.32E–.05 16–12 4.1b ¶11811433
DJA VII 13 03 58 26 8.36S 105.28E 29 4.5
IDC VII 13 03 58 28.5–.79 8.38S 105.27E 34–4 3.9,3.8
NEIC VII 13 03 58 28.4–.37 8.39S 105.31E 35 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.4km az=146.7.
IDC Error ellipse: s-maj=31.8km s-min=11.2km az=53.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=6.3km az=52.0.
ISC VII 13 05 23 32.5–3.8 8.30S–.08 105.41E–.09 17–25 3.6b 15 2-146

IDC VII 13 05 23 30.4–4.4 8.23S 105.45E 0 3.8,3.7b ¶12698181
ISCJB VII 13 05 23 32.2–2.2 8.4S–.10 105.36E–.08 34–17 3.6b,3.7b
DJA VII 13 05 23 36 8.17S 103.69E 40 3.8,3.7b
IDC Error ellipse: s-maj=180.4km s-min=27.8km az=49.0.
ISCJB Error ellipse: s-maj=18.3km s-min=13.1km az=178.3.
DJA VII 14 18 00 32 9.06S 110.47E 10 3.6
¶12921894
ISC VII 19 04 48 13.2–1.3 9.25S–.10 107.94E–.06 51–11 4.1b 29 2-81
IDC VII 19 04 48 06.2–1.0 9.24S 107.85E 0 4.0b,4.0 ¶11812018
NEIC VII 19 04 48 10.9–.54 9.22S 107.89E 31 4.3b,4.0
ISCJB VII 19 04 48 12.5–1.3 9.2S–.10 107.98E–.06 63–11 4.1b,4.0
DJA VII 19 04 48 13 9.20S 107.97E 60 4.3,4.0
ISC Event type se.
IDC Error ellipse: s-maj=48.8km s-min=16.3km az=55.0.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=7.7km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=8.4km az=20.9.
ISC VII 29 20 50 38.7–2.9 9.52S–.07 111.88E–.06 6–22 3.8b 21 1-67
IDC VII 29 20 50 34.6–4.3 9.56S 111.36E 0 3.9,3.8b ¶12698490
ISCJB VII 29 20 50 38.2–2.7 9.57S–.07 111.87E–.05 15–26 3.8b,3.8b
DJA VII 29 20 50 39 9.56S 111.89E 15 4.1,3.8b
IDC Error ellipse: s-maj=297.2km s-min=22.1km az=52.0.
ISCJB Error ellipse: s-maj=12.1km s-min=8.0km az=27.7.
DJA VII 30 21 32 08 9.47S 113.90E 25 3.5
¶12922133
ISC VIII 03 18 54 55.1–1.2 9.7S–.10 112.77E–.05 53–11 3.9b 21 2-68
IDC VIII 03 18 54 47.9–4.4 9.74S 112.68E 0 3.9b,3.9 ¶12580913
ISCJB VIII 03 18 54 54.0–1.2 9.7S–.10 112.77E–.05 66–11 3.8b,3.9
DJA VIII 03 18 54 56 9.37S 112.83E 9 4.2,3.9
IDC Error ellipse: s-maj=184.0km s-min=42.7km az=46.0.
ISCJB Error ellipse: s-maj=17.2km s-min=7.8km az=7.2.
ISC VIII 13 16 45 20.0–2.3 9.51S–.06 107.55E–.05 34–19 3.4b 22 2-70
IDC VIII 13 16 45 16.9–3.5 9.00S 108.02E 0 3.7,3.5b ¶12581059
ISCJB VIII 13 16 45 18.6–1.3 9.52S–.08 107.56E–.05 43–13 3.4b,3.5b
DJA VIII 13 16 45 19 9.41S 107.59E 20 4.0,3.5b
IDC Error ellipse: s-maj=182.6km s-min=18.0km az=47.0.
ISCJB Error ellipse: s-maj=14.1km s-min=7.8km az=21.6.
ISC VIII 15 01 24 09.6–1.3 10.74S–.07 107.65E–.07 61–10 4.2b 50 3-153
IDC VIII 15 01 24 00.6–.78 10.89S 107.48E 0 4.2,4.1b ¶11652935
BJI VIII 15 01 24 01.1 10.90S 107.50E 10 4.7b,4.6b
NEIC VIII 15 01 24 02.2–.57 10.93S 107.49E 10 4.3b,4.6b
ISCJB VIII 15 01 24 08.6–1.5 10.71S–.07 107.69E–.07 70–12 4.1b,4.6b
DJA VIII 15 01 24 16 9.71S 107.81E 235 4.9,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=15.3km az=51.0.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=8.4km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=8.3km az=44.5.
ISC VIII 15 03 18 33.9–3.7 9.87S–.07 107.66E–.07 17–23 4.0b 23 2-154
IDC VIII 15 03 18 31.4–.79 10.06S 107.52E 0 4.2,4.1b ¶11908231
ISCJB VIII 15 03 18 32.8–3.5 9.86S–.08 107.63E–.08 25–25 4.0b,4.1b
NEIC VIII 15 03 18 32.3–.69 10.08S 107.48E 10 4.4b,4.1b
DJA VIII 15 03 18 41 9.29S 107.75E 52 4.2,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=17.5km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=10.6km az=42.2.
NEIC Event type se. Error ellipse: s-maj=34.8km s-min=11.4km az=51.0.
DJA VIII 17 08 56 20 9.79S 111.64E 30 3.5
¶12922309
IDC VIII 17 20 08 34.0–2.2 11.30S 109.87E 0 3.7,3.6b
¶12581160
IDC Error ellipse: s-maj=114.5km s-min=20.4km az=45.0.
ISC VIII 18 08 09 01.8–1.3 9.25S–.09 108.59E–.05 60–12 4.0b 24 1-65
IDC VIII 18 08 08 52.4–3.2 9.63S 108.27E 0 3.9b,3.9 ¶12581166
ISCJB VIII 18 08 09 00.8–1.3 9.25S–.09 108.62E–.05 73–12 3.9b,3.9
DJA VIII 18 08 09 03 9.04S 108.66E 101 4.0,3.9
IDC Error ellipse: s-maj=185.9km s-min=29.8km az=55.0.
ISCJB Error ellipse: s-maj=15.8km s-min=6.2km az=20.9.
IDC VIII 21 08 10 41.1–3.3 11.16S 111.02E 0 3.9,3.8b
¶12581257
IDC Error ellipse: s-maj=165.2km s-min=20.9km az=44.0.
ISC VIII 21 19 43 43.6–.80 9.3S–.10 113.65E–.04 75–14 3.7b 22 1-62
IDC VIII 21 19 43 33.7–1.8 9.24S 113.49E 0 3.9,3.8b ¶12581271
ISCJB VIII 21 19 43 43.0–.87 9.3S–.10 113.65E–.04 87–14 3.7b,3.8b
DJA VIII 21 19 43 43 9.34S 113.64E 25 4.3,3.8b
IDC Error ellipse: s-maj=127.6km s-min=23.7km az=48.0.
ISCJB Error ellipse: s-maj=22.9km s-min=6.5km az=9.2.
ISC IX 02 23 12 17.8–.49 9.39S–.06 108.66E–.05 35 4.2b 43 2-119
ISCJB IX 02 23 12 14.8–.59 9.48S–.07 108.60E–.05 33 4.2b ¶11909327
IDC IX 02 23 12 18.0–1.2 9.22S 108.97E 36–6 4.2,4.1b
DJA IX 02 23 12 17 9.32S 108.70E 20 4.2,4.1b
NEIC IX 02 23 12 18.0–.37 9.11S 109.02E 35 4.4b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.9km az=178.0.
IDC Error ellipse: s-maj=34.2km s-min=18.6km az=47.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.6km az=70.0.
ISC IX 04 15 31 24.5–.42 11.43S–.04 112.20E–.06 10 4.1b,3.4s 56 3-145
ISCJB IX 04 15 31 22.6–.43 11.46S–.04 112.20E–.06 10 4.1b,3.4s ¶11909467
IDC IX 04 15 31 25.0–1.1 11.26S 112.41E 0 4.5L,4.2
NEIC IX 04 15 31 24.5–.53 11.64S 112.07E 10 4.3b,4.2
DJA IX 04 15 31 29 11.09S 112.14E 10 4.8,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.9km az=167.1.
IDC Error ellipse: s-maj=38.8km s-min=11.5km az=46.0.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=8.6km az=50.0.
DJA IX 04 18 05 53 8.05S 106.78E 25 3.5
¶12922515
DJA IX 05 14 55 29 9.53S 112.89E 18 3.6
¶12922519
DJA IX 08 11 48 19 9.02S 112.44E 66 3.7
¶12922542
ISC IX 12 16 16 53.2–.55 11.10S–.04 112.88E–.04 35 4.0b 43 3-76
IDC IX 12 16 16 49.0–1.6 11.09S 113.04E 0 4.2,4.1 ¶11910109
ISCJB IX 12 16 16 51.1–.55 11.12S–.04 112.84E–.04 33 4.0b,4.1
NEIC IX 12 16 16 52.2–.94 11.59S 112.64E 35 3.6b,4.1
DJA IX 12 16 16 55 10.81S 112.79E 15 4.3,4.1
ISC Event type se.
IDC Error ellipse: s-maj=71.3km s-min=15.8km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.7km az=142.8.
NEIC Event type se. Error ellipse: s-maj=45.4km s-min=9.2km az=49.0.
ISC IX 14 07 45 03.6–2.2 9.68S–.05 108.14E–.05 31–17 4.0b 33 2-72
IDC IX 14 07 44 59.9–.85 9.53S 107.99E 0 4.2,4.1b ¶11910243
ISCJB IX 14 07 45 01.7–.99 9.70S–.06 108.12E–.04 34–10 4.0b,4.1b
DJA IX 14 07 45 02 9.86S 108.05E 54 4.6,4.1b
NEIC IX 14 07 45 05.1–.55 9.50S 108.05E 35 4.2b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=16.2km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.2km az=11.8.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=8.9km az=46.0.
IDC IX 19 17 22 59.5–2.9 10.37S 113.31E 0 3.6,3.5
¶11910636
IDC Error ellipse: s-maj=152.2km s-min=26.0km az=46.0.
DJA IX 20 12 20 36 9.44S 113.97E 22 3.7
¶12922644
ISC IX 23 22 43 28.3–.73 9.05S–.07 111.42E–.04 74–6 3.9b 40 1-82
IDC IX 23 22 43 20.3–1.8 8.63S 111.73E 0 3.7,3.6b ¶11910903
NEIC IX 23 22 43 24.9–.32 8.61S 111.78E 35 4.1b,3.6b
ISCJB IX 23 22 43 27.5–.72 9.02S–.07 111.43E–.05 85–5 3.9b,3.6b
DJA IX 23 22 43 27 9.10S 111.45E 28 4.0,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=122.9km s-min=11.1km az=51.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=6.0km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=6.4km az=20.7.

ISC IX 28 00 50 42.0–2.9 11.08S–.06 111.27E–.08 29–25 3.3b 17 3-63
IDC IX 28 00 50 38.8–2.5 10.71S 111.57E 0 3.5,3.4 ¶11911242
ISCJB IX 28 00 50 41.2–1.6 11.08S–.07 111.29E–.08 36–19 3.3b,3.4
DJA IX 28 00 50 44 10.88S 111.31E 93 4.1,3.4
IDC Error ellipse: s-maj=122.2km s-min=24.8km az=45.0.
ISCJB Error ellipse: s-maj=14.4km s-min=9.9km az=138.9.
ISC IX 29 09 36 33.5–.69 9.70S–.06 113.56E–.03 64–8 4.0b 39 1-88
IDC IX 29 09 36 25.1–.78 9.75S 113.36E 0 4.1,4.0 ¶11911329
NEIC IX 29 09 36 30.2–.57 9.78S 113.38E 35 4.2b,4.0
ISCJB IX 29 09 36 32.4–.75 9.70S–.07 113.55E–.03 71–9 3.9b,4.0
DJA IX 29 09 36 34 9.56S 113.52E 78 4.3,4.0
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=16.3km az=55.0.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=9.2km az=224.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=5.1km az=12.2.
ISC X 03 17 41 30.8–1.2 10.0S–.10 112.57E–.06 60–11 3.9b 24 2-68
IDC X 03 17 41 23.5–4.7 9.88S 112.74E 0 3.9,3.8 ¶12065795
ISCJB X 03 17 41 29.6–1.3 10.1S–.10 112.57E–.06 72–11 3.8b,3.8
DJA X 03 17 41 32 9.82S 112.60E 25 4.2,3.8
IDC Error ellipse: s-maj=203.3km s-min=42.4km az=45.0.
ISCJB Error ellipse: s-maj=19.2km s-min=8.3km az=13.0.
DJA X 04 16 28 53 8.47S 105.75E 30 3.6
¶12922732
ISC X 06 11 41 50.0–2.5 9.83S–.06 113.80E–.04 31–24 3.3b 21 1-63
IDC X 06 11 41 42.1–3.3 9.84S 113.41E 0 3.4,3.3b ¶12066144
DJA X 06 11 41 50 9.67S 113.79E 14 3.5,3.3b
IDC Error ellipse: s-maj=157.6km s-min=22.7km az=49.0.
ISC X 08 05 37 05.1–2.3 9.22S–.06 106.84E–.07 5–14 3.6b 22 2-145
IDC X 08 05 37 04.3–3.0 9.08S 106.95E 0 3.9,3.8b ¶12066311
DJA X 08 05 37 05 9.33S 106.83E 5 4.3,3.8b
IDC Error ellipse: s-maj=141.3km s-min=19.6km az=48.0.
ISC X 09 19 14 55.7–.67 9.65S–.05 108.16E–.03 39–5 4.7b,3.8s 171 2-150
IDC X 09 19 14 50.4–.48 9.51S 108.26E 0 4.5,4.4 ¶11342442
ISCJB X 09 19 14 53.9–.76 9.66S–.05 108.17E–.03 41–5 4.7b,3.8s
MOS X 09 19 14 54.3–.93 9.44S 108.36E 39 4.8b,3.8s
BJI X 09 19 14 54.5 9.10S 108.40E 24 5.2b,4.8s
DJA X 09 19 14 54.6–.90 10S–3.0 108E–2.0 22–10 5.3b,5.2
NEIC X 09 19 14 56.5–1.3 9.50S 108.29E 42–11 4.8b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=12.0km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.4km az=26.2.
MOS Error ellipse: s-maj=15.2km s-min=7.9km az=112.3.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.3km az=56.0.
DJA X 10 15 08 26 9.30S 112.11E 30 3.5
¶12922777
DJA X 15 13 18 25 10.69S 113.16E 101 4.1
¶12922821
ISC X 17 15 36 35.1–.71 10.68S–.05 113.38E–.03 38–11 3.4b 59 2-64
IDC X 17 15 36 29.5–2.8 10.73S 113.33E 0 3.6,3.5 ¶12068897
ISCJB X 17 15 36 33.3–.79 10.69S–.05 113.34E–.03 41–10 3.4b,3.5
NEIC X 17 15 36 33.0–1.1 11.13S 112.97E 35 3.5b,3.5
DJA X 17 15 36 36 10.55S 113.39E 43 4.6,3.5
ISC Event type se.
IDC Error ellipse: s-maj=145.1km s-min=19.8km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.7km az=172.9.
NEIC Event type se. Error ellipse: s-maj=50.3km s-min=11.3km az=53.0.
ISC X 18 20 27 42.6–2.5 8.46S–.09 105.63E–.05 21–18 3.9b 26 2-146
IDC X 18 20 27 40.0–2.5 8.38S 105.77E 0 4.0,3.9b ¶12068997
ISCJB X 18 20 27 41.8–1.6 8.5S–.10 105.60E–.06 36–12 3.9b,3.9b
DJA X 18 20 27 42 8.56S 105.62E 30 4.1,3.9b
IDC Error ellipse: s-maj=85.9km s-min=25.4km az=48.0.
ISCJB Error ellipse: s-maj=17.8km s-min=8.7km az=20.9.
ISC X 23 14 43 13.2–1.9 9.41S–.04 106.91E–.04 9–14 4.1b 56 2-145
ISCJB X 23 14 43 12.3–1.5 9.47S–.04 106.90E–.04 20–13 4.1b ¶12070900
IDC X 23 14 43 12.6–.87 9.25S 107.04E 0 4.2,4.1
DJA X 23 14 43 15 9.39S 106.91E 24 4.4,4.1
NEIC X 23 14 43 17.4–.79 9.32S 107.07E 35 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.7km az=25.2.
IDC Error ellipse: s-maj=37.5km s-min=16.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=11.5km az=53.0.
DJA X 23 23 13 02 9.26S 111.80E 24 3.7
¶12922876
IDC X 26 04 45 29.6–2.9 9.59S 113.11E 0 3.6,3.5
¶12071127
IDC Error ellipse: s-maj=128.5km s-min=23.3km az=51.0.
ISC X 31 07 02 29.9–.71 8.86S–.07 105.5E–.30 35 4.0b 10 2-146
ISCJB X 31 07 02 27.9–.71 8.79S–.07 105.5E–.30 33 4.0b ¶12922921
DJA X 31 07 02 30 8.60S 105.63E 59 4.4
IDC X 31 07 02 39.3–4.9 8.04S 105.61E 69–42 3.9,3.8
ISCJB Error ellipse: s-maj=44.1km s-min=8.1km az=172.1.
IDC Error ellipse: s-maj=82.6km s-min=23.4km az=46.0.
IDC X 31 10 34 53.2–1.0 8.63S 105.60E 0 3.9,3.8
DJA X 31 10 34 57 8.60S 105.58E 53 4.3,3.8 ¶12071723
IDC Error ellipse: s-maj=41.3km s-min=16.5km az=55.0.
ISC XI 05 17 11 27.1–1.1 9.1S–.10 112.31E–.05 58–16 3.6b 27 1-62
IDC XI 05 17 11 20.1–2.2 8.71S 112.55E 0 3.7,3.6b ¶12072439
ISCJB XI 05 17 11 26.6–1.1 9.0S–.10 112.31E–.05 70–15 3.5b,3.6b
NEIC XI 05 17 11 26.6–2.4 8.38S 113.11E 35 3.8b,3.6b
DJA XI 05 17 11 26 9.08S 112.28E 35 3.9,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=128.4km s-min=24.3km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=7.6km az=12.2.
NEIC Event type se. Error ellipse: s-maj=159.0km s-min=19.9km az=49.0.
ISC XI 12 00 46 55.5–.77 9.50S–.05 107.85E–.05 37–7 4.0b 48 2-145
IDC XI 12 00 46 50.5–1.7 9.38S 107.87E 0 3.8b,3.8 ¶12073250
ISCJB XI 12 00 46 54.2–.79 9.50S–.05 107.87E–.04 46–7 4.0b,3.8
NEIC XI 12 00 46 55.8–.57 9.33S 107.95E 35 4.2b,3.8
DJA XI 12 00 46 55 9.51S 107.87E 44 4.5,3.8
ISC Event type se.
IDC Error ellipse: s-maj=78.4km s-min=18.3km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.2km az=30.9.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=5.8km az=49.0.
DJA XI 13 05 00 02 10.06S 108.96E 55 4.0
¶12923022
ISC XI 15 06 16 21.9–.71 10.61S–.05 108.27E–.05 10 3.5b 28 3-67
ISCJB XI 15 06 16 20.0–.70 10.61S–.05 108.27E–.05 10 3.5b ¶12073598
IDC XI 15 06 16 22.9–3.1 10.02S 108.93E 0 3.7,3.6
DJA XI 15 06 16 23 10.62S 108.12E 30 4.5,3.6
ISCJB Error ellipse: s-maj=8.6km s-min=6.0km az=38.4.
IDC Error ellipse: s-maj=132.9km s-min=21.4km az=48.0.
ISC XI 16 01 33 52.6–1.2 9.60S–.09 112.48E–.05 52–14 3.5b 24 1-68
IDC XI 16 01 33 47.4–2.8 9.01S 112.91E 0 3.7,3.6b ¶12073693
ISCJB XI 16 01 33 52.1–1.2 9.6S–.10 112.49E–.05 65–14 3.5b,3.6b
DJA XI 16 01 33 52 9.51S 112.50E 30 3.7,3.6b
IDC Error ellipse: s-maj=159.5km s-min=20.8km az=49.0.
ISCJB Error ellipse: s-maj=17.5km s-min=7.3km az=17.4.
ISC XI 21 04 28 14.2–.85 9.1S–.10 108.55E–.06 35 12 2-3
AUST XI 21 04 26 55.0 15.21S 113.00E 0 4.0L ¶11750949
DJA XI 21 04 28 10 9.14S 108.54E 10 3.7
ISCJB XI 21 04 28 13.0–.86 9.2S–.10 108.56E–.06 33 3.7
ISC XI 22 16 53 06.1–.65 9.59S–.06 112.83E–.03 62–5 4.5b 99 1-89
IDC XI 22 16 52 58.6–.90 9.42S 112.87E 0 4.4,4.3b ¶12074517
NEIC XI 22 16 53 03.0–.41 9.62S 112.75E 35 4.5b,4.3b
ISCJB XI 22 16 53 05.8–.67 9.52S–.06 112.82E–.03 74–5 4.5b,4.3b
BJI XI 22 16 53 06.7 9.60S 112.80E 73 4.7b,4.3b
DJA XI 22 16 53 06 9.43S 112.88E 12 4.7,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=14.1km az=55.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=6.6km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=4.3km az=10.8.

ISC	**XI**	**24 12 25 04.8–.82**	**9.44S–.05**	**111.45E–.06**	**35**	**3.1b**	**21**	**1-62**
IDC	XI	24 12 24 56.4–3.9	10.34S	110.41E	0	3.5,3.3L		¶12074679
ISCJB	XI	24 12 25 03.3–.83	9.48S–.05	111.45E–.06	33	3.1b,3.3L		
DJA	XI	24 12 25 03	9.36S	111.51E	12	3.4,3.3L		
IDC	Error ellipse: s-maj=195.3km s-min=26.7km az=46.0.							
ISCJB	Error ellipse: s-maj=8.4km s-min=6.3km az=149.7.							
DJA	**XI**	**26 21 10 59**	**10.92S**	**112.02E**	**11**	**3.7**		
								¶12923192
DJA	**XI**	**30 03 19 24**	**10.81S**	**111.83E**	**10**	**3.9**		
								¶12923234
DJA	**XII**	**03 19 02 48**	**9.99S**	**113.99E**	**74**	**3.7**		
								¶12923275
ISC	**XII**	**06 04 22 29.9–.64**	**9.43S–.05**	**110.36E–.03**	**35**	**3.9b**	**36**	**1-86**
IDC	XII	06 04 22 24.6–1.5	8.74S	110.75E	0	3.9b,3.9		¶12075979
ISCJB	XII	06 04 22 28.2–.65	9.46S–.05	110.37E–.03	33	3.9b,3.9		
DJA	XII	06 04 22 28	9.23S	110.43E	9	4.2,3.9		
IDC	Error ellipse: s-maj=85.8km s-min=19.2km az=45.0.							
ISCJB	Error ellipse: s-maj=6.6km s-min=4.2km az=13.4.							
ISC	**XII**	**06 04 34 59.2–2.2**	**9.35S–.07**	**110.38E–.04**	**15–15**	**3.7b**	**27**	**1-67**
IDC	XII	06 04 34 56.1–2.3	8.84S	110.71E	0	3.8,3.7b		¶12075982
DJA	XII	06 04 35 01	9.22S	110.43E	15	3.9,3.7b		
IDC	Error ellipse: s-maj=108.2km s-min=20.6km az=51.0.							
DJA	**XII**	**07 12 01 40**	**10.49S**	**113.30E**	**118**	**3.7**		
								¶12923321
ISC	**XII**	**08 15 04 16.3–.60**	**10.01S–.05**	**108.94E–.06**	**35**	**3.7b**	**32**	**2-73**
IDC	XII	08 15 04 13.0–3.8	9.67S	109.18E	0	3.7,3.6L		¶12076370
ISCJB	XII	08 15 04 13.9–.56	10.05S–.05	108.90E–.05	33	3.7b,3.6L		
DJA	XII	08 15 04 13	10.04S	108.95E	15	4.2,3.6L		
NEIC	XII	08 15 04 18.7–1.9	9.54S	109.38E	35	4.0b,3.6L		
ISC	Event type se.							
IDC	Error ellipse: s-maj=174.0km s-min=18.3km az=49.0.							
ISCJB	Event type se. Error ellipse: s-maj=7.6km s-min=6.8km az=8.4.							
NEIC	Event type se. Error ellipse: s-maj=94.7km s-min=10.4km az=47.0.							
ISC	**XII**	**09 21 02 07.2–.60**	**9.20S–.05**	**107.68E–.03**	**40–5**	**4.3b**	**72**	**2-87**
IDC	XII	09 21 02 01.6–.96	9.10S	107.69E	0	4.4,4.3b		¶12076610
ISCJB	XII	09 21 02 05.9–.64	9.18S–.05	107.67E–.03	47–6	4.3b,4.3b		
NEIC	XII	09 21 02 06.8–.25	9.13S	107.70E	35	4.2b,4.3b		
DJA	XII	09 21 02 06	9.24S	107.67E	59	4.6,4.3b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=36.2km s-min=15.3km az=55.0.							
ISCJB	Event type se. Error ellipse: s-maj=8.5km s-min=5.1km az=22.6.							
NEIC	Event type se. Error ellipse: s-maj=9.0km s-min=5.3km az=47.0.							
ISC	**XII**	**09 21 20 25.4–3.0**	**9.27S–.09**	**107.63E–.06**	**30–24**	**3.7b**	**15**	**2-66**
IDC	XII	09 21 20 23.3–2.0	8.65S	108.26E	0	3.8,3.7b		¶12076613
ISCJB	XII	09 21 20 24.7–1.0	9.27S–.09	107.65E–.06	45–11	3.7b,3.7b		
DJA	XII	09 21 20 24	9.32S	107.69E	30	3.9,3.7b		
IDC	Error ellipse: s-maj=77.0km s-min=20.3km az=49.0.							
ISCJB	Error ellipse: s-maj=14.8km s-min=9.8km az=5.3.							
ISC	**XII**	**10 15 26 54.5–3.0**	**9.28S–.09**	**107.63E–.07**	**21–21**	**3.8b**	**27**	**2-72**
IDC	XII	10 15 26 52.1–2.9	8.99S	108.01E	0	3.8,3.7b		¶12076762
ISCJB	XII	10 15 26 54.0–1.8	9.3S–.10	107.62E–.08	37–13	3.8b,3.7b		
DJA	XII	10 15 26 56	9.12S	107.68E	29	3.8,3.7b		
NEIC	XII	10 15 26 57.6–1.5	8.98S	108.08E	35	4.2b,3.7b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=141.2km s-min=20.4km az=48.0.							
ISCJB	Event type se. Error ellipse: s-maj=22.4km s-min=8.6km az=27.5.							
NEIC	Event type se. Error ellipse: s-maj=72.9km s-min=13.4km az=48.0.							
ISC	**XII**	**12 17 03 45.7–1.1**	**9.75S–.10**	**112.8E–.10**	**42–11**	**3.5b**	**22**	**2-68**
IDC	XII	12 17 03 37.8–1.3	10.19S	112.07E	0	3.7,3.6		¶12077149
NEIC	XII	12 17 03 42.9–.84	10.22S	112.06E	35	3.7,3.6		
ISCJB	XII	12 17 03 43.2–1.1	9.90S–.10	112.9E–.10	57–12	3.5b,3.6		
DJA	XII	12 17 03 45	9.62S	112.87E	15	3.7,3.6		
ISC	Event type se.							
IDC	Error ellipse: s-maj=62.9km s-min=18.2km az=56.0.							
NEIC	Event type se. Error ellipse: s-maj=43.3km s-min=11.9km az=61.0.							
ISCJB	Event type se. Error ellipse: s-maj=20.0km s-min=12.4km az=140.1.							
IDC	**XII**	**17 06 38 36.7–2.1**	**10.42S**	**111.52E**	**0**	**3.7,3.6b**		
								¶12077874
IDC	Error ellipse: s-maj=105.1km s-min=19.9km az=45.0.							
DJA	**XII**	**22 06 36 28**	**9.22S**	**110.62E**	**10**	**3.5**		
								¶12923473
ISC	**XII**	**23 05 49 43.1–2.7**	**8.48S–.05**	**105.13E–.07**	**26–24**	**3.5b**	**20**	**2-146**
DJA	XII	23 05 49 40	8.52S	104.92E	22	4.4		¶12078633
ISCJB	XII	23 05 49 41.6–.78	8.53S–.04	105.09E–.07	33	3.5b		
IDC	XII	23 05 49 46.0–5.0	8.95S	105.75E	0	4.0,3.8b		
ISCJB	Error ellipse: s-maj=9.4km s-min=6.0km az=171.3.							
IDC	Error ellipse: s-maj=213.8km s-min=25.4km az=55.0.							
ISC	**XII**	**24 18 52 48.9–3.1**	**9.93S–.10**	**108.71E–.05**	**28–23**	**3.6b**	**15**	**3-71**
ISCJB	XII	24 18 52 47.6–1.4	10.0S–.10	108.71E–.05	37–12	3.6b		¶12923498
DJA	XII	24 18 52 48	9.75S	108.74E	10	3.7		
IDC	XII	24 18 53 04.5–2.0	7.24S	107.10E	0	3.7,3.6b		
ISCJB	Error ellipse: s-maj=17.5km s-min=7.7km az=164.1.							
IDC	Error ellipse: s-maj=106.2km s-min=19.9km az=53.0.							
ISC	**XII**	**27 16 41 42.9–5.2**	**10.8S–.10**	**111.6E–.20**	**23–36**	**3.5b**	**19**	**3-68**
IDC	XII	27 16 41 41.8–4.2	10.20S	112.17E	0	3.7,3.6b		¶12079191
ISCJB	XII	27 16 41 43.2–4.9	10.8S–.10	111.5E–.20	33–33	3.5b,3.6b		
DJA	XII	27 16 41 54	9.86S	111.88E	17	3.7,3.6b		
IDC	Error ellipse: s-maj=234.7km s-min=20.3km az=46.0.							
ISCJB	Error ellipse: s-maj=31.6km s-min=9.2km az=143.0.							
ISC	**XII**	**27 16 45 56.9–1.1**	**11.2S–.30**	**111.5E–.30**	**35**	**3.8b**	**26**	**13-75**
ISCJB	XII	27 16 45 54.1–1.2	11.3S–.30	111.4E–.30	33	3.8b		¶12079192
IDC	XII	27 16 45 55.5–2.3	10.38S	112.07E	0	3.8,3.7b		
NEIC	XII	27 16 45 56.8–1.1	11.20S	111.48E	35	4.1b,3.7b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=57.9km s-min=10.6km az=138.7.							
IDC	Error ellipse: s-maj=124.1km s-min=16.2km az=50.0.							
NEIC	Event type se. Error ellipse: s-maj=56.9km s-min=10.1km az=48.0.							
IDC	**XII**	**31 20 49 30.7–2.9**	**10.69S**	**112.52E**	**0**	**3.5,3.4b**		
DJA	XII	31 20 49 36	10.69S	112.19E	19	4.0,3.4b		¶12079701
IDC	Error ellipse: s-maj=146.5km s-min=23.6km az=46.0.							

(283) Bali region.

ISC	**X**	**04 15 51 42.2–.61**	**8.15S–.08**	**115.16E–.04**	**12–6**	**3.4b**	**14**	**0-34**
IDC	X	04 15 51 38.0–8.7	7.79S	115.20E	0	3.7,3.5		¶12065911
ISCJB	X	04 15 51 41.8–.66	8.1S–.10	115.20E–.04	17–6	3.4b,3.5		
DJA	X	04 15 51 42	8.12S	115.14E	3	3.4,3.5		
IDC	Error ellipse: s-maj=215.5km s-min=122.3km az=31.0.							
ISCJB	Error ellipse: s-maj=17.5km s-min=7.4km az=3.2.							
ISC	**XI**	**14 11 37 14.9–2.0**	**8.0S–.50**	**115.3E–.60**	**35**	**3.8b**	**11**	**22-62**
IDC	XI	14 11 37 10.1–2.5	7.88S	115.43E	0	3.9,3.7b		¶12073513
ISCJB	XI	14 11 37 12.5–2.1	8.0S–.50	115.2E–.60	33	3.8b,3.7b		
NEIC	XI	14 11 37 14.8–1.6	8.01S	115.28E	35	3.8b,3.7b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=146.9km s-min=21.1km az=54.0.							
ISCJB	Event type se. Error ellipse: s-maj=114.0km s-min=16.0km az=143.8.							
NEIC	Event type se. Error ellipse: s-maj=87.1km s-min=12.9km az=53.0.							
ISC	**XI**	**22 20 21 42.4–.51**	**8.03S–.09**	**115.66E–.05**	**220–4**	**3.5b**	**40**	**0-67**
ISCJB	XI	22 20 21 41.3–.54	7.88S–.10	115.67E–.05	222–4	3.5b		¶12074535
NEIC	XI	22 20 21 42.5–3.5	7.99S	115.53E	230–42	3.5b		
IDC	XI	22 20 21 42.7–9.3	7.68S	115.90E	220–94	3.2,3.1b		
DJA	XI	22 20 21 46	8.19S	115.60E	194	3.3,3.1b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=16.6km s-min=6.0km az=19.4.							
NEIC	Event type se. Error ellipse: s-maj=56.5km s-min=16.8km az=51.0.							
IDC	Error ellipse: s-maj=123.6km s-min=23.6km az=56.0.							

(284) South of Bali.

ISC	**VII**	**03 05 59 28.2–.58**	**11.32S–.05**	**115.92E–.07**	**35**	**3.8b**	**32**	**3-70**
ISCJB	VII	03 05 59 26.0–.62	11.35S–.05	115.91E–.07	33	3.8b		¶12697960
DJA	VII	03 05 59 27	11.30S	115.68E	20	4.5		
IDC	VII	03 05 59 29.8–.96	11.12S	116.12E	43–8	3.8L,3.7		
ISCJB	Error ellipse: s-maj=10.9km s-min=5.7km az=151.3.							
IDC	Error ellipse: s-maj=26.3km s-min=15.7km az=71.0.							
DJA	**VII**	**03 14 27 59**	**9.39S**	**115.92E**	**80**	**3.7**		
								¶12921751
DJA	**VII**	**04 17 37 40**	**9.38S**	**115.74E**	**26**	**3.6**		
								¶12921765
DJA	**VII**	**20 06 48 42**	**9.58S**	**114.15E**	**65**	**3.6**		
								¶12921964
DJA	**VII**	**24 08 22 41**	**9.58S**	**115.59E**	**121**	**3.5**		
								¶12922013
DJA	**VII**	**28 10 00 57**	**9.41S**	**115.15E**	**28**	**3.6**		
								¶12922076
DJA	**VIII**	**02 11 48 15**	**9.31S**	**115.03E**	**57**	**3.3**		
								¶12922153
IDC	**VIII**	**15 22 29 08.2–2.2**	**9.48S**	**115.29E**	**0**	**3.7,3.6b**		
								¶12581118
IDC	Error ellipse: s-maj=122.2km s-min=21.8km az=49.0.							
ISC	**VIII**	**19 15 07 39.1–2.7**	**11.09S–.05**	**115.50E–.08**	**16–19**	**4.1b**	**45**	**2-77**
ISCJB	VIII	19 15 07 38.0–1.7	11.13S–.04	115.53E–.08	26–14	4.1b		¶11908438
IDC	VIII	19 15 07 39.4–1.0	10.64S	115.58E	0	4.0,3.9b		
NEIC	VIII	19 15 07 40.8–.51	10.64S	115.63E	10	4.4b,3.9b		
DJA	VIII	19 15 07 42	10.86S	115.37E	20	4.3,3.9b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=13.2km s-min=5.7km az=159.9.							
IDC	Error ellipse: s-maj=46.6km s-min=15.9km az=60.0.							
NEIC	Event type se. Error ellipse: s-maj=28.7km s-min=8.7km az=58.0.							
IDC	**VIII**	**19 15 22 56.8–2.6**	**11.26S**	**114.98E**	**0**	**3.8,3.6**		
								¶12581200
IDC	Error ellipse: s-maj=151.1km s-min=26.2km az=47.0.							
IDC	**VIII**	**19 16 43 23.2–4.2**	**10.95S**	**115.28E**	**0**	**3.2,3.1**		
								¶12581202
IDC	Error ellipse: s-maj=243.8km s-min=28.0km az=45.0.							
DJA	**IX**	**05 23 19 22**	**9.54S**	**115.54E**	**33**	**3.7**		
								¶12922522
DJA	**IX**	**27 06 48 50**	**9.41S**	**115.84E**	**26**	**3.7**		
								¶12922687
DJA	**X**	**09 07 53 28**	**9.52S**	**115.09E**	**29**	**3.2**		
								¶12922770
ISC	**X**	**14 22 00 13.3–2.1**	**11.52S–.04**	**114.57E–.06**	**20–16**	**3.9b**	**50**	**3-87**
ISCJB	X	14 22 00 09.7–2.4	11.55S–.04	114.62E–.07	10–16	3.9b		¶12068641
IDC	X	14 22 00 12.2–2.5	11.44S	114.40E	0	3.8,3.7b		
NEIC	X	14 22 00 15.3–.41	11.50S	114.69E	35	4.5b,3.7b		
DJA	X	14 22 00 20	10.58S	114.44E	222	4.1,3.7b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=11.3km s-min=6.5km az=161.7.							
IDC	Error ellipse: s-maj=137.5km s-min=17.9km az=49.0.							
NEIC	Event type se. Error ellipse: s-maj=12.6km s-min=7.3km az=59.0.							
ISC	**X**	**15 05 00 52.3–4.0**	**10.94S–.08**	**115.7E–.10**	**26–39**		**13**	**3-34**
ISCJB	X	15 05 00 50.6–3.0	10.97S–.07	115.7E–.10	27–26			¶12068660
DJA	X	15 05 00 54	10.58S	115.61E	161	3.9		
IDC	X	15 05 01 00.5–6.8	11.12S	116.38E	32–52	3.7,3.6b		
ISCJB	Error ellipse: s-maj=19.7km s-min=9.7km az=154.6.							
IDC	Error ellipse: s-maj=116.3km s-min=21.7km az=46.0.							
IDC	**X**	**17 23 49 35.8–4.7**	**11.76S**	**115.70E**	**0**	**3.4b,3.4**		
								¶12068934
IDC	Error ellipse: s-maj=274.4km s-min=27.6km az=44.0.							
ISC	**X**	**24 11 05 21.5–.57**	**10.79S–.04**	**115.99E–.05**	**39–7**	**4.1b,3.4s**	**63**	**2-77**
IDC	X	24 11 05 18.1–.95	10.29S	116.19E	0	4.2b,4.2		¶12070975
ISCJB	X	24 11 05 19.4–.69	10.84S–.04	116.01E–.05	42–8	4.1b,3.4s		
DJA	X	24 11 05 20	10.76S	116.00E	28	4.4,3.4s		
NEIC	X	24 11 05 23.2–.64	10.33S	116.22E	35	4.0b,3.4s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=40.1km s-min=15.0km az=60.0.							
ISCJB	Event type se. Error ellipse: s-maj=9.4km s-min=5.9km az=148.3.							
NEIC	Event type se. Error ellipse: s-maj=27.0km s-min=9.1km az=53.0.							
IDC	**XI**	**04 07 59 05.2–4.8**	**11.80S**	**115.73E**	**0**	**3.4,3.3b**		
								¶12072222
IDC	Error ellipse: s-maj=280.5km s-min=29.4km az=45.0.							
ISC	**XI**	**04 14 53 29.6–.65**	**11.38S–.05**	**115.80E–.06**	**31**	**3.8b**	**40**	**3-79**
ISCJB	XI	04 14 53 27.2–.66	11.42S–.05	115.76E–.06	30	3.8b		¶12072256
IDC	XI	04 14 53 29.2–.77	11.33S	116.19E	29–5	3.7,3.6		
NEIC	XI	04 14 53 29.3–.64	11.35S	116.21E	31	4.0b,3.6		
DJA	XI	04 14 53 34	11.04S	115.68E	106	4.1,3.6		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=9.1km s-min=5.6km az=151.8.							
IDC	Error ellipse: s-maj=52.0km s-min=13.8km az=58.0.							
NEIC	Event type se. Error ellipse: s-maj=37.4km s-min=9.3km az=52.0.							
ISC	**XI**	**26 01 07 23.8–.75**	**11.29S–.06**	**114.3E–.10**	**35**	**3.6b**	**32**	**3-70**
IDC	XI	26 01 07 20.0–2.4	10.97S	114.61E	0	3.8,3.7b		¶12074847
ISCJB	XI	26 01 07 21.2–.79	11.32S–.06	114.2E–.10	33	3.6b,3.7b		
NEIC	XI	26 01 07 23.9–1.0	11.21S	114.25E	35	4.2b,3.7b		
DJA	XI	26 01 07 54	8.42S	115.34E	10	2.7,3.7b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=129.6km s-min=17.7km az=50.0.							
ISCJB	Event type se. Error ellipse: s-maj=18.3km s-min=7.3km az=160.0.							
NEIC	Event type se. Error ellipse: s-maj=53.8km s-min=11.3km az=51.0.							
DJA	**XI**	**30 08 52 26**	**9.85S**	**114.44E**	**18**	**3.5**		
								¶12923238
ISC	**XII**	**11 13 57 07.1–.65**	**9.41S–.07**	**114.01E–.04**	**71–5**	**4.3b**	**70**	**1-117**
IDC	XII	11 13 56 58.0–.96	9.49S	113.68E	0	4.3,4.3L		¶12076935
NEIC	XII	11 13 57 03.7–2.0	9.49S	113.83E	41–18	4.8b,4.3L		
DJA	XII	11 13 57 04	9.62S	114.00E	17	4.7,4.3L		
ISCJB	XII	11 13 57 06.7–.69	9.35S–.07	114.00E–.04	82–5	4.3b,4.3L		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							

(285) Sumbawa region.

DJA	**VII**	**02 20 11 35**	**9.60S**	**118.34E**	**12**	**4.0**		
								¶12921735
IDC	**VII**	**05 07 19 52.1–2.9**	**8.16S**	**116.98E**	**0**	**3.6,3.5**		
								¶12698018
IDC	Error ellipse: s-maj=164.3km s-min=22.4km az=54.0.							
ISC	**VII**	**10 14 17 13.5–.85**	**9.61S–.05**	**118.80E–.07**	**62–8**	**4.9b**	**106**	**5-147**
MOS	VII	10 14 17 03.7–.94	10.12S	119.12E	33	5.0b		¶11109022
IDC	VII	10 14 17 06.2–.71	9.41S	118.74E	0	4.5,4.5b		
ISCJB	VII	10 14 17 11.3–1.0	9.62S–.04	118.80E–.06	61–9	4.9b,4.5b		
BJI	VII	10 14 17 13.3	9.60S	118.80E	82	4.9b,4.8s		
NEIC	VII	10 14 17 13.3–1.2	9.57S	118.82E	63–11	4.8b,4.8s		
DJA	VII	10 14 17 16	9.67S	118.87E	67	4.9b,4.8s		
ISC	Event type se.							
MOS	Error ellipse: s-maj=23.4km s-min=9.7km az=107.8.							
IDC	Error ellipse: s-maj=26.1km s-min=15.1km az=54.0.							
ISCJB	Event type se. Error ellipse: s-maj=11.3km s-min=6.2km az=153.7.							
NEIC	Event type se. Error ellipse: s-maj=13.5km s-min=7.8km az=62.0.							
DJA	**VII**	**20 15 58 59**	**8.15S**	**117.86E**	**60**	**4.0**		
								¶12921966
ISC	**VII**	**28 06 37 22.4–.57**	**8.02S–.10**	**117.25E–.06**	**10**	**4.0b**	**20**	**2-68**
IDC	VII	28 06 37 19.7–2.3	8.28S	116.89E	0	4.0,4.0		¶11812765
ISCJB	VII	28 06 37 20.3–.58	7.94S–.09	117.31E–.05	10	4.0b,4.0		
NEIC	VII	28 06 37 25.7–1.2	8.07S	117.20E	35	3.8b,4.0		
DJA	VII	28 06 37 44	8.06S	115.74E	18	3.4,4.0		
ISC	Event type se.							
IDC	Error ellipse: s-maj=179.8km s-min=20.5km az=57.0.							
ISCJB	Event type se. Error ellipse: s-maj=14.2km s-min=6.3km az=19.1.							
NEIC	Event type se. Error ellipse: s-maj=88.6km s-min=9.6km az=55.0.							
ISC	**VIII**	**06 22 41 02.0–.14**	**8.15S–.02**	**117.77E–.02**	**14**	**5.6b,5.5s**	**508**	**2-168**
IDC	VIII	06 22 40 59.0–.36	8.07S	117.62E	0	5.9L,5.5s		¶13391027
BJI	VIII	06 22 40 59.7	8.10S	117.70E	10	5.7s,5.7b		
ISCJB	VIII	06 22 41 00.1–.14	8.18S–.02	117.74E–.02	13	5.6b,5.5s		
DJA	VIII	06 22 41 03	8.29S	117.73E	10	6.3W,5.5s		

NEIC VIII 06 22 41 03.7–1.6 8.13S 117.67E 31–11 5.9W,5.8b
MOS VIII 06 22 41 03.1–1.6 8.10S 117.69E 33 5.7b,5.4s
GCMT VIII 06 22 41 06.5–.10 8.14S 117.73E 27–0 5.9W,5.4s
ISC Event type fe.
IDC Error ellipse: s-maj=16.5km s-min=8.4km az=63.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=19.2.
NEIC Event type fe. Error ellipse: s-maj=6.2km s-min=4.1km az=55.0. Felt [VII] at Pekat; [IV] at Dompu and Sumbawa Besar; [III] at Bima. Felt [IV] at Denpasar, Bali and at Mataram, Lombok. Felt at Kuta, Bali. Moment Tensor Solution. s62 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$-4.89 $M_{\phi\phi}$4.54 $M_{r\theta}$-1.63 $M_{\theta\phi}$-1.11 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s130.00000°,δ78.00000°,λ-170.00000°. NP2:ϕ_s37.00000°,δ80.00000°,λ-13.00000°. Principal axes: T 4.6700,Plg1.0000°,Azm83.0000°; N 0.8100,Plg74.0000°,Azm179.0000°; P -5.4900,Plg15.0000°,Azm353.0000° $M_0$5.10000×10^{17}
MOS Error ellipse: s-maj=8.2km s-min=5.7km az=115.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 93, comp=201, per= 50. Moment Tensor Solution. s82,c158; s62,c90; Moment tensor: Scale 10^{17}Nm; M_{rr}0.10±.08 $M_{\theta\theta}$-9.14±.08; $M_{\phi\phi}$9.05±.09; $M_{r\theta}$-2.94±.18; $M_{\theta\phi}$-1.93±.07; $M_{\phi r}$-0.85±.17; Best double couple: NP1:ϕ_s130.00000°,δ76.00000°,λ-171.00000°. NP2:ϕ_s38.00000°,δ81.00000°,λ-14.00000°. Principal axes: T 9.3000,Plg4.0000°,Azm85.0000°; N 0.9000,Plg73.0000°,Azm187.0000°; P -10.2000,Plg16.0000°,Azm354.0000° $M_0$9.80000×10^{17}
ISC VIII 06 23 07 05.2–1.4 8.20S–.03 117.74E–.03 27–10 4.7b 90 2-156
BJI VIII 06 23 06 57.4 8.56S 118.09E 9 4.9b,4.7b **¶11158602**
IDC VIII 06 23 07 00.7–.49 8.18S 117.70E 0 5.1L,4.7
ISCJB VIII 06 23 07 04.4–.56 8.17S–.03 117.76E–.03 36–5 4.7b,4.7
NEIC VIII 06 23 07 05.4–2.3 8.19S 117.73E 30–16 4.7b,4.7
DJA VIII 06 23 07 05 8.08S 117.60E 10 5.0,4.7
ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=11.0km az=61.0.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=5.2km az=31.7.
NEIC Event type fe. Error ellipse: s-maj=9.7km s-min=4.7km az=66.0. Felt [II] at Bima.
ISC VIII 06 23 17 18.5–5.8 8.08S–.07 117.79E–.10 12–39 4.0b 16 4-63
IDC VIII 06 23 17 16.9–1.5 8.06S 117.73E 0 4.3L,4.0 **¶11907838**
NEIC VIII 06 23 17 21.6–.48 8.08S 117.75E 35 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=22.1km az=69.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.4km az=67.0.
ISC VIII 06 23 33 29.2–2.6 8.155S–.04 117.71E–.04 18–18 3.4b 37 2-73
ISCJB VIII 06 23 33 27.9–1.8 8.17S–.04 117.74E–.04 25–16 3.4b **¶11907840**
IDC VIII 06 23 33 27.3–1.4 8.05S 117.79E 0 3.7,3.5
DJA VIII 06 23 33 29 8.12S 117.65E 13 4.4,3.5
NEIC VIII 06 23 33 31.6–.54 8.11S 117.80E 35 3.5b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=6.7km az=173.8.
IDC Error ellipse: s-maj=41.2km s-min=23.4km az=66.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=7.1km az=66.0.
IDC VIII 07 00 46 19.2–2.7 8.05S 117.86E 0 3.9,3.8
¶12580949
IDC Error ellipse: s-maj=199.4km s-min=24.3km az=58.0.
ISC VIII 07 03 46 21.8–.92 8.21S–.03 117.81E–.02 25–7 4.9b,3.9s 125 2-145
IDC VIII 07 03 46 17.9–.59 8.10S 117.76E 0 4.6,4.5 **¶11159779**
ISCJB VIII 07 03 46 20.6–.90 8.17S–.03 117.80E–.02 30–7 4.9b,3.9s
NEIC VIII 07 03 46 22.7–2.0 8.17S 117.81E 33–15 5.0b,3.9s
DJA VIII 07 03 46 23 8.29S 117.59E 10 5.0b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=24.2km s-min=11.5km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.7km az=6.0.
NEIC Event type fe. Error ellipse: s-maj=9.9km s-min=4.5km az=56.0. Felt [III] at Pekat.
DJA VIII 07 20 58 25 8.25S 116.67E 27 3.5
¶12922219
ISC VIII 08 07 41 06.6–.79 9.07S–.10 117.31E–.09 83–14 3.6b 12 2-64
IDC VIII 08 07 41 00.0–2.7 8.05S 118.68E 0 3.8,3.8 **¶12580976**
DJA VIII 08 07 41 00 9.66S 117.55E 20 4.2,3.8
ISCJB VIII 08 07 41 05.3–.94 9.05S–.10 117.33E–.10 91–16 3.6b,3.8
ISC VIII 08 20 40 43.4–.32 9.12S–.04 118.97E–.02 114–3 4.6b 154 1-154
BJI VIII 08 20 40 37.9 9.00S 119.00E 80 4.9b,4.8b **¶11160011**
NEIC VIII 08 20 40 41.7–.36 8.98S 119.00E 100 4.5b,4.8b
ISCJB VIII 08 20 40 42.1–.34 9.14S–.03 118.97E–.02 122–3 4.6b,4.8b
IDC VIII 08 20 40 42.3–.70 8.90S 118.96E 96–6 4.3,4.2
DJA VIII 08 20 40 43 9.23S 118.97E 80 5.0b,4.2
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=15.7km s-min=7.4km az=56.0. Felt [III] at Raba, Sumbawa.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.6km az=9.6.
IDC Error ellipse: s-maj=24.1km s-min=9.7km az=57.0.
ISC VIII 08 22 28 48.7–.75 8.10S–.06 117.78E–.05 38–9 3.8b 25 2-76
IDC VIII 08 22 28 42.7–2.0 8.22S 117.49E 0 3.9,3.8b **¶11907976**
ISCJB VIII 08 22 28 47.2–.80 8.08S–.06 117.79E–.05 44–9 3.8b,3.8b
NEIC VIII 08 22 28 48.5–.58 8.05S 117.83E 35 3.6b,3.8b
DJA VIII 08 22 28 50 7.88S 117.60E 53 4.2,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=173.4km s-min=20.4km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=5.5km az=148.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=10.5km az=62.0.
ISC VIII 09 00 01 59.2–.52 8.22S–.04 117.73E–.03 36–5 4.8b,4.0s 118 2-155
IDC VIII 09 00 01 53.4–.53 8.13S 117.66E 0 4.7,4.7b **¶11160916**
ISCJB VIII 09 00 01 55.1–1.2 8.16S–.04 117.75E–.04 20–8 4.8b,4.0s
DJA VIII 09 00 01 57 8.10S 117.80E 18 4.9b,4.0s
NEIC VIII 09 00 01 59.0–.95 8.17S 117.72E 39–9 4.8b,4.0s
BJI VIII 09 00 01 58.4 8.20S 117.70E 38 4.9b,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=24.6km s-min=10.9km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=7.7km s-min=4.6km az=36.1.
NEIC Event type fe. Error ellipse: s-maj=10.6km s-min=5.4km az=59.0. Felt [II] at Sumbawa Besar.
IDC VIII 10 01 56 45.4–3.1 8.15S 118.22E 0 4.1,4.0
¶12581001
IDC Error ellipse: s-maj=396.7km s-min=28.8km az=55.0.
IDC VIII 12 17 54 53.1–2.2 9.60S 116.16E 0 3.6,3.5
¶12581039
IDC Error ellipse: s-maj=135.8km s-min=12.9km az=49.0.
DJA VIII 15 11 50 23 9.94S 117.74E 124 4.3
¶12922292
IDC VIII 23 01 58 29.4–2.1 8.41S 118.89E 0 4.1L,4.1
¶12581303
IDC Error ellipse: s-maj=147.1km s-min=20.5km az=57.0.
IDC VIII 23 04 44 43.8–2.9 8.08S 117.63E 0 3.7,3.6
¶12581308
IDC Error ellipse: s-maj=176.4km s-min=24.3km az=54.0.
DJA IX 05 10 21 13 8.55S 117.64E 12 3.8
¶12922518
DJA IX 07 09 22 44 8.44S 118.74E 200 3.7
¶12922531
ISC IX 08 17 36 21.2–.73 8.24S–.04 118.53E–.03 28–6 4.0b 53 0-145
IDC IX 08 17 36 17.4–.79 8.16S 118.72E 0 4.1,4.0L **¶11909824**
ISCJB IX 08 17 36 20.2–.45 8.20S–.04 118.53E–.03 34–6 4.0b,4.0L
DJA IX 08 17 36 20 8.25S 118.47E 19 4.4,4.0L
NEIC IX 08 17 36 20.9–.50 8.22S 118.55E 25 4.1b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=11.6km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.2km az=13.6.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=7.4km az=69.0.
ISC IX 10 13 34 55.2–.80 8.10S–.06 118.58E–.07 53–13 3.3b 11 0-63
DJA IX 10 13 34 47 8.51S 119.14E 113 3.9 **¶11909956**
IDC IX 10 13 34 48.7–2.6 8.17S 118.12E 0 3.6,3.5
ISCJB IX 10 13 34 54.3–.76 8.04S–.07 118.53E–.08 70–9 3.2b,3.5
DJA IX 10 16 04 28 9.20S 117.97E 128 4.2
¶12922564
ISC IX 18 05 23 56.6–.44 8.57S–.06 118.45E–.04 137–5 3.5b 33 0-118
IDC IX 18 05 23 54.8–3.6 8.65S 118.12E 127–29 3.4,3.3b **¶11910533**
ISCJB IX 18 05 23 55.7–.45 8.55S–.07 118.43E–.04 145–6 3.5b,3.3b
NEIC IX 18 05 23 55.3–1.5 8.64S 118.19E 132–15 4.5b,3.3b
DJA IX 18 05 23 58 8.28S 118.41E 109 4.3,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=69.4km s-min=18.0km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=5.4.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=9.9km az=70.0.
DJA IX 19 10 44 39 9.14S 116.52E 118 3.7
¶12922637
ISC IX 24 20 28 06.8–.41 8.16S–.04 117.72E–.04 35 3.9b,3.1s 28 2-57
IDC IX 24 20 28 03.0–2.2 8.11S 117.88E 0 4.0,3.9b **¶11910958**
NEIC IX 24 20 28 03.0–6.3 8.14S 117.81E 2–42 4.0,3.9b
DJA IX 24 20 28 04 8.12S 117.77E 7 4.0,3.9b
ISCJB IX 24 20 28 05.0–.41 8.16S–.04 117.74E–.04 33 3.9b,3.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 25 00 47 28.8–1.5 8.09S–.05 117.75E–.04 23–13 4.0b 32 1-70
IDC IX 25 00 47 25.8–2.0 8.05S 117.91E 0 3.8L,3.7 **¶11910977**
ISCJB IX 25 00 47 28.3–1.6 8.08S–.05 117.78E–.04 33–13 4.0b,3.7
DJA IX 25 00 47 29 8.14S 117.74E 62 4.2,3.7
NEIC IX 25 00 47 30.8–.38 8.05S 118.01E 35 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=51.8km s-min=22.2km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.4km az=147.9.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.8km az=73.0.
DJA IX 28 12 50 02 9.15S 118.01E 7 4.1
¶12922694
ISC X 04 15 20 01.0–1.0 8.10S–.04 117.99E–.03 29–9 4.2b 70 1-76
NEIC X 04 15 19 57.2–3.7 8.03S 118.01E 3–24 4.3b **¶12065909**
IDC X 04 15 19 57.1–.87 8.05S 118.00E 0 4.3L,4.2
ISCJB X 04 15 19 59.8–.53 8.10S–.04 118.00E–.03 38–6 4.2b,4.2
DJA X 04 15 20 01 8.05S 117.95E 39 4.6,4.2
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=15.4km s-min=6.1km az=51.0. Felt [III] at Dompu.
IDC Error ellipse: s-maj=44.6km s-min=16.7km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=6.7km s-min=5.3km az=26.5.
ISC X 04 16 08 10.3–.80 8.2S–.20 118.0E–.20 10 4.0b 13 12-57
IDC X 04 16 08 08.8–3.8 8.24S 117.79E 0 3.8,3.7b **¶12065914**
NEIC X 04 16 08 09.5–.85 8.21S 117.74E 10 4.5b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=198.8km s-min=26.7km az=60.0.
NEIC Event type se. Error ellipse: s-maj=37.8km s-min=11.0km az=52.0.
DJA X 10 04 11 40 9.14S 117.29E 101 3.8
¶12922773
DJA X 13 09 16 03 8.82S 116.78E 82 3.6
¶12922798
ISC X 15 14 07 29.5–.66 8.7S–.20 116.13E–.04 111–8 3.6b 19 0-33
IDC X 15 14 07 09.0–11 7.67S 115.76E 0 3.7,3.5b **¶12068688**
ISCJB X 15 14 07 28.6–.65 8.7S–.20 116.13E–.04 115–7 3.6b,3.5b
DJA X 15 14 07 29 8.60S 116.12E 103 3.5,3.5b
IDC Error ellipse: s-maj=254.0km s-min=146.3km az=19.0.
ISCJB Error ellipse: s-maj=29.6km s-min=6.6km az=5.6.
ISC X 16 01 56 56.5–1.2 8.03S–.04 117.91E–.03 16–8 3.8b,3.4s 34 1-70
IDC X 16 01 56 54.1–1.6 8.04S 118.13E 0 3.9,3.9L **¶12068724**
DJA X 16 01 56 57 8.00S 117.92E 29 4.3,3.9L
IDC Error ellipse: s-maj=45.3km s-min=20.0km az=69.0.
IDC X 17 22 27 14.1–8.2 8.97S 118.20E 98–74 3.2L,3.2b
¶12068930
IDC Error ellipse: s-maj=91.0km s-min=18.4km az=66.0.
DJA X 20 17 25 39 8.30S 118.05E 115 4.2
¶12922850
DJA X 25 21 09 07 9.02S 116.11E 91 3.5
¶12922883
ISC X 28 17 41 44.8–.37 8.82S–.07 116.20E–.03 115–5 3.8b 44 0-63
NEIC X 28 17 41 37.8–2.8 8.43S 116.25E 56–25 4.8b **¶12071357**
IDC X 28 17 41 38.4–6.6 8.49S 116.22E 61–61 4.0,3.9
ISCJB X 28 17 41 43.9–.38 8.80S–.07 116.20E–.03 120–5 3.8b,3.9
DJA X 28 17 41 45 8.72S 116.16E 106 4.3,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=15.7km az=75.0.
IDC Error ellipse: s-maj=56.1km s-min=28.5km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.0km az=1.1.
DJA X 28 19 22 54 9.44S 116.40E 67 3.6
¶12922900
IDC X 29 07 08 36.1–18 8.33S 117.53E 0 3.8,3.7b
¶12071438
IDC Error ellipse: s-maj=328.6km s-min=180.9km az=175.0.
ISC XI 03 07 42 58.3–.47 8.81S–.08 117.30E–.05 156–5 3.6b 33 1-73
NEIC XI 03 07 42 43.5–.91 9.40S 116.21E 35 3.5b **¶12072087**
IDC XI 03 07 42 56.9–4.1 8.88S 117.19E 150–32 3.4b,3.3
ISCJB XI 03 07 42 57.3–.55 8.82S–.10 117.28E–.05 166–6 3.6b,3.3
DJA XI 03 07 42 58 8.91S 117.31E 131 4.3,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=12.1km az=54.0.
IDC Error ellipse: s-maj=56.0km s-min=11.5km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=8.2km az=1.4.
ISC XI 03 10 37 57.7–.49 8.53S–.06 117.97E–.06 187–5 4.0b 47 1-117
NEIC XI 03 10 37 43.0–2.3 9.12S 116.91E 64–20 4.6b **¶12072108**
ISCJB XI 03 10 37 56.8–.49 8.53S–.05 117.97E–.06 197–6 3.9b
IDC XI 03 10 37 56.5–2.9 8.58S 117.87E 178–24 3.7,3.6b
DJA XI 03 10 38 02 7.96S 117.73E 5 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=8.8km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=8.0km az=152.8.
IDC Error ellipse: s-maj=43.4km s-min=8.6km az=49.0.
ISC XI 08 11 24 33.6–1.1 8.23S–.04 118.84E–.04 11–7 3.4b 30 0-64
IDC XI 08 11 24 28.7–2.1 8.11S 118.62E 0 3.7,3.5 **¶12072813**
NEIC XI 08 11 24 31.4–1.2 8.15S 118.52E 25 3.6b,3.5
ISCJB XI 08 11 24 33.4–.85 8.27S–.04 118.87E–.04 25–7 3.4b,3.5
DJA XI 08 11 24 33 8.16S 118.78E 8 3.9,3.5
ISC Event type se.
IDC Error ellipse: s-maj=182.9km s-min=22.2km az=54.0.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=11.9km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=6.2km az=136.4.
ISC XI 10 11 43 18.2–1.2 8.19S–.04 117.85E–.03 20–10 4.0b,3.3s 66 1-70
ISCJB XI 10 11 43 16.3–1.5 8.20S–.04 117.88E–.03 20–13 4.0b,3.3s **¶12073062**
IDC XI 10 11 43 16.0–.75 8.34S 117.68E 0 4.0,4.0
DJA XI 10 11 43 19 8.15S 117.83E 41 4.4b,4.0
NEIC XI 10 11 43 21.3–.52 8.11S 118.03E 35 3.9b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.5km az=164.9.
IDC Error ellipse: s-maj=39.2km s-min=14.6km az=61.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=7.9km az=59.0.
IDC XI 14 20 21 55.8–8.5 8.97S 117.56E 198–97 3.1,2.9b
¶12073555
IDC Error ellipse: s-maj=125.3km s-min=36.8km az=52.0.
ISC XI 18 01 09 17.7–.41 8.69S–.07 117.56E–.04 160–4 3.9b 47 1-145
ISCJB XI 18 01 09 16.5–.43 8.68S–.07 117.56E–.04 167–4 3.9b **¶12073951**
NEIC XI 18 01 09 17.8–1.9 8.69S 117.54E 164–18 3.9b
IDC XI 18 01 09 17.9–2.2 8.50S 117.69E 162–19 4.0s,4.0
DJA XI 18 01 09 18 9.17S 117.53E 118 4.0,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=6.7km az=9.4.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=10.4km az=73.0.
IDC Error ellipse: s-maj=31.7km s-min=10.2km az=54.0.
DJA XI 25 17 43 20 8.08S 117.69E 26 3.6
¶12923176
ISC XI 29 02 52 52.8–1.5 9.19S–.08 116.92E–.04 4–10 3.5b 20 1-58
IDC XI 29 02 52 55.3–2.4 9.48S 116.99E 0 3.6,3.4b **¶12075216**
DJA XI 29 02 52 55 9.02S 116.93E 12 3.8,3.4b
IDC Error ellipse: s-maj=116.1km s-min=25.0km az=57.0.
ISC XII 05 00 41 13.0–.31 8.13S–.04 118.18E–.03 207–4 4.0b 70 1-135
ISCJB XII 05 00 41 12.1–.32 8.11S–.04 118.17E–.03 219–4 4.0b **¶12075814**

IDC XII 05 00 41 12.3–1.6 8.02S 118.08E 208–13 3.9,3.8
NEIC XII 05 00 41 12.2–.75 8.09S 118.03E 210–7 4.4b,3.8
DJA XII 05 00 41 14 8.24S 118.21E 186 4.4,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.4km az=5.8.
IDC Error ellipse: s-maj=22.9km s-min=7.4km az=56.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=6.6km az=60.0.
DJA XII 06 14 49 04 9.70S 116.72E 9 3.6
¶12923309
IDC XII 12 07 16 23.0–3.0 8.52S 118.53E 151–25 3.3,3.2
¶12077068
IDC Error ellipse: s-maj=36.1km s-min=12.0km az=58.0.
ISC XII 12 13 46 28.5–1.8 8.24S–.03 117.94E–.03 9–12 4.1b 58 2-117
ISCJB XII 12 13 46 27.6–1.6 8.25S–.04 117.97E–.03 15–10 4.1b ¶12077133
IDC XII 12 13 46 27.3–.97 8.11S 118.02E 0 4.2L,4.2
NEIC XII 12 13 46 28.6–.54 8.17S 117.91E 10 4.0b,4.2
DJA XII 12 13 46 29 8.24S 117.91E 11 4.5,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.7km az=177.5.
IDC Error ellipse: s-maj=32.8km s-min=11.4km az=53.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=7.3km az=65.0.
DJA XII 12 15 47 40 9.85S 116.38E 19 3.7
¶12923395
DJA XII 15 23 07 41 8.25S 116.08E 128 3.5
¶12923421
ISC XII 17 15 00 54.4–.51 9.09S–.06 118.64E–.03 116–9 26 2-64
IDC XII 17 15 00 43.4–2.6 8.18S 119.54E 0 3.4,3.3 ¶12077926
ISCJB XII 17 15 00 53.1–.52 9.11S–.06 118.64E–.03 125–8 3.4,3.3
DJA XII 17 15 00 54 9.14S 118.63E 110 4.1,3.3
IDC Error ellipse: s-maj=251.8km s-min=27.5km az=52.0.
ISCJB Error ellipse: s-maj=9.5km s-min=5.1km az=178.4.
ISC XII 25 12 08 36.2–.55 8.17S–.04 118.77E–.05 51–8 4.2b,3.3s 48 3-146
IDC XII 25 12 08 29.3–.82 8.16S 118.44E 0 4.3L,4.2 ¶12078928
DJA XII 25 12 08 33 8.16S 118.79E 10 4.6,4.2
NEIC XII 25 12 08 34.3–.40 8.19S 118.53E 35 3.9b,4.2
ISCJB XII 25 12 08 35.2–.69 8.11S–.04 118.72E–.05 60–9 4.2b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 25 14 00 56.6–.39 8.92S–.04 118.88E–.03 119–5 3.8b 45 2-69
ISCJB XII 25 14 00 55.2–.38 8.94S–.04 118.89E–.03 129–5 3.7b ¶12078938
NEIC XII 25 14 00 56.6–1.9 8.88S 118.92E 118–17 3.5b
DJA XII 25 14 00 56 8.92S 118.86E 109 4.0
IDC XII 25 14 00 57.5–4.0 8.84S 118.96E 126–36 4.4s,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.5km az=15.5.
NEIC Event type se. Error ellipse: s-maj=38.7km s-min=7.0km az=61.0.
IDC Error ellipse: s-maj=60.0km s-min=11.9km az=66.0.
DJA XII 26 01 46 17 9.79S 116.22E 10 3.7
¶12923517
IDC XII 27 16 19 37.6–2.4 9.45S 118.82E 0 3.3,3.2
¶12079190
IDC Error ellipse: s-maj=197.2km s-min=24.4km az=52.0.

(286) Flores region.

ISC VII 11 00 14 28.7–1.0 8.11S–.07 119.93E–.09 191–11 3.6b 26 3-86
ISCJB VII 11 00 14 27.6–1.1 8.08S–.07 119.92E–.09 196–11 3.5b ¶11811228
IDC VII 11 00 14 28.8–2.2 8.13S 119.92E 194–21 3.2b,3.2
NEIC VII 11 00 14 28.5–.78 8.10S 119.90E 188–8 3.7b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=8.4km az=146.2.
IDC Error ellipse: s-maj=61.0km s-min=12.8km az=56.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.8km az=60.0.
IDC VII 12 20 25 47.4–1.8 8.27S 122.92E 0 3.4b,3.4
¶12698169
IDC Error ellipse: s-maj=144.2km s-min=26.9km az=61.0.
IDC VII 14 14 14 21.5–1.8 8.18S 123.66E 0 3.7,3.5L
¶12698214
IDC Error ellipse: s-maj=121.8km s-min=27.3km az=63.0.
ISC VII 28 01 20 51.7–.64 8.58S–.09 121.3E–.10 202–7 3.5b 21 1-145
IDC VII 28 01 20 47.0–5.1 8.25S 121.19E 142–50 3.7,3.6 ¶11812750
NEIC VII 28 01 20 48.5–2.5 8.25S 121.18E 157–25 4.0b,3.6
ISCJB VII 28 01 20 51.1–.64 8.51S–.08 121.2E–.10 205–7 3.5b,3.6
DJA VII 28 01 20 53 8.52S 121.32E 179 4.1,3.6
ISC Event type se.
IDC Error ellipse: s-maj=105.0km s-min=22.3km az=64.0.
NEIC Event type se. Error ellipse: s-maj=31.3km s-min=14.4km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=8.0km az=149.5.
ISC VIII 02 03 46 50.2–.33 8.43S–.04 119.02E–.03 170–4 4.2b 67 2-145
NEIC VIII 02 03 46 48.7–1.4 8.31S 118.93E 153–14 4.2b ¶11907689
ISCJB VIII 02 03 46 49.3–.34 8.40S–.04 119.00E–.03 178–4 4.2b
IDC VIII 02 03 46 50.9–2.8 8.25S 119.21E 170–27 3.9,3.8b
DJA VIII 02 03 46 51 8.46S 119.04E 132 4.8b,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=7.3km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=4.7km az=42.8.
IDC Error ellipse: s-maj=55.9km s-min=8.6km az=53.0.
ISC VIII 04 03 26 50.0–.93 8.23S–.03 120.28E–.04 32–6 5.0b,4.3s 180 1-154
BJI VIII 04 03 26 40.8 9.17S 120.73E 39 5.1b,5.0b ¶11154147
ISCJB VIII 04 03 26 46.6–.95 8.22S–.03 120.27E–.04 22–6 5.0b,4.3s
MOS VIII 04 03 26 47.9–1.1 8.12S 120.38E 33 5.1b,4.3s
NEIC VIII 04 03 26 50.4–.82 8.20S 120.31E 40–8 5.0b,4.3s
GCMT VIII 04 03 26 50.9–.20 8.06S 120.26E 26–0 5.1W,4.3s
IDC VIII 04 03 26 51.7–2.2 8.14S 120.26E 49–20 4.7,4.7
DJA VIII 04 03 26 51 8.22S 120.34E 36 5.1b,4.7
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=4.2km az=151.4.
MOS Error ellipse: s-maj=14.3km s-min=7.7km az=119.1.
NEIC Event type fe. Error ellipse: s-maj=9.0km s-min=4.8km az=57.0. Felt [III] at Ruteng, Flores and in western Sumbawa.
GCMT Event type se. Data Used: IU IC G CN II. Moment Tensor Solution. s47,c64; s72,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}3.86±.19 $M_{\theta\theta}$-4.67±.12; $M_{\phi\phi}$0.81±.15; $M_{r\theta}$-3.48±.24; $M_{\theta\phi}$-0.04±.12; $M_{\phi r}$-1.47±.40; Best double couple: NP1:ϕ_s108.00000°,δ28.00000°,λ121.00000°. NP2:ϕ_s254.00000°,δ66.00000°,λ75.00000°. Principal axes: T 5.5000,Plg65.0000°,Azm138.0000°; N 0.4500,Plg14.0000°,Azm260.0000°; P -5.9500,Plg20.0000°,Azm355.0000° $M_0$5.70000×10^{16}
IDC Error ellipse: s-maj=18.5km s-min=9.6km az=62.0.
ISC VIII 13 10 31 53.3–.52 8.52S–.04 121.68E–.04 45–6 4.5b,3.6s 69 1-154
IDC VIII 13 10 31 47.5–.54 8.31S 121.66E 0 4.4,4.3b ¶11164824
BJI VIII 13 10 31 50.1 8.66S 122.29E 51 4.9b,4.6b
ISCJB VIII 13 10 31 52.0–.55 8.54S–.04 121.66E–.04 53–6 4.5b,3.6s
NEIC VIII 13 10 31 52.0–.40 8.46S 121.55E 35 4.8b,3.6s
DJA VIII 13 10 31 52 8.61S 121.64E 14 4.7,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=11.2km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=6.0km az=151.5.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=7.6km az=64.0.
ISC VIII 28 02 59 36.9–.31 8.79S–.03 119.03E–.02 152–2 5.1b 319 2-170
ISCJB VIII 28 02 59 35.8–.32 8.75S–.03 119.03E–.02 156–2 5.1b ¶11222386
MOS VIII 28 02 59 35.0–1.2 8.49S 119.12E 138 5.2b,4.4s
IDC VIII 28 02 59 36.5–1.0 8.66S 119.12E 140–8 4.7,4.7
GCMT VIII 28 02 59 37.4–.30 8.74S 118.98E 143–2 5.0W,4.7
DJA VIII 28 02 59 37 8.93S 118.96E 104 5.2b,4.7
NEIC VIII 28 02 59 39.1–.98 8.63S 119.09E 166–8 5.1b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.4km az=9.9.
MOS Error ellipse: s-maj=12.2km s-min=6.1km az=117.4.
IDC Error ellipse: s-maj=11.8km s-min=6.8km az=57.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s32,c38; s83,c118; Moment tensor: Scale 10^{16}Nm; M_{rr}2.24±.12 $M_{\theta\theta}$-1.30±.17; $M_{\phi\phi}$-0.94±.21; $M_{r\theta}$1.29±.09; $M_{\theta\phi}$3.52±.12; $M_{\phi r}$1.51±.12; Best double couple: NP1:ϕ_s98.00000°,δ60.00000°,λ34.00000°. NP2:ϕ_s349.00000°,δ61.00000°,λ145.00000°. Principal axes: T 4.3100,Plg44.0000°,Azm313.0000°; N 0.3400,Plg46.0000°,Azm135.0000°; P -4.6500,Plg1.0000°,Azm44.0000° $M_0$4.50000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=59.0.
ISC VIII 29 23 15 20.6–.40 8.32S–.04 119.73E–.05 175–4 4.4b 74 1-147
ISCJB VIII 29 23 15 19.3–.42 8.28S–.04 119.70E–.05 179–4 4.4b ¶11653128
BJI VIII 29 23 15 19.2 8.20S 119.80E 175 4.9b,4.5b
IDC VIII 29 23 15 19.7–.86 8.17S 119.74E 166–8 4.1,4.0b
NEIC VIII 29 23 15 20.2–1.3 8.19S 119.76E 175–12 4.2b,4.0b
DJA VIII 29 23 15 21 8.42S 119.73E 163 4.7,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.9km az=150.1.
IDC Error ellipse: s-maj=26.5km s-min=10.8km az=63.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.2km az=55.0.
ISC IX 02 11 00 04.2–.29 8.46S–.03 120.45E–.02 203–3 5.0b 251 1-154
ISCJB IX 02 11 00 03.5–.31 8.45S–.03 120.44E–.02 212–3 5.0b ¶11226749
NEIC IX 02 11 00 03.3–1.1 8.28S 120.57E 190–11 5.1b
DJA IX 02 11 00 04 8.59S 120.51E 198 5.3W
MOS IX 02 11 00 04.0–1.1 8.14S 120.63E 213 5.0b
IDC IX 02 11 00 04.5–.99 8.29S 120.60E 203–8 4.6,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.7km az=14.8.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.3km az=51.0.
MOS Error ellipse: s-maj=16.4km s-min=7.6km az=121.8.
IDC Error ellipse: s-maj=14.0km s-min=6.5km az=58.0.
IDC IX 05 14 27 15.2–15 8.30S 119.20E 119–105 3.3L,3.2
¶11909533
IDC Error ellipse: s-maj=170.8km s-min=111.1km az=64.0.
ISC IX 06 19 41 16.2–.68 8.26S–.07 122.4E–.10 188–9 3.6b 14 0-65
ISCJB IX 06 19 41 14.8–.67 8.30S–.07 122.42E–.10 196–9 3.4b ¶11909629
IDC IX 06 19 41 16.1–3.5 8.44S 122.09E 191–39 3.3,3.2b
DJA IX 06 19 41 18 8.14S 122.24E 164 3.3,3.2b
ISCJB Error ellipse: s-maj=17.0km s-min=10.0km az=154.3.
IDC Error ellipse: s-maj=103.0km s-min=11.9km az=59.0.
ISC IX 11 01 47 15.7–.71 8.1S–.10 119.85E–.07 138–9 4.2b 25 1-68
IDC IX 11 01 47 01.7–1.6 7.50S 120.08E 0 4.0L,4.0 ¶11910023
NEIC IX 11 01 47 11.6–3.7 8.08S 119.63E 99–39 4.0L,4.0
ISCJB IX 11 01 47 14.7–.69 8.2S–.10 119.82E–.08 155–8 4.2b,4.0
DJA IX 11 01 47 15 8.91S 119.99E 86 4.1,4.0
ISC Event type se.
IDC Error ellipse: s-maj=142.1km s-min=20.3km az=58.0.
NEIC Event type se. Error ellipse: s-maj=40.3km s-min=20.3km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=7.8km az=28.5.
IDC IX 13 09 01 50.8–1.7 8.25S 121.78E 0 3.7,3.6
¶11910168
IDC Error ellipse: s-maj=136.7km s-min=25.3km az=62.0.
IDC IX 24 18 52 06.9–3.3 8.36S 119.48E 168–32 3.2b,3.2
¶11910948
IDC Error ellipse: s-maj=69.1km s-min=16.4km az=51.0.
IDC IX 30 17 52 41.2–6.8 8.63S 120.14E 73–72 3.4b,3.3
¶11911472
IDC Error ellipse: s-maj=161.5km s-min=29.9km az=53.0.
ISC X 02 08 42 25.1–3.6 8.2S–.20 119.7E–.20 135–35 4.3b 17 11-64
ISCJB X 02 08 42 24.6–3.8 8.2S–.20 119.7E–.20 152–37 4.3b ¶11911700
NEIC X 02 08 42 25.2–2.6 8.18S 119.66E 139–25 4.5b
IDC X 02 08 42 25.3–7.0 8.28S 119.47E 142–72 3.7,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=38.1km s-min=22.1km az=156.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=13.7km az=63.0.
IDC Error ellipse: s-maj=120.9km s-min=25.4km az=57.0.
IDC X 05 19 48 37.8–7.2 8.06S 119.31E 219–79 3.1b,3.1
¶12066054
IDC Error ellipse: s-maj=143.3km s-min=32.8km az=51.0.
ISC X 08 16 52 54.7–.80 8.8S–.10 123.4E–.20 35 3.7b 17 9-71
IDC X 08 16 52 49.5–1.3 8.71S 123.51E 0 3.8b,3.8 ¶12066348
ISCJB X 08 16 52 52.3–.80 8.9S–.10 123.4E–.20 33 3.7b,3.8
NEIC X 08 16 52 54.7–.63 8.82S 123.45E 35 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=128.6km s-min=21.9km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=28.2km s-min=11.6km az=156.6.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=9.2km az=67.0.
ISC X 13 08 55 01.4–2.2 8.19S–.05 119.48E–.08 5–17 3.6b 22 1-64
IDC X 13 08 54 59.7–1.6 8.25S 119.43E 0 3.7,3.7L ¶12068542
DJA X 13 08 55 02 8.22S 119.42E 6 4.2,3.7L
NEIC X 13 08 55 05.2–1.2 8.12S 119.62E 35 3.7b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=78.2km s-min=19.7km az=61.0.
NEIC Event type se. Error ellipse: s-maj=47.9km s-min=10.3km az=63.0.
ISC X 18 13 01 32.9–.37 8.27S–.05 119.80E–.05 197–4 3.9b 45 1-74
ISCJB X 18 13 01 31.9–.38 8.26S–.04 119.76E–.05 203–4 3.9b ¶12068975
NEIC X 18 13 01 33.5–2.9 7.94S 120.03E 199–31 3.9b
DJA X 18 13 01 34 8.31S 119.82E 178 4.1
IDC X 18 13 01 37.2–3.0 8.08S 120.03E 239–30 3.6b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.5km az=149.8.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=12.2km az=49.0.
IDC Error ellipse: s-maj=31.3km s-min=8.8km az=58.0.
IDC X 22 21 23 01.8–1.6 8.59S 121.58E 0 3.8,3.7b
¶12070839
IDC Error ellipse: s-maj=138.9km s-min=21.0km az=61.0.
ISC X 24 00 41 26.9–1.1 8.39S–.05 123.75E–.08 161–13 3.8b 31 10-87
ISCJB X 24 00 41 26.2–1.3 8.34S–.05 123.80E–.07 171–15 3.8b ¶12070949
NEIC X 24 00 41 27.0–1.0 8.38S 123.74E 162–12 4.0b
IDC X 24 00 41 27.0–3.8 8.41S 123.79E 163–37 3.7,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.3km az=153.7.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.8km az=64.0.
IDC Error ellipse: s-maj=79.1km s-min=13.6km az=59.0.
IDC XI 12 04 50 55.8–4.7 8.37S 119.87E 239–54 3.2,3.1b
¶12073267
IDC Error ellipse: s-maj=112.6km s-min=13.9km az=48.0.
IDC XI 15 20 45 45.1–4.8 8.62S 122.51E 95–49 3.3b,3.1
¶12073661
IDC Error ellipse: s-maj=92.4km s-min=16.2km az=55.0.
IDC XI 16 23 11 09.6–8.2 8.58S 122.02E 263–100 3.2b,2.8
¶12073799
IDC Error ellipse: s-maj=151.3km s-min=29.3km az=47.0.
ISC XI 18 00 28 33.2–.51 8.40S–.04 121.73E–.05 45–6 4.5b,3.8s 79 1-145
ISCJB XI 18 00 28 32.1–.53 8.43S–.04 121.71E–.04 56–6 4.5b,3.8s ¶12073948
NEIC XI 18 00 28 32.1–.99 8.28S 121.86E 36–10 4.2b,3.8s
IDC XI 18 00 28 32.5–.65 8.28S 121.64E 35–4 4.4L,4.1
DJA XI 18 00 28 32 8.43S 121.61E 15 4.6,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.5km az=145.7.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=6.7km az=58.0.
IDC Error ellipse: s-maj=43.0km s-min=12.8km az=70.0.
IDC XI 24 05 45 12.4–7.2 8.62S 119.79E 161–103 3.6b,3.5
¶12074649
IDC Error ellipse: s-maj=233.7km s-min=61.0km az=28.0.
IDC XI 24 11 37 19.1–1.9 8.01S 123.91E 0 3.7,3.5b
¶12074676
IDC Error ellipse: s-maj=139.8km s-min=27.7km az=64.0.
ISC XI 28 03 28 33.0–.57 8.87S–.09 124.0E–.10 35 4.0b 33 9-145
IDC XI 28 03 28 27.9–.94 8.82S 123.79E 0 4.4L,4.2 ¶12075107
ISCJB XI 28 03 28 30.8–.57 8.83S–.09 124.0E–.10 33 4.0b,4.2
NEIC XI 28 03 28 32.9–.49 8.86S 123.94E 35 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=60.7km s-min=17.7km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=8.5km az=149.4.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=7.6km az=59.0.
ISC XII 01 00 35 53.0–.52 8.15S–.05 120.35E–.05 35 3.7b 18 2-69
IDC XII 01 00 35 47.9–1.5 8.08S 120.36E 0 3.9,3.8b ¶12075376

ISCJB XII 01 00 35 50.8–.56 8.17S–.05 120.41E–.05 33 3.7b,3.8b
DJA XII 01 00 35 50 8.07S 120.30E 10 3.7,3.8b
IDC Error ellipse: s-maj=164.7km s-min=19.9km az=57.0.
ISCJB Error ellipse: s-maj=7.2km s-min=6.7km az=139.3.
ISC XII 09 13 00 07.5–.42 8.08S–.05 122.72E–.05 219–5 4.0b 53 1-65
ISCJB XII 09 13 00 06.5–.42 8.07S–.05 122.74E–.04 225–5 4.0b **¶12076547**
NEIC XII 09 13 00 06.7–1.1 7.88S 122.99E 203–14 4.4b
DJA XII 09 13 00 07 8.08S 122.69E 224 4.1
IDC XII 09 13 00 07.2–1.6 7.99S 122.76E 214–17 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.1km az=41.1.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=7.9km az=56.0.
IDC Error ellipse: s-maj=35.9km s-min=10.7km az=58.0.
ISC XII 12 01 30 14.1–.78 8.4S–.10 119.8E–.10 185–6 3.9b 26 1-64
ISCJB XII 12 01 30 12.5–.79 8.3S–.10 119.8E–.10 191–7 3.8b **¶12923390**
DJA XII 12 01 30 12 10.39S 118.36E 50 4.3
NEIC XII 12 01 30 15.7–3.8 8.13S 120.08E 202–42 4.0b
IDC XII 12 01 30 16.5–2.9 8.39S 119.81E 212–32 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.3km s-min=11.2km az=43.1.
NEIC Event type se. Error ellipse: s-maj=49.0km s-min=19.9km az=222.0.
IDC Error ellipse: s-maj=85.4km s-min=12.9km az=51.0.
ISC XII 18 19 50 14.4–1.1 8.1S–.10 120.0E–.10 205–12 3.4b 27 3-119
ISCJB XII 18 19 50 12.9–1.1 8.1S–.10 119.9E–.10 209–11 3.4b **¶12078085**
IDC XII 18 19 50 13.4–2.8 8.23S 119.85E 199–25 3.2b,3.2
NEIC XII 18 19 50 13.7–.92 8.17S 119.92E 201–10 3.5b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=9.1km az=148.6.
IDC Error ellipse: s-maj=85.5km s-min=13.7km az=62.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=7.3km az=62.0.
ISC XII 21 20 45 27.5–.61 8.05S–.04 120.51E–.06 35–8 4.2b 38 2-154
IDC XII 21 20 45 23.0–.77 8.13S 120.16E 0 4.2,4.1 **¶12078491**
DJA XII 21 20 45 25 8.05S 120.52E 12 4.3,4.1
ISCJB XII 21 20 45 26.1–.64 8.08S–.04 120.51E–.06 46–8 4.2b,4.1
NEIC XII 21 20 45 42.5–.61 8.49S 120.50E 200 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=14.9km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=6.1km az=154.6.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=9.6km az=57.0.
IDC XII 21 20 58 07.3–3.9 8.52S 119.77E 181–29 3.3,3.3b
¶12078492
IDC Error ellipse: s-maj=117.0km s-min=14.2km az=64.0.
ISC XII 24 01 34 55.8–.68 8.04S–.04 120.41E–.08 42–9 3.8b 27 2-69
IDC XII 24 01 34 50.0–1.4 8.11S 120.17E 0 3.8,3.7b **¶12078755**
DJA XII 24 01 34 51 8.01S 120.43E 10 3.6,3.7b
ISCJB XII 24 01 34 54.7–.67 8.04S–.04 120.41E–.08 56–9 3.8b,3.7b
NEIC XII 24 01 34 55.5–1.7 7.99S 120.50E 37–17 3.9b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=84.8km s-min=17.2km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=5.7km az=161.1.
NEIC Event type se. Error ellipse: s-maj=66.9km s-min=9.1km az=61.0.

(287) Sumba region.

ISC VIII 03 22 32 20.6–.38 9.43S–.04 120.41E–.03 97–4 4.7b 125 0-153
BJI VIII 03 22 32 10.5 9.20S 120.50E 10 4.9b,4.7b **¶11154143**
IDC VIII 03 22 32 15.0–6.0 9.15S 120.45E 33–46 4.5,4.5L
NEIC VIII 03 22 32 17.6–.89 9.25S 120.46E 64–9 4.6b,4.5L
ISCJB VIII 03 22 32 19.4–.42 9.46S–.04 120.39E–.03 106–4 4.7b,4.5L
DJA VIII 03 22 32 20 9.54S 120.40E 74 5.0b,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=15.0km az=60.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.5km az=221.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.9km az=21.2.
IDC VIII 09 11 11 28.9–5.1 10.06S 119.25E 0 3.8b,3.7
¶12580991
IDC Error ellipse: s-maj=505.8km s-min=32.6km az=53.0.
ISC VIII 17 20 54 49.1–.38 9.27S–.03 119.06E–.03 98–3 4.8b 189 3-154
MOS VIII 17 20 54 40.3–.93 9.02S 119.18E 33 4.9b **¶11167641**
IDC VIII 17 20 54 45.2–1.6 9.11S 119.29E 62–14 4.9,4.7s
ISCJB VIII 17 20 54 47.9–.41 9.23S–.03 119.06E–.03 102–4 4.8b,4.7s
NEIC VIII 17 20 54 49.0–1.5 9.14S 119.15E 97–13 4.6b,4.7s
DJA VIII 17 20 54 48 9.47S 119.07E 52 5.4b,4.7s
BJI VIII 17 20 54 48.9 9.10S 119.20E 105 5.2b,4.8b
ISC Event type fe.
MOS Error ellipse: s-maj=15.5km s-min=8.2km az=113.5.
IDC Error ellipse: s-maj=17.6km s-min=8.7km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=4.0km az=27.8.
NEIC Event type fe. Error ellipse: s-maj=13.1km s-min=7.0km az=64.0. Felt [III] at Waingapu. Also felt [III] at Dompu, Sumbawa.
ISC IX 01 23 31 49.2–.51 10.15S–.05 119.54E–.04 52–6 4.1b 39 1-70
IDC IX 01 23 31 43.9–1.6 9.72S 119.83E 0 4.0,3.9b **¶11909250**
ISCJB IX 01 23 31 47.5–.61 10.14S–.05 119.51E–.04 55–7 4.1b,3.9b
DJA IX 01 23 31 47 10.20S 119.48E 17 4.6,3.9b
NEIC IX 01 23 31 48.1–.32 10.03S 119.45E 35 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=133.2km s-min=22.6km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.5km az=22.3.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.0km az=56.0.
DJA IX 08 13 58 45 10.36S 119.47E 20 3.9
¶12922544
ISC IX 16 22 05 39.9–.49 10.38S–.04 120.21E–.04 50–5 4.6b,3.6s 79 1-152
IDC IX 16 22 05 34.4–.69 10.17S 120.23E 0 4.3,4.2 **¶11277612**
ISCJB IX 16 22 05 38.0–.57 10.43S–.04 120.17E–.04 55–6 4.6b,3.6s
NEIC IX 16 22 05 38.5–.82 10.33S 120.22E 37–8 4.8b,3.6s
DJA IX 16 22 05 40 10.43S 120.21E 30 5.0b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=14.2km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.4km az=33.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.8km az=63.0.
DJA IX 21 14 03 49 9.42S 120.50E 9 3.7
¶12922651
IDC X 05 00 13 39.0–2.2 9.10S 120.91E 0 3.7b,3.5
¶12065947
IDC Error ellipse: s-maj=158.9km s-min=25.7km az=55.0.
DJA X 12 08 43 11 10.19S 119.20E 17 4.1
¶12922791
ISC XI 01 21 02 45.7–.43 9.07S–.05 119.01E–.03 119–4 4.5b 87 3-145
NEIC XI 01 21 02 43.2–1.1 9.05S 118.80E 89–11 4.7b **¶12071908**
DJA XI 01 21 02 43 9.18S 119.06E 10 4.9
ISCJB XI 01 21 02 44.5–.45 9.08S–.05 119.02E–.03 128–4 4.5b
IDC XI 01 21 02 44.5–2.2 8.92S 118.96E 96–19 4.0,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=6.9km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.5km az=10.3.
IDC Error ellipse: s-maj=28.3km s-min=11.7km az=69.0.
IDC XI 08 07 27 23.7–2.7 9.62S 120.75E 0 3.4b,3.3L
¶12072793
IDC Error ellipse: s-maj=223.9km s-min=27.6km az=50.0.
ISC XI 18 09 00 54.7–.51 9.63S–.06 120.77E–.05 108–5 3.9b 31 0-72
IDC XI 18 09 00 44.2–1.6 8.94S 121.10E 0 3.9,3.8b **¶12073992**
NEIC XI 18 09 00 49.3–.76 8.96S 121.18E 35 4.0b,3.8b
ISCJB XI 18 09 00 53.7–.53 9.62S–.06 120.76E–.06 116–5 3.9b,3.8b
DJA XI 18 09 00 59 9.12S 120.71E 14 3.7,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=137.7km s-min=21.8km az=59.0.
NEIC Event type se. Error ellipse: s-maj=42.2km s-min=10.1km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.1km az=32.8.
IDC XII 15 17 01 24.8–2.7 9.48S 119.58E 0 3.5,3.3L
¶12077632
IDC Error ellipse: s-maj=229.7km s-min=27.5km az=50.0.
ISC XII 22 10 53 39.4–.83 9.88S–.09 119.37E–.05 61–10 4.0b 17 1-70
IDC XII 22 10 53 32.7–2.6 9.60S 119.34E 0 4.0b,4.0 **¶12078550**
DJA XII 22 10 53 35 10.28S 119.36E 70 4.4,4.0
ISCJB XII 22 10 53 38.4–.83 9.77S–.09 119.34E–.05 64–9 4.0b,4.0

(288) Savu Sea.

ISC X 08 03 04 41.4–1.2 9.2S–.20 122.3E–.30 182–14 3.9b 22 5-71
ISCJB X 08 03 04 40.5–1.2 9.2S–.20 122.2E–.30 186–14 3.9b **¶12066310**
NEIC X 08 03 04 41.5–1.2 8.98S 122.45E 173–15 3.9b
IDC X 08 03 04 41.4–2.5 8.86S 122.57E 172–29 3.6b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=58.9km s-min=8.6km az=150.6.
NEIC Event type se. Error ellipse: s-maj=68.2km s-min=9.5km az=58.0.
IDC Error ellipse: s-maj=122.7km s-min=15.5km az=58.0.
IDC X 25 18 40 52.8–5.6 9.01S 121.18E 94–70 3.7L,3.6b
¶12071094
IDC Error ellipse: s-maj=182.0km s-min=40.5km az=43.0.
IDC X 26 18 23 29.5–1.4 9.20S 122.42E 0 3.8,3.7
¶12071178
IDC Error ellipse: s-maj=135.3km s-min=22.8km az=62.0.
ISC XII 19 10 16 34.6–1.3 9.87S–.07 122.78E–.10 89–15 3.8b 32 6-71
ISCJB XII 19 10 16 33.8–1.4 9.86S–.06 122.65E–.10 98–16 3.8b **¶12078190**
IDC XII 19 10 16 34.5–2.8 9.69S 122.74E 77–30 4.2s,4.2
NEIC XII 19 10 16 35.0–1.7 9.78S 122.70E 84–22 4.0b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=7.9km az=155.8.
IDC Error ellipse: s-maj=70.6km s-min=23.3km az=62.0.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=12.7km az=54.0.

(289) Timor region.

IDC VII 04 02 15 21.2–1.8 9.21S 124.41E 0 3.9,3.8b
¶12697996
IDC Error ellipse: s-maj=112.4km s-min=27.5km az=64.0.
ISC VII 07 18 38 08.6–1.2 9.41S–.10 124.1E–.10 107–18 3.5b 12 6-67
IDC VII 07 18 38 06.9–4.1 9.05S 124.48E 80–49 3.7L,3.6 **¶11810906**
ISCJB VII 07 18 38 07.3–1.4 9.41S–.09 124.0E–.10 112–19 3.5b,3.6
NEIC VII 07 18 38 08.8–1.2 9.31S 124.14E 107–19 3.6b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=105.2km s-min=23.3km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=9.4km az=150.4.
NEIC Event type se. Error ellipse: s-maj=33.0km s-min=11.4km az=50.0.
ISC VII 10 22 17 30.6–3.7 8.5S–.20 125.2E–.20 83–40 3.7b 15 10-77
IDC VII 10 22 17 21.3–1.8 8.23S 125.00E 0 3.5,3.3b **¶11811219**
NEIC VII 10 22 17 26.2–.51 8.08S 125.35E 35 4.2b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=108.2km s-min=27.1km az=67.0.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=7.6km az=58.0.
ISC VII 11 13 11 06.6–2.0 8.06S–.09 127.84E–.09 122–22 3.7b 18 6-72
IDC VII 11 13 10 54.8–1.1 7.57S 127.80E 0 4.0,3.9b **¶11811267**
NEIC VII 11 13 11 03.0–2.3 7.81S 127.49E 68–26 3.9b,3.9b
ISCJB VII 11 13 11 03.0–2.2 7.94S–.08 127.78E–.10 100–23 3.7b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 12 12 19 27.9–1.8 10.72S 124.62E 0 3.5,3.4b
¶12698161
IDC Error ellipse: s-maj=79.2km s-min=23.0km az=63.0.
ISC VII 13 16 24 29.4–.44 9.18S–.04 124.14E–.04 113–4 4.9b 160 2-152
MOS VII 13 16 24 20.2–.96 8.82S 123.99E 33 5.2b **¶11227067**
BJI VII 13 16 24 21.5 9.64S 124.59E 105 5.2b,5.0b
NEIC VII 13 16 24 26.7–1.2 8.91S 124.01E 76–12 4.9b,5.0b
IDC VII 13 16 24 28.1–2.0 8.81S 123.95E 85–17 4.5,4.4b
ISCJB VII 13 16 24 28.5–.49 9.22S–.04 124.13E–.04 124–5 4.9b,4.4b
DJA VII 13 16 24 30 9.27S 124.07E 101 5.3W,4.4b
ISC Event type se.
MOS Error ellipse: s-maj=15.0km s-min=6.8km az=122.1.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.9km az=56.0.
IDC Error ellipse: s-maj=20.5km s-min=10.9km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.9km az=139.4.
ISC VII 17 07 55 30.7–2.4 8.8S–.20 124.8E–.10 135–22 10 8-67
IDC VII 17 07 55 16.6–1.7 8.31S 124.75E 0 4.1L,4.1 **¶11811824**
NEIC VII 17 07 55 26.8–3.4 8.92S 124.26E 93–37 4.1L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=108.5km s-min=26.2km az=66.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=25.7km az=175.0.
IDC VII 18 16 50 00.7–2.0 8.46S 126.16E 0 3.6b,3.4
¶12698289
IDC Error ellipse: s-maj=221.0km s-min=33.3km az=60.0.
IDC VIII 05 14 32 25.6–2.6 10.44S 123.89E 0 3.9b,3.8
¶12580932
IDC Error ellipse: s-maj=425.2km s-min=42.5km az=58.0.
IDC VIII 10 00 47 51.2–7.5 8.18S 126.97E 263–76 3.3,3.2
¶12581000
IDC Error ellipse: s-maj=102.6km s-min=29.2km az=64.0.
IDC VIII 12 12 05 03.7–1.9 8.06S 125.42E 0 3.8,3.7L
¶12581036
IDC Error ellipse: s-maj=186.0km s-min=36.4km az=65.0.
ISC VIII 13 11 39 58.6–2.1 8.32S–.09 126.0E–.10 118–23 3.7b 16 8-71
IDC VIII 13 11 39 54.6–6.8 8.17S 126.19E 76–78 3.6,3.5L **¶11908153**
NEIC VIII 13 11 39 58.6–2.6 8.36S 125.86E 118–30 4.3b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=46.4km s-min=34.2km az=42.0.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=18.0km az=90.0.
IDC VIII 19 20 00 36.0–1.4 9.38S 124.98E 0 3.9L,3.8
¶12581212
IDC Error ellipse: s-maj=97.5km s-min=24.1km az=68.0.
IDC VIII 20 14 22 08.3–1.8 9.58S 125.23E 0 3.8L,3.8
¶12581236
IDC Error ellipse: s-maj=157.8km s-min=31.1km az=58.0.
ISC VIII 21 10 25 42.2–2.5 8.0S–.10 124.9E–.10 70–28 3.9b 18 9-70
IDC VIII 21 10 25 34.8–1.0 7.79S 124.83E 0 4.1b,4.1 **¶11908536**
ISCJB VIII 21 10 25 38.3–2.4 8.00S–.08 124.9E–.10 49–25 4.0b,4.1
NEIC VIII 21 10 25 39.3–.70 7.91S 124.87E 35 3.8b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=53.3km s-min=19.4km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=11.2km az=156.1.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=10.5km az=62.0.
IDC VIII 21 19 04 41.2–1.4 8.46S 124.36E 0 3.7,3.6b
¶12581268
IDC Error ellipse: s-maj=104.2km s-min=22.2km az=68.0.
IDC VIII 22 12 39 36.1–2.3 10.94S 124.20E 0 3.5b,3.5
¶12581291
IDC Error ellipse: s-maj=192.1km s-min=30.5km az=54.0.
IDC VIII 25 02 01 58.1–1.9 9.16S 126.32E 0 3.9L,3.9
¶12581362
IDC Error ellipse: s-maj=252.3km s-min=32.7km az=59.0.
ISC VIII 26 21 42 52.9–.65 8.38S–.05 126.26E–.08 35 3.7b 20 10-145
IDC VIII 26 21 42 47.8–1.7 8.04S 126.46E 0 4.0,3.8L **¶11908882**
ISCJB VIII 26 21 42 50.6–.65 8.40S–.05 126.21E–.09 33 3.7b,3.8L
NEIC VIII 26 21 43 00.7–3.9 8.65S 126.14E 121–42 3.7b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=101.6km s-min=27.5km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.0km az=163.0.
NEIC Event type se. Error ellipse: s-maj=32.3km s-min=12.3km az=212.0.
IDC VIII 27 18 29 53.2–1.7 9.22S 125.23E 0 3.9,3.8L
¶12581476
IDC Error ellipse: s-maj=94.6km s-min=26.8km az=66.0.
ISC VIII 29 02 06 35.7–.66 8.01S–.04 127.88E–.07 136–7 4.1b 57 5-151
IDC VIII 29 02 06 29.8–2.9 7.71S 127.73E 64–27 4.2L,4.1 **¶11909045**
NEIC VIII 29 02 06 30.5–1.2 7.72S 127.79E 73–12 4.2b,4.1
ISCJB VIII 29 02 06 35.0–.71 7.99S–.04 127.87E–.07 145–8 4.1b,4.1
DJA VIII 29 02 06 36 8.07S 127.87E 46 4.6b,4.1

ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=13.4km az=69.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.4km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=5.6km az=155.5.
IDC IX 01 07 22 46.9–2.0 9.20S 125.09E 0 3.7,3.6b
¶11909207

IDC Error ellipse: s-maj=218.3km s-min=33.2km az=57.0.
ISC IX 03 09 26 42.5–.67 9.23S–.06 125.13E–.09 35 4.0b 24 7-124
IDC IX 03 09 26 37.4–1.3 8.84S 125.54E 0 4.3L,4.2 **¶11909358**
ISCJB IX 03 09 26 39.8–.67 9.32S–.05 125.01E–.06 33 4.0b,4.2
NEIC IX 03 09 26 42.5–.69 9.19S 125.08E 35 4.0b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=146.1km s-min=28.3km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.2km az=152.7.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=10.7km az=59.0.
IDC IX 04 14 34 41.9–1.1 10.35S 123.89E 0 3.9,3.8b
¶11909463

IDC Error ellipse: s-maj=94.6km s-min=18.9km az=60.0.
ISC IX 14 00 00 09.9–.15 8.84S–.02 126.83E–.02 33 5.7b,5.5s 513 5-170
BJI IX 14 00 00 01.1 9.39S 127.41E 28 5.7b,5.7b **¶13394305**
ISCJB IX 14 00 00 07.6–.15 8.84S–.02 126.84E–.02 31 5.7b,5.5s
MOS IX 14 00 00 07.2–.95 8.27S 126.68E 10 5.8b,5.4s
IDC IX 14 00 00 07.3–1.6 8.72S 126.80E 12–9 5.5b,5.5
NEIC IX 14 00 00 09.1–.12 8.73S 126.86E 22 5.7b,5.5s
TEH IX 14 00 00 10.0 8.77S 126.92E 35 5.7b,5.5s
DJA IX 14 00 00 11 9.12S 126.88E 37 5.7W,5.5s
GCMT IX 14 00 00 12.4–.10 9.24S 127.18E 23–0 5.6W,5.5s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.8km az=11.1.
MOS Error ellipse: s-maj=10.4km s-min=6.5km az=103.0.
IDC Error ellipse: s-maj=14.4km s-min=9.1km az=60.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.8km az=49.0. Felt at Dili. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 96, comp=199, per= 50. Moment Tensor Solution. s96,c192; s43,c49; Moment tensor: Scale 10^{17}Nm; M_{rr}2.55±.05 $M_{\theta\theta}$-2.64±.04; $M_{\phi\phi}$0.09±.04; $M_{r\theta}$1.84±.07; $M_{\theta\phi}$-1.26±.03; $M_{\phi r}$1.55±.08; Best double couple: NP1:ϕ_s265.00000°,δ27.00000°,λ117.00000°. NP2:ϕ_s55.00000°,δ66.00000°,λ77.00000°. Principal axes: T 3.5300,Plg67.0000°,Azm301.0000°; N 0.4100,Plg12.0000°,Azm61.0000° ; P -3.9500,Plg20.0000°,Azm155.0000° M_o3.70000×10^{17}
IDC IX 14 00 18 09.3–1.5 8.85S 127.15E 0 3.6,3.5b
¶11910216

IDC Error ellipse: s-maj=96.3km s-min=25.3km az=72.0.
IDC IX 14 00 22 54.0–1.5 8.79S 127.21E 0 3.7L,3.7
¶11910217

IDC Error ellipse: s-maj=95.9km s-min=25.3km az=72.0.
IDC IX 14 00 36 60.0–1.7 9.02S 124.12E 0 3.6,3.5
¶11910219

IDC Error ellipse: s-maj=124.7km s-min=26.8km az=63.0.
IDC IX 14 01 39 22.8–1.5 8.86S 127.16E 0 3.7,3.6b
¶11910223

IDC Error ellipse: s-maj=94.8km s-min=25.0km az=72.0.
IDC IX 14 02 07 54.6–1.4 8.82S 127.29E 0 4.2,4.1
NEIC IX 14 02 07 59.6–.61 8.93S 127.28E 35 4.2,4.1 **¶11910225**
IDC Error ellipse: s-maj=89.3km s-min=24.6km az=72.0.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=8.7km az=66.0.
IDC IX 14 04 14 30.5–1.3 8.92S 126.68E 0 4.3L,4.3b
NEIC IX 14 04 14 34.5–.67 9.04S 126.99E 35 4.4b,4.3b **¶11910232**
IDC Error ellipse: s-maj=100.1km s-min=24.0km az=70.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=9.9km az=59.0.
ISC IX 14 06 22 34.1–.49 9.44S–.04 123.19E–.05 109–7 4.0b 49 1-152
ISCJB IX 14 06 22 32.9–.58 9.32S–.05 123.27E–.05 108–8 4.0b **¶11910240**
NEIC IX 14 06 22 34.0–1.1 9.19S 123.36E 97–14 4.6b
IDC IX 14 06 22 33.4–3.8 8.84S 123.44E 75–31 4.0,3.8s
DJA IX 14 06 22 35 9.37S 123.14E 56 4.8b,3.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.3km az=139.2.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=9.4km az=48.0.
IDC Error ellipse: s-maj=67.6km s-min=18.6km az=65.0.
ISC IX 14 07 36 05.0–3.2 8.96S–.05 126.98E–.07 19–20 4.2b 44 7-151
IDC IX 14 07 36 02.7–.69 8.84S 126.81E 0 4.4,4.3 **¶11910242**
NEIC IX 14 07 36 07.1–.43 9.01S 126.98E 35 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=15.9km az=69.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.7km az=62.0.
IDC IX 14 10 27 15.4–1.8 8.84S 124.01E 0 3.7,3.6b
¶11910252

IDC Error ellipse: s-maj=124.2km s-min=27.4km az=63.0.
IDC IX 15 05 14 09.2–9.5 9.56S 126.99E 136–110 3.7L,3.4
¶11910316

IDC Error ellipse: s-maj=71.9km s-min=41.8km az=16.0.
ISC IX 15 15 39 59.9–3.5 9.0S–.20 125.7E–.10 74–39 3.9b 15 9-72
IDC IX 15 15 39 51.6–1.3 8.91S 125.29E 0 3.9,3.8 **¶11910339**
NEIC IX 15 15 39 56.5–.53 8.85S 125.61E 35 4.6b,3.8
ISCJB IX 15 15 39 57.3–2.9 9.0S–.10 125.6E–.10 67–30 3.9b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 16 04 58 42.8–2.0 9.16S 126.43E 0 3.9,3.8L
¶11910383

IDC Error ellipse: s-maj=165.3km s-min=32.8km az=59.0.
ISC IX 16 07 30 56.7–2.7 9.2S–.10 127.0E–.10 55–33 4.7s,4.0b 22 6-97
IDC IX 16 07 30 49.9–1.5 8.91S 127.13E 0 4.4,4.2b **¶11910386**
NEIC IX 16 07 30 55.4–.74 9.10S 126.93E 35 4.3b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=91.7km s-min=25.4km az=71.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=10.6km az=58.0.
ISC IX 16 11 15 40.8–.14 8.85S–.02 126.88E–.02 39 5.8b,5.4s 561 5-172
BJI IX 16 11 15 32.2 9.44S 127.40E 35 5.8b,5.8b **¶13394444**
IDC IX 16 11 15 35.2–.31 8.72S 126.91E 0 5.6,5.6b
ISCJB IX 16 11 15 38.7–.14 8.86S–.02 126.87E–.02 37 5.8b,5.4s
MOS IX 16 11 15 41.5–1.0 8.13S 126.72E 33 6.0b,5.3s
NEIC IX 16 11 15 41.3–.10 8.78S 126.84E 35 5.9b,5.7W
DJA IX 16 11 15 42.7–.20 9S–2.0 127E–1.0 54–3 6.2,6.1b
TEH IX 16 11 15 42.0 8.83S 126.83E 44 6.2,6.1b
GCMT IX 16 11 15 42.2–.10 9.07S 127.05E 18–0 5.7W,6.1b
ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=9.0km az=46.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.7km az=21.4.
MOS Error ellipse: s-maj=9.9km s-min=6.1km az=109.2.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=40.0. Felt at Dili.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=245, per= 50. Moment Tensor Solution. s97,c198; s62,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}3.63±.05 $M_{\theta\theta}$-3.45±.04; $M_{\phi\phi}$-0.19±.04; $M_{r\theta}$2.49±.10; $M_{\theta\phi}$-1.45±.03; $M_{\phi r}$1.04±.10; Best double couple: NP1:ϕ_s251.00000°,δ27.00000°,λ92.00000°. NP2:ϕ_s68.00000°,δ63.00000°,λ89.00000°. Principal axes: T 4.4900,Plg72.0000°,Azm335.0000°; N 0.3600,Plg1.0000°,Azm69.0000° ; P -4.8600,Plg18.0000°,Azm159.0000° M_o4.70000×10^{17}
IDC IX 16 13 16 17.1–1.9 8.94S 126.92E 0 3.6,3.5L
¶11910400

IDC Error ellipse: s-maj=192.2km s-min=31.6km az=61.0.
IDC IX 16 15 14 57.7–1.9 8.82S 127.32E 0 3.3,3.2
¶11910407

IDC Error ellipse: s-maj=203.1km s-min=31.8km az=62.0.
ISC IX 17 11 07 43.6–2.2 9.2S–.10 126.91E–.09 87–26 3.9b 19 6-72
IDC IX 17 11 07 34.7–.95 8.75S 126.96E 0 4.4L,4.2 **¶11910470**
NEIC IX 17 11 07 36.8–10 8.85S 126.81E 14–68 4.4b,4.2
ISCJB IX 17 11 07 41.0–2.0 9.11S–.07 126.86E–.09 77–22 3.9b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 17 11 53 57.7–1.8 9.06S–.08 126.95E–.08 65–20 3.9b 20 7-72
IDC IX 17 11 53 49.6–1.1 8.75S 127.09E 0 4.1L,4.1 **¶11910472**
NEIC IX 17 11 53 56.0–2.0 8.92S 126.89E 45–22 4.6b,4.1
ISCJB IX 17 11 53 56.2–1.8 9.08S–.07 126.94E–.07 69–20 3.9b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 17 11 55 03.2–2.0 8.95S–.09 127.00E–.08 54–25 4.2b 17 7-72
IDC IX 17 11 54 56.7–1.5 8.68S 127.07E 0 4.4,4.3L **¶11910473**
NEIC IX 17 11 55 01.6–.65 8.79S 127.05E 35 4.6b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=78.0km s-min=23.9km az=69.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.0km az=55.0.
IDC IX 18 07 31 25.6–1.8 9.03S 126.85E 0 3.7,3.5
¶11910538

IDC Error ellipse: s-maj=86.6km s-min=27.3km az=70.0.
ISC IX 20 21 48 35.4–.63 9.50S–.09 123.1E–.20 102–10 3.8b 18 1-71
IDC IX 20 21 48 25.6–1.1 8.83S 123.43E 0 4.3L,4.3 **¶11910735**
NEIC IX 20 21 48 30.5–.78 8.83S 123.65E 35 4.1b,4.3
DJA IX 20 21 48 33 9.45S 121.04E 35 3.5,4.3
ISCJB IX 20 21 48 34.0–.64 9.52S–.09 123.1E–.20 111–10 3.8b,4.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 25 12 08 45.8–5.8 8.08S 124.81E 284–63 3.2,3.1b
¶11911009

IDC Error ellipse: s-maj=322.1km s-min=16.3km az=61.0.
IDC IX 27 08 28 29.2–2.1 8.80S 127.07E 0 3.8,3.7L
¶11911180

IDC Error ellipse: s-maj=89.8km s-min=29.5km az=71.0.
ISC IX 28 15 36 02.2–.87 9.06S–.09 124.4E–.10 35 3.6b 12 9-67
IDC IX 28 15 35 58.0–1.6 8.82S 124.29E 0 4.3s,4.3 **¶11911276**
ISCJB IX 28 15 35 59.7–.87 9.09S–.09 124.4E–.10 33 3.6b,4.3
NEIC IX 28 15 35 59.7–.80 8.78S 124.41E 10 3.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=103.8km s-min=23.4km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=8.0km az=150.8.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=11.1km az=54.0.
IDC IX 29 12 12 03.4–1.9 8.85S 125.40E 0 3.6b,3.4
¶11911338

IDC Error ellipse: s-maj=107.8km s-min=27.8km az=67.0.
ISC IX 30 07 35 21.1–.49 9.54S–.03 124.77E–.03 43–6 4.5b,4.1s 124 3-151
IDC IX 30 07 35 14.8–.54 9.29S 124.49E 0 4.8L,4.5 **¶11322392**
ISCJB IX 30 07 35 18.5–.64 9.54S–.03 124.80E–.04 38–7 4.5b,4.1s
NEIC IX 30 07 35 20.5–.38 9.40S 124.54E 35 4.7b,4.1s
DJA IX 30 07 35 20 9.59S 124.68E 15 5.1b,4.1s
BJI IX 30 07 35 21.5 9.40S 124.50E 35 5.2b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=13.7km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.9km az=135.5.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.4km az=56.0.
ISC X 02 07 34 56.7–1.9 9.67S–.09 124.29E–.09 164–22 3.7b 25 8-72
NEIC X 02 07 34 51.8–2.2 9.27S 124.23E 95–28 4.7b **¶11911695**
IDC X 02 07 34 52.4–11 9.27S 124.24E 101–135 4.1L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=15.7km az=170.0.
IDC Error ellipse: s-maj=144.6km s-min=45.5km az=37.0.
IDC X 04 22 10 28.2–12 8.84S 126.73E 139–139 3.2b,3.0L
¶12065940

IDC Error ellipse: s-maj=89.8km s-min=59.1km az=16.0.
ISC X 06 03 45 07.9–3.2 8.9S–.20 127.2E–.10 63–37 3.8b 19 6-78
IDC X 06 03 45 01.7–1.4 8.61S 126.90E 0 4.1L,4.0 **¶12066093**
NEIC X 06 03 45 04.8–.73 8.67S 127.60E 35 4.1L,4.0
ISCJB X 06 03 45 07.3–4.0 9.0S–.10 127.2E–.10 79–43 3.6b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 11 16 34 44.7–.47 9.25S–.03 124.12E–.04 92–4 4.6b 130 2-152
NEIC X 11 16 34 34.8–4.0 8.98S 124.20E 5–25 4.7b **¶11345022**
ISCJB X 11 16 34 43.0–.51 9.28S–.03 124.13E–.04 96–5 4.6b
DJA X 11 16 34 45.0–.40 9S–2.0 124E–2.0 45–12 5.2b,5.1
IDC X 11 16 34 45.6–.88 8.89S 124.15E 84–7 4.1,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.9km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.9km az=146.4.
IDC Error ellipse: s-maj=24.6km s-min=12.3km az=64.0.
IDC X 12 00 56 35.6–2.6 10.62S 123.43E 0 3.5b,3.5
¶12068432

IDC Error ellipse: s-maj=248.6km s-min=34.4km az=52.0.
IDC X 12 11 38 45.5–1.9 9.51S 125.98E 0 3.7,3.5
¶12068461

IDC Error ellipse: s-maj=245.1km s-min=31.7km az=58.0.
ISC X 14 18 32 31.5–.78 9.27S–.08 125.24E–.08 38–9 4.0b 38 3-151
IDC X 14 18 32 27.6–.99 8.71S 125.67E 0 4.1,4.0b **¶12068626**
ISCJB X 14 18 32 29.5–1.0 9.23S–.07 125.27E–.09 39–11 4.0b,4.0b
NEIC X 14 18 32 31.5–.31 8.96S 125.56E 35 4.2b,4.0b
DJA X 14 18 32 32 9.05S 125.02E 12 3.8,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=119.4km s-min=19.8km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=6.8km az=139.6.
NEIC Event type se. Error ellipse: s-maj=41.5km s-min=5.2km az=56.0.
IDC X 15 12 33 46.3–7.8 10.90S 124.89E 0 3.8b,3.6
¶12068682

IDC Error ellipse: s-maj=142.1km s-min=88.8km az=34.0.
ISC X 26 08 09 23.0–2.1 8.27S–.10 127.7E–.10 158–22 17 6-27
IDC X 26 08 09 20.9–11 8.42S 127.24E 155–90 3.5b,3.5 **¶12071137**
NEIC X 26 08 09 26.0–4.4 8.48S 127.77E 182–23 4.6b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=118.6km s-min=74.3km az=72.0.
NEIC Event type se. Error ellipse: s-maj=52.6km s-min=17.3km az=143.0.
ISC X 27 15 56 07.3–1.4 8.10S–.08 127.8E–.10 182–16 3.4b 26 6-127
NEIC X 27 15 56 02.4–2.5 7.79S 127.77E 119–27 4.7b **¶12071245**
IDC X 27 15 56 02.4–5.5 7.71S 127.81E 116–54 3.7,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=18.6km az=53.0.
IDC Error ellipse: s-maj=68.8km s-min=21.9km az=59.0.
ISC XI 05 19 05 11.4–2.7 9.3S–.10 124.1E–.20 99–34 4.0b 39 9-72
IDC XI 05 19 05 00.8–1.0 8.53S 124.56E 0 4.0L,3.9 **¶12072454**
NEIC XI 05 19 05 06.4–.46 8.91S 124.03E 35 4.1b,3.9
ISCJB XI 05 19 05 09.6–2.2 9.1S–.10 124.1E–.20 96–25 4.0b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 07 21 10 42.9–1.7 9.64S 124.69E 0 3.6,3.5b
¶12072749

IDC Error ellipse: s-maj=85.4km s-min=23.0km az=66.0.
IDC XI 11 21 25 29.7–1.7 9.35S 125.35E 0 3.5L,3.5
¶12073230

IDC Error ellipse: s-maj=94.8km s-min=26.8km az=67.0.
ISC XI 12 05 41 17.2–.82 9.36S–.09 125.2E–.10 35 3.9b 19 7-125
IDC XI 12 05 41 12.5–1.3 9.18S 125.33E 0 4.2,4.1L **¶12073270**
NEIC XI 12 05 41 13.9–.58 9.24S 125.26E 10 4.2,4.1L
ISCJB XI 12 05 41 14.7–.82 9.3S–.10 125.2E–.10 33 3.9b,4.1L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
NEIC XI 13 01 56 13.5–2.8 8.62S 124.40E 60–30
IDC XI 13 01 56 14.9–4.6 8.71S 124.35E 76–47 4.1L,4.0 **¶12073365**
NEIC Event type se. Error ellipse: s-maj=40.6km s-min=15.5km az=45.0.
IDC Error ellipse: s-maj=61.2km s-min=20.3km az=52.0.
ISC XI 14 13 58 16.5–3.4 10.0S–.20 124.3E–.10 90–40 3.5b 22 8-72
IDC XI 14 13 58 07.0–1.3 9.66S 124.19E 0 3.8,3.6b **¶12073527**

NEIC XI 14 13 58 11.9–.65 9.71S 124.28E 35 3.8,3.6b
ISCJB XI 14 13 58 16.6–2.9 10.1S–.10 124.2E–.10 115–33 3.5b,3.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 17 14 41 25.2–.73 10.29S–.08 124.6E–.10 35 3.6b 22 8-73
IDC XI 17 14 41 20.0–1.1 10.33S 124.17E 0 3.6b,3.6 **¶12073866**
ISCJB XI 17 14 41 22.4–.73 10.32S–.07 124.6E–.10 33 3.6b,3.6
NEIC XI 17 14 41 25.1–.56 10.29S 124.38E 35 3.6b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=87.6km s-min=20.8km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=6.6km az=151.2.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=7.8km az=60.0.
ISC XI 17 16 11 47.9–.47 9.47S–.04 124.21E–.04 85–6 4.5b 78 2-152
ISCJB XI 17 16 11 46.7–.56 9.44S–.05 124.24E–.04 96–6 4.5b **¶12073875**
IDC XI 17 16 11 46.6–3.0 9.11S 124.15E 55–26 4.5L,3.9
NEIC XI 17 16 11 48.8–1.6 9.30S 124.14E 77–16 4.5b,3.9
DJA XI 17 16 11 48 9.40S 124.20E 70 4.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.5km az=32.8.
IDC Error ellipse: s-maj=51.5km s-min=16.8km az=60.0.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=10.6km az=53.0.
IDC XI 19 09 13 24.4–8.8 10.84S 124.64E 138–104 3.5L,3.2
¶12074128
IDC Error ellipse: s-maj=78.0km s-min=51.0km az=28.0.
ISC XI 20 20 10 09.6–1.8 8.01S–.09 127.8E–.10 207–20 3.4b 27 10-72
NEIC XI 20 20 10 02.3–3.8 7.53S 127.78E 114–42 3.4b **¶12074315**
ISCJB XI 20 20 10 05.5–2.4 7.79S–.10 127.8E–.10 174–27 3.5b
IDC XI 20 20 10 11.4–12 7.95S 127.47E 213–139 3.4,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=16.8km az=196.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=15.0km az=153.3.
IDC Error ellipse: s-maj=132.6km s-min=40.6km az=48.0.
IDC XI 20 20 39 01.0–2.0 8.86S 125.63E 0 3.4,3.3
¶12074319
IDC Error ellipse: s-maj=103.9km s-min=29.4km az=67.0.
ISC XI 23 04 40 30.3–1.4 9.20S–.07 126.97E–.07 60–17 4.0b 35 6-82
IDC XI 23 04 40 23.2–.94 8.98S 127.03E 0 4.2L,4.2 **¶12074561**
ISCJB XI 23 04 40 28.5–1.7 9.20S–.06 126.96E–.07 62–19 4.0b,4.2
NEIC XI 23 04 40 31.2–1.3 9.15S 126.96E 67–15 3.9b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=47.9km s-min=18.8km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=9.7km az=148.1.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.3km az=213.0.
IDC XI 23 06 24 09.2–1.4 10.17S 124.93E 0 3.9b,3.9
¶12074567
IDC Error ellipse: s-maj=89.0km s-min=24.5km az=67.0.
IDC XI 23 11 07 27.0–8.3 10.99S 124.02E 145–98 3.6b,3.1
¶12074585
IDC Error ellipse: s-maj=80.8km s-min=42.6km az=29.0.
IDC XI 25 11 43 29.4–1.9 9.82S 125.52E 0 4.0b,3.7
¶12074778
IDC Error ellipse: s-maj=94.1km s-min=28.6km az=66.0.
IDC XII 04 13 29 19.7–1.8 8.66S 124.49E 0 3.8b,3.7
¶12075745
IDC Error ellipse: s-maj=240.2km s-min=29.8km az=58.0.
IDC XII 07 12 11 51.6–1.4 10.45S 123.62E 0 3.8b,3.6
¶12076180
IDC Error ellipse: s-maj=114.1km s-min=24.8km az=62.0.
IDC XII 10 01 12 14.7–8.6 10.78S 123.84E 113–99 3.7L,3.7b
¶12076649
IDC Error ellipse: s-maj=72.8km s-min=47.3km az=27.0.
ISC XII 17 02 53 02.5–.56 9.60S–.08 125.0E–.10 35 3.7b 30 7-82
ISCJB XII 17 02 52 59.9–.56 9.65S–.08 125.0E–.20 33 3.7b **¶12077842**
IDC XII 17 02 52 59.9–1.1 9.35S 124.64E 0 4.0L,3.8
NEIC XII 17 02 53 02.0–.54 9.81S 124.74E 35 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=6.8km az=155.6.
IDC Error ellipse: s-maj=116.8km s-min=22.7km az=68.0.
NEIC Event type se. Error ellipse: s-maj=34.6km s-min=7.2km az=53.0.
IDC XII 17 02 58 17.2–9.3 9.86S 125.51E 131–107 3.6L,3.5
¶12077843
IDC Error ellipse: s-maj=72.1km s-min=44.8km az=20.0.
ISC XII 18 16 08 34.6–1.3 9.2S–.10 124.0E–.20 99–14 4.2b 37 6-71
ISCJB XII 18 16 08 33.8–1.5 9.2S–.10 124.0E–.20 112–15 4.2b **¶12078067**
IDC XII 18 16 08 34.1–3.5 9.12S 124.08E 92–39 3.8b,3.8
NEIC XII 18 16 08 34.5–1.2 9.19S 123.95E 99–13 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.6km s-min=8.3km az=145.9.
IDC Error ellipse: s-maj=93.6km s-min=21.5km az=54.0.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=7.7km az=56.0.
IDC XII 19 09 54 41.0–1.8 8.92S 125.31E 0 3.7,3.5b
¶12078184
IDC Error ellipse: s-maj=105.5km s-min=26.9km az=67.0.
ISC XII 29 02 06 53.9–.68 8.93S–.06 124.23E–.09 109–8 4.1b 65 2-155
ISCJB XII 29 02 06 52.8–.72 8.93S–.05 124.26E–.08 118–8 4.1b **¶12079335**
DJA XII 29 02 06 52 9.28S 123.58E 153 4.1
NEIC XII 29 02 06 52.4–1.0 8.84S 124.29E 92–9 4.8b
IDC XII 29 02 06 56.3–3.0 8.76S 124.05E 122–27 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=5.6km az=149.6.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=7.1km az=57.0.
IDC Error ellipse: s-maj=27.8km s-min=12.4km az=66.0.
ISC XII 29 08 14 57.6–.78 9.3S–.10 123.5E–.20 35 21 6-67
IDC XII 29 08 14 53.1–1.7 8.70S 124.13E 0 4.0,3.9L **¶12079373**
ISCJB XII 29 08 14 54.9–.81 9.4S–.10 123.3E–.20 33 4.0,3.9L
NEIC XII 29 08 14 57.5–.62 8.75S 124.05E 35 4.0,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=92.2km s-min=23.5km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=31.1km s-min=8.4km az=150.9.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=7.5km az=53.0.

(290) Timor Sea.

IDC VII 12 18 36 43.7–2.1 8.35S 129.28E 0 3.8,3.7L
¶12698165
IDC Error ellipse: s-maj=74.6km s-min=29.1km az=76.0.
ISC VII 12 22 33 38.7–.76 8.05S–.06 128.5E–.10 35 3.7b 17 6-78
IDC VII 12 22 33 33.5–1.6 7.87S 128.68E 0 3.8b,3.7 **¶11811409**
ISCJB VII 12 22 33 36.3–.76 8.15S–.05 128.41E–.08 33 3.7b,3.7
NEIC VII 12 22 33 38.2–.86 7.83S 129.01E 35 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=92.4km s-min=24.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=7.3km az=164.8.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=11.4km az=75.0.
IDC VIII 30 17 52 02.3–1.8 9.51S 128.36E 0 4.0,3.8
¶12581575
IDC Error ellipse: s-maj=79.3km s-min=27.5km az=76.0.
ISC VIII 31 03 08 30.7–.91 8.65S–.06 128.9E–.10 35 3.7b 10 5-73
IDC VIII 31 03 08 26.4–1.6 8.59S 128.65E 0 3.9L,3.8 **¶11909149**
ISCJB VIII 31 03 08 28.3–.90 8.70S–.06 128.8E–.10 33 3.7b,3.8
NEIC VIII 31 03 08 38.1–2.6 9.07S 128.64E 120–32 3.7b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=85.6km s-min=24.6km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=8.4km az=168.3.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=22.5km az=130.0.
ISC IX 13 15 30 09.7–4.2 10.0S–.10 125.42E–.08 34–33 4.0b,3.3s 23 7-80
IDC IX 13 15 30 05.0–.85 9.86S 125.50E 0 4.2,4.1b **¶11910191**
ISCJB IX 13 15 30 08.9–2.2 10.11S–.10 125.44E–.08 52–25 4.0b,3.3s
NEIC IX 13 15 30 10.6–1.4 10.09S 125.34E 46–17 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=16.7km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=12.8km az=19.6.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=11.9km az=58.0.
IDC IX 13 19 39 14.9–9.0 10.57S 125.42E 144–106 2.9L,2.7b
¶11910202
IDC Error ellipse: s-maj=76.9km s-min=41.7km az=20.0.
ISC IX 14 22 07 12.7–.61 9.10S–.06 127.02E–.09 35 3.9b 19 8-72
IDC IX 14 22 07 08.4–1.6 8.95S 127.00E 0 4.0,3.9L **¶11910294**
ISCJB IX 14 22 07 10.4–.61 9.14S–.06 126.95E–.10 33 3.9b,3.9L
NEIC IX 14 22 07 13.0–.53 9.03S 126.99E 35 4.1b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=86.3km s-min=25.9km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=6.4km az=152.9.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=7.9km az=56.0.
IDC IX 16 11 38 31.4–1.7 9.79S 127.10E 0 3.3,3.2
¶11910396
IDC Error ellipse: s-maj=62.8km s-min=23.4km az=72.0.
IDC IX 16 11 38 44.9–1.7 9.67S 127.13E 0 3.7,3.6L
¶11910397
IDC Error ellipse: s-maj=63.2km s-min=22.1km az=71.0.
NEIC IX 16 11 51 09.9–3.1 9.36S 127.21E 130–37
IDC IX 16 11 51 13.3–8.5 9.61S 127.01E 168–98 3.5,3.4 **¶11910398**
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=19.2km az=157.0.
IDC Error ellipse: s-maj=67.2km s-min=38.9km az=19.0.
ISC IX 16 13 33 39.3–1.9 9.32S–.09 127.03E–.08 87–21 4.0b 28 6-73
IDC IX 16 13 33 30.2–1.1 8.86S 127.14E 0 4.2,4.1b **¶11910401**
NEIC IX 16 13 33 35.4–2.6 9.06S 126.93E 38–30 4.1b,4.1b
ISCJB IX 16 13 33 37.9–1.8 9.30S–.07 127.00E–.08 91–19 4.0b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 16 14 43 51.3–2.9 8.1S–.10 129.3E–.10 78–34 3.3b 10 6-72
IDC IX 16 14 43 41.9–1.6 7.93S 129.42E 0 3.5,3.4L **¶11910406**
ISCJB IX 16 14 43 49.0–2.9 8.1S–.10 129.2E–.10 74–31 3.3b,3.4L
NEIC IX 16 14 43 56.6–3.5 8.46S 129.44E 144–41 3.3b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=72.6km s-min=23.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=16.7km az=179.6.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=32.5km az=146.0.
ISC IX 17 03 32 15.4–2.7 9.2S–.10 127.3E–.10 63–31 12 9-69
IDC IX 17 03 32 08.1–1.8 8.90S 127.23E 0 4.1,3.9L **¶11910447**
NEIC IX 17 03 32 12.9–.86 8.92S 127.36E 35 4.1,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=84.9km s-min=26.7km az=71.0.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=11.1km az=65.0.
ISC IX 17 11 04 18.9–2.3 9.1S–.10 127.01E–.10 83–27 3.6b 14 6-72
IDC IX 17 11 04 09.8–1.5 8.77S 126.99E 0 4.2L,4.2 **¶11910469**
NEIC IX 17 11 04 14.9–.84 8.94S 126.83E 35 4.4b,4.2
ISCJB IX 17 11 04 16.8–2.0 9.11S–.08 127.00E–.07 82–22 3.6b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 17 22 03 34.2–.48 9.04S–.05 127.15E–.08 35 4.2b 32 7-151
ISCJB IX 17 22 03 31.9–.48 9.11S–.04 127.10E–.08 33 4.2b **¶11910517**
IDC IX 17 22 03 31.6–1.2 8.89S 126.78E 0 4.9L,4.2
NEIC IX 17 22 03 34.3–.38 9.00S 127.11E 35 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=5.0km az=161.3.
IDC Error ellipse: s-maj=74.5km s-min=22.3km az=66.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=5.8km az=62.0.
ISC IX 21 23 48 30.8–.78 9.15S–.06 127.84E–.07 35 3.7b 17 6-73
IDC IX 21 23 48 24.7–1.8 8.87S 128.18E 0 3.8,3.7L **¶11910799**
ISCJB IX 21 23 48 28.6–.80 9.19S–.06 127.83E–.07 33 3.7b,3.7L
NEIC IX 21 23 48 31.4–.70 9.26S 127.96E 35 3.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=63.2km s-min=23.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=8.2km az=137.3.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.7km az=50.0.
IDC IX 22 19 55 26.2–7.7 9.24S 127.07E 78–86 4.1L,3.9
¶11910852
IDC Error ellipse: s-maj=56.5km s-min=44.2km az=33.0.
ISC IX 24 17 43 48.8–.90 9.11S–.07 127.1E–.10 35 3.8b 12 9-72
ISCJB IX 24 17 43 46.4–.93 9.03S–.09 127.2E–.20 33 3.8b **¶11910941**
NEIC IX 24 17 43 48.8–.71 9.00S 127.12E 35 3.8b
IDC IX 24 17 43 55.3–8.1 9.41S 127.01E 110–95 4.2L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=9.5km az=156.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=9.7km az=74.0.
IDC Error ellipse: s-maj=62.4km s-min=37.2km az=26.0.
IDC IX 25 06 05 57.6–6.4 8.64S 129.18E 195–66 4.1s,4.1
¶11910992
IDC Error ellipse: s-maj=57.7km s-min=26.6km az=48.0.
IDC IX 30 23 24 58.3–2.4 8.47S 129.13E 0 3.5b,3.4L
¶11911497
IDC Error ellipse: s-maj=260.0km s-min=31.6km az=66.0.
IDC X 01 11 12 56.7–1.9 8.29S 129.42E 0 3.9,3.8L
¶11911548
IDC Error ellipse: s-maj=70.0km s-min=27.8km az=77.0.
IDC X 03 08 44 05.0–9.4 9.38S 127.31E 127–70 3.5b,3.4s
¶12065768
IDC Error ellipse: s-maj=75.2km s-min=54.2km az=166.0.
ISC X 03 22 26 20.3–.74 9.06S–.05 127.12E–.06 63–9 4.1b 59 6-126
IDC X 03 22 26 13.4–.76 8.87S 126.98E 0 4.4,4.4L **¶12065831**
NEIC X 03 22 26 18.0–.41 8.99S 126.97E 35 4.6b,4.4L
ISCJB X 03 22 26 18.4–.91 9.03S–.05 127.15E–.05 63–10 4.1b,4.4L
DJA X 03 22 26 21 8.99S 127.13E 100 4.4b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=15.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.5km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.3km az=138.9.
IDC X 08 16 47 59.8–2.1 8.36S 128.15E 0 4.1L,4.1
¶12066347
IDC Error ellipse: s-maj=249.2km s-min=25.3km az=64.0.
ISC X 17 16 15 19.4–.78 8.25S–.08 129.3E–.10 35 3.8b 21 10-150
ISCJB X 17 16 15 15.8–.78 8.18S–.08 129.4E–.10 33 3.8b **¶12068900**
IDC X 17 16 15 15.4–1.5 8.18S 128.70E 0 4.2,4.1b
NEIC X 17 16 15 19.5–.78 8.11S 129.33E 35 3.9b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=6.1km az=145.6.
IDC Error ellipse: s-maj=236.5km s-min=23.7km az=63.0.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=9.6km az=48.0.
IDC X 19 19 03 22.4–1.5 8.41S 128.65E 0 3.8b,3.8
¶12069066
IDC Error ellipse: s-maj=261.3km s-min=22.7km az=64.0.
ISC X 25 10 25 29.6–1.7 9.25S–.09 127.14E–.08 79–22 3.7b 24 6-72
IDC X 25 10 25 21.3–1.5 8.87S 127.22E 0 4.1,4.0L **¶12071066**
NEIC X 25 10 25 28.6–2.1 9.14S 127.12E 64–28 4.2b,4.0L
ISCJB X 25 10 25 30.1–1.9 9.33S–.08 127.14E–.08 106–24 3.7b,4.0L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 26 10 12 05.3–7.8 9.62S 127.21E 189–91 3.5,3.4
¶12071152
IDC Error ellipse: s-maj=66.0km s-min=36.4km az=26.0.
IDC XI 08 00 18 58.8–2.2 8.24S 129.60E 0 3.6b,3.6
¶12072773
IDC Error ellipse: s-maj=80.8km s-min=29.8km az=77.0.
IDC XI 15 21 29 25.1–1.9 8.31S 129.14E 0 3.5,3.4L
¶12073667
IDC Error ellipse: s-maj=102.0km s-min=31.7km az=66.0.
ISC XI 25 13 44 03.1–3.1 10.4S–.20 125.1E–.10 84–37 3.7b 23 8-73
IDC XI 25 13 43 54.2–1.3 10.11S 124.86E 0 3.9,3.8L **¶12074785**

NEIC XI 25 13 43 59.0–.67 10.14S 124.96E 35 3.9,3.8L
ISCJB XI 25 13 44 00.3–2.6 10.4S–.10 124.9E–.10 74–29 3.7b,3.8L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 01 08 53 54.3–3.6 10.1S–.20 125.1E–.10 106–44 3.5b 21 8-68
NEIC XII 01 08 53 45.1–.83 9.67S 125.06E 10 3.5b **¶12075397**
ISCJB XII 01 08 53 51.9–2.4 10.1S–.10 125.0E–.10 101–28 3.5b
IDC XII 01 08 53 56.6–8.3 10.33S 124.75E 136–101 3.9L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.7km s-min=10.3km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=11.4km az=143.1.
IDC Error ellipse: s-maj=69.1km s-min=43.9km az=25.0.
ISC XII 06 08 44 38.8–2.0 8.69S–.09 129.37E–.09 54–24 4.1b,3.6s 28 10-98
IDC XII 06 08 44 32.5–1.3 8.43S 129.29E 0 4.4,4.3L **¶12075999**
ISCJB XII 06 08 44 37.3–2.2 8.73S–.07 129.34E–.09 60–24 4.1b,3.6s
NEIC XII 06 08 44 37.1–.71 8.59S 129.34E 35 3.6b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=77.7km s-min=20.2km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=10.4km az=153.8.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.4km az=62.0.
ISC XII 06 22 00 14.7–2.0 8.73S–.09 129.45E–.09 73–25 3.6b 26 10-95
IDC XII 06 22 00 06.7–1.4 8.31S 129.60E 0 4.3L,4.2 **¶12076071**
NEIC XII 06 22 00 11.6–.91 8.50S 129.46E 35 4.3L,4.2
ISCJB XII 06 22 00 13.3–2.2 8.76S–.07 129.42E–.09 72–26 3.6b,4.2
DJA XII 06 22 00 19 8.86S 129.44E 132 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=49.5km s-min=24.0km az=69.0.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=11.6km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=11.7km az=153.8.
IDC XII 07 04 26 27.6–2.1 8.36S 129.69E 0 3.6,3.4L
¶12076109
IDC Error ellipse: s-maj=77.7km s-min=28.9km az=77.0.
ISC XII 07 05 27 45.1–2.0 8.74S–.08 129.39E–.07 67–22 4.2b 46 10-150
IDC XII 07 05 27 39.2–.84 8.34S 129.10E 0 4.4L,4.2 **¶12076114**
ISCJB XII 07 05 27 42.5–2.2 8.71S–.06 129.37E–.07 57–22 4.2b,3.7s
NEIC XII 07 05 27 42.5–.43 8.58S 129.35E 35 4.2b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=19.2km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=10.2km az=11.6.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=6.2km az=73.0.
IDC XII 07 06 53 53.3–1.8 8.40S 129.46E 0 3.7,3.6b
¶12076128
IDC Error ellipse: s-maj=75.3km s-min=26.2km az=77.0.
ISC XII 07 09 13 20.0–1.3 8.62S–.07 129.40E–.09 36–18 3.7b 25 10-69
IDC XII 07 09 13 14.9–1.5 8.35S 129.59E 0 4.2,4.1L **¶12076146**
ISCJB XII 07 09 13 18.1–1.9 8.66S–.07 129.34E–.10 41–23 3.7b,4.1L
NEIC XII 07 09 13 19.8–.72 8.53S 129.40E 35 3.7b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=50.4km s-min=22.1km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=9.1km az=149.9.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=8.4km az=52.0.
IDC XII 07 09 35 23.0–1.8 8.45S 129.74E 0 4.1,4.0L
¶12076150
IDC Error ellipse: s-maj=63.2km s-min=23.4km az=74.0.
IDC XII 07 10 02 15.3–2.1 8.42S 129.52E 0 3.6,3.5L
¶12076155
IDC Error ellipse: s-maj=69.5km s-min=29.2km az=77.0.
IDC XII 07 12 40 42.7–2.0 8.10S 129.48E 0 3.3b,3.2
¶12076188
IDC Error ellipse: s-maj=77.0km s-min=28.0km az=76.0.
IDC XII 07 12 43 18.0–1.6 8.33S 129.57E 0 3.6b,3.6
¶12076189
IDC Error ellipse: s-maj=69.2km s-min=24.6km az=70.0.
IDC XII 07 13 18 38.1–2.0 8.42S 129.66E 0 3.3,3.2b
¶12076196
IDC Error ellipse: s-maj=80.4km s-min=28.1km az=77.0.
IDC XII 07 13 26 57.2–1.6 8.38S 129.58E 0 3.7,3.6b
¶12076198
IDC Error ellipse: s-maj=66.3km s-min=25.7km az=77.0.
IDC XII 07 13 29 08.0–1.7 8.33S 129.82E 0 3.9,3.8b
¶12076199
IDC Error ellipse: s-maj=76.9km s-min=25.9km az=78.0.
ISC XII 07 14 37 01.2–.59 8.76S–.04 129.48E–.07 73–7 4.1b 66 5-150
IDC XII 07 14 36 54.5–.75 8.37S 129.21E 0 4.3L,4.2 **¶12076213**
ISCJB XII 07 14 36 58.8–.81 8.74S–.03 129.48E–.07 66–9 4.1b,4.2
NEIC XII 07 14 36 58.1–.42 8.59S 129.30E 35 4.3b,4.2
DJA XII 07 14 37 02 8.50S 129.95E 126 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=18.2km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=4.5km az=160.8.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.9km az=62.0.
IDC XII 07 22 10 49.5–2.1 8.39S 129.66E 0 3.7,3.6b
¶12076253
IDC Error ellipse: s-maj=73.1km s-min=28.9km az=77.0.
IDC XII 07 22 45 24.7–2.0 8.38S 129.63E 0 3.9,3.7L
¶12076260
IDC Error ellipse: s-maj=70.5km s-min=28.5km az=77.0.
IDC XII 08 02 34 14.2–7.1 8.74S 129.48E 66–80 3.5,3.4L
¶12076281
IDC Error ellipse: s-maj=49.2km s-min=43.1km az=18.0.
ISC XII 08 10 20 35.2–.52 8.66S–.03 129.38E–.06 45–7 4.3b,3.8s 66 4-150
IDC XII 08 10 20 30.9–.76 8.37S 129.97E 0 4.4L,4.1 **¶12076344**
ISCJB XII 08 10 20 32.7–.73 8.68S–.03 129.32E–.06 38–9 4.3b,3.8s
NEIC XII 08 10 20 34.9–.43 8.64S 129.30E 40 4.2b,3.8s
DJA XII 08 10 20 37 8.55S 129.52E 102 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=47.5km s-min=18.9km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.9km az=158.5.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.2km az=66.0.
ISC XII 08 20 36 02.1–.62 8.58S–.05 129.3E–.10 35 3.7b 28 10-74
ISCJB XII 08 20 35 59.9–.61 8.63S–.05 129.3E–.10 33 3.7b **¶12076404**
IDC XII 08 20 35 59.1–1.4 8.48S 128.80E 0 4.1L,3.9
NEIC XII 08 20 36 02.4–.69 8.60S 129.23E 35 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=6.4km az=164.7.
IDC Error ellipse: s-maj=59.4km s-min=22.0km az=78.0.
NEIC Event type se. Error ellipse: s-maj=31.9km s-min=9.8km az=69.0.
ISC XII 09 14 56 18.4–.73 8.68S–.04 129.43E–.07 55–9 4.2b,4.1s 59 5-150
IDC XII 09 14 56 12.5–.82 8.41S 129.39E 0 4.2,4.1 **¶12076555**
ISCJB XII 09 14 56 16.1–.94 8.66S–.04 129.35E–.07 47–10 4.2b,4.1s
NEIC XII 09 14 56 17.5–.33 8.58S 129.37E 40 4.5b,4.1s
DJA XII 09 14 56 19 8.62S 128.62E 30 4.2,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=18.0km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.3km az=169.1.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.9km az=64.0.
IDC XII 09 15 59 50.0–2.1 8.38S 129.73E 0 3.7,3.5b
¶12076564
IDC Error ellipse: s-maj=76.4km s-min=28.6km az=77.0.
ISC XII 11 00 02 52.9–.67 8.58S–.06 128.15E–.10 35 4.0b 33 10-151
ISCJB XII 11 00 02 50.6–.67 8.60S–.06 128.1E–.10 33 4.0b **¶12076819**
IDC XII 11 00 02 50.0–.98 8.30S 127.77E 0 4.1b,4.1
NEIC XII 11 00 02 52.7–.57 8.53S 128.20E 35 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=7.8km az=161.6.
IDC Error ellipse: s-maj=79.6km s-min=22.6km az=68.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.9km az=64.0.
ISC XII 11 09 28 12.1–1.3 8.55S–.08 129.4E–.10 35 17 10-69
IDC XII 11 09 28 06.1–2.0 8.32S 129.63E 0 3.8,3.8b **¶12076884**
ISCJB XII 11 09 28 09.9–1.3 8.61S–.08 129.3E–.10 33 3.8,3.8b
NEIC XII 11 09 28 11.4–1.1 8.46S 129.44E 35 3.8,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=70.3km s-min=27.8km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=11.2km az=159.7.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=12.8km az=66.0.
IDC XII 14 16 23 57.0–2.0 8.40S 129.64E 0 3.9,3.8L
¶12077471
IDC Error ellipse: s-maj=76.1km s-min=27.7km az=77.0.
ISC XII 24 14 22 04.1–.33 8.78S–.04 128.54E–.05 35 4.6b,3.9s 102 5-150
IDC XII 24 14 22 00.6–.61 8.50S 128.27E 0 4.3,4.3b **¶11518758**
ISCJB XII 24 14 22 01.6–.33 8.83S–.03 128.54E–.05 33 4.6b,3.9s
DJA XII 24 14 22 03 8.69S 128.63E 10 4.8b,3.9s
NEIC XII 24 14 22 07.4–1.4 8.43S 128.39E 54–13 4.9b,3.9s
BJI XII 24 14 22 09.5 8.50S 128.50E 100 4.5b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=14.6km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.8km az=172.9.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.8km az=224.0.
ISC XII 27 00 32 01.7–2.6 8.0S–.10 128.2E–.10 113–34 18 10-68
NEIC XII 27 00 32 01.2–5.7 7.84S 127.83E 187–63 **¶12079114**
IDC XII 27 00 32 04.1–6.7 7.17S 129.36E 228–74 2.9,2.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=56.4km s-min=24.6km az=210.0.
IDC Error ellipse: s-maj=124.6km s-min=29.7km az=71.0.

(291) South of Sumbawa.

IDC VII 07 18 30 43.0–3.2 11.22S 118.79E 0 3.6,3.4b
¶12698068
IDC Error ellipse: s-maj=238.7km s-min=26.4km az=49.0.
ISC VII 30 21 51 59.7–1.4 11.54S–.04 117.53E–.04 21–11 4.2b 73 3-127
ISCJB VII 30 21 51 56.8–1.4 11.54S–.04 117.52E–.04 16–11 4.2b **¶11812966**
IDC VII 30 21 51 57.5–.96 11.11S 117.91E 0 4.6L,4.3
NEIC VII 30 21 51 59.7–3.1 11.44S 117.66E 22–23 4.3b,4.3
DJA VII 30 21 52 00 11.58S 117.47E 30 4.8b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.6km az=135.6.
IDC Error ellipse: s-maj=47.4km s-min=18.2km az=60.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.9km az=58.0.
IDC VIII 25 15 26 45.7–2.9 11.23S 118.81E 0 4.0L,4.0
¶12581391
IDC Error ellipse: s-maj=215.9km s-min=24.8km az=49.0.
ISC IX 18 01 06 39.0–.65 11.28S–.05 118.47E–.05 37–8 4.2b 53 3-152
IDC IX 18 01 06 34.1–.79 11.07S 118.49E 0 4.2,4.1b **¶11910524**
ISCJB IX 18 01 06 36.7–.78 11.30S–.05 118.49E–.05 38–9 4.2b,4.1b
NEIC IX 18 01 06 39.1–.53 11.13S 118.58E 35 4.2b,4.1b
DJA IX 18 01 06 46 10.71S 118.09E 30 4.8b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=16.5km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.9km az=141.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.6km az=59.0.
IDC IX 27 19 53 49.4–4.2 12.11S 117.35E 0 3.4L,3.4
¶11911224
IDC Error ellipse: s-maj=261.5km s-min=26.9km az=45.0.
ISC IX 30 15 06 39.7–.65 11.43S–.06 117.81E–.06 35 4.0b 23 3-71
DJA IX 30 15 06 30 12.59S 121.78E 103 4.9b **¶11911461**
ISCJB IX 30 15 06 37.0–.67 11.50S–.05 117.79E–.06 33 4.0b
IDC IX 30 15 06 36.8–1.2 10.85S 118.33E 0 4.0b,3.7
NEIC IX 30 15 06 41.8–.99 10.88S 118.42E 35 4.0b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=142.3.
IDC Error ellipse: s-maj=54.1km s-min=21.1km az=60.0.
NEIC Event type se. Error ellipse: s-maj=32.5km s-min=14.3km az=50.0.
ISC X 15 06 37 41.3–.96 10.07S–.08 118.89E–.08 74–11 3.9b 15 1-78
IDC X 15 06 37 32.1–1.6 10.16S 118.48E 0 3.9b,3.8 **¶12068664**
ISCJB X 15 06 37 40.4–.00 10.02S–.08 118.87E–.08 84–11 3.9b,3.8
DJA X 15 06 37 42 9.89S 118.82E 25 4.1,3.8
IDC Error ellipse: s-maj=53.0km s-min=23.1km az=60.0.
ISCJB Error ellipse: s-maj=14.1km s-min=11.7km az=142.2.
IDC X 15 19 46 22.6–3.2 11.32S 117.01E 0 3.2,3.1b
¶12068708
IDC Error ellipse: s-maj=194.7km s-min=29.2km az=46.0.
IDC X 18 04 50 23.8–4.2 11.85S 116.41E 0 3.4,3.3b
¶12068951
IDC Error ellipse: s-maj=239.8km s-min=29.8km az=44.0.
IDC X 20 20 11 02.3–4.3 11.27S 116.18E 0 3.5b,3.5
¶12069157
IDC Error ellipse: s-maj=263.1km s-min=24.5km az=46.0.
IDC X 20 20 19 01.9–3.0 10.93S 116.55E 0 3.3,3.2
¶12069158
IDC Error ellipse: s-maj=174.4km s-min=27.7km az=47.0.
IDC X 20 22 59 55.4–4.7 11.38S 116.15E 0 3.5,3.4
¶12069171
IDC Error ellipse: s-maj=292.6km s-min=28.1km az=46.0.
ISC X 21 01 36 40.4–2.2 11.41S–.05 116.10E–.06 33–18 3.9b 38 3-91
ISCJB X 21 01 36 38.4–1.2 11.49S–.08 116.00E–.07 35–12 3.9b **¶12070712**
IDC X 21 01 36 42.0–1.5 11.01S 116.50E 33–5 3.9,3.8L
NEIC X 21 01 36 42.1–.49 11.10S 116.42E 35 3.8b,3.8L
DJA X 21 01 36 43 11.17S 115.84E 109 4.2,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=8.0km az=38.7.
IDC Error ellipse: s-maj=97.6km s-min=20.4km az=46.0.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=8.0km az=48.0.
ISC X 21 18 22 23.3–.26 11.61S–.03 116.09E–.04 35 4.6b,3.5s 133 3-152
IDC X 21 18 22 19.8–.62 11.29S 116.30E 0 4.4,4.3 **¶11360739**
NEIC X 21 18 22 20.8–4.0 11.32S 116.28E 8–25 4.8b,4.3
ISCJB X 21 18 22 21.4–.28 11.58S–.03 116.07E–.04 33 4.6b,3.5s
DJA X 21 18 22 21.0–2.2 12S–3.0 116E–3.0 15–25 5.4b,5.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 21 21 19 58.0–2.3 12.2S–.20 116.3E–.10 124–24 3.4b 17 9-71
IDC X 21 21 19 47.5–4.2 11.41S 116.19E 0 3.6,3.5L **¶12070753**
NEIC X 21 21 19 50.8–.92 11.91S 115.85E 35 3.6b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=247.6km s-min=22.6km az=46.0.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=11.6km az=52.0.
IDC X 22 10 44 49.8–2.0 11.43S 116.98E 0 3.9b,3.9
¶12070797
IDC Error ellipse: s-maj=136.0km s-min=18.8km az=49.0.
ISC X 24 07 27 10.2–.94 11.2S–.20 116.5E–.20 35 3.8b 16 10-70
IDC X 24 07 27 05.1–1.2 11.17S 116.31E 0 3.8,3.7b **¶12070963**
ISCJB X 24 07 27 07.9–.93 11.2S–.20 116.4E–.20 33 3.8b,3.7b
NEIC X 24 07 27 10.3–.97 11.20S 116.39E 35 3.7b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=58.0km s-min=19.0km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=32.9km s-min=14.6km az=139.3.
NEIC Event type se. Error ellipse: s-maj=33.2km s-min=14.5km az=49.0.
ISC X 24 11 41 13.7–1.0 11.42S–.07 116.10E–.08 37–15 3.7b 33 3-70
IDC X 24 11 41 09.1–1.2 11.09S 116.47E 0 3.7b,3.7 **¶12070978**
ISCJB X 24 11 41 12.9–1.2 11.39S–.07 116.05E–.07 53–15 3.7b,3.7
NEIC X 24 11 41 14.7–.99 11.11S 116.39E 35 3.5b,3.7
DJA X 24 11 41 17 10.70S 116.17E 207 3.9,3.7
ISC Event type se.
IDC Error ellipse: s-maj=57.0km s-min=20.1km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=9.8km az=135.8.
NEIC Event type se. Error ellipse: s-maj=34.1km s-min=15.9km az=52.0.
ISC X 24 11 52 05.9–3.3 11.42S–.06 116.13E–.07 15–25 4.0b 46 3-70
IDC X 24 11 52 03.9–1.2 11.36S 116.22E 0 4.0b,4.0 **¶12070979**
ISCJB X 24 11 52 06.0–2.6 11.41S–.06 116.10E–.07 32–23 4.0b,4.0
NEIC X 24 11 52 09.2–.83 11.44S 116.11E 35 3.6b,4.0
DJA X 24 11 52 12 11.04S 115.92E 114 4.5,4.0

ISC Event type se.
IDC Error ellipse: s-maj=54.3km s-min=20.0km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=7.7km az=142.5.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=12.9km az=49.0.
ISC X 24 11 53 07.3–.82 11.3S–.20 116.5E–.20 35 4.1b 15 11-70
IDC X 24 11 53 02.0–1.0 11.26S 116.44E 0 4.2,4.1b ¶12070980
ISCJB X 24 11 53 04.9–.82 11.3S–.20 116.5E–.20 33 4.1b,4.1b
NEIC X 24 11 53 08.0–1.2 11.41S 116.42E 35 3.5b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=55.0km s-min=16.8km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=33.0km s-min=11.8km az=139.4.
NEIC Event type se. Error ellipse: s-maj=34.3km s-min=17.2km az=46.0.
IDC X 24 11 54 13.5–2.7 11.08S 116.50E 0 3.9b,3.9
¶12070981

IDC Error ellipse: s-maj=181.6km s-min=23.0km az=50.0.
ISC X 24 11 55 10.8–.70 11.5S–.20 116.2E–.20 35 4.2b 21 11-152
IDC X 24 11 55 06.9–.92 11.23S 116.27E 0 4.3,4.2b ¶12070982
NEIC X 24 11 55 11.6–.90 11.15S 116.38E 35 3.9b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=17.0km az=59.0.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=13.8km az=49.0.
IDC X 24 12 14 07.8–12 12.81S 117.85E 0 4.0b,3.6
¶12070986

IDC Error ellipse: s-maj=268.2km s-min=124.4km az=8.0.
IDC X 24 15 29 41.9–4.2 11.35S 116.33E 0 3.7,3.5b
¶12070996

IDC Error ellipse: s-maj=266.7km s-min=24.6km az=46.0.
ISC X 25 13 06 36.1–.74 10.40S–.06 117.84E–.07 59–8 4.0b 50 2-118
IDC X 25 13 06 30.9–.72 9.90S 118.12E 0 4.0,3.9b ¶12071073
NEIC X 25 13 06 31.9–.42 9.88S 118.10E 10 4.2b,3.9b
ISCJB X 25 13 06 34.9–.85 10.40S–.06 117.85E–.06 64–8 4.0b,3.9b
DJA X 25 13 06 37 10.16S 117.85E 30 4.2,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=14.8km az=68.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=8.3km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=8.3km az=140.2.
DJA X 28 03 12 47 10.19S 117.92E 70 3.8
¶12922897

ISC X 28 15 02 46.1–2.8 11.45S–.06 116.16E–.08 32–25 3.6b 16 3-70
IDC X 28 15 02 41.8–2.6 11.61S 116.03E 0 3.5,3.4b ¶12071339
ISCJB X 28 15 02 44.4–.82 11.47S–.05 116.18E–.07 33 3.6b,3.4b
DJA X 28 15 02 49 11.15S 116.12E 121 3.7,3.4b
IDC Error ellipse: s-maj=139.3km s-min=21.7km az=46.0.
ISCJB Error ellipse: s-maj=11.3km s-min=6.6km az=151.9.
IDC XI 02 04 07 05.4–4.3 11.31S 116.30E 0 3.3,3.2b
¶12071947

IDC Error ellipse: s-maj=271.6km s-min=24.4km az=46.0.
IDC XI 02 05 05 07.7–4.3 11.24S 116.36E 0 3.6,3.4b
¶12071951

IDC Error ellipse: s-maj=270.6km s-min=28.4km az=46.0.
ISC XI 02 06 34 33.2–.93 11.28S–.06 116.4E–.10 10 4.0b 21 7-70
ISCJB XI 02 06 34 31.0–.93 11.24S–.07 116.4E–.10 10 4.0b ¶12071957
IDC XI 02 06 34 31.6–1.2 11.32S 116.26E 0 3.9,3.8b
NEIC XI 02 06 34 39.0–2.2 11.39S 116.34E 58–22 3.9b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=9.4km az=1.5.
IDC Error ellipse: s-maj=55.6km s-min=21.4km az=58.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=9.2km az=68.0.
IDC XI 03 22 32 59.1–3.9 11.16S 116.39E 0 3.5,3.4
¶12072181

IDC Error ellipse: s-maj=247.4km s-min=24.9km az=46.0.
ISC XI 04 15 16 26.0–.33 11.37S–.03 116.08E–.05 32 4.4b,3.0s 93 3-152
ISCJB XI 04 15 16 23.6–.32 11.41S–.03 116.04E–.05 30 4.4b,3.0s ¶12072259
IDC XI 04 15 16 26.0–.69 11.30S 116.26E 28–4 4.1,4.0b
NEIC XI 04 15 16 26.0–.31 11.36S 116.17E 30 4.9b,4.0b
DJA XI 04 15 16 31 11.06S 115.92E 101 4.8,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.5km az=149.5.
IDC Error ellipse: s-maj=26.5km s-min=12.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.0km az=53.0.
IDC XI 04 15 40 32.0–2.1 11.24S 116.86E 0 3.7b,3.7
¶12072262

IDC Error ellipse: s-maj=127.5km s-min=24.4km az=49.0.
IDC XI 05 00 50 13.0–2.4 11.20S 116.39E 0 3.5,3.4b
¶12072319

IDC Error ellipse: s-maj=128.1km s-min=24.6km az=47.0.
IDC XI 08 23 42 57.5–3.9 11.65S 117.88E 0 3.7b,3.5
¶12072885

IDC Error ellipse: s-maj=257.3km s-min=27.9km az=46.0.
IDC XI 15 09 35 53.0–3.2 10.82S 118.27E 0 3.6b,3.4
¶12073614

IDC Error ellipse: s-maj=225.5km s-min=23.2km az=50.0.
DJA XI 16 12 20 00 10.05S 116.79E 37 3.5
¶12923050

ISC XI 18 10 59 52.4–2.6 11.45S–.06 117.77E–.07 34–25 3.7b 46 3-66
ISCJB XI 18 10 59 50.4–2.5 11.47S–.06 117.77E–.07 33–23 3.7b ¶12073998
IDC XI 18 10 59 50.2–1.3 11.05S 118.28E 0 3.8L,3.8
NEIC XI 18 10 59 53.5–.88 11.50S 117.87E 35 3.9b,3.8
DJA XI 18 10 59 57 11.09S 117.68E 43 4.1,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=5.7km az=143.8.
IDC Error ellipse: s-maj=53.3km s-min=20.9km az=62.0.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=10.9km az=54.0.
IDC XII 02 19 04 55.3–2.9 11.05S 116.41E 0 3.3,3.2b
¶12075533

IDC Error ellipse: s-maj=159.2km s-min=28.1km az=46.0.
ISC XII 15 22 10 03.2–.67 11.6S–.10 117.57E–.09 35 3.8b 22 3-66
IDC XII 15 22 09 59.9–1.4 11.22S 117.91E 0 4.2L,4.1 ¶12077671
ISCJB XII 15 22 10 00.3–.61 11.7S–.10 117.57E–.09 33 3.8b,4.1
DJA XII 15 22 10 13 10.47S 117.16E 216 4.3,4.1
IDC Error ellipse: s-maj=55.1km s-min=23.3km az=56.0.
ISCJB Error ellipse: s-maj=19.4km s-min=6.0km az=40.1.
ISC XII 21 01 56 43.4–.44 11.37S–.05 116.18E–.06 35 4.3b 63 3-152
IDC XII 21 01 56 38.0–.88 11.33S 116.10E 0 4.1,4.1b ¶12078402
ISCJB XII 21 01 56 41.1–.44 11.40S–.05 116.19E–.06 33 4.3b,4.1b
NEIC XII 21 01 56 44.7–2.2 11.35S 116.26E 45–20 4.3b,4.1b
DJA XII 21 01 56 49 11.03S 115.93E 63 4.4,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=18.2km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.9km az=146.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=8.1km az=65.0.
ISC XII 30 18 09 27.1–.35 10.40S–.03 118.51E–.02 76–3 5.1b 243 2-153
BJI XII 30 18 09 16.7 11.10S 118.94E 60 5.1b,5.1b ¶11524537
NEIC XII 30 18 09 24.8–.95 10.25S 118.46E 49–9 5.2b,5.1b
IDC XII 30 18 09 24.2–.85 10.13S 118.44E 36–6 4.9L,4.8b
ISCJB XII 30 18 09 25.4–.40 10.41S–.03 118.49E–.02 78–3 5.1b,4.8b
DJA XII 30 18 09 26.8–.30 10S–3.0 118E–1.0 49–4 5.9,5.7b
ISC Event type fe.
NEIC Event type fe. Felt [III] at Waingapu.
ISCJB Event type fe.
IDC XII 31 23 10 06.9–1.9 10.08S 118.41E 0 3.4,3.3
¶12079711

IDC Error ellipse: s-maj=69.7km s-min=25.0km az=56.0.

(292) South of Sumba.

IDC IX 27 05 39 22.9–2.5 11.16S 119.48E 0 4.0L,3.8
¶11911163

IDC Error ellipse: s-maj=187.1km s-min=23.7km az=48.0.
ISC XII 12 07 56 57.8–.38 11.47S–.04 119.80E–.05 35 4.1b 57 2-116
IDC XII 12 07 56 54.4–.82 11.12S 120.07E 0 4.3,4.2b ¶12077076
ISCJB XII 12 07 56 55.5–.38 11.52S–.04 119.80E–.05 33 4.1b,4.2b
NEIC XII 12 07 56 56.7–3.7 11.46S 119.77E 22–28 4.2b,4.2b
DJA XII 12 07 57 03 10.64S 119.68E 145 4.4,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=15.5km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.5km az=149.7.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=9.9km az=64.0.

(293) South of Timor.

ISC IX 02 15 11 06.7–2.2 11.7S–.10 121.17E–.10 101–27 3.6b 20 8-72
IDC IX 02 15 10 57.4–1.5 10.99S 121.54E 0 3.9,3.8 ¶11909287
ISCJB IX 02 15 11 06.0–3.2 11.8S–.10 121.2E–.10 114–39 3.6b,3.8
NEIC IX 02 15 11 06.2–2.5 11.77S 121.04E 98–31 3.6b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=122.1km s-min=22.7km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=14.7km az=156.9.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=19.3km az=181.0.
IDC IX 20 19 29 57.3–9.3 12.88S 128.70E 0 4.7,4.5
¶11910725

IDC Error ellipse: s-maj=118.7km s-min=96.9km az=36.0.
IDC XII 16 14 30 45.5–1.9 11.78S 122.08E 0 3.8b,3.6
¶12077767

IDC Error ellipse: s-maj=150.5km s-min=26.5km az=55.0.
ISC XII 16 20 49 23.5–.49 11.75S–.09 122.2E–.10 35 3.9b 34 7-150
IDC XII 16 20 49 19.6–1.1 11.57S 122.27E 0 4.0,3.9 ¶12077805
NEIC XII 16 20 49 20.3–.41 11.67S 122.20E 10 4.3b,3.9
ISCJB XII 16 20 49 21.2–.51 11.72S–.09 122.3E–.20 33 3.9b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

SEISMIC REGION 25.
Myanmar and Southeast Asia.

(294) Myanmar-India border region.

ISC VII 07 02 50 37.0–.16 25.90N–.03 95.13E–.02 73 4.7b 347 2-162
ISCJB VII 07 02 50 34.9–.15 25.92N–.02 95.16E–.02 71 4.7b ¶11103511
BJI VII 07 02 50 34.4 26.13N 95.23E 55 4.9L,4.9b
SZGRF VII 07 02 50 35.6 25.36N 94.97E 72 5.3b,4.9b
LDG VII 07 02 50 35.7–.30 25.92N 94.98E 72–0 4.7b,3.5s
NEIC VII 07 02 50 36.7–.16 25.97N 95.33E 72 4.9b,3.5s
IDC VII 07 02 50 36.7–.56 25.91N 95.36E 74–4 4.2,4.2
MOS VII 07 02 50 37.0–.88 25.95N 95.34E 91 4.7b,4.2
DJA VII 07 02 50 39 25.87N 95.27E 91 4.9b,4.2
GCMT VII 07 02 50 39.2–.40 25.95N 95.34E 70 4.9W,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=17.8.
SZGRF Myanmar-India border region.
LDG Event type ke. Error ellipse: s-maj=14.1km s-min=11.9km az=157.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.7km az=55.0.
IDC Error ellipse: s-maj=16.7km s-min=10.5km az=54.0.
MOS Error ellipse: s-maj=10.3km s-min=5.0km az=123.4.
GCMT Event type se. Data Used: IU II CN IC G. Moment Tensor Solution. s22,c22; s60,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}1.70±.13 $M_{\theta\theta}$-2.27±.10; $M_{\phi\phi}$0.56±.11; $M_{r\theta}$-0.88±.09; $M_{\theta\phi}$1.06±.10; $M_{\phi r}$-0.56±.08; Best double couple: NP1:ϕ_s137.00000°,δ45.00000°,λ135.00000°. NP2:ϕ_s262.00000°,δ60.00000°,λ55.00000°. Principal axes: T 2.2700,Plg59.0000° ,Azm121.0000°; N 0.4400,Plg30.0000°,Azm281.0000°; P -2.7200,Plg9.0000°,Azm16.0000° M_o2.50000×10^{16}
ISC VII 18 13 10 02.1–.56 24.96N–.07 94.91E–.08 105–8 3.7b 36 1-65
BJI VII 18 13 09 56.1 25.00N 95.12E 8 3.7L ¶11480042
ISCJB VII 18 13 10 01.0–.56 24.90N–.07 94.81E–.08 120–8 3.7b
NEIC VII 18 13 10 02.1–.97 25.05N 95.07E 104–13 4.4b
IDC VII 18 13 10 03.8–3.6 25.01N 95.18E 121–36 4.1s,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=7.2km az=135.6.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=9.8km az=59.0.
IDC Error ellipse: s-maj=49.7km s-min=17.0km az=63.0.
ISC VII 22 02 20 50.0–.83 24.57N–.07 93.31E–.06 70–10 3.6b 41 1-62
IDC VII 22 02 20 41.8–2.1 24.60N 93.68E 0 3.8,3.7 ¶11227121
NEIC VII 22 02 20 48.6–.78 24.56N 93.45E 53–10 3.8b,3.7
ISCJB VII 22 02 20 50.3–.95 24.52N–.08 93.15E–.06 97–10 3.6b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 27 22 42 08.0–.10 23.60N–.02 94.63E–.02 114 5.2b 938 1-162
SZGRF VII 27 22 41 54.9 22.48N 94.66E 116 5.6b ¶13390277
TEH VII 27 22 42 04.8 23.57N 94.76E 112 5.6b
BJI VII 27 22 42 05.0 23.53N 94.50E 110 5.1b,5.1b
NEIC VII 27 22 42 05.5–.32 23.58N 94.64E 94–2 5.2b,5.1b
MOS VII 27 22 42 06.3–.87 23.59N 94.66E 115 5.2b,5.1b
ISCJB VII 27 22 42 06.0–.10 23.59N–.02 94.60E–.02 112 5.2b,5.1b
IDC VII 27 22 42 07.4–.57 23.57N 94.83E 112–4 5.0,4.9b
LDG VII 27 22 42 08.9–.42 23.75N 94.09E 112–0 5.1b,4.9b
DJA VII 27 22 42 09 23.36N 94.46E 113 5.6b,4.9b
BGS VII 27 22 42 11.5–1.2 24.05N 93.28E 90–0 5.1b,4.9b
ISC Event type ke.
SZGRF Myanmar.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.5km az=219.0.
MOS Error ellipse: s-maj=8.4km s-min=3.3km az=128.8.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=34.7.
IDC Error ellipse: s-maj=10.9km s-min=7.6km az=66.0.
LDG Event type ke. Error ellipse: s-maj=26.7km s-min=16.9km az=13.0.
BGS Error ellipse: s-maj=234.5km s-min=259.7km az=-1.0.
ISC VII 28 23 02 50.6–.50 23.60N–.05 94.45E–.05 91–6 3.8b 52 1-84
ISCJB VII 28 23 02 49.7–.61 23.59N–.06 94.39E–.05 101–6 3.8b ¶11227159
NEIC VII 28 23 02 49.7–.48 23.58N 94.60E 87–7 3.9b
IDC VII 28 23 02 50.3–3.8 23.60N 94.57E 90–38 3.6b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=5.3km az=35.2.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=4.5km az=219.0.
IDC Error ellipse: s-maj=54.7km s-min=15.1km az=66.0.
IDC VIII 02 04 21 14.3–2.3 24.65N 93.88E 0 4.0L,3.7
¶12580894

IDC Error ellipse: s-maj=67.7km s-min=32.3km az=59.0.
ISC VIII 07 20 00 00.1–1.2 23.6N–.20 94.8E–.20 85–15 3.8b 9 3-61
ISCJB VIII 07 19 59 58.5–1.4 23.6N–.20 94.7E–.30 93–17 3.8b ¶12580968
IDC VIII 07 20 00 00.2–4.4 23.19N 94.27E 96–42 3.5b,3.4
ISCJB Error ellipse: s-maj=53.4km s-min=11.5km az=140.9.
IDC Error ellipse: s-maj=96.1km s-min=21.7km az=59.0.
ISC VIII 11 14 01 33.6–1.2 23.16N–.08 94.15E–.07 10 4.0b,3.6s 28 2-87
IDC VIII 11 14 01 27.2–1.9 22.91N 93.56E 0 4.4,4.4b ¶11377579
IDC Error ellipse: s-maj=101.2km s-min=17.1km az=54.0.
ISC VIII 13 10 44 36.3–4.0 25.2N–.10 94.7E–.20 38–46 3.4b 9 1-62
ISCJB VIII 13 10 44 37.3–1.6 25.2N–.20 94.6E–.20 65–19 3.3b ¶12581050
IDC VIII 13 10 44 41.6–4.3 25.35N 94.81E 88–41 3.1,3.0b
ISCJB Error ellipse: s-maj=31.8km s-min=14.0km az=41.1.
IDC Error ellipse: s-maj=83.0km s-min=22.3km az=69.0.
ISC VIII 16 21 43 05.6–3.2 23.0N–.70 94E–1.0 97–18 3.6b 7 3-61
ISCJB VIII 16 21 43 03.9–3.4 22.9N–.70 94E–1.0 102–20 3.6b ¶12581137
IDC VIII 16 21 43 08.2–4.8 23.11N 94.03E 118–39 3.2b,3.2
ISCJB Error ellipse: s-maj=190.4km s-min=13.3km az=143.7.
IDC Error ellipse: s-maj=147.1km s-min=17.5km az=58.0.
ISC VIII 25 08 46 13.9–1.1 26.6N–.10 95.91E–.09 10 3.5b 7 3-62
ISCJB VIII 25 08 46 12.0–1.1 26.5N–.10 95.94E–.09 10 3.5b ¶12581374
IDC VIII 25 08 46 12.2–1.6 26.49N 95.95E 0 4.0L,3.8
ISCJB Error ellipse: s-maj=17.2km s-min=11.2km az=179.4.
IDC Error ellipse: s-maj=93.2km s-min=21.8km az=65.0.
ISC VIII 29 17 31 19.7–.87 23.5N–.10 94.0E–.20 69–10 3.4b 16 1-61
NEIC VIII 29 17 31 13.1–1.2 22.66N 92.55E 35 3.4b ¶11909082
ISCJB VIII 29 17 31 17.9–.99 23.5N–.10 94.0E–.20 74–11 3.4b
IDC VIII 29 17 31 18.9–4.4 23.35N 93.79E 68–37 4.0L,3.4
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=47.5km s-min=8.1km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=28.7km s-min=7.0km az=144.1.
IDC Error ellipse: s-maj=82.3km s-min=17.6km az=58.0.
ISC VIII 30 14 41 49.1–.69 25.97N–.05 95.42E–.05 106–7 4.2b 84 3-122
BJI VIII 30 14 41 46.0 25.99N 95.68E 100 4.4b,4.4b ¶11377755
NEIC VIII 30 14 41 48.0–.31 26.04N 95.68E 100 4.3b,4.4b
IDC VIII 30 14 41 48.3–.71 26.02N 95.67E 106–6 3.8b,3.8
ISCJB VIII 30 14 41 49.1–.77 25.90N–.05 95.32E–.05 126–8 4.2b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 04 20 33 38.1–.61 25.95N–.07 94.86E–.04 78–7 4.0b 57 1-87
ISCJB IX 04 20 33 36.3–.76 25.86N–.07 94.81E–.04 82–9 4.0b ¶13393442
BJI IX 04 20 33 37.5 26.19N 95.08E 74 4.3b,4.1b
NEIC IX 04 20 33 38.0–.31 26.02N 95.13E 81 4.4b,4.1b
IDC IX 04 20 33 38.2–3.7 26.02N 95.18E 83–35 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.4km az=19.4.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=5.3km az=61.0.
IDC Error ellipse: s-maj=29.4km s-min=12.5km az=58.0.
ISC IX 26 12 29 22.0–1.2 25.9N–.20 95.65E–.07 10 3.5b 6 3-62
ISCJB IX 26 12 29 20.2–1.2 25.8N–.20 95.59E–.07 10 3.5b ¶11911086
IDC IX 26 12 29 20.7–3.6 26.01N 95.86E 0 3.6,3.4b
ISCJB Error ellipse: s-maj=27.3km s-min=9.5km az=3.3.
IDC Error ellipse: s-maj=370.3km s-min=29.7km az=59.0.
ISC IX 29 04 59 15.2–1.3 23.8N–.10 93.48E–.08 92–13 3.6b 36 2-61
IDC IX 29 04 59 04.5–1.4 23.83N 93.98E 0 3.8L,3.8 ¶11366320
NEIC IX 29 04 59 10.6–.83 23.75N 93.90E 46–11 3.9b,3.8
ISCJB IX 29 04 59 14.7–1.3 23.9N–.10 93.42E–.07 111–12 3.6b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 03 17 00 39.1–1.0 23.5N–.10 93.6E–.10 59–15 3.4b 30 3-61
IDC X 03 17 00 32.8–1.9 23.66N 93.76E 0 3.5,3.4b ¶11366350
ISCJB X 03 17 00 36.9–1.2 23.4N–.10 93.5E–.10 62–17 3.4b,3.4b
NEIC X 03 17 00 38.7–.71 23.50N 93.58E 55–9 3.4b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=72.9km s-min=22.7km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=24.0km s-min=11.2km az=40.4.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=6.9km az=221.0.
ISC X 05 12 19 41.1–1.3 24.1N–.20 94.3E–.20 86–18 3.6b 9 3-61
ISCJB X 05 12 19 39.8–1.5 24.0N–.20 94.3E–.20 95–19 3.6b ¶12066000
IDC X 05 12 19 42.4–4.0 24.14N 94.54E 96–39 3.4b,3.4
ISCJB Error ellipse: s-maj=47.9km s-min=12.1km az=139.7.
IDC Error ellipse: s-maj=60.3km s-min=17.2km az=61.0.
ISC X 08 06 46 23.1–.22 23.34N–.03 93.52E–.03 67 4.5b 177 2-153
ISCJB X 08 06 46 21.0–.22 23.35N–.04 93.53E–.03 65 4.5b ¶11477928
NEIC X 08 06 46 23.1–.22 23.40N 93.89E 65 4.6b
IDC X 08 06 46 23.1–.48 23.46N 93.94E 66–3 4.1,4.1
DJA X 08 06 46 24 23.51N 94.03E 62 4.7b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.0km az=38.1.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.2km az=53.0.
IDC Error ellipse: s-maj=16.9km s-min=9.3km az=54.0.
ISC X 26 17 06 43.7–2.8 24.8N–.40 94.8E–.40 145–34 3.2b 5 3-61
ISCJB X 26 17 06 43.3–2.5 24.7N–.40 94.6E–.40 163–32 3.2b ¶12071171
IDC X 26 17 06 43.7–3.7 24.97N 95.05E 141–38 3.0b,3.0
ISCJB Error ellipse: s-maj=87.7km s-min=17.1km az=137.7.
IDC Error ellipse: s-maj=109.8km s-min=20.1km az=60.0.
IDC X 28 05 10 29.4–21 27.83N 95.74E 0 3.6b,3.6
¶12071306
IDC Error ellipse: s-maj=332.1km s-min=55.3km az=169.0.
ISC XI 08 15 34 58.2–.74 24.5N–.10 94.7E–.10 35 3.4b 9 3-61
IDC XI 08 15 34 52.4–1.6 24.41N 94.41E 0 3.7s,3.7 ¶12072833
ISCJB XI 08 15 34 55.7–.77 24.5N–.10 94.7E–.10 33 3.4b,3.7
IDC XI 11 09 48 59.3–3.3 23.09N 94.75E 183–32 3.2,3.1b
¶12073156
IDC Error ellipse: s-maj=50.7km s-min=18.5km az=61.0.
IDC XI 17 01 15 39.5–1.4 27.37N 96.71E 0 3.5,3.4b
¶12073806
IDC Error ellipse: s-maj=69.5km s-min=18.7km az=64.0.
ISC XI 22 08 04 05.1–1.7 24.8N–.20 94.9E–.20 111–20 3.8b 10 3-87
ISCJB XI 22 08 04 03.4–1.9 24.9N–.20 95.0E–.20 111–22 3.8b ¶12074483
IDC XI 22 08 04 07.0–3.6 24.89N 95.32E 133–36 3.6b,3.6
ISCJB Error ellipse: s-maj=41.9km s-min=13.4km az=44.3.
IDC Error ellipse: s-maj=60.6km s-min=17.2km az=63.0.
ISC XI 29 06 54 52.0–.35 22.80N–.03 93.88E–.03 69–3 4.6b 312 2-154
LDG XI 29 06 54 47.2–2.0 23.50N 93.32E 10–0 4.8b ¶13401456
ISCJB XI 29 06 54 50.0–.41 22.76N–.03 93.86E–.02 69–4 4.6b
MOS XI 29 06 54 50.9–.86 22.85N 94.05E 77 5.0b
BJI XI 29 06 54 52.2 22.93N 93.94E 84 5.1b,4.8b
IDC XI 29 06 54 53.2–1.5 22.82N 94.00E 85–13 4.4,4.3
NEIC XI 29 06 54 53.5–.56 22.82N 94.05E 87–5 4.6b,4.3
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=100.0km s-min=63.4km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=24.5.
MOS Error ellipse: s-maj=12.0km s-min=5.1km az=120.5.
IDC Error ellipse: s-maj=14.8km s-min=8.3km az=54.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.4km az=53.0.
ISC XII 05 12 59 54.6–.88 23.30N–.07 93.94E–.08 81–9 3.5b 26 1-87
ISCJB XII 05 12 59 53.2–.93 23.28N–.07 93.96E–.08 87–10 3.5b ¶12075886
NEIC XII 05 12 59 53.1–2.1 23.14N 93.65E 74–18 4.2b
IDC XII 05 12 59 53.9–4.0 23.16N 93.68E 79–37 3.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=10.2km az=137.3.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=10.4km az=63.0.
IDC Error ellipse: s-maj=43.0km s-min=14.8km az=62.0.
ISC XII 06 21 50 57.1–.99 24.6N–.10 93.22E–.10 65–11 3.1b 9 1-62
IDC XII 06 21 50 46.6–2.2 24.47N 92.59E 0 3.4s,3.4 ¶12076069
ISCJB XII 06 21 50 55.7–1.0 24.5N–.10 93.2E–.10 75–9 3.1b,3.4
ISC XII 14 16 54 49.1–.35 24.86N–.07 94.55E–.04 82 3.8b 83 1-66
ISCJB XII 14 16 54 46.9–.35 24.83N–.07 94.53E–.04 80 3.8b ¶11527677
NEIC XII 14 16 54 48.9–.30 24.90N 94.66E 80 4.0b
IDC XII 14 16 54 49.1–.79 24.94N 94.85E 81–7 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=3.5km az=25.9.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.4km az=213.0.
IDC Error ellipse: s-maj=40.8km s-min=11.1km az=59.0.
IDC XII 17 14 24 00.9–8.2 24.01N 94.31E 0 3.5,3.2b
¶12077923
IDC Error ellipse: s-maj=729.0km s-min=30.0km az=60.0.
ISC XII 19 01 59 49.3–1.3 23.99N–.09 93.7E–.10 45–14 3.4b 10 1-61
ISCJB XII 19 01 59 47.6–1.4 23.92N–.10 93.7E–.10 48–15 3.4b ¶12078137
IDC XII 19 01 59 52.4–5.0 24.00N 94.00E 71–43 3.7L,3.3
ISCJB Error ellipse: s-maj=20.2km s-min=11.7km az=44.8.
IDC Error ellipse: s-maj=77.4km s-min=20.7km az=69.0.
ISC XII 23 16 02 21.9–.67 24.6N–.10 94.7E–.10 82–8 3.6b 28 1-85
ISCJB XII 23 16 02 20.5–.67 24.55N–.10 94.7E–.10 86–7 3.6b ¶12078691
IDC XII 23 16 02 22.9–3.7 24.59N 94.74E 92–34 3.5,3.4b
NEIC XII 23 16 02 22.4–.74 24.61N 94.73E 87–8 4.4b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.0km s-min=8.1km az=141.0.
IDC Error ellipse: s-maj=39.0km s-min=15.1km az=67.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=6.1km az=56.0.
ISC XII 26 05 43 20.4–.55 24.66N–.09 93.84E–.06 71–6 3.2b 56 0-62
ISCJB XII 26 05 43 18.7–.58 24.60N–.09 93.79E–.06 75–6 3.2b ¶11527817
NEIC XII 26 05 43 20.5–.65 24.67N 93.88E 77–10 3.2b
IDC XII 26 05 43 21.5–4.3 24.75N 94.12E 80–39 3.7L,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=5.6km az=25.8.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=5.5km az=223.0.

IDC Error ellipse: s-maj=64.3km s-min=19.1km az=69.0.

(295) Myanmar-Bangladesh border region.

ISC VIII 01 14 45 35.0–2.4 21.9N–.40 92.1E–.50 35 3.4b 6 4-83
IDC VIII 01 14 45 29.1–2.7 21.76N 91.86E 0 3.5,3.3b ¶12580889
IDC Error ellipse: s-maj=106.5km s-min=29.3km az=57.0.
ISC IX 27 03 29 09.5–1.1 21.2N–.20 92.7E–.20 35 24 6-33
ISCJB IX 27 03 29 07.0–1.1 21.3N–.20 92.8E–.20 33 ¶11378008
NEIC IX 27 03 29 07.8–1.0 20.95N 92.69E 35 4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.9km s-min=7.9km az=39.7.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=8.5km az=211.0.
ISC X 16 16 59 06.9–1.5 21.8N–.10 92.7E–.20 35 3.4b 7 4-60
ISCJB X 16 16 59 04.6–1.5 21.8N–.10 92.7E–.20 33 3.4b ¶12068801
IDC X 16 16 59 19.7–3.9 23.16N 95.26E 111–36 3.1b,3.1
ISCJB Error ellipse: s-maj=31.6km s-min=8.4km az=145.3.
IDC Error ellipse: s-maj=98.8km s-min=21.9km az=60.0.
IDC XI 27 23 44 42.6–5.2 21.32N 92.13E 0 3.4L,3.3b
¶12075088
IDC Error ellipse: s-maj=117.4km s-min=37.0km az=44.0.

(296) Myanmar.

ISC VII 09 05 03 19.9–.51 22.72N–.07 94.02E–.05 108 4.0b 52 2-154
ISCJB VII 09 05 03 18.2–.53 22.73N–.07 94.01E–.05 106 4.0b ¶11227028
BJI VII 09 05 03 18.4 22.86N 94.21E 84 4.3b,4.0b
NEIC VII 09 05 03 19.2–1.1 22.67N 94.35E 100–9 3.9b,4.0b
IDC VII 09 05 03 20.3–1.1 22.67N 94.34E 109–8 3.9,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=4.4km az=28.6.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=6.4km az=55.0.
IDC Error ellipse: s-maj=41.5km s-min=12.3km az=58.0.
ISC VII 09 23 18 22.0–1.2 26.3N–.10 96.17E–.08 148–17 3.3b 33 2-33
IDC VII 09 23 18 12.2–2.1 26.81N 96.82E 0 4.4L,3.5 ¶11227033
BJI VII 09 23 18 16.0 26.38N 96.55E 15 3.4L,3.5
ISCJB VII 09 23 18 21.0–1.1 26.28N–.09 96.20E–.06 156–15 3.3b,3.5
NEIC VII 09 23 18 22.1–1.3 26.71N 96.54E 129–19 3.7b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=66.2km s-min=30.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=8.5km az=18.4.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=12.8km az=55.0.
ISC VII 25 18 09 39.0–.64 22.83N–.06 94.16E–.05 92–6 4.1b 65 2-84
BJI VII 25 18 09 36.9 23.00N 94.50E 77 4.8b,4.3b ¶11227145
ISCJB VII 25 18 09 37.6–.68 22.85N–.06 94.15E–.05 98–6 4.1b,4.3b
IDC VII 25 18 09 38.6–3.6 22.75N 94.10E 95–34 3.8b,3.8
NEIC VII 25 18 09 39.8–.44 22.90N 94.42E 104–4 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=5.0km az=34.4.
IDC Error ellipse: s-maj=30.1km s-min=13.5km az=61.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=4.0km az=224.0.
ISC VII 27 01 04 55.6–.73 22.97N–.07 94.01E–.09 42–6 3.9b,3.0s 67 2-154
ISCJB VII 27 01 04 52.6–.88 22.95N–.08 93.99E–.09 33–7 3.9b,3.0s ¶11169705
LDG VII 27 01 04 53.4–.21 22.97N 93.76E 33–0 4.1b,2.9s
BJI VII 27 01 04 55.2 23.09N 93.85E 33 4.5b,4.1b
NEIC VII 27 01 04 55.2–.58 22.97N 94.01E 40–6 4.0b,4.1b
IDC VII 27 01 04 57.7–3.8 23.02N 94.11E 65–35 3.7,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=7.2km az=136.0.
LDG Event type ke. Error ellipse: s-maj=10.3km s-min=9.3km az=63.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=5.3km az=223.0.
IDC Error ellipse: s-maj=34.9km s-min=14.2km az=59.0.
ISC VII 27 19 05 23.3–.52 21.80N–.05 94.31E–.05 68–5 4.2b 73 3-154
BJI VII 27 19 05 20.7 21.70N 94.15E 67 4.8b,4.6b ¶11480160
ISCJB VII 27 19 05 21.5–.63 21.81N–.05 94.28E–.05 67–6 4.2b,4.6b
NEIC VII 27 19 05 23.1–.53 21.79N 94.27E 68–5 4.4b,4.6b
IDC VII 27 19 05 25.2–2.0 21.75N 94.34E 91–17 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.2km az=37.6.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=4.8km az=222.0.
IDC Error ellipse: s-maj=20.0km s-min=12.6km az=53.0.
ISC VIII 08 17 30 09.8–2.0 24.85N–.06 96.26E–.06 11–14 3.6b 20 4-60
IDC VIII 08 17 30 08.9–1.3 25.01N 96.33E 0 3.7L,3.6b ¶11652855
NEIC VIII 08 17 30 08.9–8.6 24.97N 96.49E 4–61 4.0b,3.6b
BJI VIII 08 17 30 09.4 24.78N 96.13E 23 3.5L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=68.2km s-min=16.1km az=69.0.
NEIC Event type se. Error ellipse: s-maj=50.3km s-min=10.1km az=60.0.
BJI VIII 10 20 44 19.5 26.35N 96.03E 8 2.9L
¶11652880
ISC VIII 12 09 18 57.0–2.1 26.69N–.10 96.91E–.05 19–14 4.0b,2.8s 39 5-89
IDC VIII 12 09 18 53.7–.85 26.73N 96.97E 0 4.1,4.0 ¶11377588
ISCJB VIII 12 09 18 55.6–2.1 26.6N–.10 96.80E–.05 25–15 4.0b,2.8s
BJI VIII 12 09 18 55.2 27.05N 97.01E 15 4.6b,4.1b
NEIC VIII 12 09 18 59.1–.70 26.80N 97.09E 35 4.5b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=17.6km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=7.1km az=178.6.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=13.6km az=54.0.
BJI VIII 13 00 20 06.9 21.20N 98.40E 15 4.1L,3.6
¶11652905
ISC VIII 14 04 47 18.0–.91 22.78N–.09 94.40E–.08 120–9 3.8b 32 2-87
NEIC VIII 14 04 47 17.8–1.8 22.76N 94.65E 123–17 3.8b ¶11377599
IDC VIII 14 04 47 18.2–3.9 22.75N 94.69E 125–35 3.6b,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=46.2km s-min=9.9km az=60.0.
IDC Error ellipse: s-maj=75.9km s-min=14.7km az=59.0.
IDC VIII 23 10 48 16.7–3.8 25.42N 96.88E 0 3.8,3.5b
¶12581319
IDC Error ellipse: s-maj=472.2km s-min=28.5km az=58.0.
IDC IX 01 00 00 36.8–6.1 19.56N 93.15E 0 3.7L,3.6b
¶11909192
IDC Error ellipse: s-maj=145.3km s-min=36.3km az=37.0.
ISC IX 02 23 12 46.0–2.1 26.5N–.20 96.2E–.10 76–33 4.0b 12 3-59
IDC IX 02 23 12 38.3–1.8 26.65N 96.12E 0 4.1b,4.1 ¶11909328
IDC Error ellipse: s-maj=58.9km s-min=29.4km az=72.0.
ISC IX 10 19 07 11.3–3.5 26.72N–.08 96.82E–.06 16–23 3.8b 25 5-65
IDC IX 10 19 07 08.2–.89 26.59N 96.76E 0 3.9,3.7b ¶11909985
BJI IX 10 19 07 15.7 27.18N 96.42E 17 4.1b,3.5L
NEIC IX 10 19 07 16.1–1.1 26.66N 96.77E 61–12 4.2b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=34.6km s-min=17.1km az=57.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=7.2km az=56.0.
ISC IX 16 04 25 39.7–.78 22.3N–.10 94.4E–.10 68–10 3.8b 40 4-60
IDC IX 16 04 25 32.1–1.4 22.47N 94.79E 0 3.9b,3.9 ¶11377933
NEIC IX 16 04 25 38.6–.61 22.10N 94.57E 70–10 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=93.8km s-min=17.1km az=57.0.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=6.1km az=221.0.
ISC IX 18 20 33 18.9–1.0 25.2N–.10 96.6E–.30 35 3.4b 7 7-30
IDC IX 18 20 33 14.2–2.0 25.20N 96.47E 0 3.8L,3.6b ¶11910582
ISCJB IX 18 20 33 16.7–1.0 25.1N–.10 96.5E–.30 33 3.4b,3.6b
NEIC IX 18 20 33 19.1–.78 25.20N 96.65E 35 3.4b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=77.5km s-min=30.6km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=36.5km s-min=13.7km az=155.9.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=11.7km az=66.0.
IDC IX 20 22 39 48.4–1.9 20.67N 93.28E 0 3.8b,3.8
¶11910742
IDC Error ellipse: s-maj=78.2km s-min=20.7km az=47.0.
IDC X 01 15 43 07.3–2.4 22.67N 94.99E 0 3.8b,3.5
¶11911555
IDC Error ellipse: s-maj=90.3km s-min=20.8km az=55.0.

ISC	**X**	**04 11 36 40.9–.43**	**24.92N–.05**	**96.45E–.07**	**10**	**3.8b,2.9s**	**55**	**4-78**	
ISCJB	X	04 11 36 39.2–.49	24.91N–.07	96.36E–.07	10	3.8b,2.9s			**¶12065896**
IDC	X	04 11 36 39.8–.78	25.05N	96.50E	0	4.0L,3.9			
NEIC	X	04 11 36 40.8–.49	24.91N	96.44E	10	3.9b,3.9			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=11.6km s-min=6.4km az=41.9.								
IDC	Error ellipse: s-maj=41.5km s-min=13.6km az=62.0.								
NEIC	Event type se. Error ellipse: s-maj=13.1km s-min=6.7km az=48.0.								
IDC	**X**	**08 00 22 02.5–4.1**	**19.51N**	**94.27E**	**0**	**3.9L,3.7b**			**¶12066303**
IDC	Error ellipse: s-maj=102.1km s-min=33.5km az=39.0.								
ISC	**X**	**20 14 32 34.5–.55**	**21.38N–.09**	**93.68E–.08**	**44–6**	**4.0b**	**82**	**4-87**	
ISCJB	X	20 14 32 31.7–.74	21.3N–.10	93.61E–.09	40–8	4.0b			**¶11478020**
NEIC	X	20 14 32 34.8–.33	21.22N	93.58E	52	4.2b			
IDC	X	20 14 32 36.6–3.6	21.35N	93.82E	67–33	4.0L,3.9			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=21.4km s-min=4.0km az=38.3.								
NEIC	Event type se. Error ellipse: s-maj=14.8km s-min=3.9km az=220.0.								
IDC	Error ellipse: s-maj=42.6km s-min=12.3km az=52.0.								
ISC	**XI**	**10 20 55 05.3–.14**	**23.00N–.03**	**94.36E–.03**	**110**	**4.8b**	**513**	**3-162**	
SZGRF	XI	10 20 54 51.5	21.67N	96.82E	108	5.5b			**¶13399780**
BJI	XI	10 20 54 55.1	22.78N	94.23E	34	5.0b,4.9L			
DJA	XI	10 20 55 00	23.01N	94.19E	60	5.2b,4.9L			
MOS	XI	10 20 55 01.1–.87	23.05N	94.50E	89	4.8b,4.9L			
ISCJB	XI	10 20 55 03.2–.14	23.02N–.03	94.37E–.03	108	4.8b,4.9L			
NEIC	XI	10 20 55 04.5–.14	23.02N	94.57E	108	4.7b,4.9L			
IDC	XI	10 20 55 04.7–.41	23.02N	94.56E	108–3	4.5,4.4			
LDG	XI	10 20 55 06.7–.29	23.16N	93.74E	109–0	4.6b,2.9s			
ISC	Event type ke.								
SZGRF	Myanmar.								
MOS	Error ellipse: s-maj=12.1km s-min=4.0km az=126.5.								
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=2.6km az=43.1.								
NEIC	Event type se. Error ellipse: s-maj=6.2km s-min=3.3km az=52.0.								
IDC	Error ellipse: s-maj=11.7km s-min=7.6km az=53.0.								
LDG	Event type ke. Error ellipse: s-maj=14.0km s-min=9.1km az=119.0.								
ISC	**XI**	**11 02 18 47.6–.94**	**19.3N–.10**	**95.2E–.10**	**53–7**	**3.9b**	**45**	**4-128**	
IDC	XI	11 02 18 40.0–.98	19.13N	95.10E	0	4.0,3.9b			**¶11433889**
ISCJB	XI	11 02 18 45.4–1.1	19.2N–.10	95.1E–.10	54–10	3.9b,3.9b			
NEIC	XI	11 02 18 45.8–.79	19.32N	95.22E	35	4.1b,3.9b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=58.4km s-min=17.0km az=54.0.								
ISCJB	Event type se. Error ellipse: s-maj=28.9km s-min=7.8km az=32.4.								
NEIC	Event type se. Error ellipse: s-maj=27.9km s-min=9.3km az=220.0.								
ISC	**XI**	**11 02 19 17.1–.56**	**19.34N–.04**	**95.31E–.03**	**63–5**	**4.6b**	**259**	**3-154**	
DJA	XI	11 02 19 06	18.90N	96.52E	10	5.1b			**¶13399796**
IDC	XI	11 02 19 07.7–.51	19.27N	95.39E	0	4.4,4.3b			
BJI	XI	11 02 19 08.8	19.00N	95.18E	35	5.4L,5.0b			
SZGRF	XI	11 02 19 11.2	19.17N	95.86E	33	5.4b,5.0b			
MOS	XI	11 02 19 14.2–.73	19.61N	95.32E	42	5.0b,5.0b			
ISCJB	XI	11 02 19 14.9–.66	19.33N–.04	95.26E–.03	59–6	4.6b,3.8s			
NEIC	XI	11 02 19 18.4–.93	19.37N	95.51E	83–9	4.7b,3.8s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=27.7km s-min=11.7km az=56.0.								
SZGRF	Myanmar.								
MOS	Error ellipse: s-maj=13.6km s-min=5.2km az=126.0.								
ISCJB	Event type se. Error ellipse: s-maj=6.7km s-min=5.2km az=2.6.								
NEIC	Event type se. Error ellipse: s-maj=9.4km s-min=5.2km az=65.0.								
IDC	**XI**	**13 23 26 50.4–8.5**	**18.61N**	**94.65E**	**0**	**3.5,3.4L**			**¶12073467**
IDC	Error ellipse: s-maj=173.6km s-min=36.0km az=26.0.								
IDC	**XI**	**22 00 41 26.0–8.0**	**20.48N**	**93.67E**	**0**	**3.5,3.2b**			**¶12074461**
IDC	Error ellipse: s-maj=183.4km s-min=87.2km az=173.0.								
ISC	**XII**	**12 21 25 25.9–3.1**	**18.2N–.40**	**94.4E–.10**	**35**		**25**	**4-14**	
NEIC	XII	12 21 25 26.6–3.8	18.30N	94.42E	35				**¶11527653**
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=86.4km s-min=6.0km az=202.0.								
ISC	**XII**	**16 22 31 32.3–.52**	**21.30N–.09**	**94.69E–.08**	**112–7**	**3.8b**	**58**	**5-68**	
ISCJB	XII	16 22 31 31.3–.57	21.33N–.10	94.75E–.08	124–9	3.8b			**¶11527697**
IDC	XII	16 22 31 32.1–4.3	21.29N	94.65E	109–43	3.6,3.5b			
NEIC	XII	16 22 31 32.2–.42	21.12N	94.56E	121–5	4.1b,3.5b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=19.8km s-min=5.5km az=37.5.								
IDC	Error ellipse: s-maj=60.1km s-min=29.6km az=67.0.								
NEIC	Event type se. Error ellipse: s-maj=11.7km s-min=4.0km az=209.0.								
ISC	**XII**	**18 12 15 48.6–.98**	**24.2N–.20**	**95.2E–.20**	**35**	**3.6b**	**8**	**1-61**	
IDC	XII	18 12 15 43.1–3.9	24.03N	95.04E	0	3.9,3.8b			**¶12078056**
ISCJB	XII	18 12 15 46.1–1.0	24.1N–.20	95.3E–.20	33	3.6b,3.8b			
ISC	**XII**	**19 11 52 32.8–.78**	**22.58N–.06**	**94.43E–.07**	**112–7**	**4.3b**	**69**	**2-84**	
ISCJB	XII	19 11 52 31.4–.85	22.60N–.07	94.52E–.08	119–8	4.3b			**¶11527732**
NEIC	XII	19 11 52 32.3–.63	22.58N	94.53E	108–6	4.5b			
IDC	XII	19 11 52 33.6–2.1	22.67N	94.66E	120–18	4.0,3.9b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=14.0km s-min=8.0km az=138.8.								
NEIC	Event type se. Error ellipse: s-maj=13.7km s-min=5.7km az=48.0.								
IDC	Error ellipse: s-maj=36.0km s-min=11.7km az=59.0.								
ISC	**XII**	**20 23 22 48.0–.82**	**22.70N–.03**	**95.86E–.02**	**8–5**	**4.7s,4.5b**	**266**	**3-146**	
ISCJB	XII	20 23 22 46.3–.70	22.72N–.02	95.84E–.02	10–4	4.7s,4.5b			**¶11514990**
BJI	XII	20 23 22 47.1	22.70N	95.85E	16	5.2s,5.1b			
IDC	XII	20 23 22 47.1–.53	22.78N	95.98E	0	4.8L,4.6s			
NEIC	XII	20 23 22 48.4–.25	22.75N	95.90E	10	4.8b,4.6s			
MOS	XII	20 23 22 49.5–1.4	22.67N	95.78E	33	4.9b,4.7s			
GCMT	XII	20 23 22 51.2–.10	22.65N	96.09E	15–0	5.3W,4.7s			
DJA	XII	20 23 24 18	16.54N	96.47E	293	4.5b,4.7s			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=13.7.								
IDC	Error ellipse: s-maj=22.8km s-min=10.5km az=58.0.								
NEIC	Event type se. Error ellipse: s-maj=7.5km s-min=4.1km az=44.0.								
MOS	Error ellipse: s-maj=9.2km s-min=5.5km az=115.5.								
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s62,c88; s99,c193; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s359.00000°,δ79.00000°,λ172.00000°. NP2:ϕ_s90.00000°,δ82.00000°,λ11.00000°. Principal axes: T 1.1000,Plg13.0000° ,Azm315.0000°; N -0.1800,Plg76.0000°,Azm125.0000°; P -0.9200,Plg2.0000° ,Azm224.0000° M_o1.00000×10^{17}								
ISC	**XII**	**21 14 51 04.9–.42**	**22.74N–.09**	**96.1E–.10**	**10**	**3.9b**	**36**	**3-80**	
IDC	XII	21 14 51 03.2–1.3	22.74N	95.85E	0	4.2L,3.9			**¶12078471**
NEIC	XII	21 14 51 07.1–3.0	22.56N	95.70E	27–25	4.6b,3.9			
ISC	Event type se.								
IDC	Error ellipse: s-maj=37.7km s-min=18.1km az=64.0.								
NEIC	Event type se. Error ellipse: s-maj=55.6km s-min=7.5km az=55.0.								
ISC	**XII**	**22 19 44 45.8–1.6**	**21.9N–.40**	**94.8E–.50**	**95–15**	**3.5b**	**8**	**5-59**	
ISCJB	XII	22 19 44 44.3–1.7	21.9N–.40	94.8E–.50	100–16	3.5b			**¶12078591**
IDC	XII	22 19 44 45.0–4.0	21.83N	94.73E	89–38	3.3,3.2b			
ISCJB	Error ellipse: s-maj=100.5km s-min=11.6km az=141.5.								
IDC	Error ellipse: s-maj=64.6km s-min=16.7km az=59.0.								
ISC	**XII**	**24 14 43 46.9–2.4**	**19.9N–.20**	**94.6E–.30**	**71–17**	**3.6b**	**22**	**4-82**	
IDC	XII	24 14 43 37.5–1.7	19.71N	94.40E	0	3.8b,3.8			**¶12078823**
NEIC	XII	24 14 43 44.9–3.7	19.77N	94.47E	55–30	3.8b,3.8			
ISCJB	XII	24 14 43 45.0–2.7	19.9N–.20	94.6E–.30	73–20	3.6b,3.8			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**XII**	**28 23 44 22.1–1.7**	**23.3N–.10**	**95.6E–.20**	**10**	**3.6b**	**10**	**5-60**	
IDC	XII	28 23 44 32.7–5.9	23.86N	97.83E	33–48	3.7L,3.5			**¶12079300**
IDC	Error ellipse: s-maj=61.6km s-min=24.3km az=59.0.								
IDC	**XII**	**31 12 38 20.5–4.8**	**22.55N**	**94.14E**	**100–39**	**3.2,3.1b**			**¶12079656**
IDC	Error ellipse: s-maj=97.7km s-min=24.4km az=60.0.								

(297) Myanmar-China border region.

ISC	**VII**	**14 10 46 47.6–.80**	**24.72N–.05**	**98.88E–.07**	**10**	**3.3b**	**10**	**4-35**	
ISCJB	VII	14 10 46 45.9–.82	24.70N–.05	98.95E–.06	10	3.3b			**¶11479988**
IDC	VII	14 10 46 47.2–1.5	24.85N	98.92E	0	3.7L,3.5b			
BJI	VII	14 10 46 50.7	25.03N	98.69E	15	3.6L,3.3s			
ISCJB	Error ellipse: s-maj=8.5km s-min=6.8km az=13.7.								
IDC	Error ellipse: s-maj=40.6km s-min=18.3km az=85.0.								
ISC	**VIII**	**12 18 37 51.5–.93**	**24.33N–.05**	**98.96E–.07**	**10**	**3.0b**	**10**	**4-59**	
ISCJB	VIII	12 18 37 49.8–.93	24.27N–.05	99.06E–.07	10	3.0b			**¶11652902**
IDC	VIII	12 18 37 50.3–1.3	24.38N	98.87E	0	3.8L,3.3			
BJI	VIII	12 18 37 52.5	24.53N	98.70E	28	3.4L,3.2s			
ISCJB	Error ellipse: s-maj=10.2km s-min=6.6km az=23.4.								
IDC	Error ellipse: s-maj=44.5km s-min=17.5km az=83.0.								
ISC	**VIII**	**19 21 35 12.8–.12**	**25.04N–.02**	**97.87E–.02**	**10**	**5.0b,4.3s**	**627**	**4-155**	
ISCJB	VIII	19 21 35 10.9–.12	25.05N–.02	97.87E–.02	10	5.0b,4.3s			**¶13392144**
IDC	VIII	19 21 35 10.8–.39	25.04N	97.90E	0	4.9,4.8			
BJI	VIII	19 21 35 12.4	25.09N	97.89E	15	5.0b,4.9s			
TEH	VIII	19 21 35 13.0	25.04N	97.92E	8	5.0b,4.9s			
MOS	VIII	19 21 35 14.1–.83	25.06N	97.90E	33	5.2b,4.3s			
GCMT	VIII	19 21 35 16.5–.20	25.09N	98.03E	19–0	5.0W,4.3s			
NEIC	VIII	19 21 35 17.2–.51	25.05N	97.92E	46–5	5.0b,4.3s			
SZGRF	VIII	19 21 35 19.8	25.36N	97.54E	33	5.4b,4.2s			
DJA	VIII	19 21 35 21	25.02N	97.91E	73	5.2b,4.2s			
PLV	VIII	19 21 35 25.9–4.1	24.88N	98.98E	10–255	4.2L,4.2s			
ISC	Event type de.								
ISCJB	Event type de. Error ellipse: s-maj=3.1km s-min=2.2km az=12.4.								
IDC	Error ellipse: s-maj=14.5km s-min=9.5km az=61.0.								
MOS	Error ellipse: s-maj=7.3km s-min=3.7km az=121.7.								
GCMT	Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s32,c37; s61,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.36±.18 $M_{\theta\theta}$1.16±.11; $M_{\phi\phi}$2.20±.11; $M_{r\theta}$1.24±.28; $M_{\theta\phi}$2.34±.08; $M_{\phi r}$-0.01±.23; Best double couple: NP1:ϕ_s21.00000°,δ42.00000°,λ-117.00000°. NP2:ϕ_s235.00000°,δ53.00000°,λ-68.00000°. Principal axes: T 4.1600,Plg6.0000° ,Azm310.0000°; N -0.4100,Plg18.0000°,Azm42.0000°; P -3.7500,Plg71.0000° ,Azm202.0000° M_o4.00000×10^{16}								
NEIC	Event type de. Error ellipse: s-maj=3.5km s-min=2.9km az=208.0. Five rooms collapsed and 2,420 rooms, 23 large buildings and 10 roads damaged in Yingjiang, China. Also felt in the Kachin State border region, Myanmar.								
SZGRF	Myanmar-China border region.								
PLV	Error ellipse: s-maj=339.0km s-min=641.5km az=-1.0.								
ISC	**VIII**	**19 21 44 04.8–.81**	**24.93N–.08**	**98.07E–.06**	**10**	**3.6b**	**8**	**4-57**	
ISCJB	VIII	19 21 44 02.8–.90	24.80N–.08	98.18E–.07	10	3.6b			**¶11653002**
IDC	VIII	19 21 44 03.8–2.0	24.91N	98.16E	0	3.7s,3.7			
BJI	VIII	19 21 44 05.6	25.31N	97.89E	20	3.5L,3.7			
ISCJB	Error ellipse: s-maj=11.9km s-min=8.9km az=2.4.								
IDC	Error ellipse: s-maj=91.3km s-min=26.2km az=65.0.								
ISC	**VIII**	**19 21 49 46.4–1.0**	**24.93N–.09**	**98.01E–.07**	**10**	**3.3b**	**7**	**4-57**	
IDC	VIII	19 21 49 46.1–1.3	25.22N	98.30E	0	3.4,3.3L			**¶12581216**
IDC	Error ellipse: s-maj=52.2km s-min=17.4km az=73.0.								
ISC	**VIII**	**19 21 52 46.0–.75**	**24.95N–.07**	**98.07E–.06**	**10**	**3.4b**	**9**	**4-57**	
BJI	VIII	19 21 52 43.4	24.66N	97.77E	6	3.4L			**¶11653003**
ISCJB	VIII	19 21 52 44.4–.82	25.05N–.09	98.16E–.06	10	3.4b			
IDC	VIII	19 21 52 44.7–1.4	25.04N	97.93E	0	3.6,3.5L			
ISCJB	Error ellipse: s-maj=13.9km s-min=7.7km az=12.8.								
IDC	Error ellipse: s-maj=51.1km s-min=18.4km az=75.0.								
ISC	**VIII**	**20 00 18 58.7–3.1**	**24.9N–.10**	**98.0E–.10**	**1–22**	**3.4b**	**5**	**4-57**	
IDC	VIII	20 00 18 59.1–1.7	25.20N	98.46E	0	3.6,3.4b			**¶12581221**
IDC	Error ellipse: s-maj=65.8km s-min=22.3km az=73.0.								
ISC	**VIII**	**20 02 08 31.7–1.1**	**24.95N–.09**	**97.98E–.07**	**10**	**3.6b**	**6**	**4-57**	
ISCJB	VIII	20 02 08 28.8–1.1	24.84N–.09	98.05E–.07	10	3.6b			**¶11653006**
BJI	VIII	20 02 08 32.6	25.21N	97.82E	15	3.2L			
IDC	VIII	20 02 08 32.9–1.6	25.32N	98.16E	0	3.8,3.6b			
ISCJB	Error ellipse: s-maj=13.6km s-min=9.3km az=0.4.								
IDC	Error ellipse: s-maj=84.1km s-min=24.6km az=66.0.								
ISC	**VIII**	**20 03 52 01.4–1.1**	**24.95N–.09**	**98.00E–.07**	**10**	**3.4b**	**5**	**4-31**	
ISCJB	VIII	20 03 51 58.5–1.1	24.85N–.10	98.07E–.07	10	3.4b			**¶11653008**
IDC	VIII	20 03 52 01.1–2.1	25.26N	98.49E	0	3.6b,3.6			
BJI	VIII	20 03 52 05.7	24.94N	98.10E	8	3.3L,3.6			
ISCJB	Error ellipse: s-maj=13.8km s-min=9.4km az=0.4.								
IDC	Error ellipse: s-maj=65.3km s-min=22.7km az=81.0.								
ISC	**VIII**	**21 12 20 54.9–.86**	**24.88N–.03**	**97.81E–.02**	**7–6**	**5.5s,4.7b**	**287**	**4-149**	
ISCJB	VIII	21 12 20 53.6–.21	24.90N–.03	97.81E–.02	10	5.5s,4.7b			**¶13392263**
BJI	VIII	21 12 20 54.3	24.93N	97.81E	16	5.3s,5.1L			
MOS	VIII	21 12 20 56.4–1.5	24.87N	97.93E	33	5.1b,5.1L			
IDC	VIII	21 12 20 57.0–3.6	24.89N	97.87E	33–28	4.9L,4.2			
NEIC	VIII	21 12 20 58.8–1.0	24.86N	97.82E	37–10	4.9b,4.2			
SZGRF	VIII	21 12 21 08.6	24.81N	96.44E	33	5.0b,4.2			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=4.8km s-min=3.0km az=179.8.								
MOS	Error ellipse: s-maj=9.6km s-min=4.6km az=118.6.								
IDC	Error ellipse: s-maj=15.7km s-min=10.4km az=56.0.								
NEIC	Event type se. Error ellipse: s-maj=8.8km s-min=6.7km az=210.0.								
SZGRF	Myanmar.								
ISC	**VIII**	**21 12 24 31.9–.10**	**25.21N–.02**	**97.72E–.02**	**10**	**5.8s,5.4b**	**978**	**3-169**	
BJI	VIII	21 12 24 27.8	24.91N	97.79E	14	6.1s,5.8L			**¶13392265**
NEIC	VIII	21 12 24 30.9–.14	25.04N	97.70E	10	6.6,6.0W			
ISCJB	VIII	21 12 24 30.0–.11	25.20N–.02	97.69E–.02	10	5.8s,5.4b			
IDC	VIII	21 12 24 31.0–1.7	25.10N	98.06E	16–9	5.7L,5.6s			
MOS	VIII	21 12 24 31.7–1.1	25.01N	97.83E	33	5.7s,5.6b			
GCMT	VIII	21 12 24 35.7–.10	24.92N	97.99E	18–0	6.0W,5.6b			
SZGRF	VIII	21 12 24 35.6	24.70N	97.42E	33	5.9b,5.9s			
DJA	VIII	21 12 24 35	25.28N	97.95E	13	5.9W,5.9s			
BGS	VIII	21 12 24 36.3–2.3	26.19N	97.65E	10–0	5.9s,5.3b			
CSEM	VIII	21 12 24 48.0–99	33.00N	8.00E	1	5.9s,5.3b			
ISC	Event type de.								
NEIC	Event type de. Error ellipse: s-maj=4.6km s-min=3.0km az=23.0. Five people killed, 127 injured and severe damage at Yingjiang, China. Felt [II] at Bangkok, Thailand. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000° ,δ85.00000°,λ-10.00000°. NP2:ϕ_s326.00000°,δ80.00000°,λ-175.00000°. Principal axes: T Plg3.0000°,Azm281.0000°; N Plg0.0000°,Azm0.0000°; P Plg11.0000°,Azm190.0000° Moment Tensor Solution. s81 Moment tensor: Scale 10^{18}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s295.00000°,δ34.00000°,λ0.00000°. NP2:ϕ_s205.00000°,δ90.00000°,λ124.00000°. Principal axes: T 1.2400,Plg36.0000° ,Azm143.0000°; N -0.5500,Plg33.0000°,Azm24.0000°; P -0.6900,Plg35.0000° ,Azm265.0000° M_o1.10000×10^{18}								
ISCJB	Event type de. Error ellipse: s-maj=2.8km s-min=2.0km az=13.7.								
IDC	Error ellipse: s-maj=11.8km s-min=8.0km az=53.0.								
MOS	Error ellipse: s-maj=7.8km s-min=4.0km az=121.6.								
GCMT	Event type se. Data Used: II IU CN IC G. Surface waves: sta=111, comp=254, per= 50. Moment Tensor Solution. s105,c200; s81,c128; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.07±.01 $M_{\theta\theta}$0.36±.01; $M_{\phi\phi}$-0.28±.01; $M_{r\theta}$0.24±.02; $M_{\theta\phi}$1.25±.01; $M_{\phi r}$0.05±.02; Best double couple: NP1:ϕ_s7.00000°,δ80.00000°,λ178.00000°. NP2:ϕ_s97.00000°,δ88.00000°,λ10.00000°. Principal axes: T 1.3600,Plg9.0000°,Azm323.0000°; N -0.1000,Plg80.0000°,Azm111.0000° ; P -1.2600,Plg5.0000°,Azm232.0000° M_o1.30000×10^{18}								
SZGRF	Myanmar-China border region.								
BGS	Error ellipse: s-maj=724.6km s-min=962.9km az=-1.0.								
CSEM	Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MOLD.								
ISC	**VIII**	**21 12 36 51.1–2.2**	**24.79N–.07**	**98.0E–.10**	**3–15**	**3.6b**	**12**	**4-59**	
BJI	VIII	21 12 36 50.9	25.10N	97.72E	19	4.0L			**¶11653024**
IDC	VIII	21 12 36 50.6–1.2	24.87N	98.19E	0	4.0L,3.7			
NEIC	VIII	21 12 36 52.2–.64	24.84N	98.21E	10	4.0L,3.7			
ISC	Event type se.								
IDC	Error ellipse: s-maj=60.5km s-min=16.3km az=74.0.								
NEIC	Event type se. Error ellipse: s-maj=37.1km s-min=9.6km az=77.0.								
ISC	**VIII**	**21 15 12 10.4–1.2**	**24.47N–.10**	**98.35E–.06**	**10**		**6**	**4-6**	
BJI	VIII	21 15 12 04.5	24.88N	97.88E	19	3.5L			**¶11653025**
ISCJB	VIII	21 15 12 06.3–1.2	24.61N–.06	98.33E–.06	10	3.5L			
ISC	**VIII**	**21 16 39 01.8–.40**	**24.84N–.03**	**98.02E–.04**	**10**	**3.6b**	**32**	**4-59**	
ISCJB	VIII	21 16 38 59.1–.43	24.76N–.04	97.98E–.07	10	3.6b			**¶11653028**
IDC	VIII	21 16 39 01.0–1.0	24.94N	98.11E	0	3.6,3.5			
BJI	VIII	21 16 39 03.2	24.98N	97.96E	15	3.9L,3.5			
NEIC	VIII	21 16 39 04.2–3.2	24.76N	97.68E	21–26	3.9b,3.5			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.7km az=157.2.
IDC Error ellipse: s-maj=55.3km s-min=14.9km az=72.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.3km az=63.0.
ISC VIII 21 22 22 11.1–1.2 24.88N–.06 98.15E–.06 10 7 4-6
ISCJB VIII 21 22 22 06.7–1.2 24.82N–.05 98.15E–.06 10 ¶11653033
BJI VIII 21 22 22 10.1 25.09N 97.90E 27 3.6L
ISCJB Error ellipse: s-maj=8.3km s-min=7.2km az=41.1.
ISC VIII 22 07 49 43.2–.81 24.91N–.05 97.95E–.06 10 3.5b 12 4-67
ISCJB VIII 22 07 49 40.6–.82 24.84N–.05 98.03E–.06 10 3.5b ¶11653038
IDC VIII 22 07 49 41.9–1.8 25.13N 98.38E 0 4.7s,4.7
BJI VIII 22 07 49 42.2 25.08N 97.71E 30 3.8L,4.7
ISCJB Error ellipse: s-maj=8.4km s-min=7.0km az=167.3.
IDC Error ellipse: s-maj=62.7km s-min=19.1km az=80.0.
ISC VIII 22 12 06 17.1–.23 24.95N–.03 97.86E–.03 10 4.4b,3.7s 157 4-122
SZGRF VIII 22 12 06 13.0 23.82N 99.04E 33 4.7b,3.7s ¶13392327
IDC VIII 22 12 06 14.9–.55 24.95N 98.04E 0 5.1L,4.4
ISCJB VIII 22 12 06 15.2–.28 24.91N–.04 97.83E–.04 10 4.4b,3.7s
BJI VIII 22 12 06 15.5 24.85N 97.88E 18 4.8L,4.8b
MOS VIII 22 12 06 17.8–1.2 24.95N 98.03E 33 4.6b,4.8b
NEIC VIII 22 12 06 18.3–.23 24.97N 98.05E 20 4.6b,3.9s
ISC Event type se.
SZGRF Myanmar-China border region.
IDC Error ellipse: s-maj=22.6km s-min=12.4km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.9km az=165.4.
MOS Error ellipse: s-maj=19.3km s-min=7.9km az=111.5.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=66.0.
ISC VIII 22 14 40 30.8–.93 24.99N–.08 98.2E–.10 10 3.5b 9 4-57
BJI VIII 22 14 40 17.2 24.09N 97.24E 10 3.8L ¶11653044
ISCJB VIII 22 14 40 28.8–.92 25.03N–.07 98.2E–.10 10 3.5b
IDC VIII 22 14 40 29.2–1.3 24.93N 98.01E 0 3.7L,3.7
ISCJB Error ellipse: s-maj=16.6km s-min=9.6km az=173.2.
IDC Error ellipse: s-maj=51.8km s-min=17.3km az=73.0.
ISC VIII 23 00 50 52.9–.98 24.88N–.05 98.13E–.07 10 3.3b 8 4-31
ISCJB VIII 23 00 50 50.6–.99 24.82N–.05 98.23E–.07 10 3.3b ¶11653052
IDC VIII 23 00 50 52.2–1.9 24.80N 97.64E 0 4.1L,3.6
BJI VIII 23 00 50 53.9 24.89N 97.91E 29 3.5L,3.6
ISCJB Error ellipse: s-maj=9.1km s-min=7.7km az=1.3.
IDC Error ellipse: s-maj=79.5km s-min=21.3km az=76.0.
ISC VIII 29 07 48 07.1–.77 22.57N–.06 100.1E–.10 10 3.5b 14 3-56
ISCJB VIII 29 07 48 04.3–.77 22.52N–.06 100.2E–.10 10 3.5b ¶11653124
IDC VIII 29 07 48 07.1–1.2 22.72N 99.77E 0 4.6,4.6s
BJI VIII 29 07 48 08.3 22.81N 99.53E 19 4.0L,3.9s
ISCJB Error ellipse: s-maj=19.1km s-min=4.4km az=23.1.
IDC Error ellipse: s-maj=28.5km s-min=16.6km az=84.0.
ISC VIII 31 04 06 44.8–.39 24.78N–.03 98.00E–.04 10 3.8b 34 4-59
ISCJB VIII 31 04 06 42.0–.42 24.66N–.03 98.02E–.05 10 3.8b ¶11653146
IDC VIII 31 04 06 44.2–.96 24.98N 98.09E 0 4.4L,3.9
NEIC VIII 31 04 06 46.0–.46 24.77N 97.66E 10 4.0b,3.9
BJI VIII 31 04 06 47.9 25.13N 98.01E 10 4.1L,3.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.7km az=158.2.
IDC Error ellipse: s-maj=46.3km s-min=14.5km az=71.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.1km az=65.0.
ISC IX 02 18 59 20.5–.30 24.81N–.03 97.99E–.03 10 3.9b 51 4-86
ISCJB IX 02 18 59 18.2–.34 24.78N–.03 98.02E–.04 10 3.9b ¶11909300
IDC IX 02 18 59 20.4–.89 24.89N 98.14E 0 4.6L,4.0
NEIC IX 02 18 59 20.9–4.1 24.88N 98.01E 8–27 4.1b,4.0
BJI IX 02 18 59 21.5 24.85N 97.96E 19 4.5b,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.5km az=139.9.
IDC Error ellipse: s-maj=34.6km s-min=13.9km az=71.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.7km az=67.0.
ISC IX 03 06 27 25.2–.17 24.81N–.02 97.77E–.02 10 4.6b,4.3s 249 3-150
ISCJB IX 03 06 27 23.5–.18 24.83N–.03 97.73E–.02 10 4.6b,4.3s ¶13393267
BJI IX 03 06 27 24.2 24.82N 97.80E 25 5.0s,4.9L
IDC IX 03 06 27 24.2–.48 24.90N 97.86E 0 5.3L,4.5
NEIC IX 03 06 27 25.5–.20 24.87N 97.78E 10 4.8b,4.5
SZGRF IX 03 06 27 25.7 24.57N 98.41E 33 4.8b,4.5
GCMT IX 03 06 27 26.8–.30 24.84N 98.02E 18–1 5.0W,4.5
TEH IX 03 06 27 26.0 24.81N 97.66E 10 5.0W,4.5
MOS IX 03 06 27 28.0–1.1 25.01N 97.71E 33 4.9b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.8km az=6.7.
IDC Error ellipse: s-maj=19.0km s-min=10.8km az=60.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.0km az=51.0.
SZGRF Myanmar-China border region.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s22,c24; s73,c121; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.14 $M_{\theta\theta}$1.09±.13; $M_{\phi\phi}$-0.47±.12; $M_{r\theta}$-0.14±.26; $M_{\theta\phi}$3.53±.11; $M_{\phi r}$-0.36±.26; Best double couple: NP1:ϕ_s276.00000°,δ84.00000°,λ0.00000°. NP2:ϕ_s186.00000°,δ90.00000°,λ174.00000°. Principal axes: T 3.9500,Plg4.0000° ,Azm141.0000°; N -0.6300,Plg84.0000°,Azm6.0000°; P -3.3200,Plg4.0000°,Azm231.0000° M_o3.60000×10^{16}
MOS Error ellipse: s-maj=12.3km s-min=5.9km az=122.3.
ISC IX 06 19 31 53.8–.25 24.73N–.02 97.70E–.03 10 4.0b,3.4s 75 3-77
ISCJB IX 06 19 31 52.3–.28 24.85N–.04 97.66E–.03 10 4.0b,3.4s ¶11909627
IDC IX 06 19 31 52.8–.68 24.94N 97.69E 0 4.3L,4.0
BJI IX 06 19 31 54.2 24.87N 97.79E 25 4.4s,4.3L
NEIC IX 06 19 31 55.3–3.5 24.92N 97.76E 17–23 4.2b,4.3L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.8km az=15.5.
IDC Error ellipse: s-maj=38.6km s-min=12.0km az=63.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.9km az=58.0.
IDC IX 08 00 17 01.2–1.6 25.40N 97.20E 0 3.8,3.6b
¶11909767
IDC Error ellipse: s-maj=132.5km s-min=24.7km az=63.0.
ISC IX 10 15 49 42.9–.65 24.78N–.04 98.95E–.06 10 3.6b 19 3-59
ISCJB IX 10 15 49 39.9–.72 24.62N–.04 98.97E–.06 10 3.6b ¶11909965
IDC IX 10 15 49 42.2–1.1 24.94N 98.95E 0 3.7b,3.7
NEIC IX 10 15 49 43.5–.66 24.86N 98.83E 10 3.7b,3.7
BJI IX 10 15 49 44.0 24.92N 98.74E 12 3.6L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=5.8km az=18.5.
IDC Error ellipse: s-maj=43.7km s-min=16.6km az=73.0.
NEIC Event type se. Error ellipse: s-maj=37.7km s-min=9.7km az=76.0.
ISC IX 12 22 34 24.4–.39 24.82N–.03 98.01E–.04 10 3.5b 30 4-57
ISCJB IX 12 22 34 21.2–.41 24.71N–.03 98.08E–.04 10 3.5b ¶11910139
IDC IX 12 22 34 23.3–1.0 24.92N 97.85E 0 4.3L,3.7
BJI IX 12 22 34 24.7 24.94N 97.83E 18 3.9L,3.7
NEIC IX 12 22 34 27.1–3.5 24.89N 97.92E 27–28 3.8b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.7km az=168.0.
IDC Error ellipse: s-maj=41.0km s-min=15.5km az=71.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=7.2km az=60.0.
BJI IX 14 02 23 05.1 22.60N 99.79E 15 3.4L
¶12608773
IDC XI 07 08 11 59.4–1.7 22.39N 99.18E 0 3.5b,3.4L
¶12072645
IDC Error ellipse: s-maj=39.2km s-min=17.3km az=90.0.
ISC XI 07 18 22 20.2–.87 24.65N–.09 97.6E–.30 10 3.2b 10 5-31
ISCJB XI 07 18 22 17.5–.90 24.51N–.09 97.5E–.30 10 3.2b ¶12072728
IDC XI 07 18 22 20.0–1.4 24.80N 97.75E 0 3.4,3.3b
ISCJB Error ellipse: s-maj=39.1km s-min=6.1km az=163.9.
IDC Error ellipse: s-maj=51.8km s-min=18.1km az=80.0.
IDC XI 23 18 04 50.3–2.1 27.35N 98.53E 0 3.5,3.4b
¶12074605
IDC Error ellipse: s-maj=347.7km s-min=22.4km az=57.0.
ISC XII 05 11 05 47.2–.76 24.85N–.05 98.79E–.06 10 3.4b 17 4-56
ISCJB XII 05 11 05 44.5–.75 24.76N–.04 98.84E–.06 10 3.4b ¶12075881
IDC XII 05 11 05 46.0–1.4 25.12N 99.29E 0 3.7L,3.6
NEIC XII 05 11 05 51.4–.86 24.92N 98.68E 35 3.7L,3.6

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.4km az=7.7.
IDC Error ellipse: s-maj=73.5km s-min=22.2km az=74.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=13.8km az=64.0.
IDC XII 23 21 22 04.4–3.2 24.95N 97.71E 0 3.6,3.5b
¶12078728
IDC Error ellipse: s-maj=275.7km s-min=26.8km az=60.0.
ISC XII 25 20 20 47.2–.78 23.93N–.03 97.63E–.02 4–5 4.6b,4.3s 289 5-165
ISCJB XII 25 20 20 45.8–.18 23.90N–.03 97.66E–.02 10 4.6b,4.3s ¶13404006
BJI XII 25 20 20 45.7 23.91N 97.74E 10 5.1L,4.8s
IDC XII 25 20 20 46.5–.49 24.00N 97.67E 0 4.6L,4.5
GCMT XII 25 20 20 49.9–.40 23.97N 97.86E 17–1 4.8W,4.5
MOS XII 25 20 20 49.6–1.2 23.91N 97.55E 33 4.9b,4.5
NEIC XII 25 20 20 51.6–.27 23.97N 97.57E 35 4.7b,4.5
DJA XII 25 20 20 52 24.02N 97.69E 10 5.0b,4.5
ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=3.7km s-min=2.7km az=9.0.
IDC Error ellipse: s-maj=17.3km s-min=11.4km az=66.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s16,c20; s65,c96; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.39±.11 $M_{\theta\theta}$-0.27±.10; $M_{\phi\phi}$0.66±.10; $M_{r\theta}$0.59±.26; $M_{\theta\phi}$2.16±.09; $M_{\phi r}$0.48±.24; Best double couple: NP1:ϕ_s353.00000°,δ76.00000°,λ174.00000°. NP2:ϕ_s84.00000°,δ84.00000°,λ14.00000°. Principal axes: T 2.5900,Plg14.0000° ,Azm309.0000°; N -0.5600,Plg75.0000°,Azm106.0000°; P -2.0300,Plg6.0000° ,Azm218.0000° M_o2.30000×10^{16}
MOS Error ellipse: s-maj=11.6km s-min=5.2km az=120.8.
NEIC Event type de. Error ellipse: s-maj=8.0km s-min=5.0km az=222.0. Nineteen people injured, 30 houses collapsed and more than 5,400 buildings damaged in Ruili, China.
ISC XII 25 21 25 58.0–.44 24.04N–.04 97.80E–.04 10 3.3b 39 5-56
ISCJB XII 25 21 25 53.7–.50 23.94N–.05 97.87E–.04 10 3.3b ¶11527813
BJI XII 25 21 25 55.3 23.65N 97.43E 15 3.9L
IDC XII 25 21 25 57.3–1.5 24.00N 97.56E 0 4.0L,3.6
NEIC XII 25 21 26 02.2–.59 24.01N 97.60E 35 4.0L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.2km az=19.2.
IDC Error ellipse: s-maj=53.8km s-min=18.4km az=75.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=6.1km az=49.0.
ISC XII 26 07 27 45.2–.33 24.89N–.03 97.92E–.03 10 3.6b 58 4-70
ISCJB XII 26 07 27 43.0–.49 24.73N–.04 97.78E–.07 10 3.6b ¶11527818
IDC XII 26 07 27 44.6–1.1 24.92N 98.08E 0 4.2L,3.8
BJI XII 26 07 27 44.2 24.80N 98.11E 9 3.9L,3.8b
NEIC XII 26 07 27 46.0–.42 24.85N 97.79E 10 3.8b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=3.6km az=152.5.
IDC Error ellipse: s-maj=57.1km s-min=15.8km az=73.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.1km az=46.0.
ISC XII 27 00 08 37.0–.85 23.94N–.06 97.9E–.20 10 3.4b 22 4-59
ISCJB XII 27 00 08 34.4–.90 23.80N–.06 97.7E–.20 10 3.4b ¶12079112
IDC XII 27 00 08 35.4–1.4 24.01N 97.85E 0 4.0L,3.7
NEIC XII 27 00 08 40.4–.74 23.97N 97.84E 35 4.0L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.3km s-min=5.9km az=166.3.
IDC Error ellipse: s-maj=55.8km s-min=17.7km az=76.0.
NEIC Event type se. Error ellipse: s-maj=38.9km s-min=9.1km az=80.0.

(298) Near south coast of Myanmar.

ISC IX 07 12 54 31.7–1.4 15.8N–.10 94.78E–.06 43–11 3.9b,3.8s 42 5-132
ISCJB IX 07 12 54 29.9–1.6 15.9N–.10 94.79E–.06 44–13 3.9b,3.8s ¶13393687
NEIC IX 07 12 54 30.7–.49 15.76N 94.68E 35 4.5b,3.8s
IDC IX 07 12 54 32.1–5.7 15.86N 94.80E 45–51 4.2L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=7.7km az=20.7.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.2km az=188.0.
IDC Error ellipse: s-maj=42.0km s-min=15.5km az=52.0.
IDC IX 20 11 12 51.5–3.2 15.21N 95.95E 0 3.9L,3.6b
¶11910695
IDC Error ellipse: s-maj=38.3km s-min=26.3km az=177.0.
ISC IX 22 13 30 39.2–.12 15.65N–.02 96.09E–.02 39 5.3b,4.9s 749 4-165
SZGRF IX 22 13 30 31.3 14.78N 95.99E 33 5.5b,4.9s ¶13394964
BJI IX 22 13 30 36.8 15.46N 96.14E 50 5.5s,5.4b
MOS IX 22 13 30 36.6–.83 15.64N 96.10E 33 5.6b,4.9s
DJA IX 22 13 30 36 15.79N 96.15E 9 5.1b,4.9s
IDC IX 22 13 30 36.9–3.1 15.54N 96.10E 26–20 5.6L,4.9b
GCMT IX 22 13 30 37.5–.20 15.46N 96.15E 12 5.2W,4.9b
ISCJB IX 22 13 30 37.2–.12 15.63N–.02 96.08E–.02 37 5.3b,4.9s
NEIC IX 22 13 30 38.2–.12 15.58N 96.08E 35 5.4b,4.9s
TEH IX 22 13 30 38.0 15.57N 96.08E 29 5.4b,4.9s
ISC Event type fe.
SZGRF Andaman Islands, India, region.
MOS Error ellipse: s-maj=6.8km s-min=3.5km az=120.1.
IDC Error ellipse: s-maj=12.2km s-min=8.7km az=60.0.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s49,c75; s90,c173; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.84±.16 $M_{\theta\theta}$4.90±.14; $M_{\phi\phi}$0.94±.16; $M_{r\theta}$2.74±.41; $M_{\theta\phi}$6.15±.12; $M_{\phi r}$0.60±.42; Best double couple: NP1:ϕ_s33.00000°,δ39.00000°,λ-121.00000°. NP2:ϕ_s251.00000°,δ57.00000°,λ-67.00000°. Principal axes: T 9.8000,Plg9.0000° ,Azm325.0000°; N -3.1400,Plg19.0000°,Azm58.0000°; P -6.6600,Plg68.0000° ,Azm210.0000° M_o8.20000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=41.1.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.8km az=217.0. Felt in tall buildings at Bangkok, Thailand.
ISC IX 22 18 13 04.1–3.9 15.7N–.10 96.0E–.20 8–22 3.8b,3.8s 11 4-81
ISCJB IX 22 18 13 01.8–3.4 15.8N–.10 96.0E–.20 2–20 3.8b,3.8s ¶11910846
IDC IX 22 18 13 02.0–1.4 15.41N 95.93E 0 4.0L,3.9
NEIC IX 22 18 13 08.0–1.0 15.68N 96.18E 35 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.2km s-min=16.7km az=154.1.
IDC Error ellipse: s-maj=24.4km s-min=21.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=15.8km az=192.0.
ISC X 12 14 21 15.2–1.4 15.0N–.10 96.71E–.10 10 3.4b 10 3-53
IDC X 12 14 21 11.5–3.9 15.05N 96.23E 0 4.0L,3.5 ¶12068469
IDC Error ellipse: s-maj=78.3km s-min=24.0km az=109.0.
ISC X 16 17 53 53.1–.88 15.75N–.09 96.1E–.10 35 3.7b 18 3-64
IDC X 16 17 53 48.1–1.1 15.75N 96.08E 0 3.9,3.8b ¶12068812
ISCJB X 16 17 53 50.7–.88 15.73N–.09 96.1E–.10 33 3.7b,3.8b
NEIC X 16 17 53 53.4–.71 15.80N 96.15E 35 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=18.4km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=10.9km az=34.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.0km az=77.0.
ISC X 30 08 32 35.2–1.4 16.0N–.10 94.65E–.07 35 3.5b 12 5-53
ISCJB X 30 08 32 32.9–1.4 16.0N–.10 94.67E–.07 33 3.5b ¶12071605
IDC X 30 08 32 34.9–2.2 15.69N 95.15E 0 3.7L,3.7
ISCJB Error ellipse: s-maj=19.2km s-min=8.9km az=7.7.
IDC Error ellipse: s-maj=44.3km s-min=30.8km az=67.0.
ISC X 30 12 22 35.5–.86 16.01N–.10 94.59E–.06 35 3.7b 46 5-72
IDC X 30 12 22 30.8–1.1 15.93N 94.64E 0 4.0,4.0L ¶12071622
ISCJB X 30 12 22 33.1–.86 15.98N–.10 94.57E–.06 33 3.7b,4.0L
NEIC X 30 12 22 35.9–2.4 16.13N 94.63E 28–19 4.9b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=34.7km s-min=18.2km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=7.2km az=18.5.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.2km az=216.0.
ISC XII 09 06 04 09.6–1.3 15.6N–.10 96.0E–.10 10 3.8b 9 4-39
IDC XII 09 06 04 05.3–2.6 15.20N 96.05E 0 4.6L,4.0 ¶12076479
ISCJB XII 09 06 04 07.3–1.3 15.5N–.10 96.1E–.10 10 3.8b,4.0
ISC XII 09 08 32 00.4–3.3 15.6N–.10 96.2E–.10 18–18 3.9b 12 3-54
IDC XII 09 08 31 57.1–1.1 15.41N 96.09E 0 4.3L,4.0b ¶12076496
ISCJB XII 09 08 31 59.9–1.0 15.5N–.10 96.2E–.10 33 3.9b,4.0b

(733) Thailand.

ISC VII 01 09 45 52.5–.74 19.32N–.06 99.4E–.10 10 3.7b 13 1-72
ISCJB VII 01 09 45 50.5–.74 19.34N–.07 99.5E–.10 10 3.7b ¶11799160

IDC VII 01 09 45 51.2–1.0 19.36N 99.49E 0 3.9,3.8
NEIC VII 01 09 45 52.5–.57 19.29N 99.35E 10 3.7b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=6.7km az=22.2.
IDC Error ellipse: s-maj=27.1km s-min=10.5km az=110.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=6.6km az=107.0.
IDC XII 29 06 13 28.9–1.4 19.72N 99.44E 0 4.0s,4.0
¶12079365
IDC Error ellipse: s-maj=22.0km s-min=13.5km az=99.0.

(734) Laos.

ISC XI 29 08 06 25.6–.32 20.55N–.04 100.90E–.04 10 4.0b 60 2-73
ISCJB XI 29 08 06 24.0–.32 20.61N–.04 100.85E–.04 10 4.0b **¶13401459**
IDC XI 29 08 06 24.4–.67 20.60N 100.83E 0 4.1,4.0b
PLV XI 29 08 06 24.3–5.0 20.39N 100.66E 18–73 3.8L,4.0b
NEIC XI 29 08 06 29.6–.31 20.54N 100.74E 35 4.3b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.5km az=138.9.
IDC Error ellipse: s-maj=17.6km s-min=12.6km az=95.0.
PLV Error ellipse: s-maj=47.6km s-min=244.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.8km az=90.0.

(736) Vietnam.

ISC X 19 20 58 09.0–.97 21.90N–.04 103.02E–.05 7–13 13 0-4
ISCJB X 19 20 58 08.6–.93 21.88N–.04 103.02E–.04 5–15 **¶13938416**
PLV X 19 20 58 09.2–.96 21.89N 103.04E 7–6 3.1
ISCJB Error ellipse: s-maj=7.6km s-min=5.9km az=139.2.
PLV Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.

SEISMIC REGION 26.
India-Xizang-Szechwan-Yunnan.

(302) Eastern Kashmir.

ISC VII 05 10 28 27.6–.49 33.42N–.03 75.94E–.08 51–7 3.9b 56 1-79
BJI VII 05 10 28 15.7 32.71N 76.11E 56 3.6b,3.5L **¶11479858**
IDC VII 05 10 28 20.8–.84 33.34N 75.84E 0 3.9,3.8b
NDI VII 05 10 28 23.8–5.0 33.64N 75.43E 57–0 3.6L,3.5b
ISCJB VII 05 10 28 26.4–.55 33.43N–.04 75.94E–.08 58–7 3.9b,3.5b
NEIC VII 05 10 28 28.4–2.4 33.47N 75.94E 57–20 3.5b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=15.6km az=52.0.
NDI Error ellipse: s-maj=20.0km s-min=30.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.7km az=159.4.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=11.3km az=212.0.
ISC VIII 04 17 42 07.6–.42 35.30N–.02 76.10E–.04 37–6 4.2b,3.2s 125 3-86
IDC VIII 04 17 42 02.0–.87 35.20N 75.86E 0 4.3L,4.2 **¶11377481**
BJI VIII 04 17 42 04.2 35.29N 75.87E 26 4.4b,4.2L
ISCJB VIII 04 17 42 05.5–.56 35.32N–.02 76.22E–.04 39–7 4.2b,3.2s
MOS VIII 04 17 42 05.2–1.0 35.29N 75.87E 33 4.3b,3.2s
NEIC VIII 04 17 42 08.0–1.0 35.26N 75.89E 44–9 4.1b,3.2s
NNC VIII 04 17 42 16.1–6.7 35.85N 75.59E 67–60 4.4,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=15.0km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.5km az=153.5.
MOS Error ellipse: s-maj=12.5km s-min=6.8km az=99.1.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.5km az=200.0.
NNC Error ellipse: s-maj=54.1km s-min=32.2km az=9.0.
ISC IX 08 21 07 18.2–2.0 36.0N–.10 76.9E–.20 62–12 3.8b 26 4-49
IDC IX 08 21 07 10.1–11 35.82N 77.03E 0 3.7b,3.7 **¶11493347**
NEIC IX 08 21 07 17.8–2.3 36.00N 76.94E 55–10 3.4b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=196.5km s-min=58.8km az=151.0.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=10.3km az=133.0.
ISC IX 15 16 00 19.6–1.9 35.75N–.10 77.9E–.20 35 7 4-12
ISCJB IX 15 16 00 17.5–1.9 35.75N–.09 77.9E–.20 33 **¶11783654**
BJI IX 15 16 00 18.3 35.80N 78.28E 13 3.3L
ISCJB Error ellipse: s-maj=22.2km s-min=8.9km az=29.6.
ISC X 08 15 25 47.8–2.9 35.25N–.05 77.0E–.10 2–22 3.7b 51 4-71
ISCJB X 08 15 25 46.5–2.4 35.28N–.05 77.2E–.10 1–19 3.8b **¶11477934**
IDC X 08 15 25 47.4–1.2 35.27N 76.79E 0 3.8b,3.8
NEIC X 08 15 25 58.9–2.3 35.37N 76.96E 98–19 3.8b,3.8
NNC X 08 15 26 44.4–3.7 39.16N 79.51E 0 3.7b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=6.2km az=157.9.
IDC Error ellipse: s-maj=25.5km s-min=21.9km az=51.0.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=18.2km az=214.0.
NNC Error ellipse: s-maj=42.4km s-min=17.5km az=163.0.
IDC X 11 12 37 11.4–1.5 35.13N 78.21E 0 3.9,3.8b
¶12066587
IDC Error ellipse: s-maj=69.8km s-min=18.9km az=58.0.
ISC X 15 09 25 16.3–.36 35.36N–.03 77.02E–.07 10 3.6b,3.0s 61 4-77
ISCJB X 15 09 25 14.6–.37 35.40N–.03 77.17E–.07 10 3.6b,3.0s **¶12068668**
IDC X 15 09 25 15.8–.89 35.39N 77.04E 0 3.9,3.8
NEIC X 15 09 25 16.8–.48 35.39N 77.15E 10 3.5b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=3.7km az=166.8.
IDC Error ellipse: s-maj=24.0km s-min=17.7km az=42.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.2km az=54.0.
IDC X 28 17 17 26.3–4.6 35.47N 76.65E 0 3.4b,3.4
¶12071355
IDC Error ellipse: s-maj=92.7km s-min=25.5km az=76.0.
ISC XI 05 02 32 50.3–.44 35.23N–.02 78.02E–.08 10 3.7b 59 4-77
ISCJB XI 05 02 32 47.3–.49 35.22N–.02 78.02E–.09 10 3.7b **¶12072326**
IDC XI 05 02 32 48.1–1.1 35.24N 77.78E 0 3.8,3.7b
MOS XI 05 02 32 51.9–1.7 35.31N 77.95E 30 4.2b,3.7b
NNC XI 05 02 32 53.1–3.2 35.74N 77.99E 0 3.9,3.8b
NEIC XI 05 02 32 54.8–2.6 35.29N 77.96E 39–23 3.6b,3.8b
NDI XI 05 02 33 04.2–2.8 34.72N 80.40E 33–0 3.6b,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=3.6km az=179.4.
IDC Error ellipse: s-maj=30.5km s-min=18.9km az=60.0.
MOS Error ellipse: s-maj=25.0km s-min=8.8km az=100.9.
NNC Error ellipse: s-maj=26.5km s-min=15.2km az=169.0.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=15.6km az=210.0.
NDI Error ellipse: s-maj=32.4km s-min=55.6km az=-1.0.

(303) Kashmir-India border region.

ISC IX 14 22 11 28.9–.70 32.56N–.02 76.34E–.04 13–5 3.7b 68 0-78
IDC IX 14 22 11 26.2–.83 32.45N 76.25E 0 3.8,3.7b **¶11783615**
ISCJB IX 14 22 11 28.7–.77 32.65N–.03 76.30E–.05 22–6 3.7b,3.7b
NDI IX 14 22 11 30.0–3.2 32.51N 76.26E 9–17 3.9b,3.8L
NEIC IX 14 22 11 30.1–3.0 32.58N 76.38E 24–22 3.9b,3.8L
NNC IX 14 22 11 40.1–2.7 33.61N 75.99E 0 3.6b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=16.8km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.9km az=151.6.
NDI Error ellipse: s-maj=13.3km s-min=12.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.4km az=206.0.
NNC Error ellipse: s-maj=28.5km s-min=23.3km az=129.0.

(304) Kashmir-Xizang border region.

ISC VII 13 00 32 32.8–1.2 35.64N–.09 80.6E–.10 10 3.4b 17 5-43
IDC VII 13 00 32 33.1–2.0 35.70N 80.89E 0 3.6b,3.6 **¶11811416**
NEIC VII 13 00 32 35.0–1.4 35.78N 81.02E 10 3.6b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=44.8km s-min=23.4km az=63.0.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=15.4km az=54.0.
BJI VIII 21 19 43 26.9 35.85N 80.99E 23 3.6L
¶11477698
IDC IX 05 15 32 14.7–4.1 35.50N 80.99E 0 3.6,3.5L
BJI IX 05 15 32 06.2 34.68N 81.94E 20 3.7L,3.5L **¶11909535**
IDC Error ellipse: s-maj=68.5km s-min=44.8km az=53.0.
IDC XI 26 16 00 58.6–2.5 35.41N 80.91E 0 3.3,3.3b
¶12074913
IDC Error ellipse: s-maj=61.5km s-min=30.1km az=134.0.
IDC XII 07 10 26 29.8–1.4 35.13N 80.88E 0 3.7b,3.6
¶12076158
IDC Error ellipse: s-maj=30.6km s-min=24.4km az=72.0.
NNC XII 14 19 42 42.9–10 35.49N 80.84E 0 3.8b,3.5
¶12077489
NNC Error ellipse: s-maj=90.0km s-min=80.3km az=126.0.

(305) Western Xizang-India border region.

ISC VIII 19 10 54 27.2–.65 30.04N–.02 80.07E–.02 19–4 3.9b 102 0-79
IDC VIII 19 10 54 24.2–.92 30.04N 79.99E 0 4.2L,4.0 **¶11377650**
BJI VIII 19 10 54 24.1 30.00N 79.82E 20 4.1b,3.8b
NDI VIII 19 10 54 26.7–2.8 30.02N 80.06E 8–11 4.3L,4.2b
NEIC VIII 19 10 54 26.7–4.5 30.08N 80.01E 16–27 4.2b,4.2b
ISCJB VIII 19 10 54 26.5–.52 30.04N–.02 80.09E–.02 32–4 3.9b,4.2b
DMN VIII 19 10 54 29.3–.33 30.11N 80.07E 10–0 4.8L,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=16.1km az=48.0.
NDI Error ellipse: s-maj=9.0km s-min=16.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=10.3km az=200.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=24.4.
DMN Event type ke. Error ellipse: s-maj=22.0km s-min=5.9km az=26.0.
ISC IX 04 12 53 11.3–.69 30.24N–.02 80.38E–.02 9–4 5.0b,4.4s 615 1-154
IDC IX 04 12 53 08.8–.42 30.24N 80.34E 0 4.9,4.9 **¶13393413**
BJI IX 04 12 53 08.8 30.38N 80.40E 10 4.9b,4.8s
LDG IX 04 12 53 08.5–.13 30.37N 80.44E 10–0 5.2b,4.0s
ISCJB IX 04 12 53 09.8–.74 30.25N–.02 80.38E–.02 11–4 5.0b,4.4s
NEIC IX 04 12 53 11.3–.16 30.28N 80.35E 10 5.1b,4.2s
NDI IX 04 12 53 11.2–3.8 30.22N 80.37E 10–0 5.2L,5.1b
DMN IX 04 12 53 12.5–.96 30.34N 80.21E 10–0 5.8L,5.1b
MOS IX 04 12 53 12.7–1.1 30.17N 80.37E 33 5.2b,4.3s
GCMT IX 04 12 53 14.5–.30 30.08N 80.24E 23–1 5.0W,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=13.1km s-min=10.9km az=25.0.
LDG Event type ke. Error ellipse: s-maj=13.6km s-min=3.7km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.3km az=23.8.
NEIC Event type fe. Error ellipse: s-maj=4.9km s-min=3.2km az=24.0. Felt at Bageshwar, Chamoli, Champawat, Dehra Dun, Pithoragarh and Uttarkashi, India.
NDI Error ellipse: s-maj=8.1km s-min=9.7km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=28.4km s-min=18.9km az=9.0.
MOS Error ellipse: s-maj=7.2km s-min=3.5km az=130.4.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s18,c25; s57,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.23±.21 $M_{\theta\theta}$-2.28±.14; $M_{\phi\phi}$3.52±.17; $M_{r\theta}$1.62±.27; $M_{\theta\phi}$1.52±.11; $M_{\phi r}$0.56±.22; Best double couple: NP1:ϕ_s333.00000°,δ59.00000°,λ-163.00000°. NP2:ϕ_s234.00000°,δ75.00000°,λ-32.00000°. Principal axes: T 4.0700,Plg11.0000° ,Azm286.0000°; N -0.4800,Plg55.0000°,Azm32.0000°; P -3.5800,Plg33.0000° ,Azm189.0000° M_o3.80000×10^{16}
ISC IX 04 17 38 12.7–1.2 30.23N–.04 80.45E–.06 3–8 3.2b 30 1-74
IDC IX 04 17 38 08.3–3.4 29.90N 79.27E 0 3.7L,3.5 **¶11909474**
ISCJB IX 04 17 38 13.2–1.2 30.23N–.04 80.43E–.06 16–10 3.2b,3.5
NDI IX 04 17 38 15.0–5.0 30.28N 80.34E 10–0 3.3L,3.5
IDC Error ellipse: s-maj=119.6km s-min=23.3km az=70.0.
ISCJB Error ellipse: s-maj=8.3km s-min=7.3km az=168.0.
NDI Error ellipse: s-maj=15.8km s-min=32.1km az=-1.0.
ISC XII 31 15 46 22.5–.52 31.96N–.05 79.89E–.04 42–8 3.7b 70 2-85
IDC XII 31 15 46 15.9–.92 31.83N 79.78E 0 3.9,3.8b **¶12079670**
ISCJB XII 31 15 46 20.3–.65 31.99N–.05 79.94E–.04 37–9 3.7b,3.8b
NEIC XII 31 15 46 22.5–.97 31.96N 79.91E 42–9 3.6b,3.8b
NDI XII 31 15 46 23.6–2.8 31.93N 79.76E 33–0 3.7L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=16.6km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.3km az=24.1.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=6.1km az=64.0.
NDI Error ellipse: s-maj=17.4km s-min=46.2km az=-1.0.
ISC XII 31 16 12 18.9–1.3 31.99N–.05 79.93E–.07 23–11 3.4b 28 2-73
IDC XII 31 16 12 13.9–1.4 31.77N 79.72E 0 3.9s,3.9 **¶12079673**
ISCJB XII 31 16 12 18.5–.61 31.99N–.05 79.94E–.07 33 3.4b,3.9
NEIC XII 31 16 12 18.9–1.2 31.84N 79.75E 35 3.2b,3.9
NDI XII 31 16 12 31.5–4.0 31.44N 79.05E 33–0 3.2b,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=26.5km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.9km az=41.3.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=16.3km az=71.0.
NDI Error ellipse: s-maj=33.9km s-min=63.5km az=-1.0.

(306) Xizang.

ISC VII 02 20 22 56.9–.14 35.69N–.02 88.36E–.02 10 4.8s,4.7b 334 6-151
ISCJB VII 02 20 22 54.8–.15 35.67N–.02 88.32E–.02 10 4.8s,4.7b **¶13379207**
BJI VII 02 20 22 54.8 35.78N 88.36E 10 5.2s,5.1L
IDC VII 02 20 22 54.7–.50 35.75N 88.37E 0 4.6s,4.6
SZGRF VII 02 20 22 55.6 34.50N 88.45E 33 4.8b,4.6
LDG VII 02 20 22 55.3–.19 35.83N 88.21E 10–0 5.0b,4.6s
NEIC VII 02 20 22 56.7–.23 35.78N 88.36E 10 4.8b,4.6s
MOS VII 02 20 22 58.3–1.1 35.73N 88.33E 33 4.9b,4.7s
GCMT VII 02 20 22 59.9–.10 35.72N 88.36E 18–0 5.2W,4.7s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=34.2.
IDC Error ellipse: s-maj=16.0km s-min=9.3km az=64.0.
SZGRF Xizang.
LDG Event type ke. Error ellipse: s-maj=8.6km s-min=5.0km az=116.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.4km az=225.0.
MOS Error ellipse: s-maj=8.4km s-min=4.3km az=124.5.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s47,c69; s93,c183; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.74±.18 $M_{\theta\theta}$-4.36±.14; $M_{\phi\phi}$6.10±.16; $M_{r\theta}$1.06±.35; $M_{\theta\phi}$6.49±.14; $M_{\phi r}$-0.58±.36; Best double couple: NP1:ϕ_s250.00000°,δ82.00000°,λ-8.00000°. NP2:ϕ_s341.00000°,δ82.00000°,λ-172.00000°. Principal axes: T 9.2100,Plg0.0000° ,Azm116.0000°; N -1.5000,Plg79.0000°,Azm24.0000°; P -7.7100,Plg11.0000° ,Azm206.0000° M_o8.50000×10^{16}
ISC VII 06 17 23 47.0–3.0 32.27N–.09 85.2E–.10 0–20 3.6b,3.3s 15 6-78
IDC VII 06 17 23 47.6–1.0 32.32N 85.49E 0 3.9,3.8s **¶11810812**
NEIC VII 06 17 23 48.4–.75 32.30N 85.21E 10 3.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=19.8km az=57.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=12.3km az=54.0.
BJI VII 06 20 52 41.3 34.55N 80.88E 15 3.5L
¶11479881
ISC VII 07 22 09 59.2–1.2 34.43N–.07 80.54E–.08 41–11 3.7b,3.5s 30 5-147
ISCJB VII 07 22 09 51.8–4.1 34.32N–.10 80.48E–.08 15–29 3.7b,3.5s **¶13388444**
IDC VII 07 22 09 52.7–1.1 34.22N 80.53E 0 3.9,3.8b
NEIC VII 07 22 09 54.6–.38 34.29N 80.53E 10 3.5b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=10.5km az=173.0.
IDC Error ellipse: s-maj=50.0km s-min=19.5km az=58.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.6km az=75.0.
ISC VII 08 02 11 34.3–3.5 34.35N–.06 80.47E–.08 7–23 3.6b 27 5-83
BJI VII 08 02 11 33.9 34.27N 80.79E 19 3.5L **¶13388460**
IDC VII 08 02 11 33.1–.93 34.28N 80.42E 0 3.9,3.8b
ISCJB VII 08 02 11 34.5–3.5 34.42N–.07 80.47E–.10 20–25 3.6b,3.8b
NEIC VII 08 02 11 34.6–.72 34.32N 80.48E 10 3.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=16.8km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=11.6km az=13.9.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.3km az=70.0.
DMN VII 09 03 57 50.9–.90 28.59N 87.00E 10–0 4.5L
¶11227027
DMN Event type ke. Error ellipse: s-maj=21.0km s-min=9.1km az=20.0.
ISC VII 13 04 14 00.2–.66 30.69N–.07 83.83E–.08 10 3.4s,3.3b 16 3-70
IDC VII 13 04 13 57.0–2.2 30.59N 83.54E 0 3.5,3.4b **¶11811436**

ISCJB VII 13 04 13 58.9–.65 30.75N–.07 83.89E–.08 10 3.4s,3.3b
NEIC VII 13 04 13 59.5–1.2 30.60N 83.68E 10 3.8b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=68.8km s-min=24.5km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=9.3km az=12.2.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=10.1km az=47.0.
ISC VII 16 10 13 48.3–.27 33.76N–.03 89.23E–.04 10 4.2b,3.9s 68 4-150
IDC VII 16 10 13 45.2–.61 33.56N 89.38E 0 4.3,4.3 ¶11480013
ISCJB VII 16 10 13 46.2–.26 33.73N–.03 89.22E–.04 10 4.2b,3.9s
BJI VII 16 10 13 47.2 33.77N 89.34E 10 4.7L,4.5b
NEIC VII 16 10 13 47.6–.39 33.70N 89.21E 10 4.2b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=13.9km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.8km az=38.4.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=6.8km az=54.0.
ISC VII 16 10 19 28.7–.84 32.97N–.05 86.8E–.10 37–14 3.7b 26 5-75
IDC VII 16 10 19 22.2–1.4 32.76N 86.76E 0 3.9L,3.8 ¶11227086
ISCJB VII 16 10 19 25.8–3.2 32.98N–.06 86.83E–.10 29–28 3.7b,3.8
NEIC VII 16 10 19 25.1–.80 32.93N 86.79E 10 3.9b,3.8
DMN VII 16 10 19 33.2–7.5 32.26N 86.94E 10–0 5.4b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=21.0km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=8.8km az=162.6.
NEIC Event type ke. Error ellipse: s-maj=17.0km s-min=10.9km az=219.0.
DMN Event type ke. Error ellipse: s-maj=177.3km s-min=14.9km az=8.0.
ISC VII 22 21 18 44.8–2.0 30.61N–.07 94.83E–.06 15–12 4.0b 36 3-97
ISCJB VII 22 21 18 41.8–1.9 30.62N–.07 94.85E–.07 7–12 4.0b ¶11812398
IDC VII 22 21 18 43.1–2.1 30.67N 94.91E 0 3.8L,3.8b
NEIC VII 22 21 18 44.0–.42 30.60N 94.82E 10 3.9b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=9.0km az=155.4.
IDC Error ellipse: s-maj=46.6km s-min=33.6km az=65.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=7.6km az=33.0.
ISC VII 24 16 11 37.2–.94 33.73N–.06 88.6E–.10 55–13 3.7b 25 5-82
IDC VII 24 16 11 29.8–.99 33.53N 88.37E 0 3.8b,3.8 ¶11812530
ISCJB VII 24 16 11 35.4–1.3 33.70N–.06 88.6E–.10 54–17 3.7b,3.8
NEIC VII 24 16 11 37.6–.96 33.70N 88.48E 58–14 3.6b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=19.3km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=10.7km az=175.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.4km az=81.0.
ISC VII 28 20 34 25.5–.21 32.30N–.04 85.21E–.04 10 4.6b,3.7s 287 5-151
ISCJB VII 28 20 34 23.3–.23 32.24N–.05 85.17E–.04 10 4.6b,3.7s ¶13390330
IDC VII 28 20 34 23.6–.64 32.23N 85.10E 0 4.3,4.2
LDG VII 28 20 34 24.4–.09 32.46N 84.86E 10–0 4.8b,3.5s
NEIC VII 28 20 34 26.5–2.4 32.29N 85.17E 17–14 4.7b,3.5s
BJI VII 28 20 34 26.0 32.24N 85.06E 25 4.9b,4.2b
MOS VII 28 20 34 27.1–.95 32.31N 85.18E 33 4.8b,3.7s
SZGRF VII 28 20 34 40.6 33.81N 84.06E 33 4.8b,3.8s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.8km az=29.3.
IDC Error ellipse: s-maj=18.7km s-min=14.1km az=38.0.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=94.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.9km az=207.0.
MOS Error ellipse: s-maj=10.2km s-min=4.1km az=126.6.
SZGRF Xizang.
ISC VII 31 22 20 16.5–.46 28.54N–.06 86.35E–.05 10 3.8b 34 4-78
ISCJB VII 31 22 20 14.8–.47 28.52N–.07 86.35E–.06 10 3.8b ¶11813036
IDC VII 31 22 20 14.3–2.6 28.47N 86.43E 0 3.9,3.8L
NEIC VII 31 22 20 16.6–.42 28.52N 86.30E 10 3.8b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.8km az=29.5.
IDC Error ellipse: s-maj=58.4km s-min=33.6km az=38.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.0km az=223.0.
ISC VIII 01 08 50 11.5–.74 28.36N–.09 87.74E–.05 78–14 3.6b 28 1-68
IDC VIII 01 08 50 02.5–2.6 28.25N 87.95E 0 4.1L,3.9 ¶11377417
ISCJB VIII 01 08 50 10.7–.72 28.33N–.09 87.73E–.04 88–13 3.6b,3.9
DMN VIII 01 08 50 10.4–.00 28.39N 87.81E 60–0 3.6b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=85.1km s-min=25.3km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=5.8km az=11.7.
DMN Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VIII 06 20 01 21.4–.94 34.73N–.10 83.0E–.20 10 4.0b,2.7s 25 7-83
ISCJB VIII 06 20 01 19.5–.94 34.80N–.10 83.1E–.20 10 4.0b,2.7s ¶13391021
IDC VIII 06 20 01 19.1–1.0 34.69N 83.01E 0 3.9,3.8
NEIC VIII 06 20 01 21.0–1.0 34.63N 82.78E 10 3.9b,3.8
BJI VIII 06 20 01 32.7 35.74N 81.94E 13 4.0L,3.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=14.1km az=174.1.
IDC Error ellipse: s-maj=37.4km s-min=19.3km az=66.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=16.0km az=82.0.
ISC VIII 08 21 48 58.7–.15 31.94N–.02 84.00E–.02 10 4.5b,4.1s 289 4-150
BJI VIII 08 21 48 55.4 31.73N 83.83E 11 4.7b,4.7b ¶13391191
LDG VIII 08 21 48 56.1–.14 31.89N 83.75E 10–0 4.8b,3.9s
IDC VIII 08 21 48 56.4–.47 31.83N 84.00E 0 4.4,4.4
ISCJB VIII 08 21 48 56.8–.15 31.93N–.02 83.96E–.02 10 4.5b,4.1s
NEIC VIII 08 21 48 57.7–.21 31.81N 83.93E 10 4.7b,4.2s
DMN VIII 08 21 48 58.1–.67 32.22N 83.89E 10–0 5.0L,4.2s
TEH VIII 08 21 48 58.0 31.83N 83.93E 10 5.0L,4.2s
MOS VIII 08 21 48 59.4–1.1 31.82N 83.93E 33 4.8b,4.2s
GCMT VIII 08 21 49 02.0–.40 31.70N 83.92E 21–1 4.8W,4.2s
NDI VIII 08 21 49 05.1–2.9 31.67N 83.64E 10–0 4.7b,4.4L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=7.9km s-min=3.4km az=85.0.
IDC Error ellipse: s-maj=14.4km s-min=11.8km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=39.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=217.0.
DMN Event type ke. Error ellipse: s-maj=17.1km s-min=10.2km az=22.0.
MOS Error ellipse: s-maj=9.0km s-min=4.9km az=122.3.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s16,c17; s58,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.93±.14 $M_{\theta\theta}$-1.32±.09; $M_{\phi\phi}$2.25±.11; $M_{r\theta}$0.48±.18; $M_{\theta\phi}$1.21±.09; $M_{\theta r}$0.09±.17; Best double couple: NP1:ϕ_s334.00000°,δ70.00000°,λ-165.00000°. NP2:ϕ_s239.00000°,δ75.00000°,λ-21.00000°. Principal axes: T 2.6400,Plg4.0000° ,Azm287.0000°; N -0.7500,Plg65.0000°,Azm25.0000°; P -1.8900,Plg25.0000° ,Azm196.0000° $M_0$2.30000×10^{16}
NDI Error ellipse: s-maj=15.2km s-min=23.0km az=-1.0.
ISC VIII 10 22 53 55.8–1.3 32.32N–.03 91.96E–.03 7–8 4.4b,4.0s 138 3-153
ISCJB VIII 10 22 53 53.3–1.2 32.30N–.02 91.96E–.03 4–8 4.4b,4.0s ¶13391376
IDC VIII 10 22 53 54.2–.64 32.28N 91.95E 0 4.4,4.3b
BJI VIII 10 22 53 54.8 32.22N 91.98E 12 4.8b,4.7s
NEIC VIII 10 22 53 55.6–.19 32.26N 91.93E 10 4.6b,4.7s
MOS VIII 10 22 53 57.2–.91 32.22N 91.92E 33 4.7b,4.7s
GCMT VIII 10 22 53 58.9–.30 32.16N 92.02E 19–1 4.9W,4.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.1km az=174.5.
IDC Error ellipse: s-maj=20.2km s-min=14.6km az=44.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.6km az=220.0.
MOS Error ellipse: s-maj=10.7km s-min=6.5km az=108.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s13,c15; s63,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.65±.14 $M_{\theta\theta}$-1.64±.09; $M_{\phi\phi}$2.29±.11; $M_{r\theta}$-0.42±.22; $M_{\theta\phi}$1.16±.08; $M_{\theta r}$0.53±.20; Best double couple: NP1:ϕ_s59.00000°,δ71.00000°,λ-10.00000°. NP2:ϕ_s152.00000°,δ81.00000°,λ-160.00000°. Principal axes: T 2.6600,Plg7.0000° ,Azm284.0000°; N -0.5000,Plg68.0000°,Azm176.0000°; P -2.1600,Plg20.0000° ,Azm17.0000° $M_0$2.40000×10^{16}
ISC VIII 12 15 04 49.8–.37 32.25N–.04 94.57E–.05 10 4.0b,3.3s 50 4-85
IDC VIII 12 15 04 47.0–.76 32.21N 94.66E 0 3.9b,3.9 ¶13391522
ISCJB VIII 12 15 04 47.7–.36 32.23N–.04 94.61E–.05 10 4.0b,3.3s
BJI VIII 12 15 04 48.7 32.10N 94.53E 11 4.3b,4.3b
NEIC VIII 12 15 04 50.4–3.0 32.19N 94.76E 24–23 4.1b,4.3b
MOS VIII 12 15 04 50.1–1.5 32.15N 94.68E 33 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=15.1km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.5km az=158.8.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.0km az=58.0.
MOS Error ellipse: s-maj=23.1km s-min=13.8km az=94.5.
ISC VIII 15 01 26 29.3–5.2 32.34N–.05 91.87E–.09 3–36 3.6b 24 3-73
BJI VIII 15 01 26 27.2 32.34N 91.78E 10 4.4b,3.7b ¶11652936
IDC VIII 15 01 26 28.9–1.3 32.38N 91.99E 0 4.1L,3.8
NEIC VIII 15 01 26 30.6–.51 32.43N 92.02E 10 3.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=18.4km az=63.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=7.8km az=60.0.
ISC VIII 18 10 35 38.7–1.0 29.73N–.06 90.61E–.06 19–8 3.7b 21 0-67
IDC VIII 18 10 35 35.6–1.8 29.69N 90.50E 0 3.8,3.7L ¶12581170
ISCJB VIII 18 10 35 37.8–.88 29.71N–.06 90.60E–.05 28–9 3.7b,3.7L
DMN VIII 18 10 36 22.6–.37 27.68N 87.42E 60–0 3.7b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=66.2km s-min=20.9km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=7.7km az=0.4.
DMN Event type ke. Error ellipse: s-maj=13.4km s-min=3.9km az=36.0.
ISC VIII 20 09 00 44.7–.51 31.56N–.08 86.51E–.08 10 3.7b,3.5s 24 4-84
ISCJB VIII 20 09 00 42.8–.51 31.48N–.08 86.43E–.10 10 3.7b,3.5s ¶11908482
IDC VIII 20 09 00 42.8–.92 31.52N 86.57E 0 4.2L,4.0
NEIC VIII 20 09 00 44.5–.61 31.53N 86.47E 10 3.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=6.4km az=44.7.
IDC Error ellipse: s-maj=30.2km s-min=19.2km az=53.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.4km az=218.0.
ISC VIII 25 13 22 01.5–.44 31.06N–.02 83.65E–.01 26–3 6.6s,6.0b 1469 3-158
BGS VIII 25 13 21 44.9–1.5 28.14N 83.43E 12–0 6.8s,5.9b ¶11207986
DMN VIII 25 13 21 50.1–.64 31.97N 83.33E 10–0 6.7L,5.9b
LDG VIII 25 13 21 55.9–.14 31.09N 83.46E 10–0 6.3s,6.1b
BJI VIII 25 13 21 56.7 30.92N 83.57E 13 6.9s,6.8
IDC VIII 25 13 21 56.8–.32 30.87N 83.58E 0 6.5,6.5s
NEIC VIII 25 13 21 58.8–.16 30.90N 83.52E 12 6.7W,6.6W
ISCJB VIII 25 13 21 59.6–.46 31.07N–.02 83.63E–.01 25–3 6.6s,6.0b
MOS VIII 25 13 21 59.9–1.1 30.91N 83.54E 33 6.5s,6.2b
SZGRF VIII 25 13 22 00.4 30.92N 83.93E 33 6.6s,6.2b
DJA VIII 25 13 22 01 30.81N 83.59E 8 6.8W,6.2b
NDI VIII 25 13 22 02.7–4.6 30.46N 83.50E 10–0 6.4b,6.2b
TEH VIII 25 13 22 03.0 30.90N 83.62E 35 6.4b,6.2b
GCMT VIII 25 13 22 08.5–.10 30.61N 83.51E 17–0 6.7W,6.2b
ISC Event type de.
BGS Error ellipse: s-maj=340.2km s-min=388.5km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=13.3km s-min=11.4km az=121.0.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=113.0.
IDC Error ellipse: s-maj=12.5km s-min=7.2km az=40.0.
NEIC Event type de. Error ellipse: s-maj=6.2km s-min=3.3km az=198.0. About 700 rooms damaged [VIII] in Zhongba County. Ten km of surface faulting with sandblows along 4.2 km of the fracture zone observed in the epicentral area. Felt strongly at Bahraich and Lucknow and [III] at Delhi, India. Felt in parts of Haryana, Himachal Pradesh, Uttar Pradesh and Uttarakhand. Also felt at Kathmandu, Nepalganj and in the Tarai region, Nepal. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s30.00000° ,δ30.00000°,λ-60.00000°. NP2:ϕ_s176.00000°,δ64.00000°,λ-106.00000°. Principal axes: T Plg18.0000°,Azm278.0000°; N Plg0.0000°,Azm0.0000°; P Plg67.0000°,Azm57.0000° Moment Tensor Solution. s57 Moment tensor: Scale 10^{18}Nm; M_{rr}-5.44 $M_{\theta\theta}$-4.27 $M_{\phi\phi}$9.71 $M_{r\theta}$-1.37 $M_{\theta\phi}$-0.08 $M_{\theta r}$0.68 Best double couple: NP1:ϕ_s29.00000°,δ51.00000°,λ-46.00000°. NP2:ϕ_s152.00000°,δ56.00000°,λ-131.00000°. Principal axes: T 9.7400,Plg2.0000° ,Azm269.0000°; N -3.3800,Plg33.0000°,Azm177.0000°; P -6.3600,Plg56.0000°,Azm3.0000° $M_0$8.60000×10^{18} Moment Tensor Solution. $M_0$2.50000×10^{19}
ISCJB Event type de. Error ellipse: s-maj=2.9km s-min=1.7km az=26.2.
MOS Error ellipse: s-maj=6.1km s-min=2.9km az=128.8.
SZGRF Xizang.
NDI Error ellipse: s-maj=21.9km s-min=18.0km az=-1.0.
GCMT Event type se. Data Used: II IU G CN IC. LP body wave period 50 sec. Surface waves: sta=117, comp=266, per= 50. Moment Tensor Solution. s109,c255; s99,c214; Moment tensor: Scale 10^{19}Nm; M_{rr}-1.02±.01 $M_{\theta\theta}$-0.38±.01; $M_{\phi\phi}$1.40±.01; $M_{r\theta}$-0.56±.02; $M_{\theta\phi}$0.11±.01; $M_{\theta r}$0.20±.02; Best double couple: NP1:ϕ_s30.00000°,δ48.00000°,λ-48.00000°. NP2:ϕ_s157.00000°,δ56.00000°,λ-127.00000°. Principal axes: T 1.4200,Plg4.0000° ,Azm272.0000°; N -0.0500,Plg30.0000°,Azm180.0000°; P -1.3600,Plg60.0000°,Azm9.0000° $M_0$1.40000×10^{19}
ISC VIII 25 13 29 26.8–.34 30.74N–.07 83.36E–.05 35 4.8b 82 7-151
LDG VIII 25 13 29 21.9–.20 31.14N 83.37E 10–0 4.9b ¶13392571
IDC VIII 25 13 29 21.1–.47 30.65N 83.41E 0 6.4s,6.4
NEIC VIII 25 13 29 22.7–.28 30.71N 83.38E 10 5.0b,6.4
ISCJB VIII 25 13 29 25.0–.39 30.78N–.07 83.25E–.05 33 4.8b,6.4
ISC Event type ke.
LDG Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC VIII 25 13 39 39.5–.13 30.93N–.02 83.46E–.02 10 5.7s,5.1b 379 3-157
DMN VIII 25 13 39 31.1–.65 31.77N 82.80E 60–0 5.7L,5.1b ¶13392573
BJI VIII 25 13 39 36.7 30.78N 83.34E 12 5.9b,5.8s
IDC VIII 25 13 39 37.0–.35 30.77N 83.47E 0 5.0,5.0
LDG VIII 25 13 39 37.2–.31 31.08N 83.24E 10–0 5.1b,5.0
ISCJB VIII 25 13 39 37.6–.13 30.93N–.02 83.41E–.02 10 5.7s,5.1b
NEIC VIII 25 13 39 38.4–.20 30.80N 83.38E 10 5.2b,5.1b
MOS VIII 25 13 39 40.2–1.3 30.80N 83.39E 33 5.1b,5.1b
DJA VIII 25 13 39 43 30.94N 83.79E 29 5.4b,5.1b
NDI VIII 25 13 39 44.2–3.0 30.40N 83.22E 10–0 5.4b,5.2b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=15.9km s-min=12.2km az=93.0.
IDC Error ellipse: s-maj=12.3km s-min=9.3km az=25.0.
LDG Event type ke. Error ellipse: s-maj=16.2km s-min=5.6km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=35.4.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=202.0.
MOS Error ellipse: s-maj=7.4km s-min=4.3km az=126.5.
NDI Error ellipse: s-maj=33.8km s-min=50.6km az=-1.0.
ISC VIII 25 13 47 26.1–5.1 30.5N–.10 83.4E–.10 29–37 3.6b 12 7-77
IDC VIII 25 13 47 21.3–.98 30.35N 83.19E 0 3.9,3.7b ¶11908757
NEIC VIII 25 13 47 23.1–.84 30.46N 83.30E 10 3.9,3.7b
ISCJB VIII 25 13 47 24.6–5.0 30.5N–.10 83.5E–.10 31–36 3.6b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 25 13 47 50.6–4.4 30.8N–.10 83.4E–.10 25–32 3.9b 17 7-77
IDC VIII 25 13 47 46.4–.88 30.70N 83.23E 0 4.1,3.9b ¶11908758
ISCJB VIII 25 13 47 48.3–4.1 30.7N–.10 83.3E–.10 24–31 3.9b,3.9b
NEIC VIII 25 13 47 48.1–.64 30.76N 83.39E 10 3.9b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=16.8km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=12.2km az=36.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=10.9km az=48.0.
ISC VIII 25 13 52 54.1–1.1 30.5N–.20 83.4E–.20 10 3.6b 11 7-72
ISCJB VIII 25 13 52 52.2–1.1 30.4N–.20 83.3E–.20 10 3.6b ¶11908759
IDC VIII 25 13 52 53.0–1.5 30.57N 83.61E 0 3.9,3.8L
NEIC VIII 25 13 52 54.5–1.2 30.64N 83.77E 10 3.9,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.1km s-min=12.3km az=139.8.
IDC Error ellipse: s-maj=77.0km s-min=17.4km az=60.0.
NEIC Event type se. Error ellipse: s-maj=48.8km s-min=12.1km az=61.0.
IDC VIII 25 14 03 23.6–2.2 30.77N 83.18E 0 3.6,3.5L ¶12581381
IDC Error ellipse: s-maj=109.0km s-min=20.0km az=63.0.
ISC VIII 25 14 05 07.0–.75 30.9N–.10 83.4E–.20 35 3.9b 17 7-77
IDC VIII 25 14 05 01.6–.85 30.78N 83.28E 0 4.0,3.9b ¶11908763
NEIC VIII 25 14 05 03.3–.71 30.92N 83.55E 10 4.0,3.9b
ISCJB VIII 25 14 05 04.8–.75 30.9N–.10 83.3E–.20 33 3.9b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

IDC VIII 25 14 07 22.4–1.0 31.06N 84.03E 0 3.9,3.8b
¶12581383

IDC Error ellipse: s-maj=43.7km s-min=27.6km az=51.0.
IDC VIII 25 14 09 20.3–1.1 30.66N 83.36E 0 3.7,3.5b
¶12581384

IDC Error ellipse: s-maj=44.8km s-min=21.9km az=66.0.
ISC VIII 25 14 14 41.4–4.0 30.66N–.07 83.39E–.07 1–26 4.1b 30 7-120
ISCJB VIII 25 14 14 41.0–3.8 30.61N–.07 83.39E–.07 11–25 4.0b **¶11653081**
IDC VIII 25 14 14 41.5–.80 30.69N 83.46E 0 4.1,4.0b
NEIC VIII 25 14 14 46.0–4.7 30.75N 83.36E 28–33 4.3b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.7km az=34.1.
IDC Error ellipse: s-maj=26.4km s-min=15.2km az=48.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=9.6km az=52.0.
ISC VIII 25 14 16 02.5–.80 30.83N–.02 83.56E–.02 8–5 5.1b,5.0s 522 2-158
DMN VIII 25 14 15 54.4–.59 31.78N 83.15E 2–0 5.5L,5.0s **¶13392578**
ISCJB VIII 25 14 16 00.2–.79 30.81N–.02 83.51E–.02 4–5 5.1b,5.0s
LDG VIII 25 14 16 01.1–.22 31.09N 83.41E 10–0 5.1b,5.0s
BJI VIII 25 14 16 01.3 30.87N 83.55E 11 5.8b,5.2s
IDC VIII 25 14 16 01.4–.37 30.89N 83.73E 0 5.1,5.0
NEIC VIII 25 14 16 02.6–.21 30.83N 83.52E 10 5.2b,5.0
MOS VIII 25 14 16 04.3–1.2 30.83N 83.52E 33 5.2b,5.0
DJA VIII 25 14 16 06 30.71N 83.92E 10 5.3b,5.0
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=14.1km s-min=10.3km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=29.8.
LDG Event type ke. Error ellipse: s-maj=9.8km s-min=6.2km az=116.0.
IDC Error ellipse: s-maj=11.9km s-min=9.8km az=18.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.3km az=197.0.
MOS Error ellipse: s-maj=6.9km s-min=3.7km az=123.1.
ISC VIII 25 14 22 48.3–1.3 31.07N–.04 83.53E–.05 28–10 4.4b 131 3-150
DMN VIII 25 14 22 39.2–.52 31.75N 83.02E 60–0 4.6L **¶13392583**
BJI VIII 25 14 22 41.8 30.61N 83.16E 13 5.2b,4.9s
IDC VIII 25 14 22 43.1–.50 30.93N 83.58E 0 4.5,4.4b
MOS VIII 25 14 22 46.6–1.1 30.98N 83.48E 33 4.6b,4.4b
ISCJB VIII 25 14 22 47.1–1.2 31.07N–.04 83.50E–.05 33–10 4.4b,4.4b
NEIC VIII 25 14 22 47.2–2.2 30.98N 83.51E 26–16 4.6b,4.4b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=12.5km s-min=8.5km az=111.0.
IDC Error ellipse: s-maj=16.4km s-min=12.4km az=46.0.
MOS Error ellipse: s-maj=9.9km s-min=6.3km az=113.1.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.6km az=44.7.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.9km az=213.0.
IDC VIII 25 14 26 58.4–11 30.16N 83.66E 0 3.7L,3.4b
¶12581385

IDC Error ellipse: s-maj=330.3km s-min=32.9km az=60.0.
ISC VIII 25 14 32 17.1–.99 30.9N–.10 83.6E–.20 10 3.5b 10 7-120
IDC VIII 25 14 32 15.5–1.0 30.74N 83.45E 0 3.9L,3.6 **¶11908767**
NEIC VIII 25 14 32 16.9–.80 30.86N 83.54E 10 3.9L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=41.2km s-min=23.1km az=56.0.
NEIC Event type se. Error ellipse: s-maj=30.7km s-min=13.0km az=62.0.
IDC VIII 25 14 34 36.9–2.2 30.71N 83.24E 0 3.5,3.4b
¶12581386

IDC Error ellipse: s-maj=62.6km s-min=21.0km az=59.0.
ISC VIII 25 14 36 35.3–.60 30.51N–.07 83.3E–.10 10 3.7b 18 4-77
BJI VIII 25 14 36 25.2 29.71N 82.74E 8 4.9b,4.7s **¶11653082**
ISCJB VIII 25 14 36 33.4–.61 30.46N–.07 83.2E–.10 10 3.7b,4.7s
IDC VIII 25 14 36 34.0–1.2 30.49N 83.24E 0 3.8,3.6L
NEIC VIII 25 14 36 35.4–1.1 30.51N 83.27E 10 4.6b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=9.4km az=156.4.
IDC Error ellipse: s-maj=44.2km s-min=16.3km az=55.0.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=11.7km az=53.0.
IDC VIII 25 14 44 30.2–9.9 30.68N 83.28E 0 3.4,3.3b
¶12581387

IDC Error ellipse: s-maj=296.4km s-min=30.7km az=61.0.
ISC VIII 25 14 53 49.5–.86 30.7N–.10 83.3E–.20 10 3.6b 13 7-77
ISCJB VIII 25 14 53 47.6–.87 30.6N–.10 83.2E–.20 10 3.6b **¶11908770**
IDC VIII 25 14 53 47.9–1.0 30.67N 83.33E 0 3.8,3.7b
NEIC VIII 25 14 53 49.5–.87 30.68N 83.17E 10 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.2km s-min=11.3km az=140.7.
IDC Error ellipse: s-maj=36.5km s-min=19.0km az=57.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=11.4km az=51.0.
IDC VIII 25 14 57 49.9–7.2 30.70N 83.20E 0 3.5,3.3L
¶12581388

IDC Error ellipse: s-maj=318.5km s-min=30.4km az=69.0.
ISC VIII 25 14 59 54.0–.23 30.91N–.03 83.37E–.05 10 4.2b 111 3-145
BJI VIII 25 14 59 48.2 30.22N 83.00E 17 4.7b,4.6s **¶13392589**
DMN VIII 25 14 59 50.2–.92 31.21N 83.16E 2–0 4.8L,4.6s
IDC VIII 25 14 59 51.0–.61 30.66N 83.39E 0 4.2,4.1b
ISCJB VIII 25 14 59 52.3–.24 30.93N–.03 83.33E–.05 10 4.2b,4.1b
MOS VIII 25 14 59 53.9–1.4 30.65N 83.32E 33 4.5b,4.1b
NEIC VIII 25 14 59 54.2–2.8 30.69N 83.33E 22–20 4.5b,4.1b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=21.3km s-min=12.1km az=124.0.
IDC Error ellipse: s-maj=19.6km s-min=13.7km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.4km az=153.6.
MOS Error ellipse: s-maj=11.2km s-min=6.4km az=115.8.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.9km az=216.0.
IDC VIII 25 15 09 14.7–8.7 31.14N 83.32E 0 3.2b,3.2
¶11908773

IDC Error ellipse: s-maj=261.3km s-min=30.4km az=62.0.
ISC VIII 25 15 10 00.0–4.1 30.86N–.08 83.44E–.10 20–27 3.7b 22 5-77
ISCJB VIII 25 15 09 55.4–4.2 30.82N–.09 83.46E–.10 2–28 3.7b **¶12581390**
BJI VIII 25 15 09 56.6 30.66N 82.96E 8 4.1s,3.9b
IDC VIII 25 15 09 56.5–.88 30.69N 83.29E 0 4.7s,4.7
NEIC VIII 25 15 09 58.2–.57 30.79N 83.39E 10 4.7s,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=10.7km az=42.8.
IDC Error ellipse: s-maj=36.1km s-min=16.2km az=57.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=7.6km az=53.0.
ISC VIII 25 15 19 28.6–.60 30.82N–.07 83.3E–.10 10 3.5b 14 7-81
ISCJB VIII 25 15 19 26.8–.60 30.79N–.07 83.4E–.10 10 3.5b **¶11908774**
IDC VIII 25 15 19 26.6–.79 30.77N 83.39E 0 3.6L,3.6
NEIC VIII 25 15 19 28.3–.76 30.78N 83.25E 10 3.6L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=10.0km az=163.7.
IDC Error ellipse: s-maj=29.7km s-min=18.0km az=66.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=11.3km az=60.0.
ISC VIII 25 15 34 33.0–.23 30.78N–.02 83.40E–.03 10 4.2b 105 2-150
BJI VIII 25 15 34 27.8 30.43N 83.06E 13 4.6b,4.3b **¶13392590**
DMN VIII 25 15 34 27.3–.41 31.37N 82.87E 60–0 4.6L,4.3b
IDC VIII 25 15 34 30.2–.67 30.62N 83.44E 0 4.6,4.5s
ISCJB VIII 25 15 34 31.6–.23 30.83N–.02 83.40E–.03 10 4.2b,4.5s
NEIC VIII 25 15 34 31.8–.49 30.68N 83.45E 10 4.2b,4.5s
MOS VIII 25 15 34 33.4–1.5 30.62N 83.36E 33 4.4b,4.5s
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=10.0km s-min=7.8km az=89.0.
IDC Error ellipse: s-maj=20.7km s-min=14.1km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=148.8.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.2km az=220.0.
MOS Error ellipse: s-maj=12.7km s-min=7.5km az=115.3.
ISC VIII 25 15 40 37.2–.66 30.63N–.08 83.2E–.20 10 3.4b 14 14-77
ISCJB VIII 25 15 40 35.4–.67 30.60N–.08 83.2E–.20 10 3.4b **¶11908778**
IDC VIII 25 15 40 35.8–.98 30.72N 83.35E 0 3.6,3.5L
NEIC VIII 25 15 40 37.3–.76 30.66N 83.25E 10 3.6,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=11.0km az=167.8.
IDC Error ellipse: s-maj=38.5km s-min=18.6km az=61.0.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=10.6km az=65.0.
ISC VIII 25 16 03 54.0–.83 30.7N–.10 83.2E–.10 10 3.4b 12 4-76
ISCJB VIII 25 16 03 51.9–.67 30.62N–.10 83.15E–.09 10 3.4b **¶11908779**
IDC VIII 25 16 03 52.6–.96 30.63N 83.20E 0 3.6,3.5b
NEIC VIII 25 16 03 54.2–.70 30.72N 83.27E 10 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=10.2km az=27.8.
IDC Error ellipse: s-maj=31.8km s-min=17.5km az=56.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=9.1km az=53.0.
ISC VIII 25 16 05 08.0–1.8 30.8N–.20 83.6E–.40 10 3.4b 10 7-77
NEIC VIII 25 16 05 05.1–1.7 30.57N 82.84E 10 3.4b **¶11908780**
IDC VIII 25 16 05 05.7–2.2 30.66N 83.41E 0 4.1L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=40.0km s-min=12.4km az=57.0.
IDC Error ellipse: s-maj=67.5km s-min=21.0km az=61.0.
ISC VIII 25 16 43 26.5–4.7 30.7N–.10 83.28E–.09 11–29 3.8b 19 7-77
IDC VIII 25 16 43 24.8–.88 30.70N 83.39E 0 3.9,3.7b **¶11908781**
ISCJB VIII 25 16 43 26.4–4.5 30.7N–.10 83.3E–.10 23–32 3.8b,3.7b
NEIC VIII 25 16 43 26.3–.62 30.69N 83.24E 10 3.8b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=16.1km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=9.2km az=35.6.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=8.6km az=52.0.
ISC VIII 25 16 46 57.7–.46 30.67N–.06 83.44E–.07 10 3.9b 35 7-77
ISCJB VIII 25 16 46 55.9–.46 30.60N–.06 83.39E–.06 10 3.9b **¶11653085**
BJI VIII 25 16 46 56.0 30.75N 83.36E 11 4.1b,4.0s
IDC VIII 25 16 46 56.3–.76 30.73N 83.63E 0 4.0,4.0s
NEIC VIII 25 16 46 58.1–.70 30.71N 83.47E 10 4.2b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.1km az=29.4.
IDC Error ellipse: s-maj=29.2km s-min=14.8km az=49.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=10.0km az=215.0.
ISC VIII 25 16 56 08.2–1.7 30.8N–.20 83.4E–.30 10 3.5b 12 7-77
IDC VIII 25 16 56 02.9–2.3 30.23N 82.19E 0 3.7,3.6b **¶11908782**
ISCJB VIII 25 16 56 06.8–1.7 30.9N–.20 83.5E–.30 10 3.5b,3.6b
NEIC VIII 25 16 56 06.9–1.5 30.66N 82.97E 10 3.5b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=72.5km s-min=21.2km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=48.7km s-min=12.5km az=146.7.
NEIC Event type se. Error ellipse: s-maj=37.3km s-min=11.7km az=54.0.
ISC VIII 25 16 57 51.1–3.9 30.9N–.10 83.5E–.20 26–29 3.5b 16 7-77
IDC VIII 25 16 57 47.3–1.1 30.84N 83.62E 0 3.8,3.6b **¶11908783**
NEIC VIII 25 16 57 48.6–1.0 30.78N 83.35E 10 3.8,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=18.3km az=65.0.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=12.4km az=58.0.
ISC VIII 25 17 01 33.2–3.6 30.8N–.10 83.4E–.10 25–26 3.8b 28 7-77
BJI VIII 25 17 01 27.4 30.52N 83.27E 13 4.2b,3.9s **¶11653086**
IDC VIII 25 17 01 29.0–.89 30.70N 83.33E 0 3.9,3.8b
ISCJB VIII 25 17 01 30.0–3.7 30.7N–.10 83.3E–.10 16–26 3.8b,3.8b
NEIC VIII 25 17 01 30.6–.68 30.78N 83.29E 10 4.4b,3.8b
MOS VIII 25 17 01 32.5–1.4 30.71N 83.34E 33 4.3b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=16.6km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=9.5km az=135.2.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=8.5km az=51.0.
MOS Error ellipse: s-maj=17.9km s-min=8.8km az=107.1.
ISC VIII 25 17 02 49.0–4.2 30.64N–.09 83.1E–.10 24–33 3.5b 10 7-76
IDC VIII 25 17 02 45.7–1.3 30.55N 83.12E 0 3.7,3.6b **¶11908784**
ISCJB VIII 25 17 02 46.0–4.4 30.64N–.09 83.1E–.10 17–35 3.5b,3.6b
NEIC VIII 25 17 02 47.0–.76 30.65N 83.13E 10 3.9b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=52.6km s-min=24.8km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=14.9km az=166.7.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=10.3km az=55.0.
IDC VIII 25 17 07 35.8–3.7 30.49N 82.93E 0 3.8,3.6L
¶12581394

IDC Error ellipse: s-maj=158.3km s-min=26.8km az=67.0.
ISC VIII 25 17 30 28.5–3.5 30.6N–.20 83.2E–.30 38–31 3.4b 15 7-77
IDC VIII 25 17 30 22.9–.99 30.55N 83.21E 0 3.7,3.6b **¶11908788**
ISCJB VIII 25 17 30 24.6–7.3 30.6N–.20 83.2E–.30 22–51 3.4b,3.6b
NEIC VIII 25 17 30 24.4–.73 30.54N 83.12E 10 3.4b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=18.7km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=46.4km s-min=12.7km az=145.9.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=8.9km az=57.0.
IDC VIII 25 17 35 20.3–6.5 30.69N 83.54E 0 3.6,3.4b
¶12581396

IDC Error ellipse: s-maj=290.9km s-min=27.3km az=70.0.
IDC VIII 25 17 49 48.7–4.7 30.40N 82.70E 0 3.5L,3.5
¶12581397

IDC Error ellipse: s-maj=170.7km s-min=23.7km az=66.0.
IDC VIII 25 17 52 17.9–4.4 30.27N 82.42E 0 3.5,3.2b
¶12581398

IDC Error ellipse: s-maj=166.8km s-min=28.0km az=65.0.
ISC VIII 25 17 58 45.9–1.4 30.92N–.03 83.43E–.04 5–9 3.9b 56 3-83
DMN VIII 25 17 58 33.9–.65 31.94N 83.01E 10–0 4.6L **¶11377708**
BJI VIII 25 17 58 41.2 30.45N 82.97E 12 4.0b,3.9s
IDC VIII 25 17 58 43.4–.69 30.73N 83.75E 0 4.0,3.9
NDI VIII 25 17 58 43.7–4.3 30.94N 83.69E 10–0 3.6L,3.5b
NEIC VIII 25 17 58 45.2–.61 30.77N 83.56E 10 3.5b,3.5b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=15.9km s-min=11.7km az=100.0.
IDC Error ellipse: s-maj=29.3km s-min=14.5km az=57.0.
NDI Error ellipse: s-maj=50.2km s-min=23.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=9.4km az=53.0.
ISC VIII 25 18 02 30.9–1.1 30.6N–.10 83.0E–.20 10 3.5b 10 7-77
ISCJB VIII 25 18 02 29.2–1.1 30.5N–.10 83.0E–.20 10 3.5b **¶11908792**
IDC VIII 25 18 02 29.6–1.2 30.50N 83.15E 0 3.8,3.7L
NEIC VIII 25 18 02 30.8–1.1 30.56N 83.00E 10 3.8,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=13.4km az=140.9.
IDC Error ellipse: s-maj=38.5km s-min=23.8km az=63.0.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=13.6km az=53.0.
ISC VIII 25 18 13 02.0–1.4 30.7N–.20 83.2E–.20 10 3.2b 10 7-70
ISCJB VIII 25 18 12 59.6–1.4 30.7N–.20 83.1E–.20 10 3.2b **¶11908794**
IDC VIII 25 18 12 59.5–3.0 30.58N 83.09E 0 3.5,3.4
NEIC VIII 25 18 13 00.9–1.4 30.64N 83.02E 10 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.2km s-min=8.4km az=138.3.
IDC Error ellipse: s-maj=121.8km s-min=21.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=34.9km s-min=10.9km az=54.0.
ISC VIII 25 18 15 24.2–1.2 30.74N–.05 83.35E–.04 11–8 3.9b 47 3-77
BJI VIII 25 18 15 18.0 30.02N 82.82E 11 4.3b,4.3b **¶11653088**
ISCJB VIII 25 18 15 21.3–1.2 30.70N–.05 83.34E–.04 4–8 3.9b,4.3b
IDC VIII 25 18 15 22.3–.81 30.73N 83.42E 0 4.0,4.0
NEIC VIII 25 18 15 23.8–.45 30.73N 83.38E 10 4.1b,4.0
NDI VIII 25 18 15 25.2–7.9 30.84N 83.37E 15–70 4.1b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.6km az=1.3.
IDC Error ellipse: s-maj=23.1km s-min=14.9km az=39.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.6km az=46.0.
NDI Error ellipse: s-maj=46.0km s-min=51.0km az=-1.0.
IDC VIII 25 18 37 32.8–5.2 30.25N 81.86E 0 3.4,3.3b
¶12581400

IDC Error ellipse: s-maj=179.7km s-min=28.6km az=69.0.
IDC VIII 25 18 48 54.1–4.4 30.34N 82.61E 0 3.5,3.4L
¶12581401

IDC Error ellipse: s-maj=169.5km s-min=28.1km az=65.0.
ISC VIII 25 18 50 27.3–.51 30.71N–.07 83.53E–.10 10 3.7b 19 7-77
ISCJB VIII 25 18 50 25.4–.52 30.69N–.08 83.5E–.10 10 3.7b **¶11653089**

IDC VIII 25 18 50 25.6–.90 30.63N 83.43E 0 3.9,3.7b
NEIC VIII 25 18 50 27.1–.58 30.69N 83.51E 10 3.9,3.7b
BJI VIII 25 18 50 31.2 30.41N 83.77E 32 4.7b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=8.9km az=146.4.
IDC Error ellipse: s-maj=38.4km s-min=16.0km az=56.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=8.8km az=43.0.
ISC VIII 25 19 13 54.2–.76 30.63N–.02 83.36E–.02 20–5 4.8b,4.3s 426 2-151
DMN VIII 25 19 13 45.2–.61 31.56N 82.93E 10–0 5.2L,4.3s **¶13392603**
LDG VIII 25 19 13 50.0–.13 30.81N 83.32E 10–0 4.9b,4.0s
BJI VIII 25 19 13 50.1 30.57N 83.13E 19 5.1b,4.9s
IDC VIII 25 19 13 51.1–.44 30.64N 83.41E 0 4.7,4.7
ISCJB VIII 25 19 13 52.7–.58 30.59N–.03 83.35E–.02 25–4 4.8b,4.3s
NEIC VIII 25 19 13 52.5–.22 30.63N 83.29E 10 4.9b,4.3s
MOS VIII 25 19 13 54.0–1.2 30.61N 83.30E 33 5.0b,4.3s
NDI VIII 25 19 13 55.2–3.5 30.51N 83.46E 10–0 5.0b,4.9b
GCMT VIII 25 19 13 56.7–.30 30.41N 83.48E 19–0 5.1W,4.9b
SZGRF VIII 25 19 13 58.8 32.41N 83.96E 33 4.7b,4.9b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=14.5km s-min=8.4km az=112.0.
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=5.1km az=63.0.
IDC Error ellipse: s-maj=14.8km s-min=8.6km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=22.0.
NEIC Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=203.0.
MOS Error ellipse: s-maj=7.5km s-min=3.7km az=124.6.
NDI Error ellipse: s-maj=14.3km s-min=13.7km az=-1.0.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s26,c28; s63,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.95±.33 $M_{\theta\theta}$-0.38±.18; $M_{\phi\phi}$5.33±.21; $M_{r\theta}$-1.27±.45; $M_{\theta\phi}$-0.69±.11; $M_{\phi r}$-1.37±.32; Best double couple: NP1:ϕ_s158.00000°,δ41.00000° ,λ-114.00000°. NP2:ϕ_s8.00000°,δ54.00000°,λ-71.00000°. Principal axes: T 5.5600,Plg7.0000°,Azm85.0000°; N -0.0700,Plg15.0000°,Azm177.0000° ; P -5.4900,Plg73.0000°,Azm332.0000° $M_0$5.50000×10^{16}
SZGRF Xizang.
ISC VIII 25 19 33 07.9–.69 30.6N–.10 83.36E–.09 10 3.5b 16 5-77
ISCJB VIII 25 19 33 06.0–.70 30.6N–.10 83.38E–.09 10 3.5b **¶11908799**
IDC VIII 25 19 33 06.2–.92 30.54N 83.32E 0 3.8,3.6
NEIC VIII 25 19 33 07.9–.52 30.59N 83.24E 10 3.6b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=8.1km az=29.5.
IDC Error ellipse: s-maj=37.4km s-min=17.4km az=59.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=7.6km az=221.0.
ISC VIII 25 19 46 36.4–.81 31.0N–.10 83.5E–.20 10 3.5b 12 7-77
ISCJB VIII 25 19 46 34.6–.81 31.0N–.10 83.5E–.20 10 3.5b **¶11908800**
IDC VIII 25 19 46 34.7–.98 31.00N 83.62E 0 3.6,3.5b
NEIC VIII 25 19 46 36.1–.81 31.03N 83.44E 10 3.3b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.9km s-min=10.8km az=138.9.
IDC Error ellipse: s-maj=37.9km s-min=19.3km az=60.0.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=10.7km az=48.0.
ISC VIII 25 20 35 52.3–.65 30.76N–.08 83.2E–.10 10 3.5b 14 7-77
ISCJB VIII 25 20 35 50.2–.65 30.73N–.08 83.2E–.10 10 3.5b **¶11908802**
IDC VIII 25 20 35 51.0–1.1 30.72N 83.24E 0 3.8,3.6b
NEIC VIII 25 20 35 52.7–.88 30.82N 83.24E 10 3.4b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=9.5km az=148.5.
IDC Error ellipse: s-maj=38.6km s-min=22.9km az=63.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=10.9km az=47.0.
ISC VIII 25 20 40 43.3–.85 30.92N–.02 83.51E–.02 7–5 4.7b,4.2s 312 3-150
SZGRF VIII 25 20 40 31.6 29.74N 86.41E 33 4.8b,4.2s **¶13392607**
DMN VIII 25 20 40 32.6–.46 32.13N 83.14E 2–0 5.5L,4.2s
IDC VIII 25 20 40 41.5–.48 30.91N 83.47E 0 4.5,4.5
ISCJB VIII 25 20 40 41.4–.82 30.91N–.02 83.47E–.02 7–5 4.7b,4.2s
LDG VIII 25 20 40 42.5–.33 31.16N 83.15E 10–0 4.8b,4.0s
BJI VIII 25 20 40 44.1 31.16N 83.76E 10 5.0b,4.8s
NDI VIII 25 20 40 45.1–11 30.87N 83.54E 15–85 4.9b,4.7b
MOS VIII 25 20 40 45.0–1.7 30.82N 83.45E 33 4.8b,4.2s
NEIC VIII 25 20 40 45.1–2.1 30.93N 83.47E 21–15 4.7b,4.4s
GCMT VIII 25 20 40 49.2–.30 30.85N 83.72E 24–1 5.0W,4.4s
ISC Event type ke.
SZGRF Xizang.
DMN Event type ke. Error ellipse: s-maj=11.3km s-min=8.5km az=93.0.
IDC Error ellipse: s-maj=16.1km s-min=11.6km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=39.7.
LDG Event type ke. Error ellipse: s-maj=16.3km s-min=6.9km az=107.0.
NDI Error ellipse: s-maj=74.1km s-min=43.4km az=-1.0.
MOS Error ellipse: s-maj=8.0km s-min=4.3km az=121.7.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.6km az=205.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s17,c19; s71,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.11±.20 $M_{\theta\theta}$-2.68±.13; $M_{\phi\phi}$3.79±.15; $M_{r\theta}$1.24±.22; $M_{\theta\phi}$0.38±.10; $M_{\phi r}$-0.34±.18; Best double couple: NP1:ϕ_s225.00000°,δ68.00000°,λ-19.00000°. NP2:ϕ_s322.00000°,δ72.00000°,λ-156.00000°. Principal axes: T 3.8300,Plg3.0000° ,Azm93.0000°; N -0.4300,Plg61.0000°,Azm357.0000°; P -3.4000,Plg29.0000° ,Azm185.0000° $M_0$3.60000×10^{16}
IDC VIII 25 20 51 37.8–4.6 30.50N 82.97E 0 3.8s,3.8
¶12581403
IDC Error ellipse: s-maj=179.4km s-min=25.6km az=66.0.
IDC VIII 25 21 19 04.6–4.3 30.61N 83.64E 0 3.5,3.3L
¶12581404
IDC Error ellipse: s-maj=182.8km s-min=28.0km az=65.0.
ISC VIII 25 21 33 02.5–1.0 31.12N–.03 83.62E–.03 22–9 4.0b,3.1s 124 3-119
DMN VIII 25 21 32 51.0–.51 32.00N 83.23E 10–0 4.7L,3.1s **¶11377709**
IDC VIII 25 21 32 58.6–.70 31.19N 84.08E 0 4.1,4.0
BJI VIII 25 21 32 58.4 30.83N 83.53E 25 4.5b,4.3b
NEIC VIII 25 21 32 59.8–3.7 31.00N 83.57E 13–24 4.0b,4.3b
NDI VIII 25 21 33 01.1–2.7 31.17N 83.57E 10–0 4.0b,3.9L
MOS VIII 25 21 33 02.3–1.9 31.04N 83.85E 33 4.3b,3.9L
ISCJB VIII 25 21 33 02.4–.65 31.12N–.04 83.66E–.04 34–8 4.0b,3.1s
ISC Event type ke.
DMN Event type ke.
NEIC Event type se.
ISCJB Event type ke.
IDC VIII 25 21 59 01.9–4.4 30.33N 82.50E 0 3.6,3.4b
¶12581405
IDC Error ellipse: s-maj=168.4km s-min=28.1km az=65.0.
ISC VIII 25 22 46 47.2–.73 30.62N–.09 83.0E–.10 10 3.6b 12 7-70
ISCJB VIII 25 22 46 45.5–.73 30.66N–.09 83.1E–.10 10 3.6b **¶11908810**
IDC VIII 25 22 46 46.8–4.6 30.53N 83.09E 0 3.9b,3.7
NEIC VIII 25 22 46 47.1–.58 30.64N 83.04E 10 3.8b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=9.6km az=143.1.
IDC Error ellipse: s-maj=184.9km s-min=27.4km az=65.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.8km az=55.0.
ISC VIII 25 22 52 22.1–.53 30.78N–.06 83.32E–.09 10 3.7b 30 5-77
ISCJB VIII 25 22 52 20.3–.54 30.78N–.06 83.25E–.09 10 3.7b **¶11908811**
IDC VIII 25 22 52 20.2–.96 30.64N 83.13E 0 3.9,3.8b
NEIC VIII 25 22 52 21.9–.40 30.74N 83.22E 10 3.6b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=8.2km az=149.1.
IDC Error ellipse: s-maj=39.1km s-min=16.8km az=57.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=6.2km az=64.0.
ISC VIII 26 00 21 35.8–1.2 30.61N–.04 83.27E–.04 20–8 4.2b,3.7s 107 3-145
BJI VIII 26 00 21 32.4 30.60N 83.24E 10 4.7b,4.3b **¶11653093**
IDC VIII 26 00 21 32.7–.95 30.65N 83.34E 0 4.2,4.1b
ISCJB VIII 26 00 21 34.3–1.6 30.61N–.05 83.22E–.04 23–12 4.2b,3.7s
NEIC VIII 26 00 21 34.3–.28 30.64N 83.27E 10 4.3b,3.7s
MOS VIII 26 00 21 35.6–1.1 30.55N 83.21E 36 4.6b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=16.9km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.0km az=31.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.5km az=218.0.
MOS Error ellipse: s-maj=10.3km s-min=6.1km az=116.7.

ISC VIII 26 01 38 12.2–.63 30.69N–.06 83.4E–.10 10 3.9b 22 5-145
ISCJB VIII 26 01 38 10.2–.64 30.66N–.06 83.3E–.10 10 3.9b **¶11908822**
NEIC VIII 26 01 38 12.9–1.2 30.74N 83.24E 10 4.3b
IDC VIII 26 01 38 12.3–1.3 30.88N 83.65E 0 4.1L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=8.1km az=162.0.
NEIC Event type se. Error ellipse: s-maj=34.1km s-min=11.6km az=48.0.
IDC Error ellipse: s-maj=42.9km s-min=19.6km az=58.0.
ISC VIII 26 04 54 39.4–1.6 31.0N–.20 83.5E–.20 10 3.8s,3.3b 9 3-79
IDC VIII 26 04 54 33.0–5.0 30.47N 83.07E 0 3.8,3.8s **¶12581417**
ISCJB VIII 26 04 54 38.5–1.6 31.1N–.20 83.4E–.20 10 3.8s,3.3b
IDC VIII 26 04 56 26.8–2.9 30.70N 83.43E 0 3.6,3.4b
¶12581418
IDC Error ellipse: s-maj=126.9km s-min=25.0km az=66.0.
ISC VIII 26 05 02 12.2–1.4 30.76N–.05 83.35E–.05 6–9 3.7b 33 3-77
ISCJB VIII 26 05 02 09.6–1.3 30.73N–.05 83.34E–.05 1–8 3.7b **¶11653094**
IDC VIII 26 05 02 10.7–1.1 30.70N 83.29E 0 3.9,3.8
BJI VIII 26 05 02 11.2 30.64N 83.08E 18 4.3b,4.2b
NEIC VIII 26 05 02 14.1–3.6 30.74N 83.21E 20–26 3.8b,4.2b
NDI VIII 26 05 02 22.6–1.7 30.14N 83.38E 10–0 3.8b,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.3km az=151.6.
IDC Error ellipse: s-maj=43.2km s-min=16.1km az=58.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=7.8km az=45.0.
NDI Error ellipse: s-maj=12.3km s-min=21.0km az=-1.0.
IDC VIII 26 05 12 15.8–2.9 30.48N 82.88E 0 3.7,3.5
¶12581420
IDC Error ellipse: s-maj=83.1km s-min=26.0km az=68.0.
ISC VIII 26 05 23 47.0–.83 30.9N–.10 83.8E–.10 10 3.4b 7 5-72
ISCJB VIII 26 05 23 45.4–.85 30.8N–.10 83.8E–.10 10 3.4b **¶12581421**
IDC VIII 26 05 23 45.4–3.8 30.81N 83.79E 0 3.7,3.6L
ISCJB Error ellipse: s-maj=19.6km s-min=14.0km az=138.1.
IDC Error ellipse: s-maj=166.4km s-min=22.4km az=68.0.
IDC VIII 26 06 03 29.5–3.1 30.97N 83.55E 0 4.0L,3.7
¶12581426
IDC Error ellipse: s-maj=121.9km s-min=22.8km az=63.0.
ISC VIII 26 07 46 55.9–1.0 31.68N–.02 91.43E–.02 12–6 4.6b,4.1s 263 2-152
IDC VIII 26 07 46 52.3–.57 31.67N 91.37E 0 4.5,4.4 **¶11208029**
BJI VIII 26 07 46 54.6 31.70N 91.48E 14 4.8s,4.8b
ISCJB VIII 26 07 46 54.4–.90 31.65N–.02 91.40E–.02 15–5 4.6b,4.1s
NEIC VIII 26 07 46 56.0–2.9 31.65N 91.41E 13–18 4.8b,4.3s
MOS VIII 26 07 46 57.0–1.4 31.71N 91.47E 33 4.9b,4.3s
GCMT VIII 26 07 46 58.8–.40 31.69N 91.51E 21–1 4.9W,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=12.9km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=137.9.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.3km az=46.0.
MOS Error ellipse: s-maj=9.6km s-min=4.9km az=119.5.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s16,c17; s63,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.10±.13 $M_{\theta\theta}$-2.13±.10; $M_{\phi\phi}$2.23±.11; $M_{r\theta}$-0.33±.19; $M_{\theta\phi}$1.28±.08; $M_{\phi r}$-0.14±.18; Best double couple: NP1:ϕ_s150.00000°,δ82.00000°,λ-179.00000°. NP2:ϕ_s60.00000°,δ89.00000°,λ-8.00000°. Principal axes: T 2.6000,Plg5.0000° ,Azm105.0000°; N -0.0800,Plg82.0000°,Azm231.0000°; P -2.5100,Plg7.0000°,Azm15.0000° $M_0$2.60000×10^{16}
ISC VIII 26 10 03 37.2–.32 30.84N–.03 83.25E–.03 10 3.9b,3.4s 59 3-145
BJI VIII 26 10 03 29.0 30.06N 82.84E 20 4.4b,4.1b **¶11377718**
DMN VIII 26 10 03 31.3–.70 31.34N 82.81E 60–0 4.5L,4.1b
IDC VIII 26 10 03 33.5–1.0 30.55N 83.41E 0 4.1,3.9b
NDI VIII 26 10 03 34.6–3.7 30.71N 83.50E 10–0 4.3b,4.1b
ISCJB VIII 26 10 03 35.7–.32 30.84N–.03 83.26E–.04 10 3.9b,3.4s
NEIC VIII 26 10 03 35.1–.70 30.58N 83.33E 10 4.1b,3.4s
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=17.3km s-min=13.2km az=80.0.
IDC Error ellipse: s-maj=32.7km s-min=15.8km az=58.0.
NDI Error ellipse: s-maj=36.1km s-min=18.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=42.8.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=8.8km az=50.0.
ISC VIII 26 10 59 42.9–.46 30.61N–.06 83.25E–.05 10 3.8b,3.2s 32 3-145
BJI VIII 26 10 59 29.5 29.87N 82.29E 10 4.6b,3.9b **¶11653099**
NDI VIII 26 10 59 38.6–4.1 30.43N 83.70E 10–0 3.8b,3.7L
ISCJB VIII 26 10 59 41.1–.45 30.59N–.06 83.23E–.04 10 3.7b,3.2s
IDC VIII 26 10 59 41.1–.88 30.62N 83.33E 0 4.0,3.9
NEIC VIII 26 10 59 43.4–.80 30.71N 83.25E 10 3.8b,3.9
ISC Event type se.
NDI Error ellipse: s-maj=57.3km s-min=38.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.9km az=163.6.
IDC Error ellipse: s-maj=34.4km s-min=15.8km az=59.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=9.2km az=218.0.
ISC VIII 26 11 22 19.1–8.6 30.9N–.10 83.5E–.20 16–54 3.5b 14 7-77
ISCJB VIII 26 11 22 16.8–8.4 30.8N–.10 83.5E–.20 14–52 3.5b **¶11908855**
IDC VIII 26 11 22 16.6–1.6 30.88N 83.55E 0 4.0L,3.7
NEIC VIII 26 11 22 18.2–.77 30.87N 83.51E 10 4.0b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.4km s-min=13.0km az=143.3.
IDC Error ellipse: s-maj=61.1km s-min=18.5km az=64.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=9.5km az=50.0.
ISC VIII 26 11 28 55.6–.95 30.8N–.10 83.3E–.20 10 3.6b 17 7-77
ISCJB VIII 26 11 28 53.7–.95 30.7N–.10 83.3E–.20 10 3.6b **¶11908856**
IDC VIII 26 11 28 53.2–1.5 30.71N 83.22E 0 3.8,3.7
NEIC VIII 26 11 28 55.7–.91 30.79N 83.32E 10 3.6b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.8km s-min=9.5km az=140.4.
IDC Error ellipse: s-maj=52.2km s-min=18.4km az=63.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=9.4km az=52.0.
ISC VIII 26 13 30 03.7–4.5 30.8N–.10 83.5E–.10 31–39 3.4b 11 5-83
IDC VIII 26 13 29 58.8–2.8 30.75N 83.29E 0 3.9,3.9s **¶11908858**
NEIC VIII 26 13 30 00.1–1.3 30.69N 83.31E 10 4.6b,3.9s
ISCJB VIII 26 13 30 01.1–4.4 30.7N–.10 83.5E–.10 25–39 3.4b,3.9s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 26 13 56 17.1–.75 30.8N–.10 83.4E–.10 10 3.5b 11 5-73
IDC VIII 26 13 56 14.4–1.9 30.65N 83.18E 0 3.7L,3.7 **¶11908860**
ISCJB VIII 26 13 56 15.2–.75 30.8N–.10 83.5E–.10 10 3.5b,3.7
NEIC VIII 26 13 56 16.1–1.1 30.78N 83.29E 10 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=62.3km s-min=24.1km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=11.5km az=24.1.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=13.2km az=47.0.
IDC VIII 26 15 48 59.4–1.8 30.51N 83.58E 0 3.5,3.4b
¶12581438
IDC Error ellipse: s-maj=41.3km s-min=14.7km az=67.0.
ISC VIII 26 16 23 30.0–.34 30.98N–.03 83.37E–.04 10 3.7b 49 3-150
DMN VIII 26 16 23 05.1–.33 32.89N 82.30E 60–0 4.7L **¶11908865**
IDC VIII 26 16 23 27.0–1.4 30.76N 83.44E 0 3.8,3.6b
ISCJB VIII 26 16 23 28.5–.35 30.97N–.03 83.39E–.05 10 3.7b,3.6b
NEIC VIII 26 16 23 28.2–5.7 30.84N 83.52E 3–34 4.3b,3.6b
NDI VIII 26 16 23 30.1–4.0 30.84N 83.52E 20–51 4.4b,4.3b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=9.6km s-min=6.1km az=90.0.
IDC Error ellipse: s-maj=51.6km s-min=18.2km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.7km az=154.4.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=7.9km az=52.0.
NDI Error ellipse: s-maj=38.1km s-min=25.2km az=-1.0.
ISC VIII 26 16 23 40.3–4.7 30.66N–.09 83.32E–.09 10–30 4.0b 27 13-150
ISCJB VIII 26 16 23 37.5–4.9 30.59N–.09 83.23E–.09 6–32 4.0b **¶11908866**
IDC VIII 26 16 23 38.6–.78 30.66N 83.31E 0 4.1,4.0
NEIC VIII 26 16 23 42.8–3.2 30.64N 83.24E 29–23 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=10.1km az=37.3.
IDC Error ellipse: s-maj=28.0km s-min=16.3km az=55.0.

NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.4km az=50.0.
ISC VIII 26 17 09 40.8–1.4 30.4N–.10 82.8E–.20 10 3.3b 10 7-73
ISCJB VIII 26 17 09 39.9–1.3 30.4N–.10 82.9E–.20 10 3.3b **¶11908867**
NEIC VIII 26 17 09 40.1–1.3 30.36N 82.67E 10 3.6b
IDC VIII 26 17 09 40.9–1.0 30.43N 83.10E 0 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.1km s-min=13.5km az=145.2.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=14.2km az=54.0.
IDC Error ellipse: s-maj=35.2km s-min=7.1km az=69.0.
ISC VIII 26 18 33 25.4–4.9 30.61N–.09 83.16E–.09 11–33 3.5s,3.5b 23 7-77
IDC VIII 26 18 33 23.8–1.3 30.63N 83.31E 0 3.7,3.6 **¶11908872**
ISCJB VIII 26 18 33 24.7–3.7 30.57N–.09 83.12E–.08 20–29 3.5s,3.5b
NEIC VIII 26 18 33 28.8–1.3 30.64N 83.14E 36–14 3.7b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=18.8km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=8.5km az=32.5.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=8.0km az=225.0.
IDC VIII 26 19 44 01.8–2.1 30.53N 83.22E 0 3.4,3.3b
¶12581441
IDC Error ellipse: s-maj=57.8km s-min=12.6km az=70.0.
ISC VIII 26 19 50 40.4–.85 30.6N–.10 83.1E–.10 10 3.5b 11 7-73
ISCJB VIII 26 19 50 38.1–.86 30.6N–.10 83.1E–.10 10 3.5b **¶11908875**
IDC VIII 26 19 50 39.3–1.7 30.64N 83.27E 0 3.6,3.4b
NEIC VIII 26 19 50 41.2–5.3 30.73N 83.13E 18–37 3.6,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=10.5km az=39.0.
IDC Error ellipse: s-maj=60.3km s-min=24.1km az=61.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=10.0km az=216.0.
ISC VIII 26 21 42 29.8–.52 30.76N–.07 83.38E–.09 10 3.7b 26 7-83
ISCJB VIII 26 21 42 27.9–.52 30.71N–.07 83.27E–.07 10 3.7b **¶11908881**
IDC VIII 26 21 42 27.8–1.2 30.67N 83.34E 0 3.9,3.7b
NEIC VIII 26 21 42 31.4–2.6 30.77N 83.35E 22–19 3.6b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=6.2km az=33.5.
IDC Error ellipse: s-maj=48.3km s-min=16.4km az=62.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.4km az=221.0.
ISC VIII 26 23 54 25.3–.98 30.71N–.03 83.29E–.02 16–6 4.8b,4.5s 441 2-151
SZGRF VIII 26 23 54 06.4 28.89N 86.15E 33 5.0b,4.5s **¶13392697**
BJI VIII 26 23 54 21.6 30.73N 83.19E 11 5.0b,4.9s
IDC VIII 26 23 54 22.0–.50 30.63N 83.35E 0 4.5,4.5
DMN VIII 26 23 54 22.5–.58 31.12N 83.14E 10–0 5.1L,4.5
ISCJB VIII 26 23 54 23.6–.86 30.71N–.03 83.26E–.02 19–6 4.8b,4.5s
NEIC VIII 26 23 54 23.8–.20 30.66N 83.28E 10 5.0b,4.4s
TEH VIII 26 23 54 24.0 30.69N 83.31E 10 5.0b,4.4s
MOS VIII 26 23 54 25.4–1.0 30.66N 83.24E 33 5.1b,4.4s
LDG VIII 26 23 54 25.5–.33 30.77N 83.10E 33–0 5.0b,4.2s
ISC Event type ke.
SZGRF Xizang.
IDC Error ellipse: s-maj=15.7km s-min=12.6km az=32.0.
DMN Event type ke. Error ellipse: s-maj=12.6km s-min=10.4km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=14.1.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.0km az=24.0.
MOS Error ellipse: s-maj=7.4km s-min=4.0km az=126.5.
LDG Event type ke. Error ellipse: s-maj=16.4km s-min=6.2km az=97.0.
ISC VIII 27 01 35 33.9–1.4 31.03N–.03 83.46E–.05 14–10 4.5b 66 3-145
BJI VIII 27 01 35 26.7 30.64N 83.31E 10 4.5b **¶11377723**
IDC VIII 27 01 35 30.6–.74 30.38N 83.22E 0 5.1,5.1s
NEIC VIII 27 01 35 31.9–.50 30.99N 83.65E 10 4.4b,5.1s
DMN VIII 27 01 35 32.1–.41 31.26N 83.37E 10–0 4.5L,5.1s
ISCJB VIII 27 01 35 32.5–1.4 31.05N–.03 83.44E–.05 15–10 4.5b,5.1s
NDI VIII 27 01 35 39.6–2.9 30.69N 83.09E 15–0 4.4b,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=44.1km s-min=15.4km az=35.0.
NEIC Event type ke. Error ellipse: s-maj=19.2km s-min=8.6km az=48.0.
DMN Event type ke. Error ellipse: s-maj=9.1km s-min=6.8km az=144.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.3km az=143.7.
NDI Error ellipse: s-maj=67.8km s-min=135.6km az=-1.0.
IDC VIII 27 01 54 41.5–1.6 30.86N 83.91E 0 4.1,3.9L
¶12581449
IDC Error ellipse: s-maj=82.3km s-min=19.7km az=60.0.
ISC VIII 27 02 04 38.3–.20 30.73N–.02 83.51E–.03 10 4.4b 114 2-150
DMN VIII 27 02 04 29.0–.63 31.97N 83.10E 10–0 5.2L **¶13392705**
ISCJB VIII 27 02 04 36.6–.20 30.73N–.02 83.46E–.03 10 4.4b
BJI VIII 27 02 04 36.7 30.80N 83.51E 10 4.6b,4.5
IDC VIII 27 02 04 36.9–.51 30.80N 83.56E 0 4.4,4.3b
NEIC VIII 27 02 04 38.4–.25 30.80N 83.51E 10 4.6b,4.3b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=18.6km s-min=12.2km az=81.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=138.4.
IDC Error ellipse: s-maj=17.3km s-min=12.0km az=41.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.8km az=45.0.
ISC VIII 27 03 24 05.5–1.5 30.93N–.09 83.6E–.10 36–17 3.8b 16 5-77
IDC VIII 27 03 23 59.5–1.3 30.76N 83.40E 0 3.9,3.8L **¶11908893**
NEIC VIII 27 03 24 01.2–.83 30.79N 83.31E 10 4.1b,3.8L
ISCJB VIII 27 03 24 04.7–1.5 30.91N–.10 83.5E–.10 49–16 3.8b,3.8L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 27 04 49 10.7–2.1 30.92N–.03 83.52E–.04 19–15 4.0b 76 3-150
DMN VIII 27 04 49 03.0–.78 31.50N 83.28E 2–0 4.6L **¶13392721**
BJI VIII 27 04 49 06.0 30.78N 83.55E 12 4.5b,4.2b
IDC VIII 27 04 49 06.7–.66 30.84N 83.79E 0 4.2,4.1
NEIC VIII 27 04 49 08.7–.45 30.85N 83.54E 10 4.2b,4.1
ISCJB VIII 27 04 49 08.5–1.1 30.95N–.04 83.50E–.04 15–9 4.0b,4.1
NDI VIII 27 04 49 12.9–3.0 30.22N 83.47E 10–0 4.2b,4.0L
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=18.3km s-min=10.4km az=126.0.
IDC Error ellipse: s-maj=24.2km s-min=14.2km az=55.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.4km az=224.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.1km az=44.8.
NDI Error ellipse: s-maj=33.2km s-min=15.4km az=-1.0.
ISC VIII 27 05 38 31.5–3.4 30.9N–.10 83.5E–.10 16–25 3.5b 11 3-77
ISCJB VIII 27 05 38 27.9–3.3 30.9N–.10 83.42E–.10 7–25 3.5b **¶11908897**
IDC VIII 27 05 38 28.8–1.4 30.81N 83.20E 0 4.1L,3.8
NEIC VIII 27 05 38 30.2–.95 30.88N 83.37E 10 4.1L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=13.1km az=19.9.
IDC Error ellipse: s-maj=46.6km s-min=22.5km az=55.0.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=11.6km az=48.0.
ISC VIII 27 08 58 54.2–2.5 30.80N–.09 83.2E–.10 10–19 3.4b 17 3-86
NDI VIII 27 08 58 20.0–3.3 31.09N 83.42E 10–0 3.0L **¶11908918**
IDC VIII 27 08 58 53.8–1.9 30.86N 83.59E 0 3.8,3.6
ISCJB VIII 27 08 58 54.0–2.2 30.81N–.09 83.3E–.10 15–17 3.4b,3.6
NEIC VIII 27 08 58 54.8–1.2 30.83N 83.33E 10 3.4b,3.6
ISC Event type se.
NDI Error ellipse: s-maj=32.0km s-min=26.8km az=-1.0.
IDC Error ellipse: s-maj=70.1km s-min=19.9km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=12.6km az=138.3.
NEIC Event type se. Error ellipse: s-maj=31.8km s-min=10.9km az=59.0.
ISC VIII 27 19 28 19.2–.15 30.73N–.02 83.35E–.02 10 4.5b,4.0s 280 2-150
DMN VIII 27 19 28 14.6–.50 31.21N 83.06E 2–0 4.6L,4.0s **¶13392771**
LDG VIII 27 19 28 16.0–.15 30.64N 83.25E 10–0 4.7b,3.8s
IDC VIII 27 19 28 16.9–.51 30.66N 83.45E 0 4.4,4.4
ISCJB VIII 27 19 28 17.5–.15 30.74N–.02 83.30E–.02 10 4.5b,4.0s
BJI VIII 27 19 28 17.7 30.64N 83.36E 15 4.8b,4.6b
NDI VIII 27 19 28 19.4–5.1 30.63N 83.47E 15–55 4.7b,4.7b
MOS VIII 27 19 28 20.5–1.1 30.67N 83.36E 37 4.8b,4.7b
NEIC VIII 27 19 28 21.7–1.6 30.67N 83.36E 32–11 4.7b,4.7b
DJA VIII 27 19 28 21 30.34N 83.32E 19 4.3b,4.7b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=11.8km s-min=8.3km az=106.0.
LDG Event type ke. Error ellipse: s-maj=7.9km s-min=5.8km az=63.0.
IDC Error ellipse: s-maj=15.7km s-min=12.0km az=23.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=28.3.
NDI Error ellipse: s-maj=35.0km s-min=29.4km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=4.5km az=123.6.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.2km az=204.0.
ISC VIII 27 19 53 01.7–1.6 30.7N–.20 82.9E–.20 35 3.4b 13 7-77
IDC VIII 27 19 52 57.0–2.2 30.62N 82.97E 0 3.6,3.5b **¶11908944**
NEIC VIII 27 19 52 58.2–1.2 30.65N 82.84E 10 3.6b,3.5b
ISCJB VIII 27 19 52 59.9–1.5 30.6N–.20 82.9E–.20 33 3.4b,3.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 28 03 58 42.7–1.7 30.67N–.05 83.62E–.05 2–11 3.7b,3.5s 30 3-77
IDC VIII 28 03 58 39.0–1.2 30.32N 84.06E 0 4.1,3.9b **¶11908973**
ISCJB VIII 28 03 58 40.6–1.4 30.61N–.05 83.63E–.04 5–8 3.7b,3.5s
NEIC VIII 28 03 58 40.3–1.3 30.35N 83.79E 10 3.7b,3.5s
NDI VIII 28 03 58 55.7–2.9 30.22N 83.51E 10–0 3.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=24.4km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.7km az=167.7.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=18.9km az=46.0.
NDI Error ellipse: s-maj=27.9km s-min=12.3km az=-1.0.
ISC VIII 28 05 15 16.9–4.1 30.9N–.10 83.6E–.10 31–31 3.6b 15 7-77
IDC VIII 28 05 15 11.6–1.0 30.87N 83.26E 0 4.0L,3.8 **¶11908977**
NEIC VIII 28 05 15 13.4–.88 30.82N 83.61E 10 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=20.6km az=64.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=13.2km az=214.0.
ISC VIII 28 06 27 12.4–1.2 30.69N–.05 83.15E–.04 8–8 3.7b,2.9s 39 3-145
IDC VIII 28 06 27 09.8–.78 30.53N 83.06E 0 4.0,3.9 **¶11908979**
ISCJB VIII 28 06 27 10.4–1.2 30.65N–.05 83.16E–.04 8–7 3.7b,2.9s
NDI VIII 28 06 27 10.1–3.6 30.89N 83.42E 10–0 3.6L,3.6b
NEIC VIII 28 06 27 11.8–.61 30.62N 83.13E 10 3.6b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=16.2km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.9km az=166.0.
NDI Error ellipse: s-maj=27.2km s-min=14.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=8.9km az=224.0.
ISC VIII 28 07 13 37.5–2.5 30.82N–.06 83.35E–.08 31–19 3.9b,3.1s 29 7-79
BJI VIII 28 07 13 27.2 30.14N 82.95E 9 4.2b,3.9b **¶11653111**
IDC VIII 28 07 13 32.9–1.4 30.80N 83.52E 0 4.0,3.9b
ISCJB VIII 28 07 13 35.5–2.5 30.78N–.07 83.23E–.07 30–20 3.9b,3.1s
NEIC VIII 28 07 13 36.0–.99 30.93N 83.40E 10 4.2b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=20.7km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=8.4km az=37.7.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=10.1km az=217.0.
ISC VIII 28 07 42 12.6–1.2 30.61N–.04 83.24E–.04 14–8 4.2b,3.3s 69 3-145
BJI VIII 28 07 42 09.8 30.68N 83.17E 8 4.5b,4.2b **¶13392811**
IDC VIII 28 07 42 09.9–.94 30.60N 83.31E 0 4.2,4.1
ISCJB VIII 28 07 42 10.6–1.1 30.58N–.04 83.20E–.03 14–7 4.2b,3.3s
NDI VIII 28 07 42 12.1–7.5 30.70N 83.30E 15–70 4.5b,4.4b
NEIC VIII 28 07 42 12.1–.59 30.64N 83.25E 10 4.4b,4.4b
MOS VIII 28 07 42 13.3–1.1 30.62N 83.22E 33 4.3b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=14.9km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.8km az=176.0.
NDI Error ellipse: s-maj=41.8km s-min=48.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.5km az=222.0.
MOS Error ellipse: s-maj=13.6km s-min=7.6km az=113.3.
IDC VIII 28 07 45 47.3–3.7 30.18N 81.45E 0 4.1L,3.8
¶12581492
IDC Error ellipse: s-maj=144.2km s-min=21.0km az=69.0.
IDC VIII 28 10 51 33.2–4.5 30.96N 83.25E 0 3.6L,3.5
¶12581500
IDC Error ellipse: s-maj=172.9km s-min=23.3km az=67.0.
IDC VIII 28 15 53 13.3–4.7 30.53N 82.09E 0 3.4,3.3L
¶12581507
IDC Error ellipse: s-maj=173.5km s-min=28.7km az=66.0.
IDC VIII 28 17 10 48.7–4.6 30.38N 82.70E 0 3.5,3.4b
¶12581511
IDC Error ellipse: s-maj=176.5km s-min=27.9km az=65.0.
ISC VIII 29 01 26 42.8–1.2 30.57N–.05 83.28E–.04 17–7 3.8b 43 3-77
NDI VIII 29 01 26 34.0–3.6 30.97N 83.74E 10–0 4.0b,3.8L **¶11909042**
IDC VIII 29 01 26 39.9–.89 30.57N 83.25E 0 4.0,3.9L
NEIC VIII 29 01 26 41.7–.48 30.55N 83.25E 10 4.0b,3.9L
ISCJB VIII 29 01 26 42.6–1.6 30.56N–.06 83.27E–.04 30–12 3.8b,3.9L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 29 03 52 20.9–1.1 30.72N–.02 83.29E–.03 19–7 4.3b,3.7s 179 2-145
DMN VIII 29 03 52 14.0–.35 31.33N 83.09E 2–0 4.8L,3.7s **¶13392874**
IDC VIII 29 03 52 16.7–.60 30.62N 83.42E 0 4.3,4.3
NDI VIII 29 03 52 16.5–6.6 30.83N 83.56E 10–0 4.5b,4.2L
BJI VIII 29 03 52 17.1 30.61N 83.26E 20 4.6b,4.4b
NEIC VIII 29 03 52 18.8–.29 30.63N 83.32E 10 4.5b,4.4b
ISCJB VIII 29 03 52 19.2–.62 30.75N–.02 83.28E–.03 19–5 4.3b,3.7s
MOS VIII 29 03 52 20.4–1.4 30.69N 83.34E 33 4.6b,3.7s
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=8.4km s-min=6.6km az=68.0.
IDC Error ellipse: s-maj=18.5km s-min=13.9km az=41.0.
NDI Error ellipse: s-maj=38.2km s-min=31.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.2km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=38.5.
MOS Error ellipse: s-maj=10.5km s-min=5.3km az=116.0.
ISC VIII 29 06 18 16.3–.22 30.87N–.02 83.40E–.03 10 4.1b,3.6s 90 3-150
BJI VIII 29 06 18 11.7 30.43N 83.20E 26 4.9b,4.3b **¶13392879**
IDC VIII 29 06 18 13.4–.57 30.78N 83.51E 0 4.2,4.2
DMN VIII 29 06 18 14.8–.44 31.25N 83.39E 10–0 4.7L,4.2
ISCJB VIII 29 06 18 14.5–.22 30.87N–.02 83.34E–.03 10 4.1b,3.6s
NDI VIII 29 06 18 16.2–3.5 30.89N 83.54E 23–48 4.2L,4.2b
NEIC VIII 29 06 18 17.2–2.4 30.77N 83.43E 24–17 4.2b,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=13.2km az=46.0.
DMN Event type ke. Error ellipse: s-maj=9.4km s-min=7.6km az=125.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=139.1.
NDI Error ellipse: s-maj=33.2km s-min=22.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.4km az=216.0.
ISC VIII 29 09 43 15.8–.14 30.80N–.02 83.38E–.02 10 4.7b,4.2s 288 2-151
DMN VIII 29 09 43 11.9–.78 31.27N 83.12E 2–0 5.3L,4.2s **¶13392887**
BJI VIII 29 09 43 12.6 30.63N 83.13E 16 4.8b,4.7b
IDC VIII 29 09 43 12.9–.46 30.76N 83.47E 0 4.5b,4.5
ISCJB VIII 29 09 43 14.0–.14 30.78N–.02 83.31E–.02 10 4.7b,4.2s
NEIC VIII 29 09 43 15.1–.25 30.73N 83.39E 10 5.0b,4.2s
MOS VIII 29 09 43 16.8–1.2 30.75N 83.36E 33 5.0b,4.0s
NDI VIII 29 09 43 20.6–7.2 30.35N 83.26E 15–66 5.0b,5.0b
GCMT VIII 29 09 43 20.2–.30 30.58N 83.52E 18–1 4.9W,5.0b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=18.1km s-min=10.4km az=123.0.
IDC Error ellipse: s-maj=14.3km s-min=11.0km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=9.8.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.9km az=34.0.
MOS Error ellipse: s-maj=7.6km s-min=4.5km az=117.4.
NDI Error ellipse: s-maj=37.0km s-min=22.8km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s22,c27; s51,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.05±.16 $M_{\theta\theta}$-0.97±.12; $M_{\phi\phi}$3.02±.12; $M_{r\theta}$0.08±.31; $M_{\theta\phi}$-0.67±.08; $M_{\phi r}$-0.53±.23; Best double couple: NP1:ϕ_s171.00000°,δ39.00000°,λ-90.00000°. NP2:ϕ_s351.00000°,δ51.00000°,λ-90.00000°. Principal axes: T 3.1800,Plg6.0000° ,Azm81.0000°; N -1.0800,Plg0.0000°,Azm171.0000°; P -2.1000,Plg84.0000°,Azm263.0000° M_o2.60000×10^{16}

ISC VIII 29 10 13 33.7–.49 33.71N–.04 86.21E–.09 10 3.5b 25 6-73
ISCJB VIII 29 10 13 32.1–.49 33.76N–.04 86.40E–.09 10 3.5b ¶11377746
IDC VIII 29 10 13 33.6–1.1 33.94N 86.43E 0 3.9L,3.8
NEIC VIII 29 10 13 35.0–.52 33.92N 86.42E 10 3.9L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.0km az=1.3.
IDC Error ellipse: s-maj=32.9km s-min=18.3km az=58.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.9km az=54.0.
IDC VIII 29 11 30 14.0–5.0 30.52N 83.22E 0 4.1L,3.7
¶12581543
IDC Error ellipse: s-maj=183.7km s-min=26.7km az=68.0.
ISC VIII 29 16 14 56.9–2.5 30.75N–.05 83.34E–.04 16–15 3.5b,3.0s 33 3-77
NDI VIII 29 16 14 52.8–2.3 31.02N 83.67E 10–0 3.8b,3.8b ¶11909078
IDC VIII 29 16 14 53.7–.91 30.60N 83.26E 0 3.9,3.8b
NEIC VIII 29 16 14 55.5–.78 30.64N 83.17E 10 3.8b,3.8b
ISC Event type se.
NDI Error ellipse: s-maj=72.2km s-min=24.2km az=-1.0.
IDC Error ellipse: s-maj=27.2km s-min=16.6km az=55.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=10.7km az=49.0.
IDC VIII 29 18 21 12.9–4.6 30.66N 83.17E 0 3.4,3.1b
¶12581549
IDC Error ellipse: s-maj=182.4km s-min=28.3km az=65.0.
ISC VIII 30 02 09 57.0–1.1 31.00N–.02 83.45E–.03 1–7 4.2b,3.8s 139 3-100
NDI VIII 30 02 09 47.5–3.7 30.69N 83.99E 10–0 4.3b,4.2L ¶13392927
BJI VIII 30 02 09 50.4 30.35N 83.16E 15 4.3s,4.3b
DMN VIII 30 02 09 53.5–.36 31.43N 83.27E 10–0 4.7L,4.3b
IDC VIII 30 02 09 53.4–.68 30.59N 83.45E 0 4.1,4.0
NEIC VIII 30 02 09 55.6–.51 30.56N 83.31E 10 4.3b,4.0
MOS VIII 30 02 09 56.7–1.5 30.50N 83.27E 33 4.5b,4.0
ISCJB VIII 30 02 09 56.1–.99 30.95N–.02 83.37E–.03 7–6 4.1b,3.8s
ISC Event type ke.
DMN Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC VIII 30 16 12 57.7–.34 30.97N–.03 83.29E–.03 10 3.6b,3.1s 47 3-77
DMN VIII 30 16 12 52.5–.60 31.46N 83.23E 2–0 4.5L,3.1s ¶11377756
IDC VIII 30 16 12 53.9–.92 30.69N 83.22E 0 3.9,3.7
NEIC VIII 30 16 12 56.0–.55 30.76N 83.30E 10 3.5b,3.7
ISCJB VIII 30 16 12 56.3–.35 31.02N–.03 83.35E–.04 10 3.6b,3.0s
NDI VIII 30 16 12 59.9–3.7 30.58N 83.60E 10–0 3.5b,3.4L
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=14.1km s-min=8.1km az=125.0.
IDC Error ellipse: s-maj=31.1km s-min=17.2km az=60.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.2km az=224.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=138.5.
NDI Error ellipse: s-maj=47.6km s-min=30.9km az=-1.0.
ISC VIII 30 16 31 11.8–.68 30.68N–.10 83.09E–.09 10 3.4b 12 4-73
ISCJB VIII 30 16 31 10.1–.68 30.7N–.10 83.14E–.08 10 3.4b ¶11909122
IDC VIII 30 16 31 11.1–1.5 30.70N 83.38E 0 3.5,3.4s
NEIC VIII 30 16 31 12.0–.88 30.73N 83.13E 10 3.7b,3.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=9.6km az=20.6.
IDC Error ellipse: s-maj=51.1km s-min=19.0km az=64.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=11.5km az=223.0.
ISC VIII 30 16 43 24.9–.92 29.9N–.10 90.5E–.10 10 3.9b,2.8s 10 1-76
ISCJB VIII 30 16 43 22.9–.88 29.8N–.10 90.43E–.09 10 3.9b,2.8s ¶11653141
IDC VIII 30 16 43 22.3–1.6 29.70N 90.04E 0 4.1,3.9
BJI VIII 30 16 43 27.9 30.05N 90.67E 5 4.2b,4.2b
ISCJB Error ellipse: s-maj=16.6km s-min=7.7km az=30.0.
IDC Error ellipse: s-maj=64.1km s-min=17.6km az=69.0.
ISC VIII 30 21 20 24.7–.27 30.92N–.03 83.36E–.03 10 3.6b,3.5s 67 3-83
BJI VIII 30 21 20 18.0 30.11N 83.00E 18 4.5b,4.4s ¶11377757
IDC VIII 30 21 20 21.6–.80 30.73N 83.46E 0 3.9,3.8
DMN VIII 30 21 20 22.7–.52 31.38N 83.27E 60–0 4.7L,3.8
NEIC VIII 30 21 20 23.2–.57 30.73N 83.39E 10 3.6b,3.8
ISCJB VIII 30 21 20 23.1–.28 30.95N–.03 83.30E–.03 10 3.6b,3.5s
NDI VIII 30 21 20 24.5–4.8 30.65N 83.46E 15–146 3.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=15.0km az=51.0.
DMN Event type ke. Error ellipse: s-maj=12.2km s-min=7.0km az=127.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.5km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=21.7.
NDI Error ellipse: s-maj=58.8km s-min=124.9km az=-1.0.
ISC VIII 30 21 31 14.0–.83 30.77N–.02 83.46E–.02 14–5 4.4b,4.3s 260 2-150
ISCJB VIII 30 21 31 10.7–.80 30.80N–.02 83.42E–.02 3–5 4.4b,4.3s ¶13393006
NDI VIII 30 21 31 10.9–5.5 30.95N 83.64E 10–0 4.6L,4.6b
DMN VIII 30 21 31 10.4–.58 31.44N 83.22E 60–0 5.3L,4.6b
BJI VIII 30 21 31 11.6 30.85N 83.48E 8 4.8s,4.8b
IDC VIII 30 21 31 11.1–.50 30.75N 83.54E 0 4.3,4.3
NEIC VIII 30 21 31 12.9–.32 30.76N 83.44E 10 4.6b,4.3
MOS VIII 30 21 31 14.6–1.4 30.76N 83.44E 33 4.7b,4.3s
GCMT VIII 30 21 31 17.2–.20 30.73N 83.67E 22–1 5.0W,4.3s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=28.0.
NDI Error ellipse: s-maj=35.9km s-min=17.4km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=13.1km s-min=8.8km az=133.0.
IDC Error ellipse: s-maj=14.8km s-min=12.1km az=30.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.6km az=217.0.
MOS Error ellipse: s-maj=9.4km s-min=5.1km az=118.1.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s25,c32; s82,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}0.05±.16 $M_{\theta\theta}$-3.71±.12; $M_{\phi\phi}$3.66±.12; $M_{r\theta}$1.98±.23; $M_{\theta\phi}$-1.94±.09; $M_{\phi r}$0.38±.18; Best double couple: NP1:ϕ_s209.00000°,δ74.00000°,λ-15.00000°. NP2:ϕ_s303.00000°,δ76.00000°,λ-163.00000°. Principal axes: T 4.1400,Plg2.0000° ,Azm76.0000°; N 0.8500,Plg68.0000°,Azm341.0000°; P -4.9900,Plg22.0000°,Azm166.0000° M_ϕ4.60000×10^{16}
ISC VIII 30 21 48 46.2–.87 30.7N–.10 83.3E–.10 35 3.5b 14 7-77
IDC VIII 30 21 48 40.2–1.7 30.54N 83.25E 0 3.6,3.5b ¶11909138
NEIC VIII 30 21 48 42.8–.82 30.64N 83.28E 10 3.5b,3.5b
ISCJB VIII 30 21 48 43.8–.88 30.6N–.10 83.2E–.10 33 3.5b,3.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 31 02 37 33.9–4.1 30.5N–.10 83.1E–.10 21–33 3.9s,3.5b 13 4-77
ISCJB VIII 31 02 37 29.7–5.8 30.5N–.10 83.0E–.10 6–40 3.9s,3.5b ¶11909146
IDC VIII 31 02 37 30.9–1.7 30.52N 83.20E 0 3.9s,3.9
NEIC VIII 31 02 37 32.4–.73 30.53N 83.07E 10 3.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=12.6km az=37.0.
IDC Error ellipse: s-maj=54.3km s-min=20.9km az=60.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=8.9km az=217.0.
ISC VIII 31 07 39 32.4–.87 30.9N–.10 83.4E–.10 35 3.6b 8 5-77
IDC VIII 31 07 39 26.5–1.6 30.77N 83.29E 0 3.7,3.6b ¶12581594
ISCJB VIII 31 07 39 30.4–.88 30.9N–.10 83.4E–.10 33 3.6b,3.6b
IDC VIII 31 08 53 22.1–2.1 30.53N 83.12E 0 3.7,3.5L
¶12581595
IDC Error ellipse: s-maj=66.6km s-min=21.1km az=64.0.
ISC VIII 31 17 14 15.2–1.6 30.61N–.05 83.36E–.04 13–10 4.0b,3.2s 50 3-145
NDI VIII 31 17 14 08.5–3.1 30.82N 83.74E 10–0 3.7L,3.7b ¶13393068
BJI VIII 31 17 14 13.4 30.56N 83.13E 9 4.2b,4.1b
IDC VIII 31 17 14 13.0–.75 30.62N 83.38E 0 4.0,3.9
NEIC VIII 31 17 14 14.7–.56 30.59N 83.29E 10 3.7b,3.9
ISC Event type se.
NDI Error ellipse: s-maj=33.1km s-min=19.9km az=-1.0.
IDC Error ellipse: s-maj=23.4km s-min=15.3km az=45.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.5km az=224.0.
ISC IX 01 06 14 37.0–1.4 31.0N–.20 83.7E–.30 35 3.7b 9 16-77
IDC IX 01 06 14 31.2–2.0 30.85N 83.61E 0 3.8,3.7b ¶11909205
NEIC IX 01 06 14 33.0–1.1 30.91N 83.71E 10 3.5b,3.7b
ISCJB IX 01 06 14 34.7–1.4 30.9N–.20 83.7E–.30 33 3.7b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 01 11 24 03.4–1.2 30.93N–.03 83.49E–.03 7–8 4.3b,3.6s 120 3-150
DMN IX 01 11 23 58.0–.52 31.60N 83.17E 60–0 4.9L,3.6s ¶13393138
BJI IX 01 11 23 58.9 30.59N 83.33E 19 4.5b,4.4b
IDC IX 01 11 24 00.3–.55 30.73N 83.52E 0 4.3,4.3
NDI IX 01 11 24 00.4–8.4 31.08N 83.63E 12–74 4.6b,4.5b
ISCJB IX 01 11 24 01.3–1.3 30.94N–.03 83.40E–.03 4–9 4.3b,3.6s
NEIC IX 01 11 24 03.1–2.9 30.78N 83.47E 16–18 4.5b,3.6s
MOS IX 01 11 24 04.6–1.1 30.78N 83.56E 33 4.8b,3.6s
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=12.5km s-min=8.2km az=116.0.
IDC Error ellipse: s-maj=17.6km s-min=12.6km az=43.0.
NDI Error ellipse: s-maj=73.7km s-min=33.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=33.1.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.2km az=210.0.
MOS Error ellipse: s-maj=11.0km s-min=6.7km az=108.7.
ISC IX 02 03 59 02.8–1.7 31.02N–.09 83.6E–.10 51–24 3.4b 18 3-77
IDC IX 02 03 58 55.4–3.2 30.81N 83.24E 0 3.7,3.5b ¶11909256
NEIC IX 02 03 58 56.6–1.1 30.82N 83.16E 10 3.7b,3.5b
ISCJB IX 02 03 59 02.4–1.9 30.98N–.09 83.5E–.10 69–24 3.2b,3.5b
NDI IX 02 03 59 28.5–2.6 30.60N 82.38E 10–0 3.9b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=80.8km s-min=28.2km az=55.0.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=11.7km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=12.6km az=136.1.
NDI Error ellipse: s-maj=17.5km s-min=23.8km az=-1.0.
ISC IX 02 21 10 12.5–4.4 30.45N–.08 82.97E–.09 13–29 3.6b 25 7-77
IDC IX 02 21 10 11.0–2.5 30.48N 83.07E 0 3.5,3.4 ¶11909314
NEIC IX 02 21 10 12.0–.45 30.46N 82.97E 10 4.0b,3.4
ISCJB IX 02 21 10 13.4–.61 30.48N–.07 82.99E–.09 33 3.6b,3.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 02 21 11 41.4–.27 30.60N–.02 83.13E–.04 10 3.7b 76 2-77
BJI IX 02 21 11 29.2 29.56N 82.65E 10 4.4b,4.0s ¶11377794
NDI IX 02 21 11 33.3–4.6 31.42N 83.36E 10–0 4.2b,4.0b
DMN IX 02 21 11 36.8–.84 31.28N 83.08E 2–0 4.7L,4.0b
ISCJB IX 02 21 11 39.1–.28 30.54N–.03 83.13E–.04 10 3.7b,4.0b
IDC IX 02 21 11 39.3–.94 30.54N 83.26E 0 3.8,3.7
NEIC IX 02 21 11 40.6–.43 30.53N 83.17E 10 4.0b,3.7
ISC Event type ke.
NDI Error ellipse: s-maj=65.9km s-min=25.1km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=19.9km s-min=11.7km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=164.3.
IDC Error ellipse: s-maj=28.2km s-min=16.7km az=51.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.3km az=222.0.
IDC IX 02 21 11 51.9–.91 30.56N 83.31E 0 4.1,4.0b
¶15154903
IDC Error ellipse: s-maj=26.4km s-min=15.6km az=47.0.
ISC IX 02 21 19 45.8–.62 30.82N–.08 83.36E–.10 10 18 13-78
ISCJB IX 02 21 19 44.1–.62 30.83N–.08 83.31E–.10 10 ¶11909316
IDC IX 02 21 19 44.4–5.1 30.79N 83.36E 0 3.4L,3.4
NEIC IX 02 21 19 45.8–.41 30.82N 83.35E 10 3.6b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=8.4km az=141.0.
IDC Error ellipse: s-maj=114.7km s-min=30.8km az=60.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.6km az=51.0.
ISC IX 03 14 50 33.1–.52 30.72N–.06 82.83E–.06 10 3.4b 26 3-86
NDI IX 03 14 50 25.7–5.8 30.94N 83.38E 10–0 3.5L,3.5b ¶11909377
ISCJB IX 03 14 50 31.2–.52 30.66N–.06 82.82E–.06 10 3.4b,3.5b
IDC IX 03 14 50 31.2–1.5 30.63N 82.78E 0 3.8,3.6
NEIC IX 03 14 50 33.1–.86 30.72N 82.82E 10 3.5b,3.6
ISC Event type se.
NDI Error ellipse: s-maj=70.1km s-min=53.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.8km az=145.9.
IDC Error ellipse: s-maj=48.6km s-min=19.6km az=59.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=10.5km az=37.0.
ISC IX 04 15 52 11.0–2.1 30.80N–.04 83.41E–.04 4–14 4.0b,3.5s 71 3-145
BJI IX 04 15 52 03.1 29.99N 82.81E 12 4.6b,4.2s ¶11909469
ISCJB IX 04 15 52 09.2–2.1 30.80N–.04 83.35E–.04 5–14 4.0b,3.5s
IDC IX 04 15 52 10.0–.70 30.69N 83.46E 0 4.1,4.0
NEIC IX 04 15 52 11.2–3.7 30.78N 83.36E 7–23 4.2b,4.0
NDI IX 04 15 52 14.9–3.1 30.77N 83.12E 10–0 4.2b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=6.4km az=14.4.
IDC Error ellipse: s-maj=20.2km s-min=14.2km az=39.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.8km az=219.0.
NDI Error ellipse: s-maj=19.1km s-min=18.3km az=-1.0.
ISC IX 04 18 30 58.3–5.7 31.1N–.10 83.7E–.10 30–48 3.4b 9 5-70
IDC IX 04 18 30 53.4–1.8 30.94N 83.57E 0 3.6L,3.6 ¶11909476
ISCJB IX 04 18 30 57.3–2.8 31.0N–.10 83.6E–.20 42–34 3.4b,3.6
ISC IX 04 18 47 06.6–.48 30.76N–.06 83.48E–.05 10 3.3b 29 2-70
DMN IX 04 18 46 55.8–4.0 31.39N 83.26E 10–0 5.0b ¶11377820
IDC IX 04 18 47 01.4–2.9 30.53N 83.06E 0 3.4,3.3L
ISCJB IX 04 18 47 05.0–.48 30.80N–.05 83.49E–.05 10 3.3b,3.3L
NEIC IX 04 18 47 04.7–1.4 30.55N 83.30E 10 3.7b,3.3L
NDI IX 04 18 47 12.5–2.0 30.46N 83.30E 10–0 3.7b,3.6L
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=95.8km s-min=10.6km az=156.0.
IDC Error ellipse: s-maj=87.7km s-min=22.4km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.9km az=25.5.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=13.4km az=46.0.
NDI Error ellipse: s-maj=17.5km s-min=18.6km az=-1.0.
ISC IX 04 20 55 46.3–2.4 30.64N–.06 83.11E–.04 21–19 3.7b,3.3s 37 3-86
NDI IX 04 20 55 38.8–7.0 30.87N 83.55E 10–0 3.6L,3.6b ¶11909489
IDC IX 04 20 55 43.1–.88 30.66N 83.27E 0 3.9,3.8b
ISCJB IX 04 20 55 44.7–2.2 30.54N–.06 83.08E–.04 24–17 3.7b,3.3s
BJI IX 04 20 55 44.0 30.45N 82.97E 30 4.4b,3.9s
NEIC IX 04 20 55 44.5–6.8 30.74N 83.19E 6–43 3.6b,3.9s
ISC Event type se.
NDI Error ellipse: s-maj=40.1km s-min=48.4km az=-1.0.
IDC Error ellipse: s-maj=27.4km s-min=15.7km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.7km az=176.4.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=10.4km az=45.0.
ISC IX 05 05 52 14.2–.51 29.89N–.06 90.50E–.04 10 3.8b,3.1s 22 1-76
ISCJB IX 05 05 52 12.5–.51 29.89N–.06 90.47E–.04 10 3.8b,3.1s ¶11377825
IDC IX 05 05 52 12.0–1.7 29.76N 90.34E 0 4.0,3.9L
ISCJB Error ellipse: s-maj=9.2km s-min=5.4km az=5.9.
IDC Error ellipse: s-maj=66.9km s-min=19.6km az=71.0.
ISC IX 05 12 50 26.3–2.6 30.7N–.10 83.6E–.20 65–24 3.5b 16 7-85
IDC IX 05 12 50 17.4–.79 30.55N 83.63E 0 3.9,3.8b ¶11909527
NEIC IX 05 12 50 19.4–.78 30.63N 83.42E 10 3.9,3.8b
ISCJB IX 05 12 50 24.2–3.1 30.7N–.10 83.6E–.20 62–28 3.6b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 05 14 39 41.9–.45 30.72N–.07 83.16E–.06 10 3.8b 32 4-86
ISCJB IX 05 14 39 40.4–.45 30.74N–.07 83.21E–.06 10 3.8b ¶11909534
IDC IX 05 14 39 40.9–.77 30.81N 83.36E 0 4.0,3.9
NEIC IX 05 14 39 44.1–3.0 30.80N 83.26E 21–22 3.9b,3.9
BJI IX 05 14 39 52.1 31.15N 84.18E 20 4.0b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=7.3km az=13.0.
IDC Error ellipse: s-maj=28.6km s-min=15.6km az=52.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.7km az=220.0.
ISC IX 07 06 51 42.9–1.1 30.55N–.03 83.26E–.04 12–7 3.9b,3.3s 63 2-86
DMN IX 07 06 51 36.6–.40 31.44N 82.86E 60–0 4.6L,3.3s ¶13393660
BJI IX 07 06 51 40.9 30.37N 82.94E 30 4.0s,4.0b
IDC IX 07 06 51 40.5–.86 30.41N 83.19E 0 4.1,3.9
ISCJB IX 07 06 51 40.4–1.0 30.51N–.03 83.21E–.04 10–7 3.9b,3.3s
NEIC IX 07 06 51 42.3–.55 30.51N 83.13E 10 4.0b,3.3s

NDI IX 07 06 51 45.2–2.9 30.31N 83.24E 10–0 4.2b,4.0b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=10.7km s-min=6.8km az=106.0.
IDC Error ellipse: s-maj=26.0km s-min=15.7km az=43.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=137.3.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.2km az=222.0.
NDI Error ellipse: s-maj=14.7km s-min=14.5km az=-1.0.
ISC IX 07 09 27 32.4–2.6 30.9N–.10 83.6E–.20 64–40 6 3-70
IDC IX 07 09 27 22.4–4.5 30.44N 82.68E 0 4.3L,3.8 **¶11909718**
ISCJB IX 07 09 27 31.6–3.1 30.9N–.10 83.5E–.20 77–44 4.3L,3.8
ISC IX 07 19 46 57.9–.28 30.75N–.03 83.33E–.04 10 3.7b 67 2-150
BJI IX 07 19 46 55.9 30.47N 83.07E 23 4.6b,4.0b **¶13393715**
IDC IX 07 19 46 55.1–.65 30.61N 83.36E 0 4.0,3.9
NDI IX 07 19 46 55.5–4.0 31.06N 83.54E 10–0 3.8L,3.7b
NEIC IX 07 19 46 57.0–.43 30.60N 83.29E 10 3.7b,3.7b
ISCJB IX 07 19 46 56.4–.28 30.75N–.03 83.24E–.04 10 3.7b,3.7b
DMN IX 07 19 46 57.1–.50 30.93N 83.16E 10–0 4.5L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=15.2km az=42.0.
NDI Error ellipse: s-maj=49.1km s-min=22.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.2km az=223.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=140.1.
DMN Event type ke. Error ellipse: s-maj=11.8km s-min=6.8km az=123.0.
ISC IX 09 18 37 09.4–.53 30.77N–.07 83.44E–.07 10 3.4b 22 5-77
IDC IX 09 18 37 07.7–1.0 30.74N 83.31E 0 3.7,3.5 **¶11909894**
ISCJB IX 09 18 37 08.1–.54 30.78N–.07 83.54E–.07 10 3.4b,3.5
NEIC IX 09 18 37 08.9–.57 30.74N 83.17E 10 3.5b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=21.9km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.6km az=36.4.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.2km az=57.0.
IDC IX 09 20 48 02.0–4.7 30.74N 84.13E 0 3.5,3.4b
¶11909901
IDC Error ellipse: s-maj=135.0km s-min=37.9km az=84.0.
ISC IX 10 01 14 35.9–.77 30.90N–.02 83.58E–.02 31–5 4.9s,4.8b 380 3-151
DMN IX 10 01 14 28.9–.47 31.50N 83.31E 10–0 5.8L,4.8b **¶13393942**
IDC IX 10 01 14 29.9–.42 30.77N 83.63E 0 4.7s,4.7
BJI IX 10 01 14 30.5 30.78N 83.40E 19 5.2s,5.1b
NEIC IX 10 01 14 31.9–.19 30.78N 83.59E 10 5.0b,5.0s
MOS IX 10 01 14 33.9–1.1 30.78N 83.56E 33 5.0b,4.9s
NDI IX 10 01 14 33.0–7.4 30.92N 83.62E 15–66 5.1b,5.0b
ISCJB IX 10 01 14 34.3–.78 30.89N–.02 83.51E–.02 32–6 4.9s,4.8b
GCMT IX 10 01 14 38.3–.20 30.79N 83.71E 20–1 5.3W,4.8b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=10.7km s-min=6.3km az=133.0.
IDC Error ellipse: s-maj=14.0km s-min=10.8km az=34.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.7km az=49.0.
MOS Error ellipse: s-maj=8.6km s-min=4.2km az=120.2.
NDI Error ellipse: s-maj=45.3km s-min=28.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=28.2.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s56,c87; s97,c172; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.03 $M_{\theta\theta}$-0.81±.02; $M_{\phi\phi}$1.03±.03; $M_{r\theta}$0.28±.05; $M_{\theta\phi}$-0.66±.02; $M_{\phi r}$0.05±.04; Best double couple: NP1:ϕ_s206.00000°,δ77.00000°,λ-12.00000°. NP2:ϕ_s298.00000°,δ79.00000°,λ-166.00000°. Principal axes: T 1.2500,Plg1.0000° ,Azm72.0000°; N -0.1400,Plg72.0000°,Azm338.0000°; P -1.1100,Plg18.0000° ,Azm162.0000° $M_0$1.20000×10^{17}
ISC IX 10 01 16 49.1–2.0 30.76N–.06 83.45E–.06 26–14 4.6b 100 7-151
IDC IX 10 01 16 44.8–.51 30.72N 83.48E 0 4.6,4.5b **¶11909918**
ISCJB IX 10 01 16 45.8–2.1 30.73N–.06 83.40E–.06 15–15 4.6b,4.5b
NEIC IX 10 01 16 46.7–.29 30.76N 83.43E 10 4.8b,4.5b
MOS IX 10 01 16 48.6–.92 30.81N 83.46E 33 4.9b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=13.0km az=17.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.4km az=36.8.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.1km az=42.0.
MOS Error ellipse: s-maj=14.6km s-min=7.0km az=118.2.
ISC IX 10 01 28 10.0–.75 30.86N–.02 83.43E–.02 29–5 5.0b,5.0s 522 3-151
DMN IX 10 01 28 01.7–.40 31.51N 83.16E 10–0 5.6L,5.0s **¶13393944**
BJI IX 10 01 28 04.5 30.77N 83.41E 7 5.3s,5.3b
IDC IX 10 01 28 04.3–.44 30.75N 83.53E 0 4.9,4.8
NDI IX 10 01 28 06.3–5.0 30.89N 83.62E 7–96 5.1b,5.1b
NEIC IX 10 01 28 06.1–2.0 30.80N 83.40E 7–12 5.1b,5.1b
SZGRF IX 10 01 28 07.4 30.13N 83.42E 33 5.4s,5.0b
ISCJB IX 10 01 28 07.5–.76 30.83N–.02 83.36E–.02 25–5 5.0b,5.0s
MOS IX 10 01 28 08.5–1.1 30.78N 83.34E 33 5.2b,5.0s
GCMT IX 10 01 28 12.1–.20 30.69N 83.64E 20–0 5.4W,5.0s
DJA IX 10 01 28 14 30.53N 83.54E 50 5.2b,5.0s
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=8.1km s-min=7.7km az=20.0.
IDC Error ellipse: s-maj=14.9km s-min=11.1km az=38.0.
NDI Error ellipse: s-maj=64.4km s-min=65.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=213.0.
SZGRF Xizang.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=28.7.
MOS Error ellipse: s-maj=7.8km s-min=3.6km az=125.4.
GCMT Event type se. Data Used: IU II G CN IC. Surface waves from 103 sta. Moment Tensor Solution. s40,c45; s99,c198; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12±.04 $M_{\theta\theta}$-1.34±.03; $M_{\phi\phi}$1.46±.03; $M_{r\theta}$0.84±.07; $M_{\theta\phi}$-0.06±.02; $M_{\phi r}$0.10±.05; Best double couple: NP1: ϕ_s317.00000°,δ68.00000°,λ-163.00000°. NP2:ϕ_s221.00000°,δ74.00000°,λ-23.00000°. Principal axes: T 1.4700,Plg4.0000°,Azm270.0000°; N 0.3100,Plg63.0000°,Azm7.0000° ; P -1.7800,Plg27.0000°,Azm178.0000° $M_0$1.60000×10^{17}
ISC IX 10 03 23 38.6–6.3 31.0N–.10 83.7E–.10 19–43 3.4b 12 5-77
IDC IX 10 03 23 35.7–2.3 31.04N 83.75E 0 3.9L,3.7 **¶11909926**
ISCJB IX 10 03 23 37.2–4.5 31.0N–.10 83.7E–.10 23–37 3.4b,3.7
NEIC IX 10 03 23 37.3–.95 31.02N 83.71E 10 3.6b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=95.0km s-min=25.0km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=14.9km az=150.6.
NEIC Event type se. Error ellipse: s-maj=34.3km s-min=11.6km az=61.0.
IDC IX 10 04 04 02.4–5.8 30.68N 84.42E 0 3.5,3.4b
¶11909932
IDC Error ellipse: s-maj=111.5km s-min=71.2km az=46.0.
ISC IX 10 16 05 28.4–.20 30.82N–.03 83.42E–.03 10 4.3b,4.2s 162 2-86
NDI IX 10 16 05 21.7–2.6 30.82N 84.06E 10–0 4.4b,4.2L **¶13393992**
DMN IX 10 16 05 22.0–.76 31.36N 83.08E 10–0 4.6L,4.2L
BJI IX 10 16 05 24.8 30.67N 83.26E 11 4.8b,4.5s
IDC IX 10 16 05 25.5–.64 30.64N 83.47E 0 4.3,4.3
ISCJB IX 10 16 05 26.8–.20 30.81N–.03 83.37E–.03 10 4.3b,4.2s
NEIC IX 10 16 05 27.3–.50 30.69N 83.39E 10 4.4b,4.2s
MOS IX 10 16 05 29.3–1.1 30.77N 83.48E 33 4.7b,4.2s
ISC Event type ke.
NDI Error ellipse: s-maj=16.0km s-min=33.4km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=18.5km s-min=11.0km az=120.0.
IDC Error ellipse: s-maj=18.6km s-min=13.7km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=25.7.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.6km az=223.0.
MOS Error ellipse: s-maj=11.3km s-min=5.5km az=114.1.
ISC IX 11 04 52 24.1–.26 30.86N–.03 83.38E–.04 10 3.9b 61 3-150
DMN IX 11 04 52 18.4–.31 31.19N 82.98E 2–0 4.8L **¶11377893**
BJI IX 11 04 52 21.0 30.55N 83.13E 18 4.5b,4.2b
ISCJB IX 11 04 52 22.5–.27 30.88N–.03 83.33E–.04 10 3.9b,4.2b
IDC IX 11 04 52 22.3–.73 30.79N 83.53E 0 4.1,4.0b
NDI IX 11 04 52 23.6–2.2 30.79N 83.44E 10–0 3.9b,3.8L
NEIC IX 11 04 52 23.6–.51 30.83N 83.46E 10 3.9b,3.8L
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=7.3km s-min=4.4km az=114.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.1km az=154.9.
IDC Error ellipse: s-maj=23.0km s-min=14.7km az=41.0.
NDI Error ellipse: s-maj=37.4km s-min=15.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.7km az=51.0.
IDC IX 13 10 47 09.3–1.2 32.04N 85.34E 0 3.5,3.4b
¶11910177
IDC Error ellipse: s-maj=51.9km s-min=25.8km az=62.0.
ISC IX 14 08 01 38.9–2.8 30.57N–.08 83.08E–.06 20–24 3.8b 26 3-77
IDC IX 14 08 01 35.5–1.1 30.51N 83.16E 0 3.9,3.8b **¶11910244**
ISCJB IX 14 08 01 36.3–2.8 30.54N–.08 83.09E–.06 15–24 3.7b,3.8b
NDI IX 14 08 01 37.4–3.2 30.40N 83.14E 10–0 3.6b,3.4L
NEIC IX 14 08 01 37.2–.58 30.55N 83.05E 10 3.6b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=19.7km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=8.3km az=175.4.
NDI Error ellipse: s-maj=37.1km s-min=24.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.0km az=214.0.
ISC IX 15 15 49 13.0–.53 30.66N–.07 83.13E–.05 10 3.7b 24 3-77
ISCJB IX 15 15 49 11.4–.52 30.64N–.07 83.17E–.05 10 3.7b **¶11910340**
IDC IX 15 15 49 11.5–1.2 30.70N 83.27E 0 3.9s,3.9
NEIC IX 15 15 49 12.8–.70 30.63N 83.13E 10 3.7b,3.9
NDI IX 15 15 49 28.4–2.6 31.29N 82.22E 10–0 3.7b,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=5.8km az=165.9.
IDC Error ellipse: s-maj=47.4km s-min=21.1km az=59.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=8.4km az=50.0.
NDI Error ellipse: s-maj=28.1km s-min=31.5km az=-1.0.
ISC IX 15 17 09 54.4–1.1 30.91N–.03 83.45E–.03 24–9 4.1b,3.5s 73 3-145
BJI IX 15 17 09 43.7 30.09N 82.77E 21 4.2b,3.6s **¶11377927**
DMN IX 15 17 09 44.6–.66 31.59N 82.80E 60–0 4.6L,3.6s
IDC IX 15 17 09 49.8–.67 30.73N 83.37E 0 4.2,4.1
NEIC IX 15 17 09 51.6–.46 30.74N 83.27E 10 4.1b,4.1
NDI IX 15 17 09 54.6–3.3 31.10N 83.39E 10–0 4.1b,3.9L
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=15.0km s-min=10.4km az=128.0.
IDC Error ellipse: s-maj=20.6km s-min=14.9km az=49.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.5km az=216.0.
NDI Error ellipse: s-maj=48.9km s-min=34.4km az=-1.0.
IDC IX 15 22 57 34.1–4.8 30.88N 83.86E 0 3.7,3.6b
¶11910374
IDC Error ellipse: s-maj=139.8km s-min=38.4km az=84.0.
ISC IX 17 04 43 10.4–1.7 30.75N–.07 83.63E–.06 5–9 3.4b 21 3-77
IDC IX 17 04 43 10.2–1.9 30.79N 83.82E 0 3.8,3.6 **¶11910452**
NDI IX 17 04 43 11.1–3.7 31.00N 83.72E 10–0 3.5b,3.4L
NEIC IX 17 04 43 11.2–1.1 30.77N 83.62E 10 3.5b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=67.7km s-min=21.3km az=70.0.
NDI Error ellipse: s-maj=39.9km s-min=33.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=12.8km az=55.0.
IDC IX 19 12 54 04.1–8.9 31.70N 86.97E 0 3.5,3.4
¶11910623
IDC Error ellipse: s-maj=439.7km s-min=31.4km az=69.0.
ISC IX 19 13 32 28.0–1.3 30.79N–.10 83.4E–.10 53–15 3.5b 14 5-70
IDC IX 19 13 32 21.0–2.3 30.63N 83.32E 0 3.6,3.5 **¶11910624**
NEIC IX 19 13 32 22.2–1.3 30.68N 83.28E 10 3.7b,3.5
ISCJB IX 19 13 32 25.8–1.6 30.7N–.10 83.4E–.10 48–18 3.5b,3.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 19 19 46 58.1–.38 28.67N–.04 86.60E–.03 65–6 4.0b 86 1-78
BJI IX 19 19 46 49.5 28.39N 86.59E 15 4.5b,4.3b **¶13394732**
IDC IX 19 19 46 49.0–1.0 28.48N 86.50E 0 4.5L,4.1
NDI IX 19 19 46 56.7–2.8 28.45N 86.42E 10–0 4.0L,4.0b
DMN IX 19 19 46 56.8–.00 28.71N 86.66E 60–0 4.0L,4.0b
ISCJB IX 19 19 46 57.5–.41 28.59N–.05 86.56E–.03 87–6 4.0b,4.0b
NEIC IX 19 19 46 57.9–.52 28.58N 86.67E 69–8 4.0b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=38.0km s-min=16.7km az=54.0.
NDI Error ellipse: s-maj=10.1km s-min=7.1km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.2km az=21.2.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=206.0.
ISC IX 20 00 06 04.7–1.4 31.2N–.20 83.9E–.20 10 3.7b 11 6-77
ISCJB IX 20 00 06 02.6–1.4 31.1N–.20 83.7E–.20 10 3.7b **¶11910672**
IDC IX 20 00 06 02.9–2.2 31.11N 83.90E 0 3.8,3.6b
NEIC IX 20 00 06 04.7–1.4 31.15N 83.75E 10 4.1b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.9km s-min=13.3km az=138.8.
IDC Error ellipse: s-maj=52.7km s-min=29.8km az=47.0.
NEIC Event type se. Error ellipse: s-maj=33.4km s-min=12.6km az=47.0.
ISC IX 20 04 11 53.7–.57 30.86N–.05 83.53E–.04 55–9 3.8b,3.0s 43 3-77
DMN IX 20 04 11 40.7–3.1 31.72N 83.38E 33–0 5.3b,3.0s **¶13394757**
IDC IX 20 04 11 46.1–.95 30.74N 83.48E 0 4.0,3.9
NDI IX 20 04 11 47.4–2.8 31.46N 83.57E 10–0 4.2b,4.0L
NEIC IX 20 04 11 49.2–.34 30.99N 83.52E 10 4.2b,4.0L
ISCJB IX 20 04 11 52.7–.70 30.82N–.06 83.48E–.05 63–10 3.8b,4.0L
ISC Event type ke.
DMN Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC IX 21 06 35 07.2–2.3 29.88N–.07 90.6E–.10 5–16 3.9b 18 1-151
ISCJB IX 21 06 35 06.6–1.9 29.88N–.07 90.6E–.10 13–13 3.9b **¶11910749**
IDC IX 21 06 35 07.0–.96 30.02N 90.60E 0 4.0,3.9
NEIC IX 21 06 35 07.7–.68 29.87N 90.61E 10 3.6b,3.9
BJI IX 21 06 35 12.2 30.19N 90.81E 6 4.2b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=7.5km az=152.1.
IDC Error ellipse: s-maj=30.8km s-min=21.6km az=55.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=8.6km az=225.0.
ISC IX 24 04 31 10.0–4.9 35.7N–.10 88.3E–.10 28–40 3.5b 13 12-73
IDC IX 24 04 31 05.8–1.1 35.60N 88.16E 0 3.8,3.6L **¶11910919**
ISCJB IX 24 04 31 07.8–5.3 35.7N–.10 88.2E–.10 28–42 3.5b,3.6L
BJI IX 24 04 31 07.3 35.85N 88.16E 10 4.4b,4.1s
NEIC IX 24 04 31 08.2–.86 35.74N 88.28E 10 3.7b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=47.5km s-min=17.3km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=15.4km az=43.7.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=11.3km az=47.0.
ISC IX 25 01 47 12.2–.10 30.84N–.01 83.59E–.01 10 5.8s,5.4b 942 2-157
DMN IX 25 01 46 58.8–.35 31.90N 83.16E 2–0 6.3L,5.4b **¶13395135**
BGS IX 25 01 47 04.1–1.7 28.40N 82.06E 10–0 6.0s,5.2b
LDG IX 25 01 47 09.9–.24 30.99N 83.11E 10–0 5.5s,5.2b
IDC IX 25 01 47 09.8–.40 30.74N 83.59E 0 5.7,5.7s
ISCJB IX 25 01 47 10.6–.10 30.87N–.01 83.57E–.02 10 5.8s,5.4b
NEIC IX 25 01 47 11.2–.18 30.84N 83.49E 4 6.0,5.9W
BJI IX 25 01 47 12.5 31.05N 83.77E 14 6.2s,6.0
TEH IX 25 01 47 13.0 30.93N 83.45E 10 6.2s,6.0
MOS IX 25 01 47 14.3–1.1 30.91N 83.52E 33 5.8s,5.6b
DJA IX 25 01 47 14 30.97N 83.64E 10 5.4b,5.6b
GCMT IX 25 01 47 17.9–.10 30.66N 83.69E 21–0 6.0W,5.6b
NDI IX 25 01 47 20.3–3.4 30.06N 83.23E 10–0 5.7b,5.6b
SZGRF IX 25 01 47 25.2 31.79N 83.44E 33 6.2s,5.5b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=7.4km s-min=6.4km az=115.0.
BGS Error ellipse: s-maj=582.8km s-min=668.4km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=11.1km s-min=5.7km az=114.0.
IDC Error ellipse: s-maj=13.2km s-min=10.2km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=26.5.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.7km az=41.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s100.00000°,δ85.00000° ,λ150.00000°. NP2:ϕ_s193.00000°,δ60.00000°,λ6.00000°. Principal axes: T Plg24.0000° ,Azm52.0000°; N Plg0.0000°,Azm0.0000°; P Plg17.0000°,Azm150.0000° Moment Tensor Solution. s72 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.60 $M_{\theta\theta}$-3.94 $M_{\phi\phi}$4.54 $M_{r\theta}$1.36 $M_{\theta\phi}$-3.18 $M_{\phi r}$-0.43 Best double couple: NP1:ϕ_s297.00000°,δ86.00000°,λ-165.00000°. NP2: ϕ_s206.00000°,δ75.00000°,λ-5.00000°. Principal axes: T 5.7100,Plg7.0000°,Azm70.0000° ; N -0.4200,Plg73.0000°,Azm312.0000°; P -5.2900,Plg14.0000°,Azm162.0000°

$M_0$5.50000×10^{17}
MOS Error ellipse: s-maj=7.0km s-min=3.7km az=119.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=124, comp=274, per= 50. Moment Tensor Solution. s103,c207; s76,c106; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.27±.01 $M_{\theta\theta}$-0.77±.01; $M_{\phi\phi}$1.04±.01; $M_{r\theta}$0.26±.02; $M_{\theta\phi}$-0.53±.01; $M_{\phi r}$0.04±.02; Best double couple: NP1:ϕ_s208.00000°,δ75.00000°,λ-13.00000°. NP2:ϕ_s302.00000°,δ77.00000°,λ-165.00000°. Principal axes: T 1.1800,Plg1.0000°,Azm75.0000°; N -0.1800,Plg70.0000°,Azm341.0000° ; P -1.0100,Plg20.0000°,Azm165.0000° $M_0$1.10000×10^{18}
NDI Error ellipse: s-maj=15.7km s-min=12.5km az=-1.0.
SZGRF Xizang.

ISC	**IX**	**25 01 56 03.7–.80**	**30.77N–.06**	**83.49E–.08**	**54–11**	**3.9b**	**33**	**2-77**	
IDC	IX	25 01 55 55.5–.83	30.35N	83.23E	0	4.1,4.0L			**¶13395136**
DMN	IX	25 01 55 59.2–.64	31.02N	83.44E	10–0	4.6L,4.0L			
NEIC	IX	25 01 55 59.8–.41	30.79N	83.40E	10	4.3b,4.0L			
ISCJB	IX	25 01 56 01.9–.97	30.81N–.06	83.53E–.09	57–12	3.9b,4.0L			

ISC Event type ke.
DMN Event type ke.
NEIC Event type se.
ISCJB Event type ke.

ISC	**IX**	**25 02 03 35.1–5.6**	**30.8N–.10**	**84.3E–.10**	**13–36**	**3.4b**	**8**	**4-77**	
IDC	IX	25 02 03 29.2–3.3	30.60N	83.04E	0	3.8,3.5b			**¶11910979**
ISCJB	IX	25 02 03 34.8–5.4	30.8N–.10	84.3E–.20	23–41	3.4b,3.5b			
ISC	**IX**	**25 04 05 53.1–.74**	**30.84N–.10**	**84.00E–.08**	**10**	**3.4b**	**16**	**4-77**	
NDI	IX	25 04 05 16.6–2.3	26.51N	86.30E	10–0	3.3L			**¶13860607**
ISCJB	IX	25 04 05 51.5–.75	30.8N–.10	84.02E–.07	10	3.4b			
IDC	IX	25 04 05 51.1–2.8	30.79N	83.92E	0	3.7,3.5			

NDI Error ellipse: s-maj=30.0km s-min=19.6km az=-1.0.
ISCJB Error ellipse: s-maj=15.9km s-min=6.2km az=153.0.
IDC Error ellipse: s-maj=94.0km s-min=24.1km az=78.0.

ISC	**IX**	**25 05 09 52.0–.86**	**30.68N–.09**	**83.82E–.07**	**10**	**3.5b**	**14**	**3-77**	
ISCJB	IX	25 05 09 50.2–.85	30.61N–.10	83.84E–.07	10	3.5b			**¶11910989**
IDC	IX	25 05 09 50.7–3.2	30.63N	84.01E	0	3.8,3.6			
NDI	IX	25 05 10 06.0–2.5	29.94N	83.68E	10–0	2.7L,3.6			

ISCJB Error ellipse: s-maj=14.8km s-min=6.1km az=156.5.
IDC Error ellipse: s-maj=108.5km s-min=30.7km az=75.0.
NDI Error ellipse: s-maj=24.4km s-min=38.6km az=-1.0.

ISC	**IX**	**25 05 31 37.6–.65**	**30.99N–.07**	**83.56E–.05**	**10**	**3.4b,3.1s**	**17**	**3-70**	
IDC	IX	25 05 31 34.7–1.6	30.73N	83.83E	0	3.6,3.5			**¶11910990**
ISCJB	IX	25 05 31 35.9–.65	30.89N–.08	83.58E–.05	10	3.4b,3.1s			
NEIC	IX	25 05 31 37.8–1.1	30.97N	83.60E	10	3.8b,3.1s			
NDI	IX	25 05 31 43.4–1.6	31.15N	83.47E	10–0	4.0b,3.8b			

ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=30.8km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=6.0km az=166.4.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=11.9km az=223.0.
NDI Error ellipse: s-maj=44.0km s-min=16.8km az=-1.0.

ISC	**IX**	**25 06 46 48.4–.77**	**30.71N–.10**	**83.52E–.05**	**10**	**3.7s,3.4b**	**15**	**3-83**	
IDC	IX	25 06 46 44.9–3.2	30.66N	83.16E	0	3.9L,3.8			**¶11910998**
ISCJB	IX	25 06 46 45.6–.75	30.74N–.09	83.41E–.05	10	3.7s,3.5b			
NDI	IX	25 06 47 35.9–2.8	29.93N	82.10E	10–0	2.5L,3.5b			

IDC Error ellipse: s-maj=97.3km s-min=29.0km az=73.0.
ISCJB Error ellipse: s-maj=12.8km s-min=6.0km az=172.0.
NDI Error ellipse: s-maj=20.2km s-min=33.2km az=-1.0.

ISC	**IX**	**25 08 49 16.0–1.6**	**30.83N–.05**	**83.55E–.05**	**16–10**	**3.6b,3.2s**	**32**	**3-77**	
IDC	IX	25 08 49 12.7–1.3	30.73N	83.85E	0	3.9,3.8			**¶11911005**
NEIC	IX	25 08 49 14.9–1.1	30.84N	83.43E	10	3.6b,3.8			
NDI	IX	25 08 49 22.5–2.1	30.78N	83.42E	10–0	3.3b,3.1L			

ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=24.4km az=47.0.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=11.4km az=215.0.
NDI Error ellipse: s-maj=22.0km s-min=8.8km az=-1.0.

ISC	**IX**	**25 11 19 04.3–1.8**	**30.86N–.03**	**83.49E–.04**	**0–13**	**4.0b,3.3s**	**48**	**3-81**	
BJI	IX	25 11 18 53.9	30.05N	83.03E	10	4.0b,3.8s			**¶11377998**
DMN	IX	25 11 18 59.2–.33	31.41N	83.31E	10–0	4.6L,3.8s			
IDC	IX	25 11 19 01.2–.81	30.58N	83.73E	0	4.1,4.0L			
NDI	IX	25 11 19 05.0–2.9	30.95N	83.60E	10–0	4.3b,4.1b			
NEIC	IX	25 11 19 05.3–.34	30.82N	83.51E	10	4.1b,4.1b			

ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=7.5km s-min=5.5km az=121.0.
IDC Error ellipse: s-maj=27.4km s-min=17.0km az=51.0.
NDI Error ellipse: s-maj=27.6km s-min=13.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=4.3km az=65.0.

IDC	**IX**	**25 12 40 26.1–4.5**	**30.78N**	**84.14E**	**0**	**3.7,3.5L**			
									¶11911010

IDC Error ellipse: s-maj=131.4km s-min=36.3km az=85.0.

ISC	**IX**	**25 16 26 10.4–.53**	**30.63N–.06**	**83.49E–.05**	**10**	**3.4b**	**18**	**3-77**	
IDC	IX	25 16 26 07.8–3.0	30.54N	83.67E	0	3.7,3.5b			**¶11911022**
ISCJB	IX	25 16 26 08.1–.53	30.58N–.06	83.48E–.05	10	3.4b,3.5b			
NEIC	IX	25 16 26 13.9–1.3	30.60N	83.43E	46–14	3.5b,3.5b			

ISC Event type se.
IDC Error ellipse: s-maj=104.9km s-min=26.6km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.6km az=174.8.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=9.5km az=224.0.

ISC	**IX**	**25 16 46 14.2–1.1**	**30.7N–.10**	**83.63E–.08**	**93–13**	**3.2b**	**17**	**3-77**	
IDC	IX	25 16 46 02.1–1.7	30.43N	83.42E	0	3.7,3.5			**¶11911024**
NEIC	IX	25 16 46 05.5–2.1	30.36N	83.04E	35–17	3.9b,3.5			
ISCJB	IX	25 16 46 12.8–1.2	30.6N–.10	83.67E–.08	99–14	3.2b,3.5			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**IX**	**25 20 17 28.8–.97**	**30.85N–.03**	**83.59E–.03**	**34–8**	**4.4b,4.1s**	**159**	**2-151**	
DMN	IX	25 20 17 20.5–.48	31.47N	83.23E	10–0	5.1L,4.1s			**¶13395203**
IDC	IX	25 20 17 22.5–.57	30.66N	83.52E	0	4.3,4.3			
BJI	IX	25 20 17 23.9	30.85N	83.58E	17	4.8s,4.7b			
NEIC	IX	25 20 17 25.6–.31	30.88N	83.48E	10	4.6b,4.7b			
MOS	IX	25 20 17 26.5–1.4	30.81N	83.49E	33	4.7b,4.7b			
NDI	IX	25 20 17 27.5–3.4	30.66N	83.54E	10–0	4.8b,4.6b			
ISCJB	IX	25 20 17 28.2–.45	30.82N–.03	83.52E–.03	50–6	4.4b,4.1s			
GCMT	IX	25 20 17 30.2–.30	30.72N	83.71E	23–1	4.9W,4.1s			

ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=11.1km s-min=6.8km az=132.0.
IDC Error ellipse: s-maj=18.6km s-min=13.1km az=39.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.8km az=61.0.
MOS Error ellipse: s-maj=11.0km s-min=5.9km az=111.2.
NDI Error ellipse: s-maj=19.4km s-min=17.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=23.5.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s21,c27; s60,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.76±.12 $M_{\theta\theta}$-1.56±.09; $M_{\phi\phi}$2.32±.10; $M_{r\theta}$1.05±.17; $M_{\theta\phi}$-1.49±.08; $M_{\phi r}$-0.40±.14; Best double couple: NP1:ϕ_s204.00000°,δ62.00000°,λ-12.00000°. NP2:ϕ_s300.00000°,δ79.00000°,λ-152.00000°. Principal axes: T 2.9700,Plg11.0000° ,Azm69.0000°; N -0.4500,Plg60.0000°,Azm319.0000°; P -2.5200,Plg27.0000° ,Azm165.0000° $M_0$2.70000×10^{16}

ISC	**IX**	**25 21 32 51.9–3.5**	**30.65N–.09**	**83.08E–.07**	**6–22**	**3.3b**	**20**	**7-77**	
IDC	IX	25 21 32 51.1–2.8	30.66N	83.07E	0	3.6,3.5L			**¶11911045**
NEIC	IX	25 21 32 52.5–.42	30.69N	83.11E	10	3.3b,3.5L			

ISC Event type se.
IDC Error ellipse: s-maj=91.5km s-min=24.7km az=76.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.9km az=42.0.

ISC	**IX**	**26 14 29 10.2–.70**	**31.36N–.08**	**83.82E–.06**	**35**	**3.4s,3.4b**	**15**	**4-70**	
IDC	IX	26 14 28 59.8–3.3	30.73N	83.49E	0	3.6,3.6L			**¶11911091**
NEIC	IX	26 14 29 00.6–.91	30.74N	83.44E	10	3.8b,3.6L			
ISCJB	IX	26 14 29 08.3–.66	31.30N–.08	83.86E–.06	33	3.4s,3.4b			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

IDC	**IX**	**28 06 40 20.5–2.6**	**30.11N**	**82.08E**	**0**	**3.9,3.7b**			
									¶11911254

IDC Error ellipse: s-maj=82.3km s-min=23.2km az=74.0.

ISC	**IX**	**28 15 49 25.3–.57**	**30.79N–.05**	**83.11E–.05**	**10**	**3.4b,3.0s**	**24**	**3-70**	
NDI	IX	28 15 49 20.6–2.2	30.91N	83.46E	10–0	3.6b,3.3L			**¶11911277**
IDC	IX	28 15 49 22.8–3.0	30.71N	83.15E	0	3.6,3.5b			
ISCJB	IX	28 15 49 23.1–.56	30.73N–.06	83.11E–.05	10	3.4b,3.0s			
NEIC	IX	28 15 49 27.1–7.1	30.75N	83.14E	27–53	3.6b,3.0s			

ISC Event type se.
NDI Error ellipse: s-maj=23.5km s-min=21.7km az=-1.0.
IDC Error ellipse: s-maj=118.6km s-min=23.5km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.5km az=159.1.
NEIC Event type se. Error ellipse: s-maj=39.3km s-min=11.0km az=48.0.

ISC	**IX**	**28 20 52 43.3–.56**	**30.57N–.07**	**83.39E–.06**	**10**	**3.6b**	**20**	**3-77**	
ISCJB	IX	28 20 52 41.8–.51	30.54N–.07	83.46E–.05	10	3.6b			**¶11911297**
IDC	IX	28 20 52 41.5–1.4	30.50N	83.64E	0	3.8,3.7b			
NEIC	IX	28 20 52 42.8–.87	30.52N	83.36E	10	3.7b,3.7b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.9km az=175.0.
IDC Error ellipse: s-maj=52.4km s-min=21.4km az=68.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=11.4km az=48.0.

BJI	**IX**	**30 07 55 57.6**	**30.39N**	**97.05E**	**10**	**3.5L**			
									¶12608905

ISC	**X**	**01 06 38 59.7–.64**	**31.03N–.07**	**83.98E–.08**	**35**	**3.4b**	**19**	**4-77**	
IDC	X	01 06 38 50.8–3.1	30.68N	83.26E	0	4.6L,3.9			**¶11911534**
NEIC	X	01 06 38 52.8–1.3	30.68N	83.22E	10	3.6b,3.9			
ISCJB	X	01 06 38 57.9–.64	31.03N–.07	83.97E–.07	33	3.4b,3.9			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

IDC	**X**	**02 12 20 34.5–5.1**	**30.49N**	**83.35E**	**0**	**3.5,3.3b**			
									¶11911709

IDC Error ellipse: s-maj=144.1km s-min=37.6km az=85.0.

ISC	**X**	**05 01 12 02.3–2.7**	**30.68N–.09**	**83.3E–.10**	**17–19**	**3.6b**	**23**	**3-77**	
IDC	X	05 01 11 59.4–.87	30.56N	83.26E	0	3.8,3.7s			**¶12065953**
NEIC	X	05 01 12 01.1–.67	30.66N	83.28E	10	4.0b,3.7s			

ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=19.2km az=51.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=11.3km az=62.0.

ISC	**X**	**05 01 14 00.7–.52**	**30.71N–.07**	**83.26E–.09**	**35**	**3.7b**	**33**	**7-145**	
IDC	X	05 01 13 55.7–.75	30.74N	83.30E	0	3.9,3.7b			**¶12065954**
NEIC	X	05 01 13 57.4–.50	30.74N	83.22E	10	4.3b,3.7b			
ISCJB	X	05 01 13 58.3–.49	30.65N–.07	83.25E–.09	33	3.7b,3.7b			

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**X**	**05 02 09 21.8–8.5**	**30.6N–.20**	**83.9E–.10**	**14–55**	**3.1b**	**5**	**3-70**	
IDC	X	05 02 09 19.6–4.8	30.50N	83.98E	0	3.5,3.4L			**¶12065961**

IDC Error ellipse: s-maj=139.8km s-min=36.8km az=84.0.

IDC	**X**	**05 18 06 09.1–2.9**	**30.75N**	**83.19E**	**0**	**3.7,3.5b**			
									¶12066046

IDC Error ellipse: s-maj=102.9km s-min=25.0km az=77.0.

ISC	**X**	**06 02 22 00.6–1.0**	**29.61N–.04**	**90.59E–.06**	**17–8**	**3.7b**	**29**	**0-76**	
IDC	X	06 02 21 57.8–1.3	29.68N	90.60E	0	3.9,3.7b			**¶12066087**
ISCJB	X	06 02 21 59.8–1.1	29.71N–.09	90.52E–.06	25–10	3.7b,3.7b			
NEIC	X	06 02 21 59.8–.57	29.75N	90.54E	10	3.7b,3.7b			

ISC Event type se.
IDC Error ellipse: s-maj=46.1km s-min=24.1km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=8.5km az=168.5.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.2km az=176.0.

ISC	**X**	**06 08 30 45.0–.45**	**29.84N–.01**	**90.38E–.01**	**6–2**	**6.2s,6.0b**	**1846**	**1-163**	
BGS	X	06 08 30 36.0–1.9	27.98N	90.55E	12–0	6.3s,5.9b			**¶13396168**
DMN	X	06 08 30 41.2–.35	30.24N	90.82E	10–0	6.2L,5.9b			
IDC	X	06 08 30 43.5–.31	29.76N	90.36E	0	6.1,6.1s			
ISCJB	X	06 08 30 43.5–.07	29.83N–.01	90.36E–.01	8	6.2s,6.0b			
BJI	X	06 08 30 43.7	29.81N	90.35E	11	6.8L,6.7s			
MOS	X	06 08 30 44.5–1.2	29.76N	90.36E	19	6.2b,6.1s			
SZGRF	X	06 08 30 44.8	29.42N	90.96E	33	6.3b,6.2s			
LDG	X	06 08 30 44.0–.38	30.13N	90.13E	10–0	6.2b,6.0s			
NEIC	X	06 08 30 45.6–.10	29.81N	90.35E	12	6.3W,6.2s			
DJA	X	06 08 30 47	29.70N	90.34E	10	6.7W,6.2s			
TEH	X	06 08 30 49.0	29.76N	90.41E	27	6.7W,6.2s			
GCMT	X	06 08 30 52.3–.10	29.66N	90.50E	12	6.3W,6.2s			

ISC Event type de.
BGS Error ellipse: s-maj=379.2km s-min=414.4km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=8.5km s-min=6.7km az=151.0.
IDC Error ellipse: s-maj=11.9km s-min=7.8km az=59.0.
ISCJB Event type de. Error ellipse: s-maj=2.1km s-min=1.4km az=26.0.
MOS Error ellipse: s-maj=5.5km s-min=2.8km az=126.2.
SZGRF Xizang.
LDG Event type ke. Error ellipse: s-maj=17.3km s-min=4.9km az=134.0.
NEIC Event type de. Error ellipse: s-maj=3.4km s-min=2.4km az=207.0. Ten people killed, at least 25 injured and many structures damaged in Damxung, Doilungdeqen and Nyemo. Felt [IV] at Lhasa. Also felt at Thimphu, Bhutan. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s108 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.66 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$1.74 $M_{r\theta}$-0.36 $M_{\theta\phi}$0.71 $M_{\phi r}$0.27 Best double couple: NP1:ϕ_s35.00000°,δ45.00000°,λ-67.00000°. NP2:ϕ_s184.00000° ,δ49.00000°,λ-111.00000°. Principal axes: T 1.9900,Plg2.0000°,Azm288.0000° ; N -0.2000,Plg16.0000°,Azm197.0000°; P -1.7900,Plg73.0000°,Azm26.0000° $M_0$1.90000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=119, comp=272, per= 50. Moment Tensor Solution. s113,c255; s94,c177; Moment tensor: Scale 10^{18}Nm; M_{rr}-2.76±.02 $M_{\theta\theta}$-0.65±.02; $M_{\phi\phi}$3.41±.02; $M_{r\theta}$-0.68±.06; $M_{\theta\phi}$1.83±.02; $M_{\phi r}$0.59±.05; Best double couple: NP1:ϕ_s44.00000°,δ48.00000°,λ-55.00000°. NP2:ϕ_s178.00000°,δ53.00000°,λ-122.00000°. Principal axes: T 4.1300,Plg3.0000°,Azm291.0000°; N -0.9600,Plg25.0000°,Azm199.0000° ; P -3.1700,Plg65.0000°,Azm26.0000° $M_0$3.70000×10^{18}

ISC	**X**	**06 08 38 48.2–.55**	**29.67N–.08**	**90.46E–.06**	**10**	**4.4b**	**30**	**1-151**	
ISCJB	X	06 08 38 46.2–.54	29.62N–.08	90.42E–.06	10	4.4b			**¶12066108**
IDC	X	06 08 38 46.2–.67	29.59N	90.21E	0	4.6,4.4b			
NEIC	X	06 08 38 47.8–.50	29.64N	90.40E	10	4.8b,4.4b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=7.0km az=8.6.
IDC Error ellipse: s-maj=24.1km s-min=17.3km az=58.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.6km az=221.0.

ISC	**X**	**06 08 43 49.5–.59**	**29.8N–.10**	**90.48E–.07**	**10**	**4.0b**	**26**	**1-151**	
ISCJB	X	06 08 43 47.5–.59	29.7N–.10	90.43E–.06	10	4.0b			**¶13396171**
IDC	X	06 08 43 47.6–.79	29.69N	90.33E	0	4.2,4.0L			
NEIC	X	06 08 43 49.2–.48	29.75N	90.44E	10	4.6b,4.0L			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=7.0km az=13.1.
IDC Error ellipse: s-maj=34.2km s-min=18.5km az=46.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.7km az=212.0.

ISC	**X**	**06 08 45 05.4–1.3**	**29.67N–.04**	**90.29E–.03**	**9–8**	**5.5s,4.7b**	**317**	**1-161**	
ISCJB	X	06 08 45 03.9–.20	29.67N–.03	90.24E–.03	10	5.5s,4.7b			**¶13396172**
IDC	X	06 08 45 03.6–.52	29.56N	90.21E	0	4.7,4.7			
MOS	X	06 08 45 05.5–1.0	29.53N	90.15E	25	5.1b,4.7			
NEIC	X	06 08 45 05.5–.25	29.77N	90.44E	10	4.7b,4.7			
LDG	X	06 08 45 06.0–.31	30.14N	89.97E	10–0	5.1b,4.7			
BJI	X	06 08 45 06.1	29.74N	90.24E	10	5.4s,5.4b			
DMN	X	06 08 45 08.4–.45	30.31N	90.32E	10–0	4.8L,5.4b			
SZGRF	X	06 08 45 10.1	28.80N	89.41E	33	4.8b,5.4b			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=7.2.
IDC Error ellipse: s-maj=17.2km s-min=12.3km az=43.0.
MOS Error ellipse: s-maj=10.0km s-min=5.7km az=120.8.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.4km az=18.0.
LDG Event type ke. Error ellipse: s-maj=14.3km s-min=5.9km az=124.0.
DMN Event type ke. Error ellipse: s-maj=10.8km s-min=8.4km az=175.0.
SZGRF Xizang.

ISC	**X**	**06 08 45 11.1–.24**	**29.82N–.03**	**90.38E–.05**	**10**	**5.0b**	**110**	**1-115**	
ISCJB	X	06 08 45 09.4–.24	29.83N–.03	90.37E–.05	10	5.0b			**¶13396173**
NEIC	X	06 08 45 10.8–.25	29.75N	90.46E	10	5.0b			
DJA	X	06 08 45 19	29.90N	90.24E	81	5.0b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=12.9.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.7km az=64.0.

ISC	**X**	**06 08 51 49.8–4.0**	**29.4N–.20**	**90.5E–.20**	**8–23**	**3.7b**	**14**	**1-76**	

ISCJB X 06 08 51 48.8–3.5 29.4N–.20 90.5E–.20 14–20 3.7b ¶13396174
IDC X 06 08 51 48.2–1.5 29.34N 90.41E 0 4.0,3.7
NEIC X 06 08 51 50.0–.96 29.36N 90.50E 10 4.0,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.7km s-min=19.7km az=33.8.
IDC Error ellipse: s-maj=57.4km s-min=27.4km az=69.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=15.9km az=136.0.
ISC X 06 08 54 47.6–3.2 29.7N–.10 90.6E–.20 11–20 3.6b 20 0-67
IDC X 06 08 54 45.8–1.2 29.67N 90.58E 0 3.9,3.7L ¶12066110
ISCJB X 06 08 54 46.9–2.8 29.6N–.10 90.6E–.20 21–20 3.6b,3.7L
NEIC X 06 08 54 47.5–.60 29.71N 90.63E 10 3.6b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=47.9km s-min=19.2km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=28.4km s-min=12.4km az=144.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=7.3km az=45.0.
ISC X 06 08 56 07.1–.98 29.7N–.10 90.53E–.08 10 3.8b 13 1-76
ISCJB X 06 08 56 04.9–.95 29.7N–.10 90.46E–.08 10 3.8b ¶12066111
IDC X 06 08 56 05.1–2.4 29.68N 90.41E 0 4.0,3.8b
NEIC X 06 08 56 07.2–.87 29.72N 90.57E 10 4.0b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=9.3km az=7.1.
IDC Error ellipse: s-maj=86.9km s-min=24.8km az=77.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=11.6km az=47.0.
ISC X 06 08 59 10.2–1.6 29.61N–.04 90.6E–.10 12–10 3.7b 22 0-65
ISCJB X 06 08 59 07.4–1.5 29.54N–.04 90.52E–.09 7–10 3.7b ¶12066112
IDC X 06 08 59 08.8–1.4 29.65N 90.74E 0 3.9,3.8b
NEIC X 06 08 59 10.1–.88 29.65N 90.67E 10 3.8b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=6.8km az=179.3.
IDC Error ellipse: s-maj=47.2km s-min=20.6km az=60.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=10.7km az=43.0.
IDC X 06 09 01 41.2–20 29.77N 88.64E 0 3.9,3.6b
¶12066113
IDC Error ellipse: s-maj=603.4km s-min=38.1km az=95.0.
ISC X 06 09 11 13.9–.88 29.67N–.10 90.53E–.07 10 3.6b 16 1-76
ISCJB X 06 09 11 11.7–.86 29.61N–.09 90.48E–.07 10 3.6b ¶12066114
IDC X 06 09 11 12.1–1.8 29.63N 90.47E 0 3.9L,3.8
NEIC X 06 09 11 13.9–.75 29.69N 90.57E 10 3.9L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=8.8km az=9.6.
IDC Error ellipse: s-maj=68.7km s-min=20.1km az=69.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.8km az=53.0.
ISC X 06 09 12 18.5–1.1 29.4N–.10 90.7E–.10 10 3.5b 10 1-67
ISCJB X 06 09 12 16.2–1.1 29.3N–.10 90.6E–.10 10 3.5b ¶12066115
IDC X 06 09 12 16.4–2.6 29.31N 90.49E 0 3.5,3.4b
NEIC X 06 09 12 18.4–.97 29.39N 90.65E 10 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=15.7km az=136.7.
IDC Error ellipse: s-maj=89.4km s-min=29.4km az=76.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=14.3km az=213.0.
ISC X 06 09 15 05.6–1.6 29.73N–.05 90.39E–.06 2–12 4.2b 42 1-151
ISCJB X 06 09 15 04.8–1.5 29.71N–.05 90.40E–.07 10–11 4.2b ¶12066116
IDC X 06 09 15 04.8–.61 29.65N 90.27E 0 4.4,4.2b
NEIC X 06 09 15 06.4–.52 29.71N 90.44E 10 3.9b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=7.6km az=157.2.
IDC Error ellipse: s-maj=24.2km s-min=14.3km az=52.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.4km az=219.0.
ISC X 06 09 20 12.9–.89 29.71N–.10 90.54E–.08 10 3.6b 16 1-76
ISCJB X 06 09 20 10.7–.88 29.65N–.10 90.48E–.07 10 3.6b ¶12066118
IDC X 06 09 20 10.7–2.0 29.64N 90.37E 0 3.9,3.8L
NEIC X 06 09 20 13.3–.91 29.75N 90.67E 10 3.9,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=8.8km az=15.3.
IDC Error ellipse: s-maj=75.5km s-min=20.2km az=72.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=10.2km az=55.0.
ISC X 06 09 24 46.8–.51 29.53N–.09 90.2E–.10 10 4.1b 34 1-151
ISCJB X 06 09 24 44.8–.51 29.55N–.08 90.37E–.09 10 4.1b ¶13396176
IDC X 06 09 24 45.0–.69 29.52N 90.19E 0 4.3,4.1b
NEIC X 06 09 24 46.8–.57 29.62N 90.43E 10 3.7b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=8.3km az=44.9.
IDC Error ellipse: s-maj=27.0km s-min=15.4km az=55.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.4km az=223.0.
ISC X 06 09 27 31.4–1.0 29.7N–.10 90.49E–.08 10 3.8b 15 1-76
ISCJB X 06 09 27 29.2–1.0 29.7N–.10 90.43E–.07 10 3.8b ¶12066119
IDC X 06 09 27 29.6–1.4 29.64N 90.32E 0 4.0,3.8b
NEIC X 06 09 27 31.5–1.0 29.73N 90.56E 10 4.0,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=8.1km az=14.2.
IDC Error ellipse: s-maj=56.0km s-min=22.5km az=69.0.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=11.3km az=219.0.
IDC X 06 09 38 19.1–18 29.67N 90.48E 0 3.7,3.4b
¶12066121
IDC Error ellipse: s-maj=547.1km s-min=35.1km az=93.0.
IDC X 06 09 42 16.2–2.3 29.56N 90.17E 0 4.2,4.0s
¶12066122
IDC Error ellipse: s-maj=57.4km s-min=42.5km az=54.0.
IDC X 06 10 03 17.7–6.2 29.84N 90.14E 38–55 3.4,3.2L
¶12066125
IDC Error ellipse: s-maj=79.8km s-min=27.9km az=77.0.
IDC X 06 10 08 04.9–20 29.64N 90.50E 0 3.8s,3.8
¶12066126
IDC Error ellipse: s-maj=625.4km s-min=35.1km az=93.0.
ISC X 06 10 08 48.1–.47 29.74N–.04 90.47E–.06 10 4.0b 32 1-76
ISCJB X 06 10 08 45.8–.48 29.66N–.04 90.40E–.06 10 4.0b ¶12066127
IDC X 06 10 08 46.1–.90 29.59N 90.26E 0 4.2,4.0b
NEIC X 06 10 08 47.7–.55 29.68N 90.42E 10 4.2,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.0km az=148.3.
IDC Error ellipse: s-maj=35.8km s-min=17.1km az=55.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=7.3km az=47.0.
IDC X 06 10 11 10.2–2.5 29.55N 90.46E 0 3.5,3.4b
¶12066128
IDC Error ellipse: s-maj=85.5km s-min=27.7km az=78.0.
ISC X 06 10 13 05.7–3.3 29.8N–.20 90.5E–.20 2–21 3.8b 12 1-68
ISCJB X 06 10 13 05.2–2.7 29.8N–.20 90.5E–.20 13–17 3.8b ¶12066129
IDC X 06 10 13 05.7–2.6 29.86N 90.61E 0 3.8,3.7b
NEIC X 06 10 13 06.7–.85 29.86N 90.56E 10 3.6b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.6km s-min=13.5km az=41.0.
IDC Error ellipse: s-maj=90.8km s-min=29.0km az=79.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=8.5km az=219.0.
ISC X 06 10 17 11.6–.16 29.79N–.03 90.31E–.02 10 4.8b,4.4s 446 1-156
ISCJB X 06 10 17 09.5–.15 29.80N–.03 90.35E–.02 10 4.8b,4.4s ¶13396183
DMN X 06 10 17 09.5–.37 30.02N 90.80E 10–0 4.6L,4.4s
IDC X 06 10 17 09.3–.37 29.70N 90.34E 0 4.7,4.7
BJI X 06 10 17 10.1 29.68N 90.30E 10 5.0b,4.8b
LDG X 06 10 17 10.6–.36 30.13N 90.05E 10–0 5.1b,4.3s
MOS X 06 10 17 10.1–.91 29.66N 90.25E 18 5.1b,4.6s
NEIC X 06 10 17 11.0–.21 29.81N 90.42E 10 5.1b,4.7s
SZGRF X 06 10 17 12.3 28.82N 90.08E 33 5.1b,4.7s
DJA X 06 10 17 13 29.87N 90.28E 10 5.2b,4.7s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=177.7.
DMN Event type ke. Error ellipse: s-maj=9.7km s-min=7.1km az=166.0.
IDC Error ellipse: s-maj=14.2km s-min=9.9km az=48.0.
LDG Event type ke. Error ellipse: s-maj=16.5km s-min=6.6km az=119.0.
MOS Error ellipse: s-maj=8.2km s-min=4.5km az=119.2.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.6km az=187.0.
SZGRF Xizang.

IDC X 06 10 18 03.1–17 29.63N 90.58E 0 4.5,4.2b
¶12066130
IDC Error ellipse: s-maj=519.4km s-min=35.2km az=93.0.
ISC X 06 10 20 15.2–.80 29.71N–.10 90.45E–.07 10 4.0b 14 1-68
ISCJB X 06 10 20 13.1–.79 29.66N–.09 90.41E–.06 10 4.0b ¶12066131
IDC X 06 10 20 13.7–2.6 29.66N 90.24E 0 4.1,3.9b
NEIC X 06 10 20 15.1–.72 29.70N 90.42E 10 4.4b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=7.5km az=14.6.
IDC Error ellipse: s-maj=85.6km s-min=28.5km az=79.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.9km az=217.0.
ISC X 06 10 21 39.9–1.0 29.7N–.10 90.52E–.07 10 3.8b 13 1-67
ISCJB X 06 10 21 37.9–1.0 29.6N–.10 90.47E–.07 10 3.8b ¶12066132
IDC X 06 10 21 38.3–2.5 29.58N 90.36E 0 3.8,3.7b
NEIC X 06 10 21 39.8–1.1 29.68N 90.53E 10 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=7.4km az=13.8.
IDC Error ellipse: s-maj=85.4km s-min=27.6km az=78.0.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=11.4km az=213.0.
ISC X 06 10 28 15.9–.94 29.8N–.10 90.5E–.10 10 3.6b 14 1-76
ISCJB X 06 10 28 13.6–.93 29.7N–.10 90.4E–.10 10 3.6b ¶12066134
IDC X 06 10 28 13.5–2.4 29.69N 90.18E 0 3.7,3.6b
NEIC X 06 10 28 15.8–.94 29.78N 90.47E 10 3.9b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=11.7km az=138.8.
IDC Error ellipse: s-maj=88.3km s-min=23.3km az=76.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=11.5km az=48.0.
ISC X 06 10 39 44.6–.41 29.71N–.06 90.37E–.05 10 4.2b 31 1-151
ISCJB X 06 10 39 42.6–.41 29.65N–.06 90.31E–.05 10 4.2b ¶13396185
IDC X 06 10 39 43.1–.66 29.67N 90.25E 0 4.4,4.2b
NEIC X 06 10 39 45.2–.89 29.77N 90.46E 10 4.4,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.9km az=7.0.
IDC Error ellipse: s-maj=25.6km s-min=16.2km az=59.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=9.6km az=46.0.
IDC X 06 10 45 09.7–22 29.81N 89.12E 0 3.7,3.5b
¶12066135
IDC Error ellipse: s-maj=666.9km s-min=36.7km az=95.0.
IDC X 06 10 45 41.4–18 29.42N 91.37E 0 4.1s,4.1
¶12066136
IDC Error ellipse: s-maj=569.4km s-min=36.1km az=92.0.
ISC X 06 10 58 25.8–.97 29.7N–.10 90.4E–.10 10 3.7b 15 1-76
ISCJB X 06 10 58 23.5–.97 29.6N–.10 90.4E–.10 10 3.7b ¶12066137
IDC X 06 10 58 23.9–1.1 29.61N 90.24E 0 3.8,3.7b
NEIC X 06 10 58 25.7–.90 29.65N 90.43E 10 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=13.7km az=27.7.
IDC Error ellipse: s-maj=42.6km s-min=21.4km az=56.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=12.3km az=207.0.
ISC X 06 11 11 30.2–.39 29.63N–.04 90.11E–.05 10 4.0b 67 1-76
ISCJB X 06 11 11 28.1–.39 29.58N–.05 90.06E–.05 10 4.0b ¶12066138
IDC X 06 11 11 28.4–.89 29.71N 90.19E 0 4.2,4.0b
MOS X 06 11 11 29.3–1.3 29.65N 90.29E 19 4.3b,4.0b
NEIC X 06 11 11 30.2–.51 29.75N 90.35E 10 4.2b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=6.0km az=42.8.
IDC Error ellipse: s-maj=36.8km s-min=15.3km az=56.0.
MOS Error ellipse: s-maj=15.6km s-min=8.1km az=116.1.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=6.6km az=48.0.
ISC X 06 11 18 24.7–.56 29.71N–.09 90.5E–.10 10 4.0b 23 1-86
ISCJB X 06 11 18 22.6–.56 29.65N–.08 90.4E–.10 10 4.0b ¶12066139
IDC X 06 11 18 22.9–.79 29.65N 90.29E 0 4.2,4.0b
NEIC X 06 11 18 24.6–.68 29.71N 90.51E 10 4.2,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=8.0km az=136.7.
IDC Error ellipse: s-maj=30.2km s-min=17.1km az=56.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=7.6km az=225.0.
IDC X 06 11 43 14.3–21 29.48N 90.75E 0 3.6,3.4
¶12066145
IDC Error ellipse: s-maj=655.5km s-min=37.1km az=93.0.
ISC X 06 12 04 40.3–1.1 29.71N–.08 90.5E–.30 10 3.7b 11 4-120
IDC X 06 12 04 38.3–1.7 29.72N 90.35E 0 3.8,3.7b ¶12066147
IDC Error ellipse: s-maj=67.8km s-min=20.6km az=72.0.
ISC X 06 12 10 34.7–.82 29.71N–.02 90.32E–.02 15–5 5.2b,4.6s 794 1-161
SZGRF X 06 12 10 23.3 28.76N 91.75E 33 5.6b,4.8s ¶13396198
ISCJB X 06 12 10 30.3–.64 29.73N–.02 90.31E–.02 0–4 5.3b,4.6s
DMN X 06 12 10 30.3–.40 30.24N 90.76E 10–0 5.3L,4.6s
IDC X 06 12 10 31.6–.38 29.56N 90.34E 0 5.1,5.0
NEIC X 06 12 10 33.4–.14 29.65N 90.32E 10 5.4b,4.5s
LDG X 06 12 10 33.0–.30 30.04N 90.10E 10–0 5.4b,4.3s
BJI X 06 12 10 33.2 29.67N 90.43E 11 5.3b,5.2s
MOS X 06 12 10 34.8–.96 29.63N 90.32E 33 5.5b,4.7s
TEH X 06 12 10 34.0 29.60N 90.28E 10 5.5b,4.7s
GCMT X 06 12 10 38.0–.20 29.56N 90.53E 14–0 5.2W,4.7s
DJA X 06 12 10 43 29.78N 90.28E 86 5.2b,4.7s
ISC Event type ke.
SZGRF Xizang.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=14.7.
DMN Event type ke. Error ellipse: s-maj=11.0km s-min=7.7km az=144.0.
IDC Error ellipse: s-maj=12.8km s-min=7.6km az=59.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.2km az=207.0.
LDG Event type ke. Error ellipse: s-maj=13.4km s-min=4.7km az=126.0.
MOS Error ellipse: s-maj=6.4km s-min=3.4km az=123.2.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s43,c50; s90,c166; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.64±.37 $M_{\theta\theta}$-1.51±.20; $M_{\phi\phi}$8.15±.26; $M_{r\theta}$-2.45±.51; $M_{\theta\phi}$2.44±.14; $M_{\phi r}$-0.98±.41; Best double couple: NP1:ϕ_s173.00000°,δ43.00000°,λ-121.00000°. NP2:ϕ_s33.00000°,δ54.00000°,λ-64.00000°. Principal axes: T 8.8800,Plg6.0000° ,Azm105.0000°; N -1.2600,Plg21.0000°,Azm197.0000°; P -7.6200,Plg68.0000° ,Azm360.0000° M_θ8.30000×10^{16}
ISC X 06 12 46 53.6–1.0 29.78N–.04 90.45E–.03 6–7 4.7b 211 1-151
LDG X 06 12 46 52.7–.33 29.91N 90.23E 10–0 4.9b,3.0s ¶13396203
DMN X 06 12 46 52.1–.65 30.05N 90.78E 10–0 4.6L,3.0s
ISCJB X 06 12 46 52.6–.93 29.75N–.04 90.46E–.03 13–6 4.7b,3.0s
IDC X 06 12 46 52.1–.55 29.58N 90.26E 0 4.7,4.5
NEIC X 06 12 46 53.8–.26 29.76N 90.46E 10 4.9b,4.5
MOS X 06 12 46 53.8–1.2 29.69N 90.41E 25 5.0b,4.5
BJI X 06 12 46 54.7 29.72N 90.50E 17 4.7b,4.7b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=14.8km s-min=5.3km az=134.0.
DMN Event type ke. Error ellipse: s-maj=15.6km s-min=11.9km az=113.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.2km az=152.6.
IDC Error ellipse: s-maj=24.3km s-min=13.4km az=55.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=5.1km az=155.0.
MOS Error ellipse: s-maj=10.4km s-min=6.1km az=121.4.
IDC X 06 12 54 18.4–2.4 29.66N 90.76E 0 3.6,3.5
¶12066149
IDC Error ellipse: s-maj=90.8km s-min=25.6km az=76.0.
IDC X 06 14 14 09.2–2.5 29.65N 90.10E 0 3.6,3.6b
¶12066155
IDC Error ellipse: s-maj=84.3km s-min=26.6km az=77.0.
ISC X 06 14 16 07.6–.47 29.76N–.04 90.44E–.06 10 4.0b 47 1-151
ISCJB X 06 14 16 05.6–.48 29.75N–.04 90.39E–.07 10 4.0b ¶12066156
IDC X 06 14 16 05.1–.84 29.63N 90.20E 0 4.2,4.0
MOS X 06 14 16 06.4–1.4 29.63N 90.34E 23 4.2b,4.0
NEIC X 06 14 16 07.1–.56 29.74N 90.40E 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.0km az=152.5.
IDC Error ellipse: s-maj=35.2km s-min=16.8km az=60.0.
MOS Error ellipse: s-maj=19.5km s-min=9.9km az=111.3.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=7.5km az=54.0.
ISC X 06 14 26 23.4–1.4 29.7N–.10 91.0E–.20 28–8 3.9b 16 0-76

IDC X 06 14 26 16.9–2.4 29.72N 90.44E 0 3.9,3.8b ¶12066157
ISCJB X 06 14 26 22.6–1.4 29.7N–.10 90.9E–.20 42–9 3.9b,3.8b
NEIC X 06 14 26 23.0–1.0 29.75N 91.05E 24–6 4.6b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=86.8km s-min=23.0km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=36.7km s-min=16.3km az=151.2.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=10.8km az=64.0.
ISC X 06 15 03 28.4–1.0 29.7N–.10 90.55E–.08 10 3.5b 12 1-120
IDC X 06 15 03 25.7–2.0 29.63N 90.15E 0 3.6,3.5b ¶12066159
ISCJB X 06 15 03 26.1–1.0 29.6N–.10 90.48E–.08 10 3.5b,3.5b
NEIC X 06 15 03 28.0–1.1 29.70N 90.55E 10 3.5b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=75.7km s-min=25.9km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=9.8km az=4.5.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=13.6km az=54.0.
IDC X 06 16 55 12.8–2.5 29.64N 90.39E 0 3.8,3.6b
¶12066165
IDC Error ellipse: s-maj=80.9km s-min=26.6km az=78.0.
IDC X 06 17 20 15.0–6.3 29.47N 89.74E 0 3.6,3.5L
¶12066167
IDC Error ellipse: s-maj=176.4km s-min=32.9km az=90.0.
IDC X 06 18 18 57.5–27 29.88N 88.71E 0 3.6,3.3b
¶12066171
IDC Error ellipse: s-maj=818.6km s-min=35.8km az=95.0.
ISC X 06 18 28 56.9–2.3 29.7N–.10 90.2E–.40 19–14 3.6b 9 4-68
ISCJB X 06 18 28 53.8–2.2 29.6N–.10 90.2E–.40 12–14 3.6b ¶12066172
IDC X 06 18 28 53.7–2.6 29.65N 90.18E 0 3.6,3.5b
ISCJB Error ellipse: s-maj=62.1km s-min=11.1km az=164.6.
IDC Error ellipse: s-maj=83.0km s-min=26.5km az=78.0.
ISC X 06 19 03 00.9–.59 29.70N–.05 90.51E–.07 10 3.8b 26 1-76
ISCJB X 06 19 02 58.6–.61 29.62N–.05 90.45E–.06 10 3.8b ¶12066175
IDC X 06 19 02 58.6–1.0 29.62N 90.27E 0 4.0,3.8b
NEIC X 06 19 03 01.3–.72 29.77N 90.63E 10 4.7b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.7km az=147.2.
IDC Error ellipse: s-maj=40.7km s-min=18.3km az=62.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=8.8km az=52.0.
ISC X 06 21 08 14.2–.57 29.70N–.05 90.53E–.06 10 3.5b 21 1-67
ISCJB X 06 21 08 12.2–.59 29.66N–.06 90.48E–.06 10 3.5b ¶12066193
IDC X 06 21 08 12.2–2.6 29.70N 90.33E 0 3.6,3.4b
NEIC X 06 21 08 14.3–.53 29.76N 90.57E 10 3.4b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.6km az=28.9.
IDC Error ellipse: s-maj=86.1km s-min=26.4km az=77.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=6.7km az=224.0.
ISC X 06 23 12 24.6–1.4 29.62N–.04 90.49E–.07 8–9 4.1b 26 1-76
ISCJB X 06 23 12 22.4–1.3 29.56N–.04 90.45E–.07 7–9 4.1b ¶12066204
IDC X 06 23 12 23.8–2.4 29.63N 90.45E 0 4.0,3.7L
NEIC X 06 23 12 24.8–.42 29.65N 90.50E 10 4.1b,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=6.7km az=169.3.
IDC Error ellipse: s-maj=86.1km s-min=22.8km az=76.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.2km az=213.0.
ISC X 07 00 25 50.4–1.2 29.82N–.06 91.5E–.30 10 3.6b 10 4-67
IDC X 07 00 25 46.8–2.2 29.65N 90.96E 0 4.2L,3.8 ¶12066236
ISCJB X 07 00 25 47.9–1.3 29.74N–.06 91.4E–.30 10 3.6b,3.8
ISC X 07 04 12 21.6–2.0 29.71N–.06 90.5E–.10 6–12 3.5b 18 1-76
ISCJB X 07 04 12 19.1–1.8 29.66N–.06 90.41E–.10 3–11 3.5b ¶12066248
IDC X 07 04 12 20.2–1.4 29.64N 90.30E 0 3.8,3.6b
NEIC X 07 04 12 21.9–1.2 29.68N 90.52E 10 3.8,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=9.5km az=166.8.
IDC Error ellipse: s-maj=49.6km s-min=25.4km az=66.0.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=12.8km az=206.0.
ISC X 07 19 58 35.2–3.2 29.5N–.20 92.1E–.90 13–17 7 4-66
ISCJB X 07 19 58 31.6–3.7 29.5N–.20 92E–1.0 9–17 ¶12066286
IDC X 07 19 58 33.9–20 29.58N 92.33E 0 3.9,3.8
ISCJB Error ellipse: s-maj=178.0km s-min=14.0km az=10.3.
IDC Error ellipse: s-maj=636.3km s-min=34.0km az=92.0.
ISC X 07 21 48 13.0–3.2 29.7N–.10 91.8E–.90 10 7 4-67
IDC X 07 21 48 10.8–24 29.59N 91.66E 0 4.0s,4.0 ¶12066294
IDC Error ellipse: s-maj=747.2km s-min=36.0km az=92.0.
ISC X 08 08 39 32.6–.77 29.7N–.10 90.4E–.10 10 3.7b 20 1-76
ISCJB X 08 08 39 30.6–.78 29.7N–.10 90.4E–.10 10 3.7b ¶12066321
IDC X 08 08 39 31.2–1.7 29.62N 90.21E 0 3.9,3.9s
NEIC X 08 08 39 32.5–.86 29.73N 90.39E 10 3.4b,3.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=8.2km az=39.9.
IDC Error ellipse: s-maj=67.0km s-min=19.2km az=70.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=9.0km az=220.0.
ISC X 08 09 32 17.9–4.6 29.6N–.10 90.1E–.30 28–36 3.5b 9 4-76
IDC X 08 09 32 13.9–1.5 29.63N 90.13E 0 3.7,3.6 ¶12066324
ISCJB X 08 09 32 16.8–2.3 29.6N–.10 90.1E–.30 35–27 3.5b,3.6
ISC X 08 14 03 05.8–.79 29.73N–.09 90.50E–.08 10 3.7b 18 1-76
ISCJB X 08 14 03 03.6–.76 29.66N–.09 90.44E–.07 10 3.7b ¶12066337
IDC X 08 14 03 04.0–1.8 29.72N 90.39E 0 3.9L,3.7
NEIC X 08 14 03 05.9–.61 29.73N 90.55E 10 4.3b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.4km az=17.1.
IDC Error ellipse: s-maj=66.8km s-min=20.0km az=70.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.5km az=55.0.
ISC X 08 14 07 15.4–.58 29.77N–.02 90.34E–.01 2–3 5.3b,5.0s 919 1-161
ISCJB X 08 14 07 14.8–.10 29.74N–.02 90.32E–.02 11 5.3b,5.0s ¶13396405
IDC X 08 14 07 14.8–.33 29.79N 90.41E 0 5.1,5.1
MOS X 08 14 07 15.5–.94 29.69N 90.32E 18 5.7b,4.9s
BJI X 08 14 07 16.9 29.96N 90.59E 11 5.6s,5.6b
SZGRF X 08 14 07 16.7 29.17N 90.68E 33 5.5b,4.9s
LDG X 08 14 07 16.9–.39 30.20N 89.98E 10–0 5.7b,4.7s
NEIC X 08 14 07 16.3–.11 29.76N 90.33E 9 5.6b,5.5
DMN X 08 14 07 19.2–1.1 30.14N 90.28E 2–0 5.5L,5.5
DJA X 08 14 07 20 29.73N 90.54E 27 5.2b,5.5
GCMT X 08 14 07 22.4–.10 29.76N 90.57E 15–0 5.5W,5.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=17.8.
IDC Error ellipse: s-maj=10.2km s-min=6.5km az=53.0.
MOS Error ellipse: s-maj=6.5km s-min=3.2km az=125.7.
SZGRF Xizang.
LDG Event type ke. Error ellipse: s-maj=18.3km s-min=4.7km az=137.0.
NEIC Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=27.0. Felt at Lhasa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s210.00000° ,δ60.00000°,λ-90.00000°. NP2:ϕ_s30.00000°,δ30.00000°,λ-90.00000°. Principal axes: T Plg15.0000°,Azm300.0000°; N Plg0.0000°,Azm0.0000°; P Plg75.0000°,Azm120.0000° Moment Tensor Solution. s38 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.63 $M_{\theta\theta}$0.96 $M_{r\theta}$-0.08 $M_{\theta\phi}$0.26 $M_{\phi r}$0.06 Best double couple: NP1:ϕ_s33.00000°,δ45.00000°,λ-86.00000°. NP2:ϕ_s208.00000°,δ45.00000°,λ-94.00000°. Principal axes: T 1.1200,Plg0.0000° ,Azm300.0000°; N 0.5200,Plg2.0000°,Azm210.0000°; P -1.6400,Plg87.0000°,Azm35.0000° $M_0$1.40000×10^{17}
DMN Event type ke. Error ellipse: s-maj=26.6km s-min=20.8km az=176.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 96, comp=193, per= 50. Moment Tensor Solution. s63,c113; s34,c37; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84±.03 $M_{\theta\theta}$-0.44±.03; $M_{\phi\phi}$1.28±.03; $M_{r\theta}$-0.49±.05; $M_{\theta\phi}$1.43±.03; $M_{\phi r}$0.49±.05; Best double couple: NP1:ϕ_s69.00000°,δ62.00000°,λ-25.00000°. NP2:ϕ_s171.00000°,δ68.00000°,λ-150.00000°. Principal axes: T 2.1000,Plg4.0000°,Azm299.0000°; N -0.3500,Plg53.0000°,Azm204.0000° ; P -1.7500,Plg37.0000°,Azm32.0000° $M_0$1.90000×10^{17}
ISC X 08 15 47 01.5–.72 29.69N–.06 90.5E–.10 10 3.5b 19 1-76
ISCJB X 08 15 46 59.0–.73 29.59N–.06 90.4E–.10 10 3.5b ¶12066344
IDC X 08 15 46 59.2–1.2 29.60N 90.13E 0 3.7,3.5b
NEIC X 08 15 47 01.4–.79 29.71N 90.49E 10 4.0b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=6.8km az=160.7.
IDC Error ellipse: s-maj=43.7km s-min=21.0km az=63.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.2km az=51.0.
IDC X 08 17 59 52.1–18 29.51N 91.54E 0 3.9,3.7
¶12066351
IDC Error ellipse: s-maj=580.1km s-min=36.4km az=92.0.
ISC X 08 19 06 45.0–1.7 34.7N–.10 80.7E–.10 49–17 3.9b 19 9-84
IDC X 08 19 06 38.7–1.3 34.53N 80.48E 0 3.9s,3.9b ¶12066361
NEIC X 08 19 06 40.1–1.1 34.52N 80.55E 10 3.9s,3.9b
ISCJB X 08 19 06 42.8–2.5 34.7N–.10 80.6E–.20 42–23 3.9b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 09 03 28 48.3–.89 29.75N–.03 90.52E–.03 18–6 4.4b,3.8s 191 1-151
DMN X 09 03 28 42.9–.67 30.41N 90.85E 10–0 4.7L,3.8s ¶13396451
IDC X 09 03 28 45.4–.54 29.72N 90.50E 0 4.5,4.3
NEIC X 09 03 28 46.8–.28 29.68N 90.36E 10 4.8b,4.3
ISCJB X 09 03 28 47.8–.72 29.75N–.04 90.51E–.03 30–6 4.4b,3.8s
LDG X 09 03 28 47.4–.27 30.22N 90.02E 10–0 4.9b,3.7s
MOS X 09 03 28 48.3–1.1 29.74N 90.46E 33 4.7b,3.7s
BJI X 09 03 28 50.8 29.91N 90.65E 28 4.8b,4.7b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=15.5km s-min=11.5km az=92.0.
IDC Error ellipse: s-maj=21.2km s-min=12.5km az=56.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.5km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=157.4.
LDG Event type ke. Error ellipse: s-maj=13.0km s-min=5.7km az=133.0.
MOS Error ellipse: s-maj=10.3km s-min=5.9km az=118.8.
IDC X 09 04 39 22.6–3.9 29.67N 89.92E 0 4.3L,3.9
¶12066397
IDC Error ellipse: s-maj=127.6km s-min=28.8km az=84.0.
ISC X 09 05 19 18.0–1.8 29.68N–.09 90.1E–.20 7–12 3.9b,2.8s 11 4-76
ISCJB X 09 05 19 15.3–1.8 29.66N–.10 90.1E–.20 2–12 3.9b,2.8s ¶12066402
IDC X 09 05 19 16.9–1.6 29.75N 90.11E 0 4.0,3.8
ISCJB Error ellipse: s-maj=38.5km s-min=8.8km az=158.6.
IDC Error ellipse: s-maj=55.8km s-min=21.3km az=69.0.
ISC X 09 13 28 28.7–3.3 29.57N–.06 90.5E–.20 3–19 3.6b 12 1-67
ISCJB X 09 13 28 29.3–2.0 29.62N–.07 90.6E–.20 19–13 3.6b ¶12066427
NEIC X 09 13 28 30.2–.88 29.69N 90.62E 10 4.5b
IDC X 09 13 28 33.3–2.4 29.70N 90.63E 31–7 3.6s,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=11.3km az=1.1.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=12.0km az=46.0.
IDC Error ellipse: s-maj=75.3km s-min=22.1km az=85.0.
IDC X 09 13 45 51.3–1.6 29.67N 97.72E 0 3.7,3.6b
¶12066430
IDC Error ellipse: s-maj=76.2km s-min=28.0km az=67.0.
IDC X 09 14 13 04.0–15 29.37N 92.87E 0 3.6,3.4
¶12066432
IDC Error ellipse: s-maj=474.5km s-min=36.6km az=91.0.
ISC X 09 17 31 18.4–1.7 29.78N–.05 90.5E–.10 1–11 3.8b 25 1-76
IDC X 09 17 31 17.1–1.0 29.58N 90.22E 0 4.0,3.8b ¶12066447
NEIC X 09 17 31 18.9–.73 29.67N 90.49E 10 4.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=40.0km s-min=16.9km az=61.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=9.7km az=46.0.
ISC X 09 17 59 22.5–1.4 29.75N–.05 90.5E–.10 6–9 4.2b 42 1-78
ISCJB X 09 17 59 19.6–1.4 29.66N–.05 90.4E–.10 2–9 4.2b ¶12066449
IDC X 09 17 59 20.4–.66 29.48N 90.11E 0 4.3,4.1
NEIC X 09 17 59 22.6–.47 29.65N 90.48E 10 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=6.5km az=159.9.
IDC Error ellipse: s-maj=26.2km s-min=14.5km az=56.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.7km az=49.0.
ISC X 09 23 55 28.6–3.5 30.83N–.06 83.46E–.07 7–24 3.7b 38 3-77
ISCJB X 09 23 55 27.2–3.3 30.81N–.07 83.46E–.07 10–23 3.7b ¶12066469
IDC X 09 23 55 27.5–1.0 30.86N 83.56E 0 4.0,3.9
NEIC X 09 23 55 32.1–2.2 30.93N 83.53E 29–17 3.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=7.8km az=41.0.
IDC Error ellipse: s-maj=27.1km s-min=19.5km az=50.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.0km az=221.0.
ISC X 10 11 36 10.3–.66 29.71N–.07 90.51E–.07 10 3.9b 23 1-76
ISCJB X 10 11 36 07.9–.65 29.58N–.05 90.45E–.07 10 3.9b ¶12066502
IDC X 10 11 36 08.6–1.1 29.70N 90.37E 0 4.0,3.9b
NEIC X 10 11 36 10.6–.69 29.78N 90.56E 10 4.4b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=7.7km az=149.9.
IDC Error ellipse: s-maj=40.7km s-min=18.7km az=64.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.2km az=50.0.
ISC X 10 19 00 03.0–1.9 29.67N–.05 90.7E–.10 18–12 3.1b 17 0-67
IDC X 10 19 00 00.6–1.7 29.69N 90.80E 0 3.3,3.2L ¶12066523
NEIC X 10 19 00 02.1–3.4 29.67N 90.73E 12–19 3.3,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=69.7km s-min=20.7km az=68.0.
NEIC Event type se. Error ellipse: s-maj=34.8km s-min=10.2km az=65.0.
ISC X 10 19 05 07.5–1.2 29.72N–.09 90.2E–.30 10 3.5b 10 4-76
ISCJB X 10 19 05 06.2–1.3 29.79N–.09 90.4E–.40 10 3.5b ¶12066526
IDC X 10 19 05 09.8–1.7 29.63N 90.27E 27–5 3.5L,3.5
ISCJB Error ellipse: s-maj=46.2km s-min=7.0km az=166.1.
IDC Error ellipse: s-maj=60.8km s-min=17.5km az=78.0.
ISC X 10 20 09 00.3–1.3 31.03N–.10 83.7E–.10 49–12 3.6b 40 3-77
IDC X 10 20 08 53.8–1.0 31.02N 83.67E 0 3.9,3.8L ¶12066534
ISCJB X 10 20 08 57.1–1.6 30.94N–.09 83.6E–.10 37–16 3.6b,3.8L
NEIC X 10 20 08 59.2–.94 30.99N 83.56E 41–10 3.5b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=17.4km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=8.5km az=44.5.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.3km az=221.0.
ISC X 10 21 18 47.0–.20 29.80N–.03 90.59E–.03 10 4.4b,4.0s 261 0-152
DMN X 10 21 18 38.4–.68 30.58N 91.06E 10–0 4.7L,4.0s ¶13396603
BJI X 10 21 18 43.5 29.81N 90.50E 1 4.8b,4.6s
IDC X 10 21 18 45.0–.65 29.82N 90.59E 0 4.3,4.2
ISCJB X 10 21 18 45.1–.20 29.82N–.03 90.60E–.03 10 4.4b,4.0s
LDG X 10 21 18 45.7–.46 29.86N 90.46E 10–0 4.9b,3.7s
NEIC X 10 21 18 46.7–.19 29.80N 90.59E 10 4.6b,3.7s
MOS X 10 21 18 47.6–.86 29.74N 90.62E 29 4.8b,3.7s
ISC Event type fe.
DMN Event type ke. Error ellipse: s-maj=17.3km s-min=11.6km az=104.0.
IDC Error ellipse: s-maj=24.2km s-min=14.0km az=55.0.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.2km az=0.9.
LDG Event type ke. Error ellipse: s-maj=21.0km s-min=9.9km az=125.0.
NEIC Event type fe. Error ellipse: s-maj=4.5km s-min=3.8km az=222.0. Felt at Lhasa.
MOS Error ellipse: s-maj=9.2km s-min=5.2km az=121.6.
ISC X 11 02 31 19.5–2.6 29.69N–.08 90.5E–.10 5–17 4.4s,4.0b 28 1-92
ISCJB X 11 02 31 17.6–2.6 29.61N–.09 90.5E–.10 8–16 4.4s,4.0b ¶12066558
IDC X 11 02 31 17.9–.91 29.58N 90.30E 0 4.3,4.3s
NEIC X 11 02 31 19.7–.54 29.66N 90.51E 10 4.0b,4.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=10.8km az=140.3.
IDC Error ellipse: s-maj=38.1km s-min=16.6km az=57.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=7.1km az=220.0.
ISC X 11 03 32 28.0–.43 29.83N–.05 90.53E–.06 10 3.9b 37 1-76
ISCJB X 11 03 32 25.9–.44 29.74N–.05 90.46E–.06 10 4.0b ¶12066560
IDC X 11 03 32 26.3–.98 29.75N 90.49E 0 4.2L,4.1
NEIC X 11 03 32 27.7–.43 29.80N 90.51E 10 3.9b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.8km az=137.3.
IDC Error ellipse: s-maj=40.0km s-min=16.2km az=59.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.5km az=223.0.
IDC X 11 15 59 14.7–7.2 30.66N 83.13E 0 3.6,3.5
¶12066593

IDC Error ellipse: s-maj=314.7km s-min=28.8km az=70.0.
IDC X 12 02 01 59.7–1.4 33.51N 89.14E 0 3.8,3.7b
¶12068434

IDC Error ellipse: s-maj=55.4km s-min=23.8km az=65.0.
IDC X 12 04 21 48.5–3.0 30.55N 82.68E 0 3.8,3.5b
¶12068442

IDC Error ellipse: s-maj=99.7km s-min=32.6km az=74.0.
IDC X 12 07 11 43.0–2.1 29.75N 90.60E 0 4.0L,3.9
¶12068447

IDC Error ellipse: s-maj=73.5km s-min=24.7km az=73.0.
ISC X 13 01 22 09.3–.65 31.11N–.07 83.81E–.06 10 3.7b 28 3-77
ISCJB X 13 01 22 07.6–.65 31.10N–.07 83.76E–.06 10 3.7b **¶12068508**
IDC X 13 01 22 08.5–1.1 31.20N 83.95E 0 4.0,3.9
NEIC X 13 01 22 09.9–.61 31.21N 83.88E 10 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.2km az=158.0.
IDC Error ellipse: s-maj=33.9km s-min=19.3km az=59.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.2km az=46.0.
ISC X 13 05 43 39.1–.83 29.8N–.10 90.53E–.09 10 3.8b 19 1-151
ISCJB X 13 05 43 37.1–.84 29.73N–.10 90.48E–.08 10 3.8b **¶12068529**
IDC X 13 05 43 37.4–1.2 29.71N 90.45E 0 4.0,3.8b
NEIC X 13 05 43 38.7–.81 29.79N 90.51E 10 3.7b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=7.7km az=25.2.
IDC Error ellipse: s-maj=49.5km s-min=17.7km az=69.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=10.4km az=47.0.
IDC X 13 11 21 13.2–1.7 29.91N 89.53E 0 3.9,3.7b
¶12068550

IDC Error ellipse: s-maj=58.8km s-min=21.8km az=69.0.
ISC X 14 19 19 03.5–2.7 30.8N–.10 83.4E–.20 40–42 3.2b 6 5-70
IDC X 14 19 18 59.0–3.0 30.79N 83.60E 0 3.7,3.6L **¶12068629**
ISCJB X 14 19 19 02.8–3.7 30.8N–.10 83.3E–.30 58–51 3.2b,3.6L
IDC X 14 20 34 53.9–1.5 30.81N 83.22E 0 3.7,3.5b
¶12068637

IDC Error ellipse: s-maj=48.0km s-min=23.9km az=70.0.
ISC X 14 23 55 46.3–1.7 29.74N–.07 90.47E–.09 3–12 3.6b 27 1-68
IDC X 14 23 55 46.3–1.3 29.75N 90.62E 0 3.8L,3.7 **¶12068649**
NEIC X 14 23 55 47.8–.76 29.86N 90.66E 10 3.5b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=54.0km s-min=17.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=9.7km az=223.0.
IDC X 15 11 11 57.7–17 29.70N 92.32E 0 3.6,3.4
¶12068675

IDC Error ellipse: s-maj=550.9km s-min=36.2km az=92.0.
ISC X 16 07 31 04.0–2.2 29.79N–.10 90.3E–.40 7–13 3.5b 9 4-68
ISCJB X 16 07 31 01.9–2.2 29.8N–.10 90.2E–.40 9–14 3.5b **¶12068744**
IDC X 16 07 31 01.5–2.7 29.71N 90.01E 0 3.8L,3.7
ISCJB Error ellipse: s-maj=60.0km s-min=11.0km az=165.4.
IDC Error ellipse: s-maj=86.4km s-min=27.1km az=78.0.
ISC X 16 12 23 59.3–.68 29.68N–.09 90.52E–.06 10 3.9b 21 1-76
ISCJB X 16 12 23 57.2–.69 29.60N–.09 90.47E–.06 10 3.9b **¶12068767**
IDC X 16 12 23 57.7–.89 29.65N 90.43E 0 3.8,3.7b
NEIC X 16 12 23 59.2–.56 29.67N 90.53E 10 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=7.6km az=4.7.
IDC Error ellipse: s-maj=30.7km s-min=18.5km az=60.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.6km az=221.0.
ISC X 16 12 45 38.8–3.1 29.81N–.10 90.6E–.20 9–17 3.5b 20 1-76
IDC X 16 12 45 37.4–1.7 29.80N 90.56E 0 3.7,3.6b **¶12068768**
ISCJB X 16 12 45 38.2–2.9 29.75N–.10 90.5E–.20 20–19 3.5b,3.6b
NEIC X 16 12 45 39.2–.65 29.85N 90.66E 10 3.5b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=66.9km s-min=19.5km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=27.3km s-min=12.1km az=153.6.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=6.6km az=56.0.
ISC X 16 13 26 15.6–.80 29.7N–.10 90.46E–.07 10 3.5b 17 1-76
ISCJB X 16 13 26 13.4–.80 29.66N–.10 90.39E–.08 10 3.5b **¶12068772**
IDC X 16 13 26 13.0–1.2 29.59N 90.10E 0 3.8,3.6b
NEIC X 16 13 26 15.2–5.1 29.71N 90.47E 5–27 4.3b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=9.4km az=15.9.
IDC Error ellipse: s-maj=46.2km s-min=21.7km az=61.0.
NEIC Event type se. Error ellipse: s-maj=44.4km s-min=13.5km az=69.0.
ISC X 16 14 18 40.3–.75 33.8N–.10 89.7E–.20 10 3.3b 16 15-72
ISCJB X 16 14 18 38.4–.75 33.8N–.10 89.7E–.20 10 3.3b **¶12068775**
IDC X 16 14 18 38.4–1.1 33.74N 89.75E 0 3.6,3.5b
NEIC X 16 14 18 40.2–.63 33.74N 89.71E 10 3.4b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.6km s-min=11.8km az=144.9.
IDC Error ellipse: s-maj=40.4km s-min=21.6km az=56.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=10.2km az=53.0.
ISC X 16 18 51 03.5–.85 31.15N–.10 83.91E–.10 35 3.4b 7 4-77
IDC X 16 18 50 57.5–4.4 30.84N 83.58E 0 3.6,3.4b **¶12068818**
ISCJB X 16 18 51 01.6–.85 31.11N–.10 83.92E–.10 33 3.4b,3.4b
ISC X 17 18 02 54.6–.40 30.49N–.04 83.39E–.05 10 3.8b 52 3-81
NDI X 17 18 02 51.6–3.1 30.65N 83.98E 33–0 3.5b,3.4L **¶12068906**
ISCJB X 17 18 02 52.6–.40 30.45N–.04 83.37E–.05 10 3.8b,3.4L
IDC X 17 18 02 53.0–.82 30.51N 83.33E 0 3.9,3.8
NEIC X 17 18 02 58.9–1.4 30.57N 83.28E 44–14 3.5b,3.8
ISC Event type se.
NDI Error ellipse: s-maj=19.6km s-min=34.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=39.3.
IDC Error ellipse: s-maj=22.9km s-min=17.6km az=56.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=10.0km az=221.0.
ISC X 18 16 29 00.9–.71 29.71N–.05 90.55E–.07 10 3.6b 22 1-67
ISCJB X 18 16 28 58.6–.71 29.61N–.05 90.48E–.07 10 3.6b **¶12068984**
IDC X 18 16 28 59.3–1.1 29.72N 90.71E 0 3.7,3.6b
NEIC X 18 16 29 02.0–2.6 29.76N 90.71E 17–15 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.6km az=163.9.
IDC Error ellipse: s-maj=42.5km s-min=20.2km az=60.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=10.6km az=63.0.
ISC X 19 17 15 33.5–1.0 29.53N–.07 91.6E–.30 35 3.3b 7 4-67
IDC X 19 17 15 29.4–2.3 29.65N 91.96E 0 3.4,3.3b **¶12069058**
ISCJB X 19 17 15 31.3–1.0 29.53N–.07 91.7E–.30 33 3.3b,3.3b
ISC X 19 19 06 45.0–.47 29.71N–.04 90.51E–.06 10 3.7b,3.3s 33 1-76
ISCJB X 19 19 06 42.8–.47 29.62N–.04 90.46E–.06 10 3.7b,3.3s **¶12069067**
IDC X 19 19 06 42.8–1.0 29.51N 90.24E 0 3.9,3.7
NEIC X 19 19 06 44.6–.64 29.65N 90.46E 10 3.8b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=146.1.
IDC Error ellipse: s-maj=39.9km s-min=16.5km az=59.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=9.2km az=224.0.
ISC X 19 19 12 16.3–.89 29.8N–.10 90.52E–.08 10 3.4b 14 1-68
ISCJB X 19 19 12 14.2–.88 29.7N–.10 90.46E–.08 10 3.4b **¶12069069**
IDC X 19 19 12 15.2–2.0 29.76N 90.64E 0 3.6,3.4b
NEIC X 19 19 12 16.5–.75 29.77N 90.60E 10 3.6,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=9.5km az=1.9.
IDC Error ellipse: s-maj=70.6km s-min=24.1km az=73.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.1km az=56.0.
ISC X 21 07 11 55.5–.70 29.57N–.09 90.2E–.20 10 3.7b 13 4-76
ISCJB X 21 07 11 53.5–.72 29.55N–.09 90.2E–.20 10 3.7b **¶12070721**
IDC X 21 07 11 54.0–1.1 29.62N 90.19E 0 4.0,3.7
ISCJB Error ellipse: s-maj=31.0km s-min=7.7km az=158.3.
IDC Error ellipse: s-maj=43.6km s-min=18.2km az=59.0.
ISC X 22 00 15 10.5–2.9 29.6N–.10 91.3E–.60 35 3.7b 5 4-67
IDC X 22 00 14 59.0–6.2 29.48N 89.91E 0 4.2,4.0b **¶12070765**
IDC Error ellipse: s-maj=179.7km s-min=32.5km az=91.0.
ISC X 22 03 31 56.6–.51 30.54N–.06 83.52E–.07 10 3.7b 38 6-85
ISCJB X 22 03 31 54.5–.50 30.46N–.07 83.41E–.07 10 3.7b **¶12070774**

IDC X 22 03 31 54.4–.80 30.42N 83.48E 0 4.1L,4.0
NEIC X 22 03 31 56.4–.67 30.52N 83.48E 10 4.1b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=6.9km az=37.9.
IDC Error ellipse: s-maj=27.2km s-min=17.0km az=57.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=8.6km az=224.0.
ISC X 23 13 00 29.7–.70 29.79N–.05 90.6E–.10 10 3.8b 22 0-76
ISCJB X 23 13 00 26.9–.73 29.65N–.05 90.5E–.10 10 3.8b **¶12070892**
IDC X 23 13 00 27.5–1.6 29.73N 90.40E 0 3.9,3.8b
NEIC X 23 13 00 29.5–.67 29.78N 90.60E 10 3.6b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=6.4km az=163.9.
IDC Error ellipse: s-maj=64.2km s-min=17.6km az=69.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=7.6km az=54.0.
ISC X 24 22 58 29.1–1.1 30.99N–.03 83.62E–.04 24–10 4.0b,3.6s 95 3-100
NDI X 24 22 58 19.6–2.9 30.51N 84.54E 10–0 4.4b,4.2b **¶11478047**
DMN X 24 22 58 22.9–.36 31.51N 83.41E 10–0 4.5L,4.2b
IDC X 24 22 58 24.1–.91 30.76N 83.53E 0 4.2,4.1
NEIC X 24 22 58 27.2–.28 30.99N 83.56E 10 4.2b,4.1
ISCJB X 24 22 58 28.9–.65 30.98N–.05 83.55E–.04 38–9 4.0b,3.6s
ISC Event type ke.
DMN Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC X 25 00 29 27.7–.77 30.81N–.08 83.65E–.08 10 3.7b 28 3-77
ISCJB X 25 00 29 26.3–.68 30.80N–.08 83.51E–.08 10 3.7b **¶12071043**
IDC X 25 00 29 26.4–1.9 30.85N 83.70E 0 3.9,3.8L
NEIC X 25 00 29 28.1–.86 30.83N 83.53E 10 4.0b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=9.4km az=9.9.
IDC Error ellipse: s-maj=44.3km s-min=28.1km az=41.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.8km az=214.0.
ISC X 27 12 21 29.7–1.9 31.6N–.20 83.7E–.30 35 3.3b 7 4-76
IDC X 27 12 21 12.0–6.1 30.28N 82.99E 0 3.7,3.6 **¶12071237**
ISCJB X 27 12 21 28.7–1.8 31.6N–.20 83.5E–.30 33 3.3b,3.6
ISC X 28 02 59 21.3–.82 31.23N–.09 84.36E–.10 10 3.4b 9 4-76
IDC X 28 02 59 15.3–2.8 30.73N 83.24E 0 3.8L,3.7 **¶12071300**
ISCJB X 28 02 59 19.6–.83 31.23N–.09 84.35E–.10 10 3.4b,3.7
ISC X 28 07 22 12.4–2.1 35.91N–.06 88.85E–.09 9–15 4.2s,3.5b 12 6-89
IDC X 28 07 22 11.0–1.3 35.76N 88.96E 0 3.9,3.8 **¶12071314**
BJI X 28 07 22 12.1 35.79N 88.84E 11 4.3L,3.8s
IDC Error ellipse: s-maj=48.1km s-min=30.3km az=52.0.
IDC X 28 08 16 38.0–6.7 30.60N 83.58E 0 3.4,3.3b
¶12071319

IDC Error ellipse: s-maj=296.4km s-min=27.2km az=70.0.
DMN X 28 16 10 13.8–1.4 28.35N 86.01E 2–0
¶15243677

DMN Event type ke. Error ellipse: s-maj=38.3km s-min=8.3km az=54.0.
ISC X 28 17 34 17.1–.65 29.80N–.07 90.47E–.07 10 3.4b 20 1-83
ISCJB X 28 17 34 15.5–.64 29.82N–.07 90.44E–.07 10 3.4b **¶12071356**
IDC X 28 17 34 15.9–1.1 29.83N 90.42E 0 3.5,3.4b
NEIC X 28 17 34 17.5–2.7 29.95N 90.61E 11–18 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.5km az=36.2.
IDC Error ellipse: s-maj=39.8km s-min=19.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=41.7km s-min=8.6km az=57.0.
ISC X 28 20 19 17.4–1.6 29.5N–.10 90.1E–.40 10 3.5b 7 4-68
ISCJB X 28 20 19 15.4–1.6 29.5N–.10 90.1E–.40 10 3.5b **¶12071373**
IDC X 28 20 19 17.1–2.5 29.62N 90.38E 0 3.9L,3.7
ISCJB Error ellipse: s-maj=54.9km s-min=10.1km az=162.9.
IDC Error ellipse: s-maj=82.9km s-min=26.1km az=78.0.
ISC X 29 11 58 18.3–.67 30.32N–.10 83.6E–.10 35 3.9b 32 7-120
IDC X 29 11 58 12.8–.77 30.38N 83.64E 0 4.1,4.0b **¶12071460**
NEIC X 29 11 58 14.5–.75 30.26N 83.52E 10 3.8b,4.0b
ISCJB X 29 11 58 16.1–.67 30.28N–.09 83.6E–.10 33 3.9b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 29 21 53 43.9–1.3 30.02N–.04 89.56E–.05 2–9 3.9b,3.1s 55 1-151
IDC X 29 21 53 43.8–.63 30.01N 89.46E 0 4.1,4.0 **¶12071558**
NEIC X 29 21 53 45.0–.31 30.00N 89.54E 10 3.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=12.8km az=56.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.8km az=219.0.
ISC X 29 22 05 57.2–1.1 30.05N–.03 89.59E–.04 1–7 4.3b,3.3s 89 1-151
ISCJB X 29 22 05 55.2–1.1 30.02N–.03 89.56E–.03 0–7 4.3b,3.3s **¶13398582**
IDC X 29 22 05 56.6–.54 30.06N 89.54E 0 4.3,4.2
NEIC X 29 22 05 58.0–.30 30.05N 89.56E 10 3.9b,4.2
BJI X 29 22 06 01.4 30.20N 89.72E 21 4.5b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.7km az=18.7.
IDC Error ellipse: s-maj=18.3km s-min=13.1km az=51.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.4km az=223.0.
IDC X 30 11 35 15.9–1.6 29.57N 97.56E 0 3.5,3.4b
¶12071616

IDC Error ellipse: s-maj=82.9km s-min=23.3km az=66.0.
IDC XI 01 21 58 28.5–4.9 34.94N 88.59E 0 3.4L,3.4
¶12071917

IDC Error ellipse: s-maj=73.4km s-min=42.4km az=38.0.
IDC XI 02 05 25 38.4–1.8 29.72N 90.50E 0 3.6,3.5b
¶12071952

IDC Error ellipse: s-maj=70.3km s-min=22.6km az=68.0.
IDC XI 02 08 39 48.1–17 29.68N 90.72E 0 3.8,3.6
¶12071970

IDC Error ellipse: s-maj=518.7km s-min=34.5km az=93.0.
IDC XI 02 11 44 52.5–1.1 32.79N 90.18E 0 3.8,3.6b
¶12071981

IDC Error ellipse: s-maj=51.5km s-min=20.0km az=63.0.
ISC XI 03 18 33 16.3–2.4 30.91N–.06 83.63E–.07 32–18 4.0b,3.4s 77 5-146
IDC XI 03 18 33 11.6–.61 30.88N 83.64E 0 4.3L,4.1 **¶13399127**
ISCJB XI 03 18 33 14.2–2.4 30.85N–.06 83.61E–.07 31–18 4.0b,3.4s
NEIC XI 03 18 33 15.9–2.6 30.91N 83.57E 28–18 3.9b,3.4s
MOS XI 03 18 33 16.1–1.5 30.92N 83.55E 46 4.5b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=13.4km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.9km az=42.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.8km az=222.0.
MOS Error ellipse: s-maj=13.4km s-min=7.8km az=115.3.
IDC XI 05 03 25 23.8–4.3 29.64N 90.03E 0 3.8,3.6
¶12072328

IDC Error ellipse: s-maj=149.6km s-min=30.0km az=86.0.
ISC XI 05 04 44 37.8–.42 33.72N–.05 89.6E–.10 10 3.7b 35 4-81
ISCJB XI 05 04 44 36.1–.45 33.74N–.06 89.6E–.10 10 3.7b **¶12072332**
IDC XI 05 04 44 36.6–.82 33.72N 89.46E 0 3.9L,3.9
NEIC XI 05 04 44 37.9–.44 33.72N 89.57E 10 3.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=6.4km az=154.2.
IDC Error ellipse: s-maj=32.1km s-min=16.6km az=53.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.2km az=56.0.
IDC XI 05 06 59 49.6–1.6 29.59N 90.29E 0 3.9,3.7b
¶12072350

IDC Error ellipse: s-maj=53.2km s-min=28.0km az=65.0.
ISC XI 06 14 34 22.0–.74 30.51N–.09 84.64E–.08 35 3.6b 19 4-77
IDC XI 06 14 34 15.4–1.1 30.29N 84.18E 0 3.8,3.6b **¶12072539**
ISCJB XI 06 14 34 20.0–.75 30.49N–.09 84.63E–.08 33 3.6b,3.6b
NEIC XI 06 14 34 19.9–1.4 30.73N 85.17E 10 3.7b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=33.5km s-min=22.1km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=9.3km az=163.0.
NEIC Event type se. Error ellipse: s-maj=37.8km s-min=10.9km az=54.0.
ISC XI 06 21 44 27.4–.60 34.33N–.04 85.60E–.07 48–7 3.9b,3.6s 103 6-78

IDC XI 06 21 44 20.7–.66 34.25N 85.64E 0 4.1,4.0 ¶13399447
NEIC XI 06 21 44 23.2–.30 34.38N 85.71E 10 4.1b,4.0
ISCJB XI 06 21 44 24.9–.84 34.33N–.04 85.61E–.08 43–9 3.9b,3.6s
MOS XI 06 21 44 24.3–1.1 34.36N 85.59E 33 4.2b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=13.6km az=51.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.3km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=6.1km az=156.9.
MOS Error ellipse: s-maj=13.3km s-min=6.5km az=109.6.
IDC XI 07 20 02 56.4–3.1 30.76N 83.29E 0 3.3,3.2
¶12072741
IDC Error ellipse: s-maj=92.5km s-min=29.3km az=73.0.
IDC XI 10 13 37 53.4–1.2 30.29N 83.70E 0 3.7,3.6b
¶12073070
IDC Error ellipse: s-maj=48.3km s-min=23.1km az=55.0.
ISC XI 11 19 51 47.3–1.3 30.7N–.10 82.7E–.20 10 3.3b 19 7-77
ISCJB XI 11 19 51 45.6–1.3 30.6N–.10 82.8E–.20 10 3.3b ¶12073210
IDC XI 11 19 51 46.5–2.4 30.66N 82.92E 0 3.7s,3.7
NEIC XI 11 19 51 47.3–1.6 30.76N 82.74E 10 3.6b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.0km s-min=10.8km az=146.6.
IDC Error ellipse: s-maj=82.2km s-min=20.4km az=72.0.
NEIC Event type se. Error ellipse: s-maj=37.0km s-min=12.0km az=54.0.
ISC XI 12 16 59 02.3–.79 30.68N–.10 83.34E–.08 10 3.4b,3.4s 19 5-77
ISCJB XI 12 16 58 60.0–.80 30.6N–.10 83.27E–.08 10 3.4b,3.4s ¶12073317
IDC XI 12 16 58 59.6–2.8 30.66N 83.26E 0 3.7,3.5b
NEIC XI 12 16 59 01.5–1.0 30.59N 83.25E 10 3.4b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=9.6km az=12.7.
IDC Error ellipse: s-maj=65.5km s-min=35.3km az=46.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=11.3km az=216.0.
ISC XI 13 18 21 42.2–.68 32.17N–.10 85.0E–.10 10 3.6b 22 6-77
ISCJB XI 13 18 21 40.4–.68 32.2N–.10 84.9E–.10 10 3.6b ¶12073436
IDC XI 13 18 21 40.6–1.1 32.19N 84.97E 0 3.7,3.6
NEIC XI 13 18 21 41.8–.69 32.11N 85.02E 10 3.6b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=11.3km az=137.6.
IDC Error ellipse: s-maj=36.1km s-min=19.8km az=61.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=10.6km az=222.0.
ISC XI 14 16 39 58.2–.19 30.41N–.02 83.72E–.03 10 4.3b,3.6s 172 2-146
DMN XI 14 16 39 50.6–.34 31.08N 83.26E 10–0 4.6L,3.6s ¶13400175
BJI XI 14 16 39 53.9 29.86N 83.51E 22 4.6b,4.3s
IDC XI 14 16 39 55.4–.67 30.21N 83.80E 0 4.4,4.3
ISCJB XI 14 16 39 56.6–.19 30.45N–.02 83.67E–.03 10 4.3b,3.6s
NEIC XI 14 16 39 58.7–3.2 30.25N 83.72E 20–20 4.2b,3.6s
MOS XI 14 16 39 58.3–1.3 30.28N 83.69E 29 4.5b,3.6s
NDI XI 14 16 40 00.5–2.3 30.11N 83.68E 10–0 4.2b,4.1L
LDG XI 14 16 40 02.2–.30 30.44N 83.52E 60–0 4.6b,3.2s
ISC Event type se.
DMN Event type ke. Error ellipse: s-maj=9.4km s-min=5.5km az=87.0.
IDC Error ellipse: s-maj=20.1km s-min=13.9km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.4km az=149.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.8km az=218.0.
MOS Error ellipse: s-maj=11.1km s-min=5.5km az=115.8.
NDI Error ellipse: s-maj=13.8km s-min=10.1km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=14.3km s-min=4.7km az=116.0.
ISC XI 14 16 49 50.5–.43 30.25N–.04 83.86E–.05 10 3.8b 55 5-77
ISCJB XI 14 16 49 48.7–.43 30.21N–.04 83.81E–.05 10 3.8b ¶12073540
IDC XI 14 16 49 49.0–1.3 30.30N 83.78E 0 4.0,3.9
NEIC XI 14 16 49 50.1–.78 30.19N 83.62E 10 3.7b,3.9
MOS XI 14 16 49 51.9–1.4 30.25N 83.67E 33 4.4b,3.9
NDI XI 14 16 49 56.1–2.9 29.97N 83.80E 10–0 3.7b,3.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=6.4km az=36.4.
IDC Error ellipse: s-maj=30.5km s-min=23.0km az=5.0.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=8.6km az=45.0.
MOS Error ellipse: s-maj=16.6km s-min=8.9km az=115.0.
NDI Error ellipse: s-maj=36.0km s-min=26.0km az=-1.0.
ISC XI 14 17 11 04.7–3.0 30.08N–.09 83.55E–.10 30–23 3.6b 35 7-78
IDC XI 14 17 11 00.1–.91 30.15N 83.74E 0 3.8,3.7b ¶12073541
ISCJB XI 14 17 11 01.7–3.1 30.02N–.09 83.50E–.10 23–24 3.6b,3.7b
NEIC XI 14 17 11 03.7–3.3 30.09N 83.53E 24–25 3.6b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=17.8km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=9.0km az=42.4.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=8.8km az=223.0.
ISC XI 15 18 39 44.3–3.8 30.0N–.10 83.3E–.20 25–29 3.7b 26 7-79
ISCJB XI 15 18 39 41.6–3.9 30.0N–.10 83.3E–.20 20–29 3.7b ¶12073651
IDC XI 15 18 39 41.7–1.0 30.06N 83.65E 0 3.6,3.5b
NEIC XI 15 18 39 43.8–5.7 30.11N 83.44E 17–36 3.9b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.7km s-min=9.9km az=141.1.
IDC Error ellipse: s-maj=33.0km s-min=20.3km az=65.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=9.3km az=49.0.
ISC XI 17 07 16 59.0–.76 30.8N–.10 83.5E–.20 10 3.5s,3.4b 23 5-77
ISCJB XI 17 07 16 57.2–.77 30.8N–.10 83.4E–.10 10 3.5s,3.4b ¶12073832
IDC XI 17 07 16 57.6–1.0 30.78N 83.50E 0 3.8,3.6b
NEIC XI 17 07 16 58.9–.84 30.81N 83.30E 10 3.7b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=11.6km az=143.0.
IDC Error ellipse: s-maj=32.5km s-min=19.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=12.4km az=50.0.
ISC XI 17 07 49 54.7–3.7 30.60N–.10 83.1E–.10 20–26 3.4b 21 4-77
IDC XI 17 07 49 51.3–1.2 30.52N 83.27E 0 3.7,3.5b ¶12073834
ISCJB XI 17 07 49 53.7–1.9 30.6N–.10 83.2E–.10 24–16 3.4b,3.5b
NEIC XI 17 07 49 53.4–.92 30.62N 83.13E 10 3.7b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=22.9km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=13.2km az=34.1.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=12.5km az=53.0.
IDC XI 17 20 51 43.5–3.9 29.65N 90.32E 0 3.8,3.6
¶12073911
IDC Error ellipse: s-maj=138.0km s-min=28.4km az=85.0.
ISC XI 17 23 52 17.9–1.2 29.20N–.03 88.17E–.03 6–8 4.6b,3.9s 240 2-149
DMN XI 17 23 52 08.0–4.3 30.09N 88.77E 60–0 4.6b,3.9s ¶13400482
BJI XI 17 23 52 15.8 29.13N 88.16E 10 4.9b,4.6L
ISCJB XI 17 23 52 17.2–.00 29.19N–.03 88.20E–.03 14–6 4.6b,3.9s
NEIC XI 17 23 52 18.4–2.8 29.19N 88.23E 12–18 4.6b,3.9s
IDC XI 17 23 52 18.3–2.7 29.17N 88.17E 11–16 4.4,4.4
MOS XI 17 23 52 19.8–.94 29.18N 88.22E 35 4.7b,4.4
DJA XI 17 23 52 20 29.14N 87.87E 23 4.9b,4.4
NDI XI 17 23 52 20.6–3.1 29.01N 87.90E 10–0 4.8b,4.6b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=103.5km s-min=13.1km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=23.7.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.3km az=48.0.
IDC Error ellipse: s-maj=16.7km s-min=9.9km az=45.0.
MOS Error ellipse: s-maj=10.7km s-min=5.3km az=122.3.
NDI Error ellipse: s-maj=32.9km s-min=16.8km az=-1.0.
ISC XI 18 05 29 23.3–1.0 30.32N–.03 83.73E–.03 34–8 4.5b,3.7s 178 2-151
IDC XI 18 05 29 17.4–.62 30.21N 83.84E 0 4.4,4.3 ¶13400503
LDG XI 18 05 29 17.1–.18 30.39N 83.72E 10–0 4.8b,3.9s
DMN XI 18 05 29 17.4–.50 30.82N 83.61E 10–0 4.6L,3.9s
MOS XI 18 05 29 20.2–1.3 30.27N 83.75E 27 4.8b,3.9s
NDI XI 18 05 29 20.6–3.3 30.19N 84.13E 33–0 4.5b,4.3L
NEIC XI 18 05 29 23.0–2.5 30.25N 83.77E 35–18 4.5b,4.3L
ISCJB XI 18 05 29 23.0–.54 30.32N–.03 83.62E–.03 48–6 4.5b,3.7s
ISC Event type ke.
LDG Event type ke.
DMN Event type ke.
NEIC Event type se.
ISCJB Event type ke.
ISC XI 18 13 25 05.8–.30 34.48N–.04 83.53E–.05 10 4.4b,3.3s 148 8-145
IDC XI 18 13 25 03.9–.63 34.43N 83.44E 0 4.4,4.3 ¶13400526
ISCJB XI 18 13 25 03.6–.30 34.44N–.04 83.50E–.05 10 4.4b,3.3s
NEIC XI 18 13 25 04.9–3.1 34.48N 83.49E 5–20 4.4b,3.3s
LDG XI 18 13 25 06.5–2.2 34.78N 82.99E 10–0 4.8b,3.7s
BJI XI 18 13 25 06.2 34.67N 83.51E 14 4.8b,4.4b
MOS XI 18 13 25 07.7–1.5 34.58N 83.57E 36 4.6b,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=14.7km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.3km az=37.5.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.2km az=209.0.
LDG Event type ke. Error ellipse: s-maj=92.0km s-min=9.4km az=117.0.
MOS Error ellipse: s-maj=11.9km s-min=5.5km az=115.9.
ISC XI 19 14 57 03.2–.58 30.67N–.08 83.16E–.10 10 3.6b,3.3s 32 4-77
ISCJB XI 19 14 57 01.4–.51 30.62N–.08 83.16E–.07 10 3.6b,3.3s ¶12074150
IDC XI 19 14 57 01.5–.90 30.63N 83.24E 0 3.7,3.6
NEIC XI 19 14 57 03.2–.53 30.67N 83.19E 10 3.9b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.0km az=30.9.
IDC Error ellipse: s-maj=26.0km s-min=18.3km az=54.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.1km az=51.0.
ISC XI 19 21 18 57.1–.46 30.32N–.05 83.62E–.04 10 3.7b 33 5-146
ISCJB XI 19 21 18 54.8–.45 30.27N–.05 83.61E–.05 10 3.7b ¶12074187
IDC XI 19 21 18 55.1–1.0 30.23N 83.85E 0 3.9,3.8b
NEIC XI 19 21 18 56.8–.67 30.31N 83.71E 10 3.7b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=6.1km az=19.0.
IDC Error ellipse: s-maj=30.6km s-min=20.5km az=62.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=9.4km az=216.0.
ISC XI 20 10 42 32.9–1.1 29.84N–.04 90.45E–.04 3–7 4.1b,3.8s 75 1-85
ISCJB XI 20 10 42 31.0–1.0 29.75N–.04 90.40E–.05 6–7 4.1b,3.8s ¶12074254
IDC XI 20 10 42 31.4–.78 29.72N 90.37E 0 4.2,4.1
MOS XI 20 10 42 32.9–1.3 29.74N 90.52E 20 4.6b,4.1
NEIC XI 20 10 42 33.5–.52 29.77N 90.52E 10 4.4b,4.1
BJI XI 20 10 42 33.9 29.70N 90.52E 15 4.6b,4.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.9km az=147.4.
IDC Error ellipse: s-maj=32.9km s-min=14.2km az=59.0.
MOS Error ellipse: s-maj=15.3km s-min=8.2km az=111.6.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=7.5km az=224.0.
ISC XI 23 13 22 58.5–.44 29.81N–.05 90.46E–.06 10 3.7b 33 1-83
ISCJB XI 23 13 22 56.6–.46 29.79N–.05 90.41E–.07 10 3.7b ¶12074596
IDC XI 23 13 22 57.2–.88 29.76N 90.29E 0 3.8,3.7b
NEIC XI 23 13 22 58.6–.49 29.84N 90.45E 10 4.4b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.4km az=141.0.
IDC Error ellipse: s-maj=38.8km s-min=15.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.6km az=48.0.
ISC XI 25 12 13 01.8–.84 30.36N–.10 97.00E–.09 10 3.8b 17 7-64
ISCJB XI 25 12 12 59.6–.83 30.3N–.10 96.95E–.09 10 3.8b ¶12074779
IDC XI 25 12 13 00.9–1.7 30.32N 97.17E 0 3.7,3.5
BJI XI 25 12 13 01.5 30.37N 96.88E 10 3.5L,3.5
ISCJB Error ellipse: s-maj=15.8km s-min=10.0km az=156.2.
IDC Error ellipse: s-maj=78.0km s-min=26.0km az=68.0.
ISC XI 25 21 50 50.5–1.1 30.61N–.03 83.46E–.03 18–8 4.1b 128 2-114
DMN XI 25 21 50 45.4–.35 31.46N 83.19E 60–0 4.7L ¶13401114
IDC XI 25 21 50 46.9–.75 30.56N 83.51E 0 4.1,4.0b
NEIC XI 25 21 50 49.2–.48 30.63N 83.48E 10 4.5b,4.0b
MOS XI 25 21 50 50.4–1.1 30.58N 83.45E 33 4.4b,4.0b
NDI XI 25 21 50 51.2–2.7 30.50N 83.36E 10–0 4.5b,4.4L
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=8.0km s-min=4.6km az=134.0.
IDC Error ellipse: s-maj=22.9km s-min=14.3km az=43.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.0km az=221.0.
MOS Error ellipse: s-maj=12.5km s-min=6.9km az=119.0.
NDI Error ellipse: s-maj=17.1km s-min=11.8km az=-1.0.
ISC XI 25 21 51 28.7–.42 30.76N–.06 83.69E–.06 10 4.0s,4.0b 86 7-85
ISCJB XI 25 21 51 26.9–.41 30.73N–.06 83.61E–.06 10 4.0s,4.0b ¶13836784
IDC XI 25 21 51 26.9–.66 30.69N 83.69E 0 4.1,4.0
NEIC XI 25 21 51 28.6–.37 30.74N 83.64E 10 4.2b,4.0
MOS XI 25 21 51 30.1–1.3 30.76N 83.61E 33 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=31.3.
IDC Error ellipse: s-maj=20.2km s-min=14.8km az=54.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.8km az=40.0.
MOS Error ellipse: s-maj=13.8km s-min=6.9km az=118.6.
IDC XI 26 08 02 33.8–1.4 29.68N 90.20E 0 3.7,3.5b
¶12074877
IDC Error ellipse: s-maj=52.2km s-min=25.0km az=62.0.
ISC XI 26 09 16 08.4–.94 30.15N–.10 83.6E–.20 35 3.4b 17 5-78
IDC XI 26 09 16 05.1–2.4 30.36N 83.69E 0 3.7,3.7 ¶12074882
ISCJB XI 26 09 16 06.9–.81 30.15N–.09 83.4E–.10 33 3.4b,3.7
NEIC XI 26 09 16 08.2–1.2 30.54N 83.50E 10 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=56.8km s-min=34.6km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=13.1km az=174.7.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=12.9km az=205.0.
ISC XI 27 18 45 39.7–.58 30.76N–.07 83.38E–.08 10 3.7b 36 3-77
ISCJB XI 27 18 45 37.7–.65 30.72N–.10 83.3E–.10 10 3.7b ¶12075060
IDC XI 27 18 45 37.5–.87 30.66N 83.28E 0 3.9,3.8b
NEIC XI 27 18 45 39.8–.67 30.73N 83.25E 10 3.5b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=9.6km az=135.5.
IDC Error ellipse: s-maj=29.5km s-min=16.3km az=54.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=9.2km az=220.0.
ISC XI 28 14 35 24.6–.55 30.90N–.07 83.60E–.06 10 3.5b 23 3-73
IDC XI 28 14 35 21.2–2.5 30.81N 83.22E 0 3.7,3.6L ¶12075151
ISCJB XI 28 14 35 22.7–.54 30.86N–.07 83.55E–.06 10 3.5b,3.6L
NEIC XI 28 14 35 24.3–.76 30.87N 83.51E 10 3.9b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=77.1km s-min=22.2km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.6km az=164.3.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=10.8km az=47.0.
IDC XI 29 05 15 32.6–3.1 30.63N 83.27E 0 3.6,3.5
¶12075224
IDC Error ellipse: s-maj=90.9km s-min=29.7km az=73.0.
IDC XI 29 06 24 53.9–1.5 30.73N 83.39E 0 3.8,3.7
¶12075227
IDC Error ellipse: s-maj=51.5km s-min=20.7km az=67.0.
ISC XII 01 13 10 50.7–1.7 32.6N–.10 84.9E–.40 35 3.2b 13 14-73
IDC XII 01 13 10 46.0–2.6 32.54N 84.93E 0 3.5,3.3 ¶12075412
NEIC XII 01 13 10 47.1–1.4 32.56N 84.87E 10 3.5,3.3
ISCJB XII 01 13 10 48.1–1.7 32.6N–.10 84.7E–.40 33 3.2b,3.3
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 02 23 24 40.8–1.4 34.77N–.03 80.12E–.05 35–11 3.9b 63 4-88
ISCJB XII 02 23 24 35.9–1.7 34.79N–.03 80.02E–.06 15–11 3.9b ¶12075563
IDC XII 02 23 24 35.2–.68 34.69N 79.99E 0 4.0,3.9
NEIC XII 02 23 24 36.8–.35 34.71N 80.01E 10 3.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.3km az=175.0.
IDC Error ellipse: s-maj=23.4km s-min=13.9km az=46.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.1km az=46.0.
ISC XII 04 02 04 47.9–.44 30.58N–.05 83.50E–.06 10 3.9b,3.7s 52 3-80
IDC XII 04 02 04 45.9–.84 30.61N 83.56E 0 4.1,4.0 ¶13401829
ISCJB XII 04 02 04 46.5–.42 30.59N–.05 83.42E–.04 10 3.9b,3.7s
NEIC XII 04 02 04 47.9–.75 30.57N 83.37E 10 4.0b,3.7s
NDI XII 04 02 04 50.7–2.1 30.52N 83.65E 10–0 4.0b,3.7L
ISC Event type se.

IDC Error ellipse: s-maj=29.0km s-min=16.4km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.1km az=164.2.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=9.5km az=45.0.
NDI Error ellipse: s-maj=34.8km s-min=28.4km az=-1.0.

ISC	**XII**	**05 04 34 19.7–3.1**	**29.17N–.07**	**88.0E–.10**	**6–21**	**3.5b**	**20**	**3-81**
IDC	XII	05 04 34 18.2–1.1	29.09N	87.99E	0	3.7,3.7L		¶12075831
NEIC	XII	05 04 34 19.8–.60	29.10N	87.96E	10	3.4b,3.7L		

ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=21.4km az=62.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.1km az=48.0.

IDC	**XII**	**05 06 08 48.8–2.2**	**32.24N**	**84.98E**	**0**	**3.8,3.7L**		
								¶12075843

IDC Error ellipse: s-maj=73.6km s-min=21.7km az=73.0.

ISC	**XII**	**07 14 06 38.0–.74**	**30.80N–.10**	**83.1E–.10**	**35**	**3.5b**	**19**	**12-120**
IDC	XII	07 14 06 34.0–1.9	30.86N	83.44E	0	4.2s,4.2		¶12076206
NEIC	XII	07 14 06 34.4–.71	30.71N	83.11E	10	4.1b,4.2		
ISCJB	XII	07 14 06 35.7–.74	30.8N–.10	83.0E–.10	33	3.5b,4.2		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**XII**	**08 07 30 17.2–2.3**	**32.77N–.05**	**90.26E–.08**	**1–17**	**3.7b,3.2s**	**47**	**3-82**
IDC	XII	08 07 30 16.7–1.0	32.64N	90.21E	0	3.6b,3.6		¶12076316
NEIC	XII	08 07 30 18.8–.50	32.76N	90.18E	10	3.6b,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=20.8km az=65.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.0km az=105.0.

ISC	**XII**	**11 15 49 37.4–.69**	**32.73N–.07**	**91.2E–.10**	**35**	**3.5b**	**11**	**6-73**
IDC	XII	11 15 49 33.2–1.6	33.00N	91.76E	0	4.2L,4.0		¶12076944
ISCJB	XII	11 15 49 35.3–.69	32.70N–.07	91.2E–.10	33	3.5b,4.0		
IDC	**XII**	**13 07 44 40.1–.99**	**32.85N**	**92.02E**	**0**	**4.0L,3.7**		
								¶12077252

IDC Error ellipse: s-maj=43.1km s-min=20.0km az=60.0.

IDC	**XII**	**13 08 50 38.7–1.1**	**32.99N**	**91.93E**	**0**	**3.7,3.6L**		
								¶12077268

IDC Error ellipse: s-maj=46.2km s-min=20.4km az=66.0.

ISC	**XII**	**14 16 42 06.5–.89**	**32.9N–.10**	**92.2E–.10**	**35**	**3.5b**	**26**	**7-69**
ISCJB	XII	14 16 42 04.2–.88	32.9N–.10	92.2E–.10	33	3.5b		¶12077475
IDC	XII	14 16 42 05.7–8.6	32.90N	93.04E	0	3.6,3.5b		
NEIC	XII	14 16 42 06.6–.92	32.93N	92.20E	35	3.6,3.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=9.6km az=148.9.
IDC Error ellipse: s-maj=254.0km s-min=40.1km az=96.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=10.2km az=153.0.

IDC	**XII**	**17 07 41 16.5–1.1**	**34.31N**	**81.62E**	**0**	**3.8,3.6**		
								¶12077885

IDC Error ellipse: s-maj=42.5km s-min=22.8km az=55.0.

ISC	**XII**	**21 03 46 43.4–1.9**	**32.36N–.05**	**90.29E–.09**	**14–14**	**3.4b,2.9s**	**40**	**3-83**
ISCJB	XII	21 03 46 40.9–1.8	32.34N–.06	90.28E–.09	10–14	3.4b,2.9s		¶12078412
IDC	XII	21 03 46 40.1–.91	32.18N	89.95E	0	3.7,3.6		
NEIC	XII	21 03 46 42.3–.54	32.36N	90.33E	10	3.7,3.6		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=9.4km az=8.5.
IDC Error ellipse: s-maj=34.1km s-min=18.8km az=59.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=6.7km az=96.0.

ISC	**XII**	**23 01 35 37.8–1.2**	**29.89N–.07**	**90.64E–.06**	**19–10**	**3.5b**	**44**	**0-86**
DMN	XII	23 01 35 19.5–13	31.10N	91.26E	10–0	4.9b		¶11527777
IDC	XII	23 01 35 34.2–.96	29.75N	90.45E	0	3.7,3.6L		
ISCJB	XII	23 01 35 36.9–1.0	29.87N–.08	90.59E–.06	26–10	3.5b,3.6L		
NEIC	XII	23 01 35 36.4–.55	29.89N	90.64E	10	3.5b,3.6L		

ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=307.7km s-min=23.2km az=53.0.
IDC Error ellipse: s-maj=37.9km s-min=17.6km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=7.5km az=156.9.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.9km az=157.0.

ISC	**XII**	**24 17 37 34.8–1.4**	**30.9N–.10**	**83.4E–.20**	**35**	**3.5b**	**15**	**7-70**
IDC	XII	24 17 37 29.8–1.8	30.73N	83.42E	0	3.6b,3.6		¶12078832
ISCJB	XII	24 17 37 32.4–1.4	30.9N–.10	83.4E–.20	33	3.5b,3.6		
NEIC	XII	24 17 37 35.0–1.4	30.86N	83.44E	35	3.7b,3.6		

ISC Event type se.
IDC Error ellipse: s-maj=56.1km s-min=21.6km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=31.0km s-min=12.3km az=141.8.
NEIC Event type se. Error ellipse: s-maj=34.0km s-min=12.9km az=54.0.

IDC	**XII**	**24 17 39 05.7–1.6**	**30.65N**	**83.86E**	**0**	**3.5,3.4b**		
								¶12078833

IDC Error ellipse: s-maj=53.4km s-min=21.7km az=58.0.

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ISC	**VII**	**01 03 45 17.1–3.0**	**31.72N–.09**	**104.4E–.40**	**6–32**	**3.7b**	**7**	**1-62**
IDC	VII	01 03 45 12.7–33	31.91N	103.80E	0	3.8,3.6		¶11479792
BJI	VII	01 03 45 20.0	31.75N	104.46E	12	3.1L,3.6		

IDC Error ellipse: s-maj=779.7km s-min=46.9km az=123.0.

ISC	**VII**	**01 19 19 03.6–1.6**	**31.04N–.05**	**103.34E–.07**	**5–10**	**3.4b**	**15**	**0-62**
IDC	VII	01 19 19 02.9–1.3	31.35N	104.16E	0	3.6,3.4b		¶11479803
BJI	VII	01 19 19 06.0	30.92N	103.42E	12	3.3L,3.2s		

IDC Error ellipse: s-maj=203.7km s-min=23.7km az=56.0.

ISC	**VII**	**01 19 57 54.6–.77**	**31.33N–.02**	**103.97E–.03**	**13–5**	**4.4b,3.6s**	**144**	**0-86**
IDC	VII	01 19 57 52.5–.55	31.34N	103.93E	0	4.3,4.2		¶13379080
BJI	VII	01 19 57 53.9	31.29N	104.06E	14	4.6b,4.5b		
ISCJB	VII	01 19 57 54.6–.68	31.28N–.03	103.92E–.04	29–5	4.4b,3.6s		
MOS	VII	01 19 57 55.2–.96	31.34N	103.99E	32	4.7b,3.6s		
NEIC	VII	01 19 57 56.2–2.1	31.39N	103.97E	25–15	4.5b,3.6s		

ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=11.9km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.2km az=166.5.
MOS Error ellipse: s-maj=11.0km s-min=6.2km az=106.7.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=70.0.

BJI	**VII**	**02 08 31 01.9**	**32.84N**	**105.67E**	**17**	**4.3b,4.1b**		
								¶11479809

ISC	**VII**	**02 12 59 44.4–.85**	**31.80N–.04**	**104.28E–.07**	**1–8**	**3.4b**	**15**	**1-62**
IDC	VII	02 12 59 44.0–1.3	31.87N	104.46E	0	4.0L,3.6		¶11479812
BJI	VII	02 12 59 47.9	31.69N	104.34E	16	3.1L,3.6		

IDC Error ellipse: s-maj=59.8km s-min=24.4km az=62.0.

ISC	**VII**	**02 16 04 59.4–1.2**	**31.35N–.05**	**103.97E–.09**	**16–9**	**3.5b**	**20**	**0-62**
ISCJB	VII	02 16 04 57.0–.89	31.32N–.03	104.16E–.07	12–7	3.5b		¶11479814
IDC	VII	02 16 04 56.2–1.1	31.24N	103.86E	0	3.6,3.5b		
NEIC	VII	02 16 04 57.9–.66	31.28N	103.91E	10	4.4b,3.5b		
BJI	VII	02 16 04 59.4	31.42N	104.07E	15	3.3L,3.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.3km az=178.9.
IDC Error ellipse: s-maj=43.0km s-min=18.7km az=56.0.
NEIC Event type se. Error ellipse: s-maj=32.6km s-min=11.0km az=64.0.

ISC	**VII**	**02 18 16 00.7–1.2**	**31.07N–.04**	**103.39E–.07**	**7–7**	**3.4b**	**17**	**0-69**
IDC	VII	02 18 15 59.7–1.1	30.93N	103.52E	0	3.4,3.3b		¶11479815
NEIC	VII	02 18 16 01.3–.67	30.96N	103.60E	10	4.1b,3.3b		
BJI	VII	02 18 16 02.1	31.05N	103.43E	14	3.4L,3.3b		

ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=20.1km az=66.0.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=11.2km az=86.0.

ISC	**VII**	**02 21 16 10.3–1.1**	**31.23N–.05**	**103.97E–.07**	**13–10**	**3.5b**	**16**	**0-62**
IDC	VII	02 21 16 07.8–1.3	31.78N	104.83E	0	3.7L,3.7		¶11479816
ISCJB	VII	02 21 16 08.5–1.7	31.30N–.05	104.0E–.10	5–14	3.5b,3.7		
BJI	VII	02 21 16 11.3	31.29N	104.02E	13	3.3L,3.7		

IDC Error ellipse: s-maj=74.4km s-min=21.8km az=56.0.
ISCJB Error ellipse: s-maj=15.2km s-min=7.7km az=1.2.

ISC	**VII**	**02 22 01 17.0–.37**	**32.31N–.04**	**105.26E–.04**	**10**	**3.9b**	**40**	**2-80**
ISCJB	VII	02 22 01 14.8–.38	32.27N–.04	105.30E–.05	10	3.9b		¶11479818
IDC	VII	02 22 01 16.1–.82	32.37N	105.19E	0	3.9,3.8b		
NEIC	VII	02 22 01 17.6–.49	32.38N	105.18E	10	3.9b,3.8b		
BJI	VII	02 22 01 18.5	32.33N	105.22E	14	4.4b,4.0L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=5.2km az=28.1.
IDC Error ellipse: s-maj=31.4km s-min=16.2km az=54.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.6km az=80.0.

ISC	**VII**	**02 23 51 10.6–1.8**	**27.52N–.03**	**102.84E–.05**	**14–12**	**4.0b,3.5s**	**56**	**2-67**
IDC	VII	02 23 51 07.6–.83	27.34N	102.73E	0	4.0,3.9		¶11479821
BJI	VII	02 23 51 08.8	27.35N	102.78E	12	4.5b,4.4s		
NEIC	VII	02 23 51 09.7–.40	27.51N	102.87E	10	4.2b,4.4s		
ISCJB	VII	02 23 51 11.4–.30	27.51N–.03	102.74E–.05	33	4.0b,3.5s		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

ISC	**VII**	**03 00 01 56.2–.94**	**31.30N–.08**	**104.29E–.07**	**7–10**	**3.4b**	**13**	**1-59**
IDC	VII	03 00 01 58.3–1.5	31.55N	103.91E	0	3.6,3.5b		¶11479822
BJI	VII	03 00 01 59.4	31.48N	103.99E	17	3.3L,3.5b		

IDC Error ellipse: s-maj=87.7km s-min=24.4km az=58.0.

ISC	**VII**	**03 03 50 02.0–.33**	**32.68N–.03**	**105.14E–.05**	**10**	**4.1b**	**48**	**2-80**
ISCJB	VII	03 03 49 59.9–.34	32.66N–.03	105.15E–.05	10	4.1b		¶11479826
IDC	VII	03 03 50 00.1–.81	32.64N	105.02E	0	4.1,4.0L		
BJI	VII	03 03 50 01.4	32.70N	105.19E	16	4.9b,4.5b		
NEIC	VII	03 03 50 01.6–.39	32.64N	105.11E	10	4.2b,4.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.1km az=17.3.
IDC Error ellipse: s-maj=31.3km s-min=16.7km az=53.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.5km az=81.0.

ISC	**VII**	**03 04 08 12.7–.86**	**31.19N–.03**	**103.46E–.06**	**13–5**	**4.0b**	**44**	**0-144**
IDC	VII	03 04 08 09.8–.84	31.13N	103.52E	0	4.0,3.9L		¶11479827
ISCJB	VII	03 04 08 11.1–.81	31.26N–.03	103.54E–.07	14–5	4.0b,3.9L		
NEIC	VII	03 04 08 11.5–.35	31.13N	103.59E	10	4.4b,3.9L		
BJI	VII	03 04 08 12.4	31.19N	103.68E	14	4.7b,4.3b		

ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=16.7km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.2km az=169.5.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.8km az=85.0.

ISC	**VII**	**03 10 46 05.6–1.1**	**31.85N–.05**	**104.33E–.06**	**12–9**	**3.7b**	**18**	**1-62**
IDC	VII	03 10 46 03.4–1.1	31.80N	104.18E	0	3.8,3.7b		¶11479832
NEIC	VII	03 10 46 05.0–.64	31.72N	104.06E	10	4.3b,3.7b		
BJI	VII	03 10 46 06.1	31.90N	104.35E	12	3.4s,3.3L		

ISC Event type se.
IDC Error ellipse: s-maj=88.3km s-min=18.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=10.6km az=61.0.

ISC	**VII**	**04 03 44 20.6–.69**	**31.74N–.05**	**104.33E–.06**	**10**	**3.7b**	**19**	**4-64**
ISCJB	VII	04 03 44 18.6–.69	31.80N–.06	104.30E–.07	10	3.7b		¶11479844
IDC	VII	04 03 44 19.1–.92	31.44N	103.60E	0	3.8,3.6b		
NEIC	VII	04 03 44 20.3–.69	32.22N	104.92E	10	3.8b,3.6b		
BJI	VII	04 03 44 23.4	31.74N	104.36E	17	3.6L,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=8.0km az=174.2.
IDC Error ellipse: s-maj=46.2km s-min=17.2km az=53.0.
NEIC Event type se. Error ellipse: s-maj=58.3km s-min=11.7km az=53.0.

ISC	**VII**	**04 04 59 35.7–.80**	**31.24N–.03**	**103.78E–.10**	**13–6**	**4.1b**	**15**	**0-72**
IDC	VII	04 04 59 33.7–1.0	31.14N	103.62E	0	4.2,4.1		¶11479845
ISCJB	VII	04 04 59 35.6–1.0	31.19N–.07	103.9E–.10	26–7	4.1b,4.1		
BJI	VII	04 04 59 36.7	31.18N	103.84E	16	3.6s,3.6L		

IDC Error ellipse: s-maj=43.8km s-min=20.2km az=57.0.
ISCJB Error ellipse: s-maj=17.6km s-min=8.4km az=28.6.

ISC	**VII**	**04 18 20 15.3–.60**	**32.47N–.06**	**105.46E–.07**	**10**	**3.4b**	**14**	**2-62**
ISCJB	VII	04 18 20 14.6–.69	32.41N–.07	105.37E–.09	10	3.4b		¶11479848
IDC	VII	04 18 20 14.5–1.5	32.47N	105.48E	0	3.5,3.3b		
BJI	VII	04 18 20 16.1	32.48N	105.47E	16	3.2L,3.1s		

ISCJB Error ellipse: s-maj=13.3km s-min=6.1km az=40.2.
IDC Error ellipse: s-maj=100.2km s-min=26.9km az=58.0.

ISC	**VII**	**04 18 52 16.2–.31**	**32.52N–.03**	**105.24E–.04**	**10**	**3.8b,2.9s**	**48**	**2-80**
ISCJB	VII	04 18 52 14.0–.32	32.52N–.03	105.29E–.04	10	3.8b,2.9s		¶11479850
IDC	VII	04 18 52 14.3–.77	32.44N	105.10E	0	3.9,3.8		
BJI	VII	04 18 52 15.3	32.53N	105.27E	15	4.5b,4.2b		
NEIC	VII	04 18 52 16.1–.50	32.55N	105.27E	10	4.1b,4.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.0km az=28.4.
IDC Error ellipse: s-maj=31.9km s-min=15.1km az=54.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.7km az=81.0.

IDC	**VII**	**04 19 13 21.1–1.4**	**31.95N**	**104.75E**	**0**	**3.4,3.2b**		
								¶12698012

IDC Error ellipse: s-maj=95.6km s-min=25.3km az=58.0.

ISC	**VII**	**04 22 10 54.6–.85**	**31.77N–.03**	**104.17E–.04**	**10–5**	**4.5b**	**114**	**1-93**
ISCJB	VII	04 22 10 52.6–.97	31.80N–.03	104.21E–.04	10–6	4.5b		¶11479852
IDC	VII	04 22 10 52.6–.47	31.82N	104.32E	0	4.5,4.4		
BJI	VII	04 22 10 54.5	31.75N	104.34E	14	4.6b,4.5b		
NEIC	VII	04 22 10 54.7–.22	31.85N	104.28E	10	4.7b,4.5b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=14.5.
IDC Error ellipse: s-maj=19.6km s-min=11.4km az=53.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.8km az=70.0.

ISC	**VII**	**05 04 48 41.1–1.0**	**31.87N–.06**	**104.57E–.06**	**2–8**	**3.8b**	**27**	**1-81**
IDC	VII	05 04 48 40.8–.82	31.94N	104.66E	0	4.0L,3.9b		¶11479856
NEIC	VII	05 04 48 42.2–.46	31.94N	104.65E	10	3.9b,3.9b		
BJI	VII	05 04 48 43.7	31.96N	104.42E	12	3.7L,3.9b		

ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=16.0km az=57.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.2km az=76.0.

ISC	**VII**	**05 07 00 44.2–.77**	**31.66N–.02**	**104.17E–.03**	**0–5**	**4.6b,4.2s**	**161**	**1-163**
ISCJB	VII	05 07 00 43.9–.95	31.61N–.02	104.19E–.03	12–6	4.5b,4.2s		¶11009336
IDC	VII	05 07 00 43.5–.51	31.53N	104.19E	0	4.5,4.4b		
BJI	VII	05 07 00 44.7	31.57N	104.36E	12	4.7b,4.5b		
NEIC	VII	05 07 00 45.5–.22	31.62N	104.26E	10	4.7b,4.5b		
MOS	VII	05 07 00 47.2–.90	31.57N	104.29E	38	4.8b,4.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=4.0km az=151.8.
IDC Error ellipse: s-maj=18.9km s-min=11.9km az=53.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=5.0km az=62.0.
MOS Error ellipse: s-maj=9.7km s-min=5.9km az=108.6.

ISC	**VII**	**05 11 28 59.4–.90**	**31.46N–.04**	**104.03E–.09**	**4–7**	**3.7b**	**16**	**1-62**
IDC	VII	05 11 28 58.5–.98	31.46N	103.92E	0	3.7,3.6b		¶11479859
BJI	VII	05 11 29 01.9	31.40N	104.11E	12	3.5L,3.2s		

IDC Error ellipse: s-maj=36.1km s-min=17.7km az=60.0.

ISC	**VII**	**05 17 25 34.0–.71**	**31.13N–.04**	**103.79E–.08**	**10**	**3.3b**	**13**	**5-62**
ISCJB	VII	05 17 25 31.4–.68	31.18N–.04	103.94E–.08	10	3.3b		¶11479864
IDC	VII	05 17 25 31.9–1.4	31.00N	103.75E	0	3.4,3.3		
BJI	VII	05 17 25 34.3	30.96N	103.62E	16	3.1L,3.3		

ISCJB Error ellipse: s-maj=10.3km s-min=5.5km az=17.1.
IDC Error ellipse: s-maj=43.4km s-min=24.5km az=62.0.

ISC	**VII**	**05 18 50 12.8–.69**	**31.50N–.02**	**104.15E–.03**	**4–4**	**4.6b,3.4s**	**208**	**1-148**
ISCJB	VII	05 18 50 12.9–.90	31.45N–.02	104.20E–.03	19–6	4.6b,3.4s		¶11009349
IDC	VII	05 18 50 12.1–.52	31.50N	104.13E	0	4.5,4.4		
BJI	VII	05 18 50 13.2	31.47N	104.31E	12	4.6b,4.5b		
NEIC	VII	05 18 50 13.6–2.4	31.53N	104.19E	10–15	4.8b,4.5b		
MOS	VII	05 18 50 15.1–.80	31.47N	104.20E	33	5.0b,4.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.8km az=162.3.
IDC Error ellipse: s-maj=18.6km s-min=11.6km az=52.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.7km az=73.0.
MOS Error ellipse: s-maj=9.1km s-min=5.6km az=107.8.

ISC	**VII**	**06 02 00 20.6–.63**	**31.98N–.03**	**103.50E–.08**	**10**	**3.1b**	**19**	**1-63**
ISCJB	VII	06 02 00 18.0–.62	32.00N–.03	103.67E–.07	10	3.1b		¶11479870
IDC	VII	06 02 00 19.0–1.6	31.57N	102.59E	0	3.4,3.2		
BJI	VII	06 02 00 20.8	32.03N	103.38E	16	3.5s,3.3L		

ISCJB Error ellipse: s-maj=8.8km s-min=4.1km az=2.5.
IDC Error ellipse: s-maj=90.6km s-min=28.5km az=62.0.

ISC	**VII**	**06 05 23 40.5–.91**	**32.28N–.03**	**104.89E–.05**	**9–6**	**4.1b**	**39**	**2-80**
IDC	VII	06 05 23 38.5–.86	32.22N	104.86E	0	4.1,4.0b		¶13388314
NEIC	VII	06 05 23 40.1–.55	32.23N	104.93E	10	4.0b,4.0b		
BJI	VII	06 05 23 42.0	32.28N	104.95E	16	4.9b,4.4b		

ISC Event type se.

IDC Error ellipse: s-maj=38.9km s-min=16.3km az=55.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=10.1km az=67.0.
ISC VII 06 09 37 52.4–.63 31.12N–.03 103.71E–.05 14–4 4.1b 70 0-82
IDC VII 06 09 37 49.3–.65 30.97N 103.53E 0 4.2,4.1b **¶11479874**
ISCJB VII 06 09 37 51.9–.60 31.07N–.04 103.75E–.05 27–4 4.1b,4.1b
BJI VII 06 09 37 51.8 31.09N 103.79E 15 5.3b,4.3L
NEIC VII 06 09 37 51.4–.47 31.01N 103.56E 10 4.3b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=12.9km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.8km az=23.9.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.9km az=84.0.
ISC VII 06 19 52 16.3–.70 31.79N–.06 105.13E–.06 10 3.6b 13 1-59
ISCJB VII 06 19 52 14.4–.72 31.81N–.06 105.10E–.07 10 3.6b **¶12698048**
IDC VII 06 19 52 15.1–1.6 33.18N 107.17E 0 3.9L,3.7
BJI VII 06 19 52 18.3 31.85N 105.05E 16 3.2L,3.1
ISCJB Error ellipse: s-maj=10.7km s-min=5.4km az=135.4.
IDC Error ellipse: s-maj=72.3km s-min=27.2km az=59.0.
ISC VII 06 21 10 16.9–1.0 32.83N–.07 105.52E–.06 10 3.5b 13 3-59
IDC VII 06 21 10 14.5–1.4 32.63N 105.37E 0 3.5,3.4b **¶11479882**
ISCJB VII 06 21 10 15.0–1.2 32.87N–.09 105.39E–.08 10 3.5b,3.4b
BJI VII 06 21 10 16.6 32.79N 105.62E 14 3.7b,3.2L
IDC Error ellipse: s-maj=47.5km s-min=24.3km az=50.0.
ISCJB Error ellipse: s-maj=13.7km s-min=7.3km az=31.4.
ISC VII 07 02 29 56.9–.59 31.37N–.03 103.44E–.07 10 3.5b 21 1-59
ISCJB VII 07 02 29 54.9–.66 31.32N–.05 103.33E–.09 10 3.5b **¶11479885**
IDC VII 07 02 29 54.8–1.2 31.20N 103.42E 0 3.8,3.6L
BJI VII 07 02 29 56.8 31.32N 103.41E 17 4.3b,4.2b
ISCJB Error ellipse: s-maj=11.3km s-min=5.8km az=158.7.
IDC Error ellipse: s-maj=35.2km s-min=21.5km az=58.0.
ISC VII 07 10 43 57.4–.67 32.38N–.06 105.57E–.07 10 3.4b 11 2-62
ISCJB VII 07 10 43 54.7–.69 32.41N–.05 105.50E–.07 10 3.4b **¶11479889**
IDC VII 07 10 43 55.0–1.4 32.31N 104.99E 0 3.6,3.4b
BJI VII 07 10 43 57.0 32.64N 105.37E 14 3.4L,3.2s
ISCJB Error ellipse: s-maj=9.9km s-min=6.3km az=38.6.
IDC Error ellipse: s-maj=94.5km s-min=25.1km az=58.0.
ISC VII 07 12 22 20.6–1.0 31.51N–.03 104.11E–.06 4–7 4.0b 28 1-72
BJI VII 07 12 22 18.3 31.53N 104.04E 12 4.4b,4.2b **¶11479891**
IDC VII 07 12 22 19.3–.77 31.42N 104.12E 0 4.2,4.1
NEIC VII 07 12 22 20.9–.44 31.54N 104.35E 10 4.2,4.1
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=14.6km az=55.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=7.6km az=67.0.
ISC VII 07 13 48 04.4–1.2 31.79N–.03 104.60E–.06 19–9 4.1b 27 1-71
IDC VII 07 13 48 00.3–1.1 31.76N 104.34E 0 4.1,3.9 **¶11479892**
NEIC VII 07 13 48 02.6–.78 31.87N 104.62E 10 4.3b,3.9
BJI VII 07 13 48 03.3 31.93N 104.52E 18 4.4b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=44.7km s-min=20.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=13.7km az=87.0.
ISC VII 07 15 02 38.1–.59 31.40N–.04 104.09E–.08 10 3.4b 13 1-62
IDC VII 07 15 02 35.4–1.1 31.29N 103.81E 0 3.6,3.5 **¶11479894**
ISCJB VII 07 15 02 36.1–.59 31.47N–.04 104.08E–.08 10 3.4b,3.5
BJI VII 07 15 02 36.9 31.58N 104.11E 14 3.4L,3.5
IDC Error ellipse: s-maj=45.8km s-min=19.4km az=53.0.
ISCJB Error ellipse: s-maj=9.9km s-min=5.0km az=19.3.
BJI VII 08 08 50 54.2 32.66N 105.43E 15 3.6L
¶11479900
ISC VII 08 12 12 59.2–.75 31.36N–.02 104.04E–.03 15–5 4.7b,3.9s 174 1-114
IDC VII 08 12 12 56.3–.50 31.33N 103.98E 0 4.6,4.5 **¶11103567**
BJI VII 08 12 12 58.7 31.38N 104.11E 16 4.8b,4.7L
NEIC VII 08 12 12 58.8–.35 31.46N 103.95E 10 4.8b,4.7L
ISCJB VII 08 12 12 59.1–.74 31.32N–.03 104.06E–.03 30–5 4.7b,3.9s
MOS VII 08 12 12 59.6–.96 31.32N 104.08E 33 4.9b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=10.2km az=38.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.0km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.2km az=23.6.
MOS Error ellipse: s-maj=10.4km s-min=6.0km az=101.2.
ISC VII 08 17 14 17.6–.47 32.01N–.04 104.60E–.06 10 3.8b 24 1-67
ISCJB VII 08 17 14 15.3–.48 31.96N–.04 104.74E–.06 10 3.8b **¶11479905**
IDC VII 08 17 14 16.4–.99 32.01N 104.59E 0 3.9,3.8b
NEIC VII 08 17 14 17.6–.52 31.97N 104.48E 10 4.0b,3.8b
BJI VII 08 17 14 19.3 32.12N 104.48E 18 4.4b,3.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.4km az=37.2.
IDC Error ellipse: s-maj=43.2km s-min=17.9km az=59.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.6km az=77.0.
ISC VII 08 18 54 51.0–2.6 31.41N–.07 103.92E–.07 9–15 3.8b,2.8s 24 5-64
IDC VII 08 18 54 49.4–.95 31.37N 103.94E 0 3.8,3.7 **¶11479906**
NEIC VII 08 18 54 50.9–.57 31.41N 104.02E 10 3.8b,3.7
BJI VII 08 18 54 52.5 31.45N 104.06E 20 3.6L,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=42.2km s-min=16.9km az=53.0.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=9.7km az=60.0.
ISC VII 09 00 09 17.2–.75 31.24N–.03 103.62E–.04 9–5 4.0b,2.8s 61 0-82
IDC VII 09 00 09 15.5–.68 31.16N 103.60E 0 4.2,4.0 **¶11479909**
BJI VII 09 00 09 17.9 31.24N 103.80E 15 4.4b,4.3b
NEIC VII 09 00 09 17.2–2.9 31.16N 103.59E 12–19 3.8b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=13.7km az=52.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.6km az=63.0.
ISC VII 09 07 55 33.5–.57 31.74N–.04 104.42E–.08 10 3.5b 16 1-62
ISCJB VII 09 07 55 31.7–.58 31.74N–.04 104.48E–.08 10 3.5b **¶11479916**
IDC VII 09 07 55 31.4–1.1 31.68N 104.29E 0 3.7L,3.6
NEIC VII 09 07 55 33.0–.63 31.73N 104.37E 10 3.7L,3.6
BJI VII 09 07 55 36.1 31.76N 104.30E 15 3.5L,3.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.9km az=17.0.
IDC Error ellipse: s-maj=43.9km s-min=18.8km az=56.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=8.7km az=47.0.
ISC VII 09 08 06 42.8–.75 31.26N–.03 103.84E–.05 6–5 3.8b 23 0-62
IDC VII 09 08 06 41.5–1.0 31.20N 103.79E 0 4.0,3.9L **¶11479917**
NEIC VII 09 08 06 43.1–.58 31.19N 103.73E 10 4.0,3.9L
BJI VII 09 08 06 45.5 31.14N 103.85E 14 3.5L,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=17.9km az=56.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=8.6km az=49.0.
ISC VII 09 12 42 33.4–.66 32.17N–.04 104.92E–.08 10 3.6b 14 2-62
ISCJB VII 09 12 42 31.6–.70 32.15N–.04 104.96E–.09 10 3.6b **¶11479920**
IDC VII 09 12 42 32.3–1.3 32.06N 105.01E 0 3.6,3.5b
BJI VII 09 12 42 36.5 32.22N 104.84E 16 3.5L,3.4s
ISCJB Error ellipse: s-maj=10.6km s-min=6.0km az=10.9.
IDC Error ellipse: s-maj=43.7km s-min=24.6km az=60.0.
ISC VII 09 19 19 00.4–1.8 31.23N–.07 103.7E–.20 10 3.3b 7 0-62
BJI VII 09 19 19 01.1 30.99N 103.64E 16 2.9L **¶11479926**
IDC VII 09 19 19 07.4–26 30.37N 104.85E 0 3.4,3.2b
IDC Error ellipse: s-maj=619.1km s-min=45.2km az=120.0.
ISC VII 09 21 20 31.2–.42 32.19N–.03 104.92E–.04 10 3.5b 26 2-62
ISCJB VII 09 21 20 29.7–.44 32.17N–.04 104.89E–.05 10 3.5b **¶11479928**
IDC VII 09 21 20 29.6–1.0 32.10N 104.83E 0 3.6,3.5b
NEIC VII 09 21 20 31.0–.44 32.14N 104.79E 10 3.9b,3.5b
BJI VII 09 21 20 33.4 32.30N 104.81E 13 3.3L,3.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.0km az=39.2.
IDC Error ellipse: s-maj=37.5km s-min=18.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.2km az=63.0.
ISC VII 09 23 19 50.0–.68 32.25N–.02 105.07E–.03 2–4 4.4b,3.8s 133 2-93
IDC VII 09 23 19 49.8–.63 32.24N 105.05E 0 4.3b,4.3 **¶13388615**
NEIC VII 09 23 19 51.2–.28 32.26N 105.06E 10 4.6b,4.3
BJI VII 09 23 19 52.1 32.24N 105.12E 19 4.6b,4.4b
MOS VII 09 23 19 52.5–.86 32.22N 105.04E 33 4.8b,4.4b

ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=13.4km az=35.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.8km az=70.0.
MOS Error ellipse: s-maj=10.6km s-min=6.4km az=109.5.
BJI VII 10 14 05 15.6 30.73N 103.57E 17 3.5L,2.9s
¶11479934
ISC VII 10 19 36 03.1–.89 32.11N–.03 104.18E–.04 10–6 4.0b 51 1-73
IDC VII 10 19 36 01.9–.82 32.26N 104.12E 0 3.9b,3.9 **¶11479938**
BJI VII 10 19 36 02.2 31.97N 104.41E 17 4.5b,4.2b
NEIC VII 10 19 36 02.9–4.3 32.19N 104.17E 8–29 4.0b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=33.4km s-min=15.6km az=54.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.4km az=70.0.
ISC VII 11 19 20 27.7–1.2 31.2N–.10 104.0E–.10 7–10 3.7b 8 0-59
ISCJB VII 11 19 20 25.0–1.2 31.2N–.10 104.1E–.10 0–10 3.8b **¶11479955**
IDC VII 11 19 20 26.1–1.4 31.11N 103.80E 0 3.8,3.6b
BJI VII 11 19 20 28.7 31.21N 103.89E 17 3.2L,3.6b
ISCJB Error ellipse: s-maj=24.5km s-min=6.7km az=140.8.
IDC Error ellipse: s-maj=92.0km s-min=24.4km az=60.0.
ISC VII 12 14 37 28.7–1.1 31.65N–.03 104.41E–.05 1–7 3.9b 31 1-63
IDC VII 12 14 37 28.2–.84 31.74N 104.45E 0 3.9,3.8 **¶11479966**
NEIC VII 12 14 37 30.9–4.0 31.70N 104.49E 19–27 3.5b,3.8
BJI VII 12 14 37 31.5 31.68N 104.35E 21 3.6L,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=57.4km s-min=15.5km az=60.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.2km az=55.0.
ISC VII 12 15 09 00.9–.74 32.89N–.05 105.44E–.06 10 3.5b 16 2-62
ISCJB VII 12 15 08 58.3–.75 32.95N–.05 105.48E–.06 10 3.5b **¶11479968**
BJI VII 12 15 08 59.6 32.66N 105.29E 15 3.7L,3.4s
IDC VII 12 15 08 59.1–1.4 32.89N 105.40E 0 3.5,3.3b
ISCJB Error ellipse: s-maj=7.7km s-min=6.9km az=36.7.
IDC Error ellipse: s-maj=61.8km s-min=26.1km az=61.0.
ISC VII 13 13 10 41.1–.63 27.27N–.05 102.9E–.10 10 3.4b 11 2-59
ISCJB VII 13 13 10 39.0–.63 27.27N–.05 102.8E–.20 10 3.4b **¶11479976**
IDC VII 13 13 10 39.9–.96 27.35N 102.89E 0 3.5L,3.5
BJI VII 13 13 10 40.9 27.34N 102.73E 10 3.2L,3.5
ISCJB Error ellipse: s-maj=19.5km s-min=6.6km az=179.1.
IDC Error ellipse: s-maj=31.4km s-min=18.3km az=64.0.
ISC VII 13 16 13 14.2–1.2 31.51N–.04 103.51E–.04 6–9 3.8b 35 1-64
IDC VII 13 16 13 12.1–.98 31.51N 103.23E 0 3.8,3.7b **¶11479978**
BJI VII 13 16 13 15.1 31.41N 103.37E 19 4.2b,4.0L
NEIC VII 13 16 13 15.6–2.9 31.55N 103.28E 23–23 3.9b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=34.6km s-min=18.3km az=57.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.6km az=71.0.
ISC VII 14 00 17 51.0–.81 32.38N–.03 105.08E–.03 9–5 4.2b 121 2-94
ISCJB VII 14 00 17 48.5–.81 32.38N–.03 105.11E–.03 6–5 4.2b **¶11159734**
IDC VII 14 00 17 49.9–.71 32.45N 105.08E 0 4.1b,4.1
BJI VII 14 00 17 51.6 32.42N 105.16E 17 4.4b,4.3b
NEIC VII 14 00 17 51.3–.24 32.42N 105.06E 10 4.3b,4.3b
SZGRF VII 14 00 18 27.0 37.12N 102.38E 33 4.5b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.4km az=148.4.
IDC Error ellipse: s-maj=29.4km s-min=15.2km az=53.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.1km az=55.0.
SZGRF Gansu, China.
ISC VII 14 19 56 33.4–.86 31.62N–.02 104.16E–.03 4–5 4.1b,3.3s 107 1-86
IDC VII 14 19 56 33.0–.76 31.63N 104.25E 0 4.1,4.0 **¶11159737**
ISCJB VII 14 19 56 33.8–1.2 31.54N–.03 104.11E–.04 15–7 4.1b,3.3s
NEIC VII 14 19 56 34.6–.30 31.62N 104.16E 10 4.0b,3.3s
BJI VII 14 19 56 35.1 31.51N 104.26E 17 4.5b,4.5b
MOS VII 14 19 56 35.3–.82 31.56N 104.18E 33 4.3b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=15.1km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=5.0km az=42.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.7km az=76.0.
MOS Error ellipse: s-maj=13.5km s-min=8.7km az=106.6.
ISC VII 15 09 26 21.6–.71 31.54N–.02 104.12E–.02 5–4 4.9b,4.1s 457 1-148
IDC VII 15 09 26 20.0–.51 31.54N 104.15E 0 4.8,4.7 **¶13389246**
ISCJB VII 15 09 26 20.7–.82 31.50N–.02 104.13E–.02 12–5 4.9b,4.1s
BJI VII 15 09 26 21.4 31.48N 104.27E 15 4.9L,4.8b
NEIC VII 15 09 26 22.2–.14 31.56N 104.12E 10 5.0b,4.3s
MOS VII 15 09 26 23.5–.97 31.53N 104.22E 33 5.1b,4.2s
DJA VII 15 09 26 28 30.41N 103.29E 27 5.5b,4.2s
SZGRF VII 15 09 26 36.4 32.76N 103.35E 33 5.3b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=17.2km s-min=11.8km az=51.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=35.1.
NEIC Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=41.0. Felt at Nanchong.
MOS Error ellipse: s-maj=6.9km s-min=4.3km az=113.8.
SZGRF Sichuan, China.
ISC VII 15 13 24 32.0–.98 28.26N–.03 103.54E–.05 5–6 3.9b,2.9s 40 3-70
IDC VII 15 13 24 30.6–.71 28.27N 103.65E 0 4.0,3.9b **¶11479999**
BJI VII 15 13 24 31.9 28.16N 103.53E 16 4.8b,4.5b
NEIC VII 15 13 24 32.3–.49 28.27N 103.58E 10 4.0b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=14.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.5km az=74.0.
BJI VII 16 01 31 58.4 31.13N 103.36E 11 3.7L
¶11480007
BJI VII 16 09 39 14.3 32.01N 104.23E 9 3.6L,3.4s
¶11480012
ISC VII 16 22 20 54.5–.80 32.26N–.03 105.03E–.03 13–5 4.2b,3.7s 86 2-99
ISCJB VII 16 22 20 51.8–.81 32.28N–.03 105.08E–.03 8–5 4.2b,3.7s **¶13389415**
IDC VII 16 22 20 52.9–1.7 32.31N 104.98E 0 4.3,4.2
BJI VII 16 22 20 53.7 32.34N 105.16E 9 4.5b,4.1b
NEIC VII 16 22 20 54.0–.29 32.31N 105.01E 10 4.3b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.4km az=139.9.
IDC Error ellipse: s-maj=38.4km s-min=22.8km az=2.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.5km az=65.0.
ISC VII 17 05 34 55.8–.36 32.65N–.03 105.52E–.03 10 4.0b 34 2-64
ISCJB VII 17 05 34 54.1–.41 32.68N–.04 105.58E–.04 10 4.0b **¶11480027**
IDC VII 17 05 34 54.2–.80 32.58N 105.49E 0 4.0,3.9b
BJI VII 17 05 34 56.3 32.63N 105.65E 10 4.2b,4.1b
NEIC VII 17 05 34 59.9–.80 32.98N 105.12E 10 4.4b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.8km az=160.3.
IDC Error ellipse: s-maj=38.0km s-min=15.9km az=51.0.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=12.2km az=223.0.
ISC VII 17 16 40 42.9–.12 31.64N–.02 104.21E–.02 17 4.9b,4.2s 514 1-163
IDC VII 17 16 40 40.0–.40 31.66N 104.29E 0 4.7,4.7 **¶13389448**
ISCJB VII 17 16 40 40.7–.13 31.63N–.02 104.23E–.02 16 4.9b,4.2s
NEIC VII 17 16 40 42.6–.13 31.64N 104.20E 16 5.1b,4.4s
BJI VII 17 16 40 42.2 31.60N 104.32E 17 4.8b,4.7s
MOS VII 17 16 40 43.0–.77 31.64N 104.30E 33 5.1b,4.3s
SZGRF VII 17 16 40 45.3 31.54N 104.33E 16 5.4b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=10.0km az=53.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.7km az=12.9.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=204.0. Felt at Chengdu.
MOS Error ellipse: s-maj=6.8km s-min=3.9km az=117.9.
SZGRF Sichuan, China.
ISC VII 18 01 26 04.4–.87 32.29N–.02 105.26E–.03 13–6 4.1b 56 2-73
IDC VII 18 01 26 02.0–.67 32.36N 105.26E 0 4.1,4.0b **¶11480036**
BJI VII 18 01 26 03.8 32.38N 105.42E 18 4.6b,4.6b
NEIC VII 18 01 26 03.9–.39 32.39N 105.34E 10 4.2b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=13.2km az=54.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.7km az=58.0.
ISC VII 18 03 37 22.0–1.2 30.8N–.20 102.10E–.08 10 3.5b 5 1-62

ISCJB VII 18 03 37 19.9–1.2 30.7N–.20 102.08E–.08 10 3.5b ¶11480038
IDC VII 18 03 37 20.2–2.0 31.36N 103.03E 0 3.6,3.4b
BJI VII 18 03 37 22.6 30.72N 102.10E 9 3.0L,3.4b
ISCJB Error ellipse: s-maj=25.7km s-min=10.2km az=174.2.
IDC Error ellipse: s-maj=419.1km s-min=27.5km az=52.0.
ISC VII 19 06 38 02.8–.56 32.22N–.05 105.21E–.06 10 3.6b 17 2-68
ISCJB VII 19 06 38 00.6–.56 32.19N–.05 105.28E–.06 10 3.6b ¶11480049
IDC VII 19 06 38 02.3–.94 32.29N 105.39E 0 3.7,3.6b
BJI VII 19 06 38 03.8 32.36N 105.20E 12 3.5L,3.6b
ISCJB Error ellipse: s-maj=9.1km s-min=5.2km az=135.5.
IDC Error ellipse: s-maj=38.0km s-min=18.6km az=56.0.
ISC VII 19 11 43 14.8–.83 32.11N–.03 104.81E–.05 0–6 3.9b 28 1-64
IDC VII 19 11 43 14.4–.92 32.04N 104.67E 0 3.8b,3.8 ¶11480052
BJI VII 19 11 43 17.1 32.14N 104.84E 9 3.6L,3.8
NEIC VII 19 11 43 18.6–.64 32.52N 104.76E 10 3.6L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=17.8km az=50.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=11.8km az=55.0.
ISC VII 20 14 55 12.3–2.1 32.20N–.07 105.01E–.07 1–12 3.3b 10 4-62
IDC VII 20 14 55 11.7–1.4 32.13N 104.79E 0 3.4,3.3b ¶11480065
BJI VII 20 14 55 15.1 32.43N 104.94E 14 3.0L,3.3b
IDC Error ellipse: s-maj=44.2km s-min=25.5km az=60.0.
ISC VII 22 01 09 33.5–.31 32.44N–.03 105.16E–.04 10 4.0b 69 2-80
ISCJB VII 22 01 09 31.5–.34 32.42N–.03 105.16E–.05 10 4.0b ¶13389791
IDC VII 22 01 09 31.6–.76 32.47N 105.12E 0 4.0,3.9b
NEIC VII 22 01 09 33.9–.47 32.50N 105.06E 10 4.1b,3.9b
BJI VII 22 01 09 33.5 32.44N 105.18E 16 4.4b,4.3b
MOS VII 22 01 09 34.5–1.1 32.47N 105.12E 33 4.2b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.2km az=1.1.
IDC Error ellipse: s-maj=27.7km s-min=15.1km az=56.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.3km az=62.0.
MOS Error ellipse: s-maj=18.9km s-min=9.2km az=108.5.
ISC VII 22 08 56 50.9–1.5 32.37N–.04 105.46E–.05 6–10 3.6b 17 2-64
ISCJB VII 22 08 56 50.1–1.5 32.35N–.04 105.44E–.05 11–10 3.6b ¶11480079
IDC VII 22 08 56 51.0–1.2 32.44N 105.45E 0 3.8L,3.7
BJI VII 22 08 56 52.7 32.60N 105.40E 15 3.7L,3.7b
ISCJB Error ellipse: s-maj=8.0km s-min=5.9km az=142.9.
IDC Error ellipse: s-maj=49.4km s-min=22.1km az=50.0.
ISC VII 22 13 36 40.1–.43 32.54N–.03 105.46E–.05 10 3.7b 31 2-56
ISCJB VII 22 13 36 37.0–.44 32.54N–.03 105.56E–.04 10 3.7b ¶11480082
NEIC VII 22 13 36 40.5–.79 32.87N 105.89E 10 3.7b
BJI VII 22 13 36 41.7 32.61N 105.33E 16 3.9b,3.8b
IDC VII 22 13 36 42.5–2.2 32.97N 105.27E 0 3.8b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.2km az=37.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=11.7km az=66.0.
IDC Error ellipse: s-maj=41.3km s-min=34.2km az=18.0.
ISC VII 22 19 37 22.9–1.1 31.60N–.04 104.10E–.07 19–7 3.6b 26 1-62
IDC VII 22 19 37 20.3–1.1 31.59N 104.22E 0 3.4L,3.4 ¶11480085
BJI VII 22 19 37 21.4 31.65N 104.36E 16 3.8L,3.5s
NEIC VII 22 19 37 21.3–.60 31.57N 104.06E 10 4.4b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=20.8km az=64.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=10.4km az=57.0.
BJI VII 22 19 43 57.4 32.77N 105.67E 14 3.6L,3.3s
¶11480086
ISC VII 22 21 11 19.1–.99 31.63N–.03 104.60E–.05 11–7 3.9b 34 1-72
IDC VII 22 21 11 14.7–1.4 31.62N 104.37E 0 3.5,3.4b ¶11480088
BJI VII 22 21 11 16.1 31.77N 104.47E 11 3.7L,3.3s
ISCJB VII 22 21 11 17.5–.99 31.62N–.04 104.64E–.05 14–7 3.9b,3.3s
NEIC VII 22 21 11 19.8–.44 31.52N 104.38E 10 4.1b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=23.8km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=6.0km az=36.4.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.7km az=72.0.
BJI VII 22 21 16 26.8 32.22N 104.81E 18 3.5s,3.5
¶11480089
ISC VII 23 17 30 17.8–.92 32.51N–.03 105.13E–.04 4–6 4.3b 128 2-75
IDC VII 23 17 30 16.1–.89 32.49N 105.30E 0 4.2b,4.2 ¶13389921
ISCJB VII 23 17 30 17.0–1.2 32.45N–.03 105.15E–.04 15–9 4.3b,4.2
MOS VII 23 17 30 18.5–.69 32.47N 105.08E 23 4.4b,4.2
BJI VII 23 17 30 18.0 32.47N 105.28E 16 5.1b,4.5b
NEIC VII 23 17 30 19.3–2.4 32.46N 105.07E 16–15 4.5b,4.5b
SZGRF VII 23 17 30 53.2 37.26N 103.01E 33 4.8b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=16.4km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.0km az=33.2.
MOS Error ellipse: s-maj=10.9km s-min=7.3km az=125.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=6.3km az=126.0.
SZGRF Gansu, China.
ISC VII 23 19 54 45.0–.53 32.83N–.01 105.54E–.02 6–3 5.6b,5.2s 1186 2-175
BGS VII 23 19 54 26.6–1.4 31.77N 106.52E 10–0 5.5b,5.3s ¶12951595
BJI VII 23 19 54 42.9 32.72N 105.63E 10 5.8b,5.7s
ISCJB VII 23 19 54 43.8–.08 32.83N–.01 105.54E–.02 10 5.6b,5.2s
IDC VII 23 19 54 43.4–.36 32.78N 105.60E 0 5.4,5.4b
NEIC VII 23 19 54 44.2–.10 32.75N 105.50E 4 5.8b,5.7
TEH VII 23 19 54 45.0 32.78N 105.55E 10 5.8b,5.7
MOS VII 23 19 54 45.2–.83 32.78N 105.60E 23 5.9b,5.1s
GCMT VII 23 19 54 47.2–.20 32.71N 105.61E 12 5.5W,5.1s
SZGRF VII 23 19 54 47.9 32.60N 105.87E 33 6.0b,5.4s
DJA VII 23 19 54 49 32.76N 105.32E 19 5.9W,5.4s
ISC Event type de.
BGS Error ellipse: s-maj=269.2km s-min=383.6km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.1km s-min=1.8km az=39.0.
IDC Error ellipse: s-maj=13.2km s-min=8.9km az=47.0.
NEIC Event type de. Error ellipse: s-maj=3.1km s-min=2.4km az=192.0. Casualties and damage are included with the event on July 24 at 07:09 UTC. Felt [IV] at Baoji and Hanzhong; [III] at Xi'an. Felt at Ankang, Chengdu, Deyang, Guangyuan, Leshan, Mianyang and Nanchong. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
MOS Error ellipse: s-maj=5.8km s-min=3.3km az=120.9.
GCMT Event type se. Data Used: II IU G IC CN. Surface waves: sta= 85, comp=171, per= 50. Moment Tensor Solution. s34,c38; s7,c7; Moment tensor: Scale 10^{17}Nm; M_{rr}1.90±.04 $M_{\theta\theta}$-0.12±.03; $M_{\phi\phi}$-1.79±.03; $M_{r\theta}$0.70±.15; $M_{\theta\phi}$0.18±.03; $M_{\phi r}$-0.17±.11; Best double couple: NP1:ϕ_s10.00000°,δ44.00000°,λ115.00000°. NP2:ϕ_s157.00000°,δ51.00000°,λ68.00000°. Principal axes: T 2.1200,Plg73.0000°,Azm5.0000°; N -0.3000,Plg17.0000°,Azm171.0000° ; P -1.8300,Plg4.0000°,Azm262.0000° M_o2.00000×10^{17}
SZGRF Sichuan, China.
ISC VII 23 23 42 45.6–.38 32.74N–.03 105.60E–.04 10 3.4b 31 2-74
ISCJB VII 23 23 42 44.0–.41 32.72N–.03 105.52E–.05 10 3.4b ¶11480106
IDC VII 23 23 42 44.4–1.2 32.75N 105.48E 0 3.6L,3.6
BJI VII 23 23 42 45.0 32.81N 105.56E 9 3.7L,3.6b
NEIC VII 23 23 42 46.2–.54 32.81N 105.45E 10 3.7b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=171.8.
IDC Error ellipse: s-maj=51.4km s-min=23.1km az=58.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.0km az=73.0.
ISC VII 24 01 25 35.1–1.2 32.72N–.07 105.51E–.06 6–11 3.7b 18 2-64
IDC VII 24 01 25 34.1–1.4 32.31N 104.87E 0 3.7,3.6b ¶11480107
BJI VII 24 01 25 35.1 32.82N 105.52E 13 3.7b,3.4L
IDC Error ellipse: s-maj=94.9km s-min=24.7km az=59.0.
ISC VII 24 05 30 11.3–.15 32.74N–.02 105.53E–.02 10 4.7b,4.3s 286 2-147
BJI VII 24 05 30 09.2 32.75N 105.57E 10 5.0L,4.9s ¶13389962
ISCJB VII 24 05 30 09.4–.16 32.72N–.02 105.53E–.02 10 4.7b,4.3s
IDC VII 24 05 30 09.1–.59 32.83N 105.67E 0 4.5,4.5
SZGRF VII 24 05 30 10.1 32.11N 105.88E 33 4.8b,4.5
NEIC VII 24 05 30 11.4–.19 32.78N 105.49E 10 4.8b,4.5
MOS VII 24 05 30 12.4–1.0 32.78N 105.56E 31 4.9b,4.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.0km s-min=2.6km az=137.5.
IDC Error ellipse: s-maj=17.1km s-min=13.5km az=55.0.
SZGRF Sichuan, China.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=4.0km az=177.0.
MOS Error ellipse: s-maj=7.5km s-min=5.2km az=112.5.
ISC VII 24 07 09 29.3–.57 32.81N–.01 105.57E–.01 3–3 5.5b,5.4s 1381 2-175
TEH VII 24 07 06 09.0 32.81N 105.60E 10 5.5b,5.4s ¶13389968
BGS VII 24 07 09 27.3–1.4 32.31N 105.56E 10–0 5.6s,5.3b
BJI VII 24 07 09 27.7 32.76N 105.61E 10 6.0s,5.7L
ISCJB VII 24 07 09 28.6–.08 32.77N–.01 105.50E–.01 10 5.5b,5.4s
IDC VII 24 07 09 28.4–.43 32.81N 105.67E 0 5.5,5.5
SZGRF VII 24 07 09 29.7 32.15N 105.74E 33 5.9b,5.6s
MOS VII 24 07 09 29.8–.87 32.80N 105.60E 21 5.7b,5.3s
NEIC VII 24 07 09 30.1–.11 32.75N 105.54E 10 5.7W,5.6b
GCMT VII 24 07 09 31.8–.10 32.82N 105.55E 13–0 5.6W,5.6b
DJA VII 24 07 09 33 32.73N 105.49E 10 5.9W,5.6b
ISC Event type de.
BGS Error ellipse: s-maj=286.0km s-min=427.0km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=2.0km s-min=1.8km az=17.4.
IDC Error ellipse: s-maj=13.8km s-min=10.9km az=35.0.
SZGRF Sichuan, China.
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=120.5.
NEIC Event type de. Error ellipse: s-maj=3.4km s-min=2.6km az=193.0. One person killed, 17 injured and 1,200 houses destroyed in Sichuan. Felt [IV] at Chengdu and [II] at Xi'an. Also felt at Baoji, Beidao, Chongqing, Deyang, Hanzhong, Mianyang, Nanchong, Xianyang and Yanliang.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=100, comp=196, per= 50. Moment Tensor Solution. s76,c127; s31,c34; Moment tensor: Scale 10^{17}Nm; M_{rr}1.31±.04 $M_{\theta\theta}$1.01±.04; $M_{\phi\phi}$-2.31±.04; $M_{r\theta}$0.18±.09; $M_{\theta\phi}$2.20±.03; $M_{\phi r}$0.31±.09; Best double couple: NP1:ϕ_s110.00000°,δ75.00000°,λ12.00000°. NP2:ϕ_s17.00000°,δ79.00000°,λ165.00000°. Principal axes: T 2.2100,Plg19.0000°,Azm333.0000°; N 1.2200,Plg71.0000°,Azm161.0000° ; P -3.4100,Plg2.0000°,Azm64.0000° M_o2.80000×10^{17}
BJI VII 24 08 28 20.1 31.14N 103.73E 22 3.6L
¶11480111
ISC VII 24 17 25 01.4–.80 31.21N–.03 104.02E–.06 11–7 3.6b 17 0-62
ISCJB VII 24 17 24 59.2–.84 31.13N–.04 104.22E–.05 10–8 3.6b ¶11480115
BJI VII 24 17 25 00.4 31.34N 103.93E 15 3.6L
IDC VII 24 17 25 01.8–.49 31.13N 104.49E 0 3.7L,3.6
ISCJB Error ellipse: s-maj=7.7km s-min=6.4km az=25.9.
IDC Error ellipse: s-maj=12.5km s-min=5.9km az=114.0.
ISC VII 24 20 54 17.4–.69 30.77N–.03 103.42E–.03 17–4 4.4b,3.5s 152 0-149
IDC VII 24 20 54 14.2–.68 30.71N 103.39E 0 4.4,4.3 ¶11169699
BJI VII 24 20 54 15.6 30.79N 103.53E 10 4.8b,4.4b
ISCJB VII 24 20 54 16.6–.63 30.73N–.03 103.43E–.03 27–5 4.4b,3.5s
NEIC VII 24 20 54 16.6–.25 30.83N 103.40E 10 4.6b,3.5s
MOS VII 24 20 54 17.7–.79 30.76N 103.42E 33 4.7b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=13.9km az=34.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=4.2km az=172.8.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.9km az=160.0.
MOS Error ellipse: s-maj=10.4km s-min=6.4km az=105.8.
BJI VII 24 22 03 36.7 32.76N 105.57E 16 4.1b,3.5L
¶11480121
ISC VII 24 23 59 00.5–.85 31.19N–.03 103.96E–.05 6–6 3.6b 34 0-65
BJI VII 24 23 58 58.8 31.26N 103.76E 18 3.6L,3.5 ¶11480123
IDC VII 24 23 58 58.6–1.2 31.15N 104.19E 0 3.8b,3.8
NEIC VII 24 23 58 59.8–.57 31.39N 104.93E 10 3.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=88.8km s-min=20.4km az=60.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.5km az=73.0.
ISC VII 25 07 18 34.0–1.2 31.45N–.05 103.77E–.07 19–8 4.0b 28 1-81
IDC VII 25 07 18 30.8–.82 31.44N 104.00E 0 4.0,3.8L ¶11480125
NEIC VII 25 07 18 32.6–.49 31.40N 103.81E 10 4.4b,3.8L
BJI VII 25 07 18 33.9 31.44N 104.04E 14 4.0b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=16.8km az=62.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.6km az=59.0.
ISC VII 25 13 39 53.1–.18 32.76N–.02 105.60E–.03 10 4.5b,3.7s 179 2-80
IDC VII 25 13 39 51.3–.60 32.80N 105.65E 0 4.3,4.2 ¶13390072
ISCJB VII 25 13 39 51.2–.19 32.79N–.02 105.64E–.03 10 4.5b,3.7s
BJI VII 25 13 39 51.5 32.76N 105.65E 10 4.6b,4.4b
MOS VII 25 13 39 52.9–.80 32.75N 105.64E 23 4.8b,4.4b
NEIC VII 25 13 39 53.0–.24 32.76N 105.52E 10 4.5b,4.4b
SZGRF VII 25 13 40 19.4 37.21N 104.82E 33 4.8b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=13.5km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=3.1km az=25.3.
MOS Error ellipse: s-maj=8.0km s-min=5.6km az=104.2.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.5km az=167.0.
SZGRF Western Nei Mongol, China.
ISC VII 25 19 39 39.8–.72 31.72N–.05 104.70E–.06 10 3.2b 12 1-62
ISCJB VII 25 19 39 37.4–.77 31.67N–.05 104.83E–.06 10 3.2b ¶11480128
IDC VII 25 19 39 38.6–1.6 32.14N 105.03E 0 3.8L,3.4
BJI VII 25 19 39 42.3 31.88N 104.41E 14 3.6b,3.4s
ISCJB Error ellipse: s-maj=9.1km s-min=4.9km az=39.7.
IDC Error ellipse: s-maj=76.9km s-min=25.4km az=63.0.
ISC VII 25 21 25 53.5–1.2 31.08N–.05 103.27E–.06 9–8 3.6b 26 0-64
IDC VII 25 21 25 49.5–1.2 30.59N 103.03E 0 3.6,3.5b ¶11480130
ISCJB VII 25 21 25 51.9–1.1 31.22N–.04 103.32E–.06 5–7 3.6b,3.5b
NEIC VII 25 21 25 51.1–.90 30.59N 103.10E 10 3.7b,3.5b
BJI VII 25 21 25 53.4 30.67N 103.40E 13 3.6L,3.0s
ISC Event type se.
IDC Error ellipse: s-maj=82.7km s-min=22.4km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=7.0km az=155.4.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=15.3km az=61.0.
ISC VII 25 21 27 40.0–1.4 30.73N–.06 103.22E–.08 14–9 3.9b 38 1-82
IDC VII 25 21 27 37.8–.91 30.81N 103.15E 0 4.0,3.9b ¶11480131
NEIC VII 25 21 27 39.4–.44 30.80N 103.29E 10 3.9b,3.9b
ISCJB VII 25 21 27 40.3–1.0 30.72N–.06 103.29E–.08 33–7 3.9b,3.9b
MOS VII 25 21 27 40.5–.98 30.73N 103.18E 33 4.2b,3.9b
BJI VII 25 21 27 41.3 30.79N 103.33E 9 4.8b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=19.5km az=56.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.9km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=9.6km az=18.6.
MOS Error ellipse: s-maj=19.4km s-min=9.3km az=105.8.
ISC VII 26 16 16 21.3–1.2 31.87N–.07 103.54E–.07 10 3.4b 12 1-62
ISCJB VII 26 16 16 16.7–.90 31.83N–.04 103.54E–.07 10 3.4b ¶11480140
BJI VII 26 16 16 21.2 31.59N 103.30E 14 3.5L,3.3s
IDC VII 26 16 16 21.4–1.6 32.07N 103.29E 0 3.4,3.3
ISCJB Error ellipse: s-maj=8.5km s-min=5.3km az=8.8.
IDC Error ellipse: s-maj=41.6km s-min=30.4km az=57.0.
ISC VII 26 17 03 11.1–1.1 30.74N–.04 103.54E–.07 14–6 3.3b 17 0-61
IDC VII 26 17 03 08.4–1.3 30.70N 103.53E 0 3.4,3.3b ¶11480141
ISCJB VII 26 17 03 10.9–.77 30.74N–.04 103.62E–.09 28–5 3.3b,3.3b
BJI VII 26 17 03 11.3 30.75N 103.50E 17 3.6L,3.4s
IDC Error ellipse: s-maj=45.2km s-min=23.8km az=56.0.
ISCJB Error ellipse: s-maj=12.5km s-min=6.7km az=0.1.
ISC VII 27 05 26 37.7–1.1 29.9N–.10 99.77E–.06 10 3.7b 17 4-63
IDC VII 27 05 26 35.2–1.5 29.78N 99.71E 0 3.7b,3.7 ¶11480147
BJI VII 27 05 26 35.8 29.72N 99.56E 14 3.4L,3.7
NEIC VII 27 05 26 41.3–1.1 30.32N 99.65E 10 3.8b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=23.2km az=48.0.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=9.1km az=190.0.
ISC VII 27 10 20 56.5–1.1 27.01N–.04 102.55E–.07 13–8 3.8b,3.3s 18 2-74
ISCJB VII 27 10 20 53.3–1.1 27.06N–.04 102.55E–.07 6–8 3.8b,3.3s ¶11480152
IDC VII 27 10 20 54.1–1.1 27.07N 102.74E 0 3.9,3.8
BJI VII 27 10 20 56.9 26.98N 102.81E 12 4.4b,4.2b
ISCJB Error ellipse: s-maj=10.9km s-min=6.4km az=175.7.
IDC Error ellipse: s-maj=35.2km s-min=21.5km az=49.0.
ISC VII 28 23 52 09.4–.71 31.28N–.02 103.89E–.03 18–4 4.5b 213 0-114

IDC VII 28 23 52 05.9–.63 31.25N 103.95E 0 4.3,4.3 ¶11169717
BJI VII 28 23 52 08.9 31.35N 103.96E 15 4.6b,4.4b
ISCJB VII 28 23 52 08.2–.76 31.28N–.03 103.92E–.04 25–5 4.5b,4.4b
NEIC VII 28 23 52 08.1–.23 31.27N 103.83E 10 4.6b,4.4b
MOS VII 28 23 52 09.0–.85 31.33N 103.98E 29 4.7b,4.4b
SZGRF VII 28 23 52 24.5 33.72N 103.20E 33 4.7b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=14.4km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.5km az=163.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.5km az=172.0.
MOS Error ellipse: s-maj=9.9km s-min=5.5km az=113.1.
SZGRF Gansu, China.
ISC VII 29 01 10 51.8–.46 32.71N–.04 105.53E–.05 10 3.5b 21 2-68
IDC VII 29 01 10 49.7–1.2 32.69N 105.52E 0 3.6,3.5L ¶11480168
ISCJB VII 29 01 10 50.1–.48 32.74N–.04 105.49E–.05 10 3.5b,3.5L
BJI VII 29 01 10 51.3 32.77N 105.53E 14 4.3b,4.2b
IDC Error ellipse: s-maj=39.3km s-min=22.3km az=50.0.
ISCJB Error ellipse: s-maj=6.3km s-min=5.0km az=34.0.
ISC VII 29 22 03 28.5–.82 32.41N–.03 104.87E–.05 6–6 4.0b 53 2-73
IDC VII 29 22 03 29.7–1.0 32.83N 104.93E 0 3.8L,3.8 ¶13390394
BJI VII 29 22 03 31.0 32.44N 104.95E 17 3.6L,3.5s
MOS VII 29 22 03 32.1–.63 32.76N 104.91E 31 4.5b,3.5s
NEIC VII 29 22 03 32.4–.39 32.76N 104.55E 10 4.2b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=20.0km az=51.0.
MOS Error ellipse: s-maj=17.6km s-min=8.9km az=104.9.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.6km az=75.0.
BJI VII 30 07 26 10.0 31.26N 104.02E 16 3.5L,3.4s
¶11480181
ISC VII 30 19 20 19.2–.72 31.50N–.05 103.79E–.08 10 3.4b 11 1-62
IDC VII 30 19 20 16.6–1.3 31.34N 103.84E 0 3.5,3.5 ¶11480193
ISCJB VII 30 19 20 17.7–.73 31.54N–.05 103.87E–.09 10 3.4b,3.5
BJI VII 30 19 20 20.4 31.44N 104.08E 17 3.3L,3.5
IDC Error ellipse: s-maj=47.6km s-min=22.8km az=50.0.
ISCJB Error ellipse: s-maj=11.8km s-min=6.4km az=21.4.
ISC VIII 01 02 41 45.7–.37 31.29N–.03 103.46E–.04 10 3.8b 36 0-63
ISCJB VIII 01 02 41 43.6–.39 31.31N–.03 103.49E–.05 10 3.8b ¶11652727
IDC VIII 01 02 41 44.5–1.2 31.16N 103.48E 0 3.9,3.9s
NEIC VIII 01 02 41 46.4–.68 31.12N 103.34E 10 4.0b,3.9s
BJI VIII 01 02 41 46.2 31.27N 103.59E 17 4.1b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.2km az=0.4.
IDC Error ellipse: s-maj=32.7km s-min=21.5km az=53.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.8km az=74.0.
ISC VIII 01 08 32 43.8–.51 32.08N–.01 104.73E–.01 10–3 5.8b,5.8s 1518 1-175
ISCJB VIII 01 08 32 40.5–.50 32.06N–.01 104.68E–.01 1–3 5.9b,5.8s ¶11154064
BJI VIII 01 08 32 41.6 32.02N 104.85E 14 6.2s,6.1b
IDC VIII 01 08 32 41.2–.37 32.06N 104.79E 0 5.6,5.5b
SZGRF VIII 01 08 32 43.7 31.90N 104.52E 33 6.6s,6.2b
NEIC VIII 01 08 32 43.6–.08 32.03N 104.72E 11 6.1,5.9b
IGIL VIII 01 08 32 43.9 32.04N 104.74E 10 6.0s,5.9b
MOS VIII 01 08 32 43.6–.87 31.93N 104.85E 33 6.1b,6.0s
DJA VIII 01 08 32 46 31.99N 104.61E 25 6.6W,6.0s
GCMT VIII 01 08 32 47.8–.10 32.04N 104.72E 21–0 5.7W,6.0s
BGS VIII 01 08 32 55.3–1.4 32.78N 101.69E 10–0 6.1s,5.5b
ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=2.0km az=22.8.
IDC Error ellipse: s-maj=13.0km s-min=9.7km az=48.0.
SZGRF Sichuan, China.
NEIC Event type de. Error ellipse: s-maj=2.5km s-min=1.8km az=204.0. At least 231 people injured, 540 houses destroyed and 2,450 houses damaged in Beichuan and Pingwu. Several landslides and rockfalls blocked roads in Pingwu. Cellular phone service interrupted in Beichuan. Felt [V] at Mianyang; [III] at Chengdu and Chongqing; [II] at Xi'an. Also felt at Ankang, Baoji, Daxian, Deyang, Fuling, Guangyuan, Hanzhong, Jiangyou, Lanzhou, Leshan, Luzhou, Nanchong, Nanlong, Tianshui, Ya'an, Yanliang and Yibin. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s225.00000°,δ75.00000° ,λ90.00000°. NP2:ϕ_s45.00000°,δ15.00000°,λ90.00000°. Principal axes: T Plg60.0000° ,Azm135.0000°; N Plg0.0000°,Azm0.0000°; P Plg30.0000°,Azm315.0000° Moment Tensor Solution. s70 Moment tensor: Scale 10^{17}Nm; M_{rr}3.15 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-3.20 $M_{r\theta}$-3.13 $M_{\theta\phi}$-0.64 $M_{\phi r}$-1.98 Best double couple: NP1:ϕ_s352.00000°,δ29.00000°,λ44.00000°. NP2:ϕ_s221.00000° ,δ70.00000°,λ112.00000°. Principal axes: T 5.3100,Plg58.0000°,Azm161.0000° ; N -0.9200,Plg20.0000°,Azm33.0000°; P -4.4000,Plg22.0000°,Azm294.0000° M_o4.90000×10^{17}
MOS Error ellipse: s-maj=7.5km s-min=5.4km az=96.1.
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta= 94, comp=189, per= 50. Moment Tensor Solution. s86,c161; s37,c39; Moment tensor: Scale 10^{17}Nm; M_{rr}2.71±.05 $M_{\theta\theta}$0.44±.04; $M_{\phi\phi}$-3.15±.04; $M_{r\theta}$-1.76±.08; $M_{\theta\phi}$-1.03±.03; $M_{\phi r}$-2.04±.09; Best double couple: NP1:ϕ_s354.00000°,δ29.00000°,λ54.00000°. NP2:ϕ_s213.00000°,δ67.00000°,λ108.00000°. Principal axes: T 3.9400,Plg64.0000°,Azm153.0000°; N 0.3600,Plg16.0000°,Azm26.0000° ; P -4.3000,Plg20.0000°,Azm290.0000° M_o4.10000×10^{17}
BGS Error ellipse: s-maj=271.9km s-min=402.7km az=-1.0.
ISC VIII 01 08 39 18.4–.63 32.1N–.10 104.89E–.07 10 4.4b 27 4-81
ISCJB VIII 01 08 39 16.5–.63 32.1N–.10 104.97E–.07 10 4.4b ¶12580886
IDC VIII 01 08 39 16.7–1.0 32.08N 104.83E 0 4.4,4.3b
ISCJB Error ellipse: s-maj=15.7km s-min=7.6km az=164.0.
IDC Error ellipse: s-maj=37.3km s-min=19.6km az=52.0.
BJI VIII 01 09 00 13.5 32.08N 104.53E 15 3.6L
¶11652730
ISC VIII 01 09 57 30.8–.63 32.05N–.05 104.83E–.06 10 3.5b 18 1-81
IDC VIII 01 09 57 26.9–1.1 31.66N 104.79E 0 3.7L,3.7 ¶11652733
BJI VIII 01 09 57 33.9 32.17N 104.65E 15 3.5L,3.7
IDC Error ellipse: s-maj=42.3km s-min=22.0km az=69.0.
BJI VIII 01 10 18 47.6 32.00N 104.81E 9 3.5L
¶11652734
ISC VIII 01 12 55 28.5–.56 32.10N–.03 104.63E–.07 10 3.6b 20 1-64
ISCJB VIII 01 12 55 26.6–.61 32.08N–.04 104.67E–.07 10 3.6b ¶11652738
IDC VIII 01 12 55 26.4–1.2 31.64N 103.95E 0 3.6,3.5
BJI VIII 01 12 55 30.2 32.03N 104.86E 16 3.7L,3.4s
ISCJB Error ellipse: s-maj=9.0km s-min=5.5km az=24.8.
IDC Error ellipse: s-maj=38.0km s-min=21.3km az=61.0.
ISC VIII 01 18 12 16.8–.77 32.44N–.02 105.21E–.02 3–5 4.8b,4.3s 406 2-147
IDC VIII 01 18 12 15.8–.55 32.44N 105.27E 0 4.5,4.5b ¶13390624
ISCJB VIII 01 18 12 16.0–.86 32.41N–.02 105.22E–.02 12–5 4.8b,4.3s
BJI VIII 01 18 12 16.5 32.42N 105.27E 14 5.1L,5.0s
GCMT VIII 01 18 12 19.9–.30 32.44N 105.12E 27–1 4.9W,5.0s
NEIC VIII 01 18 12 19.6–1.1 32.44N 105.22E 22–8 4.9b,4.4s
MOS VIII 01 18 12 19.2–.67 32.45N 105.24E 33 5.0b,4.3s
SZGRF VIII 01 18 12 22.3 32.84N 105.12E 14 5.1b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=11.8km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=3.3km az=146.6.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s19,c23; s72,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.33±.16 $M_{\theta\theta}$1.76±.12; $M_{\phi\phi}$-1.43±.12; $M_{r\theta}$-0.76±.20; $M_{\theta\phi}$-2.26±.10; $M_{\phi r}$-0.46±.22; Best double couple: NP1:ϕ_s342.00000°,δ72.00000°,λ-6.00000°. NP2:ϕ_s73.00000°,δ84.00000°,λ-162.00000°. Principal axes: T 3.0000,Plg8.0000° ,Azm206.0000°; N -0.1600,Plg71.0000°,Azm92.0000°; P -2.8300,Plg17.0000° ,Azm299.0000° M_o2.90000×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=3.4km az=55.0.
MOS Error ellipse: s-maj=7.7km s-min=4.3km az=118.8.
SZGRF Sichuan, China.
ISC VIII 01 21 03 32.0–.35 32.07N–.03 104.70E–.04 10 3.8b 40 1-81
IDC VIII 01 21 03 29.5–1.8 31.99N 104.78E 0 3.8b,3.8 ¶11652748
ISCJB VIII 01 21 03 30.2–.36 32.01N–.03 104.76E–.04 10 3.8b,3.8
NEIC VIII 01 21 03 31.8–.60 32.02N 104.69E 10 4.0b,3.8
BJI VIII 01 21 03 32.1 32.10N 104.86E 14 3.8L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=27.2km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.1km az=8.3.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.5km az=67.0.
BJI VIII 01 23 07 21.6 32.45N 105.19E 10 3.8b,3.7L
¶11652750
ISC VIII 02 12 21 37.1–.69 32.38N–.04 105.31E–.06 10 3.3b 17 2-62
BJI VIII 02 12 21 36.1 32.33N 105.34E 7 3.7L,3.6b ¶11652759
IDC VIII 02 12 21 40.6–2.2 32.87N 105.89E 0 4.2L,3.6
IDC Error ellipse: s-maj=85.3km s-min=32.8km az=56.0.
ISC VIII 02 13 25 47.7–.30 32.69N–.02 105.54E–.04 10 3.9b 55 2-69
ISCJB VIII 02 13 25 46.0–.30 32.70N–.02 105.47E–.04 10 3.9b ¶11652761
BJI VIII 02 13 25 46.2 32.68N 105.67E 10 4.4b,4.4b
NEIC VIII 02 13 25 49.0–2.7 32.77N 105.61E 21–23 4.1b,4.4b
IDC VIII 02 13 25 48.0–1.7 32.77N 105.21E 0 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.5km az=11.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.1km az=88.0.
IDC Error ellipse: s-maj=33.8km s-min=27.3km az=3.0.
ISC VIII 02 13 36 00.3–.34 32.52N–.03 105.55E–.04 10 3.9b 45 2-64
ISCJB VIII 02 13 35 58.1–.35 32.53N–.03 105.56E–.04 10 3.9b ¶11652762
NEIC VIII 02 13 35 59.6–4.7 32.54N 105.36E 3–32 4.0b
BJI VIII 02 13 35 59.6 32.53N 105.56E 9 4.5b,4.4b
IDC VIII 02 13 35 59.2–1.0 32.48N 105.41E 0 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.5km az=22.6.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.5km az=73.0.
IDC Error ellipse: s-maj=34.2km s-min=19.4km az=62.0.
BJI VIII 02 22 25 08.7 32.66N 105.69E 15 3.5L,3.2s
¶11652774
BJI VIII 03 00 50 21.7 31.33N 103.22E 12 3.5L
¶11652777
ISC VIII 03 04 06 08.6–.71 31.87N–.03 104.55E–.04 2–5 3.8b 31 1-69
IDC VIII 03 04 06 07.3–1.1 31.80N 104.67E 0 3.8,3.7b ¶11652778
NEIC VIII 03 04 06 09.3–.41 31.79N 104.52E 10 4.1b,3.7b
BJI VIII 03 04 06 10.9 31.84N 104.58E 11 3.6L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=20.6km az=56.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.1km az=61.0.
ISC VIII 03 12 04 48.7–.30 32.79N–.03 105.58E–.04 10 4.1b 56 2-87
ISCJB VIII 03 12 04 46.6–.32 32.80N–.03 105.67E–.04 10 4.1b ¶13390769
IDC VIII 03 12 04 46.7–1.0 32.88N 105.74E 0 4.1,4.0
BJI VIII 03 12 04 48.1 32.78N 105.67E 10 4.5b,4.3b
NEIC VIII 03 12 04 49.3–.46 32.94N 105.68E 10 4.5b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.2km az=25.9.
IDC Error ellipse: s-maj=45.3km s-min=20.2km az=52.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=8.9km az=60.0.
ISC VIII 04 09 19 10.7–1.0 31.59N–.04 103.34E–.07 10–7 3.5b,2.8s 21 1-81
ISCJB VIII 04 09 19 08.6–.00 31.65N–.04 103.30E–.08 7–6 3.5b,2.8s ¶11652792
IDC VIII 04 09 19 10.0–1.4 31.74N 103.15E 0 3.8,3.6
NEIC VIII 04 09 19 11.0–.75 31.62N 103.11E 10 3.8,3.6
BJI VIII 04 09 19 12.2 31.39N 103.40E 10 4.0b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.0km az=165.6.
IDC Error ellipse: s-maj=41.9km s-min=24.7km az=51.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=10.5km az=47.0.
BJI VIII 04 09 40 01.4 31.37N 103.36E 13 3.7L,3.7b
¶11652793
ISC VIII 05 02 37 53.4–.74 31.27N–.03 103.82E–.07 12–5 3.4b 18 0-70
ISCJB VIII 05 02 37 50.7–.78 31.31N–.03 103.92E–.07 6–6 3.4b ¶11652800
IDC VIII 05 02 37 51.2–1.6 31.28N 103.91E 0 3.6,3.5
BJI VIII 05 02 37 54.5 31.11N 103.83E 15 3.5L,3.5
ISCJB Error ellipse: s-maj=10.3km s-min=5.1km az=4.7.
IDC Error ellipse: s-maj=43.8km s-min=25.6km az=47.0.
ISC VIII 05 02 57 43.5–.47 32.54N–.04 105.68E–.05 10 3.7b 28 2-64
ISCJB VIII 05 02 57 41.2–.49 32.55N–.04 105.79E–.04 10 3.7b ¶11652802
IDC VIII 05 02 57 42.6–1.2 32.18N 105.02E 0 3.9,3.8b
BJI VIII 05 02 57 43.9 32.66N 105.51E 12 4.5b,4.1b
NEIC VIII 05 02 57 44.1–.98 32.15N 104.98E 10 3.6b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=148.3.
IDC Error ellipse: s-maj=45.2km s-min=22.3km az=50.0.
NEIC Event type se. Error ellipse: s-maj=33.6km s-min=16.9km az=67.0.
BJI VIII 05 07 42 06.3 32.41N 105.10E 15 3.7L,3.7b
¶11652804
ISC VIII 05 09 49 18.4–.07 32.81N–.01 105.50E–.01 11 6.0s,5.8b 1478 2-175
BJI VIII 05 09 49 15.8 32.72N 105.61E 13 6.5s,6.3b ¶12099692
IDC VIII 05 09 49 16.1–.37 32.84N 105.60E 0 5.9s,5.9
ISCJB VIII 05 09 49 16.6–.07 32.77N–.01 105.44E–.01 10 6.0s,5.8b
NEIC VIII 05 09 49 17.3–.11 32.76N 105.49E 6 6.1,6.0s
MOS VIII 05 09 49 18.6–.97 32.74N 105.62E 33 6.1b,6.0s
IGIL VIII 05 09 49 18.0 32.74N 105.51E 10 5.9s,6.0s
TEH VIII 05 09 49 18.0 32.81N 105.56E 10 5.9s,6.0s
SZGRF VIII 05 09 49 19.7 32.85N 105.06E 11 6.3b,6.2s
GCMT VIII 05 09 49 20.4–.10 32.69N 105.57E 12 6.0W,6.2s
DJA VIII 05 09 49 24 32.75N 105.50E 53 6.5W,6.2s
BGS VIII 05 09 49 45.5–1.6 35.08N 99.74E 10–0 6.1s,5.5b
ISC Event type de.
IDC Error ellipse: s-maj=13.6km s-min=9.1km az=36.0.
ISCJB Event type de. Error ellipse: s-maj=1.9km s-min=1.7km az=32.4.
NEIC Event type de. Error ellipse: s-maj=3.6km s-min=2.5km az=24.0. Four people killed, 29 injured, and several buildings and roads damaged in the Qingchuan area. Felt [III] at Chengdu and Xi'an. Also felt at Beibei, Chongqing, Daxian, Guangyuan, Mianyang, Nanchong and Xianyang. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s15.00000°,δ55.00000°,λ150.00000°. NP2: ϕ_s123.00000°,δ66.00000°,λ39.00000°. Principal axes: T Plg44.0000°,Azm343.0000° ; N Plg0.0000°,Azm0.0000°; P Plg7.0000°,Azm247.0000°
MOS Error ellipse: s-maj=7.4km s-min=5.4km az=100.4.
SZGRF Sichuan, China.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=116, comp=279, per= 50. Moment Tensor Solution. s102,c217; s86,c115; Moment tensor: Scale 10^{18}Nm; M_{rr}1.09±.01 $M_{\theta\theta}$-0.13±.01; $M_{\phi\phi}$-0.97±.01; $M_{r\theta}$0.18±.02; $M_{\theta\phi}$0.37±.01; $M_{\phi r}$0.01±.02; Best double couple: NP1:ϕ_s348.00000°,δ44.00000°,λ103.00000°. NP2:ϕ_s151.00000°,δ47.00000°,λ78.00000°. Principal axes: T 1.1200,Plg81.0000°,Azm348.0000°; N -0.0100,Plg9.0000°,Azm159.0000° ; P -1.1100,Plg1.0000°,Azm249.0000° M_o1.10000×10^{18}
BGS Error ellipse: s-maj=328.1km s-min=530.4km az=-1.0.
ISC VIII 05 11 29 24.4–1.2 32.89N–.04 105.62E–.05 6–8 3.7b 18 3-62
ISCJB VIII 05 11 29 22.2–1.1 32.94N–.04 105.66E–.05 6–7 3.7b ¶11652806
IDC VIII 05 11 29 22.9–1.2 32.87N 105.70E 0 3.7b,3.7
BJI VIII 05 11 29 23.3 32.75N 105.59E 8 3.9b,3.8s
ISCJB Error ellipse: s-maj=7.3km s-min=7.0km az=147.5.
IDC Error ellipse: s-maj=50.1km s-min=24.3km az=44.0.
ISC VIII 05 20 14 20.9–.57 32.91N–.04 105.49E–.06 10 3.6b 18 2-64
ISCJB VIII 05 20 14 19.3–.59 32.95N–.04 105.45E–.06 10 3.6b ¶11652809
IDC VIII 05 20 14 19.4–1.1 32.73N 105.45E 0 3.6b,3.6
BJI VIII 05 20 14 20.5 32.76N 105.58E 12 3.2L,3.6
ISCJB Error ellipse: s-maj=7.4km s-min=5.9km az=10.3.
IDC Error ellipse: s-maj=40.8km s-min=23.3km az=52.0.
ISC VIII 05 23 55 07.9–.15 32.74N–.02 105.57E–.02 10 4.6b,4.2s 298 2-163
ISCJB VIII 05 23 55 05.8–.16 32.74N–.02 105.62E–.02 10 4.6b,4.2s ¶13390957
IDC VIII 05 23 55 06.4–.54 32.79N 105.59E 0 4.5,4.4
BJI VIII 05 23 55 06.2 32.75N 105.62E 10 4.7L,4.7b
NEIC VIII 05 23 55 08.1–.14 32.77N 105.53E 10 4.8b,4.7b
MOS VIII 05 23 55 09.4–.73 32.78N 105.61E 33 4.9b,4.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.7km az=174.0.
IDC Error ellipse: s-maj=16.8km s-min=13.3km az=45.0.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=3.2km az=208.0.
MOS Error ellipse: s-maj=7.4km s-min=4.5km az=116.6.
ISC VIII 06 00 59 39.5–.27 32.76N–.03 105.59E–.03 10 3.8b 66 2-83
ISCJB VIII 06 00 59 37.3–.30 32.82N–.03 105.70E–.04 10 3.8b ¶11652814
IDC VIII 06 00 59 37.8–.87 32.82N 105.64E 0 3.9,3.9L
NEIC VIII 06 00 59 39.6–.26 32.79N 105.56E 10 4.0b,3.9L
BJI VIII 06 00 59 39.6 32.70N 105.62E 20 4.5b,4.3b

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=4.3km az=153.7.
IDC Error ellipse: s-maj=28.5km s-min=18.1km az=44.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.1km az=52.0.
ISC VIII 06 02 37 57.7–.39 32.68N–.03 105.61E–.04 10 3.7b 32 2-64
ISCJB VIII 06 02 37 55.4–.42 32.70N–.04 105.68E–.05 10 3.7b **¶11652815**
IDC VIII 06 02 37 56.7–1.2 32.54N 105.34E 0 3.7b,3.7
NEIC VIII 06 02 37 57.4–.55 32.62N 105.64E 10 3.9b,3.7
BJI VIII 06 02 37 57.2 32.73N 105.57E 10 4.3b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.5km az=36.3.
IDC Error ellipse: s-maj=41.6km s-min=23.2km az=43.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=7.9km az=224.0.
ISC VIII 06 03 42 27.7–.17 32.64N–.02 105.57E–.02 10 4.6b,3.7s 234 2-163
ISCJB VIII 06 03 42 26.0–.18 32.64N–.02 105.50E–.03 10 4.6b,3.7s **¶11158567**
IDC VIII 06 03 42 25.4–.52 32.66N 105.65E 0 4.5,4.5
BJI VIII 06 03 42 26.9 32.65N 105.57E 16 4.7b,4.6b
MOS VIII 06 03 42 29.1–.85 32.66N 105.58E 33 4.8b,4.6b
NEIC VIII 06 03 42 31.2–1.5 32.66N 105.53E 34–11 4.7b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=3.2km az=139.2.
IDC Error ellipse: s-maj=23.5km s-min=11.6km az=63.0.
MOS Error ellipse: s-maj=10.3km s-min=5.3km az=112.1.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.1km az=57.0.
ISC VIII 06 04 00 54.8–.81 31.48N–.06 104.68E–.08 10 3.4b 10 1-62
ISCJB VIII 06 04 00 52.7–.86 31.41N–.06 104.79E–.07 10 3.4b **¶11652816**
IDC VIII 06 04 00 54.8–1.7 31.39N 104.79E 0 3.5,3.4
BJI VIII 06 04 00 55.9 31.73N 104.21E 14 3.4L,3.4
ISCJB Error ellipse: s-maj=11.2km s-min=6.3km az=135.2.
IDC Error ellipse: s-maj=49.6km s-min=32.3km az=46.0.
ISC VIII 06 04 47 07.2–.22 32.80N–.02 105.56E–.03 10 4.3b,3.4s 148 2-147
ISCJB VIII 06 04 47 04.8–.23 32.81N–.02 105.66E–.03 10 4.3b,3.5s **¶11652817**
BJI VIII 06 04 47 05.5 32.78N 105.60E 10 4.5b,4.4L
IDC VIII 06 04 47 05.9–.83 32.86N 105.48E 0 4.3,4.2b
NEIC VIII 06 04 47 07.7–.33 32.83N 105.41E 10 4.5b,4.2b
MOS VIII 06 04 47 08.7–1.1 32.85N 105.51E 33 4.5b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.3km az=138.0.
IDC Error ellipse: s-maj=22.7km s-min=16.0km az=34.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.3km az=213.0.
MOS Error ellipse: s-maj=11.4km s-min=6.7km az=113.4.
ISC VIII 06 12 01 11.4–.25 32.77N–.03 105.60E–.03 10 4.3b,3.7s 102 2-75
ISCJB VIII 06 12 01 09.3–.25 32.76N–.03 105.68E–.03 10 4.3b,3.7s **¶11652820**
IDC VIII 06 12 01 09.7–.89 32.81N 105.64E 0 4.2,4.1b
NEIC VIII 06 12 01 11.8–.30 32.79N 105.63E 10 4.5b,4.1b
BJI VIII 06 12 01 11.1 32.76N 105.66E 16 4.6b,4.5b
MOS VIII 06 12 01 13.2–1.1 32.82N 105.64E 33 4.5b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.6km az=5.7.
IDC Error ellipse: s-maj=27.3km s-min=17.7km az=53.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.5km az=52.0.
MOS Error ellipse: s-maj=11.7km s-min=7.7km az=101.1.
ISC VIII 07 08 15 34.7–.68 32.11N–.02 104.63E–.02 9–4 5.1b,4.6s 720 1-163
IDC VIII 07 08 15 32.7–.45 32.11N 104.74E 0 5.0b,5.0 **¶13391062**
NEIC VIII 07 08 15 34.8–.10 32.14N 104.64E 10 5.1b,5.0
ISCJB VIII 07 08 15 34.3–.12 32.08N–.02 104.57E–.02 17 5.1b,4.6s
BJI VIII 07 08 15 34.1 32.12N 104.73E 15 5.1L,5.0s
SZGRF VIII 07 08 15 35.2 32.00N 104.41E 33 5.4b,5.0s
MOS VIII 07 08 15 36.3–.84 32.11N 104.67E 33 5.4b,4.6s
GCMT VIII 07 08 15 38.7–.30 32.02N 104.75E 21–0 4.9W,4.6s
ISC Event type fe.
IDC Error ellipse: s-maj=13.9km s-min=12.0km az=46.0.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=2.4km az=208.0. Felt at Chengdu.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.4km az=175.5.
SZGRF Sichuan, China.
MOS Error ellipse: s-maj=6.5km s-min=3.6km az=118.6.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s31,c42; s56,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}3.21±.18 $M_{\theta\theta}$-2.00±.12; $M_{\phi\phi}$-1.21±.12; $M_{r\theta}$-0.15±.20; $M_{\theta\phi}$-1.57±.07; $M_{\phi r}$-0.10±.24; Best double couple: NP1:ϕ_s52.00000°,δ43.00000°,λ90.00000°. NP2:ϕ_s232.00000°,δ47.00000°,λ90.00000°. Principal axes: T 3.2200,Plg88.0000° ,Azm150.0000°; N 0.0100,Plg0.0000°,Azm52.0000°; P -3.2300,Plg2.0000°,Azm322.0000° $M_0$3.20000×10^{16}
ISC VIII 07 22 34 16.9–.91 31.79N–.03 104.32E–.04 9–6 4.0b 44 1-81
IDC VIII 07 22 34 16.0–.97 31.78N 104.14E 0 4.0,3.9L **¶11652839**
NEIC VIII 07 22 34 17.4–.30 31.77N 104.13E 10 4.1b,3.9L
BJI VIII 07 22 34 18.7 31.84N 104.38E 22 3.9b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=19.6km az=55.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=78.0.
BJI VIII 08 03 59 50.3 32.52N 104.62E 15 3.5L
¶11652841
BJI VIII 08 11 01 11.6 32.76N 105.67E 13 3.8b,3.4s
¶11652848
ISC VIII 08 13 12 19.3–.66 31.46N–.02 103.98E–.03 9–4 4.6b,3.5s 163 1-114
ISCJB VIII 08 13 12 16.8–.87 31.45N–.02 103.99E–.03 7–5 4.6b,3.5s **¶11377525**
BJI VIII 08 13 12 19.4 31.40N 104.09E 15 4.5L,4.5b
MOS VIII 08 13 12 20.7–.91 31.42N 104.03E 33 4.8b,4.5b
NEIC VIII 08 13 12 20.9–.21 31.49N 104.03E 20 4.6b,4.5b
IDC VIII 08 13 12 23.8–3.2 31.43N 103.99E 45–30 4.4,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.8km az=1.3.
MOS Error ellipse: s-maj=10.3km s-min=6.2km az=102.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.7km az=74.0.
IDC Error ellipse: s-maj=19.6km s-min=13.9km az=59.0.
ISC VIII 08 13 50 59.1–.41 32.41N–.03 105.40E–.04 10 3.7b 30 2-62
ISCJB VIII 08 13 50 56.8–.44 32.38N–.03 105.49E–.04 10 3.7b **¶11652850**
IDC VIII 08 13 50 57.2–1.2 32.37N 105.28E 0 3.6b,3.6
NEIC VIII 08 13 50 58.8–.74 32.30N 105.12E 10 3.9b,3.6
BJI VIII 08 13 50 59.8 32.44N 105.42E 16 3.5L,3.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.7km az=141.5.
IDC Error ellipse: s-maj=45.0km s-min=21.7km az=53.0.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=11.1km az=49.0.
ISC VIII 08 14 17 39.3–.76 30.84N–.03 103.53E–.04 16–5 4.0b,2.6s 43 0-72
IDC VIII 08 14 17 36.2–.91 30.66N 103.27E 0 4.0,4.0 **¶11652851**
NEIC VIII 08 14 17 37.8–.53 30.74N 103.43E 10 4.2b,4.0
ISCJB VIII 08 14 17 38.7–.62 30.87N–.04 103.58E–.05 28–5 4.0b,2.6s
BJI VIII 08 14 17 38.2 30.83N 103.66E 13 4.7b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=17.0km az=52.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=9.6km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=6.4km az=25.8.
BJI VIII 08 17 38 21.8 32.50N 105.53E 15 3.6L,3.5b
¶11652856
ISC VIII 09 12 10 20.0–1.1 32.67N–.03 105.53E–.03 5–7 4.3b 115 2-94
ISCJB VIII 09 12 10 17.1–1.0 32.70N–.03 105.61E–.03 0–6 4.4b **¶11652861**
IDC VIII 09 12 10 18.5–.77 32.71N 105.68E 0 4.2b,4.2
BJI VIII 09 12 10 20.0 32.64N 105.62E 13 4.7b,4.5b
NEIC VIII 09 12 10 20.9–.32 32.74N 105.51E 10 4.6b,4.5b
MOS VIII 09 12 10 21.4–.95 32.65N 105.70E 33 4.5b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=4.7km az=177.7.
IDC Error ellipse: s-maj=24.1km s-min=17.9km az=52.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.5km az=224.0.
MOS Error ellipse: s-maj=15.6km s-min=7.7km az=112.9.
ISC VIII 09 14 14 29.0–.51 32.21N–.03 105.34E–.05 10 3.3b 18 2-62
ISCJB VIII 09 14 14 28.1–.57 32.18N–.04 105.30E–.07 10 3.3b **¶11652862**
BJI VIII 09 14 14 28.5 32.36N 105.23E 14 3.6L,3.2s
IDC VIII 09 14 14 29.7–1.3 32.40N 105.49E 0 3.5L,3.5
ISCJB Error ellipse: s-maj=8.4km s-min=5.1km az=8.9.
IDC Error ellipse: s-maj=37.3km s-min=23.5km az=55.0.

ISC VIII 09 16 12 35.2–.75 32.38N–.02 105.08E–.03 7–5 3.9b 59 2-80
ISCJB VIII 09 16 12 32.6–.78 32.40N–.03 105.14E–.04 5–5 3.9b **¶11652865**
IDC VIII 09 16 12 33.8–.91 32.35N 105.05E 0 3.9,3.8b
BJI VIII 09 16 12 35.5 32.33N 105.16E 14 4.3b,4.0L
NEIC VIII 09 16 12 37.5–2.4 32.31N 104.99E 26–19 4.0b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.3km az=22.9.
IDC Error ellipse: s-maj=30.5km s-min=17.8km az=49.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.6km az=66.0.
ISC VIII 09 16 31 35.6–.00 32.49N–.03 105.24E–.04 6–7 3.9b 51 2-73
ISCJB VIII 09 16 31 33.7–.94 32.50N–.03 105.29E–.04 8–6 3.9b **¶11652866**
IDC VIII 09 16 31 34.4–.99 32.44N 105.17E 0 3.8,3.7
NEIC VIII 09 16 31 36.0–.43 32.53N 105.24E 10 4.1b,3.7
BJI VIII 09 16 31 36.0 32.52N 105.37E 15 4.3b,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.6km az=32.0.
IDC Error ellipse: s-maj=33.6km s-min=18.8km az=52.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.5km az=83.0.
ISC VIII 10 04 38 09.8–.91 32.40N–.03 105.36E–.03 3–6 3.7b,3.4s 46 2-80
ISCJB VIII 10 04 38 08.1–.92 32.40N–.03 105.32E–.04 5–6 3.7b,3.4s **¶11652869**
IDC VIII 10 04 38 08.8–1.1 32.45N 105.42E 0 3.8,3.8L
NEIC VIII 10 04 38 09.9–.37 32.39N 105.42E 10 4.0b,3.8L
BJI VIII 10 04 38 09.9 32.41N 105.18E 14 4.6b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.0km az=36.7.
IDC Error ellipse: s-maj=48.1km s-min=21.3km az=63.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.1km az=50.0.
ISC VIII 10 15 29 46.7–.56 32.26N–.04 105.00E–.05 10 3.6b,3.2s 16 2-57
ISCJB VIII 10 15 29 44.9–.77 32.33N–.04 104.96E–.09 10 3.6b,3.2s **¶11652876**
IDC VIII 10 15 29 44.3–9.6 31.78N 104.47E 0 3.7,3.6
BJI VIII 10 15 29 48.0 32.15N 105.01E 15 3.7b,3.4L
ISCJB Error ellipse: s-maj=11.9km s-min=4.9km az=18.7.
IDC Error ellipse: s-maj=231.9km s-min=35.1km az=11.0.
ISC VIII 11 02 16 57.6–.00 31.62N–.03 104.29E–.07 8–8 3.4b 15 1-62
ISCJB VIII 11 02 16 55.5–1.1 31.61N–.04 104.38E–.08 7–8 3.4b **¶11652885**
IDC VIII 11 02 16 55.7–1.3 31.69N 104.27E 0 4.0L,3.7
BJI VIII 11 02 16 59.9 31.69N 104.03E 15 3.5L,3.7
ISCJB Error ellipse: s-maj=11.6km s-min=6.4km az=11.2.
IDC Error ellipse: s-maj=59.9km s-min=21.4km az=65.0.
ISC VIII 11 11 49 52.7–.33 31.55N–.03 104.16E–.05 10 4.0b,2.8s 47 5-81
ISCJB VIII 11 11 49 50.7–.35 31.53N–.03 104.19E–.05 10 4.0b,2.8s **¶11652888**
IDC VIII 11 11 49 51.3–1.1 31.62N 104.18E 0 4.1,3.9
NEIC VIII 11 11 49 53.2–.45 31.61N 104.04E 10 4.1b,3.9
BJI VIII 11 11 49 54.8 31.55N 104.20E 19 4.5b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=9.1.
IDC Error ellipse: s-maj=30.6km s-min=20.7km az=50.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.8km az=81.0.
ISC VIII 11 15 29 46.6–.88 31.27N–.03 103.80E–.05 5–6 3.3b 23 0-62
IDC VIII 11 15 29 45.3–1.3 31.17N 103.76E 0 3.5,3.5 **¶11652889**
BJI VIII 11 15 29 47.5 31.16N 103.66E 24 3.5L,3.5
NEIC VIII 11 15 29 49.9–.90 31.49N 103.75E 10 3.5L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=21.7km az=51.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=13.8km az=64.0.
ISC VIII 12 02 49 41.2–.89 30.54N–.04 102.78E–.07 10 3.7b 17 1-56
ISCJB VIII 12 02 49 39.4–.93 30.57N–.06 102.75E–.07 10 3.7b **¶11652892**
IDC VIII 12 02 49 39.9–3.5 30.57N 102.68E 0 3.8L,3.7b
BJI VIII 12 02 49 44.2 30.55N 102.70E 21 3.8s,3.7
ISCJB Error ellipse: s-maj=9.0km s-min=7.7km az=44.7.
IDC Error ellipse: s-maj=75.8km s-min=31.9km az=2.0.
ISC VIII 12 14 22 54.0–1.2 31.27N–.04 103.53E–.08 3–9 3.3b 13 0-62
IDC VIII 12 14 22 53.6–1.4 31.21N 103.60E 0 4.1L,3.5 **¶11652898**
BJI VIII 12 14 22 55.5 31.17N 103.53E 17 3.3L,3.5
IDC Error ellipse: s-maj=38.3km s-min=25.0km az=59.0.
ISC VIII 12 21 03 21.5–.13 31.82N–.02 104.23E–.02 10 4.9b,4.3s 478 1-163
ISCJB VIII 12 21 03 19.4–.13 31.83N–.02 104.28E–.02 10 4.9b,4.3s **¶13391579**
IDC VIII 12 21 03 19.6–.45 31.83N 104.31E 0 4.8,4.8b
NEIC VIII 12 21 03 21.4–.14 31.87N 104.23E 10 5.0b,4.5s
BJI VIII 12 21 03 21.1 31.82N 104.37E 17 4.8L,4.7s
SZGRF VIII 12 21 03 22.4 31.12N 103.13E 33 5.3b,4.7s
MOS VIII 12 21 03 23.0–.81 31.85N 104.25E 33 5.2b,4.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.6km az=4.1.
IDC Error ellipse: s-maj=14.0km s-min=11.5km az=38.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=32.0.
SZGRF Sichuan, China.
MOS Error ellipse: s-maj=7.9km s-min=3.9km az=120.6.
ISC VIII 13 07 44 02.7–.87 31.39N–.03 103.47E–.05 10–6 3.9b,3.1s 53 1-93
IDC VIII 13 07 44 00.7–.74 31.32N 103.41E 0 4.1,4.0b **¶11652910**
NEIC VIII 13 07 44 02.5–.47 31.33N 103.41E 10 4.1b,4.0b
BJI VIII 13 07 44 02.0 31.38N 103.50E 16 4.8b,4.2b
ISCJB VIII 13 07 44 03.0–.91 31.33N–.04 103.44E–.05 27–7 3.9b,3.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 13 08 45 43.9–.28 32.51N–.03 105.53E–.04 10 4.2b 60 2-75
ISCJB VIII 13 08 45 41.7–.29 32.50N–.03 105.60E–.04 10 4.2b **¶11377592**
IDC VIII 13 08 45 42.1–.77 32.43N 105.44E 0 4.2,4.1b
BJI VIII 13 08 45 43.7 32.47N 105.54E 16 4.6b,4.4b
NEIC VIII 13 08 45 44.4–.56 32.49N 105.44E 10 4.5b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.9km az=1.7.
IDC Error ellipse: s-maj=33.2km s-min=15.0km az=53.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=10.0km az=57.0.
ISC VIII 14 05 20 46.8–.97 31.65N–.03 104.13E–.05 16–7 3.8b 36 1-81
IDC VIII 14 05 20 43.5–.85 31.62N 104.18E 0 4.0,4.0L **¶11652924**
NEIC VIII 14 05 20 45.4–.47 31.60N 104.13E 10 3.7b,4.0L
BJI VIII 14 05 20 45.6 31.65N 104.20E 16 3.8L,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=16.4km az=58.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.3km az=58.0.
ISC VIII 14 10 36 46.6–.76 32.19N–.03 105.20E–.04 1–5 4.0b 30 2-64
IDC VIII 14 10 36 46.5–.85 32.29N 105.06E 0 3.9,3.9b **¶11652927**
NEIC VIII 14 10 36 48.9–.67 32.26N 104.79E 10 3.9,3.9b
BJI VIII 14 10 36 50.3 32.24N 105.08E 17 4.6b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=16.6km az=57.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=11.5km az=65.0.
ISC VIII 14 17 06 41.4–.66 30.99N–.02 103.42E–.02 19–4 4.5b,3.7s 198 0-121
IDC VIII 14 17 06 37.9–.57 30.93N 103.37E 0 4.4,4.4 **¶11265138**
ISCJB VIII 14 17 06 39.7–.72 30.91N–.03 103.41E–.03 23–5 4.5b,3.7s
BJI VIII 14 17 06 39.9 30.98N 103.50E 16 4.8L,4.6s
NEIC VIII 14 17 06 39.8–.23 30.97N 103.39E 10 4.6b,4.6s
MOS VIII 14 17 06 40.9–.83 30.91N 103.48E 33 4.8b,4.6s
ISC Event type fe.
IDC Error ellipse: s-maj=17.3km s-min=13.2km az=37.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.9km az=162.3.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=5.1km az=73.0. Felt at Chengdu.
MOS Error ellipse: s-maj=8.9km s-min=5.5km az=105.9.
ISC VIII 14 18 59 18.4–.40 32.68N–.03 105.57E–.04 10 3.8b 30 2-64
ISCJB VIII 14 18 59 15.4–.46 32.68N–.04 105.64E–.05 10 3.8b **¶11652930**
IDC VIII 14 18 59 17.1–.94 32.56N 105.31E 0 3.8b,3.8
NEIC VIII 14 18 59 18.8–.51 32.56N 105.26E 10 3.8b,3.8
BJI VIII 14 18 59 20.0 32.72N 105.58E 17 4.5b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=135.5.
IDC Error ellipse: s-maj=43.5km s-min=18.0km az=52.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=8.2km az=52.0.
ISC VIII 15 17 31 26.1–.50 31.41N–.04 103.51E–.07 10 3.6b 20 1-70
ISCJB VIII 15 17 31 23.7–.54 31.36N–.06 103.56E–.07 10 3.6b **¶11652940**

IDC VIII 15 17 31 24.6–1.1 31.39N 103.57E 0 3.6,3.5b
NEIC VIII 15 17 31 25.7–.51 31.36N 103.50E 10 4.4b,3.5b
BJI VIII 15 17 31 30.9 31.23N 103.85E 18 3.1L,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=8.3km az=30.1.
IDC Error ellipse: s-maj=41.5km s-min=18.5km az=54.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=9.1km az=61.0.
ISC VIII 17 09 18 34.9–1.1 32.31N–.03 104.95E–.06 1–7 3.9b 29 2-80
ISCJB VIII 17 09 18 34.8–1.6 32.25N–.04 104.98E–.07 15–11 3.8b ¶11652967
IDC VIII 17 09 18 34.3–.86 32.31N 104.90E 0 3.9,3.8b
NEIC VIII 17 09 18 35.9–.60 32.32N 105.01E 10 3.7b,3.8b
BJI VIII 17 09 18 36.5 32.32N 104.92E 15 4.0b,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.9km az=165.5.
IDC Error ellipse: s-maj=34.6km s-min=16.8km az=57.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=11.0km az=54.0.
ISC VIII 18 02 22 24.6–.77 31.28N–.03 103.53E–.04 12–5 4.0b 43 0-72
IDC VIII 18 02 22 22.9–.87 31.05N 103.42E 0 4.2,4.1b ¶11652976
ISCJB VIII 18 02 22 23.0–.99 31.28N–.04 103.54E–.05 14–7 4.0b,4.1b
BJI VIII 18 02 22 23.8 31.23N 103.61E 15 4.2L,4.1s
NEIC VIII 18 02 22 24.9–.54 31.19N 103.51E 10 4.2b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=15.7km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=6.1km az=27.3.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=9.6km az=57.0.
ISC VIII 18 08 04 28.1–.47 32.21N–.03 104.81E–.05 10 3.8b 24 2-62
ISCJB VIII 18 08 04 26.0–.50 32.24N–.04 104.79E–.07 10 3.8b ¶11652980
IDC VIII 18 08 04 26.3–1.0 32.54N 105.43E 0 4.1L,3.9
BJI VIII 18 08 04 29.1 32.23N 104.86E 11 3.7L,3.5s
ISCJB Error ellipse: s-maj=8.5km s-min=4.6km az=20.7.
IDC Error ellipse: s-maj=71.8km s-min=18.3km az=60.0.
ISC VIII 18 11 05 56.0–.55 32.63N–.04 105.17E–.06 10 3.2b 16 2-62
ISCJB VIII 18 11 05 54.1–.58 32.62N–.04 105.14E–.07 10 3.2b ¶11652982
IDC VIII 18 11 05 54.1–1.2 32.43N 104.82E 0 3.5L,3.5
BJI VIII 18 11 05 55.3 32.76N 105.08E 12 3.3L,3.5
ISCJB Error ellipse: s-maj=8.6km s-min=5.6km az=29.8.
IDC Error ellipse: s-maj=45.8km s-min=21.3km az=57.0.
BJI VIII 19 23 54 49.5 32.46N 105.06E 13 3.6L,3.5s
¶11653005
ISC VIII 20 10 31 32.7–.87 32.24N–.04 104.18E–.08 6–9 3.4b 13 1-62
IDC VIII 20 10 31 34.6–1.5 31.46N 103.53E 0 3.6,3.4L ¶11653011
BJI VIII 20 10 31 37.2 32.28N 104.18E 19 3.4L,3.3s
IDC Error ellipse: s-maj=61.2km s-min=26.9km az=66.0.
ISC VIII 20 18 47 43.4–.92 31.20N–.03 103.83E–.06 11–7 3.7b 26 0-62
IDC VIII 20 18 47 40.6–.99 31.14N 103.70E 0 3.8b,3.8 ¶11653012
BJI VIII 20 18 47 41.9 31.20N 103.80E 13 3.8L,3.7s
NEIC VIII 20 18 47 42.9–.62 31.12N 103.77E 10 3.9b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=34.5km s-min=17.8km az=60.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.4km az=62.0.
BJI VIII 21 06 37 34.2 32.84N 105.05E 15 3.5s,3.5
¶11653021
ISC VIII 21 09 41 33.2–.76 31.87N–.06 104.67E–.07 10 3.4b 12 1-57
BJI VIII 21 09 41 35.3 31.88N 104.46E 18 3.3L ¶11653022
IDC VIII 21 09 41 35.1–3.9 32.06N 104.51E 0 3.6,3.5b
IDC Error ellipse: s-maj=95.3km s-min=40.2km az=96.0.
BJI VIII 21 11 30 54.0 32.62N 105.24E 15 3.8s,3.7
¶11653023
ISC VIII 21 20 46 42.6–2.6 32.18N–.06 104.7E–.20 12–16 3.6b 11 1-59
IDC VIII 21 20 46 41.2–1.5 32.44N 104.87E 0 3.8,3.6b ¶11653031
BJI VIII 21 20 46 43.4 32.34N 104.77E 17 3.2L,3.6b
IDC Error ellipse: s-maj=166.9km s-min=27.5km az=56.0.
ISC VIII 22 10 51 23.1–1.1 31.36N–.03 103.62E–.05 11–8 3.8b 35 0-70
IDC VIII 22 10 51 19.5–.98 31.09N 103.48E 0 4.2s,4.2 ¶11653040
NEIC VIII 22 10 51 21.3–.76 31.21N 103.78E 10 3.6b,4.2
BJI VIII 22 10 51 21.7 31.28N 103.55E 11 4.0s,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=18.1km az=51.0.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=12.8km az=72.0.
ISC VIII 22 11 24 50.9–.82 31.37N–.06 104.15E–.09 10 3.5b 11 1-59
ISCJB VIII 22 11 24 47.8–.94 31.32N–.09 104.35E–.10 10 3.5b ¶11653041
BJI VIII 22 11 24 52.4 31.22N 104.14E 12 3.2L
IDC VIII 22 11 24 52.4–1.4 31.84N 104.29E 0 3.7,3.6b
ISCJB Error ellipse: s-maj=17.1km s-min=5.3km az=139.2.
IDC Error ellipse: s-maj=73.8km s-min=22.5km az=60.0.
ISC VIII 22 16 18 50.6–.97 32.20N–.05 104.83E–.06 12–11 3.5b 17 2-57
IDC VIII 22 16 18 52.4–5.6 32.59N 104.68E 0 3.6b,3.6 ¶11653046
NEIC VIII 22 16 18 53.3–.72 32.58N 104.82E 10 3.6b,3.6
BJI VIII 22 16 18 54.1 32.28N 104.71E 9 3.3s,3.2
ISC Event type se.
IDC Error ellipse: s-maj=150.5km s-min=45.7km az=88.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=11.1km az=58.0.
ISC VIII 23 08 00 32.7–2.7 32.15N–.09 104.65E–.07 7–15 3.6b 17 4-64
IDC VIII 23 08 00 31.3–1.1 32.63N 105.64E 0 4.3L,3.8 ¶11653055
BJI VIII 23 08 00 35.3 32.26N 104.62E 12 3.3L,3.8
IDC Error ellipse: s-maj=65.8km s-min=18.9km az=59.0.
ISC VIII 23 16 14 56.7–.45 32.50N–.03 105.55E–.04 10 3.7b 26 2-67
ISCJB VIII 23 16 14 55.0–.48 32.54N–.03 105.67E–.04 10 3.7b ¶11653059
IDC VIII 23 16 14 55.9–1.3 32.89N 106.12E 0 3.8,3.6b
NEIC VIII 23 16 14 57.2–1.0 32.68N 105.98E 10 4.6b,3.6b
BJI VIII 23 16 14 59.1 32.75N 105.48E 22 4.4b,3.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.6km az=6.4.
IDC Error ellipse: s-maj=181.0km s-min=21.2km az=56.0.
NEIC Event type se. Error ellipse: s-maj=52.4km s-min=15.8km az=50.0.
ISC VIII 23 18 42 24.9–.82 31.25N–.03 103.67E–.07 16–5 3.7b,3.0s 27 0-72
BJI VIII 23 18 42 22.2 31.29N 103.69E 11 3.8s,3.8L ¶11653060
IDC VIII 23 18 42 22.2–.86 31.08N 103.61E 0 3.9,3.8
NEIC VIII 23 18 42 23.6–.57 31.16N 103.65E 10 3.3b,3.8
ISCJB VIII 23 18 42 24.3–.92 31.23N–.04 103.72E–.08 28–7 3.7b,3.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
BJI VIII 23 22 43 11.8 32.21N 105.09E 12 3.6L,3.4s
¶11653061
BJI VIII 24 20 42 12.9 31.37N 103.94E 10 3.1L
IDC VIII 24 20 42 18.8–7.0 30.37N 105.06E 0 3.6,3.5b ¶11653071
IDC Error ellipse: s-maj=167.8km s-min=36.1km az=128.0.
ISC VIII 25 05 44 04.2–1.2 31.36N–.03 103.99E–.07 11–8 3.8b 19 5-62
IDC VIII 25 05 44 02.0–1.0 31.30N 104.00E 0 4.0,3.8b ¶11653078
NEIC VIII 25 05 44 04.1–.64 31.43N 104.07E 10 4.0,3.8b
BJI VIII 25 05 44 04.3 31.36N 104.16E 12 3.7L,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=18.3km az=56.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=10.6km az=66.0.
ISC VIII 25 12 36 13.2–.54 32.72N–.04 105.40E–.05 10 3.5b 14 2-62
ISCJB VIII 25 12 36 11.2–.58 32.74N–.04 105.32E–.05 10 3.5b ¶11653080
IDC VIII 25 12 36 13.9–2.0 31.00N 103.03E 0 3.6,3.4b
BJI VIII 25 12 36 14.0 32.78N 105.46E 14 3.7b,3.5L
ISCJB Error ellipse: s-maj=7.4km s-min=4.9km az=135.3.
IDC Error ellipse: s-maj=420.5km s-min=28.5km az=53.0.
ISC VIII 25 16 27 52.3–1.6 31.52N–.05 104.45E–.07 0–12 3.5b 15 1-97
BJI VIII 25 16 27 52.4 31.80N 104.40E 14 3.2L ¶11653084
IDC VIII 25 16 27 52.4–1.3 31.49N 104.58E 0 3.5,3.4
IDC Error ellipse: s-maj=39.0km s-min=26.1km az=67.0.
ISC VIII 26 07 44 18.5–.75 32.63N–.06 105.59E–.06 10 3.4b 17 3-62
ISCJB VIII 26 07 44 16.5–.77 32.58N–.06 105.59E–.08 10 3.4b ¶11653097
IDC VIII 26 07 44 17.0–1.4 32.28N 105.18E 0 3.6,3.4b
BJI VIII 26 07 44 19.7 32.56N 105.40E 16 3.8s,3.6
ISCJB Error ellipse: s-maj=9.4km s-min=8.6km az=157.3.
IDC Error ellipse: s-maj=200.0km s-min=23.6km az=56.0.

ISC VIII 27 12 44 50.8–.82 29.22N–.08 104.0E–.20 10 3.4b 10 2-60
ISCJB VIII 27 12 44 49.0–.83 29.21N–.08 104.0E–.20 10 3.4b ¶11653105
IDC VIII 27 12 44 49.0–1.1 29.49N 104.53E 0 3.6,3.5b
BJI VIII 27 12 44 54.0 29.31N 104.21E 19 3.4L,3.5b
ISCJB Error ellipse: s-maj=23.9km s-min=5.8km az=156.4.
IDC Error ellipse: s-maj=232.2km s-min=19.8km az=57.0.
ISC VIII 27 20 58 31.5–.66 31.37N–.04 103.84E–.10 10 3.5b 11 0-59
ISCJB VIII 27 20 58 29.5–.66 31.42N–.05 103.92E–.10 10 3.5b ¶11653107
IDC VIII 27 20 58 29.4–1.5 31.83N 104.71E 0 3.7L,3.7
NEIC VIII 27 20 58 33.3–.77 31.81N 104.16E 10 3.7L,3.7
BJI VIII 27 20 58 34.2 31.23N 103.57E 13 3.2L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=6.3km az=13.1.
IDC Error ellipse: s-maj=73.7km s-min=23.5km az=61.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=12.0km az=54.0.
BJI VIII 28 03 54 00.8 30.92N 103.46E 15 3.6s,3.5L
¶11653109
ISC VIII 29 01 15 31.2–1.0 31.53N–.03 103.66E–.05 8–8 3.8b 30 1-62
ISCJB VIII 29 01 15 29.7–.96 31.55N–.03 103.76E–.05 11–7 3.8b ¶11653118
IDC VIII 29 01 15 29.9–1.0 31.67N 103.58E 0 3.9L,3.9
BJI VIII 29 01 15 30.7 31.55N 103.78E 15 3.7L,3.6s
NEIC VIII 29 01 15 31.1–.52 31.66N 103.59E 10 3.8b,3.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=16.7.
IDC Error ellipse: s-maj=35.2km s-min=18.2km az=59.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=8.5km az=59.0.
ISC VIII 29 06 47 54.9–.94 31.07N–.05 103.6E–.10 19–6 3.8b 18 0-72
IDC VIII 29 06 47 51.9–.91 31.03N 103.59E 0 3.9,3.8b ¶11653123
BJI VIII 29 06 47 55.2 31.17N 103.68E 20 3.8L,3.7s
IDC Error ellipse: s-maj=39.4km s-min=16.8km az=55.0.
ISC VIII 29 18 48 17.8–1.0 31.33N–.05 103.77E–.07 17–8 3.4b 21 0-62
IDC VIII 29 18 48 14.7–1.1 31.23N 103.62E 0 3.4b,3.4 ¶11653127
NEIC VIII 29 18 48 16.2–.50 31.23N 103.66E 10 3.4b,3.4
ISCJB VIII 29 18 48 17.8–.53 31.27N–.04 103.74E–.09 33 3.4b,3.4
BJI VIII 29 18 48 17.7 31.37N 103.76E 22 3.3L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=19.0km az=60.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.1km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=5.4km az=169.8.
ISC VIII 30 08 49 32.4–.93 26.27N–.05 102.1E–.10 10 3.8b 9 1-61
IDC VIII 30 08 49 30.7–1.4 26.20N 101.96E 0 4.7s,4.7 ¶11653131
BJI VIII 30 08 49 31.7 26.34N 101.88E 14 3.8L,4.7
IDC Error ellipse: s-maj=76.9km s-min=24.4km az=61.0.
ISC VIII 30 09 41 16.1–1.4 26.30N–.04 102.2E–.10 14–9 3.6b 15 1-58
ISCJB VIII 30 09 41 13.6–1.3 26.35N–.04 102.3E–.10 11–8 3.6b ¶11653135
IDC VIII 30 09 41 14.2–1.2 26.33N 102.40E 0 3.7,3.5
NEIC VIII 30 09 41 15.6–.71 26.36N 102.38E 10 4.2b,3.5
BJI VIII 30 09 41 16.0 26.30N 101.96E 10 4.0b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=6.1km az=7.0.
IDC Error ellipse: s-maj=36.1km s-min=19.4km az=85.0.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=11.5km az=92.0.
ISC VIII 30 12 15 52.8–1.2 26.3N–.10 102.2E–.40 10 3.4b 5 1-56
ISCJB VIII 30 12 15 51.1–1.1 26.4N–.10 102.3E–.40 10 3.4b ¶11653137
IDC VIII 30 12 15 51.3–1.4 26.32N 102.29E 0 3.6,3.4b
BJI VIII 30 12 15 52.8 26.15N 101.83E 25 3.4L,3.4b
ISCJB Error ellipse: s-maj=58.9km s-min=8.1km az=163.7.
IDC Error ellipse: s-maj=44.7km s-min=21.6km az=87.0.
ISC VIII 30 13 20 30.3–.88 30.95N–.05 103.53E–.08 24–6 3.4b 20 0-62
NEIC VIII 30 13 20 27.6–.77 30.99N 103.73E 10 3.4b ¶11653138
IDC VIII 30 13 20 27.4–.98 31.03N 103.47E 0 3.6L,3.6
ISCJB VIII 30 13 20 29.5–.68 30.94N–.05 103.59E–.07 33 3.4b,3.6
BJI VIII 30 13 20 30.1 31.09N 103.57E 11 3.3L,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=12.5km az=69.0.
IDC Error ellipse: s-maj=34.0km s-min=17.6km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.8km az=155.6.
ISC VIII 30 14 06 42.4–.97 26.30N–.07 102.3E–.20 10 3.2b 6 1-55
ISCJB VIII 30 14 06 40.4–.97 26.29N–.08 102.3E–.20 10 3.2b ¶11653139
IDC VIII 30 14 06 40.5–1.4 26.25N 102.45E 0 3.4,3.3L
BJI VIII 30 14 06 41.1 26.07N 101.79E 15 3.2L,3.3L
ISCJB Error ellipse: s-maj=27.6km s-min=8.1km az=162.1.
IDC Error ellipse: s-maj=38.0km s-min=20.1km az=91.0.
ISC VIII 30 21 26 06.5–1.8 26.18N–.04 102.2E–.20 15–13 3.1b 13 1-58
IDC VIII 30 21 26 03.8–1.1 26.22N 102.29E 0 3.4L,3.4 ¶11653143
BJI VIII 30 21 26 04.7 26.08N 101.82E 12 3.3L,3.4
NEIC VIII 30 21 26 05.4–.68 26.25N 102.33E 10 3.3L,3.4
ISCJB VIII 30 21 26 07.0–.71 26.15N–.05 102.0E–.10 33 3.1b,3.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 31 07 24 51.6–.40 32.68N–.03 105.72E–.04 10 3.8b 29 2-62
ISCJB VIII 31 07 24 49.9–.40 32.62N–.03 105.77E–.04 10 3.8b ¶11653150
IDC VIII 31 07 24 50.7–.91 32.66N 105.81E 0 3.9,3.8b
BJI VIII 31 07 24 51.3 32.67N 105.76E 8 4.4L,4.2b
NEIC VIII 31 07 24 51.6–.62 32.67N 105.93E 10 4.4L,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=174.4.
IDC Error ellipse: s-maj=37.5km s-min=17.4km az=57.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=9.3km az=57.0.
ISC VIII 31 09 53 13.4–1.2 32.45N–.03 105.33E–.05 15–9 3.8b 22 2-73
IDC VIII 31 09 53 10.4–1.1 32.21N 104.87E 0 3.7,3.6b ¶11653152
BJI VIII 31 09 53 12.6 32.61N 105.36E 16 3.7L,3.3s
ISCJB VIII 31 09 53 13.7–.52 32.43N–.04 105.33E–.05 33 3.8b,3.3s
ISC VIII 31 17 56 46.6–1.1 26.17N–.05 102.1E–.20 10 3.4b 8 1-58
ISCJB VIII 31 17 56 44.2–1.1 26.27N–.04 102.2E–.20 10 3.4b ¶11653162
IDC VIII 31 17 56 44.9–1.5 26.38N 102.43E 0 3.7,3.4b
BJI VIII 31 17 56 47.2 26.17N 101.87E 15 3.5L,3.4b
ISCJB Error ellipse: s-maj=22.6km s-min=5.7km az=175.3.
IDC Error ellipse: s-maj=69.4km s-min=27.7km az=61.0.
ISC IX 01 05 56 49.9–.74 31.24N–.02 103.79E–.04 3–5 4.0b,3.7s 41 0-93
IDC IX 01 05 56 48.5–.74 31.17N 103.73E 0 4.3,4.2b ¶11909204
BJI IX 01 05 56 50.3 31.21N 103.75E 15 4.4s,4.3b
NEIC IX 01 05 56 50.9–.54 31.15N 103.65E 10 4.0b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=15.4km az=58.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.7km az=58.0.
ISC IX 01 12 19 04.7–1.1 32.72N–.04 105.4E–.10 10 3.2b 7 2-62
IDC IX 01 12 19 00.0–7.4 34.52N 108.23E 0 3.5,3.3 ¶12608652
ISCJB IX 01 12 19 01.9–1.1 32.76N–.04 105.4E–.10 10 3.2b,3.3
BJI IX 01 12 19 06.2 32.74N 105.44E 15 3.2L,3.3
IDC Error ellipse: s-maj=652.4km s-min=29.8km az=49.0.
ISCJB Error ellipse: s-maj=14.4km s-min=6.1km az=4.8.
ISC IX 01 15 02 00.0–.71 31.26N–.03 103.89E–.05 8–5 3.9b 31 0-93
IDC IX 01 15 01 58.5–.77 31.25N 103.77E 0 4.0,3.9b ¶11909226
ISCJB IX 01 15 02 01.0–.84 31.20N–.04 103.71E–.08 27–6 3.9b,3.9b
BJI IX 01 15 02 00.9 31.21N 103.85E 16 4.5b,4.2b
NEIC IX 01 15 02 00.1–.44 31.27N 103.87E 10 4.0b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=16.1km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.9km az=170.6.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.0km az=60.0.
ISC IX 03 09 57 50.5–.49 32.40N–.03 105.51E–.05 10 3.8b 23 2-84
ISCJB IX 03 09 57 48.6–.51 32.34N–.04 105.53E–.06 10 3.8b ¶11909363
IDC IX 03 09 57 49.3–1.4 32.37N 105.57E 0 3.9L,3.9
BJI IX 03 09 57 49.7 32.54N 105.36E 17 3.8L,3.9
ISCJB Error ellipse: s-maj=7.2km s-min=4.7km az=26.6.
IDC Error ellipse: s-maj=62.3km s-min=24.8km az=60.0.
ISC IX 03 15 20 40.5–.59 32.44N–.04 104.85E–.06 10 3.3b 15 2-62
ISCJB IX 03 15 20 38.4–.60 32.38N–.05 104.96E–.06 10 3.3b ¶11909381
IDC IX 03 15 20 39.6–1.1 32.28N 104.61E 0 3.5,3.4b

BJI IX 03 15 20 44.0 32.54N 104.82E 17 3.3L,3.4b
ISCJB Error ellipse: s-maj=8.4km s-min=5.1km az=37.4.
IDC Error ellipse: s-maj=186.8km s-min=19.2km az=56.0.
ISC IX 04 00 05 54.7–.90 30.82N–.04 103.87E–.06 10 11 0-5
BJI IX 04 00 05 48.7 30.71N 103.36E 20 3.6L **¶12608677**
ISC IX 04 20 19 57.0–.85 31.12N–.03 103.76E–.06 3–6 3.6b 28 0-82
BJI IX 04 20 19 56.8 31.11N 103.73E 13 3.8s,3.8b **¶11909485**
IDC IX 04 20 19 56.2–.92 31.11N 103.80E 0 3.8,3.6b
NEIC IX 04 20 19 58.9–4.1 31.09N 103.82E 16–27 3.7b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=17.5km az=63.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.3km az=68.0.
ISC IX 04 23 41 45.3–.39 30.91N–.03 103.48E–.05 10 3.5b 33 0-82
IDC IX 04 23 41 42.8–.93 31.02N 103.76E 0 3.8,3.7 **¶11909500**
ISCJB IX 04 23 41 43.2–.41 30.92N–.03 103.47E–.06 10 3.5b,3.7
NEIC IX 04 23 41 44.0–.42 30.95N 103.82E 10 3.7b,3.7
BJI IX 04 23 41 47.0 30.78N 103.78E 14 4.0b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=18.9km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.8km az=176.8.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.6km az=69.0.
ISC IX 05 17 15 03.6–.22 32.72N–.02 105.51E–.03 10 4.4b,3.3s 117 2-80
ISCJB IX 05 17 15 01.6–.23 32.69N–.02 105.49E–.03 10 4.4b,3.3s **¶11232762**
IDC IX 05 17 15 01.7–.64 32.75N 105.56E 0 4.3,4.2b
BJI IX 05 17 15 02.6 32.69N 105.53E 13 4.5b,4.3b
NEIC IX 05 17 15 02.6–2.6 32.75N 105.54E 5–17 4.3b,4.3b
MOS IX 05 17 15 04.6–1.0 32.74N 105.60E 33 4.7b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=25.9.
IDC Error ellipse: s-maj=23.3km s-min=14.2km az=62.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.8km az=68.0.
MOS Error ellipse: s-maj=11.5km s-min=6.8km az=105.2.
ISC IX 06 09 20 44.5–.91 31.23N–.03 103.56E–.05 6–6 3.9b 34 0-72
IDC IX 06 09 20 43.4–.85 31.12N 103.67E 0 4.1L,4.0 **¶11909595**
BJI IX 06 09 20 44.1 31.21N 103.68E 14 4.3b,3.9s
NEIC IX 06 09 20 45.5–.56 31.15N 103.68E 10 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=16.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=10.2km az=54.0.
ISC IX 06 09 39 40.0–.84 31.29N–.03 103.67E–.07 8–6 3.5b 18 0-70
ISCJB IX 06 09 39 37.6–.82 31.35N–.03 103.78E–.08 11–6 3.5b **¶11909596**
IDC IX 06 09 39 38.0–1.2 31.04N 103.49E 0 3.9L,3.6
BJI IX 06 09 39 39.8 31.27N 103.65E 14 3.5L,2.9
NEIC IX 06 09 39 39.4–.70 31.02N 103.39E 10 3.6b,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.2km az=7.6.
IDC Error ellipse: s-maj=38.3km s-min=21.6km az=60.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=10.6km az=223.0.
ISC IX 06 15 30 14.0–.32 31.55N–.03 99.84E–.03 10 3.9b,3.1s 50 3-71
IDC IX 06 15 30 11.0–.87 31.35N 99.74E 0 3.8b,3.8 **¶11909613**
ISCJB IX 06 15 30 12.4–.35 31.47N–.04 99.77E–.04 10 3.9b,3.1s
NEIC IX 06 15 30 12.7–.54 31.38N 99.95E 10 3.8b,3.1s
BJI IX 06 15 30 15.2 31.49N 99.82E 13 4.4b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=16.3km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.6km az=163.6.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.9km az=218.0.
ISC IX 06 17 41 05.1–.42 32.87N–.04 106.77E–.04 10 3.5b 34 2-62
ISCJB IX 06 17 41 03.0–.42 32.83N–.03 106.92E–.04 10 3.5b **¶11909621**
IDC IX 06 17 41 03.7–1.1 32.82N 106.96E 0 3.7,3.5b
BJI IX 06 17 41 04.8 32.90N 106.63E 14 3.9L,3.9b
NEIC IX 06 17 41 10.0–1.8 32.98N 107.13E 64–27 4.2b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.6km az=149.1.
IDC Error ellipse: s-maj=39.4km s-min=20.0km az=61.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=12.8km az=87.0.
ISC IX 07 06 52 36.1–.55 31.39N–.04 103.99E–.07 10 3.7b 20 1-81
ISCJB IX 07 06 52 33.9–.57 31.42N–.04 104.09E–.07 10 3.7b **¶11909695**
IDC IX 07 06 52 34.4–.98 31.32N 103.75E 0 3.9,3.7
BJI IX 07 06 52 38.0 31.30N 104.08E 12 3.5L,2.8
ISCJB Error ellipse: s-maj=9.4km s-min=5.6km az=16.8.
IDC Error ellipse: s-maj=42.0km s-min=20.0km az=56.0.
ISC IX 07 14 59 03.9–1.0 32.52N–.06 105.00E–.07 5–8 3.5b 12 2-62
IDC IX 07 14 59 02.7–1.1 32.27N 104.70E 0 3.5,3.4b **¶11909735**
BJI IX 07 14 59 07.6 32.62N 105.21E 13 3.4L,3.4b
IDC Error ellipse: s-maj=169.2km s-min=21.0km az=56.0.
ISC IX 07 17 50 22.1–1.2 26.3N–.20 102.2E–.40 10 3.4b 6 1-58
ISCJB IX 07 17 50 20.3–1.2 26.3N–.20 102.2E–.50 10 3.4b **¶11909743**
BJI IX 07 17 50 20.8 26.23N 101.86E 11 3.2L
IDC IX 07 17 50 21.4–1.6 26.48N 102.13E 0 3.6,3.4b
ISCJB Error ellipse: s-maj=63.1km s-min=8.3km az=158.3.
IDC Error ellipse: s-maj=87.5km s-min=23.7km az=67.0.
ISC IX 07 23 27 28.6–.59 32.29N–.06 104.94E–.07 10 3.6b 14 2-62
ISCJB IX 07 23 27 26.0–.62 32.30N–.06 105.00E–.07 10 3.6b **¶11909765**
IDC IX 07 23 27 27.1–1.1 32.58N 105.47E 0 3.6,3.5
BJI IX 07 23 27 32.5 32.37N 104.81E 14 3.1L,3.5
ISCJB Error ellipse: s-maj=11.2km s-min=5.3km az=135.5.
IDC Error ellipse: s-maj=168.8km s-min=20.5km az=56.0.
ISC IX 08 07 55 22.7–.69 31.11N–.04 103.37E–.06 10 3.5b 16 0-62
ISCJB IX 08 07 55 18.5–.86 31.16N–.04 103.13E–.07 10 3.5b **¶11909805**
IDC IX 08 07 55 21.2–1.2 30.95N 103.46E 0 3.7,3.6
BJI IX 08 07 55 23.9 30.90N 103.46E 15 3.7L,3.2s
ISCJB Error ellipse: s-maj=9.3km s-min=5.8km az=170.2.
IDC Error ellipse: s-maj=38.6km s-min=22.6km az=62.0.
ISC IX 08 17 07 28.8–.81 29.01N–.04 102.50E–.08 10 3.4b 14 2-60
IDC IX 08 17 07 25.3–1.4 28.74N 102.32E 0 3.6s,3.6 **¶11909822**
ISCJB IX 08 17 07 27.5–.89 29.05N–.05 102.5E–.10 10 3.4b,3.6
BJI IX 08 17 07 27.2 28.97N 102.46E 15 3.3L,3.2s
IDC Error ellipse: s-maj=43.2km s-min=24.3km az=72.0.
ISCJB Error ellipse: s-maj=15.8km s-min=5.9km az=11.3.
ISC IX 10 05 00 38.1–.34 32.44N–.03 105.44E–.04 10 4.0b 42 2-73
ISCJB IX 10 05 00 36.0–.35 32.41N–.03 105.48E–.04 10 4.0b **¶11909935**
IDC IX 10 05 00 36.1–.72 32.42N 105.33E 0 4.1,4.0
BJI IX 10 05 00 38.3 32.56N 105.43E 14 4.3b,4.0s
NEIC IX 10 05 00 41.8–1.1 32.42N 105.33E 39–12 4.1b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.7km az=179.7.
IDC Error ellipse: s-maj=34.4km s-min=14.5km az=58.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.8km az=56.0.
BJI IX 10 11 02 38.4 32.19N 104.50E 13 3.5L
¶12608730
ISC IX 10 19 10 38.5–1.2 31.61N–.08 104.2E–.10 15–10 3.2b 10 1-62
IDC IX 10 19 10 35.9–1.1 31.54N 104.03E 0 3.4,3.3b **¶11909987**
ISCJB IX 10 19 10 36.3–1.2 31.62N–.09 104.3E–.10 15–10 3.2b,3.3b
BJI IX 10 19 10 41.5 31.60N 103.99E 14 3.0L,3.3b
IDC Error ellipse: s-maj=90.4km s-min=20.0km az=60.0.
ISCJB Error ellipse: s-maj=21.1km s-min=9.8km az=39.5.
ISC IX 10 20 52 12.6–1.7 31.97N–.06 104.81E–.09 10–13 3.4b 13 1-62
IDC IX 10 20 52 09.8–1.2 32.17N 105.35E 0 3.5L,3.5b **¶11909999**
ISCJB IX 10 20 52 10.3–1.5 32.01N–.06 104.88E–.09 4–12 3.4b,3.5b
BJI IX 10 20 52 18.6 31.91N 104.36E 12 3.2L,3.5b
IDC Error ellipse: s-maj=61.7km s-min=20.6km az=63.0.
ISCJB Error ellipse: s-maj=13.3km s-min=8.6km az=20.5.
ISC IX 11 02 53 45.7–.73 32.39N–.02 105.18E–.03 7–4 5.1s,4.8b 304 2-147
IDC IX 11 02 53 43.9–.51 32.37N 105.22E 0 4.9,4.7s **¶13394046**
ISCJB IX 11 02 53 44.2–.79 32.36N–.02 105.18E–.03 10–5 5.1s,4.8b
NEIC IX 11 02 53 45.6–.22 32.38N 105.27E 10 4.9b,4.8b
BJI IX 11 02 53 45.0 32.35N 105.19E 12 5.1b,4.7s
MOS IX 11 02 53 47.5–1.2 32.34N 105.26E 35 5.0b,4.7s
SZGRF IX 11 02 53 51.0 31.80N 104.18E 33 5.1b,4.7s
DJA IX 11 02 53 56 32.19N 105.15E 85 5.1b,4.7s

ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=11.8km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.1km az=155.3.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.2km az=63.0.
MOS Error ellipse: s-maj=8.6km s-min=4.7km az=118.8.
SZGRF Sichuan, China.
ISC IX 11 08 33 47.7–.91 31.40N–.09 109.3E–.10 10 3.5b 11 3-68
ISCJB IX 11 08 33 45.6–.92 31.36N–.09 109.4E–.20 10 3.5b **¶11910038**
IDC IX 11 08 33 46.0–1.2 31.58N 109.70E 0 3.7,3.6
BJI IX 11 08 33 48.9 31.57N 109.40E 14 3.3L,3.6
ISCJB Error ellipse: s-maj=20.7km s-min=8.3km az=151.4.
IDC Error ellipse: s-maj=55.0km s-min=24.6km az=66.0.
ISC IX 11 08 49 51.2–.64 32.27N–.07 104.97E–.08 10 3.6b 16 2-62
IDC IX 11 08 49 50.9–1.3 31.96N 104.93E 0 3.7,3.5b **¶11910039**
BJI IX 11 08 49 52.4 32.21N 104.87E 11 3.4L,3.5b
IDC Error ellipse: s-maj=44.6km s-min=24.4km az=60.0.
ISC IX 11 10 30 22.8–.69 31.30N–.02 103.85E–.04 15–4 4.3b,3.5s 95 0-90
IDC IX 11 10 30 19.8–.77 31.29N 103.81E 0 4.5,4.4 **¶11265503**
BJI IX 11 10 30 21.8 31.22N 103.87E 14 4.6b,4.6b
NEIC IX 11 10 30 21.7–.38 31.27N 103.82E 10 4.2b,4.6b
MOS IX 11 10 30 22.7–.95 31.20N 103.83E 33 4.7b,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=30.3km s-min=15.0km az=63.0.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=6.6km az=219.0. Felt at Leshan.
MOS Error ellipse: s-maj=15.8km s-min=7.9km az=94.8.
ISC IX 11 13 16 42.9–.89 31.93N–.04 104.62E–.06 2–8 3.5b 11 1-62
IDC IX 11 13 16 42.8–1.2 32.23N 105.17E 0 3.7,3.5b **¶11910046**
BJI IX 11 13 16 47.1 31.94N 104.69E 13 3.2L,3.5b
IDC Error ellipse: s-maj=193.0km s-min=21.2km az=56.0.
ISC IX 11 15 45 09.0–.71 31.63N–.03 104.14E–.04 2–5 4.0b 40 1-64
IDC IX 11 15 45 08.6–.87 31.57N 103.97E 0 3.9,3.8b **¶11910049**
BJI IX 11 15 45 09.0 31.66N 104.17E 12 3.6L,3.8b
NEIC IX 11 15 45 11.3–.46 31.51N 103.97E 20 4.0b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=16.6km az=59.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.8km az=71.0.
ISC IX 11 17 39 01.6–.09 32.93N–.01 105.62E–.02 12 5.3b,4.7s 905 3-172
BJI IX 11 17 38 58.7 32.92N 105.67E 12 5.5s,5.5b **¶11377899**
ISCJB IX 11 17 38 59.8–.09 32.91N–.01 105.57E–.02 12 5.3b,4.7s
IDC IX 11 17 38 59.0–.34 32.88N 105.66E 0 5.1b,5.1
NEIC IX 11 17 39 01.1–.11 32.91N 105.63E 10 5.4b,5.1
GCMT IX 11 17 39 01.6–.20 32.98N 105.65E 12 5.1W,5.1
MOS IX 11 17 39 02.6–.94 32.98N 105.71E 33 5.5b,4.8s
SZGRF IX 11 17 39 05.4 32.73N 105.56E 33 5.6b,4.7s
DJA IX 11 17 39 07 32.94N 105.52E 51 5.5b,4.7s
BGS IX 11 17 39 33.4–1.8 35.79N 103.28E 10–0 5.3b,4.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.3km s-min=1.9km az=149.5.
IDC Error ellipse: s-maj=11.2km s-min=7.5km az=41.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.5km az=214.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s35,c42; s83,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}5.37±.13 $M_{\theta\theta}$0.36±.11; $M_{\phi\phi}$-5.73±.11; $M_{r\theta}$0.47±.42; $M_{\theta\phi}$3.13±.10; $M_{\phi r}$-0.79±.34; Best double couple: NP1:ϕ_s339.00000°,δ41.00000°,λ93.00000°. NP2:ϕ_s155.00000°,δ49.00000°,λ88.00000°. Principal axes: T 5.4400,Plg85.0000° ,Azm43.0000°; N 1.6800,Plg2.0000°,Azm157.0000°; P -7.1200,Plg4.0000°,Azm247.0000° M_o6.30000×10^{16}
MOS Error ellipse: s-maj=6.1km s-min=3.5km az=117.4.
SZGRF Sichuan, China.
BGS Error ellipse: s-maj=794.3km s-min=999.9km az=-1.0.
BJI IX 12 04 57 48.6 30.65N 103.51E 17 3.5L
¶12608754
ISC IX 12 17 35 53.1–.89 31.61N–.05 104.38E–.09 17–10 3.1b 10 1-62
IDC IX 12 17 35 48.9–1.5 31.32N 103.37E 0 3.3,3.2 **¶11910113**
BJI IX 12 17 35 54.6 31.82N 104.13E 12 2.9L,3.2
IDC Error ellipse: s-maj=48.4km s-min=27.9km az=52.0.
BJI IX 12 23 06 51.3 32.77N 105.56E 15 3.0L
¶12608763
ISC IX 13 13 03 04.0–.86 31.96N–.04 104.65E–.06 9–7 3.6b 24 1-62
ISCJB IX 13 13 03 02.2–.92 31.94N–.04 104.71E–.07 8–7 3.6b **¶11910183**
IDC IX 13 13 03 03.4–.95 31.92N 104.60E 0 3.6,3.5L
NEIC IX 13 13 03 04.7–.57 31.97N 104.69E 10 3.6,3.5L
BJI IX 13 13 03 06.5 31.88N 104.49E 12 3.7L,3.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.9km az=27.8.
IDC Error ellipse: s-maj=37.3km s-min=17.8km az=62.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.4km az=68.0.
ISC IX 13 16 15 33.7–1.7 31.17N–.07 103.4E–.10 10 3.2b 8 0-62
ISCJB IX 13 16 15 34.2–2.5 31.26N–.08 103.6E–.20 10 3.5b **¶11910196**
BJI IX 13 16 15 36.1 30.92N 103.32E 12 3.2L
IDC IX 13 16 15 50.6–5.2 29.39N 106.35E 0 4.1,4.1s
ISCJB Error ellipse: s-maj=24.4km s-min=7.1km az=21.4.
IDC Error ellipse: s-maj=126.4km s-min=36.3km az=129.0.
ISC IX 14 18 05 20.6–.82 32.36N–.04 105.00E–.06 6–7 3.6b 17 2-62
IDC IX 14 18 05 18.9–1.1 32.73N 105.87E 0 3.7,3.5b **¶11910279**
BJI IX 14 18 05 22.8 32.37N 104.91E 12 3.1L,3.5b
IDC Error ellipse: s-maj=160.8km s-min=20.3km az=57.0.
ISC IX 17 14 54 53.1–1.0 32.27N–.04 104.7E–.10 2–10 3.6b 9 2-62
ISCJB IX 17 14 54 51.0–.82 32.33N–.04 104.59E–.07 12–10 3.6b **¶11910484**
IDC IX 17 14 54 53.1–1.6 32.51N 105.50E 0 3.7,3.5b
BJI IX 17 14 54 58.0 32.24N 104.71E 15 3.3L,3.5b
ISCJB Error ellipse: s-maj=10.9km s-min=6.1km az=25.6.
IDC Error ellipse: s-maj=691.8km s-min=28.4km az=61.0.
ISC IX 19 16 29 30.4–.89 31.24N–.03 103.71E–.04 4–6 3.8b,3.2s 37 0-71
IDC IX 19 16 29 29.4–.81 31.14N 103.69E 0 3.9,3.9b **¶11377957**
BJI IX 19 16 29 30.4 31.18N 103.80E 11 4.6b,4.3b
NEIC IX 19 16 29 31.0–.31 31.15N 103.69E 10 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=15.0km az=48.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.3km az=195.0.
ISC IX 19 16 31 32.6–.39 31.89N–.03 104.25E–.06 10 3.9b 29 1-73
ISCJB IX 19 16 31 30.6–.38 31.90N–.03 104.28E–.06 10 3.9b **¶11910634**
IDC IX 19 16 31 30.4–.75 31.81N 104.16E 0 3.9,3.8b
BJI IX 19 16 31 31.5 32.01N 104.62E 26 3.6L,3.1s
NEIC IX 19 16 31 31.8–.34 31.83N 104.27E 10 3.6L,3.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.2km az=3.8.
IDC Error ellipse: s-maj=32.4km s-min=15.1km az=58.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.1km az=65.0.
ISC IX 19 21 13 20.2–.91 31.18N–.03 103.59E–.06 14–6 3.5b 19 0-62
IDC IX 19 21 13 17.5–1.1 31.07N 103.66E 0 3.6,3.5b **¶11910654**
BJI IX 19 21 13 19.2 31.25N 103.74E 17 3.3L,3.5b
NEIC IX 19 21 13 19.2–.60 31.06N 103.55E 10 3.3L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=20.2km az=65.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=9.8km az=73.0.
ISC IX 22 04 44 36.3–.95 32.21N–.04 105.28E–.05 3–7 3.6b 19 2-64
ISCJB IX 22 04 44 34.5–.97 32.16N–.04 105.35E–.05 1–7 3.7b **¶11910809**
IDC IX 22 04 44 35.6–1.2 32.13N 105.24E 0 3.8,3.6b
BJI IX 22 04 44 37.7 32.27N 104.96E 12 3.7L,3.6b
ISCJB Error ellipse: s-maj=8.5km s-min=5.3km az=31.5.
IDC Error ellipse: s-maj=74.8km s-min=21.1km az=60.0.
ISC IX 22 06 45 18.4–.87 31.27N–.03 103.96E–.05 4–6 3.8b 29 0-82
IDC IX 22 06 45 16.7–.97 31.25N 104.09E 0 4.1,3.9b **¶11910817**
BJI IX 22 06 45 17.6 31.30N 103.74E 12 4.4b,4.1s
NEIC IX 22 06 45 18.5–.54 31.17N 103.98E 10 3.8b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=18.3km az=69.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.4km az=61.0.
ISC IX 22 18 49 59.6–.38 32.66N–.03 105.66E–.04 10 3.7b 31 2-64
ISCJB IX 22 18 49 57.5–.41 32.65N–.03 105.67E–.04 10 3.7b **¶11910848**
IDC IX 22 18 49 58.1–.86 32.62N 105.48E 0 3.7b,3.7

BJI IX 22 18 49 59.1 32.65N 105.55E 14 4.5b,4.2b
NEIC IX 22 18 49 59.5–.49 32.68N 105.50E 10 4.5b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=26.5.
IDC Error ellipse: s-maj=36.5km s-min=16.9km az=56.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.2km az=64.0.
ISC IX 23 11 48 25.4–.78 31.3N–.10 104.48E–.10 10 3.2b 7 1-61
ISCJB IX 23 11 48 22.9–.88 31.2N–.10 104.59E–.09 10 3.2b ¶11910886
IDC IX 23 11 48 22.7–3.0 31.35N 104.54E 0 3.5,3.3
BJI IX 23 11 48 25.8 31.61N 104.22E 11 3.0L,3.3
ISCJB Error ellipse: s-maj=20.7km s-min=7.4km az=154.2.
IDC Error ellipse: s-maj=560.0km s-min=27.0km az=52.0.
ISC IX 23 15 05 54.5–1.5 28.24N–.06 105.2E–.10 3–11 3.7b 10 4-59
IDC IX 23 15 05 54.0–1.3 28.21N 105.16E 0 3.9L,3.8 ¶11910891
BJI IX 23 15 05 58.2 28.35N 104.91E 17 3.2L,3.8
IDC Error ellipse: s-maj=49.7km s-min=22.9km az=69.0.
ISC IX 23 19 54 59.7–.79 31.59N–.03 104.09E–.04 12–5 4.1b,3.4s 79 1-108
ISCJB IX 23 19 54 57.9–.94 31.66N–.03 104.04E–.05 11–6 4.1b,3.4s ¶13395046
IDC IX 23 19 54 57.2–.68 31.65N 104.26E 0 3.9,3.9
BJI IX 23 19 55 00.0 31.59N 104.12E 15 4.5b,4.2s
NEIC IX 23 19 55 02.2–.43 31.61N 103.95E 29 4.4b,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.2km az=13.7.
IDC Error ellipse: s-maj=28.1km s-min=13.9km az=54.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.0km az=199.0.
ISC IX 26 10 32 00.0–.88 32.73N–.03 105.73E–.03 3–6 3.9b 43 2-70
ISCJB IX 26 10 31 58.7–.96 32.70N–.03 105.79E–.04 8–6 3.9b ¶11911082
IDC IX 26 10 31 59.1–.80 32.70N 105.60E 0 4.0,3.9b
BJI IX 26 10 32 00.4 32.78N 105.71E 14 4.8b,4.5b
NEIC IX 26 10 32 01.4–.47 32.77N 105.68E 10 4.1b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.9km az=162.5.
IDC Error ellipse: s-maj=25.5km s-min=16.2km az=57.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.5km az=48.0.
ISC IX 26 21 52 14.8–1.1 31.87N–.04 104.42E–.07 7–8 3.5b 14 1-62
ISCJB IX 26 21 52 13.1–.87 31.89N–.04 104.57E–.07 9–7 3.5b ¶11911123
IDC IX 26 21 52 13.8–1.1 31.95N 104.54E 0 3.7,3.5b
BJI IX 26 21 52 15.4 31.80N 104.46E 8 3.3L,3.5b
ISCJB Error ellipse: s-maj=11.3km s-min=5.4km az=31.2.
IDC Error ellipse: s-maj=199.8km s-min=20.0km az=57.0.
ISC IX 27 19 27 54.0–.92 32.08N–.04 104.66E–.05 4–6 3.8b 34 1-67
IDC IX 27 19 27 53.1–.91 32.15N 104.77E 0 3.8b,3.8 ¶11911221
NEIC IX 27 19 27 54.9–.38 32.17N 104.78E 10 4.0b,3.8
BJI IX 27 19 27 55.0 32.09N 104.67E 14 3.4L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=54.5km s-min=16.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.4km az=62.0.
ISC IX 27 21 58 35.4–.49 32.79N–.03 105.44E–.05 10 3.5b 18 2-62
ISCJB IX 27 21 58 33.6–.53 32.77N–.04 105.39E–.06 10 3.5b ¶11911233
BJI IX 27 21 58 34.2 32.74N 105.48E 14 3.4L
IDC IX 27 21 58 34.6–1.3 32.99N 105.82E 0 3.5,3.4b
ISCJB Error ellipse: s-maj=8.2km s-min=5.0km az=36.8.
IDC Error ellipse: s-maj=98.8km s-min=23.8km az=58.0.
ISC IX 28 19 36 18.8–.78 31.26N–.04 103.92E–.06 10–5 3.9b 25 0-70
ISCJB IX 28 19 36 16.1–.83 31.33N–.04 103.97E–.06 3–6 3.9b ¶11911289
IDC IX 28 19 36 17.1–.82 31.34N 103.95E 0 3.9b,3.9
BJI IX 28 19 36 19.0 31.27N 103.97E 12 4.6b,4.3b
NEIC IX 28 19 36 19.1–.46 31.35N 103.94E 10 3.7b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.1km az=25.7.
IDC Error ellipse: s-maj=44.5km s-min=16.5km az=64.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.2km az=59.0.
ISC IX 29 19 28 12.7–.49 31.54N–.03 104.13E–.07 10 3.5b 20 1-62
ISCJB IX 29 19 28 10.7–.55 31.57N–.04 104.17E–.07 10 3.5b ¶11911383
IDC IX 29 19 28 11.5–1.1 31.47N 104.24E 0 3.6,3.4b
BJI IX 29 19 28 12.5 31.52N 104.09E 10 3.7L,3.4b
NEIC IX 29 19 28 13.3–.74 31.48N 104.17E 10 3.7L,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.0km az=9.0.
IDC Error ellipse: s-maj=38.1km s-min=21.3km az=59.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=12.7km az=53.0.
BJI IX 30 04 00 12.8 30.73N 103.29E 13 3.6L ¶12608902
ISC IX 30 18 53 55.9–.95 31.27N–.06 103.98E–.10 6–8 3.5b 10 0-62
ISCJB IX 30 18 53 52.9–.93 31.30N–.07 104.11E–.09 0–8 3.5b ¶11911479
IDC IX 30 18 53 54.7–1.4 31.29N 103.97E 0 3.5,3.4b
BJI IX 30 18 53 56.6 31.14N 103.63E 12 3.2L,3.4b
ISCJB Error ellipse: s-maj=16.7km s-min=6.2km az=41.1.
IDC Error ellipse: s-maj=39.0km s-min=27.2km az=59.0.
ISC X 01 01 21 32.6–.47 32.12N–.04 104.81E–.06 10 3.7b 36 4-69
ISCJB X 01 01 21 30.8–.48 32.09N–.05 104.84E–.05 10 3.7b ¶11911514
IDC X 01 01 21 30.9–.96 31.83N 104.42E 0 4.0,3.8
NEIC X 01 01 21 33.1–.53 31.84N 104.35E 10 3.6b,3.8
BJI X 01 01 21 34.4 32.13N 104.79E 17 3.8L,3.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.5km az=37.3.
IDC Error ellipse: s-maj=35.2km s-min=18.5km az=62.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.2km az=59.0.
ISC X 01 09 18 53.7–.59 31.22N–.03 103.76E–.08 10 3.6b 19 0-62
ISCJB X 01 09 18 51.0–.72 31.30N–.04 103.64E–.10 10 3.6b ¶11911542
IDC X 01 09 18 52.0–1.3 31.08N 103.73E 0 3.7,3.7L
BJI X 01 09 18 52.7 31.19N 103.73E 15 3.9b,3.8L
ISCJB Error ellipse: s-maj=12.0km s-min=5.5km az=9.3.
IDC Error ellipse: s-maj=37.0km s-min=24.2km az=70.0.
ISC X 01 13 03 06.8–.68 31.16N–.03 103.89E–.07 10 3.6b 16 0-62
ISCJB X 01 13 03 04.4–.72 31.13N–.04 104.04E–.06 10 3.6b ¶11911552
IDC X 01 13 03 04.8–1.4 31.39N 104.47E 0 3.8L,3.7
BJI X 01 13 03 06.6 31.18N 103.77E 12 3.5L,3.7
ISCJB Error ellipse: s-maj=7.9km s-min=5.9km az=21.7.
IDC Error ellipse: s-maj=38.0km s-min=27.7km az=61.0.
ISC X 02 22 37 43.9–.97 31.76N–.03 104.32E–.05 20–7 3.6b 34 1-71
IDC X 02 22 37 41.2–1.4 31.71N 104.32E 0 3.5,3.4 ¶11911764
NEIC X 02 22 37 42.2–.36 31.69N 104.30E 10 4.0b,3.4
BJI X 02 22 37 43.6 31.77N 104.25E 8 3.2L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=43.3km s-min=25.0km az=60.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.6km az=73.0.
IDC X 03 07 13 11.0–19 30.31N 99.65E 0 3.6b,3.6 ¶12065763
IDC Error ellipse: s-maj=304.2km s-min=58.6km az=156.0.
IDC X 03 11 23 33.6–1.6 29.74N 99.63E 0 3.5L,3.5 ¶12065778
IDC Error ellipse: s-maj=78.7km s-min=24.6km az=66.0.
ISC X 03 17 36 16.9–.68 31.12N–.08 103.50E–.06 10 3.4b 17 5-62
ISCJB X 03 17 36 14.8–.68 31.06N–.08 103.47E–.08 10 3.4b ¶12065794
IDC X 03 17 36 15.5–1.1 31.06N 103.44E 0 3.7L,3.6
NEIC X 03 17 36 16.8–.66 31.12N 103.44E 10 3.7L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=8.9km az=24.9.
IDC Error ellipse: s-maj=36.2km s-min=20.0km az=65.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=10.7km az=65.0.
ISC X 03 17 53 55.8–1.8 31.58N–.08 104.01E–.07 1–12 3.9b 31 5-69
IDC X 03 17 53 55.6–.79 31.66N 104.08E 0 3.8,3.7b ¶12065797
NEIC X 03 17 53 57.1–4.3 31.58N 103.98E 10–28 4.6b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=15.7km az=57.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.2km az=61.0.
ISC X 03 19 19 08.1–.85 29.9N–.10 99.7E–.10 35 3.6b 18 7-63
IDC X 03 19 19 02.8–1.1 29.76N 99.57E 0 3.6,3.5 ¶12065806
NEIC X 03 19 19 04.0–.77 30.04N 99.92E 10 4.0b,3.5
ISCJB X 03 19 19 05.8–.84 29.8N–.10 99.6E–.10 33 3.6b,3.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 03 23 27 35.6–.86 30.0N–.10 99.8E–.20 10 3.5b 16 18-63
ISCJB X 03 23 27 33.6–.86 30.0N–.10 99.9E–.20 10 3.5b ¶12065841
IDC X 03 23 27 33.8–1.1 30.03N 99.74E 0 3.6,3.5b
NEIC X 03 23 27 35.5–.72 30.03N 99.75E 10 3.7b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.1km s-min=14.1km az=144.4.
IDC Error ellipse: s-maj=59.4km s-min=19.4km az=58.0.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=11.9km az=53.0.
ISC X 04 12 11 46.7–.77 31.83N–.02 104.12E–.03 10–5 4.5b,3.9s 336 1-163
IDC X 04 12 11 44.7–.45 31.83N 104.16E 0 4.4b,4.4 ¶11328047
ISCJB X 04 12 11 45.9–.86 31.79N–.02 104.14E–.03 15–5 4.5b,3.9s
BJI X 04 12 11 45.9 31.86N 104.29E 10 4.7b,4.6L
NEIC X 04 12 11 46.5–.21 31.82N 104.10E 10 4.7b,4.6L
MOS X 04 12 11 47.1–.77 31.78N 104.19E 29 4.9b,4.6L
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=10.7km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.8km az=5.1.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=4.4km az=171.0.
MOS Error ellipse: s-maj=7.5km s-min=4.7km az=112.3.
ISC X 04 15 55 34.7–.98 31.44N–.03 104.01E–.03 16–6 4.2b,3.3s 141 1-76
IDC X 04 15 55 32.2–.60 31.44N 104.08E 0 4.2,4.0 ¶11366359
BJI X 04 15 55 33.6 31.41N 104.10E 9 4.6b,4.4b
ISCJB X 04 15 55 34.9–.25 31.42N–.02 103.98E–.04 33 4.2b,3.3s
MOS X 04 15 55 34.8–.99 31.40N 104.04E 33 4.4b,3.3s
NEIC X 04 15 55 36.0–2.3 31.43N 103.97E 26–18 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=12.4km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.6km az=176.9.
MOS Error ellipse: s-maj=10.1km s-min=7.3km az=104.3.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.9km az=200.0.
ISC X 04 18 28 50.6–.34 30.97N–.03 103.34E–.04 10 4.1b 54 0-82
ISCJB X 04 18 28 48.6–.35 30.95N–.04 103.36E–.05 10 4.1b ¶13395988
IDC X 04 18 28 48.8–.74 30.98N 103.31E 0 4.2,4.0b
NEIC X 04 18 28 50.5–.38 30.98N 103.35E 10 4.3b,4.0b
BJI X 04 18 28 52.6 30.86N 103.38E 24 3.9s,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.2km az=138.6.
IDC Error ellipse: s-maj=25.8km s-min=16.9km az=47.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.2km az=216.0.
ISC X 05 07 37 22.7–.73 31.66N–.04 102.97E–.07 10 3.6b 15 1-59
IDC X 05 07 37 19.9–1.4 31.52N 102.92E 0 3.7,3.6b ¶12065976
ISCJB X 05 07 37 21.3–.73 31.64N–.04 102.93E–.07 10 3.6b,3.6b
BJI X 05 07 37 25.2 31.67N 103.18E 10 3.6s,3.5L
IDC Error ellipse: s-maj=43.2km s-min=23.7km az=48.0.
ISCJB Error ellipse: s-maj=8.8km s-min=5.5km az=162.4.
ISC X 06 17 48 18.0–.85 31.32N–.03 103.81E–.08 8–8 3.6b 14 0-62
BJI X 06 17 48 18.9 31.19N 103.50E 18 3.5L ¶12789681
IDC X 06 17 48 33.7–5.5 29.53N 106.00E 0 3.5,3.4L
IDC Error ellipse: s-maj=133.6km s-min=35.8km az=129.0.
BJI X 07 03 41 35.3 31.16N 103.87E 18 3.7L ¶12789684
IDC X 08 11 38 56.1–1.3 26.60N 102.72E 0 3.5,3.4L ¶12066330
IDC Error ellipse: s-maj=39.7km s-min=19.7km az=83.0.
ISC X 09 16 29 50.6–.75 29.37N–.02 104.86E–.03 12–4 4.5b,3.5s 293 2-142
ISCJB X 09 16 29 48.0–.76 29.32N–.02 104.87E–.03 7–4 4.5b,3.5s ¶11342439
IDC X 09 16 29 48.3–.54 29.36N 104.84E 0 4.5,4.4
MOS X 09 16 29 49.2–.99 29.31N 104.88E 19 4.8b,4.4
BJI X 09 16 29 50.8 29.35N 104.96E 24 4.7b,4.5L
NEIC X 09 16 29 51.5–2.2 29.31N 104.81E 19–14 4.6b,4.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.3km az=41.1.
IDC Error ellipse: s-maj=19.7km s-min=11.8km az=51.0.
MOS Error ellipse: s-maj=9.3km s-min=5.2km az=119.0.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=4.7km az=211.0. Felt at Zigong.
ISC X 10 17 46 00.3–.96 32.72N–.05 105.26E–.06 18–7 3.6b 28 2-64
IDC X 10 17 45 55.3–1.1 32.70N 105.73E 0 3.7L,3.7 ¶12066520
NEIC X 10 17 45 56.9–.91 32.76N 105.77E 10 3.7L,3.7
BJI X 10 17 45 57.8 32.41N 105.06E 9 3.2s,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=65.4km s-min=18.9km az=58.0.
NEIC Event type se. Error ellipse: s-maj=31.1km s-min=13.1km az=69.0.
IDC X 11 01 08 42.0–1.3 31.11N 103.66E 0 4.2L,3.7 ¶12066555
IDC Error ellipse: s-maj=37.0km s-min=24.9km az=72.0.
ISC X 11 20 08 13.6–.64 32.57N–.04 105.19E–.07 10 3.5b 14 2-62
ISCJB X 11 20 08 11.2–.68 32.60N–.04 105.12E–.07 10 3.5b ¶12066608
IDC X 11 20 08 12.1–1.4 33.07N 106.63E 0 3.6,3.4b
BJI X 11 20 08 14.8 32.46N 105.27E 10 3.2L,3.4b
ISCJB Error ellipse: s-maj=8.7km s-min=5.3km az=23.4.
IDC Error ellipse: s-maj=96.1km s-min=24.8km az=57.0.
ISC X 12 16 38 25.7–4.2 30.74N–.08 103.4E–.10 34–33 3.3b 18 5-62
IDC X 12 16 38 20.5–1.1 30.64N 103.23E 0 3.4,3.3b ¶12068476
NEIC X 12 16 38 22.4–.50 30.75N 103.39E 10 4.2b,3.3b
ISCJB X 12 16 38 23.5–2.1 30.70N–.08 103.4E–.10 33–21 3.3b,3.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 15 09 15 59.8–1.4 31.1N–.10 103.1E–.10 10 3.4b 9 1-62
BJI X 15 09 16 03.9 30.89N 103.46E 13 3.2L ¶12068667
IDC X 15 09 16 20.7–24 29.19N 106.77E 0 3.8,3.6b
IDC Error ellipse: s-maj=604.7km s-min=42.6km az=117.0.
ISC X 15 21 10 36.2–.77 32.31N–.03 105.21E–.04 10–5 3.8b 47 2-64
IDC X 15 21 10 35.2–.95 32.38N 105.26E 0 3.6,3.5b ¶12068713
NEIC X 15 21 10 36.2–.35 32.36N 105.25E 10 4.2b,3.5b
BJI X 15 21 10 38.0 32.48N 105.00E 22 3.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=60.7km s-min=17.2km az=61.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.0km az=54.0.
ISC X 15 22 07 05.0–.86 31.45N–.03 104.36E–.04 3–6 3.6b 35 1-62
IDC X 15 22 07 04.1–1.3 31.47N 104.36E 0 3.7L,3.6 ¶12068715
NEIC X 15 22 07 05.6–.44 31.44N 104.34E 10 3.9b,3.6
BJI X 15 22 07 06.5 31.60N 104.18E 32 3.6L,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=59.6km s-min=21.7km az=61.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.3km az=65.0.
ISC X 15 23 59 17.9–.39 31.52N–.03 104.37E–.05 10 3.8b 41 5-81
ISCJB X 15 23 59 15.7–.40 31.57N–.03 104.45E–.05 10 3.8b ¶12068719
IDC X 15 23 59 15.8–.95 31.46N 104.01E 0 4.0,3.8b
NEIC X 15 23 59 17.7–.47 31.59N 104.41E 10 3.3b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=168.2.
IDC Error ellipse: s-maj=65.8km s-min=17.8km az=58.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.3km az=59.0.
ISC X 16 00 00 53.7–.76 31.55N–.03 104.09E–.04 6–5 3.8b 48 1-81
IDC X 16 00 00 52.4–.93 31.40N 104.01E 0 3.9,3.8b ¶12068720
NEIC X 16 00 00 54.1–.36 31.42N 103.98E 10 4.0b,3.8b
BJI X 16 00 00 57.7 31.41N 103.97E 15 3.6L,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=17.7km az=55.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.2km az=80.0.
ISC X 16 02 08 47.2–.76 31.23N–.03 103.71E–.04 15–5 4.2b,3.3s 107 0-82
IDC X 16 02 08 44.3–.73 31.19N 103.82E 0 4.3,4.2b ¶12068725
NEIC X 16 02 08 46.0–.40 31.18N 103.74E 10 4.5b,4.2b
BJI X 16 02 08 46.2 31.23N 103.68E 10 4.8b,4.5b
ISCJB X 16 02 08 47.4–.58 31.13N–.04 103.71E–.04 33–5 4.2b,3.3s
MOS X 16 02 08 47.4–1.5 31.19N 103.82E 33 4.6b,3.3s
ISC Event type fe.

IDC Error ellipse: s-maj=27.7km s-min=14.2km az=57.0.
NEIC Event type fe. Error ellipse: s-maj=8.1km s-min=7.3km az=21.0. Felt at Chengdu.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=5.5km az=42.6.
MOS Error ellipse: s-maj=12.2km s-min=7.8km az=104.9.
IDC X 16 07 56 56.6–2.5 32.60N 105.96E 0 3.7,3.5
¶12068746
IDC Error ellipse: s-maj=377.2km s-min=21.7km az=52.0.
ISC X 16 09 46 18.2–.62 31.21N–.02 103.65E–.04 16–4 4.4b,3.8s 171 0-93
IDC X 16 09 46 15.0–.57 31.16N 103.67E 0 4.4,4.3 **¶13397248**
NEIC X 16 09 46 16.8–.28 31.12N 103.61E 10 4.6b,4.3
ISCJB X 16 09 46 18.0–.57 31.15N–.03 103.65E–.04 31–4 4.4b,3.8s
MOS X 16 09 46 18.3–.92 31.15N 103.73E 33 4.7b,3.8s
BJI X 16 09 46 20.5 31.22N 103.75E 20 4.6b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=21.6km s-min=12.5km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=5.2km az=16.0. Felt at Chengdu.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=4.9km az=28.8.
MOS Error ellipse: s-maj=10.4km s-min=6.1km az=111.1.
IDC X 16 10 17 10.7–7.2 32.01N 106.20E 0 3.9,3.7b
¶12068758
IDC Error ellipse: s-maj=413.2km s-min=44.3km az=80.0.
ISC X 18 08 40 08.1–1.4 32.52N–.05 105.06E–.05 3–9 3.8b 31 4-64
IDC X 18 08 40 06.8–1.0 32.70N 105.27E 0 4.1L,3.9 **¶12068966**
BJI X 18 08 40 07.7 32.38N 105.21E 20 3.3L,3.9
NEIC X 18 08 40 08.9–.56 32.64N 105.09E 10 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=72.6km s-min=17.8km az=59.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=9.5km az=56.0.
ISC X 19 01 22 52.8–.76 31.82N–.03 104.37E–.04 1–5 4.0b 41 1-64
IDC X 19 01 22 52.7–.81 31.69N 104.10E 0 4.0,3.9 **¶12069014**
NEIC X 19 01 22 54.3–.42 31.68N 104.11E 10 4.2b,3.9
BJI X 19 01 22 54.9 31.83N 104.35E 12 4.1b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=15.6km az=58.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.4km az=63.0.
ISC X 20 09 59 35.2–.51 30.98N–.03 103.43E–.06 10 3.8b 36 0-72
ISCJB X 20 09 59 32.6–.49 31.02N–.03 103.44E–.07 10 3.8b **¶12069122**
IDC X 20 09 59 32.8–1.0 30.93N 103.31E 0 4.0,3.9b
NEIC X 20 09 59 34.9–.58 31.07N 103.43E 10 4.0,3.9b
BJI X 20 09 59 36.3 30.94N 103.68E 16 3.6L,3.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.4km az=3.9.
IDC Error ellipse: s-maj=39.6km s-min=20.3km az=60.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.8km az=64.0.
ISC X 21 07 25 28.4–.82 31.71N–.02 104.19E–.03 7–5 4.1b,3.4s 91 1-94
IDC X 21 07 25 26.8–.62 31.63N 104.15E 0 4.4L,4.3 **¶11478026**
ISCJB X 21 07 25 28.6–1.4 31.66N–.03 104.15E–.04 15–9 4.1b,3.4s
NEIC X 21 07 25 28.8–.41 31.56N 104.08E 10 4.5b,3.4s
BJI X 21 07 25 29.5 31.66N 104.16E 15 4.7b,4.3L
ISC Event type fe.
IDC Error ellipse: s-maj=20.6km s-min=13.0km az=49.0.
ISCJB Event type fe. Error ellipse: s-maj=6.2km s-min=5.3km az=159.6.
NEIC Event type fe. Error ellipse: s-maj=9.1km s-min=7.4km az=5.0. Felt at Chengdu.
ISC X 22 07 53 35.3–.42 31.34N–.03 103.84E–.05 10 3.9b 40 0-72
IDC X 22 07 53 33.0–.87 31.36N 103.80E 0 4.1,4.0b **¶12070784**
ISCJB X 22 07 53 33.1–.44 31.31N–.04 103.85E–.06 10 3.9b,4.0b
NEIC X 22 07 53 34.9–.45 31.37N 103.83E 10 4.1b,4.0b
BJI X 22 07 53 34.6 31.38N 103.90E 16 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=16.6km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.4km az=2.1.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.9km az=61.0.
ISC X 22 09 43 14.5–1.3 31.44N–.04 103.78E–.06 2–10 3.7b 24 1-62
IDC X 22 09 43 13.5–1.1 31.40N 103.84E 0 3.7,3.6b **¶12070792**
BJI X 22 09 43 14.9 31.42N 103.84E 15 3.3L,3.6b
NEIC X 22 09 43 15.7–.69 31.41N 103.72E 10 3.8b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=20.9km az=65.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=11.3km az=65.0.
ISC X 22 16 00 40.8–1.0 31.88N–.04 104.31E–.07 11–9 3.5b 16 1-62
ISCJB X 22 16 00 37.8–1.3 31.91N–.04 104.42E–.10 7–10 3.5b **¶12070808**
IDC X 22 16 00 38.3–1.2 32.41N 105.13E 0 3.6,3.5b
BJI X 22 16 00 42.6 31.89N 104.30E 15 3.3L,3.5b
ISCJB Error ellipse: s-maj=14.5km s-min=7.0km az=12.7.
IDC Error ellipse: s-maj=94.2km s-min=20.6km az=56.0.
ISC X 23 21 56 04.3–.70 32.51N–.02 105.29E–.02 6–4 4.7b,4.4s 401 2-128
ISCJB X 23 21 56 01.9–.71 32.48N–.02 105.32E–.02 4–4 4.7b,4.4s **¶11362187**
IDC X 23 21 56 02.8–.47 32.47N 105.31E 0 4.6,4.6
BJI X 23 21 56 03.5 32.47N 105.37E 10 5.0b,4.7b
NEIC X 23 21 56 04.5–.17 32.45N 105.26E 10 4.8b,4.7b
MOS X 23 21 56 05.9–.83 32.43N 105.32E 33 4.9b,4.7b
DJA X 23 21 56 19 32.07N 104.91E 119 4.9b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=3.0km az=141.2.
IDC Error ellipse: s-maj=16.8km s-min=10.9km az=46.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.5km az=41.0.
MOS Error ellipse: s-maj=8.1km s-min=4.1km az=122.0.
ISC X 24 00 27 24.0–.38 32.45N–.03 105.46E–.04 10 3.9b 38 2-62
ISCJB X 24 00 27 22.6–.38 32.41N–.03 105.40E–.04 10 3.9b **¶12070947**
BJI X 24 00 27 22.6 32.53N 105.42E 12 3.7L,3.6s
IDC X 24 00 27 23.8–1.2 32.13N 105.24E 0 3.9,3.8b
NEIC X 24 00 27 25.4–.45 32.05N 104.83E 10 3.9b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.1km az=169.1.
IDC Error ellipse: s-maj=96.0km s-min=22.3km az=58.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.0km az=60.0.
ISC X 24 17 50 34.8–.83 31.36N–.03 103.91E–.03 19–5 4.4b,3.1s 131 0-121
IDC X 24 17 50 31.5–.56 31.35N 103.93E 0 4.4,4.3 **¶12071010**
NEIC X 24 17 50 33.3–2.3 31.38N 103.91E 10–15 4.6b,4.3
BJI X 24 17 50 33.7 31.36N 104.09E 14 4.9b,4.6b
ISCJB X 24 17 50 34.6–.23 31.31N–.03 103.93E–.04 33 4.4b,3.1s
ISC Event type fe.
NEIC Event type fe. Felt at Chengdu.
ISCJB Event type fe.
ISC X 24 18 03 59.8–.94 31.24N–.10 104.0E–.10 10 3.6b 8 0-62
ISCJB X 24 18 03 57.4–.85 31.3N–.10 104.1E–.10 10 3.6b **¶12071011**
IDC X 24 18 03 58.7–1.4 31.42N 104.20E 0 3.6,3.5L
BJI X 24 18 03 59.4 31.14N 103.53E 12 3.1L,3.5L
ISCJB Error ellipse: s-maj=21.4km s-min=5.5km az=135.3.
IDC Error ellipse: s-maj=74.9km s-min=26.6km az=59.0.
ISC X 25 15 05 13.4–1.3 32.51N–.03 105.50E–.05 5–9 3.4b 18 2-62
IDC X 25 15 05 11.2–4.8 32.89N 105.89E 0 3.5,3.3 **¶12071080**
BJI X 25 15 05 14.0 32.62N 105.48E 19 3.6s,3.6L
IDC Error ellipse: s-maj=605.8km s-min=28.8km az=50.0.
IDC X 26 10 02 49.7–.90 32.19N 104.83E 0 3.9,3.8L
¶12071151
IDC Error ellipse: s-maj=37.3km s-min=16.8km az=58.0.
ISC X 26 20 27 31.2–.46 31.92N–.04 104.93E–.05 10 3.5b 29 1-62
ISCJB X 26 20 27 30.2–.52 31.90N–.05 104.90E–.07 10 3.5b **¶12071189**
BJI X 26 20 27 31.1 32.12N 104.55E 10 3.5b,3.3L
IDC X 26 20 27 39.5–6.4 31.70N 104.27E 69–63 3.4,3.2b
NEIC X 26 20 27 40.9–2.5 31.69N 104.28E 87–26 4.0b,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=4.9km az=39.1.
IDC Error ellipse: s-maj=61.2km s-min=17.7km az=65.0.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=10.3km az=75.0.
ISC X 27 16 12 49.1–6.5 32.25N–.09 105.2E–.20 10–45 3.6b 15 4-62
IDC X 27 16 12 47.5–1.0 32.25N 105.19E 0 3.8b,3.7 **¶12071247**
NEIC X 27 16 12 48.9–.53 32.26N 105.22E 10 3.8b,3.7
ISCJB X 27 16 12 49.1–4.7 32.23N–.09 105.3E–.20 25–38 3.6b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 27 19 26 38.1–1.6 29.62N 104.84E 0 3.7,3.6b
¶12071267
IDC Error ellipse: s-maj=218.0km s-min=27.1km az=57.0.
ISC X 27 19 28 40.2–3.1 31.4N–.10 104.4E–.10 11–22 3.6b 17 1-69
IDC X 27 19 28 38.3–1.3 31.41N 104.41E 0 3.8,3.7b **¶12071268**
NEIC X 27 19 28 39.9–1.0 31.37N 104.32E 10 4.5b,3.7b
ISCJB X 27 19 28 40.6–2.2 31.4N–.10 104.4E–.10 30–19 3.6b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 27 19 45 22.5–1.4 31.84N 105.28E 0 3.7,3.5
¶12071272
IDC Error ellipse: s-maj=192.4km s-min=24.8km az=56.0.
ISC X 30 03 52 26.6–.39 31.98N–.03 102.03E–.04 10 3.9b,3.4s 42 2-70
BJI X 30 03 52 23.4 31.93N 101.87E 10 4.6b,4.1s **¶12071587**
ISCJB X 30 03 52 24.6–.41 31.97N–.04 102.04E–.04 10 3.9b,3.4s
IDC X 30 03 52 25.1–1.7 32.03N 101.98E 0 4.0,3.9b
NEIC X 30 03 52 26.2–.52 31.97N 102.06E 10 4.3b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=44.1.
IDC Error ellipse: s-maj=35.2km s-min=24.2km az=5.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.6km az=52.0.
ISC X 30 18 17 57.3–.74 30.7N–.10 103.2E–.20 10 3.7b 19 5-62
ISCJB X 30 18 17 55.0–.74 30.6N–.10 103.2E–.20 10 3.7b **¶12071651**
IDC X 30 18 17 55.6–.91 30.66N 103.12E 0 3.8,3.7
NEIC X 30 18 17 57.1–.65 30.80N 103.49E 10 4.2b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=12.5km az=149.0.
IDC Error ellipse: s-maj=41.4km s-min=16.3km az=57.0.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=10.2km az=50.0.
ISC X 31 02 06 11.0–.65 31.82N–.02 104.49E–.03 6–4 4.7b,3.5s 325 1-128
ISCJB X 31 02 06 08.3–.70 31.83N–.02 104.52E–.03 1–4 4.8b,3.5s **¶13398695**
IDC X 31 02 06 10.0–.49 31.82N 104.45E 0 4.7,4.6
BJI X 31 02 06 11.2 31.80N 104.56E 14 4.7b,4.7b
NEIC X 31 02 06 11.4–.24 31.78N 104.42E 10 4.8b,4.7b
MOS X 31 02 06 13.2–.84 31.84N 104.53E 33 4.9b,4.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=3.7km az=156.4.
IDC Error ellipse: s-maj=18.0km s-min=11.4km az=47.0.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=5.0km az=192.0. Felt at Chengdu.
MOS Error ellipse: s-maj=8.9km s-min=4.8km az=118.5.
ISC X 31 15 22 22.3–.67 30.01N–.04 108.22E–.06 10 3.4b 16 4-59
ISCJB X 31 15 22 20.9–.69 30.03N–.04 108.16E–.06 10 3.4b **¶12071745**
BJI X 31 15 22 20.8 29.83N 108.18E 7 3.9b,3.4L
IDC X 31 15 22 21.0–1.2 30.11N 108.47E 0 3.6,3.4b
ISCJB Error ellipse: s-maj=7.4km s-min=6.2km az=10.7.
IDC Error ellipse: s-maj=57.7km s-min=20.7km az=60.0.
BJI X 31 19 16 09.0 32.97N 105.63E 13 3.6L,3.5b
¶12789846
ISC XI 01 05 41 19.0–1.2 28.13N–.09 102.2E–.20 10 3.4b 5 3-62
IDC XI 01 05 41 16.3–3.2 30.29N 105.59E 0 3.9s,3.9 **¶12071826**
ISCJB XI 01 05 41 17.2–1.2 28.12N–.08 102.3E–.20 10 3.4b,3.9
BJI XI 01 05 41 19.1 28.19N 101.81E 14 3.1L,3.9
IDC Error ellipse: s-maj=614.5km s-min=27.8km az=53.0.
ISCJB Error ellipse: s-maj=27.1km s-min=9.3km az=15.7.
ISC XI 01 19 36 22.9–.34 31.73N–.03 104.55E–.04 10 3.8b 49 1-72
ISCJB XI 01 19 36 21.0–.35 31.72N–.03 104.58E–.04 10 3.8b **¶12071894**
IDC XI 01 19 36 21.5–.84 31.75N 104.42E 0 3.9,3.8b
NEIC XI 01 19 36 22.6–.40 31.72N 104.48E 10 3.9b,3.8b
BJI XI 01 19 36 23.2 31.79N 104.33E 10 3.7L,3.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.6km az=16.7.
IDC Error ellipse: s-maj=33.0km s-min=16.5km az=63.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.4km az=52.0.
ISC XI 01 20 36 30.8–.43 32.23N–.04 104.97E–.06 10 3.9b 36 2-97
ISCJB XI 01 20 36 29.0–.45 32.21N–.04 104.99E–.06 10 3.9b **¶12071903**
IDC XI 01 20 36 28.5–.93 32.36N 105.26E 0 3.8,3.7b
NEIC XI 01 20 36 30.8–.66 32.30N 105.01E 10 3.8,3.7b
BJI XI 01 20 36 33.1 32.14N 104.89E 12 3.7L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.0km az=27.6.
IDC Error ellipse: s-maj=55.9km s-min=16.2km az=57.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=11.4km az=54.0.
ISC XI 02 17 01 47.7–.90 31.87N–.02 104.36E–.04 12–6 4.2b,4.0s 140 1-94
IDC XI 02 17 01 45.5–.59 31.89N 104.39E 0 4.3,4.2b **¶13399023**
BJI XI 02 17 01 48.2 31.90N 104.40E 15 4.8b,4.4b
MOS XI 02 17 01 48.5–.79 31.86N 104.40E 33 4.6b,4.4b
NEIC XI 02 17 01 51.4–.81 31.84N 104.28E 41–9 4.3b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=12.8km az=52.0.
MOS Error ellipse: s-maj=9.9km s-min=6.7km az=116.9.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=6.2km az=196.0.
ISC XI 02 18 02 17.2–1.1 31.91N–.06 104.45E–.08 10 3.9b 10 4-62
ISCJB XI 02 18 02 14.7–1.1 31.99N–.06 104.53E–.08 10 3.9b **¶12072011**
IDC XI 02 18 02 15.4–1.3 32.24N 105.06E 0 3.9,3.8b
ISCJB Error ellipse: s-maj=10.0km s-min=8.7km az=6.4.
IDC Error ellipse: s-maj=78.2km s-min=26.3km az=60.0.
ISC XI 03 04 13 43.5–1.1 31.04N–.04 103.36E–.06 9–6 3.5b 34 0-115
IDC XI 03 04 13 41.7–1.0 30.94N 103.23E 0 3.7,3.6 **¶12072069**
NEIC XI 03 04 13 43.3–.82 30.91N 103.05E 10 3.7,3.6
BJI XI 03 04 13 46.0 30.91N 103.53E 14 3.6L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=35.3km s-min=19.2km az=55.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=13.0km az=46.0.
ISC XI 03 17 06 42.5–.40 32.94N–.04 105.38E–.04 10 3.9b 47 2-64
ISCJB XI 03 17 06 40.2–.43 32.91N–.04 105.35E–.06 10 3.9b **¶13399121**
IDC XI 03 17 06 41.0–.88 33.02N 105.29E 0 3.9,3.9
BJI XI 03 17 06 43.9 33.09N 105.23E 17 3.8s,3.7L
NEIC XI 03 17 06 43.3–.48 33.03N 105.18E 10 4.3b,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.4km az=168.0.
IDC Error ellipse: s-maj=48.4km s-min=15.7km az=58.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=7.9km az=66.0.
ISC XI 04 12 43 13.1–.82 32.09N–.02 104.48E–.03 4–5 4.8b,3.8s 400 1-148
IDC XI 04 12 43 11.4–.42 32.13N 104.60E 0 4.6b,4.6 **¶11392441**
ISCJB XI 04 12 43 12.0–.94 32.08N–.02 104.51E–.03 10–6 4.8b,3.8s
NEIC XI 04 12 43 13.7–.18 32.06N 104.48E 10 4.9b,4.1s
MOS XI 04 12 43 14.9–.94 32.05N 104.58E 33 5.0b,4.1s
BJI XI 04 12 43 15.3 32.12N 104.61E 27 4.7L,4.7b
DJA XI 04 12 43 23 32.16N 104.87E 97 4.9b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=10.3km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=35.1.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=4.1km az=213.0.
MOS Error ellipse: s-maj=7.9km s-min=4.4km az=119.6.
ISC XI 04 13 15 34.8–.35 32.14N–.03 104.48E–.05 10 4.2b 88 1-73
ISCJB XI 04 13 15 32.7–.38 32.11N–.03 104.53E–.06 10 4.2b **¶13399206**
IDC XI 04 13 15 32.7–.76 32.07N 104.47E 0 4.1b,4.1
NEIC XI 04 13 15 34.8–.36 32.09N 104.45E 10 4.1b,4.1
MOS XI 04 13 15 35.6–.66 32.06N 104.52E 33 4.4b,4.1
BJI XI 04 13 15 35.7 32.18N 104.46E 11 4.9b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.4km az=3.7.
IDC Error ellipse: s-maj=27.6km s-min=15.8km az=58.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.6km az=49.0.
MOS Error ellipse: s-maj=15.1km s-min=11.1km az=109.7.
ISC XI 05 04 44 08.3–.78 32.20N–.03 104.78E–.05 5–5 3.8b 44 2-69
IDC XI 05 04 44 07.5–.83 32.25N 104.85E 0 4.0,3.8b **¶12072331**
NEIC XI 05 04 44 09.0–.47 32.09N 104.61E 10 3.7b,3.8b

BJI XI 05 04 44 11.8 32.19N 104.70E 18 3.6L,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=54.6km s-min=16.3km az=55.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=7.6km az=49.0.
ISC XI 06 15 01 43.3–.73 30.94N–.03 103.53E–.04 11–5 3.9b,3.4s 80 0-70
IDC XI 06 15 01 41.6–.78 30.84N 103.70E 0 3.9,3.9L **¶12072542**
ISCJB XI 06 15 01 42.7–.58 30.92N–.04 103.56E–.04 24–5 3.9b,3.4s
NEIC XI 06 15 01 42.9–4.9 30.91N 103.53E 10–34 4.3b,3.4s
MOS XI 06 15 01 43.9–1.3 30.86N 103.55E 33 4.1b,3.4s
BJI XI 06 15 01 43.7 30.84N 103.77E 16 4.8b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=15.6km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.3km az=149.2.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=9.6km az=162.0.
MOS Error ellipse: s-maj=13.0km s-min=9.3km az=92.3.
ISC XI 12 05 13 49.4–1.1 32.06N–.05 105.19E–.06 8–9 3.4b 16 2-62
IDC XI 12 05 13 48.0–1.1 31.98N 104.97E 0 3.7,3.6b **¶12073268**
BJI XI 12 05 13 49.5 32.31N 105.10E 17 3.5s,3.2
IDC Error ellipse: s-maj=90.4km s-min=19.1km az=58.0.
ISC XI 14 03 04 47.9–.79 32.42N–.03 105.29E–.04 6–6 4.2s,3.5b 36 2-61
IDC XI 14 03 04 46.9–1.3 32.02N 104.60E 0 4.1,4.1s **¶12073482**
NEIC XI 14 03 04 48.9–.79 32.11N 104.79E 10 3.7b,4.1s
BJI XI 14 03 04 49.9 32.39N 105.28E 22 4.6b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=21.0km az=46.0.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=11.3km az=221.0.
ISC XI 14 03 27 07.7–.95 31.90N–.02 102.98E–.03 6–6 4.5b,4.2s 205 1-148
IDC XI 14 03 27 05.0–.65 31.74N 103.04E 0 4.3,4.2 **¶13400114**
ISCJB XI 14 03 27 05.8–.93 31.91N–.03 103.02E–.03 7–6 4.5b,4.2s
MOS XI 14 03 27 07.9–1.4 31.80N 103.15E 27 4.7b,4.1s
BJI XI 14 03 27 07.0 31.96N 103.14E 10 4.8s,4.8b
NEIC XI 14 03 27 09.0–.35 32.04N 102.97E 10 4.7b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=13.5km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.1km az=30.6.
MOS Error ellipse: s-maj=9.4km s-min=6.1km az=106.4.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.4km az=24.0.
ISC XI 14 06 33 36.1–1.2 32.79N–.02 105.52E–.02 15–7 4.6b,3.8s 227 2-147
BJI XI 14 06 33 33.6 32.78N 105.59E 10 4.7b,4.7b **¶13400128**
IDC XI 14 06 33 33.1–.57 32.76N 105.56E 0 4.6,4.5
ISCJB XI 14 06 33 35.5–.88 32.77N–.02 105.57E–.03 27–6 4.6b,3.8s
MOS XI 14 06 33 35.5–.84 32.75N 105.58E 28 4.8b,3.8s
NEIC XI 14 06 33 35.3–.23 32.80N 105.50E 10 4.7b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=12.6km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.7km az=177.4.
MOS Error ellipse: s-maj=8.9km s-min=5.7km az=108.4.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.3km az=208.0.
ISC XI 15 05 27 11.5–1.8 31.52N–.05 104.11E–.06 2–11 3.7b 31 5-69
IDC XI 15 05 27 10.9–.96 31.54N 104.11E 0 3.7,3.6b **¶12073594**
NEIC XI 15 05 27 12.9–.63 31.55N 104.08E 10 4.3b,3.6b
BJI XI 15 05 27 13.2 31.47N 104.13E 17 3.4L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=17.2km az=55.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=9.4km az=49.0.
ISC XI 15 12 54 56.6–.68 32.72N–.04 105.47E–.06 10 3.4b 11 2-62
IDC XI 15 12 54 53.7–6.9 34.39N 108.14E 0 3.6,3.4b **¶12073628**
ISCJB XI 15 12 54 54.1–.71 32.75N–.04 105.40E–.06 10 3.4b,3.4b
BJI XI 15 12 54 59.9 32.61N 105.55E 15 3.4b,3.2L
IDC Error ellipse: s-maj=623.6km s-min=27.3km az=49.0.
ISCJB Error ellipse: s-maj=8.0km s-min=5.5km az=25.8.
ISC XI 15 22 59 49.9–.69 32.13N–.02 104.75E–.02 6–4 4.7b,4.4s 369 1-139
ISCJB XI 15 22 59 47.3–.69 32.15N–.02 104.77E–.02 1–4 4.8b,4.4s **¶11453218**
IDC XI 15 22 59 48.4–.43 32.10N 104.70E 0 4.6,4.6
BJI XI 15 22 59 49.0 32.15N 104.81E 11 5.0s,5.0L
NEIC XI 15 22 59 50.5–.15 32.14N 104.75E 10 4.8b,5.0L
MOS XI 15 22 59 51.1–.87 32.09N 104.81E 30 5.0b,4.1s
GCMT XI 15 22 59 52.2–.30 32.14N 104.74E 29–1 5.0W,4.1s
DJA XI 15 22 59 59 32.27N 104.78E 81 4.8b,4.1s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.0km az=173.6.
IDC Error ellipse: s-maj=11.6km s-min=9.6km az=34.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=57.0. Felt at Chengdu.
MOS Error ellipse: s-maj=7.3km s-min=4.6km az=110.7.
GCMT Event type se. Data Used: IU II G IC. Moment Tensor Solution. s16,c17; s57,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}1.18±.20 $M_{\theta\theta}$-2.13±.15; $M_{\phi\phi}$0.95±.14; $M_{r\theta}$-0.11±.20; $M_{\theta\phi}$3.09±.11; $M_{\phi r}$0.34±.20; Best double couple: NP1:ϕ_s77.00000°,δ83.00000°,λ3.00000°. NP2:ϕ_s346.00000°,δ87.00000°,λ172.00000°. Principal axes: T 2.9000,Plg8.0000° ,Azm301.0000°; N 1.1600,Plg82.0000°,Azm143.0000°; P -4.0600,Plg3.0000°,Azm32.0000° M_o3.50000×10^{16}
BJI XI 17 13 47 15.8 32.18N 104.46E 26 3.5L
¶12789992
IDC XI 18 22 11 56.6–1.1 28.30N 105.12E 0 3.7,3.7b
¶12074058
IDC Error ellipse: s-maj=47.6km s-min=19.3km az=65.0.
ISC XI 18 23 07 23.8–.82 31.70N–.02 104.25E–.04 4–5 4.3b,3.6s 96 1-146
ISCJB XI 18 23 07 22.1–.94 31.72N–.03 104.27E–.04 7–6 4.3b,3.6s **¶11528374**
IDC XI 18 23 07 23.0–.55 31.68N 104.30E 0 4.4,4.2
BJI XI 18 23 07 25.1 31.65N 104.53E 12 4.5b,4.2b
NEIC XI 18 23 07 27.6–1.8 31.68N 104.27E 31–14 3.7b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.4km az=174.8.
IDC Error ellipse: s-maj=24.4km s-min=12.0km az=58.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.2km az=63.0.
ISC XI 21 08 32 17.3–.98 32.40N–.03 105.32E–.05 1–8 4.0s,3.7b 21 2-80
IDC XI 21 08 32 16.4–1.2 32.37N 105.41E 0 4.0s,3.9 **¶12074381**
BJI XI 21 08 32 17.7 32.43N 105.47E 14 3.6s,3.6L
IDC Error ellipse: s-maj=96.5km s-min=20.5km az=56.0.
ISC XI 21 08 49 34.8–.99 32.28N–.04 104.92E–.07 3–9 3.6b 14 2-62
IDC XI 21 08 49 34.9–1.4 32.42N 105.61E 0 3.8L,3.7 **¶12074382**
BJI XI 21 08 49 35.9 32.27N 105.11E 14 3.4s,3.4L
IDC Error ellipse: s-maj=72.8km s-min=26.5km az=70.0.
ISC XI 22 03 25 29.4–1.8 31.32N–.08 103.7E–.20 6–11 3.5b 9 0-62
IDC XI 22 03 25 30.7–8.4 31.34N 104.90E 0 3.6,3.5b **¶12074467**
IDC Error ellipse: s-maj=438.6km s-min=42.1km az=81.0.
ISC XI 22 17 06 49.3–.94 27.00N–.10 101.5E–.20 10 3.1b 6 2-59
ISCJB XI 22 17 06 46.7–.94 26.9N–.10 101.7E–.30 10 3.1b **¶12074523**
IDC XI 22 17 06 47.1–1.3 26.95N 101.60E 0 3.2,3.1b
ISCJB Error ellipse: s-maj=33.7km s-min=15.1km az=176.9.
IDC Error ellipse: s-maj=47.1km s-min=21.5km az=77.0.
ISC XI 23 10 19 02.8–.18 31.17N–.02 103.67E–.03 10 4.6b,4.1s 222 0-149
ISCJB XI 23 10 19 00.6–.18 31.14N–.02 103.69E–.03 10 4.6b,4.1s **¶13400930**
IDC XI 23 10 19 01.1–.52 31.27N 104.02E 0 4.6,4.5
BJI XI 23 10 19 01.4 31.21N 103.77E 10 4.9L,4.7s
NEIC XI 23 10 19 03.1–.27 31.18N 103.83E 10 4.8b,4.7s
DJA XI 23 10 19 03 31.09N 104.08E 10 5.3b,4.7s
MOS XI 23 10 19 04.1–1.1 31.14N 103.86E 33 4.8b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.9km az=165.6.
IDC Error ellipse: s-maj=19.3km s-min=11.2km az=55.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.8km az=74.0.
MOS Error ellipse: s-maj=8.8km s-min=5.7km az=96.9.
BJI XI 23 10 22 12.4 31.20N 103.65E 11 4.1L
¶12790036
ISC XI 24 11 28 46.0–1.4 31.57N–.05 104.10E–.09 11–11 3.4b 28 1-62
IDC XI 24 11 28 44.2–.99 31.65N 104.16E 0 3.6,3.5L **¶12074674**
ISCJB XI 24 11 28 46.2–.95 31.56N–.04 104.16E–.09 30–9 3.4b,3.5L
BJI XI 24 11 28 46.6 31.54N 104.10E 21 4.1b,4.0s
NEIC XI 24 11 28 46.2–.63 31.67N 104.13E 10 4.1b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=18.0km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=6.0km az=11.7.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.6km az=64.0.
ISC XI 25 10 25 18.8–.92 32.38N–.03 105.48E–.04 0–7 3.9b 28 2-62
IDC XI 25 10 25 18.8–1.1 32.36N 105.47E 0 3.9,3.8b **¶12074773**
BJI XI 25 10 25 19.7 32.49N 105.37E 12 3.8s,3.8b
NEIC XI 25 10 25 20.2–.76 32.32N 105.49E 10 3.8s,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=20.4km az=54.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=9.1km az=46.0.
ISC XI 25 11 22 58.1–.64 31.19N–.03 103.80E–.05 25–5 3.9b,2.7s 54 0-82
IDC XI 25 11 22 53.3–.84 31.36N 103.75E 0 4.1,4.0 **¶12074776**
BJI XI 25 11 22 54.3 31.23N 103.91E 7 4.6b,4.5b
NEIC XI 25 11 22 55.2–.50 31.29N 103.72E 10 4.0b,4.5b
ISCJB XI 25 11 22 56.7–.59 31.19N–.04 103.84E–.05 33–7 3.9b,2.7s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 25 17 20 32.9–.88 31.29N–.03 103.58E–.04 7–6 3.7b 39 0-62
IDC XI 25 17 20 29.9–1.2 31.20N 103.24E 0 3.5b,3.5 **¶12074797**
BJI XI 25 17 20 32.6 31.27N 103.55E 13 3.7s,3.6
NEIC XI 25 17 20 36.0–1.4 31.31N 103.50E 39–15 4.2b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=43.3km s-min=20.8km az=60.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.1km az=206.0.
ISC XI 27 07 10 43.8–1.0 32.67N–.04 105.85E–.05 7–8 3.6b,2.9s 19 2-62
IDC XI 27 07 10 41.4–3.1 33.29N 106.54E 0 3.8,3.6 **¶12075008**
BJI XI 27 07 10 45.2 32.71N 105.76E 29 4.6b,4.0b
IDC Error ellipse: s-maj=418.5km s-min=22.0km az=52.0.
ISC XI 27 14 36 31.9–.21 32.69N–.02 105.52E–.03 10 4.5b,3.5s 150 2-80
ISCJB XI 27 14 36 29.8–.22 32.66N–.02 105.56E–.03 10 4.5b,3.5s **¶11482882**
IDC XI 27 14 36 30.1–.59 32.72N 105.43E 0 4.4,4.3b
BJI XI 27 14 36 30.4 32.75N 105.64E 9 4.8b,4.5b
NEIC XI 27 14 36 31.2–3.2 32.72N 105.38E 7–20 4.4b,4.5b
MOS XI 27 14 36 33.1–1.1 32.70N 105.48E 33 4.8b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.3km az=10.4.
IDC Error ellipse: s-maj=20.1km s-min=12.4km az=53.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.0km az=53.0.
MOS Error ellipse: s-maj=11.7km s-min=7.3km az=108.6.
ISC XI 30 09 55 41.0–.76 31.30N–.03 103.76E–.08 13–5 4.0b 27 0-70
IDC XI 30 09 55 38.4–.84 31.28N 103.78E 0 4.0,3.9b **¶12075323**
ISCJB XI 30 09 55 40.8–.81 31.28N–.04 103.69E–.08 28–6 4.0b,3.9b
BJI XI 30 09 55 41.8 31.25N 103.84E 21 3.9b,3.8L
IDC Error ellipse: s-maj=36.0km s-min=15.9km az=54.0.
ISCJB Error ellipse: s-maj=11.1km s-min=6.3km az=178.7.
ISC XI 30 17 04 40.3–1.4 32.56N–.05 105.29E–.08 2–13 3.3b 12 2-62
IDC XI 30 17 04 40.9–3.2 32.38N 105.67E 0 3.4,3.2b **¶12075350**
BJI XI 30 17 04 40.7 32.61N 105.22E 8 3.6s,3.4
IDC Error ellipse: s-maj=416.9km s-min=27.4km az=51.0.
ISC XII 04 13 57 40.3–1.1 31.21N–.03 103.42E–.03 1–7 4.3b,3.7s 122 0-82
BJI XII 04 13 57 40.8 31.29N 103.58E 9 5.0b,4.5s **¶11527575**
IDC XII 04 13 57 40.1–.69 31.23N 103.52E 0 4.2,4.1b
MOS XII 04 13 57 41.2–.96 31.19N 103.48E 21 4.5b,4.1b
NEIC XII 04 13 57 41.5–.36 31.19N 103.35E 10 4.8b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=14.3km az=58.0.
MOS Error ellipse: s-maj=10.3km s-min=7.5km az=105.7.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.9km az=169.0.
ISC XII 04 16 08 19.8–.89 32.47N–.05 105.26E–.06 4–9 3.8b 12 2-62
ISCJB XII 04 16 08 16.9–.88 32.53N–.04 105.27E–.06 5–8 3.8b **¶12075753**
IDC XII 04 16 08 16.8–2.9 32.64N 104.83E 0 3.6b,3.6
BJI XII 04 16 08 22.9 32.36N 105.16E 7 3.3L,3.6
ISCJB Error ellipse: s-maj=10.0km s-min=6.0km az=34.5.
IDC Error ellipse: s-maj=96.6km s-min=42.5km az=92.0.
ISC XII 05 17 19 02.8–.56 32.28N–.06 105.2E–.10 10 3.7b 34 4-80
ISCJB XII 05 17 19 00.5–.58 32.22N–.07 105.2E–.20 10 3.7b **¶12075905**
IDC XII 05 17 19 00.8–.83 32.30N 105.23E 0 3.8,3.7b
NEIC XII 05 17 19 02.8–.49 32.30N 105.21E 10 3.8b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=8.3km az=162.2.
IDC Error ellipse: s-maj=42.0km s-min=15.9km az=57.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.2km az=78.0.
ISC XII 06 14 51 29.6–.96 32.78N–.07 105.54E–.07 10 3.2b 9 3-62
ISCJB XII 06 14 51 26.6–1.0 32.83N–.07 105.60E–.07 10 3.2b **¶12076036**
IDC XII 06 14 51 27.9–1.4 32.70N 105.73E 0 3.4,3.2b
BJI XII 06 14 51 30.6 32.71N 105.39E 15 3.0L,3.2b
ISCJB Error ellipse: s-maj=10.2km s-min=7.5km az=31.4.
IDC Error ellipse: s-maj=195.8km s-min=22.6km az=56.0.
ISC XII 06 20 26 03.6–.88 31.19N–.02 103.55E–.03 6–6 4.2b,3.4s 133 0-82
IDC XII 06 20 26 02.9–.70 31.14N 103.74E 0 4.1,4.0 **¶11527602**
BJI XII 06 20 26 03.6 31.19N 103.70E 10 4.8b,4.2L
MOS XII 06 20 26 05.4–.98 31.10N 103.57E 33 4.4b,4.2L
NEIC XII 06 20 26 07.9–.89 31.11N 103.44E 38–9 4.4b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=14.4km az=59.0.
MOS Error ellipse: s-maj=12.0km s-min=7.2km az=92.2.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.2km az=75.0.
ISC XII 07 03 02 21.9–.20 31.67N–.02 104.40E–.03 10 4.4b,3.7s 211 1-94
ISCJB XII 07 03 02 19.7–.20 31.64N–.02 104.46E–.03 10 4.4b,3.7s **¶13402126**
BJI XII 07 03 02 20.9 31.65N 104.60E 12 4.7b,4.5s
IDC XII 07 03 02 20.2–.54 31.71N 104.49E 0 4.3,4.2
NEIC XII 07 03 02 21.7–.28 31.62N 104.37E 10 4.6b,4.2
MOS XII 07 03 02 22.2–.84 31.67N 104.44E 25 4.8b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=3.1km az=2.9.
IDC Error ellipse: s-maj=23.7km s-min=11.1km az=58.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=5.4km az=123.0.
MOS Error ellipse: s-maj=9.5km s-min=5.6km az=109.6.
ISC XII 07 14 10 42.2–.93 31.83N–.03 104.17E–.08 2–7 3.5b 29 1-67
ISCJB XII 07 14 10 39.8–1.1 31.87N–.03 104.2E–.10 1–8 3.6b **¶12076207**
IDC XII 07 14 10 42.1–.91 31.91N 104.19E 0 3.5L,3.5
NEIC XII 07 14 10 43.3–.48 31.92N 104.19E 10 4.5b,3.5
BJI XII 07 14 10 46.1 31.76N 103.86E 14 3.3L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=5.3km az=3.0.
IDC Error ellipse: s-maj=35.1km s-min=17.4km az=55.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.9km az=69.0.
ISC XII 09 18 53 09.1–.73 32.53N–.02 105.39E–.02 9–4 5.4b,4.5s 957 2-175
BJI XII 09 18 53 07.4 32.52N 105.48E 10 5.2L,5.2b **¶13402354**
ISCJB XII 09 18 53 07.6–.09 32.50N–.01 105.35E–.02 10 5.4b,4.5s
IDC XII 09 18 53 07.6–.32 32.58N 105.46E 0 5.3,5.2
MOS XII 09 18 53 09.0–.78 32.49N 105.45E 24 5.6b,4.4s
GCMT XII 09 18 53 10.4–.30 32.66N 105.65E 16–1 5.1W,4.4s
NEIC XII 09 18 53 11.1–1.1 32.52N 105.40E 24–7 5.5b,4.5s
SZGRF XII 09 18 53 11.3 32.17N 105.58E 33 5.5b,4.3s
DJA XII 09 18 53 15 32.48N 105.13E 54 5.6b,4.3s
ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=2.3km s-min=2.1km az=163.3.
IDC Error ellipse: s-maj=12.3km s-min=7.9km az=49.0.
MOS Error ellipse: s-maj=6.2km s-min=3.4km az=118.5.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s12,c14; s62,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}3.44±.35 $M_{\theta\theta}$-1.85±.21; $M_{\phi\phi}$-1.59±.22; $M_{r\theta}$-4.21±.81; $M_{\theta\phi}$-2.47±.13; $M_{\phi r}$2.24±.74; Best double couple: NP1:ϕ_s24.00000°,δ38.00000°,λ34.00000°. NP2:ϕ_s266.00000°,δ70.00000°,λ123.00000°. Principal axes: T 6.9500,Plg53.0000° ,Azm216.0000°; N -2.2300,Plg30.0000°,Azm74.0000°; P -4.7100,Plg18.0000° ,Azm332.0000° M_o5.80000×10^{16}
NEIC Event type de. Error ellipse: s-maj=3.3km s-min=2.6km az=46.0. At least two people killed at Guangyuan and three injured in Lizhou. Felt [II] at Chengdu. Also felt at Ziyang.
SZGRF Sichuan, China.
BJI XII 12 09 33 31.3 31.47N 104.22E 19 3.5L
¶12790182

ISC XII 13 06 13 44.5–.33 27.04N–.03 102.68E–.03 10 3.9b 83 2-70
ISCJB XII 13 06 13 42.7–.34 27.03N–.04 102.67E–.04 10 3.9b **¶12077244**
IDC XII 13 06 13 43.5–.85 27.05N 102.64E 0 4.0,3.9
NEIC XII 13 06 13 44.9–.31 26.98N 102.57E 10 4.6b,3.9
BJI XII 13 06 13 45.3 27.04N 102.74E 15 4.2b,4.1b
MOS XII 13 06 13 46.5–.80 27.17N 102.73E 33 4.1b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.5km az=28.9.
IDC Error ellipse: s-maj=57.8km s-min=16.1km az=58.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.7km az=46.0.
MOS Error ellipse: s-maj=19.5km s-min=9.2km az=108.0.
ISC XII 13 15 55 59.3–.82 32.50N–.03 105.15E–.05 2–5 3.7b 45 2-80
ISCJB XII 13 15 55 57.0–.84 32.48N–.03 105.24E–.05 2–6 3.7b **¶12077311**
IDC XII 13 15 55 58.7–.77 32.32N 104.95E 0 3.9,3.8b
NEIC XII 13 15 56 00.2–.53 32.24N 104.83E 10 3.9,3.8b
BJI XII 13 15 56 01.8 32.47N 105.20E 12 3.6L,3.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.2km az=27.7.
IDC Error ellipse: s-maj=48.8km s-min=15.1km az=56.0.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=9.2km az=62.0.
ISC XII 14 02 32 46.5–1.4 30.87N–.05 103.41E–.09 18–7 3.2b 16 0-82
IDC XII 14 02 32 43.0–1.3 30.56N 102.82E 0 3.5,3.4 **¶12077378**
ISCJB XII 14 02 32 44.3–2.5 30.74N–.09 103.3E–.10 17–18 3.2b,3.4
BJI XII 14 02 32 45.2 30.77N 103.49E 17 3.3L,3.4
IDC Error ellipse: s-maj=75.0km s-min=21.3km az=64.0.
ISCJB Error ellipse: s-maj=21.0km s-min=9.7km az=145.1.
ISC XII 14 03 53 58.2–.55 32.39N–.04 104.90E–.06 10 3.6b 16 2-62
ISCJB XII 14 03 53 55.4–.61 32.37N–.06 105.00E–.07 10 3.6b **¶12077389**
IDC XII 14 03 53 56.0–1.1 32.83N 106.01E 0 3.7,3.6b
BJI XII 14 03 53 59.1 32.19N 105.13E 20 3.1L,3.6b
ISCJB Error ellipse: s-maj=10.9km s-min=5.2km az=41.8.
IDC Error ellipse: s-maj=158.5km s-min=19.1km az=56.0.
ISC XII 15 07 25 07.6–.92 31.33N–.03 103.72E–.06 2–6 3.9b 35 0-82
IDC XII 15 07 25 06.2–.93 31.10N 103.61E 0 4.0,3.9 **¶12077550**
BJI XII 15 07 25 07.0 31.21N 103.74E 9 4.3b,3.9s
NEIC XII 15 07 25 08.0–.81 31.28N 103.76E 10 4.3b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=16.5km az=55.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=12.1km az=65.0.
ISC XII 15 08 25 16.3–.50 30.60N–.04 103.34E–.06 10 3.6b 32 0-82
ISCJB XII 15 08 25 14.3–.51 30.54N–.05 103.40E–.08 10 3.6b **¶12077563**
IDC XII 15 08 25 14.3–.89 30.55N 103.33E 0 3.8,3.7L
NEIC XII 15 08 25 16.1–.46 30.57N 103.31E 10 4.4b,3.7L
BJI XII 15 08 25 17.4 30.50N 103.50E 12 3.4L,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.4km az=153.6.
IDC Error ellipse: s-maj=31.9km s-min=16.9km az=64.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.5km az=75.0.
ISC XII 15 15 50 16.9–.82 31.55N–.03 104.24E–.05 0–6 3.3b 25 1-62
ISCJB XII 15 15 50 14.3–.88 31.61N–.04 104.34E–.06 1–7 3.3b **¶12077624**
IDC XII 15 15 50 15.7–1.1 32.02N 104.97E 0 4.0L,3.6
NEIC XII 15 15 50 17.3–.63 32.02N 104.94E 10 4.0L,3.6
BJI XII 15 15 50 19.8 31.57N 104.07E 14 3.3L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.5km az=26.3.
IDC Error ellipse: s-maj=71.5km s-min=19.3km az=59.0.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=10.0km az=68.0.
ISC XII 16 11 31 28.6–.77 31.78N–.04 104.44E–.06 14–6 3.5b 32 1-81
ISCJB XII 16 11 31 25.9–.79 31.82N–.04 104.49E–.07 9–6 3.5b **¶12077749**
IDC XII 16 11 31 26.6–.98 31.85N 104.39E 0 3.7,3.6b
NEIC XII 16 11 31 28.4–.43 31.85N 104.36E 10 3.9b,3.6b
BJI XII 16 11 31 29.5 31.85N 104.28E 10 3.4L,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.1km az=22.5.
IDC Error ellipse: s-maj=49.0km s-min=18.5km az=63.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=7.5km az=73.0.
ISC XII 17 06 48 31.9–.79 32.32N–.02 105.07E–.04 5–5 4.0b 95 2-94
ISCJB XII 17 06 48 30.3–.97 32.30N–.03 105.14E–.05 9–6 4.0b **¶12077875**
IDC XII 17 06 48 30.6–.58 32.30N 105.10E 0 4.1,4.0L
BJI XII 17 06 48 32.4 32.23N 105.24E 11 4.4b,3.8L
NEIC XII 17 06 48 32.5–.33 32.28N 105.04E 10 4.3b,3.8L
MOS XII 17 06 48 33.6–.73 32.24N 105.08E 33 4.6b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=28.7.
IDC Error ellipse: s-maj=23.8km s-min=12.4km az=56.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.1km az=67.0.
MOS Error ellipse: s-maj=15.9km s-min=8.2km az=99.2.
ISC XII 20 15 07 46.7–.62 31.15N–.07 103.95E–.08 10 3.2b 18 0-62
ISCJB XII 20 15 07 44.9–.63 31.18N–.08 104.00E–.08 10 3.2b **¶12078341**
BJI XII 20 15 07 45.8 31.23N 103.74E 13 3.4L,3.0s
IDC XII 20 15 07 45.4–1.2 31.17N 103.91E 0 3.5,3.3b
NEIC XII 20 15 07 48.4–.89 31.19N 103.97E 20 3.5,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=5.7km az=137.0.
IDC Error ellipse: s-maj=46.4km s-min=21.7km az=50.0.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=13.2km az=213.0.
ISC XII 22 23 08 58.5–1.1 31.62N–.06 104.33E–.04 15–8 3.7b 36 1-81
IDC XII 22 23 08 56.2–1.0 31.67N 104.34E 0 3.8,3.7b **¶12078603**
NEIC XII 22 23 08 57.9–.40 31.64N 104.30E 10 4.0b,3.7b
BJI XII 22 23 08 58.3 31.55N 104.38E 13 3.5L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=18.6km az=59.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.1km az=212.0.
ISC XII 23 00 33 18.8–.28 31.27N–.03 103.20E–.03 10 4.0b 84 1-82
ISCJB XII 23 00 33 16.6–.29 31.24N–.03 103.24E–.04 10 4.0b **¶12078611**
IDC XII 23 00 33 16.6–.66 31.24N 103.10E 0 4.1,4.0
NEIC XII 23 00 33 18.4–.29 31.27N 103.22E 10 4.6b,4.0
BJI XII 23 00 33 19.2 31.27N 103.39E 14 4.3s,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.5km az=160.3.
IDC Error ellipse: s-maj=22.8km s-min=13.6km az=52.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=167.0.
ISC XII 23 01 26 15.6–.99 28.0N–.20 100.3E–.30 10 3.5b 8 4-61
ISCJB XII 23 01 26 13.6–1.0 28.1N–.20 100.5E–.30 10 3.5b **¶12078617**
IDC XII 23 01 26 14.0–1.3 28.00N 100.31E 0 3.6,3.4
BJI XII 23 01 26 15.5 28.18N 100.37E 13 3.1L,3.4
ISCJB Error ellipse: s-maj=47.5km s-min=7.5km az=149.3.
IDC Error ellipse: s-maj=77.4km s-min=21.1km az=62.0.
ISC XII 23 06 17 39.2–.34 31.47N–.03 104.17E–.05 10 4.1b 57 1-148
ISCJB XII 23 06 17 37.1–.34 31.49N–.04 104.22E–.05 10 4.1b **¶13403729**
IDC XII 23 06 17 37.2–.63 31.50N 104.17E 0 4.3,4.1
NEIC XII 23 06 17 39.2–.42 31.44N 104.02E 10 4.1b,4.1
BJI XII 23 06 17 39.8 31.46N 104.19E 11 4.0b,3.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.0km az=38.5.
IDC Error ellipse: s-maj=26.0km s-min=13.6km az=58.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.9km az=59.0.
ISC XII 23 22 53 19.3–1.1 32.71N–.04 105.16E–.04 0–8 3.6b 32 2-80
IDC XII 23 22 53 18.6–1.2 32.72N 105.23E 0 3.8,3.7b **¶12078744**
BJI XII 23 22 53 20.3 32.82N 105.12E 13 3.4L,3.7b
NEIC XII 23 22 53 20.4–.48 32.80N 105.21E 10 3.7b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=45.7km s-min=22.7km az=57.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.8km az=54.0.
IDC XII 24 21 08 10.3–1.7 29.93N 102.73E 0 3.4,3.2b
BJI XII 24 21 08 12.0 30.06N 102.76E 19 3.0L,3.2b **¶12078854**
IDC Error ellipse: s-maj=82.5km s-min=27.3km az=62.0.
ISC XII 25 22 36 10.6–.85 32.48N–.03 105.25E–.05 5–7 3.5b 21 2-62
ISCJB XII 25 22 36 07.5–.88 32.50N–.04 105.31E–.05 1–7 3.6b **¶12078971**
IDC XII 25 22 36 10.0–1.2 32.30N 105.34E 0 3.5,3.4
NEIC XII 25 22 36 11.8–.76 31.76N 104.39E 10 4.2b,3.4
BJI XII 25 22 36 12.5 32.47N 105.22E 13 3.1L,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.7km az=26.1.
IDC Error ellipse: s-maj=190.9km s-min=21.3km az=56.0.
NEIC Event type se. Error ellipse: s-maj=36.0km s-min=12.3km az=224.0.
ISC XII 26 16 58 41.9–1.0 30.19N–.06 108.4E–.30 10 3.4b 8 4-59
IDC XII 26 16 58 40.1–1.3 30.09N 108.20E 0 3.6,3.5b **¶12079071**
BJI XII 26 16 58 41.9 30.14N 108.17E 10 2.8L,3.5b
IDC Error ellipse: s-maj=101.6km s-min=24.2km az=61.0.
ISC XII 26 17 24 00.9–.71 31.25N–.03 103.51E–.04 17–5 3.7b 53 0-82
IDC XII 26 17 23 58.4–.89 31.25N 103.64E 0 3.9,3.7b **¶12079076**
NEIC XII 26 17 23 59.6–.54 31.20N 103.45E 10 4.3b,3.7b
ISCJB XII 26 17 24 00.7–.77 31.19N–.05 103.48E–.05 31–7 3.7b,3.7b
BJI XII 26 17 24 00.2 31.26N 103.62E 15 3.6L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=16.7km az=61.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.3km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.2km az=151.8.
BJI XII 27 21 17 58.1 31.54N 104.33E 7 3.2L
¶12790300
BJI XII 29 06 15 27.9 32.34N 104.98E 12 3.6L
¶12790314
ISC XII 29 06 18 21.9–.70 32.30N–.02 105.15E–.02 4–4 4.9b,3.9s 404 2-174
ISCJB XII 29 06 18 20.6–.77 32.27N–.02 105.17E–.02 9–5 4.9b,3.9s **¶11522240**
IDC XII 29 06 18 20.9–.48 32.29N 105.12E 0 4.8,4.8
BJI XII 29 06 18 21.5 32.31N 105.21E 10 4.9L,4.9b
NEIC XII 29 06 18 22.6–.15 32.28N 105.10E 10 5.0b,4.9b
MOS XII 29 06 18 24.1–.89 32.27N 105.18E 33 5.2b,4.9b
DJA XII 29 06 18 25 32.24N 105.44E 10 5.0b,4.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=3.2km az=163.5.
IDC Error ellipse: s-maj=15.8km s-min=11.1km az=42.0.
NEIC Event type fe. Error ellipse: s-maj=3.9km s-min=3.2km az=181.0. Felt [III] at Chengdu and Mianyang and [II] at Chongqing. Also felt at Heyang.
MOS Error ellipse: s-maj=6.9km s-min=4.4km az=115.8.
ISC XII 29 19 52 44.4–2.4 31.80N–.06 104.17E–.07 17–15 3.8b 50 4-81
IDC XII 29 19 52 41.4–.84 31.73N 104.14E 0 3.8,3.7b **¶12079442**
NEIC XII 29 19 52 43.2–.49 31.75N 104.14E 10 4.0b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=16.4km az=58.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.3km az=159.0.

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ISC VII 05 11 59 40.6–.97 25.77N–.03 74.65E–.05 17–6 47 1-12
NDI VII 05 11 59 37.1–4.0 25.76N 74.23E 10–13 3.6L **¶11226997**
NDI Error ellipse: s-maj=9.0km s-min=11.1km az=-1.0.
ISC VIII 15 19 36 59.6–.68 31.41N–.03 77.61E–.04 21–6 3.3b 29 0-52
ISCJB VIII 15 19 36 59.1–.54 31.42N–.04 77.58E–.04 38–9 3.3b **¶12581111**
NDI VIII 15 19 36 59.4–3.1 31.38N 77.61E 12–12 2.9L
IDC VIII 15 19 37 00.3–12 31.85N 76.75E 0 3.3b,3.3
ISCJB Error ellipse: s-maj=6.1km s-min=5.9km az=11.0.
NDI Error ellipse: s-maj=14.6km s-min=7.6km az=-1.0.
IDC Error ellipse: s-maj=212.6km s-min=62.9km az=142.0.
ISC VIII 16 19 16 14.2–.75 30.07N–.03 77.77E–.03 26–6 3.7b 68 0-79
NDI VIII 16 19 16 12.4–4.1 30.04N 77.63E 8–14 3.2L **¶11377617**
NEIC VIII 16 19 16 12.3–.74 30.19N 77.84E 10 3.8b
ISCJB VIII 16 19 16 13.2–.40 30.07N–.03 77.85E–.03 33–6 3.7b
IDC VIII 16 19 16 17.0–8.1 30.26N 77.94E 41–72 3.6,3.5L
BJI VIII 16 19 16 19.9 30.75N 78.47E 9 4.1b,3.9b
ISC Event type se.
NDI Error ellipse: s-maj=8.5km s-min=12.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=10.9km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=11.5.
IDC Error ellipse: s-maj=54.9km s-min=20.4km az=53.0.
ISC X 08 06 00 10.6–.74 24.21N–.05 82.52E–.05 35–13 3.4b 16 1-69
ISCJB X 08 06 00 08.8–.79 24.20N–.05 82.47E–.04 39–12 3.4b **¶12066314**
NDI X 08 06 00 09.5–3.1 24.19N 82.59E 10–0 2.9L
IDC X 08 06 00 21.1–9.0 26.01N 87.88E 0 3.6,3.5
ISCJB Error ellipse: s-maj=8.7km s-min=6.3km az=22.3.
NDI Error ellipse: s-maj=10.0km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=480.1km s-min=25.3km az=67.0.
ISC X 21 15 09 09.1–.53 31.57N–.02 77.39E–.02 10–3 4.4b,3.6s 287 0-145
IDC X 21 15 09 06.6–.55 31.51N 77.37E 0 4.3,4.2 **¶13397710**
LDG X 21 15 09 07.2–.14 31.50N 77.50E 10–0 4.6b,3.1s
ISCJB X 21 15 09 08.0–.90 31.58N–.02 77.41E–.02 15–6 4.4b,3.6s
NDI X 21 15 09 09.4–3.7 31.55N 77.38E 10–0 4.5L,4.5b
MOS X 21 15 09 10.9–1.0 31.69N 77.49E 33 4.6b,4.5b
NEIC X 21 15 09 10.5–2.2 31.66N 77.47E 17–14 4.5b,4.5b
BJI X 21 15 09 12.7 31.87N 77.75E 25 4.6b,4.6b
NNC X 21 15 09 15.6–6.4 32.06N 77.22E 27–61 4.3b,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=16.2km s-min=12.0km az=40.0.
LDG Event type ke. Error ellipse: s-maj=10.7km s-min=4.5km az=28.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.8km az=36.2.
NDI Error ellipse: s-maj=9.5km s-min=8.0km az=-1.0.
MOS Error ellipse: s-maj=9.1km s-min=4.9km az=112.9.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=3.8km az=47.0. Felt strongly in the Mandi-Karsog-Sundarnagar area.
NNC Error ellipse: s-maj=38.3km s-min=26.4km az=122.0.

(309) Nepal-India border region.

ISC VIII 13 14 49 03.5–.70 30.00N–.02 80.04E–.02 6–4 3.7b 79 0-79
IDC VIII 13 14 49 01.1–1.2 29.83N 79.91E 0 3.9L,3.8 **¶11377594**
ISCJB VIII 13 14 49 03.7–.67 29.98N–.03 80.07E–.02 19–6 3.7b,3.8
NDI VIII 13 14 49 03.3–4.7 30.03N 80.37E 33–0 3.9b,3.8L
BJI VIII 13 14 49 04.8 30.00N 80.20E 42 4.4b,3.7b
DMN VIII 13 14 49 06.4–.37 30.40N 80.11E 10–0 4.5L,3.7b
NEIC VIII 13 14 49 08.3–1.7 30.04N 80.16E 42–16 3.9b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=16.7km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=22.0.
NDI Error ellipse: s-maj=14.9km s-min=22.5km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=22.3km s-min=6.8km az=29.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=9.7km az=45.0.

(310) Nepal.

IDC VII 03 00 54 06.1–16 29.16N 83.35E 0 3.5b,3.5
¶12697955
IDC Error ellipse: s-maj=273.7km s-min=68.1km az=28.0.
ISC VIII 02 22 04 54.2–.74 29.43N–.04 81.57E–.05 42–8 4.0b 41 1-84
BJI VIII 02 22 04 37.6 28.73N 80.71E 10 4.4b **¶11652773**
IDC VIII 02 22 04 48.4–.98 29.49N 81.71E 0 4.1,4.0b
ISCJB VIII 02 22 04 52.8–.90 29.38N–.04 81.55E–.05 52–10 4.0b,4.0b
NDI VIII 02 22 04 53.7–2.2 29.58N 81.57E 23–11 4.1b,4.0L
NEIC VIII 02 22 04 53.3–3.3 29.54N 81.62E 30–24 4.1b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=19.0km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.8km az=138.0.
NDI Error ellipse: s-maj=9.4km s-min=14.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=9.4km az=213.0.
IDC VIII 25 20 37 05.6–6.7 29.94N 83.81E 0 4.1,4.0s
¶12581402
IDC Error ellipse: s-maj=305.7km s-min=26.6km az=69.0.
IDC IX 10 19 25 39.5–3.4 28.28N 82.67E 0 3.8L,3.5
¶11909989
IDC Error ellipse: s-maj=114.8km s-min=25.7km az=76.0.
ISC X 07 18 09 38.7–.92 27.51N–.05 87.74E–.04 10–7 3.8b 72 0-94
NEIC X 07 18 09 37.3–1.2 27.47N 87.84E 3–9 3.8b **¶11366385**
DMN X 07 18 09 40.2–.58 27.47N 87.71E 2–0 4.6L
IDC X 07 18 09 40.8–1.1 27.36N 87.80E 29–5 3.7b,3.7
ISC Event type ke.

NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.5km az=223.0.
DMN Event type ke. Error ellipse: s-maj=11.6km s-min=4.1km az=49.0.
IDC Error ellipse: s-maj=31.3km s-min=18.5km az=48.0.
IDC X 24 23 01 31.1–16 29.40N 82.62E 0 3.5,3.5 ¶12071034
IDC Error ellipse: s-maj=268.7km s-min=65.3km az=29.0.
ISC XI 10 21 13 22.0–1.4 28.87N–.08 82.13E–.05 4–9 3.6b 25 4-75
ISCJB XI 10 21 13 19.7–1.3 28.80N–.08 82.08E–.05 3–8 3.6b **¶12073107**
IDC XI 10 21 13 20.6–1.0 28.79N 82.06E 0 3.8,3.7b
NDI XI 10 21 13 37.6–7.5 30.20N 82.15E 10–0 3.2L,3.7b
ISCJB Error ellipse: s-maj=13.7km s-min=7.7km az=5.1.
IDC Error ellipse: s-maj=35.3km s-min=18.0km az=61.0.
NDI Error ellipse: s-maj=68.6km s-min=53.5km az=-1.0.
IDC XI 22 14 38 09.1–1.7 28.94N 83.76E 0 3.5,3.5 ¶12074505
IDC Error ellipse: s-maj=34.9km s-min=31.9km az=111.0.
ISC XII 01 09 24 00.2–.69 28.16N–.05 85.33E–.03 31–5 3.6b 44 0-78
IDC XII 01 09 23 54.0–.93 27.94N 85.02E 0 3.8,3.7b **¶11528490**
NEIC XII 01 09 23 55.5–.59 27.97N 85.10E 10 3.8,3.7b
DMN XII 01 09 24 00.0–.26 28.18N 85.29E 10–0 5.0L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=18.4km az=62.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.6km az=48.0.
DMN Event type ke. Error ellipse: s-maj=5.9km s-min=3.1km az=11.0.
ISC XII 02 05 11 42.3–.49 27.32N–.03 87.97E–.02 24–3 4.7b,3.8s 402 0-150
BJI XII 02 05 11 36.0 27.02N 87.64E 21 4.7b,4.4b **¶13401697**
IDC XII 02 05 11 38.7–.53 27.39N 88.02E 0 4.4,4.3b
ISCJB XII 02 05 11 41.6–.37 27.30N–.03 87.95E–.02 34–3 4.7b,3.8s
NDI XII 02 05 11 41.8–5.7 27.22N 87.83E 14–30 5.2b,5.0L
DMN XII 02 05 11 42.9–.47 27.32N 87.99E 2–0 5.6L,5.0L
NEIC XII 02 05 11 42.0–.74 27.37N 88.05E 25–5 5.2b,5.0L
LDG XII 02 05 11 42.6–.30 27.58N 87.78E 33–0 5.1b,3.7s
MOS XII 02 05 11 43.2–1.0 27.37N 87.98E 47 4.8b,3.7s
ISC Event type fe.
IDC Error ellipse: s-maj=19.4km s-min=12.2km az=42.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=12.8.
NDI Error ellipse: s-maj=22.9km s-min=15.9km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=8.7km s-min=6.7km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.0km az=206.0. Felt [III] at Gangtok and [II] at Legship. Felt strongly at Shiliguri. Also felt at Geyzing.
LDG Event type ke. Error ellipse: s-maj=14.4km s-min=5.5km az=161.0.
MOS Error ellipse: s-maj=8.2km s-min=4.2km az=128.6.
ISC XII 08 08 59 08.8–.09 29.99N–.02 82.09E–.02 15 5.3b,4.8s 918 2-155
BGS XII 08 08 58 52.5–1.8 28.59N 85.02E 33–0 5.3b,4.8s **¶12076333**
SZGRF XII 08 08 59 04.5 28.80N 82.67E 33 5.4b,4.6s
LDG XII 08 08 59 05.1–.18 29.93N 81.99E 10–0 5.5b,4.5s
IDC XII 08 08 59 05.4–.34 29.85N 82.18E 0 5.2L,5.1
BJI XII 08 08 59 06.9 30.11N 82.23E 10 5.3s,5.3b
ISCJB XII 08 08 59 06.8–.09 29.98N–.02 82.05E–.02 14 5.3b,4.8s
MOS XII 08 08 59 07.4–1.1 29.92N 82.05E 21 5.5b,4.7s
DJA XII 08 08 59 08 29.89N 82.11E 10 5.5b,4.7s
DMN XII 08 08 59 08.7–.30 30.15N 81.86E 60–0 6.4L,4.7s
NDI XII 08 08 59 09.9–4.1 29.82N 82.10E 33–0 5.5b,5.3L
NEIC XII 08 08 59 11.3–.36 29.95N 82.05E 36–3 5.5b,4.8s
GCMT XII 08 08 59 12.5–.20 29.65N 82.01E 20–0 5.3W,4.8s
ISC Event type fe.
BGS Error ellipse: s-maj=934.1km s-min=999.9km az=-1.0.
SZGRF Nepal.
LDG Event type ke. Error ellipse: s-maj=9.4km s-min=4.1km az=92.0.
IDC Error ellipse: s-maj=11.3km s-min=9.7km az=25.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.6km az=26.9.
MOS Error ellipse: s-maj=6.1km s-min=3.2km az=124.9.
DMN Event type ke. Error ellipse: s-maj=8.0km s-min=5.7km az=41.0.
NDI Error ellipse: s-maj=14.2km s-min=11.4km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.3km az=218.0. Felt [III] at Pokhara.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s51,c78; s90,c162; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.61±.21 $M_{\theta\theta}$-6.77±.19; $M_{\phi\phi}$9.37±.20; $M_{r\theta}$3.86±.44; $M_{\theta\phi}$2.57±.15; $M_{\phi r}$-2.44±.38; Best double couple: NP1:ϕ_s230.00000°,δ62.00000°,λ-17.00000°. NP2:ϕ_s328.00000°,δ75.00000°,λ-151.00000°. Principal axes: T 10.1000,Plg9.0000° ,Azm97.0000°; N -0.4000,Plg57.0000°,Azm353.0000°; P -9.7000,Plg31.0000° ,Azm192.0000° M_o9.90000×10^{16}
ISC XII 19 06 33 53.7–.43 29.78N–.05 81.98E–.04 10 3.7b 41 2-78
ISCJB XII 19 06 33 52.1–.46 29.78N–.05 81.93E–.04 10 3.8b **¶12078150**
IDC XII 19 06 33 53.1–1.4 29.91N 81.89E 0 3.9,3.8b
NEIC XII 19 06 33 54.2–.86 29.86N 81.94E 10 3.7b,3.8b
NDI XII 19 06 33 55.0–5.8 29.86N 81.99E 15–66 3.7b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.8km az=1.9.
IDC Error ellipse: s-maj=32.6km s-min=26.3km az=13.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=11.1km az=214.0.
NDI Error ellipse: s-maj=55.4km s-min=36.4km az=-1.0.
ISC XII 22 21 19 55.6–.56 28.26N–.08 84.28E–.05 10 3.7b 38 6-79
ISCJB XII 22 21 19 53.3–.60 28.18N–.08 84.23E–.07 10 3.7b **¶12078599**
IDC XII 22 21 19 53.4–1.5 28.14N 84.23E 0 4.0L,4.0
NEIC XII 22 21 19 55.0–.49 28.18N 84.23E 10 3.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=6.2km az=28.7.
IDC Error ellipse: s-maj=51.3km s-min=18.5km az=64.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=5.5km az=222.0.
ISC XII 26 11 43 56.1–.40 29.88N–.04 81.95E–.03 35–6 3.8b 108 2-109
IDC XII 26 11 43 50.5–.72 29.78N 82.03E 0 4.1L,3.9 **¶11527819**
DMN XII 26 11 43 53.2–.30 30.09N 81.90E 10–0 4.5L,3.9
ISCJB XII 26 11 43 54.1–.49 29.85N–.04 81.94E–.03 36–7 3.8b,3.9
NEIC XII 26 11 43 55.4–2.2 29.89N 81.98E 28–18 4.5L,4.1b
NDI XII 26 11 43 55.6–3.4 29.90N 81.96E 23–28 4.1b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=16.2km az=46.0.
DMN Event type ke. Error ellipse: s-maj=8.3km s-min=5.4km az=27.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.2km az=20.3.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.4km az=52.0.
NDI Error ellipse: s-maj=20.0km s-min=10.5km az=-1.0.
ISC XII 29 02 23 48.5–1.7 29.9N–.10 82.2E–.10 56–24 3.1b 10 2-75
IDC XII 29 02 23 41.3–1.5 29.82N 81.86E 0 4.5L,3.6 **¶12079336**
ISCJB XII 29 02 23 47.7–1.9 29.9N–.10 82.1E–.10 65–25 3.0b,3.6

(311) Sikkim.

ISC XII 02 07 38 40.7–.78 27.5N–.10 88.3E–.10 10 3.6b 16 0-81
ISCJB XII 02 07 38 38.4–.75 27.3N–.10 88.19E–.07 10 3.6b **¶12075484**
IDC XII 02 07 38 39.3–.99 27.40N 88.00E 0 3.8,3.7b
ISCJB Error ellipse: s-maj=16.8km s-min=6.1km az=25.5.
IDC Error ellipse: s-maj=37.5km s-min=19.3km az=60.0.
ISC XII 14 14 02 11.2–.76 27.57N–.05 88.60E–.03 18–5 3.6b 57 0-60
NDI XII 14 14 02 12.8–3.8 27.45N 88.51E 33–0 3.3L **¶11527672**
DMN XII 14 14 02 12.0–.41 27.46N 88.66E 10–0 4.8L
NEIC XII 14 14 02 14.8–2.0 27.54N 88.47E 53–33 4.8L
IDC XII 14 14 02 17.9–4.0 28.57N 88.66E 0 3.5,3.4b
ISC Event type ke.
NDI Error ellipse: s-maj=36.1km s-min=22.7km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=9.5km s-min=6.1km az=147.0.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=18.5km az=46.0.
IDC Error ellipse: s-maj=86.6km s-min=36.4km az=53.0.
ISC XII 25 00 26 34.7–.41 27.15N–.03 88.65E–.03 39–4 4.5b,4.1s 334 0-150
LDG XII 25 00 26 30.8–.40 27.55N 88.40E 10–0 4.8b,3.7s **¶13403904**
DMN XII 25 00 26 31.6–.44 27.21N 89.04E 60–0 5.7L,3.7s
IDC XII 25 00 26 32.8–4.3 27.24N 88.70E 20–27 4.4,4.3
BJI XII 25 00 26 32.3 27.38N 88.97E 9 4.7b,4.6b
MOS XII 25 00 26 32.4–.80 27.22N 88.63E 33 5.0b,4.6b
NDI XII 25 00 26 33.7–4.8 27.15N 88.63E 19–14 4.8L,4.8b
ISCJB XII 25 00 26 33.2–.46 27.16N–.03 88.58E–.03 42–4 4.5b,4.1s
NEIC XII 25 00 26 36.2–.51 27.24N 88.63E 49–4 4.8b,4.1s
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=20.7km s-min=6.0km az=166.0.
DMN Event type ke. Error ellipse: s-maj=42.9km s-min=8.2km az=12.0.
IDC Error ellipse: s-maj=15.8km s-min=11.8km az=37.0.
MOS Error ellipse: s-maj=10.6km s-min=4.8km az=122.8.
NDI Error ellipse: s-maj=13.7km s-min=15.2km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=3.8km az=12.2.
NEIC Event type fe. Error ellipse: s-maj=6.5km s-min=4.2km az=193.0. Felt at Darjiling, Gangtok and Paro. Also felt at Thimphu, Bhutan.

(312) Bhutan.

ISC VII 06 03 05 42.7–.36 27.05N–.04 89.84E–.03 27 3.9b 72 1-151
ISCJB VII 06 03 05 41.0–.34 27.15N–.05 89.84E–.03 25 3.9b **¶11227004**
DMN VII 06 03 05 41.8–.38 26.93N 90.05E 40–0 4.6L
IDC VII 06 03 05 42.1–.80 26.99N 89.76E 26–3 3.7,3.6b
NEIC VII 06 03 05 42.0–.37 26.98N 89.73E 26 4.0b,3.6b
BJI VII 06 03 05 52.9 27.66N 90.18E 25 4.7b,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.5km az=4.0.
DMN Event type ke. Error ellipse: s-maj=18.9km s-min=7.3km az=10.0.
IDC Error ellipse: s-maj=25.6km s-min=13.0km az=49.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.0km az=219.0.
ISC VII 14 13 28 43.6–.81 27.38N–.06 91.97E–.06 61–11 3.9b 31 2-65
IDC VII 14 13 28 36.3–1.1 27.46N 91.94E 0 3.8,3.7 **¶11479992**
BJI VII 14 13 28 38.5 27.56N 92.01E 15 4.3b,4.3b
ISCJB VII 14 13 28 42.5–.87 27.36N–.06 91.96E–.06 71–11 3.8b,4.3b
NEIC VII 14 13 28 43.6–1.5 27.42N 92.02E 61–16 4.1b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=17.3km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=8.0km az=34.7.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=9.6km az=50.0.
ISC VIII 27 05 35 18.7–.62 27.08N–.04 91.99E–.04 60–7 4.0b 57 2-146
IDC VIII 27 05 35 11.6–.81 27.24N 92.05E 0 4.1L,4.1 **¶11377727**
DMN VIII 27 05 35 13.6–.53 27.07N 92.34E 10–0 4.9L,4.1
BJI VIII 27 05 35 15.0 27.08N 91.84E 56 4.5b,4.1
ISCJB VIII 27 05 35 17.9–.66 27.08N–.05 91.92E–.04 71–7 3.9b,4.1
NEIC VIII 27 05 35 18.1–1.2 27.15N 92.01E 51–11 4.2b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=14.4km az=47.0.
DMN Event type ke. Error ellipse: s-maj=37.0km s-min=9.5km az=7.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.5km az=19.5.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.7km az=222.0.
ISC XI 09 07 15 15.8–.50 27.07N–.05 89.16E–.03 10 3.4b 45 1-66
IDC XI 09 07 15 12.6–2.0 26.86N 88.82E 0 3.6,3.4b **¶11472981**
ISCJB XI 09 07 15 14.3–.51 27.13N–.05 89.16E–.03 10 3.4b,3.4b
DMN XI 09 07 15 15.8–.45 27.03N 89.35E 10–0 4.6L,3.4b
NEIC XI 09 07 15 15.3–.66 27.03N 89.22E 10 4.6L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=77.9km s-min=21.6km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.0km az=1.6.
DMN Event type ke. Error ellipse: s-maj=43.3km s-min=8.4km az=11.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.6km az=175.0.

(313) Eastern Xizang-India border region.

ISC VII 04 21 35 28.7–.37 29.27N–.03 96.28E–.02 45–4 4.6b,3.6s 308 4-145
BJI VII 04 21 35 24.9 29.19N 96.12E 27 4.9b,4.7L **¶13388198**
MOS VII 04 21 35 25.5–.91 29.32N 96.40E 33 4.9b,4.7L
LDG VII 04 21 35 25.9–.35 29.31N 96.12E 33–0 4.7b,3.4s
ISCJB VII 04 21 35 25.9–.50 29.29N–.02 96.26E–.02 35–5 4.6b,3.6s
NEIC VII 04 21 35 27.8–.17 29.33N 96.32E 35 4.7b,3.6s
IDC VII 04 21 35 27.1–7.7 29.28N 96.42E 33–58 4.3,4.2
SZGRF VII 04 21 35 38.0 29.72N 94.06E 33 4.8b,4.2
ISC Event type ke.
MOS Error ellipse: s-maj=8.5km s-min=4.5km az=117.1.
LDG Event type ke. Error ellipse: s-maj=16.3km s-min=9.0km az=145.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=173.4.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=52.0.
IDC Error ellipse: s-maj=20.1km s-min=11.7km az=34.0.
SZGRF Eastern Xizang-India border region.
ISC VII 20 23 06 38.3–1.3 28.85N–.08 95.9E–.10 46–15 4.0b 21 4-68
BJI VII 20 23 06 32.8 28.77N 95.49E 18 3.9b,3.7L **¶11480068**
IDC VII 20 23 06 32.4–1.6 28.78N 95.83E 0 3.6,3.5
ISCJB VII 20 23 06 36.0–1.7 28.84N–.08 96.0E–.10 44–19 4.0b,3.5
NEIC VII 20 23 06 37.6–.85 28.84N 95.85E 39–10 4.1b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=78.9km s-min=20.9km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=9.8km az=145.1.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.4km az=53.0.
ISC VII 22 21 26 05.4–1.1 29.91N–.04 95.22E–.03 21–8 4.5b,4.2s 152 4-100
BJI VII 22 21 26 00.8 29.77N 95.20E 7 4.8b,4.6s **¶13389846**
IDC VII 22 21 26 01.3–.68 29.80N 95.18E 0 4.3,4.3b
ISCJB VII 22 21 26 03.7–1.1 29.88N–.04 95.23E–.03 24–8 4.5b,4.2s
NEIC VII 22 21 26 03.6–.23 29.93N 95.20E 10 4.7b,4.2s
MOS VII 22 21 26 04.9–1.2 29.83N 95.25E 33 4.8b,4.2s
SZGRF VII 22 21 26 16.8 31.24N 94.23E 33 5.2b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=13.9km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.6km az=15.2.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.3km az=224.0.
MOS Error ellipse: s-maj=10.4km s-min=5.6km az=115.7.
SZGRF Xizang.
ISC IX 18 18 37 22.0–3.6 29.71N–.09 95.5E–.20 38–34 3.6b 11 4-87
IDC IX 18 18 37 16.4–1.0 29.52N 95.25E 0 3.7b,3.7 **¶11910573**
BJI IX 18 18 37 19.2 29.75N 95.11E 30 3.6L,3.7
ISCJB IX 18 18 37 20.1–3.8 29.64N–.08 95.5E–.20 39–34 3.6b,3.7
NEIC IX 18 18 37 21.7–.67 29.68N 95.48E 35 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=78.4km s-min=19.0km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=30.7km s-min=13.9km az=175.5.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=11.9km az=224.0.
IDC X 10 22 05 31.3–1.9 29.52N 95.71E 0 3.4,3.2 ¶12066543
IDC Error ellipse: s-maj=80.7km s-min=26.4km az=69.0.
ISC XI 14 04 26 11.7–1.4 27.70N–.07 92.8E–.10 78–14 3.8b 29 2-85
IDC XI 14 04 26 01.8–.82 27.62N 92.71E 0 4.0,3.8b **¶12073486**
ISCJB XI 14 04 26 11.1–1.4 27.69N–.07 92.8E–.10 90–13 3.8b,3.8b
NEIC XI 14 04 26 12.1–1.5 27.75N 92.78E 82–13 3.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=17.0km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=10.4km az=169.9.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.7km az=221.0.
ISC XI 24 14 58 23.4–1.6 27.00N–.07 92.0E–.10 10 22 1-8
DMN XI 24 14 58 20.7–.59 27.50N 92.46E 10–0 4.5L **¶11528427**
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=32.7km s-min=10.9km az=4.0.
ISC XII 28 04 27 11.9–1.7 28.64N–.05 96.03E–.06 10–11 3.9b,3.6s 43 4-88
IDC XII 28 04 27 10.2–.77 28.63N 95.78E 0 4.1,3.9 **¶13404211**
NEIC XII 28 04 27 15.8–1.4 28.68N 96.12E 42–15 3.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=15.0km az=60.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.2km az=57.0.

(314) Southern India.

NDI VII 10 09 39 58.3–5.2 23.41N 70.13E 10–0 3.7L ¶13562859
NDI Error ellipse: s-maj=13.3km s-min=12.3km az=-1.0.
ISC VII 29 19 10 56.6–.68 17.58N–.04 74.12E–.04 18–5 4.1b 80 0-133
IDC VII 29 19 10 50.3–1.8 17.17N 73.49E 0 3.9,3.8b **¶11153942**
NDI VII 29 19 10 53.2–2.3 17.38N 73.75E 8–9 4.5b,4.3L
ISCJB VII 29 19 10 55.7–.62 17.57N–.04 74.16E–.04 29–5 4.1b,4.3L
BJI VII 29 19 10 59.4 17.58N 73.74E 62 5.0b,4.2b
NEIC VII 29 19 10 59.6–.91 17.64N 74.17E 45 4.5b,4.2b

ISC Event type fe.
IDC Error ellipse: s-maj=43.2km s-min=21.5km az=46.0.
NDI Error ellipse: s-maj=10.7km s-min=9.5km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.8km s-min=6.1km az=175.0.
NEIC Event type fe. Error ellipse: s-maj=17.4km s-min=14.0km az=146.0. Felt [IV] at Pune and [III] at Mumbai. Felt at Kolhapur and in much of western Maharashtra.

ISC	**IX**	**16 21 47 13.4–.68**	**17.39N–.02**	**73.87E–.02**	**1–4**	**4.9b,4.2s**	**354**	**0-151**
BJI	IX	16 21 47 10.0	17.10N	73.52E	10	4.9b,4.9b		**¶13394470**
IDC	IX	16 21 47 13.7–.48	17.44N	73.83E	0	4.7,4.7		
NEIC	IX	16 21 47 14.5–.25	17.44N	73.92E	10	5.0b,4.7		
ISCJB	IX	16 21 47 14.2–.67	17.39N–.03	73.78E–.03	18–4	4.8b,4.2s		
NDI	IX	16 21 47 15.0–8.1	17.40N	73.76E	15–29	5.0L,5.0b		
MOS	IX	16 21 47 16.3–1.2	17.34N	73.77E	33	5.0b,4.1s		
SZGRF	IX	16 21 47 16.0	16.10N	72.83E	33	4.8b,3.6s		
DJA	IX	16 21 47 20	17.40N	73.87E	20	4.9b,3.6s		

ISC Event type de.
IDC Error ellipse: s-maj=16.0km s-min=11.9km az=20.0.
NEIC Event type de. Error ellipse: s-maj=6.2km s-min=5.2km az=179.0. One person killed in the Daund area. At least 20 people injured, over 1,500 buildings damaged and several roads damaged by rockfalls in Satara. Buildings also damaged at Bombay. Felt [V] at Dabhol and Pune; [IV] at Bombay, Candolim, Karad, Madgaon, Mahabaleshwar, Panchgani, Pilerne, Ratnagiri and Vasco da Gama. Felt [II] in Panaji. Felt in most of western Maharashtra. Also felt in Goa and northern Karnataka.
ISCJB Event type de. Error ellipse: s-maj=4.3km s-min=4.0km az=40.1.
NDI Error ellipse: s-maj=25.0km s-min=31.8km az=-1.0.
MOS Error ellipse: s-maj=8.7km s-min=4.7km az=116.3.
SZGRF Arabian Sea.

ISC	**X**	**05 11 33 40.2–.54**	**21.12N–.04**	**70.67E–.05**	**10**	**3.8b**	**57**	**2-76**
ISCJB	X	05 11 33 39.0–.55	21.17N–.04	70.76E–.05	10	3.8b		**¶12065995**
NDI	X	05 11 33 40.2–3.3	21.06N	70.52E	15–24	3.9L,3.8b		
IDC	X	05 11 33 41.8–3.0	21.24N	71.07E	0	3.8,3.7b		
NEIC	X	05 11 33 42.9–1.1	21.22N	71.00E	10	3.8b,3.7b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.6km az=136.2.
NDI Error ellipse: s-maj=15.4km s-min=19.1km az=-1.0.
IDC Error ellipse: s-maj=78.6km s-min=23.9km az=75.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=9.7km az=213.0.

ISC	**X**	**06 06 15 49.0–3.6**	**21.78N–.06**	**87.32E–.06**	**17–24**	**3.7b**	**15**	**1-64**
IDC	X	06 06 15 46.0–2.3	21.73N	87.32E	0	3.9L,3.9		**¶12066100**
NDI	X	06 06 15 59.8–5.3	21.99N	86.47E	10–0	3.5L,3.9		

IDC Error ellipse: s-maj=93.0km s-min=26.8km az=61.0.
NDI Error ellipse: s-maj=14.9km s-min=15.2km az=-1.0.

ISC	**XI**	**08 16 51 38.3–1.9**	**23.50N–.03**	**87.18E–.04**	**26–16**	**3.7b**	**60**	**1-30**
DMN	XI	08 16 51 35.0–.33	23.21N	87.12E	10–0	4.6L		**¶11472976**
ISCJB	XI	08 16 51 37.7–.61	23.50N–.03	87.06E–.05	33–11	3.8b		
NEIC	XI	08 16 51 38.0–1.2	23.64N	87.36E	10	4.2b		
NDI	XI	08 16 51 38.5–7.1	23.60N	87.35E	10–0	4.2L,4.2b		
IDC	XI	08 16 51 41.8–18	24.17N	87.83E	0	3.8,3.8		

ISC Event type fe.
DMN Event type ke. Error ellipse: s-maj=7.9km s-min=6.3km az=37.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.5km az=169.3.
NEIC Event type fe. Error ellipse: s-maj=22.7km s-min=12.1km az=46.0. Felt at Bankura.
NDI Error ellipse: s-maj=23.1km s-min=22.4km az=-1.0.
IDC Error ellipse: s-maj=310.0km s-min=57.4km az=11.0.

(315) India-Bangladesh border region.

ISC	**VII**	**05 16 55 54.3–.31**	**24.40N–.03**	**88.47E–.03**	**35**	**4.0b**	**78**	**2-65**
BJI	VII	05 16 55 49.4	24.25N	88.53E	30	4.4b,4.2b		**¶13388268**
IDC	VII	05 16 55 49.7–1.1	24.40N	88.33E	0	4.0,3.9b		
ISCJB	VII	05 16 55 52.0–.34	24.36N–.03	88.43E–.03	33	4.0b,3.9b		
DMN	VII	05 16 55 52.8–.64	24.39N	88.55E	10–0	4.8L,3.9b		
NEIC	VII	05 16 55 54.3–.35	24.39N	88.48E	35	4.2b,3.9b		
NDI	VII	05 16 55 55.2–5.4	24.41N	88.47E	39–186	4.2b,4.1L		

ISC Event type fe.
IDC Error ellipse: s-maj=39.4km s-min=16.5km az=54.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.9km az=140.2.
DMN Event type ke. Error ellipse: s-maj=14.5km s-min=12.0km az=99.0.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=5.9km az=55.0. Felt at Chapainawabganj, Naogaon, Natore and Rajshahi, Bangladesh. Also felt at Birbhum, Burdwan, Malda and Murshidabad, India.
NDI Error ellipse: s-maj=10.7km s-min=10.2km az=-1.0.

ISC	**VIII**	**22 18 06 53.2–1.0**	**22.42N–.03**	**92.48E–.03**	**33–8**	**4.5b,3.7s**	**165**	**2-152**
ISCJB	VIII	22 18 06 50.1–1.0	22.41N–.03	92.47E–.03	25–8	4.5b,3.7s		**¶13392343**
MOS	VIII	22 18 06 50.9–1.7	22.44N	92.64E	33	4.7b,4.1s		
BJI	VIII	22 18 06 51.6	22.58N	92.63E	19	4.9b,4.8b		
NEIC	VIII	22 18 06 54.4–.19	22.45N	92.54E	47	4.7b,4.8b		
IDC	VIII	22 18 06 54.2–.52	22.46N	92.58E	44–4	4.1,4.1		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.5km s-min=3.6km az=33.8.
MOS Error ellipse: s-maj=32.7km s-min=9.8km az=121.5.
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=3.9km az=46.0. Felt at Chittagong, Bangladesh.
IDC Error ellipse: s-maj=16.3km s-min=10.4km az=56.0.

ISC	**X**	**30 08 59 53.0–1.1**	**22.4N–.10**	**92.2E–.10**	**103–13**	**3.8b**	**10**	**3-65**
ISCJB	X	30 08 59 51.8–1.2	22.4N–.10	92.2E–.10	114–15	3.8b		**¶12071606**
IDC	X	30 08 59 58.3–3.5	24.38N	94.95E	129–35	3.5,3.4b		

ISCJB Error ellipse: s-maj=20.8km s-min=15.2km az=141.5.
IDC Error ellipse: s-maj=73.3km s-min=16.5km az=56.0.

ISC	**XI**	**07 00 29 07.3–.75**	**25.81N–.06**	**92.82E–.06**	**49–8**	**3.8b**	**40**	**1-85**
ISCJB	XI	07 00 29 05.7–.83	25.81N–.06	92.87E–.07	52–9	3.8b		**¶12072606**
IDC	XI	07 00 29 05.9–.81	25.85N	92.78E	32–4	4.1L,3.7		
NEIC	XI	07 00 29 07.4–.82	25.82N	92.85E	51–9	3.9b,3.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=8.4km az=139.7.
IDC Error ellipse: s-maj=32.4km s-min=14.2km az=57.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.4km az=53.0.

ISC	**XI**	**18 23 00 45.4–3.3**	**23.68N–.06**	**91.17E–.06**	**9–22**	**3.6b**	**23**	**6-73**
IDC	XI	18 23 00 42.8–1.7	23.57N	90.90E	0	3.9L,3.7		**¶12074067**
ISCJB	XI	18 23 00 43.8–2.7	23.64N–.05	91.18E–.06	15–17	3.6b,3.7		
NEIC	XI	18 23 00 48.0–.92	23.77N	91.14E	35	3.8b,3.7		

ISC Event type se.
IDC Error ellipse: s-maj=70.5km s-min=18.6km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.8km az=140.8.
NEIC Event type se. Error ellipse: s-maj=32.2km s-min=9.7km az=51.0.

IDC	**XI**	**22 13 26 25.1–2.5**	**22.04N**	**92.26E**	**0**	**3.5,3.4b**		**¶12074500**

IDC Error ellipse: s-maj=133.1km s-min=26.9km az=57.0.

ISC	**XII**	**23 13 20 36.8–1.4**	**25.06N–.07**	**91.92E–.08**	**19–8**	**3.6b**	**20**	**1-80**
IDC	XII	23 13 20 32.7–2.3	25.02N	91.80E	0	3.8,3.6b		**¶12078679**
ISCJB	XII	23 13 20 36.2–1.3	25.04N–.07	92.0E–.10	26–10	3.6b,3.6b		
NEIC	XII	23 13 20 39.1–1.8	25.00N	91.97E	42–15	4.0b,3.6b		

ISC Event type se.
IDC Error ellipse: s-maj=85.7km s-min=21.3km az=69.0.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=11.1km az=167.3.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=10.9km az=64.0.

(316) Bangladesh.

ISC	**VII**	**26 18 51 51.1–.92**	**24.74N–.02**	**90.51E–.02**	**18–5**	**4.8b,4.0s**	**628**	**1-158**
DMN	VII	26 18 51 38.6–.64	23.85N	90.70E	10–0	7.0b,4.0s		**¶11153787**
IDC	VII	26 18 51 48.9–.47	24.87N	90.52E	0	4.8L,4.7		
BJI	VII	26 18 51 49.9	24.96N	90.55E	19	4.8b,4.7L		
ISCJB	VII	26 18 51 49.4–.67	24.75N–.02	90.50E–.02	21–4	4.8b,4.0s		
LDG	VII	26 18 51 49.8–.19	24.90N	90.09E	10–0	4.9b,3.8s		
NEIC	VII	26 18 51 51.0–1.2	24.79N	90.54E	18–7	4.8b,4.1s		
MOS	VII	26 18 51 50.3–.84	24.75N	90.51E	27	5.0b,4.0s		
SZGRF	VII	26 18 51 57.8	24.73N	89.62E	33	5.2b,4.2s		
BGS	VII	26 18 52 19.4–1.7	25.69N	88.80E	33–0	4.7b,4.2s		

ISC Event type de.
DMN Event type ke. Error ellipse: s-maj=18.6km s-min=11.6km az=69.0.
IDC Error ellipse: s-maj=16.9km s-min=11.5km az=41.0.
ISCJB Event type de. Error ellipse: s-maj=4.1km s-min=2.8km az=2.4.
LDG Event type ke. Error ellipse: s-maj=9.4km s-min=7.2km az=179.0.
NEIC Event type de. Error ellipse: s-maj=4.7km s-min=2.8km az=213.0. At least 25 people injured at Dhaka. Felt [IV] at Dhaka. Felt at Maimansingh. Also felt at Agartala, India.
MOS Error ellipse: s-maj=7.4km s-min=3.4km az=127.7.
SZGRF Bangladesh.
BGS Error ellipse: s-maj=890.8km s-min=931.7km az=-1.0.

ISC	**IX**	**20 11 16 25.5–3.5**	**23.45N–.07**	**90.8E–.20**	**9–18**	**3.6b**	**15**	**1-63**
IDC	IX	20 11 16 24.2–2.0	23.52N	90.98E	0	3.9L,3.8		**¶11910696**
NEIC	IX	20 11 16 24.5–1.2	23.31N	90.58E	10	3.9L,3.8		

ISC Event type fe.
IDC Error ellipse: s-maj=71.9km s-min=22.1km az=68.0.
NEIC Event type fe. Error ellipse: s-maj=34.6km s-min=9.9km az=63.0. Felt at Dhaka.

ISC	**IX**	**20 11 42 33.8–2.6**	**23.27N–.08**	**90.5E–.20**	**10–14**	**3.4b**	**10**	**1-63**
ISCJB	IX	20 11 42 31.0–2.4	23.22N–.08	90.6E–.20	5–13	3.4b		**¶11910698**
IDC	IX	20 11 42 34.0–2.2	23.53N	90.95E	0	3.6,3.4b		
NEIC	IX	20 11 42 35.2–1.9	23.45N	90.82E	10	3.6,3.4b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=12.9km az=178.6.
IDC Error ellipse: s-maj=76.8km s-min=22.6km az=68.0.
NEIC Event type se. Error ellipse: s-maj=53.4km s-min=14.3km az=65.0.

ISC	**IX**	**20 11 51 39.7–1.1**	**23.46N–.04**	**90.68E–.03**	**0–7**	**4.1b,3.6s**	**54**	**1-92**
ISCJB	IX	20 11 51 37.9–.88	23.42N–.04	90.64E–.03	3–6	4.0b,3.6s		**¶11910699**
IDC	IX	20 11 51 39.6–1.1	23.39N	90.69E	0	4.5L,4.1		
BJI	IX	20 11 51 41.8	23.26N	90.72E	17	4.4b,4.4b		
NEIC	IX	20 11 51 41.3–.42	23.40N	90.73E	10	4.5b,4.4b		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.5km s-min=4.7km az=157.2.
IDC Error ellipse: s-maj=49.0km s-min=15.0km az=62.0.
NEIC Event type fe. Error ellipse: s-maj=12.5km s-min=5.2km az=51.0. Felt at Dhaka.

ISC	**IX**	**20 12 00 51.9–.70**	**23.47N–.05**	**90.80E–.09**	**10**	**3.7b**	**20**	**1-63**
IDC	IX	20 12 00 49.8–1.3	23.40N	90.63E	0	4.0L,3.9		**¶11910700**
ISCJB	IX	20 12 00 50.0–.71	23.44N–.05	90.85E–.09	10	3.7b,3.9		
NEIC	IX	20 12 00 51.3–.67	23.39N	90.69E	10	4.2b,3.9		
BJI	IX	20 12 00 54.8	23.84N	90.94E	10	4.3b,4.1b		

ISC Event type fe.
IDC Error ellipse: s-maj=59.7km s-min=17.8km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=11.8km s-min=7.2km az=178.0.
NEIC Event type fe. Error ellipse: s-maj=17.5km s-min=7.2km az=54.0. Felt at Dhaka.

ISC	**IX**	**20 12 21 31.1–4.4**	**23.5N–.10**	**90.8E–.30**	**12–21**	**3.3b**	**7**	**1-61**
IDC	IX	20 12 21 28.9–2.8	23.43N	90.70E	0	3.5,3.4b		**¶11910701**
NEIC	IX	20 12 21 30.4–1.9	23.46N	90.73E	10	3.5,3.4b		

ISC Event type fe.
IDC Error ellipse: s-maj=83.1km s-min=27.6km az=64.0.
NEIC Event type fe. Error ellipse: s-maj=48.6km s-min=12.5km az=63.0. Felt [III] at Dhaka.

ISC	**IX**	**26 04 00 00.0–1.9**	**22.4N–.10**	**91.5E–.10**	**10**		**15**	**1-9**
								¶15250541

ISC	**X**	**27 20 01 33.5–1.5**	**23.25N–.06**	**90.59E–.06**	**12–10**	**3.6b**	**46**	**3-63**
ISCJB	X	27 20 01 30.0–1.3	23.14N–.05	90.55E–.05	6–8	3.6b		**¶11472806**
NEIC	X	27 20 01 33.6–.41	23.40N	90.69E	10	3.6b		
IDC	X	27 20 01 33.0–2.2	23.60N	91.06E	0	3.7,3.6b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.0km az=42.9.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=4.2km az=220.0.
IDC Error ellipse: s-maj=116.3km s-min=18.5km az=60.0.

ISC	**XI**	**18 23 15 20.7–1.8**	**23.22N–.06**	**90.59E–.06**	**16–11**	**3.5b**	**29**	**3-61**
ISCJB	XI	18 23 15 16.8–1.6	23.15N–.05	90.60E–.05	8–10	3.5b		**¶11528375**
IDC	XI	18 23 15 19.3–3.2	23.76N	91.21E	0	4.0L,3.7		
NEIC	XI	18 23 15 26.2–1.4	23.98N	91.59E	35	3.6b,3.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=8.0km az=26.2.
IDC Error ellipse: s-maj=158.3km s-min=28.6km az=57.0.
NEIC Event type se. Error ellipse: s-maj=52.6km s-min=12.2km az=56.0.

(317) Northeastern India.

ISC	**XI**	**27 15 32 06.0–.93**	**26.91N–.07**	**92.3E–.20**	**35**	**3.3b**	**6**	**1-64**
ISCJB	XI	27 15 32 03.8–.94	26.96N–.08	92.4E–.20	33	3.3b		**¶12075044**
IDC	XI	27 15 32 03.5–3.9	27.77N	94.04E	0	3.5,3.3b		

ISCJB Error ellipse: s-maj=26.9km s-min=10.3km az=9.5.
IDC Error ellipse: s-maj=396.2km s-min=23.0km az=59.0.

ISC	**XII**	**12 17 52 37.9–4.9**	**26.64N–.07**	**93.6E–.10**	**8–32**	**3.7b**	**11**	**2-63**
IDC	XII	12 17 52 36.2–1.4	26.39N	93.25E	0	3.5b,3.5		**¶12077157**

IDC Error ellipse: s-maj=152.0km s-min=20.4km az=55.0.

(318) Yunnan.

ISC	**VIII**	**25 05 41 10.0–.50**	**24.82N–.04**	**104.45E–.04**	**10**	**3.5b**	**19**	**2-33**
ISCJB	VIII	25 05 41 08.3–.54	24.79N–.04	104.43E–.05	10	3.5b		**¶11653077**
PLV	VIII	25 05 41 13.1–.70	24.61N	104.46E	0–22	3.3L		
BJI	VIII	25 05 41 15.1	25.12N	104.44E	27	3.8L,3.3s		
IDC	VIII	25 05 41 19.5–4.0	25.47N	103.12E	0	3.7L,3.6b		

ISCJB Error ellipse: s-maj=6.2km s-min=5.9km az=27.6.
PLV Error ellipse: s-maj=44.9km s-min=7.9km az=-1.0.
IDC Error ellipse: s-maj=103.6km s-min=20.8km az=107.0.

ISC	**VIII**	**30 08 30 52.0–.55**	**26.31N–.01**	**101.89E–.02**	**2–3**	**5.8s,5.6b**	**1165**	**1-173**
IDC	VIII	30 08 30 50.7–.31	26.24N	101.95E	0	5.5s,5.5		**¶13392944**
ISCJB	VIII	30 08 30 52.5–.09	26.31N–.01	101.91E–.02	17	5.8s,5.6b		
BJI	VIII	30 08 30 52.6	26.30N	102.06E	19	6.3s,6.1L		
MOS	VIII	30 08 30 53.7–.92	26.27N	101.99E	29	5.8b,5.7s		
NEIC	VIII	30 08 30 53.0–.12	26.24N	101.89E	11	6.1,5.8s		
TEH	VIII	30 08 30 54.0	26.34N	101.91E	10	6.1,5.8s		
SZGRF	VIII	30 08 30 57.8	26.15N	101.77E	33	6.0s,5.8b		
GCMT	VIII	30 08 30 57.5–.10	26.19N	102.04E	24–0	6.0W,5.8b		
DJA	VIII	30 08 30 59	26.26N	101.81E	45	6.1W,5.8b		
BGS	VIII	30 08 31 19.4–1.6	28.82N	96.81E	10–0	5.9s,5.3b		

ISC Event type de.
IDC Error ellipse: s-maj=9.7km s-min=7.7km az=58.0.
ISCJB Event type de. Error ellipse: s-maj=2.2km s-min=1.8km az=35.3.
MOS Error ellipse: s-maj=6.1km s-min=3.2km az=122.5.
NEIC Event type de. Error ellipse: s-maj=3.9km s-min=2.8km az=198.0. At least 32 people killed and 321 injured at Huili; 6 people killed and 132 injured at Chuxiong; 5 people killed and 132 injured at Panzhihua; 4 people injured at Kunming. At least 392,000 houses damaged or destroyed in the Sichuan-Yunnan area. At least 66 schools, 22 bridges, 131 roads and 19 reservoirs damaged at Panzhihua. Chengdu-Kunming railroad service interrupted. Strongly felt at Panzhihua and Xichang. Felt [III] at Kunming. Also felt at Chengdu, Dali and Yibin. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s200.00000°,δ65.00000°,λ30.00000°. NP2:ϕ_s96.00000°,δ63.00000°,λ152.00000°. Principal axes: T Plg38.0000°,Azm59.0000°; N Plg0.0000°,Azm0.0000°; P Plg1.0000° ,Azm328.0000° Moment Tensor Solution. s10 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97 $M_{\theta\theta}$-2.62 $M_{\phi\phi}$3.59 $M_{r\theta}$0.07 $M_{\theta\phi}$-5.42 $M_{\phi r}$-2.21 Best double couple: NP1:ϕ_s195.00000° ,δ89.00000°,λ19.00000°. NP2:ϕ_s104.00000°,δ71.00000°,λ179.00000°. Principal axes: T 7.2000,Plg13.0000°,Azm61.0000°; N -1.2000,Plg71.0000°,Azm196.0000° ; P -5.9900,Plg12.0000°,Azm327.0000° M_o6.70000×10^{17}
SZGRF Yunnan, China.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=221, per= 50. Moment Tensor Solution. s78,c129; s53,c72; Moment tensor: Scale 10^{18}Nm; M_{rr}0.02±.01 $M_{\theta\theta}$-0.37±.01; $M_{\phi\phi}$0.35±.01; $M_{r\theta}$-0.01±.02; $M_{\theta\phi}$-1.03±.01; $M_{\phi r}$-0.07±.02; Best double couple: NP1:ϕ_s100.00000°,δ86.00000°,λ180.00000°. NP2:ϕ_s190.00000°,δ90.00000°,λ4.00000°. Principal axes: T 1.0800,Plg3.0000°,Azm55.0000°; N 0.0200,Plg86.0000°,Azm192.0000° ; P -1.1000,Plg2.0000°,Azm325.0000° M_o1.10000×10^{18}
BGS Error ellipse: s-maj=347.2km s-min=422.3km az=-1.0.

ISC	**VIII**	**31 08 31 09.8–.66**	**26.25N–.02**	**101.92E–.01**	**3–4**	**5.4b,5.2s**	**1081**	**1-173**
ISCJB	VIII	31 08 31 08.8–.09	26.24N–.02	101.93E–.02	8	5.4b,5.2s		**¶13393047**
BJI	VIII	31 08 31 10.0	26.27N	102.06E	13	5.8s,5.6L		
NEIC	VIII	31 08 31 10.7–.11	26.23N	101.97E	10	5.5b,5.3W		
TEH	VIII	31 08 31 11.0	26.23N	101.95E	10	5.5b,5.3W		
MOS	VIII	31 08 31 12.5–.81	26.20N	101.97E	35	5.5b,5.0s		
IDC	VIII	31 08 31 12.6–2.2	26.22N	101.95E	25–14	5.2L,4.9b		
DJA	VIII	31 08 31 13	26.21N	101.84E	10	5.8W,4.9b		
GCMT	VIII	31 08 31 14.2–.10	26.16N	102.01E	25–0	5.6W,4.9b		
SZGRF	VIII	31 08 31 18.0	26.44N	101.47E	33	5.5b,5.5s		
BGS	VIII	31 08 31 19.1–1.5	26.87N	99.84E	10–0	5.2s,5.1b		

ISC Event type de.
ISCJB Event type de. Error ellipse: s-maj=2.4km s-min=1.9km az=30.7.
NEIC Event type de. Error ellipse: s-maj=3.3km s-min=2.7km az=218.0. Two people killed in the Panzhihua area. Felt [III] at Kunming. Also felt at Xichang. Moment Tensor Solution. s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-0.17 $M_{r\theta}$-0.03 $M_{\theta\phi}$-1.25 $M_{\phi r}$-0.31 Best double couple: NP1:ϕ_s86.00000°,δ76.00000°,λ-177.00000°. NP2:ϕ_s355.00000° ,δ87.00000°,λ-14.00000°. Principal axes: T 1.3100,Plg7.0000°,Azm41.0000° ; N -0.0100,Plg75.0000°,Azm165.0000°; P -1.3000,Plg11.0000°,Azm309.0000° M_o1.30000×10^{17}
MOS Error ellipse: s-maj=6.0km s-min=3.4km az=119.1.
IDC Error ellipse: s-maj=10.7km s-min=9.4km az=69.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 96, comp=198, per= 50. Moment Tensor Solution. s73,c112; s33,c35; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.04 $M_{\theta\theta}$-0.97±.04; $M_{\phi\phi}$1.05±.04; $M_{r\theta}$-0.66±.09; $M_{\theta\phi}$-2.39±.04; $M_{\phi r}$-0.18±.09; Best double couple: NP1:ϕ_s11.00000°,δ77.00000°,λ-7.00000°. NP2:ϕ_s102.00000°,δ84.00000°,λ-167.00000°. Principal axes: T 2.6500,Plg5.0000°,Azm236.0000°; N 0.0700,Plg75.0000°,Azm128.0000° ; P -2.7200,Plg14.0000°,Azm327.0000° M_o2.70000×10^{17}
SZGRF Yunnan, China.
BGS Error ellipse: s-maj=395.6km s-min=474.0km az=-1.0.

ISC	**VIII**	**31 09 34 50.3–.78**	**26.23N–.02**	**101.98E–.03**	**13–5**	**4.6b,3.9s**	**317**	**1-166**	
ISCJB	VIII	31 09 34 47.1–.76	26.25N–.02	102.01E–.03	3–5	4.6b,3.9s			¶13393053
BJI	VIII	31 09 34 49.1	26.25N	102.06E	12	5.1L,4.8s			
NEIC	VIII	31 09 34 49.8–.19	26.24N	102.01E	10	4.7b,4.8s			
MOS	VIII	31 09 34 51.2–.92	26.21N	102.01E	33	4.9b,4.0s			
IDC	VIII	31 09 34 52.4–3.6	26.22N	102.04E	33–28	4.7L,4.3			
DJA	VIII	31 09 34 52	26.19N	102.06E	11	4.8b,4.3			
SZGRF	VIII	31 09 34 59.1	26.89N	102.44E	33	4.5b,4.3			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.7km az=136.4.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=60.0.
MOS Error ellipse: s-maj=8.4km s-min=4.9km az=110.3.
IDC Error ellipse: s-maj=15.1km s-min=10.4km az=63.0.
SZGRF Sichuan, China.

ISC	**VIII**	**31 11 00 30.9–.29**	**26.17N–.03**	**101.91E–.03**	**10**	**4.1b,3.3s**	**69**	**1-149**	
ISCJB	VIII	31 11 00 29.2–.28	26.23N–.03	101.96E–.04	10	4.1b,3.3s			¶11653154
BJI	VIII	31 11 00 30.9	26.16N	101.99E	14	4.5b,4.3L			
NEIC	VIII	31 11 00 31.8–.46	26.24N	101.90E	10	4.4b,4.3L			
IDC	VIII	31 11 00 32.3–5.3	26.20N	102.04E	20–35	4.0,3.9			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=4.3km az=178.6.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.6km az=88.0.
IDC Error ellipse: s-maj=21.0km s-min=13.1km az=64.0.

ISC	**IX**	**05 08 24 14.9–.50**	**26.35N–.04**	**101.94E–.06**	**10**	**4.0b**	**28**	**1-149**	
ISCJB	IX	05 08 24 12.6–.48	26.36N–.04	101.96E–.06	10	4.0b			¶13393476
IDC	IX	05 08 24 13.2–.68	26.31N	101.92E	0	4.1,4.0b			
BJI	IX	05 08 24 15.0	26.23N	101.98E	16	4.4b,3.7L			

ISCJB Error ellipse: s-maj=7.8km s-min=5.9km az=172.2.
IDC Error ellipse: s-maj=28.9km s-min=13.8km az=68.0.

ISC	**IX**	**07 17 55 32.3–1.1**	**24.65N–.06**	**99.83E–.08**	**10**	**3.4b**	**11**	**3-56**	
ISCJB	IX	07 17 55 29.6–1.1	24.55N–.06	99.86E–.08	10	3.4b			¶11909744
IDC	IX	07 17 55 30.9–1.6	24.75N	99.71E	0	3.6L,3.6			
BJI	IX	07 17 55 32.1	24.79N	99.77E	13	3.0L,3.6			

ISCJB Error ellipse: s-maj=11.7km s-min=5.5km az=33.8.
IDC Error ellipse: s-maj=41.4km s-min=21.0km az=80.0.

ISC	**IX**	**14 23 37 43.3–.70**	**23.47N–.04**	**102.76E–.06**	**10**		**20**	**2-5**	
BJI	IX	14 23 37 43.4	23.48N	102.71E	15	3.6L			¶13856422
PLV	IX	14 23 37 53.1–1.0	23.76N	105.33E	0–7	3.9			

PLV Error ellipse: s-maj=6.6km s-min=10.7km az=-1.0.

ISC	**IX**	**30 01 16 37.1–1.1**	**26.15N–.05**	**101.85E–.03**	**1–8**	**4.5b,3.5s**	**204**	**1-150**	
ISCJB	IX	30 01 16 35.8–1.2	26.17N–.05	101.84E–.04	4–8	4.5b,3.5s			¶13395494
IDC	IX	30 01 16 36.6–.71	26.23N	101.92E	0	4.5,4.3			
BJI	IX	30 01 16 38.5	26.24N	101.94E	13	4.8b,4.5s			
NEIC	IX	30 01 16 39.4–.36	26.33N	101.83E	10	4.7b,4.5s			
MOS	IX	30 01 16 41.0–.82	26.32N	101.80E	33	4.8b,4.5s			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.5km az=8.4.
IDC Error ellipse: s-maj=34.3km s-min=15.1km az=54.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.8km az=158.0.
MOS Error ellipse: s-maj=11.2km s-min=5.6km az=119.6.

ISC	**X**	**07 18 29 44.2–.90**	**25.61N–.03**	**102.01E–.03**	**13–6**	**4.2b,3.6s**	**147**	**1-145**	
ISCJB	X	07 18 29 41.5–.99	25.66N–.03	101.98E–.04	7–7	4.2b,3.6s			¶12066276
IDC	X	07 18 29 41.7–.63	25.60N	102.07E	0	4.1,4.0			
BJI	X	07 18 29 42.7	25.54N	102.05E	10	4.8b,4.6s			
MOS	X	07 18 29 43.8–.94	25.58N	101.97E	27	4.5b,4.6s			
NEIC	X	07 18 29 44.0–2.4	25.55N	101.97E	16–15	4.5b,4.6s			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=5.3km az=140.3.
IDC Error ellipse: s-maj=21.1km s-min=12.9km az=75.0.
MOS Error ellipse: s-maj=11.3km s-min=7.4km az=113.1.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.8km az=210.0.

ISC	**X**	**08 02 21 43.5–1.2**	**23.53N–.03**	**102.26E–.08**	**5–10**		**18**	**2-8**	
PLV	X	08 02 21 38.9–1.7	23.63N	102.08E	1–999	3.0			¶12789689
BJI	X	08 02 21 39.8	23.38N	101.70E	20	4.0b,3.9L			

PLV Error ellipse: s-maj=60.7km s-min=23.1km az=-1.0.

ISC	**X**	**17 21 37 46.9–1.5**	**23.26N–.05**	**103.98E–.06**	**9–11**	**3.5b**	**39**	**2-52**	
IDC	X	17 21 37 44.9–1.4	23.17N	104.24E	0	4.0L,3.5			¶12068924
PLV	X	17 21 37 45.6–2.6	23.32N	103.91E	0–19	3.3,3.5			
NEIC	X	17 21 37 46.3–.47	23.13N	104.13E	10	3.8b,3.5			

ISC Event type fe.
IDC Error ellipse: s-maj=30.8km s-min=20.5km az=107.0.
PLV Error ellipse: s-maj=16.1km s-min=16.2km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=10.5km s-min=7.3km az=108.0. Felt at Kaihua.

ISC	**X**	**25 02 13 58.7–1.7**	**26.08N–.05**	**101.76E–.08**	**15–12**	**4.1b**	**64**	**1-78**	
ISCJB	X	25 02 13 56.8–1.9	26.12N–.06	101.78E–.08	15–14	4.1b			¶12071050
IDC	X	25 02 13 56.7–.77	26.27N	102.02E	0	4.2,4.0b			
NEIC	X	25 02 13 58.3–.53	26.14N	101.72E	10	4.3b,4.0b			
BJI	X	25 02 13 59.5	26.21N	102.01E	15	4.3b,4.3b			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=10.3km az=22.3.
IDC Error ellipse: s-maj=41.4km s-min=15.9km az=57.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=10.4km az=214.0.

ISC	**XI**	**08 20 37 25.1–.66**	**26.41N–.04**	**103.2E–.10**	**10**	**3.5b**	**25**	**1-68**	
ISCJB	XI	08 20 37 23.6–.68	26.38N–.05	103.2E–.10	10	3.5b			¶12072863
IDC	XI	08 20 37 24.0–.90	26.51N	103.40E	0	3.6,3.5b			
BJI	XI	08 20 37 24.9	26.39N	103.16E	12	3.9b,3.6s			
NEIC	XI	08 20 37 25.7–.79	26.52N	103.31E	10	3.9b,3.6s			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=6.2km az=7.0.
IDC Error ellipse: s-maj=43.5km s-min=16.9km az=65.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=13.1km az=75.0.

IDC	**XI**	**17 20 50 22.0–6.5**	**26.99N**	**100.25E**	**34–57**	**3.3,3.1b**			¶12073909

IDC Error ellipse: s-maj=58.5km s-min=18.3km az=68.0.

ISC	**XII**	**02 00 42 25.9–.36**	**23.76N–.02**	**103.36E–.04**	**10**	**3.7b**	**46**	**1-56**	
ISCJB	XII	02 00 42 23.7–.37	23.76N–.03	103.39E–.04	10	3.7b			¶12075465
PLV	XII	02 00 42 25.3–2.0	23.76N	103.38E	0–15	3.3			
IDC	XII	02 00 42 25.5–.92	23.82N	103.28E	0	4.2L,3.7			
NEIC	XII	02 00 42 26.6–.41	23.82N	103.25E	10	4.0b,3.7			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.2km az=159.7.
PLV Error ellipse: s-maj=12.4km s-min=7.9km az=-1.0.
IDC Error ellipse: s-maj=26.9km s-min=15.7km az=80.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.8km az=98.0.

ISC	**XII**	**23 01 20 38.6–.98**	**23.40N–.06**	**101.6E–.10**	**5–8**	**3.6b**	**17**	**2-54**	
ISCJB	XII	23 01 20 36.7–1.0	23.40N–.07	101.6E–.10	3–9	3.6b			¶12078614
IDC	XII	23 01 20 37.7–1.1	23.39N	101.67E	0	3.7b,3.7			
BJI	XII	23 01 20 38.9	23.45N	101.56E	14	4.3s,4.1L			

ISCJB Error ellipse: s-maj=24.9km s-min=6.6km az=25.9.
IDC Error ellipse: s-maj=32.8km s-min=17.5km az=86.0.

BJI	**XII**	**25 18 19 55.0**	**24.90N**	**103.02E**	**11**	**4.5L,4.3s**			¶12790283

ISC	**XII**	**27 17 33 32.2–.95**	**23.97N–.05**	**101.11E–.08**	**5–8**	**3.5b**	**38**	**2-57**	
PLV	XII	27 17 30 37.5–1.9	23.42N	100.88E	14–16	3.2			¶12079196
IDC	XII	27 17 33 31.7–.96	24.02N	101.09E	0	3.6,3.5L			
NEIC	XII	27 17 33 32.9–.61	23.98N	101.14E	10	3.9b,3.5L			
BJI	XII	27 17 33 36.5	24.32N	101.17E	15	4.2b,4.1b			

ISC Event type se.
PLV Error ellipse: s-maj=78.3km s-min=61.5km az=-1.0.
IDC Error ellipse: s-maj=35.4km s-min=15.9km az=78.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.3km az=96.0.

ISC	**XII**	**29 19 49 52.9–.60**	**22.36N–.06**	**102.18E–.09**	**10**	**3.6b**	**26**	**1-55**	
PLV	XII	29 19 46 49.8–2.7	22.16N	102.10E	8–31	3.0			¶12079441
ISCJB	XII	29 19 49 50.8–.60	22.32N–.06	102.10E–.09	10	3.6b			
IDC	XII	29 19 49 51.6–.99	22.44N	102.30E	0	3.7,3.6b			
NEIC	XII	29 19 49 52.9–.42	22.40N	102.21E	10	3.7,3.6b			

ISC Event type se.
PLV Error ellipse: s-maj=45.7km s-min=32.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=5.5km az=34.7.
IDC Error ellipse: s-maj=26.5km s-min=16.1km az=93.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.3km az=99.0.

IDC	**XII**	**30 13 04 40.4–1.2**	**27.87N**	**100.12E**	**0**	**3.5,3.4b**			¶12079556

IDC Error ellipse: s-maj=74.6km s-min=20.3km az=64.0.

SEISMIC REGION 27.
Southern Xinjiang to Gansu.

(320) Kyrgyzstan-Xinjiang border region.

NNC	**VII**	**06 20 26 09.1–2.8**	**41.96N**	**79.46E**	**0**	**3.6b,3.1**			¶11327910

NNC Error ellipse: s-maj=25.8km s-min=8.7km az=167.0.

ISC	**VII**	**11 06 46 05.6–1.6**	**41.1N–.10**	**78.2E–.20**	**10**		**6**	**2-6**	
BJI	VII	11 06 45 58.4	40.77N	78.36E	7	2.7L			¶11342108
NNC	VII	11 06 46 01.0–2.3	41.11N	78.39E	0	3.1b,2.8			
ISCJB	VII	11 06 46 02.6–1.7	41.0N–.10	78.4E–.20	10	3.1b,2.8			

ISC	**VII**	**12 22 15 05.9–.79**	**40.27N–.06**	**77.62E–.06**	**10**	**3.5b**	**46**	**2-47**	
ISCJB	VII	12 22 15 03.4–.98	40.26N–.07	77.77E–.06	10	3.5b			¶11344714
NNC	VII	12 22 15 03.9–3.8	40.41N	77.72E	0	3.9b,3.6			
BJI	VII	12 22 15 06.2	40.41N	77.46E	24	3.5L,3.3s			
IDC	VII	12 22 15 06.4–2.2	40.45N	77.52E	0	4.1,4.1s			
NEIC	VII	12 22 15 07.2–1.3	40.40N	77.50E	10	3.4b,4.1s			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.3km az=162.7.
NNC Error ellipse: s-maj=39.0km s-min=17.4km az=150.0.
IDC Error ellipse: s-maj=25.0km s-min=15.8km az=173.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=11.5km az=153.0.

NNC	**VII**	**28 13 19 34.0–4.3**	**41.02N**	**79.48E**	**0**	**3.2b,2.9**			
BJI	VII	28 13 19 31.2	40.64N	79.67E	27	3.0L,2.9			¶11362721

NNC Error ellipse: s-maj=42.5km s-min=18.2km az=152.0.

ISC	**VII**	**29 07 04 15.9–1.0**	**40.90N–.06**	**74.1E–.10**	**10**		**12**	**1-3**	¶15025699

ISC	**VII**	**30 20 14 48.6–.83**	**40.40N–.08**	**77.25E–.07**	**10**	**3.5b**	**40**	**1-37**	
NNC	VII	30 20 14 43.0–2.8	39.95N	77.09E	0	3.8b,3.7			¶11377358
BJI	VII	30 20 14 43.9	40.31N	77.33E	15	3.8b,3.7L			
NEIC	VII	30 20 14 45.7–1.4	40.27N	77.24E	10	3.4b,3.7L			
MOS	VII	30 20 14 46.2–2.9	40.22N	77.20E	33	4.1b,3.7L			
ISCJB	VII	30 20 14 47.0–.81	40.45N–.08	77.35E–.07	10	3.5b,3.7L			
IDC	VII	30 20 14 47.6–2.9	40.62N	77.24E	0	3.5b,3.5			

ISC Event type se.
NNC Error ellipse: s-maj=23.7km s-min=17.0km az=131.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=12.3km az=157.0.
MOS Error ellipse: s-maj=26.0km s-min=11.8km az=82.6.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.2km az=173.2.
IDC Error ellipse: s-maj=36.5km s-min=27.2km az=178.0.

ISC	**VIII**	**05 23 08 36.0–1.8**	**40.52N–.09**	**77.5E–.20**	**10**		**11**	**2-6**	
BJI	VIII	05 23 08 23.8	40.31N	78.24E	26	2.8L			¶11391591

ISC	**VIII**	**08 23 56 57.4–.39**	**40.03N–.05**	**76.05E–.10**	**10**	**3.8b**	**56**	**1-77**	
ISCJB	VIII	08 23 56 55.6–.40	39.98N–.05	76.00E–.10	10	3.8b			¶11395932
IDC	VIII	08 23 56 55.6–1.6	39.78N	75.97E	0	3.9,3.7			
NEIC	VIII	08 23 56 56.0–1.1	39.58N	75.98E	10	4.3b,3.7			
NNC	VIII	08 23 56 57.7–7.2	39.92N	75.83E	0	4.1b,3.8			
BJI	VIII	08 23 57 00.5	40.14N	75.91E	30	3.6s,3.6L			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=4.1km az=150.8.
IDC Error ellipse: s-maj=24.8km s-min=20.2km az=27.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=11.1km az=188.0.
NNC Error ellipse: s-maj=86.7km s-min=37.5km az=167.0.

ISC	**VIII**	**10 00 06 00.6–1.9**	**40.31N–.06**	**77.18E–.05**	**15–14**	**3.5b,3.0s**	**42**	**1-77**	
IDC	VIII	10 00 05 55.2–1.8	40.12N	77.34E	0	3.6,3.6			¶11396647
BJI	VIII	10 00 05 57.6	40.31N	77.28E	32	3.8L,3.5s			
ISCJB	VIII	10 00 05 58.6–1.5	40.25N–.06	77.29E–.06	25–10	3.5b,3.0s			
NNC	VIII	10 00 06 02.1–2.9	40.74N	77.07E	1–13	3.8b,3.4			
NEIC	VIII	10 00 06 03.0–1.4	40.39N	77.26E	54–13	3.8b,3.4			

ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=19.7km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=163.3.
NNC Error ellipse: s-maj=23.4km s-min=8.4km az=161.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=10.4km az=150.0.

ISC	**VIII**	**20 19 12 40.2–.78**	**41.90N–.06**	**77.40E–.06**	**10**	**3.4b**	**33**	**1-81**	
NNC	VIII	20 19 12 36.5–.98	41.80N	77.42E	0	4.0b,3.9			¶11457602
ISCJB	VIII	20 19 12 38.0–.79	41.86N–.07	77.51E–.06	10	3.4b,3.9			
IDC	VIII	20 19 12 37.6–1.2	41.81N	77.39E	0	3.6,3.5			
KNET	VIII	20 19 12 39.1–.76	42.04N	77.34E	0–5	3.6L,3.5			

NNC Error ellipse: s-maj=6.9km s-min=4.7km az=176.0.
ISCJB Error ellipse: s-maj=9.4km s-min=6.2km az=178.7.
IDC Error ellipse: s-maj=17.8km s-min=12.1km az=174.0.
KNET Error ellipse: s-maj=8.8km s-min=4.3km az=26.0.

ISC	**VIII**	**21 19 01 14.0–1.7**	**41.15N–.08**	**76.2E–.10**	**10**		**19**	**1-7**	
KNET	VIII	21 19 01 13.9–.44	41.26N	75.96E	0–0	2.8L			¶11477695
NNC	VIII	21 19 01 16.4–3.6	41.26N	75.74E	0	3.5b,3.2			

KNET Error ellipse: s-maj=2.9km s-min=2.1km az=4.0.
NNC Error ellipse: s-maj=24.7km s-min=23.9km az=20.0.

ISC	**VIII**	**21 21 45 44.9–1.3**	**41.97N–.07**	**76.04E–.06**	**10**		**17**	**0-4**	
NNC	VIII	21 21 45 44.0–1.1	41.97N	75.97E	0	3.1b,2.9			¶11477701
KNET	VIII	21 21 45 44.1–.59	42.00N	75.99E	13–10	2.0L,2.9			

NNC Error ellipse: s-maj=6.7km s-min=4.2km az=14.0.
KNET Error ellipse: s-maj=7.5km s-min=4.0km az=97.0.

ISC	**VIII**	**29 07 09 16.1–1.6**	**40.26N–.08**	**77.1E–.10**	**10**		**17**	**1-6**	
BJI	VIII	29 07 09 13.3	40.25N	76.72E	10	2.8L			¶11480207

ISC	**IX**	**01 02 13 21.3–1.5**	**40.25N–.10**	**77.87E–.10**	**10**		**18**	**2-10**	
ISCJB	IX	01 02 13 19.3–1.5	40.26N–.09	78.00E–.09	10				¶11485956
BJI	IX	01 02 13 20.2	40.28N	77.57E	14	3.3L			
NNC	IX	01 02 13 21.0–5.8	40.38N	78.50E	0	4.0b,3.7			

ISCJB Error ellipse: s-maj=14.6km s-min=7.1km az=143.7.
NNC Error ellipse: s-maj=46.5km s-min=22.8km az=169.0.

ISC	**IX**	**06 12 33 48.3–1.7**	**41.5N–.10**	**77.92E–.08**	**10**		**18**	**1-9**	
NNC	IX	06 12 33 53.2–1.6	42.00N	78.28E	0	3.6b,3.2			¶11492186

NNC Error ellipse: s-maj=13.7km s-min=7.7km az=164.0.

ISC	**IX**	**15 23 41 29.7–.66**	**40.64N–.04**	**77.50E–.06**	**10**	**4.0b**	**32**	**2-71**	
NNC	IX	15 23 41 26.1–1.8	40.47N	77.33E	6–5	4.0b,3.7			¶11783672
ISCJB	IX	15 23 41 27.3–.69	40.59N–.05	77.66E–.06	10	4.0b,3.7			
BJI	IX	15 23 41 27.0	40.60N	77.29E	15	3.4L,3.7			
NEIC	IX	15 23 41 28.8–.74	40.55N	77.42E	10	3.8b,3.7			
IDC	IX	15 23 41 29.6–3.7	40.81N	77.11E	0	3.7b,3.5			

ISC Event type se.
NNC Error ellipse: s-maj=14.8km s-min=10.6km az=11.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.2km az=44.7.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.5km az=139.0.
IDC Error ellipse: s-maj=88.9km s-min=22.0km az=137.0.

ISC	**IX**	**21 13 40 52.3–1.9**	**40.3N–.10**	**77.5E–.20**	**10**		**15**	**1-10**	
BJI	IX	21 13 40 46.3	40.25N	77.55E	12	3.2L			¶11514734
ISCJB	IX	21 13 40 49.7–2.0	40.3N–.10	77.8E–.20	10	3.2L			

NNC IX 21 13 40 49.1–3.5 40.27N 77.54E 0 3.7b,3.4
ISCJB Error ellipse: s-maj=21.8km s-min=7.9km az=40.1.
NNC Error ellipse: s-maj=35.9km s-min=24.0km az=164.0.
NNC IX 27 07 25 21.1–2.7 41.87N 78.25E 0 3.5b,3.2 ¶11519313
NNC Error ellipse: s-maj=21.9km s-min=15.3km az=78.0.
ISC IX 27 08 31 39.1–.68 40.99N–.04 75.6E–.10 10 17 1-15
ISCJB IX 27 08 31 37.6–.79 40.95N–.05 75.7E–.10 10 ¶11519320
NNC IX 27 08 31 40.9–13 41.17N 75.61E 0 3.6b,3.3
ISCJB Error ellipse: s-maj=14.6km s-min=6.7km az=176.7.
NNC Error ellipse: s-maj=134.5km s-min=62.1km az=134.0.
ISC X 07 16 43 25.4–.85 41.86N–.04 76.70E–.04 4–5 83 1-25
IDC X 07 16 43 23.4–2.7 41.73N 76.63E 0 3.3,3.3 ¶11710952
NNC X 07 16 43 23.6–1.5 41.75N 76.64E 0 4.0b,3.9
BJI X 07 16 43 24.4 41.94N 76.86E 4 4.6b,4.3b
KNET X 07 16 43 25.5–.42 41.79N 76.55E 13–2 3.7L,4.3b
NEIC X 07 16 43 26.9–2.3 41.99N 76.53E 8–13 3.7L,4.3b
MOS X 07 16 43 29.8–1.2 42.13N 76.59E 42 4.0b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=11.3km az=0.0.
NNC Error ellipse: s-maj=9.8km s-min=7.1km az=179.0.
KNET Error ellipse: s-maj=3.0km s-min=2.7km az=15.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=8.4km az=159.0.
MOS Error ellipse: s-maj=11.5km s-min=8.4km az=102.0.
ISC X 12 20 27 32.1–1.9 41.5N–.10 79.1E–.10 10 13 2-6
NNC X 12 20 27 29.8–1.5 41.60N 79.16E 0 3.6b,3.2 ¶11748685
NNC Error ellipse: s-maj=12.7km s-min=4.9km az=168.0.
ISC X 25 17 21 31.5–2.8 40.0N–.10 77.2E–.20 10 13 2-6
NNC X 25 17 21 30.3–1.5 40.05N 76.96E 0 3.8b,3.5 ¶11711396
NNC Error ellipse: s-maj=12.4km s-min=10.2km az=101.0.
NNC XI 02 03 24 02.6–1.9 42.46N 80.76E 0 3.7b,3.4 ¶11749881
NNC Error ellipse: s-maj=18.3km s-min=6.7km az=147.0.
ISC XI 18 00 15 14.6–1.8 40.04N–.06 76.82E–.07 12–12 3.7b 51 1-74
NEIC XI 18 00 15 12.3–.89 39.57N 76.64E 35 3.5b ¶11711846
IDC XI 18 00 15 12.4–3.2 40.02N 76.86E 0 3.7b,3.7
BJI XI 18 00 15 14.5 40.23N 76.64E 11 3.4L,3.7
NNC XI 18 00 15 18.5–1.4 40.36N 76.44E 0 3.9b,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.5km az=158.0.
IDC Error ellipse: s-maj=42.3km s-min=25.6km az=172.0.
NNC Error ellipse: s-maj=12.7km s-min=9.0km az=149.0.
BJI XI 23 01 27 14.2 40.08N 77.56E 11 2.7L
NNC XI 23 01 27 15.7–5.0 40.04N 77.71E 0 3.8b,3.4 ¶11751071
NNC Error ellipse: s-maj=45.0km s-min=31.9km az=106.0.
ISC XII 03 02 16 33.7–2.0 40.87N–.06 77.8E–.20 10 17 2-6
BJI XII 03 02 16 28.2 40.97N 77.33E 28 2.8L ¶11712067
NNC XII 03 02 16 36.4–14 40.99N 77.90E 0 3.8b,3.4
NNC Error ellipse: s-maj=111.0km s-min=77.3km az=126.0.
ISC XII 15 07 29 12.5–3.3 40.4N–.20 76.6E–.20 10 15 2-14
NNC XII 15 07 29 01.5–2.3 39.70N 76.98E 0 3.7b,3.3 ¶12077552
NNC Error ellipse: s-maj=23.9km s-min=14.0km az=172.0.
ISC XII 15 11 15 26.4–.57 41.66N–.05 79.74E–.05 10 3.5b 84 3-82
IDC XII 15 11 15 23.6–.92 41.55N 79.44E 0 3.8L,3.8 ¶11712248
ISCJB XII 15 11 15 24.3–.57 41.64N–.05 79.77E–.05 10 3.5b,3.8
MOS XII 15 11 15 27.6–1.3 41.71N 79.57E 33 4.1b,3.8
NEIC XII 15 11 15 29.4–.75 41.68N 79.52E 35 4.1b,3.8
BJI XII 15 11 15 29.4 41.65N 79.89E 20 3.6L,3.8
NNC XII 15 11 15 30.1–1.9 42.26N 79.42E 0 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=16.7km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.2km az=141.0.
MOS Error ellipse: s-maj=15.8km s-min=8.1km az=103.4.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.9km az=166.0.
NNC Error ellipse: s-maj=19.0km s-min=7.5km az=159.0.

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ISC VII 01 09 24 30.1–.37 38.17N–.03 75.83E–.09 131–6 3.8b 66 1-82
IDC VII 01 09 24 24.4–6.5 37.96N 75.90E 86–55 3.7L,3.7b ¶13379023
ISCJB VII 01 09 24 29.1–.41 38.18N–.03 75.79E–.09 136–6 3.8b,3.7b
NEIC VII 01 09 24 29.1–1.8 38.09N 75.82E 126–12 3.8b,3.7b
BJI VII 01 09 24 37.0 38.50N 76.49E 15 3.4L,3.7b
NNC VII 01 09 24 39.5–5.1 38.93N 75.45E 168–47 4.0,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=27.4km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=3.9km az=159.1.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=11.9km az=177.0.
NNC Error ellipse: s-maj=56.8km s-min=24.5km az=7.0.
ISC VII 04 02 51 46.6–.38 35.13N–.03 81.14E–.07 10 4.0b,3.0s 65 4-147
ISCJB VII 04 02 51 45.0–.36 35.14N–.03 81.05E–.06 10 4.0b,3.0s ¶11479843
IDC VII 04 02 51 44.2–.76 35.04N 81.06E 0 4.0,3.8
NEIC VII 04 02 51 46.0–.46 35.02N 81.06E 10 3.8b,3.8
BJI VII 04 02 51 48.4 35.18N 81.20E 13 4.4b,4.3b
MOS VII 04 02 51 48.2–1.8 35.05N 80.97E 35 4.2b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.0km az=13.5.
IDC Error ellipse: s-maj=24.5km s-min=15.3km az=52.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.4km az=51.0.
MOS Error ellipse: s-maj=15.4km s-min=8.4km az=110.0.
ISC VII 05 01 39 31.3–.35 35.26N–.02 81.23E–.03 37–4 4.5b,4.1s 246 5-147
SZGRF VII 05 01 39 21.2 34.35N 82.14E 33 4.6b,4.1s ¶13388217
LDG VII 05 01 39 25.8–.55 35.35N 80.90E 10–0 4.9b,3.9s
IDC VII 05 01 39 25.8–.63 35.17N 81.23E 0 4.4,4.3
ISCJB VII 05 01 39 26.9–.87 35.23N–.02 81.15E–.03 18–6 4.5b,4.1s
NEIC VII 05 01 39 26.9–.32 35.16N 81.18E 10 4.7b,4.1s
BJI VII 05 01 39 27.7 35.31N 81.36E 15 4.7b,4.6L
MOS VII 05 01 39 29.3–1.3 35.27N 81.10E 33 4.8b,4.1s
ISC Event type ke.
SZGRF Xizang.
LDG Event type ke. Error ellipse: s-maj=23.2km s-min=6.3km az=143.0.
IDC Error ellipse: s-maj=19.3km s-min=12.8km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=140.2.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.1km az=214.0.
MOS Error ellipse: s-maj=8.6km s-min=4.2km az=116.3.
ISC VII 05 18 01 09.1–3.7 38.8N–.30 79.7E–.20 10 13 3-8
BJI VII 05 18 01 29.5 40.75N 77.45E 20 3.1L ¶11327875
NNC VII 05 18 01 43.1–12 40.89N 78.56E 0 3.9b,3.6
NNC Error ellipse: s-maj=116.1km s-min=93.2km az=3.0.
ISC VII 07 21 59 03.9–2.0 40.0N–.10 79.6E–.10 35 15 3-11
BJI VII 07 21 59 04.5 40.30N 78.47E 15 3.4L ¶11330206
NNC VII 07 21 59 11.6–3.7 40.86N 79.86E 0 3.9b,3.5
NNC Error ellipse: s-maj=37.7km s-min=22.0km az=8.0.
ISC VII 09 09 49 53.7–1.9 39.6N–.10 75.2E–.10 10 12 1-4 ¶15025591
ISC VII 09 16 04 24.0–.47 35.43N–.03 81.45E–.04 46–5 4.2b,3.8s 120 5-147
IDC VII 09 16 04 16.7–.65 35.20N 81.39E 0 4.3,4.2b ¶13388584
NEIC VII 09 16 04 20.1–2.5 35.26N 81.57E 26–17 4.4b,4.2b
BJI VII 09 16 04 20.1 35.43N 81.26E 20 4.5L,4.4b
MOS VII 09 16 04 20.3–1.3 35.38N 81.41E 33 4.4b,4.4b
ISCJB VII 09 16 04 21.1–.68 35.42N–.03 81.41E–.05 35–7 4.2b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 09 16 06 09.6–4.6 35.3N–.10 81.4E–.10 27–31 4.0b 20 16-83
IDC VII 09 16 06 05.4–.87 35.13N 81.36E 0 4.1,3.9 ¶13388585
NEIC VII 09 16 06 07.7–1.5 35.25N 81.27E 10 3.9b,3.9
ISCJB VII 09 16 06 08.7–.72 35.3N–.10 81.3E–.10 33 4.0b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 09 20 56 20.9–3.0 36.2N–.20 82.0E–.10 10–24 10 6-21
IDC VII 09 20 56 18.8–6.2 36.15N 81.96E 0 3.2,3.2 ¶12698104
IDC Error ellipse: s-maj=81.1km s-min=31.4km az=30.0.
ISC VII 17 16 12 21.3–2.8 35.67N–.06 81.64E–.08 14–19 3.6b 27 6-77
BJI VII 17 16 12 13.7 35.16N 81.76E 18 4.1L ¶11480031
IDC VII 17 16 12 19.1–.98 35.56N 81.51E 0 3.9,3.7b
NEIC VII 17 16 12 21.1–5.3 35.67N 81.58E 14–35 3.6b,3.7b
ISCJB VII 17 16 12 22.4–.64 35.74N–.06 81.60E–.08 33 3.6b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 17 16 34 36.9–.25 35.73N–.03 81.67E–.05 10 4.3b 90 6-147
LDG VII 17 16 34 34.7–.12 35.64N 81.60E 10–0 4.6b ¶11163172
ISCJB VII 17 16 34 34.6–.24 35.73N–.03 81.67E–.05 10 4.3b
IDC VII 17 16 34 34.6–.72 35.59N 81.62E 0 4.2,4.0b
BJI VII 17 16 34 37.0 35.80N 81.74E 14 4.6b,4.5b
NEIC VII 17 16 34 40.2–.36 35.72N 81.82E 40 4.5b,4.5b
NNC VII 17 16 34 43.0–9.6 36.36N 81.22E 0 4.0b,4.5b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=149.0.
IDC Error ellipse: s-maj=26.1km s-min=13.0km az=51.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.0km az=222.0.
NNC Error ellipse: s-maj=125.0km s-min=42.7km az=135.0.
ISC VII 17 23 55 01.8–3.4 36.39N–.09 81.62E–.09 8–22 3.3b 24 5-89
IDC VII 17 23 55 00.4–6.2 36.35N 81.63E 0 3.3,3.3 ¶11480035
ISCJB VII 17 23 55 01.1–2.9 36.48N–.08 81.59E–.09 12–19 3.3b,3.3
NEIC VII 17 23 55 02.0–.51 36.39N 81.58E 10 3.9b,3.3
BJI VII 17 23 55 05.3 36.79N 81.36E 20 3.5L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=91.2km s-min=35.7km az=9.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=8.3km az=36.9.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.6km az=220.0.
ISC VII 18 12 47 05.5–.14 37.79N–.02 87.15E–.02 10 4.8b,4.4s 395 6-149
NNC VII 18 12 47 02.3–2.9 37.95N 87.54E 0 4.9b,4.4s ¶13389499
LDG VII 18 12 47 02.3–.18 37.73N 87.16E 10–0 5.0b,4.4s
IDC VII 18 12 47 03.1–.56 37.74N 87.24E 0 4.7,4.6
ISCJB VII 18 12 47 03.6–.14 37.76N–.02 87.08E–.02 10 4.8b,4.4s
BJI VII 18 12 47 03.2 37.86N 87.12E 10 5.2L,4.9s
NEIC VII 18 12 47 05.3–.19 37.74N 87.09E 10 5.0b,4.6s
MOS VII 18 12 47 06.6–1.1 37.76N 87.12E 33 5.1b,4.3s
GCMT VII 18 12 47 06.3–.30 37.85N 87.26E 20–1 4.9W,4.3s
SZGRF VII 18 12 47 13.4 38.23N 86.63E 33 4.8b,4.6s
ISC Event type ke.
NNC Error ellipse: s-maj=35.5km s-min=27.1km az=61.0.
LDG Event type ke. Error ellipse: s-maj=8.4km s-min=3.7km az=101.0.
IDC Error ellipse: s-maj=19.0km s-min=11.8km az=27.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=30.1.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=18.0.
MOS Error ellipse: s-maj=7.1km s-min=4.2km az=119.3.
GCMT Event type se. Data Used: IU IC II CN G. Moment Tensor Solution. s18,c21; s81,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}0.64±.16 $M_{\theta\theta}$-3.53±.12; $M_{\phi\phi}$2.88±.12; $M_{r\theta}$0.23±.20; $M_{\theta\phi}$0.38±.09; $M_{\phi r}$-0.73±.25; Best double couple: NP1:ϕ_s229.00000°,δ76.00000°,λ9.00000°. NP2:ϕ_s137.00000°,δ81.00000°,λ166.00000°. Principal axes: T 3.1100,Plg16.0000° ,Azm93.0000°; N 0.4500,Plg73.0000°,Azm287.0000°; P -3.5700,Plg4.0000°,Azm184.0000° M_o3.30000×10^{16}
SZGRF Southern Xinjiang, China.
ISC VII 18 15 43 04.7–3.3 37.8N–.10 87.8E–.20 13–21 7 6-23
BJI VII 18 15 43 06.2 37.81N 87.19E 13 3.7L,3.7b ¶11358835
BJI VII 18 23 30 20.9 37.63N 87.13E 19 3.5L ¶11480047
ISC VII 19 00 15 04.9–.32 38.21N–.02 75.09E–.06 131–6 4.0b 71 1-45
ISCJB VII 19 00 15 04.2–.35 38.23N–.02 75.11E–.06 141–7 4.0b ¶13389537
BJI VII 19 00 15 05.7 38.26N 74.94E 116 4.3b
NEIC VII 19 00 15 05.7–.96 38.23N 75.03E 135–6 4.0b
IDC VII 19 00 15 08.1–7.1 38.47N 74.89E 138–47 3.7b,3.6
NNC VII 19 00 15 10.4–4.5 38.80N 73.99E 0 4.1b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=3.9km az=171.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=7.3km az=133.0.
IDC Error ellipse: s-maj=62.0km s-min=42.3km az=3.0.
NNC Error ellipse: s-maj=53.1km s-min=34.4km az=55.0.
ISC VII 22 04 35 06.1–2.4 35.2N–.20 81.0E–.20 46–28 3.4b 8 6-74
IDC VII 22 04 35 00.1–3.9 35.17N 81.03E 0 3.7,3.6L ¶12698375
IDC Error ellipse: s-maj=125.8km s-min=25.7km az=66.0.
ISC VII 23 12 23 00.9–.86 41.74N–.07 81.2E–.10 10 4.0b 14 4-81
IDC VII 23 12 22 57.5–1.5 41.73N 81.29E 0 3.6b,3.5 ¶11360896
NNC VII 23 12 22 58.0–3.1 41.80N 81.48E 0 3.9b,3.5
ISCJB VII 23 12 22 59.3–.85 41.77N–.06 81.25E–.10 10 4.0b,3.5
BJI VII 23 12 22 59.5 41.68N 81.48E 19 3.3L,3.5
IDC Error ellipse: s-maj=20.4km s-min=17.9km az=150.0.
NNC Error ellipse: s-maj=32.6km s-min=13.2km az=135.0.
ISCJB Error ellipse: s-maj=12.5km s-min=6.4km az=38.7.
ISC VII 24 15 22 00.9–.43 41.77N–.04 81.36E–.04 10 3.9b,3.4s 83 4-81
IDC VII 24 15 21 58.9–.84 41.75N 81.30E 0 4.0b,4.0 ¶13389991
ISCJB VII 24 15 21 58.9–.43 41.76N–.04 81.36E–.04 10 3.9b,3.4s
BJI VII 24 15 22 02.9 41.68N 81.29E 54 4.4b,4.4b
MOS VII 24 15 22 02.6–1.5 41.85N 81.19E 33 4.2b,4.4b
NNC VII 24 15 22 03.5–3.7 41.94N 81.36E 11–17 4.3b,4.1
NEIC VII 24 15 22 05.4–.79 41.89N 81.21E 46–9 3.9b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=13.4km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.7km az=163.8.
MOS Error ellipse: s-maj=12.1km s-min=6.7km az=107.0.
NNC Error ellipse: s-maj=27.9km s-min=14.6km az=135.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.5km az=187.0.
ISC VII 29 00 28 52.9–1.1 35.35N–.08 81.22E–.09 10 3.6b 26 6-50
IDC VII 29 00 28 49.3–2.8 35.11N 81.00E 0 3.6,3.5 ¶11480167
ISCJB VII 29 00 28 51.7–1.1 35.46N–.08 81.12E–.09 10 3.6b,3.5
BJI VII 29 00 28 52.4 35.29N 81.43E 22 3.9b,3.6L
NEIC VII 29 00 28 52.6–1.3 35.32N 81.20E 10 3.4b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=39.5km s-min=34.3km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=10.4km az=155.8.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=11.0km az=163.0.
ISC VII 29 13 40 59.5–1.1 41.69N–.02 81.38E–.03 19–7 4.3b,3.3s 177 4-98
LDG VII 29 13 40 54.5–.13 41.44N 81.33E 10–0 4.5b,3.2s ¶13390373
IDC VII 29 13 40 56.4–.68 41.67N 81.33E 0 4.4,4.3b
BJI VII 29 13 40 58.7 41.66N 81.47E 20 4.7b,4.4b
ISCJB VII 29 13 40 59.7–.51 41.69N–.03 81.38E–.04 38–5 4.3b,3.3s
MOS VII 29 13 40 59.6–1.1 41.76N 81.34E 33 4.6b,3.3s
NNC VII 29 13 41 01.1–8.1 41.89N 81.28E 6–37 4.7b,4.3
NEIC VII 29 13 41 01.6–1.1 41.75N 81.37E 34–8 4.5b,4.3
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=150.0.
IDC Error ellipse: s-maj=13.3km s-min=11.1km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=44.2.
MOS Error ellipse: s-maj=8.9km s-min=5.2km az=115.8.
NNC Error ellipse: s-maj=46.6km s-min=14.6km az=144.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.8km az=55.0.
ISC VII 30 20 22 36.6–2.9 40.1N–.10 78.4E–.20 10 9 2-4 ¶15025707
ISC VII 31 13 22 47.0–2.5 40.12N–.09 78.1E–.20 10 12 2-6 ¶15025711
ISC VII 31 23 49 03.0–.89 41.64N–.04 81.24E–.04 8–6 3.8b 69 4-81
IDC VII 31 23 49 01.9–1.0 41.65N 81.25E 0 3.9b,3.8 ¶13390545
BJI VII 31 23 49 03.5 41.51N 81.58E 26 3.6L,3.8
NEIC VII 31 23 49 03.1–.42 41.66N 81.24E 10 3.8b,3.8
MOS VII 31 23 49 03.2–1.1 41.68N 81.23E 27 4.2b,3.8
ISCJB VII 31 23 49 03.1–1.3 41.68N–.04 81.24E–.07 25–11 3.8b,3.8
NNC VII 31 23 49 09.4–3.6 42.11N 81.19E 11–20 3.9b,3.6
ISC Event type se.

IDC Error ellipse: s-maj=17.4km s-min=13.1km az=69.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.7km az=168.0.
MOS Error ellipse: s-maj=13.2km s-min=8.1km az=99.5.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.9km az=16.2.
NNC Error ellipse: s-maj=26.4km s-min=16.5km az=151.0.

ISC	**VIII**	**02 12 53 14.9–1.2**	**35.6N–.10**	**81.6E–.20**	**10**		**10**	**6-23**
BJI	VIII	02 12 53 07.4	34.88N	81.45E	12	3.7L		¶11652760
ISCJB	VIII	02 12 53 13.3–1.2	35.6N–.10	81.5E–.20	10	3.7L		
IDC	VIII	02 12 53 13.3–3.9	35.48N	81.34E	0	3.6,3.4L		
NEIC	VIII	02 12 53 14.9–1.2	35.54N	81.42E	10	3.5b,3.4L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.3km s-min=12.5km az=44.6.
IDC Error ellipse: s-maj=124.9km s-min=26.3km az=65.0.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=13.8km az=57.0.

IDC	**VIII**	**03 13 57 56.9–6.2**	**41.67N**	**84.66E**	**0**	**3.5,3.5**		
BJI	VIII	03 13 57 53.2	41.12N	83.43E	16	3.4L,3.5		¶11652781

IDC Error ellipse: s-maj=97.3km s-min=55.0km az=77.0.

ISC	**VIII**	**05 01 35 44.2–.88**	**39.27N–.07**	**74.17E–.06**	**10**	**3.7b**	**46**	**1-71**
ISCJB	VIII	05 01 35 42.0–.86	39.25N–.07	74.15E–.06	10	3.7b		¶13390886
IDC	VIII	05 01 35 43.7–1.4	39.37N	74.32E	0	3.8b,3.8		
NNC	VIII	05 01 35 50.2–3.0	39.79N	73.66E	0	3.8b,3.5		
NEIC	VIII	05 01 35 50.4–1.1	39.39N	74.38E	53–10	3.8b,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.8km az=15.9.
IDC Error ellipse: s-maj=21.7km s-min=16.2km az=131.0.
NNC Error ellipse: s-maj=27.3km s-min=16.4km az=15.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=9.5km az=129.0.

ISC	**VIII**	**05 06 24 54.3–2.7**	**38.6N–.20**	**75.2E–.10**	**10**		**12**	**1-15**
								¶15206810
ISC	**VIII**	**06 20 35 20.4–2.0**	**35.4N–.10**	**81.6E–.10**	**10**	**3.3b**	**9**	**6-37**
IDC	VIII	06 20 35 16.3–9.9	35.29N	81.02E	0	3.3,3.3		¶11652824
NEIC	VIII	06 20 35 24.4–2.9	35.80N	81.48E	10	3.5b,3.3		
BJI	VIII	06 20 35 24.5	35.89N	81.59E	15	3.6L,3.5s		

ISC Event type se.
IDC Error ellipse: s-maj=141.7km s-min=57.7km az=54.0.
NEIC Event type se. Error ellipse: s-maj=41.0km s-min=14.8km az=182.0.

ISC	**VIII**	**06 22 41 36.6–.72**	**40.73N–.05**	**78.48E–.04**	**10**	**4.4b**	**44**	**2-33**
ISCJB	VIII	06 22 41 34.0–.72	40.75N–.05	78.42E–.04	10	4.4b		¶11391623
BJI	VIII	06 22 41 36.1	40.85N	78.78E	7	3.4L		
NEIC	VIII	06 22 41 36.7–.59	40.58N	78.77E	10	3.4L		
IDC	VIII	06 22 41 41.6–3.0	41.00N	79.08E	0	3.4b,3.4		
NNC	VIII	06 22 41 48.3–2.5	41.33N	79.31E	0	3.7b,3.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.4km az=7.7.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=8.4km az=169.0.
IDC Error ellipse: s-maj=32.5km s-min=21.5km az=165.0.
NNC Error ellipse: s-maj=21.4km s-min=16.2km az=174.0.

BJI	**VIII**	**07 15 56 54.0**	**37.65N**	**78.39E**	**20**	**3.8b,3.4L**		
								¶11395875
BJI	**VIII**	**07 23 46 16.5**	**39.74N**	**77.97E**	**12**	**3.5L**		
								¶11395882
ISC	**VIII**	**08 18 56 47.5–.40**	**35.56N–.04**	**81.73E–.09**	**10**	**3.7b**	**35**	**6-83**
BJI	VIII	08 18 56 41.1	35.07N	81.88E	26	4.1L,3.8s		¶11652857
IDC	VIII	08 18 56 42.8–.97	35.25N	81.55E	0	3.9,3.8		
ISCJB	VIII	08 18 56 44.6–.39	35.56N–.04	81.74E–.09	10	3.7b,3.8		
NEIC	VIII	08 18 56 46.9–4.8	35.35N	81.67E	28–34	3.7b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=20.8km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=4.3km az=158.5.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=10.9km az=145.0.

ISC	**VIII**	**09 00 19 00.7–.37**	**35.21N–.04**	**81.36E–.09**	**10**	**3.6b,3.2s**	**36**	**6-82**
IDC	VIII	09 00 18 57.5–1.0	35.02N	81.00E	0	3.9,3.8L		¶11652859
ISCJB	VIII	09 00 18 58.3–.36	35.20N–.04	81.37E–.09	10	3.6b,3.2s		
BJI	VIII	09 00 18 59.6	35.22N	81.37E	6	4.4b,4.1L		
NEIC	VIII	09 00 19 00.5–.71	35.21N	81.43E	10	3.9b,4.1L		

ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=18.6km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=4.6km az=157.7.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.4km az=50.0.

ISC	**VIII**	**10 00 27 48.8–1.6**	**35.4N–.10**	**81.3E–.20**	**10**	**3.3b**	**15**	**6-74**
ISCJB	VIII	10 00 27 47.2–1.9	35.5N–.10	81.3E–.20	10	3.3b		¶11652868
IDC	VIII	10 00 27 47.6–2.3	35.37N	81.00E	0	3.5,3.5		
NEIC	VIII	10 00 27 48.2–1.7	35.26N	81.16E	10	3.5,3.5		
BJI	VIII	10 00 27 50.2	35.49N	81.57E	17	3.9L,3.4s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=11.8km az=24.0.
IDC Error ellipse: s-maj=44.6km s-min=27.1km az=121.0.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=17.7km az=161.0.

ISC	**VIII**	**11 00 55 08.7–4.0**	**39.4N–.30**	**75.6E–.20**	**8–51**		**16**	**3-5**
NNC	VIII	11 00 55 08.4–2.5	39.46N	75.19E	0	3.8b,3.4		¶11415071

NNC Error ellipse: s-maj=25.3km s-min=11.1km az=145.0.

ISC	**VIII**	**11 14 10 18.7–.29**	**35.15N–.03**	**81.24E–.03**	**10**	**4.1b,3.8s**	**131**	**5-86**
ISCJB	VIII	11 14 10 16.2–.29	35.03N–.04	81.21E–.03	10	4.1b,3.8s		¶13391413
LDG	VIII	11 14 10 16.4–.42	35.02N	80.98E	10–0	4.8b,3.6s		
IDC	VIII	11 14 10 17.4–.74	35.17N	81.13E	0	4.1,4.0		
BJI	VIII	11 14 10 17.4	35.04N	81.21E	15	4.9L,4.6b		
NEIC	VIII	11 14 10 18.5–.43	35.05N	81.16E	10	4.4b,3.8s		
MOS	VIII	11 14 10 20.6–1.1	35.20N	81.10E	33	4.4b,3.8s		
NNC	VIII	11 14 10 24.8–4.9	35.88N	82.19E	0	4.8,4.2b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=3.8.
LDG Event type ke. Error ellipse: s-maj=22.1km s-min=7.3km az=164.0.
IDC Error ellipse: s-maj=19.9km s-min=14.3km az=33.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.4km az=207.0.
MOS Error ellipse: s-maj=11.2km s-min=5.8km az=114.9.
NNC Error ellipse: s-maj=48.0km s-min=42.9km az=163.0.

ISC	**VIII**	**13 23 00 04.3–2.4**	**35.8N–.10**	**81.7E–.20**	**36–20**	**3.8b**	**18**	**6-74**
IDC	VIII	13 22 59 59.7–6.0	35.72N	81.56E	0	3.7b,3.5		¶11652919
NEIC	VIII	13 23 00 00.0–1.8	35.62N	81.72E	10	4.0b,3.5		
BJI	VIII	13 23 00 03.9	35.82N	81.34E	10	3.3L,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=147.4km s-min=32.9km az=113.0.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=13.3km az=131.0.

IDC	**VIII**	**18 10 00 26.1–42**	**36.10N**	**81.88E**	**0**	**3.5,3.5**		
								¶12581167

IDC Error ellipse: s-maj=582.8km s-min=64.9km az=39.0.

ISC	**VIII**	**18 17 46 16.1–1.1**	**35.12N–.07**	**81.37E–.07**	**37–10**	**4.0b,3.1s**	**50**	**6-147**
IDC	VIII	18 17 46 10.3–.68	35.00N	81.23E	0	4.2,4.0		¶11652985
ISCJB	VIII	18 17 46 12.1–2.7	35.14N–.07	81.34E–.07	20–20	4.1b,3.1s		
NEIC	VIII	18 17 46 12.2–.48	35.03N	81.30E	10	4.0b,3.1s		
BJI	VIII	18 17 46 17.4	35.42N	81.62E	14	4.4b,4.2L		

ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=14.5km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=8.7km az=33.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.6km az=51.0.

ISC	**VIII**	**21 18 09 40.1–1.2**	**40.31N–.10**	**79.29E–.07**	**10**	**3.8b**	**35**	**3-40**
ISCJB	VIII	21 18 09 37.9–1.2	40.33N–.09	79.31E–.06	10	3.8b		¶11477693
IDC	VIII	21 18 09 39.0–2.2	40.37N	79.20E	0	3.6,3.5b		
BJI	VIII	21 18 09 42.8	40.76N	78.58E	13	3.2L,3.5b		
NNC	VIII	21 18 09 45.7–3.6	40.94N	78.83E	0	4.1b,3.8		
NEIC	VIII	21 18 09 45.7–3.1	40.58N	78.99E	43–20	4.1b,3.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=6.9km az=174.0.
IDC Error ellipse: s-maj=32.3km s-min=19.2km az=149.0.
NNC Error ellipse: s-maj=37.7km s-min=19.9km az=6.0.
NEIC Event type se. Error ellipse: s-maj=39.9km s-min=10.4km az=161.0.

ISC	**VIII**	**22 14 10 23.2–.34**	**41.99N–.03**	**83.90E–.04**	**10**	**4.2b,3.8s**	**111**	**3-132**
NNC	VIII	22 14 10 21.0–2.2	41.86N	83.95E	1–9	4.7,4.5b		¶13392330
IDC	VIII	22 14 10 21.7–.63	42.04N	83.85E	0	4.2,4.1b		
ISCJB	VIII	22 14 10 21.3–.35	41.96N–.04	83.84E–.05	10	4.2b,3.8s		
NEIC	VIII	22 14 10 22.9–.44	42.02N	83.84E	10	4.5b,3.8s		

BJI	VIII	22 14 10 23.0	41.92N	83.80E	15	4.8b,4.6s		
MOS	VIII	22 14 10 24.9–.80	42.02N	83.84E	35	4.5b,4.6s		

ISC Event type se.
NNC Error ellipse: s-maj=17.8km s-min=10.6km az=111.0.
IDC Error ellipse: s-maj=17.1km s-min=11.3km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.9km az=44.8.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.7km az=49.0.
MOS Error ellipse: s-maj=14.8km s-min=7.3km az=114.1.

ISC	**VIII**	**24 10 22 20.8–.79**	**35.13N–.08**	**81.4E–.10**	**10**	**3.5b**	**9**	**6-74**
IDC	VIII	24 10 22 17.9–1.1	35.01N	81.04E	0	3.7,3.6b		¶12581343
ISCJB	VIII	24 10 22 18.9–.78	35.13N–.08	81.3E–.10	10	3.5b,3.6b		
BJI	**VIII**	**24 21 49 58.8**	**35.53N**	**81.81E**	**9**	**4.1b,4.0L**		
								¶11653073

ISC	**VIII**	**26 21 49 20.2–.63**	**38.30N–.04**	**75.16E–.08**	**121–7**	**3.8b**	**46**	**1-49**
BJI	VIII	26 21 49 18.5	38.21N	75.32E	115	3.8b		¶11477833
ISCJB	VIII	26 21 49 19.2–.67	38.31N–.04	75.13E–.07	125–8	3.8b		
NEIC	VIII	26 21 49 19.3–.94	38.24N	75.27E	114–7	3.9b		
NNC	VIII	26 21 49 22.8–3.4	38.46N	75.02E	108–45	3.3,2.8b		
IDC	VIII	26 21 49 23.8–6.8	38.54N	75.49E	140–45	3.4b,3.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.4km az=15.8.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.5km az=145.0.
NNC Error ellipse: s-maj=28.8km s-min=20.5km az=172.0.
IDC Error ellipse: s-maj=59.5km s-min=23.8km az=9.0.

ISC	**VIII**	**27 06 38 26.4–2.2**	**39.96N–.08**	**77.3E–.10**	**10**		**11**	**1-6**
BJI	VIII	27 06 38 17.2	39.62N	77.54E	13	3.8L,3.6s		¶11477844
ISC	**VIII**	**27 19 17 26.8–.87**	**37.22N–.07**	**88.6E–.20**	**10**	**3.4b**	**18**	**7-74**
BJI	VIII	27 19 17 25.4	36.92N	88.17E	14	3.9L,3.4s		¶11653106
IDC	VIII	27 19 17 25.9–1.3	37.09N	88.75E	0	3.5,3.4L		
NEIC	VIII	27 19 17 26.4–.97	37.12N	88.41E	10	3.5,3.4L		

ISC Event type se.
IDC Error ellipse: s-maj=62.4km s-min=15.9km az=63.0.
NEIC Event type se. Error ellipse: s-maj=29.1km s-min=11.4km az=66.0.

ISC	**VIII**	**29 22 27 20.1–2.7**	**40.2N–.30**	**93.3E–.20**	**10**		**8**	**5-10**
BJI	VIII	29 22 27 13.9	39.40N	92.71E	15	3.7L		¶11480251
ISC	**IX**	**02 17 28 20.9–.86**	**36.2N–.10**	**86.9E–.20**	**10**		**13**	**11-74**
BJI	IX	02 17 28 16.6	35.79N	87.06E	11	3.9L		¶11909293
ISCJB	IX	02 17 28 18.4–.86	36.2N–.10	86.8E–.20	10	3.9L		
IDC	IX	02 17 28 19.9–1.7	36.18N	86.96E	0	3.5,3.4L		
NEIC	IX	02 17 28 20.9–.77	36.23N	86.94E	10	3.6b,3.4L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.0km s-min=9.6km az=153.7.
IDC Error ellipse: s-maj=60.8km s-min=18.7km az=66.0.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=8.5km az=63.0.

ISC	**IX**	**03 05 13 52.7–1.6**	**41.88N–.08**	**80.2E–.10**	**10**		**8**	**3-9**
ISCJB	IX	03 05 13 49.1–1.6	41.79N–.07	80.2E–.10	10			¶11486026
BJI	IX	03 05 13 50.2	41.70N	80.17E	17	3.3L		
NNC	IX	03 05 13 52.7–2.0	42.00N	80.03E	0–11	3.9b,3.5		

ISCJB Error ellipse: s-maj=14.6km s-min=6.5km az=41.4.
NNC Error ellipse: s-maj=15.7km s-min=5.9km az=156.0.

ISC	**IX**	**03 23 35 11.3–.36**	**38.15N–.03**	**75.39E–.06**	**111–6**	**3.6b**	**68**	**1-82**
IDC	IX	03 23 35 08.8–4.8	38.01N	75.34E	87–43	3.6b,3.5		¶11486070
ISCJB	IX	03 23 35 11.0–.38	38.24N–.02	75.51E–.06	123–7	3.6b,3.5		
BJI	IX	03 23 35 12.2	38.30N	75.51E	131	3.6b,3.5		
NEIC	IX	03 23 35 12.5–1.4	38.27N	75.37E	119–12	3.4b,3.5		
NNC	IX	03 23 35 14.4–2.9	38.61N	74.99E	0	3.8b,3.5		

ISC Event type se.
IDC Error ellipse: s-maj=39.5km s-min=20.1km az=16.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=3.8km az=168.4.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=12.4km az=130.0.
NNC Error ellipse: s-maj=23.1km s-min=16.2km az=152.0.

ISC	**IX**	**05 07 26 41.9–.63**	**41.63N–.07**	**88.35E–.09**	**10**	**3.7b**	**19**	**2-81**
ISCJB	IX	05 07 26 39.4–.63	41.72N–.09	88.4E–.10	10	3.7b		¶11492121
BJI	IX	05 07 26 41.8	41.66N	88.34E	14	3.6L		
IDC	IX	05 07 26 47.1–3.6	42.35N	89.05E	71–35	3.5b,3.5		
NNC	IX	05 07 26 49.1–5.2	42.36N	87.96E	0	3.6b,3.2		

ISCJB Error ellipse: s-maj=15.8km s-min=6.5km az=39.5.
IDC Error ellipse: s-maj=42.3km s-min=22.2km az=51.0.
NNC Error ellipse: s-maj=41.6km s-min=37.5km az=88.0.

ISC	**IX**	**09 02 39 42.9–5.2**	**39.4N–.40**	**77.7E–.20**	**10**		**12**	**1-7**
BJI	IX	09 02 39 44.5	39.31N	77.32E	24	3.4L,3.3s		¶11507501
ISC	**IX**	**11 14 30 49.4–1.5**	**39.53N–.08**	**78.3E–.10**	**10**		**26**	**2-16**
NNC	IX	11 14 30 45.3–2.0	39.21N	77.72E	2–21	3.6b,3.3		¶11783515
ISCJB	IX	11 14 30 47.7–1.4	39.51N–.08	78.24E–.10	10	3.6b,3.3		
BJI	IX	11 14 30 53.5	39.95N	77.49E	15	3.4L,3.3		
NEIC	IX	11 14 30 53.5–1.5	39.75N	77.79E	10	3.4L,3.3		

ISC Event type se.
NNC Error ellipse: s-maj=22.7km s-min=10.9km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=8.7km az=136.4.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=11.4km az=123.0.

ISC	**IX**	**22 07 39 27.3–.44**	**39.34N–.03**	**74.43E–.06**	**10**	**4.3b**	**79**	**1-149**
ISCJB	IX	22 07 39 25.8–.40	39.32N–.03	74.41E–.05	10	4.3b		¶13394942
IDC	IX	22 07 39 27.0–.60	39.61N	74.53E	0	4.5,4.4		
BJI	IX	22 07 39 29.9	39.74N	74.39E	35	4.5b,4.3s		
MOS	IX	22 07 39 30.4–1.2	39.59N	74.39E	33	4.7b,4.3s		
NEIC	IX	22 07 39 32.4–.46	39.58N	74.44E	35	4.4b,4.3s		
NNC	IX	22 07 39 33.1–.81	40.25N	74.53E	0	5.0b,4.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.3km az=7.0.
IDC Error ellipse: s-maj=16.2km s-min=10.8km az=74.0.
MOS Error ellipse: s-maj=19.4km s-min=9.3km az=103.3.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.3km az=60.0.
NNC Error ellipse: s-maj=7.1km s-min=3.2km az=170.0.

ISC	**IX**	**22 21 46 46.5–2.0**	**39.3N–.10**	**74.8E–.10**	**35**		**13**	**1-5**
								¶15250515
ISC	**IX**	**23 04 27 47.9–1.4**	**39.24N–.08**	**74.40E–.10**	**10**		**29**	**1-14**
NNC	IX	23 04 27 52.2–5.8	39.60N	74.18E	0	3.3b,3.0		¶11517601
NEIC	IX	23 04 27 54.3–10	39.73N	74.31E	10	3.3b,3.0		

ISC Event type se.
NNC Error ellipse: s-maj=45.6km s-min=23.0km az=162.0.
NEIC Event type se. Error ellipse: s-maj=122.0km s-min=20.6km az=170.0.

ISC	**IX**	**23 14 14 27.7–.57**	**35.40N–.04**	**81.40E–.09**	**36–10**	**3.6b,3.3s**	**30**	**6-77**
BJI	IX	23 14 14 17.6	34.83N	81.68E	16	3.9L,3.3s		¶11910889
IDC	IX	23 14 14 22.5–1.9	35.36N	81.34E	0	3.8,3.6		
ISCJB	IX	23 14 14 25.2–.37	35.38N–.04	81.36E–.08	33	3.6b,3.3s		
NEIC	IX	23 14 14 25.2–3.2	35.39N	81.35E	17–23	3.8b,3.3s		

ISC Event type se.
IDC Error ellipse: s-maj=57.2km s-min=20.3km az=72.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.6km az=160.3.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=4.9km az=68.0.

ISC	**IX**	**24 12 53 42.8–.34**	**35.59N–.03**	**81.81E–.08**	**10**	**3.6s,3.6b**	**36**	**6-77**
BJI	IX	24 12 53 38.5	35.29N	81.61E	13	4.1L,3.6b		¶13395100
IDC	IX	24 12 53 39.7–.93	35.45N	81.71E	0	3.9,3.8		
ISCJB	IX	24 12 53 40.3–.34	35.60N–.04	81.86E–.08	10	3.6s,3.6b		
NEIC	IX	24 12 53 42.9–.40	35.57N	81.82E	10	3.9b,3.6b		

ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=15.8km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.1km az=160.5.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=5.0km az=65.0.

NNC	**IX**	**29 03 14 00.3–5.9**	**39.03N**	**75.24E**	**0**	**3.8b,3.5**		
								¶11521455

NNC Error ellipse: s-maj=50.5km s-min=38.7km az=177.0.

ISC	**IX**	**30 06 05 18.5–2.9**	**41.6N–.20**	**81.2E–.20**	**10**		**13**	**4-9**
NNC	IX	30 06 05 47.7–1.6	43.50N	79.45E	0	3.5b,3.1		¶11521504

NNC Error ellipse: s-maj=22.3km s-min=4.9km az=148.0.

ISC	**IX**	**30 11 36 09.6–.37**	**37.43N–.03**	**76.09E–.05**	**126–6**	**3.5b**	**55**	**2-82**
ISCJB	IX	30 11 36 08.6–.41	37.44N–.03	76.05E–.05	133–7	3.4b		¶11521533
NEIC	IX	30 11 36 09.1–.47	37.43N	76.10E	122–6	4.7b		
IDC	IX	30 11 36 10.1–5.2	37.49N	75.97E	128–46	3.5,3.3b		
BJI	IX	30 11 36 14.7	37.79N	76.50E	122	3.5,3.3b		

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.6km az=171.4.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.4km az=62.0.
IDC Error ellipse: s-maj=29.2km s-min=18.4km az=14.0.
ISC X 01 02 39 25.5–.22 40.69N–.04 89.02E–.04 10 4.4b,3.6s 303 3-149
LDG X 01 02 39 21.5–.17 40.26N 88.95E 10–0 4.8b,3.2s **¶11322842**
ISCJB X 01 02 39 23.7–.22 40.72N–.04 89.01E–.04 10 4.4b,3.6s
BJI X 01 02 39 23.7 40.59N 88.97E 12 4.6L,4.4b
NEIC X 01 02 39 25.0–.27 40.60N 89.04E 10 4.7b,4.4b
MOS X 01 02 39 26.4–.93 40.72N 88.97E 27 4.8b,4.4b
IDC X 01 02 39 27.3–.51 40.53N 88.99E 26–3 4.3,4.2
NNC X 01 02 39 29.2–2.0 40.92N 88.66E 9–13 4.8,4.3b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=7.2km s-min=4.6km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.1km az=27.2.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.8km az=193.0.
MOS Error ellipse: s-maj=10.3km s-min=4.8km az=127.4.
IDC Error ellipse: s-maj=15.4km s-min=10.5km az=42.0.
NNC Error ellipse: s-maj=16.5km s-min=11.7km az=73.0.
ISC X 05 22 48 56.3–.47 39.43N–.05 74.04E–.06 10 3.8b 42 1-84
ISCJB X 05 22 48 54.6–.47 39.40N–.06 74.00E–.06 10 3.8b **¶12066070**
IDC X 05 22 48 55.3–.87 39.40N 73.99E 0 4.0,3.8b
NEIC X 05 22 48 59.9–.46 39.46N 73.99E 35 4.0b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.4km az=5.0.
IDC Error ellipse: s-maj=17.9km s-min=15.4km az=78.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.7km az=117.0.
ISC X 06 00 50 49.0–1.3 39.39N–.02 74.08E–.03 5–8 4.4b 276 1-153
NNC X 06 00 50 43.4–4.3 38.90N 73.49E 0 4.7b,4.6 **¶13396142**
LDG X 06 00 50 46.9–.22 39.16N 74.19E 10–0 4.6b,4.6
IDC X 06 00 50 48.1–.53 39.47N 73.97E 0 4.5,4.3b
MOS X 06 00 50 49.2–1.2 39.34N 74.03E 19 4.6b,4.3b
BJI X 06 00 50 51.7 39.58N 74.17E 10 4.5b,4.4b
SZGRF X 06 00 50 52.8 39.60N 74.54E 33 4.6b,4.4b
NEIC X 06 00 50 53.1–.20 39.36N 74.10E 35 4.6b,4.4b
ISC Event type ke.
NNC Error ellipse: s-maj=36.3km s-min=19.3km az=170.0.
LDG Event type ke. Error ellipse: s-maj=9.4km s-min=7.7km az=28.0.
IDC Error ellipse: s-maj=12.4km s-min=10.5km az=92.0.
MOS Error ellipse: s-maj=9.8km s-min=5.4km az=125.2.
SZGRF Southern Xinjiang, China.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.7km az=224.0.
ISC X 06 00 53 18.6–2.3 39.61N–.04 74.03E–.07 22–17 4.1b 56 2-153
IDC X 06 00 53 14.7–.82 39.48N 73.99E 0 4.2,4.0b **¶13396143**
NEIC X 06 00 53 20.5–.40 39.65N 73.93E 35 4.4b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=13.0km az=94.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.8km az=94.0.
ISC X 06 08 48 42.8–.60 39.55N–.07 74.10E–.07 10 3.9b 34 1-84
IDC X 06 08 48 40.8–.89 39.39N 73.86E 0 4.2s,4.2 **¶11710888**
ISCJB X 06 08 48 41.3–.61 39.63N–.07 74.14E–.06 10 3.9b,4.2
NEIC X 06 08 48 46.4–.81 39.46N 73.71E 35 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=18.5km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.2km az=17.8.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=15.0km az=30.0.
ISC X 06 13 49 42.9–.48 35.39N–.05 81.31E–.08 10 3.8b,3.3s 75 5-83
IDC X 06 13 49 40.5–.75 35.19N 81.08E 0 4.0,3.9 **¶13396214**
ISCJB X 06 13 49 41.2–.48 35.42N–.05 81.27E–.08 10 3.8b,3.3s
BJI X 06 13 49 42.7 35.46N 81.54E 8 4.2b,4.1b
MOS X 06 13 49 44.0–1.5 35.39N 81.14E 33 4.1b,4.1b
NEIC X 06 13 49 44.7–4.7 35.32N 81.22E 26–34 4.0b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=16.2km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=7.0km az=157.8.
MOS Error ellipse: s-maj=17.1km s-min=7.9km az=99.4.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=11.9km az=199.0.
ISC X 06 17 21 54.2–2.7 39.15N–.07 74.05E–.08 15–17 3.6b 39 2-84
BJI X 06 17 21 48.6 39.60N 73.23E 35 3.0L **¶11331077**
ISCJB X 06 17 21 52.7–2.4 39.16N–.07 73.91E–.09 13–15 3.6b
IDC X 06 17 21 52.9–1.1 39.43N 73.87E 0 3.8,3.7b
NEIC X 06 17 21 58.2–.71 39.35N 73.78E 35 3.8,3.7b
NNC X 06 17 21 58.7–5.8 39.59N 73.93E 0 3.6b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.9km az=135.2.
IDC Error ellipse: s-maj=29.9km s-min=15.8km az=88.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.9km az=86.0.
NNC Error ellipse: s-maj=49.8km s-min=31.6km az=5.0.
ISC X 06 19 06 40.6–1.7 39.1N–.10 74.2E–.20 10 4.0b 25 3-68
IDC X 06 19 06 40.9–3.6 39.34N 74.05E 0 4.3b,4.1 **¶11710918**
NEIC X 06 19 06 45.1–2.0 39.19N 74.08E 35 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=83.4km s-min=19.6km az=114.0.
NEIC Event type se. Error ellipse: s-maj=34.6km s-min=17.2km az=137.0.
IDC X 06 20 51 02.0–14 39.36N 74.53E 0 4.3,4.2
¶11389283
IDC Error ellipse: s-maj=333.4km s-min=54.2km az=107.0.
ISC X 10 23 09 40.1–.43 35.32N–.04 81.08E–.10 10 3.7b 39 6-83
ISCJB X 10 23 09 38.2–.43 35.28N–.05 81.1E–.10 10 3.7b **¶12066545**
IDC X 10 23 09 38.1–1.6 35.27N 81.03E 0 3.9b,3.7
NEIC X 10 23 09 39.3–1.1 35.16N 81.20E 10 3.8b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=5.4km az=156.7.
IDC Error ellipse: s-maj=34.5km s-min=22.1km az=112.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=14.8km az=192.0.
ISC X 11 15 53 39.8–2.3 39.2N–.20 74.17E–.09 10 13 1-5
¶15670364
ISC X 12 22 09 48.5–.63 35.30N–.06 81.51E–.09 10 3.1b 28 9-74
IDC X 12 22 09 44.3–1.4 35.11N 80.95E 0 3.4b,3.4 **¶12068497**
ISCJB X 12 22 09 46.1–.64 35.36N–.06 81.53E–.09 10 3.1b,3.4
NEIC X 12 22 09 48.2–.46 35.27N 81.50E 10 3.4b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=24.5km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=7.5km az=149.8.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.6km az=49.0.
ISC X 17 00 55 31.6–.26 41.36N–.02 81.57E–.03 10 4.2b,3.7s 198 4-81
ISCJB X 17 00 55 29.4–.27 41.35N–.03 81.59E–.04 10 4.2b,3.7s **¶11711227**
NEIC X 17 00 55 31.4–.39 41.39N 81.62E 10 4.4b,3.7s
NNC X 17 00 55 31.9–1.7 41.53N 81.50E 0 4.8b,4.8
IDC X 17 00 55 31.1–.68 41.50N 81.30E 0 4.2,4.1
MOS X 17 00 55 34.8–1.3 41.67N 81.44E 33 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.3km az=145.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.6km az=59.0.
NNC Error ellipse: s-maj=14.5km s-min=7.4km az=150.0.
IDC Error ellipse: s-maj=13.1km s-min=10.6km az=56.0.
MOS Error ellipse: s-maj=8.0km s-min=5.1km az=120.9.
NNC X 18 19 34 34.0–2.5 40.93N 79.41E 0 3.6b,3.3
¶11749046
NNC Error ellipse: s-maj=21.5km s-min=12.7km az=164.0.
ISC X 18 20 53 56.0–1.2 41.83N–.04 81.01E–.03 7–8 3.9b,3.3s 120 3-81
NNC X 18 20 53 53.6–4.4 41.76N 81.11E 0 4.5,4.2b **¶11359833**
IDC X 18 20 53 54.6–.84 41.88N 80.82E 0 3.8b,3.8
BJI X 18 20 53 55.9 41.80N 81.04E 11 4.5b,4.0L
NEIC X 18 20 53 56.3–.49 41.91N 80.98E 10 4.0b,4.0L
MOS X 18 20 53 57.9–1.1 41.91N 80.99E 33 4.0b,4.0L
ISC Event type se.
NNC Error ellipse: s-maj=43.5km s-min=19.6km az=158.0.
IDC Error ellipse: s-maj=16.1km s-min=13.6km az=22.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.3km az=183.0.
MOS Error ellipse: s-maj=10.2km s-min=7.9km az=117.3.
ISC X 22 16 46 06.8–.23 40.67N–.02 78.14E–.03 10 4.2b,3.8s 223 2-80
NNC X 22 16 46 02.6–2.6 40.41N 78.35E 0 4.7b,4.5 **¶13397806**
LDG X 22 16 46 03.5–.16 40.51N 77.92E 10–0 4.4b,3.3s
ISCJB X 22 16 46 04.6–.23 40.66N–.02 78.23E–.03 10 4.2b,3.8s
IDC X 22 16 46 05.1–.93 40.63N 78.02E 0 4.3,4.2L
BJI X 22 16 46 06.8 40.80N 78.03E 16 4.5L,4.5b
MOS X 22 16 46 08.0–1.4 40.75N 78.11E 33 4.4b,4.5b
NEIC X 22 16 46 09.7–.25 40.60N 78.08E 35 4.3b,4.5b
ISC Event type ke.
NNC Error ellipse: s-maj=21.3km s-min=15.8km az=176.0.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=5.6km az=102.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=155.3.
IDC Error ellipse: s-maj=14.2km s-min=12.8km az=150.0.
MOS Error ellipse: s-maj=9.1km s-min=4.8km az=119.1.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.9km az=51.0.
ISC X 22 18 37 42.6–2.9 40.6N–.10 78.4E–.30 10 15 2-6
NNC X 22 18 37 37.7–4.7 40.37N 78.02E 0 3.8b,3.5 **¶11711330**
NNC Error ellipse: s-maj=41.4km s-min=32.7km az=90.0.
ISC X 23 05 50 45.0–.15 39.48N–.02 74.01E–.03 10 4.7b,4.1s 409 2-153
LDG X 23 05 50 40.8–.17 39.22N 73.88E 10–0 4.7b,3.8s **¶13397862**
IDC X 23 05 50 43.0–.52 39.45N 74.04E 0 4.7,4.6
ISCJB X 23 05 50 43.2–.15 39.45N–.02 74.02E–.03 10 4.7b,4.1s
NNC X 23 05 50 45.1–2.8 39.56N 73.64E 0 5.1b,5.0
NEIC X 23 05 50 45.6–2.3 39.42N 73.93E 18–14 4.8b,5.0
MOS X 23 05 50 46.6–1.4 39.51N 74.00E 33 4.8b,4.0s
GCMT X 23 05 50 47.1–.40 39.52N 73.73E 20–1 4.9W,4.0s
BJI X 23 05 50 47.5 39.74N 74.10E 32 4.9b,4.8b
DJA X 23 05 50 51 39.55N 74.11E 52 5.0b,4.8b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=8.2km s-min=5.8km az=34.0.
IDC Error ellipse: s-maj=11.9km s-min=9.6km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=140.6.
NNC Error ellipse: s-maj=23.7km s-min=11.5km az=170.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.4km az=53.0.
MOS Error ellipse: s-maj=6.1km s-min=3.8km az=106.0.
GCMT Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s26,c34; s64,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}2.29±.15 $M_{\theta\theta}$-1.83±.11; $M_{\phi\phi}$-0.46±.10; $M_{r\theta}$0.05±.20; $M_{\theta\phi}$-0.95±.07; $M_{\phi r}$-0.61±.22; Best double couple: NP1:ϕ_s76.00000°,δ44.00000°,λ109.00000°. NP2:ϕ_s230.00000°,δ49.00000°,λ73.00000°. Principal axes: T 2.4400,Plg76.0000° ,Azm75.0000°; N -0.1100,Plg13.0000°,Azm241.0000°; P -2.3300,Plg3.0000°,Azm332.0000° M_o2.40000×10^{16}
ISC X 23 08 37 14.6–2.8 39.2N–.20 74.04E–.08 10 16 2-14
NNC X 23 08 37 20.9–2.1 39.86N 73.75E 0 3.5b,3.1 **¶11711340**
NNC Error ellipse: s-maj=18.9km s-min=9.4km az=6.0.
ISC X 25 17 25 18.9–3.0 40.0N–.10 77.3E–.30 10 12 2-6
NNC X 25 17 25 16.0–3.7 39.97N 77.02E 0 3.6b,3.3 **¶11711397**
NNC Error ellipse: s-maj=32.2km s-min=24.9km az=116.0.
ISC X 30 03 47 57.4–2.3 39.2N–.20 74.2E–.10 35 14 1-5
¶15670496
ISC X 30 21 05 15.2–.27 35.24N–.03 81.31E–.05 10 4.0b,3.5s 94 5-147
ISCJB X 30 21 05 12.7–.26 35.26N–.03 81.25E–.06 10 4.0b,3.5s **¶13398675**
IDC X 30 21 05 12.3–.64 35.09N 81.16E 0 4.1,4.0
NEIC X 30 21 05 14.9–.28 35.23N 81.22E 10 4.1b,4.0
BJI X 30 21 05 15.2 35.40N 81.37E 9 4.6b,4.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=2.8km az=149.6.
IDC Error ellipse: s-maj=20.1km s-min=13.6km az=56.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=3.8km az=60.0.
ISC XI 01 03 10 32.2–.64 35.31N–.08 81.3E–.10 10 3.8b 39 8-83
ISCJB XI 01 03 10 30.7–.66 35.38N–.08 81.3E–.10 10 3.8b **¶12071817**
IDC XI 01 03 10 30.2–.79 35.22N 81.31E 0 3.9,3.8
NEIC XI 01 03 10 32.1–.68 35.31N 81.30E 10 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=10.1km az=151.2.
IDC Error ellipse: s-maj=22.0km s-min=16.0km az=56.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.5km az=58.0.
NNC XI 02 00 22 06.6–2.7 38.78N 76.81E 0 3.8b,3.4
¶11749873
NNC Error ellipse: s-maj=23.4km s-min=14.2km az=124.0.
ISC XI 02 04 54 24.5–1.8 39.1N–.10 78.7E–.10 10 3.4b 14 2-72
ISCJB XI 02 04 54 22.5–1.8 39.2N–.10 78.8E–.10 10 3.4b **¶11749883**
IDC XI 02 04 54 24.3–1.7 39.57N 77.79E 0 3.4b,3.3
BJI XI 02 04 54 26.7 39.52N 78.11E 12 3.4L,3.3
NNC XI 02 04 54 32.3–1.7 39.63N 78.98E 8–21 3.7b,3.4
ISCJB Error ellipse: s-maj=16.1km s-min=10.5km az=153.2.
IDC Error ellipse: s-maj=24.1km s-min=21.8km az=157.0.
NNC Error ellipse: s-maj=22.0km s-min=10.0km az=161.0.
ISC XI 03 08 38 57.4–.59 39.42N–.04 74.04E–.07 10 3.7b 63 3-84
ISCJB XI 03 08 38 55.8–.59 39.48N–.04 74.07E–.07 10 3.7b **¶13399083**
IDC XI 03 08 38 55.6–.83 39.34N 74.07E 0 4.0,3.9b
NNC XI 03 08 38 56.4–4.1 39.46N 74.05E 0 4.0b,3.8
NEIC XI 03 08 39 01.0–.80 39.29N 73.86E 35 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=5.1km az=8.0.
IDC Error ellipse: s-maj=15.9km s-min=12.9km az=115.0.
NNC Error ellipse: s-maj=33.6km s-min=21.3km az=168.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=10.9km az=133.0.
ISC XI 04 14 22 22.7–.18 39.50N–.03 74.06E–.04 10 4.5b,3.7s 300 1-146
ISCJB XI 04 14 22 20.7–.18 39.51N–.03 74.07E–.04 10 4.5b,3.7s **¶13399210**
IDC XI 04 14 22 20.9–.49 39.44N 74.02E 0 4.6,4.5
LDG XI 04 14 22 20.6–.17 39.41N 73.93E 10–0 4.6b,3.6s
NEIC XI 04 14 22 23.9–1.3 39.44N 74.06E 20–9 4.7b,3.6s
MOS XI 04 14 22 24.6–.86 39.46N 73.98E 37 4.8b,3.6s
NNC XI 04 14 22 26.5–2.2 39.82N 73.70E 0 4.8b,4.6
BJI XI 04 14 22 30.1 39.70N 74.58E 29 4.6L,4.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=137.8.
IDC Error ellipse: s-maj=11.1km s-min=8.4km az=106.0.
LDG Event type ke. Error ellipse: s-maj=7.6km s-min=4.4km az=161.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.2km az=57.0.
MOS Error ellipse: s-maj=8.1km s-min=5.1km az=116.5.
NNC Error ellipse: s-maj=21.8km s-min=9.2km az=12.0.
ISC XI 05 05 14 25.2–1.9 38.71N–.06 76.2E–.10 18–11 3.9b 46 1-71
NEIC XI 05 05 14 20.2–1.0 38.09N 76.43E 10 3.9b **¶13399283**
IDC XI 05 05 14 20.0–1.4 38.36N 76.31E 0 4.1,3.9b
BJI XI 05 05 14 23.1 38.53N 76.42E 9 3.8L,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=11.6km az=130.0.
IDC Error ellipse: s-maj=25.6km s-min=18.6km az=141.0.
ISC XI 07 09 21 14.7–.22 39.49N–.02 74.04E–.04 10 4.4b,4.3s 208 1-153
IDC XI 07 09 21 12.8–.60 39.45N 74.05E 0 4.4,4.4 **¶13399488**
ISCJB XI 07 09 21 12.6–.22 39.49N–.03 74.08E–.05 10 4.4b,4.3s
MOS XI 07 09 21 16.0–.98 39.38N 73.96E 37 4.6b,4.3s
BJI XI 07 09 21 16.8 39.59N 74.05E 20 4.6b,4.3b
NEIC XI 07 09 21 17.3–.29 39.37N 74.01E 35 4.6b,4.3b
NNC XI 07 09 21 22.8–2.5 40.02N 73.72E 20–10 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=11.7km s-min=11.0km az=120.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.3km az=150.4.
MOS Error ellipse: s-maj=8.9km s-min=5.2km az=102.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.8km az=52.0.
NNC Error ellipse: s-maj=19.2km s-min=9.7km az=11.0.
ISC XI 09 01 55 04.8–3.7 38.90N–.10 88.3E–.20 27–28 3.6b 22 9-79
IDC XI 09 01 55 00.6–1.3 38.84N 88.34E 0 3.8,3.6b **¶12072905**
ISCJB XI 09 01 55 01.2–3.8 39.0N–.10 88.4E–.20 13–25 3.6b,3.6b
NEIC XI 09 01 55 05.8–.77 38.90N 88.28E 35 3.6b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=21.7km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=30.5km s-min=12.4km az=151.5.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=11.3km az=62.0.
ISC XI 10 02 02 55.1–1.2 39.06N–.08 74.31E–.07 10 3.7b 21 1-68
ISCJB XI 10 02 02 53.4–1.1 39.06N–.08 74.28E–.07 10 3.7b **¶11711704**

IDC XI 10 02 02 53.9–5.9 39.26N 74.39E 0 4.8s,4.8
ISCJB Error ellipse: s-maj=11.4km s-min=7.6km az=175.9.
IDC Error ellipse: s-maj=136.7km s-min=23.4km az=110.0.
ISC XI 12 02 08 15.0–1.4 35.1N–.10 81.9E–.20 10 3.8b,3.3s 29 6-83
IDC XI 12 02 08 12.7–2.8 34.99N 82.01E 0 4.0,3.9b **¶12073257**
ISCJB XI 12 02 08 14.6–1.3 35.2N–.10 81.7E–.10 10 3.8b,3.3s
NEIC XI 12 02 08 14.7–1.2 35.07N 81.93E 10 3.9b,3.3s
BJI XI 12 02 08 17.8 35.30N 81.49E 21 4.2b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=71.4km s-min=26.2km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=13.2km az=39.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=13.3km az=112.0.
ISC XI 12 18 11 07.6–.69 38.65N–.06 75.10E–.10 10 3.9b,2.4s 45 3-80
ISCJB XI 12 18 11 05.7–.69 38.64N–.06 75.15E–.10 10 3.9b,2.4s **¶13399922**
IDC XI 12 18 11 05.2–1.0 38.64N 75.10E 0 3.8,3.7
NEIC XI 12 18 11 07.2–.66 38.64N 75.07E 10 3.6b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=7.2km az=35.2.
IDC Error ellipse: s-maj=21.7km s-min=17.0km az=156.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.6km az=138.0.
ISC XI 18 17 00 43.4–1.6 38.51N–.06 76.3E–.10 23–12 24 4-24
NEIC XI 18 17 00 36.9–1.9 38.21N 77.15E 10 **¶11750813**
IDC XI 18 17 00 39.0–8.3 38.78N 76.15E 0 3.1b,3.1
ISCJB XI 18 17 00 43.3–1.1 38.50N–.05 76.11E–.10 33 3.1b,3.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 24 02 01 48.8–2.3 39.4N–.10 77.4E–.10 14–20 18 1-26
NNC XI 24 02 01 47.8–5.8 39.53N 77.52E 0 4.0b,3.6 **¶11711943**
BJI XI 24 02 01 48.9 39.87N 76.89E 17 3.6L,3.6
ISCJB XI 24 02 01 49.9–1.3 39.43N–.09 77.50E–.08 33 3.6L,3.6
ISC XI 24 21 48 41.1–.24 35.36N–.03 81.36E–.04 10 4.1b 130 5-147
ISCJB XI 24 21 48 38.9–.24 35.33N–.03 81.37E–.05 10 4.1b **¶12074732**
IDC XI 24 21 48 38.4–.62 35.20N 81.40E 0 4.3,4.1b
NEIC XI 24 21 48 40.5–.37 35.33N 81.37E 10 4.1b,4.1b
MOS XI 24 21 48 42.3–1.5 35.38N 81.34E 33 4.2b,4.1b
NDI XI 24 21 48 44.2–1.8 34.96N 81.64E 10–0 4.1b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=152.5.
IDC Error ellipse: s-maj=16.7km s-min=15.4km az=54.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.2km az=49.0.
MOS Error ellipse: s-maj=12.3km s-min=6.7km az=108.5.
NDI Error ellipse: s-maj=17.6km s-min=14.5km az=-1.0.
ISC XI 24 21 49 26.3–.28 35.38N–.03 81.33E–.07 10 4.3b 107 7-147
IDC XI 24 21 49 24.0–.48 35.15N 81.33E 0 4.4,4.3b **¶12074733**
ISCJB XI 24 21 49 24.2–.28 35.37N–.03 81.36E–.07 10 4.3b,4.3b
NEIC XI 24 21 49 25.7–.34 35.28N 81.37E 10 4.0b,4.3b
MOS XI 24 21 49 27.7–1.3 35.40N 81.39E 33 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=10.2km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.1km az=159.2.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.5km az=60.0.
MOS Error ellipse: s-maj=14.8km s-min=7.7km az=102.7.
ISC XI 25 00 43 22.1–1.7 35.9N–.10 81.5E–.20 10 16 11-22
IDC XI 25 00 43 15.0–4.2 35.27N 81.46E 0 3.4,3.4b **¶12074750**
NEIC XI 25 00 43 20.8–2.6 35.73N 81.48E 10 3.3b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=60.3km s-min=38.0km az=61.0.
NEIC Event type se. Error ellipse: s-maj=36.9km s-min=18.1km az=191.0.
ISC XI 27 19 23 15.5–1.8 36.3N–.10 82.1E–.20 10 16 9-54
IDC XI 27 19 23 13.3–6.5 36.21N 82.11E 0 3.7,3.7s **¶11751278**
NEIC XI 27 19 23 14.3–4.1 36.17N 82.08E 10 3.7,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=85.6km s-min=45.4km az=34.0.
NEIC Event type se. Error ellipse: s-maj=54.0km s-min=22.7km az=189.0.
ISC XI 28 00 58 18.1–3.0 42.0N–.20 84.3E–.10 10 6 3-10
BJI XI 28 00 58 08.8 41.16N 84.67E 8 3.0L **¶11730146**
NNC XI 28 00 58 10.1–4.1 41.46N 84.50E 0 3.4b,3.0
NNC Error ellipse: s-maj=39.9km s-min=19.6km az=151.0.
ISC XI 28 02 15 48.6–.37 40.09N–.03 78.68E–.04 10 3.3b 57 2-72
IDC XI 28 02 15 45.5–2.0 40.02N 78.46E 0 3.5,3.5 **¶11528462**
ISCJB XI 28 02 15 46.8–.38 40.09N–.03 78.80E–.04 10 3.3b,3.5
NEIC XI 28 02 15 47.1–1.8 39.94N 78.70E 10 3.3b,3.5
BJI XI 28 02 15 48.3 40.22N 78.70E 8 3.3L,3.5
NNC XI 28 02 15 59.1–6.5 40.87N 79.59E 0 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=22.3km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.5km az=38.1.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=12.5km az=167.0.
NNC Error ellipse: s-maj=59.4km s-min=22.4km az=160.0.
ISC XII 04 01 05 39.2–.47 39.47N–.03 74.21E–.06 52–7 3.8b 125 1-84
IDC XII 04 01 05 32.6–.83 39.32N 73.91E 0 4.0,3.9 **¶13401827**
BJI XII 04 01 05 35.4 39.65N 73.79E 6 4.5b,4.1b
ISCJB XII 04 01 05 37.8–.56 39.42N–.03 74.15E–.06 57–7 3.8b,4.1b
MOS XII 04 01 05 37.5–1.7 39.42N 73.96E 54 4.2b,4.1b
NEIC XII 04 01 05 37.5–.44 39.42N 74.03E 35 4.1b,4.1b
NNC XII 04 01 05 38.2–2.4 39.67N 73.89E 0 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=15.8km az=9.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.4km az=156.5.
MOS Error ellipse: s-maj=15.1km s-min=7.1km az=90.7.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.7km az=64.0.
NNC Error ellipse: s-maj=21.0km s-min=11.1km az=1.0.
ISC XII 05 16 20 15.3–2.3 40.0N–.10 75.5E–.10 10 14 2-5
NNC XII 05 16 20 12.4–26 39.94N 76.85E 0 3.9b,3.6 **¶11712101**
NNC Error ellipse: s-maj=212.0km s-min=114.5km az=133.0.
ISC XII 06 13 10 07.6–2.1 39.3N–.10 74.31E–.09 10 15 1-5
¶15698474
ISC XII 10 14 43 55.0–.83 35.36N–.08 81.1E–.10 10 3.3b 31 6-82
ISCJB XII 10 14 43 53.2–.81 35.37N–.07 81.0E–.10 10 3.3b **¶12076753**
IDC XII 10 14 43 53.5–1.2 35.41N 81.17E 0 3.7,3.6
NEIC XII 10 14 43 55.2–6.7 35.36N 81.10E 12–44 3.3b,3.6
BJI XII 10 14 44 01.5 35.78N 81.64E 28 3.5L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=10.8km az=0.6.
IDC Error ellipse: s-maj=29.9km s-min=23.1km az=71.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=16.0km az=148.0.
ISC XII 11 12 31 05.6–.17 35.29N–.02 81.47E–.03 10 4.6b,4.5s 272 5-147
IDC XII 11 12 31 02.8–.54 35.17N 81.40E 0 4.5,4.4 **¶13402481**
ISCJB XII 11 12 31 03.6–.17 35.23N–.02 81.40E–.03 10 4.6b,4.5s
BJI XII 11 12 31 03.4 35.31N 81.33E 10 5.0b,4.9s
NEIC XII 11 12 31 05.4–.25 35.31N 81.41E 10 5.0b,4.9s
MOS XII 11 12 31 07.1–1.2 35.24N 81.34E 35 4.7b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=12.2km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.6km az=159.3.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.0km az=58.0.
MOS Error ellipse: s-maj=9.9km s-min=4.8km az=119.5.
ISC XII 11 12 31 35.1–.35 35.25N–.05 81.41E–.05 10 4.6s,4.5b 125 6-147
IDC XII 11 12 31 32.8–.55 35.15N 81.31E 0 4.6,4.5 **¶13402482**
ISCJB XII 11 12 31 33.6–.36 35.36N–.05 81.47E–.05 10 4.6s,4.5b
NEIC XII 11 12 31 34.5–.36 35.19N 81.26E 10 4.7b,4.5b
MOS XII 11 12 31 37.0–1.7 35.38N 81.32E 33 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=12.6km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.1km az=31.1.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.9km az=38.0.
MOS Error ellipse: s-maj=11.0km s-min=6.1km az=117.6.
ISC XII 11 12 49 52.4–.72 35.47N–.07 81.37E–.09 10 3.6b 57 6-77
BJI XII 11 12 49 45.4 34.87N 81.93E 10 4.0L **¶12076923**
ISCJB XII 11 12 49 50.6–.72 35.47N–.08 81.28E–.09 10 3.6b
IDC XII 11 12 49 50.5–.92 35.42N 81.12E 0 3.8,3.7b
NEIC XII 11 12 49 52.3–.79 35.41N 81.31E 10 3.5b,3.7b
MOS XII 11 12 49 54.0–1.8 35.54N 81.31E 33 3.9b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=10.4km az=41.4.
IDC Error ellipse: s-maj=25.9km s-min=16.8km az=59.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=11.6km az=50.0.
MOS Error ellipse: s-maj=16.9km s-min=7.6km az=105.6.
ISC XII 11 13 16 14.9–.36 35.27N–.02 81.40E–.03 46–4 4.3b,4.0s 231 5-147
IDC XII 11 13 16 08.3–.55 35.22N 81.43E 0 4.3,4.2 **¶13402486**
NNC XII 11 13 16 09.7–1.6 35.66N 81.75E 0 4.4,4.0b
ISCJB XII 11 13 16 12.0–.50 35.30N–.02 81.41E–.03 35–5 4.3b,4.0s
MOS XII 11 13 16 11.2–1.0 35.25N 81.28E 30 4.3b,4.0s
BJI XII 11 13 16 13.1 35.42N 81.28E 42 4.8b,4.5s
NEIC XII 11 13 16 13.4–1.4 35.27N 81.37E 33–11 4.6b,4.5s
GCMT XII 11 13 16 15.2–.40 35.32N 81.31E 25–1 4.9W,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=13.0km az=51.0.
NNC Error ellipse: s-maj=19.4km s-min=9.4km az=129.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=3.6km az=139.9.
MOS Error ellipse: s-maj=10.2km s-min=5.1km az=113.3.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.9km az=59.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s22,c28; s54,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.62±.24 $M_{\theta\theta}$-0.61±.14; $M_{\phi\phi}$3.23±.15; $M_{r\theta}$0.61±.34; $M_{\theta\theta}$0.83±.10; $M_{\phi r}$-0.25±.28; Best double couple: NP1:ϕ_s209.00000°,δ46.00000°,λ-66.00000°. NP2:ϕ_s355.00000°,δ49.00000°,λ-114.00000°. Principal axes: T 3.4100,Plg1.0000° ,Azm102.0000°; N -0.5800,Plg17.0000°,Azm11.0000°; P -2.8300,Plg72.0000° ,Azm195.0000° $M_0$3.10000×10^{16}
BJI XII 14 10 28 25.3 35.40N 81.14E 9 4.1b,3.7s
¶12790195
ISC XII 16 23 25 28.6–1.3 41.79N–.05 82.35E–.07 10–7 3.4b 47 4-78
BJI XII 16 23 25 09.2 40.33N 84.26E 13 3.8L **¶12077831**
IDC XII 16 23 25 26.3–1.2 41.79N 82.44E 0 3.5b,3.5
NEIC XII 16 23 25 32.2–2.0 41.78N 82.17E 40–17 3.0b,3.5
NNC XII 16 23 25 38.1–1.9 42.21N 82.14E 26–10 3.7b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=17.7km az=81.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=10.5km az=142.0.
NNC Error ellipse: s-maj=14.1km s-min=7.6km az=134.0.
ISC XII 19 07 24 19.9–1.4 38.73N–.08 89.79E–.10 10 12 5-20
BJI XII 19 07 24 14.5 38.16N 89.89E 20 4.1b,3.9L **¶12078159**
ISCJB XII 19 07 24 18.5–1.4 38.81N–.07 89.66E–.10 10 4.1b,3.9L
IDC XII 19 07 24 21.2–7.0 38.83N 89.99E 0 3.4,3.4
ISCJB Error ellipse: s-maj=11.0km s-min=10.2km az=33.5.
IDC Error ellipse: s-maj=83.0km s-min=37.0km az=177.0.
ISC XII 23 08 59 05.3–3.9 39.1N–.20 78.0E–.20 20–18 3.7b 24 2-78
IDC XII 23 08 59 03.2–3.0 39.19N 77.76E 0 3.9,3.8b **¶13403735**
NNC XII 23 08 59 12.6–1.5 39.68N 77.25E 0 4.0b,3.6
IDC Error ellipse: s-maj=62.9km s-min=25.7km az=131.0.
NNC Error ellipse: s-maj=12.6km s-min=8.5km az=162.0.
ISC XII 24 01 15 29.4–1.2 39.01N–.10 77.47E–.06 10 3.1s 39 1-39
NEIC XII 24 01 15 21.4–4.0 38.42N 77.11E 10 3.4b **¶12078752**
BJI XII 24 01 15 27.2 39.84N 77.25E 10 4.6b,4.0L
IDC XII 24 01 15 27.4–3.9 38.84N 77.85E 0 3.5,3.5
ISCJB XII 24 01 15 28.5–1.1 39.10N–.09 77.51E–.06 10 3.1s,3.5
NNC XII 24 01 15 29.6–1.8 39.63N 77.10E 0 4.2b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=49.4km s-min=17.0km az=192.0.
IDC Error ellipse: s-maj=45.2km s-min=34.9km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=6.3km az=8.6.
NNC Error ellipse: s-maj=13.4km s-min=11.9km az=177.0.
ISC XII 28 01 45 51.5–1.4 39.32N–.03 91.86E–.03 9–9 4.3b 212 5-151
LDG XII 28 01 45 46.6–.15 39.01N 92.16E 10–0 4.7b,3.1s **¶13404206**
IDC XII 28 01 45 47.5–.55 38.98N 92.12E 0 4.3L,4.3
NEIC XII 28 01 45 49.7–.38 39.24N 92.16E 10 4.4b,4.3
ISCJB XII 28 01 45 50.5–.92 39.31N–.03 91.83E–.03 18–7 4.3b,4.3
MOS XII 28 01 45 50.8–1.5 39.20N 92.09E 33 4.5b,4.3
BJI XII 28 01 45 52.5 39.50N 91.54E 10 4.5L,4.5b
NNC XII 28 01 45 57.6–5.7 39.50N 91.42E 18–42 4.1b,4.5b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=3.5km az=118.0.
IDC Error ellipse: s-maj=20.7km s-min=11.4km az=46.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.5km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=7.3.
MOS Error ellipse: s-maj=10.0km s-min=5.5km az=123.0.
NNC Error ellipse: s-maj=118.1km s-min=27.2km az=63.0.

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ISC VII 16 15 07 10.7–1.2 39.35N–.03 95.49E–.03 1–7 4.7b,3.8s 286 3-154
LDG VII 16 15 07 09.7–.21 39.28N 95.44E 10–0 4.7b,3.6s **¶11126454**
IDC VII 16 15 07 09.9–.53 39.32N 95.53E 0 4.6,4.5b
NEIC VII 16 15 07 10.8–2.4 39.40N 95.54E 2–15 4.7b,4.5b
BJI VII 16 15 07 10.9 39.47N 95.41E 19 4.7L,4.6b
MOS VII 16 15 07 13.4–.85 39.40N 95.56E 33 4.7b,4.6b
ISCJB VII 16 15 07 13.5–.17 39.35N–.03 95.48E–.03 33 4.6b,3.8s
SZGRF VII 16 15 07 15.2 39.41N 95.77E 33 4.7b,3.8s
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=8.6km s-min=5.4km az=130.0.
IDC Error ellipse: s-maj=19.7km s-min=12.2km az=39.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.7km az=222.0.
MOS Error ellipse: s-maj=9.7km s-min=5.2km az=119.2.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=15.4.
SZGRF Gansu, China.
ISC VIII 24 20 30 00.8–1.5 34.20N–.06 104.61E–.07 1–9 3.7b 24 2-67
ISCJB VIII 24 20 29 58.9–1.5 34.21N–.06 104.66E–.07 2–10 3.6b **¶11653069**
IDC VIII 24 20 30 00.1–.81 34.24N 104.63E 0 3.7,3.7L
BJI VIII 24 20 30 01.8 34.19N 104.57E 12 3.7b,3.6s
NEIC VIII 24 20 30 05.2–1.7 34.27N 104.78E 36–19 3.7b,3.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=6.7km az=135.0.
IDC Error ellipse: s-maj=30.3km s-min=16.4km az=52.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=10.4km az=53.0.
ISC VIII 24 20 30 28.0–2.2 34.19N–.09 104.6E–.20 4–13 3.7b 16 2-74
ISCJB VIII 24 20 30 25.4–2.1 34.15N–.08 104.6E–.20 1–13 3.8b **¶11653070**
IDC VIII 24 20 30 27.4–.78 34.27N 104.67E 0 3.8,3.7
NEIC VIII 24 20 30 28.9–.55 34.26N 104.65E 10 3.8,3.7
BJI VIII 24 20 30 30.8 34.18N 104.55E 21 3.9L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.2km s-min=11.5km az=162.0.
IDC Error ellipse: s-maj=48.3km s-min=15.9km az=55.0.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=10.2km az=49.0.
ISC IX 08 07 42 37.2–.59 39.68N–.09 95.44E–.06 10 3.5b 22 3-73
ISCJB IX 08 07 42 35.1–.59 39.70N–.10 95.50E–.06 10 3.5b **¶11909803**
IDC IX 08 07 42 35.7–.85 39.62N 95.48E 0 3.7,3.6
BJI IX 08 07 42 36.8 39.78N 95.20E 8 3.7L,3.4s
NEIC IX 08 07 42 37.3–.58 39.68N 95.34E 10 3.7L,3.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=6.1km az=14.0.
IDC Error ellipse: s-maj=26.0km s-min=16.1km az=54.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.4km az=224.0.
ISC IX 11 21 57 27.8–.64 33.05N–.04 105.53E–.06 10 3.6b 15 3-63
ISCJB IX 11 21 57 26.0–.67 33.09N–.04 105.49E–.06 10 3.6b **¶11910068**
IDC IX 11 21 57 25.7–1.7 33.33N 106.31E 0 3.8,3.5
BJI IX 11 21 57 27.5 33.11N 105.54E 13 3.3L,3.1s
ISCJB Error ellipse: s-maj=7.6km s-min=5.9km az=1.7.
IDC Error ellipse: s-maj=75.8km s-min=27.8km az=52.0.
ISC X 20 13 04 01.4–.44 33.01N–.04 105.69E–.04 10 3.4b 26 3-68
ISCJB X 20 13 03 59.7–.48 32.98N–.05 105.82E–.05 10 3.4b **¶12069130**
IDC X 20 13 04 00.2–1.0 32.89N 105.66E 0 3.6,3.5
NEIC X 20 13 04 01.7–.65 32.81N 105.58E 10 3.6,3.5
BJI X 20 13 04 01.1 33.02N 105.65E 9 3.7b,3.4s

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.8km az=141.2.
IDC Error ellipse: s-maj=42.9km s-min=20.3km az=62.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=11.6km az=56.0.

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IDC	**VII**	**08 17 29 14.1–3.3**	**39.35N**	**110.65E**	**0**	**3.7b,3.6**			
									¶12698087
IDC		Error ellipse: s-maj=82.9km s-min=37.0km az=16.0.							
ISC	**VII**	**16 19 35 18.9–.87**	**38.82N–.06**	**110.99E–.07**	**10**	**3.4b**	**14**	**2-23**	
ISCJB	VII	16 19 35 17.5–.72	38.84N–.05	110.99E–.06	10	3.4b			**¶12698258**
IDC	VII	16 19 35 21.1–5.5	39.10N	110.79E	0	3.6,3.4			
ISCJB	Error ellipse: s-maj=7.6km s-min=5.4km az=135.9.								
IDC	Error ellipse: s-maj=113.0km s-min=25.0km az=84.0.								
IDC	**VII**	**31 07 12 19.2–1.8**	**39.07N**	**110.41E**	**0**	**3.8,3.7**			
									¶12698509
IDC	Error ellipse: s-maj=38.8km s-min=23.5km az=92.0.								
IDC	**VIII**	**10 10 59 44.0–.89**	**38.35N**	**109.94E**	**0**	**4.1s,4.1**			
									¶12581008
IDC	Error ellipse: s-maj=25.6km s-min=16.9km az=69.0.								
BJI	**VIII**	**16 13 07 27.6**	**39.22N**	**101.03E**	**27**	**3.6L,3.3s**			
									¶11652950
ISC	**VIII**	**24 15 46 41.5–2.3**	**39.4N–.10**	**110.8E–.30**	**10**	**3.2b**	**6**	**1-25**	
IDC	VIII	24 15 46 41.1–5.9	39.42N	110.54E	0	3.5,3.4			**¶12581347**
IDC	Error ellipse: s-maj=125.5km s-min=29.0km az=84.0.								
IDC	**VIII**	**26 07 08 39.5–5.7**	**39.37N**	**110.70E**	**0**	**3.6,3.4b**			
									¶12581429
IDC	Error ellipse: s-maj=119.0km s-min=25.2km az=84.0.								
IDC	**IX**	**06 00 26 28.0–5.5**	**39.04N**	**110.67E**	**0**	**3.7,3.5**			
									¶11909569
IDC	Error ellipse: s-maj=115.1km s-min=25.1km az=85.0.								
IDC	**IX**	**13 03 27 29.3–1.3**	**38.35N**	**110.01E**	**0**	**3.7,3.5b**			
									¶11910155
IDC	Error ellipse: s-maj=45.7km s-min=19.3km az=62.0.								
IDC	**IX**	**26 23 01 42.7–6.1**	**39.43N**	**110.76E**	**0**	**3.6,3.4b**			
									¶11911129
IDC	Error ellipse: s-maj=126.9km s-min=32.0km az=84.0.								
ISC	**X**	**02 19 45 53.1–.32**	**36.03N–.03**	**106.15E–.04**	**10**	**4.0b,3.0s**	**104**	**2-76**	
ISCJB	X	02 19 45 51.1–.32	36.02N–.03	106.17E–.04	10	4.0b,3.0s			**¶13395819**
IDC	X	02 19 45 51.2–.66	36.06N	106.33E	0	4.0,3.9			
NEIC	X	02 19 45 53.0–.33	36.04N	106.22E	10	4.4b,3.9			
MOS	X	02 19 45 53.5–1.1	36.05N	106.24E	29	4.6b,3.9			
BJI	X	02 19 45 53.5	35.96N	106.14E	16	4.3L,4.3b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.0km s-min=4.2km az=40.9.								
IDC	Error ellipse: s-maj=22.7km s-min=13.7km az=61.0.								
NEIC	Event type se. Error ellipse: s-maj=6.7km s-min=4.9km az=99.0.								
MOS	Error ellipse: s-maj=12.4km s-min=9.0km az=99.3.								
ISC	**X**	**03 04 02 41.5–.43**	**36.12N–.04**	**106.34E–.05**	**10**	**3.9b**	**36**	**2-65**	
IDC	X	03 04 02 38.9–1.1	36.17N	106.54E	0	3.9,3.8			**¶12065755**
ISCJB	X	03 04 02 39.0–.44	36.22N–.04	106.44E–.04	10	3.9b,3.8			
NEIC	X	03 04 02 41.7–.75	35.98N	106.31E	10	3.9b,3.8			
BJI	X	03 04 02 43.6	35.96N	106.01E	13	3.8L,3.5s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=57.1km s-min=19.5km az=57.0.								
ISCJB	Event type se. Error ellipse: s-maj=5.5km s-min=5.0km az=146.8.								
NEIC	Event type se. Error ellipse: s-maj=25.1km s-min=10.8km az=64.0.								
ISC	**X**	**26 04 09 36.5–.84**	**39.03N–.04**	**110.4E–.10**	**10**	**3.7b**	**30**	**2-66**	
IDC	X	26 04 09 34.9–1.7	39.06N	110.35E	0	3.9,3.8			**¶12071124**
ISCJB	X	26 04 09 35.1–.87	39.08N–.04	110.2E–.10	10	3.7b,3.8			
NEIC	X	26 04 09 36.4–.87	39.02N	110.34E	10	4.0b,3.8			
ISC	Event type se.								
IDC	Error ellipse: s-maj=44.5km s-min=18.1km az=70.0.								
ISCJB	Event type se. Error ellipse: s-maj=15.8km s-min=5.4km az=179.8.								
NEIC	Event type se. Error ellipse: s-maj=19.8km s-min=8.3km az=82.0.								
ISC	**X**	**26 06 30 32.0–2.4**	**39.04N–.04**	**110.7E–.20**	**6–12**	**3.3b**	**10**	**2-24**	
IDC	X	26 06 30 30.3–5.4	38.99N	110.51E	0	3.4,3.3			**¶12071133**
IDC	Error ellipse: s-maj=112.6km s-min=23.9km az=86.0.								
ISC	**XI**	**14 13 00 37.8–.52**	**37.52N–.04**	**106.17E–.05**	**10**	**3.5b**	**21**	**2-66**	
ISCJB	XI	14 13 00 37.0–.55	37.60N–.04	106.36E–.06	10	3.5b			**¶12073519**
IDC	XI	14 13 00 37.2–1.0	37.41N	106.16E	0	3.5s,3.5			
BJI	XI	14 13 00 41.1	37.42N	106.17E	14	3.2L,3.5			
ISCJB	Error ellipse: s-maj=6.6km s-min=5.5km az=150.1.								
IDC	Error ellipse: s-maj=33.6km s-min=18.4km az=59.0.								
IDC	**XI**	**22 15 27 53.5–1.4**	**39.06N**	**106.19E**	**0**	**3.3b,3.3**			
									¶12074507
IDC	Error ellipse: s-maj=47.4km s-min=20.1km az=63.0.								
IDC	**XI**	**23 20 44 03.3–5.6**	**39.38N**	**110.57E**	**0**	**3.3,3.1**			
									¶12074613
IDC	Error ellipse: s-maj=117.3km s-min=25.6km az=85.0.								
ISC	**XI**	**24 07 23 45.0–.95**	**36.27N–.03**	**106.08E–.03**	**13–7**	**4.0b,3.1s**	**59**	**2-65**	
ISCJB	XI	24 07 23 42.1–1.1	36.30N–.03	106.11E–.04	9–7	4.0b,3.1s			**¶12074659**
BJI	XI	24 07 23 43.7	36.25N	106.19E	14	4.6b,4.4L			
IDC	XI	24 07 23 43.5–.94	36.32N	106.08E	0	4.0,4.0L			
NEIC	XI	24 07 23 44.8–.55	36.30N	106.16E	10	4.2b,4.0L			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.8km s-min=5.2km az=174.7.								
IDC	Error ellipse: s-maj=33.2km s-min=15.8km az=61.0.								
NEIC	Event type se. Error ellipse: s-maj=15.2km s-min=8.6km az=64.0.								
ISC	**XII**	**03 01 31 05.3–.61**	**39.37N–.06**	**110.96E–.05**	**10**	**3.8b**	**19**	**1-34**	
ISCJB	XII	03 01 31 03.2–.62	39.49N–.06	111.04E–.05	10	3.8b			**¶12075572**
IDC	XII	03 01 31 03.9–1.6	39.39N	110.85E	0	4.2,4.1b			
NEIC	XII	03 01 31 05.5–.60	39.44N	110.78E	10	3.9b,4.1b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=9.1km s-min=5.8km az=178.1.								
IDC	Error ellipse: s-maj=28.8km s-min=23.3km az=88.0.								
NEIC	Event type se. Error ellipse: s-maj=11.5km s-min=10.5km az=143.0.								
ISC	**XII**	**17 23 43 54.0–1.6**	**39.5N–.10**	**110.5E–.30**	**10**	**3.3b**	**6**	**1-72**	
ISCJB	XII	17 23 43 52.4–1.6	39.5N–.10	110.6E–.30	10	3.3b			**¶12077993**
IDC	XII	17 23 43 52.3–1.9	39.39N	110.62E	0	3.6,3.4			
ISCJB	Error ellipse: s-maj=37.5km s-min=15.7km az=178.1.								
IDC	Error ellipse: s-maj=48.3km s-min=29.0km az=101.0.								
IDC	**XII**	**18 19 40 48.7–5.4**	**39.45N**	**110.44E**	**0**	**3.4,3.2**			
									¶12078082
IDC	Error ellipse: s-maj=111.5km s-min=25.5km az=84.0.								
ISC	**XII**	**31 03 21 39.7–.87**	**38.89N–.08**	**105.9E–.20**	**35**	**3.7b**	**21**	**9-68**	
IDC	XII	31 03 21 34.4–.98	38.99N	106.12E	0	3.7b,3.7			**¶12079624**
NEIC	XII	31 03 21 36.0–.74	38.99N	106.12E	10	3.7b,3.7			
ISCJB	XII	31 03 21 37.0–.88	38.97N–.07	106.1E–.20	33	3.7b,3.7			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								

(324) Kashmir-Xinjiang border region.

ISC	**VII**	**14 13 36 38.1–1.7**	**36.2N–.10**	**77.1E–.20**	**53–13**	**3.8b**	**22**	**3-48**	
IDC	VII	14 13 36 29.5–5.7	35.87N	77.16E	0	3.8b,3.8			**¶13389184**
ISCJB	VII	14 13 36 35.7–1.9	36.1N–.10	77.2E–.20	52–14	3.8b,3.8			
NEIC	VII	14 13 36 37.3–1.9	36.03N	77.31E	58–13	3.7b,3.8			
NNC	VII	14 13 36 45.9–11	37.23N	76.95E	0	3.5b,3.5			
ISC	Event type se.								
IDC	Error ellipse: s-maj=91.2km s-min=45.6km az=143.0.								
ISCJB	Event type se. Error ellipse: s-maj=27.4km s-min=14.1km az=35.3.								
NEIC	Event type se. Error ellipse: s-maj=28.3km s-min=12.8km az=126.0.								
NNC	Error ellipse: s-maj=108.2km s-min=61.8km az=171.0.								
ISC	**VII**	**17 16 20 23.2–1.1**	**36.85N–.08**	**76.81E–.10**	**10**	**3.3b**	**23**	**3-40**	
IDC	VII	17 16 20 16.2–3.8	36.38N	76.71E	0	3.5L,3.4b			**¶11348268**
ISCJB	VII	17 16 20 21.6–1.0	36.86N–.07	76.73E–.09	10	3.3b,3.4b			
NEIC	VII	17 16 20 26.9–1.4	36.67N	76.81E	80–11	3.2b,3.4b			
BJI	VII	17 16 20 30.9	37.22N	77.17E	16	3.2L,3.4b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=58.2km s-min=36.1km az=10.0.								
ISCJB	Event type se. Error ellipse: s-maj=10.8km s-min=10.4km az=1.2.								
NEIC	Event type se. Error ellipse: s-maj=17.3km s-min=9.4km az=147.0.								
ISC	**VIII**	**22 05 23 14.5–.28**	**36.54N–.02**	**77.02E–.03**	**88–3**	**4.4b**	**251**	**3-151**	
SZGRF	VIII	22 05 22 52.3	35.91N	80.21E	33	4.6b			**¶13392306**
MOS	VIII	22 05 23 07.9–1.2	36.57N	76.79E	33	4.7b			
LDG	VIII	22 05 23 09.3–.14	36.44N	76.83E	60–0	4.5b,3.1s			
ISCJB	VIII	22 05 23 12.9–.34	36.54N–.02	76.99E–.03	89–4	4.4b,3.1s			
BJI	VIII	22 05 23 13.9	36.68N	76.93E	96	4.9b,4.6b			
IDC	VIII	22 05 23 14.4–4.4	36.65N	76.96E	82–37	4.2,4.0			
NEIC	VIII	22 05 23 16.1–.87	36.67N	76.95E	97–7	4.6b,4.0			
NNC	VIII	22 05 23 17.1–3.9	36.80N	77.29E	125–31	4.6,3.7b			
ISC	Event type ke.								
SZGRF	Kashmir-Xizang border region.								
MOS	Error ellipse: s-maj=10.2km s-min=5.1km az=118.4.								
LDG	Event type ke. Error ellipse: s-maj=6.2km s-min=5.6km az=27.0.								
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=160.0.								
IDC	Error ellipse: s-maj=26.1km s-min=16.1km az=10.0.								
NEIC	Event type se. Error ellipse: s-maj=9.2km s-min=7.3km az=186.0.								
NNC	Error ellipse: s-maj=37.3km s-min=29.8km az=71.0.								
ISC	**IX**	**21 00 14 07.3–1.7**	**36.47N–.03**	**77.33E–.09**	**21–15**		**29**	**3-40**	
IDC	IX	21 00 13 57.4–7.2	35.97N	77.25E	0	3.6b,3.6			**¶11514711**
NEIC	IX	21 00 14 04.0–9.4	35.94N	77.43E	60–38	3.6b,3.6			
BJI	IX	21 00 14 04.0	35.99N	77.37E	45	3.4L,3.6			
NNC	IX	21 00 14 20.6–3.9	37.22N	75.86E	0	3.7b,3.4			
ISC	Event type se.								
IDC	Error ellipse: s-maj=105.5km s-min=54.8km az=146.0.								
NEIC	Event type se. Error ellipse: s-maj=103.1km s-min=20.1km az=169.0.								
NNC	Error ellipse: s-maj=75.0km s-min=27.8km az=46.0.								
ISC	**X**	**30 12 05 00.3–1.6**	**36.32N–.03**	**76.60E–.07**	**8–12**	**3.6b**	**70**	**3-81**	
IDC	X	30 12 04 58.0–.92	36.29N	76.38E	0	3.8,3.7L			**¶11472857**
BJI	X	30 12 05 01.3	36.37N	76.53E	32	4.0L,4.0b			
NEIC	X	30 12 05 03.1–.59	36.20N	76.52E	35–9	3.5b,4.0b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=23.2km s-min=18.3km az=77.0.								
NEIC	Event type se. Error ellipse: s-maj=12.2km s-min=4.9km az=60.0.								
ISC	**XII**	**15 05 06 16.2–2.4**	**36.5N–.10**	**76.9E–.10**	**101–20**	**3.9b**	**20**	**6-78**	
IDC	XII	15 05 06 03.0–4.4	36.09N	76.80E	0	3.8b,3.8			**¶12077535**
ISCJB	XII	15 05 06 15.7–2.7	36.6N–.10	76.9E–.10	112–23	3.9b,3.8			
NEIC	XII	15 05 06 15.2–3.2	36.40N	76.96E	98–25	4.2b,3.8			
ISC	Event type se.								
IDC	Error ellipse: s-maj=92.9km s-min=36.4km az=123.0.								
ISCJB	Event type se. Error ellipse: s-maj=22.7km s-min=15.6km az=168.3.								
NEIC	Event type se. Error ellipse: s-maj=33.4km s-min=13.3km az=197.0.								
ISC	**XII**	**19 19 58 29.5–.26**	**36.25N–.02**	**76.35E–.04**	**10**	**4.0b**	**116**	**4-81**	
ISCJB	XII	19 19 58 27.5–.27	36.25N–.02	76.33E–.04	10	4.0b			**¶13403366**
IDC	XII	19 19 58 27.5–.88	36.20N	76.11E	0	4.0,3.9b			
NNC	XII	19 19 58 31.4–3.1	36.59N	75.96E	0	3.9b,3.8			
NEIC	XII	19 19 58 33.2–.58	36.20N	76.22E	42–7	4.0b,3.8			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.2km s-min=3.1km az=164.7.								
IDC	Error ellipse: s-maj=20.1km s-min=17.8km az=50.0.								
NNC	Error ellipse: s-maj=26.1km s-min=15.0km az=173.0.								
NEIC	Event type se. Error ellipse: s-maj=9.8km s-min=4.8km az=58.0.								
IDC	**XII**	**19 21 09 30.6–1.4**	**36.40N**	**76.31E**	**0**	**3.4b,3.4**			
									¶12078252
IDC	Error ellipse: s-maj=33.2km s-min=28.8km az=91.0.								

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ISC	**VII**	**03 05 56 55.2–.40**	**33.47N–.04**	**100.57E–.04**	**10**	**4.0b,3.3s**	**34**	**4-68**	
ISCJB	VII	03 05 56 53.3–.42	33.35N–.04	100.58E–.05	10	4.0b,3.3s			**¶11226984**
IDC	VII	03 05 56 54.5–1.4	33.54N	100.74E	0	3.8,3.7b			
NEIC	VII	03 05 56 56.6–.89	33.57N	100.70E	10	4.4b,3.7b			
BJI	VII	03 05 56 56.9	33.50N	100.53E	14	4.5b,4.3b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.8km s-min=5.5km az=24.8.								
IDC	Error ellipse: s-maj=37.2km s-min=22.0km az=50.0.								
NEIC	Event type se. Error ellipse: s-maj=20.1km s-min=10.4km az=100.0.								
BJI	**VII**	**03 06 01 51.6**	**33.57N**	**100.50E**	**15**	**3.8s,3.6L**			
									¶11479830
ISC	**VII**	**05 09 30 08.0–.64**	**33.08N–.05**	**92.1E–.10**	**10**	**3.6b**	**14**	**3-83**	
ISCJB	VII	05 09 30 05.7–.64	33.04N–.05	92.1E–.10	10	3.6b			**¶11810689**
IDC	VII	05 09 30 06.8–.92	33.06N	92.01E	0	3.7,3.6b			
NEIC	VII	05 09 30 08.4–.70	33.18N	92.14E	10	3.5b,3.6b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=15.0km s-min=7.1km az=8.8.								
IDC	Error ellipse: s-maj=38.0km s-min=19.0km az=53.0.								
NEIC	Event type se. Error ellipse: s-maj=14.2km s-min=12.9km az=49.0.								
ISC	**VII**	**05 10 24 24.3–.47**	**33.31N–.04**	**91.93E–.08**	**10**	**4.1b**	**41**	**4-83**	
ISCJB	VII	05 10 24 21.6–.46	33.21N–.04	92.02E–.07	10	4.1b			**¶13388245**
IDC	VII	05 10 24 21.8–.79	33.14N	91.89E	0	4.2,4.1b			
BJI	VII	05 10 24 22.4	33.15N	91.96E	16	4.5b,4.3b			
NEIC	VII	05 10 24 23.1–.57	33.14N	92.00E	10	4.0b,4.3b			
DMN	VII	05 10 24 57.4–4.7	31.13N	90.14E	10–0	5.0b,4.3b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=9.5km s-min=5.3km az=22.7.								
IDC	Error ellipse: s-maj=31.5km s-min=15.4km az=54.0.								
NEIC	Event type se. Error ellipse: s-maj=13.9km s-min=9.4km az=54.0.								
DMN	Event type ke. Error ellipse: s-maj=108.6km s-min=8.6km az=44.0.								
ISC	**VII**	**16 02 20 17.8–.56**	**33.10N–.04**	**92.0E–.10**	**10**	**3.7b,3.2s**	**19**	**3-82**	
ISCJB	VII	16 02 20 15.8–.56	33.08N–.04	92.0E–.10	10	3.7b,3.2s			**¶11480008**
IDC	VII	16 02 20 15.9–1.1	33.09N	91.95E	0	4.0,4.0L			
BJI	VII	16 02 20 18.8	33.03N	92.47E	8	4.4b,4.1L			
NEIC	VII	16 02 20 18.5–.67	33.33N	92.73E	10	3.5b,4.1L			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=14.4km s-min=6.2km az=5.4.								
IDC	Error ellipse: s-maj=39.8km s-min=20.0km az=58.0.								
NEIC	Event type se. Error ellipse: s-maj=19.3km s-min=8.7km az=64.0.								
ISC	**VII**	**16 22 58 20.0–.76**	**33.17N–.02**	**92.12E–.02**	**18–4**	**5.0b,4.9s**	**633**	**4-155**	
LDG	VII	16 22 58 17.0–.33	33.33N	91.88E	10–0	5.2b,4.7s			**¶13389417**
BJI	VII	16 22 58 17.4	33.15N	92.11E	15	5.4s,5.2			
IDC	VII	16 22 58 17.2–.47	33.21N	92.13E	0	4.9,4.9			
ISCJB	VII	16 22 58 18.2–.67	33.17N–.02	92.13E–.02	21–5	5.0b,4.9s			
NEIC	VII	16 22 58 20.1–1.3	33.17N	92.08E	20–9	5.1b,4.9s			
MOS	VII	16 22 58 20.0–.89	33.19N	92.09E	33	5.2b,4.8s			
SZGRF	VII	16 22 58 21.4	33.05N	92.41E	18	5.1b,5.0s			
GCMT	VII	16 22 58 24.3–.10	33.15N	92.24E	17–0	5.3W,5.0s			
ISC	Event type ke.								
LDG	Event type ke. Error ellipse: s-maj=15.2km s-min=6.6km az=139.0.								
IDC	Error ellipse: s-maj=15.9km s-min=11.2km az=35.0.								
ISCJB	Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=7.1.								
NEIC	Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=219.0.								
MOS	Error ellipse: s-maj=6.0km s-min=3.5km az=123.5.								
SZGRF	Qinghai, China.								
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c86; s88,c172; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39±.03 $M_{\theta\theta}$-0.70±.02; $M_{\phi\phi}$1.09±.03; $M_{r\theta}$-0.47±.06; $M_{\theta\phi}$0.76±.02; $M_{\phi r}$0.11±.06; Best double couple: NP1:ϕ_s159.00000°,δ68.00000°,λ-160.00000°. NP2:ϕ_s61.00000°,δ71.00000°,λ-23.00000°. Principal axes: T 1.3700,Plg2.0000° ,Azm111.0000°; N -0.1300,Plg61.0000°,Azm204.0000°; P -1.2400,Plg29.0000° ,Azm19.0000° M_o1.30000×10^{17}							
IDC	**VII**	**16 23 09 18.5–1.6**	**33.15N**	**92.03E**	**0**	**3.8,3.7b**			
									¶12698262
IDC	Error ellipse: s-maj=62.1km s-min=24.7km az=62.0.								
ISC	**VII**	**16 23 19 20.7–4.2**	**33.21N–.07**	**92.07E–.10**	**17–28**	**3.9b**	**26**	**8-83**	
IDC	VII	16 23 19 17.9–.87	33.14N	91.97E	0	4.0,3.9L			**¶11480020**
NEIC	VII	16 23 19 19.6–.27	33.21N	92.06E	10	3.7b,3.9L			
ISCJB	VII	16 23 19 20.8–2.8	33.28N–.05	92.13E–.09	32–23	3.9b,3.9L			
BJI	VII	16 23 19 23.1	33.14N	92.18E	27	3.7L,3.9L			
ISC	Event type se.								
IDC	Error ellipse: s-maj=37.5km s-min=17.6km az=55.0.								
NEIC	Event type se. Error ellipse: s-maj=8.0km s-min=4.1km az=55.0.								
ISCJB	Event type se. Error ellipse: s-maj=13.4km s-min=6.7km az=157.2.								

ISC VII 17 00 32 53.4–.42 33.16N–.04 91.87E–.07 10 3.5b 25 4-69
ISCJB VII 17 00 32 51.9–.42 33.23N–.04 91.91E–.07 10 3.5b ¶11811803
IDC VII 17 00 32 53.4–1.5 33.19N 91.92E 0 3.6L,3.6
NEIC VII 17 00 32 53.4–.42 33.21N 91.90E 10 3.5b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.2km az=164.4.
IDC Error ellipse: s-maj=64.4km s-min=22.6km az=64.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.5km az=50.0.
IDC VII 17 05 37 03.7–1.4 33.33N 92.04E 0 3.9,3.7L
¶12698266
IDC Error ellipse: s-maj=65.1km s-min=21.1km az=65.0.
ISC VII 17 09 12 49.0–.46 33.18N–.04 92.15E–.08 10 3.8b,2.8s 32 4-83
IDC VII 17 09 12 46.8–.83 33.10N 92.00E 0 4.0,3.9b ¶11480029
ISCJB VII 17 09 12 47.5–.47 33.28N–.04 92.28E–.08 10 3.8b,2.8s
NEIC VII 17 09 12 48.0–.49 33.03N 92.02E 10 3.8b,2.8s
BJI VII 17 09 12 48.2 33.23N 91.95E 16 4.2b,4.0b
DMN VII 17 09 14 30.3–.37 27.86N 86.54E 60–0 4.2b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=36.8km s-min=16.4km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.9km az=11.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.3km az=76.0.
DMN Event type ke. Error ellipse: s-maj=19.4km s-min=4.8km az=15.0.
ISC VII 17 15 40 35.6–.56 33.09N–.05 91.9E–.10 10 3.6b,2.7s 19 3-83
ISCJB VII 17 15 40 33.7–.57 33.05N–.06 91.9E–.10 10 3.6b,2.7s ¶11480030
IDC VII 17 15 40 34.4–.92 33.08N 91.91E 0 3.7b,3.7
NEIC VII 17 15 40 34.7–6.7 33.17N 91.99E 5–47 3.4b,3.7
BJI VII 17 15 40 38.5 33.02N 92.44E 12 3.6L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=7.3km az=163.7.
IDC Error ellipse: s-maj=38.6km s-min=18.5km az=55.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=10.9km az=73.0.
ISC VII 22 08 39 23.4–.34 33.34N–.03 92.11E–.06 10 4.1b 66 4-74
ISCJB VII 22 08 39 20.9–.33 33.26N–.04 92.15E–.05 10 4.1b ¶11480078
IDC VII 22 08 39 20.8–.90 33.16N 92.01E 0 4.3L,4.2
BJI VII 22 08 39 21.2 33.24N 92.03E 10 4.5b,4.4b
MOS VII 22 08 39 22.3–1.3 33.37N 92.03E 15 4.2b,4.4b
NEIC VII 22 08 39 22.7–.47 33.26N 92.22E 10 4.0b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.3km az=29.9.
IDC Error ellipse: s-maj=25.2km s-min=17.4km az=34.0.
MOS Error ellipse: s-maj=13.7km s-min=8.6km az=88.3.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.3km az=111.0.
ISC VII 27 11 18 18.0–.23 33.31N–.02 92.20E–.03 10 4.2b,3.9s 104 4-145
ISCJB VII 27 11 18 15.8–.23 33.28N–.02 92.22E–.03 10 4.2b,3.9s ¶13390247
BJI VII 27 11 18 15.7 33.16N 92.09E 13 4.7b,4.5s
IDC VII 27 11 18 15.7–.65 33.25N 92.07E 0 4.2,4.1
MOS VII 27 11 18 20.6–1.2 33.23N 92.18E 53 4.4b,4.1
NEIC VII 27 11 18 21.5–.86 33.24N 92.23E 45–10 4.0b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=3.4km az=173.5.
IDC Error ellipse: s-maj=22.9km s-min=13.5km az=41.0.
MOS Error ellipse: s-maj=10.8km s-min=6.6km az=105.9.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.3km az=71.0.
ISC VII 27 21 02 00.9–.64 33.21N–.04 91.9E–.10 10 3.5b 17 4-72
ISCJB VII 27 21 01 59.0–.64 33.19N–.04 91.9E–.10 10 3.5b ¶11812739
IDC VII 27 21 02 00.3–1.7 33.16N 92.10E 0 3.4,3.3
NEIC VII 27 21 02 01.6–.79 33.33N 91.91E 10 3.5b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=6.3km az=2.2.
IDC Error ellipse: s-maj=59.3km s-min=26.9km az=60.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.4km az=79.0.
BJI VII 30 10 42 32.1 34.11N 101.00E 12 3.6L
¶11480184
IDC VII 31 08 47 25.1–1.6 35.43N 92.40E 0 3.7,3.6
BJI VII 31 08 47 15.8 35.04N 92.31E 15 3.6s,3.6L ¶11480197
IDC Error ellipse: s-maj=68.7km s-min=23.0km az=57.0.
ISC VIII 01 01 10 08.7–.77 33.08N–.05 91.7E–.20 10 3.5b 8 3-69
ISCJB VIII 01 01 10 06.4–.76 33.04N–.05 91.6E–.20 10 3.5b ¶12580882
IDC VIII 01 01 10 07.1–1.8 33.00N 91.73E 0 3.7L,3.6
ISCJB Error ellipse: s-maj=22.9km s-min=7.1km az=179.7.
IDC Error ellipse: s-maj=69.5km s-min=23.6km az=68.0.
ISC VIII 03 03 37 24.8–2.7 33.2N–.10 92.2E–.20 18–20 3.5b 11 4-69
IDC VIII 03 03 37 20.1–2.5 33.10N 91.76E 0 3.7,3.6b ¶11377465
IDC Error ellipse: s-maj=92.6km s-min=29.8km az=76.0.
IDC VIII 04 06 46 20.0–1.7 33.12N 92.04E 0 3.8L,3.6
¶12580920
IDC Error ellipse: s-maj=58.0km s-min=26.9km az=65.0.
IDC VIII 04 12 58 43.6–1.6 33.17N 92.10E 0 3.7L,3.6
¶12580924
IDC Error ellipse: s-maj=66.3km s-min=24.0km az=67.0.
ISC VIII 05 21 39 00.5–.23 33.32N–.03 92.12E–.04 10 4.4b,3.5s 118 4-97
IDC VIII 05 21 38 57.9–.63 33.19N 92.22E 0 4.4b,4.4 ¶13390946
ISCJB VIII 05 21 38 58.4–.24 33.28N–.03 92.10E–.04 10 4.4b,3.5s
BJI VIII 05 21 38 59.2 33.31N 92.11E 10 4.6b,4.4b
NEIC VIII 05 21 39 00.2–.31 33.31N 92.08E 10 4.5b,4.4b
MOS VIII 05 21 39 01.0–1.2 33.23N 92.10E 33 4.5b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=13.4km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.1km az=139.5.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.2km az=220.0.
MOS Error ellipse: s-maj=10.4km s-min=6.5km az=106.0.
ISC VIII 05 21 54 04.2–2.7 33.25N–.06 92.1E–.10 4–20 3.6b 25 4-72
IDC VIII 05 21 54 02.9–1.1 33.16N 92.05E 0 3.8,3.7b ¶11652811
NEIC VIII 05 21 54 04.7–.37 33.22N 92.07E 10 3.6b,3.7b
BJI VIII 05 21 54 10.5 33.35N 92.51E 8 3.7L,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=19.7km az=57.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.8km az=78.0.
ISC VIII 05 21 59 44.8–.13 33.18N–.02 91.99E–.02 10 5.0b,4.4s 579 4-163
LDG VIII 05 21 59 42.9–.26 33.31N 91.73E 10–0 5.2b,4.2s ¶13390949
ISCJB VIII 05 21 59 42.8–.13 33.19N–.02 92.01E–.02 10 5.0b,4.4s
IDC VIII 05 21 59 42.7–.41 33.13N 92.07E 0 4.9,4.8
NEIC VIII 05 21 59 44.2–.16 33.12N 91.97E 10 5.2b,4.5s
BJI VIII 05 21 59 44.0 33.16N 92.11E 13 5.0s,5.0L
MOS VIII 05 21 59 45.8–.89 33.15N 92.02E 33 5.2b,4.4s
GCMT VIII 05 21 59 49.6–.20 33.13N 92.22E 15–0 5.0W,4.4s
SZGRF VIII 05 21 59 50.4 33.37N 91.65E 33 5.1b,4.5s
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=11.8km s-min=4.4km az=120.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=3.6.
IDC Error ellipse: s-maj=14.9km s-min=10.4km az=43.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.6km az=206.0.
MOS Error ellipse: s-maj=7.3km s-min=3.7km az=125.8.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s36,c46; s67,c116; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.93±.14 $M_{\theta\theta}$-2.51±.10; $M_{\phi\phi}$4.44±.12; $M_{r\theta}$-1.93±.37; $M_{\theta\phi}$1.39±.08; $M_{\phi r}$0.86±.32; Best double couple: NP1:ϕ_s49.00000°,δ60.00000°,λ-27.00000°. NP2:ϕ_s153.00000°,δ67.00000°,λ-147.00000°. Principal axes: T 4.7500,Plg4.0000° ,Azm280.0000°; N -0.2800,Plg50.0000°,Azm184.0000°; P -4.4700,Plg39.0000° ,Azm13.0000° M_o4.60000×10^{16}
SZGRF Qinghai, China.
ISC VIII 09 12 40 13.0–.88 33.45N–.09 91.8E–.20 10 3.3b 13 4-72
IDC VIII 09 12 40 08.5–1.9 33.04N 91.78E 0 3.6,3.5 ¶12580993
ISCJB VIII 09 12 40 11.1–.86 33.46N–.09 91.7E–.20 10 3.3b,3.5
ISC VIII 10 17 57 16.8–.84 33.2N–.10 92.2E–.20 10 3.7b 7 16-69
ISCJB VIII 10 17 57 14.9–.84 33.2N–.10 92.2E–.20 10 3.7b ¶11908051
IDC VIII 10 17 57 15.2–1.3 33.22N 92.12E 0 3.9,3.8
NEIC VIII 10 17 57 20.3–2.6 33.20N 92.28E 37–33 4.5b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=13.9km az=156.7.
IDC Error ellipse: s-maj=43.2km s-min=25.1km az=60.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=13.1km az=60.0.

ISC VIII 10 17 57 23.8–.38 33.21N–.04 92.08E–.06 10 4.0b 43 4-82
BJI VIII 10 17 57 18.6 32.86N 92.40E 10 4.9b,4.6b ¶11652878
ISCJB VIII 10 17 57 21.6–.38 33.20N–.04 92.07E–.06 10 4.0b,4.6b
IDC VIII 10 17 57 21.6–.88 33.16N 91.98E 0 4.1,4.1
NEIC VIII 10 17 57 23.9–4.3 33.16N 92.05E 14–27 4.1b,4.1
GCMT VIII 10 17 57 27.4–.40 33.13N 92.20E 23–1 4.8W,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.9km az=14.6.
IDC Error ellipse: s-maj=27.9km s-min=16.2km az=45.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=8.5km az=55.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s15,c18; s51,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.38±.20 $M_{\theta\theta}$-0.45±.11; $M_{\phi\phi}$1.83±.13; $M_{r\theta}$-0.23±.19; $M_{\theta\phi}$1.19±.09; $M_{\phi r}$0.29±.15; Best double couple: NP1:ϕ_s49.00000°,δ49.00000°,λ-51.00000°. NP2:ϕ_s179.00000°,δ54.00000°,λ-126.00000°. Principal axes: T 2.3500,Plg3.0000° ,Azm293.0000°; N -0.7900,Plg28.0000°,Azm201.0000°; P -1.5600,Plg62.0000° ,Azm28.0000° M_o2.00000×10^{16}
ISC VIII 18 14 11 04.9–1.1 33.65N–.02 91.86E–.03 3–6 4.8s,4.6b 215 4-155
ISCJB VIII 18 14 11 02.7–.96 33.62N–.02 91.83E–.03 3–6 4.8s,4.6b ¶13392016
SZGRF VIII 18 14 11 03.1 32.80N 93.22E 33 4.5b,4.6b
BJI VIII 18 14 11 03.4 33.50N 91.73E 13 5.2s,4.9
IDC VIII 18 14 11 03.6–.59 33.60N 91.78E 0 4.6,4.6s
NEIC VIII 18 14 11 05.6–.33 33.63N 91.92E 10 4.7b,4.6s
MOS VIII 18 14 11 07.3–1.3 33.64N 91.93E 33 4.8b,4.7s
GCMT VIII 18 14 11 10.0–.20 33.65N 91.93E 23–0 5.3W,4.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.4km az=40.8.
SZGRF Xizang.
IDC Error ellipse: s-maj=23.5km s-min=12.6km az=46.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.6km az=46.0.
MOS Error ellipse: s-maj=10.1km s-min=5.3km az=117.4.
GCMT Event type se. Data Used: II CN IC IU G. Moment Tensor Solution. s50,c68; s87,c172; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.42±.23 $M_{\theta\theta}$-3.15±.19; $M_{\phi\phi}$3.57±.20; $M_{r\theta}$-1.01±.28; $M_{\theta\phi}$8.82±.18; $M_{\phi r}$0.15±.28; Best double couple: NP1:ϕ_s170.00000°,δ84.00000°,λ-178.00000°. NP2:ϕ_s79.00000°,δ88.00000°,λ-6.00000°. Principal axes: T 9.6700,Plg3.0000° ,Azm125.0000°; N -0.3500,Plg84.0000°,Azm238.0000°; P -9.3200,Plg6.0000°,Azm34.0000° M_o9.50000×10^{16}
ISC VIII 19 22 53 28.1–.31 33.33N–.03 92.28E–.05 10 4.1b,3.8s 51 4-99
ISCJB VIII 19 22 53 25.8–.31 33.31N–.03 92.30E–.05 10 4.1b,3.8s ¶11653004
IDC VIII 19 22 53 25.8–.69 33.14N 92.04E 0 4.2,4.1
BJI VIII 19 22 53 26.0 33.10N 91.98E 19 4.6b,4.6b
NEIC VIII 19 22 53 27.2–.42 33.16N 92.21E 10 4.0b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.2km az=11.3.
IDC Error ellipse: s-maj=25.3km s-min=14.5km az=51.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.9km az=218.0.
ISC VIII 22 00 01 15.8–.27 33.26N–.03 92.08E–.05 10 4.1b,3.7s 114 4-103
LDG VIII 22 00 01 08.9–.29 33.07N 92.50E 10–0 4.7b,3.6s ¶11277422
ISCJB VIII 22 00 01 13.5–.27 33.23N–.03 92.10E–.05 10 4.1b,3.7s
IDC VIII 22 00 01 14.4–.65 33.18N 92.00E 0 4.2,4.1
NEIC VIII 22 00 01 15.7–.27 33.16N 92.02E 10 4.0b,4.1
MOS VIII 22 00 01 16.8–.98 33.16N 92.03E 33 4.3b,4.1
BJI VIII 22 00 01 16.8 33.30N 92.17E 9 4.4b,4.3s
DMN VIII 22 00 01 53.6–12 31.56N 89.38E 10–0 5.2b,4.3s
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=12.8km s-min=4.1km az=126.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=9.7.
IDC Error ellipse: s-maj=26.7km s-min=13.3km az=55.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=223.0.
MOS Error ellipse: s-maj=14.5km s-min=6.7km az=116.6.
DMN Event type ke. Error ellipse: s-maj=298.3km s-min=15.4km az=48.0.
IDC VIII 24 20 19 57.4–1.4 33.23N 92.22E 0 4.0L,3.6
¶12581352
IDC Error ellipse: s-maj=61.6km s-min=21.1km az=64.0.
ISC VIII 24 20 54 15.5–6.0 33.22N–.07 92.1E–.20 14–41 3.5b 8 8-74
IDC VIII 24 20 54 11.9–2.4 33.13N 91.71E 0 3.8,3.6 ¶12581355
IDC Error ellipse: s-maj=93.6km s-min=26.3km az=77.0.
ISC VIII 28 00 04 44.2–.43 37.82N–.08 101.54E–.06 10 4.0b 42 2-65
ISCJB VIII 28 00 04 42.5–.39 37.88N–.07 101.53E–.06 10 4.0b ¶11653108
IDC VIII 28 00 04 42.7–2.0 37.74N 101.54E 0 3.8,3.7b
NEIC VIII 28 00 04 43.6–.41 37.70N 101.55E 10 4.1b,3.7b
BJI VIII 28 00 04 45.3 37.94N 101.29E 14 4.5b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.2km az=30.7.
IDC Error ellipse: s-maj=39.5km s-min=23.8km az=3.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.0km az=190.0.
ISC VIII 30 21 28 35.7–.94 35.69N–.07 97.87E–.05 10 14 4-26
IDC VIII 30 21 28 26.9–13 34.88N 98.12E 0 3.5,3.5 ¶11653144
ISCJB VIII 30 21 28 34.4–.92 35.80N–.07 97.93E–.06 10 3.5,3.5
BJI VIII 30 21 28 43.3 35.71N 97.35E 35 3.3L,3.5
NEIC VIII 30 21 28 44.1–6.6 36.13N 97.62E 35 3.4b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=198.5km s-min=67.8km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.1km az=3.0.
NEIC Event type se. Error ellipse: s-maj=94.5km s-min=21.8km az=163.0.
ISC IX 02 03 27 56.4–1.6 35.63N–.05 99.71E–.06 4–10 3.9b,3.2s 35 3-67
IDC IX 02 03 27 55.2–1.0 35.59N 99.61E 0 4.0,4.0L ¶11909254
BJI IX 02 03 27 57.4 35.50N 99.69E 23 4.2b,4.1L
NEIC IX 02 03 27 58.7–2.9 35.60N 99.73E 24–24 3.9b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=18.2km az=39.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=7.6km az=69.0.
ISC IX 08 17 41 07.5–.47 35.63N–.05 99.44E–.06 10 3.6b 26 4-67
ISCJB IX 08 17 41 05.4–.49 35.60N–.06 99.42E–.06 10 3.6b ¶11909826
IDC IX 08 17 41 05.7–.88 35.48N 99.44E 0 3.8,3.7L
BJI IX 08 17 41 06.0 35.55N 99.43E 13 3.7b,3.6s
NEIC IX 08 17 41 07.4–.51 35.57N 99.46E 10 3.6b,3.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.9km az=22.1.
IDC Error ellipse: s-maj=29.6km s-min=17.1km az=52.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.1km az=72.0.
ISC IX 12 01 30 08.5–1.3 33.06N–.04 96.97E–.05 15–9 3.9b 43 6-77
IDC IX 12 01 30 05.8–.67 33.12N 96.90E 0 4.0L,4.0 ¶11377904
NEIC IX 12 01 30 07.8–.49 33.13N 97.03E 10 4.0b,4.0
ISCJB IX 12 01 30 08.4–1.4 33.01N–.05 96.84E–.05 29–12 3.9b,4.0
BJI IX 12 01 30 08.6 33.12N 96.87E 11 4.1b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=24.2km s-min=14.4km az=52.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=8.3km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.0km az=153.8.
ISC IX 15 13 35 42.5–1.2 34.37N–.07 94.2E–.10 53–14 3.6b,2.6s 14 5-70
BJI IX 15 13 35 33.3 34.20N 93.81E 15 3.4L,3.1 ¶11910334
IDC IX 15 13 35 35.5–1.1 34.28N 94.43E 0 3.6,3.5b
ISCJB IX 15 13 35 40.5–1.4 34.37N–.07 94.2E–.10 52–17 3.6b,2.6s
NEIC IX 15 13 35 40.7–.67 34.37N 94.22E 35 3.6b,2.6s
ISC Event type se.
IDC Error ellipse: s-maj=42.2km s-min=22.8km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=12.0km az=10.6.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=10.9km az=85.0.
ISC IX 28 11 51 39.0–.53 37.54N–.08 94.46E–.06 10 3.7b 26 5-84
ISCJB IX 28 11 51 37.1–.53 37.51N–.08 94.49E–.06 10 3.7b ¶11911269
BJI IX 28 11 51 37.3 37.73N 94.33E 12 4.3b,4.2L
IDC IX 28 11 51 37.7–.82 37.43N 94.42E 0 3.9L,3.9
NEIC IX 28 11 51 39.1–.68 37.55N 94.45E 10 3.9b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=6.6km az=16.9.
IDC Error ellipse: s-maj=25.4km s-min=14.8km az=53.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.5km az=53.0.
BJI IX 30 04 10 41.4 33.54N 97.36E 12 3.7L
¶12608903
ISC IX 30 15 32 41.0–1.4 37.88N–.05 101.30E–.07 12–10 3.8b,2.8s 23 2-68
IDC IX 30 15 32 39.1–.96 37.90N 101.64E 0 3.8,3.7 ¶11911463

NEIC IX 30 15 32 41.2–.72 37.89N 101.87E 10 3.8b,3.7
BJI IX 30 15 32 42.7 37.94N 101.63E 18 4.0b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=18.6km az=81.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=12.4km az=91.0.
ISC X 03 00 33 18.4–.40 33.30N–.05 92.03E–.07 10 3.8b 42 4-72
ISCJB X 03 00 33 16.3–.38 33.26N–.05 92.05E–.07 10 3.8b **¶12065748**
IDC X 03 00 33 16.8–1.0 33.21N 92.00E 0 4.2L,3.9s
NEIC X 03 00 33 18.1–.40 33.24N 91.99E 10 3.9b,3.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.7km az=149.7.
IDC Error ellipse: s-maj=33.1km s-min=19.2km az=61.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.1km az=36.0.
ISC X 05 15 11 43.5–.52 33.16N–.04 92.1E–.10 10 3.7b 30 4-72
ISCJB X 05 15 11 41.5–.49 33.11N–.04 92.06E–.09 10 3.7b **¶12066014**
IDC X 05 15 11 41.9–.93 33.17N 92.24E 0 3.8,3.7b
NEIC X 05 15 11 44.0–.63 33.30N 92.42E 10 3.5b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=6.2km az=3.9.
IDC Error ellipse: s-maj=39.3km s-min=17.1km az=60.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=9.9km az=70.0.
ISC X 11 16 11 38.0–.00 37.45N–.08 96.68E–.06 10 3.2b 9 3-70
ISCJB X 11 16 11 36.4–1.1 37.46N–.09 96.75E–.08 10 3.2b **¶12066595**
IDC X 11 16 11 37.8–1.6 37.36N 96.48E 0 3.4b,3.3
BJI X 11 16 11 44.0 37.36N 96.64E 12 3.2L,3.3
ISCJB Error ellipse: s-maj=13.8km s-min=8.9km az=162.7.
IDC Error ellipse: s-maj=59.6km s-min=26.4km az=53.0.
ISC X 20 14 26 32.5–1.1 35.28N–.02 91.23E–.03 5–7 4.4b,4.4s 232 6-152
IDC X 20 14 26 30.6–.56 35.18N 91.22E 0 4.3,4.3 **¶13397610**
BJI X 20 14 26 30.8 35.29N 91.19E 10 4.9s,4.8b
NEIC X 20 14 26 32.5–2.6 35.34N 91.26E 9–17 4.5b,4.8b
MOS X 20 14 26 34.5–1.6 35.22N 91.19E 33 4.9b,4.8b
GCMT X 20 14 26 35.0–.20 35.26N 91.32E 23–1 5.0W,4.8b
SZGRF X 20 14 26 50.0 36.36N 90.19E 33 4.8b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=12.2km az=36.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=69.0.
MOS Error ellipse: s-maj=8.2km s-min=5.1km az=116.5.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s24,c28; s83,c141; Moment tensor: Scale 10^{16}Nm; M_{rr}0.09±.16 $M_{\theta\theta}$-2.54±.12; $M_{\phi\phi}$2.45±.11; $M_{r\theta}$0.35±.18; $M_{\theta\phi}$3.17±.11; $M_{\phi r}$-0.12±.17; Best double couple: NP1:ϕ_s341.00000°,δ86.00000°,λ-177.00000°. NP2:ϕ_s251.00000°,δ87.00000°,λ-4.00000°. Principal axes: T 3.9900,Plg1.0000° ,Azm296.0000°; N 0.1300,Plg85.0000°,Azm33.0000°; P -4.1100,Plg5.0000°,Azm206.0000° $M_0$4.10000×10^{16}
SZGRF Southern Xinjiang, China.
ISC X 20 14 49 58.0–1.4 37.7N–.10 92.6E–.10 10 3.6b 15 6-45
IDC X 20 14 49 50.3–6.6 37.23N 93.06E 0 3.9L,3.9 **¶12069134**
BJI X 20 14 49 51.9 37.14N 92.46E 19 3.9L,3.5s
NEIC X 20 14 49 54.2–5.0 37.40N 92.81E 10 3.7b,3.5s
ISCJB X 20 14 49 56.2–1.3 37.8N–.10 92.6E–.10 10 3.6b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 20 15 08 48.7–1.1 33.79N–.03 92.72E–.03 25–8 4.2b,4.1s 158 4-153
IDC X 20 15 08 44.1–.63 33.70N 92.67E 0 4.2,4.1 **¶11360335**
ISCJB X 20 15 08 45.7–1.0 33.78N–.03 92.76E–.03 21–8 4.2b,4.1s
BJI X 20 15 08 46.2 33.86N 92.74E 19 4.8b,4.6s
MOS X 20 15 08 47.5–1.2 33.80N 92.72E 33 4.6b,4.6s
NEIC X 20 15 08 48.4–2.0 33.85N 92.78E 25–16 4.1b,4.6s
GCMT X 20 15 08 49.0–.30 33.69N 92.80E 21–1 4.8W,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=13.5km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=4.2km az=171.5.
MOS Error ellipse: s-maj=9.5km s-min=5.6km az=101.3.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.8km az=82.0.
GCMT Event type se. Data Used: IU G II IC CN. Moment Tensor Solution. s11,c11; s69,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.07±.11 $M_{\theta\theta}$0.42±.08; $M_{\phi\phi}$-0.35±.08; $M_{r\theta}$-0.14±.14; $M_{\theta\phi}$2.04±.07; $M_{\phi r}$0.03±.14; Best double couple: NP1:ϕ_s185.00000°,δ86.00000°,λ-179.00000°. NP2:ϕ_s95.00000°,δ89.00000°,λ-4.00000°. Principal axes: T 2.1100,Plg2.0000° ,Azm140.0000°; N -0.0700,Plg86.0000°,Azm265.0000°; P -2.0500,Plg3.0000°,Azm50.0000° $M_0$2.10000×10^{16}
ISC X 26 17 39 32.3–.67 38.68N–.08 96.18E–.06 10 3.4b 22 3-71
ISCJB X 26 17 39 30.3–.69 38.66N–.08 96.19E–.07 10 3.4b **¶12071173**
IDC X 26 17 39 30.8–1.1 38.59N 96.20E 0 3.5,3.4L
NEIC X 26 17 39 34.0–6.2 38.66N 96.09E 24–51 3.5,3.4L
BJI X 26 17 39 33.3 38.72N 96.19E 13 3.3L,3.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=7.6km az=7.7.
IDC Error ellipse: s-maj=27.9km s-min=18.4km az=60.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=15.2km az=216.0.
ISC XI 03 12 00 29.8–.55 38.18N–.05 98.76E–.06 10 3.5b,3.2s 24 1-70
ISCJB XI 03 12 00 27.9–.55 38.18N–.05 98.78E–.06 10 3.5b,3.2s **¶12072120**
IDC XI 03 12 00 29.0–1.2 38.12N 98.93E 0 3.8,3.7L
BJI XI 03 12 00 29.4 38.12N 98.93E 6 3.8L,3.6s
NEIC XI 03 12 00 30.3–.58 38.15N 98.68E 10 3.3b,3.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=6.7km az=30.0.
IDC Error ellipse: s-maj=36.9km s-min=19.6km az=72.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.3km az=56.0.
ISC XI 09 00 12 06.5–1.5 33.14N–.07 96.94E–.08 15–13 3.6b,2.9s 29 6-87
IDC XI 09 00 12 03.9–1.0 32.80N 96.38E 0 3.7,3.6b **¶12072891**
BJI XI 09 00 12 10.0 32.96N 96.68E 30 4.1b,3.7L
NEIC XI 09 00 12 12.7–2.0 33.07N 96.63E 63–21 4.1b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=51.3km s-min=18.8km az=61.0.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=13.0km az=100.0.
ISC XI 10 01 21 59.7–.50 37.62N–.01 95.89E–.01 0–3 6.5s,6.3b 1959 4-169
IDC XI 10 01 21 58.9–.27 37.59N 95.97E 0 6.3s,6.3 **¶13399710**
ISCJB XI 10 01 21 59.6–.07 37.58N–.01 95.81E–.01 10 6.5s,6.2b
BJI XI 10 01 21 59.1 37.66N 95.91E 16 6.6s,6.5L
MOS XI 10 01 22 02.5–.90 37.50N 95.94E 39 6.5s,6.4b
NEIC XI 10 01 22 02.6–.09 37.57N 95.83E 19 6.4b,6.4s
NNC XI 10 01 22 05.8–1.9 38.01N 95.36E 6–13 6.1b,6.4s
SZGRF XI 10 01 22 06.0 37.85N 95.84E 33 6.7s,6.6b
DJA XI 10 01 22 08 37.81N 95.79E 78 6.6W,6.6b
GCMT XI 10 01 22 10.2–.10 37.51N 95.75E 27–0 6.3W,6.6b
BGS XI 10 01 22 15.5–2.3 38.54N 93.25E 20–0 6.7s,5.8b
ISC Event type de.
IDC Error ellipse: s-maj=7.7km s-min=5.6km az=51.0.
ISCJB Event type de. Error ellipse: s-maj=2.0km s-min=1.4km az=19.5.
MOS Error ellipse: s-maj=5.5km s-min=3.5km az=124.4.
NEIC Event type de. Error ellipse: s-maj=2.6km s-min=2.2km az=19.0. Three people injured, several buildings damaged and utilities disrupted at the Dameigou Coal Mine. Damage at the mine was estimated at 4 million US dollars. Several homes collapsed at Golmud. About 20 homes damaged and utilities disrupted at Da Qaidam. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s134 Moment tensor: Scale 10^{18}Nm; M_{rr}1.40 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$-0.14 $M_{r\theta}$0.81 $M_{\theta\phi}$0.05 $M_{\phi r}$-0.30 Best double couple: NP1:ϕ_s265.00000°,δ29.00000°,λ76.00000°. NP2:ϕ_s101.00000° ,δ61.00000°,λ98.00000°. Principal axes: T 1.6700,Plg72.0000°,Azm29.0000° ; N -0.1700,Plg6.0000°,Azm277.0000°; P -1.5000,Plg16.0000°,Azm185.0000° $M_0$1.60000×10^{18}
NNC Error ellipse: s-maj=19.1km s-min=10.8km az=21.0.
SZGRF Qinghai, China.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=114, comp=279, per= 50. Moment Tensor Solution. s109,c262; s94,c142; Moment tensor: Scale 10^{18}Nm; M_{rr}2.51±.03 $M_{\theta\theta}$-3.48±.02; $M_{\phi\phi}$0.97±.02; $M_{r\theta}$2.49±.05; $M_{\theta\phi}$0.20±.02; $M_{\phi r}$-0.99±.05; Best double couple: NP1:ϕ_s252.00000°,δ28.00000°,λ57.00000°. NP2:ϕ_s108.00000°,δ67.00000°,λ106.00000°. Principal axes: T 3.6900,Plg64.0000°,Azm45.0000°; N 0.7500,Plg15.0000°,Azm282.0000° ; P -4.4300,Plg20.0000°,Azm186.0000° $M_0$4.10000×10^{18}
BGS Error ellipse: s-maj=599.9km s-min=913.6km az=-1.0.
ISC XI 10 01 50 28.6–.60 37.59N–.08 95.8E–.10 10 3.9b 36 13-85
ISCJB XI 10 01 50 26.7–.61 37.58N–.09 95.9E–.10 10 3.9b **¶12073016**
IDC XI 10 01 50 26.9–.92 37.57N 95.88E 0 4.1L,4.0
NEIC XI 10 01 50 28.7–.53 37.58N 95.78E 10 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=10.6km az=139.6.
IDC Error ellipse: s-maj=29.7km s-min=18.1km az=38.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.8km az=63.0.
IDC XI 10 01 53 06.7–1.5 37.52N 95.76E 0 4.0b,4.0
¶12073017
IDC Error ellipse: s-maj=36.4km s-min=24.3km az=40.0.
ISC XI 10 01 59 48.5–4.9 37.57N–.09 95.8E–.10 16–31 3.8b 35 13-85
ISCJB XI 10 01 59 45.9–5.0 37.59N–.09 95.8E–.10 11–33 3.8b **¶12073018**
IDC XI 10 01 59 45.8–.88 37.61N 95.87E 0 4.0,3.9
NEIC XI 10 01 59 47.8–.60 37.58N 95.70E 10 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=12.5km az=37.7.
IDC Error ellipse: s-maj=28.7km s-min=17.7km az=39.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.6km az=55.0.
ISC XI 10 02 22 41.4–3.6 37.68N–.07 95.93E–.10 10–23 3.9b 47 9-85
IDC XI 10 02 22 39.5–.73 37.60N 95.97E 0 4.0,3.9b **¶12073019**
ISCJB XI 10 02 22 40.8–2.7 37.66N–.06 95.86E–.09 18–21 3.9b,3.9b
NEIC XI 10 02 22 41.7–.49 37.65N 95.83E 10 3.9b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=15.1km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=8.8km az=140.9.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.1km az=62.0.
IDC XI 10 03 37 11.4–1.0 37.59N 96.10E 0 3.7,3.6L
¶12073027
IDC Error ellipse: s-maj=44.2km s-min=18.1km az=50.0.
ISC XI 10 03 47 22.5–1.2 37.55N–.03 95.80E–.02 7–7 4.8b,4.3s 611 4-155
SZGRF XI 10 03 47 13.0 37.55N 99.54E 33 5.5b,4.3s **¶11415157**
IDC XI 10 03 47 20.8–.42 37.56N 95.91E 0 4.7,4.7
BJI XI 10 03 47 21.3 37.72N 95.82E 8 5.0b,4.8L
ISCJB XI 10 03 47 22.0–.13 37.53N–.02 95.73E–.02 13 4.8b,4.3s
NEIC XI 10 03 47 23.0–.13 37.56N 95.76E 10 5.0b,4.3s
MOS XI 10 03 47 24.5–.79 37.54N 95.80E 33 5.1b,4.2s
DJA XI 10 03 47 28 37.65N 95.56E 56 4.9W,4.2s
NNC XI 10 03 47 35.8–2.9 37.89N 94.34E 26–23 4.7b,4.2s
ISC Event type se.
SZGRF Qinghai, China.
IDC Error ellipse: s-maj=17.8km s-min=8.6km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.6km az=176.3.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=3.0km az=156.0.
MOS Error ellipse: s-maj=6.8km s-min=4.0km az=122.7.
NNC Error ellipse: s-maj=19.7km s-min=10.8km az=24.0.
ISC XI 10 04 39 48.9–.47 37.59N–.06 95.94E–.04 10 4.1b 58 4-85
ISCJB XI 10 04 39 47.5–.45 37.62N–.06 95.83E–.04 10 4.1b **¶12073031**
IDC XI 10 04 39 47.5–.63 37.59N 95.92E 0 4.2,4.1b
BJI XI 10 04 39 49.4 37.66N 95.86E 8 4.5b,4.1L
NEIC XI 10 04 39 49.1–.42 37.52N 95.75E 10 4.3b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=14.0.
IDC Error ellipse: s-maj=24.6km s-min=13.3km az=48.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.3km az=49.0.
ISC XI 10 05 40 16.1–.50 37.57N–.06 95.94E–.04 10 3.7b 39 4-85
ISCJB XI 10 05 40 14.2–.51 37.57N–.06 95.91E–.05 10 3.7b **¶12073034**
IDC XI 10 05 40 14.5–.79 37.52N 95.99E 0 3.9,3.9L
BJI XI 10 05 40 15.8 37.68N 95.93E 10 4.3b,4.1L
NEIC XI 10 05 40 16.1–.59 37.52N 95.87E 10 3.8b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.2km az=11.8.
IDC Error ellipse: s-maj=27.6km s-min=16.2km az=53.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.1km az=51.0.
BJI XI 10 06 01 26.3 37.50N 95.75E 12 4.1b,3.7s
¶12789924
ISC XI 10 09 50 12.3–1.8 37.60N–.07 95.86E–.06 5–13 3.8b 27 4-77
IDC XI 10 09 50 11.5–1.3 37.57N 95.87E 0 3.9b,3.9L **¶12073051**
ISCJB XI 10 09 50 12.9–1.8 37.60N–.08 95.76E–.08 24–15 3.8b,3.9L
NEIC XI 10 09 50 13.2–.89 37.62N 95.75E 10 3.8b,3.9L
BJI XI 10 09 50 17.2 37.67N 95.87E 22 4.0b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=33.0km s-min=19.9km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=10.3km az=154.9.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.2km az=86.0.
ISC XI 11 21 56 00.7–.77 37.54N–.02 95.86E–.02 1–4 5.2b,4.8s 1030 4-166
BJI XI 11 21 55 59.3 37.68N 95.75E 10 5.4L,5.3s **¶13399870**
IDC XI 11 21 55 59.8–.42 37.56N 95.98E 0 5.0,5.0
ISCJB XI 11 21 56 00.5–.10 37.54N–.02 95.78E–.02 10 5.2b,4.8s
NEIC XI 11 21 56 01.8–.12 37.54N 95.84E 10 5.4b,4.8s
MOS XI 11 21 56 03.2–.84 37.53N 95.89E 32 5.5b,4.9s
GCMT XI 11 21 56 04.6–.20 37.52N 95.82E 24–1 5.1W,4.9s
SZGRF XI 11 21 56 04.8 37.26N 96.17E 33 5.3b,5.0s
DJA XI 11 21 56 05 37.79N 95.53E 10 5.3b,5.0s
NNC XI 11 21 56 10.0–5.2 38.02N 95.26E 23–36 5.2b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=10.6km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=2.6km s-min=1.9km az=10.6.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.8km az=220.0.
MOS Error ellipse: s-maj=5.7km s-min=3.4km az=122.8.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s37,c57; s86,c134; Moment tensor: Scale 10^{16}Nm; M_{rr}2.07±.17 $M_{\theta\theta}$-0.96±.11; $M_{\phi\phi}$-1.12±.12; $M_{r\theta}$3.33±.22; $M_{\theta\phi}$4.03±.10; $M_{\phi r}$-1.26±.16; Best double couple: NP1:ϕ_s357.00000°,δ41.00000°,λ158.00000°. NP2:ϕ_s104.00000°,δ76.00000°,λ51.00000°. Principal axes: T 4.5700,Plg45.0000° ,Azm335.0000°; N 1.7700,Plg37.0000°,Azm114.0000°; P -6.3500,Plg22.0000° ,Azm222.0000° $M_0$5.50000×10^{16}
SZGRF Qinghai, China.
NNC Error ellipse: s-maj=36.8km s-min=22.8km az=30.0.
ISC XI 12 01 45 24.5–1.5 37.60N–.05 95.78E–.04 26–10 4.5b,3.8s 179 4-142
IDC XI 12 01 45 19.7–.56 37.59N 96.00E 0 4.4,4.3L **¶13399881**
BJI XI 12 01 45 20.8 37.83N 95.88E 13 4.9b,4.6b
MOS XI 12 01 45 21.3–.94 37.55N 95.86E 23 4.6b,4.6b
NEIC XI 12 01 45 21.5–.28 37.53N 95.85E 10 4.5b,4.6b
ISCJB XI 12 01 45 22.8–1.5 37.58N–.05 95.77E–.04 29–10 4.5b,3.8s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 12 10 06 11.5–2.1 37.72N–.06 95.71E–.05 10–15 3.8b 36 4-71
IDC XI 12 10 06 10.0–.86 37.77N 95.74E 0 3.9,3.8b **¶12073286**
BJI XI 12 10 06 10.3 37.78N 95.97E 4 4.5b,4.2b
NEIC XI 12 10 06 11.7–.54 37.74N 95.75E 10 3.6b,4.2b
ISCJB XI 12 10 06 12.1–1.3 37.76N–.06 95.67E–.06 28–10 3.8b,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 12 10 54 44.4–1.4 37.4N–.10 96.1E–.10 10 8 4-70
ISCJB XI 12 10 54 41.9–1.4 37.4N–.10 96.1E–.10 10 **¶12073291**
IDC XI 12 10 54 44.0–2.2 37.26N 96.39E 0 3.6,3.5b
BJI XI 12 10 54 47.8 37.48N 96.03E 15 3.3L,3.5b
ISCJB Error ellipse: s-maj=21.5km s-min=10.1km az=153.8.
IDC Error ellipse: s-maj=66.8km s-min=38.5km az=70.0.
ISC XI 12 12 09 29.8–1.1 37.54N–.02 95.93E–.02 0–6 5.2b,4.2s 680 4-169
IDC XI 12 12 09 28.9–.42 37.53N 95.99E 0 5.0,4.9 **¶11434453**
BJI XI 12 12 09 28.6 37.63N 95.92E 10 5.2L,4.9s
ISCJB XI 12 12 09 29.7–.11 37.53N–.02 95.84E–.02 10 5.1b,4.2s
TEH XI 12 12 09 31.0 37.60N 95.87E 10 5.1b,4.2s
NEIC XI 12 12 09 31.2–.17 37.57N 95.93E 10 5.2b,4.2s
MOS XI 12 12 09 32.4–.93 37.62N 95.95E 30 5.2b,4.0s
SZGRF XI 12 12 09 35.9 37.44N 95.92E 33 5.2b,4.1s
GCMT XI 12 12 09 36.3–.40 37.58N 95.93E 22–1 4.9W,4.1s
DJA XI 12 12 09 39 37.63N 96.04E 70 5.0b,4.1s
ISC Event type se.

IDC Error ellipse: s-maj=16.0km s-min=10.6km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=2.8km s-min=2.1km az=7.4.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.7km az=202.0.
MOS Error ellipse: s-maj=7.2km s-min=4.2km az=124.7.
SZGRF Qinghai, China.
GCMT Event type se. Data Used: II IU G IC. Moment Tensor Solution. s21,c27; s57,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}2.42±.16 $M_{\theta\theta}$-1.55±.10; $M_{\phi\phi}$-0.87±.11; $M_{r\theta}$0.54±.15; $M_{\theta\phi}$1.43±.06; $M_{\phi r}$-0.48±.18; Best double couple: NP1:ϕ_s307.00000°,δ37.00000°,λ88.00000°. NP2:ϕ_s129.00000°,δ53.00000°,λ91.00000°. Principal axes: T 2.5200,Plg82.0000° ,Azm45.0000°; N 0.2600,Plg1.0000°,Azm309.0000°; P -2.7800,Plg8.0000°,Azm218.0000° M_o2.70000×10^{16}

ISC XI 12 17 39 48.1–.87 38.2N–.10 95.72E–.05 10 3.8b 20 3-71
BJI XI 12 17 39 44.1 37.63N 95.99E 15 3.7L **¶12073324**
ISCJB XI 12 17 39 46.0–.87 38.1N–.10 95.61E–.06 10 3.8b
IDC XI 12 17 39 47.5–1.6 38.29N 96.03E 0 3.7b,3.6L
NEIC XI 12 17 39 48.6–.90 38.14N 95.47E 10 3.9b,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=6.9km az=2.7.
IDC Error ellipse: s-maj=53.6km s-min=24.9km az=44.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=12.6km az=213.0.
ISC XI 13 06 48 21.9–.56 37.73N–.06 96.04E–.04 10 3.7b,3.4s 41 3-92
ISCJB XI 13 06 48 19.8–.57 37.69N–.06 96.08E–.05 10 3.7b,3.4s **¶12073391**
IDC XI 13 06 48 20.6–1.0 37.69N 96.05E 0 3.8L,3.8b
MOS XI 13 06 48 22.7–1.6 37.72N 96.11E 28 4.0b,3.8b
NEIC XI 13 06 48 22.1–.72 37.72N 96.00E 10 3.8b,3.8b
BJI XI 13 06 48 24.2 37.66N 96.06E 13 4.2b,3.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.6km az=169.2.
IDC Error ellipse: s-maj=27.9km s-min=19.0km az=40.0.
MOS Error ellipse: s-maj=26.1km s-min=14.5km az=106.8.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.7km az=50.0.
ISC XI 13 20 15 53.6–.33 37.67N–.05 95.96E–.04 10 4.2b 117 3-85
ISCJB XI 13 20 15 51.4–.32 37.69N–.04 95.99E–.04 10 4.2b **¶13400072**
IDC XI 13 20 15 51.3–.65 37.58N 95.97E 0 4.1b,4.1
BJI XI 13 20 15 52.7 37.70N 95.81E 15 4.6b,4.3b
MOS XI 13 20 15 53.7–1.3 37.67N 95.96E 28 4.3b,4.3b
NEIC XI 13 20 15 53.2–.38 37.66N 95.91E 10 4.1b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.1km az=177.2.
IDC Error ellipse: s-maj=28.2km s-min=13.3km az=44.0.
MOS Error ellipse: s-maj=12.4km s-min=7.8km az=115.1.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.4km az=49.0.
ISC XI 13 20 16 25.4–.41 37.63N–.06 95.90E–.09 10 4.3b 90 9-85
ISCJB XI 13 20 16 23.4–.41 37.64N–.06 95.90E–.09 10 4.3b **¶13836579**
IDC XI 13 20 16 23.8–.64 37.60N 95.94E 0 4.2,4.1
MOS XI 13 20 16 25.2–.81 37.64N 95.91E 23 4.3b,4.1
NEIC XI 13 20 16 25.7–.42 37.64N 95.90E 10 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=7.9km az=145.7.
IDC Error ellipse: s-maj=25.5km s-min=13.8km az=44.0.
MOS Error ellipse: s-maj=16.3km s-min=9.2km az=113.8.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.0km az=66.0.
BJI XI 14 17 48 47.6 37.47N 96.18E 17 3.9b,3.2L
¶12789960
ISC XI 15 07 35 02.8–1.5 37.66N–.06 96.04E–.05 7–10 3.9b 45 3-74
ISCJB XI 15 07 35 00.8–1.5 37.67N–.06 96.03E–.05 7–9 3.9b **¶12073603**
IDC XI 15 07 35 01.6–.75 37.68N 96.10E 0 4.0,3.9L
NEIC XI 15 07 35 03.2–.42 37.69N 96.00E 10 3.8b,3.9L
BJI XI 15 07 35 03.9 37.59N 96.01E 10 4.4b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.8km az=13.8.
IDC Error ellipse: s-maj=29.6km s-min=15.3km az=45.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=6.4km az=45.0.
ISC XI 15 08 27 18.4–1.3 38.1N–.10 95.88E–.07 10 3.4b 10 3-66
BJI XI 15 08 27 14.5 37.57N 96.06E 12 3.6L,3.2s **¶12073608**
IDC XI 15 08 27 15.6–4.3 37.77N 95.83E 0 3.5,3.5b
ISCJB XI 15 08 27 17.8–1.3 38.3N–.10 95.95E–.07 10 3.4b,3.5b
ISC XI 17 21 50 44.4–2.9 37.7N–.30 95.7E–.10 10 12 13-48
IDC XI 17 21 50 40.5–5.6 37.36N 95.92E 0 3.6b,3.5 **¶12073923**
NEIC XI 17 21 50 44.2–2.5 37.70N 95.70E 10 3.4b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=92.0km s-min=49.8km az=154.0.
NEIC Event type se. Error ellipse: s-maj=38.0km s-min=11.4km az=166.0.
ISC XI 20 19 47 42.8–3.2 37.47N–.08 95.64E–.06 6–22 3.5b 24 4-71
IDC XI 20 19 47 42.2–1.2 37.45N 95.74E 0 3.6b,3.5L **¶12074309**
NEIC XI 20 19 47 43.5–.74 37.50N 95.63E 10 3.7b,3.5L
BJI XI 20 19 47 44.3 37.80N 95.74E 22 3.5L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=19.9km az=58.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.4km az=57.0.
ISC XI 23 03 44 55.3–1.1 37.6N–.10 95.93E–.08 10 3.3b 11 4-71
ISCJB XI 23 03 44 53.6–1.1 37.6N–.10 96.06E–.08 10 3.3b **¶12074557**
IDC XI 23 03 44 53.8–1.4 37.55N 95.97E 0 3.4L,3.4b
BJI XI 23 03 44 57.4 37.58N 96.11E 19 3.4L,3.4b
ISCJB Error ellipse: s-maj=16.9km s-min=8.9km az=165.3.
IDC Error ellipse: s-maj=42.8km s-min=21.3km az=45.0.
ISC XI 27 07 41 01.3–.66 33.29N–.06 92.42E–.10 10 3.6b 26 4-72
ISCJB XI 27 07 40 59.1–.64 33.23N–.06 92.37E–.10 10 3.6b **¶12075012**
IDC XI 27 07 40 59.6–1.2 33.10N 92.03E 0 4.0,3.9L
NEIC XI 27 07 41 01.0–.66 33.09N 92.08E 10 3.3b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.3km az=8.8.
IDC Error ellipse: s-maj=55.7km s-min=17.7km az=65.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=10.2km az=74.0.
BJI XI 29 01 50 59.2 33.22N 93.68E 10 3.7b,3.3s
¶12790078
ISC XI 30 22 16 10.3–.42 34.40N–.04 93.27E–.06 10 3.7b,3.5s 46 5-84
IDC XI 30 22 16 07.7–.97 34.20N 93.29E 0 3.8,3.7b **¶12075367**
ISCJB XI 30 22 16 08.1–.39 34.34N–.04 93.25E–.06 10 3.7b,3.5s
BJI XI 30 22 16 08.2 34.38N 93.22E 9 4.4b,4.4b
NEIC XI 30 22 16 09.0–.43 34.23N 93.23E 10 3.6b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=17.9km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=36.7.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.3km az=219.0.
ISC XII 01 04 12 08.0–2.5 33.40N–.06 97.52E–.07 16–17 3.7b,3.2s 34 6-88
ISCJB XII 01 04 12 04.3–2.2 33.43N–.06 97.61E–.07 1–15 3.8b,3.2s **¶12075384**
IDC XII 01 04 12 05.5–.87 33.33N 97.51E 0 4.1L,3.9
BJI XII 01 04 12 07.0 33.41N 97.28E 15 4.2b,3.9L
NEIC XII 01 04 12 07.0–.66 33.45N 97.64E 10 3.7b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=9.1km az=140.2.
IDC Error ellipse: s-maj=31.3km s-min=17.5km az=52.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.9km az=69.0.
ISC XII 06 10 24 37.0–.18 37.63N–.03 95.66E–.02 10 4.6b,4.3s 341 4-130
ISCJB XII 06 10 24 35.0–.18 37.61N–.03 95.66E–.03 10 4.6b,4.3s **¶13402069**
IDC XII 06 10 24 34.5–.50 37.68N 95.87E 0 4.4L,4.4
BJI XII 06 10 24 34.2 37.64N 95.62E 9 5.1b,4.8L
MOS XII 06 10 24 35.1–.89 37.57N 95.77E 17 5.0b,4.8L
NEIC XII 06 10 24 36.4–.19 37.60N 95.76E 10 4.9b,4.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.9km az=8.8.
IDC Error ellipse: s-maj=18.6km s-min=9.3km az=46.0.
MOS Error ellipse: s-maj=7.9km s-min=4.6km az=123.9.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.7km az=104.0.
ISC XII 07 09 29 45.7–1.6 36.7N–.10 97.74E–.09 35 3.5s 8 3-50
IDC XII 07 09 29 26.5–39 35.37N 98.67E 0 3.7b,3.5 **¶12076149**
ISCJB XII 07 09 29 43.6–1.5 36.6N–.10 97.77E–.09 33 3.5s,3.5
ISC XII 07 20 47 34.8–1.3 35.4N–.10 98.37E–.08 10 9 4-65
ISCJB XII 07 20 47 32.5–1.3 35.4N–.20 98.47E–.07 10 **¶12076247**
IDC XII 07 20 47 33.5–1.6 35.44N 98.75E 0 3.4,3.3
ISCJB Error ellipse: s-maj=21.7km s-min=8.4km az=5.3.
IDC Error ellipse: s-maj=70.6km s-min=25.4km az=59.0.
ISC XII 12 10 38 54.7–1.0 38.3N–.10 91.1E–.10 10 3.5b 19 7-82
IDC XII 12 10 38 51.5–1.1 38.12N 91.18E 0 3.6,3.5b **¶12077109**
ISCJB XII 12 10 38 52.6–1.0 38.3N–.10 91.1E–.10 10 3.5b,3.5b
BJI XII 12 10 38 52.8 38.36N 91.01E 13 3.3L,3.5b
NEIC XII 12 10 38 56.7–.99 38.25N 91.18E 35 3.4b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=50.2km s-min=22.5km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=10.8km az=20.8.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=13.7km az=222.0.
ISC XII 14 08 51 14.3–1.0 39.0N–.10 96.99E–.08 10 3.4b 8 2-71
ISCJB XII 14 08 51 11.6–1.1 39.1N–.10 96.95E–.08 10 3.4b **¶12077426**
IDC XII 14 08 51 13.5–1.4 38.85N 97.09E 0 3.6,3.5b
BJI XII 14 08 51 18.8 39.41N 97.03E 11 3.3L,3.5b
ISCJB Error ellipse: s-maj=18.9km s-min=9.2km az=178.1.
IDC Error ellipse: s-maj=51.7km s-min=24.4km az=58.0.
ISC XII 17 15 50 15.7–1.1 37.5N–.10 95.88E–.10 10 8 4-24
ISCJB XII 17 15 50 12.6–1.2 37.6N–.10 95.9E–.10 10 **¶12077929**
IDC XII 17 15 50 15.2–2.2 37.47N 96.10E 0 3.5L,3.3
BJI XII 17 15 50 18.5 37.53N 96.02E 20 3.1L,3.3
ISCJB Error ellipse: s-maj=16.8km s-min=9.4km az=147.8.
IDC Error ellipse: s-maj=55.1km s-min=30.6km az=72.0.
ISC XII 18 17 39 22.5–.97 36.78N–.03 96.47E–.03 0–6 4.9b,4.1s 492 4-151
IDC XII 18 17 39 21.9–.38 36.77N 96.54E 0 4.7,4.6 **¶13403158**
ISCJB XII 18 17 39 22.0–.16 36.77N–.02 96.47E–.03 10 4.8b,4.1s
BJI XII 18 17 39 23.5 36.88N 96.41E 26 4.8b,4.6b
NEIC XII 18 17 39 25.0–1.3 36.76N 96.45E 18–8 5.1b,4.6b
MOS XII 18 17 39 25.3–.78 36.77N 96.48E 33 5.0b,4.6b
SZGRF XII 18 17 39 27.8 36.09N 96.01E 10 4.8b,4.6b
NNC XII 18 17 39 30.0–2.1 37.18N 95.60E 0 4.5b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=9.4km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.0km az=0.9.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=3.2km az=191.0.
MOS Error ellipse: s-maj=6.9km s-min=3.9km az=127.2.
SZGRF Qinghai, China.
NNC Error ellipse: s-maj=43.6km s-min=27.5km az=36.0.
ISC XII 24 15 59 10.4–.75 33.53N–.05 90.4E–.10 35 33 4-68
IDC XII 24 15 59 05.4–3.1 33.42N 90.25E 0 3.6,3.4b **¶12078829**
ISCJB XII 24 15 59 08.2–.74 33.52N–.06 90.3E–.10 33 3.6,3.4b
NEIC XII 24 15 59 09.8–5.1 33.51N 90.40E 29–45 3.6,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=205.8km s-min=25.0km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=7.8km az=8.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=8.5km az=81.0.
ISC XII 27 12 56 06.2–.52 37.57N–.08 94.72E–.05 10 4.0b 93 4-145
ISCJB XII 27 12 56 04.0–.55 37.50N–.08 94.73E–.06 10 4.0b **¶13404153**
IDC XII 27 12 56 04.1–.79 37.49N 94.96E 0 4.2,4.0L
BJI XII 27 12 56 05.6 37.62N 94.62E 14 4.0s,4.0L
NEIC XII 27 12 56 06.4–.55 37.49N 94.77E 15 4.1b,4.0L
MOS XII 27 12 56 06.8–1.3 37.51N 94.84E 33 4.4b,4.0L
NNC XII 27 12 56 14.3–.77 38.37N 94.04E 0 3.9b,4.0L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=5.2km az=18.6.
IDC Error ellipse: s-maj=26.7km s-min=14.6km az=40.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.8km az=204.0.
MOS Error ellipse: s-maj=15.4km s-min=8.3km az=117.2.
NNC Error ellipse: s-maj=23.7km s-min=7.1km az=50.0.
ISC XII 28 06 22 33.8–.60 33.33N–.05 91.8E–.10 10 3.4b 45 4-83
IDC XII 28 06 22 29.4–2.2 32.94N 91.86E 0 3.6,3.5 **¶12079249**
ISCJB XII 28 06 22 32.3–.57 33.35N–.04 91.6E–.10 10 3.4b,3.5
BJI XII 28 06 22 33.4 32.95N 91.88E 13 3.3L,3.5
NEIC XII 28 06 22 37.7–1.1 33.26N 91.68E 45–14 3.5b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=31.4km az=160.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=5.2km az=16.4.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=10.0km az=117.0.
ISC XII 29 15 07 12.3–2.6 34.52N–.04 90.57E–.05 16–18 3.9s,3.6b 75 5-91
ISCJB XII 29 15 07 08.5–2.3 34.47N–.04 90.59E–.05 6–16 3.9s,3.6b **¶12079409**
IDC XII 29 15 07 08.8–.80 34.32N 90.63E 0 3.9,3.8s
BJI XII 29 15 07 08.1 34.28N 90.52E 15 4.5s,4.5b
NEIC XII 29 15 07 13.3–1.8 34.49N 90.55E 25–15 3.7b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=6.5km az=13.7.
IDC Error ellipse: s-maj=30.9km s-min=15.7km az=52.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.1km az=93.0.

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IDC VII 02 04 39 52.9–2.9 55.55N 86.31E 0 3.0L,3.0
¶12697935
IDC Error ellipse: s-maj=32.2km s-min=21.2km az=85.0.
IDC VII 02 05 52 33.7–2.1 54.26N 86.03E 0 3.4,3.4
¶12697938
IDC Error ellipse: s-maj=17.0km s-min=2.3km az=66.0.
ISC VII 04 10 22 18.3–2.6 54.1N–.10 86.8E–.30 10 11 1-10
IDC VII 04 10 22 12.6–2.7 54.11N 87.36E 0 3.3,3.3 **¶11325559**
NNC VII 04 10 22 15.2–3.2 54.07N 87.16E 0 3.6b,3.1
IDC Error ellipse: s-maj=24.7km s-min=14.4km az=52.0.
NNC Error ellipse: s-maj=26.0km s-min=21.8km az=77.0.
IDC VII 06 05 56 01.6–2.2 54.09N 86.35E 0 3.2,3.2
¶12698036
IDC Error ellipse: s-maj=19.3km s-min=12.8km az=56.0.
ISC VII 07 05 57 33.4–3.1 54.1N–.10 85.6E–.30 3–15 11 0-9
IDC VII 07 05 57 30.0–2.1 54.14N 86.03E 0 3.6,3.6 **¶11330180**
IDC Error ellipse: s-maj=17.4km s-min=12.0km az=45.0.
IDC VII 08 04 19 15.2–2.1 54.24N 87.26E 0 3.5b,3.3
¶11330209
IDC Error ellipse: s-maj=20.1km s-min=16.5km az=93.0.
ISC VII 09 07 11 25.5–2.5 53.59N–.09 87.4E–.30 10 10 2-10
IDC VII 09 07 11 21.2–2.1 53.58N 87.80E 0 3.6,3.6 **¶11331836**
IDC Error ellipse: s-maj=18.0km s-min=11.2km az=79.0.
NNC VII 11 05 34 19.3–3.8 53.27N 87.24E 0 3.6b,3.4
¶11342102
NNC Error ellipse: s-maj=35.6km s-min=20.4km az=78.0.
NNC VII 11 08 55 52.3–5.0 53.83N 86.54E 0 3.7b,3.1
¶11342118
NNC Error ellipse: s-maj=46.1km s-min=23.5km az=65.0.
NNC VII 11 11 54 34.8–5.9 53.93N 85.96E 0 3.9b,3.4
¶11342135
NNC Error ellipse: s-maj=54.6km s-min=26.8km az=63.0.
ISC VII 14 09 38 12.1–2.2 53.51N–.08 87.7E–.20 10 9 2-10
IDC VII 14 09 38 09.7–3.0 53.47N 87.92E 0 3.2,3.2 **¶11346138**
IDC Error ellipse: s-maj=28.0km s-min=13.8km az=61.0.
NNC VII 16 06 47 34.8–10 53.96N 86.05E 0 3.6b,3.2
¶11348219
NNC Error ellipse: s-maj=96.9km s-min=50.4km az=61.0.
ISC VII 16 07 12 49.6–2.7 54.0N–.20 85.8E–.20 13–11 13 1-14
IDC VII 16 07 12 37.0–2.9 54.53N 86.92E 0 3.5,3.5 **¶11348221**
NNC VII 16 07 12 44.2–7.2 53.90N 86.35E 0 4.0b,3.5
IDC Error ellipse: s-maj=28.0km s-min=17.8km az=38.0.
NNC Error ellipse: s-maj=60.0km s-min=32.5km az=59.0.
ISC VII 17 07 01 48.6–2.2 53.52N–.08 87.5E–.20 10 9 2-10
IDC VII 17 07 01 45.2–2.3 53.56N 87.84E 0 3.4L,3.3 **¶11348257**
IDC Error ellipse: s-maj=20.7km s-min=11.7km az=77.0.
NNC VII 17 09 07 46.2–3.2 54.10N 86.57E 0 3.6b,3.2
¶11348260
NNC Error ellipse: s-maj=25.5km s-min=15.8km az=53.0.

ISC VII 18 07 06 21.6–2.3 53.76N–.09 88.0E–.20 10 10 2-11
IDC VII 18 07 06 17.4–3.5 53.77N 88.48E 0 3.4,3.4 ¶11358824
IDC Error ellipse: s-maj=34.9km s-min=16.8km az=69.0.
IDC VII 18 07 59 15.2–3.5 53.60N 87.86E 0 3.3L,3.2
¶12698285

IDC Error ellipse: s-maj=32.0km s-min=14.1km az=55.0.
IDC VII 19 11 28 22.8–3.3 54.03N 87.25E 0 3.2,3.2
¶12698320

IDC Error ellipse: s-maj=34.6km s-min=18.7km az=47.0.
IDC VII 21 07 28 49.9–2.4 55.38N 85.83E 0 3.4L,3.4
¶12698363

IDC Error ellipse: s-maj=20.4km s-min=6.7km az=27.0.
ISC VII 23 05 42 05.2–2.2 54.27N–.09 86.6E–.20 10 12 1-11
NNC VII 23 05 42 04.6–4.4 53.95N 86.69E 0 3.8b,3.4 ¶11360880
IDC VII 23 05 42 05.9–2.8 54.15N 86.46E 0 3.3,3.3
NNC Error ellipse: s-maj=37.1km s-min=23.9km az=65.0.
IDC Error ellipse: s-maj=23.0km s-min=13.0km az=50.0.
NNC VII 23 10 24 09.9–4.1 53.20N 87.47E 0 3.5b,3.0
¶11360889

NNC Error ellipse: s-maj=32.6km s-min=22.2km az=62.0.
IDC VII 26 04 01 15.9–3.3 53.53N 87.62E 0 3.3L,3.3
¶12698435

IDC Error ellipse: s-maj=29.6km s-min=13.2km az=59.0.
NNC VII 30 14 25 44.1–5.3 50.03N 88.20E 0 3.5b,3.1
¶11377351

NNC Error ellipse: s-maj=40.0km s-min=26.3km az=67.0.
ISC VII 31 09 58 54.0–2.2 54.66N–.10 83.4E–.20 10 12 1-8
ISCJB VII 31 09 58 49.5–1.6 54.67N–.09 83.7E–.10 10 ¶11377392
IDC VII 31 09 58 51.2–2.0 54.69N 83.79E 0 3.2L,3.2
NNC VII 31 09 58 53.4–6.5 54.69N 83.17E 0 3.6b,3.2
ISCJB Error ellipse: s-maj=13.6km s-min=10.5km az=21.6.
IDC Error ellipse: s-maj=18.7km s-min=11.2km az=26.0.
NNC Error ellipse: s-maj=56.1km s-min=39.0km az=92.0.
ISC VII 31 10 20 15.7–2.2 55.5N–.10 85.6E–.20 10 10 2-9
IDC VII 31 10 20 11.5–3.2 55.55N 86.25E 0 3.3L,3.3 ¶11377394
NNC VII 31 10 20 15.8–2.4 55.09N 85.94E 0 3.4b,3.1
IDC Error ellipse: s-maj=32.5km s-min=17.0km az=75.0.
NNC Error ellipse: s-maj=18.5km s-min=17.8km az=95.0.
ISC VII 31 14 02 53.4–2.5 55.5N–.10 85.4E–.30 10 9 2-9
IDC VII 31 14 02 53.5–2.9 55.50N 85.15E 0 3.1,3.1 ¶11377407
IDC Error ellipse: s-maj=26.3km s-min=18.3km az=54.0.
ISC VIII 01 07 01 34.3–2.0 54.21N–.08 86.5E–.20 10 13 1-14
IDC VIII 01 07 01 31.0–2.5 54.29N 86.63E 0 3.6L,3.6 ¶11379038
NNC VIII 01 07 01 33.1–5.8 53.94N 86.58E 0 3.7b,3.6
IDC Error ellipse: s-maj=20.8km s-min=8.1km az=67.0.
NNC Error ellipse: s-maj=45.0km s-min=32.7km az=55.0.
IDC VIII 05 04 33 19.0–2.8 55.54N 86.05E 0 3.2,3.2
¶12580927

IDC Error ellipse: s-maj=22.5km s-min=7.3km az=28.0.
ISC VIII 05 07 53 34.7–2.0 53.64N–.09 87.8E–.20 10 11 2-10
IDC VIII 05 07 53 32.3–2.5 53.61N 87.89E 0 3.4L,3.4 ¶11391569
NNC VIII 05 07 53 35.5–1.3 53.26N 87.80E 0 3.2b,2.9
IDC Error ellipse: s-maj=21.6km s-min=11.9km az=80.0.
NNC Error ellipse: s-maj=9.5km s-min=8.0km az=53.0.
ISC VIII 06 10 48 18.7–2.9 54.2N–.10 86.9E–.20 10 9 1-10
IDC VIII 06 10 48 17.6–3.1 54.05N 87.17E 0 3.3,3.3 ¶11391606
IDC Error ellipse: s-maj=27.7km s-min=15.5km az=55.0.
IDC VIII 08 08 43 51.8–3.2 55.37N 86.35E 0 3.3,3.3
¶12580979

IDC Error ellipse: s-maj=31.5km s-min=20.2km az=72.0.
IDC VIII 08 11 58 14.8–1.5 53.76N 81.51E 0 2.9L,2.7
NNC VIII 08 11 58 28.5–6.9 53.11N 81.75E 0 2.8b,2.4 ¶11395913
IDC Error ellipse: s-maj=20.6km s-min=12.1km az=174.0.
NNC Error ellipse: s-maj=74.6km s-min=48.1km az=170.0.
NNC VIII 14 05 59 40.9–5.7 53.91N 85.84E 0 3.6b,3.3
¶11449831

NNC Error ellipse: s-maj=57.6km s-min=31.2km az=75.0.
NNC VIII 17 05 53 08.1–6.0 53.60N 85.12E 0 3.8b,3.4
¶11452624

NNC Error ellipse: s-maj=52.8km s-min=21.3km az=61.0.
ISC VIII 26 08 09 46.0–1.7 54.43N–.07 86.67E–.10 3–11 14 1-54
IDC VIII 26 08 09 44.3–1.4 54.41N 86.83E 0 3.7L,3.6 ¶11477803
NNC VIII 26 08 09 49.5–3.3 54.27N 86.36E 0 4.2b,3.8
IDC Error ellipse: s-maj=18.2km s-min=13.3km az=144.0.
NNC Error ellipse: s-maj=26.2km s-min=19.7km az=52.0.
ISC VIII 26 08 40 52.2–2.2 53.76N–.10 90.9E–.20 10 18 4-54
IDC VIII 26 08 40 49.3–1.6 53.86N 90.91E 0 3.6,3.5L ¶11477806
NNC VIII 26 08 40 59.4–3.3 53.36N 90.19E 11–18 4.1b,3.9
IDC Error ellipse: s-maj=22.2km s-min=15.1km az=143.0.
NNC Error ellipse: s-maj=22.9km s-min=19.7km az=72.0.
ISC VIII 26 09 33 19.7–1.9 53.62N–.08 87.5E–.10 16–15 16 2-13
IDC VIII 26 09 33 17.9–1.9 53.51N 87.68E 0 3.7,3.7 ¶11477809
NNC VIII 26 09 33 23.8–3.1 53.52N 87.23E 24–21 3.8b,3.8
IDC Error ellipse: s-maj=18.6km s-min=12.0km az=40.0.
NNC Error ellipse: s-maj=22.6km s-min=13.9km az=63.0.
ISC VIII 31 09 06 15.1–.78 50.36N–.05 87.75E–.09 10 23 0-42
MOS VIII 31 09 06 11.9–2.8 50.31N 87.68E 15 4.0b ¶11485937
ISCJB VIII 31 09 06 13.6–.80 50.28N–.05 87.73E–.09 10 4.0b
IDC VIII 31 09 06 14.1–1.5 50.36N 87.56E 0 3.9,3.8L
NNC VIII 31 09 06 18.9–4.3 50.25N 87.31E 0 3.8b,3.4
MOS Error ellipse: s-maj=18.6km s-min=12.0km az=116.7.
ISCJB Error ellipse: s-maj=8.9km s-min=5.9km az=32.6.
IDC Error ellipse: s-maj=14.8km s-min=12.5km az=90.0.
NNC Error ellipse: s-maj=31.6km s-min=13.1km az=56.0.
ISC IX 01 23 16 33.0–.99 51.28N–.04 89.4E–.10 10 3.7b 40 4-40
NNC IX 01 23 16 23.1–6.5 51.38N 90.22E 0 3.9,3.8b ¶11485983
IDC IX 01 23 16 30.0–2.4 51.19N 89.62E 0 3.8,3.8
ISCJB IX 01 23 16 32.7–.79 51.30N–.04 89.20E–.08 10 3.7b,3.8
NEIC IX 01 23 16 35.9–.55 51.29N 88.91E 10 3.3b,3.8
ISC Event type se.
NNC Error ellipse: s-maj=52.9km s-min=38.4km az=80.0.
IDC Error ellipse: s-maj=22.4km s-min=15.0km az=85.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.7km az=155.5.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.5km az=170.0.
NNC IX 02 04 20 23.2–4.0 54.06N 86.28E 0 3.7b,3.2
¶11485985

NNC Error ellipse: s-maj=32.7km s-min=20.1km az=58.0.
NNC IX 05 06 53 24.2–2.6 53.79N 86.38E 0 3.6b,3.2
¶11492119

NNC Error ellipse: s-maj=20.0km s-min=15.8km az=57.0.
NNC IX 05 07 41 53.5–3.0 53.83N 86.06E 0 3.6b,3.0
¶11492122

NNC Error ellipse: s-maj=23.9km s-min=18.8km az=56.0.
ISC IX 15 08 38 15.0–3.5 53.67N–.08 87.7E–.20 21–39 13 2-13
IDC IX 15 08 38 12.0–1.8 53.62N 87.89E 0 3.7L,3.6 ¶11783633
NNC IX 15 08 38 17.0–1.5 53.30N 87.18E 4–10 4.1b,3.8
IDC Error ellipse: s-maj=16.1km s-min=11.8km az=64.0.
NNC Error ellipse: s-maj=14.2km s-min=7.5km az=54.0.
IDC IX 17 08 46 46.0–2.4 54.84N 86.68E 0 3.2L,3.2
¶11910462

IDC Error ellipse: s-maj=22.1km s-min=18.0km az=70.0.
NNC IX 25 06 35 48.0–3.2 53.76N 86.92E 0 3.8b,3.5
¶11518780

NNC Error ellipse: s-maj=27.0km s-min=19.6km az=68.0.
NNC IX 25 07 51 36.4–5.5 53.03N 86.97E 0 3.7b,3.2
¶11518786

NNC Error ellipse: s-maj=43.4km s-min=29.1km az=47.0.
NNC IX 26 12 27 06.2–2.6 54.10N 86.62E 0 3.9b,3.6
¶11518850

NNC Error ellipse: s-maj=20.9km s-min=12.4km az=59.0.
ISC IX 28 04 43 41.7–2.6 54.1N–.10 86.2E–.20 10 8 1-9
IDC IX 28 04 43 37.3–2.4 54.22N 86.37E 0 3.4L,3.4 ¶11519356
IDC Error ellipse: s-maj=19.5km s-min=2.0km az=74.0.
NNC IX 28 10 47 06.7–7.2 53.85N 86.24E 0 3.7b,3.2
¶11519371

NNC Error ellipse: s-maj=56.0km s-min=37.3km az=54.0.
NNC X 03 06 19 15.8–4.0 53.83N 87.18E 0 3.8b,3.4
¶11747977

NNC Error ellipse: s-maj=32.2km s-min=21.4km az=68.0.
IDC X 13 06 16 45.8–2.8 53.86N 85.88E 0 4.6b,4.3
¶12068533

IDC Error ellipse: s-maj=30.9km s-min=13.8km az=68.0.
ISC X 19 13 16 24.6–.71 50.07N–.04 87.51E–.07 10 52 0-35
ISCJB X 19 13 16 21.6–.75 50.08N–.04 87.58E–.08 10 ¶11749080
ASRS X 19 13 16 24.5–.75 50.05N 87.33E 15 3.0s
MOS X 19 13 16 24.3–1.6 50.04N 87.34E 10 4.3b
IDC X 19 13 16 26.3–2.2 49.98N 87.14E 0 4.4b,4.2
NEIC X 19 13 16 28.0–2.3 50.12N 87.10E 10 4.4b,4.2
NNC X 19 13 16 27.5–4.4 49.95N 87.02E 21–27 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.4km az=40.3.
MOS Error ellipse: s-maj=19.0km s-min=11.6km az=93.0.
IDC Error ellipse: s-maj=23.4km s-min=14.2km az=90.0.
NEIC Event type se. Error ellipse: s-maj=35.1km s-min=11.0km az=103.0.
NNC Error ellipse: s-maj=39.9km s-min=21.8km az=83.0.
NNC X 25 10 05 13.4–7.9 53.96N 87.00E 14–41 3.5b,2.9
¶11749408

NNC Error ellipse: s-maj=52.0km s-min=38.3km az=66.0.
NNC X 27 08 39 56.5–2.6 53.87N 87.15E 0 3.8b,3.2
¶11749505

NNC Error ellipse: s-maj=21.0km s-min=15.3km az=61.0.
ISC XI 02 16 00 18.8–.21 51.13N–.03 89.54E–.04 10 4.5b,4.3s 284 1-145
BJI XI 02 16 00 15.6 51.22N 89.29E 11 5.0L,4.8b ¶11395491
ISCJB XI 02 16 00 16.9–.23 51.10N–.03 89.50E–.04 10 4.5b,4.3s
IDC XI 02 16 00 16.1–.64 51.12N 89.50E 0 4.3L,4.3
ASRS XI 02 16 00 17.2–.75 51.27N 89.38E 15 4.3s,4.3
LDG XI 02 16 00 17.6–.11 51.02N 89.32E 10–0 4.9b,4.3
MOS XI 02 16 00 18.2–1.4 51.11N 89.66E 23 4.8b,4.3
NEIC XI 02 16 00 18.7–.34 51.22N 89.65E 10 4.8b,4.3
NNC XI 02 16 00 23.3–1.6 51.25N 88.47E 0 5.0,4.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=25.4.
IDC Error ellipse: s-maj=15.0km s-min=9.7km az=171.0.
LDG Event type ke. Error ellipse: s-maj=6.4km s-min=3.5km az=33.0.
MOS Error ellipse: s-maj=6.9km s-min=5.7km az=130.3.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.0km az=209.0.
NNC Error ellipse: s-maj=16.1km s-min=9.1km az=66.0.
ISC XI 07 08 51 51.6–1.3 53.80N–.08 90.9E–.10 10 14 4-54
ISCJB XI 07 08 51 48.9–1.3 53.82N–.08 90.7E–.10 10 ¶11750185
IDC XI 07 08 51 49.5–1.6 53.80N 91.02E 0 3.5,3.4
NNC XI 07 08 51 56.0–2.6 53.62N 90.24E 0 3.8b,3.5
ISCJB Error ellipse: s-maj=12.8km s-min=10.2km az=44.3.
IDC Error ellipse: s-maj=23.3km s-min=13.9km az=145.0.
NNC Error ellipse: s-maj=21.9km s-min=19.9km az=165.0.
NNC XI 08 07 29 08.3–4.0 54.03N 87.34E 0 3.8b,3.4
¶11750251

NNC Error ellipse: s-maj=33.5km s-min=29.7km az=35.0.
ISC XI 14 00 10 32.0–1.6 51.12N–.07 89.3E–.10 27–16 19 1-13
MOS XI 14 00 10 25.7–1.9 51.06N 89.65E 15 4.2b ¶11750560
NNC XI 14 00 10 35.4–2.1 51.08N 88.90E 22–13 3.8b,3.5
MOS Error ellipse: s-maj=36.1km s-min=24.0km az=101.0.
NNC Error ellipse: s-maj=14.9km s-min=11.8km az=60.0.
NNC XI 14 10 26 48.0–3.4 53.57N 87.36E 0 3.6b,3.2
¶11750594

NNC Error ellipse: s-maj=27.0km s-min=17.3km az=59.0.
NNC XI 15 10 04 56.5–7.4 54.33N 87.33E 0 3.8b,3.4
¶11750652

NNC Error ellipse: s-maj=89.0km s-min=28.7km az=55.0.
NNC XI 20 04 50 03.3–4.5 54.10N 86.27E 0 4.0b,3.7
¶11750881

NNC Error ellipse: s-maj=35.3km s-min=22.9km az=55.0.
NNC XI 21 09 49 31.2–1.7 53.38N 87.41E 8–10 3.6b,3.3
¶11750977

NNC Error ellipse: s-maj=11.7km s-min=10.9km az=74.0.
ISC XI 26 10 29 51.9–1.3 53.81N–.10 91.3E–.20 10 3.3b 13 4-79
IDC XI 26 10 29 50.4–1.5 53.91N 91.23E 0 3.8,3.7L ¶11751209
ISCJB XI 26 10 29 52.4–1.9 53.65N–.09 91.0E–.20 10 3.3b,3.7L
ISC XI 26 12 25 31.5–.59 50.01N–.03 88.32E–.06 10 75 1-81
ISCJB XI 26 12 25 29.2–.59 49.99N–.03 88.38E–.06 10 ¶11653343
IDC XI 26 12 25 30.3–1.3 49.86N 88.42E 0 4.0L,3.8
NEIC XI 26 12 25 31.7–.71 49.91N 88.48E 10 3.7b,3.8
MOS XI 26 12 25 31.8–1.5 49.83N 88.14E 13 4.2b,3.8
NNC XI 26 12 25 32.6–3.1 49.98N 88.07E 0 4.0,3.9b
ASRS XI 26 12 25 32.6–1.2 49.90N 88.17E 15 2.9s,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.4km az=36.2.
IDC Error ellipse: s-maj=15.8km s-min=12.5km az=27.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.8km az=185.0.
MOS Error ellipse: s-maj=14.8km s-min=9.2km az=103.4.
NNC Error ellipse: s-maj=24.5km s-min=14.8km az=86.0.
ISC XII 09 08 45 44.7–2.7 53.81N–.10 90.9E–.20 1–21 12 4-79
IDC XII 09 08 45 44.3–2.1 53.83N 90.93E 0 4.5,4.5s ¶12076499
NNC XII 09 08 45 47.2–2.7 53.78N 90.55E 0 4.0b,3.7
IDC Error ellipse: s-maj=22.2km s-min=19.2km az=135.0.
NNC Error ellipse: s-maj=21.5km s-min=20.0km az=129.0.
NNC XII 12 08 45 28.8–2.9 53.98N 87.08E 11–19 3.9b,3.6
¶12077086

NNC Error ellipse: s-maj=21.9km s-min=16.5km az=63.0.
IDC XII 15 09 20 12.3–1.9 53.61N 86.95E 0 2.9,2.9
¶12077571

IDC Error ellipse: s-maj=20.1km s-min=2.4km az=105.0.
ISC XII 15 09 26 49.5–4.4 54.2N–.20 85.8E–.40 10 7 1-8
NNC XII 15 09 26 37.9–3.6 53.77N 87.83E 0 3.2b,2.8 ¶12077573
IDC XII 15 09 26 44.2–2.4 54.19N 86.31E 0 2.9,2.9
NNC Error ellipse: s-maj=39.0km s-min=22.2km az=24.0.
IDC Error ellipse: s-maj=19.8km s-min=6.8km az=72.0.
NNC XII 16 06 03 47.0–3.7 54.05N 85.91E 0 3.6b,3.0
¶12077722

NNC Error ellipse: s-maj=30.4km s-min=24.4km az=59.0.
IDC XII 26 05 25 36.5–2.1 54.11N 86.41E 0 3.1,3.1
¶12079000

IDC Error ellipse: s-maj=18.0km s-min=7.0km az=76.0.
IDC XII 26 06 47 48.0–2.4 53.45N 87.57E 0 2.7L,2.6
¶12079008

IDC Error ellipse: s-maj=20.5km s-min=12.3km az=90.0.
NNC XII 26 08 28 52.9–3.1 53.19N 87.38E 0 3.7b,3.3
¶12079023

NNC Error ellipse: s-maj=25.5km s-min=18.2km az=61.0.

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MOS VII 04 06 56 30.9–.43 54.85N 109.84E 12 4.2b
BYKL VII 04 06 56 30.2–.22 54.93N 109.85E 4.2b ¶12787876
MOS Error ellipse: s-maj=61.4km s-min=22.0km az=66.9.
BYKL Event type se.
MOS VII 09 08 24 48.2–1.9 55.40N 110.39E 9 4.3b
BYKL VII 09 08 24 47.9–.29 55.41N 110.38E 4.3b ¶12787912
MOS Error ellipse: s-maj=32.6km s-min=18.9km az=58.7.
BYKL Event type se.
BYKL VII 14 14 59 14.6–.32 53.24N 107.78E 14–6
MOS VII 14 14 59 15.2–2.2 52.75N 108.27E 12 4.2b ¶12788533
BYKL Event type se.
MOS Error ellipse: s-maj=22.4km s-min=12.2km az=50.5.

ISC VII 24 19 09 14.3–.31 55.12N–.02 112.94E–.03 10 3.9b 97 1-43
MOS VII 24 19 09 13.6–1.4 55.16N 113.14E 20 4.4b ¶12698422
IDC VII 24 19 09 15.6–3.6 55.25N 112.53E 0 3.5,3.4L
BYKL VII 24 19 09 16.3–.30 55.20N 112.91E 3.5,3.4L
ISC Event type se.
MOS Error ellipse: s-maj=12.4km s-min=7.9km az=78.9.
IDC Error ellipse: s-maj=54.7km s-min=27.0km az=100.0.
BYKL Event type se.
BYKL VII 26 17 42 54.2–.32 54.05N 110.27E 18–6
MOS VII 26 17 42 53.6–1.5 54.02N 110.21E 21 4.3b ¶12863141
BYKL Event type se.
MOS Error ellipse: s-maj=24.7km s-min=14.5km az=74.6.
ISC VII 28 05 49 10.4–.33 55.61N–.02 110.20E–.03 10 3.4b 106 0-46
ISCJB VII 28 05 49 08.5–.33 55.51N–.02 110.22E–.04 10 3.4b ¶11812764
MOS VII 28 05 49 09.5–1.1 55.74N 110.12E 11 3.9b
IDC VII 28 05 49 10.4–1.7 55.69N 110.04E 0 3.6L,3.5
BYKL VII 28 05 49 10.9–.40 55.70N 110.16E 6–5 3.6L,3.5
NEIC VII 28 05 49 11.9–.88 55.72N 110.04E 10 3.5b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.4km az=139.0.
MOS Error ellipse: s-maj=12.8km s-min=8.1km az=67.1.
IDC Error ellipse: s-maj=33.2km s-min=21.3km az=127.0.
BYKL Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.3km az=115.0.
BYKL VII 28 08 17 01.8–.49 55.68N 110.16E 9–7
MOS VII 28 08 17 01.5–1.2 55.69N 110.18E 10 4.2b ¶12863142
BYKL Event type se.
MOS Error ellipse: s-maj=36.1km s-min=18.2km az=59.7.
BYKL VIII 06 07 08 23.1–.23 52.87N 107.00E 10–5
MOS VIII 06 07 08 23.3–1.1 52.88N 107.07E 12 4.2b ¶12863148
BYKL Event type se.
MOS Error ellipse: s-maj=46.6km s-min=16.6km az=49.5.
ISC VIII 06 11 31 43.5–.32 52.91N–.02 107.07E–.04 10 74 0-22
BYKL VIII 06 11 31 44.6–.23 52.87N 107.00E 8–5 ¶12580942
MOS VIII 06 11 31 44.4–2.0 52.88N 107.04E 15 4.4b
IDC VIII 06 11 31 54.9–6.2 53.07N 106.08E 0 3.6L,3.3
ISC Event type se.
BYKL Event type se.
MOS Error ellipse: s-maj=21.8km s-min=11.7km az=55.5.
IDC Error ellipse: s-maj=90.2km s-min=32.0km az=54.0.
ISC VIII 07 15 23 23.0–.35 55.29N–.02 110.44E–.04 10 63 1-23
MOS VIII 07 15 23 24.0–1.4 55.36N 110.32E 16 4.3b ¶12580960
BYKL VIII 07 15 23 25.4–.28 55.38N 110.33E 4.3b
IDC VIII 07 15 23 29.6–7.6 55.15N 109.96E 0 3.4,3.4
ISC Event type se.
MOS Error ellipse: s-maj=22.4km s-min=11.0km az=63.2.
BYKL Event type se.
IDC Error ellipse: s-maj=104.6km s-min=28.4km az=78.0.
ISC VIII 09 19 44 20.3–.26 53.16N–.02 108.30E–.03 10 3.6b 118 1-49
ISCJB VIII 09 19 44 18.9–.30 53.16N–.02 108.26E–.04 10 3.6b ¶11908007
MOS VIII 09 19 44 19.4–.97 53.15N 108.24E 12 4.5b
IDC VIII 09 19 44 20.1–1.4 53.15N 108.05E 0 3.5,3.3b
NEIC VIII 09 19 44 20.8–.81 53.21N 108.21E 10 3.8b,3.3b
BYKL VIII 09 19 44 21.3–.27 53.13N 108.19E 3.8b,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.4km az=136.7.
MOS Error ellipse: s-maj=13.2km s-min=7.8km az=61.2.
IDC Error ellipse: s-maj=25.2km s-min=19.1km az=98.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.6km az=113.0.
BYKL Event type se.
BYKL VIII 15 10 38 28.5–.36 56.23N 112.18E 25–3
MOS VIII 15 10 38 29.6–1.7 56.23N 112.17E 21 4.3b ¶12863153
BYKL Event type se.
MOS Error ellipse: s-maj=34.6km s-min=19.5km az=57.0.
BYKL VIII 19 22 26 13.1–.26 53.48N 109.76E 19–3
MOS VIII 19 22 26 13.9–1.9 53.47N 109.83E 15 4.1b ¶12863614
BYKL Event type se.
MOS Error ellipse: s-maj=41.8km s-min=15.2km az=72.6.
MOS VIII 23 01 35 27.6–1.1 55.15N 109.94E 7 4.2b
BYKL VIII 23 01 35 29.1–.30 55.14N 109.97E 4.2b ¶12922383
MOS Error ellipse: s-maj=31.7km s-min=12.1km az=71.8.
BYKL Event type se.
ISC VIII 27 01 35 31.6–.06 51.66N–.01 104.14E–.01 10 6.2s,5.7b 2088 0-168
LDG VIII 27 01 35 28.8–.11 51.72N 104.02E 10–0 6.1s,5.8b ¶13392704
BJI VIII 27 01 35 29.8 51.66N 104.28E 15 6.4s,6.2
SZGRF VIII 27 01 35 29.6 52.28N 106.28E 33 7.0s,5.9b
IDC VIII 27 01 35 29.3–.32 51.66N 104.23E 0 6.1,6.1s
ISCJB VIII 27 01 35 30.0–.06 51.65N–.01 104.05E–.01 10 6.2s,5.7b
MOS VIII 27 01 35 30.4–.94 51.62N 104.20E 17 6.4s,5.9b
BGS VIII 27 01 35 30.7–1.6 51.09N 103.32E 15–0 6.7s,5.2b
BYKL VIII 27 01 35 31.4–.36 51.62N 104.06E 13–5 6.7s,5.2b
NEIC VIII 27 01 35 32.1–.08 51.61N 104.16E 16 6.2s,6.2W
GCMT VIII 27 01 35 38.6–.10 51.76N 104.02E 24–0 6.3W,6.2W
ASRS VIII 27 01 35 42.1–1.5 52.34N 103.37E 15 6.7,6.2W
DJA VIII 27 01 35 44 51.51N 103.58E 73 5.6b,6.2W
ISC Event type de.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=91.0.
SZGRF Lake Baykal, Russia, region.
IDC Error ellipse: s-maj=9.6km s-min=8.0km az=27.0.
ISCJB Event type de. Error ellipse: s-maj=1.8km s-min=1.2km az=174.5.
MOS Event type fe. Error ellipse: s-maj=5.5km s-min=3.9km az=123.2. Fault plane solution: P-wave C37, D198 . Felt (VII-VIII) at Baykal'sk, Utulik, Slyudyanka, (VI-VII) at Arshan, Kultuk, Irkutsk, Listvyanka, (V-VI) at Bol.Goloustnoye, Kabansk, Selenga, Angarsk, Mondy, Yelantsy, (IV-V) at Shergino, Gusinoozersk, (IV) at Khuzhir, (III-IV) at Kyzyl, (III) at Bratsk, (II-III) at Abakan, (II) at Chita, Krasnoyarsk. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s33.00000°,δ36.00000°,λ-121.00000°. NP2: ϕ_s250.00000°,δ60.00000°,λ-69.00000°. Principal axes: T Plg12.0000°,Azm325.0000° ; N Plg18.0000°,Azm59.0000°; P Plg68.0000°,Azm202.0000° $M_0$3.30000×10^{18}
BGS Error ellipse: s-maj=277.7km s-min=803.7km az=-1.0.
BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 101.00 61.00 -55.00 82 0 IEC + 226.00 44.00 -136.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 167.00 10.00 263.00 30.00 61.00 58.00 IEC + 2.00 1.15 3.05 2.13 1.53 2.64 IEC. FELT I=VII-VIII MSK at Kultuk,Utulik, VII at Slyudyanka,Talaya,Bystraya, VI-VII at Baykalsk,Anchuk, VI at Listvyanka,Irkutsk,Angasolka,Tory.
NEIC Event type de. Error ellipse: s-maj=2.5km s-min=1.7km az=179.0. Slight damage [VII] and power outages at Irkutsk. Felt [VIII] at Baykal'sk; [VII] at Arshan, Kultuk, Listvyanka, Slyudyanka and Utulik; [VI] at Angarsk, Kabansk, Mondy, Selenga and Yelantsy; [V] at Gusinoozersk and Zakamensk; [IV] at Kyzyl; [III] at Abakan and Bratsk; [II] at Chita and Krasnoyarsk. Also felt at Novosibirsk, Tulun, Ulan-Ude and Usol'ye-Sibirskoye. Felt [III] at Ulaanbaator, Mongolia. Also felt at Darhan and Tosontsengel. Two events about 2.5 seconds apart. Depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s200.00000°,δ60.00000°,λ-140.00000°. NP2: ϕ_s87.00000°,δ56.00000°,λ-37.00000°. Principal axes: T Plg2.0000°,Azm323.0000° ; N Plg0.0000°,Azm0.0000°; P Plg48.0000°,Azm55.0000° Moment Tensor Solution. s170 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.81 $M_{\theta\theta}$0.87 $M_{\phi\phi}$-0.06 $M_{r\theta}$-0.36 $M_{\theta\phi}$1.36 $M_{\phi r}$0.60 Best double couple: NP1:ϕ_s92.00000°,δ62.00000°,λ-30.00000°. NP2:ϕ_s197.00000° ,δ64.00000°,λ-148.00000°. Principal axes: T 1.8500,Plg1.0000°,Azm324.0000° ; N -0.2200,Plg49.0000°,Azm232.0000°; P -1.6200,Plg40.0000°,Azm55.0000° $M_0$1.70000×10^{18}
GCMT Event type se. Data Used: II IU G CN IC. Surface waves: sta=112, comp=285, per= 50. Moment Tensor Solution. s107,c230; s87,c152; Moment tensor: Scale 10^{18}Nm; M_{rr}-2.02±.03 $M_{\theta\theta}$2.95±.02; $M_{\phi\phi}$-0.93±.02; $M_{r\theta}$-1.18±.04; $M_{\theta\phi}$1.35±.02; $M_{\phi r}$1.26±.04; Best double couple: NP1:ϕ_s220.00000°,δ49.00000°,λ-143.00000°. NP2:ϕ_s104.00000°,δ63.00000°,λ-47.00000°. Principal axes: T 3.4900,Plg8.0000°,Azm165.0000°; N -0.1600,Plg37.0000°,Azm262.0000° ; P -3.3300,Plg51.0000°,Azm65.0000° $M_0$3.40000×10^{18}
ISC VIII 27 01 41 30.8–.37 51.61N–.03 104.09E–.03 10 5.2b 57 0-23
ISCJB VIII 27 01 41 29.0–.41 51.59N–.03 104.12E–.03 10 5.2b ¶11222334
MOS VIII 27 01 41 31.0–1.8 51.57N 104.15E 12 5.1b
NEIC VIII 27 01 41 31.6–.68 51.60N 103.91E 10 4.9b
BYKL VIII 27 01 41 31.8–.31 51.61N 104.03E 11–8 4.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=2.6km az=166.7.
MOS Event type fe. Error ellipse: s-maj=14.5km s-min=11.1km az=85.0. Felt (V) at Irkutsk, (III) at Yelantsy. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=10.0km s-min=7.2km az=168.0. Felt [V] at Irkutsk.
BYKL Event type se. FELT I=V MSK at Irkutsk, III-IV at Gusinoozersk, Yelantsy.
ISC VIII 27 02 07 56.1–.25 51.61N–.02 103.99E–.03 10 4.0b 121 0-79
ISCJB VIII 27 02 07 54.6–.27 51.63N–.03 104.03E–.03 10 4.0b ¶11653102
IDC VIII 27 02 07 54.5–.69 51.67N 104.12E 0 4.1,3.9b
MOS VIII 27 02 07 55.4–.93 51.66N 103.90E 14 4.6b,3.9b
NEIC VIII 27 02 07 56.7–.40 51.60N 103.94E 10 4.3b,3.9b
BYKL VIII 27 02 07 56.5–.22 51.65N 103.91E 16–3 4.3b,3.9b
BJI VIII 27 02 08 04.9 50.85N 103.86E 10 4.9s,4.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.2km az=160.8.
IDC Error ellipse: s-maj=18.8km s-min=12.6km az=59.0.
MOS Event type fe. Error ellipse: s-maj=10.4km s-min=7.2km az=70.6. Felt (III) at Irkutsk. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=7.4km s-min=7.1km az=198.0. Felt [III] at Irkutsk.
BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 36.00 44.00 -126.00 26 0 IEC + 261.00 56.00 -61.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 331.00 6.00 64.00 24.00 226.00 65.00 IEC + 0.0 0.0 0.0 0.0 0.0 0.0 IEC. FELT I=III MSK at Irkutsk, II at Yelantsy.
ISC VIII 27 03 29 13.5–.34 51.63N–.03 104.07E–.03 10 95 0-10
ISCJB VIII 27 03 29 12.5–.37 51.63N–.03 104.11E–.03 10 ¶12100277
NEIC VIII 27 03 29 13.9–.69 51.58N 104.17E 10
MOS VIII 27 03 29 14.4–1.4 51.63N 104.11E 17 4.6b
BYKL VIII 27 03 29 14.4–.22 51.61N 104.04E 17–3 4.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=2.5km az=159.8.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=6.0km az=159.0. Felt [II] at Irkutsk.
MOS Event type fe. Error ellipse: s-maj=16.3km s-min=9.5km az=63.3. Felt (II) at Irkutsk. Moment Tensor Solution.
BYKL Event type se. FELT I=II MSK at Irkutsk.
BYKL VIII 27 05 00 45.2–.27 51.64N 103.91E 2–6
MOS VIII 27 05 00 44.8–1.4 51.65N 103.91E 8 4.2b ¶12922432
BYKL Event type se.
MOS Error ellipse: s-maj=30.9km s-min=16.1km az=71.9.
BYKL VIII 27 20 34 50.9–.23 51.64N 103.88E 12–3
MOS VIII 27 20 34 50.4–1.2 51.66N 103.87E 18 4.2b ¶12922431
BYKL Event type se.
MOS Error ellipse: s-maj=27.8km s-min=25.1km az=46.3.
MOS VIII 28 07 27 26.1–1.9 51.68N 103.89E 17 4.6b
BYKL VIII 28 07 27 25.7–.25 51.68N 103.92E 4.6b ¶13828089
MOS Error ellipse: s-maj=17.6km s-min=11.4km az=61.6.
BYKL Event type se.
BYKL VIII 29 04 32 23.2–.31 51.48N 104.16E 20–5
MOS VIII 29 04 32 23.0–1.1 51.48N 104.22E 12 4.3b ¶12922459
BYKL Event type se.
MOS Error ellipse: s-maj=24.1km s-min=15.2km az=85.5.
ISC VIII 30 13 53 28.7–.19 51.58N–.02 104.18E–.02 10 3.9b,3.3s 187 0-87
BJI VIII 30 13 53 25.7 51.73N 104.37E 13 4.5b,4.4b ¶11232732
IDC VIII 30 13 53 26.8–.71 51.60N 104.20E 0 3.9,3.8
ISCJB VIII 30 13 53 26.8–.20 51.57N–.02 104.17E–.02 10 3.9b,3.3s
MOS VIII 30 13 53 28.2–1.1 51.63N 104.05E 20 4.1b,3.3s
NEIC VIII 30 13 53 28.9–1.2 51.66N 104.09E 13–7 4.1b,3.3s
BYKL VIII 30 13 53 28.8–.22 51.63N 104.03E 12–3 4.1b,3.3s
ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=10.9km az=41.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=160.4.
MOS Event type fe. Error ellipse: s-maj=8.4km s-min=6.5km az=66.8. Felt (III-IV) at Slyudyanka, Irkutsk, (II-III) at Angarsk, (II) at Yelantsy. Moment Tensor Solution.
NEIC Event type fe. Error ellipse: s-maj=8.8km s-min=6.5km az=162.0. Felt [III] at Irkutsk and [II] at Angarsk.
BYKL Event type se. #FAULT_PLANE Typ Strike Dip Rake NP NS Plane Author # FM 103.00 60.00 -56.00 25 0 IEC + 230.00 44.00 -134.00 IEC #PRINAX sc T_val T_azim T_pl B_val B_azim B_pl P_val P_azim P_pl Author + eTv eTa eTp eBv eBa eBp ePv ePa ePp fCLVD # 170.00 9.00 265.00 28.00 64.00 60.00 IEC + 0.0 0.0 0.0 0.0 0.0 0.0 IEC. FELT I=IV-V MSK at Kultuk,Slyudyanka,Talaya,Baykalsk, III-IV at Golubie Eli, III at Irkutsk,Yelantsy,Glubokaya, II-III - Angarsk, II - Zakamensk.
MOS IX 17 07 13 56.2–.83 51.50N 105.13E 14 4.2b
BYKL IX 17 07 13 56.7–.34 51.41N 105.12E 4.2b ¶13394503
MOS Error ellipse: s-maj=28.0km s-min=18.2km az=99.4.
BYKL Event type se.
BYKL IX 20 21 06 43.1 51.60N 104.03E 16–0
MOS IX 20 21 06 42.4–1.6 51.60N 104.15E 10 4.3b ¶13394810
BYKL Event type se.
MOS Error ellipse: s-maj=17.2km s-min=11.4km az=66.1.
ISC IX 26 01 56 48.5–.22 54.76N–.02 109.98E–.03 10 3.9b 158 1-150
ISCJB IX 26 01 56 46.8–.24 54.72N–.02 109.99E–.04 10 3.9b ¶11911061
MOS IX 26 01 56 47.8–1.1 54.88N 109.86E 8 4.6b
IDC IX 26 01 56 47.6–.76 54.84N 109.84E 0 4.1,3.9
BYKL IX 26 01 56 48.2–.22 54.87N 109.85E 4.1,3.9
NEIC IX 26 01 56 49.4–.37 54.88N 109.83E 10 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=141.6.
MOS Error ellipse: s-maj=10.6km s-min=6.4km az=68.8.
IDC Error ellipse: s-maj=18.1km s-min=15.2km az=121.0.
BYKL Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.9km az=151.0.
ISC IX 27 03 55 09.3–.29 55.57N–.02 110.22E–.03 10 3.7b 116 0-78
ISCJB IX 27 03 55 07.3–.29 55.49N–.03 110.27E–.04 10 3.7b ¶11911148
IDC IX 27 03 55 08.2–1.1 55.65N 110.26E 0 3.9,3.8b
NEIC IX 27 03 55 09.9–.67 55.70N 110.24E 10 3.9b,3.8b
MOS IX 27 03 55 09.1–.88 55.73N 110.15E 13 4.0b,3.8b
BYKL IX 27 03 55 09.9–.30 55.70N 110.13E 1–5 4.0b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.1km az=144.9.
IDC Error ellipse: s-maj=24.8km s-min=19.5km az=98.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.9km az=116.0.
MOS Error ellipse: s-maj=11.3km s-min=7.2km az=67.8.
BYKL Event type se.
ISC X 04 12 52 28.0–.31 51.44N–.02 104.55E–.03 10 3.2b 127 0-79
ISCJB X 04 12 52 26.6–.33 51.42N–.03 104.58E–.03 10 3.2b ¶12065900
MOS X 04 12 52 27.4–1.2 51.42N 104.54E 10 4.7b
NEIC X 04 12 52 27.9 51.41N 104.53E 9 4.7b
BYKL X 04 12 52 28.3–.17 51.40N 104.51E 19–2 4.7b
IDC X 04 12 52 31.2–2.0 51.02N 103.93E 0 3.6L,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.4km az=157.8.
MOS Event type fe. Error ellipse: s-maj=11.6km s-min=7.6km az=79.7. Felt (III) at Baykal'sk. Moment Tensor Solution.
NEIC Event type se. After BYKL.
BYKL Event type se. FELT I=II-III MSK at Baykalsk, II at Irkutsk, Zakamensk.
IDC Error ellipse: s-maj=42.1km s-min=16.7km az=35.0.
MOS X 04 13 34 09.6–1.9 51.42N 104.52E 13 4.5b
BYKL X 04 13 34 09.7–.18 51.40N 104.50E 19–3 4.5b ¶12065902
MOS Error ellipse: s-maj=9.5km s-min=7.0km az=82.6.
BYKL Event type se.
ISC X 04 13 34 12.1–.29 51.38N–.02 104.54E–.02 10 3.8b 115 1-52
ISCJB X 04 13 34 10.5–.32 51.35N–.02 104.54E–.03 10 3.8b ¶13395967
NEIC X 04 13 34 11.6–.77 51.29N 104.29E 10 3.7b
IDC X 04 13 34 11.3–1.2 51.32N 104.23E 0 3.7,3.6b
MOS X 04 13 34 13.2–1.1 51.42N 104.41E 14 4.7b,3.6b
BYKL X 04 13 34 14.1–.24 51.43N 104.49E 25–3 4.7b,3.6b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.4km az=163.2.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.3km az=223.0.
IDC Error ellipse: s-maj=22.8km s-min=15.2km az=55.0.

MOS Event type fe. Error ellipse: s-maj=14.9km s-min=8.8km az=74.9. Felt (II-III) at Slyudyanka, Baykal'sk; (II) at Irkutsk, Zakamensk. Moment Tensor Solution.
BYKL Event type se. FELT I=II-III MSK at Baykalsk,Slyudyanka, II at Irkutsk, Zakamensk.
MOS X 09 15 30 29.6–1.7 52.28N 106.32E 10 4.4b
BYKL X 09 15 30 30.8–.18 52.30N 106.43E 20–2 4.4b **¶13396496**
MOS Error ellipse: s-maj=25.0km s-min=16.8km az=69.1.
BYKL Event type se.
MOS X 11 08 21 35.5–2.0 53.33N 108.45E 11 4.2b
BYKL X 11 08 21 36.5–.26 53.29N 108.46E 4.2b **¶13396635**
MOS Error ellipse: s-maj=20.5km s-min=10.2km az=51.2.
BYKL Event type se.
BYKL X 24 10 20 31.2–.20 52.54N 106.50E 4–5
MOS X 24 10 20 30.4–1.4 52.52N 106.77E 16 4.3b **¶13581618**
BYKL Event type se. FELT I=III-IV MSK at Yelantsy, Tyrgan.
MOS Event type fe. Error ellipse: s-maj=18.6km s-min=12.8km az=69.6. Felt (II) at Elantcy. Moment Tensor Solution.
MOS XI 01 12 16 11.5–2.7 52.80N 108.10E 16 4.3b
BYKL XI 01 12 16 11.0–.20 52.72N 108.06E 4.3b **¶13830443**
MOS Error ellipse: s-maj=29.4km s-min=21.5km az=144.9.
BYKL Event type se.
ISC XI 05 16 24 28.8–.29 53.14N–.02 109.07E–.03 10 3.3b 81 0-79
BYKL XI 05 16 24 30.8–.22 53.18N 108.92E 22–4 3.3b **¶12072435**
IDC XI 05 16 24 30.5–2.5 53.16N 108.96E 0 3.5,3.2b
MOS XI 05 16 24 30.5–1.0 53.19N 108.95E 15 4.3b,3.2b
ISC Event type se.
BYKL Event type se.
IDC Error ellipse: s-maj=109.0km s-min=21.0km az=112.0.
MOS Error ellipse: s-maj=23.1km s-min=10.8km az=68.3.
MOS XI 11 17 51 26.0–1.2 53.29N 108.49E 10 4.3b
BYKL XI 11 17 51 27.1–.18 53.29N 108.51E 4.3b **¶13836524**
MOS Error ellipse: s-maj=27.4km s-min=14.6km az=57.7.
BYKL Event type se.
MOS XI 21 07 23 13.0–3.3 56.40N 112.70E 10 4.2b
BYKL XI 21 07 23 13.6–.40 56.33N 112.74E 4.2b **¶13988096**
MOS Error ellipse: s-maj=52.0km s-min=41.2km az=70.7.
BYKL Event type se.
MOS XI 21 07 23 37.2–2.8 56.30N 112.70E 10 4.4b
BYKL XI 21 07 23 37.8–.42 56.35N 112.72E 4.4b **¶13836754**
MOS Error ellipse: s-maj=30.7km s-min=24.7km az=154.0.
BYKL Event type se.
ISC XI 24 18 59 07.8–.25 55.42N–.02 110.49E–.03 10 4.2b,3.6s 145 1-98
ISCJB XI 24 18 59 05.9–.27 55.39N–.02 110.50E–.04 10 4.2b,3.6s **¶12074706**
MOS XI 24 18 59 06.8–1.2 55.47N 110.42E 14 4.6b,3.6s
BJI XI 24 18 59 06.4 55.60N 110.97E 18 4.8b,4.0s
IDC XI 24 18 59 07.9–1.4 55.55N 110.13E 0 4.0,3.9b
BYKL XI 24 18 59 07.6–.21 55.47N 110.43E 4.0,3.9b
NEIC XI 24 18 59 08.9–.91 55.51N 110.25E 10 4.1b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.2km az=143.6.
MOS Error ellipse: s-maj=10.6km s-min=6.6km az=66.9.
IDC Error ellipse: s-maj=28.3km s-min=19.6km az=129.0.
BYKL Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.2km az=93.0.
MOS XI 24 19 43 00.1–1.7 55.40N 110.50E 10 4.0b
BYKL XI 24 19 42 59.5–.21 55.46N 110.45E 4.0b **¶13836775**
MOS Error ellipse: s-maj=84.5km s-min=39.6km az=140.1.
BYKL Event type se.
MOS XI 26 05 10 23.6–1.3 55.10N 110.00E 1 4.2b
BYKL XI 26 05 10 23.7–.27 55.14N 109.94E 4.2b **¶13836808**
MOS Error ellipse: s-maj=94.1km s-min=22.4km az=51.9.
BYKL Event type se.
MOS XI 29 11 56 26.3–1.2 55.09N 110.01E 12 4.2b
BYKL XI 29 11 56 26.4–.21 55.13N 109.98E 4.2b **¶13836847**
MOS Error ellipse: s-maj=17.9km s-min=9.1km az=62.5.
BYKL Event type se.
MOS XII 01 00 49 21.4–3.5 55.57N 110.74E 10 4.2b
BYKL XII 01 00 49 17.4–.28 55.39N 110.32E 4.2b **¶13988104**
MOS Error ellipse: s-maj=0.0km s-min=0.0km az=90.0.
BYKL Event type se.
ISC XII 05 18 10 40.3–.21 53.26N–.02 107.94E–.03 10 4.0b,3.6s 177 0-151
IDC XII 05 18 10 38.9–.77 53.23N 108.03E 0 4.1,3.9b **¶12075911**
ISCJB XII 05 18 10 39.1–.23 53.23N–.02 107.93E–.03 10 4.0b,3.6s
MOS XII 05 18 10 39.8–.92 53.27N 107.93E 14 4.3b,3.6s
BYKL XII 05 18 10 40.8–.21 53.28N 107.84E 14–4 4.3b,3.6s
NEIC XII 05 18 10 43.3–3.4 53.25N 107.90E 29–24 4.4b,3.6s
ISC Event type fe.
IDC Error ellipse: s-maj=19.8km s-min=14.5km az=69.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=44.0.
MOS Event type fe. Error ellipse: s-maj=9.6km s-min=6.2km az=65.6. Felt (II) at Onguryeny. Moment Tensor Solution.
BYKL Event type se. FELT I=II MSK at Ongureny.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.1km az=49.0.
MOS XII 07 10 45 38.9–.78 55.18N 112.15E 13 4.3b
BYKL XII 07 10 45 40.7–.32 55.25N 112.11E 4.3b **¶13875697**
MOS Error ellipse: s-maj=18.9km s-min=14.1km az=74.8.
BYKL Event type se.
BYKL XII 27 00 00 59.2–.28 53.53N 108.37E 10–6
MOS XII 27 00 00 59.0–2.0 53.50N 108.40E 10 4.2b **¶13900358**
BYKL Event type se.
MOS Error ellipse: s-maj=32.9km s-min=17.6km az=135.7.

(328) East of Lake Baykal.

BYKL VII 03 05 24 35.3–.42 56.28N 116.36E
MOS VII 03 05 24 34.9–2.7 56.27N 116.38E 20 4.4b **¶12787868**
BYKL Event type se.
MOS Error ellipse: s-maj=42.8km s-min=29.3km az=7.8.
MOS VIII 14 13 44 43.0–.99 56.16N 114.05E 8 4.3b
BYKL VIII 14 13 44 44.8–.38 56.21N 113.99E 4.3b **¶12863152**
MOS Error ellipse: s-maj=33.3km s-min=17.4km az=135.4.
BYKL Event type se.
ISC IX 01 17 46 32.0–.28 56.02N–.03 114.87E–.03 10 3.9b 141 2-81
BJI IX 01 17 46 26.6 56.66N 115.52E 10 3.8b **¶11909237**
IDC IX 01 17 46 31.2–.83 56.15N 114.79E 0 4.0,3.8b
MOS IX 01 17 46 31.1–1.0 56.15N 114.86E 15 4.6b,3.8b
NEIC IX 01 17 46 31.5–.42 56.13N 115.06E 10 4.1b,3.8b
BYKL IX 01 17 46 33.1–.29 56.14N 114.88E 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=17.5km az=163.0.
MOS Error ellipse: s-maj=12.2km s-min=7.9km az=60.8.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.2km az=151.0.
BYKL Event type se.
BYKL IX 10 11 35 47.7–.29 54.94N 113.01E
MOS IX 10 11 35 48.8–1.6 54.85N 112.91E 7 4.2b **¶12922570**
BYKL Event type se.
MOS Error ellipse: s-maj=31.2km s-min=20.1km az=125.5.
BYKL IX 10 11 47 58.9–.36 54.92N 113.02E
MOS IX 10 11 47 59.6–1.7 54.80N 112.82E 11 4.2b **¶12922569**
BYKL Event type se.
MOS Error ellipse: s-maj=27.5km s-min=16.4km az=107.7.
BYKL IX 19 11 59 52.8–.28 54.93N 113.02E 11–6
MOS IX 19 11 59 52.1–.53 54.91N 113.08E 10 4.3b **¶13394695**
BYKL Event type se.
MOS Error ellipse: s-maj=28.2km s-min=16.9km az=101.7.
BYKL IX 19 15 16 44.9–.28 54.92N 113.02E 10–7
MOS IX 19 15 16 44.7–1.4 54.92N 113.07E 2 4.4b **¶13394704**
BYKL Event type se.
MOS Error ellipse: s-maj=19.0km s-min=11.8km az=93.1.
ISC IX 22 09 19 46.0–.34 55.99N–.03 114.11E–.03 10 3.5b 83 1-78
IDC IX 22 09 19 47.0–1.4 55.68N 115.15E 0 3.7,3.5b **¶11910821**
MOS IX 22 09 19 47.6–1.4 56.03N 114.26E 14 4.4b,3.5b
BYKL IX 22 09 19 47.9–.31 56.10N 114.02E 4.4b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=47.1km s-min=22.8km az=134.0.
MOS Error ellipse: s-maj=17.1km s-min=11.8km az=58.5.
BYKL Event type se.
MOS IX 24 09 06 44.1–1.6 57.28N 119.35E 15 4.4b
BYKL IX 24 09 06 43.8–.78 57.33N 119.38E 4.4b **¶13395090**
MOS Error ellipse: s-maj=39.1km s-min=26.7km az=50.9.
BYKL Event type se.
BYKL IX 25 23 50 25.4–.25 54.94N 113.04E
MOS IX 25 23 50 33.7–1.4 55.18N 111.85E 7 4.2b **¶13395217**
BYKL Event type se.
MOS Error ellipse: s-maj=23.9km s-min=11.1km az=82.2.
MOS IX 28 20 07 50.4–1.1 54.88N 113.02E 7 4.4b
BYKL IX 28 20 07 50.1–.34 54.94N 113.02E 4.4b **¶13395403**
MOS Error ellipse: s-maj=19.2km s-min=11.8km az=92.9.
BYKL Event type se.
BYKL X 18 02 11 36.6–.26 56.06N 114.89E 8–7
MOS X 18 02 11 36.5–1.3 56.05N 114.86E 16 4.4b **¶13397381**
BYKL Event type se.
MOS Error ellipse: s-maj=19.7km s-min=12.4km az=53.2.
MOS X 30 02 07 59.6–2.6 56.16N 116.43E 15 4.4b
BYKL X 30 02 07 58.5–.22 56.23N 116.42E 4.4b **¶13581626**
MOS Error ellipse: s-maj=15.2km s-min=13.3km az=47.4.
BYKL Event type se.
MOS X 31 07 39 26.2–1.4 54.91N 113.11E 15 4.3b
¶13581629
MOS Error ellipse: s-maj=19.1km s-min=10.0km az=87.5.
MOS XI 06 07 40 36.4–1.8 56.15N 113.76E 10 4.2b
BYKL XI 06 07 40 36.1–.30 56.14N 113.73E 7–4 4.2b **¶13832602**
MOS Error ellipse: s-maj=23.9km s-min=15.6km az=139.5.
BYKL Event type se.
MOS XII 04 12 46 58.3–1.8 55.28N 113.53E 7 4.2b
BYKL XII 04 12 46 57.8–.32 55.28N 113.52E 14–5 4.2b **¶13875694**
MOS Error ellipse: s-maj=25.5km s-min=16.0km az=96.8.
BYKL Event type se.
BYKL XII 28 15 09 28.5–.34 56.53N 118.46E 8–9
MOS XII 28 15 09 26.6–2.7 56.73N 118.71E 9 4.3b **¶13900382**
BYKL Event type se.
MOS Error ellipse: s-maj=16.0km s-min=13.8km az=146.1.

(329) Eastern Kazakhstan.

ISC VII 04 07 24 13.2–1.0 50.08N–.06 78.7E–.20 10 9 1-6
ISCJB VII 04 07 24 11.4–1.0 50.06N–.06 78.7E–.20 10 **¶11325546**
IDC VII 04 07 24 11.9–.88 50.04N 78.80E 0 3.1L,3.0
ISCJB Error ellipse: s-maj=18.3km s-min=7.6km az=162.7.
IDC Error ellipse: s-maj=17.4km s-min=6.4km az=62.0.
ISC VII 12 09 18 27.9–.57 51.70N–.08 75.46E–.07 10 19 2-7
ISCJB VII 12 09 18 25.9–.58 51.70N–.08 75.52E–.07 10 **¶11344697**
NNC VII 12 09 18 25.9–1.5 51.05N 75.06E 0 3.2b,2.8
IDC VII 12 09 18 26.7–.84 51.82N 75.47E 0 2.9L,2.9
ISCJB Error ellipse: s-maj=11.7km s-min=5.0km az=22.2.
NNC Error ellipse: s-maj=43.4km s-min=9.7km az=28.0.
IDC Error ellipse: s-maj=29.4km s-min=7.0km az=28.0.
ISC VII 17 13 17 58.0–.64 50.05N–.05 78.63E–.09 10 14 1-9
ISCJB VII 17 13 17 56.4–.64 50.03N–.05 78.51E–.09 10 **¶11348264**
NNC VII 17 13 17 58.5–2.0 50.14N 78.37E 0 2.9b,2.6
IDC VII 17 13 17 59.0–.98 49.93N 78.80E 0 3.0L,2.9
ISCJB Error ellipse: s-maj=9.5km s-min=4.8km az=142.0.
NNC Error ellipse: s-maj=20.6km s-min=12.6km az=90.0.
IDC Error ellipse: s-maj=22.4km s-min=8.3km az=44.0.
ISC VII 18 02 18 15.0–.46 47.80N–.04 81.13E–.06 35 33 1-15
NNC VII 18 02 18 10.7–1.0 47.85N 81.27E 0 3.9b,3.8 **¶11358818**
IDC VII 18 02 18 11.9–.93 47.84N 81.31E 0 3.8,3.8
ISCJB VII 18 02 18 12.9–.43 47.89N–.03 81.11E–.06 33 3.8,3.8
BJI VII 18 02 18 13.3 47.70N 81.26E 12 3.5L,3.8
NEIC VII 18 02 18 15.4–.79 47.82N 81.32E 35 3.5L,3.8
ISC Event type se.
NNC Error ellipse: s-maj=11.1km s-min=5.8km az=46.0.
IDC Error ellipse: s-maj=14.2km s-min=7.6km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.8km az=141.3.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.0km az=84.0.
NNC VII 24 03 20 42.5–.95 46.30N 79.21E 0 3.5b,3.1
¶11360910
NNC Error ellipse: s-maj=12.9km s-min=7.5km az=153.0.
ISC VII 25 14 19 14.1–.61 51.7N–.10 75.6E–.10 10 15 2-11
NNC VII 25 14 19 11.3–2.8 50.95N 75.24E 0 3.3b,2.9 **¶11362235**
IDC VII 25 14 19 11.7–1.1 51.69N 75.46E 0 3.1,3.1
ISCJB VII 25 14 19 12.4–.61 51.6N–.10 75.6E–.10 10 3.1,3.1
ISC VII 26 08 37 01.0–.75 51.3N–.20 76.0E–.10 10 10 2-6
NNC VII 26 08 36 58.9–3.7 51.01N 75.73E 0 2.6b,2.3 **¶11362255**
ISCJB VII 26 08 36 59.2–.76 51.3N–.20 76.0E–.10 10 2.6b,2.3
IDC VII 26 08 37 01.4–1.3 51.26N 76.16E 0 2.7L,2.7
NNC Error ellipse: s-maj=130.5km s-min=12.3km az=18.0.
ISCJB Error ellipse: s-maj=23.8km s-min=4.7km az=22.1.
IDC Error ellipse: s-maj=44.9km s-min=13.1km az=37.0.
ISC VII 26 09 18 46.8–.69 51.61N–.09 75.70E–.07 10 16 2-9
IDC VII 26 09 18 43.9–1.3 51.75N 75.53E 0 2.8,2.8 **¶11362259**
ISCJB VII 26 09 18 45.4–.59 51.69N–.07 75.78E–.07 10 2.8,2.8
NNC VII 26 09 18 45.2–.69 51.38N 75.41E 0 3.2b,2.8
IDC Error ellipse: s-maj=34.1km s-min=11.7km az=35.0.
ISCJB Error ellipse: s-maj=10.7km s-min=4.4km az=25.1.
NNC Error ellipse: s-maj=19.7km s-min=4.7km az=25.0.
ISC VII 27 07 22 57.4–.70 50.06N–.04 78.8E–.10 10 54 1-6
NNC VII 27 07 22 55.4–.34 50.02N 78.89E 0 3.0b,2.6 **¶11362676**
ISCJB VII 27 07 22 56.7–.56 50.03N–.03 78.60E–.09 10 3.0b,2.6
IDC VII 27 07 22 57.6–1.0 50.04N 78.82E 0 3.0L,3.0
NNC Error ellipse: s-maj=8.2km s-min=1.6km az=66.0.
ISCJB Error ellipse: s-maj=8.7km s-min=3.0km az=164.7.
IDC Error ellipse: s-maj=23.0km s-min=9.0km az=44.0.
ISC VIII 01 05 00 38.5–.90 49.77N–.09 80.9E–.10 10 9 2-7
NNC VIII 01 05 00 35.2–1.7 49.79N 81.05E 0 3.0b,2.7 **¶11379031**
ISCJB VIII 01 05 00 37.4–.92 49.80N–.09 81.0E–.10 10 3.0b,2.7
IDC VIII 01 05 00 39.1–1.3 49.68N 81.54E 0 3.0,3.0
NNC Error ellipse: s-maj=35.8km s-min=5.2km az=45.0.
ISCJB Error ellipse: s-maj=15.9km s-min=7.5km az=43.4.
IDC Error ellipse: s-maj=24.0km s-min=11.9km az=71.0.
ISC VIII 01 11 08 31.2–.64 51.61N–.07 75.63E–.08 10 16 2-6
IDC VIII 01 11 08 27.9–1.1 51.70N 75.46E 0 3.1,3.1 **¶11379048**
ISCJB VIII 01 11 08 29.5–.64 51.60N–.07 75.69E–.08 10 3.1,3.1
NNC VIII 01 11 08 29.9–1.6 51.19N 75.48E 0 3.1b,2.7
IDC Error ellipse: s-maj=30.3km s-min=8.6km az=33.0.
ISCJB Error ellipse: s-maj=10.6km s-min=5.3km az=28.7.
NNC Error ellipse: s-maj=64.6km s-min=12.0km az=29.0.
ISC VIII 01 13 00 10.5–3.2 51.70N–.07 75.77E–.10 13–23 16 2-7
IDC VIII 01 13 00 06.0–.85 51.69N 75.47E 0 2.8,2.8 **¶11379052**
NNC VIII 01 13 00 08.6–1.4 50.99N 75.28E 0 2.8b,2.4
IDC Error ellipse: s-maj=23.7km s-min=6.8km az=29.0.
NNC Error ellipse: s-maj=41.6km s-min=9.3km az=30.0.
ISC VIII 04 07 25 31.0–.60 49.97N–.09 79.0E–.20 16–11 50 1-6
ISCJB VIII 04 07 25 32.4–.92 50.00N–.06 78.9E–.20 33 **¶11382268**
NNC VIII 04 07 25 32.7–.34 50.02N 78.90E 0 3.0b,2.7
IDC VIII 04 07 25 39.0–1.3 50.02N 79.48E 0 2.8L,2.8
ISCJB Error ellipse: s-maj=14.8km s-min=6.3km az=158.8.
NNC Error ellipse: s-maj=8.8km s-min=1.6km az=65.0.
IDC Error ellipse: s-maj=38.2km s-min=10.7km az=50.0.
ISC VIII 05 10 37 47.8–.57 51.6N–.10 75.38E–.09 10 19 2-11
ISCJB VIII 05 10 37 46.5–.60 51.5N–.10 75.4E–.10 10 **¶11391578**
IDC VIII 05 10 37 46.9–1.0 51.65N 75.40E 0 3.3,3.3
NEIC VIII 05 10 37 47.6–.74 51.54N 75.31E 10 3.3,3.3
NNC VIII 05 10 37 48.4–1.8 51.58N 75.64E 0 3.1b,2.7
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=5.4km az=26.0.
IDC Error ellipse: s-maj=24.1km s-min=8.4km az=30.0.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=8.6km az=14.0.
NNC Error ellipse: s-maj=76.2km s-min=12.4km az=24.0.
ISC VIII 06 23 28 28.1–.61 47.55N–.04 81.66E–.10 10 12 1-16
ISCJB VIII 06 23 28 26.3–.65 47.58N–.05 81.6E–.10 10 ¶11907839
NEIC VIII 06 23 28 28.6–.60 47.47N 81.62E 10 3.1b
IDC VIII 06 23 28 28.1–1.1 47.56N 81.74E 0 3.1L,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=5.7km az=158.9.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.5km az=64.0.
IDC Error ellipse: s-maj=15.7km s-min=7.7km az=58.0.
ISC VIII 26 14 06 48.9–.31 47.68N–.02 80.69E–.03 10 3.7b 86 1-86
ISCJB VIII 26 14 06 47.1–.32 47.73N–.02 80.63E–.03 10 3.7b ¶11208042
IDC VIII 26 14 06 48.3–.65 47.55N 80.75E 0 3.7L,3.7
NEIC VIII 26 14 06 49.1–1.9 47.61N 80.85E 7–14 3.7L,3.7
NNC VIII 26 14 06 49.7–.76 47.60N 80.70E 22–6 3.9b,3.6
MOS VIII 26 14 06 50.3–1.1 47.63N 80.51E 29 4.3b,3.6
ASRS VIII 26 14 06 53.9–1.1 47.81N 80.77E 15 3.3s,3.6
BJI VIII 26 14 06 55.6 47.14N 81.44E 17 4.3b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=3.2km az=139.9.
IDC Error ellipse: s-maj=10.4km s-min=6.9km az=51.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.8km az=138.0.
NNC Error ellipse: s-maj=5.9km s-min=2.6km az=41.0.
MOS Error ellipse: s-maj=11.1km s-min=7.6km az=91.5.
NNC IX 10 10 21 27.0–.52 49.19N 76.20E 0 3.5b,3.1
¶11783472
NNC Error ellipse: s-maj=5.1km s-min=4.7km az=133.0.
NNC IX 30 12 17 41.3–1.9 48.64N 78.03E 0 2.8b,2.4
¶11521536
NNC Error ellipse: s-maj=26.7km s-min=4.8km az=71.0.
ISC X 15 11 23 06.3–.66 50.71N–.05 75.19E–.07 10 17 2-9
ISCJB X 15 11 23 04.5–.69 50.73N–.06 75.22E–.07 10 ¶11748863
NNC X 15 11 23 08.6–9.0 50.98N 75.11E 0 3.1b,2.8
ISCJB Error ellipse: s-maj=9.6km s-min=5.2km az=30.6.
NNC Error ellipse: s-maj=237.7km s-min=17.0km az=21.0.
NNC XI 17 07 24 51.4–.92 50.14N 77.78E 0 3.7b,1.8
¶11750745
NNC Error ellipse: s-maj=13.9km s-min=4.1km az=126.0.
NNC XI 26 07 03 57.3–1.6 50.27N 77.77E 0 3.6b,2.2
¶11751189
NNC Error ellipse: s-maj=24.5km s-min=8.2km az=138.0.
ISC XII 12 07 46 13.3–2.9 50.7N–.20 79.1E–.40 10 9 6-9
NNC XII 12 07 46 14.7–5.6 50.89N 79.09E 13–28 3.1b,2.7 ¶12077071
NNC Error ellipse: s-maj=51.2km s-min=35.2km az=23.0.
NNC XII 30 11 49 20.4–2.3 48.55N 77.55E 0 3.8,2.7b
¶12079543
NNC Error ellipse: s-maj=24.5km s-min=11.6km az=77.0.

(330) Lake Issyk-Kul region.

ISC VII 04 22 09 56.8–.38 42.95N–.03 75.33E–.03 10 3.8b 45 0-69
ISCJB VII 04 22 09 55.8–.44 43.06N–.04 75.28E–.03 10 3.8b ¶11325579
IDC VII 04 22 09 56.3–1.1 42.99N 75.37E 0 3.8L,3.8b
NNC VII 04 22 09 57.0–.28 42.99N 75.39E 0 4.2,4.2b
BJI VII 04 22 09 57.9 43.24N 75.59E 10 3.7L,4.2b
NEIC VII 04 22 09 57.7–.70 42.97N 75.29E 10 3.7b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.6km az=175.0.
IDC Error ellipse: s-maj=20.4km s-min=6.5km az=142.0.
NNC Error ellipse: s-maj=2.6km s-min=1.4km az=32.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.9km az=159.0.
ISC VII 14 06 56 13.1–.55 43.59N–.04 78.10E–.05 10 58 1-74
IDC VII 14 06 56 08.2–1.3 43.31N 78.31E 0 3.8,3.6b ¶11346133
NEIC VII 14 06 56 10.5–1.0 43.40N 78.09E 10 3.8,3.6b
BJI VII 14 06 56 11.4 43.47N 78.43E 10 3.6L,3.5s
NNC VII 14 06 56 11.0–.90 43.51N 78.20E 0 4.0b,3.9
MOS VII 14 06 56 14.1–1.5 43.70N 78.01E 33 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=8.9km az=149.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=8.9km az=149.0.
NNC Error ellipse: s-maj=14.2km s-min=3.4km az=147.0.
MOS Error ellipse: s-maj=14.3km s-min=9.1km az=80.5.
ISC VII 20 07 39 08.9–.74 42.23N–.05 77.65E–.05 10 39 1-21
IDC VII 20 07 39 02.8–3.1 41.86N 77.67E 0 3.3,3.3 ¶11360792
NNC VII 20 07 39 04.9–1.4 42.10N 77.72E 0 4.0b,3.5
KNET VII 20 07 39 05.9–.42 42.12N 77.57E 9–2 3.5L,3.5
ISCJB VII 20 07 39 06.9–.76 42.18N–.05 77.75E–.05 10 3.5L,3.5
BJI VII 20 07 39 10.8 42.67N 77.30E 32 3.1L,3.5
NEIC VII 20 07 39 14.3–2.0 42.49N 77.41E 35 3.1L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=13.3km az=171.0.
NNC Error ellipse: s-maj=9.7km s-min=8.3km az=12.0.
KNET Error ellipse: s-maj=4.3km s-min=2.2km az=7.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.8km az=156.3.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=8.6km az=151.0.
ISC VII 21 13 44 13.0–.82 43.62N–.04 75.37E–.04 2–5 28 1-10
ISCJB VII 21 13 44 12.1–1.1 43.63N–.04 75.38E–.04 0–7 ¶11360843
NNC VII 21 13 44 13.2–1.2 43.55N 75.35E 4–17 3.4b,3.1
KNET VII 21 13 44 15.1–.60 43.47N 75.34E 16–2 2.7L,3.1
ISCJB Error ellipse: s-maj=7.1km s-min=5.2km az=157.9.
NNC Error ellipse: s-maj=14.8km s-min=5.9km az=14.0.
KNET Error ellipse: s-maj=3.7km s-min=1.8km az=17.0.
ISC VII 27 20 50 34.2–1.7 42.35N–.06 78.48E–.05 13–15 3.4b 55 1-67
IDC VII 27 20 50 27.4–1.7 41.92N 78.53E 0 3.7L,3.7 ¶13390270
NNC VII 27 20 50 30.8–1.9 42.33N 78.56E 0 4.2b,3.9
MOS VII 27 20 50 31.2–1.6 42.34N 78.54E 10 3.6b,3.9
BJI VII 27 20 50 33.4 42.06N 79.05E 14 4.4b,4.2b
NEIC VII 27 20 50 33.1–7.1 42.27N 78.52E 10–46 4.4b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=11.9km az=159.0.
NNC Error ellipse: s-maj=16.6km s-min=6.0km az=178.0.
MOS Error ellipse: s-maj=14.9km s-min=9.3km az=96.1.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=9.8km az=153.0.
ISC VIII 10 01 53 30.6–1.0 42.98N–.05 77.05E–.09 10 17 0-5
NNC VIII 10 01 53 27.1–.37 42.92N 77.17E 0 2.9,2.8b ¶11396648
KNET VIII 10 01 53 29.0–.66 42.92N 77.04E 7–3 2.6L,2.8b
ISCJB VIII 10 01 53 30.3–1.0 42.98N–.05 77.07E–.10 10 2.6L,2.8b
ISC VIII 31 07 34 55.0–.72 43.17N–.05 75.87E–.04 10 20 0-4
ISCJB VIII 31 07 34 54.9–.72 43.18N–.05 75.88E–.04 10 ¶11485932
KNET VIII 31 07 34 54.9–.69 43.12N 75.85E 20–4 1.9L
NNC VIII 31 07 34 55.4–2.9 42.88N 76.01E 0 2.9b,2.6
ISCJB Error ellipse: s-maj=6.9km s-min=4.3km az=0.8.
KNET Error ellipse: s-maj=4.6km s-min=2.1km az=37.0.
NNC Error ellipse: s-maj=53.9km s-min=5.1km az=171.0.
ISC VIII 31 22 15 09.4–1.1 42.14N–.07 76.08E–.05 10 17 0-4
NNC VIII 31 22 15 08.2–2.0 42.11N 76.04E 0 2.6,2.5b ¶11485953
ISCJB VIII 31 22 15 09.8–1.1 42.16N–.07 76.07E–.05 10 2.6,2.5b
KNET VIII 31 22 15 09.2–.70 42.18N 76.03E 2–12 1.9L,2.5b
NNC Error ellipse: s-maj=12.1km s-min=6.3km az=11.0.
ISCJB Error ellipse: s-maj=10.0km s-min=4.8km az=174.8.
KNET Error ellipse: s-maj=9.0km s-min=2.2km az=8.0.
ISC IX 02 20 49 41.1–.20 42.98N–.03 79.77E–.03 35 4.5b,3.9s 219 2-94
IDC IX 02 20 49 35.9–.48 43.05N 79.65E 0 4.5,4.4 ¶13393247
ISCJB IX 02 20 49 39.4–.21 43.01N–.03 79.80E–.03 33 4.5b,3.9s
NNC IX 02 20 49 40.3–1.6 43.55N 79.54E 0 4.9b,4.8
BJI IX 02 20 49 40.0 43.04N 79.83E 29 4.7L,4.6b
NEIC IX 02 20 49 40.4–1.8 43.09N 79.68E 27–13 4.7b,4.6b
MOS IX 02 20 49 41.3–1.0 43.30N 79.83E 33 4.8b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=10.2km s-min=9.2km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.2km az=14.3.
NNC Error ellipse: s-maj=22.4km s-min=4.6km az=144.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.3km az=164.0.
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=121.5.
ISC IX 07 20 41 15.0–1.8 42.96N–.05 77.3E–.10 10 16 0-8
NNC IX 07 20 41 14.1–.16 43.05N 77.10E 22–6 3.0b,2.8 ¶11493318
KNET IX 07 20 41 15.8–.92 42.92N 77.12E 23–5 2.5L,2.8
NNC Error ellipse: s-maj=8.2km s-min=4.8km az=169.0.
KNET Error ellipse: s-maj=5.3km s-min=3.8km az=72.0.
ISC IX 12 11 17 26.5–1.2 42.98N–.09 77.49E–.09 10 14 0-5
NNC IX 12 11 17 23.0–1.1 42.92N 77.58E 0 2.9b,2.8 ¶11783541
ISCJB IX 12 11 17 25.5–1.1 43.03N–.09 77.56E–.09 10 2.9b,2.8
ISC IX 16 07 31 39.6–1.2 42.49N–.05 76.01E–.07 10 15 1-6
ISCJB IX 16 07 31 38.4–1.2 42.49N–.06 76.09E–.08 10 ¶11783676
NNC IX 16 07 31 38.1–1.1 42.43N 75.97E 0 3.3b,3.0
KNET IX 16 07 31 39.3–.84 42.51N 75.95E 0–0 2.1L,3.0
ISCJB Error ellipse: s-maj=8.7km s-min=7.6km az=39.0.
NNC Error ellipse: s-maj=16.1km s-min=5.5km az=62.0.
KNET Error ellipse: s-maj=4.7km s-min=1.9km az=81.0.
ISC IX 17 19 37 34.9–.90 43.57N–.03 78.58E–.04 4–6 3.6b 103 1-84
IDC IX 17 19 37 32.1–.78 43.43N 78.60E 0 3.9,3.8b ¶13394543
ISCJB IX 17 19 37 33.8–1.1 43.61N–.03 78.62E–.04 9–7 3.6b,3.8b
NNC IX 17 19 37 34.2–2.3 43.66N 78.62E 6–11 4.3b,4.2
MOS IX 17 19 37 34.7–1.6 43.60N 78.54E 18 4.0b,4.2
BJI IX 17 19 37 38.7 43.51N 78.84E 46 4.6b,4.3b
NEIC IX 17 19 37 39.1–.70 43.60N 78.49E 47–8 3.7b,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=12.6km s-min=7.4km az=148.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.6km az=148.1.
NNC Error ellipse: s-maj=31.0km s-min=7.2km az=144.0.
MOS Event type fe. Error ellipse: s-maj=11.2km s-min=7.7km az=78.8. Felt (IV) at Saty, (II) at Almaty. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.9km az=136.0.
ISC IX 19 20 57 39.7–1.0 42.14N–.06 76.07E–.05 10 17 0-4
NNC IX 19 20 57 38.5–.53 42.12N 76.05E 0 2.6,2.6b ¶11514670
KNET IX 19 20 57 38.9–.41 42.15N 76.01E 0–0 2.2L,2.6b
ISCJB IX 19 20 57 39.4–1.2 42.11N–.07 76.07E–.06 10 2.2L,2.6b
ISC IX 21 05 01 11.8–1.3 42.51N–.08 79.6E–.10 10 7 2-8
ISCJB IX 21 05 01 08.1–1.5 42.36N–.10 79.8E–.20 10 ¶11514717
BJI IX 21 05 01 08.1 42.17N 79.99E 24 3.0L
NNC IX 21 05 01 10.1–2.7 42.68N 79.85E 0 3.6b,3.2
ISCJB Error ellipse: s-maj=22.5km s-min=6.2km az=36.3.
NNC Error ellipse: s-maj=29.6km s-min=8.1km az=151.0.
ISC IX 30 02 50 51.6–.64 43.05N–.06 76.63E–.06 10–6 24 0-11
NNC IX 30 02 50 50.5–1.0 43.31N 76.51E 0 3.5b,3.2 ¶11521495
ISCJB IX 30 02 50 51.1–.88 43.02N–.05 76.63E–.05 5–7 3.5b,3.2
KNET IX 30 02 50 52.2–.68 42.98N 76.53E 18–5 2.9L,3.2
NNC Error ellipse: s-maj=12.6km s-min=3.4km az=174.0.
ISCJB Error ellipse: s-maj=9.4km s-min=4.7km az=153.4.
KNET Error ellipse: s-maj=5.3km s-min=2.4km az=60.0.
ISC X 03 20 12 58.7–1.5 42.2N–.10 79.32E–.09 10 16 2-7
NNC X 03 20 12 59.2–3.6 42.52N 79.35E 0 3.8b,3.4 ¶11710802
NNC Error ellipse: s-maj=36.5km s-min=9.7km az=159.0.
ISC X 07 02 00 39.4–1.4 42.37N–.06 76.64E–.09 10 21 0-5
ISCJB X 07 02 00 39.0–1.3 42.39N–.05 76.66E–.08 10 ¶11710928
NNC X 07 02 00 38.3–1.9 42.37N 76.63E 0 2.5,2.5b
KNET X 07 02 00 40.5–.62 42.40N 76.48E 11–2 1.9L,2.5b
ISCJB Error ellipse: s-maj=10.4km s-min=5.2km az=40.3.
NNC Error ellipse: s-maj=12.3km s-min=4.3km az=159.0.
KNET Error ellipse: s-maj=4.5km s-min=3.0km az=112.0.
ISC X 11 17 37 49.6–2.2 43.7N–.40 78.5E–.40 10 14 1-6
NNC X 11 17 37 44.2–2.3 43.51N 78.59E 0 4.0b,3.7 ¶11711103
ISCJB X 11 17 37 47.5–1.6 43.5N–.30 78.6E–.20 10 4.0b,3.7
ISC X 21 05 33 28.3–.67 42.27N–.05 76.12E–.05 7–5 30 0-4
NNC X 21 05 33 27.1–2.7 42.26N 76.11E 4–69 3.1b,2.6 ¶11711299
KNET X 21 05 33 27.2–.52 42.28N 76.09E 13–3 2.3L,2.6
ISCJB X 21 05 33 28.1–.69 42.28N–.04 76.10E–.04 2–7 2.3L,2.6
ISC X 26 07 18 24.1–1.2 42.26N–.06 76.38E–.07 11–4 27 0-6
ISCJB X 26 07 18 24.5–1.1 42.25N–.07 76.36E–.06 12–5 ¶11711413
KNET X 26 07 18 24.5–.40 42.28N 76.26E 12–1 2.7L
NNC X 26 07 18 24.1–1.6 42.29N 76.32E 0 3.3b,3.1
ISCJB Error ellipse: s-maj=12.5km s-min=6.4km az=155.3.
KNET Error ellipse: s-maj=2.9km s-min=2.1km az=100.0.
NNC Error ellipse: s-maj=10.9km s-min=5.4km az=6.0.
ISC X 27 00 48 15.2–.56 43.16N–.04 78.04E–.06 10 54 1-20
NNC X 27 00 48 10.5–1.7 43.17N 78.12E 0 3.7b,3.2 ¶11711430
ISCJB X 27 00 48 12.5–.61 43.14N–.04 78.16E–.06 10 3.7b,3.2
IDC X 27 00 48 12.9–2.6 43.01N 78.45E 0 3.2L,3.2
BJI X 27 00 48 12.6 42.98N 78.18E 20 3.0L,3.2
NEIC X 27 00 48 14.7–1.0 43.10N 78.11E 10 3.0L,3.2
ISC Event type se.
NNC Error ellipse: s-maj=21.1km s-min=5.5km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.5km az=135.9.
IDC Error ellipse: s-maj=23.9km s-min=21.7km az=177.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=6.7km az=138.0.
ISC XI 01 05 48 01.2–.57 42.78N–.04 76.49E–.05 10 43 1-11
ISCJB XI 01 05 48 01.0–.57 42.77N–.04 76.51E–.05 10 ¶11711568
KNET XI 01 05 48 01.7–.78 42.74N 76.38E 11–3 3.0L
NNC XI 01 05 48 01.3–.75 42.78N 76.45E 0 3.7,3.6b
MOS XI 01 05 48 02.0–1.2 42.72N 76.52E 19 3.7b,3.6b
ISCJB Error ellipse: s-maj=6.1km s-min=3.4km az=138.7.
KNET Error ellipse: s-maj=5.6km s-min=2.2km az=64.0.
NNC Error ellipse: s-maj=7.6km s-min=1.2km az=161.0.
MOS Error ellipse: s-maj=15.8km s-min=10.2km az=156.0.
ISC XI 02 17 58 27.5–.50 42.72N–.03 76.50E–.04 8–4 3.6b 114 1-70
ISCJB XI 02 17 58 25.8–.63 42.75N–.03 76.56E–.04 10–4 3.6b ¶11711584
IDC XI 02 17 58 25.0–1.2 42.70N 76.52E 0 3.6b,3.6
MOS XI 02 17 58 27.0–1.6 42.82N 76.50E 15 3.7b,3.6
NNC XI 02 17 58 27.4–.31 42.73N 76.48E 10–1 3.7b,3.6
KNET XI 02 17 58 28.4–.60 42.66N 76.38E 14–2 3.4L,3.6
NEIC XI 02 17 58 29.7–2.1 42.79N 76.43E 26–16 3.4L,3.6
BJI XI 02 17 58 31.3 42.75N 76.85E 10 3.1L,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.7km az=142.5.
IDC Error ellipse: s-maj=19.1km s-min=8.0km az=151.0.
MOS Event type fe. Error ellipse: s-maj=8.5km s-min=6.7km az=78.1. Felt (II) at Almaty. Moment Tensor Solution.
NNC Error ellipse: s-maj=3.3km s-min=0.6km az=162.0.
KNET Error ellipse: s-maj=4.5km s-min=1.9km az=71.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=7.9km az=147.0.
NNC XI 18 08 17 43.3–1.3 42.71N 78.83E 0 4.0b,3.6
¶11750793
NNC Error ellipse: s-maj=14.6km s-min=5.6km az=150.0.
ISC XII 09 03 21 39.2–.92 42.78N–.05 76.70E–.08 10 14 0-5
ISCJB XII 09 03 21 38.8–1.0 42.77N–.05 76.73E–.09 10 ¶11712157
NNC XII 09 03 21 39.0–2.0 43.45N 76.41E 0 3.0b,2.8
KNET XII 09 03 21 39.9–.91 42.76N 76.58E 9–4 1.9L,2.8
ISCJB Error ellipse: s-maj=11.5km s-min=5.1km az=33.1.
NNC Error ellipse: s-maj=18.9km s-min=3.8km az=177.0.
KNET Error ellipse: s-maj=8.2km s-min=2.7km az=73.0.
ISC XII 20 11 23 15.0–1.6 42.13N–.08 76.19E–.08 9–6 14 0-4
ISCJB XII 20 11 23 14.6–1.8 42.11N–.09 76.20E–.10 10–6 ¶11712332
NNC XII 20 11 23 14.5–1.1 42.20N 76.28E 0 2.8b,2.6
KNET XII 20 11 23 15.4–.39 42.16N 76.11E 4–4 2.3L,2.6
ISCJB Error ellipse: s-maj=17.4km s-min=8.0km az=143.5.
NNC Error ellipse: s-maj=7.4km s-min=2.9km az=4.0.
KNET Error ellipse: s-maj=3.4km s-min=1.3km az=157.0.

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NNC IX 01 22 46 50.6–3.2 49.84N 87.50E 0 3.5b,3.1
¶11485981

NNC Error ellipse: s-maj=24.7km s-min=14.8km az=74.0.
NNC IX 11 05 37 39.0–.55 46.99N 82.90E 12–59 1.7
¶11783499
NNC Error ellipse: s-maj=38.7km s-min=4.8km az=65.0.
ISC IX 11 11 25 53.7–.50 45.59N–.06 80.19E–.07 10 25 2-82
BJI IX 11 11 25 43.5 45.67N 79.70E 10 3.7L **¶11783510**
IDC IX 11 11 25 48.8–1.1 45.19N 80.58E 0 3.6,3.5
NNC IX 11 11 25 49.9–1.8 45.23N 80.51E 0 3.9b,3.5
ISCJB IX 11 11 25 52.3–.53 45.63N–.07 80.08E–.08 10 3.9b,3.5
NEIC IX 11 11 25 53.8–.47 45.61N 80.18E 10 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=9.5km az=140.0.
NNC Error ellipse: s-maj=30.9km s-min=10.8km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=4.6km az=144.7.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.2km az=141.0.
NNC IX 27 12 48 08.7–1.9 49.58N 87.41E 11–8 3.9b,3.5
¶11519337
NNC Error ellipse: s-maj=15.2km s-min=8.4km az=77.0.
NNC XI 22 16 08 05.3–.33 46.65N 82.44E 0 1.1
¶11751056
NNC Error ellipse: s-maj=7.4km s-min=1.6km az=50.0.
NNC XI 26 09 17 43.1–2.5 46.27N 84.82E 0 3.6b,3.2
¶11751203
NNC Error ellipse: s-maj=18.4km s-min=12.2km az=106.0.
ISC XII 06 02 59 02.9–1.5 48.04N–.05 86.24E–.08 4–10 3.6b 41 3-83
ISCJB XII 06 02 59 01.1–1.7 48.10N–.05 86.17E–.10 2–10 3.6b **¶12075971**
IDC XII 06 02 59 02.1–.98 48.04N 86.16E 0 3.7,3.6b
NNC XII 06 02 59 02.6–8.8 48.07N 86.03E 0 3.8b,3.5
NEIC XII 06 02 59 03.5–.67 48.04N 86.26E 10 2.9b,3.5
BJI XII 06 02 59 05.8 47.85N 86.07E 13 3.2L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=8.1km az=29.1.
IDC Error ellipse: s-maj=15.4km s-min=11.4km az=33.0.
NNC Error ellipse: s-maj=65.1km s-min=38.9km az=83.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.2km az=113.0.

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NNC VII 06 10 58 54.7–4.2 43.69N 81.11E 0 3.7b,3.4
BJI VII 06 10 58 58.1 43.14N 81.63E 15 2.9L,3.4 **¶11327899**
NNC Error ellipse: s-maj=59.0km s-min=15.5km az=138.0.
BJI VII 10 21 26 47.7 44.00N 87.62E 15 4.5b,3.7b
¶11479941
ISC VII 15 14 00 30.9–1.3 43.99N–.06 86.69E–.06 13–8 3.5b 31 1-80
ISCJB VII 15 14 00 27.7–1.4 44.01N–.07 86.55E–.06 3–9 3.5b **¶11346176**
IDC VII 15 14 00 29.1–.96 43.55N 86.48E 0 3.6,3.5L
BJI VII 15 14 00 32.0 43.90N 86.84E 12 4.2b,4.2b
NNC VII 15 14 00 34.7–1.7 44.00N 86.58E 31–12 3.8b,3.5
NEIC VII 15 14 00 34.8–2.5 43.71N 86.41E 41–24 4.2b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=6.4km az=24.9.
IDC Error ellipse: s-maj=41.8km s-min=13.8km az=45.0.
NNC Error ellipse: s-maj=13.3km s-min=11.8km az=92.0.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=13.1km az=194.0.
BJI VII 26 04 43 10.1 42.67N 86.19E 13 2.8L
¶11362251
NNC VII 26 07 22 34.9–5.0 44.10N 81.87E 0 3.5b,3.1
¶11362253
NNC Error ellipse: s-maj=44.5km s-min=28.2km az=147.0.
NNC VII 28 05 34 09.1–4.0 43.95N 87.40E 21–28 3.4b,3.0
BJI VII 28 05 34 07.6 43.91N 87.17E 29 2.9L,3.0 **¶11362705**
NNC Error ellipse: s-maj=65.2km s-min=29.8km az=39.0.
NNC VII 30 10 44 45.2–3.8 43.06N 83.94E 0 2.7b,2.3
BJI VII 30 10 44 41.1 42.85N 84.24E 8 2.8L,2.3 **¶11377336**
NNC Error ellipse: s-maj=32.3km s-min=27.3km az=120.0.
ISC VIII 04 17 32 34.3–2.3 46.65N–.06 89.7E–.20 10 9 3-8
BJI VIII 04 17 32 31.7 46.69N 89.99E 17 3.2L **¶11382291**
NNC VIII 04 17 32 35.8–3.4 46.59N 89.22E 0 3.5b,3.1
NNC Error ellipse: s-maj=25.3km s-min=21.1km az=93.0.
ISC VIII 05 17 06 51.1–.20 44.99N–.02 93.00E–.03 10 4.2b,3.7s 156 4-150
BJI VIII 05 17 06 49.1 44.87N 93.01E 7 4.9L,4.6b **¶11154202**
ISCJB VIII 05 17 06 49.2–.21 45.02N–.03 93.01E–.03 10 4.2b,3.7s
IDC VIII 05 17 06 49.1–.66 45.08N 93.13E 0 4.1,4.0
NEIC VIII 05 17 06 50.9–.39 44.98N 92.98E 10 4.4b,4.0
NNC VIII 05 17 06 51.7–2.3 44.61N 92.50E 8–7 4.4,4.3b
MOS VIII 05 17 06 53.0–1.9 45.07N 92.93E 33 4.6b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=29.0.
IDC Error ellipse: s-maj=18.2km s-min=11.4km az=19.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.0km az=183.0.
NNC Error ellipse: s-maj=32.5km s-min=17.0km az=33.0.
MOS Error ellipse: s-maj=9.5km s-min=7.1km az=129.0.
ISC VIII 06 10 55 23.3–.97 44.16N–.08 84.30E–.09 10 15 2-16
NNC VIII 06 10 55 13.2–3.8 43.82N 85.47E 0 3.5b,3.2 **¶11391607**
ISCJB VIII 06 10 55 20.7–.98 44.13N–.08 84.16E–.10 10 3.5b,3.2
NEIC VIII 06 10 55 20.1–3.7 43.82N 84.16E 10 3.5b,3.2
IDC VIII 06 10 55 20.1–3.9 44.05N 84.27E 0 3.2,3.2
BJI VIII 06 10 55 21.7 44.18N 84.60E 10 2.9L,3.2
ISC Event type se.
NNC Error ellipse: s-maj=28.7km s-min=19.6km az=134.0.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=8.1km az=35.9.
NEIC Event type se. Error ellipse: s-maj=54.4km s-min=14.2km az=19.0.
IDC Error ellipse: s-maj=56.7km s-min=28.9km az=42.0.
ISC VIII 06 15 30 59.5–1.2 43.91N–.05 84.23E–.07 11–8 34 3-16
IDC VIII 06 15 30 55.1–3.5 43.63N 84.35E 0 3.4,3.4 **¶11391618**
BJI VIII 06 15 30 56.6 43.63N 84.37E 13 3.5L,3.4
ISCJB VIII 06 15 30 58.2–2.6 43.97N–.07 84.15E–.06 16–27 3.5L,3.4
NEIC VIII 06 15 30 58.2–1.5 43.79N 84.30E 10 3.5L,3.4
NNC VIII 06 15 30 59.2–2.8 43.66N 83.61E 0 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=28.0km az=37.0.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=6.6km az=9.8.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=12.5km az=151.0.
NNC Error ellipse: s-maj=28.3km s-min=20.0km az=91.0.
ISC VIII 14 12 55 23.9–.83 46.13N–.04 90.2E–.10 10 3.6b 30 3-80
IDC VIII 14 12 55 21.7–1.2 45.80N 89.77E 0 3.9,3.8L **¶11449851**
ISCJB VIII 14 12 55 21.8–.87 46.17N–.04 90.1E–.10 10 3.6b,3.8L
ASRS VIII 14 12 55 24.6–2.7 46.06N 90.03E 15 3.2s,3.8L
BJI VIII 14 12 55 24.8 46.06N 89.95E 12 3.8L,3.8b
NNC VIII 14 12 55 26.3–2.3 46.07N 89.83E 0 4.0b,3.5
NEIC VIII 14 12 55 40.6–1.3 46.72N 88.66E 70–15 4.0b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=58.3km s-min=16.6km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=6.4km az=6.0.
NNC Error ellipse: s-maj=23.6km s-min=19.1km az=178.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.3km az=104.0.
ISC VIII 16 12 21 21.8–.74 42.43N–.06 88.2E–.10 10 3.6b 18 1-78
ISCJB VIII 16 12 21 20.0–.74 42.37N–.07 88.0E–.10 10 3.6b **¶11452608**
IDC VIII 16 12 21 19.7–1.2 42.27N 88.09E 0 3.8,3.7b
BJI VIII 16 12 21 20.0 41.98N 87.84E 19 3.7L,3.6b
NEIC VIII 16 12 21 21.8–.74 42.42N 88.11E 10 3.2b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=7.4km az=148.3.
IDC Error ellipse: s-maj=77.2km s-min=15.3km az=52.0.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=10.0km az=54.0.
ISC VIII 17 04 31 51.7–1.6 44.0N–.20 87.1E–.20 10 7 0-14
IDC VIII 17 04 31 49.4–5.6 43.93N 86.95E 0 3.2,3.2 **¶11452622**
ISCJB VIII 17 04 31 50.7–.92 44.1N–.10 87.2E–.20 10 3.2,3.2
BJI VIII 17 04 31 51.9 44.05N 87.17E 15 3.1L,3.2
IDC Error ellipse: s-maj=77.7km s-min=28.2km az=19.0.
ISCJB Error ellipse: s-maj=24.3km s-min=5.8km az=39.1.
ISC VIII 18 08 23 30.4–1.9 44.1N–.10 82.5E–.20 10 3.7b 9 3-74
NNC VIII 18 08 23 25.6–2.8 43.76N 82.99E 0 3.6b,3.3 **¶11453247**
IDC VIII 18 08 23 28.7–2.7 44.13N 82.69E 0 3.8b,3.7
BJI VIII 18 08 23 31.0 44.09N 83.13E 15 3.1L,3.7
NNC Error ellipse: s-maj=27.3km s-min=16.8km az=111.0.
IDC Error ellipse: s-maj=56.7km s-min=16.9km az=102.0.
ISC VIII 19 03 01 44.5–1.1 43.19N–.05 83.05E–.05 2–7 3.6b 37 3-79
IDC VIII 19 03 01 42.2–1.0 42.95N 83.07E 0 3.8,3.7b **¶11457552**
NEIC VIII 19 03 01 44.2–1.3 42.91N 83.27E 10 3.7b,3.7b
BJI VIII 19 03 01 45.9 42.92N 83.47E 24 4.3b,3.6L
NNC VIII 19 03 01 52.9–1.9 43.42N 82.62E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=12.8km az=79.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=10.3km az=146.0.
NNC Error ellipse: s-maj=19.7km s-min=8.3km az=126.0.
ISC VIII 21 22 24 27.9–.53 42.52N–.04 81.13E–.04 10 3.7b 69 3-73
IDC VIII 21 22 24 24.1–1.4 42.32N 81.21E 0 3.6,3.6 **¶11477702**
BJI VIII 21 22 24 25.4 42.23N 81.46E 22 3.7L,3.6
ISCJB VIII 21 22 24 26.4–.54 42.61N–.05 81.12E–.05 10 3.7b,3.6
NNC VIII 21 22 24 29.4–3.4 42.81N 81.00E 0 4.3b,3.9
MOS VIII 21 22 24 29.7–1.3 42.63N 81.17E 33 4.4b,3.9
NEIC VIII 21 22 24 31.7–.86 42.62N 81.16E 43–9 3.8b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=11.6km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.1km az=154.6.
NNC Error ellipse: s-maj=39.1km s-min=11.9km az=149.0.
MOS Error ellipse: s-maj=12.2km s-min=9.5km az=97.4.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.5km az=155.0.
NNC VIII 22 20 15 41.2–1.9 42.70N 83.50E 0 3.2b,2.8
BJI VIII 22 20 15 17.7 41.84N 84.13E 12 2.8L,2.8 **¶11477726**
NNC Error ellipse: s-maj=41.6km s-min=14.4km az=72.0.
BJI VIII 25 17 39 20.7 42.11N 87.54E 21 3.0L
¶11477783
ISC VIII 29 21 55 28.1–1.3 43.79N–.05 84.70E–.06 9–7 3.9b 68 2-78
LDG VIII 29 21 55 25.5–.33 43.41N 84.40E 10–0 4.2b,2.6s **¶13392923**
IDC VIII 29 21 55 25.9–.88 43.64N 84.73E 0 3.7,3.6
ISCJB VIII 29 21 55 26.3–1.3 43.86N–.05 84.69E–.07 9–7 3.9b,3.6
BJI VIII 29 21 55 29.1 43.53N 84.64E 20 4.6b,4.2b
NNC VIII 29 21 55 30.3–6.7 43.76N 84.63E 10–27 4.5,3.5b
NEIC VIII 29 21 55 30.3–1.8 43.73N 84.83E 30–12 4.1b,3.5b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=13.1km s-min=6.7km az=135.0.
IDC Error ellipse: s-maj=19.1km s-min=10.7km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=7.6km az=39.0.
NNC Error ellipse: s-maj=46.2km s-min=19.6km az=124.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.9km az=186.0.
ISC VIII 30 12 46 47.6–.54 42.71N–.01 83.89E–.02 9–3 5.2b,5.1s 1065 3-161
BGS VIII 30 12 46 41.8–1.8 41.79N 84.16E 10–0 5.5s,4.9b **¶13392964**
ISCJB VIII 30 12 46 44.9–.59 42.70N–.02 83.84E–.02 2–3 5.2b,5.1s
LDG VIII 30 12 46 45.0–.32 42.65N 83.81E 10–0 5.2b,4.6s
IDC VIII 30 12 46 45.9–.39 42.74N 83.97E 0 5.1,5.1
NNC VIII 30 12 46 45.6–1.9 42.70N 84.14E 7–8 5.5,5.5b
BJI VIII 30 12 46 46.9 42.65N 83.95E 11 5.5s,5.5L
NEIC VIII 30 12 46 47.8–.11 42.73N 83.90E 10 5.2b,5.5L
GCMT VIII 30 12 46 49.7–.10 42.79N 83.96E 13–0 5.3W,5.5L
MOS VIII 30 12 46 49.2–1.0 42.69N 83.81E 31 5.4b,5.1s
SZGRF VIII 30 12 46 49.9 42.57N 84.38E 33 5.4b,5.0s
DJA VIII 30 12 46 53 42.13N 83.51E 15 5.4b,5.0s
ISC Event type fe.
BGS Error ellipse: s-maj=563.6km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.0km az=26.5.
LDG Event type ke. Error ellipse: s-maj=16.1km s-min=4.5km az=162.0.
IDC Error ellipse: s-maj=10.6km s-min=8.1km az=47.0.
NNC Error ellipse: s-maj=14.4km s-min=9.3km az=143.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=190.0. Felt at Korla.
GCMT Event type se. Data Used: IU II IC CN G. Moment Tensor Solution. s59,c90; s93,c175;
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00
Best double couple: NP1:ϕ_s265.00000°,δ39.00000°,λ118.00000°. NP2:ϕ_s50.00000°
,δ57.00000°,λ69.00000°. Principal axes: T 0.9600,Plg70.0000°,Azm272.0000°
; N 0.3600,Plg17.0000°,Azm62.0000°; P -1.3200,Plg9.0000°,Azm155.0000°
$M_0$1.10000×10^{17}
MOS Error ellipse: s-maj=5.5km s-min=3.2km az=132.9.
SZGRF Northern Xinjiang, China.
ISC VIII 31 08 24 46.2–1.0 42.89N–.03 83.88E–.05 10–6 4.0b 77 3-130
IDC VIII 31 08 24 43.5–.70 42.76N 83.86E 0 4.1,4.0b **¶13393045**
NEIC VIII 31 08 24 45.2–.59 42.76N 84.00E 10 3.7b,4.0b
BJI VIII 31 08 24 45.7 42.51N 83.79E 14 4.7b,4.2L
MOS VIII 31 08 24 46.6–1.3 42.75N 83.80E 33 4.2b,4.2L
NNC VIII 31 08 24 49.1–3.1 42.97N 83.70E 0 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=10.3km az=57.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=8.0km az=120.0.
MOS Error ellipse: s-maj=13.8km s-min=8.1km az=114.2.
NNC Error ellipse: s-maj=30.2km s-min=15.9km az=129.0.
ISC VIII 31 08 25 54.3–.30 42.64N–.04 83.78E–.04 10 4.2b 65 3-144
IDC VIII 31 08 25 52.0–.58 42.66N 83.82E 0 4.3,4.2 **¶13393046**
ISCJB VIII 31 08 25 52.3–.30 42.64N–.04 83.79E–.04 10 4.2b,4.2
NEIC VIII 31 08 25 54.1–.39 42.68N 83.91E 10 4.5b,4.2
BJI VIII 31 08 25 54.8 42.55N 83.93E 13 4.7b,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=10.8km az=35.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=5.2.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.1km az=204.0.
ISC VIII 31 19 52 10.6–1.4 42.89N–.09 83.99E–.07 10 12 3-16
ISCJB VIII 31 19 52 07.8–1.4 42.99N–.09 83.95E–.07 10 **¶11485948**
BJI VIII 31 19 52 08.7 42.49N 83.85E 18 3.0L
IDC VIII 31 19 52 09.3–3.6 42.79N 83.46E 0 3.0,3.0
NNC VIII 31 19 52 10.6–2.8 42.82N 83.77E 0 3.1b,2.8
ISCJB Error ellipse: s-maj=13.2km s-min=6.8km az=7.2.
IDC Error ellipse: s-maj=45.3km s-min=26.6km az=53.0.
NNC Error ellipse: s-maj=26.2km s-min=13.4km az=123.0.
BJI IX 01 05 37 19.3 42.54N 83.94E 16 2.7L
¶11485959
ISC IX 03 09 04 30.6–1.1 44.08N–.08 89.04E–.08 10 9 1-14
ISCJB IX 03 09 04 28.2–1.1 44.13N–.08 89.08E–.09 10 **¶11486039**
BJI IX 03 09 04 30.4 43.72N 89.08E 16 3.3L
NNC IX 03 09 04 37.0–3.1 44.66N 88.96E 8–16 3.5b,3.2
ISCJB Error ellipse: s-maj=11.5km s-min=8.8km az=0.6.
NNC Error ellipse: s-maj=34.7km s-min=21.2km az=31.0.
ISC IX 06 12 03 18.7–.53 42.82N–.04 84.09E–.06 10 3.6b 48 3-80
ISCJB IX 06 12 03 16.6–.53 42.88N–.04 84.06E–.06 10 3.6b **¶11492183**
IDC IX 06 12 03 16.2–.82 42.67N 83.85E 0 3.8b,3.8
BJI IX 06 12 03 17.4 42.59N 83.98E 7 3.7L,3.8
NNC IX 06 12 03 17.1–.85 42.83N 83.96E 0 4.1b,3.6
NEIC IX 06 12 03 18.3–.69 42.72N 83.96E 10 3.3b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.3km az=148.6.
IDC Error ellipse: s-maj=23.2km s-min=12.8km az=51.0.
NNC Error ellipse: s-maj=6.6km s-min=2.6km az=133.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.5km az=216.0.
BJI IX 06 16 31 55.4 43.38N 87.54E 15 2.7L
NNC IX 06 16 32 00.5–2.8 44.03N 87.13E 0 3.4b,3.0 **¶11492195**
NNC Error ellipse: s-maj=22.5km s-min=20.8km az=53.0.
ISC IX 06 21 03 14.6–.58 42.69N–.06 83.67E–.05 10 3.7b 43 3-81
IDC IX 06 21 03 11.9–.87 42.60N 83.64E 0 3.8,3.7b **¶11492198**
ISCJB IX 06 21 03 13.3–.65 42.80N–.06 83.58E–.06 10 3.7b,3.7b
BJI IX 06 21 03 15.0 42.64N 83.77E 16 4.0b,3.6L
NNC IX 06 21 03 17.8–.78 43.13N 83.86E 0 3.8b,3.4
NEIC IX 06 21 03 18.7–1.2 42.77N 83.79E 50–13 4.2b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=15.1km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.0km az=1.3.

NNC Error ellipse: s-maj=7.3km s-min=2.7km az=142.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.9km az=164.0.
BJI IX 11 07 16 37.9 43.81N 86.65E 13 2.8L ¶11783502

BJI IX 15 08 12 50.7 43.50N 84.42E 17 2.8L ¶11783632

NNC IX 20 09 23 23.0–6.7 46.68N 89.83E 0 3.1b,2.7 ¶11514691

NNC Error ellipse: s-maj=82.4km s-min=47.7km az=29.0.
NNC IX 20 14 51 19.1–4.4 43.96N 85.39E 0 3.2b,2.9
BJI IX 20 14 51 18.5 43.76N 85.28E 16 3.0L,2.9 **¶11514700**
NNC Error ellipse: s-maj=35.4km s-min=20.6km az=142.0.
ISC X 11 11 36 43.3–1.6 42.05N–.05 83.48E–.06 14–9 4.0b 46 4-95
IDC X 11 11 36 41.0–.86 42.13N 83.63E 0 3.9,3.8b **¶11748556**
NEIC X 11 11 36 42.4–.62 42.07N 83.55E 10 4.0b,3.8b
BJI X 11 11 36 42.1 41.81N 83.76E 13 3.7L,3.8b
ISCJB X 11 11 36 44.0–.56 42.03N–.05 83.34E–.06 33 4.0b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 12 21 08 41.9–1.4 44.82N–.05 83.33E–.08 1–8 27 2-16
IDC X 12 21 08 37.3–2.9 44.51N 82.90E 0 3.4,3.4 **¶11748687**
ISCJB X 12 21 08 41.6–1.4 44.89N–.05 83.30E–.09 15–8 3.4,3.4
NEIC X 12 21 08 45.6–1.1 44.83N 83.25E 35 3.7b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=22.1km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=7.3km az=33.1.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=10.9km az=153.0.
ISC X 25 13 43 08.1–1.2 42.31N–.08 85.3E–.10 10 26 5-77
ISCJB X 25 13 43 05.8–1.2 42.29N–.08 85.2E–.10 10 **¶11749419**
IDC X 25 13 43 07.5–1.7 42.34N 85.82E 0 3.5b,3.4
NEIC X 25 13 43 11.8–1.4 42.14N 85.12E 35 3.5b,3.4
NNC X 25 13 43 14.6–4.1 42.40N 84.66E 0 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=11.3km az=8.5.
IDC Error ellipse: s-maj=69.3km s-min=18.9km az=60.0.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=18.0km az=65.0.
NNC Error ellipse: s-maj=33.3km s-min=15.9km az=125.0.
NNC XI 12 02 45 30.4–2.3 44.87N 81.03E 0 3.5b,3.1 ¶11750463

NNC Error ellipse: s-maj=23.3km s-min=17.3km az=137.0.
NNC XI 12 14 14 22.8–3.4 43.37N 84.13E 0 3.8b,3.5 ¶11750491

NNC Error ellipse: s-maj=34.4km s-min=17.3km az=136.0.
NNC XI 20 20 26 35.0–1.6 42.56N 81.32E 0 3.5b,3.1 ¶11750933

NNC Error ellipse: s-maj=17.3km s-min=5.4km az=140.0.
ISC XI 22 19 41 28.3–2.1 42.21N–.10 81.40E–.06 1–20 29 4-23
BJI XI 22 19 41 28.4 42.19N 81.38E 14 3.0L **¶11751060**
NEIC XI 22 19 41 29.7–1.6 42.28N 81.46E 10 3.0L
IDC XI 22 19 41 33.5–3.4 42.62N 82.00E 0 3.1L,3.1
NNC XI 22 19 41 39.4–8.5 42.97N 82.67E 0 3.4b,3.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=10.1km az=152.0.
IDC Error ellipse: s-maj=36.3km s-min=30.1km az=58.0.
NNC Error ellipse: s-maj=84.1km s-min=36.2km az=143.0.
ISC XI 23 15 45 29.8–.50 44.22N–.04 83.52E–.06 10 3.5b 50 3-82
BJI XI 23 15 45 27.8 43.97N 83.72E 23 4.4b,4.2b **¶11751097**
IDC XI 23 15 45 27.1–.75 44.06N 83.31E 0 3.7,3.6b
ISCJB XI 23 15 45 28.0–.51 44.30N–.04 83.48E–.06 10 3.5b,3.6b
NNC XI 23 15 45 30.1–3.2 44.02N 83.13E 0 3.4b,3.1
NEIC XI 23 15 45 33.3–1.3 44.20N 83.56E 44–13 3.4b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=10.0km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.2km az=39.1.
NNC Error ellipse: s-maj=30.2km s-min=17.7km az=137.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.6km az=151.0.
NNC XII 02 07 05 24.7–7.7 43.07N 84.86E 0 3.8b,3.6
BJI XII 02 07 04 24.6 41.85N 83.39E 14 3.2L,3.6 **¶11751476**
NNC Error ellipse: s-maj=94.8km s-min=33.9km az=115.0.
ISC XII 06 09 24 58.6–.14 43.95N–.02 86.05E–.03 71 4.8b 441 1-146
IDC XII 06 09 24 54.6–2.6 44.06N 86.16E 33–19 5.3L,4.5 **¶13402061**
MOS XII 06 09 24 54.4–1.0 44.09N 86.09E 45 5.1b,4.5
ISCJB XII 06 09 24 56.7–.14 43.98N–.02 86.02E–.03 69 4.8b,4.5
BJI XII 06 09 24 56.0 44.07N 86.14E 50 5.0b,4.8b
LDG XII 06 09 24 57.1 44.10N 86.02E 71 5.0b,4.8b
SZGRF XII 06 09 24 57.4 44.14N 86.06E 33 5.1b,4.8b
NEIC XII 06 09 24 58.5–.14 43.96N 86.02E 70 5.0b,4.8b
NNC XII 06 09 25 00.1–3.3 44.45N 85.36E 0 4.7b,4.7
DJA XII 06 09 25 01 44.06N 86.06E 95 5.1b,4.7
ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=9.8km az=25.0.
MOS Error ellipse: s-maj=7.1km s-min=4.5km az=128.3.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=28.9.
LDG Event type ke.
SZGRF Northern Xinjiang, China.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=49.0.
NNC Error ellipse: s-maj=38.0km s-min=16.0km az=82.0.
ISC XII 06 14 33 26.5–1.9 44.49N–.08 83.3E–.10 2–12 9 2-9
BJI XII 06 14 33 24.1 44.22N 83.43E 17 2.8L **¶12076035**
NNC XII 06 14 33 25.4–5.6 44.52N 83.25E 0 3.0b,2.6
ISCJB XII 06 14 33 26.3–1.8 44.55N–.09 83.2E–.10 13–11 3.0b,2.6
NNC XII 12 10 42 04.2–6.2 44.35N 87.85E 8–90 3.7b,3.5 ¶12077110

NNC Error ellipse: s-maj=93.3km s-min=41.2km az=127.0.
ISC XII 13 12 44 14.3–.66 43.16N–.08 87.92E–.10 10 3.4b 39 5-79
ISCJB XII 13 12 44 12.1–.65 43.20N–.08 87.92E–.10 10 3.4b **¶12077302**
IDC XII 13 12 44 12.1–.98 43.18N 88.08E 0 3.8,3.7L
NEIC XII 13 12 44 14.0–.61 43.21N 88.18E 10 3.8b,3.7L
NNC XII 13 12 44 15.8–4.6 43.20N 87.58E 0 3.6b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=6.9km az=39.0.
IDC Error ellipse: s-maj=48.8km s-min=14.2km az=54.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=8.3km az=52.0.
NNC Error ellipse: s-maj=65.4km s-min=32.7km az=66.0.
ISC XII 21 03 25 03.4–3.1 46.74N–.06 90.0E–.30 10 8 3-9
BJI XII 21 03 25 03.2 46.77N 90.26E 4 2.8L **¶12078408**
NNC XII 21 03 25 06.7–6.9 46.93N 89.84E 0 3.3b,3.0
NNC Error ellipse: s-maj=49.4km s-min=40.8km az=93.0.
ISC XII 22 03 24 09.9–2.0 42.13N–.09 81.35E–.08 9–13 3.2b 29 4-75
ISCJB XII 22 03 24 08.0–1.9 42.14N–.09 81.36E–.08 5–13 3.2b **¶12078514**
IDC XII 22 03 24 09.6–1.7 42.31N 81.19E 0 3.4L,3.4
NEIC XII 22 03 24 09.6–1.5 42.13N 81.60E 10 3.2b,3.4
NNC XII 22 03 24 10.9–4.6 42.42N 81.71E 0 3.9b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=8.4km az=159.2.
IDC Error ellipse: s-maj=36.3km s-min=20.4km az=107.0.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=13.2km az=151.0.
NNC Error ellipse: s-maj=46.0km s-min=13.6km az=141.0.

(333) Tuva-Buryatia-Mongolia border region.

ISC VII 03 14 37 03.0–1.7 50.15N–.06 91.4E–.10 10 12 3-7
ASRS VII 03 14 37 04.4–1.7 50.08N 91.59E 15 2.9s **¶11325523**
ISC VII 19 00 16 40.7–.76 51.35N–.05 100.49E–.04 10 66 0-24
BYKL VII 19 00 16 40.2–.61 51.24N 100.31E **¶12698296**
MOS VII 19 00 16 41.1–2.1 51.19N 100.37E 23 4.4b
IDC VII 19 00 16 42.9–2.4 50.56N 99.73E 0 3.5b,3.3
ISC Event type se.
BYKL Event type se.
MOS Error ellipse: s-maj=21.9km s-min=17.7km az=70.6.
IDC Error ellipse: s-maj=118.9km s-min=23.9km az=25.0.

MOS VII 21 13 58 04.0–2.4 51.34N 98.05E 16 4.4b ¶12863139

MOS Error ellipse: s-maj=56.9km s-min=18.7km az=145.2.
ISC VII 28 00 01 27.9–.41 50.56N–.03 91.12E–.05 10 3.7b 79 2-83
NNC VII 28 00 01 23.5–5.6 50.44N 91.45E 0 4.2b,4.0 **¶13390286**
MOS VII 28 00 01 24.4–1.6 50.35N 91.18E 10 4.1b,4.0
IDC VII 28 00 01 25.9–.92 50.44N 91.18E 0 3.9,3.8
ISCJB VII 28 00 01 27.3–.48 50.64N–.03 90.87E–.06 10 3.7b,3.8
BJI VII 28 00 01 28.7 50.63N 90.62E 31 4.2L,4.0b
NEIC VII 28 00 01 30.4–.50 50.53N 91.19E 35 3.9b,4.0b
ASRS VII 28 00 01 31.1–1.0 50.61N 90.92E 15 3.2s,4.0b
ISC Event type se.
NNC Error ellipse: s-maj=58.6km s-min=39.1km az=73.0.
MOS Error ellipse: s-maj=12.3km s-min=9.2km az=40.5.
IDC Error ellipse: s-maj=18.3km s-min=12.1km az=175.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=4.8km az=2.1.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.3km az=176.0.
ISC VII 28 02 25 11.1–.62 50.60N–.03 90.84E–.06 10 3.6b 50 2-63
NNC VII 28 02 25 06.3–7.8 50.59N 91.26E 0 3.9b,3.6 **¶11362701**
MOS VII 28 02 25 08.0–1.7 50.29N 91.03E 10 4.0b,3.6
IDC VII 28 02 25 09.2–1.2 50.57N 91.03E 0 3.6,3.5b
ISCJB VII 28 02 25 10.5–.79 50.66N–.04 90.69E–.07 10 3.6b,3.5b
NEIC VII 28 02 25 12.1–2.9 50.58N 91.04E 21–25 3.6b,3.5b
ASRS VII 28 02 25 14.1–1.1 50.63N 90.81E 15 2.9s,3.5b
ISC Event type se.
NNC Error ellipse: s-maj=78.7km s-min=60.1km az=61.0.
MOS Error ellipse: s-maj=16.6km s-min=11.0km az=122.4.
IDC Error ellipse: s-maj=19.8km s-min=13.8km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.8km az=26.3.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=9.2km az=184.0.
ISC VIII 16 04 01 07.4–.54 52.26N–.01 98.17E–.02 3–3 5.5s,5.3b 1328 1-166
NNC VIII 16 04 01 05.7–2.7 52.72N 98.31E 0 5.3b,5.3b **¶13391853**
BJI VIII 16 04 01 05.6 52.25N 98.09E 12 6.0s,5.8
LDG VIII 16 04 01 05.1–.14 52.13N 98.17E 10–0 5.2b,5.2s
IDC VIII 16 04 01 05.7–.41 52.21N 98.27E 0 5.3s,5.3
ISCJB VIII 16 04 01 06.8–.07 52.23N–.01 98.09E–.02 10 5.5s,5.3b
MOS VIII 16 04 01 06.6–1.1 52.20N 98.23E 15 5.5s,5.5b
ASRS VIII 16 04 01 07.8–1.6 52.56N 98.21E 15 5.8s,5.5b
NEIC VIII 16 04 01 08.6–1.5 52.27N 98.21E 12–9 5.6W,5.4s
GCMT VIII 16 04 01 11.7–.10 52.16N 98.31E 28–0 5.7W,5.4s
BGS VIII 16 04 01 11.3–1.8 51.95N 96.76E 14–0 5.8s,5.3b
SZGRF VIII 16 04 01 14.0 51.98N 97.65E 33 5.7s,5.3b
DJA VIII 16 04 01 27 51.82N 97.26E 150 5.3b,5.3b
ISC Event type fe.
NNC Error ellipse: s-maj=34.4km s-min=24.6km az=12.0.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=73.0.
IDC Error ellipse: s-maj=12.1km s-min=8.8km az=13.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.6km az=16.9.
MOS Event type fe. Error ellipse: s-maj=6.2km s-min=4.0km az=38.0. Felt (VI) at Orlik; (V) at Mondy; (III-IV) at Irkutsk; (II-III) at Zakamensk, Angarsk, Zima, Tulun; (II) at Nizneudinsk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.3km az=181.0. Moment Tensor Solution. s111 Moment tensor: Scale 10^{17}Nm; M_{rr}0.94 $M_{\theta\theta}$1.03 $M_{\phi\phi}$-1.97 $M_{r\theta}$-0.10 $M_{\theta\phi}$2.32 $M_{\phi r}$0.29 Best double couple: NP1:ϕ_s106.00000°,δ85.00000°,λ-1.00000°. NP2:ϕ_s196.00000°,δ89.00000°,λ-175.00000°. Principal axes: T 2.2900,Plg2.0000°,Azm331.0000° ; N 0.9600,Plg85.0000°,Azm213.0000°; P -3.2500,Plg4.0000°,Azm61.0000° M_o2.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=118, comp=242, per= 50. Moment Tensor Solution. s82,c159; s37,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.05 $M_{\theta\theta}$1.74±.05; $M_{\phi\phi}$-2.62±.05; $M_{r\theta}$0.63±.11; $M_{\theta\phi}$4.09±.05; $M_{\phi r}$0.19±.10; Best double couple: NP1:ϕ_s14.00000°,δ81.00000°,λ174.00000°. NP2:ϕ_s105.00000°,δ84.00000°,λ9.00000°. Principal axes: T 4.3100,Plg10.0000°,Azm329.0000°; N 0.7600,Plg79.0000°,Azm140.0000° ; P -5.0800,Plg2.0000°,Azm239.0000° M_o4.70000×10^{17}
BGS Error ellipse: s-maj=282.9km s-min=731.6km az=-1.0.
SZGRF Tuva-Buryatia-Mongolia border region.
ISC VIII 16 04 06 42.5–1.0 52.33N–.03 98.34E–.04 9–6 5.0b,4.9s 258 1-148
BJI VIII 16 04 06 40.0 52.31N 98.16E 6 5.4s,5.3b **¶13391855**
ASRS VIII 16 04 06 40.3–5.0 52.32N 98.17E 15 4.8s,5.3b
IDC VIII 16 04 06 40.3–.53 52.23N 98.49E 0 5.0,4.9
ISCJB VIII 16 04 06 40.7–1.1 52.31N–.03 98.29E–.04 9–6 5.0b,4.9s
NEIC VIII 16 04 06 42.0–.23 52.24N 98.29E 10 5.0b,4.9s
MOS VIII 16 04 06 41.3–1.0 52.22N 98.28E 17 5.2b,4.9s
ISC Event type fe.
IDC Error ellipse: s-maj=14.3km s-min=10.8km az=17.0.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=3.7km az=21.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.0km az=186.0.
MOS Event type fe. Error ellipse: s-maj=9.0km s-min=6.7km az=113.0. Felt (IV) at Orlik; (III) at Mondy; (II) at Irkutsk. Moment Tensor Solution.
MOS VIII 16 05 03 06.8–1.4 52.42N 99.28E 16 4.3b ¶12863157

MOS Error ellipse: s-maj=36.5km s-min=22.5km az=24.0.
ISC VIII 16 05 22 40.5–.71 52.1N–.20 97.91E–.06 10 16 1-9
ISCJB VIII 16 05 22 39.3–.67 52.3N–.20 97.85E–.06 10 **¶12863156**
ASRS VIII 16 05 22 47.0–1.2 52.33N 97.93E 15 3.5s
MOS VIII 16 05 22 56.9–1.0 52.37N 99.68E 17 4.4b
ISCJB Error ellipse: s-maj=23.4km s-min=4.8km az=7.0.
MOS Error ellipse: s-maj=16.7km s-min=13.9km az=13.9.
MOS VIII 16 07 38 34.9–2.2 52.44N 98.95E 16 4.3b ¶12863155

MOS Error ellipse: s-maj=29.8km s-min=18.7km az=10.8.
MOS VIII 16 08 35 56.0–2.6 52.29N 98.48E 17 4.2b ¶12863154

MOS Error ellipse: s-maj=65.8km s-min=29.7km az=1.1.
ISC VIII 16 14 29 38.3–1.2 52.22N–.05 98.27E–.04 9–8 3.6b 60 1-82
IDC VIII 16 14 29 36.7–.84 52.09N 98.12E 0 3.7b,3.7 **¶11652952**
MOS VIII 16 14 29 36.9–1.2 52.19N 98.24E 13 4.6b,3.7
NEIC VIII 16 14 29 38.3–5.0 52.18N 98.19E 11–35 3.7b,3.7
ASRS VIII 16 14 29 38.1–2.4 52.22N 98.02E 15 3.8s,3.7
ISCJB VIII 16 14 29 38.5–.76 52.35N–.05 98.26E–.04 24–7 3.6b,3.7
BJI VIII 16 14 29 39.1 52.25N 97.82E 9 4.7L,4.3b
ISC Event type fe.
IDC Error ellipse: s-maj=24.6km s-min=13.7km az=8.0.
MOS Event type fe. Error ellipse: s-maj=12.3km s-min=8.9km az=177.8. Felt (II) at Orlik. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=9.7km az=189.0.
ISCJB Event type fe. Error ellipse: s-maj=8.2km s-min=4.3km az=3.2.
ISC VIII 16 17 58 42.2–1.2 52.22N–.06 98.32E–.04 5–9 3.9b 53 1-53
BJI VIII 16 17 58 40.3 52.68N 97.72E 17 4.0b,3.9s **¶11652953**
IDC VIII 16 17 58 41.0–1.1 51.92N 98.39E 0 3.6b,3.5
ASRS VIII 16 17 58 40.4–3.7 52.45N 98.17E 15 3.6s,3.5
NEIC VIII 16 17 58 42.0–.63 51.95N 98.45E 10 4.3b,3.5
MOS VIII 16 17 58 41.0–2.0 52.09N 98.30E 14 4.5b,3.5
ISCJB VIII 16 17 58 41.9–1.3 52.28N–.06 98.29E–.05 12–9 3.9b,3.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
MOS VIII 21 01 14 11.7–1.7 52.10N 98.39E 10 4.4b ¶12922359

MOS Error ellipse: s-maj=60.1km s-min=27.5km az=171.5.
ISC VIII 26 09 00 27.2–.26 51.45N–.04 98.06E–.03 10 4.0b,3.4s 82 2-81
IDC VIII 26 09 00 24.7–.73 51.41N 98.17E 0 4.1,4.0b **¶11477807**
ISCJB VIII 26 09 00 25.3–.28 51.39N–.04 98.04E–.03 10 4.0b,3.4s
MOS VIII 26 09 00 25.4–1.1 51.44N 98.02E 14 4.8b,3.4s
NEIC VIII 26 09 00 27.0–.47 51.51N 98.13E 10 3.9b,3.4s
BJI VIII 26 09 00 27.7 51.04N 97.93E 10 4.5b,4.3s
ASRS VIII 26 09 00 28.5–1.4 51.35N 97.61E 15 4.1s,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=11.2km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.1km az=178.0.
MOS Error ellipse: s-maj=9.9km s-min=7.6km az=167.9.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=6.6km az=189.0.

ISC VIII 26 09 07 59.2–.43 51.41N–.07 98.14E–.05 10 3.6b 30 2-81
ASRS VIII 26 09 07 54.4–4.3 51.50N 98.15E 15 3.6s ¶11908850
MOS VIII 26 09 07 56.6–2.0 51.33N 98.05E 10 4.3b
ISCJB VIII 26 09 07 57.9–.43 51.42N–.08 98.13E–.05 10 3.6b
IDC VIII 26 09 07 57.1–.91 51.39N 98.26E 0 3.8,3.7b
NEIC VIII 26 09 07 58.4–.60 51.43N 98.25E 10 3.8,3.7b
ISC Event type se.
MOS Error ellipse: s-maj=13.5km s-min=9.6km az=158.7.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=4.2km az=4.9.
IDC Error ellipse: s-maj=27.1km s-min=14.2km az=18.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=9.6km az=200.0.
MOS VIII 26 11 40 46.2–1.5 51.36N 98.02E 15 4.3b
¶12922418
MOS Error ellipse: s-maj=46.8km s-min=19.5km az=150.2.
BYKL VIII 27 04 41 29.8–.55 50.90N 102.24E 6–0
MOS VIII 27 04 41 29.1–1.4 50.91N 102.23E 10 4.3b ¶12922433
BYKL Event type se.
MOS Error ellipse: s-maj=22.9km s-min=13.8km az=82.6.
ISC IX 04 09 13 32.4–.38 51.79N–.07 97.65E–.04 10 3.8b,3.2s 60 2-83
ISCJB IX 04 09 13 30.8–.40 51.67N–.07 97.64E–.04 10 3.8b,3.2s ¶11909450
IDC IX 04 09 13 30.4–.76 51.72N 97.73E 0 3.9b,3.9
MOS IX 04 09 13 31.5–2.5 51.68N 97.57E 15 4.0b,3.9
ASRS IX 04 09 13 34.6–2.4 52.20N 97.47E 15 3.9s,3.9
BJI IX 04 09 13 35.8 51.79N 98.10E 42 4.4b,4.1b
NEIC IX 04 09 13 36.1–.90 51.71N 97.63E 41–10 3.5b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=3.7km az=2.8.
IDC Error ellipse: s-maj=24.4km s-min=11.9km az=4.0.
MOS Error ellipse: s-maj=16.4km s-min=9.4km az=13.9.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=7.9km az=189.0.
ISC IX 08 18 42 40.1–.41 51.92N–.04 99.72E–.03 10 3.4b 95 1-26
ASRS IX 08 18 42 30.5–4.0 52.10N 99.91E 15 3.6s ¶11909830
MOS IX 08 18 42 39.7–1.6 51.98N 99.44E 17 4.4b
BYKL IX 08 18 42 40.3–.82 51.89N 99.57E 4.4b
IDC IX 08 18 42 41.0–1.5 50.95N 98.77E 0 3.6b,3.4
NEIC IX 08 18 42 41.0–.68 51.70N 99.35E 10 3.3b,3.4
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=15.3km s-min=12.4km az=3.9. Felt (III) at Orlik. Moment Tensor Solution.
BYKL Event type se. FELT I=III-IV MSK at Orlik.
IDC Error ellipse: s-maj=80.8km s-min=14.9km az=23.0.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=8.4km az=195.0.
MOS IX 10 12 01 34.6–1.3 52.29N 98.23E 11 4.3b
¶12922568
MOS Error ellipse: s-maj=36.4km s-min=24.2km az=2.6.
ISC IX 11 19 11 56.2–.86 50.80N–.03 92.70E–.03 8–5 4.5b,3.7s 208 2-165
NNC IX 11 19 11 53.0–3.3 50.65N 92.74E 1–17 4.8,4.6b ¶11783520
BJI IX 11 19 11 53.2 50.92N 92.48E 11 4.7L,4.6b
IDC IX 11 19 11 54.1–.49 50.77N 92.84E 0 4.4,4.3
MOS IX 11 19 11 55.6–1.2 50.71N 92.62E 20 4.6b,4.3
NEIC IX 11 19 11 56.3–2.4 50.77N 92.70E 12–16 4.4b,4.3
ISCJB IX 11 19 11 56.0–.89 50.79N–.03 92.64E–.04 19–7 4.5b,3.7s
ASRS IX 11 19 12 00.7–1.2 50.90N 92.38E 15 3.9s,3.7s
SZGRF IX 11 19 12 07.2 50.86N 91.17E 33 4.7b,3.7s
ISC Event type se.
NNC Error ellipse: s-maj=21.9km s-min=15.6km az=63.0.
IDC Error ellipse: s-maj=12.9km s-min=9.5km az=7.0.
MOS Error ellipse: s-maj=8.5km s-min=5.7km az=130.9.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.0km az=191.0.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.8km az=13.6.
SZGRF Tuva-Buryatia-Mongolia border region.
ISC IX 20 22 18 02.5–.92 49.93N–.05 88.28E–.09 10 17 5-12
ISCJB IX 20 22 18 00.5–.94 49.92N–.05 88.25E–.09 10 ¶11514708
IDC IX 20 22 18 00.7–2.2 49.97N 88.18E 0 3.0L,3.0
NNC IX 20 22 18 01.0–1.7 49.91N 88.16E 0 3.3b,2.9
NEIC IX 20 22 18 02.5–.88 50.00N 88.19E 10 3.3b,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.8km az=26.7.
IDC Error ellipse: s-maj=25.4km s-min=14.8km az=112.0.
NNC Error ellipse: s-maj=12.7km s-min=7.9km az=88.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.3km az=167.0.
MOS IX 23 13 23 12.6–2.9 52.42N 98.58E 8 4.2b
¶13395023
MOS Error ellipse: s-maj=33.0km s-min=19.1km az=17.8.
MOS X 10 14 50 05.8–3.4 52.32N 98.35E 33 4.4b
¶13396572
MOS Error ellipse: s-maj=74.8km s-min=28.2km az=3.0.
MOS X 22 09 32 25.9–3.0 51.92N 98.19E 16 4.4b
¶13581613
MOS Error ellipse: s-maj=21.3km s-min=16.0km az=162.1.
ISC X 28 19 26 28.6–.41 51.40N–.06 98.06E–.04 10 45 2-19
IDC X 28 19 26 25.4–2.3 51.47N 98.23E 0 3.2,3.2 ¶12071365
ISCJB X 28 19 26 26.9–.43 51.39N–.06 97.95E–.04 10 3.2,3.2
MOS X 28 19 26 27.4–1.2 51.20N 98.20E 14 4.4b,3.2
NEIC X 28 19 26 29.4–1.0 51.41N 98.18E 25 3.6b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=14.9km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=3.6km az=0.1.
MOS Error ellipse: s-maj=16.5km s-min=10.9km az=160.9.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=10.5km az=188.0.
MOS X 30 12 13 31.2–2.6 51.28N 98.12E 9 4.4b
¶13581628
MOS Error ellipse: s-maj=24.3km s-min=14.5km az=146.9.
ISC XI 03 01 10 31.1–.44 51.32N–.05 98.23E–.04 10 3.8b,3.4s 54 2-84
MOS XI 03 01 10 28.9–1.5 51.46N 98.05E 5 4.2b,3.4s ¶11749936
ISCJB XI 03 01 10 29.5–.47 51.42N–.07 98.10E–.05 10 3.8b,3.4s
IDC XI 03 01 10 29.4–1.3 51.34N 98.14E 0 3.8b,3.6
NEIC XI 03 01 10 34.2–1.0 51.52N 97.72E 10 3.9b,3.6
ISC Event type se.
MOS Error ellipse: s-maj=14.2km s-min=9.9km az=158.3.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.1km az=167.1.
IDC Error ellipse: s-maj=35.8km s-min=16.1km az=18.0.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=12.4km az=176.0.
MOS XI 06 12 48 40.8–2.0 52.29N 98.56E 10 4.2b
¶13832603
MOS Error ellipse: s-maj=34.0km s-min=23.3km az=14.6.
ISC XI 22 01 43 20.0–1.0 49.88N–.03 89.98E–.07 9–6 3.9b 77 2-83
IDC XI 22 01 43 18.2–1.0 49.96N 89.94E 0 3.9,3.8b ¶11751015
NEIC XI 22 01 43 19.6–.66 50.00N 90.07E 10 4.0b,3.8b
MOS XI 22 01 43 19.2–1.3 49.60N 89.87E 9 4.2b,3.8b
BJI XI 22 01 43 22.0 49.90N 90.05E 151 4.7b,4.5b
NNC XI 22 01 43 24.4–1.1 49.88N 89.26E 0 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=11.5km az=24.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.0km az=224.0.
MOS Error ellipse: s-maj=13.4km s-min=10.1km az=121.1.
NNC Error ellipse: s-maj=11.0km s-min=7.1km az=120.0.
BYKL XII 25 06 38 22.7–.37 52.69N 100.95E 17–9
MOS XII 25 06 38 24.8–1.8 52.72N 101.29E 14 4.4b ¶13900293
BYKL Event type se.
MOS Error ellipse: s-maj=18.0km s-min=13.9km az=114.0.

(334) Mongolia.

ISC IX 24 17 51 05.5–.87 45.19N–.06 99.8E–.10 10 3.3b 11 5-75
ISCJB IX 24 17 51 03.2–.89 45.25N–.06 99.8E–.10 10 3.3b ¶11910942
IDC IX 24 17 51 03.7–1.4 45.12N 99.86E 0 3.9L,3.8
ISCJB Error ellipse: s-maj=14.6km s-min=7.1km az=24.1.
IDC Error ellipse: s-maj=30.0km s-min=21.1km az=138.0.
ISC IX 28 18 40 18.3–.24 50.52N–.03 100.46E–.03 10 4.1b 198 1-145
LDG IX 28 18 40 15.2–.10 50.41N 100.30E 10–0 4.5b,2.4s ¶13395397
ISCJB IX 28 18 40 16.0–.25 50.51N–.03 100.51E–.03 10 4.1b,2.4s
BYKL IX 28 18 40 16.2–.66 50.38N 100.24E 4.1b,2.4s
MOS IX 28 18 40 16.7–1.0 50.44N 100.30E 13 4.4b,2.4s
IDC IX 28 18 40 16.7–.54 50.44N 100.41E 0 4.1,4.1
BJI IX 28 18 40 17.0 50.47N 100.34E 9 4.9b,4.6L
NEIC IX 28 18 40 17.9–.28 50.54N 100.54E 10 4.3b,4.6L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=6.8km s-min=3.7km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.4km az=162.4.
BYKL Event type se.
MOS Error ellipse: s-maj=8.4km s-min=6.9km az=106.5.
IDC Error ellipse: s-maj=18.8km s-min=10.6km az=32.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.8km az=202.0.
BYKL X 05 01 45 42.1–.62 48.28N 106.71E
MOS X 05 01 45 40.4–2.4 47.14N 106.12E 33 4.4b ¶13396021
BYKL Event type se.
MOS Error ellipse: s-maj=33.0km s-min=11.0km az=92.8.
ISC X 25 18 01 15.9–.38 43.32N–.03 101.67E–.06 10 3.8b 55 4-73
ISCJB X 25 18 01 13.5–.37 43.33N–.03 101.70E–.05 10 3.8b ¶11473362
IDC X 25 18 01 14.2–.82 43.38N 101.59E 0 3.9,3.8
BJI X 25 18 01 15.1 43.32N 101.49E 9 4.4L,4.0b
NEIC X 25 18 01 18.2–2.3 43.36N 101.54E 26–18 4.4b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.8km az=176.7.
IDC Error ellipse: s-maj=20.9km s-min=15.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.4km az=131.0.
ISC XI 24 14 57 02.4–3.9 45.7N–.10 95.2E–.10 5–25 12 6-78
IDC XI 24 14 57 01.1–2.2 45.92N 95.39E 0 3.3b,3.3 ¶11751141
BJI XI 24 14 57 44.3 46.90N 90.98E 17 3.2L,3.3
NNC XI 24 14 57 51.4–5.5 47.09N 90.07E 0 3.2b,2.9
IDC Error ellipse: s-maj=84.7km s-min=26.2km az=35.0.
NNC Error ellipse: s-maj=46.5km s-min=38.5km az=158.0.
ISC XII 09 22 52 39.7–.44 44.32N–.04 102.07E–.07 10 3.8b 67 5-74
ISCJB XII 09 22 52 37.6–.45 44.33N–.04 102.07E–.08 10 3.8b ¶12076630
IDC XII 09 22 52 37.7–.91 44.29N 102.10E 0 4.1,4.0
MOS XII 09 22 52 38.8–1.3 44.29N 102.01E 23 4.1b,4.0
NEIC XII 09 22 52 39.4–3.3 44.28N 102.05E 11–23 4.1b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=6.0km az=173.6.
IDC Error ellipse: s-maj=23.0km s-min=16.0km az=108.0.
MOS Error ellipse: s-maj=16.3km s-min=8.5km az=89.8.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.3km az=96.0.
ISC XII 17 07 29 51.1–.36 45.17N–.04 93.75E–.04 10 3.8b 83 5-75
ISCJB XII 17 07 29 48.9–.37 45.22N–.04 93.81E–.04 10 3.8b ¶12077883
NNC XII 17 07 29 50.0–4.0 44.98N 93.50E 0 4.3,4.0b
BJI XII 17 07 29 50.0 44.96N 93.53E 13 4.7b,4.4L
IDC XII 17 07 29 52.5–.91 45.74N 93.70E 0 4.0,3.8
NEIC XII 17 07 29 53.8–.61 45.59N 93.63E 10 3.7b,3.8
MOS XII 17 07 29 54.7–1.4 45.65N 93.57E 33 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.2km az=5.3.
NNC Error ellipse: s-maj=44.9km s-min=28.8km az=91.0.
IDC Error ellipse: s-maj=22.8km s-min=13.9km az=11.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.5km az=182.0.
MOS Error ellipse: s-maj=11.4km s-min=9.6km az=30.5.
BJI XII 21 14 53 48.2 43.22N 109.35E 30 4.1b,4.0L
¶12790257

SEISMIC REGION 29.
Western Asia.

(335) Ural Mountains region.

ISC VII 17 17 15 40.0–.87 60.32N–.06 59.9E–.20 10 23 4-19
ISCJB VII 17 17 15 38.0–.86 60.24N–.07 59.9E–.20 10 ¶11811845
CSEM VII 17 17 15 39.6 60.44N 60.03E 10
NEIC VII 17 17 15 39.6–.89 60.44N 60.03E 10
IDC VII 17 17 15 42.5–1.6 60.06N 59.91E 0 3.8,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=8.6km az=152.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=9.6km az=221.0.
IDC Error ellipse: s-maj=88.8km s-min=12.9km az=40.0.

(336) Western Kazakhstan.

ISC VII 18 19 36 41.8–1.9 50.67N–.04 51.86E–.04 31–16 3.8b 153 4-64
IDC VII 18 19 36 38.4–.71 50.71N 51.64E 0 3.8,3.8 ¶13389524
CSEM VII 18 19 36 38.1–.16 50.73N 51.74E 2 4.0b,3.8
ISCJB VII 18 19 36 38.4–1.8 50.73N–.04 51.89E–.04 18–15 3.8b,3.8
NEIC VII 18 19 36 39.0–.35 50.65N 51.79E 10 3.8b,3.8
MOS VII 18 19 36 40.3–1.4 50.72N 51.92E 33 4.0b,3.8
NNC VII 18 19 36 46.2–5.2 50.87N 52.81E 0 4.2b,3.2
NAO VII 18 19 36 56.1 51.78N 50.26E 33 3.7b,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=9.3km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.1km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.9km az=176.6.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.0km az=177.0.
MOS Error ellipse: s-maj=10.1km s-min=7.9km az=166.3.
NNC Error ellipse: s-maj=43.1km s-min=30.4km az=106.0.

(337) Eastern Caucasus.

ISC VII 02 00 19 09.6–.51 42.91N–.03 47.03E–.03 10 57 0-3
CSEM VII 02 00 19 06.2 42.85N 47.09E 4 3.8b ¶12787862
MOS VII 02 00 19 06.2–2.3 42.85N 47.09E 4 3.8b
ISCJB VII 02 00 19 08.9–.50 42.91N–.03 47.00E–.03 10 3.8b
CSEM After OBN.
MOS VII 12 05 09 26.0–1.7 41.91N 46.62E 16 4.0b
CSEM VII 12 05 09 26.0 41.91N 46.62E 16 4.0b ¶12787944
MOS Error ellipse: s-maj=10.5km s-min=6.6km az=117.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC VII 14 03 04 40.3–.24 40.13N–.03 48.22E–.03 74–5 3.7b 131 1-40
MOS VII 14 03 04 34.8–1.0 40.46N 48.01E 15 4.3b ¶11346127
ISCJB VII 14 03 04 38.8–.26 40.14N–.03 48.26E–.04 80–5 3.7b
CSEM VII 14 03 04 39.6–.16 40.18N 48.25E 66 3.8b
TEH VII 14 03 04 39.4 40.00N 48.27E 10 3.8b
IDC VII 14 03 04 41.9–2.9 40.54N 48.11E 61–28 3.8L,3.5b
NEIC VII 14 03 04 41.8–1.3 40.56N 48.08E 61–13 3.6b,3.5b
ISC Event type ke.
MOS Error ellipse: s-maj=19.2km s-min=13.6km az=75.4.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.2km az=39.3.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=40.0.
IDC Error ellipse: s-maj=38.5km s-min=16.5km az=168.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=8.0km az=176.0.
ISC VII 18 05 21 05.9–.64 43.39N–.04 45.69E–.03 5–4 65 1-2
ISCJB VII 18 05 21 05.1–.63 43.38N–.04 45.69E–.03 5–4 ¶12788573
CSEM VII 18 05 21 07.1 43.32N 45.64E 31 4.0b
MOS VII 18 05 21 07.1–1.2 43.32N 45.64E 31 4.0b
ISCJB Error ellipse: s-maj=7.4km s-min=3.3km az=19.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=14.0km s-min=9.9km az=5.2.
ISC VII 18 08 18 26.6–.58 43.30N–.04 45.65E–.03 1–5 65 1-2
ISCJB VII 18 08 18 25.6–.61 43.35N–.04 45.67E–.03 5–4 ¶12788574
CSEM VII 18 08 18 26.1 43.31N 45.65E 24 4.0b
MOS VII 18 08 18 26.7–.74 43.31N 45.65E 24 4.0b
ISCJB Error ellipse: s-maj=7.0km s-min=3.4km az=17.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=15.4km s-min=9.5km az=176.3.
ISC VII 23 03 15 27.9–.51 43.05N–.03 47.73E–.03 10 115 0-14
ISCJB VII 23 03 15 26.6–.57 43.06N–.03 47.79E–.04 10 ¶11360875
MOS VII 23 03 15 28.4–1.1 42.99N 47.68E 11 4.4b
CSEM VII 23 03 15 28.4–.37 43.02N 47.72E 2 4.4b
ISC Event type fe.

ISCJB Event type fe. Error ellipse: s-maj=4.4km s-min=3.2km az=138.4.
MOS Event type fe. Error ellipse: s-maj=8.5km s-min=6.4km az=11.9. Felt (III) at Makhachkala. Moment Tensor Solution.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.2km az=53.0.
MOS VIII 04 18 55 20.8–1.4 42.64N 46.71E 12 3.9b
CSEM VIII 04 18 55 20.8 42.64N 46.71E 12 3.9b ¶12863146
MOS Error ellipse: s-maj=11.4km s-min=7.4km az=39.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS VIII 22 07 36 58.8–1.5 43.59N 47.21E 19 4.1b
CSEM VIII 22 07 36 58.8 43.59N 47.21E 19 4.1b ¶11477709
MOS Error ellipse: s-maj=11.8km s-min=7.7km az=53.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC VIII 23 07 29 30.6–.46 43.22N–.03 47.25E–.02 6–4 4.3b,3.2s 259 0-60
ISCJB VIII 23 07 29 29.7–.22 43.26N–.02 47.26E–.02 14 4.3b,3.2s ¶13392378
IDC VIII 23 07 29 30.7–.79 42.98N 47.21E 15–5 4.1L,4.0b
MOS VIII 23 07 29 30.1–2.1 43.24N 47.45E 12 4.9b,4.0b
CSEM VIII 23 07 29 31.8–.18 43.17N 47.31E 14 4.3b,4.0b
NEIC VIII 23 07 29 32.4–.51 43.38N 47.31E 10 4.7b,4.0b
NNC VIII 23 07 29 44.2–4.5 43.85N 48.54E 0 4.1b,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.1km az=24.7.
IDC Error ellipse: s-maj=16.6km s-min=8.1km az=131.0.
MOS Event type fe. Error ellipse: s-maj=5.1km s-min=4.2km az=93.2. Felt (III) at Bogatyrevka, (II-III) at Makhachkala. Moment Tensor Solution.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.6km az=77.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.1km az=161.0.
NNC Error ellipse: s-maj=49.9km s-min=33.3km az=127.0.
MOS VIII 26 02 56 52.1–1.5 41.89N 48.24E 27 4.5b
CSEM VIII 26 02 56 48.5–.29 42.11N 48.59E 30 4.5b ¶11477791
MOS Error ellipse: s-maj=14.3km s-min=7.0km az=128.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.4km az=54.0.
ISC VIII 27 02 36 07.1–.43 43.22N–.03 45.95E–.03 10–4 78 1-2
MOS VIII 27 02 36 06.9–1.1 43.17N 46.02E 22 3.7b ¶12922434
CSEM VIII 27 02 36 06.9 43.17N 46.02E 22 3.7b
ISCJB VIII 27 02 36 07.3–.50 43.29N–.05 46.03E–.04 22–6 3.7b
CSEM After OBN.
ISC VIII 28 05 35 55.0–.35 42.93N–.03 46.06E–.02 6–4 84 0-2
ISCJB VIII 28 05 35 54.2–.39 42.94N–.03 46.05E–.03 1–5 ¶11477887
CSEM VIII 28 05 35 54.3–.16 42.89N 46.03E 10 4.0b
MOS VIII 28 05 35 54.2–1.3 42.86N 46.11E 14 4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=2.5km az=24.5.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.3km az=13.0.
MOS Error ellipse: s-maj=11.6km s-min=6.7km az=20.6.
ISC VIII 30 00 54 51.8–.69 42.95N–.04 46.07E–.04 10–5 26 0-2
ISCJB VIII 30 00 54 51.2–.66 42.95N–.04 46.03E–.04 3–6 ¶12922466
MOS VIII 30 00 54 52.0–1.4 42.80N 46.08E 28 3.7b
ISCJB Error ellipse: s-maj=6.6km s-min=4.1km az=28.2.
MOS Error ellipse: s-maj=20.5km s-min=10.9km az=18.0.
ISC IX 12 00 38 32.5–.55 42.61N–.03 47.73E–.04 10 54 0-3
MOS IX 12 00 38 30.3–.99 42.70N 47.86E 14 3.8b ¶13394150
ISCJB IX 12 00 38 32.2–.54 42.60N–.03 47.73E–.04 10 3.8b
CSEM IX 12 00 38 32.2–.28 42.60N 47.73E 2 3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=12.1km s-min=11.3km az=66.6.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.9km az=44.7.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.8km az=51.0.
MOS IX 13 08 00 01.1–.87 43.38N 45.98E 11 3.9b
CSEM IX 13 08 00 01.0 43.38N 45.98E 11 3.9b ¶13394252
MOS Error ellipse: s-maj=17.0km s-min=9.0km az=3.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC IX 22 04 34 26.9–.34 42.68N–.03 46.38E–.03 10 70 0-2
ISCJB IX 22 04 34 26.5–.34 42.68N–.02 46.41E–.02 10 ¶13394928
MOS IX 22 04 34 26.0–1.2 42.73N 46.47E 14 4.3b
CSEM IX 22 04 34 26.0 42.73N 46.47E 14 4.3b
ISCJB Error ellipse: s-maj=3.5km s-min=2.6km az=175.2.
MOS Error ellipse: s-maj=11.0km s-min=7.5km az=24.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC IX 28 04 38 56.9–.38 42.68N–.03 46.33E–.03 8–5 76 0-2
CSEM IX 28 04 38 56.5–.20 42.73N 46.36E 5 3.9b ¶11519355
MOS IX 28 04 38 57.1–1.9 42.74N 46.43E 21 3.9b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=2.8km az=17.0.
MOS Error ellipse: s-maj=12.5km s-min=6.7km az=24.3.
ISC IX 28 11 28 34.8–.31 42.71N–.02 46.40E–.02 8–3 3.7b 154 0-44
ISCJB IX 28 11 28 33.8–.31 42.72N–.02 46.39E–.02 7–3 3.7b ¶11519372
IDC IX 28 11 28 33.4–.90 42.74N 46.22E 0 4.0L,3.8
CSEM IX 28 11 28 34.2–.13 42.75N 46.44E 5 3.9b,3.8
MOS IX 28 11 28 34.1–1.1 42.73N 46.45E 14 4.4b,3.8
NEIC IX 28 11 28 35.1–.66 42.83N 46.27E 10 3.8b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=21.2.
IDC Error ellipse: s-maj=26.8km s-min=9.3km az=119.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=23.0.
MOS Error ellipse: s-maj=6.8km s-min=5.0km az=34.6.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.5km az=162.0.
ISC IX 28 19 31 17.9–.41 42.66N–.03 46.33E–.02 2–5 92 0-12
CSEM IX 28 19 31 17.6–.19 42.68N 46.34E 2 4.2b ¶11519387
MOS IX 28 19 31 17.4–1.8 42.73N 46.40E 12 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.9km az=9.0.
MOS Error ellipse: s-maj=8.9km s-min=5.8km az=26.2.
ISC IX 29 00 08 27.3–.37 42.68N–.02 46.37E–.02 5–4 92 0-12
CSEM IX 29 00 08 26.5–.17 42.66N 46.37E 2 4.4b ¶13395418
MOS IX 29 00 08 26.9–2.6 42.69N 46.52E 23 4.4b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.8km az=10.0.
MOS Error ellipse: s-maj=10.4km s-min=6.6km az=35.6.
ISC X 02 20 02 11.4–.29 42.75N–.02 46.33E–.02 6–2 3.9b 288 0-102
IDC X 02 20 02 09.6–.60 42.69N 46.16E 0 4.0,3.9 ¶11330086
ISCJB X 02 20 02 10.2–.29 42.78N–.02 46.34E–.02 7–2 3.9b,3.9
MOS X 02 20 02 10.1–1.1 42.77N 46.35E 7 4.3b,3.9
CSEM X 02 20 02 11.1–.13 42.76N 46.33E 5 4.3b,4.2b
NEIC X 02 20 02 13.0–3.7 42.87N 46.20E 18–25 4.0b,4.2b
NNC X 02 20 02 21.1–4.0 43.13N 47.35E 0 3.8b,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=15.5km s-min=10.5km az=135.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=13.2.
MOS Event type fe. Error ellipse: s-maj=5.3km s-min=4.1km az=33.3. Felt (III-IV) at Botlikh. Moment Tensor Solution.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.6km az=14.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.1km az=173.0.
NNC Error ellipse: s-maj=69.8km s-min=28.5km az=113.0.
ISC X 02 23 42 46.9–.32 42.71N–.02 46.28E–.02 2–3 129 0-3
TIF X 02 23 42 44.6 42.17N 47.32E 10 ¶13395836
MOS X 02 23 42 46.2–1.8 42.71N 46.31E 7 4.1b
CSEM X 02 23 42 46.6–.14 42.73N 46.31E 5 4.1b
ISC Event type ke.
MOS Error ellipse: s-maj=7.5km s-min=5.0km az=27.5.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=14.0.
ISC X 03 22 40 32.5–.29 42.69N–.02 46.34E–.02 10 90 0-2
ISCJB X 03 22 40 31.8–.29 42.71N–.02 46.32E–.02 10 ¶13395921
MOS X 03 22 40 31.6–1.8 42.73N 46.39E 9 3.7b
CSEM X 03 22 40 31.6 42.73N 46.39E 9 3.7b
ISCJB Error ellipse: s-maj=3.2km s-min=1.9km az=12.2.
MOS Error ellipse: s-maj=9.2km s-min=6.2km az=26.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 03 22 43 15.7–.26 42.72N–.02 46.30E–.02 10 118 0-3
ISCJB X 03 22 43 15.1–.26 42.72N–.02 46.31E–.02 10 ¶13395922
MOS X 03 22 43 15.1–2.0 42.72N 46.31E 10 4.2b
CSEM X 03 22 43 15.1 42.72N 46.31E 10 4.2b
ISCJB Error ellipse: s-maj=3.5km s-min=1.7km az=15.5.
MOS Error ellipse: s-maj=8.4km s-min=5.2km az=24.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 05 06 19 18.8–.45 42.66N–.04 46.36E–.03 10 25 0-2
MOS X 05 06 19 16.9–1.9 42.69N 46.37E 10 3.7b ¶13396036
ISCJB X 05 06 19 18.4–.45 42.67N–.04 46.37E–.03 10 3.7b
ISC X 05 06 36 02.0–.24 42.72N–.02 46.36E–.02 10 124 0-23
MOS X 05 06 35 59.8–2.4 42.72N 46.37E 10 3.9b ¶11748083
ISCJB X 05 06 36 01.4–.24 42.74N–.02 46.35E–.02 10 3.9b
CSEM X 05 06 36 01.1–.18 42.73N 46.36E 2 3.9b
ISC Event type ke.
MOS Error ellipse: s-maj=7.7km s-min=5.1km az=23.1.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=14.6.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.9km az=18.0.
ISC X 06 22 16 28.9–.37 42.67N–.02 46.33E–.02 1–5 90 0-3
MOS X 06 22 16 28.3–3.0 42.69N 46.38E 10 3.9b ¶13396262
CSEM X 06 22 16 28.3 42.69N 46.38E 10 3.9b
MOS Error ellipse: s-maj=9.5km s-min=6.3km az=19.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 07 08 28 15.8–.31 42.37N–.02 46.18E–.02 10 120 0-12
CSEM X 07 08 28 14.9–.21 42.33N 46.17E 2 4.3b ¶11748242
ISCJB X 07 08 28 15.4–.31 42.39N–.02 46.18E–.02 10 4.3b
MOS X 07 08 28 15.3–1.2 42.39N 46.21E 7 4.3b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.1km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=174.4.
MOS Error ellipse: s-maj=6.4km s-min=5.7km az=129.4.
ISC X 09 00 38 34.9–.46 42.93N–.04 46.13E–.03 2–5 62 0-2
MOS X 09 00 38 33.9–1.2 42.95N 46.18E 10 3.8b ¶13396442
CSEM X 09 00 38 33.9 42.95N 46.18E 10 3.8b
MOS Error ellipse: s-maj=12.4km s-min=7.7km az=12.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 09 06 10.4–.30 43.42N–.01 46.34E–.01 12–1 5.6s,5.6b 2768 0-160
BGS X 11 09 05 53.8–2.0 42.13N 48.51E 17–0 5.2b,5.6b ¶13396641
IDC X 11 09 06 07.5–.34 43.21N 46.29E 0 5.5s,5.5
ISCJB X 11 09 06 08.5–.30 43.40N–.01 46.32E–.01 9–1 5.6s,5.6b
BJI X 11 09 06 08.8 43.40N 46.30E 16 6.0s,5.9
MOS X 11 09 06 09.0–1.6 43.46N 46.34E 14 5.7b,5.6s
CSEM X 11 09 06 09.8–.05 43.42N 46.31E 10 5.7b,5.6W
PDA X 11 09 06 10.7 43.37N 46.25E 16 5.6b,5.6W
TEH X 11 09 06 10.0 43.29N 46.30E 10 5.6b,5.6W
NEIC X 11 09 06 10.8–.11 43.37N 46.25E 16 5.7W,5.6b
SZGRF X 11 09 06 10.7 43.31N 46.65E 33 5.8b,5.4s
GCMT X 11 09 06 15.9–.10 43.40N 46.19E 13–0 5.8W,5.4s
DJA X 11 09 06 21 42.71N 46.80E 71 5.8W,5.4s
NNC X 11 09 06 23.4–7.8 44.00N 47.05E 64–72 5.6b,5.4s
ISC Event type de.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=7.7km az=147.0.
ISCJB Event type de. Error ellipse: s-maj=1.8km s-min=1.2km az=17.0.
MOS Event type fe. Error ellipse: s-maj=3.9km s-min=2.7km az=35.7. Fault plane solution: P-wave C79, D33 . Felt (VII-VIII) at Kurchaloy, Mayrtup, Bachi-Yurt; (VII) at Alleroy, Dzhugurta, Centora-Yurt, Noybera, Oyskhara, Kadi-Yurt, Mel'chhi, Ilaskhan-Yurt, Geldagana; (VI-VII) at Gudermes; (VI) at Cocin-Yurt, Darbankhi, Braguny, Koshkel'dy, Gerzel'-Aul, Azamat-Yurt, Shelkovskaya, Staroshedrinskaya, Tukhchar, Ishkhoy-Yurt, Gamiyakh, Meskety, Nozhay-Yurt, Gilyany, Regita, Akhkinchu-Borzoy, Marzoy-Mohk, Ca-Vedeno, Agishty, Shali, Chiri-Yurt, Chechen-Aul, Mesker-Yurt, Argun, Kizlyar, Novolakskoye; (V) at Dylym, Grozny, Alkhan-Kala, Petropavlovskaya, Zandak, Benoy, Tolsyoy-Yurt, Novoshedrinskaya, Chervl'enaya, Dyshne-Vedeno, Makhkety, Duba-Yurt, Urus-Martan, Goyty, Achkhoy-Martan, Sernovodsk, Pervomayskaya, Znamenskoye, Naurskaya, Starogladkovskaya, Kargalinskaya, Hasavyurt; (IV-V) at Uchkeken, Vodovod, Kumukh; (IV) at Terek, Vedi; (III-IV) at Georgievsk, Gofitskoye, Mozdok, Nalchyk, Svetlograd, Vladikavkaz, Pyatigorsk, Ardon, Makhachkala, Tbilisi; (III) at Sunzha, Lars, Tyrnyauz, Terskol', El'brusskoye, Zakukokoazhe, Fiagdon, Mikhaylovskoye; (II-III) at Derbent, Stavropol', Mekhel'ta, Armavir. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s54.00000°,δ51.00000°,λ53.00000°. NP2: ϕ_s284.00000°,δ51.00000°,λ127.00000°. Principal axes: T Plg62.0000°,Azm259.0000° ; N Plg28.0000°,Azm79.0000°; P Plg0.0000°,Azm349.0000°
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=19.0.
NEIC Event type de. Error ellipse: s-maj=3.1km s-min=2.1km az=180.0. Thirteen people killed, more than 100 injured and 1,027 buildings damaged in Chechnya. Felt in Dagestan, Ingushetiya, Severnaya Osetiya-Alaniya and Stavropol'skiy Kray. Also felt at Krasnodar. Felt [IV] at Tbilisi, Georgia. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s270.00000°,δ60.00000°,λ90.00000°. NP2: ϕ_s90.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000°,Azm180.0000° ; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm360.0000° Moment Tensor Solution. s107 Moment tensor: Scale 10^{17}Nm; M_{rr}3.66 $M_{\theta\theta}$-3.41 $M_{\phi\phi}$-0.25 $M_{r\theta}$-0.96 $M_{\theta\phi}$0.22 $M_{\phi r}$0.35 Best double couple: NP1:ϕ_s278.00000°,δ53.00000°,λ95.00000°. NP2:ϕ_s90.00000° ,δ37.00000°,λ84.00000°. Principal axes: T 3.8100,Plg81.0000°,Azm211.0000° ; N -0.2500,Plg3.0000°,Azm95.0000°; P -3.5600,Plg7.0000°,Azm4.0000° $M_0$3.70000×10^{17}
SZGRF Eastern Caucasus.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=102, comp=227, per= 50. Moment Tensor Solution. s100,c204; s55,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}5.89±.07 $M_{\theta\theta}$-6.72±.07; $M_{\phi\phi}$0.82±.06; $M_{r\theta}$-0.95±.15; $M_{\theta\phi}$0.21±.05; $M_{\phi r}$1.40±.16; Best double couple: NP1:ϕ_s78.00000°,δ42.00000°,λ69.00000°. NP2:ϕ_s285.00000°,δ51.00000°,λ108.00000°. Principal axes: T 6.3100,Plg75.0000°,Azm255.0000°; N 0.4900,Plg14.0000°,Azm94.0000° ; P -6.8100,Plg5.0000°,Azm2.0000° $M_0$6.60000×10^{17}
NNC Error ellipse: s-maj=61.9km s-min=38.3km az=133.0.
MOS X 11 09 11 48.4–.93 43.20N 46.10E 16 4.4b
CSEM X 11 09 11 48.0 43.20N 46.10E 16 4.4b ¶13396643
MOS Error ellipse: s-maj=19.6km s-min=8.4km az=9.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 09 15 00.4–1.4 43.31N 46.30E 17 4.2b
CSEM X 11 09 15 00.4 43.31N 46.30E 17 4.2b ¶13396644
MOS Error ellipse: s-maj=14.8km s-min=6.9km az=11.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 09 15 37.7–.68 43.21N 46.29E 18 4.2b
CSEM X 11 09 15 37.1 43.21N 46.29E 18 4.2b ¶13396645
MOS Error ellipse: s-maj=20.0km s-min=8.2km az=7.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 09 19 21.0–1.5 43.35N 46.21E 20 4.1b
CSEM X 11 09 19 21.0 43.35N 46.21E 20 4.1b ¶13396646
MOS Error ellipse: s-maj=15.4km s-min=7.2km az=5.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 09 20 25.9–1.6 43.31N 46.27E 11 4.4b
CSEM X 11 09 20 25.9 43.31N 46.27E 11 4.4b ¶13396647
MOS Error ellipse: s-maj=13.2km s-min=6.5km az=13.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 09 22 02.5–.32 43.39N–.01 46.24E–.01 15–2 5.2b,5.0s 1677 0-143
IDC X 11 09 21 58.4–.35 43.21N 46.23E 0 5.0,5.0 ¶13396649
MOS X 11 09 22 01.0–1.1 43.44N 46.23E 18 5.4b,4.9s
NEIC X 11 09 22 01.2–.14 43.34N 46.19E 10 5.2b,4.9s
ISCJB X 11 09 22 01.4–.38 43.38N–.01 46.25E–.01 19–2 5.2b,5.0s
TEH X 11 09 22 02.0 43.30N 46.19E 10 5.2b,5.0s
CSEM X 11 09 22 02.9–.06 43.40N 46.23E 20 5.3W,5.3b
GCMT X 11 09 22 04.6–.20 43.39N 45.98E 19–0 5.3W,5.3b
DJA X 11 09 22 10 43.42N 46.07E 88 5.3b,5.3b
SZGRF X 11 09 22 11.2 43.81N 45.55E 27 5.2b,5.3b
NNC X 11 09 22 16.6–5.7 43.61N 47.40E 63–51 5.0b,5.3b
ISC Event type ke.
IDC Error ellipse: s-maj=9.2km s-min=7.6km az=142.0.
MOS Error ellipse: s-maj=4.3km s-min=2.8km az=30.7.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.4km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=18.7.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=15.0.
GCMT Event type se. Data Used: II IC CN IU G. Moment Tensor Solution. s24,c32; s91,c168; Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.06 $M_{\theta\theta}$-1.14±.04; $M_{\phi\phi}$0.04±.03; $M_{r\theta}$-0.10±.05; $M_{\theta\phi}$0.11±.02; $M_{\phi r}$-0.13±.06; Best double couple: NP1:ϕ_s103.00000°,δ43.00000°,λ101.00000°. NP2:ϕ_s268.00000°,δ48.00000°,λ80.00000°. Principal axes: T 1.1200,Plg82.0000° ,Azm112.0000°; N 0.0300,Plg7.0000°,Azm275.0000°; P -1.1500,Plg2.0000°,Azm5.0000° $M_0$1.10000×10^{17}

SZGRF Eastern Caucasus.
NNC Error ellipse: s-maj=46.5km s-min=28.6km az=130.0.
ISC X 11 09 27 37.4–.50 43.32N–.03 46.24E–.03 3–3 4.3b 122 0-49
MOS X 11 09 27 37.2–1.0 43.30N 46.23E 13 4.8b ¶12066573
IDC X 11 09 27 37.5–2.0 43.34N 45.51E 0 4.4,4.3b
CSEM X 11 09 27 37.2 43.30N 46.23E 13 4.8b,4.3b
ISCJB X 11 09 27 38.1–.56 43.36N–.03 46.29E–.03 17–4 4.3b,4.3b
CSEM After OBN.
MOS X 11 09 32 18.2–1.1 43.20N 46.25E 15 4.0b
CSEM X 11 09 32 18.2 43.20N 46.25E 15 4.0b ¶13396651
MOS Error ellipse: s-maj=15.3km s-min=7.5km az=14.6.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 09 32 39.2–2.3 43.62N 46.75E 20 4.0b
CSEM X 11 09 32 39.2 43.62N 46.75E 20 4.0b ¶13396652
MOS Error ellipse: s-maj=16.1km s-min=9.1km az=164.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 09 35 13.6–.46 43.43N–.02 46.27E–.02 4–3 4.0b 176 0-49
ISCJB X 11 09 35 12.3–.45 43.47N–.02 46.27E–.02 4–3 4.0b ¶13396653
IDC X 11 09 35 12.9–1.0 43.38N 45.91E 0 4.0,3.9b
CSEM X 11 09 35 13.4–.17 43.41N 46.25E 5 4.6b,3.9b
MOS X 11 09 35 14.4–1.7 43.44N 46.24E 23 4.6b,3.9b
NEIC X 11 09 35 14.6–.76 43.55N 46.16E 10 4.1b,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=18.2.
IDC Error ellipse: s-maj=25.1km s-min=12.7km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=17.0.
MOS Error ellipse: s-maj=6.7km s-min=5.3km az=34.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=10.3km az=157.0.
ISC X 11 09 39 26.2–.91 43.37N–.06 46.35E–.05 10–4 64 0-3
ISCJB X 11 09 39 27.6–.96 43.32N–.08 46.36E–.06 22–6 ¶13396654
MOS X 11 09 39 27.6–2.0 43.25N 46.29E 21 3.9b
CSEM X 11 09 39 27.6 43.25N 46.29E 21 3.9b
ISCJB Error ellipse: s-maj=13.6km s-min=5.5km az=21.8.
MOS Error ellipse: s-maj=18.2km s-min=7.1km az=9.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 09 44 22.1–.42 43.36N–.02 46.37E–.02 6–3 3.9b 216 0-60
IDC X 11 09 44 19.0–.80 43.11N 46.21E 0 4.0,3.9b ¶11748539
ISCJB X 11 09 44 20.3–.43 43.40N–.02 46.41E–.02 5–3 3.9b,3.9b
CSEM X 11 09 44 21.7–.14 43.35N 46.37E 10 4.6b,3.9b
NEIC X 11 09 44 21.2–.67 43.34N 46.14E 10 3.9b,3.9b
MOS X 11 09 44 21.6–1.5 43.45N 46.40E 13 4.6b,3.9b
NNC X 11 09 44 34.4–5.5 44.88N 46.52E 0 4.0b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=13.1km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=19.8.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=13.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.5km az=193.0.
MOS Error ellipse: s-maj=6.0km s-min=5.5km az=30.7.
NNC Error ellipse: s-maj=240.2km s-min=38.0km az=144.0.
ISC X 11 09 46 03.8–.67 43.35N–.04 46.27E–.04 5–3 77 0-3
ISCJB X 11 09 46 02.7–.65 43.36N–.04 46.27E–.04 3–4 ¶13396656
MOS X 11 09 46 03.8–.99 43.29N 46.25E 11 4.2b
CSEM X 11 09 46 03.1 43.29N 46.25E 11 4.2b
ISCJB Error ellipse: s-maj=7.8km s-min=4.0km az=31.5.
MOS Error ellipse: s-maj=12.4km s-min=6.6km az=8.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 09 50 53.1–.62 43.28N–.06 46.24E–.04 17–4 68 0-3
ISCJB X 11 09 50 52.4–.65 43.31N–.06 46.21E–.04 13–4 ¶13396657
MOS X 11 09 50 52.2–1.3 43.33N 46.31E 14 4.0b
CSEM X 11 09 50 52.2 43.33N 46.31E 14 4.0b
ISCJB Error ellipse: s-maj=10.6km s-min=3.2km az=19.2.
MOS Error ellipse: s-maj=15.3km s-min=7.4km az=6.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 09 52 25.7–1.4 43.15N 46.17E 11 3.9b
CSEM X 11 09 52 25.7 43.15N 46.17E 11 3.9b ¶13396658
MOS Error ellipse: s-maj=19.2km s-min=8.1km az=12.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 09 53 20.6–1.6 43.40N 46.34E 17 3.9b
CSEM X 11 09 53 20.6 43.40N 46.34E 17 3.9b ¶13396659
MOS Error ellipse: s-maj=14.4km s-min=7.8km az=1.6.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 09 58 08.8–2.9 43.08N 46.31E 13 4.0b
CSEM X 11 09 58 08.8 43.08N 46.31E 13 4.0b ¶13396660
MOS Error ellipse: s-maj=18.8km s-min=7.2km az=20.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 09 58 33.5–.61 43.28N–.05 46.21E–.04 3–4 69 0-3
ISCJB X 11 09 58 33.6–.71 43.33N–.05 46.31E–.05 19–6 ¶13396661
CSEM X 11 09 58 33.1 43.17N 46.19E 16 4.1b
MOS X 11 09 58 33.9–.86 43.17N 46.19E 16 4.1b
ISCJB Error ellipse: s-maj=9.0km s-min=4.4km az=30.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=19.2km s-min=7.6km az=11.2.
ISC X 11 09 59 26.2–.48 43.37N–.03 46.20E–.03 15–3 128 0-21
CSEM X 11 09 59 24.8–.26 43.33N 46.22E 5 4.4b ¶11748541
ISCJB X 11 09 59 25.3–.49 43.40N–.03 46.20E–.03 12–3 4.4b
MOS X 11 09 59 26.2–3.4 43.31N 46.14E 14 4.4b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=3.8km az=15.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.6km az=19.8.
MOS Error ellipse: s-maj=8.6km s-min=5.6km az=22.4.
ISC X 11 10 07 31.1–.77 43.37N–.05 46.41E–.04 10–4 75 0-3
ISCJB X 11 10 07 30.6–.72 43.36N–.05 46.38E–.04 5–4 ¶13396663
MOS X 11 10 07 32.3–1.7 43.19N 46.31E 20 4.1b
CSEM X 11 10 07 32.3 43.19N 46.31E 20 4.1b
ISCJB Error ellipse: s-maj=8.9km s-min=3.4km az=28.4.
MOS Error ellipse: s-maj=13.4km s-min=7.2km az=16.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 10 10 13.1–.97 43.25N 46.33E 12 4.1b
CSEM X 11 10 10 13.0 43.25N 46.33E 12 4.1b ¶13396664
MOS Error ellipse: s-maj=20.7km s-min=8.9km az=4.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 10 10 32.5–1.4 43.18N–.04 46.43E–.08 1–5 58 1-3
CSEM X 11 10 10 40.1 43.12N 45.75E 15 4.2b ¶13396665
MOS X 11 10 10 40.9–.23 43.12N 45.75E 15 4.2b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=16.7km s-min=9.2km az=5.8.
ISC X 11 10 11 55.7–.72 43.35N–.05 46.40E–.04 2–4 77 0-3
ISCJB X 11 10 11 56.8–.70 43.33N–.05 46.44E–.05 15–6 ¶13396666
MOS X 11 10 11 56.4–1.9 43.36N 46.38E 19 4.2b
CSEM X 11 10 11 56.4 43.36N 46.38E 19 4.2b
ISCJB Error ellipse: s-maj=9.2km s-min=4.1km az=27.6.
MOS Error ellipse: s-maj=10.3km s-min=7.1km az=16.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 10 14 39.0–.78 43.30N–.05 46.21E–.04 7–5 63 0-3
ISCJB X 11 10 14 39.8–.82 43.30N–.05 46.26E–.05 17–7 ¶13396667
MOS X 11 10 14 44.7–1.9 43.30N 45.69E 16 4.1b
CSEM X 11 10 14 44.7 43.30N 45.69E 16 4.1b
ISCJB Error ellipse: s-maj=8.5km s-min=5.7km az=28.6.
MOS Error ellipse: s-maj=0.1km s-min=0.0km az=70.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 10 26 56.4–1.5 43.21N 46.21E 21 3.9b
CSEM X 11 10 26 56.4 43.21N 46.21E 21 3.9b ¶13396668
MOS Error ellipse: s-maj=25.2km s-min=9.1km az=6.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 10 27 36.6–.62 43.21N 45.95E 10 4.2b
CSEM X 11 10 27 36.1 43.21N 45.95E 10 4.2b ¶13396669
MOS Error ellipse: s-maj=22.5km s-min=8.6km az=3.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 10 28 29.9–.39 43.34N–.02 46.28E–.02 6–2 3.9b 224 0-60
IDC X 11 10 28 28.2–.71 43.23N 46.18E 0 4.0,3.9b ¶13396671
ISCJB X 11 10 28 28.1–.40 43.39N–.02 46.31E–.02 4–3 3.9b,3.9b
MOS X 11 10 28 29.6–1.5 43.40N 46.27E 16 4.5b,3.9b
NEIC X 11 10 28 29.6–.63 43.39N 46.13E 10 4.0b,3.9b
CSEM X 11 10 28 30.0–.15 43.33N 46.25E 10 4.1b,3.9b
NNC X 11 10 28 43.8–2.4 43.20N 48.45E 0 3.9b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=14.5km s-min=12.1km az=136.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=18.2.
MOS Error ellipse: s-maj=6.3km s-min=5.3km az=41.5.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.6km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=15.0.
NNC Error ellipse: s-maj=78.0km s-min=16.5km az=139.0.
ISC X 11 10 32 52.0–.46 43.32N–.03 46.22E–.02 1–3 111 0-22
ISCJB X 11 10 32 50.5–.47 43.37N–.03 46.24E–.02 2–3 ¶11748545
CSEM X 11 10 32 52.1–.26 43.28N 46.18E 2 4.4b
MOS X 11 10 32 53.0–1.1 43.24N 46.13E 12 4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.6km az=18.6.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=3.3km az=17.0.
MOS Error ellipse: s-maj=10.6km s-min=6.2km az=22.5.
ISC X 11 10 42 11.4–.66 43.33N–.05 46.30E–.04 6–4 75 0-3
MOS X 11 10 42 11.1–2.0 43.18N 46.25E 18 4.1b ¶13396675
CSEM X 11 10 42 11.1 43.18N 46.25E 18 4.1b
MOS Error ellipse: s-maj=13.6km s-min=7.0km az=18.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 10 43 21.1–.41 43.38N–.02 46.32E–.02 7–3 3.8b 163 0-51
ISCJB X 11 10 43 19.5–.43 43.43N–.02 46.35E–.02 4–3 3.8b ¶11748547
CSEM X 11 10 43 20.9–.15 43.34N 46.28E 10 4.6b
IDC X 11 10 43 20.2–.94 43.35N 46.24E 0 4.0,3.9b
MOS X 11 10 43 21.4–1.3 43.41N 46.29E 19 4.6b,3.9b
NEIC X 11 10 43 22.5–.65 43.52N 46.32E 10 3.9b,3.9b
NNC X 11 10 43 32.8–3.3 43.33N 48.12E 0 3.8b,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=7.1.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=7.0.
IDC Error ellipse: s-maj=20.8km s-min=12.5km az=126.0.
MOS Error ellipse: s-maj=6.4km s-min=5.7km az=13.7.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=10.0km az=129.0.
NNC Error ellipse: s-maj=117.5km s-min=24.9km az=139.0.
ISC X 11 10 51 03.0–.44 43.41N–.03 46.31E–.02 10–3 3.9b 143 0-49
ISCJB X 11 10 51 01.8–.44 43.43N–.03 46.31E–.02 9–3 3.9b ¶11748549
IDC X 11 10 51 01.3–.84 43.39N 46.01E 0 4.1,4.0b
CSEM X 11 10 51 02.8–.17 43.40N 46.28E 10 4.4b,4.0b
MOS X 11 10 51 03.2–1.4 43.40N 46.26E 17 4.4b,4.0b
NEIC X 11 10 51 03.7–.53 43.50N 46.14E 10 3.8b,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=10.4.
IDC Error ellipse: s-maj=19.8km s-min=12.1km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=8.0.
MOS Error ellipse: s-maj=6.9km s-min=5.7km az=29.1.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.8km az=177.0.
ISC X 11 10 56 20.7–.73 43.30N–.06 46.27E–.04 12–4 71 0-3
ISCJB X 11 10 56 22.4–.74 43.24N–.07 46.28E–.04 19–6 ¶13396676
MOS X 11 10 56 23.0–1.1 43.17N 46.10E 20 4.1b
CSEM X 11 10 56 23.0 43.17N 46.10E 20 4.1b
ISCJB Error ellipse: s-maj=12.5km s-min=3.4km az=21.0.
MOS Error ellipse: s-maj=14.9km s-min=7.0km az=19.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 11 00 53.5–1.2 43.34N 46.37E 16 3.9b
CSEM X 11 11 00 53.5 43.34N 46.37E 16 3.9b ¶13396678
MOS Error ellipse: s-maj=11.7km s-min=7.3km az=13.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 11 02 00.6–.61 43.39N–.04 46.39E–.04 8–3 130 0-3
MOS X 11 11 02 03.0–1.7 43.19N 46.30E 26 4.4b ¶13396679
CSEM X 11 11 02 03.0 43.19N 46.30E 26 4.4b
MOS Error ellipse: s-maj=10.7km s-min=5.5km az=28.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 11 03 06.5–.40 43.34N–.02 46.36E–.02 2–3 3.7b 194 0-49
ISCJB X 11 11 03 04.7–.41 43.39N–.02 46.41E–.02 2–3 3.7b ¶11748552
IDC X 11 11 03 04.4–.81 43.26N 46.14E 0 4.3L,4.0
MOS X 11 11 03 07.2–1.2 43.32N 46.35E 21 4.6b,4.0
CSEM X 11 11 03 07.2–.15 43.28N 46.31E 15 4.6b,4.0
NEIC X 11 11 03 07.2–.63 43.45N 46.17E 10 3.9b,4.0
NNC X 11 11 03 20.4–4.2 43.99N 47.55E 0 4.1b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=26.0.
IDC Error ellipse: s-maj=15.8km s-min=11.5km az=119.0.
MOS Error ellipse: s-maj=5.9km s-min=5.3km az=127.4.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=25.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.0km az=162.0.
NNC Error ellipse: s-maj=52.4km s-min=29.0km az=135.0.
MOS X 11 11 07 06.7–1.4 43.14N 46.38E 18 3.9b
CSEM X 11 11 07 06.7 43.14N 46.38E 18 3.9b ¶13396680
MOS Error ellipse: s-maj=19.9km s-min=7.7km az=12.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 11 09 51.5–.37 43.38N–.02 46.27E–.02 5–2 3.7b 176 0-28
ISCJB X 11 11 09 49.7–.39 43.45N–.02 46.29E–.02 2–3 3.7b ¶11748553
IDC X 11 11 09 50.5–.90 43.37N 45.98E 0 3.9L,3.8b
MOS X 11 11 09 51.5–1.2 43.40N 46.21E 15 4.7b,3.8b
CSEM X 11 11 09 51.1–.15 43.35N 46.21E 5 4.7b,3.8b
NEIC X 11 11 09 52.5–.68 43.48N 46.11E 10 3.8b,3.8b
NNC X 11 11 10 05.1–8.5 44.58N 46.89E 0 3.8b,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=24.0.
IDC Error ellipse: s-maj=22.8km s-min=12.0km az=103.0.
MOS Error ellipse: s-maj=6.5km s-min=5.0km az=37.1.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=22.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.4km az=162.0.
NNC Error ellipse: s-maj=159.1km s-min=64.5km az=143.0.
MOS X 11 11 12 32.6–.91 43.33N 45.71E 11 3.9b
CSEM X 11 11 12 32.1 43.33N 45.71E 11 3.9b ¶13396681
MOS Error ellipse: s-maj=0.1km s-min=0.0km az=65.6.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 11 17 48.2–2.1 43.27N 46.18E 14 3.9b
CSEM X 11 11 17 48.2 43.27N 46.18E 14 3.9b ¶13396682
MOS Error ellipse: s-maj=13.9km s-min=6.7km az=12.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 11 20 45.7–.70 43.25N–.06 46.30E–.04 8–6 64 0-3
MOS X 11 11 20 45.2–.98 43.15N 46.32E 9 4.2b ¶11748555
CSEM X 11 11 20 45.0 43.15N 46.32E 9 4.2b
MOS Error ellipse: s-maj=19.2km s-min=7.9km az=12.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 11 21 29.6–.35 43.32N–.02 46.28E–.02 6–2 3.7b 225 0-49
ISCJB X 11 11 21 27.9–.37 43.38N–.02 46.31E–.02 4–2 3.7b ¶13396683
IDC X 11 11 21 27.3–.79 43.26N 46.01E 0 3.9,3.9
MOS X 11 11 21 29.0–1.2 43.36N 46.30E 14 4.6b,3.9
CSEM X 11 11 21 29.4–.14 43.31N 46.24E 5 4.6b,3.9
NEIC X 11 11 21 30.1–.58 43.43N 46.15E 10 3.7b,3.9
NNC X 11 11 21 44.1–3.6 43.60N 48.03E 0 3.7b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=21.0.
IDC Error ellipse: s-maj=18.2km s-min=11.2km az=116.0.
MOS Error ellipse: s-maj=6.4km s-min=4.9km az=39.1.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=17.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.2km az=174.0.
NNC Error ellipse: s-maj=121.0km s-min=25.2km az=140.0.
MOS X 11 11 36 09.8–1.2 43.26N 46.29E 19 3.8b
CSEM X 11 11 36 09.8 43.26N 46.29E 19 3.8b ¶13396685
MOS Error ellipse: s-maj=19.3km s-min=8.7km az=3.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 11 37 24.4–1.6 43.45N 46.38E 16 3.8b
CSEM X 11 11 37 24.4 43.45N 46.38E 16 3.8b ¶13396686

MOS Error ellipse: s-maj=14.1km s-min=8.6km az=175.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 11 43 28.2–2.8 43.22N 46.11E 17 3.9b
CSEM X 11 11 43 28.2 43.22N 46.11E 17 3.9b ¶13396688
MOS Error ellipse: s-maj=15.7km s-min=7.1km az=15.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 11 45 07.7–.54 43.25N–.06 46.18E–.04 6–5 74 0-3
ISCJB X 11 11 45 08.5–.64 43.26N–.07 46.23E–.04 20–6 ¶13396689
MOS X 11 11 45 08.3–1.5 43.19N 46.18E 21 4.1b
CSEM X 11 11 45 08.3 43.19N 46.18E 21 4.1b
ISCJB Error ellipse: s-maj=11.8km s-min=3.2km az=21.1.
MOS Error ellipse: s-maj=13.1km s-min=6.6km az=18.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 11 46 44.8–.92 43.18N 46.46E 17 3.9b
CSEM X 11 11 46 44.1 43.18N 46.46E 17 3.9b ¶13396690
MOS Error ellipse: s-maj=18.1km s-min=8.6km az=14.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 11 47 36.0–.80 43.22N 46.35E 18 4.1b
CSEM X 11 11 47 36.0 43.22N 46.35E 18 4.1b ¶13396691
MOS Error ellipse: s-maj=17.0km s-min=8.3km az=11.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 11 56 39.2–1.3 43.21N 46.39E 18 4.1b
CSEM X 11 11 56 39.2 43.21N 46.39E 18 4.1b ¶13396692
MOS Error ellipse: s-maj=13.2km s-min=7.1km az=18.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 12 01 25.0–.38 43.40N–.02 46.26E–.02 4–2 3.8b 176 0-49
ISCJB X 11 12 01 23.5–.39 43.44N–.02 46.28E–.02 4–2 3.8b ¶11748559
IDC X 11 12 01 23.9–.84 43.27N 45.94E 0 3.9b,3.9
CSEM X 11 12 01 25.0–.15 43.37N 46.22E 5 4.6b,3.9
MOS X 11 12 01 25.7–1.2 43.40N 46.22E 20 4.6b,3.9
NEIC X 11 12 01 26.1–.84 43.43N 46.13E 10 3.8b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=23.8.
IDC Error ellipse: s-maj=21.8km s-min=11.2km az=115.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.6km az=23.0.
MOS Error ellipse: s-maj=6.5km s-min=5.3km az=38.5.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=11.2km az=157.0.
ISC X 11 12 15 11.5–.84 43.30N–.07 46.26E–.05 8–6 49 0-3
ISCJB X 11 12 15 12.5–.96 43.27N–.08 46.31E–.06 23–8 ¶11748561
MOS X 11 12 15 12.0–2.0 43.23N 46.28E 24 4.0b
CSEM X 11 12 15 12.0 43.23N 46.28E 24 4.0b
ISCJB Error ellipse: s-maj=14.9km s-min=5.0km az=21.7.
MOS Error ellipse: s-maj=20.0km s-min=8.6km az=7.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 12 15 49.8–.43 43.24N–.04 46.22E–.03 16–3 95 0-11
CSEM X 11 12 15 48.6–.19 43.26N 46.23E 12 4.1b ¶13396694
ISCJB X 11 12 15 49.1–.47 43.22N–.04 46.21E–.03 12–3 4.1b
MOS X 11 12 15 49.4–2.0 43.20N 46.17E 15 4.1b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=2.4km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=2.4km az=20.3.
MOS Error ellipse: s-maj=13.2km s-min=5.7km az=21.2.
MOS X 11 12 24 45.4–1.2 43.23N 46.26E 19 3.9b
CSEM X 11 12 24 45.4 43.23N 46.26E 19 3.9b ¶13396697
MOS Error ellipse: s-maj=13.0km s-min=7.1km az=18.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 12 25 29.0–.64 43.25N–.05 46.23E–.04 6–6 76 0-3
CSEM X 11 12 25 29.9 43.22N 46.25E 21 4.2b ¶13396699
MOS X 11 12 25 29.9–1.2 43.22N 46.25E 21 4.2b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=12.5km s-min=7.2km az=22.9.
ISC X 11 12 28 21.2–.33 43.37N–.02 46.30E–.02 8–2 4.6b,4.6s 656 0-87
BJI X 11 12 28 17.2 43.64N 45.85E 10 5.3b,4.9s ¶13396701
IDC X 11 12 28 19.1–.47 43.24N 46.15E 0 4.4,4.4
MOS X 11 12 28 20.7–1.1 43.38N 46.31E 17 4.9b,4.4
NEIC X 11 12 28 20.9–.26 43.28N 46.25E 10 4.6b,4.4
ISCJB X 11 12 28 21.1–.39 43.42N–.02 46.35E–.02 18–3 4.6b,4.6s
CSEM X 11 12 28 21.0–.09 43.33N 46.28E 10 4.6b,4.6s
SZGRF X 11 12 28 23.9 43.49N 45.84E 21 4.7b,4.6s
NNC X 11 12 28 30.2–2.1 43.56N 47.66E 0 4.7b,4.6s
ISC Event type ke.
IDC Error ellipse: s-maj=11.6km s-min=8.1km az=133.0.
MOS Error ellipse: s-maj=4.3km s-min=3.2km az=37.9.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.9km az=178.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=19.6.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=28.0.
SZGRF Eastern Caucasus.
NNC Error ellipse: s-maj=39.9km s-min=13.4km az=127.0.
ISC X 11 12 35 34.6–.48 43.19N–.06 46.18E–.03 10–5 68 0-3
ISCJB X 11 12 35 33.6–.50 43.20N–.05 46.17E–.03 6–5 ¶13396702
MOS X 11 12 35 34.0–1.1 43.15N 46.21E 15 3.9b
CSEM X 11 12 35 34.0 43.15N 46.21E 15 3.9b
ISCJB Error ellipse: s-maj=9.4km s-min=2.8km az=18.8.
MOS Error ellipse: s-maj=16.6km s-min=6.7km az=16.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 12 42 00.4–.54 43.16N–.05 46.26E–.04 16–4 80 0-5
MOS X 11 12 41 58.9–1.3 43.27N 46.36E 17 4.0b ¶13396703
ISCJB X 11 12 41 59.8–.52 43.13N–.05 46.22E–.04 11–4 4.0b
CSEM X 11 12 41 59.4–.33 43.20N 46.28E 15 4.0b
ISC Event type ke.
MOS Error ellipse: s-maj=11.6km s-min=6.8km az=17.8.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=2.8km az=23.1.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=3.1km az=27.0.
ISC X 11 12 45 31.0–.52 43.30N–.04 46.26E–.03 6–4 94 0-11
CSEM X 11 12 45 30.8–.18 43.27N 46.24E 10 4.2b ¶11748562
MOS X 11 12 45 30.4–1.6 43.33N 46.30E 14 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=2.4km az=23.0.
MOS Error ellipse: s-maj=8.8km s-min=5.7km az=29.0.
MOS X 11 12 51 51.3–1.1 43.24N 46.21E 12 4.0b
CSEM X 11 12 51 51.3 43.24N 46.21E 12 4.0b ¶13396705
MOS Error ellipse: s-maj=11.7km s-min=6.6km az=20.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 12 58 43.9–.85 43.30N–.06 46.35E–.05 7–5 66 0-3
MOS X 11 12 58 44.0–1.4 43.24N 46.36E 17 3.9b ¶13396706
CSEM X 11 12 58 44.0 43.24N 46.36E 17 3.9b
MOS Error ellipse: s-maj=13.4km s-min=7.1km az=15.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 12 59 31.3–.78 43.26N–.07 46.23E–.05 17–6 52 0-3
MOS X 11 12 59 31.9–.61 43.17N 46.22E 20 3.9b ¶13396708
CSEM X 11 12 59 31.1 43.17N 46.22E 20 3.9b
ISCJB X 11 12 59 32.7–.85 43.20N–.08 46.3E–.10 26–19 3.9b
CSEM After OBN.
MOS X 11 13 03 22.6–1.6 43.16N 46.35E 22 3.8b
CSEM X 11 13 03 22.6 43.16N 46.35E 22 3.8b ¶13396709
MOS Error ellipse: s-maj=30.9km s-min=9.0km az=8.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 13 05 05.5–.85 43.13N 46.21E 18 4.1b
CSEM X 11 13 05 05.1 43.13N 46.21E 18 4.1b ¶13396710
MOS Error ellipse: s-maj=13.4km s-min=7.4km az=22.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 13 07 24.1–.69 43.21N–.06 46.18E–.05 5–7 62 0-3
ISCJB X 11 13 07 24.7–.80 43.23N–.07 46.24E–.05 18–8 ¶13396711
MOS X 11 13 07 24.3–1.6 43.18N 46.27E 21 3.9b
CSEM X 11 13 07 24.3 43.18N 46.27E 21 3.9b
ISCJB Error ellipse: s-maj=13.1km s-min=3.5km az=27.1.
MOS Error ellipse: s-maj=13.7km s-min=7.1km az=20.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 13 17 12.5–.35 43.26N–.04 46.25E–.02 19–3 3.8b 141 0-60
IDC X 11 13 17 08.6–1.6 43.08N 46.04E 0 3.9b,3.9 ¶11748563
ISCJB X 11 13 17 10.2–.45 43.43N–.03 46.34E–.02 4–3 3.8b,3.9
NEIC X 11 13 17 12.6–3.8 43.30N 46.15E 20–33 3.9b,3.9
CSEM X 11 13 17 12.3–.13 43.24N 46.23E 20 4.4b,3.9
MOS X 11 13 17 12.0–1.3 43.41N 46.29E 18 4.4b,3.9
NNC X 11 13 17 25.2–5.3 43.41N 48.17E 0 3.6b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=20.0km az=171.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.8km az=15.1.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.3km az=152.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.5km az=12.0.
MOS Error ellipse: s-maj=6.9km s-min=5.9km az=40.1.
NNC Error ellipse: s-maj=162.0km s-min=40.4km az=137.0.
MOS X 11 13 18 34.1–2.6 43.34N 46.28E 14 4.2b
CSEM X 11 13 18 34.1 43.34N 46.28E 14 4.2b ¶13396713
MOS Error ellipse: s-maj=11.2km s-min=7.2km az=14.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 13 20 56.7–1.3 43.15N 46.20E 16 4.1b
CSEM X 11 13 20 56.7 43.15N 46.20E 16 4.1b ¶13396715
MOS Error ellipse: s-maj=15.0km s-min=6.7km az=19.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 13 26 12.7–2.2 43.23N 46.31E 17 4.1b
CSEM X 11 13 26 12.7 43.23N 46.31E 17 4.1b ¶13396716
MOS Error ellipse: s-maj=11.8km s-min=6.7km az=25.6.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 13 26 59.7–2.5 43.20N 46.20E 10 4.1b
CSEM X 11 13 26 59.7 43.20N 46.20E 10 4.1b ¶13396717
MOS Error ellipse: s-maj=21.3km s-min=7.6km az=9.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 13 28 45.4–.48 43.37N–.02 46.39E–.03 4–3 3.8b 214 0-50
IDC X 11 13 28 43.6–.85 43.30N 46.10E 0 3.9,3.9 ¶13396720
ISCJB X 11 13 28 44.4–.49 43.41N–.02 46.47E–.03 7–3 3.8b,3.9
NEIC X 11 13 28 44.7–.77 43.37N 46.32E 10 3.8b,3.9
MOS X 11 13 28 44.3–2.0 43.37N 46.53E 20 4.3b,3.9
CSEM X 11 13 28 47.6 43.36N 46.62E 24 4.5b,3.9
NNC X 11 13 29 00.6–3.5 43.61N 48.23E 0 3.9b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=12.0km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=40.9.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.5km az=166.0.
MOS Error ellipse: s-maj=11.6km s-min=7.7km az=170.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
NNC Error ellipse: s-maj=68.3km s-min=24.6km az=139.0.
ISC X 11 13 44 36.6–.87 43.24N–.08 46.25E–.05 5–6 47 0-11
ISCJB X 11 13 44 35.1–.86 43.35N–.08 46.29E–.05 1–6 ¶11748567
CSEM X 11 13 44 36.8–.20 43.26N 46.22E 10 4.1b
MOS X 11 13 44 36.9–1.6 43.17N 46.32E 22 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=5.9km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.0km az=4.0.
MOS Error ellipse: s-maj=27.7km s-min=8.2km az=8.0.
ISC X 11 13 54 52.7–.56 43.29N–.04 46.30E–.03 8–4 90 0-11
CSEM X 11 13 54 52.5–.30 43.29N 46.27E 2 4.2b ¶11748568
ISCJB X 11 13 54 53.3–.73 43.34N–.05 46.37E–.04 18–7 4.2b
MOS X 11 13 54 54.3–2.2 43.23N 46.25E 19 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=3.1km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=3.2km az=22.9.
MOS Error ellipse: s-maj=11.5km s-min=6.2km az=26.9.
MOS X 11 13 55 44.4–1.2 43.15N 46.25E 14 4.0b
CSEM X 11 13 55 44.4 43.15N 46.25E 14 4.0b ¶13396722
MOS Error ellipse: s-maj=26.2km s-min=9.9km az=8.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 13 59 04.5–1.1 43.26N 46.31E 15 3.9b
CSEM X 11 13 59 04.5 43.26N 46.31E 15 3.9b ¶13396723
MOS Error ellipse: s-maj=14.5km s-min=7.8km az=14.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 14 55 41.9–.56 43.21N–.05 46.16E–.04 12–5 80 0-11
ISCJB X 11 14 55 40.6–.57 43.26N–.05 46.19E–.03 6–4 ¶11748572
MOS X 11 14 55 41.9–.82 43.18N 46.14E 12 4.1b
CSEM X 11 14 55 41.1 43.18N 46.14E 12 4.1b
ISCJB Error ellipse: s-maj=8.4km s-min=2.6km az=24.9.
MOS Error ellipse: s-maj=13.4km s-min=7.0km az=22.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 15 12 39.6–2.2 43.06N 46.21E 19 3.8b
CSEM X 11 15 12 39.6 43.06N 46.21E 19 3.8b ¶13396730
MOS Error ellipse: s-maj=22.8km s-min=8.1km az=14.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 15 30 10.4–.80 43.29N–.04 46.35E–.05 3–4 68 0-3
MOS X 11 15 30 11.1–1.7 43.12N 46.36E 19 3.9b ¶13396733
CSEM X 11 15 30 11.1 43.12N 46.36E 19 3.9b
MOS Error ellipse: s-maj=12.3km s-min=7.7km az=13.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 15 32 09.2–.59 43.27N–.04 46.16E–.03 6–4 83 0-11
ISCJB X 11 15 32 08.0–.62 43.30N–.04 46.17E–.03 1–4 ¶11748576
CSEM X 11 15 32 08.8–.22 43.21N 46.12E 5 4.0b
MOS X 11 15 32 10.5–2.3 43.14N 46.11E 22 4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.1km az=22.6.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=2.7km az=20.0.
MOS Error ellipse: s-maj=12.5km s-min=7.0km az=21.0.
ISC X 11 15 47 15.8–.51 43.33N–.03 46.23E–.03 4–3 98 0-21
ISCJB X 11 15 47 14.6–.53 43.36N–.03 46.23E–.03 1–4 ¶11748578
CSEM X 11 15 47 15.4–.20 43.27N 46.20E 5 4.2b
MOS X 11 15 47 16.3–1.2 43.27N 46.16E 15 4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=2.7km az=19.9.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=2.5km az=16.0.
MOS Error ellipse: s-maj=10.3km s-min=6.3km az=21.6.
ISC X 11 16 55 01.5–.56 43.34N–.04 46.24E–.03 6–3 91 0-3
MOS X 11 16 55 02.5–.84 43.23N 46.24E 25 4.2b ¶11748580
CSEM X 11 16 55 02.0 43.23N 46.24E 25 4.2b
MOS Error ellipse: s-maj=11.6km s-min=7.1km az=19.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 16 55 45.4–.59 43.38N–.03 46.32E–.03 15–4 3.8b 155 0-58
NEIC X 11 16 55 41.9–.80 43.21N 45.99E 10 3.7b ¶13396743
IDC X 11 16 55 42.0–.66 43.31N 45.98E 0 4.0,3.9
ISCJB X 11 16 55 43.6–.88 43.37N–.03 46.45E–.03 15–7 3.8b,3.9
CSEM X 11 16 55 44.2–.22 43.35N 46.29E 10 4.6b,3.9
MOS X 11 16 55 44.4–1.5 43.41N 46.33E 21 4.6b,3.9
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=8.3km az=177.0.
IDC Error ellipse: s-maj=15.9km s-min=8.9km az=113.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=153.0.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=4.2km az=174.0.
MOS Error ellipse: s-maj=8.8km s-min=6.7km az=161.4.
ISC X 11 17 05 29.1–.65 43.28N–.04 46.23E–.04 6–3 90 0-3
MOS X 11 17 05 30.0–1.5 43.18N 46.17E 18 4.0b ¶13396744
CSEM X 11 17 05 30.0 43.18N 46.17E 18 4.0b
MOS Error ellipse: s-maj=10.5km s-min=6.6km az=24.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 17 29 17.0–.48 43.31N–.03 46.24E–.03 7–3 101 0-11
ISCJB X 11 17 29 15.9–.51 43.35N–.03 46.23E–.03 0–3 ¶11748582
CSEM X 11 17 29 16.8–.19 43.22N 46.18E 10 4.1b
MOS X 11 17 29 17.3–1.5 43.24N 46.19E 14 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.4km az=20.5.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=2.5km az=18.0.
MOS Error ellipse: s-maj=10.2km s-min=5.8km az=24.4.
ISC X 11 17 38 43.5–.71 43.34N–.05 46.23E–.04 9–4 89 0-3
ISCJB X 11 17 38 43.4–.59 43.29N–.04 46.17E–.03 4–4 ¶13396746
MOS X 11 17 38 44.2–.90 43.23N 46.12E 12 4.0b
CSEM X 11 17 38 44.0 43.23N 46.12E 12 4.0b

ISCJB Error ellipse: s-maj=8.0km s-min=2.7km az=22.1.
MOS Error ellipse: s-maj=13.5km s-min=7.8km az=5.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 18 23 00.6–.50 43.32N–.03 46.26E–.03 9–3 100 0-11
ISCJB X 11 18 22 59.7–.53 43.34N–.04 46.25E–.03 4–4 **¶11748584**
CSEM X 11 18 23 00.2–.21 43.21N 46.17E 20 4.2b
MOS X 11 18 23 01.3–1.9 43.24N 46.17E 16 4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=2.6km az=24.1.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=2.8km az=17.0.
MOS Error ellipse: s-maj=10.3km s-min=5.9km az=23.8.
ISC X 11 19 09 24.7–.62 43.31N–.05 46.24E–.03 9–3 101 0-3
ISCJB X 11 19 09 26.7–.63 43.28N–.05 46.20E–.03 21–6 **¶13396753**
MOS X 11 19 09 26.7–1.2 43.15N 46.09E 18 4.0b
CSEM X 11 19 09 26.7 43.15N 46.09E 18 4.0b
ISCJB Error ellipse: s-maj=8.7km s-min=3.1km az=18.3.
MOS Error ellipse: s-maj=11.9km s-min=6.5km az=22.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 19 10 10.6–.70 43.36N–.05 46.23E–.04 7–4 77 0-3
ISCJB X 11 19 10 10.2–.65 43.33N–.05 46.19E–.03 3–5 **¶13396754**
MOS X 11 19 10 11.8–.93 43.26N 46.14E 20 4.1b
CSEM X 11 19 10 11.1 43.26N 46.14E 20 4.1b
ISCJB Error ellipse: s-maj=9.0km s-min=3.3km az=18.4.
MOS Error ellipse: s-maj=13.4km s-min=7.2km az=8.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 19 39 20.6–.57 43.32N–.03 46.28E–.03 1–4 108 0-11
CSEM X 11 19 39 20.7–.22 43.25N 46.23E 12 4.2b **¶11748586**
MOS X 11 19 39 22.5–1.3 43.23N 46.18E 24 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=2.9km az=18.0.
MOS Error ellipse: s-maj=11.2km s-min=6.6km az=22.4.
ISC X 11 19 59 40.7–.54 43.24N–.03 46.26E–.03 5–3 102 0-3
MOS X 11 19 59 40.6–1.1 43.17N 46.22E 13 4.0b **¶13396761**
CSEM X 11 19 59 40.6 43.17N 46.22E 13 4.0b
MOS Error ellipse: s-maj=10.1km s-min=6.1km az=24.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 11 19 59 54.4–1.3 43.22N 46.42E 13 3.8b
CSEM X 11 19 59 54.4 43.22N 46.42E 13 3.8b **¶13396762**
MOS Error ellipse: s-maj=29.3km s-min=9.3km az=3.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 20 19 46.8–.48 43.26N–.03 46.20E–.02 1–3 120 0-22
CSEM X 11 20 19 46.6–.22 43.22N 46.17E 2 4.1b **¶11748590**
MOS X 11 20 19 47.9–1.4 43.22N 46.19E 23 4.1b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=2.5km az=20.0.
MOS Error ellipse: s-maj=9.8km s-min=6.0km az=29.4.
ISC X 11 20 28 58.1–.58 43.33N–.04 46.21E–.03 6–3 102 0-3
ISCJB X 11 20 28 57.5–.56 43.31N–.04 46.18E–.03 1–4 **¶13396765**
MOS X 11 20 28 59.3–1.2 43.20N 46.13E 16 4.1b
CSEM X 11 20 28 59.3 43.20N 46.13E 16 4.1b
ISCJB Error ellipse: s-maj=7.5km s-min=2.5km az=21.7.
MOS Error ellipse: s-maj=11.9km s-min=6.6km az=20.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 21 04 19.5–.55 43.31N–.03 46.26E–.03 3–3 102 0-21
CSEM X 11 21 04 19.4–.24 43.27N 46.22E 10 4.4b **¶11748591**
MOS X 11 21 04 20.5–1.9 43.33N 46.19E 25 4.4b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=2.6km az=24.0.
MOS Error ellipse: s-maj=8.8km s-min=6.0km az=32.4.
ISC X 11 21 12 30.9–.39 43.41N–.02 46.34E–.02 3–2 4.2b 293 0-60
IDC X 11 21 12 29.6–.56 43.30N 46.16E 0 4.2L,4.1 **¶13396768**
ISCJB X 11 21 12 29.3–.39 43.44N–.02 46.37E–.02 3–3 4.2b,4.1
CSEM X 11 21 12 30.9–.12 43.38N 46.31E 5 4.0b,4.1
NEIC X 11 21 12 31.0–.53 43.35N 46.27E 10 4.0b,4.1
MOS X 11 21 12 30.8–1.4 43.40N 46.32E 15 4.7b,4.1
NNC X 11 21 12 41.3–2.2 43.48N 47.80E 0 4.0b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=14.1km s-min=8.4km az=128.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=5.8.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=14.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.3km az=177.0.
MOS Error ellipse: s-maj=5.5km s-min=4.5km az=132.2.
NNC Error ellipse: s-maj=36.9km s-min=16.0km az=122.0.
ISC X 11 21 32 52.2–.46 43.34N–.03 46.32E–.03 3–3 108 0-21
ISCJB X 11 21 32 50.4–.50 43.40N–.03 46.33E–.03 0–3 **¶11748594**
CSEM X 11 21 32 51.9–.22 43.29N 46.28E 10 4.3b
MOS X 11 21 32 52.6–1.0 43.22N 46.24E 11 4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.5km az=23.5.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=2.5km az=19.0.
MOS Error ellipse: s-maj=10.8km s-min=5.9km az=22.7.
ISC X 11 22 03 20.0–.66 43.36N–.04 46.32E–.03 4–3 114 0-3
MOS X 11 22 03 20.5–1.0 43.29N 46.28E 13 4.0b **¶13396772**
CSEM X 11 22 03 20.5 43.29N 46.28E 13 4.0b
MOS Error ellipse: s-maj=8.8km s-min=6.3km az=28.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 22 50 41.5–.50 43.27N–.03 46.23E–.03 5–4 94 0-3
MOS X 11 22 50 42.9–2.7 43.15N 46.23E 20 3.9b **¶13396774**
CSEM X 11 22 50 42.9 43.15N 46.23E 20 3.9b
MOS Error ellipse: s-maj=10.4km s-min=6.0km az=25.6.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 23 12 31.8–.64 43.30N–.04 46.36E–.04 3–3 103 0-3
MOS X 11 23 12 32.5–1.4 43.18N 46.27E 13 3.8b **¶13396776**
CSEM X 11 23 12 32.5 43.18N 46.27E 13 3.8b
MOS Error ellipse: s-maj=9.4km s-min=6.3km az=29.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 23 46 11.0–.60 43.31N–.04 46.28E–.04 3–3 100 0-3
MOS X 11 23 46 12.3–.98 43.14N 46.21E 16 4.0b **¶13396777**
CSEM X 11 23 46 12.0 43.14N 46.21E 16 4.0b
MOS Error ellipse: s-maj=10.4km s-min=6.3km az=24.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 11 23 51 02.4–.42 43.38N–.02 46.28E–.02 4–2 4.2b,4.1s 325 0-60
IDC X 11 23 51 00.5–.56 43.23N 46.13E 0 4.2L,4.2 **¶13396778**
ISCJB X 11 23 51 01.4–.43 43.44N–.02 46.31E–.02 9–3 4.2b,4.1s
BJI X 11 23 51 01.2 44.16N 45.74E 20 4.5s,4.5b
MOS X 11 23 51 02.0–1.4 43.39N 46.26E 13 4.6b,4.5b
NEIC X 11 23 51 03.7–.39 43.52N 46.23E 10 4.1b,4.5b
CSEM X 11 23 51 04.3–.16 43.12N 46.18E 33 4.1b,4.5b
SZGRF X 11 23 51 15.3 43.78N 45.06E 24 3.9b,4.5b
NNC X 11 23 51 18.8–5.0 43.85N 47.40E 69–43 3.8b,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=14.1km s-min=8.1km az=120.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=11.4.
MOS Error ellipse: s-maj=5.5km s-min=4.5km az=43.2.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.2km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=3.3km az=18.0.
SZGRF Eastern Caucasus.
NNC Error ellipse: s-maj=45.8km s-min=24.7km az=132.0.
ISC X 12 00 22 09.6–.40 43.33N–.02 46.26E–.02 2–3 3.4b 136 0-28
IDC X 12 00 22 07.5–5.0 43.24N 46.04E 0 3.8s,3.8 **¶11748601**
NEIC X 12 00 22 09.5–.68 43.32N 46.12E 10 3.8s,3.8
CSEM X 12 00 22 10.0–.16 43.25N 46.21E 15 4.3b,3.8
MOS X 12 00 22 11.1–1.2 43.20N 46.13E 13 4.3b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=98.7km s-min=28.6km az=3.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.3km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.6km az=18.0.
MOS Error ellipse: s-maj=9.2km s-min=5.6km az=30.3.
ISC X 12 00 50 21.2–.58 43.33N–.04 46.23E–.03 2–3 101 0-11
CSEM X 12 00 50 21.2–.29 43.27N 46.18E 10 3.9b **¶11748603**
MOS X 12 00 50 22.7–.98 43.19N 46.14E 14 3.9b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.0km az=24.0.
MOS Error ellipse: s-maj=10.2km s-min=6.5km az=31.9.
ISC X 12 02 06 33.4–.71 43.34N–.04 46.29E–.04 3–4 80 0-3
MOS X 12 02 06 33.4–1.4 43.31N 46.30E 15 3.9b **¶13396785**
CSEM X 12 02 06 33.4 43.31N 46.30E 15 3.9b
MOS Error ellipse: s-maj=8.9km s-min=7.1km az=22.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 02 21 55.8–.55 43.32N–.03 46.28E–.03 3–3 94 0-11
ISCJB X 12 02 21 54.7–.57 43.34N–.03 46.29E–.03 0–4 **¶11748613**
CSEM X 12 02 21 56.0–.20 43.24N 46.23E 10 4.1b
MOS X 12 02 21 57.5–.70 43.19N 46.23E 21 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=2.9km az=21.4.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=2.6km az=19.0.
MOS Error ellipse: s-maj=11.2km s-min=6.7km az=24.0.
ISC X 12 02 26 16.1–.76 43.36N–.06 46.30E–.05 2–5 67 0-3
MOS X 12 02 26 11.6–2.5 43.67N 46.56E 11 3.9b **¶13396787**
CSEM X 12 02 26 11.6 43.67N 46.56E 11 3.9b
MOS Error ellipse: s-maj=8.6km s-min=6.9km az=55.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 03 16 33.3–.46 43.46N–.02 46.37E–.02 0–3 3.8b 152 0-49
IDC X 12 03 16 32.3–.86 43.37N 46.10E 0 3.8b,3.8 **¶12068441**
ISCJB X 12 03 16 33.9–.56 43.50N–.03 46.46E–.03 17–5 3.7b,3.8
CSEM X 12 03 16 33.3–.21 43.43N 46.34E 2 4.5b,3.8
NEIC X 12 03 16 34.8–.72 43.51N 46.27E 10 3.7b,3.8
MOS X 12 03 16 35.1–1.1 43.43N 46.34E 29 4.5b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=20.7km s-min=11.3km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=11.1.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=20.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.2km az=164.0.
MOS Error ellipse: s-maj=6.5km s-min=5.8km az=127.2.
ISC X 12 03 45 55.6–.33 42.96N–.03 45.68E–.02 13–3 100 0-12
ISCJB X 12 03 45 54.9–.36 42.91N–.03 45.64E–.02 0–5 **¶11748617**
CSEM X 12 03 45 54.8–.25 42.91N 45.62E 15 4.1b
MOS X 12 03 45 55.5–1.6 42.98N 45.64E 18 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.5km az=17.4.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=4.0km az=11.0.
MOS Error ellipse: s-maj=11.5km s-min=6.4km az=29.3.
ISC X 12 03 49 29.5–.73 43.32N–.05 46.34E–.04 10 79 0-3
ISCJB X 12 03 49 28.5–.76 43.34N–.04 46.38E–.04 10 **¶13396790**
MOS X 12 03 49 30.1–1.5 43.23N 46.29E 21 3.8b
CSEM X 12 03 49 30.1 43.23N 46.29E 21 3.8b
ISCJB Error ellipse: s-maj=7.4km s-min=2.6km az=32.8.
MOS Error ellipse: s-maj=9.9km s-min=7.4km az=24.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 03 53 08.0–.41 43.41N–.02 46.34E–.02 1–3 3.7b 158 0-49
ISCJB X 12 03 53 06.3–.43 43.46N–.02 46.38E–.02 1–3 3.7b **¶11748618**
IDC X 12 03 53 06.2–.85 43.25N 46.09E 0 3.8,3.8
CSEM X 12 03 53 08.6–.18 43.35N 46.30E 10 4.2b,3.8
NEIC X 12 03 53 08.1–.53 43.42N 46.17E 10 3.8b,3.8
MOS X 12 03 53 08.3–1.3 43.42N 46.35E 18 4.2b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=14.4.
IDC Error ellipse: s-maj=21.0km s-min=9.8km az=113.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=15.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.0km az=150.0.
MOS Error ellipse: s-maj=6.3km s-min=5.5km az=126.4.
ISC X 12 04 11 21.7–.89 43.34N–.06 46.36E–.06 4–5 57 0-2
MOS X 12 04 11 22.5–1.3 43.23N 46.35E 17 3.8b **¶13396793**
CSEM X 12 04 11 22.5 43.23N 46.35E 17 3.8b
MOS Error ellipse: s-maj=13.6km s-min=8.1km az=8.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 04 17 01.2–.83 43.37N–.05 46.27E–.05 4–4 69 0-3
MOS X 12 04 17 02.6–1.5 43.28N 46.20E 19 4.1b **¶13396794**
CSEM X 12 04 17 02.6 43.28N 46.20E 19 4.1b
MOS Error ellipse: s-maj=10.9km s-min=7.9km az=16.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 12 04 23 31.8–1.4 43.20N 46.22E 19 3.9b
CSEM X 12 04 23 31.8 43.20N 46.22E 19 3.9b **¶13396795**
MOS Error ellipse: s-maj=12.2km s-min=7.6km az=20.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 04 24 44.2–.39 43.38N–.02 46.37E–.02 1–2 4.0b 236 0-58
IDC X 12 04 24 41.3–.90 43.21N 46.42E 0 4.1b,4.0 **¶11748620**
ISCJB X 12 04 24 42.5–.39 43.42N–.02 46.44E–.02 4–2 4.0b,4.0
NEIC X 12 04 24 43.8–.60 43.27N 46.29E 10 4.0b,4.0
MOS X 12 04 24 44.8–1.3 43.34N 46.35E 17 4.5b,4.0
CSEM X 12 04 24 44.5–.14 43.34N 46.33E 10 4.5b,4.0
NNC X 12 04 24 59.0–1.6 43.93N 47.73E 0 4.0b,4.0
TEH X 12 04 24 59.4 42.72N 47.11E 33 4.0b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=9.5km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=25.4.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.6km az=148.0.
MOS Error ellipse: s-maj=6.4km s-min=5.0km az=122.9.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=26.0.
NNC Error ellipse: s-maj=17.4km s-min=11.2km az=133.0.
ISC X 12 04 26 24.8–1.2 43.32N–.05 46.28E–.07 4–4 60 0-3
MOS X 12 04 26 28.1–1.5 43.26N 46.05E 21 4.1b **¶13396796**
CSEM X 12 04 26 28.1 43.26N 46.05E 21 4.1b
MOS Error ellipse: s-maj=19.4km s-min=8.7km az=175.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 05 03 16.7–.49 43.33N–.03 46.32E–.03 0–3 107 0-11
CSEM X 12 05 03 16.7–.20 43.27N 46.29E 10 4.4b **¶11748622**
MOS X 12 05 03 18.0–1.7 43.22N 46.24E 15 4.4b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.2km az=22.0.
MOS Error ellipse: s-maj=9.8km s-min=5.7km az=30.2.
ISC X 12 05 30 50.6–.40 43.36N–.02 46.38E–.02 3–3 3.8b 159 0-58
ISCJB X 12 05 30 48.6–.42 43.42N–.02 46.43E–.02 2–3 3.8b **¶11748625**
IDC X 12 05 30 48.7–.92 43.25N 46.10E 0 3.9b,3.9
CSEM X 12 05 30 50.3–.15 43.33N 46.36E 5 4.5b,3.9
MOS X 12 05 30 50.7–.90 43.32N 46.33E 12 4.5b,3.9
NEIC X 12 05 30 51.2–.73 43.39N 46.27E 10 4.5b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=22.3.
IDC Error ellipse: s-maj=24.4km s-min=12.2km az=119.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.4km az=23.0.
MOS Error ellipse: s-maj=7.3km s-min=5.1km az=44.6.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=9.5km az=151.0.
ISC X 12 06 14 36.4–.58 43.30N–.03 46.28E–.03 0–4 96 0-3
MOS X 12 06 14 38.4–2.0 43.22N 46.24E 25 4.1b **¶13396800**
CSEM X 12 06 14 38.4 43.22N 46.24E 25 4.1b
MOS Error ellipse: s-maj=9.7km s-min=6.3km az=31.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 06 39 50.2–.51 43.30N–.03 46.23E–.03 4–3 106 0-120
ISCJB X 12 06 39 48.8–.53 43.34N–.03 46.27E–.03 1–4 **¶11748632**
CSEM X 12 06 39 50.3–.20 43.26N 46.21E 10 4.4b
MOS X 12 06 39 50.4–2.1 43.35N 46.21E 18 4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=2.7km az=25.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=2.8km az=22.0.
MOS Error ellipse: s-maj=7.0km s-min=5.6km az=27.3.
ISC X 12 06 51 07.0–.53 43.28N–.03 46.29E–.03 3–4 101 0-11
CSEM X 12 06 51 06.9–.21 43.25N 46.26E 2 4.4b **¶11748633**
MOS X 12 06 51 07.9–.97 43.22N 46.29E 20 4.4b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=2.3km az=25.0.
MOS Error ellipse: s-maj=9.0km s-min=5.9km az=29.9.

ISC X 12 07 22 18.4–.48 43.26N–.03 46.27E–.02 2–3 123 0-11
CSEM X 12 07 22 18.2–.19 43.19N 46.22E 5 4.2b ¶11748636
MOS X 12 07 22 18.8–1.2 43.20N 46.24E 16 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.3km az=19.0.
MOS Error ellipse: s-maj=9.1km s-min=5.5km az=33.8.
MOS X 12 07 35 35.8–1.7 43.17N 46.13E 20 3.9b
CSEM X 12 07 35 35.8 43.17N 46.13E 20 3.9b ¶13396804
MOS Error ellipse: s-maj=12.6km s-min=6.8km az=27.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 07 39 11.4–.50 43.34N–.03 46.32E–.03 1–3 105 0-11
CSEM X 12 07 39 11.9–.23 43.23N 46.23E 2 4.0b ¶11748637
MOS X 12 07 39 13.1–2.1 43.22N 46.23E 18 4.0b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=2.4km az=23.0.
MOS Error ellipse: s-maj=9.5km s-min=5.8km az=36.8.
ISC X 12 07 43 24.9–.61 43.23N–.05 46.24E–.04 5–5 74 0-2
ISCJB X 12 07 43 25.6–.67 43.23N–.05 46.31E–.04 18–7 ¶13396805
MOS X 12 07 43 25.9–2.1 43.16N 46.22E 17 3.9b
CSEM X 12 07 43 25.9 43.16N 46.22E 17 3.9b
ISCJB Error ellipse: s-maj=9.9km s-min=3.5km az=27.0.
MOS Error ellipse: s-maj=12.1km s-min=6.6km az=27.6.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 12 08 10 26.2–1.2 43.23N 46.17E 18 3.8b
CSEM X 12 08 10 26.2 43.23N 46.17E 18 3.8b ¶13396806
MOS Error ellipse: s-maj=13.2km s-min=7.4km az=18.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 12 08 11 14.2–1.1 43.23N 46.18E 13 3.9b
CSEM X 12 08 11 14.2 43.23N 46.18E 13 3.9b ¶13396807
MOS Error ellipse: s-maj=14.3km s-min=7.4km az=15.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 08 35 35.5–.54 43.21N–.04 46.24E–.03 5–5 70 0-2
MOS X 12 08 35 34.9–1.1 43.19N 46.29E 14 3.9b ¶13396809
CSEM X 12 08 35 34.9 43.19N 46.29E 14 3.9b
MOS Error ellipse: s-maj=12.8km s-min=7.3km az=17.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 09 01 21.1–.44 43.44N–.02 46.36E–.02 8–3 4.2b 321 0-60
BJI X 12 09 01 15.8 44.01N 45.61E 5 4.7b,4.6b ¶13396811
ISCJB X 12 09 01 19.9–.42 43.47N–.02 46.39E–.02 11–2 4.2b,4.6b
IDC X 12 09 01 19.4–.54 43.36N 46.25E 0 4.2,4.2L
MOS X 12 09 01 20.3–1.2 43.48N 46.39E 16 4.9b,4.2L
CSEM X 12 09 01 20.8–.12 43.39N 46.37E 10 4.3b,4.2L
NEIC X 12 09 01 21.9–.50 43.51N 46.30E 10 4.1b,4.2L
TEH X 12 09 01 22.0 43.51N 46.31E 10 4.1b,4.2L
NNC X 12 09 01 30.9–1.1 43.59N 47.71E 0 4.2b,4.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=4.0.
IDC Error ellipse: s-maj=11.7km s-min=8.4km az=124.0.
MOS Error ellipse: s-maj=5.3km s-min=4.3km az=121.3.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=21.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.5km az=180.0.
NNC Error ellipse: s-maj=20.3km s-min=7.1km az=127.0.
ISC X 12 09 10 10.5–.54 43.30N–.03 46.31E–.03 1–3 110 0-11
CSEM X 12 09 10 10.3–.23 43.23N 46.26E 2 4.1b ¶11748643
MOS X 12 09 10 11.5–2.1 43.22N 46.26E 17 4.1b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=2.5km az=22.0.
MOS Error ellipse: s-maj=9.1km s-min=5.8km az=33.3.
ISC X 12 11 13 33.1–.55 43.30N–.03 46.21E–.03 2–3 113 0-11
CSEM X 12 11 13 33.1–.25 43.25N 46.16E 2 4.2b ¶11748653
MOS X 12 11 13 33.7–.98 43.21N 46.16E 12 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=2.6km az=22.0.
MOS Error ellipse: s-maj=9.4km s-min=6.0km az=31.4.
ISC X 12 11 18 28.4–.43 43.32N–.02 46.32E–.02 2–3 3.8b 166 0-49
ISCJB X 12 11 18 27.1–.46 43.38N–.02 46.34E–.02 0–3 3.9b ¶11748654
IDC X 12 11 18 27.2–.76 43.36N 45.86E 0 3.9b,3.9
CSEM X 12 11 18 28.3–.15 43.27N 46.32E 2 4.5b,3.9
MOS X 12 11 18 28.4–1.5 43.31N 46.32E 15 4.5b,3.9
NEIC X 12 11 18 28.9–.70 43.42N 46.02E 10 3.4b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=20.9.
IDC Error ellipse: s-maj=20.3km s-min=8.5km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=21.0.
MOS Error ellipse: s-maj=6.4km s-min=5.1km az=131.7.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.8km az=158.0.
ISC X 12 12 02 18.5–.75 43.32N–.04 46.32E–.04 4–4 73 0-3
ISCJB X 12 12 02 18.3–.69 43.28N–.05 46.29E–.05 1–5 ¶13396818
MOS X 12 12 02 18.0–2.7 43.34N 46.42E 18 3.8b
CSEM X 12 12 02 18.0 43.34N 46.42E 18 3.8b
ISCJB Error ellipse: s-maj=9.7km s-min=3.1km az=32.6.
MOS Error ellipse: s-maj=9.6km s-min=7.5km az=18.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 12 16 54.4–.54 43.29N–.03 46.31E–.03 0–3 109 0-11
CSEM X 12 12 16 54.4–.19 43.23N 46.28E 5 4.0b ¶13396819
MOS X 12 12 16 54.4–1.9 43.24N 46.33E 13 4.0b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.0km az=25.0.
MOS Error ellipse: s-maj=8.7km s-min=5.9km az=37.1.
ISC X 12 12 37 38.5–.54 43.31N–.03 46.24E–.03 3–3 100 0-11
CSEM X 12 12 37 38.6–.20 43.24N 46.19E 10 4.1b ¶11748661
MOS X 12 12 37 39.1–1.5 43.26N 46.20E 16 4.1b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=2.3km az=22.0.
MOS Error ellipse: s-maj=9.2km s-min=6.0km az=30.1.
ISC X 12 13 36 49.1–.63 43.22N–.05 46.19E–.04 10–4 78 0-2
ISCJB X 12 13 36 48.6–.60 43.21N–.04 46.15E–.03 5–4 ¶13396824
MOS X 12 13 36 49.0–1.9 43.20N 46.18E 15 3.9b
CSEM X 12 13 36 49.0 43.20N 46.18E 15 3.9b
ISCJB Error ellipse: s-maj=8.2km s-min=2.5km az=26.0.
MOS Error ellipse: s-maj=11.1km s-min=6.5km az=28.6.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 12 15 01 59.0–1.5 43.28N 46.26E 20 3.8b
CSEM X 12 15 01 59.0 43.28N 46.26E 20 3.8b ¶13396830
MOS Error ellipse: s-maj=11.7km s-min=7.1km az=23.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 16 19 31.2–.56 43.32N–.03 46.38E–.03 3–3 120 0-11
CSEM X 12 16 19 31.0–.20 43.29N 46.35E 2 4.2b ¶11748672
MOS X 12 16 19 31.7–.92 43.22N 46.31E 11 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.3km az=26.0.
MOS Error ellipse: s-maj=7.9km s-min=5.2km az=36.3.
ISC X 12 16 40 14.1–.48 43.26N–.03 46.19E–.03 6–3 124 0-11
CSEM X 12 16 40 14.0–.26 43.19N 46.12E 5 4.2b ¶11748675
MOS X 12 16 40 14.8–.92 43.12N 46.11E 13 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=3.0km az=18.0.
MOS Error ellipse: s-maj=10.6km s-min=6.0km az=24.4.
ISC X 12 18 08 10.8–.56 43.24N–.03 46.25E–.03 4–4 87 0-3
MOS X 12 18 08 09.9–1.7 43.29N 46.34E 17 4.0b ¶13396842
CSEM X 12 18 08 09.9 43.29N 46.34E 17 4.0b
MOS Error ellipse: s-maj=8.8km s-min=6.7km az=30.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 18 26 32.8–.55 43.22N–.04 46.16E–.03 13–4 71 0-3
MOS X 12 18 26 31.8–1.2 43.32N 46.25E 16 3.8b ¶13396843
CSEM X 12 18 26 31.8 43.32N 46.25E 16 3.8b
ISCJB X 12 18 26 32.3–.57 43.18N–.04 46.13E–.03 3–5 3.8b
CSEM After OBN.
ISC X 12 18 46 36.0–.56 43.33N–.03 46.30E–.03 1–3 108 0-11
CSEM X 12 18 46 36.2–.28 43.27N 46.24E 2 4.0b ¶11748680
MOS X 12 18 46 36.6–1.5 43.25N 46.25E 11 4.0b

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=2.9km az=23.0.
MOS Error ellipse: s-maj=8.7km s-min=5.6km az=34.9.
ISC X 12 18 51 01.2–.55 43.33N–.03 46.28E–.03 3–3 106 0-11
CSEM X 12 18 51 01.6–.18 43.22N 46.22E 8 4.2b ¶11748681
MOS X 12 18 51 02.4–1.4 43.25N 46.20E 16 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=1.9km az=21.0.
MOS Error ellipse: s-maj=9.6km s-min=5.6km az=30.3.
ISC X 12 18 54 14.3–.60 43.30N–.04 46.25E–.03 5–4 93 0-3
MOS X 12 18 54 14.8–1.1 43.23N 46.26E 21 4.0b ¶13396846
CSEM X 12 18 54 14.8 43.23N 46.26E 21 4.0b
MOS Error ellipse: s-maj=9.7km s-min=6.7km az=27.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 19 36 13.8–.38 43.40N–.02 46.35E–.02 7–3 3.6b 226 0-58
IDC X 12 19 36 11.4–.58 43.26N 46.22E 0 3.9,3.8 ¶13396853
ISCJB X 12 19 36 12.1–.39 43.46N–.02 46.37E–.02 4–3 3.6b,3.8
MOS X 12 19 36 13.0–1.2 43.44N 46.37E 13 4.5b,3.8
NEIC X 12 19 36 14.0–4.1 43.31N 46.27E 19–28 3.8b,3.8
CSEM X 12 19 36 14.3–.13 43.30N 46.31E 20 4.5b,3.8
NNC X 12 19 36 21.6–2.3 43.52N 47.35E 0 3.8b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=13.8km s-min=8.1km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=12.7.
MOS Error ellipse: s-maj=5.6km s-min=4.7km az=125.9.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.7km az=173.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=17.0.
NNC Error ellipse: s-maj=28.1km s-min=12.2km az=100.0.
MOS X 12 23 18 06.1–.80 41.00N 48.09E 20 3.9b
CSEM X 12 23 18 06.0 41.00N 48.09E 20 3.9b ¶13396863
MOS Error ellipse: s-maj=40.6km s-min=14.9km az=103.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 12 23 45 46.1–.73 43.68N–.04 45.90E–.03 15–3 106 0-3
ISCJB X 12 23 45 46.7–.74 43.67N–.04 45.93E–.03 25–4 ¶13396865
MOS X 12 23 45 47.7–1.5 43.51N 45.76E 16 3.8b
CSEM X 12 23 45 47.7 43.51N 45.76E 16 3.8b
ISCJB Error ellipse: s-maj=7.8km s-min=3.2km az=16.8.
MOS Error ellipse: s-maj=7.4km s-min=6.4km az=133.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 00 05 38.8–.49 43.30N–.03 46.24E–.02 4–3 113 0-11
CSEM X 13 00 05 38.4–.21 43.24N 46.18E 2 4.1b ¶11748696
MOS X 13 00 05 39.3–1.3 43.19N 46.18E 13 4.1b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=2.6km az=18.0.
MOS Error ellipse: s-maj=9.5km s-min=5.5km az=29.8.
ISC X 13 00 44 56.0–.52 43.26N–.03 46.21E–.03 3–3 116 0-3
CSEM X 13 00 44 55.8–.26 43.25N 46.19E 2 4.2b ¶13396871
MOS X 13 00 44 56.5–.96 43.16N 46.17E 13 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=2.5km az=20.0.
MOS Error ellipse: s-maj=9.7km s-min=5.7km az=29.5.
ISC X 13 01 02 15.0–.53 43.23N–.03 46.17E–.03 7–3 103 0-3
ISCJB X 13 01 02 13.9–.55 43.25N–.04 46.18E–.03 1–4 ¶13396874
MOS X 13 01 02 15.0–1.3 43.17N 46.11E 14 4.0b
CSEM X 13 01 02 15.0 43.17N 46.11E 14 4.0b
ISCJB Error ellipse: s-maj=6.6km s-min=2.4km az=25.7.
MOS Error ellipse: s-maj=10.0km s-min=6.2km az=29.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 01 41 37.3–.51 43.26N–.04 46.17E–.03 3–3 110 0-3
MOS X 13 01 41 37.6–1.1 43.16N 46.09E 13 3.9b ¶13396877
CSEM X 13 01 41 37.6 43.16N 46.09E 13 3.9b
MOS Error ellipse: s-maj=10.0km s-min=6.0km az=31.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 01 45 15.5–.46 43.25N–.03 46.16E–.03 5–3 112 0-3
ISCJB X 13 01 45 14.6–.45 43.24N–.03 46.15E–.02 0–3 ¶13396878
MOS X 13 01 45 15.8–1.3 43.16N 46.08E 19 3.9b
CSEM X 13 01 45 15.8 43.16N 46.08E 19 3.9b
ISCJB Error ellipse: s-maj=5.5km s-min=2.2km az=24.9.
MOS Error ellipse: s-maj=10.1km s-min=5.6km az=30.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 01 52 20.1–.46 43.42N–.02 46.25E–.02 3–3 3.9b,3.3s 211 0-60
ISCJB X 13 01 52 18.9–.46 43.47N–.02 46.28E–.02 4–3 3.9b,3.3s ¶13396879
IDC X 13 01 52 18.2–.67 43.27N 46.05E 0 3.9b,3.9
MOS X 13 01 52 19.8–1.2 43.48N 46.26E 16 4.5b,3.9
CSEM X 13 01 52 20.5–.14 43.36N 46.22E 10 4.1b,3.9
NEIC X 13 01 52 20.0–.58 43.40N 46.10E 10 3.9b,3.9
NNC X 13 01 52 32.5–5.2 43.61N 47.03E 54–46 3.5b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=8.5.
IDC Error ellipse: s-maj=13.4km s-min=10.3km az=123.0.
MOS Error ellipse: s-maj=5.6km s-min=5.0km az=123.8.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.1km az=15.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.0km az=163.0.
NNC Error ellipse: s-maj=51.9km s-min=35.9km az=122.0.
ISC X 13 01 54 52.8–.60 43.30N–.04 46.17E–.03 6–4 90 0-3
ISCJB X 13 01 54 53.5–.62 43.32N–.04 46.20E–.03 16–5 ¶13396880
MOS X 13 01 54 53.8–1.4 43.24N 46.09E 21 4.1b
CSEM X 13 01 54 53.8 43.24N 46.09E 21 4.1b
ISCJB Error ellipse: s-maj=7.2km s-min=3.5km az=21.0.
MOS Error ellipse: s-maj=11.0km s-min=6.7km az=22.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 02 05 15.4–.64 43.38N–.03 46.37E–.03 0–4 106 0-11
CSEM X 13 02 05 15.7–.25 43.32N 46.32E 2 4.0b ¶11748704
MOS X 13 02 05 16.9–1.5 43.25N 46.27E 12 4.0b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=2.9km az=22.0.
MOS Error ellipse: s-maj=8.4km s-min=5.5km az=32.5.
ISC X 13 02 36 01.2–.51 43.31N–.03 46.24E–.03 5–3 98 0-11
ISCJB X 13 02 36 01.3–.59 43.37N–.03 46.31E–.03 17–5 ¶11748708
CSEM X 13 02 36 01.1–.18 43.24N 46.19E 10 4.2b
MOS X 13 02 36 02.7–.89 43.21N 46.19E 24 4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.1km az=20.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.3km az=18.0.
MOS Error ellipse: s-maj=11.4km s-min=6.8km az=23.0.
ISC X 13 03 55 17.7–.54 43.34N–.04 46.37E–.03 10 106 0-3
ISCJB X 13 03 55 17.3–.56 43.32N–.04 46.38E–.03 10 ¶13396888
MOS X 13 03 55 19.4–1.6 43.15N 46.32E 23 3.9b
CSEM X 13 03 55 19.4 43.15N 46.32E 23 3.9b
ISCJB Error ellipse: s-maj=5.9km s-min=2.0km az=29.3.
MOS Error ellipse: s-maj=9.8km s-min=5.8km az=37.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 03 58 43.5–.64 43.40N–.03 46.41E–.03 3–3 104 0-3
MOS X 13 03 58 45.6–1.9 43.17N 46.30E 14 4.1b ¶13396889
CSEM X 13 03 58 45.6 43.17N 46.30E 14 4.1b
MOS Error ellipse: s-maj=9.3km s-min=5.6km az=37.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 04 05 42.0–.52 43.29N–.03 46.28E–.03 0–3 107 0-11
CSEM X 13 04 05 42.0–.17 43.22N 46.23E 5 4.1b ¶11748714
MOS X 13 04 05 43.5–2.1 43.14N 46.23E 17 4.1b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.0km az=21.0.
MOS Error ellipse: s-maj=9.8km s-min=5.7km az=31.1.
ISC X 13 04 45 25.7–.64 43.29N–.04 46.31E–.04 1–4 84 0-3
MOS X 13 04 45 26.0–1.7 43.21N 46.36E 19 3.9b ¶13396892
CSEM X 13 04 45 26.0 43.21N 46.36E 19 3.9b
MOS Error ellipse: s-maj=9.8km s-min=6.7km az=34.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 04 48 14.7–.54 43.28N–.04 46.20E–.03 1–4 99 0-3
MOS X 13 04 48 15.7–1.2 43.20N 46.16E 17 3.9b ¶13396893
CSEM X 13 04 48 15.7 43.20N 46.16E 17 3.9b

MOS Error ellipse: s-maj=10.0km s-min=5.9km az=31.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 06 18 22.7–.44 43.33N–.02 46.23E–.02 6–3 4.0b 142 0-23
ISCJB X 13 06 18 21.4–.46 43.38N–.02 46.24E–.02 3–3 4.0b ¶11748719
CSEM X 13 06 18 22.0–.16 43.33N 46.22E 2 4.0b
MOS X 13 06 18 22.6–1.3 43.32N 46.21E 16 4.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.3km az=21.2.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.6km az=26.0.
MOS Error ellipse: s-maj=7.0km s-min=5.0km az=44.8.
ISC X 13 06 55 52.7–.61 43.34N–.03 46.32E–.03 1–4 110 0-11
CSEM X 13 06 55 53.0–.26 43.27N 46.25E 5 4.0b ¶11748722
MOS X 13 06 55 53.8–1.8 43.18N 46.25E 13 4.0b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=2.7km az=24.0.
MOS Error ellipse: s-maj=9.4km s-min=5.6km az=38.5.
ISC X 13 08 57 23.7–.71 43.26N–.06 46.24E–.05 4–9 56 0-2
MOS X 13 08 57 22.4–1.4 43.28N 46.40E 16 3.8b ¶13396910
CSEM X 13 08 57 22.4 43.28N 46.40E 16 3.8b
MOS Error ellipse: s-maj=11.5km s-min=7.7km az=31.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 09 15 33.7–.71 43.30N–.06 46.24E–.05 3–6 60 0-2
MOS X 13 09 15 34.2–1.2 43.27N 46.28E 19 3.8b ¶13396914
CSEM X 13 09 15 34.2 43.27N 46.28E 19 3.8b
MOS Error ellipse: s-maj=12.7km s-min=8.0km az=12.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 09 16 30.1–.85 43.36N–.05 46.28E–.06 6–5 65 0-3
MOS X 13 09 16 31.8–1.3 43.25N 46.16E 20 3.9b ¶13396915
CSEM X 13 09 16 31.8 43.25N 46.16E 20 3.9b
MOS Error ellipse: s-maj=12.7km s-min=8.3km az=17.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 13 01 01.9–.70 43.30N–.04 46.32E–.04 2–4 70 0-2
MOS X 13 13 01 02.3–1.3 43.16N 46.34E 17 3.8b ¶13396924
CSEM X 13 13 01 02.3 43.16N 46.34E 17 3.8b
MOS Error ellipse: s-maj=11.8km s-min=7.0km az=25.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 13 27 10.7–.59 43.25N–.04 46.24E–.04 4–4 82 0-2
MOS X 13 13 27 10.7–1.3 43.18N 46.25E 18 3.9b ¶13396925
CSEM X 13 13 27 10.7 43.18N 46.25E 18 3.9b
MOS Error ellipse: s-maj=11.1km s-min=6.7km az=27.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 13 13 53 06.7–.87 43.06N 46.17E 17 3.9b
CSEM X 13 13 53 06.1 43.06N 46.17E 17 3.9b ¶13396928
MOS Error ellipse: s-maj=22.3km s-min=8.9km az=14.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 14 08 13.3–.45 43.25N–.04 46.18E–.03 9–3 106 0-11
CSEM X 13 14 08 12.4–.24 43.26N 46.16E 5 4.3b ¶11748748
MOS X 13 14 08 13.8–1.3 43.20N 46.13E 16 4.3b
ISCJB X 13 14 08 14.1–.58 43.23N–.05 46.19E–.04 17–5 4.3b
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 13 15 08 51.6–.47 43.22N–.04 46.19E–.03 2–5 87 0-11
ISCJB X 13 15 08 51.8–.55 43.25N–.04 46.29E–.03 18–6 ¶11748749
CSEM X 13 15 08 51.3–.18 43.21N 46.18E 2 4.2b
MOS X 13 15 08 51.5–2.0 43.20N 46.24E 19 4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.1km az=22.4.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.2km az=22.0.
MOS Error ellipse: s-maj=10.7km s-min=6.3km az=31.1.
ISC X 13 15 30 48.9–.58 43.24N–.04 46.27E–.04 0–5 84 0-3
MOS X 13 15 30 49.2–1.7 43.19N 46.30E 13 3.9b ¶13396937
CSEM X 13 15 30 49.2 43.19N 46.30E 13 3.9b
MOS Error ellipse: s-maj=10.4km s-min=6.3km az=33.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 17 38 53.3–.60 43.33N–.04 46.25E–.03 7–3 100 0-3
ISCJB X 13 17 38 52.9–.55 43.29N–.04 46.21E–.03 1–4 ¶13396945
MOS X 13 17 38 55.3–.97 43.14N 46.11E 19 4.1b
CSEM X 13 17 38 55.0 43.14N 46.11E 19 4.1b
ISCJB Error ellipse: s-maj=7.1km s-min=2.6km az=22.3.
MOS Error ellipse: s-maj=12.3km s-min=6.6km az=21.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 18 17 20.1–.61 43.33N–.04 46.28E–.03 4–3 101 0-11
ISCJB X 13 18 17 21.0–.65 43.36N–.03 46.31E–.03 15–6 ¶11748754
CSEM X 13 18 17 20.3–.29 43.24N 46.20E 2 4.2b
MOS X 13 18 17 21.7–2.6 43.21N 46.17E 23 4.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.3km az=21.3.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=3.5km az=21.0.
MOS Error ellipse: s-maj=10.6km s-min=6.0km az=28.5.
MOS X 13 19 12 47.5–1.6 43.18N 46.09E 16 4.2b
CSEM X 13 19 12 47.5 43.18N 46.09E 16 4.2b ¶13396947
MOS Error ellipse: s-maj=14.5km s-min=7.1km az=19.6.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 13 21 37 22.4–.44 43.43N–.02 46.31E–.02 9–3 4.5b,3.8s 810 0-134
CSEM X 13 21 37 21.8–.09 43.41N 46.29E 5 4.6b,3.4s ¶13396957
ISCJB X 13 21 37 21.2–.41 43.44N–.01 46.33E–.02 13–2 4.5b,3.8s
MOS X 13 21 37 21.0–1.2 43.41N 46.26E 11 4.8b,3.8s
NEIC X 13 21 37 22.1–.19 43.39N 46.25E 10 4.6b,3.8s
IDC X 13 21 37 25.4–2.1 43.22N 46.17E 33–18 4.3,4.3
DJA X 13 21 37 27 43.46N 46.08E 41 4.8b,4.3
SZGRF X 13 21 37 28.0 43.58N 45.73E 33 4.5b,4.3
NNC X 13 21 37 35.5–5.2 43.65N 47.26E 47–42 4.4b,4.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=12.2.
MOS Error ellipse: s-maj=5.0km s-min=3.1km az=132.3.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.0km az=177.0.
IDC Error ellipse: s-maj=11.4km s-min=7.4km az=141.0.
SZGRF Eastern Caucasus.
NNC Error ellipse: s-maj=44.9km s-min=36.2km az=147.0.
ISC X 14 00 49 05.7–.53 43.27N–.04 46.19E–.03 4–3 112 0-3
MOS X 14 00 49 07.0–1.0 43.14N 46.13E 20 3.9b ¶13396976
CSEM X 14 00 49 07.0 43.14N 46.13E 20 3.9b
MOS Error ellipse: s-maj=10.2km s-min=5.9km az=30.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 14 08 01 35.5–.45 43.23N–.03 46.19E–.03 8–3 103 0-11
CSEM X 14 08 01 35.2–.27 43.21N 46.16E 10 4.2b ¶11748789
MOS X 14 08 01 36.9–1.1 43.09N 46.18E 19 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=3.1km az=19.0.
MOS Error ellipse: s-maj=9.1km s-min=5.6km az=32.4.
ISC X 14 15 06 49.4–.32 43.41N–.02 46.33E–.01 9–2 4.6b,3.8s 980 0-134
IDC X 14 15 06 47.4–.37 43.30N 46.22E 0 4.7L,4.6 ¶13397051
MOS X 14 15 06 48.8–1.4 43.46N 46.32E 16 5.0b,4.6
ISCJB X 14 15 06 49.1–.42 43.47N–.02 46.35E–.02 18–3 4.6b,3.8s
CSEM X 14 15 06 49.5–.08 43.38N 46.28E 10 4.7b,3.4s
BJI X 14 15 06 49.6 43.87N 46.25E 14 4.9b,4.6s
NEIC X 14 15 06 53.0–.53 43.39N 46.25E 36–5 4.6b,4.6s
NNC X 14 15 06 59.0–4.2 43.79N 47.48E 0 4.7b,4.6s
DJA X 14 15 07 02 43.04N 46.67E 96 4.7b,4.6s
SZGRF X 14 15 07 05.9 43.59N 44.40E 33 4.6b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=8.8km s-min=6.1km az=150.0.
MOS Error ellipse: s-maj=4.1km s-min=2.8km az=38.8.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=8.2.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=21.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=2.9km az=183.0.
NNC Error ellipse: s-maj=72.8km s-min=29.0km az=128.0.
SZGRF Western Caucasus.
ISC X 14 15 28 43.5–.42 43.44N–.02 46.24E–.02 5–3 3.7b 181 0-60
IDC X 14 15 28 41.8–.69 43.28N 46.19E 0 3.8,3.7b ¶11748806
NEIC X 14 15 28 42.0–4.8 43.29N 46.23E 4–33 3.7b,3.7b
ISCJB X 14 15 28 42.1–.43 43.49N–.02 46.29E–.02 6–3 3.7b,3.7b
MOS X 14 15 28 43.8–1.4 43.44N 46.29E 20 4.5b,3.7b
CSEM X 14 15 28 43.9–.14 43.40N 46.23E 10 4.5b,3.7b
NNC X 14 15 28 58.2–8.2 44.42N 47.07E 0 3.6b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=11.0km az=121.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.3km az=160.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=2.0.
MOS Error ellipse: s-maj=5.9km s-min=5.7km az=42.5.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=177.0.
NNC Error ellipse: s-maj=155.7km s-min=57.6km az=142.0.
ISC X 14 16 19 27.7–.92 43.40N–.05 46.32E–.04 11–4 74 0-3
ISCJB X 14 16 19 27.8–.94 43.44N–.05 46.37E–.05 18–6 ¶13397056
MOS X 14 16 19 29.6–.58 43.13N 46.10E 17 3.9b
CSEM X 14 16 19 29.1 43.13N 46.10E 17 3.9b
ISCJB Error ellipse: s-maj=10.0km s-min=4.6km az=32.5.
MOS Error ellipse: s-maj=13.4km s-min=7.8km az=23.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS X 14 16 21 01.1–2.1 42.93N 46.17E 13 3.9b
CSEM X 14 16 21 01.1 42.93N 46.17E 13 3.9b ¶13397057
MOS Error ellipse: s-maj=16.1km s-min=7.4km az=27.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 14 16 43 02.8–.94 43.39N–.05 46.34E–.05 6–4 66 1-3
MOS X 14 16 43 02.3–1.6 43.41N 46.36E 16 3.9b ¶13397060
CSEM X 14 16 43 02.3 43.41N 46.36E 16 3.9b
ISCJB X 14 16 43 03.0–.96 43.43N–.05 46.41E–.06 17–7 3.9b
CSEM After OBN.
ISC X 14 17 06 10.9–.69 43.31N–.04 46.34E–.04 4–4 94 0-3
MOS X 14 17 06 12.1–1.2 43.15N 46.31E 22 3.9b ¶13397063
CSEM X 14 17 06 12.1 43.15N 46.31E 22 3.9b
MOS Error ellipse: s-maj=11.2km s-min=6.8km az=30.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 14 17 35 07.7–.58 43.47N–.03 46.32E–.03 5–3 96 0-11
ISCJB X 14 17 35 09.3–.73 43.44N–.05 46.32E–.04 17–5 ¶11748812
MOS X 14 17 35 09.5–2.2 43.33N 46.23E 18 4.1b
CSEM X 14 17 35 10.2–.27 43.18N 46.12E 2 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=3.4km az=27.8.
MOS Error ellipse: s-maj=9.2km s-min=6.6km az=29.9.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=3.1km az=19.0.
ISC X 15 02 07 01.0–.66 43.28N–.04 46.28E–.04 2–4 84 0-3
MOS X 15 02 07 01.3–1.4 43.21N 46.26E 15 3.9b ¶13397112
CSEM X 15 02 07 01.3 43.21N 46.26E 15 3.9b
MOS Error ellipse: s-maj=10.3km s-min=7.0km az=20.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 15 03 16 28.9–.51 43.33N–.03 46.23E–.02 4–3 115 0-11
CSEM X 15 03 16 28.6–.21 43.28N 46.20E 2 4.2b ¶11748839
MOS X 15 03 16 29.7–1.5 43.20N 46.15E 13 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=2.5km az=20.0.
MOS Error ellipse: s-maj=9.5km s-min=5.5km az=30.2.
ISC X 15 06 32 52.7–.53 43.24N–.03 46.13E–.03 2–4 90 0-3
MOS X 15 06 32 52.6–1.1 43.23N 46.14E 17 3.9b ¶13397128
CSEM X 15 06 32 52.6 43.23N 46.14E 17 3.9b
MOS Error ellipse: s-maj=10.1km s-min=7.2km az=21.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 15 08 35 53.1–.44 43.27N–.03 46.22E–.03 2–3 124 0-11
CSEM X 15 08 35 53.3–.25 43.21N 46.15E 10 4.4b ¶11748850
MOS X 15 08 35 54.0–1.4 43.18N 46.15E 14 4.4b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.0km az=19.0.
MOS Error ellipse: s-maj=8.8km s-min=5.4km az=33.7.
ISC X 15 10 32 58.9–.52 43.23N–.03 46.20E–.03 0–4 91 0-2
MOS X 15 10 32 59.3–1.7 43.21N 46.20E 18 3.8b ¶13397146
CSEM X 15 10 32 59.3 43.21N 46.20E 18 3.8b
MOS Error ellipse: s-maj=9.8km s-min=6.4km az=35.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 15 11 06 46.1–.59 43.28N–.04 46.20E–.04 1–4 77 0-3
MOS X 15 11 06 46.7–1.4 43.21N 46.21E 21 3.9b ¶13397148
CSEM X 15 11 06 46.7 43.21N 46.21E 21 3.9b
MOS Error ellipse: s-maj=12.4km s-min=7.1km az=25.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 15 15 51 04.5–.40 43.42N–.02 46.28E–.02 5–3 3.6b 214 0-49
ISCJB X 15 15 51 03.2–.40 43.48N–.02 46.31E–.02 5–3 3.6b ¶13397165
IDC X 15 15 51 03.3–.70 43.23N 46.02E 0 3.8,3.8
NEIC X 15 15 51 04.5–.58 43.30N 46.14E 10 3.9b,3.8
CSEM X 15 15 51 04.1–.33 43.41N 46.25E 1–2 4.5b,3.8
MOS X 15 15 51 04.9–1.5 43.43N 46.29E 21 4.5b,3.8
NNC X 15 15 51 17.6–3.5 43.25N 48.39E 0 3.9b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=12.9.
IDC Error ellipse: s-maj=17.1km s-min=8.8km az=117.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.8km az=161.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=14.0.
MOS Error ellipse: s-maj=6.0km s-min=5.3km az=131.7.
NNC Error ellipse: s-maj=110.4km s-min=24.6km az=138.0.
ISC X 15 23 51 03.7–.70 43.36N–.04 46.37E–.04 4–3 88 0-3
MOS X 15 23 51 04.9–1.4 43.26N 46.30E 17 3.9b ¶13397206
CSEM X 15 23 51 04.9 43.26N 46.30E 17 3.9b
MOS Error ellipse: s-maj=9.2km s-min=6.8km az=29.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 16 05 56 11.1–.50 43.22N–.03 46.17E–.03 1–4 91 0-3
MOS X 16 05 56 11.4–2.5 43.11N 46.17E 18 3.9b ¶11748900
CSEM X 16 05 56 11.4 43.11N 46.17E 18 3.9b
MOS Error ellipse: s-maj=10.8km s-min=6.3km az=28.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 16 09 46 01.3–.53 43.34N–.04 46.27E–.03 6–3 90 0-11
ISCJB X 16 09 45 60.0–.52 43.41N–.03 46.32E–.03 7–4 ¶13397247
CSEM X 16 09 46 02.3–.21 43.15N 46.15E 2 4.1b
MOS X 16 09 46 03.2–.67 43.18N 46.23E 22 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.1km az=22.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=2.8km az=17.0.
MOS Error ellipse: s-maj=14.4km s-min=7.9km az=11.5.
ISC X 16 10 00 16.2–.57 43.29N–.04 46.29E–.03 3–4 82 0-11
CSEM X 16 10 00 16.3–.21 43.23N 46.24E 12 3.9b ¶11748918
MOS X 16 10 00 16.9–1.2 43.20N 46.23E 16 3.9b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.5km az=22.0.
MOS Error ellipse: s-maj=11.2km s-min=7.6km az=21.7.
ISC X 16 16 51 30.0–.52 43.18N–.04 46.20E–.03 7–5 64 0-11
CSEM X 16 16 51 29.5–.23 43.16N 46.17E 2 3.9b ¶11748946
ISCJB X 16 16 51 30.1–.64 43.26N–.05 46.31E–.04 17–7 3.9b
MOS X 16 16 51 30.4–3.1 43.08N 46.18E 18 3.9b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=2.8km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.8km az=26.7.
MOS Error ellipse: s-maj=14.3km s-min=7.2km az=23.2.
ISC X 17 04 02 35.4–.47 43.20N–.03 46.14E–.02 7–4 103 0-11
CSEM X 17 04 02 34.8–.22 43.22N 46.16E 10 4.3b ¶11748961
MOS X 17 04 02 36.4–1.2 43.15N 46.16E 24 4.3b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=2.7km az=23.0.
MOS Error ellipse: s-maj=11.7km s-min=7.1km az=31.6.
ISC X 17 04 05 31.0–.55 43.27N–.04 46.20E–.04 3–4 99 0-11
MOS X 17 04 05 31.7–2.3 43.18N 46.13E 17 4.4b ¶11748962
CSEM X 17 04 05 31.7 43.18N 46.13E 17 4.4b
MOS Error ellipse: s-maj=10.6km s-min=6.2km az=35.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.

ISC	**X**	**17 18 47 09.9–.40**	**43.36N–.02**	**46.23E–.02**	**6–3**	**3.6b**	**164**	**0-51**
IDC	X	17 18 47 06.5–1.4	43.05N	45.99E	0	3.9,3.8b		¶13397351
ISCJB	X	17 18 47 08.5–.41	43.43N–.02	46.27E–.02	8–3	3.6b,3.8b		
MOS	X	17 18 47 08.7–2.2	43.43N	46.27E	14	4.5b,3.8b		
CSEM	X	17 18 47 09.7–.18	43.31N	46.19E	10	4.5b,3.8b		
NEIC	X	17 18 47 09.1–.65	43.32N	46.12E	10	3.7b,3.8b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=27.9km s-min=18.1km az=169.0.						
ISCJB		Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=21.4.						
MOS		Error ellipse: s-maj=6.2km s-min=5.1km az=122.6.						
CSEM		Event type ke. Error ellipse: s-maj=5.8km s-min=3.0km az=21.0.						
NEIC		Event type se. Error ellipse: s-maj=13.8km s-min=9.4km az=167.0.						
ISC	**X**	**17 18 53 17.2–.39**	**43.44N–.02**	**46.24E–.02**	**8–2**	**4.2b,2.9s**	**296**	**0-60**
IDC	X	17 18 53 14.3–.95	43.14N	46.12E	0	4.1,4.0		¶11661377
ISCJB	X	17 18 53 15.6–.39	43.49N–.02	46.26E–.02	8–2	4.2b,2.9s		
CSEM	X	17 18 53 16.9–.12	43.43N	46.22E	10	4.2b,2.9s		
NEIC	X	17 18 53 16.0–3.8	43.41N	46.14E	10–25	4.1b,2.9s		
MOS	X	17 18 53 16.8–1.5	43.44N	46.23E	19	4.6b,2.9s		
SZGRF	X	17 18 53 33.8	43.45N	45.08E	33	4.0b,2.9s		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=21.1km s-min=11.4km az=3.0.						
ISCJB		Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=17.6.						
CSEM		Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=13.0.						
NEIC		Event type se. Error ellipse: s-maj=9.9km s-min=5.9km az=177.0.						
MOS		Error ellipse: s-maj=5.2km s-min=4.7km az=130.1.						
SZGRF		Eastern Caucasus.						
ISC	**X**	**17 19 03 08.2–.69**	**43.35N–.05**	**46.24E–.04**	**3–4**		**70**	**0-3**
MOS	X	17 19 03 08.6–1.2	43.25N	46.20E	14	3.8b		¶13397354
CSEM	X	17 19 03 08.6	43.25N	46.20E	14	3.8b		
MOS		Error ellipse: s-maj=13.6km s-min=7.6km az=10.2.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**17 20 16 53.4–.49**	**43.28N–.03**	**46.27E–.03**	**3–3**		**103**	**0-11**
CSEM	X	17 20 16 53.3–.19	43.22N	46.21E	5	4.2b		¶11749005
MOS	X	17 20 16 53.6–1.3	43.21N	46.23E	16	4.2b		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=5.7km s-min=2.2km az=21.0.						
MOS		Error ellipse: s-maj=9.9km s-min=6.2km az=29.7.						
ISC	**X**	**17 20 21 33.4–.62**	**43.14N–.03**	**46.35E–.05**	**14–6**		**51**	**0-3**
ISCJB	X	17 20 21 33.9–.81	43.12N–.06	46.41E–.04	33			¶13397357
MOS	X	17 20 21 34.7–1.5	42.89N	46.38E	14	3.9b		
CSEM	X	17 20 21 34.7	42.89N	46.38E	14	3.9b		
ISCJB		Error ellipse: s-maj=8.3km s-min=4.3km az=5.9.						
MOS		Error ellipse: s-maj=12.0km s-min=10.4km az=38.2.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**17 22 27 45.5–.46**	**43.28N–.03**	**46.19E–.03**	**2–3**		**108**	**0-11**
CSEM	X	17 22 27 45.1–.20	43.26N	46.18E	2	3.9b		¶11749010
MOS	X	17 22 27 46.1–1.2	43.20N	46.20E	19	3.9b		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=5.6km s-min=2.2km az=22.0.						
MOS		Error ellipse: s-maj=9.9km s-min=6.3km az=31.5.						
ISC	**X**	**18 00 25 51.5–.56**	**43.33N–.04**	**46.25E–.03**	**2–3**		**104**	**0-3**
MOS	X	18 00 25 51.7–1.9	43.28N	46.19E	15	3.9b		¶13397375
CSEM	X	18 00 25 51.7	43.28N	46.19E	15	3.9b		
MOS		Error ellipse: s-maj=9.0km s-min=6.0km az=33.0.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**18 02 29 55.3–.45**	**43.20N–.03**	**46.17E–.02**	**7–3**		**105**	**0-3**
MOS	X	18 02 29 55.1–.90	43.14N	46.13E	13	3.9b		¶13397382
CSEM	X	18 02 29 55.0	43.14N	46.13E	13	3.9b		
MOS		Error ellipse: s-maj=10.8km s-min=6.0km az=30.5.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**18 05 09 43.4–.38**	**43.37N–.02**	**46.32E–.02**	**5–3**	**3.8b**	**190**	**0-58**
ISCJB	X	18 05 09 41.6–.39	43.43N–.02	46.35E–.02	4–2	3.8b		¶11749023
IDC	X	18 05 09 41.3–1.4	43.23N	46.00E	0	3.9b,3.9		
TEH	X	18 05 09 43.8	43.49N	46.19E	15	3.9b,3.9		
CSEM	X	18 05 09 43.5–.16	43.32N	46.28E	12	4.0b,3.9		
MOS	X	18 05 09 43.2–1.3	43.41N	46.29E	15	4.5b,3.9		
NEIC	X	18 05 09 45.0–.71	43.60N	46.10E	10	3.8b,3.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=28.8.						
IDC		Error ellipse: s-maj=28.1km s-min=16.5km az=151.0.						
CSEM		Event type ke. Error ellipse: s-maj=5.0km s-min=2.7km az=31.0.						
MOS		Error ellipse: s-maj=6.2km s-min=4.8km az=119.8.						
NEIC		Event type se. Error ellipse: s-maj=13.4km s-min=9.5km az=152.0.						
ISC	**X**	**18 05 19 49.1–.72**	**43.33N–.05**	**46.32E–.05**	**4–5**		**67**	**0-3**
MOS	X	18 05 19 50.2–2.4	43.14N	46.25E	14	3.9b		¶13397388
CSEM	X	18 05 19 50.2	43.14N	46.25E	14	3.9b		
MOS		Error ellipse: s-maj=14.8km s-min=7.1km az=31.0.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**18 12 00 07.9–.40**	**43.40N–.02**	**46.31E–.02**	**3–3**	**3.6b**	**197**	**0-58**
ISCJB	X	18 12 00 06.5–.39	43.44N–.02	46.34E–.02	4–3	3.6b		¶13397409
IDC	X	18 12 00 06.9–.72	43.42N	46.06E	0	3.9,3.8L		
CSEM	X	18 12 00 07.4–.17	43.38N	46.28E	2	4.5b,4.0b		
NEIC	X	18 12 00 07.1–.79	43.25N	46.19E	10	3.8b,4.0b		
MOS	X	18 12 00 08.2–1.3	43.40N	46.28E	19	4.5b,4.0b		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=23.8.						
IDC		Error ellipse: s-maj=17.1km s-min=10.3km az=118.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.9km s-min=3.1km az=24.0.						
NEIC		Event type se. Error ellipse: s-maj=18.1km s-min=8.2km az=168.0.						
MOS		Error ellipse: s-maj=6.3km s-min=4.9km az=126.8.						
ISC	**X**	**18 13 03 23.9–.54**	**43.35N–.03**	**46.30E–.03**	**3–3**		**101**	**0-11**
CSEM	X	18 13 03 24.0–.28	43.30N	46.27E	2	4.2b		¶11749041
MOS	X	18 13 03 25.2–2.0	43.26N	46.24E	21	4.2b		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=7.9km s-min=2.7km az=26.0.						
MOS		Error ellipse: s-maj=9.5km s-min=6.0km az=40.5.						
ISC	**X**	**18 13 21 15.1–.38**	**43.43N–.02**	**46.21E–.02**	**8–2**	**4.1b**	**314**	**0-72**
IDC	X	18 13 21 12.7–.56	43.22N	46.02E	0	4.0,3.9b		¶13397417
ISCJB	X	18 13 21 13.7–.38	43.47N–.02	46.26E–.02	9–2	4.1b,3.9b		
CSEM	X	18 13 21 14.3–.11	43.43N	46.18E	5	4.6b,4.2b		
MOS	X	18 13 21 14.2–1.3	43.46N	46.21E	13	4.6b,4.2b		
NEIC	X	18 13 21 15.1–3.2	43.32N	46.10E	14–21	4.2b,4.2b		
NNC	X	18 13 21 19.7–3.5	43.38N	47.07E	0	3.9b,4.2b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=14.2km s-min=7.8km az=116.0.						
ISCJB		Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=23.3.						
CSEM		Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=20.0.						
MOS		Error ellipse: s-maj=5.1km s-min=4.3km az=128.1.						
NEIC		Event type se. Error ellipse: s-maj=8.0km s-min=4.7km az=183.0.						
NNC		Error ellipse: s-maj=45.4km s-min=34.7km az=139.0.						
ISC	**X**	**18 21 46 14.2–.68**	**43.24N–.04**	**46.18E–.04**	**0–4**		**80**	**0-2**
MOS	X	18 21 46 15.4–1.5	43.21N	46.14E	23	3.8b		¶13397445
CSEM	X	18 21 46 15.4	43.21N	46.14E	23	3.8b		
MOS		Error ellipse: s-maj=10.8km s-min=7.5km az=32.7.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**19 12 27 43.9–.60**	**43.32N–.04**	**46.24E–.03**	**1–4**		**83**	**0-11**
CSEM	X	19 12 27 43.9–.25	43.27N	46.17E	5	3.9b		¶11749077
MOS	X	19 12 27 45.7–1.3	43.16N	46.17E	22	3.9b		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=6.5km s-min=2.7km az=24.0.						
MOS		Error ellipse: s-maj=11.3km s-min=7.0km az=25.0.						
ISC	**X**	**19 15 36 25.2–.41**	**43.23N–.04**	**45.84E–.02**	**12–3**		**85**	**1-11**
CSEM	X	19 15 36 24.2–.20	43.15N	45.78E	30	3.9b		¶11749084
MOS	X	19 15 36 24.4–.62	43.20N	45.79E	12	3.9b		
ISCJB	X	19 15 36 25.4–.50	43.30N–.05	45.89E–.03	22–5	3.9b		
ISC		Event type ke.						
CSEM		Event type ke.						
ISCJB		Event type ke.						
ISC	**X**	**19 18 48 17.5–.43**	**43.25N–.03**	**46.15E–.02**	**3–3**		**110**	**0-11**
CSEM	X	19 18 48 17.2–.19	43.20N	46.10E	10	3.9b		¶11749090
MOS	X	19 18 48 17.6–1.2	43.22N	46.10E	15	3.9b		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=6.1km s-min=2.2km az=21.0.						
MOS		Error ellipse: s-maj=9.4km s-min=5.6km az=35.3.						
ISC	**X**	**19 21 46 54.1–.35**	**43.41N–.02**	**46.21E–.02**	**7–2**	**4.3b,3.3s**	**520**	**0-74**
IDC	X	19 21 46 51.9–.49	43.23N	46.11E	0	4.2,4.1		¶13397540
MOS	X	19 21 46 53.9–1.0	43.44N	46.22E	19	4.7b,4.1		
NEIC	X	19 21 46 53.8–2.6	43.28N	46.05E	13–17	4.4b,4.1		
BJI	X	19 21 46 54.1	43.40N	46.30E	15	4.7b,4.3b		
CSEM	X	19 21 46 54.2–.09	43.39N	46.20E	10	4.7b,4.4b		
ISCJB	X	19 21 46 54.0–.42	43.46N–.02	46.25E–.02	19–3	4.3b,3.3s		
SZGRF	X	19 21 47 00.2	43.53N	45.75E	25	4.3b,3.3s		
NNC	X	19 21 47 05.0–3.8	43.71N	47.58E	0	4.3b,3.3s		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=11.3km s-min=8.6km az=134.0.						
MOS		Error ellipse: s-maj=5.1km s-min=3.6km az=42.1.						
NEIC		Event type se. Error ellipse: s-maj=6.7km s-min=3.7km az=185.0.						
CSEM		Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=22.0.						
ISCJB		Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=21.1.						
SZGRF		Eastern Caucasus.						
NNC		Error ellipse: s-maj=57.7km s-min=26.3km az=134.0.						
ISC	**X**	**19 21 50 44.8–.36**	**43.36N–.02**	**46.20E–.02**	**7–2**	**3.9b**	**192**	**0-51**
IDC	X	19 21 50 42.2–.74	43.20N	46.03E	0	4.0,4.0		¶12069080
ISCJB	X	19 21 50 43.4–.38	43.43N–.02	46.24E–.02	8–2	3.9b,4.0		
NEIC	X	19 21 50 43.9–.53	43.27N	46.10E	10	3.6b,4.0		
CSEM	X	19 21 50 44.6–.14	43.35N	46.19E	10	4.0b,4.0		
MOS	X	19 21 50 44.3–1.3	43.41N	46.20E	16	4.3b,4.0		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=17.7km s-min=11.0km az=117.0.						
ISCJB		Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=17.8.						
NEIC		Event type se. Error ellipse: s-maj=11.6km s-min=8.3km az=178.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=19.0.						
MOS		Error ellipse: s-maj=6.1km s-min=4.9km az=43.0.						
ISC	**X**	**20 01 00 37.9–.47**	**43.18N–.03**	**46.22E–.03**	**10–4**		**95**	**0-3**
MOS	X	20 01 00 37.4–1.0	43.18N	46.26E	16	3.9b		¶13397550
CSEM	X	20 01 00 37.4	43.18N	46.26E	16	3.9b		
MOS		Error ellipse: s-maj=10.1km s-min=6.7km az=28.1.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**20 06 27 53.0–.37**	**43.41N–.02**	**46.29E–.02**	**7–2**	**4.4b,3.5s**	**373**	**0-134**
ISCJB	X	20 06 27 51.7–.37	43.47N–.02	46.34E–.02	9–2	4.4b,3.5s		¶13397575
NEIC	X	20 06 27 52.8–.36	43.32N	46.15E	10	4.7b,3.5s		
CSEM	X	20 06 27 52.2–.10	43.39N	46.29E	2	4.7b,3.5s		
MOS	X	20 06 27 52.3–1.4	43.44N	46.28E	14	4.8b,3.5s		
TEH	X	20 06 27 53.1	43.41N	46.20E	10	4.8b,3.5s		
IDC	X	20 06 27 55.2–1.4	43.26N	46.14E	33–13	4.1,4.0		
NNC	X	20 06 28 04.8–1.2	43.80N	47.60E	0	4.2b,4.0		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=21.3.						
NEIC		Event type se. Error ellipse: s-maj=9.4km s-min=6.0km az=186.0.						
CSEM		Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=23.0.						
MOS		Error ellipse: s-maj=5.1km s-min=4.3km az=126.5.						
IDC		Error ellipse: s-maj=10.7km s-min=7.7km az=126.0.						
NNC		Error ellipse: s-maj=19.2km s-min=8.4km az=133.0.						
ISC	**X**	**20 11 09 53.6–.41**	**43.23N–.03**	**46.22E–.03**	**1–4**		**120**	**0-11**
CSEM	X	20 11 09 53.1–.23	43.18N	46.19E	5	3.9b		¶11749117
MOS	X	20 11 09 53.4–1.4	43.18N	46.24E	17	3.9b		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=7.2km s-min=2.7km az=21.0.						
MOS		Error ellipse: s-maj=10.1km s-min=6.1km az=30.2.						
ISC	**X**	**20 13 27 55.7–.43**	**43.21N–.03**	**46.13E–.03**	**0–4**		**105**	**0-3**
MOS	X	20 13 27 55.7–1.0	43.12N	46.09E	14	4.1b		¶13397601
CSEM	X	20 13 27 55.7	43.12N	46.09E	14	4.1b		
MOS		Error ellipse: s-maj=11.0km s-min=6.3km az=26.7.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**20 20 16 59.6–.45**	**43.17N–.03**	**46.14E–.03**	**7–4**		**91**	**0-3**
MOS	X	20 20 16 59.3–1.4	43.17N	46.15E	14	3.9b		¶13397631
CSEM	X	20 20 16 59.3	43.17N	46.15E	14	3.9b		
MOS		Error ellipse: s-maj=11.4km s-min=6.4km az=29.7.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**20 23 10 02.7–.32**	**43.26N–.02**	**46.24E–.02**	**6–2**	**3.7b**	**218**	**0-49**
IDC	X	20 23 10 00.7–.77	43.23N	45.98E	0	3.9b,3.9		¶11749147
ISCJB	X	20 23 10 01.2–.34	43.29N–.02	46.25E–.02	4–2	3.7b,3.9		
CSEM	X	20 23 10 02.3–.16	43.30N	46.26E	2	4.5b,3.9		
MOS	X	20 23 10 02.1–1.2	43.30N	46.25E	12	4.5b,3.9		
NEIC	X	20 23 10 03.1–.49	43.37N	46.05E	10	3.9b,3.9		
DDA	X	20 23 10 23.5	42.21N	44.39E	7–3	3.9,3.9		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=19.8km s-min=9.0km az=110.0.						
ISCJB		Event type ke. Error ellipse: s-maj=3.4km s-min=1.9km az=23.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=25.0.						
MOS		Error ellipse: s-maj=6.3km s-min=4.7km az=133.0.						
NEIC		Event type se. Error ellipse: s-maj=10.4km s-min=6.8km az=170.0.						
ISC	**X**	**21 11 30 53.4–.45**	**43.05N–.04**	**46.19E–.03**	**35**		**66**	**0-3**
MOS	X	21 11 30 51.4–.64	42.84N	46.06E	16	3.9b		¶13581612
CSEM	X	21 11 30 51.0	42.84N	46.06E	16	3.9b		
ISCJB	X	21 11 30 53.2–.43	43.02N–.04	46.17E–.03	33	3.9b		
CSEM		After OBN.						
ISC	**X**	**22 11 28 29.0–.76**	**43.25N–.05**	**46.18E–.05**	**12–5**		**58**	**0-2**
ISCJB	X	22 11 28 29.8–.80	43.24N–.06	46.21E–.05	17–7			¶13581614
MOS	X	22 11 28 29.5–1.6	43.20N	46.16E	23	3.9b		
CSEM	X	22 11 28 29.5	43.20N	46.16E	23	3.9b		
ISCJB		Error ellipse: s-maj=11.0km s-min=3.9km az=28.0.						
MOS		Error ellipse: s-maj=14.7km s-min=8.8km az=21.8.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**22 16 04 46.7–.49**	**43.30N–.04**	**46.22E–.03**	**8–3**		**109**	**0-11**
ISCJB	X	22 16 04 46.1–.49	43.26N–.04	46.18E–.03	3–3			¶11749234
MOS	X	22 16 04 46.9–2.4	43.23N	46.08E	13	4.4b		
CSEM	X	22 16 04 47.5–.24	43.12N	46.07E	2	4.4b		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=7.6km s-min=2.4km az=25.9.						
MOS		Error ellipse: s-maj=10.9km s-min=6.1km az=33.7.						
CSEM		Event type ke. Error ellipse: s-maj=7.8km s-min=3.2km az=24.0.						
ISC	**X**	**23 01 18 56.4–.49**	**43.16N–.03**	**46.11E–.03**	**10–4**		**77**	**0-3**
ISCJB	X	23 01 18 55.6–.50	43.15N–.03	46.09E–.03	4–5			¶13581615
MOS	X	23 01 18 56.2–1.6	43.11N	46.12E	18	3.9b		
CSEM	X	23 01 18 56.2	43.11N	46.12E	18	3.9b		
ISCJB		Error ellipse: s-maj=5.0km s-min=2.8km az=26.9.						
MOS		Error ellipse: s-maj=12.4km s-min=7.4km az=26.3.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**23 08 33 21.7–.61**	**43.27N–.04**	**46.33E–.04**	**6–4**		**79**	**0-3**
MOS	X	23 08 33 22.7–2.2	43.17N	46.35E	15	4.1b		¶13581616
CSEM	X	23 08 33 22.7	43.17N	46.35E	15	4.1b		
MOS		Error ellipse: s-maj=10.3km s-min=7.1km az=36.0.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**23 22 22 09.7–.43**	**43.18N–.03**	**46.20E–.02**	**12–4**		**85**	**0-3**
ISCJB	X	23 22 22 09.0–.42	43.16N–.03	46.17E–.02	6–4			¶13581617
MOS	X	23 22 22 09.2–1.5	43.18N	46.25E	15	3.9b		
CSEM	X	23 22 22 09.2	43.18N	46.25E	15	3.9b		
ISCJB		Error ellipse: s-maj=4.9km s-min=2.5km az=18.9.						
MOS		Error ellipse: s-maj=10.5km s-min=6.8km az=29.0.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**24 14 44 29.6–.55**	**43.20N–.03**	**46.17E–.03**	**8–4**		**83**	**0-3**
ISCJB	X	24 14 44 29.1–.53	43.17N–.03	46.13E–.03	3–4			¶13581619
MOS	X	24 14 44 29.9–1.6	43.13N	46.20E	19	4.1b		
CSEM	X	24 14 44 29.9	43.13N	46.20E	19	4.1b		
ISCJB		Error ellipse: s-maj=5.4km s-min=2.8km az=16.3.						
MOS		Error ellipse: s-maj=11.3km s-min=7.0km az=27.8.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.						
ISC	**X**	**24 19 45 15.4–.36**	**43.39N–.02**	**46.28E–.02**	**6–2**	**3.9b**	**233**	**0-51**
IDC	X	24 19 45 12.7–.71	43.23N	46.14E	0	4.0,3.9b		¶13397988
ISCJB	X	24 19 45 13.4–.37	43.45N–.02	46.32E–.02	4–2	3.9b,3.9b		
MOS	X	24 19 45 15.3–1.5	43.39N	46.25E	16	4.6b,3.9b		

CSEM X 24 19 45 15.3–.13 43.35N 46.24E 10 4.0b,3.9b
NEIC X 24 19 45 17.5–3.6 43.33N 46.15E 32–30 3.8b,3.9b
NNC X 24 19 45 29.5–2.0 43.47N 48.22E 0 4.1b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=10.3km az=122.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=20.1.
MOS Error ellipse: s-maj=6.2km s-min=4.5km az=125.9.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=21.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.6km az=177.0.
NNC Error ellipse: s-maj=35.2km s-min=14.4km az=139.0.
ISC X 25 01 22 52.7–.41 43.30N–.03 46.28E–.03 6–3 3.6b 108 0-49
IDC X 25 01 22 50.8–6.9 43.15N 45.87E 0 3.8,3.7b **¶11749385**
ISCJB X 25 01 22 51.1–.43 43.34N–.03 46.31E–.03 6–3 3.6b,3.7b
CSEM X 25 01 22 52.4–.21 43.27N 46.27E 5 4.5b,3.7b
MOS X 25 01 22 52.8–1.5 43.31N 46.26E 21 4.5b,3.7b
NNC X 25 01 23 06.1–6.9 44.21N 46.62E 43–85 3.5b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=133.5km s-min=40.7km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.4km az=26.2.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.1km az=24.0.
MOS Error ellipse: s-maj=9.6km s-min=5.6km az=40.7.
NNC Error ellipse: s-maj=208.3km s-min=53.7km az=141.0.
MOS X 25 04 08 03.0–1.9 43.29N 46.22E 15 3.9b
CSEM X 25 04 08 03.0 43.29N 46.22E 15 3.9b **¶13581620**
MOS Error ellipse: s-maj=11.2km s-min=7.9km az=24.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 25 07 40 03.9–.52 41.75N–.03 45.82E–.03 3–4 69 0-2
NSSP X 25 07 40 00.7 41.82N 42.42E 15 3.0L **¶13581621**
CSEM X 25 07 40 03.1–.24 41.72N 45.83E 2 3.0L
MOS X 25 07 40 04.6–1.2 41.69N 45.75E 17 4.1b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=145.0.
MOS Error ellipse: s-maj=11.7km s-min=6.7km az=98.3.
ISC X 25 11 34 23.2–.49 43.16N–.03 46.25E–.03 10–5 82 0-3
ISCJB X 25 11 34 22.4–.49 43.15N–.03 46.21E–.03 2–5 **¶13581622**
MOS X 25 11 34 23.2–1.2 43.12N 46.29E 19 4.2b
CSEM X 25 11 34 23.2 43.12N 46.29E 19 4.2b
ISCJB Error ellipse: s-maj=5.0km s-min=2.8km az=19.0.
MOS Error ellipse: s-maj=12.1km s-min=8.2km az=26.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 26 18 31 04.8–.43 43.22N–.03 46.21E–.02 8–4 95 0-11
ISCJB X 26 18 31 04.2–.46 43.20N–.03 46.18E–.03 4–4 **¶11749477**
CSEM X 26 18 31 04.2–.18 43.24N 46.22E 10 4.1b
MOS X 26 18 31 04.4–1.3 43.21N 46.24E 12 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.5km az=24.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.2km az=23.0.
MOS Error ellipse: s-maj=9.1km s-min=6.3km az=29.9.
ISC X 27 20 10 29.4–.38 43.40N–.02 46.21E–.02 7–2 4.2b,2.9s 298 0-72
IDC X 27 20 10 27.3–.58 43.22N 46.12E 0 4.1,4.0 **¶11749524**
CSEM X 27 20 10 28.9–.10 43.39N 46.23E 5 4.3b,4.0
ISCJB X 27 20 10 28.2–.39 43.46N–.02 46.24E–.02 9–2 4.2b,2.9s
MOS X 27 20 10 29.2–1.3 43.38N 46.22E 18 4.7b,2.9s
NEIC X 27 20 10 31.6–2.3 43.32N 46.20E 30–18 4.5b,2.9s
NNC X 27 20 10 42.9–3.0 43.18N 48.45E 0 4.1b,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=13.1km s-min=9.5km az=131.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=24.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=24.0.
MOS Error ellipse: s-maj=5.5km s-min=4.1km az=131.5.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.5km az=181.0.
NNC Error ellipse: s-maj=82.0km s-min=17.7km az=126.0.
ISC X 27 21 08 19.8–.37 43.39N–.02 46.22E–.02 6–2 3.8b 258 0-51
IDC X 27 21 08 17.9–.69 43.30N 46.03E 0 3.9,3.8b **¶12071279**
MOS X 27 21 08 18.6–1.2 43.43N 46.22E 11 4.6b,3.8b
ISCJB X 27 21 08 18.6–.36 43.44N–.02 46.25E–.02 10–2 3.8b,3.8b
CSEM X 27 21 08 19.1–.12 43.41N 46.22E 5 3.9b,3.8b
NEIC X 27 21 08 22.5–2.1 43.42N 46.21E 30–17 3.8b,3.8b
NNC X 27 21 08 36.5–6.2 42.87N 49.21E 0 3.9b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=11.5km az=123.0.
MOS Error ellipse: s-maj=5.8km s-min=4.8km az=127.3.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=18.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=20.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.7km az=182.0.
NNC Error ellipse: s-maj=80.0km s-min=51.2km az=97.0.
ISC X 28 19 45 27.8–.51 43.18N–.03 46.21E–.03 9–4 84 0-3
MOS X 28 19 45 26.9–1.1 43.22N 46.25E 13 4.1b **¶13581624**
CSEM X 28 19 45 26.9 43.22N 46.25E 13 4.1b
ISCJB X 28 19 45 27.2–.51 43.15N–.03 46.17E–.03 1–5 4.1b
CSEM After OBN.
ISC X 29 01 19 52.5–.59 43.29N–.05 46.20E–.04 4–4 76 0-3
ISCJB X 29 01 19 52.8–.64 43.32N–.05 46.26E–.04 15–6 **¶13581625**
MOS X 29 01 19 53.0–.66 43.21N 46.24E 23 3.9b
CSEM X 29 01 19 53.0 43.21N 46.24E 23 3.9b
ISCJB Error ellipse: s-maj=8.9km s-min=3.5km az=28.5.
MOS Error ellipse: s-maj=14.3km s-min=8.0km az=9.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC X 30 08 52 14.4–.36 43.37N–.02 46.25E–.02 8–2 3.8b 204 0-51
IDC X 30 08 52 12.2–.71 43.34N 46.33E 0 3.8b,3.8 **¶11749687**
ISCJB X 30 08 52 12.8–.37 43.42N–.02 46.27E–.02 7–2 3.8b,3.8
MOS X 30 08 52 13.9–1.5 43.37N 46.23E 15 4.6b,3.8
CSEM X 30 08 52 14.1–.14 43.34N 46.23E 10 4.0b,3.8
NEIC X 30 08 52 14.4–.64 43.42N 46.30E 10 4.0b,3.8
NNC X 30 08 52 23.1–3.5 44.37N 46.39E 0 3.7b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=9.2km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=21.5.
MOS Error ellipse: s-maj=6.1km s-min=4.9km az=43.1.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=21.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.0km az=160.0.
NNC Error ellipse: s-maj=115.5km s-min=30.5km az=142.0.
ISC X 30 10 08 04.0–.58 43.27N–.04 46.20E–.04 1–4 75 0-3
MOS X 30 10 08 04.1–1.2 43.20N 46.23E 19 3.9b **¶13581627**
CSEM X 30 10 08 04.1 43.20N 46.23E 19 3.9b
MOS Error ellipse: s-maj=12.0km s-min=7.1km az=27.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC XI 01 03 06 40.9–.33 41.27N–.02 45.65E–.03 10 118 0-3
MOS XI 01 03 06 35.9–.78 40.96N 45.50E 12 3.9b **¶13830442**
TIF XI 01 03 06 37.7 41.26N 45.49E 19–1 3.9b
CSEM XI 01 03 06 39.1–.14 41.23N 45.53E 2 3.0L
ISCJB XI 01 03 06 40.4–.33 41.29N–.02 45.67E–.03 10 3.0L
NSSP XI 01 03 06 52.5 41.35N 45.42E 10 2.7s
DDA XI 01 03 07 08.9 41.24N 43.32E 7–8 3.2
ISC Event type ke.
MOS Error ellipse: s-maj=32.1km s-min=7.5km az=107.2.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=38.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=28.3.
CSEM XI 01 03 34 44.5 41.16N 45.23E 0 1.6L
¶15108553
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIF.
MOS XI 02 20 07 07.9–2.7 42.93N 47.30E 10 3.9b
CSEM XI 02 20 07 07.9 42.93N 47.30E 10 3.9b **¶13830456**
MOS Error ellipse: s-maj=13.5km s-min=7.0km az=179.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC XI 08 03 42 13.0–.58 43.39N–.03 45.29E–.03 20–4 63 0-2
ISCJB XI 08 03 42 13.9–.64 43.37N–.04 45.26E–.04 22–6 **¶13832652**
CSEM XI 08 03 42 13.0 43.34N 45.18E 14 4.0b
MOS XI 08 03 42 13.0–.37 43.34N 45.18E 14 4.0b
ISCJB Error ellipse: s-maj=6.5km s-min=4.8km az=15.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=13.1km s-min=8.4km az=179.9.
ISC XI 08 03 48 30.5–.98 43.46N–.03 45.32E–.06 13–4 68 1-2
TIF XI 08 03 48 28.2 43.51N 45.29E 19–4 **¶13832653**
ISCJB XI 08 03 48 29.4–.92 43.45N–.03 45.33E–.05 8–4
CSEM XI 08 03 48 29.1 43.43N 45.28E 13 4.0b
MOS XI 08 03 48 29.7–.55 43.43N 45.28E 13 4.0b
ISCJB Error ellipse: s-maj=6.9km s-min=4.2km az=159.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=11.7km s-min=8.6km az=161.0.
ISC XI 09 23 47 12.0–.39 42.67N–.03 46.33E–.02 4–5 76 0-2
MOS XI 09 23 47 10.9–1.8 42.69N 46.42E 14 3.9b **¶13832677**
CSEM XI 09 23 47 10.9 42.69N 46.42E 14 3.9b
MOS Error ellipse: s-maj=12.2km s-min=7.3km az=23.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC XI 10 13 33 17.8–.58 43.22N–.04 46.16E–.03 2–6 64 0-11
CSEM XI 10 13 33 16.9–.32 43.30N 46.26E 5 4.0b **¶11750389**
MOS XI 10 13 33 16.4–.75 43.27N 46.49E 25 4.0b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=3.8km az=24.0.
MOS Error ellipse: s-maj=17.2km s-min=9.9km az=3.1.
ISC XI 11 06 23 57.2–.49 43.23N–.03 46.24E–.03 4–4 91 0-3
CSEM XI 11 06 23 56.0 43.24N 46.29E 9 3.9b **¶13836523**
MOS XI 11 06 23 56.3–.79 43.24N 46.29E 9 3.9b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=10.1km s-min=6.2km az=36.1.
ISC XI 12 14 35 26.3–.29 40.34N–.02 45.95E–.03 10 67 0-3
ISCJB XI 12 14 35 26.0–.32 40.32N–.02 45.97E–.03 10 **¶13836550**
TIF XI 12 14 35 25.7 40.34N 45.89E 14–1
CSEM XI 12 14 35 26.2–.30 40.32N 45.86E 2 2.9L
NSSP XI 12 14 35 26.1 40.30N 46.02E 11 2.9s
TEH XI 12 14 35 27.7 40.28N 45.64E 10 2.9s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=145.6.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=5.8km az=170.0.
ISC XI 13 02 52 27.7–.39 43.20N–.03 46.14E–.02 9–3 99 0-3
MOS XI 13 02 52 26.5–1.2 43.22N 46.16E 9 3.9b **¶13836576**
CSEM XI 13 02 52 26.5 43.22N 46.16E 9 3.9b
ISCJB XI 13 02 52 27.0–.40 43.17N–.03 46.11E–.02 2–4 3.9b
ISC Event type fe.
MOS Event type fe. Felt (III) at Hasavyurt; (II-III) at Groznyi. Moment Tensor Solution.
CSEM After OBN.
ISCJB Event type fe.
ISC XI 13 03 52 08.8–.46 43.27N–.03 45.76E–.03 14–3 75 0-2
MOS XI 13 03 52 07.8–1.1 43.24N 45.69E 8 4.0b **¶13836577**
CSEM XI 13 03 52 07.8 43.24N 45.69E 8 4.0b
ISCJB XI 13 03 52 08.2–.43 43.24N–.03 45.73E–.03 8–4 4.0b
CSEM After OBN.
ISC XI 13 04 38 48.2–.77 43.27N–.04 46.57E–.04 3–4 78 0-2
MOS XI 13 04 38 46.2–1.2 43.23N 46.70E 9 3.9b **¶13836578**
CSEM XI 13 04 38 46.2 43.23N 46.70E 9 3.9b
MOS Error ellipse: s-maj=8.2km s-min=7.4km az=110.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC XI 13 13 57 14.9–.32 40.34N–.02 45.99E–.02 4–3 111 0-21
MOS XI 13 13 57 12.9–2.4 40.15N 46.03E 10 3.5b **¶13836575**
CSEM XI 13 13 57 15.7–.19 40.30N 45.89E 5 3.2L
TIF XI 13 13 57 15.0 40.32N 45.94E 12–1 3.2L
NSSP XI 13 13 57 15.0 40.30N 46.07E 5 3.2s
ISC Event type ke.
MOS Error ellipse: s-maj=22.5km s-min=13.3km az=103.2.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=14.0.
ISC XI 14 01 42 41.2–.41 43.41N–.02 46.33E–.02 6–3 4.0b,2.8s 291 0-92
MOS XI 14 01 42 39.7–1.1 43.44N 46.38E 8 4.4b,2.8s **¶13400107**
ISCJB XI 14 01 42 39.5–.43 43.48N–.02 46.38E–.02 5–3 4.0b,2.8s
IDC XI 14 01 42 39.4–.64 43.25N 46.06E 0 4.2b,4.2
CSEM XI 14 01 42 41.4–.11 43.39N 46.31E 10 4.4b,4.1b
NEIC XI 14 01 42 41.5–4.4 43.31N 46.20E 15–30 4.0b,4.1b
NNC XI 14 01 42 51.9–3.5 43.43N 47.23E 38–33 3.9b,4.1b
ISC Event type ke.
MOS Error ellipse: s-maj=5.1km s-min=4.8km az=12.2.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=13.8.
IDC Error ellipse: s-maj=15.0km s-min=9.8km az=122.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=14.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.8km az=180.0.
NNC Error ellipse: s-maj=39.9km s-min=20.1km az=122.0.
ISC XI 14 04 34 13.4–.55 43.18N–.03 46.15E–.03 11–4 83 0-3
ISCJB XI 14 04 34 12.8–.52 43.16N–.03 46.12E–.03 6–4 **¶13836599**
MOS XI 14 04 34 12.8–.73 43.16N 46.14E 7 3.7b
CSEM XI 14 04 34 12.1 43.16N 46.14E 7 3.7b
ISCJB Error ellipse: s-maj=5.8km s-min=2.6km az=32.1.
MOS Error ellipse: s-maj=10.4km s-min=7.1km az=27.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC XI 14 22 54 11.2–.50 43.23N–.03 46.25E–.03 3–4 90 0-2
CSEM XI 14 22 54 10.6 43.19N 46.25E 6 3.7b **¶13836600**
MOS XI 14 22 54 10.6–1.0 43.19N 46.25E 6 3.7b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=9.4km s-min=6.2km az=29.0.
ISC XI 15 12 37 37.4–.41 43.20N–.03 46.12E–.02 8–3 102 0-3
ISCJB XI 15 12 37 36.7–.41 43.18N–.03 46.10E–.02 0–4 **¶13836620**
CSEM XI 15 12 37 36.8 43.19N 46.08E 10 4.1b
MOS XI 15 12 37 36.8–1.3 43.19N 46.08E 10 4.1b
ISCJB Error ellipse: s-maj=4.7km s-min=2.1km az=19.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=9.9km s-min=6.0km az=28.2.
ISC XI 15 16 13 16.7–.86 43.13N–.04 45.73E–.03 28–7 81 0-2
CSEM XI 15 16 13 15.4 43.03N 45.65E 21 3.9b **¶13836621**
MOS XI 15 16 13 15.4–1.4 43.03N 45.65E 21 3.9b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=12.3km s-min=7.0km az=24.6.
ISC XI 15 16 46 17.9–.73 43.41N–.05 46.17E–.04 8–4 73 0-3
ISCJB XI 15 16 46 17.0–.71 43.43N–.05 46.16E–.04 6–4 **¶13836622**
CSEM XI 15 16 46 17.7–.38 43.45N 46.14E 10 4.3b
MOS XI 15 16 46 17.8–1.2 43.32N 46.09E 8 4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.3km az=10.6.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=4.7km az=16.0.
MOS Error ellipse: s-maj=14.6km s-min=7.7km az=174.6.
ISC XI 15 16 48 09.3–.77 43.39N–.06 46.17E–.04 9–4 58 0-2
ISCJB XI 15 16 48 08.4–.74 43.37N–.06 46.18E–.04 6–4 **¶13836623**
CSEM XI 15 16 48 10.0 43.24N 46.02E 8 4.0b
MOS XI 15 16 48 10.2–.99 43.24N 46.02E 8 4.0b
ISCJB Error ellipse: s-maj=9.9km s-min=4.3km az=13.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=18.3km s-min=9.1km az=0.6.
ISC XI 15 19 57 53.5–.66 43.32N–.05 46.26E–.04 3–4 89 0-3
CSEM XI 15 19 57 53.9 43.21N 46.19E 8 3.8b **¶13836624**
MOS XI 15 19 57 53.9–1.1 43.21N 46.19E 8 3.8b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=10.5km s-min=6.4km az=25.4.
ISC XI 16 15 37 38.6–.65 43.33N–.04 46.34E–.03 1–4 93 0-11
CSEM XI 16 15 37 39.5–.28 43.23N 46.24E 5 4.2b **¶11750725**
MOS XI 16 15 37 39.4–1.1 43.21N 46.27E 10 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=3.1km az=23.0.
MOS Error ellipse: s-maj=10.1km s-min=6.9km az=29.2.
ISC XI 17 03 34 56.5–.92 41.08N–.04 46.01E–.07 15–5 46 1-2
NSSP XI 17 03 34 54.4 40.97N 46.12E 13 3.0s **¶13836658**
TIF XI 17 03 34 56.4 41.04N 45.91E 13–2 3.0s
CSEM XI 17 03 34 58.1–.58 41.05N 45.93E 2 3.1L
ISCJB XI 17 03 34 59.9–.84 41.05N–.05 45.91E–.08 33 3.1L
ISC Event type ke.
CSEM Event type ke.

ISCJB Event type ke.
ISC XI 17 21 56 31.8–.35 42.96N–.03 45.93E–.03 17–3 106 0-2
CSEM XI 17 21 56 30.8–.19 42.89N 45.85E 2 4.2b ¶13836659
MOS XI 17 21 56 30.7–1.1 42.89N 45.89E 9 4.2b
ISCJB XI 17 21 56 32.2–.39 42.95N–.03 45.93E–.03 20–5 4.2b
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XI 19 00 15 25.6–.60 43.22N–.04 45.89E–.03 108–5 118 0-11
ISCJB XI 19 00 15 24.9–.60 43.22N–.04 45.89E–.03 110–5 ¶11750825
CSEM XI 19 00 15 25.1–.26 43.23N 45.91E 109–2 3.9b
MOS XI 19 00 15 26.4–.67 43.13N 45.83E 86 3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.4km az=10.3.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.2km az=6.0.
MOS Error ellipse: s-maj=12.8km s-min=8.7km az=23.9.
ISC XI 21 07 36 20.2–.45 43.24N–.03 46.24E–.03 4–3 121 0-13
CSEM XI 21 07 36 20.4–.25 43.17N 46.17E 5 4.2b ¶11750966
MOS XI 21 07 36 20.6–1.3 43.21N 46.20E 13 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=3.1km az=21.0.
MOS Error ellipse: s-maj=8.6km s-min=5.6km az=34.2.
ISC XI 21 12 30 23.5–.49 43.32N–.05 45.72E–.03 7–3 89 0-3
TIF XI 21 12 30 20.4 43.38N 45.73E 10–4 ¶13836756
ISCJB XI 21 12 30 23.0–.44 43.28N–.04 45.71E–.02 1–4
MOS XI 21 12 30 22.8–1.7 43.27N 45.61E 6 3.9b
CSEM XI 21 12 30 23.3–.25 43.25N 45.71E 2 3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=2.6km az=11.7.
MOS Error ellipse: s-maj=10.5km s-min=6.3km az=6.9.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.1km az=14.0.
ISC XI 22 00 41 16.1–.46 41.28N–.03 45.50E–.03 8–5 50 0-2
TIF XI 22 00 41 14.9 41.26N 45.48E 9–1 ¶13836764
NSSP XI 22 00 41 14.7 41.38N 45.37E 10 2.7s
ISCJB XI 22 00 41 15.6–.50 41.26N–.02 45.50E–.03 6–4 2.7s
CSEM XI 22 00 41 15.9–.23 41.28N 45.53E 2 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=28.6.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.8km az=27.0.
ISC XI 23 00 43 38.2–.39 43.20N–.03 46.12E–.02 12–3 95 0-3
ISCJB XI 23 00 43 37.4–.41 43.18N–.03 46.11E–.02 2–4 ¶13836769
CSEM XI 23 00 43 37.1 43.20N 46.17E 20 3.9b
MOS XI 23 00 43 37.9–.71 43.20N 46.17E 20 3.9b
ISCJB Error ellipse: s-maj=5.0km s-min=2.3km az=17.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=10.1km s-min=6.8km az=17.0.
ISC XI 23 08 58 00.3–.60 43.36N–.04 46.25E–.03 10–4 71 0-11
ISCJB XI 23 08 57 58.8–.61 43.40N–.04 46.28E–.03 8–4 ¶11751084
CSEM XI 23 08 58 00.0–.25 43.27N 46.21E 10 4.1b
MOS XI 23 08 58 00.7–1.5 43.17N 46.19E 11 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.0km az=6.1.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=3.8km az=178.0.
MOS Error ellipse: s-maj=17.5km s-min=7.5km az=5.5.
ISC XI 29 11 06 53.0–.45 43.24N–.03 46.14E–.03 14–3 91 0-3
ISCJB XI 29 11 06 52.4–.44 43.20N–.03 46.11E–.03 6–4 ¶13836845
CSEM XI 29 11 06 52.0 43.25N 46.07E 3 3.9b
MOS XI 29 11 06 52.0–2.0 43.25N 46.07E 3 3.9b
ISCJB Error ellipse: s-maj=5.1km s-min=2.4km az=27.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=10.4km s-min=6.0km az=26.0.
ISC XI 29 11 51 01.2–.56 43.35N–.04 46.23E–.03 8–3 110 0-3
ISCJB XI 29 11 51 01.0–.47 43.28N–.04 46.17E–.03 1–3 ¶13836846
MOS XI 29 11 51 01.3–1.3 43.23N 46.13E 6 4.0b
CSEM XI 29 11 51 01.3 43.23N 46.13E 6 4.0b
ISCJB Error ellipse: s-maj=6.7km s-min=2.3km az=25.4.
MOS Error ellipse: s-maj=9.2km s-min=5.4km az=24.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC XI 30 15 49 56.9–.69 43.55N–.04 46.34E–.03 7–4 88 1-11
ISCJB XI 30 15 49 55.2–.68 43.59N–.04 46.36E–.03 5–3 ¶11751421
CSEM XI 30 15 49 56.8–.30 43.48N 46.24E 2 3.9b
MOS XI 30 15 49 58.6–.55 43.32N 46.17E 9 3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.0km az=25.9.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=3.4km az=28.0.
MOS Error ellipse: s-maj=10.5km s-min=6.4km az=27.2.
ISC XII 01 08 06 45.7–.77 43.21N–.07 46.14E–.05 7–5 58 0-2
CSEM XII 01 08 06 45.0 43.18N 46.12E 10 3.7b ¶13875472
MOS XII 01 08 06 45.3–.82 43.18N 46.12E 10 3.7b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=16.6km s-min=8.1km az=18.7.
ISC XII 01 12 29 36.0–.83 41.38N–.04 46.70E–.04 11–6 39 1-3
TIF XII 01 12 29 33.9 41.55N 46.72E 17–2 ¶13875473
CSEM XII 01 12 29 33.3 41.24N 46.75E 10 3.9b
MOS XII 01 12 29 33.3–2.1 41.24N 46.75E 10 3.9b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=20.9km s-min=11.2km az=83.4.
ISC XII 07 02 13 49.8–.54 43.34N–.04 46.19E–.03 6–3 103 0-3
ISCJB XII 07 02 13 49.0–.52 43.32N–.04 46.17E–.03 2–3 ¶13875696
CSEM XII 07 02 13 49.8 43.25N 46.12E 8 3.8b
MOS XII 07 02 13 49.8–1.2 43.25N 46.12E 8 3.8b
ISCJB Error ellipse: s-maj=7.1km s-min=2.3km az=23.6.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=9.9km s-min=6.0km az=27.1.
ISC XII 08 02 24 11.2–.38 43.39N–.02 46.28E–.02 4–2 3.6b 214 0-49
ISCJB XII 08 02 24 09.6–.39 43.43N–.02 46.31E–.02 3–2 3.6b ¶15119408
IDC XII 08 02 24 09.5–.76 43.30N 46.01E 0 3.8,3.8
CSEM XII 08 02 24 10.3–.15 43.41N 46.28E 2 3.9b,3.8
MOS XII 08 02 24 10.1–1.2 43.44N 46.31E 9 4.1b,3.8
TIF XII 08 02 24 11.6 43.27N 46.15E 15–2 4.1b,3.8
NEIC XII 08 02 24 11.3–.64 43.45N 46.18E 10 3.6b,3.8
NNC XII 08 02 24 21.3–5.7 43.36N 47.31E 19–93 3.4b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=19.2.
IDC Error ellipse: s-maj=17.6km s-min=11.5km az=124.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=19.0.
MOS Error ellipse: s-maj=6.0km s-min=4.8km az=124.1.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.2km az=161.0.
NNC Error ellipse: s-maj=81.7km s-min=41.8km az=56.0.
ISC XII 08 05 52 44.1–.49 43.08N–.03 46.57E–.03 10 72 0-2
CSEM XII 08 05 52 42.7 43.05N 46.65E 9 4.0b ¶13875698
MOS XII 08 05 52 42.7–1.1 43.05N 46.65E 9 4.0b
ISCJB XII 08 05 52 43.6–.57 43.10N–.04 46.62E–.04 10 4.0b
CSEM After OBN.
ISC XII 09 02 54 53.7–.69 43.33N–.04 46.32E–.04 9–3 82 0-3
ISCJB XII 09 02 54 53.3–.61 43.28N–.04 46.28E–.03 4–4 ¶13875700
CSEM XII 09 02 54 53.8 43.22N 46.26E 8 3.8b
MOS XII 09 02 54 53.8–1.3 43.22N 46.26E 8 3.8b
ISCJB Error ellipse: s-maj=7.6km s-min=2.7km az=24.6.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=10.0km s-min=6.7km az=30.9.
ISC XII 11 01 58 23.9–.44 43.23N–.03 46.18E–.02 7–3 112 0-11
CSEM XII 11 01 58 22.7–.27 43.30N 46.21E 2 4.2b ¶12076831
ISCJB XII 11 01 58 23.0–.47 43.23N–.03 46.18E–.02 1–4 4.2b
MOS XII 11 01 58 24.0–1.8 43.20N 46.14E 16 4.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=2.6km az=23.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=2.3km az=23.1.
MOS Error ellipse: s-maj=9.8km s-min=5.7km az=35.7.
ISC XII 11 09 09 20.6–.46 43.20N–.03 46.17E–.02 9–4 90 0-3
MOS XII 11 09 09 19.9–1.4 43.24N 46.22E 15 4.0b ¶13881678
CSEM XII 11 09 09 19.9–.32 43.26N 46.19E 2 4.0b
ISC Event type ke.
MOS Error ellipse: s-maj=10.3km s-min=7.2km az=27.8.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=2.9km az=24.0.
ISC XII 13 06 07 39.5–.46 41.84N–.02 45.23E–.03 8–4 68 0-2
TIF XII 13 06 07 37.6 41.85N 45.25E 19–1 ¶13881679
MOS XII 13 06 07 38.8–.75 41.74N 45.18E 11 3.8b
CSEM XII 13 06 07 39.0–.22 41.84N 45.23E 5 3.8b
ISCJB XII 13 06 07 40.0–.54 41.76N–.03 45.21E–.03 15–6 3.8b
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
MOS XII 14 11 54 03.5–1.7 43.17N 46.19E 17 3.9b
CSEM XII 14 11 54 03.5 43.17N 46.19E 17 3.9b ¶13881680
MOS Error ellipse: s-maj=11.7km s-min=6.5km az=32.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
ISC XII 15 14 32 29.1–.79 43.41N–.04 46.38E–.04 2–4 86 0-3
CSEM XII 15 14 32 29.9–.42 43.31N 46.27E 2 3.8b ¶12077615
MOS XII 15 14 32 30.7–1.7 43.27N 46.28E 17 3.8b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=3.2km az=22.0.
MOS Error ellipse: s-maj=11.0km s-min=7.7km az=28.3.
ISC XII 19 15 11 06.7–.37 40.90N–.01 48.66E–.02 13–2 4.2b,3.5s 486 0-118
IDC XII 19 15 11 03.7–.60 40.87N 48.50E 0 4.2,4.1 ¶13403331
ISCJB XII 19 15 11 05.6–.36 40.87N–.02 48.70E–.02 19–3 4.2b,3.5s
MOS XII 19 15 11 05.3–1.6 40.90N 48.72E 14 4.6b,3.5s
BJI XII 19 15 11 05.4 40.80N 48.60E 10 4.7b,4.6s
NNC XII 19 15 11 06.3–4.6 40.75N 49.42E 0 4.3b,4.6s
TIF XII 19 15 11 06.5 40.85N 48.44E 18–1 4.3b,4.6s
CSEM XII 19 15 11 06.1–.10 40.89N 48.61E 12 4.5b,4.4b
NEIC XII 19 15 11 06.6–.71 40.93N 48.58E 17–5 4.5,4.4b
THR XII 19 15 11 06.8–.77 40.66N 48.46E 15–11 4.7L,4.4b
TEH XII 19 15 11 10.1 40.63N 48.49E 18 4.7L,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=7.8km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=37.2.
MOS Error ellipse: s-maj=5.6km s-min=4.0km az=127.4.
NNC Error ellipse: s-maj=42.0km s-min=33.5km az=112.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=48.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=157.0.
THR Error ellipse: s-maj=12.6km s-min=7.5km az=-1.0.
ISC XII 19 19 41 22.5–.44 43.17N–.03 46.07E–.02 9–7 85 0-3
TIF XII 19 19 41 21.2 43.18N 46.16E 9–6 ¶13881681
CSEM XII 19 19 41 22.4 43.25N 46.11E 15 3.9b
MOS XII 19 19 41 22.4–1.8 43.25N 46.11E 15 3.9b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=10.5km s-min=6.8km az=35.5.
ISC XII 28 03 56 59.4–1.7 40.3N–.20 49.44E–.09 40–26 3.6b 23 4-32
TIF XII 28 03 56 53.3 39.71N 49.57E 27–1 3.6b ¶12079235
ISCJB XII 28 03 56 58.2–2.1 40.3N–.30 49.4E–.10 44–36 3.6b
IDC XII 28 03 57 00.7–3.6 40.07N 49.30E 68–59 3.5b,3.5
NEIC XII 28 03 57 00.3–1.2 40.09N 49.33E 64–22 3.7b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=49.5km s-min=12.6km az=10.6.
IDC Error ellipse: s-maj=89.3km s-min=20.3km az=8.0.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=7.9km az=191.0.
ISC XII 29 14 23 48.5–.82 43.44N–.05 46.34E–.06 28–7 68 0-3
TIF XII 29 14 23 46.2 43.36N 46.05E 13–1 ¶13900404
ISCJB XII 29 14 23 48.4–.75 43.43N–.05 46.32E–.07 32–8
MOS XII 29 14 23 48.0–1.7 43.35N 46.22E 24 4.3b
CSEM XII 29 14 23 48.4–.36 43.40N 46.11E 15 4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.6km az=41.9.
MOS Error ellipse: s-maj=12.4km s-min=7.6km az=9.3.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=4.0km az=21.0.

(338) Caspian Sea.

ISC VII 04 19 53 48.1–.83 42.81N–.02 48.45E–.03 34–7 3.8b 179 1-59
MOS VII 04 19 53 46.6–1.1 42.71N 48.40E 36 3.8b ¶11325575
ISCJB VII 04 19 53 46.8–.48 42.79N–.03 48.49E–.03 34–9 3.8b
CSEM VII 04 19 53 47.0–.16 42.79N 48.34E 20 3.6L
NEIC VII 04 19 53 47.8–1.4 42.74N 48.36E 28–11 3.4b
TEH VII 04 19 53 48.2 42.89N 48.36E 20 3.4b
IDC VII 04 19 53 49.2–1.5 42.77N 48.27E 40–19 3.8L,3.7
NNC VII 04 19 53 53.9–2.2 42.75N 49.60E 0 3.7b,3.7
ISC Event type ke.
MOS Error ellipse: s-maj=8.4km s-min=7.0km az=162.4.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=27.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=140.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.5km az=164.0.
IDC Error ellipse: s-maj=26.1km s-min=9.8km az=138.0.
NNC Error ellipse: s-maj=23.1km s-min=15.1km az=120.0.
IDC VII 06 11 59 37.3–2.6 39.58N 51.99E 0 3.6L,3.6
¶12698041
IDC Error ellipse: s-maj=35.7km s-min=32.0km az=112.0.
ISC VII 13 01 30 32.0–.51 39.62N–.05 52.01E–.08 10 3.5b 32 3-39
ISCJB VII 13 01 30 30.1–.51 39.67N–.05 52.03E–.08 10 3.5b ¶11344715
IDC VII 13 01 30 30.9–2.2 39.55N 51.94E 0 3.7,3.6b
CSEM VII 13 01 30 30.7–.20 39.62N 52.00E 2 3.3L,3.6b
NEIC VII 13 01 30 32.6–1.1 39.66N 52.02E 10 3.4b,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=7.0km az=13.3.
IDC Error ellipse: s-maj=34.9km s-min=20.7km az=153.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=6.0km az=106.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=10.9km az=198.0.
ISC IX 04 17 49 53.9–.58 40.64N–.07 51.51E–.04 35 3.4b 54 1-26
IDC IX 04 17 49 48.5–2.3 40.30N 51.71E 0 4.2L,3.5 ¶11492109
CSEM IX 04 17 49 51.7–.54 40.33N 51.67E 30 3.5b,3.5
ISCJB IX 04 17 49 52.9–.57 40.84N–.06 51.45E–.05 33 3.4b,3.5
NEIC IX 04 17 49 53.1–1.4 40.48N 51.60E 35 3.5b,3.5
NNC IX 04 17 49 57.2–3.4 40.88N 52.21E 0 3.5b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=25.0km az=139.0.
CSEM Event type ke. Error ellipse: s-maj=22.5km s-min=5.5km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=3.2km az=156.1.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=11.6km az=168.0.
NNC Error ellipse: s-maj=45.5km s-min=21.7km az=90.0.
ISC IX 14 23 32 29.8–.30 39.03N–.03 50.27E–.03 10 3.6b 126 1-55
ISCJB IX 14 23 32 28.2–.31 39.03N–.03 50.28E–.03 10 3.6b ¶11910299
IDC IX 14 23 32 28.8–1.7 39.16N 50.19E 0 3.9,3.8
MOS IX 14 23 32 32.2–.96 39.43N 50.28E 27 4.1b,3.8
NEIC IX 14 23 32 33.4–3.1 39.32N 50.27E 29–23 3.7b,3.8
THR IX 14 23 32 34.3–.53 38.68N 49.82E 14–5 3.7L,3.8
CSEM IX 14 23 32 34.2–.28 39.05N 50.20E 52–3 4.3b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=21.4.
IDC Error ellipse: s-maj=29.2km s-min=11.2km az=167.0.
MOS Error ellipse: s-maj=10.2km s-min=9.5km az=96.9.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.0km az=186.0.
THR Error ellipse: s-maj=2.7km s-min=4.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.3km az=26.0.
ISC XI 07 17 12 39.0–.73 41.47N–.07 50.28E–.05 75–7 3.7b 117 2-61
MOS XI 07 17 12 32.0–1.4 41.25N 50.04E 30 4.3b ¶11750222
NEIC XI 07 17 12 33.6–1.5 41.15N 50.06E 36–13 3.9b
CSEM XI 07 17 12 34.9–.55 41.17N 50.04E 51–5 4.3b
IDC XI 07 17 12 36.5–1.2 41.14N 50.01E 67–9 3.6,3.6
ISCJB XI 07 17 12 38.1–.73 41.55N–.06 50.27E–.05 77–8 3.7b,3.6
NNC XI 07 17 12 42.8–3.0 41.49N 50.95E 53–37 3.5b,3.6
ISC Event type ke.
MOS Error ellipse: s-maj=12.5km s-min=9.6km az=70.7.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=6.2km az=184.0.

CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=5.2km az=3.0.
IDC Error ellipse: s-maj=23.0km s-min=14.3km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.5km az=157.7.
NNC Error ellipse: s-maj=28.3km s-min=18.6km az=119.0.

ISC	**XI**	**08 03 53 53.1–.95**	**41.07N–.07**	**51.87E–.04**	**43–12**	**3.4b**	**74**	**5-32**
IDC	XI	08 03 53 43.1–2.5	40.29N	51.76E	0	4.2L,3.9		**¶11750237**
CSEM	XI	08 03 53 46.5–.47	40.65N	51.86E	10	3.8b,3.9		
NEIC	XI	08 03 53 49.6–4.6	40.73N	51.85E	28–34	3.9b,3.9		
ISCJB	XI	08 03 53 52.0–1.1	41.24N–.07	51.84E–.05	45–15	3.4b,3.9		
NNC	XI	08 03 53 59.9–3.3	41.38N	53.04E	0	3.8b,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=44.0km s-min=19.3km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=16.0km s-min=7.2km az=7.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=6.9km az=194.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=5.1km az=164.9.
NNC Error ellipse: s-maj=28.8km s-min=22.8km az=80.0.

ISC	**XI**	**12 00 14 19.1–.27**	**40.18N–.02**	**50.14E–.03**	**62–3**	**3.7b**	**173**	**0-59**
IDC	XI	12 00 14 12.4–1.2	40.03N	50.05E	0	4.1L,3.9		**¶11750458**
TEH	XI	12 00 14 15.5	40.40N	50.13E	18	4.1L,3.9		
ISCJB	XI	12 00 14 18.0–.29	40.14N–.03	50.12E–.03	70–3	3.7b,3.9		
NEIC	XI	12 00 14 17.4–3.6	40.20N	50.12E	33–27	3.9b,3.9		
TIF	XI	12 00 14 17.5	39.98N	49.84E	10–7	3.9b,3.9		
MOS	XI	12 00 14 18.8–1.9	40.34N	50.11E	57	3.9b,3.9		
CSEM	XI	12 00 14 19.3–.10	40.14N	50.10E	60	3.9b,3.9		
NNC	XI	12 00 14 19.7–14	40.65N	50.63E	0	3.8b,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=29.9km s-min=11.8km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=42.9.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=7.0km az=173.0.
MOS Error ellipse: s-maj=9.9km s-min=7.5km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=36.0.
NNC Error ellipse: s-maj=239.0km s-min=79.8km az=92.0.

ISC	**XI**	**12 06 45 07.3–.49**	**40.91N–.04**	**51.94E–.03**	**42–4**	**4.5b,3.6s**	**343**	**1-97**
BGS	XI	12 06 44 54.8–2.1	39.42N	52.45E	33–0	5.1b,3.6s		**¶13399890**
IDC	XI	12 06 44 59.1–.80	40.42N	51.87E	0	4.5,4.5L		
BJI	XI	12 06 45 02.1	40.74N	51.46E	39	5.1b,4.7s		
NEIC	XI	12 06 45 03.9–1.6	40.62N	51.89E	27–12	4.4b,4.7s		
MOS	XI	12 06 45 03.9–1.4	40.76N	51.94E	33	4.6b,4.7s		
ISCJB	XI	12 06 45 05.4–.57	40.92N–.04	51.90E–.03	39–5	4.5b,3.6s		
CSEM	XI	12 06 45 07.0–.34	40.95N	51.96E	40	4.4b,3.2s		
NNC	XI	12 06 45 13.9–4.9	41.34N	53.13E	0	4.5b,3.2s		

ISC Event type ke.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=8.4km az=170.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.1km az=171.0.
MOS Error ellipse: s-maj=6.5km s-min=5.2km az=113.2.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.4km az=172.5.
CSEM Event type ke. Error ellipse: s-maj=12.4km s-min=5.1km az=163.0.
NNC Error ellipse: s-maj=51.4km s-min=39.7km az=105.0.

ISC	**XII**	**24 12 18 16.5–1.8**	**39.58N–.03**	**52.05E–.05**	**24–16**	**3.6b**	**114**	**3-78**
THR	XII	24 12 18 11.1–.48	39.76N	51.88E	15–0	3.9L		**¶12078815**
IDC	XII	24 12 18 12.1–1.5	39.43N	52.00E	0	4.0L,3.9		
ISCJB	XII	24 12 18 14.5–1.7	39.60N–.03	52.06E–.05	24–15	3.6b,3.9		
NEIC	XII	24 12 18 14.2–1.5	39.53N	52.04E	10	3.8b,3.9		
CSEM	XII	24 12 18 16.8–.16	39.56N	52.05E	30	3.9L,3.9		
TEH	XII	24 12 18 16.4	39.43N	52.05E	7	3.9L,3.9		
NNC	XII	24 12 18 20.0–2.6	40.34N	51.80E	0	3.4b,3.9		

ISC Event type ke.
THR Error ellipse: s-maj=12.0km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=25.2km s-min=18.4km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.3km az=176.3.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=10.4km az=184.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=88.0.
NNC Error ellipse: s-maj=60.7km s-min=19.3km az=107.0.

(339) Northwestern Uzbekistan.

NNC	**XI**	**10 08 34 18.7–2.1**	**40.42N**	**63.09E**	**9–9**	**3.6b,3.4**		
								¶11750374

NNC Error ellipse: s-maj=16.3km s-min=6.8km az=37.0.

(340) Turkmenistan.

NNC	**VII**	**01 09 09 05.8–2.8**	**39.00N**	**58.27E**	**0**	**3.8b**		
								¶11325439

NNC Error ellipse: s-maj=23.2km s-min=15.2km az=43.0.

IDC	**VII**	**09 21 34 27.1–28**	**39.61N**	**62.70E**	**0**	**3.2b,3.1L**		
								¶11331871

IDC Error ellipse: s-maj=341.7km s-min=66.0km az=43.0.

ISC	**VII**	**17 03 57 36.2–.77**	**40.48N–.02**	**52.04E–.02**	**32–6**	**4.5b,3.4s**	**590**	**1-97**
BGS	VII	17 03 56 52.0–2.4	38.42N	54.57E	33–0	4.6b,3.4s		**¶13389431**
BJI	VII	17 03 57 32.1	40.60N	51.70E	28	5.0b,4.8b		
ISCJB	VII	17 03 57 33.2–.81	40.48N–.03	52.04E–.02	24–6	4.5b,3.4s		
CSEM	VII	17 03 57 33.1–.13	40.50N	52.10E	12	4.7b,2.9s		
THR	VII	17 03 57 33.0–.87	40.33N	52.04E	15–0	4.9L,2.9s		
MOS	VII	17 03 57 34.6–1.2	40.51N	52.04E	33	4.7b,2.9s		
NEIC	VII	17 03 57 36.0–1.3	40.40N	52.05E	34–10	4.5b,2.9s		
IDC	VII	17 03 57 36.6–.99	40.36N	52.00E	47–9	4.3,4.2		
NNC	VII	17 03 57 41.8–3.2	41.13N	52.82E	0	5.0b,4.2		

ISC Event type ke.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=1.7.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.4km az=178.0.
THR Error ellipse: s-maj=10.0km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=131.9.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.3km az=174.0.
IDC Error ellipse: s-maj=17.4km s-min=10.3km az=174.0.
NNC Error ellipse: s-maj=32.3km s-min=28.8km az=115.0.

ISC	**VII**	**20 01 14 12.0–.70**	**40.65N–.07**	**52.11E–.05**	**35**	**3.5b**	**60**	**2-32**
ISCJB	VII	20 01 14 09.7–.73	40.74N–.07	52.11E–.05	33	3.5b		**¶11360782**
IDC	VII	20 01 14 12.8–4.3	40.43N	52.03E	34–39	4.1L,3.4b		
CSEM	VII	20 01 14 13.8–.67	40.84N	51.92E	46–8	3.7b,3.4b		
NEIC	VII	20 01 14 13.0–1.4	40.73N	51.94E	38–15	3.5b,3.4b		
NNC	VII	20 01 14 21.9–4.1	41.00N	53.68E	0	3.7b,3.4b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=3.6km az=154.6.
IDC Error ellipse: s-maj=34.6km s-min=16.8km az=147.0.
CSEM Event type ke. Error ellipse: s-maj=23.4km s-min=7.1km az=153.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=7.1km az=159.0.
NNC Error ellipse: s-maj=35.8km s-min=26.3km az=26.0.

ISC	**VIII**	**01 21 13 55.3–.77**	**38.44N–.04**	**58.37E–.07**	**10**		**36**	**1-11**
ISCJB	VIII	01 21 13 53.1–.79	38.57N–.04	58.4E–.10	10			**¶11379072**
CSEM	VIII	01 21 13 54.1–.40	38.47N	58.37E	2	3.7L		
TEH	VIII	01 21 13 56.4	38.41N	58.33E	4	3.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=6.3km az=3.4.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=7.0km az=96.0.

TEH	**VIII**	**20 23 29 20.8**	**40.13N**	**52.88E**	**9**			
								¶11457605

ISC	**VIII**	**23 13 32 37.9–1.2**	**39.92N–.04**	**54.03E–.03**	**29–9**	**4.2b,3.3s**	**349**	**3-86**
IDC	VIII	23 13 32 32.6–.78	39.59N	53.91E	0	4.2,4.1		**¶13392398**
ISCJB	VIII	23 13 32 35.4–1.2	39.96N–.04	54.00E–.03	24–9	4.2b,3.3s		
BJI	VIII	23 13 32 37.3	39.79N	54.20E	26	4.6b,4.2s		
MOS	VIII	23 13 32 37.7–1.2	39.93N	53.99E	46	4.5b,4.2s		
NEIC	VIII	23 13 32 37.8–1.1	39.78N	54.07E	35–9	4.5b,4.2s		
CSEM	VIII	23 13 32 39.1–.28	39.94N	54.03E	40	4.3b,2.8s		
THR	VIII	23 13 32 44.4–.90	38.53N	54.05E	17–14	4.1L,2.8s		
NNC	VIII	23 13 32 45.7–1.7	40.53N	55.00E	0	4.3b,2.8s		

ISC Event type ke.
IDC Error ellipse: s-maj=18.3km s-min=8.7km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=5.4.
MOS Error ellipse: s-maj=6.7km s-min=4.7km az=121.9.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=5.0km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=5.0km az=168.0.
THR Error ellipse: s-maj=17.1km s-min=6.5km az=-1.0.
NNC Error ellipse: s-maj=18.5km s-min=11.4km az=79.0.

ISC	**IX**	**24 17 49 54.3–.65**	**40.71N–.07**	**53.06E–.05**	**35**	**3.6b**	**98**	**6-74**
MOS	IX	24 17 49 51.1–1.2	40.54N	53.04E	33	4.0b		**¶13395117**
ISCJB	IX	24 17 49 52.5–.66	40.78N–.07	53.03E–.05	33	3.6b		
NEIC	IX	24 17 49 52.6–.90	40.42N	53.11E	41	4.0b		
CSEM	IX	24 17 49 53.6–.46	40.53N	53.15E	42	3.8b		
IDC	IX	24 17 49 53.2–1.8	40.38N	53.07E	44–8	3.7,3.6L		
NNC	IX	24 17 49 55.3–10	41.07N	53.17E	0	4.1b,3.6L		

ISC Event type ke.
MOS Error ellipse: s-maj=11.1km s-min=9.5km az=87.1.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.4km az=157.2.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=7.1km az=160.0.
CSEM Event type ke. Error ellipse: s-maj=17.7km s-min=6.6km az=173.0.
IDC Error ellipse: s-maj=37.2km s-min=14.6km az=179.0.
NNC Error ellipse: s-maj=113.3km s-min=64.4km az=72.0.

ISC	**X**	**25 00 27 14.9–2.3**	**40.01N–.04**	**53.60E–.05**	**22–21**	**3.5b**	**81**	**3-53**
THR	X	25 00 27 11.8–.38	39.97N	53.52E	15–0	3.8L		**¶11749382**
ISCJB	X	25 00 27 11.2–2.1	40.03N–.05	53.60E–.05	9–15	3.5b		
IDC	X	25 00 27 11.6–1.4	39.82N	53.58E	0	3.8,3.8		
CSEM	X	25 00 27 13.0–.19	39.97N	53.58E	10	3.8L,3.8		
NEIC	X	25 00 27 15.0–4.6	39.85N	53.64E	26–37	3.8b,3.8		
NNC	X	25 00 27 26.2–3.8	40.62N	54.26E	34–105	3.7b,3.8		

ISC Event type ke.
THR Error ellipse: s-maj=6.9km s-min=2.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.6km az=159.5.
IDC Error ellipse: s-maj=24.5km s-min=10.2km az=153.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.3km az=141.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=9.0km az=175.0.
NNC Error ellipse: s-maj=59.0km s-min=18.9km az=50.0.

ISC	**XII**	**13 20 43 04.9–2.0**	**39.91N–.03**	**53.98E–.04**	**16–15**	**3.6b,3.0s**	**177**	**3-78**
IDC	XII	13 20 43 01.5–1.4	39.62N	53.94E	0	3.9,3.9L		**¶12077333**
ISCJB	XII	13 20 43 02.1–1.5	39.94N–.03	53.95E–.04	15–14	3.6b,3.0s		
THR	XII	13 20 43 06.6–.97	39.63N	53.57E	15–0	3.7L,3.0s		
CSEM	XII	13 20 43 06.6–.12	39.87N	53.91E	30	3.8b,3.0s		
MOS	XII	13 20 43 06.4–1.0	40.07N	53.94E	33	4.0b,3.0s		
TEH	XII	13 20 43 06.9	39.84N	53.93E	19	4.0b,3.0s		
NEIC	XII	13 20 43 07.1–.83	39.95N	53.98E	35	4.0b,3.0s		
NNC	XII	13 20 43 09.7–4.5	40.24N	54.73E	0	4.0b,3.0s		

ISC Event type ke.
IDC Error ellipse: s-maj=29.4km s-min=11.4km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=147.3.
THR Error ellipse: s-maj=14.0km s-min=4.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=83.0.
MOS Error ellipse: s-maj=9.8km s-min=8.9km az=96.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=6.8km az=173.0.
NNC Error ellipse: s-maj=43.3km s-min=28.0km az=68.0.

(341) Iran-Turkmenistan border region.

CSEM	**VII**	**01 22 44 38.8**	**37.65N**	**55.66E**	**14**	**4.4L**		
								¶14686294

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.

ISC	**VIII**	**01 22 44 39.9–.77**	**37.65N–.03**	**55.69E–.02**	**7–5**	**4.2b,3.1s**	**354**	**0-80**
IDC	VIII	01 22 44 37.1–1.0	37.37N	55.68E	0	4.1,4.1		**¶11227177**
THR	VIII	01 22 44 38.5–.34	37.76N	55.65E	15–0	4.4L,4.1		
ISCJB	VIII	01 22 44 39.2–.66	37.71N–.03	55.66E–.02	14–5	4.2b,3.1s		
NEIC	VIII	01 22 44 40.2	37.53N	55.68E	3	4.5,4.4L		
TEH	VIII	01 22 44 40.3	37.53N	55.68E	3	4.5,4.4L		
CSEM	VIII	01 22 44 40.0–.11	37.60N	55.68E	10	4.2b,3.4s		
MOS	VIII	01 22 44 41.9–1.0	37.63N	55.71E	33	4.5b,3.4s		
BJI	VIII	01 22 44 41.3	37.80N	55.98E	13	4.6b,4.3b		
NNC	VIII	01 22 44 44.0–5.0	38.19N	56.33E	0	4.2b,4.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=11.6km az=1.0.
THR Error ellipse: s-maj=5.2km s-min=1.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=173.2.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=173.0.
MOS Error ellipse: s-maj=8.6km s-min=5.2km az=134.5.
NNC Error ellipse: s-maj=42.6km s-min=39.0km az=100.0.

ISC	**VIII**	**09 16 05 42.7–.52**	**37.05N–.02**	**57.04E–.02**	**15–4**	**4.0b**	**236**	**1-77**
THR	VIII	09 16 05 40.5–.64	36.84N	57.05E	14–7	3.8L		**¶13391262**
IDC	VIII	09 16 05 40.6–.86	36.87N	56.92E	0	4.1,4.0		
ISCJB	VIII	09 16 05 42.8–.73	37.09N–.03	56.94E–.03	29–6	4.0b,4.0		
CSEM	VIII	09 16 05 42.3–.14	37.03N	57.01E	10	4.2b,4.0		
TEH	VIII	09 16 05 43.1	37.00N	56.98E	7	4.2b,4.0		
NEIC	VIII	09 16 05 43.1	37.00N	56.98E	7	4.1,4.0b		
MOS	VIII	09 16 05 44.3–2.0	37.02N	57.03E	33	4.1b,4.0b		
NNC	VIII	09 16 05 45.2–14	37.27N	57.20E	33–229	3.7b,4.0b		

ISC Event type ke.
THR Error ellipse: s-maj=3.8km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=14.0km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=160.8.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=170.0.
NEIC Event type se. After TEH.
MOS Error ellipse: s-maj=9.4km s-min=7.5km az=107.7.
NNC Error ellipse: s-maj=170.3km s-min=54.6km az=82.0.

ISC	**IX**	**06 16 00 57.2–.54**	**38.54N–.04**	**55.07E–.05**	**10**		**25**	**1-12**
ISCJB	IX	06 16 00 54.6–.56	38.61N–.04	55.14E–.05	10			**¶11492194**
CSEM	IX	06 16 00 55.4–.65	38.48N	55.05E	2	3.1L		
TEH	IX	06 16 01 02.5	38.09N	55.12E	10	3.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.8km az=161.4.
CSEM Event type ke. Error ellipse: s-maj=20.3km s-min=14.2km az=47.0.

TEH	**IX**	**14 08 00 08.0**	**37.39N**	**54.52E**	**5**			
CSEM	IX	14 08 00 07.2–.24	37.38N	54.50E	2	3.6L		**¶14011030**

CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=3.8km az=153.0.

ISC	**X**	**24 05 14 15.7–.27**	**38.41N–.02**	**57.44E–.04**	**10**	**3.9b**	**133**	**1-24**
ISCJB	X	24 05 14 13.5–.26	38.47N–.02	57.44E–.04	10	3.9b		**¶11749326**
CSEM	X	24 05 14 14.5–.17	38.37N	57.46E	2	4.1L		
IDC	X	24 05 14 15.5–2.6	38.41N	57.26E	0	4.0L,3.9		
NEIC	X	24 05 14 17.3–1.8	38.54N	57.46E	10	4.5b,3.9		
THR	X	24 05 14 17.5–.34	38.18N	57.14E	35–2	3.7L,3.9		
TEH	X	24 05 14 19.3	38.04N	57.38E	3	3.7L,3.9		
NNC	X	24 05 14 20.8–3.5	38.70N	58.10E	0	3.8b,3.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=25.1.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=120.0.
IDC Error ellipse: s-maj=32.6km s-min=21.8km az=32.0.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=11.9km az=32.0.
THR Error ellipse: s-maj=7.0km s-min=4.9km az=-1.0.
NNC Error ellipse: s-maj=31.1km s-min=24.4km az=171.0.

ISC	**XII**	**16 05 52 58.3–.91**	**37.50N–.04**	**55.01E–.04**	**5–7**		**57**	**1-13**
ISCJB	XII	16 05 52 57.7–.98	37.51N–.05	55.04E–.04	11–7			**¶12077719**
TEH	XII	16 05 52 58.2	37.53N	55.00E	2			
CSEM	XII	16 05 52 58.1–.17	37.46N	55.06E	2	3.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.3km az=150.1.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.1km az=151.0.

(342) Turkmenistan-Afghanistan border region.

TEH	**XII**	**24 13 58 51.2**	**35.26N**	**61.59E**	**6**			
CSEM	XII	24 13 58 51.2	35.26N	61.59E	6	3.8L		**¶14012063**

CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.

(343) Turkey-Iran border region.

ISC	**VII**	**23 10 09 59.9–1.2**	**38.68N–.04**	**44.73E–.07**	**4–10**		**35**	**1-3**
CSEM	VII	23 10 09 59.9–.63	38.71N	44.70E	2	3.0L		**¶11514430**
ISK	VII	23 10 10 00.3	38.77N	44.60E	5	3.0L		
DDA	VII	23 10 10 05.2	38.57N	44.35E	9–0	3.3		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=9.1km az=96.0.
ISC VIII 01 15 16 24.2–.27 37.64N–.02 44.01E–.02 10 3.3b 120 0-51
DDA VIII 01 15 16 18.4 37.37N 44.15E 5–4 3.8 ¶11525233
NEIC VIII 01 15 16 22.6 37.62N 43.97E 5 4.0L,4.0
ISK VIII 01 15 16 22.6 37.62N 43.97E 5 4.0L,3.9
TEH VIII 01 15 16 23.4 37.75N 43.96E 3 4.0L,3.9
CSEM VIII 01 15 16 23.5–.16 37.64N 44.02E 2 4.0L,3.9
ISCJB VIII 01 15 16 23.0–.28 37.65N–.02 44.00E–.02 10 3.3b,3.9
IDC VIII 01 15 16 24.2–1.1 37.60N 44.08E 0 3.5b,3.5
ISC Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.8km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=173.9.
IDC Error ellipse: s-maj=22.6km s-min=14.1km az=140.0.
ISC IX 20 22 17 13.2–.31 38.49N–.02 44.50E–.02 10 82 1-5
DDA IX 20 22 17 08.2 38.51N 44.72E 7–2 3.6 ¶11660849
ISK IX 20 22 17 11.5 38.52N 44.42E 5 3.7
ISCJB IX 20 22 17 12.2–.32 38.48N–.03 44.50E–.02 10 3.7
CSEM IX 20 22 17 12.3–.16 38.47N 44.47E 2 3.7
TEH IX 20 22 17 14.4 38.43N 44.53E 3 3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=175.8.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=3.0.
ISC IX 28 22 26 56.0–1.5 38.86N–.04 44.73E–.09 5–9 31 1-3
ISK IX 28 22 26 52.8 38.98N 44.77E 5 3.3 ¶11660970
CSEM IX 28 22 26 54.7–1.4 38.87N 44.78E 2 3.3
ISCJB IX 28 22 26 55.2–1.4 38.86N–.04 44.72E–.08 0–9 3.3
DDA IX 28 22 26 59.4 38.81N 44.48E 7–2 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=31.9km s-min=10.6km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.1km az=171.8.
ISC X 03 12 41 54.2–.18 37.93N–.01 44.67E–.02 10 4.0b,3.2s 316 1-86
NSSP X 03 12 41 39.1 38.13N 44.60E 5 4.2s,3.2s ¶11330094
ISK X 03 12 41 51.6 37.93N 44.82E 21 4.2L,3.2s
TEH X 03 12 41 51.2 38.05N 44.83E 6 4.2L,3.2s
ISCJB X 03 12 41 52.6–.18 37.91N–.01 44.69E–.02 10 4.0b,3.2s
NEIC X 03 12 41 52.8 38.16N 44.68E 3 4.6,4.3b
CSEM X 03 12 41 52.9–.13 37.93N 44.65E 2 4.3b,4.3b
THR X 03 12 41 52.0–.38 38.06N 44.58E 18–4 4.1L,4.3b
IDC X 03 12 41 53.0–.85 38.04N 44.60E 0 4.1,4.0b
MOS X 03 12 41 56.1–1.4 37.86N 44.46E 33 4.3b,4.0b
DDA X 03 12 41 59.3 37.90N 44.42E 22–0 4.1L,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=44.4.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=25.0.
THR Error ellipse: s-maj=2.6km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=14.3km s-min=13.1km az=143.0.
MOS Error ellipse: s-maj=9.3km s-min=6.2km az=101.3.
ISC X 03 13 58 15.1–.34 38.06N–.03 44.70E–.03 10 72 1-6
ISK X 03 13 58 10.8 37.97N 44.86E 8 3.7L ¶11661063
CSEM X 03 13 58 13.8–.23 38.08N 44.70E 2 4.0L
ISCJB X 03 13 58 13.8–.34 38.03N–.03 44.72E–.03 10 4.0L
THR X 03 13 58 13.0–.44 38.04N 44.44E 18–5 3.6L
TEH X 03 13 58 15.3 38.07N 44.84E 5 3.6L
NSSP X 03 13 58 22.5 38.10N 44.73E 13 3.7s
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.8km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=31.9.
THR Error ellipse: s-maj=3.0km s-min=5.5km az=-1.0.
ISC X 04 14 54 28.1–.51 37.94N–.04 44.76E–.03 4–6 38 1-3
ISK X 04 14 54 28.3 37.95N 44.70E 6 3.3 ¶11661077
CSEM X 04 14 54 28.0–1.4 37.86N 44.76E 10 3.3
TEH X 04 14 54 28.2 37.96N 44.68E 5 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=33.5km s-min=12.3km az=113.0.
ISK X 04 20 39 55.6 38.03N 44.63E 8 3.3
¶11661083
ISC X 17 18 54 49.1–.65 38.91N–.05 44.65E–.03 1–6 38 1-3
DDA X 17 18 54 43.3 38.89N 45.11E 7–6 3.2 ¶15027868
ISK X 17 18 54 47.9 38.95N 44.63E 5 3.0
CSEM X 17 18 54 48.7–.89 38.92N 44.64E 2 3.0
TEH X 17 18 54 49.5 38.82N 44.55E 10 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.3km s-min=8.6km az=69.0.
ISC X 24 00 22 36.2–.42 38.51N–.03 44.95E–.03 10 39 1-3
ISCJB X 24 00 22 35.7–.42 38.58N–.03 44.98E–.03 10 ¶11661493
ISK X 24 00 22 35.0 38.54N 44.92E 5 3.2
CSEM X 24 00 22 36.7–1.1 38.54N 44.90E 5 3.2
TEH X 24 00 22 36.0 38.49N 44.87E 5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=26.3.
CSEM Event type ke. Error ellipse: s-maj=27.5km s-min=14.5km az=95.0.
ISC XI 13 23 27 40.7–.34 38.56N–.03 44.59E–.03 10 62 1-5
DDA XI 13 23 27 37.7 38.55N 44.66E 4–3 3.4L ¶12073469
ISCJB XI 13 23 27 39.8–.34 38.59N–.03 44.60E–.03 10 3.4L
ISK XI 13 23 27 39.3 38.55N 44.43E 5 3.5
CSEM XI 13 23 27 40.2–.59 38.53N 44.48E 2 3.5
TEH XI 13 23 27 42.3 38.67N 44.71E 6 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=23.4.
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=6.7km az=98.0.
ISC XI 30 16 57 31.7–.23 37.49N–.02 44.72E–.02 10 3.7b,3.1s 231 1-68
ISCJB XI 30 16 57 29.6–.25 37.41N–.02 44.71E–.02 10 3.7b,3.1s ¶12075349
CSEM XI 30 16 57 30.6–.16 37.52N 44.69E 2 4.1L,3.1s
IDC XI 30 16 57 30.1–.81 37.39N 44.66E 0 3.9b,3.9
DDA XI 30 16 57 31.4 37.57N 44.35E 2–0 3.4,3.9
TEH XI 30 16 57 31.7 37.73N 44.67E 14 3.4,3.9
ISK XI 30 16 57 31.8 37.49N 44.28E 5 3.8L,3.9
THR XI 30 16 57 32.6–.58 37.59N 44.75E 14–5 3.6L,3.9
MOS XI 30 16 57 32.7–1.6 37.30N 44.57E 33 4.1b,3.9
NEIC XI 30 16 57 32.0–.40 37.55N 44.59E 10 3.9L,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=14.3.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=13.0.
IDC Error ellipse: s-maj=16.4km s-min=12.6km az=134.0.
THR Error ellipse: s-maj=2.9km s-min=5.3km az=-1.0.
MOS Error ellipse: s-maj=11.6km s-min=7.4km az=93.6.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.0km az=171.0.
CSEM XI 30 18 26 08.1–1.3 37.38N 44.65E 2 3.2
ISK XI 30 18 26 07.8 37.45N 44.61E 5 2.8L ¶12075356
DDA XI 30 18 26 15.3 37.53N 44.42E 4–0 3.2
CSEM Event type ke. Error ellipse: s-maj=27.2km s-min=12.8km az=145.0.
ISC XI 30 18 37 03.8–.43 37.32N–.04 44.69E–.03 10 49 1-5
ISCJB XI 30 18 37 02.7–.50 37.32N–.04 44.67E–.03 10 ¶12075357
ISK XI 30 18 37 03.2 37.41N 44.70E 5 3.0L
CSEM XI 30 18 37 04.8–1.1 37.41N 44.66E 2 3.2
TEH XI 30 18 37 09.0 37.74N 44.69E 17 3.2
DDA XI 30 18 37 12.2 37.63N 44.15E 2–0 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.0km az=10.4.
CSEM Event type ke. Error ellipse: s-maj=22.2km s-min=10.7km az=142.0.
ISC XII 13 16 56 31.1–.51 38.33N–.03 44.81E–.02 0–4 81 1-4
ISK XII 13 16 56 30.9 38.46N 44.63E 5 3.5 ¶12854343
NSSP XII 13 16 56 31.0 38.52N 44.98E 17 3.4s
CSEM XII 13 16 56 31.9–.31 38.38N 44.63E 2 3.5
DDA XII 13 16 56 32.9 38.40N 44.64E 2–0 3.4
TEH XII 13 16 56 32.8 38.38N 44.87E 6 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.2km az=117.0.
ISC XII 14 01 22 42.4–.79 38.64N–.03 44.24E–.04 9–4 91 1-4
NSSP XII 14 01 22 35.5 38.52N 44.30E 5 3.3s ¶12865142
ISK XII 14 01 22 39.0 38.69N 44.24E 5 3.5
DDA XII 14 01 22 40.4 38.66N 44.17E 2–0 3.4
CSEM XII 14 01 22 40.4–.40 38.67N 44.22E 2 3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=5.1km az=114.0.

(344) Iran-Armenia-Azerbaijan border region.

TEH VII 13 07 08 09.6 38.96N 48.67E 13
CSEM VII 13 07 08 09.6 38.96N 48.67E 13 3.5L ¶14006223
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.
CSEM VII 14 01 29 44.3 38.76N 45.35E 14 3.5L
¶14686390
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
ISC VIII 14 01 29 44.0–.38 38.60N–.02 45.32E–.02 1–3 3.6b 160 0-28
NSSP VIII 14 01 29 41.4 38.60N 45.28E 5 3.7s ¶11525373
ISK VIII 14 01 29 42.8 38.61N 45.23E 5 3.8,3.7L
CSEM VIII 14 01 29 43.6–.15 38.58N 45.30E 2 3.8L,3.7L
TEH VIII 14 01 29 43.7 38.61N 45.28E 2 3.8L,3.7L
NEIC VIII 14 01 29 43.8 38.59N 45.27E 2 3.8b,3.8
THR VIII 14 01 29 44.3–.42 38.79N 45.39E 14–10 3.5L,3.8
IDC VIII 14 01 29 44.2–2.2 38.69N 45.26E 0 3.6,3.6b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=30.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=7.4km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=30.0km s-min=16.7km az=44.0.
ISC VIII 28 17 31 37.7–.54 39.75N–.03 48.25E–.06 35 27 1-13
CSEM VIII 28 17 31 33.4–.80 39.60N 48.26E 93–7 3.1b ¶11477917
TEH VIII 28 17 31 34.6 39.72N 48.41E 18 3.1b
ISCJB VIII 28 17 31 37.3–.49 39.74N–.03 48.19E–.06 33 3.1b
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 02 20 00 51.0–.35 38.67N–.01 45.81E–.01 2–2 4.8b,4.3s 1235 0-99
BGS IX 02 20 00 15.0–1.7 35.39N 47.34E 10–0 5.1b,4.3s ¶13393243
NSSP IX 02 20 00 48.8 38.65N 45.95E 10 4.9s,4.3s
BJI IX 02 20 00 49.5 38.86N 45.05E 31 4.9b,4.9b
ISCJB IX 02 20 00 50.6–.32 38.66N–.01 45.83E–.01 11–2 4.8b,4.3s
TEH IX 02 20 00 50.6 38.68N 45.74E 11 4.8b,4.3s
NEIC IX 02 20 00 50.8–.78 38.72N 45.79E 3–5 5.2,4.9b
IDC IX 02 20 00 50.3–.51 38.72N 45.74E 0 4.6,4.6
MOS IX 02 20 00 51.6–1.3 38.69N 45.84E 22 5.0b,4.3s
CSEM IX 02 20 00 51.7–.07 38.68N 45.79E 10 5.0W,4.9b
THR IX 02 20 00 51.9–.60 38.99N 45.92E 18–9 4.9L,4.9b
GCMT IX 02 20 00 54.5–.20 38.69N 45.79E 15–1 5.0W,4.9b
SZGRF IX 02 20 01 13.7 39.31N 43.27E 33 4.9b,3.9s
ISC Event type fe.
BGS Error ellipse: s-maj=664.9km s-min=690.7km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.6km az=28.0.
NEIC Event type fe. Error ellipse: s-maj=5.1km s-min=3.0km az=190.0. Felt at Yerevan, Armenia.
IDC Error ellipse: s-maj=10.4km s-min=8.5km az=163.0.
MOS Error ellipse: s-maj=4.9km s-min=2.7km az=129.6.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=32.0.
THR Error ellipse: s-maj=9.6km s-min=3.9km az=-1.0.
GCMT Event type se. Data Used: IU IC CN II G. Moment Tensor Solution. s31,c43; s78,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.67±.13 $M_{\theta\theta}$-2.82±.13; $M_{\phi\phi}$3.49±.12; $M_{r\theta}$-0.22±.36; $M_{\theta\phi}$-3.11±.11; $M_{\phi r}$-0.69±.33; Best double couple: NP1:ϕ_s113.00000°,δ80.00000° ,λ-179.00000°. NP2:ϕ_s23.00000°,δ89.00000°,λ-10.00000°. Principal axes: T 4.8200,Plg6.0000°,Azm68.0000°; N -0.6600,Plg80.0000°,Azm194.0000° ; P -4.1600,Plg8.0000°,Azm337.0000° $M_0$4.50000×10^{16}
SZGRF Turkey.
ISC IX 04 15 46 09.0–.51 38.35N–.04 45.09E–.04 10 37 1-3
NSSP IX 04 15 45 06.6 38.45N 45.13E 13 3.0L ¶11660546
ISK IX 04 15 46 07.9 38.44N 45.02E 5 3.2
ISCJB IX 04 15 46 08.4–.50 38.36N–.04 45.12E–.04 10 3.2
TEH IX 04 15 46 08.0 38.47N 45.07E 3 3.2
CSEM IX 04 15 46 09.1–.35 38.35N 45.04E 10 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.4km az=33.3.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=7.2km az=28.0.
ISC IX 05 11 01 35.9–.42 38.64N–.02 45.82E–.04 1–6 40 0-3
NSSP IX 05 11 01 34.9 38.63N 45.98E 17 3.1s ¶13828375
TEH IX 05 11 01 36.1 38.65N 45.78E 6 3.1s
CSEM IX 05 11 01 36.9–1.0 38.63N 45.67E 2 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.7km s-min=11.6km az=28.0.
ISC IX 06 03 58 38.9–.62 38.43N–.03 45.09E–.04 9–7 36 0-3
NSSP IX 06 03 58 36.6 38.47N 45.03E 13 3.0s ¶11660586
ISCJB IX 06 03 58 37.9–.68 38.44N–.03 45.10E–.03 0–8 3.0s
ISK IX 06 03 58 37.2 38.49N 45.07E 5 3.2
TEH IX 06 03 58 38.0 38.38N 44.97E 2 3.2
CSEM IX 06 03 58 39.7–.36 38.53N 45.07E 15 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.4km az=32.6.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=7.9km az=18.0.
ISC IX 17 23 13 13.5–.37 38.21N–.02 46.87E–.03 10 41 0-6
CSEM IX 17 23 13 10.4–.33 38.08N 46.66E 2 2.6L ¶14011037
ISCJB IX 17 23 13 12.9–.38 38.18N–.02 46.87E–.03 10 2.6L
TEH IX 17 23 13 12.7 38.33N 46.89E 11 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=5.0km az=43.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=163.9.
ISC IX 25 09 31 05.2–1.5 39.34N–.06 44.1E–.10 27–6 24 0-1
ISK IX 25 09 31 02.6 39.48N 44.14E 6 2.6L ¶11660909
ISCJB IX 25 09 31 05.7–1.8 39.34N–.05 44.0E–.10 26–20 2.6L
CSEM IX 25 09 31 06.7–.66 39.32N 43.89E 15 2.9
DDA IX 25 09 31 11.2 39.50N 43.57E 6–6 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=8.2km az=167.5.
CSEM Event type ke. Error ellipse: s-maj=16.8km s-min=9.5km az=69.0.
ISC X 12 13 51 18.6–.37 38.40N–.02 46.78E–.03 10 57 0-5
ISCJB X 12 13 51 17.9–.37 38.39N–.02 46.78E–.03 10 ¶13829721
TEH X 12 13 51 17.2 38.41N 46.90E 16
CSEM X 12 13 51 18.0–.25 38.40N 46.79E 2 3.5L
NSSP X 12 13 51 25.5 38.52N 46.77E 17 3.1s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=41.9.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.0km az=35.0.
ISC XI 08 04 14 36.8–.33 38.67N–.02 46.53E–.03 10 60 0-4
TEH XI 08 04 14 35.7 38.73N 46.57E 22 ¶13832671
ISCJB XI 08 04 14 36.1–.34 38.65N–.02 46.55E–.03 10
CSEM XI 08 04 14 36.1–.22 38.66N 46.54E 2 3.5L
NSSP XI 08 04 14 41.8 38.73N 46.52E 10 2.9s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=156.8.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=50.0.
ISC XI 18 08 43 55.6–.43 39.28N–.02 44.42E–.03 10 76 0-3
NSSP XI 18 08 43 48.6 39.37N 44.40E 10 3.2s ¶12073991
ISCJB XI 18 08 43 54.9–.43 39.28N–.02 44.42E–.03 10 3.2s
CSEM XI 18 08 43 54.9–.32 39.25N 44.46E 2 3.5
ISK XI 18 08 43 54.4 39.36N 44.46E 22 3.5
DDA XI 18 08 43 56.0 39.27N 44.38E 7–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=25.1.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=113.0.
ISC XII 07 16 22 27.5–.30 39.35N–.02 45.21E–.03 35 103 0-2
TIF XII 07 16 22 19.8 39.20N 45.20E 27–4 ¶12854334
DDA XII 07 16 22 23.3 39.31N 45.32E 7–1 3.1
CSEM XII 07 16 22 24.9–.25 39.40N 45.19E 2 3.1L

TEH	XII	07 16 22 24.7	39.38N	45.35E	7	3.1L		
ISCJB	XII	07 16 22 26.8–.29	39.34N–.02	45.22E–.03	33	3.1L		
ISK	XII	07 16 22 26.4	39.43N	44.90E	5	3.1L		
NSSP	XII	07 16 23 21.1	39.35N	45.22E	16	3.0s		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.5km s-min=5.2km az=154.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=142.4.							
ISC	**XII**	**13 08 51 05.7–.75**	**39.04N–.07**	**48.89E–.05**	**10**		**29**	**1-5**
ISCJB	XII	13 08 51 05.1–.89	38.98N–.08	48.94E–.05	10			**¶14012051**
TEH	XII	13 08 51 05.2	39.09N	48.91E	10			
CSEM	XII	13 08 51 06.0–.43	38.99N	48.87E	10	3.0L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.3km s-min=5.1km az=177.2.							
CSEM	Event type ke. Error ellipse: s-maj=13.0km s-min=4.8km az=4.0.							

(345) Northwestern Iran.

ISC	**VII**	**13 22 30 08.4–.50**	**37.80N–.02**	**48.17E–.02**	**7–3**	**4.3b,2.8s**	**369**	**0-69**
ISCJB	VII	13 22 30 06.7–.51	37.84N–.02	48.20E–.02	8–3	4.3b,2.8s		**¶13389126**
IDC	VII	13 22 30 06.7–.78	37.67N	48.19E	0	4.1b,4.1		
THR	VII	13 22 30 08.2–.68	37.73N	48.21E	14–5	4.1L,4.1		
NEIC	VII	13 22 30 08.8	37.83N	48.16E	4	4.4b,4.1L		
MOS	VII	13 22 30 08.8–.90	37.64N	48.22E	33	4.5b,4.1L		
CSEM	VII	13 22 30 08.6–.09	37.78N	48.16E	10	4.4b,3.1s		
TEH	VII	13 22 30 08.5	37.84N	48.20E	3	4.4b,3.1s		
NNC	VII	13 22 30 17.6–8.6	38.44N	48.98E	10–63	4.4b,3.1s		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=39.1.							
IDC	Error ellipse: s-maj=15.4km s-min=11.0km az=22.0.							
THR	Error ellipse: s-maj=2.5km s-min=5.5km az=-1.0.							
NEIC	Event type se. After TEH.							
MOS	Error ellipse: s-maj=8.9km s-min=6.4km az=121.5.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=36.0.							
NNC	Error ellipse: s-maj=74.7km s-min=35.3km az=94.0.							
ISC	**X**	**13 03 30 55.2–.66**	**37.41N–.06**	**45.29E–.06**	**10**		**35**	**1-4**
CSEM	X	13 03 30 51.1–1.5	36.44N	44.52E	24–9	3.2		**¶11661283**
ISCJB	X	13 03 30 53.3–.64	37.38N–.06	45.16E–.04	10	3.2		
ISK	X	13 03 30 53.1	36.77N	44.69E	18	3.2		
TEH	X	13 03 30 56.2	37.46N	45.28E	11	3.2		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=50.5km s-min=20.6km az=39.0.							
ISCJB	Event type ke. Error ellipse: s-maj=8.8km s-min=5.0km az=174.7.							
ISC	**XI**	**21 10 12 13.4–.37**	**37.34N–.02**	**45.02E–.03**	**10**		**75**	**1-9**
ISK	XI	21 10 12 07.6	36.85N	44.96E	11	3.5		**¶12074386**
ISCJB	XI	21 10 12 11.4–.37	37.27N–.02	45.04E–.03	10	3.5		
TEH	XI	21 10 12 13.6	37.39N	44.94E	4	3.5		
CSEM	XI	21 10 12 13.0–.24	37.32N	45.04E	2	3.8L		
KISR	XI	21 10 12 14.8–.40	35.75N	42.67E	34–999	3.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=140.3.							
CSEM	Event type ke. Error ellipse: s-maj=5.6km s-min=5.2km az=62.0.							
KISR	Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.							

(346) Iran-Iraq border region.

CSEM	**VII**	**16 08 52 10.4–.35**	**35.19N**	**46.37E**	**10**	**3.7L**		
								¶14680003
CSEM	Event type ke. Error ellipse: s-maj=11.0km s-min=4.5km az=111.0.							
ISC	**VII**	**16 13 56 27.3–.58**	**31.40N–.03**	**47.28E–.09**	**35**		**32**	**2-5**
KISR	VII	16 13 56 18.1–.77	31.65N	47.19E	42–999	3.0L		**¶12608531**
TEH	VII	16 13 56 19.9	30.85N	46.85E	35	3.0L		
ISCJB	VII	16 13 56 25.4–.57	31.39N–.03	47.25E–.07	33	3.0L		
CSEM	VII	16 13 56 25.4–.31	31.29N	47.19E	40	3.0L		
ISC	Event type ke.							
KISR	Error ellipse: s-maj=999.9km s-min=135.4km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=9.2km s-min=4.8km az=4.6.							
CSEM	Event type ke. Error ellipse: s-maj=12.1km s-min=6.6km az=90.0.							
CSEM	**VII**	**27 21 52 39.4–.13**	**32.38N**	**47.38E**	**2**	**5.4L**		
								¶14680950
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=2.1km az=109.0.							
CSEM	**VII**	**27 23 04 19.1–.12**	**32.18N**	**47.73E**	**30**	**3.6L**		
								¶14680952
CSEM	Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=103.0.							
ISC	**VIII**	**07 18 31 15.6–1.3**	**33.55N–.05**	**45.78E–.07**	**16–10**		**19**	**1-6**
ISCJB	VIII	07 18 31 15.4–1.0	33.43N–.04	45.83E–.09	15–13			**¶12608564**
TEH	VIII	07 18 31 15.8	33.57N	45.71E	19			
KISR	VIII	07 18 31 16.6–.75	33.25N	46.13E	6–999	2.9L		
ISCJB	Error ellipse: s-maj=13.9km s-min=5.6km az=23.6.							
KISR	Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.							
ISC	**VIII**	**08 17 34 54.5–1.4**	**33.86N–.06**	**46.63E–.07**	**4–13**		**20**	**0-5**
ISCJB	VIII	08 17 34 53.6–1.1	33.85N–.06	46.65E–.07	9–13			**¶12608567**
TEH	VIII	08 17 34 56.0	33.93N	46.69E	6			
KISR	VIII	08 17 34 57.0–1.1	33.66N	46.93E	23–999	2.9L		
ISCJB	Error ellipse: s-maj=10.4km s-min=9.7km az=164.2.							
KISR	Error ellipse: s-maj=999.9km s-min=557.6km az=-1.0.							
ISC	**VIII**	**09 00 10 13.2–2.2**	**33.51N–.07**	**45.9E–.10**	**15–14**		**15**	**1-5**
ISCJB	VIII	09 00 10 12.2–2.0	33.47N–.07	46.0E–.10	13–14			**¶12608569**
TEH	VIII	09 00 10 12.3	33.57N	45.73E	16			
KISR	VIII	09 00 10 16.0–.68	32.86N	45.43E	6–999	2.6L		
ISCJB	Error ellipse: s-maj=18.9km s-min=10.7km az=15.0.							
KISR	Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.							
ISC	**VIII**	**16 08 52 10.0–.88**	**35.13N–.03**	**46.49E–.03**	**7–7**	**3.7b**	**100**	**0-80**
IDC	VIII	16 08 52 07.8–1.1	35.09N	46.45E	0	3.8,3.8b		**¶11908299**
ISCJB	VIII	16 08 52 09.1–.76	35.09N–.03	46.45E–.03	14–6	3.7b,3.8b		
CSEM	VIII	16 08 52 10.2–.20	35.06N	46.53E	15	3.9L,3.8b		
NEIC	VIII	16 08 52 10.3–1.0	35.30N	46.45E	10	3.7L,3.8b		
TEH	VIII	16 08 52 10.5	35.11N	46.51E	9	3.7L,3.8b		
THR	VIII	16 08 52 10.6–.42	35.24N	46.53E	14–10	3.7L,3.8b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=22.6km s-min=13.2km az=148.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=26.9.							
CSEM	Event type ke. Error ellipse: s-maj=7.4km s-min=4.7km az=39.0.							
NEIC	Event type se. Error ellipse: s-maj=17.5km s-min=11.7km az=152.0.							
THR	Error ellipse: s-maj=2.6km s-min=7.1km az=-1.0.							
ISC	**VIII**	**23 14 06 05.9–1.4**	**31.48N–.02**	**47.55E–.05**	**0–9**		**32**	**2-6**
TEH	VIII	23 14 06 05.4	31.35N	47.44E	7			**¶12608597**
KISR	VIII	23 14 06 06.8–.58	31.15N	47.98E	1–5	2.5L		
KISR	Error ellipse: s-maj=10.6km s-min=10.5km az=-1.0.							
ISC	**VIII**	**24 01 34 45.1–.55**	**31.50N–.04**	**47.62E–.09**	**10**		**14**	**2-5**
TEH	VIII	24 01 34 40.8	31.18N	47.33E	7			**¶12608598**
KISR	VIII	24 01 34 41.9–1.4	31.34N	47.61E	34–0	3.2,2.6L		
ISCJB	VIII	24 01 34 44.3–.55	31.52N–.03	47.62E–.09	10	3.2,2.6L		
ISC	**VIII**	**27 21 52 39.3–.32**	**32.32N–.01**	**47.38E–.01**	**18–2**	**5.4s,5.3b**	**2133**	**1-171**
BJI	VIII	27 21 52 29.3	32.12N	46.49E	10	5.9s,5.6		**¶14877757**
ISCJB	VIII	27 21 52 35.8–.31	32.29N–.01	47.38E–.01	8–1	5.4s,5.3b		
NEIC	VIII	27 21 52 38.1–.16	32.31N	47.35E	10	5.7W,5.7W		
IDC	VIII	27 21 52 38.7–1.7	32.42N	47.39E	16–9	5.3s,5.3		
THR	VIII	27 21 52 39.9–.88	32.36N	47.36E	32–12	5.6L,5.3		
MOS	VIII	27 21 52 39.4–1.1	32.36N	47.35E	33	5.4b,5.1s		
CSEM	VIII	27 21 52 40.7–.06	32.32N	47.36E	29	5.7W,5.3b		
OMAN	VIII	27 21 52 40.3–3.1	32.16N	47.54E	17–0	5.7W,5.3b		
TEH	VIII	27 21 52 40.7	32.34N	47.33E	20	5.7W,5.3b		
GCMT	VIII	27 21 52 43.4–.10	32.23N	47.36E	12–0	5.8W,5.3b		
SGS	VIII	27 21 52 46.8	32.14N	47.72E	54	5.8W,5.3b		
SZGRF	VIII	27 21 52 48.7	33.12N	46.12E	33	5.2b,5.1s		
DJA	VIII	27 21 52 57	32.15N	47.99E	149	5.5b,5.1s		
BGS	VIII	27 21 53 15.2–1.9	35.55N	43.44E	10–0	5.1b,5.0s		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=2.2km s-min=1.5km az=21.6.							
NEIC	Event type fe. Error ellipse: s-maj=3.9km s-min=2.0km az=183.0. Felt [IV] at As Salimiyah; [III] at Al Farwaniyah and Hawalli; [II] at Kuwait, Kuwait. Felt at Abu Hulayfah, Al Fintas, Al Fuhayhil, Al Jabiriyah, Al Mahbulah and Salwa. Also felt at Al 'Amarah and Al Basrah, Iraq and at Ahvaz, Iran. Moment Tensor Solution. s39 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74 $M_{\theta\theta}$-3.10 $M_{\phi\phi}$2.36 $M_{r\theta}$0.07 $M_{\theta\phi}$2.82 $M_{\phi r}$-0.25 Best double couple: NP1:ϕ_s248.00000°,δ86.00000°,λ2.00000°. NP2:ϕ_s158.00000°,δ88.00000°,λ176.00000°. Principal axes: T 3.5700,Plg4.0000°,Azm112.0000°; N 0.7300,Plg85.0000°,Azm317.0000° ; P -4.3000,Plg1.0000°,Azm203.0000° $M_0$4.00000×10^{17}							
IDC	Error ellipse: s-maj=9.6km s-min=9.1km az=5.0.							
THR	Error ellipse: s-maj=5.5km s-min=15.5km az=-1.0.							
MOS	Error ellipse: s-maj=5.2km s-min=2.5km az=129.4.							
CSEM	Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=10.0.							
OMAN	Error ellipse: s-maj=1.7km s-min=0.7km az=246.0.							
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=227, per= 50. Moment Tensor Solution. s97,c187; s50,c67; Moment tensor: Scale 10^{17}Nm; M_{rr}1.19±.05 $M_{\theta\theta}$-4.68±.06; $M_{\phi\phi}$3.48±.06; $M_{r\theta}$0.97±.16; $M_{\theta\phi}$4.03±.05; $M_{\phi r}$-0.43±.14; Best double couple: NP1:ϕ_s247.00000°,δ84.00000°,λ-5.00000°. NP2:ϕ_s338.00000°,δ85.00000°,λ-174.00000°. Principal axes: T 5.1400,Plg0.0000°,Azm21.0000°; N 1.3400,Plg82.0000°,Azm19.0000° ; P -6.4800,Plg8.0000°,Azm202.0000° $M_0$5.80000×10^{17}							
SZGRF	Iran-Iraq border region.							
BGS	Error ellipse: s-maj=457.7km s-min=482.6km az=-1.0.							
ISC	**VIII**	**27 22 56 17.6–2.1**	**32.30N–.03**	**47.49E–.06**	**6–14**		**25**	**2-6**
ISCJB	VIII	27 22 56 16.6–1.7	32.29N–.03	47.53E–.06	6–11			**¶12608616**
KISR	VIII	27 22 56 16.2–.83	32.33N	48.22E	43–999	2.9L		
TEH	VIII	27 22 56 18.2	32.23N	47.41E	18	2.9L		
ISCJB	Error ellipse: s-maj=8.4km s-min=4.7km az=2.5.							
KISR	Error ellipse: s-maj=16.7km s-min=41.1km az=-1.0.							
ISC	**VIII**	**27 23 04 11.7–.74**	**32.49N–.03**	**47.18E–.04**	**7–5**	**3.6b**	**129**	**1-46**
IDC	VIII	27 23 04 10.5–1.9	32.51N	47.18E	0	3.8,3.8		**¶11908957**
ISCJB	VIII	27 23 04 10.2–.69	32.52N–.03	47.18E–.04	8–5	3.6b,3.8		
THR	VIII	27 23 04 10.6–.40	31.94N	47.09E	45–6	3.5L,3.8		
TEH	VIII	27 23 04 14.6	32.50N	47.42E	2	3.5L,3.8		
CSEM	VIII	27 23 04 14.3–.33	32.42N	47.21E	30	3.5L,3.8		
NEIC	VIII	27 23 04 15.5	32.44N	47.37E	16	3.5b,3.5		
SGS	VIII	27 23 04 17.2	32.18N	47.36E	28	3.5b,3.5		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=46.7km s-min=22.6km az=156.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=148.7.							
THR	Error ellipse: s-maj=9.5km s-min=7.0km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=10.0km s-min=6.1km az=31.0.							
NEIC	Event type se. After TEH.							
ISC	**VIII**	**27 23 16 18.8–.50**	**32.05N–.02**	**47.26E–.06**	**10**		**26**	**2-5**
ISCJB	VIII	27 23 16 18.2–.50	32.07N–.02	47.33E–.05	10			**¶12608617**
TEH	VIII	27 23 16 19.9	32.11N	47.29E	7			
KISR	VIII	27 23 16 20.0–1.0	32.38N	47.68E	43–999	2.7L		
ISCJB	Error ellipse: s-maj=6.7km s-min=3.5km az=175.4.							
KISR	Error ellipse: s-maj=25.5km s-min=73.9km az=-1.0.							
TEH	**VIII**	**28 00 30 12.8**	**32.38N**	**47.28E**	**18**			
KISR	VIII	28 00 30 11.5–.50	31.93N	48.23E	34–617	2.3L		**¶12788984**
KISR	Error ellipse: s-maj=999.9km s-min=355.6km az=-1.0.							
ISC	**VIII**	**28 02 44 00.3–2.2**	**32.24N–.03**	**47.52E–.06**	**7–16**		**24**	**2-6**
ISCJB	VIII	28 02 43 59.7–1.8	32.24N–.03	47.57E–.06	9–13			**¶12608621**
KISR	VIII	28 02 44 00.6–.56	31.96N	46.35E	16–999	2.7L		
TEH	VIII	28 02 44 01.2	32.14N	47.42E	24	2.7L		
SGS	VIII	28 02 44 03.6	31.99N	47.57E	29	2.7L		
ISCJB	Error ellipse: s-maj=8.4km s-min=5.2km az=3.8.							
KISR	Error ellipse: s-maj=999.9km s-min=813.7km az=-1.0.							
ISC	**VIII**	**28 04 48 42.9–.47**	**32.38N–.03**	**47.38E–.08**	**10**		**19**	**2-6**
KISR	VIII	28 04 48 40.0–.87	32.16N	48.06E	34–365	2.9L		**¶12608623**
ISCJB	VIII	28 04 48 41.7–.49	32.40N–.03	47.39E–.08	10	2.9L		
SGS	VIII	28 04 48 45.6	32.23N	47.43E	53	2.9L		
TEH	VIII	28 04 48 46.2	32.46N	47.45E	30	2.9L		
KISR	Error ellipse: s-maj=665.4km s-min=121.3km az=-1.0.							
ISCJB	Error ellipse: s-maj=10.2km s-min=3.5km az=174.5.							
ISC	**VIII**	**28 05 11 29.0–.47**	**32.23N–.03**	**47.42E–.07**	**10**		**19**	**2-5**
TEH	VIII	28 05 11 26.0	32.01N	47.28E	5			**¶12608624**
ISCJB	VIII	28 05 11 27.8–.49	32.25N–.03	47.43E–.07	10			
KISR	VIII	28 05 11 27.1–.62	32.08N	47.61E	6–999	2.5L		
SGS	VIII	28 05 11 31.6	31.95N	47.58E	24	2.5L		
ISCJB	Error ellipse: s-maj=9.1km s-min=4.0km az=173.3.							
KISR	Error ellipse: s-maj=999.9km s-min=72.4km az=-1.0.							
ISC	**VIII**	**28 09 13 14.2–1.5**	**32.28N–.03**	**47.40E–.06**	**4–10**		**30**	**1-9**
THR	VIII	28 09 13 11.9–.62	31.92N	47.24E	37–10	3.6L		**¶12608629**
ISCJB	VIII	28 09 13 13.8–1.4	32.29N–.03	47.44E–.06	8–10	3.6L		
KISR	VIII	28 09 13 14.0–1.0	32.36N	47.66E	44–999	3.1L		
TEH	VIII	28 09 13 16.8	32.31N	47.43E	22	3.1L		
SGS	VIII	28 09 13 19.0	32.15N	47.61E	4	3.1L		
THR	Error ellipse: s-maj=14.0km s-min=10.4km az=-1.0.							
ISCJB	Error ellipse: s-maj=9.0km s-min=5.1km az=171.4.							
KISR	Error ellipse: s-maj=999.9km s-min=50.6km az=-1.0.							
ISC	**VIII**	**28 13 31 26.5–2.2**	**32.26N–.05**	**47.46E–.08**	**9–18**		**19**	**2-5**
KISR	VIII	28 13 31 23.6–1.1	31.97N	48.15E	34–999	2.5L		**¶12608630**
TEH	VIII	28 13 31 29.0	32.32N	47.41E	27	2.5L		
KISR	Error ellipse: s-maj=999.9km s-min=837.9km az=-1.0.							
ISC	**VIII**	**28 13 54 45.3–.50**	**32.32N–.02**	**47.38E–.09**	**10**		**18**	**2-5**
ISCJB	VIII	28 13 54 44.1–.51	32.32N–.02	47.40E–.09	10			**¶12608631**
KISR	VIII	28 13 54 44.8–1.0	32.33N	47.56E	34–178	2.6L		
TEH	VIII	28 13 54 47.7	32.36N	47.45E	21	2.6L		
ISCJB	Error ellipse: s-maj=10.6km s-min=3.5km az=0.7.							
KISR	Error ellipse: s-maj=18.4km s-min=48.8km az=-1.0.							
ISC	**VIII**	**28 18 25 55.9–.47**	**32.27N–.03**	**47.27E–.09**	**10**		**24**	**2-10**
KISR	VIII	28 18 25 53.8–.28	32.00N	46.29E	34–0	2.4L		**¶12608632**
CSEM	VIII	28 18 25 54.9	32.69N	47.33E	57	3.2L		
SGS	VIII	28 18 25 54.9	32.69N	47.33E	57	3.2L		
ISCJB	VIII	28 18 25 55.1–.55	32.25N–.03	47.31E–.09	10	3.2L		
TEH	VIII	28 18 25 56.6	32.28N	47.36E	9	3.2L		
ISC	Event type ke.							
KISR	Error ellipse: s-maj=6.1km s-min=12.8km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After SNSN.							
ISCJB	Event type ke. Error ellipse: s-maj=11.3km s-min=4.6km az=4.9.							
ISC	**VIII**	**28 22 40 51.8–.43**	**32.21N–.03**	**47.33E–.07**	**10**		**28**	**2-9**
ISCJB	VIII	28 22 40 50.8–.47	32.25N–.03	47.35E–.07	10			**¶12608633**
KISR	VIII	28 22 40 50.2–.53	31.87N	46.45E	34–999	2.2L		
TEH	VIII	28 22 40 52.0	32.18N	47.38E	8	2.2L		
CSEM	VIII	28 22 40 55.9	32.15N	47.59E	40	3.3L		
SGS	VIII	28 22 40 55.9	32.15N	47.59E	40	3.3L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.0km s-min=3.8km az=0.0.							
KISR	Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After SNSN.							
ISC	**VIII**	**29 06 44 33.9–2.7**	**32.33N–.04**	**47.26E–.07**	**18–20**		**23**	**2-10**
SGS	VIII	29 06 44 31.2	32.75N	47.35E	63			**¶12608636**
TEH	VIII	29 06 44 31.4	32.22N	47.21E	9			
KISR	VIII	29 06 44 31.7–1.1	32.36N	48.17E	37–999	2.7L		
KISR	Error ellipse: s-maj=999.9km s-min=303.9km az=-1.0.							
ISC	**VIII**	**29 12 02 03.1–.46**	**32.45N–.02**	**47.34E–.07**	**10**		**22**	**2-5**
KISR	VIII	29 12 01 59.4–1.0	32.35N	47.60E	5–999	3.0L		**¶12608638**
ISCJB	VIII	29 12 02 02.0–.46	32.44N–.02	47.39E–.07	10	3.0L		
TEH	VIII	29 12 02 07.1	32.58N	47.46E	28	3.0L		
KISR	Error ellipse: s-maj=999.9km s-min=41.7km az=-1.0.							
ISCJB	Error ellipse: s-maj=8.4km s-min=3.6km az=179.0.							
ISC	**VIII**	**29 12 16 00.3–.50**	**32.42N–.03**	**47.34E–.07**	**10**		**23**	**2-10**
KISR	VIII	29 12 15 58.4–1.0	32.35N	47.65E	16–999	2.7L		**¶12608639**
ISCJB	VIII	29 12 15 59.9–.54	32.40N–.03	47.45E–.07	10	2.7L		
SGS	VIII	29 12 16 02.6	32.24N	47.46E	27	2.7L		
TEH	VIII	29 12 16 03.4	32.54N	47.47E	18	2.7L		
KISR	Error ellipse: s-maj=999.9km s-min=72.5km az=-1.0.							
ISCJB	Error ellipse: s-maj=9.1km s-min=4.4km az=10.3.							
TEH	**IX**	**02 17 14 16.8**	**32.15N**	**47.45E**	**9**			
KISR	IX	02 17 14 16.6–.30	31.83N	46.60E	34–0	2.6L		**¶12608656**
KISR	Error ellipse: s-maj=13.3km s-min=38.9km az=-1.0.							
ISC	**IX**	**02 21 06 15.2–1.4**	**32.24N–.04**	**47.44E–.06**	**15–10**		**39**	**1-5**
THR	IX	02 21 06 05.9–.32	31.74N	47.11E	14–5	3.6L		**¶12608662**
ISCJB	IX	02 21 06 12.2–1.5	32.22N–.04	47.43E–.06	0–11	3.6L		
TEH	IX	02 21 06 14.2	32.15N	47.40E	13	3.6L		
CSEM	IX	02 21 06 14.2–.70	32.22N	47.43E	10	3.5L		

KISR IX 02 21 06 18.8–1.1 30.91N 45.73E 34–44 3.3L
ISC Event type ke.
THR Error ellipse: s-maj=7.5km s-min=4.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.6km az=151.7.
CSEM Event type ke. Error ellipse: s-maj=17.7km s-min=5.7km az=36.0.
KISR Error ellipse: s-maj=35.6km s-min=73.7km az=-1.0.
ISC IX 02 22 32 19.5–1.4 32.20N–.04 47.43E–.05 8–10 37 1-6
KISR IX 02 22 32 12.6–.55 32.22N 46.27E 34–591 2.9L **¶12608666**
ISCJB IX 02 22 32 19.0–1.3 32.22N–.04 47.46E–.05 13–9 2.9L
CSEM IX 02 22 32 18.9–.71 32.23N 47.48E 2 3.4L
TEH IX 02 22 32 22.3 32.22N 47.44E 28 3.4L
ISC Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=433.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.6km az=138.5.
CSEM Event type ke. Error ellipse: s-maj=22.8km s-min=11.2km az=128.0.
ISC IX 03 22 43 12.8–.10 32.32N–.01 47.29E–.01 10 5.1b,4.3s 1753 1-130
BGS IX 03 22 43 00.2–1.6 31.08N 48.19E 6–999 5.4b,4.3s **¶12922510**
BJI IX 03 22 43 09.3 32.31N 46.55E 36 5.2b,5.0b
ISCJB IX 03 22 43 10.8–.10 32.31N–.01 47.30E–.01 10 5.1b,4.3s
CSEM IX 03 22 43 12.7–.06 32.34N 47.30E 10 5.1W,5.1b
NEIC IX 03 22 43 13.0 32.30N 47.20E 8 5.1b,5.0
TEH IX 03 22 43 13.7 32.30N 47.23E 8 5.1b,5.0
IDC IX 03 22 43 14.5–1.5 32.52N 47.36E 21–9 4.8,4.8
MOS IX 03 22 43 14.3–.97 32.40N 47.34E 33 5.3b,4.2s
SGS IX 03 22 43 14.9 32.26N 47.39E 0 5.3b,4.2s
OMAN IX 03 22 43 15.4–.05 32.05N 47.04E 43–0 5.3b,4.2s
THR IX 03 22 43 15.4–.80 32.50N 47.39E 14–7 4.9L,4.2s
GCMT IX 03 22 43 16.8–.20 32.44N 47.10E 12 5.1W,4.2s
SZGRF IX 03 22 43 25.8 33.01N 46.12E 33 5.3b,4.1s
DJA IX 03 22 43 26 30.31N 49.05E 10 5.6b,4.1s
ISC Event type ke.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=22.6.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=11.0.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=7.8km s-min=7.2km az=149.0.
MOS Error ellipse: s-maj=6.9km s-min=3.0km az=124.8.
OMAN Error ellipse: s-maj=3.7km s-min=1.0km az=243.0.
THR Error ellipse: s-maj=5.3km s-min=11.3km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s38,c52; s76,c138; Moment tensor: Scale 10^{16}Nm; M_{rr}4.56±.13 $M_{\theta\theta}$-3.92±.11; $M_{\phi\phi}$-0.64±.13; $M_{r\theta}$1.60±.39; $M_{\theta\phi}$3.27±.10; $M_{\phi r}$-1.51±.48; Best double couple: NP1:ϕ_s294.00000°,δ34.00000°,λ78.00000°. NP2:ϕ_s128.00000°,δ57.00000°,λ98.00000°. Principal axes: T 5.0400,Plg77.0000° ,Azm63.0000°; N 1.3200,Plg7.0000°,Azm304.0000°; P -6.3700,Plg11.0000°,Azm212.0000° M_o5.70000×10^{16}
SZGRF Iran-Iraq border region.
ISC IX 03 23 14 42.1–.35 32.35N–.02 47.21E–.05 10 3.7b 106 2-46
IDC IX 03 23 14 39.3–2.0 32.33N 47.28E 0 4.0b,4.0 **¶11909416**
ISCJB IX 03 23 14 39.6–.38 32.34N–.02 47.12E–.05 10 3.7b,4.0
CSEM IX 03 23 14 43.5–.26 32.42N 47.35E 10 3.9b,4.0
SGS IX 03 23 14 43.3 32.47N 47.37E 12 3.9b,4.0
TEH IX 03 23 14 43.8 32.35N 47.30E 8 3.9b,4.0
KISR IX 03 23 14 43.3–.95 32.48N 47.72E 44–999 3.0L,4.0
NEIC IX 03 23 14 45.5 32.41N 47.36E 15 3.8b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=62.7km s-min=24.4km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.4km az=177.4.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.7km az=86.0.
KISR Error ellipse: s-maj=999.9km s-min=116.5km az=-1.0.
NEIC Event type se. After TEH.
ISC IX 04 08 42 46.4–1.1 32.43N–.03 47.23E–.04 12–7 3.6b 74 1-84
IDC IX 04 08 42 43.2–1.9 32.43N 47.26E 0 3.8,3.7 **¶11909448**
NEIC IX 04 08 42 44.6–.71 32.33N 47.21E 10 3.6b,3.3L
KISR IX 04 08 42 45.0–.82 32.05N 45.82E 18–999 2.9L,3.3L
CSEM IX 04 08 42 46.0–.24 32.43N 47.23E 10 3.3L,3.3L
TEH IX 04 08 42 47.0 32.39N 47.23E 11 3.3L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=45.0km s-min=20.5km az=159.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.0km az=175.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.7km az=85.0.
ISC IX 06 23 53 31.1–.17 32.40N–.02 47.25E–.02 15 4.5b,3.3s 470 1-100
ISCJB IX 06 23 53 28.9–.19 32.36N–.02 47.24E–.02 15 4.5b,3.3s **¶13393629**
IDC IX 06 23 53 28.2–.77 32.40N 47.37E 0 4.3,4.2
MOS IX 06 23 53 30.8–.92 32.27N 47.26E 33 4.6b,4.2
THR IX 06 23 53 30.2–.47 32.35N 47.35E 15–0 3.9L,4.2
BJI IX 06 23 53 31.4 32.40N 47.30E 39 4.8b,4.6b
SGS IX 06 23 53 32.0 32.31N 47.34E 5 4.8b,4.6b
TEH IX 06 23 53 33.4 32.41N 47.35E 19 4.8b,4.6b
NEIC IX 06 23 53 33.4 32.41N 47.35E 19 4.5b,4.1
CSEM IX 06 23 53 33.2–.09 32.42N 47.28E 33 4.4b,4.1
BGS IX 06 23 53 47.9–2.0 33.66N 45.72E 33–0 5.1b,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=15.9.
IDC Error ellipse: s-maj=20.0km s-min=11.7km az=179.0.
MOS Error ellipse: s-maj=7.0km s-min=4.2km az=121.0.
THR Error ellipse: s-maj=6.0km s-min=2.5km az=-1.0.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=14.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IX 07 04 43 12.1–1.3 32.41N–.03 47.24E–.04 20–9 3.7b 97 2-84
IDC IX 07 04 43 08.7–1.9 32.56N 47.21E 0 3.9,3.9L **¶13393651**
THR IX 07 04 43 09.3–.71 32.31N 47.31E 15–0 3.6L,3.9L
CSEM IX 07 04 43 10.6–.22 32.42N 47.25E 10 3.7L,3.9L
NEIC IX 07 04 43 10.7 32.40N 47.42E 15 3.8b,3.7
TEH IX 07 04 43 11.7 32.38N 47.27E 11 3.8b,3.7
SGS IX 07 04 43 11.2 32.32N 47.34E 1 3.8b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=23.2km az=152.0.
THR Error ellipse: s-maj=19.9km s-min=4.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.6km az=95.0.
NEIC Event type se. After THR.
ISC IX 08 06 57 16.7–1.5 32.31N–.04 47.36E–.06 2–11 27 1-5
KISR IX 08 06 57 14.7–.84 32.49N 47.44E 34–999 2.8L **¶12608709**
CSEM IX 08 06 57 16.4–.20 32.32N 47.34E 2 2.8L
TEH IX 08 06 57 16.5 32.22N 47.30E 11 2.8L
ISC Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=57.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.6km az=100.0.
ISC IX 08 15 51 45.3–1.3 32.73N–.06 47.40E–.06 3–9 17 1-4
TEH IX 08 15 51 44.3 32.56N 47.22E 11 **¶14011013**
CSEM IX 08 15 51 45.7 32.78N 47.40E 14 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
ISC IX 08 17 39 14.0–1.6 32.19N–.04 47.38E–.06 8–11 24 1-6
ISCJB IX 08 17 39 14.1–1.5 32.22N–.04 47.50E–.07 10–11 **¶14011015**
TEH IX 08 17 39 16.8 32.20N 47.44E 27
CSEM IX 08 17 39 16.5–1.0 32.36N 47.61E 2 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.7km az=160.6.
CSEM Event type ke. Error ellipse: s-maj=26.4km s-min=12.6km az=43.0.
ISC IX 08 17 50 17.1–1.1 32.34N–.03 47.28E–.04 6–7 3.7b,3.2s 99 1-100
IDC IX 08 17 50 15.2–1.6 32.38N 47.16E 0 3.8b,3.8 **¶13393806**
ISCJB IX 08 17 50 16.0–1.0 32.36N–.03 47.30E–.04 9–7 3.7b,3.2s
NEIC IX 08 17 50 16.2 32.25N 47.26E 14 3.7L,3.5b
THR IX 08 17 50 16.2–.58 32.24N 47.26E 14–9 3.7L,3.5b
CSEM IX 08 17 50 18.5–.19 32.36N 47.29E 15 3.7L,3.5b
TEH IX 08 17 50 20.5 32.39N 47.40E 16 3.7L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=34.4km s-min=17.9km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.0km az=150.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=3.6km s-min=6.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.8km az=81.0.
ISC IX 09 21 31 27.6–.33 32.46N–.02 47.22E–.04 10 3.7b 128 2-48
IDC IX 09 21 31 24.4–1.9 32.47N 47.20E 0 3.8b,3.8 **¶13393928**
KISR IX 09 21 31 25.9–1.1 32.18N 48.14E 34–999 3.0L,3.8
THR IX 09 21 31 25.4–.74 32.24N 47.25E 15–0 3.5L,3.8
ISCJB IX 09 21 31 26.2–.35 32.49N–.02 47.23E–.04 10 3.7b,3.8
CSEM IX 09 21 31 27.0–.24 32.42N 47.20E 10 3.8b,3.8
NEIC IX 09 21 31 28.0 32.38N 47.27E 9 3.8b,3.6
TEH IX 09 21 31 28.0 32.38N 47.27E 9 3.8b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=45.3km s-min=20.5km az=153.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
THR Error ellipse: s-maj=21.9km s-min=5.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=172.9.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.9km az=48.0.
NEIC Event type se. After TEH.
ISC IX 10 10 44 07.2–2.2 32.33N–.04 47.41E–.04 0–14 20 2-4
KISR IX 10 10 44 02.7–.30 32.29N 47.07E 34–0 2.9L **¶12608729**
ISCJB IX 10 10 44 06.7–1.8 32.33N–.04 47.43E–.04 4–11 2.9L
TEH IX 10 10 44 09.3 32.33N 47.42E 11 2.9L
KISR Error ellipse: s-maj=9.9km s-min=86.6km az=-1.0.
ISCJB Error ellipse: s-maj=6.9km s-min=5.4km az=39.5.
ISC IX 12 07 41 38.0–2.7 32.35N–.04 47.44E–.08 5–19 13 2-4
KISR IX 12 07 41 35.4–.44 32.21N 47.48E 2–999 2.7L **¶12608757**
ISCJB IX 12 07 41 38.0–2.2 32.34N–.04 47.47E–.07 12–15 2.7L
TEH IX 12 07 41 38.4 32.25N 47.35E 16 2.7L
KISR Error ellipse: s-maj=999.9km s-min=130.8km az=-1.0.
ISCJB Error ellipse: s-maj=10.5km s-min=6.1km az=178.7.
ISC IX 17 07 23 32.5–.44 32.41N–.02 47.34E–.06 10 35 1-5
ISCJB IX 17 07 23 31.8–.49 32.39N–.03 47.40E–.07 10 **¶12608798**
KISR IX 17 07 23 31.5–.70 32.23N 47.18E 11–999 3.0L
CSEM IX 17 07 23 31.9–.13 32.38N 47.36E 2 3.0L
TEH IX 17 07 23 35.4 32.50N 47.42E 24 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=3.8km az=6.0.
KISR Error ellipse: s-maj=898.2km s-min=115.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.0km az=105.0.
ISC IX 17 15 09 02.5–1.8 32.44N–.03 47.35E–.09 13–11 26 1-5
KISR IX 17 15 09 01.0–.92 32.12N 47.74E 34–0 2.5L **¶12608800**
CSEM IX 17 15 09 01.0–.16 32.45N 47.33E 5 3.1L
ISCJB IX 17 15 09 03.5–2.3 32.44N–.03 47.31E–.07 31–22 3.1L
TEH IX 17 15 09 05.8 32.50N 47.33E 31 3.1L
ISC Event type ke.
KISR Error ellipse: s-maj=8.8km s-min=18.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.4km az=172.0.
ISC IX 17 19 11 57.0–.51 32.43N–.03 47.39E–.06 10 20 1-4
ISCJB IX 17 19 11 56.0–.50 32.42N–.03 47.41E–.06 10 **¶14011035**
CSEM IX 17 19 11 57.6 32.63N 47.49E 14 2.9L
TEH IX 17 19 12 00.1 32.50N 47.34E 34 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=3.8km az=175.9.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
ISC IX 17 23 13 51.1–.54 32.43N–.03 47.39E–.06 10 24 1-5
ISCJB IX 17 23 13 50.1–.54 32.42N–.03 47.41E–.05 10 **¶12608808**
CSEM IX 17 23 13 50.0–.26 32.45N 47.39E 5 2.7L
KISR IX 17 23 13 50.2–.52 31.98N 46.34E 34–999 2.4L
TEH IX 17 23 13 51.0 32.38N 47.26E 14 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.4km az=122.0.
KISR Error ellipse: s-maj=999.9km s-min=784.4km az=-1.0.
ISC IX 18 05 20 21.6–.90 32.38N–.03 47.37E–.04 13–7 3.7b 67 1-46
IDC IX 18 05 20 18.1–2.2 32.40N 47.18E 0 3.8,3.7b **¶11910532**
ISCJB IX 18 05 20 20.1–.87 32.38N–.03 47.40E–.04 13–7 3.7b,3.7b
TEH IX 18 05 20 20.9 32.35N 47.35E 6 3.7b,3.7b
KISR IX 18 05 20 20.3–.64 32.09N 47.68E 34–419 3.3L,3.7b
CSEM IX 18 05 20 21.4–.17 32.37N 47.43E 10 3.4L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=53.0km s-min=27.7km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.5km az=17.9.
KISR Error ellipse: s-maj=768.9km s-min=34.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=92.0.
ISC IX 20 04 45 04.2–1.5 32.65N–.03 47.27E–.07 17–11 3.6b 80 2-39
KISR IX 20 04 45 03.6–.74 32.57N 47.43E 29–999 2.7L **¶12608827**
CSEM IX 20 04 45 04.5–.26 32.66N 47.28E 20 3.3b
SGS IX 20 04 45 05.5 32.60N 47.35E 13 3.3b
TEH IX 20 04 45 06.9 32.72N 47.35E 30 3.3b
NEIC IX 20 04 45 06.9 32.72N 47.35E 30 3.3,3.0L
IDC IX 20 04 45 19.5–3.0 35.22N 47.97E 0 3.8,3.8
ISC Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=49.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=5.3km az=85.0.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=62.0km s-min=32.6km az=162.0.
ISC IX 20 05 53 03.5–.41 32.42N–.02 47.42E–.05 10 39 2-6
KISR IX 20 05 53 00.8–1.1 32.56N 47.81E 34–999 3.4L **¶12608828**
CSEM IX 20 05 53 01.6–.43 32.42N 47.30E 2 3.4L
ISCJB IX 20 05 53 02.3–.42 32.42N–.02 47.44E–.06 10 3.4L
SGS IX 20 05 53 04.2 32.33N 47.33E 18 3.4L
TEH IX 20 05 53 06.6 32.48N 47.43E 30 3.4L
ISC Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=108.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=19.2km s-min=7.1km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.2km az=174.1.
ISC IX 20 06 15 43.5–.45 32.67N–.02 47.34E–.06 10 24 2-6
KISR IX 20 06 15 41.5–.92 32.77N 47.43E 45–999 2.7L **¶12608829**
ISCJB IX 20 06 15 42.1–.45 32.67N–.02 47.35E–.06 10 2.7L
TEH IX 20 06 15 43.4 32.62N 47.35E 9 2.7L
KISR Error ellipse: s-maj=999.9km s-min=75.5km az=-1.0.
ISCJB Error ellipse: s-maj=7.6km s-min=3.3km az=172.9.
ISC IX 20 12 35 15.2–.92 33.58N–.03 45.95E–.04 13–6 4.1b 181 1-65
IDC IX 20 12 35 11.0–1.2 33.37N 46.12E 0 3.9L,3.9b **¶11348110**
NEIC IX 20 12 35 13.0 33.48N 45.86E 4 4.5b,4.0
THR IX 20 12 35 13.1–.34 33.63N 45.84E 18–0 3.8L,4.0
TEH IX 20 12 35 13.7 33.48N 45.86E 4 3.8L,4.0
KISR IX 20 12 35 14.2–.67 33.32N 46.29E 34–951 3.5L,4.0
CSEM IX 20 12 35 14.7–.12 33.58N 45.94E 10 4.4b,4.0
SGS IX 20 12 35 16.6 33.59N 46.06E 16 4.4b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=20.6km az=32.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=4.9km s-min=3.6km az=-1.0.
KISR Error ellipse: s-maj=999.9km s-min=539.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=36.0.
ISC IX 22 01 34 01.9–.51 32.30N–.03 47.36E–.09 10 16 2-4
TEH IX 22 01 33 59.3 32.09N 47.18E 10 **¶12608844**
KISR IX 22 01 33 59.2–.61 32.05N 46.86E 34–999 2.5L
ISCJB IX 22 01 34 01.0–.51 32.29N–.03 47.40E–.09 10 2.5L
ISC IX 23 13 58 36.9–.45 32.41N–.02 47.31E–.07 10 32 2-5
CSEM IX 23 13 58 33.0–.44 32.60N 46.80E 10 2.9L **¶12608861**
KISR IX 23 13 58 34.8–.78 32.34N 47.09E 34–37 2.9L
ISCJB IX 23 13 58 36.0–.47 32.40N–.02 47.40E–.08 10 2.9L
TEH IX 23 13 58 38.0 32.43N 47.33E 18 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=21.3km s-min=4.7km az=97.0.
KISR Error ellipse: s-maj=16.4km s-min=40.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=3.4km az=3.0.
ISC IX 27 18 24 38.4–2.2 32.45N–.06 47.33E–.09 20–20 19 2-6

KISR IX 27 18 24 36.8–.95 32.31N 47.52E 20–999 2.8L **¶12608885**
ISCJB IX 27 18 24 38.2–3.1 32.44N–.06 47.38E–.10 30–35 2.8L
TEH IX 27 18 24 38.8 32.39N 47.25E 29 2.8L
KISR Error ellipse: s-maj=999.9km s-min=42.9km az=-1.0.
ISCJB Error ellipse: s-maj=15.6km s-min=6.3km az=29.5.
ISC IX 29 06 55 51.1–2.2 32.21N–.05 47.37E–.09 7–18 16 2-4
KISR IX 29 06 55 51.9–1.0 31.45N 45.78E 2–999 2.6L **¶12608893**
TEH IX 29 06 55 55.3 32.31N 47.45E 34 2.6L
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IX 29 14 43 46.3–2.0 32.35N–.03 47.33E–.08 9–13 29 2-5
CSEM IX 29 14 43 44.8–.72 32.52N 47.12E 20 2.7L **¶12608897**
KISR IX 29 14 43 45.7–.96 32.39N 47.43E 41–999 2.7L
SGS IX 29 14 43 47.9 32.18N 47.45E 13 2.7L
TEH IX 29 14 43 49.7 32.36N 47.37E 31 2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=22.2km s-min=9.4km az=123.0.
KISR Error ellipse: s-maj=999.9km s-min=60.7km az=-1.0.
ISC X 01 21 07 46.0–.28 32.46N–.02 47.85E–.03 10 3.8b 164 2-46
THR X 01 21 07 41.5–.58 32.23N 47.67E 18–7 3.5L **¶11911587**
IDC X 01 21 07 42.8–2.0 32.55N 47.83E 0 3.8b,3.8
ISCJB X 01 21 07 43.8–.32 32.39N–.03 47.84E–.03 10 3.8b,3.8
SGS X 01 21 07 46.1 32.43N 47.83E 0 3.8b,3.8
NEIC X 01 21 07 47.6 32.42N 47.83E 25 3.6b,3.5
CSEM X 01 21 07 47.8–.19 32.47N 47.87E 25 3.5L,3.5
TEH X 01 21 07 47.6 32.42N 47.83E 25 3.5L,3.5
ISC Event type ke.
THR Error ellipse: s-maj=5.2km s-min=9.3km az=-1.0.
IDC Error ellipse: s-maj=41.8km s-min=25.8km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=44.3.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.4km az=83.0.
ISC X 06 02 21 47.3–.38 31.64N–.04 47.52E–.04 35 3.9b 78 2-46
ISCJB X 06 02 21 45.5–.39 31.68N–.04 47.55E–.04 33 3.9b **¶12066086**
CSEM X 06 02 21 45.4–.15 31.62N 47.63E 10 3.7L
NEIC X 06 02 21 46.0 31.46N 47.47E 36 3.8b,3.7
IDC X 06 02 21 46.9–7.7 31.77N 47.60E 34–59 3.7,3.6b
TEH X 06 02 21 46.7 31.46N 47.47E 36 3.7,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.3km az=176.5.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=90.0.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=45.1km s-min=20.4km az=154.0.
ISC X 18 23 50 07.6–.32 32.38N–.02 47.37E–.04 10 3.9b,3.1s 127 1-55
IDC X 18 23 50 04.9–1.9 32.39N 47.33E 0 4.0,4.0b **¶12069007**
NEIC X 18 23 50 06.1 32.16N 47.22E 38 3.9b,4.0b
ISCJB X 18 23 50 06.1–.33 32.38N–.02 47.39E–.04 10 3.9b,3.1s
THR X 18 23 50 06.1–.41 32.17N 47.23E 37–5 3.8L,3.1s
CSEM X 18 23 50 07.7–.20 32.39N 47.40E 10 3.8L,3.1s
SGS X 18 23 50 09.9 32.32N 47.36E 34 3.8L,3.1s
TEH X 18 23 50 09.1 32.37N 47.40E 16 3.8L,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=20.3km az=167.0.
NEIC Event type se. After THR.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=162.0.
THR Error ellipse: s-maj=7.8km s-min=6.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=74.0.
ISC X 21 01 33 04.3–.60 32.42N–.04 47.35E–.08 10 16 2-4
KISR X 21 01 33 00.3–.93 32.32N 47.04E 4–999 2.7L **¶12608982**
TEH X 21 01 33 01.4 32.18N 47.18E 10 2.7L
ISCJB X 21 01 33 03.8–.53 32.38N–.03 47.42E–.07 10 2.7L
ISC X 23 12 00 21.4–.97 32.95N–.03 46.91E–.05 5–6 3.8b 69 1-46
IDC X 23 12 00 19.2–2.1 32.95N 46.82E 0 3.9b,3.9 **¶12070888**
ISCJB X 23 12 00 20.6–.92 32.93N–.04 46.93E–.05 13–6 3.8b,3.9
CSEM X 23 12 00 21.2–.35 32.94N 46.91E 5 3.7L,3.9
TEH X 23 12 00 21.6 32.85N 46.88E 4 3.7L,3.9
NEIC X 23 12 00 21.6 32.85N 46.88E 4 3.7,3.9
THR X 23 12 00 22.1–1.3 33.01N 46.97E 14–13 3.7L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=52.5km s-min=25.4km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.8km az=146.4.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=6.8km az=71.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=9.4km s-min=21.6km az=-1.0.
ISC X 25 15 52 00.6–1.1 32.39N–.04 47.45E–.04 16–6 30 1-5
CSEM X 25 15 51 54.8–.49 32.63N 47.28E 10 3.1L **¶12609021**
KISR X 25 15 51 57.7–.30 31.97N 48.36E 34–0 2.5L
ISCJB X 25 15 52 01.3–2.1 32.41N–.04 47.48E–.05 29–21 2.5L
TEH X 25 15 52 03.1 32.57N 47.55E 10 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.8km s-min=9.5km az=87.0.
KISR Error ellipse: s-maj=8.0km s-min=15.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.0km az=138.5.
ISC X 26 05 20 25.3–.25 32.35N–.02 47.34E–.03 10 4.1b 170 1-83
ISCJB X 26 05 20 23.5–.25 32.37N–.02 47.32E–.03 10 4.1b **¶12071130**
THR X 26 05 20 25.8–.97 32.20N 47.32E 43–0 3.8L
CSEM X 26 05 20 26.8–.14 32.37N 47.36E 25 4.3b
TEH X 26 05 20 26.3 32.29N 47.35E 16 4.3b
NEIC X 26 05 20 26.0 32.29N 47.35E 16 4.3b,4.0
IDC X 26 05 20 28.4–3.7 32.49N 47.35E 35–25 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=157.5.
THR Error ellipse: s-maj=16.7km s-min=13.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=31.0.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=34.4km s-min=15.6km az=161.0.
ISC XI 07 08 39 26.9–.90 32.76N–.03 47.95E–.05 12–7 30 1-4
KISR XI 07 08 39 23.2–.32 29.57N 50.62E 34–0 2.4L **¶14011328**
ISCJB XI 07 08 39 25.2–.93 32.76N–.03 47.95E–.05 6–7 2.4L
CSEM XI 07 08 39 25.5–.22 32.76N 47.95E 2 3.1L
TEH XI 07 08 39 27.3 32.68N 47.88E 23 3.1L
ISC Event type ke.
KISR Error ellipse: s-maj=4.7km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.0km az=154.1.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.3km az=98.0.
ISC XI 10 14 26 36.1–1.2 32.39N–.03 47.41E–.05 6–8 3.6b 66 1-46
TEH XI 10 14 26 35.8 32.33N 47.33E 4 3.6b **¶12073073**
ISCJB XI 10 14 26 35.0–1.2 32.39N–.03 47.45E–.05 6–8 3.6b
THR XI 10 14 26 35.2–.31 32.47N 47.24E 41–2 3.5L
CSEM XI 10 14 26 36.4–.17 32.39N 47.39E 10 3.5L
NEIC XI 10 14 26 37.9–3.9 32.33N 47.36E 32–33 3.5L
IDC XI 10 14 26 39.2–7.5 32.49N 47.15E 35–64 4.0L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.8km az=161.4.
THR Error ellipse: s-maj=5.3km s-min=6.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=69.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=12.0km az=166.0.
IDC Error ellipse: s-maj=61.0km s-min=22.4km az=148.0.
ISC XI 13 19 07 56.2–1.0 32.39N–.03 47.38E–.04 5–7 42 1-6
ISCJB XI 13 19 07 54.7–1.0 32.39N–.03 47.40E–.04 3–7 **¶12609077**
THR XI 13 19 07 54.5–.30 32.15N 47.21E 39–2 3.5L
CSEM XI 13 19 07 55.8–.17 32.37N 47.39E 2 3.1L
KISR XI 13 19 07 55.0–.84 32.47N 47.68E 43–999 3.1L
TEH XI 13 19 08 00.9 32.51N 47.38E 33 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=147.4.
THR Error ellipse: s-maj=6.0km s-min=3.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=75.0.
KISR Error ellipse: s-maj=17.3km s-min=60.4km az=-1.0.
ISC XI 22 17 50 47.2–.80 32.28N–.02 47.38E–.03 12–5 3.7b 197 1-51
IDC XI 22 17 50 45.2–1.7 32.37N 47.31E 0 3.8b,3.8 **¶12074525**
ISCJB XI 22 17 50 45.1–.83 32.28N–.03 47.38E–.03 11–5 3.7b,3.8
THR XI 22 17 50 46.5–.39 32.06N 47.34E 39–5 4.0L,3.8
NEIC XI 22 17 50 46.0 32.19N 47.37E 3 4.2,4.2L
CSEM XI 22 17 50 46.9–.21 32.16N 47.34E 20 4.0b,4.2L
TEH XI 22 17 50 46.5 32.19N 47.37E 3 4.0b,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=39.7km s-min=16.5km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=143.1.
THR Error ellipse: s-maj=7.0km s-min=5.6km az=-1.0.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.6km az=19.0.
ISC XI 26 12 44 23.7–1.1 32.23N–.04 47.37E–.05 19–8 47 1-6
CSEM XI 26 12 44 23.3–.12 32.24N 47.40E 15 3.4L **¶12609104**
TEH XI 26 12 44 26.3 32.30N 47.45E 34 3.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=86.0.
ISC XII 01 10 18 38.8–.12 35.31N–.01 46.12E–.02 16 4.8b,3.8s 683 1-102
BJI XII 01 10 18 31.4 35.46N 45.44E 10 5.0s,5.0b **¶15119344**
SZGRF XII 01 10 18 34.6 34.25N 45.35E 33 5.1b,5.0b
ISCJB XII 01 10 18 36.6–.12 35.27N–.02 46.11E–.02 15 4.8b,3.8s
SGS XII 01 10 18 38.2 35.90N 46.11E 79 4.8b,3.8s
CSEM XII 01 10 18 38.0–.12 35.33N 46.18E 10 4.9b,3.5s
TEH XII 01 10 18 38.2 35.34N 46.25E 4 4.9b,3.5s
THR XII 01 10 18 39.6–1.5 35.42N 46.44E 14–11 4.2L,3.5s
IDC XII 01 10 18 39.4–2.7 35.46N 46.13E 20–16 4.6,4.5
NEIC XII 01 10 18 40.1 35.30N 46.54E 28 5.0b,4.7
MOS XII 01 10 18 41.6–1.4 35.38N 46.15E 52 4.9b,4.7
DJA XII 01 10 18 44 34.96N 45.90E 70 4.6b,4.7
ISC Event type ke.
SZGRF Iran-Iraq border region.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=32.7.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=37.0.
THR Error ellipse: s-maj=6.1km s-min=10.2km az=-1.0.
IDC Error ellipse: s-maj=13.8km s-min=9.9km az=159.0.
NEIC Event type se. After TEH.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=116.2.
ISC XII 11 07 19 27.5–.34 32.26N–.03 47.41E–.03 10 3.8b 114 1-84
THR XII 11 07 19 23.6–.81 31.86N 47.13E 38–10 3.7L **¶12076862**
IDC XII 11 07 19 25.6–1.9 32.56N 47.15E 0 4.0b,4.0
ISCJB XII 11 07 19 26.1–.34 32.29N–.03 47.41E–.03 10 3.8b,4.0
TEH XII 11 07 19 27.4 32.20N 47.38E 6 3.8b,4.0
NEIC XII 11 07 19 27.9 32.22N 47.39E 8 3.9b,3.7
CSEM XII 11 07 19 28.6–.20 32.26N 47.43E 20 3.7L,3.7
ISC Event type ke.
THR Error ellipse: s-maj=14.5km s-min=10.8km az=-1.0.
IDC Error ellipse: s-maj=46.6km s-min=18.3km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=136.7.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=5.2km az=45.0.
ISC XII 11 10 22 44.2–.52 32.29N–.03 47.40E–.07 10 19 2-5
ISCJB XII 11 10 22 42.8–.54 32.30N–.03 47.40E–.07 10 **¶12609143**
KISR XII 11 10 22 43.5–.93 31.94N 47.34E 34–724 2.9L
TEH XII 11 10 22 44.6 32.27N 47.44E 8 2.9L
ISCJB Error ellipse: s-maj=8.9km s-min=3.7km az=172.0.
KISR Error ellipse: s-maj=999.9km s-min=141.4km az=-1.0.
ISC XII 19 03 34 29.1–1.3 33.50N–.03 46.19E–.08 6–8 3.5b 46 1-83
TEH XII 19 03 34 28.8 33.46N 46.16E 8 3.5b **¶12078141**
IDC XII 19 03 34 28.4–2.4 33.65N 46.21E 0 3.6b,3.6
ISCJB XII 19 03 34 28.3–1.2 33.50N–.04 46.22E–.08 11–8 3.5b,3.6
CSEM XII 19 03 34 29.7–.48 33.56N 45.88E 20 3.5L,3.6
KISR XII 19 03 34 30.6–1.0 33.56N 46.76E 44–999 3.5L,3.6
SGS XII 19 03 34 31.5 33.41N 46.04E 29 3.5L,3.6
THR XII 19 03 34 33.5–.39 33.72N 46.49E 15–0 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=96.3km s-min=25.9km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.1km az=0.8.
CSEM Event type ke. Error ellipse: s-maj=13.9km s-min=8.1km az=107.0.
KISR Error ellipse: s-maj=23.6km s-min=61.1km az=-1.0.
THR Error ellipse: s-maj=3.3km s-min=4.7km az=-1.0.
ISC XII 21 09 52 51.8–.53 36.25N–.02 45.50E–.06 10 56 1-8
ISCJB XII 21 09 52 50.9–.53 36.21N–.02 45.53E–.07 10 **¶12609162**
CSEM XII 21 09 52 50.3–.29 36.24N 45.42E 2 3.8L
THR XII 21 09 52 50.9–.70 36.13N 45.43E 14–10 3.5L
TEH XII 21 09 52 52.6 36.26N 45.47E 17 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.1km az=174.1.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=4.0km az=86.0.
THR Error ellipse: s-maj=5.6km s-min=9.6km az=-1.0.
ISC XII 28 21 28 25.1–.41 32.66N–.02 47.69E–.04 10 32 2-6
ISCJB XII 28 21 28 23.7–.41 32.67N–.02 47.70E–.05 10 **¶12609170**
KISR XII 28 21 28 23.4–.95 32.71N 47.99E 44–999 2.8L
TEH XII 28 21 28 24.8 32.61N 47.64E 9 2.8L
CSEM XII 28 21 28 24.1–.13 32.64N 47.63E 2 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=171.7.
KISR Error ellipse: s-maj=999.9km s-min=148.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=2.6km az=94.0.

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CSEM VII 02 06 25 10.2–.31 33.68N 49.01E 2 3.7L
¶14686297
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=5.6km az=121.0.
ISC VII 12 22 19 19.7–.69 33.46N–.03 47.31E–.02 12–4 4.5b,3.8s 547 1-97
SZGRF VII 12 22 19 15.6 32.89N 47.96E 33 4.6b,3.8s **¶13389017**
BJI VII 12 22 19 16.0 33.40N 47.30E 11 4.9s,4.7b
ISCJB VII 12 22 19 18.0–.65 33.44N–.02 47.31E–.02 13–4 4.5b,3.8s
IDC VII 12 22 19 17.6–.66 33.49N 47.38E 0 4.1,4.1b
CSEM VII 12 22 19 19.5–.12 33.49N 47.31E 10 4.6b,4.2s
TEH VII 12 22 19 19.0 33.38N 47.23E 4 4.6b,4.2s
NEIC VII 12 22 19 19.0 33.39N 47.26E 1 4.6b,4.3
MOS VII 12 22 19 20.3–1.1 33.43N 47.36E 33 4.7b,4.3
THR VII 12 22 19 20.2–1.1 33.50N 47.37E 14–7 4.1L,4.3
ISC Event type ke.
SZGRF Iran-Iraq border region.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.6km az=23.0.
IDC Error ellipse: s-maj=16.9km s-min=11.9km az=163.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=5.0.
NEIC Event type se. After TEH.
MOS Error ellipse: s-maj=7.5km s-min=3.9km az=128.9.
THR Error ellipse: s-maj=3.0km s-min=6.5km az=-1.0.
ISC VII 13 01 53 34.4–.62 33.45N–.03 47.28E–.03 11–4 4.2b 211 1-65
ISCJB VII 13 01 53 32.5–.60 33.41N–.03 47.28E–.03 13–4 4.2b **¶11159730**
IDC VII 13 01 53 32.7–.82 33.50N 47.34E 0 3.9b,3.9
CSEM VII 13 01 53 33.9–.12 33.47N 47.31E 10 4.4b,3.9
NEIC VII 13 01 53 35.0 33.53N 47.49E 5 4.0b,3.7
TEH VII 13 01 53 35.9 33.53N 47.49E 5 4.0b,3.7
THR VII 13 01 53 35.6–1.2 33.53N 47.37E 15–9 3.7L,3.7
SGS VII 13 01 53 36.4 33.48N 47.49E 16 3.7L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=38.9.
IDC Error ellipse: s-maj=18.3km s-min=15.8km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=22.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=4.1km s-min=7.9km az=-1.0.
ISC VII 21 03 20 27.3–.93 35.82N–.04 48.89E–.04 11–8 92 1-4
THR VII 21 03 20 24.9–.61 35.74N 48.93E 14–7 3.5L **¶13826995**
ISCJB VII 21 03 20 26.2–.32 35.83N–.03 48.90E–.03 10 3.5L
CSEM VII 21 03 20 26.1–.24 35.80N 48.94E 2 3.5L
TEH VII 21 03 20 28.9 35.82N 48.89E 20 3.5L
ISC Event type ke.
THR Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=11.5.

CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.2km az=14.0.
ISC VII 22 10 02 45.6–.60 32.69N–.05 48.23E–.05 10 15 2-5
ISCJB VII 22 10 02 44.5–.62 32.68N–.05 48.24E–.06 10 ¶12608537
TEH VII 22 10 02 47.3 32.77N 48.28E 13
KISR VII 22 10 02 50.9–.85 32.29N 48.01E 34–999 2.7L
ISCJB Error ellipse: s-maj=7.4km s-min=7.3km az=27.7.
KISR Error ellipse: s-maj=999.9km s-min=244.9km az=-1.0.
ISC VII 22 13 17 16.7–1.4 33.83N–.04 48.62E–.05 12–11 28 1-5
CSEM VII 22 13 17 13.0–.68 33.93N 48.80E 2 2.9L ¶12608538
TEH VII 22 13 17 17.6 33.81N 48.62E 16 2.9L
KISR VII 22 13 17 17.2–.68 33.49N 47.87E 34–0 2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=20.4km s-min=13.9km az=126.0.
KISR Error ellipse: s-maj=9.0km s-min=48.5km az=-1.0.
CSEM VII 24 04 59 39.2 30.80N 49.92E 15 4.2L
¶14680927
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
CSEM VII 29 08 58 38.1–.11 32.57N 48.63E 2 3.9L
¶14680973
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.1km az=106.0.
ISC VII 31 05 13 42.7–.39 33.83N–.03 48.62E–.04 10 32 1-5
CSEM VII 31 05 13 40.2–.40 33.96N 48.69E 2 2.5L ¶12608548
ISCJB VII 31 05 13 41.6–.39 33.80N–.03 48.64E–.04 10 2.5L
KISR VII 31 05 13 44.6–.63 33.49N 47.48E 2–999 2.5L
TEH VII 31 05 13 44.5 33.87N 48.63E 22 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=9.3km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.4km az=150.0.
KISR Error ellipse: s-maj=999.9km s-min=443.7km az=-1.0.
ISC VII 31 17 57 01.4–.25 32.01N–.02 49.66E–.03 10 4.2b 184 1-83
IDC VII 31 17 56 58.0–3.2 31.89N 49.70E 0 3.9b,3.9 ¶13390529
ISCJB VII 31 17 56 59.9–.26 32.05N–.02 49.60E–.03 10 4.2b,3.9
NEIC VII 31 17 57 01.4 31.92N 49.80E 18 4.4b,3.7L
KISR VII 31 17 57 01.9–.58 31.80N 49.64E 12–552 3.6L,3.7L
MOS VII 31 17 57 01.4–.67 31.99N 49.65E 32 4.6b,3.7L
CSEM VII 31 17 57 01.1–.21 31.97N 49.66E 10 4.5b,3.7L
THR VII 31 17 57 01.4–1.0 31.92N 49.80E 17–7 3.7L,3.7L
TEH VII 31 17 57 02.1 31.86N 49.79E 6 3.7L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=64.6km s-min=19.3km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=139.3.
NEIC Event type se. After THR.
KISR Error ellipse: s-maj=376.5km s-min=364.5km az=-1.0.
MOS Error ellipse: s-maj=15.0km s-min=8.0km az=119.3.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.5km az=155.0.
THR Error ellipse: s-maj=5.5km s-min=3.8km az=-1.0.
ISC VIII 02 06 25 12.4–.98 33.63N–.03 48.96E–.03 7–7 3.7b 65 1-83
KISR VIII 02 06 25 11.7–1.1 33.31N 49.58E 23–999 3.5L ¶12580895
THR VIII 02 06 25 11.6–.80 33.67N 48.98E 14–9 3.7L
ISCJB VIII 02 06 25 11.8–1.0 33.62N–.03 48.93E–.03 12–8 3.7b
TEH VIII 02 06 25 13.0 33.69N 48.98E 2 3.7b
CSEM VIII 02 06 25 13.0 33.69N 48.98E 2 3.8L
IDC VIII 02 06 25 14.1–3.7 34.22N 49.02E 0 3.9,3.7
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
THR Error ellipse: s-maj=2.8km s-min=3.2km az=-1.0.
ISCJB Error ellipse: s-maj=5.4km s-min=4.5km az=157.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.
IDC Error ellipse: s-maj=76.0km s-min=32.1km az=173.0.
ISC VIII 06 00 47 04.5–.37 31.04N–.04 49.97E–.04 10 31 2-6
ISCJB VIII 06 00 47 03.3–.38 31.07N–.04 49.95E–.04 10 ¶12608557
KISR VIII 06 00 47 05.1–.76 30.89N 50.06E 34–291 2.9L
TEH VIII 06 00 47 07.4 31.05N 49.90E 34 2.9L
ISCJB Error ellipse: s-maj=6.5km s-min=3.5km az=140.2.
KISR Error ellipse: s-maj=91.6km s-min=147.0km az=-1.0.
ISC VIII 18 02 42 31.1–.52 30.33N–.06 50.00E–.04 10 19 2-9
KISR VIII 18 02 42 29.1–.46 30.20N 50.19E 34–73 2.9L ¶12608587
ISCJB VIII 18 02 42 30.4–.55 30.32N–.07 50.03E–.04 10 2.9L
TEH VIII 18 02 42 31.4 30.27N 49.86E 24 2.9L
SGS VIII 18 02 42 31.1 30.29N 50.02E 20 2.9L
KISR Error ellipse: s-maj=16.0km s-min=16.8km az=-1.0.
ISCJB Error ellipse: s-maj=10.1km s-min=4.2km az=158.8.
ISC VIII 24 04 56 32.8–.35 30.91N–.04 49.87E–.04 10 3.5b 85 2-84
IDC VIII 24 04 56 29.3–2.0 31.05N 49.82E 0 3.6,3.5b ¶11908675
ISCJB VIII 24 04 56 31.7–.36 30.93N–.04 49.88E–.04 10 3.5b,3.5b
CSEM VIII 24 04 56 31.1–.45 30.80N 49.77E 10 3.5L,3.5b
TEH VIII 24 04 56 32.7 30.83N 49.83E 11 3.5L,3.5b
NEIC VIII 24 04 56 32.0 30.83N 49.83E 11 3.5,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=48.8km s-min=21.5km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.7km az=136.3.
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=8.8km az=16.0.
NEIC Event type se. After TEH.
ISC VIII 24 04 59 38.3–.17 30.80N–.02 49.72E–.02 10 4.4b,3.4s 493 2-122
SZGRF VIII 24 04 59 27.9 30.03N 51.43E 33 4.6b,3.4s ¶13392453
IDC VIII 24 04 59 36.2–.68 30.90N 49.84E 0 4.3,4.2
ISCJB VIII 24 04 59 36.6–.18 30.81N–.02 49.73E–.02 10 4.4b,3.4s
BJI VIII 24 04 59 36.3 30.80N 49.80E 11 4.6b,4.5b
MOS VIII 24 04 59 39.8–.91 30.96N 49.84E 33 4.6b,4.5b
THR VIII 24 04 59 39.1–.91 30.82N 49.91E 15–0 4.2L,4.5b
TEH VIII 24 04 59 40.3 30.82N 49.82E 11 4.2L,4.5b
NEIC VIII 24 04 59 40.3 30.82N 49.82E 11 4.5b,4.4
CSEM VIII 24 04 59 42.5–.17 30.84N 49.86E 50–1 4.5b,4.4
SGS VIII 24 04 59 42.4 30.80N 49.93E 16 4.5b,4.4
VIE VIII 24 04 59 49.0 31.08N 49.76E 96 3.8L,3.8b
ISC Event type ke.
SZGRF Northern and central Iran.
IDC Error ellipse: s-maj=17.8km s-min=13.2km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=43.5.
MOS Error ellipse: s-maj=8.8km s-min=4.2km az=125.2.
THR Error ellipse: s-maj=11.1km s-min=5.4km az=-1.0.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=25.0.
ISC VIII 24 07 19 50.0–.38 30.80N–.04 49.89E–.04 10 43 2-8
ISCJB VIII 24 07 19 48.8–.40 30.83N–.04 49.86E–.05 10 ¶12608601
TEH VIII 24 07 19 48.3 30.71N 49.75E 4
CSEM VIII 24 07 19 48.3–.31 30.78N 49.81E 2 3.6L
SGS VIII 24 07 19 54.1 30.59N 49.97E 16 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.3km az=41.9.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=7.3km az=46.0.
ISC VIII 29 08 58 37.7–.21 32.57N–.02 48.55E–.02 10 4.1b,3.7s 232 1-99
IDC VIII 29 08 58 34.8–.80 32.67N 48.63E 0 4.1,4.0b ¶13392884
ISCJB VIII 29 08 58 35.9–.23 32.54N–.02 48.52E–.03 10 4.1b,3.7s
THR VIII 29 08 58 37.7–1.0 32.56N 48.59E 18–8 3.9L,3.7s
SGS VIII 29 08 58 37.9 32.46N 48.58E 0 3.9L,3.7s
MOS VIII 29 08 58 38.8–1.9 32.63N 48.47E 33 4.4b,3.7s
CSEM VIII 29 08 58 38.6–.19 32.58N 48.63E 15 4.3b,3.7s
TEH VIII 29 08 58 39.5 32.56N 48.59E 17 4.3b,3.7s
NEIC VIII 29 08 58 39.0 32.60N 48.70E 6 4.4b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=13.4km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=22.7.
THR Error ellipse: s-maj=4.1km s-min=12.5km az=-1.0.
MOS Error ellipse: s-maj=10.2km s-min=5.8km az=114.6.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.6km az=2.0.
NEIC Event type se. After TEH.
ISC VIII 29 10 24 06.4–.53 32.61N–.03 48.56E–.07 10 16 2-4
KISR VIII 29 10 24 02.1–1.0 32.27N 49.11E 34–413 2.7L ¶12608637
ISCJB VIII 29 10 24 05.6–.54 32.57N–.04 48.60E–.07 10 2.7L
TEH VIII 29 10 24 07.4 32.68N 48.62E 9 2.7L
KISR Error ellipse: s-maj=699.5km s-min=367.4km az=-1.0.
ISCJB Error ellipse: s-maj=9.1km s-min=5.2km az=11.2.
ISC VIII 30 09 48 59.5–1.8 32.04N–.04 48.48E–.06 2–12 18 2-5
ISCJB VIII 30 09 48 59.5–1.3 32.02N–.04 48.53E–.05 9–9 ¶12608644
KISR VIII 30 09 48 59.0–.97 32.10N 48.54E 44–999 3.0L
TEH VIII 30 09 49 00.7 32.11N 48.46E 2 3.0L
ISCJB Error ellipse: s-maj=7.4km s-min=5.3km az=34.5.
KISR Error ellipse: s-maj=908.1km s-min=316.3km az=-1.0.
ISC VIII 30 15 24 31.0–2.3 32.72N–.03 48.47E–.06 9–16 24 2-5
KISR VIII 30 15 24 30.1–.62 32.71N 48.70E 43–999 2.6L ¶12608645
TEH VIII 30 15 24 30.2 32.69N 48.47E 2 2.6L
KISR Error ellipse: s-maj=12.6km s-min=32.7km az=-1.0.
ISC VIII 30 19 22 38.2–.31 32.03N–.02 48.42E–.03 10 57 2-10
ISCJB VIII 30 19 22 37.0–.33 32.04N–.02 48.45E–.03 10 ¶12608646
SGS VIII 30 19 22 37.5 32.37N 48.38E 63
KISR VIII 30 19 22 37.6–1.0 32.06N 48.64E 43–999 3.2L
CSEM VIII 30 19 22 37.5 32.37N 48.38E 63 4.1L
TEH VIII 30 19 22 39.0 31.98N 48.35E 20 4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=13.4.
KISR Error ellipse: s-maj=627.0km s-min=270.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After SNSN.
ISC VIII 31 19 48 43.8–.42 32.04N–.04 48.47E–.05 10 29 2-10
ISCJB VIII 31 19 48 42.8–.43 32.04N–.03 48.51E–.05 10 ¶12608648
KISR VIII 31 19 48 42.1–.75 31.95N 48.16E 5–999 2.9L
SGS VIII 31 19 48 42.7 31.88N 48.42E 0 2.9L
TEH VIII 31 19 48 43.1 32.04N 48.41E 5 2.9L
ISCJB Error ellipse: s-maj=6.6km s-min=4.0km az=35.4.
KISR Error ellipse: s-maj=999.9km s-min=576.7km az=-1.0.
ISC IX 06 02 29 07.4–1.3 33.87N–.04 48.12E–.05 2–11 37 1-6
ISCJB IX 06 02 29 06.0–1.2 33.83N–.04 48.12E–.04 0–11 ¶12608695
CSEM IX 06 02 29 07.0–.33 33.90N 48.17E 2 3.3L
TEH IX 06 02 29 08.5 33.87N 48.12E 8 3.3L
KISR IX 06 02 29 08.1–.71 33.49N 48.35E 34–999 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.4km az=145.3.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=7.0km az=92.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IX 13 19 24 13.1–.19 36.80N–.02 49.75E–.02 10 3.9b 248 1-49
ISCJB IX 13 19 24 11.6–.20 36.84N–.02 49.80E–.02 10 3.9b ¶13394285
CSEM IX 13 19 24 11.8–.12 36.79N 49.76E 2 4.0b
THR IX 13 19 24 12.0–.58 36.76N 49.80E 28–4 4.1L
NEIC IX 13 19 24 13.0 36.79N 49.72E 1 4.2,4.2L
TEH IX 13 19 24 14.0 36.79N 49.76E 7 4.2,4.2L
BJI IX 13 19 24 15.4 37.21N 49.72E 20 4.6s,4.6b
IDC IX 13 19 24 17.0–4.5 36.85N 49.64E 35–33 3.7,3.6
NNC IX 13 19 24 23.4–9.3 37.58N 51.02E 0 4.0b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=19.5.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=23.0.
THR Error ellipse: s-maj=2.8km s-min=2.8km az=-1.0.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=37.3km s-min=16.5km az=180.0.
NNC Error ellipse: s-maj=117.4km s-min=66.3km az=58.0.
ISC IX 25 15 32 11.0–.54 30.63N–.02 49.70E–.02 24–4 4.4b,3.6s 490 2-97
IDC IX 25 15 32 06.8–.58 30.66N 49.71E 0 4.3,4.3L ¶13395181
SGS IX 25 15 32 06.9 30.98N 49.71E 11 4.3,4.3L
BJI IX 25 15 32 07.7 30.51N 49.36E 32 4.9b,4.6b
CSEM IX 25 15 32 08.9–.10 30.62N 49.68E 10 4.4b,4.6b
THR IX 25 15 32 08.1–.84 30.59N 49.73E 15–0 4.3L,4.6b
ISCJB IX 25 15 32 09.8–.50 30.61N–.02 49.74E–.02 32–4 4.4b,3.6s
MOS IX 25 15 32 10.5–1.1 30.68N 49.73E 33 4.5b,3.6s
TEH IX 25 15 32 11.6 30.64N 49.73E 20 4.5b,3.6s
NEIC IX 25 15 32 12.0 30.58N 49.71E 35 4.4,4.3b
OMAN IX 25 15 32 17.4 30.70N 50.41E 128 4.4,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=12.3km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=4.0.
THR Error ellipse: s-maj=9.8km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=3.0km az=15.7.
MOS Error ellipse: s-maj=8.1km s-min=5.1km az=121.4.
NEIC Event type se. After TEH.
ISC IX 26 11 00 06.1–.47 35.76N–.02 49.01E–.02 3–3 4.2b,3.4s 282 1-79
SGS IX 26 11 00 03.9 35.80N 49.25E 17 4.2b,3.4s ¶11348114
IDC IX 26 11 00 04.2–.96 35.49N 48.92E 0 4.1,4.0b
ISCJB IX 26 11 00 04.6–.51 35.78N–.02 49.00E–.02 4–4 4.2b,3.4s
THR IX 26 11 00 05.9–.74 35.64N 48.98E 15–5 4.3L,3.4s
CSEM IX 26 11 00 06.8–.14 35.71N 48.99E 10 4.3b,3.3s
NEIC IX 26 11 00 06.0–.48 35.56N 48.91E 10 4.4L,4.3b
MOS IX 26 11 00 08.1–.97 35.67N 48.81E 33 4.3b,4.3b
TEH IX 26 11 00 08.5 35.77N 49.05E 6 4.3b,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=13.6km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=10.5.
THR Error ellipse: s-maj=3.1km s-min=2.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=15.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.2km az=163.0.
MOS Error ellipse: s-maj=10.5km s-min=6.1km az=123.1.
ISC IX 26 12 03 15.1–.63 35.78N–.05 49.18E–.06 10 38 1-4
THR IX 26 12 03 12.3–.86 35.65N 49.00E 14–9 3.5L ¶13829253
ISCJB IX 26 12 03 14.4–.62 35.80N–.05 49.19E–.06 10 3.5L
CSEM IX 26 12 03 14.7–.48 35.79N 49.19E 2 3.5L
TEH IX 26 12 03 16.1 35.62N 49.11E 10 3.5L
ISC Event type ke.
THR Error ellipse: s-maj=2.7km s-min=3.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.6km az=135.9.
CSEM Event type ke. Error ellipse: s-maj=17.0km s-min=8.6km az=35.0.
ISC IX 26 21 16 22.8–.92 32.71N–.03 49.01E–.03 13–7 49 2-10
SGS IX 26 21 16 22.2 32.60N 49.00E 7 ¶12608879
KISR IX 26 21 16 22.2–1.1 32.40N 48.84E 34–999 2.5L
CSEM IX 26 21 16 23.5–.36 32.73N 48.97E 20 2.5L
TEH IX 26 21 16 24.0 32.70N 48.98E 25 2.5L
ISC Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=18.3km s-min=8.0km az=118.0.
ISC X 02 20 31 49.2–.18 31.96N–.02 49.39E–.02 10 4.2b 360 1-96
ISCJB X 02 20 31 47.6–.18 31.97N–.02 49.37E–.02 10 4.2b ¶13395823
IDC X 02 20 31 47.6–.71 32.14N 49.44E 0 4.2,4.1b
NEIC X 02 20 31 48.5 31.95N 49.42E 15 4.2b,4.1
THR X 02 20 31 48.7–.78 31.96N 49.42E 15–0 4.0L,4.1
MOS X 02 20 31 50.8–1.1 32.09N 49.41E 34 4.3b,4.1
SGS X 02 20 31 51.2 32.01N 49.42E 1 4.3b,4.1
TEH X 02 20 31 51.0 32.06N 49.46E 3 4.3b,4.1
CSEM X 02 20 31 51.6–.15 32.11N 49.42E 20 4.4b,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=146.8.
IDC Error ellipse: s-maj=17.8km s-min=12.4km az=175.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=8.3km s-min=3.6km az=-1.0.
MOS Error ellipse: s-maj=8.8km s-min=6.0km az=122.3.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=174.0.
ISC X 03 03 19 12.7–.42 32.08N–.04 49.49E–.05 10 31 1-9
ISCJB X 03 03 19 11.5–.43 32.08N–.04 49.49E–.05 10 ¶12608912
TEH X 03 03 19 11.5 32.00N 49.44E 6
CSEM X 03 03 19 12.7–.32 32.10N 49.47E 10 2.6L
KISR X 03 03 19 12.8–.96 31.75N 49.37E 34–566 2.6L
SGS X 03 03 19 13.6 32.03N 49.46E 14 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.1km az=43.8.
CSEM Event type ke. Error ellipse: s-maj=16.3km s-min=6.9km az=116.0.
KISR Error ellipse: s-maj=854.0km s-min=694.5km az=-1.0.
ISC X 12 23 11 18.5–.28 32.05N–.03 48.86E–.03 10 3.8b 164 2-121

IDC	X	12 23 11 16.0–1.1	32.07N	48.90E	0	3.7,3.6b		¶12068502
ISCJB	X	12 23 11 17.1–.29	32.09N–.04	48.85E–.03	10	3.8b,3.6b		
CSEM	X	12 23 11 18.5–.21	32.06N	48.86E	10	4.2b,3.6b		
TEH	X	12 23 11 19.7	31.99N	48.92E	12	4.2b,3.6b		
NEIC	X	12 23 11 19.7	31.99N	48.92E	12	4.0b,3.6		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=28.0km s-min=15.0km az=173.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=170.2.							
CSEM	Event type ke. Error ellipse: s-maj=7.2km s-min=6.2km az=166.0.							
NEIC	Event type se. After TEH.							
ISC	**X**	**16 13 21 11.1–.54**	**30.69N–.05**	**49.75E–.06**	**10**		**28**	**2-5**
ISCJB	X	16 13 21 10.0–.54	30.71N–.04	49.75E–.06	10			¶12608957
TEH	X	16 13 21 10.8	30.56N	50.04E	4			
CSEM	X	16 13 21 11.2–.14	30.74N	49.77E	15	2.9L		
KISR	X	16 13 21 11.9–.80	30.65N	49.63E	34–90	2.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.6km s-min=3.9km az=39.6.							
CSEM	Event type ke. Error ellipse: s-maj=5.1km s-min=2.4km az=125.0.							
KISR	Error ellipse: s-maj=18.4km s-min=30.0km az=-1.0.							
ISC	**X**	**21 15 30 15.8–1.1**	**32.07N–.06**	**49.70E–.05**	**3–10**		**25**	**1-5**
ISCJB	X	21 15 30 15.1–1.2	32.02N–.07	49.73E–.05	4–11			¶12608989
CSEM	X	21 15 30 16.7–.20	32.05N	49.71E	10	2.9L		
TEH	X	21 15 30 16.0	32.06N	49.66E	4	2.9L		
KISR	X	21 15 30 17.8–.64	31.84N	49.47E	34–82	2.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=12.4km s-min=5.6km az=151.4.							
CSEM	Event type ke. Error ellipse: s-maj=8.7km s-min=4.7km az=136.0.							
KISR	Error ellipse: s-maj=19.5km s-min=39.4km az=-1.0.							
ISC	**X**	**23 21 06 01.6–.89**	**32.74N–.03**	**48.24E–.05**	**6–8**		**21**	**1-3**
KISR	X	23 21 05 51.5–.30	32.71N	45.33E	34–0	2.5L		¶14011089
ISCJB	X	23 21 06 01.0–.49	32.76N–.03	48.26E–.04	10	2.5L		
CSEM	X	23 21 06 01.0–.71	32.78N	48.25E	2	2.7L		
TEH	X	23 21 06 01.0	32.65N	48.12E	10	2.7L		
ISC	Event type ke.							
KISR	Error ellipse: s-maj=38.6km s-min=80.5km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=142.7.							
CSEM	Event type ke. Error ellipse: s-maj=30.5km s-min=15.2km az=76.0.							
ISC	**X**	**27 19 46 05.1–1.1**	**32.06N–.03**	**49.03E–.04**	**10–7**		**45**	**0-8**
SGS	X	27 19 46 02.2	32.27N	49.50E	12			¶12609029
CSEM	X	27 19 46 03.7–.25	32.03N	49.08E	2	3.0L		
KISR	X	27 19 46 03.4–.81	31.99N	48.97E	13–885	2.7L		
ISCJB	X	27 19 46 04.6–.94	32.05N–.03	49.04E–.04	14–6	2.7L		
TEH	X	27 19 46 07.5	31.93N	49.00E	36	2.7L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.1km s-min=5.5km az=116.0.							
KISR	Error ellipse: s-maj=688.8km s-min=428.5km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=26.8.							
ISC	**X**	**29 10 30 01.7–.33**	**33.69N–.04**	**48.80E–.04**	**10**	**3.7b,3.3s**	**105**	**1-81**
IDC	X	29 10 29 59.0–1.0	33.74N	48.56E	0	3.9,3.8b		¶12071451
ISCJB	X	29 10 30 00.4–.34	33.69N–.04	48.79E–.04	10	3.7b,3.3s		
NEIC	X	29 10 30 00.6	33.72N	48.85E	14	4.1L,4.1		
THR	X	29 10 30 00.4–1.3	33.73N	48.85E	14–10	4.1L,4.1		
CSEM	X	29 10 30 00.4–.23	33.67N	48.79E	2	4.1L,4.1		
TEH	X	29 10 30 02.2	33.62N	48.86E	10	4.1L,4.1		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=29.8km s-min=16.9km az=145.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=6.1.							
NEIC	Event type se. After THR.							
THR	Error ellipse: s-maj=5.7km s-min=6.0km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=7.2km s-min=6.0km az=174.0.							
ISC	**X**	**30 03 44 22.4–1.4**	**31.21N–.05**	**49.33E–.05**	**20–10**		**28**	**1-6**
CSEM	X	30 03 44 20.8–.24	31.18N	49.38E	10	2.5L		¶12609045
KISR	X	30 03 44 21.0–1.1	30.84N	49.17E	34–172	2.5L		
TEH	X	30 03 44 22.1	31.12N	49.27E	28	2.5L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=8.1km s-min=4.4km az=113.0.							
KISR	Error ellipse: s-maj=218.0km s-min=272.4km az=-1.0.							
ISC	**X**	**30 11 29 18.4–2.4**	**32.52N–.04**	**49.93E–.04**	**27–25**		**69**	**1-5**
ISCJB	X	30 11 29 16.7–1.7	32.52N–.04	49.94E–.04	22–20			¶12609046
CSEM	X	30 11 29 16.5–.14	32.54N	49.96E	10	3.6L		
THR	X	30 11 29 16.2–1.3	32.68N	49.97E	14–11	3.6L		
TEH	X	30 11 29 17.7	32.42N	49.87E	27	3.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.1km s-min=5.7km az=142.7.							
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=140.0.							
THR	Error ellipse: s-maj=8.7km s-min=8.5km az=-1.0.							
ISC	**X**	**30 16 05 46.1–.97**	**35.69N–.04**	**48.87E–.04**	**1–8**		**61**	**1-7**
THR	X	30 16 05 45.4–1.8	35.61N	48.96E	16–15	3.5L		¶12609048
CSEM	X	30 16 05 46.5–.31	35.71N	48.88E	2	3.5L		
TEH	X	30 16 05 50.1	35.76N	48.75E	24	3.5L		
ISC	Event type ke.							
THR	Error ellipse: s-maj=9.0km s-min=7.5km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9.4km s-min=8.0km az=155.0.							
ISC	**XI**	**07 01 32 42.7–.52**	**30.94N–.07**	**49.88E–.06**	**10**		**16**	**2-5**
KISR	XI	07 01 32 39.8–.76	30.93N	49.60E	34–265	2.6L		¶12609062
ISCJB	XI	07 01 32 41.6–.51	30.93N–.07	49.90E–.06	10	2.6L		
TEH	XI	07 01 32 43.3	30.92N	49.92E	10	2.6L		
KISR	Error ellipse: s-maj=307.3km s-min=453.3km az=-1.0.							
ISCJB	Error ellipse: s-maj=11.9km s-min=4.2km az=145.5.							
ISC	**XI**	**13 04 55 31.1–.30**	**32.08N–.03**	**49.44E–.03**	**10**	**3.4b**	**53**	**1-48**
IDC	XI	13 04 55 28.1–2.5	31.72N	49.26E	0	3.6,3.6		¶12073379
ISCJB	XI	13 04 55 29.9–.31	32.06N–.03	49.46E–.03	10	3.4b,3.6		
KISR	XI	13 04 55 29.3–.72	32.02N	49.57E	34–128	2.9L,3.6		
CSEM	XI	13 04 55 30.1–.19	32.08N	49.41E	2	3.1L,3.6		
TEH	XI	13 04 55 31.3	32.06N	49.43E	9	3.1L,3.6		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=63.6km s-min=33.6km az=152.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=141.0.							
KISR	Error ellipse: s-maj=20.1km s-min=34.5km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=6.6km s-min=3.5km az=120.0.							
ISC	**XI**	**23 06 59 50.7–.78**	**33.33N–.03**	**47.96E–.03**	**7–5**	**3.8b**	**108**	**1-79**
IDC	XI	23 06 59 47.9–2.0	33.20N	47.88E	0	4.0,3.9		¶12074569
ISCJB	XI	23 06 59 49.7–.74	33.33N–.03	47.95E–.03	9–5	3.8b,3.9		
CSEM	XI	23 06 59 50.8–.17	33.32N	47.94E	10	3.4L,3.9		
NEIC	XI	23 06 59 51.2	33.31N	47.95E	7	3.6,3.5L		
TEH	XI	23 06 59 52.9	33.37N	47.96E	20	3.6,3.5L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=45.6km s-min=24.1km az=156.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=26.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=22.0.							
NEIC	Event type se. After TEH.							
ISC	**XI**	**28 04 56 05.6–.34**	**32.39N–.03**	**48.80E–.03**	**10**	**3.6b**	**133**	**0-47**
ISCJB	XI	28 04 56 03.6–.36	32.28N–.03	48.80E–.03	10	3.6b		¶12075112
IDC	XI	28 04 56 04.0–2.0	32.54N	48.81E	0	3.8,3.7b		
SGS	XI	28 04 56 05.8	32.65N	48.83E	28	3.8,3.7b		
NEIC	XI	28 04 56 06.9	32.40N	48.84E	29	3.5b,3.5L		
THR	XI	28 04 56 06.9–.62	32.40N	48.84E	28–3	3.5L,3.5L		
CSEM	XI	28 04 56 08.1–.18	32.35N	48.82E	40	3.5L,3.5L		
TEH	XI	28 04 56 09.7	32.40N	48.90E	33	3.5L,3.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=8.3.							
IDC	Error ellipse: s-maj=41.8km s-min=21.9km az=166.0.							
NEIC	Event type se. After THR.							
THR	Error ellipse: s-maj=2.6km s-min=5.4km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=14.0.							
ISC	**XII**	**01 18 38 05.7–.35**	**32.06N–.03**	**49.64E–.03**	**10**		**49**	**1-6**
ISCJB	XII	01 18 38 04.6–.35	32.05N–.03	49.64E–.04	10			¶12609124
CSEM	XII	01 18 38 05.3–.29	32.06N	49.56E	5	3.1L		
TEH	XII	01 18 38 05.2	32.06N	49.59E	2	3.1L		
KISR	XII	01 18 38 05.8–.79	31.98N	49.77E	44–935	3.0L		
SGS	XII	01 18 38 07.1	32.07N	49.34E	16	3.0L		

ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=3.0km az=139.8.							
CSEM	Event type ke. Error ellipse: s-maj=13.6km s-min=6.0km az=122.0.							
KISR	Error ellipse: s-maj=394.3km s-min=336.3km az=-1.0.							
ISC	**XII**	**05 04 31 13.2–1.0**	**32.48N–.03**	**49.07E–.04**	**3–8**		**25**	**0-4**
TEH	XII	05 04 31 10.1	32.22N	48.91E	4			¶14012041
ISCJB	XII	05 04 31 12.7–.49	32.53N–.03	49.05E–.05	10			
KISR	XII	05 04 31 13.6–.97	32.26N	45.80E	34–0	2.8L		
CSEM	XII	05 04 31 13.8–.35	32.44N	49.13E	2	3.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=3.7km az=26.2.							
KISR	Error ellipse: s-maj=25.8km s-min=43.0km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=20.8km s-min=5.5km az=115.0.							
ISC	**XII**	**07 18 27 21.2–.90**	**33.87N–.03**	**48.75E–.03**	**5–7**		**38**	**1-5**
CSEM	XII	07 18 27 19.7–.40	33.97N	48.78E	5	2.6L		¶12609138
ISCJB	XII	07 18 27 20.2–.91	33.85N–.03	48.76E–.03	5–8	2.6L		
TEH	XII	07 18 27 22.7	33.91N	48.76E	10	2.6L		
KISR	XII	07 18 27 23.0–.97	33.47N	48.89E	6–999	2.6L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=12.8km s-min=8.1km az=125.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=22.9.							
KISR	Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.							

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ISC	**VII**	**03 15 43 13.9–.66**	**35.55N–.03**	**58.74E–.04**	**10–5**	**3.7b**	**111**	**1-56**
IDC	VII	03 15 43 12.0–1.4	35.50N	58.59E	0	3.7,3.7		¶11810523
ISCJB	VII	03 15 43 12.4–.62	35.54N–.03	58.72E–.04	12–5	3.7b,3.7		
CSEM	VII	03 15 43 13.1–.11	35.56N	58.75E	5	3.7L,3.7		
TEH	VII	03 15 43 14.8	35.57N	58.81E	19	3.7L,3.7		
NEIC	VII	03 15 43 14.0	35.54N	58.80E	13	4.0b,3.7		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=32.4km s-min=17.6km az=174.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.9km s-min=4.0km az=20.3.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=125.0.							
NEIC	Event type se. After TEH.							
ISC	**VII**	**03 23 10 03.0–.39**	**35.59N–.01**	**58.76E–.01**	**18–2**	**5.0b,4.6s**	**1323**	**1-140**
IDC	VII	03 23 09 59.8–.38	35.51N	58.76E	0	4.9,4.9		¶13379325
SZGRF	VII	03 23 10 00.7	34.15N	58.28E	33	4.7b,4.3s		
CSEM	VII	03 23 10 01.6–.08	35.61N	58.77E	10	5.1W,5.0b		
ISCJB	VII	03 23 10 01.7–.39	35.54N–.02	58.73E–.01	24–2	5.0b,4.6s		
TEH	VII	03 23 10 01.9	35.54N	58.76E	4	5.0b,4.6s		
GCMT	VII	03 23 10 02.7–.20	35.50N	58.60E	12–0	5.2W,4.6s		
NEIC	VII	03 23 10 02.0	35.50N	58.80E	10	5.2,5.0W		
MOS	VII	03 23 10 03.2–.93	35.56N	58.70E	33	5.1b,4.3s		
THR	VII	03 23 10 06.2–.36	35.51N	58.51E	46–6	4.8L,4.3s		
NNC	VII	03 23 10 09.4–3.1	36.03N	59.75E	0	5.0b,4.3s		
BJI	VII	03 23 10 09.2	35.86N	59.39E	40	5.2b,5.1s		
DJA	VII	03 23 10 11	35.47N	58.82E	75	5.0b,5.1s		
ISC	Event type de.							
IDC	Error ellipse: s-maj=11.3km s-min=9.0km az=1.0.							
SZGRF	Northern and central Iran.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=152.0.							
ISCJB	Event type de. Error ellipse: s-maj=2.7km s-min=1.8km az=175.9.							
GCMT	Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s61,c89; s83,c146; Moment tensor: Scale 10^{16}Nm; M_{rr}6.08±.17 $M_{\theta\theta}$-4.65±.13; $M_{\phi\phi}$-1.43±.11; $M_{r\theta}$1.07±.31; $M_{\theta\phi}$3.64±.10; $M_{\theta\theta}$0.08±.32; Best double couple: NP1:ϕ_s310.00000°,δ42.00000°,λ101.00000°. NP2:ϕ_s116.00000°,δ49.00000°,λ81.00000°. Principal axes: T 6.2200,Plg82.0000° ,Azm331.0000°; N 0.8600,Plg7.0000°,Azm122.0000°; P -7.0800,Plg4.0000°,Azm213.0000° M_o6.70000×10^{16}
NEIC	Event type de. Several houses collapsed at Katkan. After TEH. Moment Tensor Solution. s21 Moment tensor: Scale 10^{16}Nm; M_{rr}4.33 $M_{\theta\theta}$-1.67 $M_{\phi\phi}$-2.65 $M_{r\theta}$-1.09 $M_{\theta\phi}$2.04 $M_{\theta r}$1.12 Best double couple: NP1:ϕ_s320.00000°,δ55.00000°,λ88.00000°. NP2:ϕ_s144.00000° ,δ35.00000°,λ93.00000°. Principal axes: T 4.6100,Plg79.0000°,Azm220.0000° ; N -0.0700,Plg1.0000°,Azm321.0000°; P -4.5300,Plg9.0000°,Azm51.0000° M_o4.60000×10^{16}							
MOS	Error ellipse: s-maj=5.4km s-min=3.1km az=131.7.							
THR	Error ellipse: s-maj=2.8km s-min=5.0km az=-1.0.							
NNC	Error ellipse: s-maj=31.4km s-min=25.8km az=103.0.							
TEH	**VII**	**03 23 19 52.3**	**35.56N**	**58.81E**	**18**			
CSEM	VII	03 23 19 52.3	35.56N	58.81E	18	3.6L		¶14006168
CSEM	Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.							
CSEM	**VII**	**09 16 05 41.7–.14**	**36.95N**	**57.00E**	**2**	**3.9L**		
NEIC	VII	09 16 05 43.1	37.00N	56.98E	7	4.1		¶12951151
CSEM	Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=170.0.							
NEIC	Event type se. After TEH.							
ISC	**VII**	**15 06 51 40.8–.32**	**33.62N–.02**	**54.36E–.03**	**10**		**103**	**1-6**
ISCJB	VII	15 06 51 39.6–.33	33.61N–.02	54.43E–.04	10			¶11811634
CSEM	VII	15 06 51 39.6–.16	33.65N	54.41E	2	3.9L		
TEH	VII	15 06 51 40.5	33.67N	54.40E	6	3.9L		
THR	VII	15 06 51 40.1–.93	33.68N	54.38E	15–12	3.9L		
NEIC	VII	15 06 51 40.0	33.70N	54.40E	5	4.0,3.8L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=176.6.							
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=91.0.							
THR	Error ellipse: s-maj=6.3km s-min=7.2km az=-1.0.							
NEIC	Event type se. After TEH.							
CSEM	**VII**	**16 02 03 14.9–.15**	**32.26N**	**50.16E**	**5**	**3.7L**		¶14680002
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=2.6km az=119.0.							
ISC	**VII**	**16 15 56 52.7–.22**	**35.84N–.02**	**53.20E–.02**	**10**	**4.0b,3.2s**	**213**	**0-96**
ISCJB	VII	16 15 56 50.9–.22	35.90N–.02	53.23E–.02	10	4.0b,3.2s		¶11348242
NEIC	VII	16 15 56 50.0	36.00N	53.20E	3	4.3b,4.3L		
TEH	VII	16 15 56 50.8	35.94N	53.19E	5	4.3b,4.3L		
THR	VII	16 15 56 51.3–1.0	35.85N	53.17E	14–13	4.3L,4.3L		
CSEM	VII	16 15 56 51.1–.16	35.90N	53.17E	2	4.3b,4.3L		
IDC	VII	16 15 56 51.8–1.3	35.93N	53.24E	0	4.0,3.9		
MOS	VII	16 15 56 56.7–1.7	36.12N	53.31E	33	4.4b,3.9		
NNC	VII	16 15 56 59.4–7.1	36.41N	54.17E	0	4.0b,3.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=143.4.							
NEIC	Event type se. After TEH.							
THR	Error ellipse: s-maj=6.6km s-min=8.8km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=155.0.							
IDC	Error ellipse: s-maj=24.1km s-min=20.6km az=26.0.							
MOS	Error ellipse: s-maj=10.7km s-min=7.3km az=120.4.							
NNC	Error ellipse: s-maj=214.7km s-min=51.9km az=119.0.							
ISC	**VII**	**16 16 33 44.4–.24**	**35.91N–.02**	**53.20E–.02**	**10**	**3.5b**	**177**	**0-44**
ISCJB	VII	16 16 33 43.3–.23	35.91N–.02	53.21E–.02	10	3.5b		¶11348244
CSEM	VII	16 16 33 43.4–.15	35.92N	53.19E	2	4.0b		
THR	VII	16 16 33 43.7–1.4	35.89N	53.18E	15–11	4.0L		
NEIC	VII	16 16 33 44.0	35.90N	53.30E	3	4.1L,4.0b		
TEH	VII	16 16 33 44.0	35.91N	53.23E	3	4.1L,4.0b		
IDC	VII	16 16 33 45.5–1.6	35.87N	53.47E	0	3.9,3.8		
NNC	VII	16 16 33 52.7–3.8	36.56N	54.08E	0	3.5b,3.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=159.6.							
CSEM	Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=159.0.							
THR	Error ellipse: s-maj=7.5km s-min=8.1km az=-1.0.							
NEIC	Event type se. After TEH.							
IDC	Error ellipse: s-maj=26.2km s-min=23.9km az=15.0.							
NNC	Error ellipse: s-maj=44.9km s-min=20.3km az=50.0.							
ISC	**VII**	**20 17 33 20.8–1.3**	**30.12N–.05**	**57.48E–.05**	**9–9**		**43**	**1-5**
ISCJB	VII	20 17 33 19.3–1.1	30.16N–.05	57.43E–.04	2–9			¶13826994
CSEM	VII	20 17 33 19.5–.31	30.18N	57.52E	2	3.6L		
THR	VII	20 17 33 19.7–.32	30.06N	57.48E	14–4	3.5L		
TEH	VII	20 17 33 21.3	30.23N	57.56E	12	3.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.4km s-min=5.1km az=152.4.							
CSEM	Event type ke. Error ellipse: s-maj=8.7km s-min=5.9km az=159.0.							
THR	Error ellipse: s-maj=1.3km s-min=2.5km az=-1.0.							
CSEM	**VII**	**24 14 52 47.5**	**33.10N**	**56.93E**	**14**	**3.7L**		¶14680930

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
CSEM VII 31 13 00 39.7 31.50N 60.18E 18 4.0L ¶14680991
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
ISC VIII 01 05 38 05.7–1.8 30.45N–.05 50.23E–.05 6–14 31 2-7
SGS VIII 01 05 38 03.6 30.56N 50.24E 14 **¶12608549**
ISCJB VIII 01 05 38 04.0–1.7 30.48N–.05 50.24E–.05 3–13
KISR VIII 01 05 38 06.0–1.0 30.55N 49.93E 34–72 3.0L
TEH VIII 01 05 38 07.7 30.43N 50.26E 22 3.0L
ISCJB Error ellipse: s-maj=9.3km s-min=5.8km az=136.5.
KISR Error ellipse: s-maj=16.9km s-min=38.6km az=-1.0.
ISC VIII 07 02 40 20.4–2.2 30.29N–.06 50.44E–.06 11–17 23 2-6
KISR VIII 07 02 40 17.9–.78 30.12N 50.25E 0–106 2.7L **¶12608560**
ISCJB VIII 07 02 40 19.0–.43 30.28N–.05 50.46E–.03 10 2.7L
TEH VIII 07 02 40 20.2 30.14N 50.30E 28 2.7L
KISR Error ellipse: s-maj=57.6km s-min=215.6km az=-1.0.
ISCJB Error ellipse: s-maj=7.1km s-min=3.7km az=169.4.
ISC VIII 07 21 41 41.9–1.9 30.18N–.05 50.31E–.05 5–15 20 2-6
SGS VIII 07 21 41 39.3 30.57N 50.34E 12 **¶12608565**
ISCJB VIII 07 21 41 41.7–1.6 30.14N–.05 50.37E–.05 12–13
TEH VIII 07 21 41 42.4 30.27N 50.30E 3
KISR VIII 07 21 41 43.7–.41 30.32N 50.17E 33–0 2.8L
ISCJB Error ellipse: s-maj=8.4km s-min=6.8km az=29.0.
KISR Error ellipse: s-maj=7.2km s-min=4.2km az=-1.0.
ISC VIII 13 00 15 35.9–1.9 31.84N–.05 51.05E–.05 17–15 21 2-7
ISCJB VIII 13 00 15 34.4–1.9 31.83N–.05 51.03E–.05 15–15 **¶12608578**
TEH VIII 13 00 15 34.1 31.75N 50.89E 13
KISR VIII 13 00 15 34.4–.33 31.76N 51.12E 38–294 3.0L
ISCJB Error ellipse: s-maj=9.0km s-min=7.2km az=166.2.
KISR Error ellipse: s-maj=96.9km s-min=142.6km az=-1.0.
ISC VIII 15 02 11 59.8–.38 31.58N–.03 50.23E–.05 10 28 2-5
KISR VIII 15 02 11 56.3–.80 31.58N 50.29E 21–268 3.0L **¶12608579**
ISCJB VIII 15 02 11 58.5–.39 31.59N–.04 50.22E–.05 10 3.0L
TEH VIII 15 02 11 58.8 31.48N 50.18E 5 3.0L
KISR Error ellipse: s-maj=164.6km s-min=201.5km az=-1.0.
ISCJB Error ellipse: s-maj=7.1km s-min=3.5km az=41.9.
ISC VIII 16 02 03 13.8–.20 32.27N–.02 50.12E–.02 10 4.2b,4.1s 238 1-100
IDC VIII 16 02 03 10.9–.84 32.23N 50.13E 0 4.0,4.0 **¶13391839**
ISCJB VIII 16 02 03 12.0–.21 32.25N–.02 50.08E–.03 10 4.2b,4.1s
SGS VIII 16 02 03 12.9 32.40N 50.47E 11 4.2b,4.1s
MOS VIII 16 02 03 13.8–1.1 32.16N 50.13E 33 4.5b,4.1s
CSEM VIII 16 02 03 13.1–.15 32.21N 50.08E 10 4.3b,4.1s
TEH VIII 16 02 03 14.5 32.22N 50.10E 4 4.3b,4.1s
NEIC VIII 16 02 03 14.6 32.26N 50.23E 16 4.2b,3.9
THR VIII 16 02 03 14.5–.60 32.26N 50.23E 15–4 3.7L,3.9
KISR VIII 16 02 03 15.4–.99 31.89N 50.13E 4–243 3.7L,3.9
OMAN VIII 16 02 04 49.9–99 26.48N 55.08E 6–0 3.7L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=14.8km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=43.5.
MOS Error ellipse: s-maj=11.2km s-min=7.9km az=124.6.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=175.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=2.7km s-min=2.1km az=-1.0.
KISR Error ellipse: s-maj=329.9km s-min=355.8km az=-1.0.
OMAN Error ellipse: s-maj=1785.0km s-min=12.1km az=341.0.
TEH VIII 16 19 26 36.7 30.84N 57.45E 21
CSEM VIII 16 19 26 36.7 30.84N 57.45E 21 3.5L **¶14010975**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.
TEH VIII 21 10 49 04.7 30.17N 57.60E 8
CSEM VIII 21 10 49 04.7 30.17N 57.60E 8 3.9L **¶14010982**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.
TEH VIII 24 07 49 59.3 34.19N 53.24E 12
CSEM VIII 24 07 49 59.3 34.19N 53.24E 12 3.5L **¶14010988**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.
ISC VIII 24 14 52 49.5–.34 32.98N–.03 56.92E–.03 10 58 2-6
THR VIII 24 14 52 47.5–.32 33.10N 56.93E 14–8 3.7L **¶13827866**
ISCJB VIII 24 14 52 48.1–.35 32.99N–.03 56.91E–.03 10 3.7L
TEH VIII 24 14 52 50.2 33.01N 56.92E 14 3.7L
CSEM VIII 24 14 52 50.2 33.01N 56.92E 14 3.6L
THR Error ellipse: s-maj=4.0km s-min=4.3km az=-1.0.
ISCJB Error ellipse: s-maj=4.8km s-min=3.5km az=167.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.
TEH VIII 28 06 54 12.3 36.98N 58.57E 5
CSEM VIII 28 06 54 12.3 36.98N 58.57E 5 3.6L **¶14010998**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.
ISC VIII 31 13 00 39.3–.83 31.52N–.03 60.38E–.04 17–6 3.6b,3.2s 86 1-89
ISCJB VIII 31 13 00 36.2–.86 31.55N–.03 60.41E–.04 6–6 3.6b,3.2s **¶11909166**
IDC VIII 31 13 00 36.6–1.1 31.36N 60.11E 0 3.8,3.7
CSEM VIII 31 13 00 38.6–.61 31.59N 60.18E 2 4.0L,3.7
THR VIII 31 13 00 38.4–.95 31.54N 60.22E 15–0 4.0L,3.7
NEIC VIII 31 13 00 39.7 31.50N 60.18E 18 4.0L,4.0
TEH VIII 31 13 00 43.1 31.79N 59.86E 8 4.0L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.1km az=175.9.
IDC Error ellipse: s-maj=27.0km s-min=21.0km az=161.0.
CSEM Event type ke. Error ellipse: s-maj=16.4km s-min=13.0km az=168.0.
THR Error ellipse: s-maj=6.0km s-min=5.8km az=-1.0.
NEIC Event type se. After THR.
TEH IX 02 23 32 31.2 37.27N 56.97E 10
CSEM IX 02 23 32 31.2 37.27N 56.97E 10 3.5L **¶14011006**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.
ISC IX 10 16 25 37.5–.29 30.27N–.03 50.36E–.03 10 4.2b 149 2-84
IDC IX 10 16 25 34.3–2.6 30.29N 50.35E 0 4.0,3.9b **¶11909969**
THR IX 10 16 25 35.5–.40 30.17N 50.32E 15–0 3.6L,3.9b
NEIC IX 10 16 25 35.5 30.17N 50.32E 15 4.1b,3.6L
ISCJB IX 10 16 25 35.6–.31 30.25N–.03 50.33E–.03 10 4.2b,3.6L
TEH IX 10 16 25 38.8 30.17N 50.32E 24 4.2b,3.6L
CSEM IX 10 16 25 38.8–.19 30.27N 50.36E 20 4.5b,3.6L
SGS IX 10 16 25 39.8 30.26N 50.40E 12 4.5b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=56.9km s-min=31.3km az=125.0.
THR Error ellipse: s-maj=7.8km s-min=2.3km az=-1.0.
NEIC Event type se. After THR.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=139.4.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=147.0.
ISC IX 15 08 01 38.1–.77 34.79N–.03 60.3E–.10 10 37 1-5
THR IX 15 08 01 36.3–.47 34.70N 60.15E 6–0 3.6L **¶13828908**
ISCJB IX 15 08 01 37.5–.83 34.80N–.03 60.2E–.10 10 3.6L
CSEM IX 15 08 01 37.1–.36 34.76N 60.23E 2 3.5L
TEH IX 15 08 01 38.8 34.77N 60.11E 10 3.5L
ISC Event type ke.
THR Error ellipse: s-maj=2.6km s-min=7.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=3.6km az=175.6.
CSEM Event type ke. Error ellipse: s-maj=16.7km s-min=4.4km az=82.0.
ISC IX 15 22 27 02.3–.37 35.00N–.03 52.63E–.04 10 36 0-5
ISCJB IX 15 22 27 01.4–.37 35.00N–.03 52.66E–.04 10 **¶13828909**
THR IX 15 22 27 01.2–1.8 34.92N 52.64E 15–0 3.5L
TEH IX 15 22 27 02.3 34.94N 52.65E 4 3.5L
CSEM IX 15 22 27 02.3 34.95N 52.62E 24 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=150.6.
THR Error ellipse: s-maj=7.4km s-min=10.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
ISC IX 16 10 48 34.3–.48 36.92N–.03 58.49E–.04 1–12 32 0-4
ISCJB IX 16 10 48 33.4–.46 36.89N–.03 58.44E–.04 2–12 **¶14011032**
CSEM IX 16 10 48 33.7–.17 36.94N 58.52E 2 3.7L
TEH IX 16 10 48 34.5 36.94N 58.49E 9 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=42.1.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=45.0.

ISC IX 20 07 02 28.2–.43 31.76N–.04 56.14E–.03 10 31 1-5
ISCJB IX 20 07 02 26.8–.44 31.76N–.04 56.16E–.03 10 **¶13829081**
THR IX 20 07 02 27.7–1.5 31.81N 56.24E 15–15 3.5L
TEH IX 20 07 02 27.6 31.71N 56.21E 6 3.5L
CSEM IX 20 07 02 29.6 31.81N 56.27E 36 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=163.6.
THR Error ellipse: s-maj=3.8km s-min=12.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
ISC IX 23 04 34 04.4–.41 32.99N–.03 60.30E–.04 10 3.8b,3.0s 126 0-90
IDC IX 23 04 34 02.2–.77 32.94N 60.28E 0 4.0,3.9 **¶11910875**
ISCJB IX 23 04 34 02.5–.43 32.96N–.04 60.32E–.04 10 3.8b,3.0s
CSEM IX 23 04 34 03.2–.23 32.96N 60.33E 2 4.2L,3.0s
TEH IX 23 04 34 05.9 33.02N 60.18E 5 4.2L,3.0s
THR IX 23 04 34 06.4–.56 33.04N 60.11E 15–0 3.9L,3.0s
NEIC IX 23 04 34 06.1 33.01N 60.15E 6 4.2,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=16.1km az=9.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.9km az=150.3.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=147.0.
THR Error ellipse: s-maj=4.9km s-min=3.6km az=-1.0.
NEIC Event type se. After TEH.
ISC IX 24 10 44 12.3–.69 30.96N–.07 56.89E–.05 10 30 1-4
CSEM IX 24 10 44 10.2–.31 30.84N 56.90E 2 3.7L **¶14011046**
ISCJB IX 24 10 44 12.5–.67 31.08N–.08 56.89E–.04 10 3.7L
TEH IX 24 10 44 13.2 31.10N 56.92E 6 3.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=7.6km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.3km az=179.7.
ISC IX 26 01 43 48.2–1.6 31.60N–.04 60.28E–.05 10–10 3.6b,3.4s 119 1-89
IDC IX 26 01 43 45.8–1.2 31.35N 60.11E 0 3.8,3.7 **¶11911059**
THR IX 26 01 43 46.9–1.2 31.75N 60.25E 15–0 4.1L,3.7
CSEM IX 26 01 43 47.9–.30 31.61N 60.30E 10 4.2L,3.7
TEH IX 26 01 43 50.9 31.61N 60.24E 22 4.2L,3.7
NEIC IX 26 01 43 50.0 31.61N 60.24E 22 4.2,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=17.8km az=2.0.
THR Error ellipse: s-maj=5.1km s-min=7.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=4.7km az=131.0.
NEIC Event type se. After TEH.
ISC X 01 11 05 29.9–2.1 31.25N–.04 50.17E–.05 3–13 20 2-4
ISCJB X 01 11 05 29.7–1.7 31.24N–.04 50.17E–.05 8–11 **¶12608908**
KISR X 01 11 05 29.1–.64 31.29N 50.19E 34–117 2.9L
TEH X 01 11 05 31.1 31.22N 49.92E 31 2.9L
ISCJB Error ellipse: s-maj=8.1km s-min=4.3km az=43.5.
KISR Error ellipse: s-maj=19.5km s-min=25.8km az=-1.0.
ISC X 05 08 52 02.6–2.0 31.62N–.09 51.26E–.08 2–17 10 1-4
TEH X 05 08 52 00.2 31.47N 51.24E 4 **¶12608919**
ISCJB X 05 08 52 02.3–.84 31.64N–.06 51.24E–.07 10
KISR X 05 08 52 02.9–.48 31.75N 50.69E 34–237 2.9L
ISCJB Error ellipse: s-maj=11.0km s-min=5.1km az=38.6.
KISR Error ellipse: s-maj=299.3km s-min=386.2km az=-1.0.
ISC X 11 06 26 48.9–.99 31.26N–.03 51.15E–.04 19–6 4.0b 159 1-49
IDC X 11 06 26 45.0–2.0 31.20N 51.11E 0 3.9,3.8b **¶12066568**
THR X 11 06 26 46.7–.81 31.16N 51.19E 15–0 3.6L,3.8b
NEIC X 11 06 26 46.6 31.14N 51.18E 15 4.2b,3.6L
CSEM X 11 06 26 47.6–.21 31.24N 51.13E 10 4.1b,3.6L
MOS X 11 06 26 47.4–.98 31.14N 51.08E 33 4.5b,3.6L
TEH X 11 06 26 48.5 31.21N 51.18E 10 4.5b,3.6L
SGS X 11 06 26 49.6 31.10N 51.26E 16 4.5b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=18.7km az=161.0.
THR Error ellipse: s-maj=6.6km s-min=3.0km az=-1.0.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.8km az=150.0.
MOS Error ellipse: s-maj=15.8km s-min=8.8km az=115.8.
ISC X 14 01 59 04.2–.56 37.68N–.06 56.71E–.04 10 52 0-13
ISCJB X 14 01 59 02.4–.61 37.72N–.06 56.70E–.04 10 **¶14011071**
CSEM X 14 01 59 05.0–.31 37.71N 56.69E 20 3.4L
TEH X 14 01 59 06.4 37.55N 56.73E 18 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.9km az=176.5.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.8km az=171.0.
ISC X 16 06 39 39.7–.38 36.91N–.02 58.01E–.02 8–2 4.3b,3.6s 430 0-81
IDC X 16 06 39 38.7–.84 36.95N 57.86E 0 4.5L,4.2 **¶11748901**
CSEM X 16 06 39 38.7–.14 36.92N 58.01E 2 4.7b,4.2
ISCJB X 16 06 39 39.1–.40 36.91N–.02 57.94E–.02 15–3 4.3b,3.6s
NEIC X 16 06 39 40.0 36.86N 57.98E 8 4.4,4.2b
TEH X 16 06 39 40.4 36.86N 57.98E 8 4.4,4.2b
BJI X 16 06 39 41.5 37.09N 57.68E 27 4.5b,4.4b
THR X 16 06 39 41.1–.94 36.76N 57.80E 14–13 4.2L,4.4b
MOS X 16 06 39 43.1–1.8 37.19N 58.09E 33 4.6b,4.4b
NNC X 16 06 39 49.4–2.1 37.61N 59.79E 0 4.5b,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=11.6km az=169.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=179.6.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=6.6km s-min=6.8km az=-1.0.
MOS Error ellipse: s-maj=6.1km s-min=5.4km az=106.7.
NNC Error ellipse: s-maj=18.8km s-min=16.0km az=160.0.
ISC X 18 11 37 38.0–.28 30.15N–.03 50.87E–.02 10 4.0b,3.5s 217 2-96
THR X 18 11 37 35.7–.41 30.02N 50.92E 15–0 4.1L,3.5s **¶12068972**
IDC X 18 11 37 35.1–.68 30.18N 50.81E 0 4.0,4.0b
NEIC X 18 11 37 35.9 30.03N 50.92E 15 4.3b,4.1L
ISCJB X 18 11 37 36.4–.30 30.18N–.03 50.88E–.03 10 4.0b,3.5s
MOS X 18 11 37 38.6–1.5 30.13N 50.92E 33 4.4b,3.5s
CSEM X 18 11 37 40.0–.20 30.15N 50.90E 30 4.3b,3.5s
TEH X 18 11 37 40.9 30.17N 50.92E 28 4.3b,3.5s
ISC Event type ke.
THR Error ellipse: s-maj=4.0km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=13.6km az=167.0.
NEIC Event type se. After THR.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=12.3.
MOS Error ellipse: s-maj=12.0km s-min=7.6km az=104.8.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.8km az=179.0.
ISC X 21 02 03 30.3–.42 30.05N–.05 50.23E–.03 10 4.2b,3.5s 175 2-63
ISCJB X 21 02 03 27.7–.50 29.95N–.06 50.22E–.04 10 4.2b,3.5s **¶13397663**
IDC X 21 02 03 28.3–1.2 30.10N 50.27E 0 4.1,4.1b
CSEM X 21 02 03 30.3–.30 29.95N 50.26E 17 4.2b,4.1b
TEH X 21 02 03 33.6 30.00N 50.32E 31 4.2b,4.1b
NEIC X 21 02 03 37.5 30.71N 50.44E 14 4.2b,3.8L
THR X 21 02 03 38.1–.31 30.73N 50.46E 17–12 3.6L,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.5km az=165.3.
IDC Error ellipse: s-maj=28.3km s-min=13.6km az=162.0.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=5.5km az=167.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=12.1km s-min=2.8km az=-1.0.
ISC X 26 11 07 58.8–1.9 34.39N–.06 54.67E–.07 6–15 38 1-4
ISCJB X 26 11 07 58.4–.54 34.41N–.05 54.67E–.06 10 **¶14011094**
CSEM X 26 11 07 58.2–.14 34.38N 54.66E 2 3.5L
TEH X 26 11 08 00.0 34.38N 54.66E 15 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.4km az=136.2.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.8km az=45.0.
ISC X 28 20 03 19.1–.45 33.21N–.03 59.33E–.04 10 55 0-7
ISCJB X 28 20 03 17.9–.45 33.21N–.03 59.27E–.04 10 **¶14011095**
CSEM X 28 20 03 18.5–.28 33.23N 59.30E 2 3.5L
TEH X 28 20 03 19.0 33.22N 59.31E 2 3.5L
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=24.8.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.8km az=133.0.
ISC X 29 00 46 33.8–1.6 30.62N–.04 50.81E–.03 11–11 46 2-7
KISR X 29 00 46 31.0–.60 30.54N 51.02E 44–999 3.2L ¶12609035
ISCJB X 29 00 46 32.7–1.3 30.63N–.04 50.80E–.03 12–9 3.2L
CSEM X 29 00 46 32.5–.14 30.64N 50.77E 2 3.2L
TEH X 29 00 46 34.3 30.61N 50.82E 12 3.2L
ISC Event type ke.
KISR Error ellipse: s-maj=294.2km s-min=641.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.8km az=147.2.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=144.0.
ISC XI 02 08 53 55.0–.31 35.15N–.03 54.88E–.03 10 96 1-5
ISCJB XI 02 08 53 54.0–.31 35.13N–.03 54.88E–.03 10 ¶13830474
CSEM XI 02 08 53 53.8–.09 35.13N 54.86E 2 3.7L
THR XI 02 08 53 53.7–.71 35.12N 54.86E 15–0 3.5L
TEH XI 02 08 53 55.3 35.14N 54.88E 12 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=17.2.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=9.0.
THR Error ellipse: s-maj=4.3km s-min=3.0km az=-1.0.
ISC XI 02 13 02 42.2–1.2 30.61N–.03 50.81E–.04 2–9 3.7b 45 2-84
IDC XI 02 13 02 41.0–2.2 30.92N 50.56E 0 3.8,3.7b ¶12071988
KISR XI 02 13 02 41.5–.30 30.39N 50.85E 34–53 3.3L,3.7b
CSEM XI 02 13 02 43.2–.31 30.54N 50.96E 20 3.3L,3.7b
TEH XI 02 13 02 45.1 30.64N 50.88E 15 3.3L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=56.9km s-min=28.1km az=155.0.
KISR Error ellipse: s-maj=16.7km s-min=17.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=6.8km az=134.0.
ISC XI 03 00 32 59.4–.36 31.31N–.03 50.59E–.04 10 41 2-6
KISR XI 03 00 32 57.5–.61 31.13N 50.37E 34–213 2.8L ¶12609056
ISCJB XI 03 00 32 58.2–.37 31.32N–.03 50.56E–.04 10 2.8L
CSEM XI 03 00 32 58.7–.21 31.27N 50.57E 2 3.2L
TEH XI 03 00 32 58.4 31.21N 50.54E 9 3.2L
ISC Event type ke.
KISR Error ellipse: s-maj=225.8km s-min=373.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.6km az=44.9.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=3.8km az=132.0.
ISC XI 10 00 23 50.1–.37 31.23N–.03 51.29E–.03 10 3.3b 68 1-49
KISR XI 10 00 23 45.6–.99 31.45N 51.46E 44–999 3.1L ¶12073011
IDC XI 10 00 23 47.5–2.5 31.37N 50.91E 0 3.5b,3.5
ISCJB XI 10 00 23 48.7–.37 31.21N–.03 51.30E–.03 10 3.3b,3.5
CSEM XI 10 00 23 49.0–.19 31.29N 51.23E 2 3.3b,3.5
TEH XI 10 00 23 49.8 31.04N 51.06E 32 3.3b,3.5
NEIC XI 10 00 23 49.1 31.06N 51.08E 24 3.3,3.5
ISC Event type ke.
KISR Error ellipse: s-maj=432.5km s-min=894.4km az=-1.0.
IDC Error ellipse: s-maj=65.3km s-min=28.2km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=145.8.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=3.5km az=143.0.
NEIC Event type se. After TEH.
ISC XI 18 11 20 39.7–.70 33.25N–.04 59.20E–.04 12–6 3.6b,3.1s 122 0-89
IDC XI 18 11 20 36.9–1.0 33.17N 59.11E 0 3.9,3.8L ¶12074000
CSEM XI 18 11 20 38.6–.16 33.28N 59.18E 2 4.2L,3.8L
NEIC XI 18 11 20 39.1 33.34N 59.13E 14 4.2,4.0L
THR XI 18 11 20 39.0–.70 33.34N 59.13E 14–8 4.1L,4.0L
TEH XI 18 11 20 40.0 33.27N 59.17E 4 4.1L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=17.2km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=145.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0.
ISC XI 18 12 47 20.4–1.2 33.29N–.05 59.17E–.08 1–13 56 0-6
ISCJB XI 18 12 47 19.8–.97 33.28N–.05 59.16E–.08 8–12 ¶13836696
CSEM XI 18 12 47 20.0–.24 33.25N 59.16E 2 3.6L
THR XI 18 12 47 20.3–.30 33.38N 59.13E 15–0 3.5L
TEH XI 18 12 47 21.5 33.25N 59.20E 9 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=4.9km az=37.4.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=5.2km az=116.0.
THR Error ellipse: s-maj=3.0km s-min=1.7km az=-1.0.
ISC XI 25 14 04 56.3–1.1 30.43N–.06 57.41E–.04 10 13 1-5
CSEM XI 25 14 04 43.1 30.88N 56.63E 15 3.6L ¶14011875
ISCJB XI 25 14 04 55.8–1.2 30.53N–.07 57.40E–.04 10 3.6L
TEH XI 25 14 05 00.5 30.54N 57.37E 32 3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.4km az=168.6.
ISC XI 25 17 30 32.4–.57 30.24N–.05 57.56E–.03 10 44 1-7
ISCJB XI 25 17 30 31.9–.70 30.31N–.06 57.52E–.05 10 ¶13836797
CSEM XI 25 17 30 31.6–.40 30.27N 57.59E 2 3.5L
THR XI 25 17 30 31.2–.37 30.27N 57.50E 14–5 3.5L
TEH XI 25 17 30 33.7 30.38N 57.61E 3 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.1km az=157.9.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=6.4km az=166.0.
THR Error ellipse: s-maj=3.5km s-min=1.1km az=-1.0.
ISC XII 01 16 02 40.4–1.6 30.14N–.04 50.46E–.04 3–11 36 2-7
SGS XII 01 16 02 39.3 30.36N 50.00E 13 ¶12609123
CSEM XII 01 16 02 40.4–.23 30.18N 50.54E 10 3.2L
ISCJB XII 01 16 02 41.0–1.8 30.11N–.04 50.50E–.05 15–13 3.2L
KISR XII 01 16 02 41.6–.88 29.99N 50.46E 31–491 2.6L
TEH XII 01 16 02 42.5 30.21N 50.57E 4 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.0km az=41.1.
KISR Error ellipse: s-maj=122.8km s-min=374.0km az=-1.0.
ISC XII 01 16 10 19.3–.23 30.17N–.02 50.46E–.03 10 3.7b,3.2s 108 2-71
IDC XII 01 16 10 17.5–2.2 30.34N 50.31E 0 3.9,3.9b ¶12075430
ISCJB XII 01 16 10 17.5–.25 30.16N–.02 50.49E–.03 10 3.7b,3.2s
THR XII 01 16 10 18.6–.77 30.19N 50.47E 15–0 3.9L,3.2s
SGS XII 01 16 10 18.7 30.38N 50.78E 17 3.9L,3.2s
CSEM XII 01 16 10 19.0 30.20N 50.51E 15 3.7b,3.2s
NEIC XII 01 16 10 19.0 30.20N 50.51E 15 3.9L,3.7b
KISR XII 01 16 10 20.3–1.1 30.12N 50.51E 44–999 3.7L,3.7b
TEH XII 01 16 10 21.0 30.24N 50.42E 13 3.7L,3.7b
OMAN XII 01 16 10 47.2–9.5 28.11N 51.32E 30–0 3.7L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=48.0km s-min=18.5km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=3.7km s-min=3.0km az=36.7.
THR Error ellipse: s-maj=11.8km s-min=3.5km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
NEIC Event type se. After THR.
KISR Error ellipse: s-maj=34.6km s-min=41.7km az=-1.0.
OMAN Error ellipse: s-maj=108.0km s-min=11.3km az=149.0.
ISC XII 02 13 00 47.0–.88 31.06N–.04 56.82E–.03 14–6 4.1b 223 1-92
IDC XII 02 13 00 44.0–.86 30.97N 56.75E 0 4.2,4.1 ¶12075504
ISCJB XII 02 13 00 44.4–.83 31.08N–.04 56.80E–.03 6–5 4.1b,4.1
BJI XII 02 13 00 45.2 31.56N 56.45E 15 4.5b,4.1
THR XII 02 13 00 46.0–.86 31.11N 56.79E 18–12 4.5L,4.1
CSEM XII 02 13 00 46.3–.16 31.04N 56.82E 10 4.1b,4.1
NEIC XII 02 13 00 46.8–1.2 31.05N 56.79E 15–9 4.5L,4.4b
MOS XII 02 13 00 48.2–.88 31.08N 56.76E 39 4.2b,4.4b
KISR XII 02 13 00 48.7–.79 31.30N 55.98E 3–999 4.0L,4.4b
TEH XII 02 13 00 49.6 31.15N 56.78E 20 4.0L,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=22.0km s-min=13.3km az=7.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=160.4.
THR Error ellipse: s-maj=6.5km s-min=7.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=159.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.9km az=188.0.
MOS Error ellipse: s-maj=11.9km s-min=9.4km az=78.6.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC XII 05 08 09 53.4–.39 34.59N–.04 57.31E–.04 10 26 1-5
ISCJB XII 05 08 09 52.3–.41 34.60N–.04 57.24E–.05 10 ¶13836933
THR XII 05 08 09 53.1–.53 34.59N 57.17E 33–6 3.5L
TEH XII 05 08 09 53.5 34.62N 57.30E 7 3.5L
ISCJB Error ellipse: s-maj=6.0km s-min=5.3km az=5.9.
THR Error ellipse: s-maj=3.4km s-min=3.7km az=-1.0.
ISC XII 08 00 44 01.8–.33 32.90N–.02 51.59E–.03 10 50 0-5
ISCJB XII 08 00 44 00.4–.34 32.87N–.02 51.55E–.03 10 ¶12609139
TEH XII 08 00 44 00.8 32.87N 51.53E 4
KISR XII 08 00 44 00.3–.72 32.58N 51.42E 34–680 2.7L
CSEM XII 08 00 44 01.1–.12 32.93N 51.61E 10 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=29.8.
KISR Error ellipse: s-maj=816.0km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=137.0.
TEH XII 10 07 27 29.3 32.12N 56.11E 2
CSEM XII 10 07 27 28.7–.16 32.14N 56.10E 2 3.5L ¶14012047
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=159.0.
ISC XII 12 04 00 50.1–.43 30.82N–.03 56.76E–.04 10 65 1-7
THR XII 12 04 00 48.8–.36 30.78N 56.72E 14–4 3.5L ¶13837061
ISCJB XII 12 04 00 49.4–.52 30.91N–.04 56.73E–.04 10 3.5L
CSEM XII 12 04 00 49.1–.26 30.84N 56.77E 2 3.5L
TEH XII 12 04 00 50.5 30.92N 56.79E 2 3.5L
ISC Event type ke.
THR Error ellipse: s-maj=1.7km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.1km az=163.7.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.8km az=120.0.
ISC XII 16 14 02 11.2–.34 35.42N–.02 52.75E–.03 10 63 0-6
ISCJB XII 16 14 02 10.2–.34 35.41N–.02 52.74E–.03 10 ¶13837110
CSEM XII 16 14 02 10.1–.17 35.40N 52.74E 0–4 3.6L
THR XII 16 14 02 10.3–1.3 35.18N 52.69E 14–0 3.5L
TEH XII 16 14 02 11.3 35.41N 52.75E 2 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=169.6.
CSEM Event type ke.
THR Error ellipse: s-maj=6.7km s-min=4.8km az=-1.0.
ISC XII 20 07 30 22.2–.84 35.33N–.04 59.01E–.09 15–9 24 1-6
THR XII 20 07 30 14.6–.27 35.69N 59.27E 15–0 3.6L ¶13837183
CSEM XII 20 07 30 18.3 35.47N 59.04E 14 3.5L
ISCJB XII 20 07 30 20.6–.93 35.30N–.04 58.93E–.09 7–11 3.5L
TEH XII 20 07 30 23.6 35.35N 58.96E 29 3.5L
ISC Event type ke.
THR Error ellipse: s-maj=5.0km s-min=5.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=6.1km az=170.7.
ISC XII 24 19 49 04.7–.57 32.73N–.03 59.40E–.03 4–5 50 0-7
ISCJB XII 24 19 49 03.8–.52 32.74N–.04 59.38E–.03 11–5 ¶14012064
THR XII 24 19 49 03.6–.30 34.83N 59.65E 70–0 3.8L
TEH XII 24 19 49 04.8 32.68N 59.43E 3 3.8L
CSEM XII 24 19 49 04.1–.13 32.71N 59.42E 2 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=151.8.
THR Error ellipse: s-maj=6.9km s-min=5.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.7km az=152.0.
ISC XII 31 07 28 36.7–.39 30.35N–.03 50.03E–.03 10 3.3b 36 2-48
IDC XII 31 07 28 32.8–2.2 30.28N 50.03E 0 3.6,3.5b ¶12079635
ISCJB XII 31 07 28 35.6–.40 30.37N–.03 50.06E–.03 10 3.3b,3.5b
KISR XII 31 07 28 35.7–.37 30.11N 50.18E 34–54 2.9L,3.5b
TEH XII 31 07 28 36.9 30.25N 49.87E 28 2.9L,3.5b
CSEM XII 31 07 28 36.1–.35 30.30N 50.08E 2 3.2L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=53.7km s-min=22.6km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=149.4.
KISR Error ellipse: s-maj=15.6km s-min=16.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=5.4km az=124.0.

(351) Eastern Arabian Peninsula.

KISR VII 20 12 58 42.9–.38 29.02N 47.66E 5–0 0.8L
¶12788599
KISR Error ellipse: s-maj=0.3km s-min=1.2km az=-1.0.
ISC IX 20 07 58 16.1–.32 14.12N–.05 50.30E–.02 10 4.7b,3.7s 256 1-130
BJI IX 20 07 58 09.6 13.94N 49.56E 10 4.9b,4.8b ¶13394770
IDC IX 20 07 58 13.4–.54 14.13N 50.51E 0 4.5,4.4
ISCJB IX 20 07 58 14.1–.32 14.11N–.05 50.31E–.02 10 4.6b,3.7s
CSEM IX 20 07 58 15.1–.29 14.07N 50.32E 2 4.8b,3.7s
NEIC IX 20 07 58 15.5–.33 14.13N 50.33E 10 4.8b,4.7L
TEH IX 20 07 58 17.0 14.08N 50.24E 10 4.8b,4.7L
MOS IX 20 07 58 17.3–1.6 14.08N 50.43E 33 4.9b,4.7L
DHMR IX 20 07 58 17.8–1.6 13.86N 49.99E 7–23 4.7L,4.7L
OMAN IX 20 07 58 26.0–99 14.67N 50.73E 36–21 4.7L,4.7L
ISC Event type ke.
IDC Error ellipse: s-maj=13.3km s-min=12.9km az=120.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.1km az=167.7.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=5.7km az=162.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=166.0.
MOS Error ellipse: s-maj=11.6km s-min=5.6km az=105.7.
DHMR Error ellipse: s-maj=21.3km s-min=23.1km az=-1.0.
OMAN Error ellipse: s-maj=27.6km s-min=8.5km az=19.0.

(352) Persian Gulf.

CSEM VII 02 20 45 15.4–.47 29.46N 49.29E 2 3.7L
¶14686307
CSEM Event type ke. Error ellipse: s-maj=17.1km s-min=6.5km az=143.0.
ISC VII 28 09 01 36.9–.47 29.58N–.05 49.11E–.04 10 28 1-5
KISR VII 28 09 01 33.3–.53 29.43N 49.20E 9–2 3.5,3.2L ¶12608545
CSEM VII 28 09 01 34.9–.53 29.79N 49.08E 2 3.2L,3.2L
ISCJB VII 28 09 01 36.4–.46 29.68N–.05 49.07E–.04 10 3.2L,3.2L
TEH VII 28 09 01 48.1 30.45N 49.44E 10 3.2L,3.2L
ISC Event type ke.
KISR Error ellipse: s-maj=5.4km s-min=4.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=21.7km s-min=7.1km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=3.3km az=146.3.
ISC VIII 02 20 45 17.8–1.7 29.52N–.05 49.25E–.04 19–12 3.7b 89 1-36
CSEM VIII 02 20 45 13.8–.58 29.27N 49.10E 10 3.8b ¶11907715
KISR VIII 02 20 45 15.6–.59 29.37N 49.22E 19–10 3.7L
IDC VIII 02 20 45 16.2–5.8 29.78N 49.03E 0 3.8b,3.7
NEIC VIII 02 20 45 17.0–3.5 29.43N 49.15E 24–22 3.9,3.8b
TEH VIII 02 20 45 18.8 29.39N 49.20E 33 3.9,3.8b
THR VIII 02 20 45 37.1–.88 31.39N 49.75E 15–0 3.6L,3.8b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.3km s-min=6.5km az=13.0.
KISR Error ellipse: s-maj=5.3km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=108.6km s-min=27.0km az=0.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=7.2km az=198.0.
THR Error ellipse: s-maj=9.0km s-min=7.1km az=-1.0.

(353) Southern Iran.

ISC VII 01 06 43 08.0–1.2 27.98N–.08 57.04E–.09 38–12 3.8b 30 1-45
CSEM VII 01 06 43 04.6–.41 28.15N 57.03E 2 3.4L ¶11799143
ISCJB VII 01 06 43 06.8–1.1 27.98N–.08 57.08E–.09 45–11 3.8b
IDC VII 01 06 43 06.1–4.3 28.40N 56.97E 0 4.2L,4.0
NEIC VII 01 06 43 06.0 28.13N 57.01E 28 3.4L,4.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.6km s-min=9.1km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=10.9km az=135.4.
IDC Error ellipse: s-maj=84.1km s-min=24.8km az=168.0.
NEIC Event type se. After THR.
ISC VII 02 18 02 53.2–2.2 29.94N–.05 50.76E–.06 3–18 27 2-6
ISCJB VII 02 18 02 52.5–1.6 29.94N–.05 50.79E–.05 8–13 ¶12607859

TEH VII 02 18 02 53.3 29.83N 50.69E 14
KISR VII 02 18 02 53.7–.63 30.00N 50.21E 34–45 3.2L
ISCJB Error ellipse: s-maj=8.3km s-min=6.7km az=140.7.
KISR Error ellipse: s-maj=33.5km s-min=31.5km az=-1.0.
CSEM VII 04 09 08 45.8–.51 26.60N 54.87E 2 3.9L
¶14686326
CSEM Event type ke. Error ellipse: s-maj=17.8km s-min=3.2km az=165.0.
ISC VII 05 13 15 28.7–1.1 27.36N–.07 55.38E–.05 10 21 1-7
CSEM VII 05 13 15 26.7–.71 27.23N 55.14E 2 2.8L **¶12608100**
KISR VII 05 13 15 27.2–.56 29.11N 54.98E 34–999 2.5L
TEH VII 05 13 15 33.6 27.52N 55.58E 3 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=38.2km s-min=9.3km az=177.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM VII 09 23 22 01.4–1.6 25.82N 59.41E 2 3.8L
¶14686360
CSEM Event type ke. Error ellipse: s-maj=42.9km s-min=19.2km az=158.0.
CSEM VII 11 12 54 35.8–1.3 25.85N 59.44E 15 5.0L
¶14686368
CSEM Event type ke. Error ellipse: s-maj=31.4km s-min=18.2km az=143.0.
CSEM VII 11 20 09 01.4–.42 27.88N 56.53E 2 4.0L
¶14686374
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=8.5km az=127.0.
ISC VII 12 04 27 12.4–.90 27.42N–.04 56.25E–.09 34–8 25 0-11
SGS VII 12 04 27 07.2 27.69N 56.39E 14 **¶12853929**
CSEM VII 12 04 27 10.1–.73 27.47N 56.24E 15 3.0L
TEH VII 12 04 27 10.9 27.50N 56.55E 20 3.0L
OMAN VII 12 04 27 14.8–99 26.99N 56.62E 10–0 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=23.0km s-min=16.2km az=80.0.
OMAN Error ellipse: s-maj=49.9km s-min=32.2km az=248.0.
ISC VII 13 23 29 59.9–3.1 27.6N–.10 54.4E–.10 8–17 3.4b 41 2-39
TEH VII 13 23 29 59.3 27.52N 54.28E 10 3.4b **¶11811513**
CSEM VII 13 23 30 00.7 27.56N 54.28E 18 3.1b
NEIC VII 13 23 30 00.7 27.56N 54.28E 18 3.1
IDC VII 13 23 30 04.7–14 28.51N 54.41E 0 3.5,3.5
ISC Event type se.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
NEIC Event type se. After TEH.
IDC Error ellipse: s-maj=280.5km s-min=37.3km az=0.0.
ISC VII 15 09 46 23.1–1.3 29.49N–.05 51.98E–.05 0–10 3.6b,2.9s 71 0-62
ISCJB VII 15 09 46 22.0–1.2 29.49N–.05 51.98E–.05 5–10 3.5b,2.9s **¶11811643**
TEH VII 15 09 46 22.4 29.39N 51.93E 8 3.5b,2.9s
CSEM VII 15 09 46 23.0–.24 29.48N 52.01E 2 3.8L,2.9s
NEIC VII 15 09 46 24.5 29.64N 52.02E 15 3.4L,2.9s
KISR VII 15 09 46 26.4–1.2 29.30N 51.86E 33–0 3.4L,2.9s
SGS VII 15 09 46 26.1 29.49N 51.84E 14 3.4L,2.9s
IDC VII 15 09 46 26.2–5.8 29.96N 51.93E 0 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.8km az=144.3.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.0km az=161.0.
NEIC Event type se. After THR.
KISR Error ellipse: s-maj=40.4km s-min=12.1km az=-1.0.
IDC Error ellipse: s-maj=106.2km s-min=40.9km az=12.0.
ISC VII 18 03 26 05.4–1.4 28.4N–.10 51.77E–.10 10 3.6b 38 2-46
IDC VII 18 03 25 55.8–21 27.54N 51.73E 0 3.7b,3.7 **¶11811901**
TEH VII 18 03 26 08.6 28.45N 51.88E 18 3.7b,3.7
CSEM VII 18 03 26 08.0 28.45N 51.88E 18 3.1b,3.7
NEIC VII 18 03 26 08.0 28.45N 51.88E 18 3.1b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=428.4km s-min=39.1km az=5.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
NEIC Event type se. After TEH.
CSEM VII 20 15 20 35.0–.29 28.12N 57.61E 2 3.6L
¶14680897
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=5.7km az=146.0.
ISC VII 22 06 21 49.5–1.4 26.92N–.09 55.83E–.10 10 26 1-10
TEH VII 22 06 21 45.4 27.08N 56.85E 24 **¶12608536**
KISR VII 22 06 21 46.2–.72 28.14N 55.87E 0–999 3.3L
CSEM VII 22 06 21 48.4–.87 26.94N 55.85E 2 3.7L
ISCJB VII 22 06 21 48.5–1.3 26.92N–.09 55.70E–.09 10 3.7L
SGS VII 22 06 21 49.0 27.31N 55.88E 11 3.7L
OMAN VII 22 06 21 49.6–99 27.08N 56.41E 35–12 3.7L
ISC Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=25.2km s-min=7.0km az=46.0.
ISCJB Event type ke. Error ellipse: s-maj=16.5km s-min=5.1km az=41.4.
OMAN Error ellipse: s-maj=14.6km s-min=4.3km az=284.0.
CSEM VII 24 00 37 20.9–.18 27.29N 55.91E 2 3.9L
¶14680924
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=2.0km az=171.0.
CSEM VII 24 01 46 25.0–.35 27.24N 55.88E 2 3.9L
¶14680926
CSEM Event type ke. Error ellipse: s-maj=13.9km s-min=3.7km az=169.0.
CSEM VII 25 12 16 41.6–.25 27.76N 54.98E 2 3.7L
¶14680942
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=4.8km az=9.0.
ISC VII 26 15 24 40.6–.26 27.23N–.03 53.42E–.03 10 4.2b,3.1s 306 2-93
BJI VII 26 15 24 37.7 27.26N 52.84E 30 4.4b,3.1s **¶13390156**
IDC VII 26 15 24 38.9–.87 27.22N 53.49E 0 4.2,4.1
THR VII 26 15 24 38.1–1.3 27.05N 53.46E 15–0 3.9L,4.1
ISCJB VII 26 15 24 39.0–.26 27.26N–.03 53.39E–.03 10 4.2b,3.1s
CSEM VII 26 15 24 39.8–.19 27.16N 53.45E 10 4.3b,3.1s
KISR VII 26 15 24 40.1–1.3 23.74N 47.66E 3–999 3.6L,3.1s
TEH VII 26 15 24 40.5 27.14N 53.45E 8 3.6L,3.1s
NEIC VII 26 15 24 40.0 27.14N 53.45E 8 4.3b,4.0
MOS VII 26 15 24 41.8–.96 27.26N 53.44E 33 4.5b,4.0
OMAN VII 26 15 25 16.5–99 25.47N 55.14E 30–4 4.5b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=15.3km az=180.0.
THR Error ellipse: s-maj=13.9km s-min=8.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=34.5.
CSEM Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=799.2km az=-1.0.
NEIC Event type se. After TEH.
MOS Error ellipse: s-maj=8.5km s-min=6.0km az=110.2.
OMAN Error ellipse: s-maj=34.7km s-min=7.1km az=287.0.
ISC VII 27 09 06 18.8–2.5 27.11N–.09 53.40E–.06 17–13 3.6b 23 1-50
CSEM VII 27 09 06 15.2 26.88N 53.18E 41 3.3L **¶11812702**
IDC VII 27 09 06 16.8–2.6 27.26N 53.48E 0 3.7,3.7
TEH VII 27 09 06 17.0 26.98N 53.38E 10 3.7,3.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
IDC Error ellipse: s-maj=63.2km s-min=27.3km az=158.0.
CSEM VII 27 20 20 19.6–.40 27.19N 55.96E 2 3.5L
¶14680949
CSEM Event type ke. Error ellipse: s-maj=12.6km s-min=4.1km az=163.0.
CSEM VII 31 11 37 57.2–.20 27.75N 55.16E 10 3.8L
¶14680989
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=3.7km az=15.0.
ISC VIII 03 00 44 41.6–1.2 27.83N–.06 57.19E–.06 5–11 13 1-5
THR VIII 03 00 44 38.4–.33 27.66N 57.03E 15–3 3.5L **¶13827012**
ISCJB VIII 03 00 44 40.2–.91 27.85N–.06 57.25E–.06 10 3.5L
TEH VIII 03 00 44 40.9 27.71N 57.27E 12 3.5L
THR Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0.
ISCJB Error ellipse: s-maj=9.6km s-min=5.2km az=140.3.
ISC VIII 04 09 08 46.9–.33 26.70N–.03 54.81E–.03 10 4.2b,3.0s 99 1-121
IDC VIII 04 09 08 44.1–1.0 26.70N 54.81E 0 4.2,4.2L **¶11907764**
ISCJB VIII 04 09 08 45.2–.34 26.70N–.03 54.79E–.03 10 4.2b,3.0s
NEIC VIII 04 09 08 45.6 26.41N 54.85E 10 4.0,3.0s
THR VIII 04 09 08 45.7–.57 26.65N 54.79E 15–0 3.9L,3.0s
OMAN VIII 04 09 08 47.6–99 26.69N 54.86E 8–0 3.9L,3.0s
CSEM VIII 04 09 08 48.4–.24 26.71N 54.81E 20 4.0L,3.0s
TEH VIII 04 09 08 48.5 26.54N 54.89E 25 4.0L,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=25.8km s-min=14.6km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=17.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=14.3km s-min=4.2km az=-1.0.
OMAN Error ellipse: s-maj=23.8km s-min=5.5km az=338.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=6.6km az=62.0.
ISC VIII 09 23 22 02.8–.23 25.94N–.03 59.46E–.03 10 4.5b,3.2s 385 3-123
ISCJB VIII 09 23 22 01.4–.24 25.99N–.03 59.41E–.03 10 4.5b,3.2s **¶13391291**
IDC VIII 09 23 22 01.9–.66 26.07N 59.47E 0 4.3,4.3
NEIC VIII 09 23 22 03.7 26.08N 59.51E 17 4.6b,4.2
THR VIII 09 23 22 03.3–.30 26.07N 59.50E 14–5 3.8L,4.2
MOS VIII 09 23 22 04.7–.97 26.06N 59.49E 33 4.7b,4.2
CSEM VIII 09 23 22 05.6–.18 25.99N 59.52E 30 4.5b,4.2
TEH VIII 09 23 22 06.5 25.93N 59.60E 35 4.5b,4.2
BJI VIII 09 23 22 07.4 26.33N 60.11E 17 4.7b,3.9s
OMAN VIII 09 23 22 07.0–1.4 25.72N 59.28E 19–102 4.7b,3.9s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=2.7.
IDC Error ellipse: s-maj=15.6km s-min=12.9km az=162.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=4.8km s-min=4.4km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=4.2km az=122.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.0km az=142.0.
OMAN Error ellipse: s-maj=24.8km s-min=5.5km az=231.0.
ISC VIII 10 03 48 27.4–3.0 25.9N–.30 59.5E–.20 10 3.6b 7 11-56
IDC VIII 10 03 48 22.6–6.0 25.64N 59.96E 0 3.7b,3.7 **¶12581002**
IDC Error ellipse: s-maj=128.4km s-min=38.5km az=126.0.
ISC VIII 10 13 40 58.1–2.4 25.6N–.30 59.9E–.30 10 3.7b 11 24-56
ISCJB VIII 10 13 40 55.7–2.4 25.5N–.30 59.8E–.20 10 3.7b **¶11908039**
IDC VIII 10 13 40 56.7–6.9 25.64N 59.82E 0 3.8b,3.8
NEIC VIII 10 13 40 57.8–1.9 25.59N 59.84E 10 4.0b,3.8
CSEM VIII 10 13 40 57.8 25.59N 59.84E 10 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=49.5km s-min=25.3km az=152.2.
IDC Error ellipse: s-maj=143.5km s-min=48.5km az=124.0.
NEIC Event type se. Error ellipse: s-maj=40.8km s-min=20.2km az=153.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
ISC VIII 11 12 54 35.5–.28 25.94N–.04 59.50E–.03 10 4.6b,3.4s 315 3-123
OMAN VIII 11 12 54 25.6–99 26.60N 60.51E 35–999 4.6b,3.4s **¶13391409**
THR VIII 11 12 54 32.0–.49 25.69N 59.70E 18–5 3.9L,3.4s
BJI VIII 11 12 54 33.9 25.73N 59.68E 21 4.5s,4.5b
ISCJB VIII 11 12 54 34.0–.28 26.00N–.04 59.47E–.03 10 4.6b,3.4s
IDC VIII 11 12 54 34.1–.86 25.96N 59.50E 0 4.5,4.4
NEIC VIII 11 12 54 35.2 25.75N 59.67E 18 4.7b,4.3
MOS VIII 11 12 54 37.5–.83 26.06N 59.47E 33 4.8b,4.3
TEH VIII 11 12 54 38.3 25.90N 59.59E 28 4.8b,4.3
CSEM VIII 11 12 54 38.7–.24 26.02N 59.59E 30 4.4b,3.4s
ISC Event type ke.
OMAN Error ellipse: s-maj=303.3km s-min=14.6km az=44.0.
THR Error ellipse: s-maj=4.9km s-min=5.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=3.6.
IDC Error ellipse: s-maj=20.8km s-min=14.2km az=173.0.
NEIC Event type se. After TEH.
MOS Error ellipse: s-maj=8.4km s-min=4.7km az=119.7.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=5.1km az=157.0.
IDC VIII 11 12 57 42.1–1.3 25.78N 60.04E 0 4.0,3.8b
¶12581026
IDC Error ellipse: s-maj=41.8km s-min=30.3km az=38.0.
ISC VIII 11 20 09 00.1–.73 27.80N–.03 56.80E–.03 4–5 3.8b,2.9s 135 0-90
IDC VIII 11 20 08 57.7–1.1 27.74N 56.67E 0 3.8,3.8b **¶11908095**
CSEM VIII 11 20 08 59.8–.22 27.77N 56.93E 2 4.1b,3.8b
THR VIII 11 20 09 01.0–1.4 27.85N 56.62E 16–13 4.0L,3.8b
NEIC VIII 11 20 09 01.2 27.84N 56.63E 17 4.0b,4.0L
MOS VIII 11 20 09 02.4–2.0 27.83N 56.91E 33 4.1b,4.0L
TEH VIII 11 20 09 03.5 27.52N 56.58E 30 4.1b,4.0L
OMAN VIII 11 20 09 10.7–99 27.01N 56.81E 4–0 4.1b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=14.7km az=169.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.5km az=99.0.
THR Error ellipse: s-maj=5.1km s-min=6.6km az=-1.0.
NEIC Event type se. After THR.
MOS Error ellipse: s-maj=13.9km s-min=8.8km az=123.8.
OMAN Error ellipse: s-maj=39.6km s-min=7.8km az=4.0.
ISC VIII 11 23 00 10.9–1.4 29.92N–.05 50.90E–.04 9–11 30 2-7
ISCJB VIII 11 23 00 08.7–1.4 29.95N–.05 50.88E–.04 1–12 **¶12608574**
KISR VIII 11 23 00 09.4–.37 30.02N 50.94E 38–434 3.0L
TEH VIII 11 23 00 11.9 29.88N 50.88E 22 3.0L
ISCJB Error ellipse: s-maj=7.9km s-min=6.3km az=160.4.
KISR Error ellipse: s-maj=44.1km s-min=259.6km az=-1.0.
ISC VIII 11 23 50 10.7–1.3 29.88N–.05 50.88E–.04 17–10 51 2-6
KISR VIII 11 23 50 11.8–.93 30.34N 50.57E 34–999 3.2L **¶12608575**
TEH VIII 11 23 50 12.7 29.96N 50.93E 22 3.2L
CSEM VIII 11 23 50 12.7 29.96N 50.93E 22 3.5L
KISR Error ellipse: s-maj=171.2km s-min=641.1km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.
ISC VIII 15 07 37 02.8–.93 27.81N–.03 55.66E–.04 4–7 4.0b,3.0s 134 1-91
IDC VIII 15 07 36 59.8–.89 27.66N 55.72E 0 4.0,3.9 **¶11908237**
ISCJB VIII 15 07 37 01.6–.92 27.84N–.03 55.65E–.04 6–7 4.0b,3.0s
NEIC VIII 15 07 37 03.3 27.91N 55.81E 15 4.2b,4.1
TEH VIII 15 07 37 03.9 27.59N 55.64E 16 4.2b,4.1
THR VIII 15 07 37 03.2–.66 27.90N 55.78E 14–8 4.0L,4.1
CSEM VIII 15 07 37 04.9–.20 27.82N 55.75E 20 4.2b,4.1
OMAN VIII 15 07 37 05.3–99 27.95N 55.87E 43–150 4.2b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=21.6km s-min=15.2km az=160.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.6km az=151.9.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=3.6km s-min=8.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=5.7km az=70.0.
OMAN Error ellipse: s-maj=50.1km s-min=21.0km az=38.0.
ISC VIII 15 18 26 58.6–2.5 28.25N–.09 52.85E–.06 5–13 3.9b 43 1-50
CSEM VIII 15 18 26 57.5 28.17N 52.79E 6 3.5b **¶11908264**
NEIC VIII 15 18 26 57.5–4.0 28.17N 52.79E 6–21 3.5b,3.1
IDC VIII 15 18 26 58.6–3.0 28.39N 52.75E 0 3.9,3.8
ISCJB VIII 15 18 26 58.2–2.4 28.28N–.09 52.83E–.06 13–13 3.9b,3.8
KISR VIII 15 18 26 59.2–.82 28.76N 52.57E 34–0 3.1L,3.8
TEH VIII 15 18 27 01.4 28.31N 52.91E 11 3.1L,3.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=14.1km az=174.0.
IDC Error ellipse: s-maj=64.1km s-min=33.1km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=8.3km az=0.7.
KISR Error ellipse: s-maj=18.9km s-min=9.6km az=-1.0.
ISC VIII 16 14 08 19.0–.48 27.64N–.03 52.78E–.07 10 24 2-8
CSEM VIII 16 14 08 16.0–.41 27.99N 52.81E 10 4.2L **¶12853971**
ISCJB VIII 16 14 08 17.3–.49 27.64N–.03 52.73E–.07 10 4.2L
TEH VIII 16 14 08 18.3 27.53N 52.75E 20 4.2L
SGS VIII 16 14 08 18.1 28.07N 52.65E 16 4.2L
OMAN VIII 16 14 08 52.9–99 26.11N 55.08E 6–0 4.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.7km s-min=5.4km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.1km az=16.8.
OMAN Error ellipse: s-maj=726.1km s-min=2.0km az=323.0.
ISC VIII 18 07 21 31.8–1.1 26.79N–.09 54.65E–.05 10 14 2-7
ISCJB VIII 18 07 21 30.4–1.1 26.86N–.08 54.57E–.05 10 **¶12608588**
TEH VIII 18 07 21 33.3 26.84N 54.85E 9
KISR VIII 18 07 21 33.2–.46 27.00N 54.39E 20–999 3.4L

ISCJB Error ellipse: s-maj=12.1km s-min=5.8km az=3.9.
KISR Error ellipse: s-maj=423.2km s-min=999.9km az=-1.0.
ISC VIII 19 07 05 27.6–3.0 28.2N–.20 51.28E–.08 18–16 24 2-5
ISCJB VIII 19 07 05 26.6–1.2 28.4N–.10 51.22E–.07 10 **¶12608591**
TEH VIII 19 07 05 27.0 28.09N 51.30E 25
CSEM VIII 19 07 05 27.0 28.09N 51.30E 25 3.6L
ISCJB Error ellipse: s-maj=17.2km s-min=4.9km az=155.5.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.
ISC VIII 19 08 40 37.2–1.2 28.8N–.10 51.34E–.05 10 16 2-5
ISCJB VIII 19 08 40 36.3–1.1 28.9N–.10 51.32E–.04 10 **¶12608592**
KISR VIII 19 08 40 36.4–.60 28.88N 50.96E 34–186 2.7L
TEH VIII 19 08 40 39.2 28.85N 51.38E 19 2.7L
ISCJB Error ellipse: s-maj=18.7km s-min=4.0km az=168.2.
KISR Error ellipse: s-maj=59.5km s-min=387.6km az=-1.0.
ISC VIII 20 15 20 34.4–.53 27.98N–.04 57.78E–.06 10 3.6b 61 1-54
OMAN VIII 20 15 20 21.3–99 29.00N 58.22E 20–0 3.6b **¶11908495**
IDC VIII 20 15 20 29.9–2.9 27.83N 57.79E 0 3.9b,3.9
ISCJB VIII 20 15 20 31.8–.58 27.99N–.04 57.94E–.06 10 3.6b,3.9
NEIC VIII 20 15 20 33.5–.93 28.08N 57.65E 10 3.6L,3.4b
CSEM VIII 20 15 20 34.0–.46 27.91N 57.92E 5 3.6L,3.4b
THR VIII 20 15 20 35.2–.30 28.04N 57.71E 15–0 3.6L,3.4b
TEH VIII 20 15 20 37.3 27.92N 57.84E 21 3.6L,3.4b
SGS VIII 20 15 20 38.9 27.89N 57.79E 52 3.6L,3.4b
ISC Event type ke.
OMAN Error ellipse: s-maj=1173.0km s-min=51.6km az=23.0.
IDC Error ellipse: s-maj=75.0km s-min=25.0km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.4km az=33.2.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=9.9km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=16.5km s-min=8.9km az=124.0.
THR Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0.
ISC VIII 21 12 40 11.1–.43 26.07N–.06 59.52E–.05 10 4.2b 149 3-87
ISCJB VIII 21 12 40 09.4–.43 26.10N–.05 59.51E–.05 10 4.2b **¶13392266**
IDC VIII 21 12 40 09.2–.89 25.97N 59.51E 0 4.2,4.1
NEIC VIII 21 12 40 10.2–.47 25.92N 59.50E 10 4.4b,4.1
OMAN VIII 21 12 40 12.7–99 26.20N 59.61E 40–171 4.4b,4.1
CSEM VIII 21 12 40 13.8–.17 26.04N 59.49E 30 4.5b,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.5km az=147.2.
IDC Error ellipse: s-maj=22.6km s-min=16.7km az=11.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.1km az=175.0.
OMAN Error ellipse: s-maj=322.6km s-min=14.8km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=151.0.
ISC VIII 24 00 37 21.7–.74 27.26N–.03 56.01E–.04 21–6 3.9b,3.5s 156 0-89
IDC VIII 24 00 37 19.3–1.0 27.45N 55.81E 0 4.0,3.9 **¶13392441**
SGS VIII 24 00 37 19.7 26.46N 56.84E 17 4.0,3.9
ISCJB VIII 24 00 37 20.3–.65 27.24N–.04 55.97E–.04 28–5 3.9b,3.5s
NEIC VIII 24 00 37 20.8 27.14N 56.00E 13 4.2b,3.9
TEH VIII 24 00 37 20.1 27.07N 56.04E 18 4.2b,3.9
THR VIII 24 00 37 21.8–1.2 27.43N 55.98E 14–0 3.8L,3.9
MOS VIII 24 00 37 22.5–.93 27.45N 55.91E 33 4.2b,3.9
CSEM VIII 24 00 37 22.0–.27 27.34N 56.01E 20 4.0b,3.9
OMAN VIII 24 00 37 39.1–.54 26.34N 56.12E 32–378 4.0b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=17.0km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.1km az=150.1.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=6.5km s-min=12.8km az=-1.0.
MOS Error ellipse: s-maj=15.8km s-min=8.7km az=102.0.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=7.0km az=119.0.
OMAN Error ellipse: s-maj=76.9km s-min=41.7km az=252.0.
ISC VIII 24 01 46 25.8–.88 27.23N–.05 55.96E–.04 15–6 3.7b 106 0-87
THR VIII 24 01 46 23.2–.34 27.26N 55.84E 1–3 3.6L **¶13392444**
ISCJB VIII 24 01 46 24.2–.86 27.15N–.06 55.92E–.05 24–6 3.7b
IDC VIII 24 01 46 24.2–1.8 27.48N 55.78E 0 3.9,3.8
NEIC VIII 24 01 46 25.0 27.16N 55.96E 8 3.9b,3.9L
TEH VIII 24 01 46 25.6 27.16N 55.96E 8 3.9b,3.9L
CSEM VIII 24 01 46 25.1–.41 27.17N 56.00E 15 3.8b,3.9L
SGS VIII 24 01 46 27.9 27.29N 55.94E 6 3.8b,3.9L
ISC Event type ke.
THR Error ellipse: s-maj=5.4km s-min=3.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.0km az=156.9.
IDC Error ellipse: s-maj=42.4km s-min=19.0km az=160.0.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=7.6km az=159.0.
ISC VIII 25 12 16 40.6–.47 27.58N–.05 54.96E–.04 10 3.9b 69 1-92
IDC VIII 25 12 16 37.5–.89 27.56N 55.06E 0 4.0,3.9b **¶13392566**
ISCJB VIII 25 12 16 38.6–.49 27.58N–.05 54.97E–.04 10 3.9b,3.9b
THR VIII 25 12 16 39.2–.32 27.46N 54.77E 38–7 3.7L,3.9b
CSEM VIII 25 12 16 42.4–.33 27.55N 55.00E 30 3.8L,3.9b
TEH VIII 25 12 16 44.8 27.62N 55.01E 34 3.8L,3.9b
NEIC VIII 25 12 16 44.6 27.61N 55.01E 32 3.8,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=22.2km s-min=17.5km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.1km az=1.7.
THR Error ellipse: s-maj=9.8km s-min=4.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.5km s-min=9.5km az=24.0.
NEIC Event type se. After TEH.
ISC VIII 26 06 00 01.0–.55 28.14N–.05 55.76E–.05 10 3.6b 30 1-90
IDC VIII 26 05 59 56.6–2.1 28.24N 56.08E 0 3.8,3.7b **¶12581425**
SGS VIII 26 05 59 58.2 28.40N 55.95E 16 3.8,3.7b
ISCJB VIII 26 05 59 59.1–.54 28.09N–.05 55.66E–.04 10 3.6b,3.7b
KISR VIII 26 05 59 59.4–1.0 28.74N 55.49E 34–999 3.3L,3.7b
TEH VIII 26 06 00 02.7 28.29N 56.10E 23 3.3L,3.7b
IDC Error ellipse: s-maj=43.2km s-min=33.5km az=31.0.
ISCJB Error ellipse: s-maj=7.6km s-min=4.8km az=31.3.
KISR Error ellipse: s-maj=353.0km s-min=999.9km az=-1.0.
ISC VIII 27 20 20 21.7–.89 27.35N–.05 55.95E–.05 10–7 3.6b 63 0-86
IDC VIII 27 20 20 18.2–2.1 27.24N 55.90E 0 3.9,3.8 **¶11908946**
TEH VIII 27 20 20 18.9 27.00N 55.94E 6 3.9,3.8
NEIC VIII 27 20 20 18.7 27.23N 55.93E 8 3.6b,3.5L
ISCJB VIII 27 20 20 19.2–.92 27.23N–.07 55.93E–.05 15–6 3.6b,3.5L
CSEM VIII 27 20 20 21.4–.53 27.26N 55.98E 10 3.7L,3.5L
SGS VIII 27 20 20 23.6 27.36N 55.94E 18 3.7L,3.5L
OMAN VIII 27 20 20 43.6–99 25.99N 56.03E 24–0 3.7L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=22.1km az=160.0.
NEIC Event type se. After THR.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=7.0km az=173.7.
CSEM Event type ke. Error ellipse: s-maj=13.5km s-min=7.5km az=177.0.
OMAN Error ellipse: s-maj=146.2km s-min=25.8km az=336.0.
ISC VIII 31 11 37 56.7–.39 27.76N–.04 55.19E–.04 10 3.7b 76 1-91
IDC VIII 31 11 37 54.0–1.4 27.72N 55.15E 0 3.9,3.9 **¶13393059**
ISCJB VIII 31 11 37 54.7–.40 27.75N–.04 55.11E–.03 10 3.7b,3.9
NEIC VIII 31 11 37 57.5 27.91N 55.24E 14 3.8L,3.7b
CSEM VIII 31 11 37 57.1–.31 27.66N 55.22E 20 3.7L,3.7b
SGS VIII 31 11 37 58.8 28.03N 55.02E 26 3.7L,3.7b
TEH VIII 31 11 38 00.9 27.93N 55.26E 18 3.7L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=20.9km az=160.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=4.5.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=7.8km az=165.0.
ISC IX 01 08 08 54.7–.86 28.09N–.04 52.50E–.05 16–5 3.9b 82 0-94
IDC IX 01 08 08 51.4–1.0 28.04N 52.48E 0 4.0b,4.0 **¶11909208**
CSEM IX 01 08 08 53.6–.25 28.08N 52.51E 10 3.7L,4.0
ISCJB IX 01 08 08 53.1–1.1 28.07N–.05 52.49E–.05 19–8 3.9b,4.0
NEIC IX 01 08 08 54.1 28.34N 52.53E 3 3.9b,3.8
SGS IX 01 08 08 56.9 28.16N 52.49E 12 3.9b,3.8
TEH IX 01 08 08 57.7 28.18N 52.40E 31 3.9b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=17.2km az=165.0.

CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.9km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.5km az=155.9.
NEIC Event type se. After THR.
ISC IX 02 20 20 31.7–1.2 29.47N–.04 51.96E–.07 15–10 37 1-5
SGS IX 02 20 20 29.5 29.69N 52.49E 26 **¶12608661**
TEH IX 02 20 20 31.0 29.45N 51.88E 13
CSEM IX 02 20 20 31.1–.19 29.45N 51.97E 10 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.0km az=146.0.
ISC IX 05 03 11 47.6–.17 29.93N–.02 51.80E–.02 10 4.3b,3.5s 386 1-87
THR IX 05 03 11 42.5–.91 29.71N 51.41E 15–0 4.2L,3.5s **¶11302679**
ISCJB IX 05 03 11 45.7–.17 29.91N–.02 51.77E–.02 10 4.3b,3.5s
CSEM IX 05 03 11 46.2–.13 29.92N 51.75E 2 4.4b,3.5s
IDC IX 05 03 11 46.3–.72 30.05N 51.73E 0 4.2L,4.2b
TEH IX 05 03 11 47.3 29.89N 51.75E 2 4.2L,4.2b
NEIC IX 05 03 11 47.0 29.90N 51.70E 3 4.4,4.3b
SGS IX 05 03 11 48.4 30.03N 52.01E 8 4.4,4.3b
MOS IX 05 03 11 49.3–1.0 30.02N 51.79E 33 4.5b,4.3b
OMAN IX 05 03 12 40.9–99 27.05N 54.99E 10–0 4.5b,4.3b
ISC Event type ke.
THR Error ellipse: s-maj=9.1km s-min=3.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=31.0.
IDC Error ellipse: s-maj=16.8km s-min=13.0km az=150.0.
NEIC Event type se. After TEH.
MOS Error ellipse: s-maj=9.5km s-min=4.9km az=118.0.
OMAN Error ellipse: s-maj=157.6km s-min=9.7km az=331.0.
ISC IX 06 00 00 20.2–.56 26.53N–.05 53.81E–.07 10 24 2-8
TEH IX 06 00 00 14.1 25.97N 53.59E 12 **¶12854019**
ISCJB IX 06 00 00 19.0–.57 26.55N–.05 53.74E–.05 10
CSEM IX 06 00 00 18.5–.40 26.75N 53.86E 10 3.7L
SGS IX 06 00 00 20.4 26.75N 53.76E 6 3.7L
OMAN IX 06 00 00 37.2 25.80N 55.14E 0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.5km az=173.6.
CSEM Event type ke. Error ellipse: s-maj=17.7km s-min=6.3km az=10.0.
ISC IX 10 11 00 34.5–.09 26.77N–.01 55.83E–.01 12 6.0b,5.9s 2646 1-174
BGS IX 10 11 00 21.8–1.6 25.20N 56.35E 12–0 5.8s,5.8b **¶13393964**
BJI IX 10 11 00 29.0 27.02N 55.19E 12 6.3s,6.3b
ISCJB IX 10 11 00 32.7–.09 26.77N–.01 55.82E–.01 12 6.0b,5.9s
NEIC IX 10 11 00 34.1–.13 26.74N 55.83E 12 6.1b,6.0s
PDA IX 10 11 00 34.7 26.82N 55.83E 15 6.1b,6.0s
IGIL IX 10 11 00 34.6 26.83N 55.83E 15 5.7b,6.0s
THR IX 10 11 00 35.1–.62 26.94N 55.72E 7–4 6.2b,5.8L
CSEM IX 10 11 00 35.0–.07 26.80N 55.87E 16 6.1W,6.1b
SFS IX 10 11 00 35.0 26.86N 55.80E 15 6.1L,6.1b
TEH IX 10 11 00 35.3 27.00N 55.83E 10 6.1L,6.1b
IDC IX 10 11 00 36.9–1.6 26.88N 55.90E 27–10 5.8s,5.8
SGS IX 10 11 00 36.5 26.91N 55.64E 0 5.8s,5.8
MOS IX 10 11 00 36.0–.86 26.87N 55.80E 33 6.1b,5.9s
OMAN IX 10 11 00 38.1–2.6 26.94N 56.08E 36–999 6.1b,5.9s
GCMT IX 10 11 00 38.4–.10 26.65N 55.72E 12 6.1W,5.9s
DJA IX 10 11 00 42 26.97N 55.79E 67 6.5W,5.9s
SZGRF IX 10 11 00 57.4 28.04N 53.20E 33 5.8b,5.7s
ISC Event type de.
BGS Error ellipse: s-maj=349.7km s-min=244.0km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=1.8km s-min=1.4km az=12.7.
NEIC Event type de. Error ellipse: s-maj=3.1km s-min=2.3km az=198.0. Seven people killed and at least 30 injured in the Bandar 'Abbas area. Fifteen people injured on Jazireh-ye Qeshm. Many villages damaged in Hormozgan. Felt [IV] at Ajman and Ra's al Khaymah; [III] at Abu Dhabi, Dubai and Sharjah, United Arab Emirates. Also felt at Al 'Ayn and Al Fujayrah. Felt [II] at Doha, Qatar. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s45.00000°,δ70.00000°,λ90.00000°. NP2: ϕ_s225.00000°,δ20.00000°,λ90.00000°. Principal axes: T Plg65.0000°,Azm315.0000° ; N Plg0.0000°,Azm0.0000°; P Plg25.0000°,Azm135.0000° Moment Tensor Solution. s115 Moment tensor: Scale 10^{17}Nm; M_{rr}5.58 $M_{\theta\theta}$-2.94 $M_{\phi\phi}$-2.63 $M_{r\theta}$-1.84 $M_{\theta\phi}$-4.70 $M_{\phi r}$1.20 Best double couple: NP1:ϕ_s248.00000°,δ52.00000°,λ122.00000°. NP2:ϕ_s23.00000° ,δ48.00000°,λ56.00000°. Principal axes: T 6.5800,Plg65.0000°,Azm221.0000° ; N 0.9400,Plg24.0000°,Azm47.0000°; P -7.5100,Plg2.0000°,Azm316.0000° M_o7.10000×10^{17}
THR Error ellipse: s-maj=6.3km s-min=5.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=5.0.
SFS Event type ke.
IDC Error ellipse: s-maj=8.0km s-min=7.3km az=129.0.
MOS Error ellipse: s-maj=5.7km s-min=2.6km az=125.6.
OMAN Error ellipse: s-maj=84.1km s-min=11.9km az=356.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=102, comp=247, per= 50. Moment Tensor Solution. s99,c196; s81,c108; Moment tensor: Scale 10^{18}Nm; M_{rr}1.34±.01 $M_{\theta\theta}$-1.35±.01; $M_{\phi\phi}$0.01±.01; $M_{r\theta}$0.72±.04; $M_{\theta\phi}$-0.91±.01; $M_{\phi r}$0.19±.04; Best double couple: NP1:ϕ_s234.00000°,δ33.00000°,λ76.00000°. NP2:ϕ_s71.00000°,δ58.00000°,λ99.00000°. Principal axes: T 1.5200,Plg75.0000°,Azm7.0000°; N 0.4400,Plg8.0000°,Azm246.0000° ; P -1.9600,Plg12.0000°,Azm154.0000° M_o1.70000×10^{18}
SZGRF Southern Iran.
ISC IX 10 11 08 41.8–.39 26.72N–.04 55.87E–.04 10 4.5b 158 1-121
ISCJB IX 10 11 08 39.9–.39 26.71N–.04 55.82E–.04 10 4.6b **¶11909948**
IDC IX 10 11 08 39.8–.54 26.79N 55.86E 0 4.6,4.6
TEH IX 10 11 08 42.6 26.82N 55.92E 28 4.6,4.6
MOS IX 10 11 08 43.1–1.0 26.74N 55.82E 33 5.2b,4.6
CSEM IX 10 11 08 43.3–.22 26.76N 55.89E 20 4.6b,4.6
NEIC IX 10 11 08 43.8 26.93N 55.73E 11 5.0b,4.7L
THR IX 10 11 08 43.8–.30 26.93N 55.73E 11–4 4.7L,4.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=157.3.
IDC Error ellipse: s-maj=14.2km s-min=13.8km az=79.0.
MOS Error ellipse: s-maj=12.3km s-min=7.8km az=96.1.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.7km az=171.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=4.3km s-min=3.3km az=-1.0.
ISC IX 10 11 13 24.1–.35 26.90N–.03 55.81E–.04 10 4.0b 70 1-91
IDC IX 10 11 13 20.8–.75 26.76N 56.05E 0 4.2,4.1b **¶11909949**
ISCJB IX 10 11 13 22.7–.35 26.91N–.03 55.68E–.04 10 4.0b,4.1b
KISR IX 10 11 13 26.7–.88 27.34N 55.65E 42–999 4.2L,4.1b
CSEM IX 10 11 13 26.2–.19 26.93N 55.95E 30 3.7L,4.1b
OMAN IX 10 11 13 26.3–39 26.83N 55.88E 20–0 3.7L,4.1b
NEIC IX 10 11 13 26.3 27.03N 55.77E 11 3.7L,4.1b
THR IX 10 11 13 26.4–.31 27.03N 55.77E 11–4 3.7L,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=17.3km az=142.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=155.2.
KISR Error ellipse: s-maj=47.0km s-min=86.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.6km az=77.0.
OMAN Error ellipse: s-maj=14.3km s-min=5.6km az=43.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=4.7km s-min=3.8km az=-1.0.
ISC IX 10 11 23 12.6–.81 26.43N–.08 55.50E–.09 10 3.6b 11 1-35
OMAN IX 10 11 20 09.1–99 26.69N 56.03E 12–0 3.6b **¶11909950**
ISCJB IX 10 11 23 10.9–.81 26.51N–.08 55.47E–.09 10 3.6b
IDC IX 10 11 23 18.2–15 27.25N 55.76E 0 3.8,3.8
OMAN Error ellipse: s-maj=163.9km s-min=16.0km az=24.0.
ISCJB Error ellipse: s-maj=13.2km s-min=9.6km az=42.1.
IDC Error ellipse: s-maj=304.0km s-min=39.7km az=179.0.
ISC IX 10 11 26 42.2–1.3 26.89N–.04 55.77E–.05 8–9 3.9b 84 1-52
IDC IX 10 11 26 37.5–3.9 26.60N 55.94E 0 4.0,4.0 **¶11909952**
ISCJB IX 10 11 26 40.1–1.1 26.89N–.04 55.75E–.05 5–9 3.9b,4.0
CSEM IX 10 11 26 41.4–.25 26.88N 55.80E 2 3.4L,4.0
KISR IX 10 11 26 42.8–.81 26.85N 55.21E 5–999 4.0L,4.0
NEIC IX 10 11 26 44.0 27.24N 55.83E 1 3.4L,4.0
TEH IX 10 11 26 46.9 27.17N 55.78E 8 3.4L,4.0
OMAN IX 10 11 26 52.0–99 26.29N 55.99E 30–0 3.4L,4.0
ISC Event type ke.

IDC Error ellipse: s-maj=79.0km s-min=25.8km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.7km az=162.5.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=6.3km az=87.0.
KISR Error ellipse: s-maj=823.7km s-min=999.9km az=-1.0.
NEIC Event type se. After THR.
OMAN Error ellipse: s-maj=27.4km s-min=2.7km az=347.0.

ISC	**IX**	**10 11 33 11.5–.17**	**26.82N–.02**	**55.82E–.02**	**10**	**5.0s,4.7b**	**518**	**1-127**
BJI	IX	10 11 33 07.4	27.12N	55.34E	10	5.5b,5.2s		¶13393967
IDC	IX	10 11 33 09.4–.49	26.84N	55.88E	0	4.6b,4.6		
ISCJB	IX	10 11 33 09.6–.19	26.80N–.02	55.79E–.02	10	5.0s,4.7b		
CSEM	IX	10 11 33 11.4–.12	26.83N	55.83E	10	4.7b,4.7b		
MOS	IX	10 11 33 12.4–.82	26.81N	55.86E	33	4.8b,4.7b		
THR	IX	10 11 33 12.4–.28	26.92N	55.71E	10–3	4.3L,4.7b		
TEH	IX	10 11 33 12.1	26.91N	55.84E	20	4.3L,4.7b		
NEIC	IX	10 11 33 12.3	26.92N	55.71E	10	4.8b,4.5		
SGS	IX	10 11 33 14.9	26.85N	55.71E	10	4.8b,4.5		
OMAN	IX	10 11 33 16.7–18	26.64N	56.07E	15–0	4.8b,4.5		
SZGRF	IX	10 11 33 43.6	28.82N	52.46E	33	4.6b,4.5		

ISC Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=11.3km az=164.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=168.1.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=115.0.
MOS Error ellipse: s-maj=7.9km s-min=4.3km az=117.0.
THR Error ellipse: s-maj=4.0km s-min=3.0km az=-1.0.
NEIC Event type se. After THR.
OMAN Error ellipse: s-maj=9.9km s-min=2.8km az=35.0.
SZGRF Southern Iran.

ISC	**IX**	**10 11 47 54.2–1.3**	**27.02N–.07**	**55.70E–.08**	**4–15**		**55**	**1-8**
ISCJB	IX	10 11 47 53.2–1.3	27.01N–.06	55.64E–.08	15–20			¶12608731
CSEM	IX	10 11 47 53.0–.48	26.85N	55.80E	2	3.6L		
KISR	IX	10 11 47 54.0–.51	27.23N	55.31E	34–671	4.0L		
SGS	IX	10 11 47 55.9	26.85N	55.76E	15	4.0L		
TEH	IX	10 11 47 59.2	27.15N	56.00E	27	4.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=7.9km az=39.5.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=6.1km az=157.0.
KISR Error ellipse: s-maj=388.6km s-min=999.9km az=-1.0.

ISC	**IX**	**10 12 00 22.1–1.3**	**26.97N–.06**	**56.1E–.10**	**6–11**		**19**	**0-8**
ISCJB	IX	10 12 00 20.2–1.1	26.90N–.07	56.08E–.08	10			¶12854031
CSEM	IX	10 12 00 21.3–1.5	26.93N	56.06E	2	3.2L		
SGS	IX	10 12 00 24.8	26.94N	55.94E	12	3.2L		
TEH	IX	10 12 00 26.8	27.13N	56.19E	18	3.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=5.7km az=43.6.
CSEM Event type ke. Error ellipse: s-maj=73.1km s-min=15.1km az=120.0.

ISC	**IX**	**10 12 04 38.5–1.6**	**27.1N–.10**	**55.73E–.09**	**2–16**		**30**	**0-10**
ISCJB	IX	10 12 04 36.0–1.6	27.0N–.10	55.68E–.09	5–15			¶12608733
KISR	IX	10 12 04 37.6–.68	26.83N	55.29E	4–999	3.9L		
SGS	IX	10 12 04 39.4	26.94N	55.73E	15	3.9L		
CSEM	IX	10 12 04 39.3–.59	27.19N	55.77E	5	3.9L		
TEH	IX	10 12 04 48.3	27.61N	55.97E	5	3.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.3km s-min=10.7km az=154.6.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=20.5km s-min=4.5km az=172.0.

ISC	**IX**	**10 13 10 10.1–.73**	**27.04N–.06**	**55.84E–.04**	**10**		**31**	**0-10**
ISCJB	IX	10 13 10 08.3–.69	27.06N–.06	55.76E–.04	10			¶12608735
CSEM	IX	10 13 10 09.6–.53	27.03N	55.79E	2	3.8L		
KISR	IX	10 13 10 10.0–.80	27.31N	55.54E	7–999	3.8L		
TEH	IX	10 13 10 11.2	27.04N	55.91E	2	3.8L		
SGS	IX	10 13 10 12.7	26.93N	55.82E	16	3.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=3.9km az=156.1.
CSEM Event type ke. Error ellipse: s-maj=16.8km s-min=7.3km az=151.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

ISC	**IX**	**10 13 29 16.5–.92**	**26.93N–.04**	**55.87E–.05**	**10–7**	**3.7b**	**61**	**1-87**
IDC	IX	10 13 29 12.6–5.0	26.71N	55.96E	0	3.9,3.8b		¶11909955
KISR	IX	10 13 29 16.8–.79	26.57N	55.15E	3–999	3.6L,3.8b		
CSEM	IX	10 13 29 16.3–.19	26.95N	55.92E	10	3.0L,3.8b		
ISCJB	IX	10 13 29 16.2–.84	26.96N–.04	55.79E–.05	20–8	3.7b,3.8b		
OMAN	IX	10 13 29 18.1	26.83N	56.05E	8	3.7b,3.8b		
SGS	IX	10 13 29 19.5	27.02N	55.70E	16	3.7b,3.8b		
NEIC	IX	10 13 29 21.1	27.32N	55.94E	18	3.6b,3.0L		
TEH	IX	10 13 29 21.7	27.10N	55.99E	18	3.6b,3.0L		

ISC Event type ke.
IDC Error ellipse: s-maj=96.4km s-min=33.5km az=179.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.4km az=102.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.0km az=41.3.
NEIC Event type se. After THR.

ISC	**IX**	**10 13 33 34.5–1.7**	**26.9N–.10**	**55.71E–.06**	**10**		**26**	**1-8**
ISCJB	IX	10 13 33 31.4–1.6	26.8N–.10	55.70E–.06	10			¶12608737
KISR	IX	10 13 33 33.6–.76	26.58N	55.07E	3–999	3.5L		
CSEM	IX	10 13 33 34.7–1.3	27.00N	55.64E	2	3.1L		
TEH	IX	10 13 33 38.5	27.14N	56.11E	27	3.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.7km s-min=6.4km az=162.1.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=39.0km s-min=7.9km az=164.0.

ISC	**IX**	**10 13 42 20.5–2.1**	**27.0N–.20**	**55.70E–.06**	**10**		**21**	**1-8**
ISCJB	IX	10 13 42 18.5–2.0	27.0N–.20	55.62E–.05	10			¶12608738
KISR	IX	10 13 42 18.6–.83	26.60N	55.19E	4–999	3.8L		
CSEM	IX	10 13 42 20.7–1.1	27.04N	55.65E	2	3.8L		
TEH	IX	10 13 42 24.9	27.33N	55.86E	8	3.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.2km s-min=5.0km az=168.8.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=38.0km s-min=6.5km az=166.0.

ISC	**IX**	**10 14 32 46.4–.89**	**26.84N–.03**	**55.79E–.05**	**10–6**	**3.8b**	**71**	**1-89**
IDC	IX	10 14 32 44.0–2.1	26.85N	55.78E	0	4.5s,4.5		¶11909960
CSEM	IX	10 14 32 46.2–.20	26.83N	55.77E	5	3.9b,4.5		
NEIC	IX	10 14 32 48.4	27.14N	55.72E	4	3.9b,3.4L		
SGS	IX	10 14 32 49.7	26.91N	55.61E	15	3.9b,3.4L		
OMAN	IX	10 14 32 49.1–88	26.71N	55.98E	8–0	3.9b,3.4L		
TEH	IX	10 14 32 50.1	26.96N	55.82E	16	3.9b,3.4L		

ISC Event type ke.
IDC Error ellipse: s-maj=45.4km s-min=29.1km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.0km az=94.0.
NEIC Event type se. After THR.
OMAN Error ellipse: s-maj=21.4km s-min=10.8km az=5.0.

ISC	**IX**	**10 15 48 39.2–2.8**	**27.0N–.20**	**55.8E–.30**	**10**		**16**	**1-8**
ISCJB	IX	10 15 48 37.9–2.8	27.0N–.20	55.7E–.30	10			¶12789257
KISR	IX	10 15 48 37.6–.68	27.38N	55.56E	34–999	3.2L		
CSEM	IX	10 15 48 38.8–2.0	27.04N	55.92E	10	3.2L		
OMAN	IX	10 15 48 39.6–99	26.98N	56.21E	8–0	3.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=44.7km s-min=5.7km az=135.5.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=75.4km s-min=11.1km az=50.0.
OMAN Error ellipse: s-maj=32.7km s-min=7.4km az=253.0.

ISC	**IX**	**10 17 07 00.4–1.2**	**26.96N–.04**	**55.86E–.08**	**14–8**	**4.2s,3.7b**	**54**	**1-94**
OMAN	IX	10 17 06 49.3–99	27.69N	55.41E	8–0	4.2s,3.7b		¶14882267
IDC	IX	10 17 06 56.5–1.2	26.74N	55.85E	0	4.1,4.1s		
CSEM	IX	10 17 06 59.6–.28	26.93N	55.82E	10	3.4L,4.1s		
NEIC	IX	10 17 07 01.8	27.07N	55.87E	13	3.6b,3.4L		

ISC Event type ke.
OMAN Error ellipse: s-maj=211.6km s-min=19.0km az=354.0.
IDC Error ellipse: s-maj=26.9km s-min=19.2km az=12.0.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=8.4km az=99.0.
NEIC Event type se. After THR.

ISC	**IX**	**10 18 20 31.4–.23**	**26.82N–.02**	**55.83E–.03**	**10**	**4.0b,3.7s**	**231**	**1-91**
OMAN	IX	10 18 20 26.9–13	27.28N	55.98E	10–0	4.0b,3.7s		¶13394003
IDC	IX	10 18 20 28.8–.63	26.82N	55.97E	0	4.1,4.0b		
ISCJB	IX	10 18 20 29.6–.24	26.83N–.02	55.80E–.03	10	4.0b,3.7s		
BJI	IX	10 18 20 29.1	27.10N	55.80E	8	4.4b,4.3s		
TEH	IX	10 18 20 29.5	26.73N	55.82E	23	4.4b,4.3s		
CSEM	IX	10 18 20 31.3–.15	26.82N	55.86E	10	4.0b,4.3s		
MOS	IX	10 18 20 32.2–1.2	26.85N	55.89E	33	4.2b,4.3s		
SGS	IX	10 18 20 33.8	26.79N	55.73E	10	4.2b,4.3s		
NEIC	IX	10 18 20 34.1	27.11N	55.77E	8	4.2,4.0b		
THR	IX	10 18 20 34.2–.58	27.11N	55.78E	8–8	3.9L,4.0b		

ISC Event type ke.
OMAN Error ellipse: s-maj=8.4km s-min=3.5km az=337.0.
IDC Error ellipse: s-maj=15.5km s-min=13.7km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=176.8.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=77.0.
MOS Error ellipse: s-maj=13.9km s-min=8.3km az=112.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=9.2km s-min=6.6km az=-1.0.

ISC	**IX**	**10 18 26 34.6–.47**	**26.77N–.04**	**55.97E–.04**	**10**	**3.8b**	**112**	**1-90**
ISCJB	IX	10 18 26 32.9–.46	26.79N–.04	55.92E–.04	10	3.8b		¶11909977
IDC	IX	10 18 26 33.0–.76	26.89N	55.94E	0	3.9L,3.9		
CSEM	IX	10 18 26 35.0–.49	26.66N	55.99E	20	3.6L,3.9		
THR	IX	10 18 26 38.7–.29	27.27N	55.85E	3–0	3.6L,3.9		
NEIC	IX	10 18 26 38.8	27.28N	55.85E	2	3.9b,3.6L		
SGS	IX	10 18 26 38.5	26.92N	55.69E	6	3.9b,3.6L		
TEH	IX	10 18 26 43.4	27.06N	55.51E	18	3.9b,3.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=140.6.
IDC Error ellipse: s-maj=17.9km s-min=16.5km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=14.2km s-min=7.2km az=151.0.
THR Error ellipse: s-maj=5.5km s-min=1.5km az=-1.0.
NEIC Event type se. After THR.

ISC	**IX**	**10 19 03 15.2–1.1**	**26.86N–.04**	**55.87E–.05**	**4–8**	**3.7b**	**47**	**1-89**
ISCJB	IX	10 19 03 14.1–1.2	26.90N–.04	55.85E–.06	8–8	3.7b		¶11909984
IDC	IX	10 19 03 14.4–2.0	27.00N	55.84E	0	3.9,3.8b		
CSEM	IX	10 19 03 14.7–.24	26.93N	55.87E	2	3.4L,3.8b		
NEIC	IX	10 19 03 15.4	27.04N	55.91E	3	3.5b,3.4L		
KISR	IX	10 19 03 15.2–.97	26.27N	55.11E	6–999	4.0L,3.4L		
OMAN	IX	10 19 03 16.3–99	26.86N	56.14E	10–0	4.0L,3.4L		
TEH	IX	10 19 03 17.2	26.88N	55.93E	12	4.0L,3.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.6km az=164.3.
IDC Error ellipse: s-maj=47.3km s-min=30.6km az=27.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=6.4km az=87.0.
NEIC Event type se. After THR.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
OMAN Error ellipse: s-maj=51.0km s-min=19.6km az=38.0.

ISC	**IX**	**10 22 46 54.6–.45**	**26.79N–.04**	**55.93E–.04**	**10**	**4.0b**	**169**	**1-90**
ISCJB	IX	10 22 46 52.5–.46	26.75N–.04	55.88E–.04	10	4.0b		¶13394025
IDC	IX	10 22 46 52.8–.72	26.84N	55.93E	0	4.0b,4.0		
MOS	IX	10 22 46 56.0–1.1	26.82N	55.89E	33	4.1b,4.0		
KISR	IX	10 22 46 56.4–.52	27.20N	55.39E	2–898	4.0L,4.0		
CSEM	IX	10 22 46 58.4–.23	26.86N	55.92E	40	4.0b,4.0		
NEIC	IX	10 22 46 58.4	26.87N	55.97E	22	4.0b,3.8		
TEH	IX	10 22 46 58.4	26.87N	55.97E	22	4.0b,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.8km az=169.9.
IDC Error ellipse: s-maj=17.9km s-min=15.1km az=141.0.
MOS Error ellipse: s-maj=12.1km s-min=9.0km az=94.6.
KISR Error ellipse: s-maj=540.3km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.6km az=3.0.
NEIC Event type se. After TEH.

ISC	**IX**	**11 01 11 40.4–.18**	**26.80N–.02**	**55.78E–.02**	**10**	**5.2s,4.8b**	**631**	**1-127**
OMAN	IX	11 01 11 14.8–99	28.85N	56.37E	10–0	5.2s,4.8b		¶13394036
BJI	IX	11 01 11 34.8	27.15N	55.16E	8	5.2s,5.0b		
ISCJB	IX	11 01 11 38.5–.20	26.80N–.03	55.75E–.02	10	5.2s,4.8b		
IDC	IX	11 01 11 38.5–.48	26.84N	55.87E	0	4.7,4.6		
THR	IX	11 01 11 39.5–.69	26.76N	55.75E	14–13	4.3L,4.6		
TEH	IX	11 01 11 41.0	27.02N	55.75E	10	4.3L,4.6		
CSEM	IX	11 01 11 41.6–.10	26.82N	55.81E	20	4.9b,4.6		
MOS	IX	11 01 11 41.9–.73	26.87N	55.80E	33	5.1b,4.6		
NEIC	IX	11 01 11 43.0	27.01N	55.76E	14	4.9b,4.5		
SZGRF	IX	11 01 12 16.9	28.97N	51.77E	33	4.9b,4.5		

ISC Event type ke.
OMAN Error ellipse: s-maj=285.1km s-min=15.1km az=356.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=179.9.
IDC Error ellipse: s-maj=14.9km s-min=11.9km az=140.0.
THR Error ellipse: s-maj=7.6km s-min=10.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=151.0.
MOS Error ellipse: s-maj=8.7km s-min=4.4km az=126.3.
NEIC Event type se. After THR.
SZGRF Southern Iran.

ISC	**IX**	**11 02 16 09.6–.13**	**26.82N–.02**	**55.80E–.02**	**10**	**5.1b,5.0s**	**1348**	**1-134**
TEH	IX	11 02 16 04.6	26.58N	55.69E	10	5.1b,5.0s		¶13394041
BJI	IX	11 02 16 06.1	27.07N	55.23E	20	5.6b,5.2s		
ISCJB	IX	11 02 16 07.8–.13	26.85N–.02	55.79E–.02	10	5.1b,5.0s		
NEIC	IX	11 02 16 09.9	26.93N	55.64E	8	5.2b,4.9		
CSEM	IX	11 02 16 09.3–.09	26.84N	55.83E	10	5.2b,4.9		
MOS	IX	11 02 16 10.9–.82	26.89N	55.81E	33	5.2b,5.0s		
THR	IX	11 02 16 10.6–.30	26.97N	55.66E	8–4	4.8L,5.0s		
IDC	IX	11 02 16 10.7–2.4	26.88N	55.85E	19–14	4.7b,4.7		
SGS	IX	11 02 16 13.5	26.87N	55.65E	14	4.7b,4.7		
OMAN	IX	11 02 16 14.6–99	26.60N	56.05E	10–0	4.7b,4.7		
DJA	IX	11 02 16 18	26.94N	55.80E	74	5.2b,4.7		
SZGRF	IX	11 02 16 23.8	27.18N	53.88E	33	5.0b,4.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=12.9.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=152.0.
MOS Error ellipse: s-maj=5.8km s-min=3.0km az=126.3.
THR Error ellipse: s-maj=4.4km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=12.2km s-min=10.2km az=167.0.
OMAN Error ellipse: s-maj=27.2km s-min=11.4km az=8.0.
SZGRF Southern Iran.

ISC	**IX**	**12 02 20 35.4–.86**	**26.84N–.03**	**55.69E–.06**	**11–9**		**43**	**1-10**
OMAN	IX	12 02 20 25.1–.22	27.51N	56.34E	10–0			¶12608752
SGS	IX	12 02 20 30.9	26.96N	56.07E	12			
ISCJB	IX	12 02 20 33.6–.84	26.84N–.03	55.64E–.07	10–9			
KISR	IX	12 02 20 34.8–.30	26.94N	55.19E	34–0	3.3L		
CSEM	IX	12 02 20 34.3–.24	26.80N	55.71E	2	2.9L		
TEH	IX	12 02 20 36.5	26.92N	55.76E	11	2.9L		

ISC Event type ke.
OMAN Error ellipse: s-maj=24.4km s-min=5.0km az=292.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=3.9km az=9.9.
KISR Error ellipse: s-maj=42.5km s-min=15.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.9km az=109.0.

ISC	**IX**	**12 11 04 16.1–.47**	**26.90N–.03**	**55.82E–.04**	**10**		**37**	**1-10**
SGS	IX	12 11 04 13.9	26.78N	56.23E	8			¶12608760
ISCJB	IX	12 11 04 14.7–.47	26.93N–.04	55.75E–.04	10			
OMAN	IX	12 11 04 14.9–99	26.96N	56.25E	10–0			
CSEM	IX	12 11 04 16.3–.38	26.95N	55.89E	20	3.2L		
KISR	IX	12 11 04 17.7–.90	27.31N	55.30E	34–999	3.5L		
TEH	IX	12 11 04 19.9	26.97N	55.92E	18	3.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=42.7.
OMAN Error ellipse: s-maj=41.8km s-min=17.4km az=231.0.
CSEM Event type ke. Error ellipse: s-maj=11.2km s-min=8.8km az=71.0.
KISR Error ellipse: s-maj=663.7km s-min=999.9km az=-1.0.

ISC	**IX**	**13 01 04 28.6–.32**	**27.86N–.03**	**52.19E–.04**	**10**	**4.0b**	**137**	**2-93**
BJI	IX	13 01 04 24.3	27.97N	51.68E	17	4.5b		¶11910146
THR	IX	13 01 04 25.3–.31	27.79N	52.04E	15–0	3.5L		

IDC IX 13 01 04 25.4–.93 27.69N 52.31E 0 4.0b,4.0
ISCJB IX 13 01 04 26.8–.32 27.86N–.03 52.18E–.04 10 4.0b,4.0
NEIC IX 13 01 04 28.0 27.80N 52.10E 7 4.0b,4.0
TEH IX 13 01 04 28.0 27.80N 52.10E 7 4.0b,4.0
CSEM IX 13 01 04 31.1–.12 27.89N 52.21E 30 4.0b,4.0
OMAN IX 13 01 04 36.4–99 27.75N 52.71E 144–16 4.0b,4.0
ISC Event type ke.
THR Error ellipse: s-maj=6.6km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=16.0km az=9.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=38.9.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=33.0.
OMAN Error ellipse: s-maj=521.1km s-min=37.9km az=308.0.
ISC IX 13 10 15 21.7–1.4 27.1N–.10 55.8E–.10 7–19 25 0-8
ISCJB IX 13 10 15 19.1–1.4 27.0N–.10 55.8E–.10 8–21 **¶12608766**
CSEM IX 13 10 15 19.4–2.0 26.93N 55.84E 2 3.7L
KISR IX 13 10 15 20.6–1.1 28.31N 55.62E 34–999 3.7L
TEH IX 13 10 15 24.0 27.07N 55.92E 14 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=29.0km s-min=10.2km az=135.2.
CSEM Event type ke. Error ellipse: s-maj=58.1km s-min=10.6km az=151.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IX 13 11 48 35.0–.99 29.53N–.07 53.13E–.06 10 20 2-6
KISR IX 13 11 48 32.1–.69 29.94N 52.78E 34–999 2.7L **¶12608768**
ISCJB IX 13 11 48 33.7–1.0 29.53N–.07 53.08E–.06 10 2.7L
TEH IX 13 11 48 37.0 29.41N 53.17E 33 2.7L
KISR Error ellipse: s-maj=359.8km s-min=999.9km az=-1.0.
ISCJB Error ellipse: s-maj=11.7km s-min=4.9km az=142.5.
ISC IX 13 21 40 44.0–.44 26.87N–.04 55.72E–.03 10 3.4b 104 1-87
ISCJB IX 13 21 40 42.5–.45 26.91N–.04 55.64E–.03 10 3.4b **¶11910209**
IDC IX 13 21 40 42.8–3.7 27.16N 55.78E 0 3.6,3.6
KISR IX 13 21 40 43.3–.91 27.23N 55.41E 34–999 3.6L,3.6
NEIC IX 13 21 40 44.0 26.94N 55.67E 6 3.6b,3.3L
CSEM IX 13 21 40 45.0–.34 26.86N 55.80E 20 3.5L,3.3L
TEH IX 13 21 40 48.7 26.91N 55.50E 18 3.5L,3.3L
OMAN IX 13 21 40 49.4–99 26.56N 55.98E 12–0 3.5L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=3.2.
IDC Error ellipse: s-maj=80.7km s-min=21.6km az=175.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=8.1km az=10.0.
OMAN Error ellipse: s-maj=138.8km s-min=11.4km az=19.0.
ISC IX 14 05 21 47.8–.22 26.84N–.02 55.82E–.02 10 4.3b,3.6s 296 1-121
OMAN IX 14 05 21 34.9–99 27.87N 55.66E 10–0 4.3b,3.6s **¶13394323**
IDC IX 14 05 21 44.8–.73 26.73N 55.89E 0 4.2,4.2b
ISCJB IX 14 05 21 45.9–.23 26.83N–.03 55.79E–.03 10 4.3b,3.6s
BJI IX 14 05 21 46.2 27.34N 55.72E 6 4.8b,4.6s
TEH IX 14 05 21 47.1 26.80N 55.87E 19 4.8b,4.6s
SGS IX 14 05 21 47.5 26.73N 56.15E 18 4.8b,4.6s
MOS IX 14 05 21 48.2–1.0 26.79N 55.91E 33 4.5b,4.6s
NEIC IX 14 05 21 50.4 27.08N 55.77E 7 4.4b,4.3
THR IX 14 05 21 50.5–.33 27.08N 55.77E 7–4 4.1L,4.3
CSEM IX 14 05 21 51.2–.12 26.84N 55.87E 40 4.4b,4.3
ISC Event type ke.
OMAN Error ellipse: s-maj=195.2km s-min=17.6km az=353.0.
IDC Error ellipse: s-maj=18.1km s-min=13.9km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=148.6.
MOS Error ellipse: s-maj=8.3km s-min=5.4km az=103.3.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=5.1km s-min=3.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=156.0.
ISC IX 14 05 49 33.8–.83 26.81N–.06 55.77E–.06 10 35 1-10
ISCJB IX 14 05 49 31.6–.81 26.82N–.07 55.72E–.06 10 **¶12608775**
CSEM IX 14 05 49 33.9–.85 26.99N 55.70E 2 3.1L
SGS IX 14 05 49 34.9 27.03N 55.85E 17 3.1L
TEH IX 14 05 49 34.7 26.75N 55.92E 17 3.1L
KISR IX 14 05 49 35.3–.79 27.48N 55.35E 1–999 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=4.1km az=144.6.
CSEM Event type ke. Error ellipse: s-maj=27.3km s-min=10.4km az=152.0.
KISR Error ellipse: s-maj=819.7km s-min=999.9km az=-1.0.
ISC IX 14 09 05 01.6–.61 26.90N–.05 55.74E–.04 10 24 1-8
TEH IX 14 09 04 59.6 26.67N 55.84E 6 **¶12608777**
ISCJB IX 14 09 05 00.3–.60 26.95N–.05 55.67E–.04 10
OMAN IX 14 09 05 02.0 26.87N 56.05E 6
KISR IX 14 09 05 01.7–.84 27.26N 55.34E 34–999 3.8L
CSEM IX 14 09 05 03.2–1.5 26.98N 55.90E 40 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.3km az=2.2.
KISR Error ellipse: s-maj=992.4km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=60.5km s-min=11.1km az=47.0.
ISC IX 14 16 53 09.7–.46 26.85N–.04 55.71E–.03 10 39 1-11
TEH IX 14 16 53 07.8 26.52N 56.00E 16 **¶12608781**
ISCJB IX 14 16 53 07.8–.47 26.87N–.04 55.64E–.03 10
CSEM IX 14 16 53 08.6–.29 26.91N 55.70E 2 3.0L
SGS IX 14 16 53 08.3 26.81N 56.09E 18 3.0L
KISR IX 14 16 53 10.4–.93 27.41N 55.37E 34–999 3.3L
OMAN IX 14 16 53 12.8–99 26.70N 55.99E 10–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=150.9.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=7.2km az=126.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
OMAN Error ellipse: s-maj=99.6km s-min=12.6km az=25.0.
ISC IX 16 04 11 18.1–2.5 28.6N–.10 51.51E–.07 15–15 17 2-5
ISCJB IX 16 04 11 16.7–1.3 28.6N–.10 51.47E–.05 10 **¶12608790**
KISR IX 16 04 11 18.2–1.0 28.97N 51.40E 27–980 2.9L
TEH IX 16 04 11 19.9 28.52N 51.61E 31 2.9L
ISCJB Error ellipse: s-maj=19.0km s-min=4.1km az=165.1.
KISR Error ellipse: s-maj=92.4km s-min=785.5km az=-1.0.
ISC IX 17 17 43 47.9–.11 26.90N–.02 56.03E–.01 14 5.1b,4.6s 1550 1-169
BJI IX 17 17 43 42.7 27.16N 55.46E 14 5.2b,5.0s **¶13394536**
IDC IX 17 17 43 45.4–.41 26.87N 56.05E 0 4.9,4.9
ISCJB IX 17 17 43 46.1–.12 26.93N–.02 56.01E–.01 13 5.1b,4.6s
CSEM IX 17 17 43 47.0–.11 26.88N 56.04E 10 5.2W,5.2b
SGS IX 17 17 43 48.5 26.88N 55.99E 0 5.2W,5.2b
MOS IX 17 17 43 48.8–.98 26.97N 56.02E 33 5.3b,4.5s
TEH IX 17 17 43 48.6 27.03N 56.18E 25 5.3b,4.5s
GCMT IX 17 17 43 49.6–.20 26.75N 55.96E 12 5.2W,4.5s
DJA IX 17 17 43 49 26.92N 56.06E 10 5.1b,4.5s
NEIC IX 17 17 43 49.0 27.00N 56.20E 4 5.3b,5.0
THR IX 17 17 43 50.3–.40 27.20N 55.94E 4–2 4.6L,5.0
OMAN IX 17 17 43 51.0–49 26.76N 56.23E 10–0 4.6L,5.0
SZGRF IX 17 17 44 02.6 27.14N 53.97E 33 4.9b,4.6s
ISC Event type ke.
IDC Error ellipse: s-maj=8.6km s-min=6.6km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=176.4.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=168.0.
MOS Error ellipse: s-maj=5.3km s-min=2.8km az=126.1.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s58,c87; s89,c175; Moment tensor: Scale 10^{16}Nm; M_{rr}8.01±.13 $M_{\theta\theta}$-9.41±.13; $M_{\phi\phi}$1.40±.14; $M_{r\theta}$1.41±.38; $M_{\theta\phi}$-0.80±.12; $M_{\theta r}$-3.02±.37; Best double couple: NP1:ϕ_s245.00000°,δ45.00000°,λ59.00000°. NP2:ϕ_s106.00000°,δ53.00000°,λ117.00000°. Principal axes: T 9.3200,Plg68.0000° ,Azm77.0000°; N 0.2300,Plg21.0000°,Azm269.0000°; P -9.5500,Plg4.0000°,Azm177.0000° $M_0$9.40000×10^{16}
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=3.9km s-min=4.4km az=-1.0.
OMAN Error ellipse: s-maj=16.0km s-min=8.5km az=3.0.
SZGRF Southern Iran.
ISC IX 17 17 49 41.5–1.3 26.87N–.05 56.18E–.05 8–7 4.0b 109 1-90
IDC IX 17 17 49 39.8–.68 26.86N 56.09E 0 4.3,4.2 **¶11910496**
CSEM IX 17 17 49 40.9–.38 26.81N 56.18E 10 4.1L,4.2
ISCJB IX 17 17 49 40.2–1.2 26.87N–.05 56.13E–.05 12–6 4.0b,4.2
TEH IX 17 17 49 42.7 27.04N 56.16E 20 4.0b,4.2
NEIC IX 17 17 49 44.7 27.16N 55.90E 7 4.1,4.1L
THR IX 17 17 49 44.5–.33 27.13N 55.98E 12–1 4.0L,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=14.2km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=7.3km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.8km az=156.6.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=2.9km s-min=4.1km az=-1.0.
ISC IX 17 18 41 50.0–.20 26.98N–.02 56.06E–.03 10 4.4b,3.8s 396 0-90
IDC IX 17 18 41 47.7–.52 26.95N 56.12E 0 4.4,4.3 **¶13394539**
ISCJB IX 17 18 41 48.1–.22 26.96N–.02 56.03E–.03 10 4.4b,3.8s
SGS IX 17 18 41 49.0 26.79N 56.41E 15 4.4b,3.8s
CSEM IX 17 18 41 49.9–.16 26.98N 56.07E 10 4.4b,3.8s
BJI IX 17 18 41 50.0 26.90N 56.20E 10 5.0b,4.6s
MOS IX 17 18 41 50.8–1.0 26.93N 56.03E 33 4.7b,4.6s
NEIC IX 17 18 41 50.0 26.90N 56.20E 7 4.6b,4.4
TEH IX 17 18 41 50.3 27.01N 56.17E 23 4.6b,4.4
THR IX 17 18 41 52.3–.48 27.23N 55.92E 7–4 4.3L,4.4
OMAN IX 17 18 42 06.6–.15 25.76N 56.29E 10–0 4.3L,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=11.6km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=138.1.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=5.1km az=95.0.
MOS Error ellipse: s-maj=7.2km s-min=4.9km az=114.7.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=5.4km s-min=5.0km az=-1.0.
OMAN Error ellipse: s-maj=8.5km s-min=4.6km az=272.0.
ISC IX 17 18 44 48.9–2.3 26.97N–.08 56.10E–.07 6–12 4.0b 83 0-90
ISCJB IX 17 18 44 47.7–2.1 26.94N–.08 56.10E–.07 9–11 4.0b **¶11910499**
IDC IX 17 18 44 48.0–.72 26.94N 56.10E 0 4.1,4.0b
CSEM IX 17 18 44 50.4–.54 27.05N 55.96E 10 4.3b,4.0b
NEIC IX 17 18 44 52.2 27.18N 56.03E 5 4.4b,3.9L
THR IX 17 18 44 52.2–.31 27.18N 56.03E 5–3 3.9L,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=10.2km az=171.4.
IDC Error ellipse: s-maj=17.6km s-min=15.6km az=147.0.
CSEM Event type ke. Error ellipse: s-maj=20.1km s-min=8.1km az=154.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=4.1km s-min=3.9km az=-1.0.
ISC IX 17 18 59 02.3–1.1 26.86N–.05 56.12E–.05 11–6 3.9s,3.8b 99 1-98
ISCJB IX 17 18 59 00.7–1.0 26.85N–.05 56.07E–.05 13–6 3.9s,3.8b **¶13394540**
IDC IX 17 18 59 00.8–.96 26.91N 56.10E 0 3.9,3.9
SGS IX 17 18 59 01.8 27.19N 56.14E 15 3.9,3.9
CSEM IX 17 18 59 02.2–.39 26.86N 56.14E 10 4.0b,3.9
NEIC IX 17 18 59 04.9 27.22N 55.92E 2 4.1b,3.8L
THR IX 17 18 59 05.0–.31 27.22N 55.92E 2–2 3.8L,3.8L
TEH IX 17 18 59 07.2 27.14N 56.09E 12 3.8L,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.4km az=140.4.
IDC Error ellipse: s-maj=21.8km s-min=17.8km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=7.9km az=151.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=3.4km s-min=3.3km az=-1.0.
ISC IX 17 19 01 48.5–.46 26.83N–.05 56.11E–.04 10 4.1b 132 1-90
ISCJB IX 17 19 01 46.8–.46 26.82N–.05 56.07E–.05 10 4.1b **¶13394541**
IDC IX 17 19 01 47.5–.62 26.97N 56.07E 0 4.1,4.1
CSEM IX 17 19 01 49.5–.29 26.88N 56.08E 15 4.2b,4.1
BJI IX 17 19 01 51.6 27.42N 56.31E 10 4.4b,4.1
TEH IX 17 19 01 52.2 27.07N 56.17E 34 4.4b,4.1
THR IX 17 19 01 53.0–.31 27.23N 55.97E 11–3 4.0L,4.1
NEIC IX 17 19 01 53.0 27.23N 55.97E 11 4.2b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.3km az=142.2.
IDC Error ellipse: s-maj=14.5km s-min=12.0km az=180.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=8.7km az=156.0.
THR Error ellipse: s-maj=5.1km s-min=3.8km az=-1.0.
NEIC Event type se. After THR.
ISC IX 17 19 17 47.3–.52 27.01N–.04 55.95E–.05 10 3.6b 36 0-52
IDC IX 17 19 17 43.8–2.8 26.88N 56.05E 0 4.0L,3.7b **¶11910501**
CSEM IX 17 19 17 46.8–.37 27.02N 56.09E 8 3.5b,3.7b
ISCJB IX 17 19 17 46.1–.52 27.05N–.04 55.91E–.05 10 3.6b,3.7b
NEIC IX 17 19 17 48.5 27.17N 55.98E 6 3.5b,3.2L
KISR IX 17 19 17 48.3–.69 27.14N 55.39E 34–999 3.5L,3.2L
OMAN IX 17 19 17 49.5–99 26.86N 56.27E 10–0 3.5L,3.2L
TEH IX 17 19 17 50.2 26.99N 56.13E 14 3.5L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=61.8km s-min=26.6km az=152.0.
CSEM Event type ke. Error ellipse: s-maj=15.6km s-min=8.5km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.9km az=41.6.
NEIC Event type se. After THR.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
OMAN Error ellipse: s-maj=57.1km s-min=17.3km az=231.0.
ISC IX 17 20 15 17.7–1.4 26.84N–.05 55.95E–.08 8–12 3.6b 61 1-52
CSEM IX 17 20 15 15.9–.86 26.70N 56.17E 10 3.7L **¶11910510**
IDC IX 17 20 15 15.8–6.6 26.79N 55.82E 0 3.7b,3.7
ISCJB IX 17 20 15 16.1–1.2 26.84N–.06 55.94E–.08 13–10 3.6b,3.7
SGS IX 17 20 15 16.8 27.21N 56.09E 16 3.6b,3.7
TEH IX 17 20 15 18.8 26.82N 56.11E 7 3.6b,3.7
NEIC IX 17 20 15 20.3 27.25N 55.96E 5 3.6b,3.2L
KISR IX 17 20 15 22.1–.97 27.80N 55.53E 34–999 3.8L,3.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=22.0km s-min=9.6km az=132.0.
IDC Error ellipse: s-maj=129.7km s-min=51.2km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=6.6km az=36.8.
NEIC Event type se. After THR.
KISR Error ellipse: s-maj=804.0km s-min=999.9km az=-1.0.
ISC IX 18 02 10 20.9–.17 26.95N–.02 56.03E–.02 10 4.8s,4.5b 614 0-90
BJI IX 18 02 10 17.9 27.22N 55.96E 11 5.1b,4.8s **¶11279495**
IDC IX 18 02 10 18.8–.58 26.94N 56.00E 0 4.5,4.4s
ISCJB IX 18 02 10 19.0–.17 26.95N–.02 55.99E–.02 10 4.8s,4.5b
SGS IX 18 02 10 20.1 26.74N 56.30E 9 4.8s,4.5b
TEH IX 18 02 10 21.2 27.05N 56.08E 19 4.8s,4.5b
NEIC IX 18 02 10 21.4 27.11N 55.91E 1 4.6b,4.4
MOS IX 18 02 10 21.8–.91 26.94N 56.01E 33 4.7b,4.4
CSEM IX 18 02 10 21.0–.13 26.98N 56.01E 10 4.5b,4.4
THR IX 18 02 10 25.6–1.3 27.32N 56.03E 14–9 4.2L,4.4
OMAN IX 18 02 10 29.3 26.47N 56.08E 10 4.2L,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=12.0km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=175.6.
NEIC Event type se. After THR.
MOS Error ellipse: s-maj=8.0km s-min=3.9km az=125.6.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=76.0.
THR Error ellipse: s-maj=8.4km s-min=17.3km az=-1.0.
ISC IX 19 05 58 55.4–1.3 27.3N–.10 55.81E–.08 4–18 36 0-11
ISCJB IX 19 05 58 53.6–1.1 27.3N–.10 55.75E–.09 10–16 **¶12608820**
CSEM IX 19 05 58 54.2–.47 27.17N 55.79E 2 3.5L
KISR IX 19 05 58 56.1–.70 27.69N 55.42E 9–999 3.5L
TEH IX 19 05 58 57.0 27.14N 55.99E 25 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=8.3km az=150.3.
CSEM Event type ke. Error ellipse: s-maj=17.4km s-min=4.0km az=166.0.
KISR Error ellipse: s-maj=570.4km s-min=999.9km az=-1.0.
ISC IX 22 04 39 42.8–1.0 27.01N–.04 55.89E–.08 17–9 41 0-10
THR IX 22 04 39 40.9–.34 26.98N 55.93E 10–5 3.5L **¶12854058**
CSEM IX 22 04 39 40.7–.45 26.94N 55.85E 2 3.5L
ISCJB IX 22 04 39 41.5–.89 27.02N–.03 55.81E–.08 24–11 3.5L
OMAN IX 22 04 39 42.3–99 26.87N 56.17E 4–0 3.5L

SGS IX 22 04 39 43.2 27.19N 55.79E 20 3.5L
TEH IX 22 04 39 45.2 27.17N 56.16E 10 3.5L
ISC Event type ke.
THR Error ellipse: s-maj=6.2km s-min=9.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=17.3km s-min=10.1km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=5.6km az=0.3.
OMAN Error ellipse: s-maj=64.5km s-min=15.8km az=43.0.
ISC IX 22 06 47 54.0–1.2 29.21N–.05 53.21E–.06 12–6 23 0-8
ISCJB IX 22 06 47 53.0–1.1 29.18N–.05 53.16E–.06 20–8 **¶12608850**
TEH IX 22 06 47 54.6 29.22N 53.21E 10
KISR IX 22 06 47 59.7–.30 29.05N 52.11E 34–0 2.9L
ISCJB Error ellipse: s-maj=9.8km s-min=8.5km az=137.2.
KISR Error ellipse: s-maj=24.3km s-min=9.2km az=-1.0.
ISC IX 22 11 34 08.0–1.1 29.66N–.04 51.32E–.04 4–8 4.1b 51 2-49
IDC IX 22 11 34 05.5–3.0 29.64N 51.24E 0 4.2,4.1b **¶11910825**
SGS IX 22 11 34 08.5 29.87N 51.48E 18 4.2,4.1b
KISR IX 22 11 34 09.8–1.1 29.70N 51.08E 34–102 3.3L,4.1b
TEH IX 22 11 34 09.2 29.69N 51.30E 5 3.3L,4.1b
CSEM IX 22 11 34 10.1–.19 29.70N 51.34E 20 3.3L,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=66.5km s-min=31.8km az=144.0.
KISR Error ellipse: s-maj=21.4km s-min=40.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=152.0.
ISC IX 22 21 47 14.5–.61 26.95N–.04 56.13E–.09 10 29 0-7
ISCJB IX 22 21 47 13.6–.59 26.98N–.04 56.01E–.07 10 **¶12854056**
CSEM IX 22 21 47 13.7–.23 26.95N 56.09E 2 3.1L
OMAN IX 22 21 47 16.0–99 26.81N 56.10E 6–0 3.1L
TEH IX 22 21 47 21.5 27.19N 55.88E 32 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.6km az=5.7.
CSEM Event type ke. Error ellipse: s-maj=21.2km s-min=4.8km az=91.0.
OMAN Error ellipse: s-maj=72.2km s-min=14.6km az=37.0.
ISC IX 25 12 05 38.6–.87 26.12N–.08 59.10E–.06 10 3.8b 32 3-48
OMAN IX 25 12 05 25.4 26.58N 60.44E 50 3.8b **¶11911008**
KISR IX 25 12 05 32.8–.60 25.35N 58.54E 0–999 4.3L
CSEM IX 25 12 05 36.8–2.2 26.04N 59.47E 40 3.6L
SGS IX 25 12 05 36.3 26.06N 59.40E 15 3.6L
ISCJB IX 25 12 05 37.5–.82 26.19N–.08 58.98E–.06 10 3.8b
IDC IX 25 12 05 48.5–6.7 27.60N 58.64E 0 3.9b,3.9
ISC Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=58.0km s-min=22.8km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=7.0km az=163.4.
IDC Error ellipse: s-maj=122.7km s-min=35.1km az=173.0.
ISC IX 25 12 51 21.4–.48 26.82N–.03 55.75E–.05 10 40 1-10
THR IX 25 12 51 20.6–.39 26.95N 55.79E 3–2 3.5L **¶12608871**
OMAN IX 25 12 51 20.4–11 26.87N 55.93E 0–0 3.5L
CSEM IX 25 12 51 20.6–.38 26.83N 55.78E 2 3.7L
ISCJB IX 25 12 51 20.0–.48 26.85N–.03 55.65E–.05 10 3.7L
SGS IX 25 12 51 20.3 27.10N 55.85E 15 3.7L
TEH IX 25 12 51 21.6 26.85N 55.93E 5 3.7L
ISC Event type ke.
THR Error ellipse: s-maj=4.8km s-min=5.1km az=-1.0.
OMAN Error ellipse: s-maj=135.7km s-min=35.2km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=8.3km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=20.2.
ISC IX 26 03 36 32.5–.21 26.93N–.02 55.77E–.03 10 4.2b,3.5s 309 1-121
BJI IX 26 03 36 28.7 27.18N 55.37E 10 4.8b,4.7b **¶11310442**
IDC IX 26 03 36 29.8–.77 26.87N 55.88E 0 4.1,4.1
ISCJB IX 26 03 36 30.9–.21 26.95N–.02 55.74E–.03 10 4.2b,3.5s
TEH IX 26 03 36 31.7 26.87N 55.90E 20 4.2b,3.5s
OMAN IX 26 03 36 32.2–4.8 26.99N 56.11E 0–24 4.2b,3.5s
CSEM IX 26 03 36 32.4–.18 26.94N 55.77E 10 4.3b,3.5s
THR IX 26 03 36 32.3–.36 26.98N 55.82E 6–7 4.1L,3.5s
NEIC IX 26 03 36 32.2 27.01N 55.80E 2 4.2b,4.1L
MOS IX 26 03 36 33.0–.91 26.89N 55.79E 33 4.4b,4.1L
ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=14.3km az=166.0.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=3.3km az=138.8.
OMAN Error ellipse: s-maj=31.1km s-min=23.2km az=78.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.8km az=66.0.
THR Error ellipse: s-maj=8.4km s-min=9.7km az=-1.0.
NEIC Event type fe. Felt lightly in the northern United Arab Emirates. After THR.
MOS Error ellipse: s-maj=9.6km s-min=5.4km az=122.5.
ISC IX 26 15 52 22.1–.14 27.51N–.02 56.70E–.02 23 5.0b,4.1s 1067 0-128
TEH IX 26 15 52 18.2 27.08N 56.80E 23 5.0b,4.1s **¶13395255**
IDC IX 26 15 52 18.5–.41 27.57N 56.69E 0 5.1,5.0
BJI IX 26 15 52 19.3 27.93N 56.34E 24 5.0b,5.0b
CSEM IX 26 15 52 20.4–.09 27.56N 56.71E 10 5.1b,4.0s
ISCJB IX 26 15 52 20.4–.14 27.54N–.02 56.68E–.02 23 5.0b,4.1s
NEIC IX 26 15 52 21.0 27.33N 56.79E 20 5.1b,4.9
MOS IX 26 15 52 22.0–.88 27.61N 56.66E 33 5.2b,4.0s
BGS IX 26 15 52 23.8–1.9 27.48N 56.02E 20–999 4.8b,4.0s
THR IX 26 15 52 24.2–.25 27.62N 56.43E 31–1 4.6L,4.0s
SGS IX 26 15 52 25.2 27.54N 56.42E 19 4.6L,4.0s
OMAN IX 26 15 52 27.6–1.2 27.22N 56.71E 98–24 4.6L,4.0s
DJA IX 26 15 52 30 27.69N 56.67E 95 4.7b,4.0s
SZGRF IX 26 15 52 42.3 28.55N 54.32E 33 4.7b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=10.9km az=12.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=12.6.
NEIC Event type se. After TEH.
MOS Error ellipse: s-maj=5.6km s-min=3.4km az=121.9.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
THR Error ellipse: s-maj=1.2km s-min=2.2km az=-1.0.
OMAN Error ellipse: s-maj=17.7km s-min=10.0km az=35.0.
SZGRF Southern Iran.
ISC IX 28 12 18 45.9–1.5 26.92N–.09 56.11E–.08 10 32 0-8
CSEM IX 28 12 18 44.6–1.1 26.89N 56.11E 2 3.5L **¶12608887**
THR IX 28 12 18 44.0–.63 26.92N 56.13E 15–4 3.6L
TEH IX 28 12 18 45.4 26.84N 56.12E 3 3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=25.0km s-min=8.4km az=146.0.
THR Error ellipse: s-maj=6.5km s-min=17.0km az=-1.0.
ISC IX 29 03 57 51.3–.70 26.92N–.03 55.99E–.04 29–5 4.1b 295 1-90
IDC IX 29 03 57 46.6–1.1 26.85N 55.90E 0 3.9,3.8b **¶11322812**
TEH IX 29 03 57 48.0 26.73N 56.12E 6 3.9,3.8b
NEIC IX 29 03 57 48.0 26.73N 56.12E 6 4.3b,3.7
THR IX 29 03 57 48.0–.36 26.88N 55.92E 6–6 3.8L,3.7
SGS IX 29 03 57 48.6 26.89N 56.14E 11 3.8L,3.7
CSEM IX 29 03 57 48.9–.19 26.92N 55.95E 10 4.3b,3.7
MOS IX 29 03 57 49.9–.92 26.79N 55.85E 33 4.5b,3.7
ISCJB IX 29 03 57 50.2–.65 26.93N–.03 55.94E–.04 32–5 4.1b,3.7
OMAN IX 29 03 57 51.1–3.9 26.85N 56.16E 7–17 4.1b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=18.9km az=9.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=6.1km s-min=10.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.5km az=81.0.
MOS Error ellipse: s-maj=14.8km s-min=5.1km az=130.3.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=165.1.
OMAN Error ellipse: s-maj=36.8km s-min=23.7km az=79.0.
ISC IX 29 04 30 23.3–.51 26.91N–.03 56.05E–.07 10 22 1-7
TEH IX 29 04 30 20.8 26.70N 56.11E 6 **¶12854072**
OMAN IX 29 04 30 21.8–11 26.95N 56.14E 3–39
ISCJB IX 29 04 30 22.3–.51 26.94N–.03 55.97E–.06 10
CSEM IX 29 04 30 22.1–.16 26.93N 56.00E 2 2.9L
ISC Event type ke.
OMAN Error ellipse: s-maj=110.0km s-min=80.6km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.2km az=6.5.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=3.0km az=91.0.
ISC IX 29 22 44 15.1–.52 28.27N–.04 57.20E–.05 10 41 1-11
ISCJB IX 29 22 44 13.1–.56 28.29N–.05 57.09E–.05 10 **¶12608899**
TEH IX 29 22 44 15.4 28.19N 57.53E 11
KISR IX 29 22 44 15.2–.84 28.25N 56.67E 34–999 3.4L
CSEM IX 29 22 44 17.7–.36 28.23N 57.23E 50 3.3L
SGS IX 29 22 44 18.8 28.28N 57.25E 55 3.3L
OMAN IX 29 22 44 26.9–27 27.26N 57.12E 0–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.9km az=3.8.
KISR Error ellipse: s-maj=551.2km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=8.0km az=63.0.
OMAN Error ellipse: s-maj=305.0km s-min=53.2km az=19.0.
ISC IX 30 17 32 47.0–.55 28.28N–.03 56.56E–.04 10 38 1-11
KISR IX 30 17 32 42.8–1.1 28.51N 56.51E 12–999 3.7L **¶12608906**
ISCJB IX 30 17 32 45.0–.49 28.33N–.03 56.47E–.04 10 3.7L
CSEM IX 30 17 32 45.3–.56 28.44N 56.56E 2 3.7L
SGS IX 30 17 32 46.8 28.35N 56.67E 16 3.7L
TEH IX 30 17 32 47.0 28.27N 56.80E 15 3.7L
ISC Event type ke.
KISR Error ellipse: s-maj=602.0km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=14.2km s-min=10.1km az=125.0.
ISC X 02 00 06 16.1–.95 26.93N–.03 56.14E–.04 11–6 3.9b,3.0s 188 0-89
IDC X 02 00 06 13.8–1.4 26.84N 56.16E 0 3.9,3.9b **¶11911669**
CSEM X 02 00 06 16.0–.19 26.96N 56.16E 10 3.5L,3.9b
MOS X 02 00 06 16.7–1.6 26.83N 56.27E 33 4.1b,3.9b
SGS X 02 00 06 16.9 27.06N 56.18E 17 4.1b,3.9b
TEH X 02 00 06 18.8 26.81N 55.83E 20 4.1b,3.9b
NEIC X 02 00 06 18.8 26.81N 55.83E 20 3.8b,3.8
THR X 02 00 06 18.7–.39 27.17N 56.10E 18–2 3.5L,3.8
OMAN X 02 00 06 19.6 26.77N 56.20E 2 3.5L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=29.7km s-min=19.4km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=5.3km az=97.0.
MOS Error ellipse: s-maj=12.5km s-min=8.8km az=98.3.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=3.2km s-min=4.5km az=-1.0.
ISC X 03 16 28 05.2–.84 26.90N–.02 55.77E–.04 6–7 3.6b 78 1-62
IDC X 03 16 28 02.5–1.5 26.74N 55.93E 0 3.7,3.6L **¶12065789**
NEIC X 03 16 28 03.6–.86 26.76N 56.00E 10 3.4L,3.4
ISCJB X 03 16 28 04.3–.92 26.93N–.03 55.72E–.04 11–7 3.6b,3.4
SGS X 03 16 28 05.8 26.68N 56.10E 24 3.6b,3.4
CSEM X 03 16 28 05.4–.23 26.91N 55.89E 10 3.4L,3.4
KISR X 03 16 28 06.0–.41 27.17N 55.33E 34–779 3.9L,3.4
TEH X 03 16 28 06.7 26.83N 55.89E 18 3.9L,3.4
OMAN X 03 16 28 08.2–.00 26.77N 55.90E 7–0 3.9L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=35.8km s-min=25.2km az=136.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=10.4km az=139.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=162.3.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=5.4km az=83.0.
KISR Error ellipse: s-maj=471.6km s-min=999.9km az=-1.0.
OMAN Error ellipse: s-maj=2.6km s-min=0.6km az=265.0.
ISC X 03 18 05 38.0–.90 27.26N–.05 55.97E–.05 10–6 3.5b 75 0-52
NEIC X 03 18 05 35.9–3.7 27.13N 55.96E 3–18 3.5b,3.4 **¶12065798**
SGS X 03 18 05 37.0 27.22N 56.24E 5 3.5b,3.4
ISCJB X 03 18 05 36.5–.85 27.24N–.05 55.94E–.05 14–6 3.5b,3.4
IDC X 03 18 05 36.9–2.1 27.44N 55.79E 0 3.7,3.6b
CSEM X 03 18 05 38.1–.50 27.29N 55.98E 10 3.4L,3.6b
TEH X 03 18 05 40.0 27.30N 56.02E 9 3.4L,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=10.4km az=186.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=6.2km az=135.7.
IDC Error ellipse: s-maj=42.6km s-min=21.6km az=164.0.
CSEM Event type ke. Error ellipse: s-maj=15.4km s-min=9.3km az=160.0.
ISC X 03 21 21 32.0–.89 26.95N–.03 56.08E–.04 19–6 3.8b 121 0-63
IDC X 03 21 21 28.6–1.3 26.95N 56.14E 0 3.7,3.7b **¶12065820**
KISR X 03 21 21 30.9–.84 26.71N 55.49E 6–999 3.8L,3.7b
CSEM X 03 21 21 30.7–.29 26.94N 56.19E 10 3.7b,3.7b
ISCJB X 03 21 21 31.3–.83 26.95N–.03 56.04E–.04 28–7 3.8b,3.7b
OMAN X 03 21 21 32.5–4.0 26.56N 57.30E 35–0 3.8b,3.7b
THR X 03 21 21 32.1–.31 27.11N 56.05E 9–2 3.6L,3.7b
TEH X 03 21 21 32.4 26.87N 56.27E 19 3.6L,3.7b
NEIC X 03 21 21 32.1 27.11N 56.05E 9 3.7b,3.6L
SGS X 03 21 21 34.2 26.79N 56.28E 56 3.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=18.9km az=137.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=6.3km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.2km az=26.9.
OMAN Error ellipse: s-maj=4.6km s-min=1.4km az=352.0.
THR Error ellipse: s-maj=4.6km s-min=8.0km az=-1.0.
NEIC Event type se. After THR.
ISC X 04 15 28 07.8–1.3 29.47N–.06 51.98E–.05 2–10 37 1-7
ISCJB X 04 15 28 06.3–1.2 29.47N–.06 51.96E–.05 3–10 **¶12608917**
SGS X 04 15 28 10.0 29.64N 51.77E 10
CSEM X 04 15 28 09.3–.55 29.52N 51.95E 10 2.9L
KISR X 04 15 28 09.4–.35 29.53N 51.55E 34–328 2.9L
TEH X 04 15 28 14.3 29.90N 52.15E 8 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.9km az=147.0.
CSEM Event type ke. Error ellipse: s-maj=25.9km s-min=10.3km az=167.0.
KISR Error ellipse: s-maj=16.8km s-min=692.5km az=-1.0.
ISC X 04 17 12 57.0–.57 26.84N–.02 56.09E–.03 10–4 4.1b,3.3s 307 1-91
SGS X 04 17 12 55.6 26.90N 56.39E 12 4.1b,3.3s **¶13395980**
ISCJB X 04 17 12 55.4–.53 26.84N–.02 56.05E–.03 12–3 4.1b,3.3s
IDC X 04 17 12 55.5–.70 26.90N 56.06E 0 4.1,4.0
NEIC X 04 17 12 56.8–2.1 26.90N 56.15E 11–12 4.3b,4.0
TEH X 04 17 12 57.1 26.94N 56.04E 18 4.3b,4.0
CSEM X 04 17 12 57.5–.18 26.89N 56.08E 10 4.2b,4.0
THR X 04 17 12 57.1–.34 27.01N 55.90E 2–0 4.0L,4.0
MOS X 04 17 12 58.7–1.1 26.97N 56.04E 33 4.5b,4.0
OMAN X 04 17 12 59.2–.00 27.11N 56.35E 36–3 4.5b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=21.8.
IDC Error ellipse: s-maj=17.1km s-min=13.6km az=177.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.2km az=180.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=5.5km az=140.0.
THR Error ellipse: s-maj=6.2km s-min=5.8km az=-1.0.
MOS Error ellipse: s-maj=9.0km s-min=6.0km az=97.2.
OMAN Error ellipse: s-maj=5.5km s-min=1.6km az=288.0.
ISC X 04 17 29 34.6–.78 26.98N–.03 55.99E–.04 17–6 3.7b 95 0-87
IDC X 04 17 29 31.4–.93 26.93N 56.05E 0 3.9,3.8b **¶12065918**
NEIC X 04 17 29 33.1 26.94N 56.09E 11 3.5b,3.4L
KISR X 04 17 29 33.8–.63 26.96N 55.50E 2–999 3.8L,3.4L
SGS X 04 17 29 33.7 27.36N 56.04E 26 3.8L,3.4L
ISCJB X 04 17 29 33.9–.63 27.01N–.03 55.91E–.04 25–6 3.7b,3.4L
CSEM X 04 17 29 34.1–.28 26.95N 56.06E 10 3.5b,3.4L
OMAN X 04 17 29 34.6–99 26.95N 56.36E 8–0 3.5b,3.4L
TEH X 04 17 29 39.4 27.27N 56.05E 6 3.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=32.4km s-min=16.6km az=128.0.
NEIC Event type se. After THR.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=15.7.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=6.5km az=92.0.
OMAN Error ellipse: s-maj=52.0km s-min=4.4km az=267.0.
ISC X 04 17 35 53.9–.31 26.96N–.02 56.02E–.03 10 3.8b 147 0-87
KISR X 04 17 35 51.7–.59 26.50N 55.40E 34–999 3.8L **¶12065920**
IDC X 04 17 35 51.6–1.3 26.95N 56.11E 0 4.0,3.9b

THR X 04 17 35 51.7–.34 26.87N 55.94E 8–0 3.6L,3.9b
NEIC X 04 17 35 52.0–2.5 26.83N 56.19E 8–13 3.9b,3.6L
ISCJB X 04 17 35 52.1–.31 26.96N–.03 55.96E–.03 10 3.8b,3.6L
SGS X 04 17 35 52.6 26.82N 56.43E 20 3.8b,3.6L
CSEM X 04 17 35 54.9–.24 26.96N 56.09E 20 3.9b,3.6L
OMAN X 04 17 35 54.7–99 26.94N 56.27E 8–0 3.9b,3.6L
TEH X 04 17 35 59.8 27.27N 56.10E 10 3.9b,3.6L
ISC Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=27.6km s-min=16.5km az=150.0.
THR Error ellipse: s-maj=7.5km s-min=4.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.9km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=37.3.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.8km az=99.0.
OMAN Error ellipse: s-maj=37.9km s-min=7.7km az=261.0.
ISC X 05 01 22 43.4–.37 26.97N–.03 56.01E–.04 10 3.7b 93 0-89
IDC X 05 01 22 40.5–.94 26.90N 56.14E 0 3.8b,3.8 **¶12065955**
ISCJB X 05 01 22 41.9–.38 26.97N–.03 55.94E–.04 10 3.7b,3.8
OMAN X 05 01 22 42.1–.08 26.98N 56.71E 16–0 3.7b,3.8
KISR X 05 01 22 43.2–.69 26.62N 55.37E 4–999 3.6L,3.8
CSEM X 05 01 22 43.9–.28 26.95N 56.15E 15 3.2L,3.8
NEIC X 05 01 22 43.9 27.08N 55.97E 6 3.3b,3.3
TEH X 05 01 22 47.8 27.18N 56.04E 4 3.3b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=18.5km az=134.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=173.9.
OMAN Error ellipse: s-maj=28.7km s-min=1.7km az=288.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.5km s-min=6.6km az=83.0.
NEIC Event type se. After THR.
ISC X 05 08 18 03.4–1.5 27.3N–.10 55.61E–.07 35–11 3.7b,3.1s 31 1-87
NEIC X 05 08 17 54.9 26.83N 55.60E 37 3.6b,3.4L **¶12065980**
IDC X 05 08 17 56.5–2.8 27.26N 55.88E 0 3.9,3.8
ISCJB X 05 08 18 01.9–1.3 27.4N–.10 55.53E–.06 37–12 3.7b,3.1s
CSEM X 05 08 18 01.4–.46 27.27N 55.79E 30 3.6b,3.1s
TEH X 05 08 18 06.1 27.79N 55.73E 10 3.6b,3.1s
ISC Event type ke.
NEIC Event type se. After THR.
IDC Error ellipse: s-maj=60.5km s-min=43.7km az=145.0.
ISCJB Event type ke. Error ellipse: s-maj=22.6km s-min=8.8km az=7.5.
CSEM Event type ke. Error ellipse: s-maj=17.6km s-min=10.2km az=172.0.
ISC X 05 09 45 46.1–1.3 27.3N–.10 55.55E–.04 10 3.6b 27 1-52
NEIC X 05 09 45 41.5 26.96N 55.63E 32 3.7b,3.4L **¶12065985**
IDC X 05 09 45 42.2–9.2 27.34N 55.88E 0 3.9b,3.9
ISCJB X 05 09 45 43.4–1.2 27.2N–.10 55.50E–.04 10 3.6b,3.9
CSEM X 05 09 45 45.3–.73 27.36N 55.62E 10 3.4L,3.9
TEH X 05 09 45 50.5 27.67N 55.66E 13 3.4L,3.9
ISC Event type ke.
NEIC Event type se. After THR.
IDC Error ellipse: s-maj=178.6km s-min=56.1km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=5.4km az=3.2.
CSEM Event type ke. Error ellipse: s-maj=27.3km s-min=11.9km az=7.0.
ISC X 05 11 56 40.8–1.4 27.8N–.10 53.69E–.06 10 3.9b 20 2-50
IDC X 05 11 56 38.1–2.8 27.80N 53.91E 0 4.0,3.9b **¶12065998**
ISCJB X 05 11 56 39.0–1.4 27.8N–.10 53.64E–.06 10 3.9b,3.9b
KISR X 05 11 56 40.9–.85 28.21N 53.49E 9–999 3.3L,3.9b
TEH X 05 11 56 44.7 27.91N 53.68E 29 3.3L,3.9b
IDC Error ellipse: s-maj=61.7km s-min=28.6km az=160.0.
ISCJB Error ellipse: s-maj=17.9km s-min=6.9km az=164.1.
KISR Error ellipse: s-maj=378.0km s-min=999.9km az=-1.0.
ISC X 06 00 47 38.6–1.4 26.75N–.04 55.02E–.05 15–9 4.2b 97 1-87
IDC X 06 00 47 35.0–1.4 26.56N 54.94E 0 4.1b,4.1 **¶12066080**
MOS X 06 00 47 38.3–1.0 26.66N 54.84E 33 4.4b,4.1
TEH X 06 00 47 39.1 26.57N 55.16E 18 4.4b,4.1
CSEM X 06 00 47 39.4–.20 26.74N 55.02E 20 3.8b,4.1
NEIC X 06 00 47 39.1 26.57N 55.16E 18 3.8b,3.7
OMAN X 06 00 47 42.8–.07 26.45N 55.22E 6–1 3.8b,3.7
VIE X 06 00 47 45.5 26.76N 54.88E 75 3.8b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=18.2km az=164.0.
MOS Error ellipse: s-maj=26.1km s-min=14.8km az=114.9.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.4km az=60.0.
NEIC Event type se. After TEH.
OMAN Error ellipse: s-maj=5.0km s-min=2.3km az=38.0.
ISC X 09 19 11 44.5–1.0 28.32N–.03 52.89E–.05 19–7 3.8b 98 1-59
IDC X 09 19 11 40.2–1.7 28.28N 52.92E 0 3.9b,3.9 **¶13396504**
NEIC X 09 19 11 41.3 28.29N 52.85E 15 3.4L,3.9
CSEM X 09 19 11 43.7–.29 28.32N 52.90E 15 3.5L,3.9
TEH X 09 19 11 44.1 28.33N 52.84E 5 3.5L,3.9
SGS X 09 19 11 46.5 28.25N 53.00E 14 3.5L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=37.1km s-min=19.7km az=152.0.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=6.3km az=114.0.
ISC X 09 21 49 11.2–.74 26.93N–.02 56.03E–.05 11–5 3.8b 137 0-87
IDC X 09 21 49 07.9–1.2 26.87N 56.11E 0 3.9,3.8b **¶12066464**
THR X 09 21 49 09.1–.58 26.90N 56.05E 7–3 3.5L,3.8b
ISCJB X 09 21 49 10.6–.68 26.93N–.03 55.97E–.05 22–6 3.8b,3.8b
CSEM X 09 21 49 11.4–.24 26.94N 56.00E 10 3.5L,3.8b
SGS X 09 21 49 12.4 27.02N 55.89E 1 3.5L,3.8b
OMAN X 09 21 49 12.3–97 26.86N 56.28E 8–0 3.5L,3.8b
TEH X 09 21 49 14.5 26.94N 56.02E 18 3.5L,3.8b
NEIC X 09 21 49 14.5 26.94N 56.02E 18 3.6,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=18.9km az=132.0.
THR Error ellipse: s-maj=5.1km s-min=8.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=3.2.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=5.5km az=93.0.
OMAN Error ellipse: s-maj=22.5km s-min=13.7km az=355.0.
NEIC Event type se. After TEH.
ISC X 10 08 47 09.0–.53 27.36N–.04 56.20E–.04 12–3 4.1b 180 0-120
OMAN X 10 08 46 59.0–99 28.15N 55.93E 10–0 4.1b **¶13396544**
IDC X 10 08 47 06.1–.90 27.35N 56.08E 0 4.2,4.1b
TEH X 10 08 47 06.4 27.29N 56.37E 26 4.2,4.1b
ISCJB X 10 08 47 07.5–.57 27.32N–.04 56.15E–.04 18–4 4.1b,4.1b
THR X 10 08 47 08.1–.31 27.39N 56.05E 12–7 4.1L,4.1b
NEIC X 10 08 47 08.1 27.39N 56.06E 13 4.1L,4.0b
MOS X 10 08 47 09.7–1.3 27.37N 56.07E 33 4.4b,4.0b
CSEM X 10 08 47 09.0–.24 27.38N 56.17E 10 3.9b,4.0b
ISC Event type ke.
OMAN Error ellipse: s-maj=160.3km s-min=14.3km az=352.0.
IDC Error ellipse: s-maj=21.5km s-min=14.4km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.6km az=6.8.
THR Error ellipse: s-maj=11.4km s-min=7.1km az=-1.0.
NEIC Event type se. After THR.
MOS Error ellipse: s-maj=12.6km s-min=8.3km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=6.9km az=21.0.
ISC X 10 19 41 02.1–1.4 26.90N–.04 55.80E–.09 2–14 32 1-8
ISCJB X 10 19 41 01.7–1.3 26.95N–.04 55.78E–.09 12–13 **¶12608937**
CSEM X 10 19 41 01.6–.16 26.91N 55.83E 2 3.1L
TEH X 10 19 41 01.6 26.77N 55.88E 2 3.1L
KISR X 10 19 41 02.8–.48 26.88N 55.22E 3–999 3.9L
OMAN X 10 19 41 03.4–99 26.85N 56.06E 10–0 3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=6.5km az=177.9.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=89.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
OMAN Error ellipse: s-maj=76.1km s-min=14.5km az=34.0.
ISC X 16 00 16 34.1–.27 29.85N–.03 51.51E–.03 10 4.1b 176 1-49
IDC X 16 00 16 32.2–2.4 29.94N 51.24E 0 3.8b,3.8 **¶11389378**
ISCJB X 16 00 16 32.0–.29 29.82N–.03 51.48E–.03 10 4.1b,3.8
CSEM X 16 00 16 33.5–.25 29.87N 51.52E 5 4.4b,3.4s
NEIC X 16 00 16 34.1 29.74N 51.50E 5 4.1b,3.6
TEH X 16 00 16 34.1 29.74N 51.50E 5 4.1b,3.6
SGS X 16 00 16 34.0 30.08N 51.80E 28 4.1b,3.6
THR X 16 00 16 35.8–.29 29.79N 51.58E 45–5 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=47.9km s-min=21.0km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=158.3.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=6.4km az=160.0.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=2.3km s-min=1.7km az=-1.0.
ISC X 16 17 22 41.6–3.1 26.7N–.30 55.4E–.30 10 14 1-8
CSEM X 16 17 22 35.4–2.0 27.08N 56.09E 2 2.7L **¶12789722**
KISR X 16 17 22 39.1–.43 27.41N 55.36E 34–0 2.7L
OMAN X 16 17 22 43.9–99 26.52N 55.88E 5–0 2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=86.4km s-min=7.3km az=56.0.
KISR Error ellipse: s-maj=18.1km s-min=9.2km az=-1.0.
OMAN Error ellipse: s-maj=228.3km s-min=10.1km az=12.0.
ISC X 17 19 58 38.4–1.6 26.95N–.04 55.88E–.09 2–17 31 1-10
OMAN X 17 19 58 37.7–8.9 26.99N 56.39E 4–41 **¶12608967**
TEH X 17 19 58 37.0 26.69N 56.19E 7
CSEM X 17 19 58 38.5–.99 26.93N 55.88E 2 3.3L
SGS X 17 19 58 38.9 27.15N 56.09E 21 3.3L
KISR X 17 19 58 39.1–.32 27.23N 55.50E 34–0 3.3L
ISC Event type ke.
OMAN Error ellipse: s-maj=128.0km s-min=46.3km az=93.0.
CSEM Event type ke. Error ellipse: s-maj=31.8km s-min=8.2km az=46.0.
KISR Error ellipse: s-maj=14.0km s-min=7.3km az=-1.0.
ISC X 17 21 37 19.6–2.4 27.0N–.20 56.0E–.30 10 18 1-8
ISCJB X 17 21 37 16.7–2.4 27.1N–.20 56.1E–.30 10 **¶12789728**
OMAN X 17 21 37 19.1–3.9 26.94N 56.04E 3–20
CSEM X 17 21 37 20.1–1.5 26.80N 55.70E 2 3.3L
KISR X 17 21 37 21.6–.30 26.80N 55.09E 34–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=43.2km s-min=7.9km az=146.2.
OMAN Error ellipse: s-maj=50.4km s-min=19.8km az=74.0.
CSEM Event type ke. Error ellipse: s-maj=76.5km s-min=9.1km az=45.0.
KISR Error ellipse: s-maj=39.1km s-min=23.9km az=-1.0.
ISC X 19 00 53 24.7–1.4 28.83N–.05 51.82E–.04 10–11 4.0b 99 1-58
THR X 19 00 53 21.7–.41 28.81N 51.74E 15–0 3.5L **¶12069013**
NEIC X 19 00 53 21.7 28.80N 51.73E 15 4.3b,3.7L
IDC X 19 00 53 21.4–1.8 28.74N 51.98E 0 4.1b,4.0
TEH X 19 00 53 22.1 28.59N 51.74E 13 4.1b,4.0
CSEM X 19 00 53 24.4–.29 28.84N 51.83E 10 3.7L,4.0
SGS X 19 00 53 26.3 28.90N 51.89E 17 3.7L,4.0
ISC Event type ke.
THR Error ellipse: s-maj=5.9km s-min=2.4km az=-1.0.
NEIC Event type se. After THR.
IDC Error ellipse: s-maj=43.3km s-min=20.7km az=147.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=6.0km az=168.0.
ISC X 20 12 35 26.9–2.3 29.34N–.06 50.31E–.04 28–21 22 2-5
KISR X 20 12 35 21.2–1.0 29.27N 50.22E 8–169 2.9L **¶12608980**
ISCJB X 20 12 35 26.0–2.2 29.38N–.06 50.31E–.03 31–22 2.9L
TEH X 20 12 35 27.9 29.40N 50.45E 14 2.9L
KISR Error ellipse: s-maj=14.9km s-min=254.2km az=-1.0.
ISCJB Error ellipse: s-maj=10.7km s-min=4.4km az=165.3.
ISC X 20 21 40 09.6–1.3 26.7N–.20 55.0E–.20 10 20 1-7
ISCJB X 20 21 40 07.9–1.3 26.8N–.20 54.9E–.20 10 **¶12789751**
KISR X 20 21 40 10.7–.41 26.82N 54.47E 34–0 3.2L
CSEM X 20 21 40 12.4–.40 26.75N 55.08E 40 3.2L
OMAN X 20 21 40 19.5–99 26.00N 55.43E 0–1 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.9km s-min=5.6km az=37.4.
KISR Error ellipse: s-maj=17.7km s-min=10.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=22.1km s-min=4.9km az=39.0.
OMAN Error ellipse: s-maj=52.3km s-min=5.4km az=319.0.
ISC X 20 21 45 04.8–.31 26.65N–.03 55.03E–.03 10 3.8b 94 1-60
IDC X 20 21 45 02.2–1.6 26.57N 55.00E 0 3.8b,3.8 **¶12069166**
ISCJB X 20 21 45 03.3–.31 26.68N–.03 54.99E–.03 10 3.8b,3.8
SGS X 20 21 45 03.6 27.26N 54.97E 15 3.8b,3.8
KISR X 20 21 45 06.4–1.1 27.34N 54.60E 34–999 3.7L,3.8
CSEM X 20 21 45 07.9–.13 26.63N 55.01E 40 3.8L,3.8
OMAN X 20 21 45 07.0–.25 26.76N 55.15E 64–76 3.8L,3.8
NEIC X 20 21 45 10.0 26.82N 55.33E 18 3.6b,3.3
TEH X 20 21 45 10.0 26.82N 55.33E 18 3.6b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=42.5km s-min=17.0km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=4.1km az=171.8.
KISR Error ellipse: s-maj=750.3km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=59.0.
OMAN Error ellipse: s-maj=21.3km s-min=16.6km az=339.0.
NEIC Event type se. After TEH.
ISC X 21 01 22 04.7–.35 26.62N–.03 54.97E–.03 10 3.8b 88 1-62
IDC X 21 01 22 01.2–1.2 26.64N 55.09E 0 3.9b,3.9 **¶12070708**
NEIC X 21 01 22 02.5 26.52N 54.94E 14 3.8b,3.5L
THR X 21 01 22 02.5–.34 26.51N 54.95E 14–9 3.5L,3.5L
SGS X 21 01 22 02.3 26.78N 55.29E 14 3.5L,3.5L
ISCJB X 21 01 22 03.1–.36 26.67N–.03 54.92E–.03 10 3.8b,3.5L
TEH X 21 01 22 03.3 26.45N 55.07E 3 3.8b,3.5L
KISR X 21 01 22 04.8–.85 26.59N 54.37E 34–999 3.7L,3.5L
CSEM X 21 01 22 05.6–.23 26.70N 55.01E 20 3.8b,3.5L
OMAN X 21 01 22 10.8–99 26.43N 55.34E 23–999 3.8b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=17.7km az=139.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=10.5km s-min=7.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=158.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=6.4km az=170.0.
OMAN Error ellipse: s-maj=87.1km s-min=12.6km az=328.0.
ISC X 21 07 24 41.7–.80 26.81N–.03 55.91E–.06 26–8 3.7b 67 1-62
IDC X 21 07 24 37.2–1.5 26.88N 55.67E 0 3.9b,3.9 **¶12070722**
NEIC X 21 07 24 38.7 26.72N 55.94E 9 3.6b,3.4L
TEH X 21 07 24 39.6 26.62N 56.01E 15 3.6b,3.4L
CSEM X 21 07 24 41.4–.21 26.81N 55.99E 20 3.6b,3.4L
OMAN X 21 07 24 43.0–99 26.83N 56.10E 39–52 3.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=21.9km az=130.0.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=4.9km az=86.0.
OMAN Error ellipse: s-maj=52.5km s-min=14.4km az=9.0.
ISC X 21 11 57 46.0–2.4 29.97N–.08 51.82E–.08 8–22 17 1-4
TEH X 21 11 57 43.7 29.80N 51.62E 13 **¶12608986**
ISCJB X 21 11 57 45.2–1.8 29.93N–.08 51.83E–.08 13–17
KISR X 21 11 57 47.9–.91 29.89N 51.64E 29–479 2.8L
ISCJB Error ellipse: s-maj=15.8km s-min=7.8km az=142.2.
KISR Error ellipse: s-maj=57.4km s-min=387.5km az=-1.0.
ISC X 21 13 03 02.8–.19 26.65N–.02 55.02E–.02 10 4.7b,4.1s 429 1-85
OMAN X 21 13 02 22.6–99 29.74N 53.86E 38–796 4.7b,4.1s **¶13397698**
BJI X 21 13 02 54.9 26.40N 54.43E 10 5.0b,4.8b
IDC X 21 13 03 00.6–.67 26.61N 55.17E 0 4.4,4.4b
ISCJB X 21 13 03 01.0–.19 26.68N–.02 54.99E–.02 10 4.7b,4.1s
THR X 21 13 03 01.0–.48 26.57N 54.91E 14–8 4.4L,4.1s
CSEM X 21 13 03 02.7–.12 26.66N 55.02E 10 4.7b,4.1s
NEIC X 21 13 03 02.4–.42 26.69N 54.99E 10 4.8b,4.4L
MOS X 21 13 03 03.5–1.1 26.61N 55.04E 33 4.9b,4.4L
TEH X 21 13 03 04.9 26.64N 55.07E 15 4.9b,4.4L
SGS X 21 13 03 06.4 26.68N 54.88E 16 4.9b,4.4L
ISC Event type ke.
OMAN Error ellipse: s-maj=245.1km s-min=8.3km az=339.0.

IDC Error ellipse: s-maj=13.0km s-min=9.3km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=155.5.
THR Error ellipse: s-maj=8.8km s-min=6.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.7km az=100.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.2km az=159.0.
MOS Error ellipse: s-maj=8.2km s-min=4.8km az=114.5.

ISC	**X**	**21 13 11 04.1–3.1**	**26.3N–.20**	**55.1E–.10**	**1–18**		**29**	**1-8**
CSEM	X	21 13 11 02.4–1.4	26.08N	55.33E	20	3.7L		¶12608987
THR	X	21 13 11 05.1–.34	26.32N	55.09E	46–6	3.7L		
TEH	X	21 13 11 12.4	26.72N	55.23E	25	3.7L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=34.4km s-min=6.6km az=150.0.
THR Error ellipse: s-maj=8.2km s-min=8.8km az=-1.0.

ISC	**X**	**21 13 17 21.8–1.6**	**26.63N–.09**	**55.03E–.06**	**10–10**	**3.8b**	**48**	**1-52**
IDC	X	21 13 17 18.7–3.0	26.43N	55.06E	0	4.0,4.0		¶12070732
ISCJB	X	21 13 17 20.1–1.5	26.66N–.09	54.98E–.06	10–9	3.8b,4.0		
THR	X	21 13 17 21.9–.58	26.80N	54.89E	14–10	3.5L,4.0		
NEIC	X	21 13 17 22.1	26.82N	54.89E	14	3.8b,3.5L		
CSEM	X	21 13 17 22.2–.76	26.66N	55.02E	10	3.5L,3.5L		
TEH	X	21 13 17 22.9	26.55N	55.09E	15	3.5L,3.5L		

ISC Event type ke.
IDC Error ellipse: s-maj=78.9km s-min=27.1km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=8.0km az=162.1.
THR Error ellipse: s-maj=12.0km s-min=6.6km az=-1.0.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=22.5km s-min=9.0km az=174.0.

ISC	**X**	**21 13 19 45.2–1.7**	**26.7N–.20**	**54.96E–.08**	**10**	**4.2s,3.7b**	**8**	**7-80**
IDC	X	21 13 19 42.5–3.3	26.60N	54.95E	0	4.3s,4.3		¶12070733
ISCJB	X	21 13 19 43.3–1.7	26.7N–.20	54.89E–.08	10	4.2s,3.7b		
KISR	X	21 13 19 46.6–.31	26.59N	54.32E	34–0	3.6L,3.7b		

IDC Error ellipse: s-maj=101.3km s-min=28.9km az=146.0.
ISCJB Error ellipse: s-maj=31.4km s-min=9.7km az=4.5.
KISR Error ellipse: s-maj=13.7km s-min=8.7km az=-1.0.

ISC	**X**	**21 14 23 59.1–.18**	**26.62N–.02**	**54.98E–.02**	**10**	**4.7b,3.9s**	**507**	**1-121**
OMAN	X	21 14 23 53.9–2.4	27.26N	54.70E	35–999	4.7b,3.9s		¶13397708
BJI	X	21 14 23 55.8	27.13N	54.42E	14	5.0b,4.8b		
IDC	X	21 14 23 57.0–.57	26.64N	55.02E	0	4.5,4.4		
ISCJB	X	21 14 23 57.3–.18	26.65N–.02	54.96E–.02	10	4.7b,3.9s		
CSEM	X	21 14 23 58.9–.14	26.64N	54.99E	10	4.7b,3.7s		
THR	X	21 14 23 59.6–.44	26.69N	54.96E	14–7	4.5L,3.7s		
NEIC	X	21 14 23 59.8	26.70N	54.96E	14	4.8b,4.5L		
MOS	X	21 14 24 00.0–1.0	26.66N	54.93E	33	4.9b,4.5L		
TEH	X	21 14 24 00.3	26.55N	55.10E	10	4.9b,4.5L		

ISC Event type ke.
OMAN Error ellipse: s-maj=93.5km s-min=12.4km az=344.0.
IDC Error ellipse: s-maj=14.9km s-min=11.8km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=7.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=41.0.
THR Error ellipse: s-maj=8.3km s-min=5.3km az=-1.0.
NEIC Event type se. After THR.
MOS Error ellipse: s-maj=6.7km s-min=4.7km az=104.7.

ISC	**X**	**21 20 49 35.5–.31**	**26.65N–.03**	**55.02E–.03**	**10**	**3.9b,3.3s**	**133**	**1-76**
OMAN	X	21 20 49 30.6–99	27.07N	54.91E	10–0	3.9b,3.3s		¶12070749
IDC	X	21 20 49 33.0–1.2	26.61N	55.03E	0	3.9,3.9b		
ISCJB	X	21 20 49 33.7–.31	26.66N–.03	54.97E–.03	10	3.9b,3.3s		
NEIC	X	21 20 49 34.2	26.63N	54.91E	14	4.0b,3.9L		
THR	X	21 20 49 34.2–.45	26.62N	54.92E	14–13	3.9L,3.9L		
CSEM	X	21 20 49 35.5–.19	26.66N	55.06E	10	4.0b,3.9L		
TEH	X	21 20 49 37.1	26.46N	55.07E	30	4.0b,3.9L		

ISC Event type ke.
OMAN Error ellipse: s-maj=73.8km s-min=8.6km az=342.0.
IDC Error ellipse: s-maj=27.9km s-min=17.2km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=150.2.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=15.0km s-min=9.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.1km az=58.0.

ISC	**X**	**21 21 12 09.0–1.5**	**26.9N–.10**	**54.92E–.05**	**10**		**11**	**2-7**
TEH	X	21 21 12 05.1	26.65N	54.83E	9			¶12608991
ISCJB	X	21 21 12 06.7–1.5	26.9N–.10	54.88E–.04	10			
KISR	X	21 21 12 07.6–1.1	26.64N	54.36E	34–0	3.1L		

ISCJB Error ellipse: s-maj=17.8km s-min=5.6km az=0.1.
KISR Error ellipse: s-maj=46.9km s-min=29.6km az=-1.0.

ISC	**X**	**22 07 00 16.8–1.5**	**26.63N–.05**	**55.03E–.06**	**17–10**	**3.9b**	**59**	**1-60**
OMAN	X	22 07 00 11.8–99	27.06N	55.02E	10–0	3.9b		¶12070783
IDC	X	22 07 00 12.6–1.7	26.46N	55.04E	0	3.9b,3.9		
ISCJB	X	22 07 00 14.7–1.5	26.66N–.05	54.97E–.05	15–10	3.9b,3.9		
CSEM	X	22 07 00 16.1–.27	26.61N	55.04E	15	4.0b,3.9		
NEIC	X	22 07 00 17.9	26.49N	55.17E	32	3.9b,3.6		
TEH	X	22 07 00 17.9	26.49N	55.17E	32	3.9b,3.6		

ISC Event type ke.
OMAN Error ellipse: s-maj=236.5km s-min=19.6km az=333.0.
IDC Error ellipse: s-maj=44.1km s-min=20.6km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=7.8km az=36.1.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=6.4km az=177.0.
NEIC Event type se. After TEH.

ISC	**X**	**22 09 12 13.8–.88**	**26.90N–.03**	**55.96E–.05**	**17–6**	**3.9b**	**93**	**1-90**
OMAN	X	22 09 11 41.0–99	29.42N	55.21E	66–283	3.9b		¶12070788
IDC	X	22 09 12 10.2–.68	26.86N	55.94E	0	4.0,3.9b		
NEIC	X	22 09 12 12.6	26.96N	55.81E	7	3.9L,3.8b		
THR	X	22 09 12 12.6–.33	26.96N	55.81E	7–5	3.9L,3.8b		
CSEM	X	22 09 12 13.2–.22	26.91N	55.90E	10	3.8L,3.8b		
TEH	X	22 09 12 14.8	26.96N	55.91E	4	3.8L,3.8b		

ISC Event type ke.
OMAN Error ellipse: s-maj=399.5km s-min=12.1km az=348.0.
IDC Error ellipse: s-maj=20.2km s-min=15.1km az=123.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=6.5km s-min=7.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=5.5km az=91.0.

ISC	**X**	**22 13 35 31.1–.39**	**26.91N–.03**	**54.93E–.03**	**10**	**3.8b**	**87**	**1-87**
OMAN	X	22 13 34 16.6–99	32.33N	53.35E	10–0	3.8b		¶12070799
IDC	X	22 13 35 26.2–2.3	26.51N	55.04E	0	3.9,3.8b		
NEIC	X	22 13 35 26.9	26.53N	54.91E	18	4.1b,3.8L		
THR	X	22 13 35 26.9–.32	26.53N	54.91E	17–8	3.8L,3.8L		
ISCJB	X	22 13 35 29.5–.40	26.96N–.03	54.86E–.03	10	3.8b,3.8L		
CSEM	X	22 13 35 29.9–.32	26.64N	55.02E	20	3.8L,3.8L		
KISR	X	22 13 35 29.0–.89	27.10N	54.63E	34–999	3.6L,3.8L		
TEH	X	22 13 35 38.1	27.19N	55.24E	8	3.6L,3.8L		

ISC Event type ke.
OMAN Error ellipse: s-maj=280.0km s-min=11.4km az=340.0.
IDC Error ellipse: s-maj=56.1km s-min=24.8km az=159.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=9.8km s-min=7.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=27.3.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=5.6km az=174.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

ISC	**X**	**22 13 38 42.9–1.3**	**26.52N–.07**	**55.00E–.05**	**16–8**	**3.9b**	**69**	**1-87**
IDC	X	22 13 38 40.6–1.7	26.56N	55.07E	0	4.4L,3.9b		¶12070800
CSEM	X	22 13 38 42.4–.47	26.47N	55.10E	15	3.5L,3.9b		
THR	X	22 13 38 42.1–.33	26.55N	54.92E	14–7	3.5L,3.9b		
NEIC	X	22 13 38 42.1	26.55N	54.92E	14	4.0b,3.5L		
KISR	X	22 13 38 45.7–.56	26.77N	54.41E	4–999	3.6L,3.5L		
TEH	X	22 13 38 53.8	27.10N	55.43E	33	3.6L,3.5L		

ISC Event type ke.
IDC Error ellipse: s-maj=42.8km s-min=18.8km az=153.0.
CSEM Event type ke. Error ellipse: s-maj=17.1km s-min=6.8km az=157.0.
THR Error ellipse: s-maj=10.6km s-min=6.8km az=-1.0.
NEIC Event type se. After THR.
KISR Error ellipse: s-maj=621.2km s-min=999.9km az=-1.0.

ISC	**X**	**22 21 10 36.6–.87**	**29.71N–.07**	**51.88E–.05**	**10**		**27**	**1-7**
KISR	X	22 21 10 31.2–.89	29.64N	51.75E	34–349	3.1L		¶12608998
ISCJB	X	22 21 10 35.3–.86	29.72N–.06	51.86E–.05	10	3.1L		
TEH	X	22 21 10 41.7	29.96N	52.15E	11	3.1L		

KISR Error ellipse: s-maj=40.0km s-min=740.1km az=-1.0.
ISCJB Error ellipse: s-maj=10.2km s-min=4.7km az=148.8.

ISC	**X**	**22 21 33 42.5–1.9**	**29.6N–.10**	**51.3E–.10**	**10**		**19**	**3-7**
SGS	X	22 21 33 41.5	29.69N	51.60E	15			¶12789765
KISR	X	22 21 33 42.1–.52	29.68N	51.28E	44–999	2.7L		
CSEM	X	22 21 33 43.1–.39	29.64N	51.33E	20	2.7L		

ISC Event type ke.
KISR Error ellipse: s-maj=11.6km s-min=27.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=4.9km az=32.0.

ISC	**X**	**23 10 36 42.6–1.4**	**26.7N–.20**	**55.0E–.20**	**10**		**16**	**1-7**
ISCJB	X	23 10 36 41.1–1.4	26.8N–.20	54.9E–.20	10			¶12789774
OMAN	X	23 10 36 43.8–8.2	26.64N	55.18E	4–30			
KISR	X	23 10 36 43.7–.34	26.50N	54.29E	34–0	3.8L		
CSEM	X	23 10 36 45.3–.51	26.75N	55.09E	40	3.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=34.5km s-min=6.1km az=37.2.
OMAN Error ellipse: s-maj=86.7km s-min=42.6km az=174.0.
KISR Error ellipse: s-maj=15.4km s-min=10.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=29.6km s-min=6.6km az=39.0.

ISC	**X**	**23 20 05 47.9–2.6**	**29.5N–.10**	**51.3E–.10**	**3–13**		**15**	**3-7**
KISR	X	23 20 05 46.4–.30	29.81N	50.99E	34–0	2.6L		¶12789777
CSEM	X	23 20 05 47.9–.73	29.53N	51.28E	2	3.2L		
SGS	X	23 20 06 11.2	28.15N	50.87E	26	3.2L		

ISC Event type ke.
KISR Error ellipse: s-maj=26.7km s-min=11.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=19.7km s-min=8.4km az=42.0.

ISC	**X**	**24 05 22 60.0–.77**	**29.49N–.02**	**51.89E–.03**	**19–5**	**4.2b,3.6s**	**289**	**1-95**
IDC	X	24 05 22 56.3–.71	29.50N	51.86E	0	4.1,4.1b		¶11395429
THR	X	24 05 22 57.9–.38	29.51N	51.91E	16–0	4.2L,4.1b		
ISCJB	X	24 05 22 58.9–.71	29.48N–.02	51.86E–.03	28–6	4.2b,3.6s		
SGS	X	24 05 22 59.9	29.69N	52.07E	17	4.2b,3.6s		
NEIC	X	24 05 22 59.0	29.54N	51.84E	4	4.4b,4.2L		
TEH	X	24 05 22 59.8	29.54N	51.84E	4	4.4b,4.2L		
CSEM	X	24 05 22 59.3–.11	29.50N	51.88E	15	4.5b,3.6s		
OMAN	X	24 05 23 02.8–2.8	29.38N	51.94E	152–77	4.5b,3.6s		
BJI	X	24 05 23 05.4	29.77N	52.87E	5	4.5b,3.6s		

ISC Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=13.5km az=157.0.
THR Error ellipse: s-maj=3.7km s-min=1.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=160.2.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=55.0.
OMAN Error ellipse: s-maj=54.6km s-min=30.6km az=52.0.

ISC	**X**	**24 05 30 10.5–.83**	**29.54N–.03**	**51.86E–.04**	**17–6**	**4.1b**	**129**	**1-58**
IDC	X	24 05 30 08.0–1.9	29.63N	51.68E	0	4.1b,4.1		¶12070959
THR	X	24 05 30 07.7–.49	29.52N	51.84E	15–0	3.9L,4.1		
SGS	X	24 05 30 08.9	29.71N	52.16E	16	3.9L,4.1		
CSEM	X	24 05 30 09.6–.21	29.54N	51.83E	10	3.9L,4.1		
TEH	X	24 05 30 10.9	29.55N	51.84E	11	3.9L,4.1		
NEIC	X	24 05 30 10.9	29.55N	51.84E	11	4.0b,3.9L		

ISC Event type ke.
IDC Error ellipse: s-maj=45.3km s-min=19.3km az=147.0.
THR Error ellipse: s-maj=4.9km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.9km az=166.0.
NEIC Event type se. After TEH.

ISC	**X**	**24 14 10 29.7–.14**	**28.89N–.02**	**51.26E–.02**	**10**	**4.7b,4.0s**	**564**	**1-119**
ISCJB	X	24 14 10 27.7–.15	28.89N–.02	51.27E–.02	10	4.7b,4.0s		¶13397967
SGS	X	24 14 10 28.7	29.00N	52.12E	15	4.7b,4.0s		
OMAN	X	24 14 10 29.4–3.2	28.78N	51.05E	6–26	4.7b,4.0s		
MOS	X	24 14 10 29.9–1.3	28.84N	51.14E	33	4.7b,4.0s		
CSEM	X	24 14 10 29.7–.12	28.92N	51.27E	10	4.9b,4.0s		
BJI	X	24 14 10 29.0	29.08N	50.99E	33	5.2b,4.8b		
IDC	X	24 14 10 30.1–3.1	28.93N	51.32E	16–18	4.4,4.3		
THR	X	24 14 10 31.0–.29	29.10N	51.39E	16–0	4.5L,4.3		
NEIC	X	24 14 10 34.5	29.08N	51.27E	21	4.9b,4.6		
TEH	X	24 14 10 35.0	29.13N	51.28E	22	4.9b,4.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=42.6.
OMAN Error ellipse: s-maj=11.3km s-min=3.5km az=55.0.
MOS Error ellipse: s-maj=6.2km s-min=4.8km az=96.9.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=29.0.
IDC Error ellipse: s-maj=13.7km s-min=10.6km az=179.0.
THR Error ellipse: s-maj=3.3km s-min=1.3km az=-1.0.
NEIC Event type se. After TEH.

ISC	**X**	**24 15 51 31.9–.34**	**28.48N–.03**	**57.12E–.05**	**10**	**3.9b**	**108**	**1-90**
ISCJB	X	24 15 51 30.2–.35	28.49N–.03	57.12E–.05	10	3.9b		¶12070998
IDC	X	24 15 51 32.9–.92	28.45N	56.99E	24–5	3.9,3.8L		
THR	X	24 15 51 34.3–.33	28.60N	56.68E	18–4	3.8L,3.8L		
CSEM	X	24 15 51 34.1–.25	28.42N	57.05E	24	3.8L,3.8L		
TEH	X	24 15 51 35.6	28.49N	56.93E	5	3.8L,3.8L		
NEIC	X	24 15 51 35.6	28.49N	56.93E	5	4.0b,3.8		
OMAN	X	24 15 51 38.4–17	27.88N	57.22E	0–0	4.0b,3.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.7km az=8.4.
IDC Error ellipse: s-maj=19.3km s-min=15.8km az=33.0.
THR Error ellipse: s-maj=1.2km s-min=3.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=6.7km az=91.0.
NEIC Event type se. After TEH.
OMAN Error ellipse: s-maj=202.6km s-min=35.7km az=6.0.

ISC	**X**	**25 01 27 19.7–.38**	**26.63N–.03**	**54.99E–.04**	**10**	**3.7b**	**81**	**1-60**
OMAN	X	25 01 27 16.9–2.4	26.89N	55.16E	0–0	3.7b		¶12071045
IDC	X	25 01 27 16.9–1.8	26.65N	55.01E	0	3.9,3.9		
ISCJB	X	25 01 27 17.8–.39	26.63N–.03	54.91E–.04	10	3.7b,3.9		
CSEM	X	25 01 27 20.9–.24	26.67N	55.05E	20	3.1L,3.9		
NEIC	X	25 01 27 21.0	26.81N	54.99E	14	3.4b,3.2		
TEH	X	25 01 27 23.9	26.87N	54.90E	3	3.4b,3.2		

ISC Event type ke.
OMAN Error ellipse: s-maj=30.3km s-min=16.8km az=25.0.
IDC Error ellipse: s-maj=44.8km s-min=19.0km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=145.9.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=6.1km az=65.0.
NEIC Event type se. After THR.

ISC	**X**	**25 01 28 46.1–.28**	**26.55N–.03**	**54.97E–.02**	**10**	**4.5b,3.8s**	**522**	**1-115**
THR	X	25 01 28 43.6–.31	26.42N	54.92E	15–5	4.1L,3.8s		¶11362614
NEIC	X	25 01 28 43.6	26.41N	54.92E	16	4.5b,4.3		
BJI	X	25 01 28 44.9	27.05N	54.42E	28	5.0b,4.7s		
ISCJB	X	25 01 28 44.4–.28	26.59N–.03	54.95E–.02	10	4.5b,3.8s		
IDC	X	25 01 28 45.0–.62	26.67N	55.01E	0	4.3,4.3b		
CSEM	X	25 01 28 46.0–.23	26.57N	54.96E	10	4.5b,4.3b		
MOS	X	25 01 28 47.7–1.2	26.64N	54.89E	33	4.7b,4.3b		
TEH	X	25 01 28 48.7	26.57N	55.04E	19	4.7b,4.3b		

ISC Event type ke.
THR Error ellipse: s-maj=8.9km s-min=6.5km az=-1.0.
NEIC Event type se. After THR.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=165.3.
IDC Error ellipse: s-maj=15.8km s-min=11.8km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.2km az=159.0.
MOS Error ellipse: s-maj=6.6km s-min=4.4km az=114.2.

ISC	**X**	**25 20 17 17.0–.13**	**26.58N–.02**	**55.02E–.01**	**10**	**5.1b,4.8s**	**1228**	**1-126**
IDC	X	25 20 17 14.9–.39	26.63N	55.18E	0	4.9,4.9		¶13398062
ISCJB	X	25 20 17 15.3–.13	26.62N–.02	55.02E–.02	10	5.1b,4.8s		
THR	X	25 20 17 16.9–.32	26.63N	54.89E	14–5	5.1L,4.8s		
OMAN	X	25 20 17 17.6–.54	26.62N	55.15E	0–0	5.1L,4.8s		
GCMT	X	25 20 17 18.2–.20	26.37N	54.91E	12	5.4W,4.8s		
CSEM	X	25 20 17 18.4–.09	26.62N	55.00E	20	5.4W,5.3b		
MOS	X	25 20 17 18.0–1.0	26.63N	54.98E	33	5.3b,4.8s		
TEH	X	25 20 17 20.2	26.53N	54.99E	29	5.3b,4.8s		
SGS	X	25 20 17 20.2	26.57N	54.94E	14	5.3b,4.8s		
BJI	X	25 20 17 20.0	26.70N	55.00E	57	5.3b,5.1s		
NEIC	X	25 20 17 20.2	26.53N	54.99E	29	5.2b,5.1L		

DJA X 25 20 17 27 26.97N 55.01E 84 4.9b,5.1L
ISC Event type de.
IDC Error ellipse: s-maj=10.0km s-min=8.3km az=127.0.
ISCJB Event type de. Error ellipse: s-maj=2.5km s-min=1.9km az=18.3.
THR Error ellipse: s-maj=5.7km s-min=3.2km az=-1.0.
OMAN Error ellipse: s-maj=13.3km s-min=6.9km az=66.0.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s51,c65; s86,c154; Moment tensor: Scale 10^{17}Nm; M_{rr}0.99±.02 $M_{\theta\theta}$-1.18±.02; $M_{\phi\phi}$0.19±.03; $M_{r\theta}$0.78±.07; $M_{\theta\phi}$0.06±.02; $M_{\theta r}$-0.74±.07; Best double couple: NP1:ϕ_s249.00000°,δ31.00000°,λ45.00000°. NP2:ϕ_s119.00000°,δ69.00000°,λ113.00000°. Principal axes: T 1.5900,Plg60.0000° ,Azm62.0000°; N -0.1100,Plg22.0000°,Azm290.0000°; P -1.4900,Plg20.0000° ,Azm191.0000° $M_0$1.50000×10^{17}
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=35.0.
MOS Error ellipse: s-maj=5.5km s-min=3.2km az=122.8.
NEIC Event type de. Nine people injured in the Bandar-e Kong area. Felt at Dubai, United Arab Emirates. After TEH.

ISC	**X**	**25 20 25 16.4–.27**	**26.66N–.02**	**55.04E–.03**	**10**	**4.0b**	**174**	**1-91**
IDC	X	25 20 25 13.1–.88	26.55N	55.13E	0	4.1,4.0		**¶12071097**
ISCJB	X	25 20 25 14.7–.27	26.70N–.02	55.00E–.03	10	4.0b,4.0		
SGS	X	25 20 25 15.9	26.64N	55.25E	16	4.0b,4.0		
THR	X	25 20 25 16.7–.56	26.66N	55.02E	14–10	4.2L,4.0		
CSEM	X	25 20 25 18.7–.12	26.66N	55.06E	30	4.2b,4.0		
TEH	X	25 20 25 19.6	26.58N	55.09E	34	4.2b,4.0		
NEIC	X	25 20 25 19.0	26.58N	55.09E	35	4.2b,4.2L		
OMAN	X	25 20 25 23.3–10	26.17N	55.33E	0–0	4.2b,4.2L		

ISC Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=15.6km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=169.8.
THR Error ellipse: s-maj=12.8km s-min=10.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=66.0.
NEIC Event type se. After TEH.
OMAN Error ellipse: s-maj=116.7km s-min=13.4km az=153.0.

IDC	**X**	**25 21 05 16.9–2.5**	**26.50N**	**55.04E**	**0**	**3.5b,3.5**		
								¶12071100

IDC Error ellipse: s-maj=68.7km s-min=24.5km az=161.0.

ISC	**X**	**25 21 09 45.3–.27**	**26.62N–.03**	**55.01E–.03**	**10**	**4.2b**	**198**	**1-76**
OMAN	X	25 21 09 33.5–11	27.68N	54.64E	77–78	4.2b		**¶12071101**
IDC	X	25 21 09 43.1–.75	26.61N	54.98E	0	4.1,4.1b		
ISCJB	X	25 21 09 43.5–.27	26.64N–.03	54.97E–.03	10	4.2b,4.1b		
THR	X	25 21 09 44.0–.67	26.59N	54.95E	14–11	4.0L,4.1b		
NEIC	X	25 21 09 44.1	26.60N	54.94E	14	4.4b,4.0L		
CSEM	X	25 21 09 45.2–.17	26.61N	55.03E	10	4.3b,4.0L		
MOS	X	25 21 09 46.2–.97	26.60N	54.99E	33	4.4b,4.0L		
SGS	X	25 21 09 48.0	26.60N	54.98E	16	4.4b,4.0L		
TEH	X	25 21 09 50.2	26.80N	55.00E	19	4.4b,4.0L		

ISC Event type ke.
OMAN Error ellipse: s-maj=125.0km s-min=30.6km az=160.0.
IDC Error ellipse: s-maj=18.5km s-min=12.9km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=157.1.
THR Error ellipse: s-maj=12.3km s-min=8.4km az=-1.0.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.9km az=60.0.
MOS Error ellipse: s-maj=11.6km s-min=7.5km az=77.1.

ISC	**X**	**25 21 48 24.9–.55**	**26.68N–.08**	**54.91E–.06**	**10**	**3.5b**	**22**	**1-60**
IDC	X	25 21 48 21.6–1.9	26.12N	55.23E	0	3.6b,3.6		**¶12071105**
ISCJB	X	25 21 48 23.1–.55	26.75N–.08	54.87E–.06	10	3.5b,3.6		
OMAN	X	25 21 48 24.5–6.6	26.70N	55.07E	0–0	3.5b,3.6		
KISR	X	25 21 48 25.8–.33	26.92N	54.46E	34–0	3.5L,3.6		
CSEM	X	25 21 48 27.1–.45	26.75N	55.01E	30	3.5L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=63.7km s-min=21.1km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=5.2km az=30.2.
OMAN Error ellipse: s-maj=76.9km s-min=20.2km az=3.0.
KISR Error ellipse: s-maj=14.1km s-min=8.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=27.2km s-min=6.4km az=36.0.

ISC	**X**	**26 00 37 35.9–.21**	**27.63N–.02**	**56.63E–.03**	**10**	**4.4b,3.4s**	**250**	**0-120**
OMAN	X	26 00 37 21.7–7.9	28.60N	57.01E	0–0	4.4b,3.4s		**¶13398072**
IDC	X	26 00 37 33.7–.55	27.63N	56.76E	0	4.3,4.3		
ISCJB	X	26 00 37 34.1–.21	27.66N–.02	56.58E–.03	10	4.4b,3.4s		
KISR	X	26 00 37 34.8–1.1	28.28N	56.57E	18–999	4.2L,3.4s		
CSEM	X	26 00 37 36.7–.15	27.63N	56.66E	15	4.6b,3.4s		
TEH	X	26 00 37 37.8	27.48N	56.69E	18	4.6b,3.4s		
NEIC	X	26 00 37 38.8	27.87N	56.30E	14	4.5b,3.8L		
THR	X	26 00 37 38.7–.59	27.87N	56.29E	14–7	3.8L,3.8L		

ISC Event type ke.
OMAN Error ellipse: s-maj=86.4km s-min=19.1km az=8.0.
IDC Error ellipse: s-maj=14.4km s-min=12.1km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=140.5.
KISR Error ellipse: s-maj=724.1km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=5.0km az=75.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=2.2km s-min=6.6km az=-1.0.

ISC	**X**	**26 02 03 51.5–.30**	**26.62N–.03**	**54.96E–.04**	**10**	**3.9b**	**118**	**1-62**
IDC	X	26 02 03 48.6–1.1	26.57N	55.01E	0	4.0,3.9		**¶12071120**
ISCJB	X	26 02 03 49.6–.31	26.62N–.03	54.90E–.04	10	3.9b,3.9		
OMAN	X	26 02 03 50.5–3.8	26.76N	55.07E	13–69	3.9b,3.9		
CSEM	X	26 02 03 52.8–.28	26.59N	55.03E	20	4.0b,3.9		
KISR	X	26 02 03 52.1–.84	27.74N	54.85E	34–999	4.2L,3.9		
NEIC	X	26 02 03 59.0	26.93N	55.09E	24	3.8b,3.4		
TEH	X	26 02 03 59.4	26.93N	55.09E	24	3.8b,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=15.1km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.7km az=44.0.
OMAN Error ellipse: s-maj=83.0km s-min=23.0km az=152.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=8.3km az=22.0.
KISR Error ellipse: s-maj=669.9km s-min=999.9km az=-1.0.
NEIC Event type se. After TEH.

ISC	**X**	**26 03 25 09.9–1.9**	**26.62N–.04**	**54.98E–.07**	**7–14**		**24**	**1-9**
OMAN	X	26 03 25 02.3–4.6	27.37N	54.73E	77–31			**¶12609023**
ISCJB	X	26 03 25 08.0–1.7	26.63N–.04	54.93E–.07	7–13			
CSEM	X	26 03 25 09.2–.17	26.60N	55.03E	2	3.4L		
KISR	X	26 03 25 10.5–.80	27.04N	54.62E	34–999	3.4L		
TEH	X	26 03 25 27.7	27.88N	55.03E	10	3.4L		

ISC Event type ke.
OMAN Error ellipse: s-maj=52.4km s-min=13.7km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.0km az=162.7.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=171.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

IDC	**X**	**26 04 20 16.9–3.2**	**26.47N**	**55.12E**	**0**	**3.6,3.6**		
								¶15267635

IDC Error ellipse: s-maj=78.9km s-min=34.5km az=151.0.

ISC	**X**	**26 09 02 29.7–2.3**	**26.60N–.05**	**54.90E–.04**	**25–20**	**3.6b**	**31**	**1-60**
TEH	X	26 09 02 23.7	26.25N	55.01E	11	3.6b		**¶12071142**
IDC	X	26 09 02 25.5–2.2	26.44N	54.97E	0	3.8,3.8		
KISR	X	26 09 02 27.8–.29	26.79N	54.47E	34–0	3.6L,3.8		
ISCJB	X	26 09 02 28.1–2.1	26.61N–.05	54.83E–.04	29–19	3.6b,3.8		
OMAN	X	26 09 02 28.8–7.4	26.70N	54.89E	57–146	3.6b,3.8		
CSEM	X	26 09 02 30.5–.39	26.67N	55.00E	60	3.6L,3.8		

ISC Event type ke.
IDC Error ellipse: s-maj=68.6km s-min=20.9km az=150.0.
KISR Error ellipse: s-maj=12.7km s-min=7.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.7km az=25.9.
OMAN Error ellipse: s-maj=86.3km s-min=38.4km az=160.0.
CSEM Event type ke. Error ellipse: s-maj=18.9km s-min=6.0km az=37.0.

ISC	**X**	**26 21 15 25.3–.61**	**26.39N–.07**	**55.02E–.05**	**10**	**4.3b,3.7s**	**206**	**1-88**
ISCJB	X	26 21 15 23.7–.58	26.42N–.07	54.98E–.04	10	4.3b,3.7s		**¶11395431**
THR	X	26 21 15 24.0–.36	26.41N	54.95E	14–9	3.8L,3.7s		
NEIC	X	26 21 15 24.1	26.41N	54.94E	14	4.3b,3.8L		
IDC	X	26 21 15 24.7–1.5	26.60N	55.03E	0	4.2,4.1b		
CSEM	X	26 21 15 25.3–.34	26.42N	55.04E	10	4.4b,4.1b		
TEH	X	26 21 15 29.7	26.63N	55.18E	13	4.4b,4.1b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.3km az=155.8.
THR Error ellipse: s-maj=10.3km s-min=8.6km az=-1.0.
NEIC Event type se. After THR.
IDC Error ellipse: s-maj=35.4km s-min=15.5km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=12.1km s-min=4.8km az=156.0.

IDC	**X**	**27 01 25 34.8–1.8**	**26.48N**	**55.15E**	**0**	**3.5b,3.5**		
								¶12071211

IDC Error ellipse: s-maj=38.2km s-min=18.0km az=160.0.

ISC	**X**	**27 02 47 02.0–.37**	**26.82N–.04**	**55.80E–.04**	**10**	**4.0b**	**179**	**1-91**
IDC	X	27 02 46 59.6–1.2	26.76N	55.76E	0	4.0,3.9		**¶11395432**
NEIC	X	27 02 46 59.9	26.77N	55.82E	4	4.1b,3.6L		
ISCJB	X	27 02 47 00.2–.43	26.81N–.04	55.75E–.04	10	4.0b,3.6L		
THR	X	27 02 47 00.7–1.1	26.73N	55.85E	15–0	3.6L,3.6L		
CSEM	X	27 02 47 03.6–.22	26.88N	55.83E	20	4.1b,3.6L		
TEH	X	27 02 47 05.5	26.85N	55.94E	18	4.1b,3.6L		
OMAN	X	27 02 47 14.2–5.7	26.04N	55.86E	0–0	4.1b,3.6L		

ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=16.5km az=171.0.
NEIC Event type se. After THR.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=153.0.
THR Error ellipse: s-maj=11.7km s-min=11.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=6.7km az=83.0.
OMAN Error ellipse: s-maj=63.6km s-min=17.4km az=155.0.

ISC	**X**	**27 10 23 52.4–1.3**	**29.63N–.07**	**51.83E–.05**	**11–10**	**4.0b**	**38**	**1-58**
IDC	X	27 10 23 45.6–2.9	29.17N	52.16E	0	4.1b,3.9		**¶12071229**
ISCJB	X	27 10 23 50.7–1.2	29.66N–.07	51.80E–.05	7–9	4.0b,3.9		
KISR	X	27 10 23 51.4–.96	29.61N	51.75E	24–526	3.5L,3.9		
CSEM	X	27 10 23 52.6–.19	29.73N	51.81E	10	3.4L,3.9		
TEH	X	27 10 23 58.8	30.09N	52.14E	10	3.4L,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=76.1km s-min=25.7km az=136.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=5.1km az=153.0.
KISR Error ellipse: s-maj=38.5km s-min=536.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.1km az=152.0.

ISC	**X**	**27 10 41 04.4–.28**	**26.64N–.03**	**54.91E–.03**	**10**	**4.2b,3.7s**	**121**	**1-87**
OMAN	X	27 10 40 32.7–8.1	28.86N	54.02E	0–0	4.2b,3.7s		**¶12071230**
THR	X	27 10 40 59.7–.34	26.29N	54.93E	14–8	3.9L,3.7s		
NEIC	X	27 10 40 59.8	26.29N	54.93E	14	4.3b,3.9L		
IDC	X	27 10 41 01.5–.96	26.58N	55.03E	0	4.2,4.2L		
ISCJB	X	27 10 41 02.7–.29	26.65N–.03	54.86E–.03	10	4.2b,3.7s		
TEH	X	27 10 41 02.0	26.31N	55.04E	10	4.2b,3.7s		
CSEM	X	27 10 41 05.7–.26	26.64N	54.99E	20	4.3b,3.7s		
KISR	X	27 10 41 07.0–.49	26.99N	54.42E	34–636	4.4L,3.7s		

ISC Event type ke.
OMAN Error ellipse: s-maj=89.5km s-min=13.3km az=168.0.
THR Error ellipse: s-maj=9.4km s-min=8.6km az=-1.0.
NEIC Event type se. After THR.
IDC Error ellipse: s-maj=24.1km s-min=14.0km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=19.5.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=6.6km az=13.0.
KISR Error ellipse: s-maj=442.8km s-min=999.9km az=-1.0.

ISC	**X**	**27 11 25 38.7–.31**	**27.96N–.04**	**54.95E–.03**	**10**	**3.9b**	**97**	**1-92**
OMAN	X	27 11 25 12.8–17	29.72N	54.32E	0–0	3.9b		**¶12071232**
IDC	X	27 11 25 35.7–.78	27.83N	55.11E	0	4.0,4.0		
ISCJB	X	27 11 25 36.6–.32	27.94N–.04	54.90E–.03	10	3.9b,4.0		
CSEM	X	27 11 25 39.9–.22	27.92N	55.02E	20	3.8L,4.0		
KISR	X	27 11 25 39.1–1.0	27.93N	54.73E	23–999	3.7L,4.0		
THR	X	27 11 25 40.3–.77	28.04N	55.11E	15–0	3.8L,4.0		
NEIC	X	27 11 25 43.1	27.93N	55.03E	35	3.8b,3.8		
TEH	X	27 11 25 43.1	27.93N	55.03E	35	3.8b,3.8		

ISC Event type ke.
OMAN Error ellipse: s-maj=192.0km s-min=26.7km az=169.0.
IDC Error ellipse: s-maj=19.9km s-min=17.2km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=25.4.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=6.5km az=52.0.
KISR Error ellipse: s-maj=708.7km s-min=999.9km az=-1.0.
THR Error ellipse: s-maj=3.5km s-min=6.2km az=-1.0.
NEIC Event type se. After TEH.

ISC	**X**	**27 20 50 54.8–.90**	**27.85N–.07**	**54.91E–.06**	**10**	**3.6b**	**16**	**1-52**
IDC	X	27 20 50 49.2–3.2	27.71N	55.20E	0	3.7,3.7		**¶12071277**
ISCJB	X	27 20 50 53.6–1.0	27.88N–.08	54.88E–.08	10	3.6b,3.7		
TEH	X	27 20 50 55.8	27.77N	54.87E	18	3.6b,3.7		

IDC Error ellipse: s-maj=79.7km s-min=33.4km az=153.0.
ISCJB Error ellipse: s-maj=13.2km s-min=6.9km az=36.9.

ISC	**X**	**28 13 45 38.9–.74**	**26.59N–.05**	**55.02E–.07**	**10**		**14**	**1-8**
OMAN	X	28 13 45 17.3–7.4	27.86N	54.08E	3–46			**¶12854122**
ISCJB	X	28 13 45 37.3–.75	26.63N–.05	55.01E–.06	10			
TEH	X	28 13 45 43.6	26.75N	55.11E	24			

OMAN Error ellipse: s-maj=83.8km s-min=26.6km az=24.0.
ISCJB Error ellipse: s-maj=9.0km s-min=6.2km az=148.8.

ISC	**X**	**29 16 55 43.2–2.5**	**26.8N–.10**	**55.10E–.09**	**14–14**	**3.4b**	**16**	**1-52**
IDC	X	29 16 55 39.7–2.7	26.61N	55.00E	0	3.6,3.6		**¶12071500**
TEH	X	29 16 55 46.2	26.92N	55.16E	23	3.6,3.6		

IDC Error ellipse: s-maj=72.0km s-min=25.5km az=160.0.

ISC	**X**	**30 06 32 48.5–1.3**	**26.63N–.04**	**54.95E–.05**	**17–8**	**3.9b**	**82**	**1-60**
NEIC	X	30 06 32 44.6	26.45N	54.89E	14	3.9b,3.6L		**¶12071597**
THR	X	30 06 32 44.6–.31	26.45N	54.89E	14–8	3.6L,3.6L		
IDC	X	30 06 32 44.9–1.7	26.59N	54.95E	0	4.0,4.0		
OMAN	X	30 06 32 46.3–.19	26.84N	54.82E	39–43	4.0,4.0		
CSEM	X	30 06 32 48.1–.20	26.62N	54.98E	15	3.9b,4.0		
TEH	X	30 06 32 49.6	26.72N	55.09E	4	3.9b,4.0		

ISC Event type ke.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=9.4km s-min=7.2km az=-1.0.
IDC Error ellipse: s-maj=42.6km s-min=17.5km az=155.0.
OMAN Error ellipse: s-maj=36.1km s-min=7.3km az=43.0.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.2km az=55.0.

ISC	**XI**	**02 01 21 01.4–.46**	**26.62N–.04**	**54.94E–.03**	**40–6**	**3.8b**	**102**	**1-60**
THR	XI	02 01 20 53.8–.35	26.35N	54.92E	14–9	3.5L		**¶12071935**
IDC	XI	02 01 20 55.7–1.6	26.58N	54.94E	0	3.9,3.8b		
KISR	XI	02 01 20 58.7–.85	26.77N	54.45E	34–999	3.7L,3.8b		
TEH	XI	02 01 20 59.8	26.46N	55.04E	30	3.7L,3.8b		
ISCJB	XI	02 01 20 59.7–.50	26.65N–.04	54.87E–.03	40–6	3.8b,3.8b		
OMAN	XI	02 01 21 00.4–.05	26.71N	55.16E	76–89	3.8b,3.8b		
NEIC	XI	02 01 21 00.0	26.47N	55.05E	32	3.7b,3.5L		
CSEM	XI	02 01 21 01.1–.39	26.63N	54.99E	37–4	3.6b,3.5L		

ISC Event type ke.
THR Error ellipse: s-maj=9.9km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=40.0km s-min=16.1km az=156.0.
KISR Error ellipse: s-maj=941.1km s-min=999.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.8km az=24.5.
OMAN Error ellipse: s-maj=60.5km s-min=17.0km az=301.0.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.7km az=36.0.

ISC	**XI**	**03 19 06 37.2–3.5**	**27.29N–.09**	**53.89E–.08**	**31–27**	**3.4b**	**13**	**2-51**
IDC	XI	03 19 06 32.0–2.6	27.10N	53.88E	0	3.4b,3.4		**¶12072155**
TEH	XI	03 19 06 35.4	27.15N	53.84E	24	3.4b,3.4		
ISCJB	XI	03 19 06 36.3–1.8	27.3N–.10	53.87E–.09	38–16	3.4b,3.4		
ISC	**XI**	**05 02 22 19.0–.27**	**26.57N–.03**	**55.02E–.03**	**10**	**4.0b,3.2s**	**239**	**1-90**
ISCJB	XI	05 02 22 17.0–.27	26.57N–.03	54.99E–.03	10	4.0b,3.2s		**¶12072325**
IDC	XI	05 02 22 16.4–.77	26.48N	55.07E	0	4.1,4.0b		
THR	XI	05 02 22 17.8–.38	26.57N	54.91E	14–6	4.2L,4.0b		
NEIC	XI	05 02 22 17.8	26.58N	54.90E	14	4.2,4.2L		
SGS	XI	05 02 22 18.2	26.55N	55.32E	13	4.2,4.2L		
CSEM	XI	05 02 22 20.3–.13	26.59N	55.03E	20	4.0b,4.2L		
MOS	XI	05 02 22 20.3–1.0	26.56N	55.01E	38	4.3b,3.1s		
TEH	XI	05 02 22 22.0	26.60N	55.09E	22	4.3b,3.1s		
OMAN	XI	05 02 22 44.0–99	24.76N	55.43E	33–25	4.3b,3.1s		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=149.8.

IDC Error ellipse: s-maj=18.5km s-min=14.0km az=142.0.
THR Error ellipse: s-maj=6.7km s-min=4.0km az=-1.0.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=139.0.
MOS Error ellipse: s-maj=11.1km s-min=7.0km az=78.0.
OMAN Error ellipse: s-maj=122.0km s-min=8.7km az=341.0.

TEH XI 05 09 46 58.0 29.56N 51.73E 8
CSEM XI 05 09 46 58.1–.54 29.55N 51.83E 10 3.5L **¶14011242**
CSEM Event type ke. Error ellipse: s-maj=13.9km s-min=5.0km az=31.0.

ISC XI 05 12 52 57.7–1.0 28.82N–.10 51.78E–.04 10 48 1-7
TEH XI 05 12 52 54.2 28.37N 51.87E 21 **¶12609059**
ISCJB XI 05 12 52 57.4–.97 28.96N–.09 51.72E–.04 10
CSEM XI 05 12 52 58.6–.39 28.84N 51.86E 20 3.5L
KISR XI 05 12 53 00.5–.62 29.17N 51.22E 34–331 3.0L
ISC Event type ke.
ISCJB Error ellipse: s-maj=13.4km s-min=4.4km az=169.5.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=4.8km az=168.0.
KISR Error ellipse: s-maj=44.5km s-min=703.7km az=-1.0.

ISC XI 08 14 07 43.4–.87 28.36N–.04 52.57E–.05 14–6 3.6b 69 1-50
IDC XI 08 14 07 40.1–2.4 28.36N 52.62E 0 3.7b,3.7 **¶12072827**
ISCJB XI 08 14 07 41.4–.84 28.34N–.04 52.55E–.05 13–6 3.6b,3.7
TEH XI 08 14 07 42.4 28.27N 52.57E 3 3.6b,3.7
CSEM XI 08 14 07 42.6–.43 28.35N 52.60E 10 3.5L,3.7
SGS XI 08 14 07 43.1 28.34N 52.93E 15 3.5L,3.7
KISR XI 08 14 07 44.1–1.9 28.08N 51.96E 34–999 3.3L,3.7
NEIC XI 08 14 07 45.3 28.44N 52.60E 12 3.6b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=53.4km s-min=24.6km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.5km az=41.7.
CSEM Event type ke. Error ellipse: s-maj=13.9km s-min=8.2km az=134.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. After TEH.

ISC XI 11 13 51 03.8–.22 27.59N–.02 52.49E–.03 10 4.3b,3.0s 336 2-94
ISCJB XI 11 13 51 01.8–.22 27.59N–.02 52.52E–.03 10 4.3b,3.0s **¶11474873**
IDC XI 11 13 51 01.6–.61 27.62N 52.61E 0 4.3,4.2
THR XI 11 13 51 01.1–.74 27.53N 52.35E 15–0 4.1L,4.2
NEIC XI 11 13 51 03.0 27.63N 52.49E 15 4.4b,4.0L
BJI XI 11 13 51 03.2 27.60N 52.40E 10 4.8b,4.4b
TEH XI 11 13 51 04.3 27.57N 52.35E 12 4.8b,4.4b
CSEM XI 11 13 51 06.5–.10 27.64N 52.53E 30 4.4b,4.4b
MOS XI 11 13 51 07.1–.90 27.61N 52.52E 55 4.6b,4.4b
OMAN XI 11 13 51 08.9–1.0 27.32N 52.54E 30–0 4.6b,4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=137.9.
IDC Error ellipse: s-maj=16.5km s-min=13.1km az=4.0.
THR Error ellipse: s-maj=15.1km s-min=3.9km az=-1.0.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=49.0.
MOS Error ellipse: s-maj=9.0km s-min=5.7km az=117.4.
OMAN Error ellipse: s-maj=16.9km s-min=6.5km az=24.0.

ISC XI 11 15 38 56.7–.16 26.56N–.02 54.96E–.02 10 4.7b,4.1s 711 1-121
BJI XI 11 15 38 51.5 26.64N 54.50E 14 5.0b,4.9b **¶13399849**
ISCJB XI 11 15 38 54.9–.17 26.58N–.02 54.94E–.02 10 4.7b,4.2s
IDC XI 11 15 38 54.8–.46 26.55N 55.06E 0 4.6,4.5
NEIC XI 11 15 38 56.7 26.68N 54.87E 14 4.9b,4.6L
THR XI 11 15 38 57.2–.38 26.71N 54.90E 14–5 4.6L,4.6L
MOS XI 11 15 38 57.9–.93 26.57N 54.95E 33 5.0b,4.0s
TEH XI 11 15 38 58.9 26.60N 54.97E 6 5.0b,4.0s
CSEM XI 11 15 38 58.1–.09 26.59N 54.96E 20 4.8b,4.0s
OMAN XI 11 15 39 01.0–3.5 26.56N 55.09E 30–0 4.8b,4.0s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=14.2.
IDC Error ellipse: s-maj=10.9km s-min=8.1km az=165.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=15.2km s-min=6.2km az=-1.0.
MOS Error ellipse: s-maj=6.4km s-min=3.8km az=118.1.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=47.0.
OMAN Error ellipse: s-maj=4.3km s-min=2.7km az=284.0.

ISC XI 11 15 47 48.2–.72 26.60N–.06 55.00E–.04 10 3.7b 57 1-90
ISCJB XI 11 15 47 46.4–.70 26.62N–.06 54.99E–.04 10 3.7b **¶12073190**
IDC XI 11 15 47 46.1–1.2 26.50N 55.07E 0 3.9,3.8b
TEH XI 11 15 47 49.9 26.44N 55.13E 29 3.9,3.8b
KISR XI 11 15 47 50.3–.38 26.75N 54.38E 34–0 3.4L,3.8b
CSEM XI 11 15 47 50.8–.49 26.84N 55.02E 20 3.4L,3.8b
NEIC XI 11 15 47 51.8–.90 26.76N 55.02E 35 3.5b,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.0km az=161.7.
IDC Error ellipse: s-maj=33.5km s-min=19.7km az=158.0.
KISR Error ellipse: s-maj=16.6km s-min=10.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=18.2km s-min=6.7km az=169.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=12.4km az=159.0.

ISC XI 11 20 38 17.3–1.6 26.8N–.10 54.96E–.07 10 10 2-7
ISCJB XI 11 20 38 15.7–1.6 26.8N–.10 54.91E–.07 10 **¶12609073**
KISR XI 11 20 38 16.5–.30 26.78N 54.36E 34–0 2.9L
TEH XI 11 20 38 20.6 26.73N 55.11E 17 2.9L
ISCJB Error ellipse: s-maj=17.6km s-min=8.2km az=169.4.
KISR Error ellipse: s-maj=38.8km s-min=16.2km az=-1.0.

ISC XI 11 22 45 36.8–.28 28.36N–.03 56.04E–.03 10 4.1b 118 1-91
IDC XI 11 22 45 33.7–1.1 28.31N 56.04E 0 4.1,3.9L **¶12073239**
ISCJB XI 11 22 45 34.8–.30 28.41N–.03 55.96E–.03 10 4.1b,3.9L
KISR XI 11 22 45 34.1–.66 28.62N 55.69E 34–999 3.5L,3.9L
NEIC XI 11 22 45 36.5 28.40N 56.25E 15 3.6,3.5L
THR XI 11 22 45 36.5–.30 28.43N 56.25E 15–0 3.5L,3.5L
CSEM XI 11 22 45 37.5–.24 28.29N 56.06E 20 4.4b,3.5L
TEH XI 11 22 45 40.0 28.32N 56.05E 22 4.4b,3.5L
OMAN XI 11 22 45 44.7–2.8 27.93N 54.94E 30–0 4.4b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=19.5km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=145.9.
KISR Error ellipse: s-maj=272.0km s-min=999.9km az=-1.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=1.3km s-min=5.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=6.7km az=62.0.
OMAN Error ellipse: s-maj=50.4km s-min=13.4km az=112.0.

ISC XI 15 09 47 35.6–1.9 25.6N–.10 58.0E–.20 10 29 2-10
OMAN XI 15 09 47 25.6–99 26.50N 58.38E 29–999 **¶12789964**
ISCJB XI 15 09 47 32.0–1.9 25.8N–.10 58.1E–.20 10
CSEM XI 15 09 47 35.6–1.2 25.60N 58.01E 10 4.0L
KISR XI 15 09 47 39.5–.59 26.11N 57.21E 34–999 4.0L
ISC Event type ke.
OMAN Error ellipse: s-maj=160.9km s-min=48.6km az=13.0.
ISCJB Event type ke. Error ellipse: s-maj=26.2km s-min=8.3km az=148.2.
CSEM Event type ke. Error ellipse: s-maj=37.5km s-min=12.3km az=56.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

ISC XI 17 20 41 08.0–2.1 26.85N–.08 55.69E–.08 5–15 3.8b 28 1-87
CSEM XI 17 20 41 06.2–.46 27.03N 56.04E 2 3.2L **¶12073906**
OMAN XI 17 20 41 08.5–.05 26.93N 56.16E 10–0 3.2L
KISR XI 17 20 41 09.2–.33 26.51N 54.98E 34–0 3.2L
IDC XI 17 20 41 29.7–12 27.46N 55.25E 190–134 3.3,3.2b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=18.2km s-min=4.9km az=51.0.
OMAN Error ellipse: s-maj=4.4km s-min=2.7km az=271.0.
KISR Error ellipse: s-maj=15.8km s-min=9.8km az=-1.0.
IDC Error ellipse: s-maj=348.9km s-min=21.3km az=148.0.

ISC XI 18 04 00 19.8–1.6 28.4N–.10 52.29E–.07 10 31 1-7
CSEM XI 18 04 00 20.8–.93 28.69N 52.28E 2 3.5L **¶12609084**
TEH XI 18 04 00 20.1 28.39N 52.19E 25 3.5L
KISR XI 18 04 00 20.3–.76 28.29N 51.80E 34–0 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=26.8km s-min=7.0km az=161.0.
KISR Error ellipse: s-maj=17.7km s-min=10.8km az=-1.0.

TEH XI 18 11 59 21.4 26.62N 55.01E 27
KISR XI 18 11 59 20.1–.34 29.57N 54.94E 34–0 2.7L **¶14011714**
KISR Error ellipse: s-maj=4.0km s-min=3.5km az=-1.0.

ISC XI 21 22 06 43.3–2.3 26.76N–.05 55.64E–.08 10–19 29 1-8
TEH XI 21 22 06 38.4 26.64N 55.88E 18 **¶12609093**
KISR XI 21 22 06 41.5–.93 27.21N 55.40E 34–999 3.4L
CSEM XI 21 22 06 44.4–.85 26.79N 55.68E 20 3.4L
OMAN XI 21 22 06 48.8–99 26.44N 56.12E 24–204 3.4L
ISC Event type ke.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=33.4km s-min=5.0km az=50.0.
OMAN Error ellipse: s-maj=926.0km s-min=27.7km az=11.0.

ISC XI 22 06 45 01.1–1.1 26.90N–.04 55.96E–.09 10–11 30 1-8
CSEM XI 22 06 44 58.4–.45 27.03N 56.04E 2 3.6L **¶12609094**
ISCJB XI 22 06 45 00.2–1.2 26.93N–.04 55.92E–.09 15–12 3.6L
TEH XI 22 06 45 01.5 26.88N 55.96E 7 3.6L
KISR XI 22 06 45 01.6–.46 27.48N 55.40E 34–0 3.6L
OMAN XI 22 06 45 02.2–99 26.81N 56.07E 8–17 3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.5km s-min=3.9km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.1km az=176.0.
KISR Error ellipse: s-maj=19.2km s-min=9.6km az=-1.0.
OMAN Error ellipse: s-maj=77.9km s-min=7.2km az=345.0.

ISC XI 25 02 34 19.8–.85 27.82N–.04 56.80E–.06 11–8 23 0-6
ISCJB XI 25 02 34 18.6–1.2 27.85N–.04 56.81E–.07 12–11 **¶12854307**
CSEM XI 25 02 34 19.8 28.08N 56.18E 14 3.3L
TEH XI 25 02 34 21.1 27.68N 56.76E 30 3.3L
OMAN XI 25 02 34 39.1–99 26.49N 57.64E 10–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=7.3km az=1.6.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THR.
OMAN Error ellipse: s-maj=31.4km s-min=2.6km az=12.0.

ISC XI 25 03 18 03.4–.78 27.84N–.04 56.63E–.07 25–9 34 0-11
CSEM XI 25 03 18 00.1–.48 28.07N 56.53E 15 3.4L **¶12854306**
TEH XI 25 03 18 02.4 27.90N 56.63E 4 3.4L
SGS XI 25 03 18 02.2 27.52N 56.83E 10 3.4L
OMAN XI 25 03 18 20.1–99 26.63N 56.17E 10–0 3.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.2km s-min=9.3km az=100.0.
OMAN Error ellipse: s-maj=88.8km s-min=18.1km az=38.0.

TEH XI 25 14 02 35.7 27.83N 56.80E 25
CSEM XI 25 14 02 35.7 27.83N 56.80E 25 3.5L **¶14011874**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TEH.

ISC XI 25 22 13 17.6–.63 29.91N–.02 51.80E–.02 13–4 4.5b,3.4s 524 1-85
IDC XI 25 22 13 15.6–.60 29.99N 51.84E 0 4.3b,4.3 **¶13401116**
ISCJB XI 25 22 13 15.2–.60 29.90N–.02 51.80E–.02 10–4 4.5b,3.4s
NEIC XI 25 22 13 16.8 29.81N 51.72E 10 4.6L,4.5b
TEH XI 25 22 13 16.9 29.85N 51.73E 7 4.6L,4.5b
BJI XI 25 22 13 17.6 30.35N 51.95E 11 4.7s,4.7b
CSEM XI 25 22 13 17.3–.11 29.96N 51.83E 10 4.5b,3.5s
THR XI 25 22 13 17.7–.42 30.04N 51.85E 15–0 4.5L,3.5s
MOS XI 25 22 13 18.8–1.3 29.96N 51.88E 33 4.6b,3.5s
SGS XI 25 22 13 21.2 30.01N 51.84E 15 4.6b,3.5s
OMAN XI 25 22 13 39.1–99 28.68N 52.75E 206–1 4.6b,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=14.7km s-min=11.9km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=30.7.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=19.0.
THR Error ellipse: s-maj=5.2km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=8.2km s-min=5.1km az=102.8.
OMAN Error ellipse: s-maj=192.0km s-min=5.7km az=335.0.

ISC XI 26 07 02 27.9–.81 29.91N–.03 51.88E–.03 17–5 4.3b,3.6s 230 1-95
IDC XI 26 07 02 24.8–.79 29.95N 51.81E 0 4.2,4.2L **¶13401149**
CSEM XI 26 07 02 26.6–.21 29.91N 51.85E 10 4.5b,3.4s
TEH XI 26 07 02 26.5 29.85N 51.78E 4 4.5b,3.4s
MOS XI 26 07 02 27.9–1.6 29.91N 51.80E 33 4.5b,3.4s
NEIC XI 26 07 02 27.0 29.81N 51.78E 11 4.3,4.2b
THR XI 26 07 02 28.3–.67 30.11N 51.91E 15–0 4.2L,4.2b
OMAN XI 26 07 03 27.1–99 25.62N 54.14E 162–41 4.2L,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=17.3km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.2km az=6.0.
MOS Error ellipse: s-maj=15.9km s-min=7.8km az=118.9.
NEIC Event type se. After TEH.
THR Error ellipse: s-maj=8.3km s-min=2.8km az=-1.0.
OMAN Error ellipse: s-maj=127.3km s-min=8.5km az=338.0.

ISC XI 26 21 25 53.5–.21 28.18N–.02 53.53E–.02 10 4.2b,3.6s 333 1-93
OMAN XI 26 21 25 28.0–6.8 30.30N 52.53E 123–20 4.2b,3.6s **¶13401195**
IDC XI 26 21 25 51.2–.55 28.19N 53.61E 0 4.2,4.1
ISCJB XI 26 21 25 51.4–.21 28.16N–.02 53.53E–.02 10 4.2b,3.6s
MOS XI 26 21 25 54.4–1.1 28.23N 53.50E 33 4.4b,3.6s
BJI XI 26 21 25 54.7 28.33N 53.14E 61 5.1b,4.7b
THR XI 26 21 25 54.4–.39 28.32N 53.54E 18–12 4.3L,4.7b
NEIC XI 26 21 25 55.4 28.11N 53.45E 20 4.4,4.3L
TEH XI 26 21 25 55.8 28.14N 53.44E 23 4.4,4.3L
CSEM XI 26 21 25 57.3–.12 28.25N 53.52E 40 4.3b,4.3L
ISC Event type ke.
OMAN Error ellipse: s-maj=74.6km s-min=15.9km az=159.0.
IDC Error ellipse: s-maj=14.9km s-min=12.8km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=27.0.
MOS Error ellipse: s-maj=10.5km s-min=7.3km az=69.8.
THR Error ellipse: s-maj=11.3km s-min=3.9km az=-1.0.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=50.0.

ISC XI 26 23 28 13.6–2.2 26.81N–.05 54.69E–.06 11–18 28 2-7
ISCJB XI 26 23 28 13.9–2.4 26.79N–.06 54.59E–.06 15–19 **¶12609105**
KISR XI 26 23 28 14.5–.71 27.42N 54.31E 34–833 3.2L
TEH XI 26 23 28 14.3 26.77N 54.74E 13 3.2L
CSEM XI 26 23 28 15.6–.32 26.93N 54.80E 40 3.2L
OMAN XI 26 23 28 17.0–99 26.68N 55.03E 10–0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=8.2km az=137.1.
KISR Error ellipse: s-maj=476.8km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=20.3km s-min=4.0km az=38.0.
OMAN Error ellipse: s-maj=111.1km s-min=12.5km az=326.0.

ISC XI 27 09 06 51.0–2.5 26.8N–.20 55.5E–.20 10 18 1-8
ISCJB XI 27 09 06 48.1–2.2 27.0N–.20 55.6E–.20 10 **¶12790059**
KISR XI 27 09 06 48.5–.86 26.84N 55.39E 15–999 3.3L
CSEM XI 27 09 06 49.5–1.6 26.99N 55.84E 20 3.3L
OMAN XI 27 09 06 58.0–99 26.42N 56.05E 25–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=39.0km s-min=6.5km az=41.2.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=62.1km s-min=11.2km az=46.0.
OMAN Error ellipse: s-maj=1294.0km s-min=12.2km az=11.0.

ISC XI 28 20 16 33.3–.21 28.18N–.03 51.49E–.02 10 4.3b,3.8s 366 2-95
BJI XI 28 20 16 31.3 27.46N 51.81E 13 4.9b,4.5s **¶13401408**
IDC XI 28 20 16 31.7–.57 28.26N 51.55E 0 4.3b,4.3
THR XI 28 20 16 31.8–.26 28.23N 51.53E 15–0 4.2L,4.3
ISCJB XI 28 20 16 31.4–.21 28.18N–.03 51.50E–.02 10 4.3b,3.8s
MOS XI 28 20 16 34.7–1.4 28.14N 51.50E 33 4.6b,3.8s
NEIC XI 28 20 16 34.0 28.16N 51.51E 13 4.4b,4.2L
TEH XI 28 20 16 34.7 28.16N 51.51E 13 4.4b,4.2L
OMAN XI 28 20 16 34.8–71 28.03N 51.28E 30–0 4.4b,4.2L
CSEM XI 28 20 16 35.9–.11 28.21N 51.51E 30 4.4b,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=15.3km s-min=12.1km az=8.0.
THR Error ellipse: s-maj=7.6km s-min=1.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=19.3.
MOS Error ellipse: s-maj=8.5km s-min=6.5km az=94.9.

NEIC Event type se. After TEH.
OMAN Error ellipse: s-maj=19.3km s-min=2.5km az=324.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=28.0.
ISC XI 30 13 46 13.6–.17 26.85N–.02 55.82E–.02 10 4.5b,3.8s 467 1-121
BJI XI 30 13 46 11.8 27.00N 55.60E 17 5.0b,4.8s ¶13401561
IDC XI 30 13 46 11.0–.58 26.82N 55.87E 0 4.4,4.3
ISCJB XI 30 13 46 11.6–.17 26.86N–.02 55.79E–.02 10 4.5b,3.8s
SGS XI 30 13 46 12.1 26.92N 56.19E 17 4.5b,3.8s
CSEM XI 30 13 46 14.7–.12 26.89N 55.88E 20 4.5b,3.8s
MOS XI 30 13 46 14.6–1.0 26.89N 55.86E 33 4.7b,3.8s
THR XI 30 13 46 15.9–.39 27.00N 55.57E 18–11 4.0L,3.8s
NEIC XI 30 13 46 15.8 27.00N 55.57E 17 4.6b,4.4L
TEH XI 30 13 46 17.2 26.90N 55.58E 8 4.6b,4.4L
OMAN XI 30 13 46 19.2–99 26.72N 56.00E 30–0 4.6b,4.4L
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=11.9km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=2.3.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=76.0.
MOS Error ellipse: s-maj=8.2km s-min=5.4km az=101.6.
THR Error ellipse: s-maj=11.1km s-min=4.1km az=-1.0.
NEIC Event type se. After THR.
OMAN Error ellipse: s-maj=29.6km s-min=2.6km az=353.0.
IDC XII 01 06 31 28.8–15 27.48N 52.95E 0 4.1b,4.1
KISR XII 01 06 31 24.7–.30 28.13N 54.23E 34–0 2.5L,4.1 ¶12075390
IDC Error ellipse: s-maj=377.6km s-min=34.3km az=119.0.
KISR Error ellipse: s-maj=43.8km s-min=13.7km az=-1.0.
ISC XII 04 16 17 54.7–2.7 26.69N–.10 54.29E–.06 6–16 3.9b 22 2-60
KISR XII 04 16 17 54.9–.61 26.76N 53.84E 34–999 3.2L ¶12075754
TEH XII 04 16 17 56.3 26.92N 54.42E 14 3.2L
IDC XII 04 16 18 02.0–4.8 27.45N 52.77E 0 4.1,4.0b
KISR Error ellipse: s-maj=932.1km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=107.1km s-min=31.4km az=116.0.
ISC XII 05 22 37 47.4–.45 27.25N–.04 53.42E–.03 43–6 3.6b 123 3-87
NEIC XII 05 22 37 42.0 27.03N 53.33E 36 3.8b ¶12075933
TEH XII 05 22 37 42.1 27.03N 53.33E 36 3.8b
KISR XII 05 22 37 43.4–.49 27.78N 53.22E 34–0 3.3L
ISCJB XII 05 22 37 45.4–.51 27.27N–.04 53.40E–.03 40–6 3.6b
CSEM XII 05 22 37 47.3–.25 27.26N 53.43E 43–3 4.0L
OMAN XII 05 22 37 48.1–99 27.00N 53.77E 195–141 4.0L
IDC XII 05 22 37 49.3–7.0 27.35N 53.45E 54–60 3.6L,3.5
ISC Event type ke.
NEIC Event type se. After TEH.
KISR Error ellipse: s-maj=25.6km s-min=11.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.4km az=29.4.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.8km az=31.0.
OMAN Error ellipse: s-maj=69.4km s-min=18.4km az=15.0.
IDC Error ellipse: s-maj=46.9km s-min=19.5km az=167.0.
ISC XII 05 22 44 09.0–3.7 26.8N–.10 56.1E–.10 10–21 3.7b 23 1-89
IDC XII 05 22 44 07.7–1.4 26.86N 55.88E 0 3.9,3.8b ¶12075936
NEIC XII 05 22 44 12.0 26.93N 56.03E 7 3.1,3.8b
TEH XII 05 22 44 12.1 26.93N 56.03E 7 3.1,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=31.0km az=167.0.
NEIC Event type se. After TEH.
ISC XII 07 02 57 40.2–.60 29.21N–.06 52.67E–.04 10 3.7b 74 1-88
IDC XII 07 02 57 34.8–1.9 28.85N 52.79E 0 3.8,3.7 ¶13402125
ISCJB XII 07 02 57 37.6–.59 29.11N–.06 52.69E–.04 10 3.7b,3.7
CSEM XII 07 02 57 37.4–.68 28.93N 52.85E 10 3.7b,3.7
KISR XII 07 02 57 40.8–.51 29.04N 52.21E 34–999 3.2L,3.7
TEH XII 07 02 57 45.0 29.45N 52.79E 4 3.2L,3.7
NEIC XII 07 02 57 45.0 29.45N 52.79E 4 3.4b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=44.6km s-min=22.6km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.2km az=5.5.
CSEM Event type ke. Error ellipse: s-maj=22.3km s-min=10.6km az=156.0.
KISR Error ellipse: s-maj=330.0km s-min=999.9km az=-1.0.
NEIC Event type se. After TEH.
ISC XII 07 13 36 21.4–.10 26.91N–.02 55.90E–.01 14 5.5b,5.1s 1894 1-157
BGS XII 07 13 35 56.4–2.3 24.52N 58.19E 10–0 5.6b,5.5b ¶13402149
BJI XII 07 13 36 14.3 27.05N 55.16E 10 5.5b,5.4s
IDC XII 07 13 36 18.7–.44 26.91N 55.92E 0 5.3,5.2
ISCJB XII 07 13 36 19.3–.11 26.88N–.02 55.89E–.01 13 5.5b,5.1s
TEH XII 07 13 36 19.1 26.88N 55.91E 11 5.5b,5.1s
THR XII 07 13 36 20.8–.67 26.96N 55.77E 11–9 5.6b,5.2L
CSEM XII 07 13 36 20.9–.10 26.93N 55.92E 11 5.5b,5.4W
NEIC XII 07 13 36 21.3 26.99N 55.80E 15 5.7b,5.4W
MOS XII 07 13 36 22.0–.95 26.94N 55.85E 33 5.8b,4.9s
GCMT XII 07 13 36 23.1–.10 26.82N 55.74E 12 5.4W,4.9s
OMAN XII 07 13 36 24.2–99 26.80N 56.13E 10–0 5.4W,4.9s
DJA XII 07 13 36 28 27.10N 55.88E 58 5.5b,4.9s
SZGRF XII 07 13 36 33.4 26.71N 53.73E 33 5.5b,4.8s
ISC Event type de.
BGS Error ellipse: s-maj=999.9km s-min=756.0km az=-1.0.
IDC Error ellipse: s-maj=12.5km s-min=8.3km az=10.0.
ISCJB Event type de. Error ellipse: s-maj=2.3km s-min=1.6km az=14.1.
THR Error ellipse: s-maj=12.9km s-min=9.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=6.0.
NEIC Event type de. Five people injured and buildings damaged on Jazireh-ye Qeshm. Felt at Dubai, United Arab Emirates. After THR. Moment Tensor Solution. s50 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s356.00000°,δ19.00000°,λ45.00000°. NP2:ϕ_e223.00000°,δ76.00000°,λ104.00000°. Principal axes: T 1.5900,Plg56.0000°,Azm150.0000°; N -0.2000,Plg13.0000°,Azm39.0000° ; P -1.3900,Plg30.0000°,Azm301.0000° $M_0$1.50000×10^{17}
MOS Error ellipse: s-maj=5.2km s-min=3.0km az=120.9.
GCMT Event type se. Data Used: IU II G CN IC. Surface waves: sta= 90, comp=192, per= 50. Moment Tensor Solution. s69,c121; s27,c27; Moment tensor: Scale 10^{17}Nm; M_{rr}1.29±.02 $M_{\theta\theta}$-0.90±.02; $M_{\phi\phi}$-0.39±.02; $M_{r\theta}$-0.05±.06; $M_{\theta\phi}$-0.95±.02; $M_{\phi r}$-0.44±.06; Best double couple: NP1:ϕ_s69.00000°,δ41.00000°,λ115.00000°. NP2:ϕ_e217.00000°,δ53.00000°,λ69.00000°. Principal axes: T 1.4200,Plg73.0000°,Azm71.0000°; N 0.2400,Plg16.0000°,Azm230.0000° ; P -1.6600,Plg6.0000°,Azm322.0000° $M_0$1.50000×10^{17}
OMAN Error ellipse: s-maj=868.0km s-min=31.6km az=8.0.
SZGRF Southern Iran.
ISC XII 07 13 41 43.9–.69 26.85N–.07 55.97E–.10 10 4.0b 55 1-90
ISCJB XII 07 13 41 41.9–.69 26.82N–.07 55.95E–.10 10 4.0b ¶12076202
IDC XII 07 13 41 42.5–1.1 26.86N 55.91E 0 4.1,4.0b
CSEM XII 07 13 41 44.3–.34 26.93N 55.96E 10 3.7L,4.0b
NEIC XII 07 13 41 49.5 27.37N 55.99E 14 3.7L,4.0b
THR XII 07 13 41 49.5–.34 27.38N 55.99E 14–5 3.6L,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=9.9km az=18.0.
IDC Error ellipse: s-maj=27.2km s-min=19.1km az=20.0.
CSEM Event type ke. Error ellipse: s-maj=12.1km s-min=11.1km az=138.0.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=2.1km s-min=7.9km az=-1.0.
ISC XII 07 14 11 26.5–.42 26.93N–.03 55.90E–.04 43–5 3.8b 145 1-91
OMAN XII 07 14 11 12.6–99 27.94N 55.40E 35–999 3.8b ¶12076208
IDC XII 07 14 11 19.8–1.1 26.80N 55.87E 0 3.9,3.8L
NEIC XII 07 14 11 21.6–.74 26.84N 55.96E 10 4.0b,3.8L
TEH XII 07 14 11 21.0 26.88N 55.81E 13 4.0b,3.8L
CSEM XII 07 14 11 23.0–.19 26.96N 55.90E 10 3.9b,3.8L
MOS XII 07 14 11 23.9–1.5 26.84N 56.09E 32 4.2b,3.8L
ISCJB XII 07 14 11 24.9–.46 26.96N–.03 55.86E–.04 43–5 3.8b,3.8L
ISC Event type ke.
NEIC Event type se.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 07 14 31 25.9–1.7 26.82N–.08 55.92E–.06 2–9 3.5b 68 1-52
ISCJB XII 07 14 31 24.2–1.6 26.80N–.08 55.88E–.06 5–8 3.5b ¶12076211
IDC XII 07 14 31 24.7–2.8 26.73N 55.85E 0 3.7,3.6b
NEIC XII 07 14 31 24.7 26.88N 55.90E 1 3.4b,3.3L
CSEM XII 07 14 31 25.9–.51 26.83N 55.94E 2 3.5L,3.3L
TEH XII 07 14 31 26.7 26.93N 55.89E 19 3.5L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=7.7km az=154.0.
IDC Error ellipse: s-maj=60.6km s-min=26.1km az=157.0.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=6.8km az=159.0.
ISC XII 07 18 49 08.1–2.7 26.9N–.20 55.7E–.30 10 14 1-8
ISCJB XII 07 18 49 06.4–2.6 27.0N–.20 55.6E–.20 10 ¶12790142
KISR XII 07 18 49 07.5–.39 26.48N 54.99E 34–999 2.9L
CSEM XII 07 18 49 09.0–2.0 27.04N 55.93E 40 2.9L
OMAN XII 07 18 49 11.7–99 26.69N 55.99E 10–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=45.7km s-min=7.1km az=42.9.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=79.8km s-min=14.2km az=48.0.
OMAN Error ellipse: s-maj=101.4km s-min=12.6km az=25.0.
ISC XII 08 01 50 34.1–1.4 26.95N–.04 55.92E–.07 16–11 3.7b 46 1-44
TEH XII 08 01 50 31.5 26.90N 55.93E 24 3.7b ¶12609140
CSEM XII 08 01 50 32.7–.13 26.97N 55.88E 2 3.5L
KISR XII 08 01 50 34.8–.70 27.28N 55.28E 34–999 3.7L
OMAN XII 08 01 50 36.6–99 26.77N 56.04E 10–0 3.7L
IDC XII 08 01 50 48.0–17 29.19N 56.08E 0 3.7,3.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=76.0.
KISR Error ellipse: s-maj=754.4km s-min=999.9km az=-1.0.
OMAN Error ellipse: s-maj=83.8km s-min=13.7km az=31.0.
IDC Error ellipse: s-maj=333.0km s-min=36.5km az=174.0.
ISC XII 08 06 44 09.7–.41 26.96N–.02 55.95E–.06 10 3.5b 52 0-52
OMAN XII 08 06 44 00.7–.18 27.58N 55.94E 10–0 3.5b ¶12076309
IDC XII 08 06 44 04.0–2.8 26.44N 56.19E 0 3.6,3.6
ISCJB XII 08 06 44 08.2–.39 26.97N–.02 55.85E–.05 10 3.5b,3.6
CSEM XII 08 06 44 08.7–.17 26.95N 55.89E 2 3.6L,3.6
TEH XII 08 06 44 08.1 26.90N 55.79E 20 3.6L,3.6
ISC Event type ke.
OMAN Error ellipse: s-maj=18.1km s-min=5.8km az=277.0.
IDC Error ellipse: s-maj=60.9km s-min=26.6km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.4km az=178.7.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=82.0.
ISC XII 08 14 41 47.6–.52 26.85N–.01 55.86E–.01 33–3 5.3b,4.6s 1309 1-134
BGS XII 08 14 41 18.1–2.5 23.45N 57.32E 10–0 5.2b,4.6s ¶14882682
IDC XII 08 14 41 42.9–.35 26.92N 56.01E 0 5.2b,5.2
TEH XII 08 14 41 43.3 26.95N 55.83E 6 5.2b,5.2
ISCJB XII 08 14 41 43.9–.47 26.86N–.02 55.85E–.01 20–3 5.3b,4.6s
NEIC XII 08 14 41 43.3 26.92N 55.85E 6 5.5b,5.3L
BJI XII 08 14 41 43.7 27.11N 55.27E 39 5.4b,5.2b
CSEM XII 08 14 41 44.2–.10 26.87N 55.86E 9 5.3b,5.2W
THR XII 08 14 41 44.1–.57 27.00N 55.81E 2–0 5.3b,4.9L
OMAN XII 08 14 41 45.4–1.9 26.90N 55.74E 12–0 5.3b,4.9L
MOS XII 08 14 41 47.9–.88 26.97N 55.83E 49 5.5b,4.4s
DJA XII 08 14 41 52 26.81N 56.06E 60 5.4b,4.4s
SZGRF XII 08 14 42 05.4 27.33N 52.89E 33 4.4b,4.4s
ISC Event type fe.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=9.6km s-min=6.7km az=3.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.1km az=21.5.
NEIC Event type fe. Felt at Dubai, United Arab Emirates. After THR.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=12.0.
THR Error ellipse: s-maj=7.3km s-min=5.1km az=-1.0.
OMAN Error ellipse: s-maj=28.8km s-min=5.3km az=44.0.
MOS Error ellipse: s-maj=5.4km s-min=3.2km az=121.7.
SZGRF Southern Iran.
ISC XII 09 15 09 24.9–.13 26.82N–.01 55.83E–.02 10 4.9b,4.3s 946 1-127
BJI XII 09 15 09 18.7 26.90N 55.02E 14 5.1b,4.8s ¶13402334
SGS XII 09 15 09 22.4 26.96N 56.29E 12 5.1b,4.8s
NEIC XII 09 15 09 23.9 26.80N 55.68E 14 5.2b,5.0L
ISCJB XII 09 15 09 23.1–.14 26.81N–.02 55.80E–.02 10 4.9b,4.3s
IDC XII 09 15 09 23.2–.50 26.88N 55.92E 0 4.7,4.7
TEH XII 09 15 09 24.5 26.75N 55.70E 27 4.7,4.7
CSEM XII 09 15 09 26.2–.10 26.94N 55.86E 15 5.0b,5.0W
THR XII 09 15 09 27.4–.79 27.08N 55.80E 15–0 5.0L,5.0W
GCMT XII 09 15 09 27.4–.30 26.75N 55.80E 14–0 5.0W,5.0W
MOS XII 09 15 09 29.0–.83 26.99N 55.84E 52 5.3b,4.2s
OMAN XII 09 15 09 30.7–9.6 26.83N 55.98E 46–1 5.3b,4.2s
SZGRF XII 09 15 09 48.6 27.72N 52.85E 33 4.7b,3.9s
DJA XII 09 15 09 49 27.23N 56.72E 164 4.8b,3.9s
ISC Event type fe.
NEIC Event type fe. Felt at Dubai, United Arab Emirates. After THR.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.2km az=30.2.
IDC Error ellipse: s-maj=13.6km s-min=10.7km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=28.0.
THR Error ellipse: s-maj=6.6km s-min=6.6km az=-1.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s31,c39; s74,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}3.69±.20 $M_{\theta\theta}$-3.55±.14; $M_{\phi\phi}$-0.14±.14; $M_{r\theta}$1.98±.30; $M_{\theta\phi}$-1.28±.10; $M_{\phi r}$-0.06±.36; Best double couple: NP1:ϕ_s241.00000°,δ33.00000°,λ73.00000°. NP2:ϕ_s81.00000°,δ59.00000°,λ101.00000°. Principal axes: T 4.2300,Plg74.0000° ,Azm19.0000°; N 0.1800,Plg9.0000°,Azm256.0000°; P -4.4100,Plg13.0000°,Azm164.0000° $M_0$4.30000×10^{16}
MOS Error ellipse: s-maj=5.8km s-min=3.4km az=122.2.
OMAN Error ellipse: s-maj=4.1km s-min=2.5km az=333.0.
SZGRF Southern Iran.
ISC XII 10 10 30 26.3–.63 27.71N–.05 53.74E–.04 10 3.5b 29 2-90
ISCJB XII 10 10 30 24.5–.58 27.71N–.05 53.69E–.04 10 3.5b ¶12076717
KISR XII 10 10 30 25.4–.45 27.82N 53.52E 8–999 2.8L
TEH XII 10 10 30 28.6 27.93N 53.83E 26 2.8L
IDC XII 10 10 30 32.6–9.2 27.97N 53.63E 51–76 3.5,3.4b
ISCJB Error ellipse: s-maj=7.1km s-min=4.6km az=12.1.
KISR Error ellipse: s-maj=290.6km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=52.2km s-min=21.2km az=167.0.
ISC XII 11 05 05 32.8–1.0 27.01N–.06 55.85E–.06 10 3.6b 36 1-52
ISCJB XII 11 05 05 30.7–1.1 27.00N–.08 55.80E–.05 10 3.6b ¶12076845
TEH XII 11 05 05 30.1 26.91N 55.86E 20 3.6b
CSEM XII 11 05 05 31.6–.89 26.92N 55.87E 10 3.5L
KISR XII 11 05 05 32.6–.42 26.57N 54.94E 34–0 3.5L
IDC XII 11 05 05 38.6–2.7 26.55N 54.77E 0 3.7b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=6.6km az=165.7.
CSEM Event type ke. Error ellipse: s-maj=20.8km s-min=8.4km az=161.0.
KISR Error ellipse: s-maj=19.6km s-min=12.0km az=-1.0.
IDC Error ellipse: s-maj=70.3km s-min=30.7km az=157.0.
ISC XII 11 05 42 13.8–.92 27.01N–.04 55.82E–.06 16–7 3.9b,3.9s 83 0-87
THR XII 11 05 42 07.3–.69 26.84N 55.82E 6–5 4.1L,3.9s ¶12076848
NEIC XII 11 05 42 07.6 26.85N 55.82E 7 3.9b,3.9L
ISCJB XII 11 05 42 11.9–.86 27.04N–.04 55.72E–.06 10–8 3.9b,3.9s
TEH XII 11 05 42 12.5 26.94N 55.63E 26 3.9b,3.9s
IDC XII 11 05 42 12.4–2.7 27.34N 55.95E 0 4.0,3.9b
CSEM XII 11 05 42 14.3–.69 27.09N 55.71E 10 3.9b,3.9b
ISC Event type ke.
THR Error ellipse: s-maj=8.1km s-min=9.2km az=-1.0.
NEIC Event type se. After THR.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.5km az=22.8.
IDC Error ellipse: s-maj=58.9km s-min=28.2km az=154.0.
CSEM Event type ke. Error ellipse: s-maj=17.7km s-min=9.3km az=154.0.
ISC XII 14 07 29 48.5–.23 29.12N–.02 56.71E–.03 10 4.1b,3.6s 209 1-91
BJI XII 14 07 29 45.3 28.87N 56.78E 3 4.2b,3.6s ¶12077414
ISCJB XII 14 07 29 46.6–.23 29.14N–.02 56.72E–.03 10 4.1b,3.6s
THR XII 14 07 29 46.7–.91 29.15N 56.65E 6–8 4.6L,3.6s
NEIC XII 14 07 29 47.8 29.19N 56.69E 14 4.7,4.6L
CSEM XII 14 07 29 49.3–.21 29.13N 56.60E 10 4.6L,4.6L
IDC XII 14 07 29 50.2–3.4 28.95N 56.66E 38–27 4.0L,3.9
TEH XII 14 07 29 51.7 29.13N 56.62E 21 4.0L,3.9
OMAN XII 14 07 30 10.0–99 27.81N 56.70E 44–999 4.0L,3.9

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=1.0.
THR Error ellipse: s-maj=3.3km s-min=10.8km az=-1.0.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=103.0.
IDC Error ellipse: s-maj=20.6km s-min=13.3km az=154.0.
OMAN Error ellipse: s-maj=366.8km s-min=25.1km az=8.0.

ISC	**XII**	**15 18 37 21.7–1.2**	**26.82N–.03**	**55.81E–.09**	**4–13**		**39**	**1-8**
SGS	XII	15 18 37 21.4	26.82N	55.97E	10			**¶12609153**
ISCJB	XII	15 18 37 21.2–1.1	26.87N–.03	55.78E–.06	13–10			
CSEM	XII	15 18 37 21.5–.22	26.83N	55.81E	2	3.1L		
TEH	XII	15 18 37 21.4	26.87N	55.93E	26	3.1L		
OMAN	XII	15 18 37 21.9–.06	26.87N	56.05E	6–61	3.1L		
KISR	XII	15 18 37 23.3–.72	27.53N	55.38E	34–999	3.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.5km az=168.8.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.0km az=85.0.
OMAN Error ellipse: s-maj=39.5km s-min=14.1km az=254.0.
KISR Error ellipse: s-maj=710.4km s-min=999.9km az=-1.0.

ISC	**XII**	**16 12 07 50.1–3.9**	**28.3N–.10**	**53.0E–.10**	**9–19**	**3.6b**	**40**	**1-89**
IDC	XII	16 12 07 49.0–2.2	28.34N	52.98E	0	3.9,3.8b		**¶12077752**
NEIC	XII	16 12 07 51.0	28.29N	52.90E	10	3.3b,3.1		
TEH	XII	16 12 07 51.0	28.29N	52.90E	10	3.3b,3.1		

ISC Event type se.
IDC Error ellipse: s-maj=49.8km s-min=23.3km az=161.0.
NEIC Event type se. After TEH.

ISC	**XII**	**18 19 21 24.5–.41**	**28.24N–.05**	**52.40E–.05**	**10**	**3.6b**	**83**	**3-94**
NEIC	XII	18 19 21 20.9	28.13N	52.20E	15	3.6L,3.5b		**¶12078080**
THR	XII	18 19 21 20.8–.32	28.13N	52.20E	15–0	3.6L,3.5b		
ISCJB	XII	18 19 21 22.7–.41	28.27N–.05	52.40E–.05	10	3.6b,3.5b		
IDC	XII	18 19 21 22.2–1.4	28.15N	52.42E	0	3.9,3.8		
CSEM	XII	18 19 21 25.8–.20	28.25N	52.41E	20	3.6L,3.8		
SGS	XII	18 19 21 27.0	28.26N	52.40E	18	3.6L,3.8		

ISC Event type ke.
NEIC Event type se. After THR.
THR Error ellipse: s-maj=5.2km s-min=1.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.8km az=152.5.
IDC Error ellipse: s-maj=30.3km s-min=20.4km az=165.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=164.0.

ISC	**XII**	**21 16 28 34.7–.18**	**28.18N–.02**	**52.38E–.02**	**10**	**4.3b,3.7s**	**463**	**1-92**
SGS	XII	21 16 28 23.6	28.92N	53.19E	7	4.3b,3.7s		**¶13403591**
ISCJB	XII	21 16 28 32.9–.18	28.18N–.02	52.39E–.02	10	4.3b,3.7s		
IDC	XII	21 16 28 32.3–.68	28.08N	52.41E	0	4.2,4.1		
THR	XII	21 16 28 32.4–.56	28.14N	52.31E	14–13	4.2L,4.1		
CSEM	XII	21 16 28 34.5–.12	28.21N	52.39E	10	4.4b,3.5s		
BJI	XII	21 16 28 34.1	28.00N	52.08E	32	4.9b,4.6s		
MOS	XII	21 16 28 35.8–1.4	28.14N	52.39E	33	4.5b,4.6s		
NEIC	XII	21 16 28 37.7–2.0	28.24N	52.38E	33–14	4.5b,4.2L		
OMAN	XII	21 16 28 37.9–99	28.26N	52.49E	35–0	4.5b,4.2L		
TEH	XII	21 16 28 38.6	28.26N	52.30E	34	4.5b,4.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=20.3.
IDC Error ellipse: s-maj=17.2km s-min=12.9km az=171.0.
THR Error ellipse: s-maj=7.8km s-min=6.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=27.0.
MOS Error ellipse: s-maj=7.3km s-min=4.8km az=116.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.8km az=180.0.
OMAN Error ellipse: s-maj=394.0km s-min=30.5km az=314.0.

ISC	**XII**	**21 20 39 35.9–1.2**	**28.20N–.04**	**52.40E–.04**	**18–8**	**3.9b**	**130**	**1-89**
THR	XII	21 20 39 29.4–1.2	27.87N	52.20E	15–0	3.9L		**¶13403604**
NEIC	XII	21 20 39 31.1	27.97N	52.32E	23	4.0b,3.9L		
TEH	XII	21 20 39 31.9	28.19N	52.33E	10	4.0b,3.9L		
IDC	XII	21 20 39 33.1–1.6	28.18N	52.40E	0	3.9,3.9L		
CSEM	XII	21 20 39 35.9–.20	28.21N	52.42E	20	4.2b,3.9L		
OMAN	XII	21 20 40 18.8–10	26.04N	55.17E	8–0	4.2b,3.9L		

ISC Event type ke.
THR Error ellipse: s-maj=19.2km s-min=5.3km az=-1.0.
NEIC Event type se. After THR.
IDC Error ellipse: s-maj=35.0km s-min=17.2km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.3km az=18.0.
OMAN Error ellipse: s-maj=7.5km s-min=1.8km az=311.0.

ISC	**XII**	**22 15 08 09.2–.18**	**28.18N–.02**	**57.21E–.02**	**10**	**4.5b,3.9s**	**547**	**1-120**
OMAN	XII	22 15 07 06.0–99	33.15N	57.72E	40–0	4.5b,3.9s		**¶11517532**
BJI	XII	22 15 08 05.5	28.16N	56.43E	40	5.1b,4.7s		
IDC	XII	22 15 08 06.9–.69	28.14N	57.25E	0	4.4,4.3		
ISCJB	XII	22 15 08 07.3–.18	28.15N–.02	57.17E–.02	10	4.6b,3.9s		
MOS	XII	22 15 08 10.2–.79	28.17N	57.16E	33	4.9b,3.9s		
SGS	XII	22 15 08 10.3	28.18N	57.26E	10	4.9b,3.9s		
THR	XII	22 15 08 12.1–.37	28.32N	57.14E	14–4	4.4L,3.9s		
NEIC	XII	22 15 08 13.2	28.21N	57.14E	40	4.8b,4.5L		
TEH	XII	22 15 08 14.0	28.18N	57.15E	13	4.8b,4.5L		
CSEM	XII	22 15 08 14.1–.13	28.10N	57.17E	57–1	4.6b,3.8s		

ISC Event type ke.
OMAN Error ellipse: s-maj=64.0km s-min=9.5km az=6.0.
IDC Error ellipse: s-maj=19.0km s-min=12.4km az=8.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=20.0.
MOS Error ellipse: s-maj=7.0km s-min=4.5km az=121.7.
THR Error ellipse: s-maj=2.5km s-min=6.0km az=-1.0.
NEIC Event type se. After THR.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=139.0.

ISC	**XII**	**25 08 11 24.8–.51**	**28.19N–.05**	**52.29E–.06**	**10**	**3.7b**	**77**	**1-89**
IDC	XII	25 08 11 21.1–2.1	27.93N	52.53E	0	3.9,3.8L		**¶12078899**
ISCJB	XII	25 08 11 22.9–.53	28.15N–.05	52.33E–.07	10	3.7b,3.8L		
SGS	XII	25 08 11 23.5	28.54N	52.55E	28	3.7b,3.8L		
NEIC	XII	25 08 11 27.0	28.21N	52.25E	31	3.6,3.5b		
CSEM	XII	25 08 11 27.3–.41	28.23N	52.36E	30	3.6L,3.5b		
TEH	XII	25 08 11 27.1	28.21N	52.25E	31	3.6L,3.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=45.2km s-min=23.2km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=4.3km az=34.3.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=14.0km s-min=7.2km az=140.0.

ISC	**XII**	**27 20 28 55.4–.72**	**26.70N–.04**	**55.94E–.04**	**19–5**	**3.8b**	**134**	**1-91**
OMAN	XII	27 20 28 50.7–99	27.44N	55.43E	98–999	3.8b		**¶12079210**
IDC	XII	27 20 28 52.3–1.7	26.74N	55.90E	0	3.8b,3.8		
NEIC	XII	27 20 28 55.4	26.86N	55.89E	22	3.8b,3.6		
TEH	XII	27 20 28 55.4	26.86N	55.89E	22	3.8b,3.6		
SGS	XII	27 20 28 58.4	26.45N	55.97E	17	3.8b,3.6		
CSEM	XII	27 20 28 58.3–.24	26.89N	55.89E	30	3.8b,3.6		
THR	XII	27 20 29 02.9–.48	27.43N	55.94E	14–8	3.5L,3.6		

ISC Event type ke.
OMAN Error ellipse: s-maj=2621.0km s-min=59.0km az=338.0.
IDC Error ellipse: s-maj=39.9km s-min=20.8km az=163.0.
NEIC Event type se. After TEH.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=6.5km az=128.0.
THR Error ellipse: s-maj=2.7km s-min=10.9km az=-1.0.

ISC	**XII**	**27 22 58 44.6–.47**	**26.81N–.04**	**55.78E–.04**	**10**		**40**	**1-11**
TEH	XII	27 22 58 42.8	26.90N	55.77E	6			**¶12609169**
ISCJB	XII	27 22 58 43.3–.49	26.86N–.04	55.72E–.04	10			
CSEM	XII	27 22 58 44.0–.29	26.83N	55.77E	2	3.1L		
SGS	XII	27 22 58 47.0	27.17N	55.64E	29	3.1L		
KISR	XII	27 22 58 47.1–.85	26.66N	54.93E	34–999	3.3L		
OMAN	XII	27 22 58 48.8–99	26.59N	56.00E	10–0	3.3L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.4km az=140.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=7.4km az=107.0.
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
OMAN Error ellipse: s-maj=120.0km s-min=11.8km az=22.0.

ISC	**XII**	**29 21 51 34.0–1.1**	**28.34N–.08**	**52.33E–.06**	**10**	**3.8b**	**19**	**4-49**
IDC	XII	29 21 51 30.4–2.9	28.26N	52.30E	0	3.8b,3.7		**¶12079455**
KISR	XII	29 21 51 30.7–.35	28.31N	52.12E	34–227	3.0L,3.7		
TEH	XII	29 21 51 30.9	28.15N	51.96E	5	3.0L,3.7		
ISCJB	XII	29 21 51 32.6–1.1	28.37N–.08	52.30E–.06	10	3.8b,3.7		

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ISC	**VII**	**09 20 28 57.9–2.9**	**25.5N–.30**	**63.0E–.10**	**35**	**3.8b**	**32**	**13-50**
IDC	VII	09 20 28 47.6–5.9	24.87N	62.71E	0	3.8,3.8		**¶11811114**
CSEM	VII	09 20 28 55.9	25.29N	62.85E	35	4.1b,3.8		
NEIC	VII	09 20 28 55.9–3.6	25.29N	62.85E	35	4.1b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=109.4km s-min=28.5km az=179.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
NEIC Event type se. Error ellipse: s-maj=64.2km s-min=17.0km az=175.0.

ISC	**VIII**	**11 05 19 05.7–.60**	**28.1N–.20**	**62.8E–.10**	**35**	**3.5b**	**17**	**6-59**
IDC	VIII	11 05 18 59.8–4.2	28.07N	62.81E	0	3.4b,3.4		**¶12581019**
ISCJB	VIII	11 05 19 02.8–.62	28.0N–.20	62.9E–.10	33	3.5b,3.4		
OMAN	VIII	11 05 20 16.4–99	24.96N	56.98E	28–66	3.5b,3.4		
CSEM	VIII	11 05 20 16.4	24.96N	56.98E	28	3.5b,3.4		

ISC Event type ke.
IDC Error ellipse: s-maj=120.1km s-min=33.5km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=27.9km s-min=6.7km az=144.5.
OMAN Error ellipse: s-maj=196.7km s-min=17.0km az=249.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OMAN.

ISC	**IX**	**13 08 49 17.7–.88**	**26.1N–.10**	**62.5E–.10**	**35**	**4.0b**	**39**	**5-49**
OMAN	IX	13 08 48 53.5–99	26.49N	64.19E	0–999	4.0b		**¶13394255**
ISCJB	IX	13 08 49 15.5–.88	26.1N–.10	62.5E–.10	33	4.0b		
IDC	IX	13 08 49 15.8–8.0	26.50N	62.19E	0	4.1,4.0b		
CSEM	IX	13 08 49 15.4–.66	26.25N	62.38E	10	3.9b,4.0b		
NEIC	IX	13 08 49 21.1–2.9	26.51N	62.20E	35	3.9b,4.0b		

ISC Event type ke.
OMAN Error ellipse: s-maj=558.6km s-min=31.8km az=245.0.
ISCJB Event type ke. Error ellipse: s-maj=22.2km s-min=6.0km az=40.1.
IDC Error ellipse: s-maj=148.1km s-min=32.7km az=166.0.
CSEM Event type ke. Error ellipse: s-maj=33.9km s-min=9.9km az=131.0.
NEIC Event type se. Error ellipse: s-maj=53.2km s-min=16.0km az=164.0.

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ISC	**X**	**16 10 26 34.9–.76**	**24.96N–.09**	**61.41E–.09**	**10**	**4.0b,3.4s**	**46**	**3-57**
OMAN	X	16 10 26 06.0–99	25.28N	63.86E	10–0	4.0b,3.4s		**¶12068760**
ISCJB	X	16 10 26 32.9–.76	24.99N–.09	61.42E–.09	10	4.0b,3.4s		
IDC	X	16 10 26 32.6–3.3	24.89N	61.53E	0	4.2,4.1		
NEIC	X	16 10 26 33.6–2.4	24.79N	61.54E	10	3.9b,4.1		
CSEM	X	16 10 26 34.6–.58	24.91N	61.52E	10	3.9b,4.1		

ISC Event type ke.
OMAN Error ellipse: s-maj=299.5km s-min=24.4km az=258.0.
ISCJB Event type ke. Error ellipse: s-maj=16.2km s-min=6.2km az=139.6.
IDC Error ellipse: s-maj=79.0km s-min=28.7km az=148.0.
NEIC Event type se. Error ellipse: s-maj=53.2km s-min=16.5km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=29.9km s-min=8.0km az=141.0.

ISC	**XI**	**15 16 15 04.0–.51**	**24.30N–.07**	**65.38E–.05**	**10**	**3.8b,2.9s**	**45**	**6-82**
ISCJB	XI	15 16 15 02.1–.53	24.26N–.08	65.37E–.05	10	3.8b,2.9s		**¶12073642**
IDC	XI	15 16 15 03.0–1.0	24.27N	65.48E	0	4.0,3.9		
NEIC	XI	15 16 15 04.8–.76	24.38N	65.52E	10	3.9b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=6.2km az=162.8.
IDC Error ellipse: s-maj=24.5km s-min=21.2km az=35.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=13.7km az=181.0.

ISC	**XII**	**25 22 40 23.2–.12**	**23.35N–.02**	**64.54E–.01**	**10**	**5.6s,5.5b**	**1519**	**5-173**
BGS	XII	25 22 40 17.9–1.8	23.29N	65.48E	10–0	5.9b,5.6s		**¶13404013**
BJI	XII	25 22 40 18.1	23.32N	64.03E	11	6.0s,5.8b		
IDC	XII	25 22 40 21.2–.40	23.34N	64.58E	0	5.5s,5.5		
ISCJB	XII	25 22 40 21.3–.13	23.35N–.02	64.55E–.01	10	5.6s,5.5b		
CSEM	XII	25 22 40 21.9–.13	23.38N	64.56E	2	5.8W,5.6b		
OMAN	XII	25 22 40 22.0–2.0	23.20N	64.50E	10–0	5.8W,5.6b		
NEIC	XII	25 22 40 23.6–.21	23.42N	64.50E	13	5.8b,5.8W		
SFS	XII	25 22 40 23.0	23.39N	64.50E	10	6.0L,5.8W		
VIE	XII	25 22 40 23.0	23.36N	64.49E	10	5.9b,5.8W		
DJA	XII	25 22 40 24	23.40N	64.55E	10	5.6b,5.8W		
MOS	XII	25 22 40 25.9–1.6	23.42N	64.55E	42	5.9b,5.5s		
GCMT	XII	25 22 40 26.5–.10	23.22N	64.36E	12	5.8W,5.5s		
SZGRF	XII	25 22 40 44.8	25.76N	62.65E	33	5.8b,5.1s		

ISC Event type ke.
BGS Error ellipse: s-maj=899.8km s-min=626.5km az=-1.0.
IDC Error ellipse: s-maj=12.0km s-min=9.4km az=7.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=1.8km az=7.8.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.8km az=4.0.
OMAN Error ellipse: s-maj=3.3km s-min=1.5km az=337.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.5km az=190.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s72 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.94 $M_{\theta\theta}$3.95 $M_{\phi\phi}$-1.01 $M_{r\theta}$-4.73 $M_{\theta\phi}$3.23 $M_{\phi r}$1.97 Best double couple: NP1:ϕ_s99.00000°,δ75.00000°,λ-55.00000°. NP2: ϕ_s210.00000°,δ38.00000°,λ-154.00000°. Principal axes: T 6.9100,Plg21.0000° ,Azm163.0000°; N 0.2100,Plg33.0000°,Azm268.0000°; P -7.1300,Plg48.0000°,Azm46.0000° $M_0$7.00000×10^{17}
SFS Event type ke.
VIE 309 km WSW of Karachi .
MOS Error ellipse: s-maj=5.3km s-min=3.0km az=123.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=104, comp=226, per= 50. Moment Tensor Solution. s105,c212; s63,c78; Moment tensor: Scale 10^{17}Nm; M_{rr}-4.15±.06 $M_{\theta\theta}$5.99±.06; $M_{\phi\phi}$-1.85±.07; $M_{r\theta}$-2.76±.15; $M_{\theta\phi}$3.59±.05; $M_{\phi r}$2.36±.16; Best double couple: NP1:ϕ_s215.00000°,δ50.00000°,λ-146.00000°. NP2:ϕ_s101.00000°,δ65.00000°,λ-46.00000°. Principal axes: T 7.6600,Plg9.0000°,Azm161.0000°; N -0.6200,Plg39.0000°,Azm259.0000° ; P -7.0500,Plg50.0000°,Azm61.0000° $M_0$7.40000×10^{17}
SZGRF Southwestern Pakistan.

ISC	**XII**	**26 00 30 38.0–.34**	**23.29N–.05**	**64.41E–.03**	**10**	**4.2b**	**122**	**6-126**
ISCJB	XII	26 00 30 36.2–.36	23.32N–.06	64.40E–.03	10	4.2b		**¶11527816**
IDC	XII	26 00 30 36.1–.65	23.20N	64.40E	0	4.1,4.1		
NEIC	XII	26 00 30 37.9–.43	23.23N	64.42E	10	4.6b,4.1		
OMAN	XII	26 00 30 54.4–99	23.63N	63.06E	10–0	4.6b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.0km az=176.4.
IDC Error ellipse: s-maj=17.1km s-min=14.2km az=13.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.4km az=174.0.
OMAN Error ellipse: s-maj=57.4km s-min=7.6km az=262.0.

ISC	**XII**	**26 03 08 14.0–.51**	**23.21N–.07**	**64.51E–.05**	**10**	**3.8b**	**57**	**5-82**
ISCJB	XII	26 03 08 11.7–.52	23.21N–.07	64.52E–.05	10	3.8b		**¶12078989**
IDC	XII	26 03 08 12.4–.83	23.22N	64.42E	0	3.8b,3.8		
NEIC	XII	26 03 08 14.0–.55	23.20N	64.44E	10	4.1b,3.8		
OMAN	XII	26 03 08 41.1–99	23.03N	62.31E	10–0	4.1b,3.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=5.1km az=161.3.
IDC Error ellipse: s-maj=21.0km s-min=18.5km az=60.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.3km az=132.0.
OMAN Error ellipse: s-maj=52.7km s-min=7.7km az=252.0.

ISC	**XII**	**29 18 58 32.1–.22**	**23.40N–.03**	**64.44E–.02**	**10**	**4.6b,3.9s**	**532**	**5-126**
BJI	XII	29 18 58 26.9	23.35N	64.18E	2	5.0b,4.7b		**¶13404347**
ISCJB	XII	29 18 58 29.8–.23	23.31N–.04	64.44E–.02	10	4.6b,3.9s		
IDC	XII	29 18 58 30.7–.55	23.39N	64.56E	0	4.4,4.4		
CSEM	XII	29 18 58 31.6–.20	23.47N	64.40E	2	4.8b,3.7s		
TEH	XII	29 18 58 32.7	23.83N	64.39E	1	4.8b,3.7s		
NEIC	XII	29 18 58 32.4–.29	23.45N	64.43E	10	4.9b,3.7s		
MOS	XII	29 18 58 33.6–1.0	23.40N	64.46E	33	4.9b,3.7s		
OMAN	XII	29 18 58 34.8–.06	23.53N	64.27E	24–0	4.9b,3.7s		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=4.2.
IDC Error ellipse: s-maj=14.7km s-min=11.8km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=4.2km az=170.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.9km az=182.0.
MOS Error ellipse: s-maj=7.0km s-min=4.2km az=115.3.
OMAN Error ellipse: s-maj=3.0km s-min=1.6km az=336.0.

SEISMIC REGION 30.
Middle East-Crimea-Eastern Balkans.

(357) Ukraine - Moldova - Southwestern Russia region.

ISC VII 04 16 40 22.9–.75 45.27N–.02 31.11E–.03 7–5 3.4b 172 2-39
IDC VII 04 16 40 23.5–1.4 45.35N 31.00E 0 3.6,3.5b ¶11810626
NEIC VII 04 16 40 23.9–.40 45.33N 31.14E 10 3.8L,3.6L
CSEM VII 04 16 40 24.4–.19 45.31N 31.17E 20 3.4b,3.6L
MOS VII 04 16 40 24.9–1.5 45.41N 31.14E 62 3.9b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=17.4km s-min=13.9km az=144.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.2km az=208.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=9.0.
MOS Error ellipse: s-maj=8.3km s-min=7.3km az=120.4.
BUC IX 01 21 11 22.8–26 45.65N 29.36E 147–0 3.5
¶13844927
BUC Event type se. Error ellipse: s-maj=503.2km s-min=249.1km az=30.0.
ISC IX 22 05 47 25.6–.33 45.15N–.03 37.69E–.03 10 3.7b 120 0-28
ISCJB IX 22 05 47 23.4–.39 45.20N–.04 37.71E–.03 10 3.7b ¶11517563
MOS IX 22 05 47 25.4–1.2 45.29N 37.66E 22 4.0b
CSEM IX 22 05 47 28.0–.21 45.14N 37.72E 60 4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.2km az=14.0.
MOS Error ellipse: s-maj=10.7km s-min=7.6km az=6.4.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=23.0.
IDC X 11 17 16 42.5–3.9 48.43N 33.56E 0 4.1,4.1
¶12066597
IDC Error ellipse: s-maj=45.8km s-min=24.4km az=9.0.
BUC X 16 10 45 15.7–1.5 45.03N 28.99E 5–0 2.5
¶13921170
BUC Event type se. Error ellipse: s-maj=12.9km s-min=4.4km az=84.0.

(358) Romania.

BUC VII 01 10 57 25.0–1.8 46.13N 21.68E 10–0 2.6
¶13596308
BUC Event type se. Error ellipse: s-maj=26.8km s-min=6.4km az=111.0.
ISC VII 03 00 55 12.3–.52 45.57N–.03 26.39E–.04 153–4 172 0-6
ISCJB VII 03 00 55 11.8–.51 45.58N–.03 26.37E–.05 152–5 ¶12951009
BUC VII 03 00 55 11.5–.81 45.59N 26.33E 160–7 4.5
CSEM VII 03 00 55 11.9–.23 45.57N 26.36E 153–2 4.5
NEIC VII 03 00 55 12.4 45.58N 26.38E 150 3.3
SOF VII 03 00 55 17.7 45.11N 26.45E 11 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=171.6.
BUC Event type se. Error ellipse: s-maj=6.0km s-min=5.2km az=103.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=82.0.
NEIC Event type se. After BUC.
ISC VII 03 13 44 06.0–.58 45.63N–.03 26.55E–.04 146–4 149 0-5
ISCJB VII 03 13 44 05.4–.57 45.63N–.03 26.54E–.04 145–5 ¶12950980
CSEM VII 03 13 44 05.5–.27 45.62N 26.52E 147–2 4.3
BUC VII 03 13 44 05.3–1.3 45.68N 26.51E 151–11 4.3
NEIC VII 03 13 44 06.7 45.63N 26.55E 138 3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.9km az=155.7.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.4km az=77.0.
BUC Event type se. Error ellipse: s-maj=9.0km s-min=7.7km az=336.0.
NEIC Event type se. After BUC.
ISC VII 04 23 19 27.0–.19 45.62N–.02 26.52E–.03 145–2 3.8b 298 0-65
ISCJB VII 04 23 19 26.0–.19 45.62N–.02 26.52E–.03 148–2 3.8b ¶11810651
CSEM VII 04 23 19 26.8–.09 45.65N 26.47E 146 3.9b
BUC VII 04 23 19 26.7–.85 45.63N 26.53E 151–9 4.8
NEIC VII 04 23 19 26.8 45.65N 26.54E 147 4.0b
IDC VII 04 23 19 27.3–.45 45.84N 26.24E 144–3 3.6b,3.5
SOF VII 04 23 19 27.4 45.67N 26.41E 28 3.3,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=167.7.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=130.0.
BUC Event type se. Error ellipse: s-maj=6.5km s-min=5.5km az=42.0.
NEIC Event type se. After BUC.
IDC Error ellipse: s-maj=21.2km s-min=10.2km az=127.0.
ISC VII 10 16 13 39.4–.54 45.11N–.02 23.10E–.03 14–3 129 0-5
ISCJB VII 10 16 13 38.8–.55 45.10N–.02 23.06E–.03 14–3 ¶11746957
BUC VII 10 16 13 39.8–1.3 45.21N 23.15E 12–6 2.7
BEO VII 10 16 13 39.0–.67 45.10N 23.18E 17–3 3.1L
CSEM VII 10 16 13 39.2–.13 45.10N 23.11E 12 3.4L
NEIC VII 10 16 13 40.5 45.18N 23.08E 11 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=26.3.
BUC Event type se. Error ellipse: s-maj=10.7km s-min=5.1km az=351.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=120.0.
NEIC Event type se. After BUC.
ISC VII 15 17 41 13.2–.53 45.46N–.03 26.21E–.04 143–5 169 0-5
ISCJB VII 15 17 41 12.6–.52 45.46N–.03 26.19E–.04 141–5 ¶11747026
BUC VII 15 17 41 13.2–.72 45.44N 26.22E 144–7 4.5
NEIC VII 15 17 41 13.8 45.46N 26.24E 136 3.6
CSEM VII 15 17 41 13.2–.28 45.44N 26.18E 141–3 4.5
SOF VII 15 17 41 14.0 45.45N 26.14E 28 3.1
BEO VII 15 17 41 14.2–.89 45.62N 26.22E 70 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.4km az=169.5.
BUC Event type se. Error ellipse: s-maj=5.5km s-min=4.6km az=335.0.
NEIC Event type se. After BUC.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=12.0.
ISC VII 16 12 27 34.2–.32 45.56N–.03 26.37E–.04 146–2 3.7b 163 0-119
IDC VII 16 12 27 33.5–2.1 45.52N 26.25E 142–21 3.4b,3.4 ¶11811742
ISCJB VII 16 12 27 33.2–.31 45.57N–.03 26.37E–.04 149–3 3.7b,3.4
BUC VII 16 12 27 33.7–1.3 45.56N 26.36E 149–12 4.6,3.4
CSEM VII 16 12 27 33.6–.19 45.56N 26.36E 149–2 4.6,3.4
NEIC VII 16 12 27 34.2 45.45N 26.37E 143 3.7,3.4
SOF VII 16 12 27 35.8 45.46N 26.23E 125 3.2,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=19.1km az=137.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=31.7.
BUC Event type se. Error ellipse: s-maj=9.3km s-min=8.1km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=49.0.
NEIC Event type se. After BUC.
BUC VII 16 21 24 08.6–.82 45.85N 26.77E 125–5 2.9
¶13596840
BUC Event type se. Error ellipse: s-maj=12.0km s-min=4.9km az=113.0.
BUC VII 30 10 09 31.5–.15 46.99N 22.14E 0–0 2.5
¶13597303
BUC Event type se. Error ellipse: s-maj=3.3km s-min=1.2km az=105.0.
ISC VII 31 06 42 19.1–.00 45.38N–.05 26.10E–.06 130–7 75 0-2
ISCJB VII 31 06 42 18.6–.96 45.38N–.05 26.10E–.06 130–7 ¶12951787
BUC VII 31 06 42 18.0–1.7 45.39N 26.06E 137–15 3.4
CSEM VII 31 06 42 19.2–.37 45.37N 26.10E 125–3 3.4
NEIC VII 31 06 42 19.4 45.39N 26.12E 126 2.7
SOF VII 31 06 42 21.4 45.25N 26.25E 100 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=6.3km az=35.0.
BUC Event type se. Error ellipse: s-maj=12.4km s-min=8.3km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=53.0.
NEIC Event type se. After BUC.
ISC VIII 02 09 03 58.7–.25 44.57N–.02 26.22E–.03 10 150 0-6
ISCJB VIII 02 09 03 57.9–.26 44.55N–.02 26.18E–.03 10 ¶12099595
SOF VIII 02 09 03 57.2 44.61N 26.30E 10 3.1
THE VIII 02 09 03 57.5 44.74N 26.28E 21–5 3.5L
CSEM VIII 02 09 03 59.9–.16 44.59N 26.22E 24–1 3.5
NEIC VIII 02 09 04 00.4 44.60N 26.25E 28 3.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.1km s-min=2.5km az=138.3.
THE Event type ke. Error ellipse: s-maj=7.3km s-min=1.2km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=127.0.
NEIC Event type fe. Felt at Bucharest. After BUC.
ISC VIII 14 05 03 36.7–.52 45.65N–.03 26.54E–.04 132–4 174 0-6
BEO VIII 14 05 03 34.1–.63 45.65N 27.15E 149–8 3.3L ¶11747390
ISCJB VIII 14 05 03 35.9–.50 45.64N–.03 26.52E–.04 134–4 3.3L
BUC VIII 14 05 03 36.4–1.6 45.66N 26.52E 134–15 4.4
CSEM VIII 14 05 03 36.4–.26 45.65N 26.50E 132–2 4.4
NEIC VIII 14 05 03 36.9 45.67N 26.53E 127 3.3
SOF VIII 14 05 03 40.6 45.17N 26.57E 7 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=140.9.
BUC Event type se. Error ellipse: s-maj=12.3km s-min=9.0km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=51.0.
NEIC Event type se. After BUC.
ISC VIII 17 05 00 48.8–.39 45.35N–.02 21.07E–.03 14–3 161 0-4
BEO VIII 17 05 00 47.7–.27 45.40N 21.15E 18–3 2.6L ¶11747425
CSEM VIII 17 05 00 48.3–.15 45.34N 21.05E 10 3.4
ISCJB VIII 17 05 00 49.1–.41 45.38N–.02 21.07E–.03 24–4 3.4
BUC VIII 17 05 00 51.9–1.2 45.58N 21.32E 17–8 3.4
NEIC VIII 17 05 00 52.2 45.58N 21.25E 14 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=141.5.
BUC Event type se. Error ellipse: s-maj=12.0km s-min=7.3km az=26.0.
NEIC Event type se. After BUC.
ISC VIII 17 16 24 54.2–.54 45.32N–.02 21.12E–.04 5–4 51 0-4
BUC VIII 17 16 24 53.4–3.0 45.56N 20.97E 7–15 2.6 ¶11747432
BEO VIII 17 16 24 54.4–.30 45.36N 21.13E 11–2 2.2L
CSEM VIII 17 16 24 54.1–.27 45.34N 21.14E 10 2.2L
ISC Event type ke.
BUC Event type se. Error ellipse: s-maj=38.3km s-min=18.9km az=2.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.6km az=122.0.
BUC VIII 19 13 15 54.2–1.7 45.67N 26.56E 147–14 3.5
CSEM VIII 19 13 15 54.2 45.67N 26.56E 147 3.5 ¶13827570
BUC Event type se. Error ellipse: s-maj=13.0km s-min=10.6km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC VIII 19 13 19 09.4–1.1 46.65N 23.65E 5–0 2.8
¶13827571
BUC Event type se. Error ellipse: s-maj=15.6km s-min=8.2km az=345.0.
ISC VIII 29 07 55 57.4–.68 45.50N–.04 26.41E–.05 144–5 135 0-5
NEIC VIII 29 07 55 55.0 45.51N 26.33E 170 3.9 ¶12100341
ISCJB VIII 29 07 55 56.9–.67 45.50N–.04 26.40E–.05 142–6 3.9
BUC VIII 29 07 55 56.9–1.2 45.56N 26.37E 146–11 4.4
CSEM VIII 29 07 55 57.2–.29 45.51N 26.38E 143–3 4.4
ISC Event type ke.
NEIC Event type se. After BUC.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.4km az=16.8.
BUC Event type se. Error ellipse: s-maj=9.0km s-min=7.2km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=1.0.
BUC IX 02 11 46 27.3–.86 46.25N 25.83E 26–15 2.2
¶13844937
BUC Event type se. Error ellipse: s-maj=6.7km s-min=2.8km az=2.0.
BUC IX 02 12 03 21.6–1.0 46.58N 25.46E 0–0 2.7
¶13844938
BUC Event type se. Error ellipse: s-maj=9.3km s-min=6.9km az=84.0.
BUC IX 03 01 25 18.8–1.9 45.64N 27.27E 45–14 1.8
¶13844964
BUC Event type se. Error ellipse: s-maj=15.0km s-min=7.7km az=97.0.
BUC IX 03 12 34 30.8–.73 45.66N 25.97E 90–0 2.7
¶13844965
BUC Event type se. Error ellipse: s-maj=40.9km s-min=9.2km az=339.0.
BUC IX 04 05 37 12.5–.50 45.23N 26.99E 0–7 2.7
¶13844991
BUC Event type se. Error ellipse: s-maj=6.3km s-min=2.3km az=19.0.
BUC IX 05 09 27 31.1–.54 46.06N 25.78E 70–0 2.8
¶13845018
BUC Event type se. Error ellipse: s-maj=7.7km s-min=2.9km az=337.0.
BUC IX 06 09 49 37.9–13 44.88N 25.45E 5–0 2.1
¶13845030
BUC Event type se. Error ellipse: s-maj=110.0km s-min=41.5km az=11.0.
ISC IX 06 19 48 02.4–.27 45.80N–.01 26.56E–.01 17–1 4.6b,4.0s 755 0-129
IDC IX 06 19 47 59.5–.51 45.71N 26.49E 0 4.3,4.2 ¶13393604
CSEM IX 06 19 48 01.9–.06 45.81N 26.58E 15 4.4b,4.2
PRU IX 06 19 48 01.4 45.64N 26.72E 9 4.5,4.2
ISCJB IX 06 19 48 01.2–.26 45.78N–.01 26.54E–.02 25–2 4.6b,4.0s
BJI IX 06 19 48 01.1 45.80N 26.50E 24 4.8b,4.8b
BUC IX 06 19 48 01.6–.54 45.78N 26.51E 13–4 4.4,4.8b
MOS IX 06 19 48 02.4–1.1 45.83N 26.58E 33 4.6b,4.8b
NEIC IX 06 19 48 03.1–1.7 45.85N 26.55E 25–13 4.7,4.5b
THE IX 06 19 48 03.3 45.77N 26.55E 31–62 4.4L,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=10.5km s-min=10.3km az=112.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=140.3.
BUC Event type se. Error ellipse: s-maj=5.5km s-min=4.5km az=319.0.
MOS Error ellipse: s-maj=4.8km s-min=3.7km az=118.8.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=5.5km az=185.0.
THE Event type ke. Error ellipse: s-maj=62.9km s-min=3.0km az=31.0.
ISC IX 06 21 11 27.5–.56 45.78N–.04 26.50E–.05 3–6 56 0-4
ISCJB IX 06 21 11 26.9–.58 45.79N–.05 26.49E–.05 5–6 ¶13845036
BUC IX 06 21 11 26.5–.74 45.78N 26.49E 4–13 3.1
CSEM IX 06 21 11 27.2–.26 45.77N 26.49E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.8km az=157.3.
BUC Event type se. Error ellipse: s-maj=8.7km s-min=6.1km az=128.0.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=145.0.
BUC IX 06 23 21 48.1–.85 45.36N 27.01E 25–0 2.4
¶13845039
BUC Event type se. Error ellipse: s-maj=13.3km s-min=7.8km az=38.0.
BUC IX 06 23 32 25.5–1.6 45.71N 26.60E 10–0 2.1
¶13845040
BUC Event type se. Error ellipse: s-maj=25.3km s-min=3.5km az=133.0.
BUC IX 07 01 50 01.2–.19 45.32N 27.05E 8–4 2.1
¶13845062
BUC Event type se. Error ellipse: s-maj=3.2km s-min=1.2km az=20.0.
BUC IX 18 11 57 23.0–.83 45.43N 27.04E 21–17 2.5
¶13845259
BUC Event type se. Error ellipse: s-maj=18.0km s-min=4.5km az=47.0.
BUC IX 19 18 10 47.8–2.7 47.86N 23.50E 3–0 2.6
¶13845279
BUC Event type se. Error ellipse: s-maj=24.1km s-min=6.9km az=134.0.
ISC IX 22 11 55 17.0–.45 45.32N–.02 21.71E–.04 10 48 0-3
BUC IX 22 11 55 15.8–2.9 45.50N 21.23E 7–8 2.8 ¶11747824
ISCJB IX 22 11 55 16.4–.45 45.31N–.02 21.69E–.04 10 2.8
BEO IX 22 11 55 16.9–.36 45.33N 21.75E 0–0 1.9L
CSEM IX 22 11 55 16.2–.22 45.32N 21.72E 2 1.9L
ISC Event type ke.
BUC Event type se. Error ellipse: s-maj=20.3km s-min=12.4km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=99.0.
ISC IX 30 07 46 40.5–.54 46.46N–.02 21.75E–.03 12–3 88 1-4
ISCJB IX 30 07 46 40.0–.66 46.46N–.02 21.71E–.03 14–4 ¶11747918
CSEM IX 30 07 46 40.6–.16 46.45N 21.74E 12 2.7L
BUC IX 30 07 46 41.1–1.7 46.40N 21.92E 5–0 2.9
BEO IX 30 07 46 42.6–.89 46.40N 21.79E 19–3 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=10.1.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=98.0.
BUC Event type se. Error ellipse: s-maj=23.6km s-min=7.1km az=127.0.

ISC IX 30 18 41 04.5–.37 44.97N–.01 22.37E–.03 10–3 151 0-5
BUC IX 30 18 41 02.7–1.1 44.94N 22.37E 5–0 3.2 ¶11747925
ISCJB IX 30 18 41 03.6–.40 44.96N–.02 22.35E–.02 9–3 3.2
CSEM IX 30 18 41 04.4–.11 44.97N 22.38E 8 3.0L
BEO IX 30 18 41 04.8–.46 44.94N 22.50E 8–2 3.0L
ISC Event type ke.
BUC Event type se. Error ellipse: s-maj=17.6km s-min=9.8km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.8km az=176.1.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=105.0.
ISC X 02 14 04 48.2–.26 45.67N–.02 26.53E–.03 149–2 4.0b 250 0-52
SOF X 02 14 04 47.9 45.72N 26.41E 135 3.2 ¶13395792
MOS X 02 14 04 47.3–.73 45.67N 26.48E 156 4.0b
CSEM X 02 14 04 47.9–.13 45.69N 26.51E 147–2 4.0b
ISCJB X 02 14 04 47.2–.25 45.67N–.02 26.53E–.03 152–2 4.0b
NEIC X 02 14 04 48.4–.40 45.71N 26.57E 152–7 3.9b
BUC X 02 14 04 48.2–1.0 45.63N 26.47E 148–10 4.8
IDC X 02 14 04 48.2–1.8 45.77N 26.60E 152–23 3.5b,3.3
ISC Event type ke.
MOS Error ellipse: s-maj=9.7km s-min=5.8km az=113.3.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=142.6.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.2km az=225.0.
BUC Event type se. Error ellipse: s-maj=7.4km s-min=6.1km az=59.0.
IDC Error ellipse: s-maj=19.7km s-min=16.2km az=126.0.
ISC X 06 14 51 02.6–.58 45.35N–.03 21.59E–.06 15–5 35 0-3
BEO X 06 14 51 00.9–.53 45.44N 21.66E 26–4 2.0L ¶11748166
BUC X 06 14 51 00.2–.27 45.28N 21.56E 5–1 2.5
ISCJB X 06 14 51 01.8–.60 45.32N–.03 21.57E–.06 12–5 2.5
CSEM X 06 14 51 02.0–.35 45.36N 21.59E 15 2.0L
ISC Event type ke.
BUC Event type se. Error ellipse: s-maj=2.0km s-min=0.5km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.9km az=18.7.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=5.4km az=120.0.
ISC X 06 15 26 45.5–1.4 45.54N–.06 26.34E–.07 141–8 55 0-2
CSEM X 06 15 26 44.4 45.56N 26.29E 149 3.6 ¶13921102
BUC X 06 15 26 44.4–1.5 45.56N 26.29E 149–11 3.6
ISCJB X 06 15 26 45.6–1.4 45.54N–.06 26.36E–.07 135–9 3.6
ISC Event type ke.
CSEM Event type ke. After BUC.
BUC Event type se.
ISCJB Event type ke.
ISC X 15 13 39 18.3–.27 45.67N–.02 26.45E–.04 142–2 3.7b 200 0-68
IDC X 15 13 39 16.9–2.2 45.77N 26.23E 124–21 3.4b,3.3 ¶13936107
CSEM X 15 13 39 17.9–.12 45.69N 26.42E 142–1 4.5,3.3
ISCJB X 15 13 39 17.5–.27 45.67N–.02 26.45E–.04 144–2 3.7b,3.3
SOF X 15 13 39 17.7 45.69N 26.38E 138 3.0,3.3
BUC X 15 13 39 18.0–.99 45.62N 26.45E 144–9 4.5,3.3
NEIC X 15 13 39 18.7 45.62N 26.46E 139 4.0b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=20.9km s-min=15.9km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.7km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=4.0km az=5.1.
BUC Event type se. Error ellipse: s-maj=7.5km s-min=7.0km az=45.0.
NEIC Event type se. After BUC.
ISC X 20 11 03 02.2–.37 45.87N–.02 26.86E–.04 79–4 180 0-48
ISCJB X 20 11 03 01.1–.36 45.87N–.02 26.84E–.04 85–3 ¶11749116
BUC X 20 11 03 02.2–1.6 45.88N 26.83E 74–19 4.2
IDC X 20 11 03 02.1–5.1 46.00N 26.97E 89–92 3.8b,3.5
CSEM X 20 11 03 02.4–.16 45.86N 26.87E 75–2 4.2,3.5
NEIC X 20 11 03 02.5 45.87N 26.86E 74 3.9,3.5
BEO X 20 11 03 12.0–.44 45.42N 25.25E 5–5 2.8L,3.5
SKO X 20 11 03 20.1 44.88N 24.91E 0 2.8L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=4.0km az=7.1.
BUC Event type se. Error ellipse: s-maj=14.2km s-min=11.4km az=73.0.
IDC Error ellipse: s-maj=91.1km s-min=21.0km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=52.0.
NEIC Event type se. After BUC.
ISC X 21 20 33 13.2–.92 45.66N–.04 26.52E–.06 151–6 98 0-2
BUC X 21 20 33 12.3–1.5 45.70N 26.49E 157–12 4.0 ¶13921183
ISCJB X 21 20 33 13.2–.92 45.66N–.04 26.54E–.06 147–6 4.0
CSEM X 21 20 33 13.0–.33 45.65N 26.50E 150–2 4.0
ISC Event type ke.
BUC Event type se. Error ellipse: s-maj=12.7km s-min=9.3km az=315.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.0km az=39.5.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=122.0.
ISC X 25 20 31 12.6–.33 45.80N–.02 26.52E–.02 8–2 121 0-5
SOF X 25 20 31 10.1 45.92N 26.40E 2 2.7 ¶13921196
BUC X 25 20 31 11.3–.94 45.78N 26.51E 10–0 3.6
ISCJB X 25 20 31 12.0–.38 45.80N–.02 26.50E–.02 8–3 3.6
CSEM X 25 20 31 12.0–.15 45.79N 26.51E 8 3.6
ISC Event type ke.
BUC Event type se. Error ellipse: s-maj=9.4km s-min=7.6km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=163.6.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=176.0.
BUC X 27 12 31 36.1–2.1 45.17N 24.94E 5–0 2.2
¶13921201
BUC Event type se. Error ellipse: s-maj=20.6km s-min=7.4km az=345.0.
BUC X 30 10 51 31.5–.80 46.59N 23.66E 30–0 2.4
¶13921225
BUC Event type se. Error ellipse: s-maj=11.2km s-min=8.8km az=48.0.
BUC X 30 19 54 24.1–1.8 47.92N 23.93E 5–0 2.7
¶13921226
BUC Event type se. Error ellipse: s-maj=27.6km s-min=8.3km az=5.0.
BUC X 31 12 44 23.3–1.5 47.88N 23.94E 5–0 2.5
¶13921228
BUC Event type se. Error ellipse: s-maj=20.4km s-min=6.7km az=357.0.
BUC X 31 13 32 44.8–.63 46.93N 23.13E 10–0 2.5
¶13921229
BUC Event type se. Error ellipse: s-maj=9.9km s-min=4.4km az=331.0.
ISC XI 03 09 37 47.6–.69 47.82N–.04 23.06E–.06 7–6 43 0-2
BUC XI 03 09 37 46.2–2.8 47.83N 23.01E 8–13 2.5 ¶14011179
ISCJB XI 03 09 37 47.2–.78 47.83N–.04 23.05E–.06 5–6 2.5
CSEM XI 03 09 37 47.2–.25 47.79N 23.03E 8 2.3L
ISC Event type ke.
BUC Event type se. Error ellipse: s-maj=23.7km s-min=9.8km az=331.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.4km az=39.9.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.6km az=40.0.
ISC XI 10 13 12 35.4–.56 45.24N–.02 21.59E–.05 0–7 45 0-2
CSEM XI 10 13 12 35.6–.15 45.23N 21.56E 2 1.9L ¶11750388
BEO XI 10 13 12 35.0–.35 45.24N 21.61E 4–4 1.9L
BUC XI 10 13 12 35.3–.13 45.26N 21.54E 9–0 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.3km az=108.0.
BUC Event type se. Error ellipse: s-maj=1.4km s-min=0.6km az=71.0.
ISC XI 10 22 16 10.7–.38 44.12N–.03 24.86E–.03 10 63 1-3
BUC XI 10 22 16 09.0–.70 44.10N 24.90E 5–0 2.5 ¶11750403
CSEM XI 10 22 16 09.9–.12 44.13N 24.90E 2 1.9L
ISCJB XI 10 22 16 10.6–.42 44.11N–.02 24.92E–.04 10 1.9L
BEO XI 10 22 16 10.0–.64 44.10N 24.84E 0–0 1.9L
ISC Event type ke.
BUC Event type se. Error ellipse: s-maj=9.2km s-min=3.4km az=70.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=129.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=19.9.
BUC XI 12 01 50 55.1–.90 46.53N 27.53E 5–0 2.4
¶14011497
BUC Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=357.0.
BUC XI 13 13 20 03.7–1.2 47.61N 26.67E 36–0 3.3
CSEM XI 13 13 20 04.0–.22 47.62N 26.66E 68–6 3.3 ¶14011532
BUC Event type se. Error ellipse: s-maj=22.0km s-min=6.3km az=13.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.6km az=37.0.

BUC XI 17 04 45 26.6–1.6 45.70N 26.46E 152–13 3.7
CSEM XI 17 04 45 26.6 45.70N 26.46E 152 3.7 ¶14011681
BUC Event type se. Error ellipse: s-maj=12.7km s-min=9.3km az=120.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
BUC XI 19 01 05 07.9–1.3 45.66N 26.50E 152–11 3.6
CSEM XI 19 01 05 07.9 45.66N 26.50E 152 3.6 ¶14011749
BUC Event type se. Error ellipse: s-maj=8.9km s-min=7.7km az=325.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.
ISC XI 21 21 56 13.4–.48 45.18N–.02 22.25E–.03 0–4 89 0-3
BUC XI 21 21 56 13.8–.80 45.30N 22.31E 5–0 2.4 ¶11751007
CSEM XI 21 21 56 13.3–.21 45.18N 22.24E 2 2.7L
BEO XI 21 21 56 14.0–.30 45.18N 22.25E 8–2 2.7L
ISC Event type ke.
BUC Event type se. Error ellipse: s-maj=10.4km s-min=6.5km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=124.0.
ISC XII 01 21 23 04.3–.17 45.67N–.02 26.53E–.03 145–1 4.0b 533 0-68
BUC XII 01 21 23 03.7–1.0 45.66N 26.51E 151–10 4.7 ¶12075456
CSEM XII 01 21 23 03.8–.07 45.67N 26.52E 146–1 4.0b
ISCJB XII 01 21 23 03.3–.17 45.67N–.02 26.53E–.03 148–1 4.0b
MOS XII 01 21 23 03.4–.83 45.70N 26.51E 148 4.0b
SOF XII 01 21 23 04.6 45.77N 26.45E 47 3.1
IDC XII 01 21 23 04.0–.46 45.71N 26.36E 143–4 3.6b,3.5
NEIC XII 01 21 23 04.1 45.67N 26.54E 146 4.1,3.9b
THE XII 01 21 23 15.4 44.80N 25.96E 129–19 3.5L,3.9b
ISC Event type ke.
BUC Event type se. Error ellipse: s-maj=7.3km s-min=6.6km az=336.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=103.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=25.3.
MOS Error ellipse: s-maj=7.3km s-min=5.1km az=99.7.
IDC Error ellipse: s-maj=18.3km s-min=11.9km az=138.0.
NEIC Event type se. After BUC.
THE Event type ke. Error ellipse: s-maj=20.4km s-min=4.0km az=160.0.
BUC XII 09 11 01 08.3–.70 46.05N 22.91E 7–6 2.2
¶14268818
BUC Event type se. Error ellipse: s-maj=7.6km s-min=4.9km az=87.0.
ISC XII 12 10 56 33.2–.48 45.16N–.02 23.10E–.03 1–4 87 0-4
CSEM XII 12 10 56 33.3–.13 45.17N 23.09E 2 2.7L ¶11751669
BEO XII 12 10 56 34.6–.39 45.12N 23.08E 10–3 2.7L
BUC XII 12 10 56 34.5–.93 45.28N 23.08E 14–5 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=135.0.
BUC Event type se. Error ellipse: s-maj=9.5km s-min=4.4km az=348.0.
BUC XII 14 21 04 54.1–.66 45.40N 26.94E 5–10 2.3
¶14269021
BUC Event type se. Error ellipse: s-maj=6.3km s-min=4.6km az=351.0.
ISC XII 17 07 37 50.2–.15 45.65N–.01 26.48E–.02 89–2 3.8b 605 0-93
ISCJB XII 17 07 37 48.9–.16 45.66N–.01 26.49E–.02 97–2 3.8b ¶13402991
BUC XII 17 07 37 49.9–.51 45.69N 26.48E 89–6 4.6
MOS XII 17 07 37 49.2–.78 45.71N 26.50E 86 4.0b
IDC XII 17 07 37 50.3–.53 45.64N 26.39E 79–5 3.8,3.7
CSEM XII 17 07 37 50.2–.07 45.67N 26.49E 83 4.0b,3.7
NEIC XII 17 07 37 50.3 45.68N 26.48E 86 4.3,3.7
SOF XII 17 07 37 50.9 45.63N 26.41E 72 3.2,3.7
BEO XII 17 07 37 51.0–.85 45.71N 26.43E 0–0 4.0L,3.7
THE XII 17 07 37 55.4 45.08N 26.14E 0–5 4.1L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=152.0.
BUC Event type se. Error ellipse: s-maj=4.0km s-min=3.7km az=88.0.
MOS Error ellipse: s-maj=6.8km s-min=4.5km az=111.5.
IDC Error ellipse: s-maj=17.6km s-min=11.9km az=152.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=64.0.
NEIC Event type se. After BUC.
THE Event type ke. Error ellipse: s-maj=8.9km s-min=0.5km az=17.0.
BUC XII 17 12 00 31.3–.69 45.74N 22.25E 0–0 2.4
¶14269100
BUC Event type se. Error ellipse: s-maj=6.6km s-min=4.5km az=7.0.
BUC XII 21 19 55 36.5–.42 45.34N 26.48E 37–6 2.3
¶14269268
BUC Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=48.0.
BUC XII 25 21 09 57.3–1.4 45.39N 24.07E 15–9 2.6
¶14269386
BUC Event type se. Error ellipse: s-maj=38.8km s-min=6.5km az=6.0.
BUC XII 26 10 35 52.7–.79 45.16N 27.27E 10–0 2.9
CSEM XII 26 10 35 52.7 45.16N 27.27E 10 2.9 ¶14269423
BUC Event type se. Error ellipse: s-maj=14.7km s-min=5.7km az=23.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BUC.

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ISC VII 03 12 12 21.1–.39 42.65N–.02 23.37E–.03 3–3 109 0-4
SOF VII 03 12 12 20.9 42.61N 23.37E 9 3.1 ¶11255402
THE VII 03 12 12 20.9 42.65N 23.35E 0–1 3.7L
CSEM VII 03 12 12 20.7–.12 42.67N 23.37E 2 3.1
BEO VII 03 12 12 21.6–.36 42.66N 23.42E 16–5 2.9L
TIR VII 03 12 12 22.9–1.8 42.14N 23.43E 0–604 3.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=7.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=63.0.
TIR Error ellipse: s-maj=40.8km s-min=968.4km az=-1.0.
ISC VII 13 10 23 39.8–.48 43.26N–.03 25.96E–.03 4–7 52 0-4
SOF VII 13 10 23 39.3 43.28N 26.01E 6 2.7 ¶11746998
BEO VII 13 10 23 40.5–.64 43.26N 25.97E 0–0 2.5L
CSEM VII 13 10 23 41.9–.26 43.14N 26.05E 2 2.7
NEIC VII 13 10 23 41.5 43.14N 26.15E 1 2.7L
THE VII 13 10 23 44.1 43.08N 26.05E 9–49 2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.9km az=106.0.
NEIC Event type se. After BUC.
THE Event type ke. Error ellipse: s-maj=66.1km s-min=1.9km az=63.0.
ISC VIII 09 03 25 45.4–.48 42.69N–.02 23.35E–.03 1–4 108 0-4
SOF VIII 09 03 25 44.8 42.67N 23.38E 14 3.0 ¶11747342
CSEM VIII 09 03 25 45.0–.13 42.70N 23.37E 2 2.7L
THE VIII 09 03 25 45.0 42.71N 23.35E 0–1 3.0L
SKO VIII 09 03 25 45.4 42.74N 23.32E 0 2.8L,2.4
BEO VIII 09 03 25 46.2–.88 42.60N 23.28E 11–3 2.7L,2.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=35.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=8.0.
ISC VIII 24 23 24 47.5–.68 42.24N–.02 25.94E–.03 1–5 138 1-5
CSEM VIII 24 23 24 47.3–.14 42.26N 25.91E 2 2.8L ¶11525641
NEIC VIII 24 23 24 48.1 42.26N 25.86E 3 3.3,3.2
ATH VIII 24 23 24 48.1 42.26N 25.86E 3 3.3,3.2
BUC VIII 24 23 24 48.2–3.4 42.41N 25.68E 1–28 3.4,3.2
THE VIII 24 23 24 49.0 42.29N 25.78E 9–2 2.1L,3.2
ISK VIII 24 23 24 50.8 42.11N 26.15E 19 2.8L,3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=79.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.9km s-min=2.6km az=-1.0.
BUC Event type se. Error ellipse: s-maj=44.5km s-min=10.8km az=329.0.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=1.2km az=222.0.
ISC VIII 31 00 32 57.1–.79 42.37N–.03 25.95E–.04 3–6 80 0-5
ISCJB VIII 31 00 32 56.3–.85 42.38N–.03 25.92E–.04 1–7 ¶12100388
SKO VIII 31 00 32 56.2 42.68N 25.99E 0
THE VIII 31 00 32 56.8 42.40N 25.95E 4–2 2.6L
CSEM VIII 31 00 32 57.8–.23 42.35N 25.78E 2 2.6L
NEIC VIII 31 00 32 59.3 42.39N 25.71E 10 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=43.8.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=6.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=121.0.
NEIC Event type se. After BUC.

ISC VIII 31 17 22 43.4–.68 42.37N–.03 25.95E–.04 4–5 54 0-5
ISCJB VIII 31 17 22 42.5–.72 42.38N–.03 25.94E–.04 2–6 ¶13565215
CSEM VIII 31 17 22 43.2–.23 42.35N 25.96E 5 2.6L
THE VIII 31 17 22 43.3 42.37N 25.98E 2–2 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=44.3.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=5.1km az=103.0.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.7km az=352.0.
ISC IX 13 21 02 50.2–.39 42.03N–.01 23.76E–.03 2–3 137 0-5
SOF IX 13 21 02 49.4 42.04N 23.77E 9 2.7 ¶11747728
ISCJB IX 13 21 02 49.6–.47 42.05N–.02 23.76E–.03 4–3 2.7
CSEM IX 13 21 02 50.0–.12 42.03N 23.75E 2 2.7
SKO IX 13 21 02 50.8 42.05N 23.71E 0 2.7
THE IX 13 21 02 50.2 42.03N 23.76E 2–1 2.8L
BEO IX 13 21 02 50.9–.36 42.04N 23.77E 4–3 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=174.6.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=93.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=312.0.
SOF IX 15 00 06 35.0 42.44N 23.70E 20 2.8
CSEM IX 15 00 06 35.4–.21 42.50N 23.73E 5 2.7L ¶13566426
SKO IX 15 00 06 36.7 42.48N 23.70E 0 2.6L,2.4
THE IX 15 00 06 37.1 42.40N 23.60E 1–1 2.7L,2.4
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=165.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.5km az=57.0.
BEO X 09 11 39 33.8–1.7 42.63N 23.95E 3–8 1.7L
¶11748432
ISC X 25 13 22 29.1–.24 42.02N–.01 23.73E–.03 10 146 0-6
SOF X 25 13 22 27.6 42.04N 23.75E 6 3.3 ¶11749418
ISCJB X 25 13 22 28.3–.24 42.03N–.01 23.71E–.03 10 3.3
CSEM X 25 13 22 28.5–.12 42.02N 23.74E 2 3.3
THE X 25 13 22 28.7 42.04N 23.71E 0–2 3.1L
BEO X 25 13 22 28.6 41.98N 23.73E 5–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=10.8.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=89.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=345.0.
ISC X 29 15 58 31.1–.33 42.02N–.02 23.77E–.02 0–3 161 0-4
SOF X 29 15 58 30.6 42.05N 23.76E 7 2.5 ¶11749655
SKO X 29 15 58 30.5 41.97N 23.93E 0 2.9L,2.7
CSEM X 29 15 58 31.2–.12 42.03N 23.73E 2 2.5,2.7
BEO X 29 15 58 31.9–.70 41.99N 23.74E 0–0 2.7L,2.7
THE X 29 15 58 31.8 42.01N 23.70E 1–1 3.2L,2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=73.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=339.0.
ISC X 29 16 26 46.0–.34 42.05N–.02 23.73E–.03 10 85 0-4
SOF X 29 16 26 44.8 42.06N 23.77E 0 2.5 ¶11749658
ISCJB X 29 16 26 45.5–.34 42.05N–.02 23.71E–.03 10 2.5
SKO X 29 16 26 45.0 41.99N 23.80E 0 2.6L,2.3
CSEM X 29 16 26 45.2–.12 42.06N 23.74E 2 2.2L,2.3
THE X 29 16 26 46.1 42.01N 23.73E 2–3 2.8L,2.3
BEO X 29 16 26 46.9–.76 42.09N 23.77E 0–0 2.2L,2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=160.8.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=57.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.8km az=275.0.
ISC XI 05 07 36 55.0–.15 43.10N–.01 27.50E–.02 10 3.8b 474 0-47
DDA XI 05 07 36 50.4 43.45N 27.39E 11–1 3.8 ¶13399294
MOS XI 05 07 36 52.5–1.3 42.98N 27.61E 15 3.8b
IDC XI 05 07 36 53.4–1.0 43.12N 27.60E 0 3.8,3.7b
NEIC XI 05 07 36 53.1 42.93N 27.65E 10 4.1L,3.8b
SKO XI 05 07 36 53.5 43.30N 27.43E 0 4.4L,3.6
ISCJB XI 05 07 36 54.0–.15 43.10N–.01 27.47E–.02 10 3.8b,3.6
SOF XI 05 07 36 53.5 43.13N 27.48E 10 3.8,3.6
CSEM XI 05 07 36 54.1–.08 43.10N 27.53E 5 3.9b,3.6
THE XI 05 07 36 56.2 43.13N 27.48E 19–2 3.7L,3.6
BEO XI 05 07 36 57.0–.74 43.12N 27.31E 12–4 4.3L,3.6
ISC Event type ke.
MOS Error ellipse: s-maj=6.9km s-min=4.8km az=102.3.
IDC Error ellipse: s-maj=18.3km s-min=11.7km az=90.0.
NEIC Event type se. After BUC.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=14.9.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=85.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=70.0.
ISC XI 15 20 08 20.1–.35 42.68N–.01 23.27E–.02 7–2 3.5b 372 0-77
ISCJB XI 15 20 08 18.8–.35 42.70N–.01 23.26E–.02 5–2 3.5b ¶14259787
CSEM XI 15 20 08 19.5–.07 42.67N 23.29E 2 3.9L
SOF XI 15 20 08 19.0 42.65N 23.34E 10 3.7
SKO XI 15 20 08 19.6 42.71N 23.42E 9 4.2L,3.9
BEO XI 15 20 08 19.0–.29 42.67N 23.35E 5–1 3.6L,3.9
IDC XI 15 20 08 19.3–.96 42.68N 23.29E 0 3.6b,3.4
NEIC XI 15 20 08 20.0 42.68N 23.21E 8 3.9L,3.5L
THE XI 15 20 08 21.1 42.61N 23.25E 5–1 3.9L,3.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=168.4.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=77.0.
IDC Error ellipse: s-maj=13.2km s-min=11.6km az=141.0.
NEIC Event type fe. Felt at Sofia. After BUC.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=343.0.
ISC XI 16 05 03 04.7–.40 42.68N–.02 23.34E–.03 2–3 150 0-7
ISCJB XI 16 05 03 03.9–.41 42.70N–.02 23.33E–.03 2–3 ¶11750689
CSEM XI 16 05 03 04.7–.11 42.68N 23.33E 2 3.2
SOF XI 16 05 03 04.4 42.63N 23.39E 7 3.2
BEO XI 16 05 03 04.0–.31 42.68N 23.36E 2–2 2.9L
SKO XI 16 05 03 05.8 42.61N 23.41E 1 3.0L,2.3
THE XI 16 05 03 06.3 42.59N 23.30E 2–10 3.3L,2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=143.7.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=50.0.
THE Event type ke. Error ellipse: s-maj=13.1km s-min=1.1km az=349.0.
BEO XI 17 13 02 20.0–1.5 42.28N 24.10E 0–0 1.8L
¶11750767
BEO XII 03 19 02 20.3–1.0 42.09N 23.55E 0–0 1.5L
¶15684867
ISC XII 11 06 19 43.7–.41 42.66N–.02 23.90E–.03 2–4 87 0-4
ISCJB XII 11 06 19 43.0–.47 42.68N–.02 23.88E–.03 3–4 ¶14259909
CSEM XII 11 06 19 43.6–.11 42.66N 23.90E 2 2.6
SOF XII 11 06 19 44.1 42.58N 23.89E 10 2.6
BEO XII 11 06 19 44.6–1.1 42.68N 23.89E 0–6 2.1L
THE XII 11 06 19 44.7 42.59N 23.91E 1–3 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=47.0.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=1.3km az=12.0.
ISC XII 15 05 45 13.3–.61 42.59N–.04 23.88E–.04 10 29 0-2
ISCJB XII 15 05 45 12.7–.57 42.58N–.04 23.85E–.04 10 ¶11751701
SOF XII 15 05 45 12.9 42.61N 23.91E 16 2.5
CSEM XII 15 05 45 13.1–.30 42.62N 23.89E 2 2.5
BEO XII 15 05 45 14.1–.44 42.52N 23.85E 0–0 1.7L
SKO XII 15 05 45 14.2 42.57N 23.89E 0 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.6km az=26.5.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=3.8km az=29.0.
ISC XII 21 13 06 22.7–.77 42.51N–.04 23.02E–.05 8–11 18 0-5
ISCJB XII 21 13 06 21.5–.86 42.50N–.04 23.00E–.06 15–9 ¶11751772
CSEM XII 21 13 06 21.4–.45 42.52N 23.07E 20 1.5L
BEO XII 21 13 06 21.3–1.1 42.38N 23.05E 0–0 1.5L
SKO XII 21 13 06 22.0 42.61N 22.93E 0 2.8,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.5km az=165.8.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=7.9km az=77.0.

(360) Black Sea.

ISC VIII 09 01 53 10.1–.79 42.64N–.02 32.56E–.02 8–6 3.8b 314 1-73
ISK VIII 09 01 53 07.7 42.84N 32.55E 16 4.1L,4.0 ¶11525314
NEIC VIII 09 01 53 08.0 42.84N 32.54E 18 4.0L,3.8b
IDC VIII 09 01 53 09.1–.67 42.61N 32.48E 0 3.8,3.8
MOS VIII 09 01 53 09.9–.91 42.67N 32.49E 17 4.0b,3.8
CSEM VIII 09 01 53 12.7–.08 42.62N 32.53E 30 4.0b,3.8
DDA VIII 09 01 53 13.4 42.17N 32.57E 10–9 3.8,3.8
ISC Event type ke.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=13.9km s-min=9.6km az=49.0.
MOS Error ellipse: s-maj=7.1km s-min=5.1km az=109.5.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=66.0.
BUC VIII 25 22 54 45.6–2.7 44.62N 29.21E 0–0 3.2
¶13827874
BUC Event type se. Error ellipse: s-maj=21.1km s-min=8.2km az=109.0.
BUC IX 15 09 39 02.9–.23 43.96N 28.99E 5–0 2.7
¶13845205
BUC Event type se. Error ellipse: s-maj=1.8km s-min=1.2km az=27.0.
DDA XI 02 18 53 27.9 42.84N 40.36E 10–3 3.2
¶14011165

(361) Crimea region.

ISC VII 24 14 14 11.6–.56 45.16N–.02 36.44E–.03 33–5 3.8b,3.0s 140 0-97
IDC VII 24 14 14 08.0–1.1 45.24N 36.50E 0 4.1L,4.0 ¶13389988
MOS VII 24 14 14 08.8–2.1 45.32N 36.45E 21 4.1b,4.0
ISCJB VII 24 14 14 09.8–.29 45.17N–.02 36.46E–.03 41–6 3.8b,3.0s
NEIC VII 24 14 14 09.1–5.8 45.18N 36.49E 12–42 3.5b,3.0s
CSEM VII 24 14 14 11.7–.14 45.14N 36.43E 40 3.8b,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=12.8km az=31.0.
MOS Error ellipse: s-maj=7.9km s-min=6.2km az=106.7.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=18.6.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.0km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=30.0.
ISC X 18 14 31 10.9–1.3 45.31N–.06 35.6E–.10 10 3.3b 34 1-43
ISCJB X 18 14 31 11.2–.75 45.44N–.05 35.53E–.06 10 3.3b ¶12068979
MOS X 18 14 31 11.2–1.4 45.52N 35.65E 25 3.8b
CSEM X 18 14 31 11.2 45.52N 35.65E 25 3.8b
IDC X 18 14 31 13.9–2.1 44.90N 34.47E 0 3.8b,3.7
ISCJB Error ellipse: s-maj=7.3km s-min=6.1km az=148.2.
MOS Error ellipse: s-maj=28.1km s-min=14.0km az=74.3.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
IDC Error ellipse: s-maj=52.8km s-min=15.1km az=83.0.

(362) Western Caucasus.

ISC VII 09 14 33 28.2–.73 43.95N–.07 43.01E–.06 24–5 23 0-2
MOS VII 09 14 33 26.8–.75 44.02N 42.90E 33 4.0b ¶12787913
ISCJB VII 09 14 33 27.9–.74 43.96N–.07 43.00E–.06 27–5 4.0b
MOS VII 16 13 24 26.6–.56 44.78N 40.55E 18 4.4b
CSEM VII 16 13 24 26.1 44.78N 40.55E 18 4.4b ¶12788554
MOS Error ellipse: s-maj=23.4km s-min=14.9km az=114.9.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS VII 17 07 28 52.0–.21 44.10N 40.35E 6 3.9b
¶12788565
MOS Error ellipse: s-maj=27.6km s-min=18.2km az=8.7.
ISC VII 22 01 10 52.0–.53 43.22N–.02 42.95E–.04 5–6 82 1-3
TIF VII 22 01 10 51.3 43.25N 43.05E 10 ¶12863140
MOS VII 22 01 10 51.5–1.3 43.22N 42.92E 10 3.8b
CSEM VII 22 01 10 51.6–.26 43.20N 42.94E 2 3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=9.9km s-min=8.2km az=22.1.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=52.0.
ISC VIII 06 19 12 20.6–.30 42.28N–.01 43.95E–.03 8–5 108 0-2
ISCJB VIII 06 19 12 19.6–.31 42.29N–.01 43.87E–.03 7–4 ¶12863147
TIF VIII 06 19 12 19.5 43.59N 45.19E 10
MOS VIII 06 19 12 21.0–1.2 42.28N 44.01E 11 4.1b
CSEM VIII 06 19 12 21.3–.16 42.31N 44.01E 2 3.0L
DDA VIII 06 19 12 29.5 41.09N 42.82E 7–31 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=17.8.
MOS Error ellipse: s-maj=14.4km s-min=5.7km az=91.5.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=79.0.
ISC VIII 18 21 02 04.9–.85 41.23N–.06 44.08E–.07 7–19 10 1-2
¶15206871
ISC IX 13 00 00 42.9–.51 41.35N–.04 44.14E–.04 10 27 1-2
ISCJB IX 13 00 00 42.5–.50 41.37N–.04 44.14E–.03 10 ¶13856397
DDA IX 13 00 00 43.6 41.51N 43.86E 7–4 3.2
CSEM IX 13 00 00 43.6 41.51N 43.86E 7 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.3km az=159.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
MOS IX 14 17 53 21.0–.72 43.47N 44.20E 19 3.8b
¶13394340
MOS Error ellipse: s-maj=13.7km s-min=9.4km az=101.2.
DDA IX 18 08 26 36.4 42.07N 43.75E 7–4 3.1
¶13856481
ISC IX 25 00 48 50.8–.92 42.54N–.09 43.31E–.05 7–9 30 0-2
TIF IX 25 00 48 47.2 43.35N 43.77E 10 ¶13856612
CSEM IX 25 00 48 50.2–.64 42.52N 43.30E 2 1.8L
DDA IX 25 00 48 51.3 42.14N 43.54E 7–8 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.7km s-min=8.3km az=176.0.
ISC IX 26 20 18 03.1–.68 42.51N–.08 43.50E–.05 12–7 32 0-2
CSEM IX 26 20 18 02.7–.36 42.45N 43.44E 2 2.2L ¶13856648
TIF IX 26 20 18 02.1 42.73N 44.50E 10 2.2L
DDA IX 26 20 18 04.8 42.70N 42.72E 6–0 3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=4.9km az=5.0.
ISC IX 30 20 23 28.6–.54 43.55N–.03 44.98E–.03 14–3 65 0-2
MOS IX 30 20 23 28.3–1.1 43.57N 44.85E 22 3.9b ¶13395551
CSEM IX 30 20 23 28.3 43.57N 44.85E 22 3.9b
ISCJB IX 30 20 23 29.2–.58 43.58N–.03 44.93E–.04 17–6 3.9b
CSEM After OBN.
ISC IX 30 21 03 22.5–.56 43.56N–.03 44.99E–.03 12–3 69 0-2
MOS IX 30 21 03 22.1–1.0 43.55N 44.84E 20 4.0b ¶13395553
CSEM IX 30 21 03 22.1 43.55N 44.84E 20 4.0b
ISCJB IX 30 21 03 23.1–.55 43.57N–.03 44.94E–.03 16–7 4.0b
CSEM After OBN.
ISC X 02 17 22 32.5–.80 41.31N–.07 44.00E–.05 10 11 1-2
¶15670273
MOS X 03 10 02 05.3–.22 44.13N 40.38E 8 4.0b
¶13395869
MOS Error ellipse: s-maj=33.3km s-min=24.5km az=15.1.
ISC X 05 17 05 47.1–.54 41.87N–.06 44.28E–.05 14–5 30 0-2
ISCJB X 05 17 05 46.7–.66 41.81N–.06 44.23E–.05 8–7 ¶13909532
CSEM X 05 17 05 46.7–.19 41.86N 44.26E 10 2.5L
DDA X 05 17 05 48.7 42.67N 42.59E 7–5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=4.4km az=28.9.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.3km az=19.0.
ISC X 06 10 28 37.7–.33 42.46N–.02 43.88E–.03 10 91 0-3
TIF X 06 10 28 33.8 43.46N 43.26E 10 ¶13396184
CSEM X 06 10 28 36.8–.19 42.46N 43.83E 2 4.0b
MOS X 06 10 28 36.4–1.1 42.47N 43.87E 6 4.0b
ISCJB X 06 10 28 37.1–.34 42.46N–.02 43.89E–.03 10 4.0b
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC X 09 06 08 42.9–.23 41.29N–.01 44.04E–.03 10 107 0-4
NSSP X 09 06 08 40.2 41.35N 44.10E 5 3.1s ¶13396463
CSEM X 09 06 08 41.3–.27 41.32N 43.99E 2 3.1L
ISCJB X 09 06 08 42.4–.23 41.29N–.01 44.06E–.02 10 3.1L
MOS X 09 06 08 42.9–1.4 41.31N 44.15E 13 4.0b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=3.5km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=1.8.
MOS Error ellipse: s-maj=13.8km s-min=5.0km az=92.8.
ISC X 20 05 35 44.7–.88 42.35N–.05 43.02E–.04 6–6 33 0-2
CSEM X 20 05 35 44.5–.31 42.36N 43.01E 2 2.8L ¶15076192
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.6km az=156.0.
ISC X 20 15 28 24.8–1.3 42.42N–.08 41.17E–.05 10 23 1-3
ISCJB X 20 15 28 24.1–1.3 42.41N–.08 41.18E–.05 10 ¶11661441
CSEM X 20 15 28 24.2 42.31N 41.06E 5 3.1L
ISK X 20 15 28 24.2 42.31N 41.06E 5 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=5.1km az=167.2.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC X 27 12 26 52.5–.37 42.44N–.02 44.61E–.03 5–7 65 0-2
MOS X 27 12 26 51.8–1.5 42.41N 44.47E 21 3.9b ¶13581623
CSEM X 27 12 26 52.0–.17 42.44N 44.60E 2 3.9b
ISC Event type ke.
MOS Error ellipse: s-maj=13.5km s-min=8.7km az=94.3.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=74.0.
ISC XI 02 21 59 46.8–1.1 42.61N–.07 43.36E–.05 10 25 0-2
DDA XI 02 21 59 45.9 42.23N 43.63E 6–4 2.7 ¶14011169
TIF XI 02 21 59 45.8 42.59N 43.38E 12–1 2.7
ISCJB XI 02 21 59 46.2–1.3 42.63N–.08 43.33E–.05 10 2.7
CSEM XI 02 21 59 46.2–2.1 42.76N 43.21E 15 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=4.7km az=174.3.
CSEM Event type ke. Error ellipse: s-maj=170.9km s-min=44.8km az=123.0.
ISC XI 04 04 20 19.0–.23 44.42N–.02 43.84E–.03 10 3.9b,2.9s 233 1-48
ISCJB XI 04 04 20 17.4–.23 44.47N–.02 43.86E–.03 10 3.9b,2.8s ¶13399172
MOS XI 04 04 20 17.8–1.8 44.46N 43.83E 10 4.1b,2.8s
IDC XI 04 04 20 17.8–1.1 44.26N 43.76E 0 3.9L,3.9
CSEM XI 04 04 20 18.1–.12 44.43N 43.83E 2 4.1b,4.0b
NEIC XI 04 04 20 19.1–.45 44.38N 43.82E 10 4.2b,4.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.2km az=158.9.
MOS Event type fe. Error ellipse: s-maj=6.6km s-min=3.9km az=102.0. Felt (III) at Zelenokumsk, Soldato-Aleksandrovskoye, Otkaznoye. Moment Tensor Solution.
IDC Error ellipse: s-maj=25.1km s-min=11.2km az=174.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=58.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.1km az=175.0.
MOS XI 04 17 41 19.9–2.4 44.92N 37.36E 16 3.4b
CSEM XI 04 17 41 20.0–.26 44.93N 37.35E 2 3.4b ¶13831845
MOS Event type fe. Error ellipse: s-maj=15.6km s-min=13.3km az=174.6. Felt (III) at Anapa. Moment Tensor Solution.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=5.9km az=2.0.
ISC XI 05 04 28 39.9–.60 43.31N–.04 40.96E–.03 0–5 84 0-5
MOS XI 05 04 28 39.9–3.0 43.42N 41.11E 17 3.9b ¶13832223
CSEM XI 05 04 28 41.4–.30 43.23N 40.87E 2 3.6L
DDA XI 05 04 28 43.8 42.94N 40.99E 11–1 3.4,3.3L
ISC Event type ke.
MOS Error ellipse: s-maj=17.6km s-min=11.8km az=8.2.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=9.0.
ISC XI 07 19 33 53.2–.60 43.60N–.05 40.89E–.04 10 76 1-4
ISCJB XI 07 19 33 53.1–.60 43.55N–.05 40.87E–.04 10 ¶13832624
CSEM XI 07 19 33 55.0 43.59N 40.91E 18 4.1b
MOS XI 07 19 33 55.0–2.6 43.59N 40.91E 18 4.1b
ISCJB Error ellipse: s-maj=7.8km s-min=4.1km az=13.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
MOS Error ellipse: s-maj=21.6km s-min=7.2km az=9.6.
ISC XI 08 03 10 43.5–.74 43.32N–.03 40.86E–.02 1–6 119 1-5
ISCJB XI 08 03 10 42.9–.80 43.29N–.03 40.84E–.02 1–7 ¶13832651
CSEM XI 08 03 10 44.2–.17 43.26N 40.84E 2 4.1b
MOS XI 08 03 10 44.0–2.1 43.49N 40.90E 15 4.1b
DDA XI 08 03 10 48.6 42.82N 41.14E 14–3 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=2.9km az=170.9.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=160.0.
MOS Error ellipse: s-maj=16.9km s-min=7.3km az=2.2.
ISC XI 13 18 13 29.6–2.3 42.6N–.20 42.2E–.10 10 7 1-2
¶15673325
CSEM XI 19 22 16 04.8 41.27N 44.04E 0 1.4L
¶15108666
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIF.
MOS XI 28 01 36 22.4–.37 44.52N 43.28E 14 3.9b
CSEM XI 28 01 36 22.0 44.52N 43.28E 14 3.9b ¶13836836
MOS Error ellipse: s-maj=16.7km s-min=6.5km az=103.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After OBN.
TIF XI 28 01 52 24.0 42.52N 44.80E 10
CSEM XI 28 01 52 24.0 42.52N 44.80E 0 1.7L ¶14626393
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIF.
ISC XII 03 19 24 23.8–.29 43.28N–.02 43.90E–.02 5–2 135 0-5
TIF XII 03 19 24 21.9 43.30N 43.96E 13–2 ¶13875693
ISCJB XII 03 19 24 23.3–.32 43.28N–.02 43.90E–.02 6–2
CSEM XII 03 19 24 23.4–.13 43.27N 43.90E 5 4.1b
MOS XII 03 19 24 23.1–1.4 43.28N 43.95E 9 4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.4km az=4.7.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=9.0.
MOS Event type fe. Error ellipse: s-maj=7.3km s-min=5.7km az=43.2. Felt (II-III) at Verchnyaya Balkariya. Moment Tensor Solution.
ISC XII 04 01 30 07.2–.50 41.77N–.05 44.36E–.04 4–7 40 0-2
TIF XII 04 01 30 05.8 41.80N 44.40E 18–0 ¶14259838
ISCJB XII 04 01 30 06.9–.53 41.77N–.04 44.37E–.04 6–6
CSEM XII 04 01 30 06.5–.16 41.78N 44.38E 10 2.2L
DDA XII 04 01 30 07.7 41.61N 44.55E 11–0 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.3km az=20.5.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=11.0.
ISC XII 08 07 26 23.0–.38 43.34N–.02 44.20E–.03 3–4 80 0-5
MOS XII 08 07 26 21.7–1.0 43.33N 44.18E 7 4.3b ¶13875699
ISCJB XII 08 07 26 22.5–.39 43.34N–.02 44.16E–.03 2–4 4.3b
CSEM XII 08 07 26 22.6–.21 43.32N 44.17E 2 4.3b
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=9.1km s-min=6.9km az=117.5. Felt (III-IV) at El'khotovo. Moment Tensor Solution.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.1km az=33.8.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=33.0.
ISC XII 21 12 15 11.3–.33 43.32N–.02 44.67E–.02 8–3 97 0-2
TIF XII 21 12 15 08.1 43.40N 44.74E 12–4 ¶13900117
ISCJB XII 21 12 15 11.0–.37 43.32N–.02 44.66E–.02 4–3
CSEM XII 21 12 15 10.9–.15 43.30N 44.68E 5 4.1b
MOS XII 21 12 15 10.4–.69 43.31N 44.61E 13 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=12.1.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=10.0.
MOS Error ellipse: s-maj=8.0km s-min=6.7km az=132.0.
ISC XII 30 06 14 00.3–.40 42.75N–.02 41.94E–.03 10 81 1-21
ISCJB XII 30 06 13 59.8–.38 42.76N–.02 41.97E–.03 10 ¶13900422
TIF XII 30 06 13 59.4 42.80N 41.98E 9–0
CSEM XII 30 06 13 59.2–.18 42.73N 41.90E 2 3.8b
MOS XII 30 06 14 01.3–1.4 42.89N 41.93E 9 3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=26.7.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=148.0.
MOS Error ellipse: s-maj=9.8km s-min=8.9km az=21.8.
ISC XII 30 06 18 30.6–.52 42.74N–.02 41.84E–.02 2–4 3.4b 165 1-73
MOS XII 30 06 18 29.7–.84 42.73N 41.73E 11 4.3b ¶12079496
IDC XII 30 06 18 30.3–.86 42.86N 41.75E 0 3.5,3.5
ISCJB XII 30 06 18 30.0–.60 42.76N–.02 41.78E–.02 7–4 3.4b,3.5
TIF XII 30 06 18 30.0 42.80N 41.93E 11–0 3.4b,3.5
CSEM XII 30 06 18 30.4–.12 42.74N 41.84E 2 4.3b,3.5
DDA XII 30 06 18 38.0 42.28N 41.45E 6–0 3.7,3.5
ISC Event type ke.
MOS Error ellipse: s-maj=7.4km s-min=6.5km az=167.6.
IDC Error ellipse: s-maj=17.7km s-min=11.9km az=43.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=150.5.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=157.0.
ISC XII 30 14 04 08.2–.68 42.75N–.03 41.86E–.03 5–5 85 1-7
ISCJB XII 30 14 04 07.6–.72 42.75N–.03 41.81E–.03 6–5 ¶13900423
TIF XII 30 14 04 07.2 42.82N 41.92E 12–0
CSEM XII 30 14 04 07.5–.19 42.71N 41.90E 2 4.0b
MOS XII 30 14 04 11.0–1.8 42.96N 41.95E 12 4.0b
DDA XII 30 14 04 21.4 42.16N 41.24E 3–0 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=138.6.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=146.0.
MOS Error ellipse: s-maj=10.4km s-min=8.9km az=153.0.
ISC XII 30 15 16 24.0–.34 42.75N–.02 41.92E–.03 10 65 1-4
ISCJB XII 30 15 16 23.3–.34 42.77N–.02 41.87E–.03 10 ¶13900424
TIF XII 30 15 16 23.3 42.80N 41.98E 12–0
CSEM XII 30 15 16 23.1–.19 42.71N 41.90E 2 3.9b
MOS XII 30 15 16 24.5–.94 42.79N 41.88E 7 3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=133.0.
MOS Error ellipse: s-maj=13.0km s-min=9.3km az=135.8.

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ISC VII 06 12 21 03.4–.45 41.21N–.02 23.11E–.04 7–8 41 0-2
CSEM VII 06 12 21 03.1–.16 41.22N 23.14E 2 1.9L ¶11746903
THE VII 06 12 21 03.2 41.22N 23.14E 2–3 2.9L
SKO VII 06 12 21 03.7 41.22N 23.12E 4 1.8L,1.3
BEO VII 06 12 21 05.8–.73 41.30N 23.05E 1–4 1.9L,1.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.4km az=66.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.6km az=210.0.
ISC VII 07 02 07 40.6–.45 41.58N–.02 23.43E–.04 13–5 55 1-2
CSEM VII 07 02 07 40.7–.14 41.58N 23.45E 15 2.7L ¶11746910
ISCJB VII 07 02 07 41.8–.50 41.55N–.02 23.46E–.05 25–6 2.7L
BEO VII 07 02 07 41.8–.47 41.63N 23.40E 9–5 1.8L
SKO VII 07 02 07 41.1 41.71N 23.52E 2 1.7L,1.5
THE VII 07 02 07 41.7 41.55N 23.42E 20–1 2.7L,1.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=97.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=175.3.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=269.0.
ISC VII 08 00 18 27.5–.44 41.41N–.02 23.05E–.03 6–4 70 0-2
CSEM VII 08 00 18 27.3–.12 41.40N 23.07E 5 1.7L ¶11746929
THE VII 08 00 18 27.6 41.39N 23.09E 1–1 2.7L
SKO VII 08 00 18 28.7 41.48N 23.12E 4 2.0L,1.8
BEO VII 08 00 18 28.3–.54 41.40N 22.98E 9–4 1.9L,1.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=85.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=276.0.
ISC VII 11 02 06 28.3–.43 41.36N–.02 23.60E–.04 14–5 53 1-2
CSEM VII 11 02 06 28.4–.16 41.37N 23.58E 15 2.5L ¶11746964
ISCJB VII 11 02 06 30.9–.40 41.26N–.03 23.60E–.04 33 2.5L
THE VII 11 02 06 30.1 41.24N 23.71E 8–0 2.5L
BEO VII 11 02 06 31.4–.62 41.42N 23.49E 0–0 1.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=14.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=163.0.
ISC VII 15 06 40 29.5–.44 41.16N–.02 23.91E–.04 10–7 42 0-2
ISCJB VII 15 06 40 28.7–.53 41.19N–.03 23.89E–.03 8–6 ¶11747015
CSEM VII 15 06 40 29.2–.17 41.15N 23.91E 15 2.7L
THE VII 15 06 40 29.8 41.11N 23.95E 1–2 2.7L
SKO VII 15 06 40 30.4 41.17N 23.91E 0 2.7L
BEO VII 15 06 40 31.2–.76 41.18N 23.85E 28–7 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.2km az=34.9.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=98.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=334.0.
ISC VII 25 17 27 32.0–.42 41.21N–.02 23.14E–.03 1–7 78 0-2
SKO VII 25 17 27 30.4 41.20N 23.14E 15 1.8L,1.4 ¶11747158
CSEM VII 25 17 27 31.7–.11 41.20N 23.15E 2 2.8L,1.4
THE VII 25 17 27 31.7 41.20N 23.14E 3–1 2.8L,1.4
BEO VII 25 17 27 32.0–.81 41.17N 23.13E 0–0 1.9L,1.4
ATH VII 25 17 27 34.7 41.04N 23.59E 5 3.0,1.4
NEIC VII 25 17 27 34.7 41.04N 23.59E 5 3.0,1.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=61.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=194.0.
NEIC Event type se. After ATH.
ISC VIII 05 07 26 09.2–.32 41.50N–.01 23.32E–.03 10–3 99 0-5
ISCJB VIII 05 07 26 08.3–.40 41.52N–.02 23.28E–.03 6–4 ¶11747286
CSEM VIII 05 07 26 09.1–.10 41.50N 23.32E 10 2.8L
SOF VIII 05 07 26 09.0 41.55N 23.35E 13 2.9
THE VIII 05 07 26 09.5 41.48N 23.33E 9–1 2.8L
SKO VIII 05 07 26 10.2 41.49N 23.33E 0 2.5L,2.2
BEO VIII 05 07 26 10.0–.79 41.48N 23.28E 14–5 3.1L,2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=170.2.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=81.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=245.0.
ISC VIII 11 07 49 09.2–.67 41.65N–.03 23.80E–.04 10–5 46 1-2
ISCJB VIII 11 07 49 08.3–.66 41.66N–.02 23.79E–.04 2–5 ¶11747358
CSEM VIII 11 07 49 08.9–.18 41.65N 23.80E 10 2.3L
SKO VIII 11 07 49 10.0 41.69N 23.71E 2 2.3L
BEO VIII 11 07 49 09.3–1.5 41.62N 23.84E 15–6 2.5L
THE VIII 11 07 49 09.2 41.64N 23.79E 9–1 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=155.9.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=69.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=277.0.
ISC VIII 21 13 15 01.9–.59 41.15N–.03 24.35E–.04 5–8 45 0-3
BEO VIII 21 13 14 54.7–1.8 40.62N 24.71E 5–8 2.3L ¶11747471
CSEM VIII 21 13 15 01.9–.24 41.09N 24.34E 8 1.6L
ATH VIII 21 13 15 01.3 41.17N 24.34E 5 3.1
SKO VIII 21 13 15 02.7 41.13N 24.36E 1 1.8L,1.5
THE VIII 21 13 15 02.5 41.10N 24.32E 3–3 1.6L,1.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=178.0.
ATH Error ellipse: s-maj=3.5km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=213.0.
ISC IX 02 01 57 26.7–.38 41.63N–.02 24.01E–.02 3–3 176 0-5
NEIC IX 02 01 57 25.9 41.65N 23.99E 16 3.3 ¶11747574
SOF IX 02 01 57 25.4 41.62N 24.03E 18 3.1
ATH IX 02 01 57 25.9 41.65N 23.99E 16–1 3.3
ISCJB IX 02 01 57 26.1–.42 41.64N–.01 24.02E–.02 5–3 3.3
THE IX 02 01 57 26.8 41.62N 23.99E 7–1 3.0L
CSEM IX 02 01 57 26.5–.09 41.63N 24.02E 2 3.3
SKO IX 02 01 57 27.6 41.65N 23.96E 5 2.7L,2.4
BEO IX 02 01 57 28.4–.56 41.62N 24.06E 15–3 3.1L,2.4
ISC Event type ke.

NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.0km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=173.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=327.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=93.0.

ISC	**IX**	**14 21 34 29.0–.34**	**41.40N–.02**	**23.19E–.02**	**3–4**		**85**	**0-2**
SOF	IX	14 21 34 28.3	41.44N	23.24E	20	2.5		¶11747735
SKO	IX	14 21 34 28.3	41.42N	23.19E	15	2.1L,1.9		
CSEM	IX	14 21 34 28.7–.12	41.41N	23.20E	2	2.3L,1.9		
BEO	IX	14 21 34 29.7–.61	41.37N	23.13E	3–3	2.2L,1.9		
THE	IX	14 21 34 29.0	41.39N	23.20E	2–1	2.3L,1.9		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=114.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=237.0.

ISC	**IX**	**21 07 18 29.4–.37**	**41.89N–.02**	**23.22E–.03**	**4–4**		**106**	**0-3**
SOF	IX	21 07 18 28.1	41.90N	23.21E	16	2.6		¶11747804
SKO	IX	21 07 18 28.3	41.88N	23.22E	24	2.2L,1.8		
CSEM	IX	21 07 18 29.1–.12	41.88N	23.21E	5	2.6,1.8		
BEO	IX	21 07 18 29.2–2.4	41.86N	23.21E	2–2	2.2L,1.8		
THE	IX	21 07 18 29.3	41.87N	23.22E	2–1	2.4L,1.8		
ATH	IX	21 07 18 33.7	41.66N	23.45E	5–4	3.3,1.8		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=101.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=287.0.
ATH Error ellipse: s-maj=2.4km s-min=1.9km az=-1.0.

ISC	**IX**	**28 23 02 14.1–.58**	**41.16N–.03**	**24.27E–.04**	**0–6**		**48**	**0-2**
CSEM	IX	28 23 02 13.4–.26	41.15N	24.25E	2	1.9L		¶11747905
ATH	IX	28 23 02 13.1	41.23N	24.20E	27–7	3.1		
THE	IX	28 23 02 14.1	41.15N	24.25E	0–3	1.9L		
BEO	IX	28 23 02 15.1–1.2	41.03N	23.98E	0–0	2.1L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=5.2km az=104.0.
ATH Error ellipse: s-maj=2.5km s-min=6.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.1km az=158.0.

ISC	**IX**	**29 14 20 49.5–.53**	**41.15N–.03**	**24.36E–.04**	**10–6**		**52**	**0-3**
ATH	IX	29 14 20 47.3	41.21N	24.34E	31–3	3.1		¶11747912
ISCJB	IX	29 14 20 48.6–.53	41.17N–.03	24.35E–.04	9–7	3.1		
CSEM	IX	29 14 20 48.9–.30	41.16N	24.38E	9–0	1.9L		
THE	IX	29 14 20 50.1	41.13N	24.35E	8–1	1.9L		
BEO	IX	29 14 20 51.9–1.2	40.96N	23.52E	0–0	2.0L		

ISC Event type ke.
ATH Error ellipse: s-maj=4.0km s-min=1.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.9km az=137.4.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.4km az=14.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=204.0.

ISC	**X**	**06 16 40 00.6–.53**	**41.04N–.03**	**25.73E–.03**	**9–4**		**91**	**0-3**
ATH	X	06 16 39 58.2	41.18N	25.78E	31–8	3.2		¶13396235
ISCJB	X	06 16 39 60.0–.58	41.05N–.03	25.73E–.03	6–5	3.2		
CSEM	X	06 16 40 00.6–.15	41.04N	25.73E	8	2.6L		
DDA	X	06 16 40 00.6	41.02N	25.88E	10–5	2.7		
THE	X	06 16 40 01.2	41.00N	25.73E	7–1	2.6L		

ISC Event type ke.
ATH Error ellipse: s-maj=7.9km s-min=9.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=29.2.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=13.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=37.0.

ISC	**X**	**18 20 38 45.7–.42**	**41.79N–.02**	**23.48E–.03**	**1–4**		**100**	**0-4**
SOF	X	18 20 38 45.4	41.80N	23.52E	4	2.6		¶11749051
CSEM	X	18 20 38 45.7–.10	41.77N	23.48E	2	2.6		
ISCJB	X	18 20 38 45.2–.52	41.78N–.02	23.49E–.03	1–4	2.6		
THE	X	18 20 38 46.2	41.75N	23.50E	2–1	2.7L		
SKO	X	18 20 38 46.7	41.78N	23.44E	2	2.8L,2.4		
BEO	X	18 20 38 50.3–.83	41.91N	22.93E	0–0	2.4L,2.4		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=24.9.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=291.0.

ISC	**XI**	**24 07 56 16.4–.43**	**41.92N–.02**	**23.21E–.04**	**1–8**		**49**	**0-2**
SOF	XI	24 07 56 15.4	41.95N	23.33E	0	2.7		¶11751125
CSEM	XI	24 07 56 16.1–.10	41.92N	23.21E	2	1.8L		
THE	XI	24 07 56 16.3	41.91N	23.20E	2–2	2.3L		
BEO	XI	24 07 56 18.0–.81	41.97N	23.21E	0–0	1.8L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=76.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=276.0.

ISC	**XI**	**25 20 46 59.3–.50**	**41.81N–.03**	**23.29E–.05**	**2–11**		**33**	**1-3**
CSEM	XI	25 20 46 59.0–.17	41.81N	23.30E	2	3.2		¶11751180
ATH	XI	25 20 46 59.7	41.81N	23.42E	12–2	3.2		
BEO	XI	25 20 47 02.0–.79	41.94N	23.34E	16–9	2.0L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=2.6km az=63.0.
ATH Error ellipse: s-maj=1.9km s-min=1.4km az=-1.0.

ISC	**XI**	**28 22 08 36.1–.42**	**41.21N–.02**	**23.14E–.03**	**10–4**		**81**	**0-2**
ISCJB	XI	28 22 08 35.6–.43	41.21N–.02	23.14E–.03	8–3			¶13401416
CSEM	XI	28 22 08 35.7–.10	41.23N	23.13E	8	2.1L		
SKO	XI	28 22 08 35.2	41.19N	23.20E	1	1.7L,1.3		
ATH	XI	28 22 08 35.6	41.20N	23.17E	21–1	3.1,1.3		
THE	XI	28 22 08 36.2	41.21N	23.15E	6–0	2.1L,1.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=8.4.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=1.0.
ATH Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=193.0.

ISC	**XI**	**29 01 53 36.6–.33**	**41.94N–.02**	**23.11E–.03**	**3–4**		**99**	**0-3**
CSEM	XI	29 01 53 36.4–.15	41.95N	23.11E	5	2.6		¶11751299
SOF	XI	29 01 53 37.0	41.98N	23.24E	5	2.6		
BEO	XI	29 01 53 37.0–.73	41.96N	23.13E	8–6	2.3L		
SKO	XI	29 01 53 37.1	41.93N	23.15E	9	2.3L,2.0		
THE	XI	29 01 53 37.1	41.91N	23.10E	2–3	2.6L,2.0		
ATH	XI	29 01 53 38.1	41.87N	23.20E	4–3	3.0,2.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=61.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.7km az=273.0.
ATH Error ellipse: s-maj=2.6km s-min=2.1km az=-1.0.

ISC	**XI**	**30 18 12 08.1–.37**	**41.96N–.02**	**23.13E–.03**	**4–4**		**81**	**0-3**
CSEM	XI	30 18 12 07.9–.14	41.96N	23.14E	2	2.7		¶11751424
SOF	XI	30 18 12 08.1	41.99N	23.24E	1	2.7		
THE	XI	30 18 12 08.2	41.95N	23.17E	2–3	2.5L		
BEO	XI	30 18 12 10.0–.81	42.03N	23.14E	9–5	2.1L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=80.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.4km az=265.0.

ISC	**XII**	**02 04 38 48.7–.31**	**41.09N–.02**	**23.33E–.02**	**6–3**		**111**	**0-2**
SOF	XII	02 04 38 47.2	41.04N	23.33E	6	2.7		¶11751472
ATH	XII	02 04 38 47.4	41.09N	23.28E	20–1	3.6		
THE	XII	02 04 38 48.9	41.07N	23.35E	1–1	3.0L		
CSEM	XII	02 04 38 48.4–.10	41.08N	23.34E	5	3.0L		
ISCJB	XII	02 04 38 48.2–.35	41.08N–.02	23.33E–.02	4–3	3.0L		
SKO	XII	02 04 38 49.1	41.10N	23.33E	4	2.6L,2.4		
BEO	XII	02 04 38 55.8–1.2	41.34N	23.28E	0–0	2.8L,2.4		

ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=219.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=28.7.

ISC	**XII**	**03 19 03 19.1–1.2**	**41.24N–.06**	**25.51E–.04**	**2–7**		**54**	**0-2**
DDA	XII	03 19 03 17.1	41.04N	25.88E	7–97	2.9		¶11751577
CSEM	XII	03 19 03 18.9–.14	41.25N	25.50E	2	2.7		
ATH	XII	03 19 03 19.5	41.17N	25.48E	3–1	2.7		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=5.0.
ATH Error ellipse: s-maj=3.7km s-min=0.9km az=-1.0.

ISC	**XII**	**06 09 00 35.8–.33**	**41.66N–.01**	**23.86E–.02**	**5–3**		**182**	**0-6**
ISCJB	XII	06 09 00 34.8–.38	41.67N–.01	23.87E–.02	3–3			¶11751603
SOF	XII	06 09 00 34.7	41.67N	23.94E	12	3.3		
THE	XII	06 09 00 35.5	41.64N	23.90E	2–1	3.3L		
SKO	XII	06 09 00 35.5	41.57N	24.00E	16	3.1L,3.0		
CSEM	XII	06 09 00 35.2–.12	41.66N	23.89E	2	3.3,3.0		
ATH	XII	06 09 00 35.1	41.67N	23.84E	20–1	3.4,3.0		
BEO	XII	06 09 00 36.9–1.4	41.56N	23.61E	5–6	3.3L,3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=15.7.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=306.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=105.0.
ATH Error ellipse: s-maj=1.8km s-min=1.1km az=-1.0.

ISC	**XII**	**06 09 23 11.6–.34**	**41.66N–.01**	**23.86E–.02**	**2–2**		**183**	**0-6**
ISCJB	XII	06 09 23 10.8–.39	41.68N–.01	23.85E–.02	2–3			¶11751604
SOF	XII	06 09 23 10.6	41.67N	23.93E	13	3.1		
ATH	XII	06 09 23 11.9	41.63N	23.83E	24–1	3.4		
CSEM	XII	06 09 23 11.2–.11	41.66N	23.88E	2	3.1		
THE	XII	06 09 23 11.6	41.64N	23.90E	1–1	3.2L		
SKO	XII	06 09 23 12.3	41.65N	23.89E	3	3.0L,2.7		
BEO	XII	06 09 23 14.2–1.2	41.59N	23.52E	4–4	3.2L,2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=11.4.
ATH Error ellipse: s-maj=1.9km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=111.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=319.0.

ISC	**XII**	**16 14 49 15.3–1.1**	**41.25N–.04**	**23.22E–.03**	**12–23**		**50**	**0-1**
CSEM	XII	16 14 49 14.8–.16	41.26N	23.21E	14–0	1.6L		¶13402940
ISCJB	XII	16 14 49 15.1–.62	41.24N–.04	23.22E–.03	6–7	1.6L		
THE	XII	16 14 49 15.6	41.23N	23.23E	2–30	1.6L		
SKO	XII	16 14 49 16.3	41.31N	23.20E	2	1.4L,1.1		
ATH	XII	16 14 49 16.9	41.16N	23.40E	22–0	2.6,1.1		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=179.7.
THE Event type ke. Error ellipse: s-maj=30.3km s-min=0.5km az=0.0.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.

ISC	**XII**	**20 01 20 32.4–.43**	**41.91N–.02**	**23.12E–.04**	**1–5**		**74**	**1-3**
CSEM	XII	20 01 20 32.3–.13	41.91N	23.12E	2	2.1L		¶11751748
THE	XII	20 01 20 33.0	41.88N	23.11E	5–0	2.3L		
SKO	XII	20 01 20 33.1	41.93N	23.03E	6	2.2L,2.0		
ATH	XII	20 01 20 34.1	41.81N	23.15E	5–3	3.4,2.0		
BEO	XII	20 01 20 35.4–.80	41.99N	23.08E	5	2.1L,2.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=73.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=297.0.
ATH Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0.

ISC	**XII**	**20 01 24 24.1–.34**	**41.91N–.02**	**23.11E–.04**	**10**		**59**	**0-3**
SOF	XII	20 01 24 22.4	41.92N	23.11E	19	2.6		¶11751749
ISCJB	XII	20 01 24 23.1–.35	41.92N–.02	23.05E–.04	10	2.6		
CSEM	XII	20 01 24 23.9–.14	41.91N	23.12E	2	1.5L		
THE	XII	20 01 24 24.2	41.88N	23.12E	4–1	2.0L		
SKO	XII	20 01 24 24.6	41.92N	23.07E	5	1.9L,1.6		
BEO	XII	20 01 24 26.0–.94	41.96N	23.12E	5	1.5L,1.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.3km az=157.4.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=62.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=284.0.

ISC	**XII**	**23 10 35 06.3–.50**	**41.33N–.03**	**24.01E–.04**	**0–14**		**41**	**0-2**
SOF	XII	23 10 35 03.6	41.16N	24.00E	6	2.5		¶11751802
CSEM	XII	23 10 35 05.9–.15	41.33N	24.02E	2	2.0L		
ISCJB	XII	23 10 35 05.6–.55	41.32N–.03	23.99E–.04	10–8	2.0L		
THE	XII	23 10 35 06.2	41.33N	24.01E	2–23	2.0L		
BEO	XII	23 10 35 09.2–1.2	41.25N	23.82E	0–0	1.9L		
SKO	XII	23 10 35 10.8	41.40N	23.76E	4	1.8L,1.5		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=36.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=139.4.
THE Event type ke. Error ellipse: s-maj=23.0km s-min=0.6km az=350.0.

THE	**XII**	**24 05 00 45.3**	**41.67N**	**23.77E**	**3–0**	**3.0L**		
ATH	XII	24 05 00 44.1	41.72N	23.88E	21–1	3.4		¶11751819
CSEM	XII	24 05 00 45.3–.12	41.67N	23.81E	8	3.0L		
SKO	XII	24 05 00 45.7	41.64N	23.85E	9	2.8L,2.5		
BEO	XII	24 05 00 46.6–.84	41.55N	23.52E	0–0	3.2L,2.5		

THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=303.0.
ATH Error ellipse: s-maj=3.6km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.5km az=43.0.

ATH	**XII**	**29 20 40 07.6**	**41.26N**	**24.39E**	**24–0**	**3.1**		
CSEM	XII	29 20 40 08.3–.49	41.38N	24.34E	30	3.1		¶13404359

ATH Error ellipse: s-maj=0.8km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=19.3km s-min=5.9km az=177.0.

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ISC	**VII**	**01 10 17 46.6–.32**	**40.67N–.02**	**21.52E–.02**	**9–3**		**155**	**0-4**
SOF	VII	01 10 17 41.9	40.54N	21.41E	2	2.9		¶11255400
NEIC	VII	01 10 17 45.8	40.67N	21.55E	23	3.5		
SKO	VII	01 10 17 45.6	40.59N	21.48E	2	3.0L,2.5		
ATH	VII	01 10 17 45.8	40.67N	21.55E	23–1	3.5,2.5		
ISCJB	VII	01 10 17 45.9–.32	40.67N–.02	21.51E–.02	8–3	3.5,2.5		
THE	VII	01 10 17 46.4	40.66N	21.52E	2–1	3.7L,2.5		
CSEM	VII	01 10 17 46.2–.11	40.67N	21.53E	8	3.7L,2.5		
TIR	VII	01 10 17 50.5–2.9	40.81N	20.48E	2–364	3.2L,2.5		

ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=138.6.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=288.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=22.0.
TIR Error ellipse: s-maj=5.0km s-min=29.9km az=-1.0.

ISC	**VII**	**01 10 48 20.9–.66**	**40.67N–.03**	**21.50E–.06**	**18–7**		**32**	**0-1**
ISCJB	VII	01 10 48 20.8–.57	40.66N–.03	21.50E–.05	13–6			¶13379028
SKO	VII	01 10 48 20.0	40.67N	21.53E	15	2.2L,1.8		
THE	VII	01 10 48 21.3	40.66N	21.50E	9–2	3.3L,1.8		
CSEM	VII	01 10 48 21.3	40.66N	21.50E	9	3.3L,1.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=155.5.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=300.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.

ISC	**VII**	**01 12 31 57.4–.42**	**40.63N–.02**	**21.54E–.03**	**1–4**		**112**	**0-4**
ISCJB	VII	01 12 31 56.8–.43	40.63N–.02	21.55E–.03	0–4			¶11255401
ATH	VII	01 12 31 57.4	40.65N	21.52E	23–1	3.5		
THE	VII	01 12 31 57.6	40.66N	21.47E	15–1	3.7L		
CSEM	VII	01 12 31 57.1–.15	40.65N	21.52E	5	3.7L		
NEIC	VII	01 12 31 57.4	40.65N	21.52E	23	3.5		
SKO	VII	01 12 31 57.7	40.61N	21.51E	0	2.7L,2.3		
TIR	VII	01 12 31 58.1–3.3	40.74N	21.35E	6–14	4.0L,2.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=162.0.
ATH Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=277.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=64.0.
NEIC Event type se. After ATH.
TIR Error ellipse: s-maj=10.5km s-min=25.9km az=-1.0.

ISC	**VII**	**01 18 46 27.4–.29**	**38.22N–.02**	**21.59E–.02**	**27–2**	**3.5b**	**212**	**0-60**
IDC	VII	01 18 46 23.5–3.3	38.58N	21.86E	0	3.5,3.5		¶12950823
ATH	VII	01 18 46 26.3	38.22N	21.58E	34–0	3.1,3.0L		
NEIC	VII	01 18 46 27.4	38.23N	21.61E	12	3.4L,3.0L		
CSEM	VII	01 18 46 27.3–.16	38.24N	21.59E	24–1	3.0L,3.0L		
ISCJB	VII	01 18 46 27.1–.29	38.22N–.02	21.59E–.02	30–2	3.5b,3.0L		
THE	VII	01 18 46 27.8	38.22N	21.59E	23–1	3.9L,3.0L		

ISC Event type ke.
IDC Error ellipse: s-maj=72.9km s-min=25.0km az=54.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=39.3.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=67.0.

ISC	**VII**	**01 18 47 09.2–.28**	**38.71N–.02**	**22.84E–.02**	**12–2**		**146**	**0-4**
ISCJB	VII	01 18 47 08.6–.27	38.70N–.02	22.84E–.02	10–2			**¶11799193**
CSEM	VII	01 18 47 08.7–.11	38.71N	22.84E	12	4.0L		
NEIC	VII	01 18 47 08.4	38.72N	22.85E	25	3.7L		
ATH	VII	01 18 47 08.4	38.72N	22.85E	25–0	3.7L,3.6		
THE	VII	01 18 47 09.3	38.70N	22.82E	8–0	4.0L,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=141.5.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=115.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=169.0.

ISC	**VII**	**01 18 50 19.9–.34**	**38.24N–.02**	**21.56E–.03**	**22–3**		**165**	**0-8**
ISCJB	VII	01 18 50 19.7–.33	38.25N–.02	21.56E–.03	25–2			**¶12950822**
ATH	VII	01 18 50 19.0	38.24N	21.55E	30–0	3.4,3.0L		
NEIC	VII	01 18 50 19.0	38.24N	21.55E	30	3.0L,3.0L		
CSEM	VII	01 18 50 19.7–.14	38.24N	21.57E	20	3.5L,3.0L		
THE	VII	01 18 50 20.2	38.21N	21.60E	20–0	3.5L,3.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=166.9.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=16.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=162.0.

ISC	**VII**	**01 20 09 06.3–.46**	**38.23N–.04**	**21.60E–.04**	**27–3**		**66**	**0-2**
ATH	VII	01 20 09 05.5	38.24N	21.56E	30–0	2.6,2.3L		**¶13379083**
ISCJB	VII	01 20 09 06.2–.46	38.23N–.04	21.60E–.04	27–3	2.6,2.3L		
CSEM	VII	01 20 09 06.4–.17	38.26N	21.59E	22–1	2.3L,2.3L		
THE	VII	01 20 09 06.5	38.25N	21.59E	18–0	2.5L,2.3L		

ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=151.1.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=151.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=359.0.

ISC	**VII**	**01 20 59 34.0–.55**	**40.65N–.03**	**21.47E–.05**	**18–5**		**32**	**0-1**
ISCJB	VII	01 20 59 34.2–.53	40.64N–.03	21.44E–.05	15–11			**¶13379093**
CSEM	VII	01 20 59 34.1	40.65N	21.45E	14	3.0L		
THE	VII	01 20 59 34.1	40.65N	21.45E	14–1	3.0L		
SKO	VII	01 20 59 34.9	40.75N	21.41E	19	1.8L,1.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=166.8.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=22.0.

ISC	**VII**	**01 21 08 28.8–.48**	**38.87N–.02**	**23.53E–.04**	**13–7**		**56**	**0-2**
ISCJB	VII	01 21 08 28.3–.46	38.87N–.02	23.53E–.03	8–7			**¶13379096**
CSEM	VII	01 21 08 28.4–.12	38.86N	23.54E	15	2.3L		
ATH	VII	01 21 08 28.4	38.87N	23.47E	28–1	2.6,2.0L		
THE	VII	01 21 08 28.9	38.85N	23.51E	8–1	2.3L,2.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=6.1.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=108.0.
ATH Error ellipse: s-maj=0.7km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=331.0.

THE	**VII**	**02 02 01 29.2**	**38.11N**	**22.67E**	**7–1**	**2.4L**		
CSEM	VII	02 02 01 29.2	38.11N	22.67E	7	2.4L		**¶14686295**

THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=231.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.

THE	**VII**	**02 08 09 35.8**	**40.39N**	**22.09E**	**0–4**	**2.7L**		
CSEM	VII	02 08 09 35.8	40.39N	22.09E	0	2.7L		**¶13562684**

THE Event type ke. Error ellipse: s-maj=5.1km s-min=0.9km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.

ISC	**VII**	**02 16 18 52.8–.24**	**38.34N–.01**	**21.79E–.02**	**7–2**	**4.0b,3.0s**	**451**	**0-78**
IDC	VII	02 16 18 50.7–.80	38.39N	21.75E	0	4.0,4.0b		**¶13379197**
ISCJB	VII	02 16 18 51.8–.23	38.35N–.01	21.75E–.02	11–2	4.0b,3.0s		
THE	VII	02 16 18 52.5	38.36N	21.76E	8–0	4.2L,3.0s		
NEIC	VII	02 16 18 52.1	38.34N	21.78E	13	4.0b,3.8L		
ATH	VII	02 16 18 52.1	38.34N	21.78E	13–1	3.7L,3.6		
CSEM	VII	02 16 18 52.4–.12	38.32N	21.80E	8	4.0b,3.6		
PDG	VII	02 16 18 52.3–.62	38.35N	21.77E	8–1	3.8L,3.6		
MOS	VII	02 16 18 54.5–1.1	38.37N	21.82E	33	4.2b,3.6		

ISC Event type fe.
IDC Error ellipse: s-maj=16.5km s-min=14.1km az=123.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=24.9.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=162.0.
NEIC Event type fe. Felt at Patrai and Rion. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=36.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.1km az=0.0.
MOS Error ellipse: s-maj=6.9km s-min=3.9km az=95.0.

ISC	**VII**	**03 09 02 15.5–.31**	**38.43N–.02**	**21.83E–.02**	**8–3**		**140**	**0-5**
ISCJB	VII	03 09 02 14.9–.32	38.44N–.02	21.83E–.02	6–3			**¶12950991**
CSEM	VII	03 09 02 14.9–.14	38.43N	21.82E	8	2.8L		
ATH	VII	03 09 02 15.0	38.40N	21.84E	15–1	3.5,2.8L		
NEIC	VII	03 09 02 15.0	38.40N	21.84E	15	2.8L,2.8L		
THE	VII	03 09 02 15.4	38.43N	21.84E	9–0	3.5L,2.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=164.5.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=122.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=134.0.

ISC	**VII**	**03 10 19 22.8–.31**	**38.42N–.02**	**21.90E–.02**	**9–3**		**130**	**0-3**
ISCJB	VII	03 10 19 22.3–.31	38.43N–.02	21.91E–.02	7–3			**¶12950989**
ATH	VII	03 10 19 22.4	38.42N	21.91E	13–1	3.3,2.8L		
THE	VII	03 10 19 22.9	38.41N	21.91E	8–0	3.5L,2.8L		
NEIC	VII	03 10 19 22.4	38.42N	21.91E	13	2.8L,2.8L		
CSEM	VII	03 10 19 22.4–.18	38.42N	21.91E	14–0	2.8L,2.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=26.6.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=151.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=86.0.

ISC	**VII**	**03 12 22 05.2–.39**	**39.24N–.03**	**22.94E–.03**	**14–4**		**61**	**0-2**
ISCJB	VII	03 12 22 04.7–.39	39.24N–.03	22.92E–.03	12–4			**¶12950984**
ATH	VII	03 12 22 04.5	39.24N	22.95E	21–1	3.4		
THE	VII	03 12 22 04.8	39.20N	22.94E	17–0	3.5L		
CSEM	VII	03 12 22 04.9–.22	39.23N	22.92E	10	3.4		
NEIC	VII	03 12 22 06.6	39.18N	23.07E	5	2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=140.8.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=130.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.7km az=134.0.
NEIC Event type se. After ATH.

ISC	**VII**	**03 15 24 26.2–.42**	**38.13N–.04**	**21.53E–.03**	**21–4**		**69**	**0-2**
ATH	VII	03 15 24 25.2	38.11N	21.46E	25–1	3.3		**¶12950976**
NEIC	VII	03 15 24 25.2	38.11N	21.46E	25	3.3		
ISCJB	VII	03 15 24 26.2–.43	38.12N–.04	21.53E–.03	21–4	3.3		
CSEM	VII	03 15 24 26.1–.16	38.15N	21.52E	20	3.3		
THE	VII	03 15 24 26.2	38.12N	21.55E	24–0	3.0L		

ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=161.7.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=159.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=356.0.

ISC	**VII**	**03 18 38 00.6–.49**	**38.15N–.03**	**21.55E–.04**	**19–3**		**58**	**0-1**
ISCJB	VII	03 18 38 00.3–.67	38.12N–.03	21.56E–.03	11–5			**¶13379312**
CSEM	VII	03 18 38 00.3–.17	38.14N	21.56E	20	2.7		
THE	VII	03 18 38 00.2	38.12N	21.54E	7–2	2.8L		
ATH	VII	03 18 38 00.1	38.13N	21.57E	25–2	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=163.3.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=142.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.7km az=36.0.
ATH Error ellipse: s-maj=1.6km s-min=1.1km az=-1.0.

ISC	**VII**	**03 19 38 17.1–.42**	**38.06N–.04**	**21.54E–.03**	**24–4**		**56**	**0-2**
THE	VII	03 19 38 16.8	38.01N	21.52E	12–8	2.4L		**¶12950973**
ATH	VII	03 19 38 16.8	38.08N	21.55E	25–1	3.3		
NEIC	VII	03 19 38 16.8	38.08N	21.55E	25	3.3		
ISCJB	VII	03 19 38 17.1–.42	38.06N–.04	21.54E–.03	25–4	3.3		
CSEM	VII	03 19 38 17.1–.20	38.10N	21.52E	24–2	3.3		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=8.4km s-min=0.5km az=353.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.4km az=170.8.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=164.0.

ISC	**VII**	**03 22 00 23.9–.49**	**38.00N–.04**	**21.61E–.03**	**26–6**		**46**	**0-1**
ISCJB	VII	03 22 00 23.9–.51	38.01N–.04	21.61E–.03	29–4			**¶13379323**
ATH	VII	03 22 00 23.1	37.99N	21.59E	26–2	3.0		
CSEM	VII	03 22 00 23.7–.13	38.01N	21.61E	26–2	3.0		
THE	VII	03 22 00 24.2	38.02N	21.61E	25–1	2.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=175.0.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=172.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=18.0.

ISC	**VII**	**04 02 14 11.8–.32**	**38.04N–.02**	**21.56E–.02**	**9–2**		**177**	**0-8**
ISCJB	VII	04 02 14 11.1–.33	38.04N–.02	21.57E–.02	5–3			**¶12951031**
CSEM	VII	04 02 14 11.4–.19	38.01N	21.58E	9–0	3.4L		
NEIC	VII	04 02 14 11.0	38.03N	21.54E	18	3.4L		
ATH	VII	04 02 14 11.0	38.03N	21.54E	18–1	3.4,3.4L		
THE	VII	04 02 14 11.2	38.04N	21.58E	0–2	3.8L,3.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=35.5.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=29.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=228.0.

ISC	**VII**	**04 05 53 47.4–.40**	**38.09N–.04**	**21.57E–.03**	**20–4**		**65**	**0-2**
CSEM	VII	04 05 53 46.9–.13	38.08N	21.56E	20	3.0		**¶12951026**
ISCJB	VII	04 05 53 47.4–.40	38.09N–.04	21.57E–.03	20–5	3.0		
NEIC	VII	04 05 53 47.2	38.12N	21.54E	20	3.0		
ATH	VII	04 05 53 47.2	38.12N	21.54E	20–1	3.0		
THE	VII	04 05 53 47.0	38.06N	21.58E	16–1	2.6L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=12.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=1.7.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.6km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=3.0.

ISC	**VII**	**05 10 34 09.2–.28**	**38.05N–.01**	**21.54E–.02**	**10–2**	**3.9b**	**400**	**0-79**
IDC	VII	05 10 34 06.8–.86	38.15N	21.68E	0	3.9b,3.9		**¶13388246**
THE	VII	05 10 34 08.5	38.04N	21.55E	6–1	4.8L,3.9		
NEIC	VII	05 10 34 08.8	38.07N	21.55E	17	4.3L,3.9L		
ATH	VII	05 10 34 08.8	38.07N	21.55E	17–0	4.3L,4.1		
ISCJB	VII	05 10 34 09.1–.26	38.09N–.02	21.50E–.02	20–2	3.9b,4.1		
PDG	VII	05 10 34 09.1–.97	38.06N	21.62E	15–2	3.9L,4.1		
CSEM	VII	05 10 34 09.2–.13	38.03N	21.56E	15	4.3L,4.1		
HLW	VII	05 10 34 10.3	37.98N	22.05E	25–43	4.2,3.8L		

ISC Event type ke.
IDC Error ellipse: s-maj=18.3km s-min=14.6km az=166.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=259.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=32.7.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=2.3km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=34.0.

ATH	**VII**	**05 10 35 50.0**	**38.05N**	**21.56E**	**19–1**	**3.5,3.5L**		
CSEM	VII	05 10 35 50.0	38.05N	21.56E	19	3.5L,3.5L		**¶12951043**
NEIC	VII	05 10 35 50.0	38.05N	21.56E	19	3.5,3.5L		

ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
NEIC Event type se. After ATH.

ISC	**VII**	**06 00 45 56.0–.54**	**38.85N–.04**	**21.23E–.04**	**24–6**		**51**	**0-1**
NEIC	VII	06 00 45 54.9	38.89N	21.17E	24	2.8		**¶12951082**
ATH	VII	06 00 45 54.9	38.89N	21.17E	24–1	2.8		
CSEM	VII	06 00 45 55.8–.24	38.84N	21.24E	20	2.1L		
ISCJB	VII	06 00 45 56.0–.52	38.86N–.03	21.22E–.04	25–5	2.1L		
THE	VII	06 00 45 56.2	38.82N	21.24E	26–0	2.1L		

ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.1km az=142.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=187.0.

ISC	**VII**	**06 00 50 55.4–.43**	**38.50N–.03**	**23.46E–.04**	**25–4**		**76**	**0-2**
ISCJB	VII	06 00 50 55.3–.43	38.49N–.03	23.47E–.04	26–4			**¶12951081**
ATH	VII	06 00 50 55.6	38.47N	23.44E	23–1	3.1,2.2L		
CSEM	VII	06 00 50 55.4–.18	38.49N	23.42E	30–2	2.9L,2.2L		
THE	VII	06 00 50 55.5	38.49N	23.42E	16–1	2.9L,2.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=152.0.
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=54.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=270.0.

ISC	**VII**	**06 03 48 59.0–.39**	**38.13N–.03**	**21.54E–.03**	**10–3**		**81**	**0-2**
ISCJB	VII	06 03 48 58.3–.49	38.12N–.03	21.53E–.03	7–4			**¶12951075**
CSEM	VII	06 03 48 58.6–.26	38.14N	21.54E	10	3.2		
ATH	VII	06 03 48 58.8	38.11N	21.55E	16–1	3.2		
NEIC	VII	06 03 48 58.8	38.11N	21.55E	16	3.2		
THE	VII	06 03 48 58.2	38.11N	21.57E	20–2	2.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=156.1.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.8km az=157.0.
ATH Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.4km az=6.0.

ISC	**VII**	**06 08 52 49.8–.38**	**38.05N–.02**	**21.52E–.03**	**16–2**		**119**	**0-2**
ISCJB	VII	06 08 52 50.0–.35	38.05N–.02	21.51E–.03	16–3			**¶12951071**
THE	VII	06 08 52 49.7	38.03N	21.56E	0–1	3.3L		
NEIC	VII	06 08 52 49.6	38.03N	21.54E	17	2.5L		
ATH	VII	06 08 52 49.6	38.03N	21.54E	17–0	3.5,2.5L		
CSEM	VII	06 08 52 50.0–.19	38.07N	21.51E	20	2.5L,2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.6km az=29.4.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=292.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=178.0.

ISC	**VII**	**06 17 34 27.3–.29**	**38.39N–.02**	**21.92E–.02**	**2–3**		**171**	**0-6**
ISCJB	VII	06 17 34 26.8–.33	38.39N–.02	21.91E–.02	2–3			**¶12951062**
ATH	VII	06 17 34 26.8	38.40N	21.92E	9–0	3.4,3.1L		

CSEM VII 06 17 34 27.2–.15 38.38N 21.91E 8 3.1L,3.1L
THE VII 06 17 34 27.2 38.40N 21.91E 2–1 4.0L,3.1L
NEIC VII 06 17 34 27.2 38.39N 21.91E 2 3.1L,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=178.2.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=51.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=321.0.
NEIC Event type se. After THE.
ISC VII 07 09 32 03.2–.41 38.23N–.04 21.51E–.03 20–5 75 0-1
ATH VII 07 09 32 02.6 38.24N 21.49E 20–4 3.2 **¶12951091**
CSEM VII 07 09 32 02.7–.21 38.28N 21.50E 20 3.2
NEIC VII 07 09 32 02.6 38.24N 21.49E 20 3.2
ISCJB VII 07 09 32 03.2–.41 38.22N–.04 21.51E–.03 20–4 3.2
THE VII 07 09 32 03.0 38.20N 21.51E 17–1 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.6km az=161.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=165.5.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=352.0.
ISC VII 07 10 06 14.5–.46 38.15N–.04 21.59E–.04 20–4 58 0-1
ATH VII 07 10 06 13.4 38.14N 21.56E 24–1 3.2 **¶12951090**
NEIC VII 07 10 06 13.4 38.14N 21.56E 24 3.2
ISCJB VII 07 10 06 14.4–.46 38.14N–.04 21.60E–.04 22–4 3.2
CSEM VII 07 10 06 14.0–.18 38.14N 21.60E 20 3.2
THE VII 07 10 06 14.6 38.14N 21.63E 21–1 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.5km az=154.8.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.9km az=144.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=134.0.
ISC VII 07 11 27 35.7–.46 38.04N–.04 21.55E–.03 17–3 50 0-1
ATH VII 07 11 27 34.5 38.07N 21.44E 24–4 3.0 **¶13388419**
THE VII 07 11 27 34.9 38.00N 21.56E 17–1 2.5L
ISCJB VII 07 11 27 35.8–.45 38.07N–.04 21.55E–.03 21–5 2.5L
CSEM VII 07 11 27 35.4–.24 38.07N 21.54E 20 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=2.7km s-min=5.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=9.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=172.4.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.6km az=1.0.
ISC VII 07 19 36 36.3–.48 38.18N–.03 21.76E–.03 19–5 76 0-2
ISCJB VII 07 19 36 36.0–.37 38.17N–.02 21.76E–.03 10 **¶12951105**
THE VII 07 19 36 36.0 38.20N 21.73E 11–3 3.2L
CSEM VII 07 19 36 36.5–.20 38.16N 21.77E 2 3.1
ATH VII 07 19 36 37.5 38.13N 21.78E 13–3 3.1
NEIC VII 07 19 36 37.5 38.13N 21.78E 13 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=143.7.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.8km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=145.0.
ATH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 08 16 02 55.6–.46 38.42N–.04 21.45E–.03 30–4 50 0-1
ATH VII 08 16 02 54.6 38.40N 21.42E 32–1 2.8 **¶13388500**
ISCJB VII 08 16 02 55.6–.46 38.41N–.04 21.45E–.03 30–4 2.8
CSEM VII 08 16 02 55.2–.17 38.41N 21.45E 30 2.8
THE VII 08 16 02 56.0 38.42N 21.46E 16–2 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.1km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=179.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.6km az=174.0.
ISC VII 08 21 04 52.4–1.4 38.06N–.05 20.36E–.06 2–6 55 0-2
CSEM VII 08 21 04 52.9–.44 38.08N 20.39E 2 2.8L **¶12951118**
ISCJB VII 08 21 04 53.4–1.1 38.09N–.05 20.38E–.06 10 2.8L
ATH VII 08 21 04 53.3 38.15N 20.37E 10–3 3.2
THE VII 08 21 04 53.7 38.10N 20.42E 2–1 2.8L
NEIC VII 08 21 04 53.3 38.15N 20.37E 10 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=4.9km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.8km az=38.2.
ATH Error ellipse: s-maj=2.5km s-min=1.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.1km az=41.0.
NEIC Event type se. After ATH.
THE VII 08 21 49 17.1 40.60N 22.78E 8–0 2.8L
SKO VII 08 21 49 15.7 40.54N 22.91E 0 2.3L,1.9 **¶12951116**
CSEM VII 08 21 49 17.3–.19 40.59N 22.78E 15 2.8L,1.9
NEIC VII 08 21 49 17.0 40.61N 22.77E 23 3.3,1.9
ATH VII 08 21 49 17.0 40.61N 22.77E 23–2 3.3,1.9
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=166.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.8km s-min=1.3km az=-1.0.
ISC VII 09 17 39 09.5–.58 38.69N–.02 20.53E–.04 5–3 105 0-3
ISCJB VII 09 17 39 08.3–.61 38.69N–.02 20.49E–.04 1–4 **¶12951150**
CSEM VII 09 17 39 09.0–.32 38.69N 20.53E 2 3.1
THE VII 09 17 39 09.2 38.69N 20.52E 5–1 3.1L
ATH VII 09 17 39 10.0 38.65N 20.61E 10–1 3.1
NEIC VII 09 17 39 10.0 38.65N 20.61E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=5.1.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.5km az=72.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=267.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 09 19 02 36.7–.26 38.35N–.01 22.37E–.02 13–2 3.4b 282 0-44
IDC VII 09 19 02 33.3–5.5 38.32N 22.13E 0 3.4b,3.4 **¶11811109**
ATH VII 09 19 02 35.9 38.34N 22.37E 25–0 3.6L,3.4
CSEM VII 09 19 02 36.2–.10 38.35N 22.36E 10 4.0L,3.4
ISCJB VII 09 19 02 36.3–.33 38.35N–.01 22.37E–.02 14–2 3.4b,3.4
THE VII 09 19 02 36.7 38.34N 22.38E 8–0 4.0L,3.4
NEIC VII 09 19 02 37.0 38.35N 22.37E 5 3.2L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=110.6km s-min=26.7km az=23.0.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=15.2.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=205.0.
NEIC Event type se. After ATH.
ISC VII 09 23 12 26.3–.30 38.19N–.01 20.68E–.02 8–2 3.9b 490 0-77
IDC VII 09 23 12 23.5–1.2 38.27N 20.78E 0 4.0b,3.9 **¶13388614**
CSEM VII 09 23 12 25.9–.13 38.20N 20.70E 5 3.7L,3.4s
ISCJB VII 09 23 12 25.1–.29 38.19N–.02 20.64E–.02 11–2 3.9b,3.4s
NEIC VII 09 23 12 26.0 38.21N 20.69E 14 3.9b,3.8L
THE VII 09 23 12 26.8 38.23N 20.76E 3–1 4.3L,3.8L
PDG VII 09 23 12 26.5–.53 38.20N 20.69E 13–1 3.9L,3.8L
ATH VII 09 23 12 26.0 38.21N 20.69E 14–0 3.7L,3.8L
MOS VII 09 23 12 27.3–1.3 38.21N 20.68E 33 4.1b,3.8L
VIE VII 09 23 12 31.8–.92 38.84N 20.98E 10–0 3.4b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=14.4km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=24.2.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=185.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=90.0.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
MOS Error ellipse: s-maj=5.8km s-min=4.1km az=88.6.

VIE Error ellipse: s-maj=14.0km s-min=7.0km az=58.0. 94 km NW of Patras .
ISC VII 10 20 40 12.2–1.5 38.25N–.05 20.32E–.09 15–4 48 0-2
CSEM VII 10 20 40 11.6–.75 38.24N 20.29E 15 2.9 **¶12951179**
ATH VII 10 20 40 13.4 38.01N 20.48E 7–2 2.9
THE VII 10 20 40 13.1 38.29N 20.37E 0–8 2.9
NEIC VII 10 20 40 13.4 38.01N 20.48E 7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.9km s-min=7.4km az=70.0.
ATH Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=12.2km s-min=0.5km az=253.0.
NEIC Event type se. After ATH.
ISC VII 11 13 45 21.0–.41 38.09N–.03 21.54E–.03 19–3 59 0-1
ISCJB VII 11 13 45 20.8–.65 38.06N–.04 21.56E–.03 11–6 **¶13388734**
ATH VII 11 13 45 20.5 38.07N 21.56E 19–2 2.7
CSEM VII 11 13 45 20.7–.23 38.11N 21.52E 20 2.7
THE VII 11 13 45 21.2 38.07N 21.55E 0–2 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.1km az=12.0.
ATH Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.4km az=154.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=292.0.
ISC VII 11 14 23 09.3–.61 40.50N–.03 21.37E–.06 16–7 28 0-1
SKO VII 11 14 23 06.9 40.38N 21.59E 0 1.9L,1.6 **¶13388739**
ISCJB VII 11 14 23 09.3–.56 40.50N–.03 21.38E–.05 10–8 1.9L,1.6
CSEM VII 11 14 23 09.3 40.50N 21.38E 11 2.5L,1.6
THE VII 11 14 23 09.3 40.50N 21.38E 11–1 2.5L,1.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.8km az=165.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=319.0.
ISC VII 11 23 18 35.3–.31 38.06N–.02 21.53E–.02 7–2 3.6b 281 0-45
TIR VII 11 23 18 30.7–6.6 38.52N 18.08E 0–999 3.4L **¶11811311**
CSEM VII 11 23 18 34.7–.15 38.06N 21.52E 2 3.2L
ISCJB VII 11 23 18 34.7–.40 38.08N–.01 21.51E–.02 7–2 3.6b
NEIC VII 11 23 18 35.2 38.10N 21.55E 17 3.2L
ATH VII 11 23 18 35.2 38.10N 21.55E 17–0 3.4,3.2L
THE VII 11 23 18 35.1 38.06N 21.56E 2–1 4.0L,3.2L
IDC VII 11 23 18 35.1–4.1 38.44N 21.86E 0 3.7b,3.6
ISC Event type ke.
TIR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=27.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=19.3.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=168.0.
IDC Error ellipse: s-maj=80.1km s-min=24.5km az=31.0.
ISC VII 12 00 38 14.2–.45 38.06N–.03 21.56E–.03 14–4 58 0-1
ISCJB VII 12 00 38 14.0–.44 38.07N–.03 21.56E–.03 10–3 **¶12951251**
ATH VII 12 00 38 13.9 38.04N 21.55E 11–1 2.9
CSEM VII 12 00 38 13.8–.17 38.06N 21.56E 15 2.9
NEIC VII 12 00 38 13.9 38.04N 21.55E 11 2.9
THE VII 12 00 38 14.4 38.05N 21.58E 11–10 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.5km az=171.4.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=176.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=10.8km s-min=0.6km az=19.0.
ISC VII 12 02 32 58.0–.34 38.16N–.02 21.59E–.02 15–2 141 0-3
ISCJB VII 12 02 32 57.3–.52 38.16N–.02 21.59E–.02 8–4 **¶12951250**
ATH VII 12 02 32 57.1 38.15N 21.62E 24–0 3.3,3.0L
CSEM VII 12 02 32 57.4–.20 38.15N 21.58E 12 3.0L,3.0L
NEIC VII 12 02 32 57.1 38.15N 21.62E 24 3.0L,3.0L
THE VII 12 02 32 57.6 38.14N 21.61E 0–2 3.7L,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.2km az=173.5.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=153.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=258.0.
THE VII 13 08 24 00.3 38.23N 22.18E 12–3 1.5L
CSEM VII 13 08 24 00.3 38.23N 22.18E 12 1.5L **¶14686385**
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.7km az=302.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC VII 13 16 25 10.8–.28 38.13N–.02 21.62E–.02 14–2 3.6b 253 0-45
IDC VII 13 16 25 08.8–2.6 38.45N 21.69E 0 4.0L,3.7b **¶11811479**
ATH VII 13 16 25 09.7 38.12N 21.61E 24–0 3.6L,3.7b
NEIC VII 13 16 25 09.7 38.12N 21.61E 24 3.6L,3.7b
CSEM VII 13 16 25 10.9–.19 38.07N 21.67E 20 3.6L,3.7b
ISCJB VII 13 16 25 10.1–.27 38.13N–.02 21.60E–.02 14–2 3.6b,3.7b
THE VII 13 16 25 10.7 38.14N 21.62E 12–1 4.2L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=51.7km s-min=21.8km az=13.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=7.1.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=21.0.
ISC VII 13 16 37 18.3–.47 38.17N–.04 21.60E–.03 19–3 49 0-1
ATH VII 13 16 37 16.8 38.10N 21.62E 27–2 3.0 **¶13389102**
ISCJB VII 13 16 37 18.2–.55 38.17N–.04 21.59E–.03 22–7 3.0
CSEM VII 13 16 37 18.0–.22 38.16N 21.61E 17–3 3.0
THE VII 13 16 37 18.9 38.15N 21.65E 17–2 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=2.2km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.2km az=171.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=12.0.
ISC VII 14 10 23 28.4–.38 38.17N–.03 21.63E–.03 27–4 70 0-1
ATH VII 14 10 23 27.5 38.15N 21.60E 26–1 3.2 **¶12951300**
NEIC VII 14 10 23 27.5 38.15N 21.60E 26 3.2
ISCJB VII 14 10 23 28.3–.39 38.17N–.03 21.63E–.03 27–4 3.2
CSEM VII 14 10 23 28.1–.16 38.18N 21.61E 24–1 3.2
THE VII 14 10 23 28.2 38.15N 21.62E 24–1 2.8L
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=169.9.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=161.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=24.0.
ISC VII 16 12 06 41.2–.40 38.41N–.03 21.41E–.03 24–4 74 0-2
ATH VII 16 12 06 40.5 38.38N 21.44E 26–1 2.8 **¶12951367**
NEIC VII 16 12 06 40.5 38.38N 21.44E 26 2.8
ISCJB VII 16 12 06 41.2–.38 38.41N–.03 21.42E–.03 26–4 2.8
CSEM VII 16 12 06 41.1–.18 38.40N 21.42E 28–1 2.8
THE VII 16 12 06 41.2 38.40N 21.42E 17–0 2.7L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=178.5.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=179.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=173.0.
ISC VII 17 15 11 37.3–.43 38.02N–.02 21.55E–.03 4–5 103 0-2
ISCJB VII 17 15 11 36.4–.42 38.02N–.02 21.52E–.03 5–4 **¶12951385**
CSEM VII 17 15 11 36.6–.19 38.02N 21.55E 10 2.8
THE VII 17 15 11 36.7 38.01N 21.55E 0–2 3.6L
ATH VII 17 15 11 37.0 38.03N 21.53E 16–1 2.9
NEIC VII 17 15 11 37.0 38.03N 21.53E 16 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=6.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=2.0.

THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=233.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 18 05 35 56.9–.48 38.34N–.05 22.45E–.03 18–4 35 0-2
ISCJB VII 18 05 35 56.8–.49 38.33N–.06 22.45E–.06 24–10 **¶13389484**
ATH VII 18 05 35 56.7 38.32N 22.45E 24–2 2.9
CSEM VII 18 05 35 56.6–.26 38.38N 22.41E 26–2 2.5L
THE VII 18 05 35 57.1 38.29N 22.47E 6–13 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=6.5km az=158.2.
ATH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=6.6km az=7.0.
THE Event type ke. Error ellipse: s-maj=13.2km s-min=0.3km az=334.0.
ISC VII 18 11 17 39.3–.69 38.12N–.02 20.18E–.03 4–4 191 0-5
ATH VII 18 11 17 38.1 38.02N 20.13E 13–1 3.8,3.4L **¶11163179**
ISCJB VII 18 11 17 38.8–.66 38.15N–.02 20.16E–.03 7–3 3.8,3.4L
NEIC VII 18 11 17 38.2 38.02N 20.13E 12 3.6L,3.4L
CSEM VII 18 11 17 39.0–.25 38.10N 20.18E 2 3.9L,3.4L
PDG VII 18 11 17 40.2–.12 38.11N 19.42E 21–11 3.6L,3.4L
THE VII 18 11 17 41.3 38.21N 20.34E 9–0 3.9L,3.4L
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.6km az=136.5.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.1km az=40.0.
PDG Event type ke. Error ellipse: s-maj=64.0km s-min=4.1km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=70.0.
ATH VII 19 01 55 47.0 38.16N 21.25E 5–3 3.1
THE VII 19 01 55 46.5 38.10N 21.31E 2–24 2.3L **¶12951487**
CSEM VII 19 01 55 46.8–.27 38.16N 21.28E 15 3.1
NEIC VII 19 01 55 47.0 38.16N 21.25E 5 3.1
ATH Error ellipse: s-maj=1.3km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=24.2km s-min=0.5km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=173.0.
NEIC Event type se. After ATH.
ISC VII 20 08 09 39.9–.49 38.37N–.03 21.82E–.03 12–5 50 0-1
ISCJB VII 20 08 09 39.4–.52 38.37N–.03 21.81E–.03 11–5 **¶12951518**
ATH VII 20 08 09 39.7 38.37N 21.83E 5 2.9
CSEM VII 20 08 09 39.5–.11 38.37N 21.81E 6–1 2.7L
NEIC VII 20 08 09 39.7 38.37N 21.83E 5 3.9
THE VII 20 08 09 39.8 38.36N 21.80E 10–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=170.4.
ATH Error ellipse: s-maj=0.7km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=8.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=68.0.
ISC VII 20 08 29 14.4–.31 38.42N–.02 21.98E–.02 5–3 119 0-10
ISCJB VII 20 08 29 13.7–.34 38.42N–.02 21.99E–.02 1–4 **¶12951515**
ATH VII 20 08 29 13.9 38.43N 21.98E 16–2 3.1,2.9L
NEIC VII 20 08 29 13.9 38.43N 21.98E 16 2.9L,2.9L
THE VII 20 08 29 14.2 38.41N 22.00E 1–2 3.6L,2.9L
CSEM VII 20 08 29 14.0–.13 38.43N 21.98E 2 3.6L,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=171.7.
ATH Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=232.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=50.0.
ISC VII 20 11 02 01.1–.41 38.46N–.03 21.96E–.03 14–3 68 0-1
CSEM VII 20 11 02 00.8–.11 38.47N 21.96E 12 3.0L **¶12951509**
NEIC VII 20 11 02 00.9 38.49N 21.89E 33 3.0
ATH VII 20 11 02 00.9 38.49N 21.89E 33–2 3.0
ISCJB VII 20 11 02 01.1–.53 38.45N–.03 21.95E–.03 15–3 3.0
THE VII 20 11 02 01.5 38.45N 21.97E 10–0 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=141.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=152.5.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=166.0.
ISC VII 20 11 29 29.6–.40 38.46N–.03 21.98E–.03 12–3 64 0-2
ISCJB VII 20 11 29 29.3–.48 38.44N–.03 21.96E–.03 14–3 **¶12951508**
CSEM VII 20 11 29 29.0–.18 38.46N 21.97E 15 3.2L
THE VII 20 11 29 29.4 38.47N 21.97E 10–0 3.2L
ATH VII 20 11 29 29.2 38.45N 21.96E 24–1 3.0
NEIC VII 20 11 29 29.2 38.45N 21.96E 24 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=154.7.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=99.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=154.0.
ATH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 20 11 59 00.3–.58 38.48N–.04 21.97E–.05 13–5 38 0-1
ISCJB VII 20 11 59 00.1–.58 38.47N–.04 21.96E–.05 13–4 **¶13389649**
CSEM VII 20 11 59 00.0–.13 38.48N 21.98E 12 2.7L
THE VII 20 11 59 00.8 38.47N 21.97E 8–1 2.7L
ATH VII 20 11 59 00.0 38.46N 21.97E 30–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.8km az=135.9.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=102.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=211.0.
ATH Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0.
ISC VII 20 20 37 28.7–.34 38.44N–.01 22.02E–.02 1–3 3.6b,3.0s 197 0-97
IDC VII 20 20 37 27.7–1.5 38.72N 21.92E 0 3.7b,3.6 **¶11812206**
ISCJB VII 20 20 37 27.9–.42 38.44N–.01 22.00E–.02 1–3 3.6b,3.0s
CSEM VII 20 20 37 28.9–.13 38.43N 22.01E 8 3.1L,3.0s
THE VII 20 20 37 28.4 38.41N 22.02E 0–2 3.6L,3.0s
ATH VII 20 20 37 28.5 38.44N 21.99E 12–1 3.5,3.1L
NEIC VII 20 20 37 28.5 38.44N 21.99E 12 3.1L,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=50.5km s-min=26.0km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=6.9.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=55.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=194.0.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 21 00 20 39.4–.36 38.73N–.02 23.39E–.03 9–3 140 0-3
ISCJB VII 21 00 20 38.8–.38 38.73N–.02 23.39E–.02 4–4 **¶12951566**
CSEM VII 21 00 20 38.8–.15 38.72N 23.40E 10 3.3L
ATH VII 21 00 20 38.9 38.73N 23.41E 26–1 3.3L
NEIC VII 21 00 20 38.9 38.73N 23.41E 26 3.3L
THE VII 21 00 20 39.4 38.72N 23.37E 7–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=5.5.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=102.0.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=294.0.
ISC VII 21 17 58 49.2–.35 38.86N–.02 22.23E–.03 9–4 102 0-2
ISCJB VII 21 17 58 48.5–.42 38.86N–.02 22.21E–.03 3–4 **¶12951536**
THE VII 21 17 58 48.9 38.84N 22.21E 12–1 3.1L
CSEM VII 21 17 58 48.9–.13 38.86N 22.23E 7–0 3.0
NEIC VII 21 17 58 49.3 38.88N 22.22E 9 3.0
ATH VII 21 17 58 49.2 38.88N 22.22E 9–3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=33.1.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.2km az=323.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=121.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=0.5km az=-1.0.

ISC VII 21 18 22 37.1–.27 38.29N–.02 21.89E–.02 6–2 3.6b 196 0-121
ATH VII 21 18 22 36.7 38.30N 21.86E 13–1 3.2 **¶13389761**
ISCJB VII 21 18 22 36.6–.33 38.28N–.02 21.88E–.02 7–2 3.6b
NEIC VII 21 18 22 36.7 38.30N 21.86E 13 3.2
IDC VII 21 18 22 36.5–1.1 38.36N 21.83E 0 3.7,3.6
CSEM VII 21 18 22 36.8–.12 38.29N 21.88E 5 3.2,3.6
THE VII 21 18 22 37.1 38.29N 21.90E 3–0 3.9L,3.6
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=2.3.
NEIC Event type se. After ATH.
IDC Error ellipse: s-maj=24.1km s-min=18.9km az=138.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=11.0.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.2km az=185.0.
ISC VII 22 20 22 28.7–.39 38.17N–.03 21.45E–.03 20–5 77 0-2
ISCJB VII 22 20 22 28.8–.40 38.16N–.03 21.45E–.03 20–4 **¶12951570**
CSEM VII 22 20 22 28.4–.09 38.16N 21.46E 20 3.0
ATH VII 22 20 22 28.4 38.15N 21.45E 21–2 3.0
NEIC VII 22 20 22 28.4 38.15N 21.45E 21 3.0
THE VII 22 20 22 28.7 38.19N 21.46E 19–1 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.3km az=171.9.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=166.0.
ATH Error ellipse: s-maj=1.7km s-min=1.2km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=154.0.
ISC VII 22 20 36 12.5–.55 38.09N–.05 21.55E–.03 20–3 50 0-1
ISCJB VII 22 20 36 12.4–.63 38.09N–.05 21.56E–.03 23–6 **¶13389843**
ATH VII 22 20 36 12.4 38.12N 21.52E 20–4 2.8
THE VII 22 20 36 12.6 38.11N 21.56E 18–0 2.5L
CSEM VII 22 20 36 12.2–.12 38.09N 21.56E 20 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=3.6km az=170.7.
ATH Error ellipse: s-maj=5.2km s-min=1.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.2km az=356.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=1.6km az=171.0.
ISC VII 24 21 15 37.4–.24 38.27N–.01 21.90E–.01 5–1 4.0b,3.4s 592 0-121
PRU VII 24 21 15 34.9 37.81N 20.11E 0 4.0b,3.4s **¶11163248**
ISCJB VII 24 21 15 36.5–.23 38.28N–.01 21.88E–.01 9–1 4.0b,3.4s
NEIC VII 24 21 15 36.8 38.29N 21.92E 15 4.1b,3.8L
ATH VII 24 21 15 36.8 38.29N 21.92E 15–1 4.1,3.8L
IDC VII 24 21 15 36.0–.63 38.35N 21.87E 0 4.1,4.1b
PDG VII 24 21 15 37.1–.52 38.29N 21.94E 6–1 3.9L,4.1b
THE VII 24 21 15 37.1 38.30N 21.89E 3–0 4.4L,4.1b
CSEM VII 24 21 15 37.0–.10 38.27N 21.90E 5 4.1b,4.1b
MOS VII 24 21 15 39.6–.94 38.32N 21.87E 37 4.2b,4.1b
SOF VII 24 21 16 05.5 40.17N 22.85E 20 3.6,4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=24.2.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=15.2km s-min=12.3km az=152.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.7km az=90.0.
THE Event type ke. Error ellipse: s-maj=0.3km s-min=0.2km az=209.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=34.0.
MOS Error ellipse: s-maj=6.1km s-min=3.6km az=93.1.
ISC VII 24 23 04 50.4–.54 38.28N–.03 21.88E–.04 9–4 63 0-1
CSEM VII 24 23 04 49.9–.10 38.29N 21.88E 8 2.2L **¶12951616**
ISCJB VII 24 23 04 50.1–.53 38.28N–.03 21.89E–.04 10–4 2.2L
NEIC VII 24 23 04 50.5 38.28N 21.85E 6 3.1
THE VII 24 23 04 50.4 38.28N 21.90E 9–0 2.2L
ATH VII 24 23 04 50.5 38.28N 21.85E 6 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=95.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.4km az=178.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=248.0.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
ISC VII 24 23 26 31.5–.70 38.29N–.03 21.88E–.03 8–7 50 0-1
ISCJB VII 24 23 26 30.9–.75 38.29N–.03 21.88E–.04 12–6 **¶12951615**
CSEM VII 24 23 26 30.8–.10 38.31N 21.87E 8 2.0L
THE VII 24 23 26 31.3 38.29N 21.88E 9–1 2.0L
ATH VII 24 23 26 31.2 38.29N 21.86E 10–7 3.0
NEIC VII 24 23 26 31.2 38.29N 21.86E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=138.5.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=136.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=276.0.
ATH Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 25 05 57 48.0–.74 38.30N–.03 21.91E–.03 4–13 51 0-1
ISCJB VII 25 05 57 47.3–.64 38.30N–.03 21.91E–.03 9–6 **¶12951648**
CSEM VII 25 05 57 47.2–.12 38.30N 21.91E 5 2.5L
THE VII 25 05 57 47.4 38.29N 21.90E 0–1 2.5L
ATH VII 25 05 57 47.4 38.30N 21.92E 5–2 2.9
NEIC VII 25 05 57 47.4 38.30N 21.92E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=172.8.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=83.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=217.0.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 25 16 26 38.5–.57 38.29N–.04 21.91E–.03 8–5 49 0-1
ISCJB VII 25 16 26 38.0–.47 38.29N–.04 21.91E–.03 9–4 **¶13390080**
CSEM VII 25 16 26 38.0–.09 38.29N 21.91E 5 2.4L
THE VII 25 16 26 38.2 38.29N 21.90E 9–0 2.4L
ATH VII 25 16 26 38.1 38.31N 21.90E 10–1 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=5.4.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=178.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.2km az=351.0.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
ISC VII 25 23 47 38.8–.42 38.13N–.04 21.52E–.03 14–4 62 0-1
ISCJB VII 25 23 47 38.3–.49 38.12N–.03 21.53E–.03 7–4 **¶13390107**
CSEM VII 25 23 47 38.4–.13 38.12N 21.53E 12 3.1
THE VII 25 23 47 38.2 38.10N 21.53E 0–1 2.9L
ATH VII 25 23 47 38.5 38.13N 21.52E 17–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=166.8.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=171.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.2km az=274.0.
ATH Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0.
ISC VII 26 01 34 28.1–.83 38.29N–.03 21.92E–.03 7–8 44 0-1
ISCJB VII 26 01 34 27.6–.51 38.28N–.03 21.92E–.03 9–4 **¶13390117**
THE VII 26 01 34 27.8 38.28N 21.91E 7–1 2.0L
ATH VII 26 01 34 28.0 38.29N 21.91E 5–5 2.8
CSEM VII 26 01 34 28.0–.10 38.29N 21.93E 2 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=151.7.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=237.0.
ATH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=153.0.
ISC VII 26 11 27 01.7–.65 40.46N–.03 21.95E–.08 9–8 27 0-1
ATH VII 26 11 26 52.5 40.62N 21.11E 28–1 3.2 **¶13390147**
ISCJB VII 26 11 27 01.3–.70 40.45N–.04 21.94E–.07 8–7 3.2
CSEM VII 26 11 27 02.1–.46 40.41N 21.96E 5 2.6L
THE VII 26 11 27 02.7 40.42N 21.88E 2–14 2.6L
ISC Event type ke.
ATH Error ellipse: s-maj=2.6km s-min=3.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.9km az=27.2.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=9.4km az=56.0.

THE Event type ke. Error ellipse: s-maj=14.3km s-min=0.5km az=238.0.
ISC VII 26 12 21 03.3–1.2 38.30N–.04 21.87E–.04 6–10 37 0-1
ISCJB VII 26 12 21 02.8–.81 38.29N–.04 21.87E–.04 9–5 ¶13390150
CSEM VII 26 12 21 03.4–.09 38.29N 21.89E 2 2.4L
THE VII 26 12 21 03.2 38.29N 21.88E 5–1 2.4L
ATH VII 26 12 21 03.4 38.29N 21.88E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.5km az=164.8.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=159.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.3km az=266.0.
ATH Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.
ISC VII 26 17 42 41.2–.38 38.44N–.03 21.82E–.03 8–5 75 0-1
ISCJB VII 26 17 42 40.7–.47 38.45N–.03 21.81E–.03 4–6 ¶12951660
CSEM VII 26 17 42 40.6–.10 38.44N 21.83E 8 2.7L
THE VII 26 17 42 40.7 38.43N 21.83E 12–0 2.7L
ATH VII 26 17 42 41.3 38.45N 21.78E 5–2 3.0
NEIC VII 26 17 42 41.3 38.45N 21.78E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=143.8.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=165.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=133.0.
ATH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 27 05 00 09.1–.43 38.29N–.03 21.91E–.03 6–4 60 0-1
ISCJB VII 27 05 00 08.8–.41 38.28N–.03 21.92E–.03 7–3 ¶12951698
CSEM VII 27 05 00 08.7–.16 38.30N 21.92E 5 2.5L
THE VII 27 05 00 08.6 38.28N 21.91E 8–0 2.5L
NEIC VII 27 05 00 09.2 38.27N 21.91E 5 2.9
ATH VII 27 05 00 09.3 38.27N 21.90E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=162.2.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=137.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=244.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.8km s-min=1.4km az=-1.0.
ISC VII 27 05 20 50.4–.58 38.08N–.03 21.56E–.03 19–6 64 0-2
ISCJB VII 27 05 20 50.2–.42 38.08N–.03 21.56E–.02 10 ¶12951697
CSEM VII 27 05 20 50.6–.21 38.10N 21.56E 12 3.0
THE VII 27 05 20 50.2 38.08N 21.56E 16–0 2.4L
ATH VII 27 05 20 51.4 38.07N 21.59E 12–3 3.0
NEIC VII 27 05 20 51.4 38.07N 21.59E 12 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=169.6.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=167.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=145.0.
ATH Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 27 08 09 45.9–.72 40.41N–.04 21.88E–.07 11–10 25 0-1
ATH VII 27 08 09 32.8 40.76N 20.82E 11 3.3 ¶13390238
ISCJB VII 27 08 09 45.6–.87 40.42N–.04 21.89E–.07 5–11 3.3
CSEM VII 27 08 09 45.7–.22 40.40N 21.88E 10 2.5L
THE VII 27 08 09 46.3 40.41N 21.86E 2–15 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.7km az=4.5.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.6km az=60.0.
THE Event type ke. Error ellipse: s-maj=15.2km s-min=0.3km az=0.0.
ISC VII 27 08 14 51.7–.53 38.39N–.03 22.37E–.03 7–8 49 0-1
CSEM VII 27 08 14 50.9–.19 38.39N 22.37E 15 2.3L ¶13390239
ISCJB VII 27 08 14 51.1–.43 38.37N–.03 22.37E–.03 8–4 2.3L
ATH VII 27 08 14 51.7 38.36N 22.38E 5 2.9
THE VII 27 08 14 51.4 38.40N 22.36E 10–1 2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.2km az=164.2.
ATH Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.2km az=187.0.
ISC VII 27 11 09 28.0–.63 40.45N–.04 21.89E–.05 6–13 33 0-1
ATH VII 27 11 09 18.3 40.73N 21.15E 10–3 3.2 ¶13390246
ISCJB VII 27 11 09 27.4–.66 40.44N–.04 21.89E–.05 3–12 3.2
CSEM VII 27 11 09 27.6–.22 40.43N 21.88E 2 2.4L
THE VII 27 11 09 28.1 40.44N 21.86E 0–2 2.4L
ISC Event type ke.
ATH Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.8km az=158.1.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.7km az=43.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.5km az=61.0.
ISC VII 27 23 00 30.3–.48 38.30N–.02 22.73E–.02 17–7 89 0-1
ISCJB VII 27 23 00 29.9–.30 38.30N–.02 22.74E–.02 10 ¶13390280
CSEM VII 27 23 00 30.0–.08 38.30N 22.74E 10 2.6L
THE VII 27 23 00 30.4 38.30N 22.74E 10–0 2.6L
ATH VII 27 23 00 30.1 38.29N 22.71E 5–3 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=27.3.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=21.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.2km az=244.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
ISC VII 28 00 20 15.9–.66 38.30N–.03 21.86E–.05 11–4 41 0-1
ISCJB VII 28 00 20 15.9–.59 38.28N–.03 21.86E–.05 9–3 ¶13390287
CSEM VII 28 00 20 15.8–.12 38.31N 21.87E 8 2.8
ATH VII 28 00 20 16.2 38.29N 21.89E 5–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=155.1.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=99.0.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
ISC VII 28 21 11 15.3–.56 38.11N–.02 20.13E–.02 2–4 3.5b 353 0-46
ISCJB VII 28 21 11 13.9–.54 38.12N–.02 20.07E–.02 1–3 3.6b ¶13390334
NEIC VII 28 21 11 13.3 37.99N 20.06E 5 3.8L
ATH VII 28 21 11 13.3 37.99N 20.06E 5–1 3.7,3.5L
CSEM VII 28 21 11 15.2–.18 38.07N 20.14E 2 4.3L,3.5L
THE VII 28 21 11 16.4 38.06N 20.26E 3–1 4.3L,3.5L
BEO VII 28 21 11 17.1–.88 38.23N 20.17E 0–0 4.3L,3.5L
PDG VII 28 21 11 18.1–.70 38.15N 20.14E 28–4 4.1,4.0L
IDC VII 28 21 11 20.2–4.9 38.60N 21.11E 0 3.7,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=30.4.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.5km az=33.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=29.0.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.9km az=0.0.
IDC Error ellipse: s-maj=93.3km s-min=27.4km az=24.0.
ISC VII 28 21 49 25.1–.29 40.71N–.01 21.88E–.01 5–2 3.7b 462 0-94
IDC VII 28 21 49 22.0–1.6 40.55N 21.75E 0 3.9,3.8 ¶11163286
THE VII 28 21 49 24.8 40.70N 21.89E 3–0 4.2L,3.8
PDG VII 28 21 49 24.5–.60 40.70N 21.90E 6–1 3.7L,3.8
ISCJB VII 28 21 49 24.1–.28 40.72N–.01 21.87E–.01 7–2 3.7b,3.8
CSEM VII 28 21 49 24.9–.07 40.70N 21.88E 5 3.6L,3.8
SKO VII 28 21 49 24.1 40.72N 21.85E 15 3.6L,3.2
NEIC VII 28 21 49 25.0 40.66N 21.90E 23 3.6L,3.2
ATH VII 28 21 49 25.0 40.66N 21.90E 23–0 3.7,3.6L
SOF VII 28 21 49 26.0 40.76N 22.07E 9 3.5,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=24.1km s-min=17.7km az=171.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=334.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=35.9.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=45.0.
NEIC Event type fe. Felt at Edessa and Veroia. After ATH.
ATH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
ISC VII 28 23 16 35.4–.55 38.18N–.05 21.37E–.03 10 65 0-2
THE VII 28 23 16 34.3 38.14N 21.36E 17–1 2.9L ¶12951706
ISCJB VII 28 23 16 35.0–.53 38.21N–.05 21.37E–.03 10 2.9L
CSEM VII 28 23 16 39.6–.30 38.26N 21.72E 7–2 3.1
ATH VII 28 23 16 40.2 38.29N 21.69E 8–2 3.1
NEIC VII 28 23 16 40.2 38.29N 21.69E 8 3.1
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.5km az=348.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.4km az=172.4.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.3km az=93.0.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 29 02 06 02.9–.98 38.07N–.03 20.27E–.06 6–5 70 0-8
ISCJB VII 29 02 06 01.7–.99 38.10N–.04 20.21E–.06 5–5 ¶13390354
THE VII 29 02 06 02.6 38.13N 20.23E 7–1 3.4L
CSEM VII 29 02 06 05.3–.49 38.13N 20.49E 10 3.4L
ATH VII 29 02 06 11.0 38.03N 20.90E 5 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.8km az=147.9.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=5.1km az=58.0.
ATH Error ellipse: s-maj=4.5km s-min=10.8km az=-1.0.
ISC VII 29 20 25 27.0–.62 38.21N–.04 21.83E–.05 15–6 35 0-1
ISCJB VII 29 20 25 27.0–.56 38.21N–.04 21.84E–.05 17–8 ¶12951734
CSEM VII 29 20 25 27.0–.18 38.23N 21.84E 15 1.7L
THE VII 29 20 25 29.4 38.29N 21.90E 8–1 1.7L
NEIC VII 29 20 25 31.0 37.98N 21.57E 15 3.1
ATH VII 29 20 25 31.0 37.98N 21.57E 15–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=6.1km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.1km az=133.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=162.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.8km s-min=2.8km az=-1.0.
ISC VII 29 21 20 20.4–.53 38.30N–.03 22.71E–.03 13–8 58 0-1
THE VII 29 21 20 19.9 38.29N 22.71E 16–2 2.4L ¶12951733
ISCJB VII 29 21 20 20.1–.43 38.29N–.03 22.72E–.03 8–8 2.4L
CSEM VII 29 21 20 20.2–.12 38.30N 22.71E 10 2.4L
NEIC VII 29 21 20 20.4 38.30N 22.72E 4 3.1
ATH VII 29 21 20 20.2 38.31N 22.72E 2 3.1
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=313.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=31.4.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=9.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
ISC VII 29 21 35 06.1–.35 40.72N–.02 21.91E–.02 2–4 129 0-5
ISCJB VII 29 21 35 05.5–.41 40.72N–.02 21.90E–.02 2–4 ¶12951731
ATH VII 29 21 35 06.5 40.67N 21.90E 18–2 3.4
NEIC VII 29 21 35 06.5 40.67N 21.90E 18 3.4
THE VII 29 21 35 06.0 40.71N 21.89E 0–1 3.6L
SKO VII 29 21 35 06.2 40.81N 21.88E 7 2.8L,2.5
CSEM VII 29 21 35 06.0–.08 40.71N 21.91E 2 3.4,2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=37.2.
ATH Error ellipse: s-maj=2.5km s-min=2.1km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.3km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=27.0.
ISC VII 29 21 37 35.1–.40 38.09N–.02 21.70E–.03 4–3 3.5b 169 0-45
IDC VII 29 21 37 26.2–1.4 37.39N 20.93E 0 3.7b,3.7 ¶11812879
ISCJB VII 29 21 37 34.6–.41 38.08N–.02 21.71E–.03 3–3 3.5b,3.7
ATH VII 29 21 37 34.9 38.11N 21.71E 15–1 3.4,3.3L
NEIC VII 29 21 37 34.9 38.11N 21.71E 15 3.3L,3.3L
THE VII 29 21 37 34.9 38.10N 21.72E 0–1 4.0L,3.3L
CSEM VII 29 21 37 34.9–.19 38.09N 21.70E 9–0 3.3L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=29.4km s-min=23.2km az=139.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=152.1.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=218.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=4.0km az=33.0.
ISC VII 30 04 22 13.6–.80 38.07N–.04 20.16E–.04 0–4 105 0-8
ISCJB VII 30 04 22 13.3–.78 38.08N–.04 20.16E–.04 1–4 ¶12951770
NEIC VII 30 04 22 13.6 38.09N 20.15E 5 3.5
ATH VII 30 04 22 13.6 38.09N 20.15E 5–4 3.5
CSEM VII 30 04 22 14.1–.36 38.05N 20.20E 2 3.6L
THE VII 30 04 22 15.8 38.11N 20.27E 5–0 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.0km az=33.3.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.8km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.6km az=32.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=28.0.
ISC VII 30 05 02 57.8–.39 38.10N–.01 20.18E–.01 5–2 4.8b,4.5s 1398 0-122
BGS VII 30 05 02 53.6–1.8 37.58N 20.41E 10–0 4.8b,4.4s ¶13390413
BJI VII 30 05 02 54.6 38.85N 19.47E 8 5.0s,5.0b
LDG VII 30 05 02 55.8–.17 38.25N 20.34E 10–0 5.0b,4.1s
ISCJB VII 30 05 02 56.3–.36 38.16N–.01 20.15E–.01 4–2 4.7b,4.5s
ATH VII 30 05 02 56.0 38.02N 20.12E 9–2 5.0L,4.5s
IDC VII 30 05 02 56.2–.50 38.17N 20.30E 0 4.6,4.5b
NEIC VII 30 05 02 56.0 38.02N 20.12E 9 5.0L,4.8b
CSEM VII 30 05 02 57.2–.08 38.10N 20.17E 2 5.0W,4.9b
PRU VII 30 05 02 57.8 38.24N 19.66E 0 4.8,4.9b
PDG VII 30 05 02 57.4–.66 38.16N 20.17E 6–1 5.2,5.0L
MOS VII 30 05 02 57.0–1.2 38.17N 20.16E 12 4.9b,4.3s
THE VII 30 05 02 58.4 38.11N 20.27E 0–3 5.5L,4.3s
TEH VII 30 05 02 59.0 38.19N 20.18E 10 5.5L,4.3s
GCMT VII 30 05 03 01.1–.20 38.05N 20.13E 18–1 5.0W,4.3s
ISC Event type ke.
BGS Error ellipse: s-maj=44.9km s-min=55.4km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=8.6km s-min=4.1km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=2.6.
ATH Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=11.5km s-min=10.0km az=106.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=4.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.3km az=0.0.
MOS Error ellipse: s-maj=3.1km s-min=2.0km az=98.2.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.4km az=244.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c51; s83,c141; Moment tensor: Scale 10^{16}Nm; M_{rr}0.09±.13 $M_{\theta\theta}$4.18±.12; $M_{\phi\phi}$-4.27±.11; $M_{r\theta}$0.81±.26; $M_{\theta\theta}$0.85±.09; $M_{\theta r}$-0.37±.26; Best double couple: NP1:ϕ_s39.00000°,δ79.00000°,λ177.00000°. NP2:ϕ_s130.00000°,δ87.00000°,λ11.00000°. Principal axes: T 4.4000,Plg10.0000° ,Azm355.0000°; N 0.0000,Plg78.0000°,Azm145.0000°; P -4.4000,Plg6.0000°,Azm264.0000° M_o4.40000×10^{16}
ISC VII 30 05 13 10.0–.54 38.15N–.02 20.20E–.02 6–3 4.0b 356 0-61
ISCJB VII 30 05 13 08.8–.52 38.18N–.02 20.15E–.02 7–3 4.0b ¶13390415
NEIC VII 30 05 13 08.9 38.10N 20.17E 11 4.0L
ATH VII 30 05 13 08.9 38.09N 20.17E 11–2 4.0L
IDC VII 30 05 13 08.0–1.1 38.10N 20.32E 0 4.1L,4.0b
CSEM VII 30 05 13 09.5–.20 38.16N 20.18E 2 4.5L,4.0b
THE VII 30 05 13 10.1 38.08N 20.26E 2–1 4.5L,4.0b
PDG VII 30 05 13 11.9–.92 38.17N 20.04E 27–5 4.3,4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=28.9.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.3km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=24.1km s-min=14.9km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.8km az=31.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=32.0.
PDG Event type ke. Error ellipse: s-maj=2.2km s-min=2.6km az=0.0.

ISC	**VII**	**30 12 58 25.1–.48**	**40.42N–.03**	**21.88E–.05**	**9–9**		**32**	**0-1**
SKO	VII	30 12 58 23.9	40.32N	21.80E	27	2.1L,1.6		¶13390436
ISCJB	VII	30 12 58 24.7–.48	40.42N–.03	21.88E–.05	5–7	2.1L,1.6		
THE	VII	30 12 58 24.9	40.43N	21.92E	0–1	2.7L,1.6		
CSEM	VII	30 12 58 24.9	40.43N	21.92E	0	2.7L,1.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.9km s-min=4.4km az=166.9.							
THE	Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=321.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.							
ISC	**VII**	**30 17 14 14.1–.38**	**38.76N–.02**	**21.27E–.02**	**1–3**		**153**	**0-5**
CSEM	VII	30 17 14 13.8–.14	38.74N	21.27E	2	3.2		¶12951755
THE	VII	30 17 14 13.7	38.75N	21.28E	0–1	3.5L		
NEIC	VII	30 17 14 13.8	38.76N	21.27E	17	3.2		
ATH	VII	30 17 14 13.8	38.76N	21.27E	17–1	3.2		
ISCJB	VII	30 17 14 14.2–.28	38.74N–.02	21.28E–.02	10	3.2		
ISC	Event type ke.							
CSEM	Event type ke.							
THE	Event type ke.							
NEIC	Event type se. After ATH.							
ISCJB	Event type ke.							
ISC	**VII**	**30 17 59 50.0–1.5**	**38.11N–.07**	**20.25E–.08**	**11–6**		**45**	**0-2**
ISCJB	VII	30 17 59 49.1–1.5	38.12N–.06	20.22E–.07	5–6			¶12951754
ATH	VII	30 17 59 50.5	38.21N	20.32E	17–2	3.3		
THE	VII	30 17 59 50.0	38.10N	20.27E	9–0	2.9L		
NEIC	VII	30 17 59 50.8	38.22N	20.35E	18	3.3		
CSEM	VII	30 17 59 50.2–.56	38.12N	20.31E	10	3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.7km s-min=7.4km az=41.5.							
ATH	Error ellipse: s-maj=3.4km s-min=3.6km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=49.0.							
NEIC	Event type se. After ATH.							
CSEM	Event type ke. Error ellipse: s-maj=12.2km s-min=7.2km az=55.0.							
ISC	**VII**	**31 00 27 39.1–.25**	**40.96N–.02**	**21.11E–.03**	**10**		**171**	**0-6**
NEIC	VII	31 00 27 35.5	41.10N	21.13E	18	3.3,2.7L		¶11163301
ATH	VII	31 00 27 35.5	41.10N	21.13E	18–0	3.3,2.7L		
SKO	VII	31 00 27 36.3	40.97N	20.96E	19	2.6L,2.3		
BEO	VII	31 00 27 36.5–.79	40.90N	20.94E	2–2	2.4L,2.3		
CSEM	VII	31 00 27 37.8–.11	40.95N	21.07E	2	3.6L,2.3		
THE	VII	31 00 27 37.3	40.98N	21.02E	0–3	3.6L,2.3		
PDG	VII	31 00 27 38.2–.47	40.95N	21.08E	14–2	2.7L,2.3		
ISCJB	VII	31 00 27 38.4–.25	40.96N–.02	21.11E–.02	10	2.7L,2.3		
ISC	Event type ke.							
NEIC	Event type se. After ATH.							
CSEM	Event type ke.							
THE	Event type ke.							
PDG	Event type ke.							
ISCJB	Event type ke.							
ISC	**VII**	**31 06 23 31.5–.51**	**38.13N–.04**	**21.69E–.04**	**2–7**		**63**	**0-2**
ATH	VII	31 06 23 30.6	38.18N	21.62E	17–1	3.0		¶12951788
CSEM	VII	31 06 23 30.9–.23	38.10N	21.72E	5	2.9L		
ISCJB	VII	31 06 23 31.1–.49	38.14N–.03	21.69E–.03	5–5	2.9L		
THE	VII	31 06 23 31.1	38.13N	21.75E	14–1	2.9L		
NEIC	VII	31 06 23 31.7	38.17N	21.49E	5	3.0		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=140.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=143.4.							
THE	Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=17.0.							
NEIC	Event type se. After ATH.							
ISC	**VII**	**31 10 03 14.1–2.1**	**38.09N–.07**	**20.3E–.10**	**3–13**		**24**	**0-2**
ATH	VII	31 10 03 13.9	38.18N	20.26E	2	3.1		¶13390496
CSEM	VII	31 10 03 13.4–.77	38.11N	20.23E	5	3.1		
THE	VII	31 10 03 14.2	38.10N	20.28E	3–19	2.5L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=11.7km s-min=37.0km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=14.2km s-min=8.3km az=73.0.							
THE	Event type ke. Error ellipse: s-maj=19.9km s-min=1.3km az=60.0.							
ISC	**VII**	**31 14 59 19.3–.35**	**38.11N–.02**	**21.70E–.02**	**3–5**		**138**	**0-2**
ISCJB	VII	31 14 59 18.8–.32	38.10N–.02	21.69E–.02	10			¶12951780
CSEM	VII	31 14 59 18.8–.11	38.11N	21.70E	2	3.6L		
ATH	VII	31 14 59 19.1	38.11N	21.69E	11–1	3.1L		
THE	VII	31 14 59 19.0	38.12N	21.71E	10–0	3.6L		
NEIC	VII	31 14 59 19.1	38.11N	21.69E	11	3.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=167.1.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=8.0.							
ATH	Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=62.0.							
NEIC	Event type se. After ATH.							
ISC	**VIII**	**01 02 51 01.3–.45**	**40.06N–.02**	**21.37E–.04**	**10–5**		**70**	**0-2**
NEIC	VIII	01 02 51 00.9	40.06N	21.39E	19	3.2		¶12099571
ISCJB	VIII	01 02 51 00.5–.69	40.05N–.03	21.34E–.04	11–5	3.2		
THE	VIII	01 02 51 00.8	40.05N	21.34E	2–21	2.7L		
CSEM	VIII	01 02 51 00.9–.21	40.07N	21.38E	2	3.2		
SKO	VIII	01 02 51 00.4	40.00N	21.39E	0	3.2		
ATH	VIII	01 02 51 00.9	40.06N	21.39E	19–2	3.2		
ISC	Event type ke.							
NEIC	Event type se. After ATH.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=159.1.							
THE	Event type ke. Error ellipse: s-maj=21.2km s-min=0.4km az=0.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.3km s-min=4.1km az=78.0.							
ATH	Error ellipse: s-maj=1.3km s-min=1.0km az=-1.0.							
ISC	**VIII**	**01 18 55 58.5–.86**	**38.08N–.03**	**20.21E–.04**	**1–5**		**104**	**0-8**
TIR	VIII	01 18 55 55.5	38.41N	21.63E	0			¶11255415
ATH	VIII	01 18 55 57.7	38.08N	20.20E	3	3.4		
ISCJB	VIII	01 18 55 58.0–.81	38.11N–.03	20.20E–.04	2–5	3.4		
NEIC	VIII	01 18 55 57.7	38.08N	20.20E	3	3.4		
CSEM	VIII	01 18 55 58.2–.27	38.07N	20.23E	2	3.2L		
THE	VIII	01 18 55 59.6	38.13N	20.27E	1–2	3.2L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=42.3.							
NEIC	Event type se. After ATH.							
CSEM	Event type ke. Error ellipse: s-maj=6.4km s-min=4.1km az=28.0.							
THE	Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=207.0.							
ISC	**VIII**	**02 08 10 45.4–1.2**	**38.14N–.04**	**20.22E–.05**	**1–7**		**73**	**0-8**
CSEM	VIII	02 08 10 44.3–.42	38.06N	20.18E	2	3.5		¶12099594
NEIC	VIII	02 08 10 45.8	38.13N	20.26E	9	3.5		
ATH	VIII	02 08 10 45.8	38.13N	20.26E	9–1	3.5		
THE	VIII	02 08 10 45.1	38.10N	20.25E	0–1	2.5L		
ISCJB	VIII	02 08 10 46.5–.72	38.19N–.03	20.29E–.04	10	2.5L		
ISC	Event type ke.							
CSEM	Event type ke.							
NEIC	Event type se. After ATH.							
THE	Event type ke.							
ISCJB	Event type ke.							
ISC	**VIII**	**02 10 10 30.4–.68**	**38.88N–.03**	**23.75E–.05**	**13–5**		**68**	**0-2**
ISCJB	VIII	02 10 10 30.8–.60	38.90N–.03	23.76E–.05	21–7			¶12099597
CSEM	VIII	02 10 10 30.2–.28	38.87N	23.77E	10–0	2.5L		
THE	VIII	02 10 10 30.8	38.86N	23.72E	3–16	2.5L		
ATH	VIII	02 10 10 30.0	38.92N	23.73E	22–1	3.0,2.6L		
NEIC	VIII	02 10 10 31.9	38.92N	23.78E	5	2.5L,2.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.1km s-min=5.5km az=162.7.							
CSEM	Event type ke. Error ellipse: s-maj=8.0km s-min=4.6km az=86.0.							
THE	Event type ke. Error ellipse: s-maj=16.6km s-min=0.5km az=92.0.							
ATH	Error ellipse: s-maj=1.0km s-min=1.6km az=-1.0.							
NEIC	Event type se. After ATH.							
ISC	**VIII**	**02 20 44 12.3–1.3**	**38.03N–.06**	**20.14E–.07**	**10**		**44**	**0-2**
ISCJB	VIII	02 20 44 11.9–1.2	38.01N–.05	20.17E–.06	10			¶12099604
NEIC	VIII	02 20 44 11.5	38.07N	20.11E	5	3.4		
ATH	VIII	02 20 44 11.5	38.07N	20.11E	5	3.4		
CSEM	VIII	02 20 44 12.0–.65	38.04N	20.15E	2	1.9L		
THE	VIII	02 20 44 14.1	38.12N	20.25E	0–1	1.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.3km s-min=4.7km az=41.4.							
NEIC	Event type se. After ATH.							
ATH	Error ellipse: s-maj=3.8km s-min=3.3km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=12.0km s-min=5.9km az=48.0.							
THE	Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=212.0.							
ISC	**VIII**	**02 22 50 50.8–.47**	**38.14N–.03**	**21.64E–.03**	**19–3**		**67**	**0-1**
THE	VIII	02 22 50 49.7	38.06N	21.70E	27–18			¶12099607
ISCJB	VIII	02 22 50 50.7–.41	38.13N–.03	21.65E–.03	21–4			
NEIC	VIII	02 22 50 50.5	38.13N	21.63E	20	3.0		
ATH	VIII	02 22 50 50.5	38.13N	21.63E	20–1	3.0		
CSEM	VIII	02 22 50 50.6–.21	38.15N	21.64E	20	3.0		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=22.2km s-min=1.9km az=113.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=4.5km az=170.0.							
NEIC	Event type se. After ATH.							
ATH	Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=4.8km az=174.0.							
THE	**VIII**	**03 01 12 47.9**	**38.45N**	**22.04E**	**2–13**	**0.7L**		
CSEM	VIII	03 01 12 47.9	38.45N	22.04E	2	0.7L		¶15196498
THE	Event type ke. Error ellipse: s-maj=13.2km s-min=1.0km az=157.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.							
ISC	**VIII**	**03 04 16 52.5–.70**	**38.09N–.03**	**20.18E–.03**	**0–4**		**148**	**0-5**
ISCJB	VIII	03 04 16 52.7–.39	38.07N–.03	20.17E–.03	10			¶12099630
ATH	VIII	03 04 16 52.4	38.08N	20.14E	14–2	3.6		
NEIC	VIII	03 04 16 52.4	38.08N	20.14E	14	3.6		
CSEM	VIII	03 04 16 53.1–.23	38.08N	20.22E	2	3.1L		
THE	VIII	03 04 16 54.2	38.15N	20.26E	3–1	3.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=21.7.							
ATH	Error ellipse: s-maj=2.0km s-min=2.6km az=-1.0.							
NEIC	Event type se. After ATH.							
CSEM	Event type ke. Error ellipse: s-maj=5.8km s-min=3.5km az=25.0.							
THE	Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=46.0.							
THE	**VIII**	**03 10 41 45.7**	**38.32N**	**22.15E**	**8–1**	**2.6L**		
ATH	VIII	03 10 41 45.5	38.33N	22.11E	20–3	2.9		¶14711403
NEIC	VIII	03 10 41 45.5	38.33N	22.11E	20	2.9		
CSEM	VIII	03 10 41 45.2–.13	38.35N	22.13E	10	2.6L		
THE	Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=307.0.							
ATH	Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.							
NEIC	Event type se. After ATH.							
CSEM	Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=95.0.							
ISC	**VIII**	**03 15 58 54.4–.45**	**38.11N–.03**	**21.54E–.03**	**17–3**		**67**	**0-2**
THE	VIII	03 15 58 52.8	38.03N	21.62E	7–22	2.2L		¶12099654
NEIC	VIII	03 15 58 53.9	38.10N	21.54E	18	3.2		
ATH	VIII	03 15 58 53.9	38.10N	21.54E	18–1	3.2		
ISCJB	VIII	03 15 58 54.4–.43	38.09N–.03	21.56E–.03	18–4	3.2		
CSEM	VIII	03 15 58 54.2–.21	38.12N	21.53E	20	3.2		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=22.3km s-min=0.6km az=324.0.							
NEIC	Event type se. After ATH.							
ATH	Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=150.2.							
CSEM	Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=156.0.							
ISC	**VIII**	**04 00 29 25.9–.52**	**38.12N–.03**	**21.31E–.03**	**1–5**		**89**	**0-2**
ISCJB	VIII	04 00 29 25.9–.46	38.09N–.03	21.33E–.03	10			¶12099665
NEIC	VIII	04 00 29 25.8	38.10N	21.26E	3	3.0		
ATH	VIII	04 00 29 25.8	38.10N	21.26E	3–3	3.0		
CSEM	VIII	04 00 29 26.0–.20	38.10N	21.34E	2	3.0		
THE	VIII	04 00 29 26.9	38.15N	21.40E	0–2	2.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=174.6.							
NEIC	Event type se. After ATH.							
ATH	Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=159.0.							
THE	Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=178.0.							
ISC	**VIII**	**04 00 41 06.2–.43**	**38.10N–.02**	**21.33E–.02**	**6–4**		**112**	**0-2**
NEIC	VIII	04 00 41 03.0	38.09N	21.11E	4	3.4		¶13390808
ISCJB	VIII	04 00 41 05.6–.43	38.11N–.02	21.33E–.02	3–4	3.4		
CSEM	VIII	04 00 41 05.9–.22	38.12N	21.34E	7–0	3.0		
THE	VIII	04 00 41 05.8	38.12N	21.35E	22–5	2.3L		
ATH	VIII	04 00 41 06.3	38.14N	21.30E	7–3	3.0		
ISC	Event type ke.							
NEIC	Event type se. After ATH.							
ISCJB	Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=177.8.							
CSEM	Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=6.0.							
THE	Event type ke. Error ellipse: s-maj=5.1km s-min=0.5km az=16.0.							
ATH	Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.							
THE	**VIII**	**04 17 06 27.5**	**38.02N**	**21.75E**	**22–1**	**2.4L**		
CSEM	VIII	04 17 06 26.9–.27	38.03N	21.76E	27–3	2.4L		¶14711419
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=79.0.							
CSEM	Event type ke. Error ellipse: s-maj=6.8km s-min=4.0km az=165.0.							
ISC	**VIII**	**04 22 26 45.8–.43**	**38.58N–.03**	**22.94E–.04**	**14–4**		**55**	**0-1**
ISCJB	VIII	04 22 26 45.9–.43	38.58N–.03	22.93E–.04	11–3			¶12099680
ATH	VIII	04 22 26 45.6	38.66N	22.96E	52	2.7		
NEIC	VIII	04 22 26 45.6	38.66N	22.96E	52	2.7		
THE	VIII	04 22 26 45.8	38.58N	22.93E	14–1	1.7L		
CSEM	VIII	04 22 26 45.6–.13	38.59N	22.93E	10	1.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=36.2.							
ATH	Error ellipse: s-maj=20.2km s-min=41.8km az=-1.0.							
NEIC	Event type se. After ATH.							
THE	Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=340.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=123.0.							
THE	**VIII**	**04 23 33 32.1**	**38.07N**	**20.24E**	**0–1**	**2.8L**		
CSEM	VIII	04 23 33 31.4–.44	38.04N	20.19E	2	2.8L		¶13563519
TIR	VIII	04 23 33 40.1–9.9	39.96N	18.26E	0–88	2.8L		
THE	Event type ke. Error ellipse: s-maj=2.3km s-min=1.1km az=241.0.							
CSEM	Event type ke. Error ellipse: s-maj=8.7km s-min=5.0km az=51.0.							
TIR	Error ellipse: s-maj=43.4km s-min=83.5km az=-1.0.							
ISC	**VIII**	**05 07 08 48.3–.37**	**38.03N–.02**	**21.54E–.02**	**5–3**		**165**	**0-2**
ISCJB	VIII	05 07 08 48.4–.31	38.04N–.02	21.55E–.02	10			¶12099690
CSEM	VIII	05 07 08 48.1–.19	38.04N	21.55E	2	3.5		
THE	VIII	05 07 08 48.5	38.03N	21.59E	0–2	3.1L		
ATH	VIII	05 07 08 48.6	38.04N	21.53E	8–1	3.5		
NEIC	VIII	05 07 08 48.6	38.04N	21.53E	8	3.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.4km s-min=2.4km az=2.2.							
CSEM	Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=72.0.							
THE	Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=233.0.							
ATH	Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.							
NEIC	Event type se. After ATH.							
ISC	**VIII**	**05 23 59 12.6–1.2**	**38.04N–.04**	**20.22E–.06**	**1–6**		**77**	**0-3**
THE	VIII	05 23 59 12.7	38.05N	20.21E	0–2	2.5L		¶12099708
CSEM	VIII	05 23 59 13.6–.60	38.10N	20.29E	2	3.6		
ISCJB	VIII	05 23 59 14.4–.89	38.08N–.04	20.30E–.06	10	3.6		
ATH	VIII	05 23 59 14.9	38.04N	20.40E	8–2	3.6		
NEIC	VIII	05 23 59 14.9	38.04N	20.40E	8	3.6		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=4.1km s-min=2.0km az=230.0.							
CSEM	Event type ke. Error ellipse: s-maj=11.3km s-min=6.9km az=64.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=149.8.							
ATH	Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.							
NEIC	Event type se. After ATH.							
ISC	**VIII**	**06 12 46 19.4–.47**	**38.87N–.02**	**23.53E–.03**	**13–3**		**103**	**0-2**
ISCJB	VIII	06 12 46 19.0–.54	38.87N–.02	23.51E–.03	8–4			¶12099720
THE	VIII	06 12 46 19.5	38.88N	23.50E	11–1	2.3L		
NEIC	VIII	06 12 46 19.8	38.84N	23.43E	5	2.7L		

CSEM VIII 06 12 46 19.3–.14 38.87N 23.52E 15 2.7L
ATH VIII 06 12 46 19.8 38.84N 23.43E 5–2 3.0,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=11.2.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=267.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=91.0.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
ISC VIII 06 21 08 00.5–.38 38.92N–.02 23.02E–.03 14–3 82 0-1
ISCJB VIII 06 21 08 00.3–.48 38.92N–.02 23.03E–.03 11–3 **¶12099731**
NEIC VIII 06 21 08 00.6 38.92N 23.02E 15 2.7
ATH VIII 06 21 08 00.6 38.92N 23.02E 15–6 2.7
THE VIII 06 21 08 00.6 38.91N 23.01E 8–1 2.1L
CSEM VIII 06 21 08 00.4–.20 38.93N 23.02E 20 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=19.2.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=308.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=115.0.
ISC VIII 07 01 05 51.8–.31 39.34N–.01 21.50E–.02 8–2 3.7b 339 0-44
IDC VIII 07 01 05 49.8–1.2 39.36N 21.60E 0 3.8,3.7b **¶11255428**
CSEM VIII 07 01 05 50.8–.10 39.33N 21.51E 2 3.4L,3.7b
ISCJB VIII 07 01 05 50.7–.46 39.36N–.01 21.46E–.02 8–3 3.7b,3.7b
TIR VIII 07 01 05 50.8 39.19N 21.46E 0 4.2L,3.7b
NEIC VIII 07 01 05 50.9 39.32N 21.46E 24 3.3L,3.7b
SKO VIII 07 01 05 50.1 39.24N 21.45E 5 3.3L,3.7b
ATH VIII 07 01 05 50.9 39.32N 21.46E 24–1 3.4,3.2L
THE VIII 07 01 05 51.3 39.36N 21.47E 3–1 3.4L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=14.6km az=131.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=152.6.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=233.0.
ISC VIII 07 20 33 54.5–1.8 38.13N–.06 20.2E–.10 5–7 34 0-2
THE VIII 07 20 33 53.0 38.00N 20.19E 0–5 2.0L **¶13391093**
CSEM VIII 07 20 33 56.2–.84 38.19N 20.38E 15 3.5
ATH VIII 07 20 33 57.3 38.10N 20.41E 5–4 3.5
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=7.6km s-min=3.2km az=255.0.
CSEM Event type ke. Error ellipse: s-maj=17.9km s-min=9.4km az=69.0.
ATH Error ellipse: s-maj=2.4km s-min=2.8km az=-1.0.
ISC VIII 08 08 10 28.6–.87 40.32N–.04 21.84E–.09 19–7 10 0-1
ATH VIII 08 08 10 25.7 40.55N 21.81E 10 3.0 **¶13391125**
SKO VIII 08 08 10 27.8 40.25N 21.79E 19 1.8L,1.4
ISCJB VIII 08 08 10 29.1–1.0 40.28N–.05 21.82E–.10 17–9 1.8L,1.4
ISC VIII 08 10 16 19.4–.54 38.45N–.03 21.96E–.04 13–4 49 0-1
CSEM VIII 08 10 16 18.7–.13 38.44N 21.96E 15 2.2L **¶12099789**
ISCJB VIII 08 10 16 19.3–.51 38.45N–.03 21.97E–.04 12–5 2.2L
ATH VIII 08 10 16 19.9 38.43N 22.00E 5–4 2.7
NEIC VIII 08 10 16 19.9 38.43N 22.00E 5 2.7
THE VIII 08 10 16 19.4 38.47N 21.95E 10–1 2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.8km az=136.9.
ATH Error ellipse: s-maj=0.6km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=232.0.
ISC VIII 09 06 41 52.8–.74 38.01N–.06 21.59E–.03 19–4 41 0-1
ATH VIII 09 06 41 50.1 38.28N 21.48E 17 2.8 **¶13391226**
CSEM VIII 09 06 41 51.9–.41 37.97N 21.61E 20 1.8L
ISCJB VIII 09 06 41 53.0–.65 38.02N–.06 21.58E–.04 20–6 1.8L
THE VIII 09 06 41 53.2 38.06N 21.58E 16–1 1.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=4.0km az=167.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=4.3km az=169.7.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=168.0.
ISC VIII 09 11 37 57.7–.90 40.34N–.04 21.9E–.10 18–9 16 0-1
ATH VIII 09 11 37 51.7 40.69N 21.71E 3 3.1 **¶13391235**
CSEM VIII 09 11 37 51.7 40.69N 21.71E 3 3.1
SKO VIII 09 11 37 56.4 40.24N 21.73E 8 2.0L,1.6
ISCJB VIII 09 11 37 58.3–.91 40.33N–.06 21.9E–.10 16–15 2.0L,1.6
ISC Event type ke.
CSEM Event type ke. After ATH.
ISCJB Event type ke.
ISC VIII 11 10 32 14.5–.53 39.37N–.02 21.75E–.05 10–5 69 0-2
ISCJB VIII 11 10 32 13.9–.57 39.37N–.02 21.75E–.05 6–5 **¶12099870**
ATH VIII 11 10 32 14.7 39.35N 21.84E 21–1 3.0
NEIC VIII 11 10 32 14.7 39.35N 21.84E 21 3.0
CSEM VIII 11 10 32 14.6–.22 39.37N 21.76E 20 3.0
THE VIII 11 10 32 14.2 39.36N 21.77E 8–2 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.1km az=0.1.
ATH Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.4km az=89.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=103.0.
ISC VIII 13 00 28 52.7–.48 38.67N–.03 22.59E–.03 15–6 55 0-1
ISCJB VIII 13 00 28 52.4–.41 38.67N–.03 22.58E–.03 12–5 **¶12099896**
CSEM VIII 13 00 28 52.4–.20 38.67N 22.59E 19–0 1.6L
THE VIII 13 00 28 52.4 38.66N 22.58E 16–0 1.6L
ATH VIII 13 00 28 53.0 38.67N 22.60E 8 2.7
NEIC VIII 13 00 28 53.0 38.67N 22.60E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=142.6.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=133.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=174.0.
ATH Error ellipse: s-maj=4.2km s-min=3.4km az=-1.0.
NEIC Event type se. After ATH.
ISC VIII 13 11 22 39.6–.94 40.40N–.06 21.79E–.08 17–4 27 0-1
NEIC VIII 13 11 22 38.9 40.44N 21.81E 16 3.2 **¶12099909**
ATH VIII 13 11 22 38.9 40.44N 21.81E 16–3 3.2
CSEM VIII 13 11 22 38.9 40.44N 21.81E 16 3.2
ISCJB VIII 13 11 22 39.6–.84 40.39N–.06 21.85E–.10 16–7 3.2
SKO VIII 13 11 22 39.6 40.38N 21.88E 20 3.2
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.1km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=9.3km az=11.1.
ISC VIII 13 13 45 04.0–.55 38.75N–.03 23.75E–.05 26–5 48 0-2
ATH VIII 13 13 45 03.5 38.75N 23.79E 28–1 2.9,2.4L **¶13391635**
CSEM VIII 13 13 45 03.7–.24 38.74N 23.75E 19–0 1.7L,2.4L
ISCJB VIII 13 13 45 04.0–.54 38.75N–.03 23.76E–.05 28–5 1.7L,2.4L
THE VIII 13 13 45 04.6 38.76N 23.70E 1–3 1.7L,2.4L
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.3km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.7km az=169.7.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.8km az=100.0.
ISC VIII 14 15 52 34.4–.48 38.04N–.03 20.32E–.03 10 129 0-8
ISCJB VIII 14 15 52 33.7–.49 38.06N–.03 20.27E–.03 10 **¶12099940**
CSEM VIII 14 15 52 33.7–.26 38.06N 20.33E 2 2.9L
ATH VIII 14 15 52 33.0 38.00N 20.29E 9–1 3.5
NEIC VIII 14 15 52 33.0 38.00N 20.29E 9 3.5
THE VIII 14 15 52 35.3 38.11N 20.44E 0–2 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=28.9.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.1km az=26.0.
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=212.0.
ISC VIII 15 10 57 31.8–.70 38.13N–.03 20.23E–.04 10 110 0-4
NEIC VIII 15 10 57 28.3 38.01N 20.09E 8 3.5 **¶12099961**
ATH VIII 15 10 57 28.3 38.01N 20.09E 8–1 3.5
CSEM VIII 15 10 57 29.6–.43 38.10N 20.15E 2 2.6L
ISCJB VIII 15 10 57 31.8–.66 38.16N–.03 20.24E–.04 10 2.6L
THE VIII 15 10 57 31.1 38.18N 20.25E 1–1 2.6L
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=4.3km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=135.9.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=228.0.
ISC VIII 15 19 48 22.9–.57 40.88N–.03 23.96E–.04 17–8 44 0-2
THE VIII 15 19 48 22.9 40.88N 23.98E 16–1 1.9L **¶14711465**
ATH VIII 15 19 48 22.0 40.78N 24.03E 5 3.0
NEIC VIII 15 19 48 22.0 40.78N 24.03E 5 3.0
CSEM VIII 15 19 48 23.0–.07 40.88N 23.97E 12 1.9L
ISCJB VIII 15 19 48 23.2–.52 40.89N–.03 23.98E–.04 18–18 1.9L
SKO VIII 15 19 48 25.1 40.93N 23.89E 1 1.7L,1.5
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=44.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.7km az=9.4.
ISC VIII 15 23 41 17.7–.70 38.35N–.03 21.86E–.03 11–6 52 0-1
ISCJB VIII 15 23 41 17.3–.43 38.36N–.03 21.85E–.03 10 **¶13391832**
THE VIII 15 23 41 17.0 38.35N 21.82E 12–1 1.5L
ATH VIII 15 23 41 17.2 38.34N 21.90E 10–2 3.0
CSEM VIII 15 23 41 17.2–.16 38.36N 21.84E 5 1.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=147.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=258.0.
ATH Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=146.0.
ISC VIII 16 00 29 19.1–.85 38.04N–.03 20.17E–.04 5–4 125 0-8
CSEM VIII 16 00 29 19.4–.39 38.06N 20.17E 2 3.7 **¶12099971**
ATH VIII 16 00 29 19.7 38.08N 20.24E 16–1 3.7
ISCJB VIII 16 00 29 19.0–.64 38.06N–.03 20.19E–.04 10 3.7
NEIC VIII 16 00 29 19.7 38.08N 20.24E 16 3.7
THE VIII 16 00 29 20.4 38.08N 20.24E 0–2 2.5L
SKO VIII 16 00 29 32.0 38.88N 20.32E 2 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.6km az=58.0.
ATH Error ellipse: s-maj=1.4km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=136.1.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.5km az=230.0.
ISC VIII 16 06 21 49.3–.57 38.37N–.02 22.31E–.03 14–6 76 0-1
ISCJB VIII 16 06 21 48.7–.40 38.37N–.02 22.32E–.03 14–4 **¶13391861**
CSEM VIII 16 06 21 48.9–.09 38.38N 22.30E 10 1.9L
ATH VIII 16 06 21 49.3 38.37N 22.32E 10–7 2.7
THE VIII 16 06 21 49.4 38.36N 22.32E 9–1 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=14.9.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=32.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=316.0.
ISC VIII 16 09 32 08.4–.59 38.47N–.03 21.83E–.04 12–6 56 0-1
ISCJB VIII 16 09 32 07.9–.62 38.48N–.03 21.82E–.04 12–6 **¶12099981**
CSEM VIII 16 09 32 07.8–.21 38.47N 21.84E 15 1.6L
NEIC VIII 16 09 32 08.4 38.49N 21.78E 5 2.9
ATH VIII 16 09 32 08.4 38.49N 21.78E 5–3 2.9
THE VIII 16 09 32 08.0 38.45N 21.83E 14–1 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=41.3.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.5km az=127.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=172.0.
ISC VIII 16 14 15 36.3–.75 38.11N–.07 21.61E–.07 28–6 28 0-1
ATH VIII 16 14 15 35.8 38.12N 21.59E 29–1 2.9 **¶13391879**
ISCJB VIII 16 14 15 36.3–.76 38.11N–.07 21.61E–.06 28–6 2.9
CSEM VIII 16 14 15 36.2–.19 38.12N 21.62E 28–2 2.9
THE VIII 16 14 15 36.9 38.12N 21.61E 22–4 1.7L
ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=6.9km az=153.2.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=162.0.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=0.9km az=47.0.
ISC VIII 16 20 21 49.6–.31 40.21N–.01 21.50E–.02 7–2 3.6b 398 0-29
TIR VIII 16 20 21 47.8–2.4 40.17N 21.44E 18–11 3.6b **¶11255455**
SOF VIII 16 20 21 47.4 40.34N 21.34E 8 3.3
ISCJB VIII 16 20 21 48.6–.31 40.21N–.01 21.51E–.02 4–2 3.6b
PDG VIII 16 20 21 49.8–.70 40.22N 21.60E 11–1 3.4L
ATH VIII 16 20 21 49.2 40.21N 21.48E 25–0 3.8L
NEIC VIII 16 20 21 49.2 40.21N 21.48E 25 3.8L,3.4L
THE VIII 16 20 21 49.9 40.23N 21.51E 10–1 3.3L,3.4L
CSEM VIII 16 20 21 49.4–.10 40.23N 21.49E 10 3.3L,3.4L
SKO VIII 16 20 21 50.3 40.21N 21.48E 5 3.2L,2.8
IDC VIII 16 20 21 51.3–4.1 40.18N 21.23E 51–36 3.6,3.4b
ISC Event type ke.
TIR Error ellipse: s-maj=9.6km s-min=17.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=149.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.4km az=0.0.
ATH Error ellipse: s-maj=0.9km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=330.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=44.0.
IDC Error ellipse: s-maj=39.5km s-min=23.5km az=1.0.
ISC VIII 17 07 21 24.8–.37 38.14N–.02 21.60E–.03 17–2 109 0-2
ISCJB VIII 17 07 21 24.9–.34 38.14N–.02 21.60E–.03 18–4 **¶12100002**
NEIC VIII 17 07 21 24.1 38.15N 21.57E 23 3.1
ATH VIII 17 07 21 24.1 38.15N 21.57E 23–1 3.1
THE VIII 17 07 21 24.6 38.11N 21.63E 16–0 2.4L
CSEM VIII 17 07 21 24.5–.19 38.16N 21.59E 20 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=156.7.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=25.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=166.0.
ISC VIII 17 11 21 01.1–.82 40.41N–.03 21.89E–.04 10–15 33 0-1
ATH VIII 17 11 20 49.4 41.02N 21.55E 5 3.2 **¶13391927**
ISCJB VIII 17 11 21 00.5–.52 40.41N–.03 21.89E–.04 10 3.2
SKO VIII 17 11 21 00.2 40.29N 21.70E 4 3.2
CSEM VIII 17 11 21 00.9–.11 40.41N 21.89E 5 1.8L
THE VIII 17 11 21 01.0 40.41N 21.90E 7–3 1.8L
ISC Event type ke.
ATH Error ellipse: s-maj=2.9km s-min=4.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=147.9.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=43.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.6km az=224.0.
ISC VIII 19 07 52 51.7–.53 38.82N–.03 20.96E–.03 15–6 65 0-2
ATH VIII 19 07 52 50.2 38.84N 20.88E 9–5 3.3 **¶12100052**
NEIC VIII 19 07 52 50.2 38.84N 20.88E 9 3.3
ISCJB VIII 19 07 52 51.1–.50 38.82N–.03 20.97E–.03 10–8 3.3
CSEM VIII 19 07 52 51.0–.21 38.79N 20.95E 12 2.2L
THE VIII 19 07 52 51.7 38.81N 20.99E 11–3 2.2L

ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=18.9.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.8km az=177.0.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.9km az=226.0.
ISC VIII 19 08 48 35.9–.39 38.13N–.03 21.52E–.03 18–2 90 0-2
ISCJB VIII 19 08 48 35.9–.37 38.12N–.03 21.53E–.03 19–3 ¶12100054
ATH VIII 19 08 48 35.4 38.12N 21.52E 19–1 3.2
THE VIII 19 08 48 35.7 38.06N 21.56E 10–1 2.3L
NEIC VIII 19 08 48 35.4 38.12N 21.52E 19 3.2
CSEM VIII 19 08 48 35.5–.18 38.14N 21.52E 18–1 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=164.7.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=164.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=160.0.
ISC VIII 19 22 13 23.3–.79 38.29N–.04 21.89E–.03 7–8 42 0-1
ISCJB VIII 19 22 13 22.7–.82 38.29N–.04 21.89E–.03 10–7 ¶13392146
CSEM VIII 19 22 13 22.9–.12 38.29N 21.90E 5 1.1L
THE VIII 19 22 13 22.5 38.29N 21.86E 10–1 1.1L
ATH VIII 19 22 13 22.6 38.29N 21.93E 5–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=173.4.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=161.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=243.0.
ATH Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISC VIII 20 02 13 16.6–.76 38.41N–.03 22.00E–.04 11–6 45 0-1
ISCJB VIII 20 02 13 16.0–.82 38.41N–.03 22.00E–.04 14–6 ¶13392161
CSEM VIII 20 02 13 15.5–.13 38.42N 21.99E 15 1.6L
THE VIII 20 02 13 16.7 38.40N 22.00E 10–1 1.6L
ATH VIII 20 02 13 16.4 38.41N 22.01E 11–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.7km az=12.8.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=105.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=246.0.
ATH Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0.
ISC VIII 20 03 20 48.4–.45 38.44N–.02 22.44E–.03 8–7 78 0-1
ISCJB VIII 20 03 20 48.0–.43 38.43N–.02 22.45E–.02 7–7 ¶13392166
CSEM VIII 20 03 20 47.6–.19 38.44N 22.42E 14–0 2.1L
THE VIII 20 03 20 48.3 38.43N 22.44E 5–3 2.1L
ATH VIII 20 03 20 48.1 38.45N 22.44E 11 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=179.3.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=43.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.5km az=134.0.
ATH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
ATH VIII 20 10 52 06.3 38.25N 21.07E 30–1 3.5
CSEM VIII 20 10 52 06.3 38.25N 21.07E 30 3.5 ¶13392187
ATH Error ellipse: s-maj=3.5km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VIII 21 12 54 32.7–.82 38.26N–.03 22.02E–.04 20–6 46 0-1
CSEM VIII 21 12 54 32.7–.26 38.26N 22.03E 15 1.5L ¶12100128
ATH VIII 21 12 54 32.6 38.24N 22.02E 9–5 2.7
NEIC VIII 21 12 54 32.6 38.24N 22.02E 9 2.7
ISCJB VIII 21 12 54 33.4–.62 38.26N–.03 22.05E–.04 16–6 2.7
THE VIII 21 12 54 34.8 38.36N 22.01E 10–1 1.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=6.0km az=89.0.
ATH Error ellipse: s-maj=0.6km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.3km az=0.9.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=290.0.
ISC VIII 22 19 49 46.5–.53 38.10N–.03 20.69E–.03 11–3 117 0-5
THE VIII 22 19 49 43.8 37.95N 20.60E 0–2 2.8L ¶12100166
ISCJB VIII 22 19 49 46.9–.46 38.11N–.03 20.74E–.03 10 2.8L
ATH VIII 22 19 49 46.9 38.13N 20.75E 5–1 2.8L
NEIC VIII 22 19 49 46.9 38.13N 20.75E 5 2.8L
CSEM VIII 22 19 49 47.0–.21 38.15N 20.81E 0–1 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.1km az=228.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=37.4.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=26.0.
ISC VIII 23 03 01 22.6–.65 38.30N–.03 22.11E–.04 11–6 55 0-1
CSEM VIII 23 03 01 21.9–.10 38.31N 22.10E 14–0 1.6L ¶12100175
ISCJB VIII 23 03 01 22.2–.67 38.30N–.03 22.11E–.04 13–5 1.6L
ATH VIII 23 03 01 22.3 38.29N 22.12E 11–3 2.9
THE VIII 23 03 01 22.7 38.30N 22.11E 10–0 1.6L
NEIC VIII 23 03 01 22.3 38.29N 22.12E 11 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=22.7.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=285.0.
NEIC Event type se. After ATH.
ISC VIII 23 21 58 10.3–.47 38.27N–.02 23.54E–.04 17–4 60 0-1
ISCJB VIII 23 21 58 10.0–1.5 38.28N–.02 23.54E–.04 13–12 ¶13392428
ATH VIII 23 21 58 10.2 38.27N 23.52E 19–1 2.8,2.2L
THE VIII 23 21 58 10.4 38.28N 23.53E 17–2 1.3L,2.2L
CSEM VIII 23 21 58 10.1–.15 38.28N 23.53E 15 2.8,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=151.7.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=294.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=69.0.
ISC VIII 24 01 28 01.6–.40 38.04N–.02 21.56E–.03 9–4 118 0-2
ISCJB VIII 24 01 28 01.0–.40 38.02N–.02 21.56E–.03 3–5 ¶12100194
NEIC VIII 24 01 28 01.4 38.03N 21.58E 14 2.9
ATH VIII 24 01 28 01.4 38.03N 21.58E 14–1 2.9
CSEM VIII 24 01 28 01.3–.18 38.03N 21.56E 8 2.9
THE VIII 24 01 28 01.3 38.04N 21.55E 0–2 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=15.8.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.5km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=107.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=266.0.
ISC VIII 24 13 11 50.1–.68 38.11N–.07 21.67E–.04 27–6 31 0-1
ISCJB VIII 24 13 11 49.9–.67 38.08N–.07 21.68E–.04 25–6 ¶13392481
CSEM VIII 24 13 11 49.7–.27 38.10N 21.67E 28–2 2.8
ATH VIII 24 13 11 49.8 38.12N 21.61E 26–1 2.8
THE VIII 24 13 11 49.6 38.22N 21.73E 56–4 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=4.9km az=167.1.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=4.7km az=165.0.
ATH Error ellipse: s-maj=0.9km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.9km az=43.0.
ISC VIII 24 13 49 08.6–.41 38.87N–.02 21.22E–.03 8–3 121 0-3
ISCJB VIII 24 13 49 08.0–.41 38.87N–.02 21.22E–.03 6–3 ¶12100208
THE VIII 24 13 49 08.7 38.82N 21.22E 12–3 2.3L
ATH VIII 24 13 49 08.1 38.87N 21.22E 22–0 3.4
NEIC VIII 24 13 49 08.1 38.87N 21.22E 22 3.4
CSEM VIII 24 13 49 08.7–.22 38.84N 21.19E 19–0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=33.4.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=1.0km az=193.0.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
NEIC Event type se. After ATH.

CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=21.0.
ISC VIII 25 08 08 54.8–.50 38.10N–.03 21.60E–.03 19–4 69 0-1
CSEM VIII 25 08 08 54.8–.27 38.12N 21.59E 20 2.8 ¶12100227
THE VIII 25 08 08 54.7 38.10N 21.60E 0–2 2.4L
ATH VIII 25 08 08 54.4 38.11N 21.60E 24–3 2.8
NEIC VIII 25 08 08 54.4 38.11N 21.60E 24 2.8
ISCJB VIII 25 08 08 55.2–.47 38.12N–.04 21.59E–.03 18–6 2.8
ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
NEIC Event type se. After ATH.
ISCJB Event type ke.
ISC VIII 26 21 45 33.5–.59 38.42N–.03 21.86E–.03 12–5 57 0-1
ISCJB VIII 26 21 45 32.9–.58 38.42N–.03 21.85E–.03 14–4 ¶12100266
CSEM VIII 26 21 45 32.9–.16 38.43N 21.86E 15 2.6
ATH VIII 26 21 45 33.6 38.41N 21.89E 10–1 2.6
NEIC VIII 26 21 45 33.6 38.41N 21.89E 10 2.6
THE VIII 26 21 45 33.4 38.42N 21.83E 2–17 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=160.2.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=135.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=17.0km s-min=0.3km az=0.0.
ISC VIII 27 07 24 42.5–.29 40.33N–.02 22.78E–.02 11–2 177 0-6
SKO VIII 27 07 24 39.8 40.25N 22.92E 0 3.2L,2.8 ¶11255489
ATH VIII 27 07 24 41.7 40.34N 22.79E 25–1 3.2L,2.8
ISCJB VIII 27 07 24 41.9–.29 40.34N–.02 22.79E–.02 11–2 3.2L,2.8
CSEM VIII 27 07 24 42.2–.09 40.34N 22.77E 10 3.2L,2.8
THE VIII 27 07 24 42.4 40.36N 22.77E 12–0 3.2L,2.8
NEIC VIII 27 07 24 43.0 40.37N 22.77E 5 3.2L,2.8
TIR VIII 27 07 25 05.6–4.3 40.43N 21.17E 0–24 3.8L,2.8
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=37.8.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=116.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=41.0.
NEIC Event type se. After ATH.
TIR Error ellipse: s-maj=12.8km s-min=32.8km az=-1.0.
ISC VIII 27 15 30 35.3–.39 38.93N–.02 23.70E–.03 13–3 125 0-2
ISCJB VIII 27 15 30 34.6–.39 38.92N–.01 23.70E–.03 10–3 ¶12100288
ATH VIII 27 15 30 34.7 38.93N 23.71E 26–0 3.4,2.6L
NEIC VIII 27 15 30 34.7 38.93N 23.71E 26 2.6L,2.6L
CSEM VIII 27 15 30 34.9–.11 38.92N 23.70E 12 2.2L,2.6L
THE VIII 27 15 30 35.4 38.93N 23.66E 12–0 2.2L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=174.7.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=86.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=34.0.
ISC VIII 28 09 31 01.9–.33 40.68N–.02 23.33E–.03 14–3 100 0-3
NEIC VIII 28 09 31 00.8 40.69N 23.32E 25 3.0 ¶11747533
ATH VIII 28 09 31 00.8 40.69N 23.32E 25–1 3.0
CSEM VIII 28 09 31 01.7–.16 40.64N 23.31E 10 3.0
SKO VIII 28 09 31 01.7 40.64N 23.36E 0 2.7L,2.4
ISCJB VIII 28 09 31 01.6–.33 40.66N–.02 23.33E–.03 11–3 2.7L,2.4
THE VIII 28 09 31 01.9 40.66N 23.34E 12–1 2.7L,2.4
BEO VIII 28 09 31 07.4–1.6 40.90N 23.31E 4–8 2.5L,2.4
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.9km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=176.5.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=276.0.
ISC VIII 28 21 56 42.8–.39 38.92N–.02 23.70E–.03 14–3 90 0-2
ATH VIII 28 21 56 41.5 38.96N 23.79E 19–2 2.8,2.1L ¶13392865
ISCJB VIII 28 21 56 42.2–.39 38.92N–.02 23.70E–.03 12–3 2.8,2.1L
CSEM VIII 28 21 56 42.3–.12 38.90N 23.71E 12 1.9L,2.1L
THE VIII 28 21 56 43.6 38.96N 23.61E 11–0 1.9L,2.1L
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=2.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=9.7.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.9km az=99.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=144.0.
ISC VIII 29 12 22 16.7–.48 38.41N–.03 22.22E–.04 24–4 53 0-1
ISCJB VIII 29 12 22 16.6–.48 38.42N–.04 22.20E–.04 25–4 ¶12100347
ATH VIII 29 12 22 16.0 38.41N 22.17E 32–2 2.9
NEIC VIII 29 12 22 16.0 38.41N 22.17E 32 2.9
CSEM VIII 29 12 22 16.1–.22 38.38N 22.19E 28–1 1.6L
THE VIII 29 12 22 18.3 38.41N 22.26E 2–31 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.3km az=166.6.
ATH Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.3km az=132.0.
THE Event type ke. Error ellipse: s-maj=31.1km s-min=0.5km az=254.0.
ISC VIII 30 04 50 43.9–.53 40.63N–.03 23.75E–.04 16–6 49 0-2
ISCJB VIII 30 04 50 43.6–.52 40.64N–.03 23.75E–.04 14–7 ¶12100364
NEIC VIII 30 04 50 43.6 40.66N 23.63E 29 3.0
ATH VIII 30 04 50 43.6 40.66N 23.63E 29–2 3.0
CSEM VIII 30 04 50 43.6–.22 40.63N 23.74E 15 3.0
THE VIII 30 04 50 44.3 40.64N 23.76E 3–14 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.5km az=161.5.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.6km az=86.0.
THE Event type ke. Error ellipse: s-maj=14.8km s-min=0.4km az=213.0.
ATH VIII 30 08 28 04.6 38.16N 21.61E 5 3.3
CSEM VIII 30 08 28 03.4–.31 38.15N 21.71E 2 1.9L ¶13392943
THE VIII 30 08 28 03.2 38.18N 21.77E 1–2 1.9L
ATH Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.9km az=151.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=248.0.
ISC IX 02 09 25 04.5–.38 38.42N–.02 21.81E–.03 14–2 82 0-2
ISCJB IX 02 09 25 04.2–.46 38.45N–.03 21.82E–.03 13–2 ¶12951843
ATH IX 02 09 25 04.0 38.40N 21.82E 16–1 2.9,2.6L
NEIC IX 02 09 25 04.0 38.40N 21.82E 16 2.6L,2.6L
THE IX 02 09 25 04.7 38.43N 21.78E 1–2 2.4L,2.6L
CSEM IX 02 09 25 04.0–.17 38.44N 21.81E 10 2.9,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=17.3.
ATH Error ellipse: s-maj=0.5km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=342.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=23.0.
ISC IX 02 21 08 42.0–.63 38.01N–.07 21.54E–.03 27–5 40 0-1
ISCJB IX 02 21 08 42.0–.63 38.02N–.07 21.54E–.03 27–5 ¶13393248
ATH IX 02 21 08 41.7 38.04N 21.52E 24–1 2.6
THE IX 02 21 08 42.7 38.04N 21.56E 24–1 1.2L
CSEM IX 02 21 08 42.0–.27 38.01N 21.56E 20 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.4km az=174.1.
ATH Error ellipse: s-maj=1.0km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=351.0.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=2.9km az=168.0.
ISC IX 02 21 13 08.9–.70 38.05N–.04 21.53E–.05 11–15 41 0-1
ISCJB IX 02 21 13 08.5–.73 38.04N–.04 21.53E–.05 8–14 ¶13393249
CSEM IX 02 21 13 08.8–.20 38.05N 21.55E 10 2.8
ATH IX 02 21 13 08.9 38.08N 21.58E 25–7 2.8

THE IX 02 21 13 09.0 38.05N 21.55E 16–1 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=6.6km az=149.1.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=155.0.
ATH Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=6.0.
ISC IX 03 08 10 16.0–.74 38.52N–.03 21.67E–.05 10 35 0-1
THE IX 03 08 10 14.4 38.63N 21.71E 18–1 1.7L ¶13393273
ISCJB IX 03 08 10 15.3–.74 38.54N–.04 21.65E–.05 10 1.7L
CSEM IX 03 08 10 15.1–.29 38.53N 21.70E 20 2.8
ATH IX 03 08 10 16.4 38.51N 21.73E 11–9 2.8
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.0km az=27.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.1km az=155.8.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=5.7km az=91.0.
ATH Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0.
ISC IX 03 10 39 07.9–.29 38.28N–.02 21.77E–.02 5–2 3.9b 205 0-45
IDC IX 03 10 39 07.3–1.3 38.53N 21.78E 0 4.1b,4.0 ¶11909365
CSEM IX 03 10 39 07.6–.16 38.28N 21.79E 5 3.5L,4.0
ISCJB IX 03 10 39 07.4–.35 38.28N–.02 21.76E–.02 8–2 3.9b,4.0
ATH IX 03 10 39 07.0 38.32N 21.75E 16–0 3.3,3.3L
NEIC IX 03 10 39 07.0 38.32N 21.76E 14 3.8b,3.5L
THE IX 03 10 39 07.7 38.30N 21.75E 1–1 3.5L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=23.1km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=136.7.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=172.0.
ISC IX 03 11 46 53.4–.62 38.30N–.04 22.38E–.04 20–4 31 0-1
ISCJB IX 03 11 46 52.9–.76 38.30N–.06 22.41E–.05 22–8 ¶13393300
CSEM IX 03 11 46 52.5–.21 38.32N 22.40E 20 1.4L
THE IX 03 11 46 52.8 38.31N 22.41E 22–2 1.4L
ATH IX 03 11 46 53.4 38.23N 22.30E 24–4 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.4km az=4.8.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.9km az=33.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=33.0.
ATH Error ellipse: s-maj=1.5km s-min=1.2km az=-1.0.
ISC IX 05 00 23 02.6–.49 38.04N–.04 21.52E–.03 18–3 61 0-1
ATH IX 05 00 23 01.8 37.98N 21.37E 22 2.8 ¶12951919
ISCJB IX 05 00 23 02.8–.47 38.05N–.04 21.52E–.03 20–5 2.8
CSEM IX 05 00 23 02.3–.20 38.04N 21.53E 20 2.8
THE IX 05 00 23 02.4 38.01N 21.54E 2–2 1.7L
NEIC IX 05 00 23 02.6 37.99N 21.53E 20 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=175.4.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=173.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=346.0.
NEIC Event type se. After ATH.
ISC IX 05 12 30 51.4–.78 39.07N–.02 21.76E–.09 16–6 46 1-1
ATH IX 05 12 30 50.3 39.13N 21.77E 43–1 2.9 ¶13393491
ISCJB IX 05 12 30 51.8–.65 39.08N–.03 21.77E–.09 25–7 2.9
CSEM IX 05 12 30 51.0–.15 39.07N 21.76E 15 2.9
THE IX 05 12 30 51.5 39.06N 21.81E 15–0 2.0L
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=4.2km az=4.2.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.1km az=90.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.3km az=271.0.
ISC IX 05 16 43 32.5–.54 38.32N–.04 21.92E–.04 13–4 47 0-1
ATH IX 05 16 43 31.6 38.35N 21.94E 19–0 2.7 ¶13393511
CSEM IX 05 16 43 31.9–.20 38.34N 21.91E 11–1 2.0L
ISCJB IX 05 16 43 32.1–.43 38.29N–.03 21.94E–.03 13–3 2.0L
THE IX 05 16 43 32.6 38.28N 21.92E 10–0 2.0L
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=178.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=7.7.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=266.0.
ISC IX 05 21 32 12.1–.27 40.62N–.01 23.03E–.02 3–2 3.8b 385 0-68
SOF IX 05 21 32 10.9 40.60N 23.05E 10 3.5 ¶13393528
IDC IX 05 21 32 10.1–1.1 40.53N 22.90E 0 4.0,3.9
PDG IX 05 21 32 11.9–.51 40.63N 23.06E 11–0 3.4L,3.9
ATH IX 05 21 32 11.9 40.63N 23.03E 19–0 3.8L,3.9
SKO IX 05 21 32 11.6 40.59N 23.06E 3 3.5L,3.0
BEO IX 05 21 32 11.8–.83 40.61N 23.00E 5–3 3.6L,3.0
CSEM IX 05 21 32 11.8–.08 40.63N 23.06E 2 3.5L,3.0
NEIC IX 05 21 32 11.9 40.63N 23.03E 19 3.8,3.5L
ISCJB IX 05 21 32 11.4–.25 40.64N–.01 23.04E–.02 6–2 3.8b,3.5L
THE IX 05 21 32 12.0 40.63N 23.02E 6–0 3.5L,3.5L
ISC Event type fe.
IDC Error ellipse: s-maj=29.9km s-min=22.1km az=163.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
ATH Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=69.0.
NEIC Event type fe. Felt at Thessaloniki. After ATH.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=2.0km az=156.4.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=29.0.
ISC IX 06 14 39 28.6–.49 38.64N–.02 21.52E–.03 11–5 65 0-2
ISCJB IX 06 14 39 28.2–.76 38.63N–.03 21.51E–.04 9–5 ¶13393588
CSEM IX 06 14 39 28.3–.25 38.64N 21.52E 9–0 3.0
ATH IX 06 14 39 28.2 38.63N 21.54E 17–2 3.0
THE IX 06 14 39 28.5 38.63N 21.54E 0–3 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=137.6.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.3km az=91.0.
ATH Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=302.0.
ISC IX 06 15 43 39.8–.67 38.05N–.03 20.33E–.03 1–4 3.7b 171 0-65
IDC IX 06 15 43 36.8–23 37.91N 20.24E 0 3.7,3.6b ¶11909615
ISCJB IX 06 15 43 38.7–.68 38.04N–.03 20.27E–.03 2–4 3.6b,3.6b
CSEM IX 06 15 43 40.2–.22 38.06N 20.35E 2 3.2L,3.6b
ATH IX 06 15 43 40.0 38.07N 20.36E 12–1 3.3L,3.6b
THE IX 06 15 43 41.5 38.11N 20.41E 0–2 3.2L,3.6b
NEIC IX 06 15 43 41.0–2.0 38.14N 20.49E 10 3.2L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=448.4km s-min=44.6km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=28.9.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=30.0.
ATH Error ellipse: s-maj=1.2km s-min=1.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.3km az=221.0.
NEIC Event type se. Error ellipse: s-maj=37.7km s-min=14.1km az=198.0.
ISC IX 07 12 52 08.5–.47 38.49N–.02 23.49E–.03 14–4 62 0-2
ISCJB IX 07 12 52 07.3–.72 38.48N–.03 23.56E–.04 10–5 ¶13393685
ATH IX 07 12 52 08.6 38.42N 23.39E 22–0 2.7,2.3L
CSEM IX 07 12 52 08.2–.22 38.48N 23.47E 15 2.7,2.3L
THE IX 07 12 52 08.9 38.49N 23.46E 9–3 2.1L,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=143.2.
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=59.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.9km az=65.0.
ISC IX 07 16 49 06.7–.83 38.29N–.06 20.30E–.07 18–6 67 0-7
ISCJB IX 07 16 49 04.4–1.1 38.21N–.08 20.16E–.07 26–6 ¶13393698
CSEM IX 07 16 49 05.5–.65 38.17N 20.22E 24–4 3.1
ATH IX 07 16 49 07.0 38.36N 20.39E 19–1 3.1
THE IX 07 16 49 07.3 38.43N 20.49E 0–2 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=6.1km az=31.0.
CSEM Event type ke. Error ellipse: s-maj=16.4km s-min=6.2km az=29.0.
ATH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.0km az=225.0.
ISC IX 07 17 48 21.8–1.5 38.25N–.09 20.3E–.10 13–7 22 0-5
ISCJB IX 07 17 48 20.4–1.5 38.26N–.09 20.2E–.10 11–7 ¶13393704
ATH IX 07 17 48 21.7 38.16N 20.29E 14–1 3.1
CSEM IX 07 17 48 21.7 38.16N 20.29E 14 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.5km s-min=6.9km az=41.8.
ATH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IX 07 18 06 05.1–1.3 38.09N–.05 20.17E–.07 12–7 43 0-5
ISCJB IX 07 18 06 04.5–.95 38.09N–.04 20.18E–.06 10 ¶13393706
ATH IX 07 18 06 05.1 38.14N 20.20E 5–3 3.0
THE IX 07 18 06 05.4 38.05N 20.25E 0–2 2.2L
CSEM IX 07 18 06 06.6–.67 38.23N 20.26E 2 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=3.9km az=136.4.
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.1km az=202.0.
CSEM Event type ke. Error ellipse: s-maj=18.8km s-min=7.4km az=42.0.
ISC IX 08 03 30 52.9–.41 40.60N–.02 22.90E–.04 10–4 60 0-1
ISCJB IX 08 03 30 52.1–.46 40.59N–.03 22.86E–.03 10–3 ¶13393756
ATH IX 08 03 30 52.3 40.60N 22.90E 24–2 2.9
CSEM IX 08 03 30 52.5–.20 40.60N 22.90E 15 2.2L
THE IX 08 03 30 53.4 40.60N 22.91E 4–2 2.2L
SKO IX 08 03 30 53.5 40.60N 22.89E 1 1.8L,1.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.0km az=34.4.
ATH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=42.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=40.0.
ISC IX 09 11 29 57.5–.54 38.41N–.03 22.01E–.04 11–4 38 0-1
CSEM IX 09 11 29 56.7–.19 38.41N 22.02E 15 1.6L ¶13393866
ISCJB IX 09 11 29 57.6–.52 38.41N–.03 22.02E–.04 10–3 1.6L
ATH IX 09 11 29 57.8 38.40N 22.04E 5–3 2.7
THE IX 09 11 29 57.6 38.41N 22.01E 10–0 1.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.7km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.9km az=42.3.
ATH Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=264.0.
ISC IX 10 18 51 37.2–.41 38.13N–.04 21.55E–.03 18–3 61 0-1
ATH IX 10 18 51 36.7 38.13N 21.55E 19–1 3.0 ¶13394007
CSEM IX 10 18 51 36.9–.21 38.15N 21.53E 20 3.0
THE IX 10 18 51 36.9 38.11N 21.58E 28–1 2.1L
ISCJB IX 10 18 51 37.2–.40 38.12N–.04 21.56E–.03 19–4 2.1L
ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.
ISC IX 11 15 14 06.8–.41 40.73N–.02 23.74E–.03 1–5 68 0-3
ATH IX 11 15 14 05.3 40.76N 23.64E 33–5 3.0 ¶11747695
CSEM IX 11 15 14 06.6–.12 40.73N 23.75E 2 3.0
ISCJB IX 11 15 14 06.0–.42 40.73N–.02 23.73E–.03 7–4 3.0
THE IX 11 15 14 06.7 40.73N 23.73E 4–2 2.1L
SKO IX 11 15 14 07.7 40.83N 23.76E 6 2.3L,2.0
BEO IX 11 15 14 08.8–1.1 40.79N 23.68E 2–4 2.4L,2.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=4.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=4.1.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.4km az=279.0.
ATH IX 15 19 35 44.0 38.14N 23.50E 27–2 3.0
CSEM IX 15 19 35 44.0 38.14N 23.50E 27 3.0 ¶13394397
ATH Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IX 16 13 40 22.4–.94 38.09N–.04 20.29E–.05 4–5 80 0-5
CSEM IX 16 13 40 21.9–.50 38.10N 20.30E 2 3.6 ¶12952059
ISCJB IX 16 13 40 22.5–.77 38.06N–.04 20.29E–.05 10 3.6
ATH IX 16 13 40 22.1 38.10N 20.30E 7–1 3.6
THE IX 16 13 40 22.8 38.06N 20.31E 7–1 3.0L
NEIC IX 16 13 40 25.4 38.07N 20.31E 5 2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=5.6km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=139.8.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=35.0.
NEIC Event type se. After ATH.
ISC IX 16 22 19 54.0–.64 38.38N–.03 21.89E–.03 6–8 52 0-1
ISCJB IX 16 22 19 53.0–.57 38.38N–.03 21.89E–.03 14–5 ¶13394472
ATH IX 16 22 19 53.2 38.36N 21.94E 5–3 2.5
CSEM IX 16 22 19 53.3–.15 38.39N 21.90E 7–0 1.5L
THE IX 16 22 19 53.2 38.39N 21.85E 7–1 1.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=145.2.
ATH Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=138.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=343.0.
ISC IX 16 22 20 04.2–.68 40.15N–.04 21.92E–.10 17–9 24 0-1
ISCJB IX 16 22 20 02.8–.71 40.11N–.04 21.90E–.05 10 ¶13394473
CSEM IX 16 22 20 03.5 40.22N 21.90E 19 2.7
ATH IX 16 22 20 03.5 40.22N 21.90E 19–0 2.7
SKO IX 16 22 20 05.6 40.13N 21.95E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.4km az=137.5.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
ISC IX 18 18 20 07.0–.98 38.20N–.04 20.24E–.06 4–4 91 0-8
ATH IX 18 18 20 05.9 38.13N 20.21E 5–3 3.7 ¶12952082
CSEM IX 18 18 20 08.1–.52 38.21N 20.33E 10 2.8L
THE IX 18 18 20 11.1 38.13N 20.51E 17–1 2.8L
NEIC IX 18 18 20 12.0 38.25N 20.48E 5 2.9L
SKO IX 18 18 20 29.9 39.24N 20.28E 0 2.9L
ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=6.4km az=49.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.4km az=250.0.
NEIC Event type se. After ATH.
ISC IX 18 18 23 21.9–.78 38.06N–.03 20.23E–.04 4–3 132 0-8
ISCJB IX 18 18 23 20.9–.76 38.04N–.03 20.20E–.04 3–3 ¶12952081
CSEM IX 18 18 23 21.9–.36 38.13N 20.25E 2 3.8
ATH IX 18 18 23 22.5 38.13N 20.29E 11–2 3.8
THE IX 18 18 23 22.7 38.04N 20.30E 2–1 3.1L
NEIC IX 18 18 23 30.1 38.19N 20.59E 5 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=140.6.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=59.0.
ATH Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=1.1km az=261.0.
NEIC Event type se. After ATH.
ISC IX 19 05 49 40.5–.98 38.29N–.05 21.68E–.05 10–10 38 0-1
ISCJB IX 19 05 49 40.2–.81 38.29N–.06 21.69E–.05 11–5 ¶13394668
ATH IX 19 05 49 40.7 38.27N 21.71E 8–4 2.6
CSEM IX 19 05 49 40.0–.16 38.29N 21.70E 10 2.6
THE IX 19 05 49 40.4 38.27N 21.69E 9–1 1.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.1km az=154.3.
ATH Error ellipse: s-maj=3.8km s-min=3.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.7km az=161.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=42.0.

ISC	**IX**	**20 14 35 29.6–.31**	**38.47N–.02**	**21.60E–.02**	**5–2**	**3.5b**	**257**	**0-45**
SKO	IX	20 14 35 27.4	38.30N	21.61E	0	3.5b		¶13394780
ATH	IX	20 14 35 28.8	38.50N	21.61E	18–1	3.4L		
ISCJB	IX	20 14 35 28.8–.31	38.49N–.01	21.59E–.02	5–2	3.5b		
IDC	IX	20 14 35 28.4–1.2	38.62N	21.49E	0	3.7,3.6b		
CSEM	IX	20 14 35 29.6–.12	38.46N	21.60E	10	3.4L,3.6b		
THE	IX	20 14 35 29.1	38.49N	21.61E	0–1	3.3L,3.6b		
NEIC	IX	20 14 35 30.8	38.46N	21.69E	5	3.4L,3.6b		

ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=44.8.
IDC Error ellipse: s-maj=26.2km s-min=20.4km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=45.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=201.0.
NEIC Event type se. After ATH.

ISC	**IX**	**20 14 41 22.3–.51**	**38.03N–.04**	**21.26E–.03**	**21–5**		**61**	**0-1**
ATH	IX	20 14 41 21.8	38.00N	21.26E	20–3	2.8		¶13394783
CSEM	IX	20 14 41 21.8–.18	38.01N	21.25E	24–1	2.8		
ISCJB	IX	20 14 41 22.4–.54	38.03N–.04	21.25E–.03	23–5	2.8		
THE	IX	20 14 41 22.3	38.04N	21.27E	17–0	2.0L		

ISC Event type ke.
ATH Error ellipse: s-maj=3.5km s-min=0.8km az=-1.0.
CSEM Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.8km az=4.7.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=189.0.

ISC	**IX**	**20 15 18 11.5–.84**	**38.10N–.03**	**20.57E–.05**	**6–3**		**110**	**0-3**
NEIC	IX	20 15 18 08.8	37.85N	20.30E	5	3.2L		¶12952118
ATH	IX	20 15 18 09.2	38.09N	20.43E	12–1	3.6		
ISCJB	IX	20 15 18 10.9–.81	38.10N–.03	20.55E–.05	5–4	3.6		
CSEM	IX	20 15 18 11.9–.33	38.14N	20.62E	5	2.8L		
THE	IX	20 15 18 12.8	38.17N	20.69E	1–1	2.8L		

ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.2km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.6km az=147.9.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=46.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=230.0.

ISC	**IX**	**20 19 29 27.7–.47**	**38.93N–.02**	**21.97E–.04**	**17–4**		**56**	**0-2**
ISCJB	IX	20 19 29 28.0–.46	38.93N–.02	21.97E–.04	15–9			¶13394802
CSEM	IX	20 19 29 27.5–.20	38.93N	22.00E	25–1	3.0		
ATH	IX	20 19 29 27.3	38.93N	21.96E	19–2	3.0		
THE	IX	20 19 29 28.1	38.92N	22.00E	18–1	1.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=8.9.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=89.0.
ATH Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=86.0.

ISC	**IX**	**21 07 41 07.1–.45**	**38.06N–.03**	**23.23E–.04**	**29–4**		**49**	**0-1**
ATH	IX	21 07 41 06.5	38.07N	23.19E	28–1	3.1,1.9L		¶13394844
CSEM	IX	21 07 41 06.8–.24	38.07N	23.23E	38–1	3.1,1.9L		
ISCJB	IX	21 07 41 07.1–.45	38.06N–.03	23.24E–.04	30–4	3.1,1.9L		
THE	IX	21 07 41 07.5	38.07N	23.24E	26–3	2.2L,1.9L		

ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.8km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=40.9.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.0km az=222.0.

ISC	**IX**	**22 00 43 36.1–.41**	**40.61N–.02**	**21.45E–.03**	**9–4**		**87**	**0-4**
ISCJB	IX	22 00 43 35.6–.42	40.60N–.02	21.46E–.03	5–4			¶13394918
ATH	IX	22 00 43 35.4	40.59N	21.45E	21–1	3.4		
CSEM	IX	22 00 43 36.1–.24	40.60N	21.38E	19–0	2.2L		
THE	IX	22 00 43 36.0	40.61N	21.44E	7–1	2.2L		
SKO	IX	22 00 43 44.4	40.65N	21.24E	24	2.1L,1.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=174.9.
ATH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=5.0km az=58.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=271.0.

ISC	**IX**	**22 00 44 53.6–.60**	**38.46N–.03**	**21.60E–.04**	**23–7**		**47**	**0-1**
ISCJB	IX	22 00 44 53.6–.64	38.46N–.03	21.61E–.04	24–7			¶13394919
ATH	IX	22 00 44 53.4	38.46N	21.64E	24–3	2.9		
CSEM	IX	22 00 44 53.2–.22	38.46N	21.59E	20	2.9		
THE	IX	22 00 44 53.2	38.45N	21.60E	22–1	2.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.1km az=43.4.
ATH Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=141.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=142.0.

ISC	**IX**	**22 01 36 55.7–.31**	**40.64N–.02**	**21.47E–.02**	**12–3**		**123**	**0-6**
TIR	IX	22 01 36 51.1	40.66N	21.39E	2	2.9L		¶11345796
SKO	IX	22 01 36 54.1	40.63N	21.43E	20	2.5L,2.1		
ATH	IX	22 01 36 55.4	40.63N	21.58E	21–1	3.4,2.1		
ISCJB	IX	22 01 36 55.0–.31	40.66N–.02	21.45E–.02	12–3	3.4,2.1		
CSEM	IX	22 01 36 55.4–.14	40.61N	21.47E	10–0	3.4,2.1		
THE	IX	22 01 36 55.4	40.61N	21.46E	4–1	2.7L,2.1		

ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=43.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=290.0.

ATH	**IX**	**22 02 12 58.5**	**38.27N**	**21.63E**	**22–1**	**3.2**		
CSEM	IX	22 02 12 58.7–.21	38.32N	21.59E	20	3.2		¶13394924
THE	IX	22 02 12 59.4	38.26N	21.62E	10–1	2.4L		

ATH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=153.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=356.0.

ISC	**IX**	**22 09 40 15.6–.44**	**38.46N–.02**	**21.59E–.03**	**14–6**		**75**	**0-2**
ISCJB	IX	22 09 40 15.2–.41	38.48N–.02	21.58E–.02	6–7			¶13394953
ATH	IX	22 09 40 15.1	38.47N	21.55E	5–3	3.3		
CSEM	IX	22 09 40 15.3–.16	38.47N	21.58E	15	2.4L		
THE	IX	22 09 40 15.7	38.48N	21.59E	2–2	2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=8.0.
ATH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=3.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.6km az=318.0.

ISC	**IX**	**22 12 26 51.2–.66**	**38.05N–.04**	**21.95E–.04**	**18–7**		**38**	**0-1**
CSEM	IX	22 12 26 50.7–.22	38.07N	21.93E	20	1.5L		¶13394962
ISCJB	IX	22 12 26 51.0–.67	38.04N–.03	21.94E–.04	13–4	1.5L		
THE	IX	22 12 26 51.5	38.05N	21.97E	12–4	1.5L		
ATH	IX	22 12 26 51.0	38.06N	21.95E	20–3	2.9		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=43.2.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.8km az=22.0.
ATH Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.

ISC	**IX**	**22 19 06 05.3–.49**	**38.05N–.03**	**21.95E–.03**	**8–8**		**55**	**0-2**
ISCJB	IX	22 19 06 04.9–.46	38.05N–.02	21.94E–.03	10			¶13394973
ATH	IX	22 19 06 04.9	38.05N	21.94E	5–3	3.1		
CSEM	IX	22 19 06 04.6–.13	38.03N	21.94E	5	1.4L		
THE	IX	22 19 06 05.6	38.07N	21.99E	10–1	1.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=40.2.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=41.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=41.0.

ISC	**IX**	**23 09 58 15.6–.47**	**38.42N–.02**	**21.84E–.03**	**3–5**		**78**	**0-2**
CSEM	IX	23 09 58 14.8–.22	38.42N	21.84E	14–0	2.5L		¶13395016
ISCJB	IX	23 09 58 15.3–.44	38.43N–.02	21.86E–.03	3–4	2.5L		
ATH	IX	23 09 58 15.1	38.40N	21.85E	8–1	3.1		
THE	IX	23 09 58 15.8	38.42N	21.89E	8–2	2.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.1km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=172.6.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=178.0.

ISC	**IX**	**25 09 11 39.6–.57**	**38.45N–.03**	**21.76E–.04**	**15–5**		**46**	**0-1**
CSEM	IX	25 09 11 38.7–.26	38.44N	21.76E	20	2.5		¶13395154
ATH	IX	25 09 11 38.7	38.43N	21.86E	22–4	2.5		
ISCJB	IX	25 09 11 39.7–.51	38.46N–.03	21.75E–.04	9–4	2.5		
THE	IX	25 09 11 39.5	38.44N	21.75E	13–1	1.9L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=6.2km az=79.0.
ATH Error ellipse: s-maj=2.1km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.9km az=5.9.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=131.0.

ISC	**IX**	**25 18 31 50.3–.27**	**38.18N–.02**	**22.56E–.02**	**9–2**	**3.7b,3.2s**	**309**	**0-121**
ATH	IX	25 18 31 49.5	38.17N	22.54E	20–1	4.0L,3.2s		¶11348112
CSEM	IX	25 18 31 49.7–.12	38.19N	22.57E	10	3.6L,2.6s		
ISCJB	IX	25 18 31 49.5–.26	38.19N–.01	22.56E–.02	9–2	3.7b,3.2s		
THE	IX	25 18 31 50.2	38.19N	22.55E	5–1	3.6L,3.2s		
NEIC	IX	25 18 31 50.4	38.19N	22.55E	5	3.9L,3.7b		
IDC	IX	25 18 31 52.3–5.5	38.35N	22.40E	33–45	3.7,3.6		

ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=38.3.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=62.0.
NEIC Event type se. After ATH.
IDC Error ellipse: s-maj=21.8km s-min=16.5km az=164.0.

ISC	**IX**	**26 11 31 25.1–1.2**	**40.54N–.05**	**21.86E–.09**	**4**		**8**	**0-1**
ATH	IX	26 11 31 23.7	40.58N	21.78E	4	3.2		¶13395248
ISCJB	IX	26 11 31 25.1–1.1	40.52N–.05	21.86E–.08	4	3.2		

ISC	**IX**	**26 16 16 44.7–.74**	**40.77N–.03**	**23.69E–.04**	**14–12**		**33**	**0-2**
ISCJB	IX	26 16 16 44.4–.49	40.77N–.03	23.69E–.04	10–7			¶13395259
ATH	IX	26 16 16 44.8	40.78N	23.67E	13–3	2.8		
CSEM	IX	26 16 16 44.8	40.77N	23.69E	9	1.6L		
THE	IX	26 16 16 44.8	40.77N	23.69E	9–4	1.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=175.5.
ATH Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=0.4km az=271.0.

ISC	**IX**	**27 11 02 54.6–.70**	**38.11N–.05**	**21.55E–.03**	**18–8**		**46**	**0-1**
ISCJB	IX	27 11 02 54.4–.52	38.11N–.05	21.55E–.03	10			¶13395315
CSEM	IX	27 11 02 54.2–.22	38.14N	21.56E	20	3.0		
ATH	IX	27 11 02 54.0	38.18N	21.53E	10	3.0		
THE	IX	27 11 02 54.5	38.11N	21.57E	27–1	1.9L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.1km az=166.6.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.6km az=163.0.
ATH Error ellipse: s-maj=2.7km s-min=2.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=353.0.

ISC	**IX**	**27 17 03 29.7–.55**	**39.83N–.03**	**22.87E–.04**	**26–6**		**44**	**0-2**
ISCJB	IX	27 17 03 29.7–.51	39.83N–.03	22.87E–.04	27–5			¶13395330
CSEM	IX	27 17 03 29.8–.26	39.86N	22.86E	28–2	1.7L		
ATH	IX	27 17 03 29.2	39.86N	22.88E	23–1	3.1		
THE	IX	27 17 03 30.2	39.87N	22.86E	12–2	1.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=136.4.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=5.6km az=131.0.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=327.0.

ISC	**IX**	**27 23 09 19.9–1.3**	**38.10N–.05**	**20.16E–.06**	**2–7**		**50**	**0-2**
CSEM	IX	27 23 09 20.7–.69	38.13N	20.23E	2	3.5		¶13395358
THE	IX	27 23 09 20.0	37.98N	20.24E	0–3	2.3L		
ATH	IX	27 23 09 20.4	38.12N	20.21E	5–1	3.5		
ISCJB	IX	27 23 09 21.4–.00	38.16N–.04	20.25E–.06	10	3.5		

ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.

ISC	**IX**	**27 23 54 51.4–.40**	**40.22N–.02**	**23.47E–.04**	**12–4**		**67**	**0-2**
ISCJB	IX	27 23 54 50.8–.40	40.22N–.02	23.47E–.04	10–4			¶13395362
THE	IX	27 23 54 51.7	40.25N	23.49E	11–1	2.1L		
ATH	IX	27 23 54 51.1	40.22N	23.36E	17–1	3.3		
CSEM	IX	27 23 54 51.3–.22	40.21N	23.44E	15	2.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=169.9.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=184.0.
ATH Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=96.0.

ISC	**IX**	**29 03 05 35.0–.35**	**38.41N–.01**	**20.38E–.01**	**10–2**	**4.3b,3.8s**	**757**	**0-97**
LDG	IX	29 03 05 32.3–.20	38.61N	20.67E	10–0	4.5b,2.8s		¶13395428
ISCJB	IX	29 03 05 34.0–.38	38.41N–.01	20.31E–.01	15–3	4.3b,3.8s		
HLW	IX	29 03 05 33.6	38.99N	21.20E	33–54	4.5,4.3L		
ATH	IX	29 03 05 34.2	38.35N	20.39E	16–1	4.1L,4.3L		
CSEM	IX	29 03 05 34.9–.09	38.41N	20.38E	10	4.3b,2.8s		
NEIC	IX	29 03 05 34.2	38.35N	20.39E	16	4.2b,4.2L		
TIR	IX	29 03 05 34.9	38.94N	18.65E	0	3.8L,4.2L		
PDG	IX	29 03 05 34.9–.13	38.50N	19.79E	2–11	4.2L,4.2L		
BJI	IX	29 03 05 34.0	38.85N	19.77E	29	5.2b,4.7s		
THE	IX	29 03 05 35.9	38.42N	20.52E	2–0	4.1L,4.7s		
MOS	IX	29 03 05 36.6–1.0	38.47N	20.34E	33	4.3b,4.7s		
IDC	IX	29 03 05 36.5–5.1	38.53N	20.40E	20–33	4.1b,4.1		
BEO	IX	29 03 05 38.7–5.5	38.76N	20.25E	0–0	4.1L,4.1		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=11.1km s-min=4.5km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=24.3.
ATH Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=28.0.
NEIC Event type se. After ATH.
PDG Event type ke. Error ellipse: s-maj=52.0km s-min=7.6km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=236.0.
MOS Error ellipse: s-maj=4.9km s-min=3.1km az=93.1.
IDC Error ellipse: s-maj=12.2km s-min=10.9km az=136.0.

ISC	**IX**	**29 12 37 43.8–.32**	**38.37N–.02**	**21.76E–.02**	**5–2**	**4.0b**	**181**	**0-45**
IDC	IX	29 12 37 41.1–1.2	38.37N	21.59E	0	4.3b,4.2L		¶11911339
ATH	IX	29 12 37 42.5	38.37N	21.74E	18–0	3.6L,4.2L		
ISCJB	IX	29 12 37 43.0–.33	38.39N–.02	21.75E–.02	4–3	4.0b,4.2L		
CSEM	IX	29 12 37 43.5–.14	38.35N	21.80E	2	3.6L,4.2L		
THE	IX	29 12 37 43.4	38.39N	21.77E	0–1	3.4L,4.2L		
NEIC	IX	29 12 37 44.4	38.37N	21.82E	5	3.5L,4.2L		

ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=21.4km az=148.0.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=3.4.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=27.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=261.0.
NEIC Event type se. After ATH.

ATH	**IX**	**29 19 08 20.0**	**38.00N**	**20.15E**	**11–1**	**3.3**		
CSEM	IX	29 19 08 20.0	38.00N	20.15E	11	3.3		¶13395471

ATH Error ellipse: s-maj=1.7km s-min=2.2km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**IX**	**30 02 24 46.2–.46**	**38.38N–.03**	**21.74E–.03**	**7–4**		**82**	**0-1**
ISCJB	IX	30 02 24 45.8–.43	38.39N–.02	21.74E–.03	5–4			¶13395498
ATH	IX	30 02 24 45.7	38.37N	21.73E	11–1	3.2		
CSEM	IX	30 02 24 45.5–.14	38.39N	21.74E	6–0	3.2		
THE	IX	30 02 24 46.0	38.40N	21.76E	0–2	2.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=176.2.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.

CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=145.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=309.0.
ISC IX 30 11 33 26.6–1.1 40.39N–.05 21.8E–.10 4–12 15 1-1
ISCJB IX 30 11 33 25.7–1.1 40.32N–.04 21.76E–.10 10 ¶13395527
SKO IX 30 11 33 25.9 40.29N 21.71E 17 2.2L,1.8
ATH IX 30 11 33 30.0 40.27N 21.99E 18–8 3.3,1.8
CSEM IX 30 11 33 30.0 40.27N 21.99E 18 3.3,1.8
ISCJB Error ellipse: s-maj=10.7km s-min=6.0km az=176.2.
ATH Error ellipse: s-maj=2.7km s-min=3.3km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IX 30 21 21 48.4–.99 38.13N–.04 23.63E–.07 27–9 37 0-1
ISCJB IX 30 21 21 48.4–1.0 38.13N–.04 23.63E–.07 28–9 ¶13395556
CSEM IX 30 21 21 48.5–.28 38.13N 23.61E 26–3 2.6
THE IX 30 21 21 48.9 38.12N 23.58E 28–1 1.5L
ATH IX 30 21 21 49.1 38.11N 23.54E 15–5 2.6,1.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.3km az=157.9.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=80.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=97.0.
ATH Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
ISC X 01 18 12 27.5–.60 38.18N–.03 22.66E–.04 14–6 35 0-1
ISCJB X 01 18 12 27.4–.52 38.18N–.03 22.66E–.04 8–8 ¶13395634
CSEM X 01 18 12 27.2–.10 38.18N 22.66E 12 1.5L
ATH X 01 18 12 27.1 38.19N 22.64E 3–1 3.1
THE X 01 18 12 28.0 38.16N 22.64E 2–15 1.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.3km az=137.2.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=40.0.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=15.8km s-min=0.3km az=351.0.
THE X 02 11 45 35.8 38.42N 21.62E 27–0 2.8L
CSEM X 02 11 45 35.7–.18 38.41N 21.57E 10 2.8L ¶13395778
ATH X 02 11 45 36.3 38.47N 21.47E 25–1 3.0
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=131.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=16.0.
ATH Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0.
THE X 02 11 45 43.9 38.45N 21.64E 25–2 2.4L
CSEM X 02 11 45 41.6–.50 38.18N 21.75E 20–1 2.4L ¶15075964
THE Event type ke. Error ellipse: s-maj=4.0km s-min=0.7km az=130.0.
CSEM Event type ke. Error ellipse: s-maj=16.1km s-min=13.5km az=158.0.
ISC X 03 00 29 18.0–.42 40.24N–.03 21.88E–.04 8–6 43 0-1
ISCJB X 03 00 29 17.5–.44 40.25N–.02 21.90E–.04 6–7 ¶13395842
SKO X 03 00 29 17.6 40.16N 21.85E 10 1.7L,1.3
ATH X 03 00 29 17.8 40.26N 21.89E 7–6 2.8,1.3
CSEM X 03 00 29 17.6–.12 40.26N 21.91E 5 2.8,1.3
THE X 03 00 29 18.0 40.25N 21.91E 2–1 1.8L,1.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=168.1.
ATH Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=55.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.3km az=356.0.
ISC X 03 13 03 35.4–.43 40.24N–.02 21.92E–.03 0–6 63 0-2
CSEM X 03 13 03 34.9–.19 40.25N 21.91E 2 3.1 ¶13395881
SKO X 03 13 03 34.6 40.15N 21.86E 9 3.1
ISCJB X 03 13 03 35.3–.35 40.25N–.02 21.89E–.03 10 3.1
THE X 03 13 03 35.2 40.23N 21.90E 0–2 2.3L
ATH X 03 13 03 35.0 40.24N 21.90E 5–1 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=142.4.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.4km az=108.0.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
ISC X 04 10 15 16.3–.52 40.65N–.03 21.62E–.07 20–8 32 0-1
ATH X 04 10 15 13.9 40.79N 21.66E 26–6 3.0 ¶13395955
CSEM X 04 10 15 14.9–.26 40.74N 21.57E 25–3 1.7L
ISCJB X 04 10 15 16.1–.51 40.65N–.03 21.65E–.05 10–7 1.7L
SKO X 04 10 15 16.8 40.62N 21.58E 8 1.7L
THE X 04 10 15 16.6 40.64N 21.65E 2–36 1.7L
ISC Event type ke.
ATH Error ellipse: s-maj=7.6km s-min=4.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=6.0km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.2km az=175.3.
THE Event type ke. Error ellipse: s-maj=36.0km s-min=0.7km az=0.0.
ISC X 06 11 43 04.4–.46 40.27N–.03 21.92E–.04 10–5 50 0-1
ATH X 06 11 43 02.5 40.30N 21.89E 22–1 3.0 ¶13396193
ISCJB X 06 11 43 03.9–.49 40.27N–.03 21.93E–.04 8–5 3.0
CSEM X 06 11 43 03.8–.24 40.30N 21.93E 15 3.0
THE X 06 11 43 04.4 40.23N 21.90E 0–2 2.3L
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=143.7.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.7km az=53.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=54.0.
ATH X 07 14 12 42.5 38.17N 22.55E 6–4 3.1
CSEM X 07 14 12 42.3–.17 38.18N 22.55E 10 2.0L ¶13396321
THE X 07 14 12 42.7 38.17N 22.56E 8–6 2.0L
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=64.0.
THE Event type ke. Error ellipse: s-maj=6.1km s-min=0.6km az=286.0.
ISC X 07 19 19 54.1–.87 38.09N–.03 20.12E–.04 0–4 126 0-8
ATH X 07 19 19 53.2 38.08N 20.10E 10–2 3.7 ¶13396331
CSEM X 07 19 19 54.9–.32 38.13N 20.17E 2 2.8L
ISCJB X 07 19 19 55.2–.64 38.11N–.03 20.19E–.04 10 2.8L
THE X 07 19 19 55.9 38.16N 20.23E 0–2 2.8L
ISC Event type ke.
ATH Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=3.8km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=143.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=242.0.
ISC X 08 09 21 55.7–.46 38.90N–.02 23.16E–.03 7–6 62 0-1
ISCJB X 08 09 21 55.4–.44 38.90N–.02 23.18E–.03 10 ¶13396383
CSEM X 08 09 21 55.4–.12 38.90N 23.15E 5 1.7L
THE X 08 09 21 55.1 38.88N 23.16E 17–0 1.7L
ATH X 08 09 21 55.8 38.91N 23.17E 3–2 2.7,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=5.7.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=97.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=131.0.
ATH Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0.
ISC X 08 10 26 40.1–.46 38.09N–.03 23.28E–.04 12–6 43 0-1
ISCJB X 08 10 26 39.8–.45 38.09N–.03 23.27E–.04 7–7 ¶13396388
CSEM X 08 10 26 39.6–.16 38.09N 23.27E 12 2.6
THE X 08 10 26 39.9 38.10N 23.29E 0–2 1.8L
ATH X 08 10 26 39.7 38.08N 23.24E 16–5 2.6,1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=142.6.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=53.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=129.0.
ATH Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.
ISC X 08 18 15 19.0–.64 38.07N–.04 21.58E–.03 18–7 42 0-1
CSEM X 08 18 15 18.5–.25 38.06N 21.59E 15 2.0L ¶13396426
ATH X 08 18 15 18.3 38.12N 21.61E 27–7 3.2
ISCJB X 08 18 15 19.4–.56 38.08N–.05 21.58E–.04 15–11 3.2
THE X 08 18 15 19.4 38.07N 21.58E 9–1 2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.2km az=174.0.
ATH Error ellipse: s-maj=2.2km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.6km az=171.1.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=186.0.
ISC X 09 13 07 01.3–.43 39.50N–.02 21.03E–.03 10–4 67 0-4
THE X 09 13 07 00.9 39.48N 21.03E 1–1 3.7L ¶13396488
ISCJB X 09 13 07 01.1–.52 39.49N–.02 21.02E–.03 6–5 3.7L
CSEM X 09 13 07 01.0–.15 39.50N 21.01E 10 3.0
ATH X 09 13 07 01.1 39.60N 20.97E 28–3 3.0
SKO X 09 13 07 01.1 39.33N 20.92E 0 3.0
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=36.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=156.8.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=30.0.
ATH Error ellipse: s-maj=5.3km s-min=2.2km az=-1.0.
ISC X 09 17 44 16.2–1.4 38.07N–.04 20.23E–.07 1–8 67 0-5
ATH X 09 17 44 14.9 38.13N 20.22E 5–4 3.1 ¶13396501
CSEM X 09 17 44 16.5–.57 38.08N 20.30E 2 2.3L
THE X 09 17 44 16.0 38.06N 20.26E 0–1 2.3L
ISCJB X 09 17 44 17.1–.81 38.10N–.03 20.29E–.06 10 2.3L
ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.
ISC X 09 22 30 08.3–.49 38.03N–.04 21.15E–.03 7–8 41 0-2
THE X 09 22 30 06.7 37.90N 21.18E 2–17 1.8L ¶13396511
ISCJB X 09 22 30 07.8–.50 38.02N–.04 21.16E–.03 3–7 1.8L
CSEM X 09 22 30 07.7–.32 38.02N 21.16E 2 1.8L
ATH X 09 22 30 07.7 38.04N 21.13E 25–5 3.1
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=17.7km s-min=0.5km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=11.3.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=5.6km az=18.0.
ATH Error ellipse: s-maj=2.3km s-min=2.2km az=-1.0.
ISC X 10 19 09 43.5–.44 38.13N–.02 20.32E–.02 2–2 3.7b 421 0-70
ISCJB X 10 19 09 43.0–.44 38.16N–.02 20.28E–.02 8–2 3.7b ¶11389327
IDC X 10 19 09 42.5–1.2 38.18N 20.72E 0 3.9,3.9
ATH X 10 19 09 42.7 38.08N 20.35E 14–0 3.8L,3.9
CSEM X 10 19 09 43.5–.15 38.12N 20.35E 2 3.8L,3.9
NEIC X 10 19 09 44.6–.52 38.23N 20.60E 10 3.6L,3.9
TIR X 10 19 09 45.1 38.36N 18.78E 0 4.0L,3.9
PDG X 10 19 09 45.6–.85 38.21N 20.28E 23–4 3.9L,3.9
THE X 10 19 09 45.0 38.18N 20.42E 0–0 3.6L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=32.7.
IDC Error ellipse: s-maj=25.3km s-min=23.0km az=23.0.
ATH Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=32.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.1km az=221.0.
PDG Event type ke. Error ellipse: s-maj=2.5km s-min=3.1km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=237.0.
ISC X 11 01 15 33.6–.86 38.15N–.03 20.45E–.05 6–4 90 0-8
ISCJB X 11 01 15 34.6–.83 38.16N–.04 20.50E–.05 10–3 ¶13396613
ATH X 11 01 15 34.1 38.15N 20.48E 14–1 3.2
CSEM X 11 01 15 35.6–.27 38.21N 20.61E 5 2.0L
THE X 11 01 15 36.0 38.24N 20.62E 0–1 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.6km az=139.8.
ATH Error ellipse: s-maj=1.8km s-min=2.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=63.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=236.0.
ISC X 11 03 10 25.5–.55 38.13N–.02 20.35E–.02 8–4 3.7b 307 0-70
IDC X 11 03 10 23.9–1.0 38.23N 20.67E 0 4.0L,3.8b ¶11389333
ATH X 11 03 10 24.8 38.09N 20.38E 14–1 3.9,3.6L
ISCJB X 11 03 10 24.7–.51 38.17N–.02 20.34E–.02 11–3 3.7b,3.6L
CSEM X 11 03 10 25.1–.14 38.13N 20.36E 5 3.9,3.6L
NEIC X 11 03 10 26.2–.93 38.15N 20.54E 17–6 3.9b,3.9L
PDG X 11 03 10 26.0–.87 38.17N 20.39E 13–2 3.9L,3.9L
TIR X 11 03 11 15.1 38.76N 21.28E 0 3.9L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=16.3km az=2.0.
ATH Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=34.3.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.3km az=31.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.9km az=188.0.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=90.0.
ISC X 11 16 03 41.5–.37 40.31N–.02 21.07E–.03 11–3 99 0-4
SKO X 11 16 03 38.1 40.21N 20.82E 6 2.5L,2.1 ¶11406357
TIR X 11 16 03 39.5 40.30N 21.18E 2 2.7L,2.1
ATH X 11 16 03 40.2 40.34N 21.05E 21–1 3.3,2.1
CSEM X 11 16 03 40.8–.10 40.30N 21.13E 2 2.7L,2.1
ISCJB X 11 16 03 40.9–.44 40.30N–.02 21.11E–.03 6–4 2.7L,2.1
THE X 11 16 03 41.2 40.32N 21.07E 5–1 2.8L,2.1
ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=29.3.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=310.0.
ISC X 13 04 10 05.5–.28 39.30N–.01 21.48E–.01 5–2 4.1b,3.6s 661 0-122
ISCJB X 13 04 10 04.5–.36 39.33N–.01 21.45E–.01 7–2 4.1b,3.6s ¶13396890
IDC X 13 04 10 04.2–.66 39.33N 21.57E 0 4.1L,4.1b
ATH X 13 04 10 05.3 39.32N 21.48E 21–2 3.7,3.7L
BJI X 13 04 10 05.5 39.23N 20.74E 57 5.1b,4.7s
PDG X 13 04 10 05.2–.82 39.32N 21.48E 11–1 3.9L,4.7s
CSEM X 13 04 10 05.1–.08 39.30N 21.49E 2 3.9b,2.7s
THE X 13 04 10 05.1 39.33N 21.45E 1–1 3.7L,2.7s
TIR X 13 04 10 05.3 39.16N 21.44E 43 3.9L,2.7s
MOS X 13 04 10 07.5–.87 39.36N 21.44E 33 4.2b,2.7s
NEIC X 13 04 10 08.1–1.8 39.25N 21.44E 27–14 3.9b,3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=135.9.
IDC Error ellipse: s-maj=15.5km s-min=11.9km az=82.0.
ATH Error ellipse: s-maj=1.5km s-min=1.6km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=43.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=278.0.
MOS Error ellipse: s-maj=6.7km s-min=3.6km az=108.3.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.5km az=132.0.
ISC X 13 22 45 53.4–.61 38.11N–.03 20.39E–.04 10 116 0-8
CSEM X 13 22 45 51.8–.33 38.10N 20.33E 2 2.4L ¶13396963
ATH X 13 22 45 51.5 38.07N 20.33E 12–1 3.1L
ISCJB X 13 22 45 53.3–.66 38.13N–.03 20.41E–.05 10 3.1L
THE X 13 22 45 55.3 38.24N 20.58E 3–0 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.8km az=51.0.
ATH Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=143.4.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=230.0.
ISC X 14 02 06 35.7–.26 38.806N–.01 23.600E–.01 10–1 4.9b,4.5s 1801 0-130
SZGRF X 14 02 06 22.3 37.26N 22.88E 33 4.5b,4.0s ¶13396984
BJI X 14 02 06 33.6 38.81N 23.29E 23 5.3b,5.0s
IDC X 14 02 06 33.7–.48 38.82N 23.60E 0 4.6,4.6
PDG X 14 02 06 33.9–.52 38.86N 23.64E 4–1 5.0,4.8L
ATH X 14 02 06 34.7 38.85N 23.62E 24–1 5.6L,4.8L
ISCJB X 14 02 06 34.5–.25 38.848N–.01 23.601E–.01 12–1 4.9b,4.5s
HLW X 14 02 06 34.1 38.95N 23.82E 33–42 4.7,4.5L
NEIC X 14 02 06 34.7 38.85N 23.62E 24 5.0W,4.9b
THE X 14 02 06 35.1 38.82N 23.58E 4–1 5.1L,4.9b
CSEM X 14 02 06 35.3–.05 38.80N 23.61E 10 5.2W,5.1b
IGIL X 14 02 06 37.8 38.76N 23.57E 26 5.1b,5.1b
GCMT X 14 02 06 37.6–.20 38.71N 23.54E 13–0 5.2W,5.1b
MOS X 14 02 06 37.0–1.1 38.86N 23.56E 33 5.1b,4.6s
BGS X 14 02 06 39.4–2.1 39.45N 24.27E 33–0 4.9b,4.6s
ISC Event type fe.
SZGRF Southern Greece.
IDC Error ellipse: s-maj=10.8km s-min=10.5km az=77.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.

ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.1km az=23.5.
NEIC Event type fe. Felt [II] at Athens. Also felt at Akharnai, Ayia Varvara, Galatsion, Khalandrion, Kifisia and Vari. After ATH. Moment Tensor Solution. $M_0$3.80000×10^{16}
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=209.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=36.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s59,c89; s89,c178; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.23±.21 $M_{\theta\theta}$6.90±.16; $M_{\phi\phi}$-1.67±.14; $M_{r\theta}$0.52±.31; $M_{\theta\phi}$-2.26±.11; $M_{\phi r}$4.13±.47; Best double couple: NP1:ϕ_s254.00000°,δ52.00000°,λ-136.00000°. NP2:ϕ_s134.00000°,δ57.00000°,λ-47.00000°. Principal axes: T 7.4800,Plg3.0000° ,Azm195.0000°; N 0.6600,Plg35.0000°,Azm287.0000°; P -8.1400,Plg55.0000° ,Azm101.0000° $M_0$7.80000×10^{16}
MOS Error ellipse: s-maj=3.7km s-min=2.4km az=118.4.
BGS Error ellipse: s-maj=271.9km s-min=139.3km az=-1.0.

ISC	**X**	**14 02 09 45.9–.37**	**38.76N–.02**	**23.49E–.02**	**14–2**			**159**	**0-6**
ISCJB	X	14 02 09 45.3–.46	38.76N–.02	23.50E–.02	10–3				**¶13396986**
CSEM	X	14 02 09 45.6–.09	38.77N	23.48E	10–0	3.7L			
ATH	X	14 02 09 45.1	38.78N	23.49E	21–0	4.7L			
THE	X	14 02 09 46.0	38.77N	23.47E	10–0	3.7L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=169.3.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=87.0.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=166.0.

ISC	**X**	**14 02 11 08.6–.65**	**38.84N–.03**	**23.59E–.05**	**5–5**			**46**	**0-2**
ISCJB	X	14 02 11 08.5–.56	38.82N–.03	23.59E–.05	10				**¶13396987**
CSEM	X	14 02 11 08.7	38.83N	23.58E	7	3.9L			
ATH	X	14 02 11 08.8	38.83N	23.58E	8–4	3.9L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.4km az=163.8.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.

ISC	**X**	**14 02 13 48.3–.37**	**38.75N–.02**	**23.48E–.03**	**12–3**			**118**	**0-2**
ISCJB	X	14 02 13 47.7–.49	38.76N–.02	23.50E–.02	7–4				**¶13396990**
ATH	X	14 02 13 47.6	38.76N	23.45E	25–2	3.9L			
CSEM	X	14 02 13 48.1–.10	38.75N	23.49E	12	3.0L			
THE	X	14 02 13 48.5	38.76N	23.47E	7–0	3.0L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=23.3.
ATH Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=98.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=188.0.

ISC	**X**	**14 02 16 18.4–.38**	**38.76N–.02**	**23.50E–.02**	**10–3**			**143**	**0-3**
ISCJB	X	14 02 16 17.8–.52	38.77N–.02	23.52E–.02	7–4				**¶11348160**
CSEM	X	14 02 16 18.4–.11	38.77N	23.49E	10	3.4L			
THE	X	14 02 16 18.6	38.76N	23.46E	5–0	3.4L			
ATH	X	14 02 16 18.1	38.79N	23.51E	22–1	4.3L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=12.8.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=103.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=179.0.
ATH Error ellipse: s-maj=0.7km s-min=1.0km az=-1.0.

ISC	**X**	**14 02 16 59.0–.31**	**38.83N–.01**	**23.59E–.01**	**9–2**	**4.4s,4.4b**		**855**	**0-120**
IDC	X	14 02 16 56.9–.59	38.78N	23.55E	0	4.3b,4.3			**¶13396993**
BJI	X	14 02 16 56.7	38.96N	22.68E	35	5.0b,4.9s			
NEIC	X	14 02 16 57.9	38.87N	23.61E	21	4.5L,4.2b			
ISCJB	X	14 02 16 58.9–.28	38.87N–.01	23.59E–.01	19–2	4.4s,4.4b			
THE	X	14 02 16 58.6	38.83N	23.60E	6–0	4.5L,4.4b			
ATH	X	14 02 16 58.1	38.86N	23.62E	22–1	5.0L,4.4b			
CSEM	X	14 02 16 58.7–.08	38.83N	23.60E	8	4.4b,4.4b			
PDG	X	14 02 17 00.4–.79	38.78N	23.64E	28–5	4.0L,4.4b			
MOS	X	14 02 17 00.0–1.1	38.85N	23.61E	33	4.5b,4.4b			
TEH	X	14 02 17 02.0	38.72N	23.58E	35	4.5b,4.4b			

ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=11.4km az=163.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=138.8.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=157.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=13.0.
PDG Event type ke. Error ellipse: s-maj=2.6km s-min=2.9km az=0.0.
MOS Error ellipse: s-maj=5.1km s-min=3.3km az=120.9.

ATH	**X**	**14 02 20 44.2**	**38.85N**	**23.57E**	**27–0**	**3.6L**			
CSEM	X	14 02 20 44.2	38.85N	23.58E	27	3.6L			**¶13396995**

ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**X**	**14 02 35 46.9–.33**	**38.82N–.01**	**23.63E–.02**	**8–2**	**3.8b**		**392**	**0-58**
ISCJB	X	14 02 35 45.9–.42	38.85N–.01	23.65E–.02	9–3	3.8b			**¶13396997**
IDC	X	14 02 35 45.4–.94	38.84N	23.62E	0	3.8,3.8b			
NEIC	X	14 02 35 46.5	38.84N	23.58E	24	4.4b,4.2L			
CSEM	X	14 02 35 46.9–.10	38.83N	23.64E	10	3.8L,4.2L			
ATH	X	14 02 35 46.6	38.85N	23.59E	25–1	4.2L,4.2L			
THE	X	14 02 35 47.0	38.83N	23.57E	1–1	3.8L,4.2L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=21.1.
IDC Error ellipse: s-maj=19.0km s-min=16.7km az=142.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=117.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=88.0.

ISC	**X**	**14 02 45 44.9–.51**	**38.83N–.02**	**23.60E–.04**	**14–4**			**67**	**0-1**
ISCJB	X	14 02 45 44.5–.60	38.82N–.03	23.60E–.04	9–5				**¶13396999**
CSEM	X	14 02 45 44.8–.15	38.84N	23.59E	15	1.7L			
THE	X	14 02 45 44.9	38.83N	23.59E	6–1	1.7L			
ATH	X	14 02 45 45.1	38.85N	23.50E	26–1	2.5L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=32.6.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=88.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=6.0.
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.

ISC	**X**	**14 03 13 32.7–.33**	**38.84N–.01**	**23.62E–.02**	**10–2**			**232**	**0-9**
ISCJB	X	14 03 13 32.1–.46	38.85N–.01	23.65E–.02	9–3				**¶11748772**
CSEM	X	14 03 13 32.8–.12	38.83N	23.60E	10–0	3.5L			
BEO	X	14 03 13 32.0	38.89N	24.19E	0–0	3.5L			
THE	X	14 03 13 32.6	38.83N	23.59E	2–0	3.5L			
ATH	X	14 03 13 32.3	38.85N	23.60E	23–0	3.9L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=22.2.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=101.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=183.0.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.

ISC	**X**	**14 03 27 29.0–.42**	**38.83N–.02**	**23.61E–.03**	**15–3**			**144**	**0-3**
CSEM	X	14 03 27 28.6–.10	38.83N	23.61E	12	3.1L			**¶13397004**
ATH	X	14 03 27 28.1	38.84N	23.61E	25–1	3.8L			
THE	X	14 03 27 28.8	38.83N	23.60E	13–0	3.1L			
ISCJB	X	14 03 27 29.2–.35	38.84N–.02	23.61E–.03	21–3	3.1L			

ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.

ISC	**X**	**14 04 39 40.7–.42**	**38.84N–.02**	**23.63E–.03**	**13–3**			**127**	**0-3**
CSEM	X	14 04 39 40.6–.11	38.84N	23.61E	10	3.5L			**¶13397014**
ATH	X	14 04 39 40.2	38.85N	23.60E	24–1	4.0L			
THE	X	14 04 39 40.8	38.84N	23.60E	5–0	3.5L			
ISCJB	X	14 04 39 41.1–.38	38.85N–.02	23.63E–.03	20–4	3.5L			

ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.

ISC	**X**	**14 04 51 10.2–.56**	**38.75N–.03**	**23.49E–.04**	**15–5**			**46**	**0-1**
ISCJB	X	14 04 51 09.9–.84	38.76N–.03	23.49E–.05	13–5				**¶13397015**
ATH	X	14 04 51 09.7	38.79N	23.47E	30–1	2.7L			
CSEM	X	14 04 51 10.2–.15	38.76N	23.47E	15	2.0L			
THE	X	14 04 51 10.5	38.76N	23.46E	13–1	2.0L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=179.7.
ATH Error ellipse: s-maj=1.0km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=80.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=125.0.

ISC	**X**	**14 06 51 24.3–.57**	**38.76N–.03**	**23.50E–.04**	**17–4**			**50**	**0-1**
ISCJB	X	14 06 51 24.5–.53	38.78N–.03	23.50E–.04	22–5				**¶13397023**
CSEM	X	14 06 51 24.4–.18	38.76N	23.49E	17–1	2.0L			
THE	X	14 06 51 24.5	38.73N	23.49E	13–0	2.0L			
ATH	X	14 06 51 24.3	38.78N	23.45E	25–2	2.6L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.6km az=18.5.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=86.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=327.0.
ATH Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0.

ISC	**X**	**14 07 26 14.5–.62**	**38.75N–.04**	**23.53E–.05**	**12–6**			**42**	**0-1**
THE	X	14 07 26 08.0	38.54N	23.59E	59–2	2.2L			**¶13397029**
ISCJB	X	14 07 26 13.2–.73	38.79N–.03	23.54E–.04	12–5	2.2L			
CSEM	X	14 07 26 13.4–.30	38.80N	23.59E	10–0	2.4L			
ATH	X	14 07 26 14.8	38.74N	23.46E	23–5	2.7L			

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.9km az=305.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.1km az=16.2.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=5.6km az=85.0.
ATH Error ellipse: s-maj=0.8km s-min=1.5km az=-1.0.

ISC	**X**	**14 16 25 19.4–.73**	**38.83N–.02**	**23.61E–.04**	**11–5**			**85**	**1-3**
ISCJB	X	14 16 25 18.6–1.1	38.86N–.02	23.60E–.04	8–8				**¶13397058**
CSEM	X	14 16 25 19.5	38.85N	23.59E	25	3.5L			
ATH	X	14 16 25 19.6	38.85N	23.59E	25–0	3.5L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=164.7.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.

ISC	**X**	**15 19 29 24.5–.32**	**38.84N–.01**	**23.60E–.01**	**2–2**	**4.0b,3.2s**		**670**	**0-88**
PDG	X	15 19 29 23.7–.63	38.87N	23.65E	6–1	3.8L,3.2s			**¶13397183**
IDC	X	15 19 29 23.8–.83	38.81N	23.55E	0	4.0,4.0b			
ISCJB	X	15 19 29 23.4–.31	38.87N–.01	23.60E–.01	5–2	4.0b,3.2s			
CSEM	X	15 19 29 24.3–.07	38.84N	23.61E	2	4.2b,3.0s			
THE	X	15 19 29 24.4	38.84N	23.58E	1–1	4.1L,3.0s			
ATH	X	15 19 29 24.0	38.86N	23.60E	23–1	4.6L,3.0s			
NEIC	X	15 19 29 25.4–.32	38.82N	23.61E	10	4.2b,3.0s			
MOS	X	15 19 29 26.7–.86	38.87N	23.55E	33	4.3b,3.0s			

ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
IDC Error ellipse: s-maj=17.6km s-min=14.1km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=7.3.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=10.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=162.0.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=184.0.
MOS Error ellipse: s-maj=8.0km s-min=4.2km az=113.8.

ISC	**X**	**16 03 41 31.4–.46**	**38.85N–.02**	**23.59E–.04**	**11–4**			**74**	**0-3**
ISCJB	X	16 03 41 30.8–.47	38.85N–.02	23.58E–.04	7–4				**¶13397225**
CSEM	X	16 03 41 30.7–.20	38.84N	23.60E	10	2.0L			
ATH	X	16 03 41 30.8	38.87N	23.61E	26–1	2.6L			
THE	X	16 03 41 31.3	38.81N	23.58E	4–2	2.0L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=178.1.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=88.0.
ATH Error ellipse: s-maj=1.2km s-min=1.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=320.0.

ISC	**X**	**16 07 23 46.3–.47**	**38.84N–.02**	**23.60E–.03**	**11–4**			**65**	**0-2**
ATH	X	16 07 23 45.9	38.84N	23.57E	27–1	2.6L			**¶13397242**
ISCJB	X	16 07 23 46.6–.48	38.86N–.02	23.61E–.04	17–9	2.6L			
CSEM	X	16 07 23 46.2–.16	38.84N	23.60E	15	2.2L			
THE	X	16 07 23 46.4	38.82N	23.58E	6–1	2.2L			

ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=177.7.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=102.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=351.0.

THE	**X**	**16 22 33 46.0**	**38.86N**	**23.55E**	**3–1**	**2.0L**			
ATH	X	16 22 33 44.3	38.89N	23.64E	25–1	2.6L			**¶13397293**
CSEM	X	16 22 33 45.1–.14	38.85N	23.61E	10–0	2.0L			

THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=212.0.
ATH Error ellipse: s-maj=0.7km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=107.0.

ISC	**X**	**17 00 52 05.5–.53**	**38.82N–.02**	**23.58E–.04**	**15–5**			**47**	**0-2**
ATH	X	17 00 52 04.9	38.84N	23.59E	26–2	2.8,1.8L			**¶13397299**
ISCJB	X	17 00 52 05.8–.52	38.84N–.03	23.58E–.05	16–11	2.8,1.8L			
CSEM	X	17 00 52 05.2–.29	38.81N	23.60E	18–2	1.2L,1.8L			
THE	X	17 00 52 06.2	38.83N	23.55E	5–2	1.2L,1.8L			

ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=171.2.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=5.0km az=86.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.4km az=321.0.

ISC	**X**	**17 18 42 40.1–.17**	**38.89N–.02**	**20.71E–.02**	**57–3**	**3.8b,3.4s**		**493**	**0-122**
MOS	X	17 18 42 38.3–1.1	38.88N	20.75E	51	4.0b,3.4s			**¶13397349**
ISCJB	X	17 18 42 38.8–.18	38.90N–.02	20.70E–.02	66–2	3.7b,3.4s			
ATH	X	17 18 42 39.5	38.85N	20.75E	42–2	3.9L,3.4s			
PDG	X	17 18 42 40.9–.30	39.00N	20.10E	22–11	4.0L,3.4s			
CSEM	X	17 18 42 40.5–.09	38.91N	20.76E	60	3.8b,3.4s			
THE	X	17 18 42 40.7	38.93N	20.79E	40–2	4.0L,3.4s			
IDC	X	17 18 42 41.2–2.2	38.92N	20.74E	66–23	3.6,3.5			
NEIC	X	17 18 42 41.8–.66	39.01N	20.71E	71–7	4.1b,3.5			
HLW	X	17 18 42 43.1	38.64N	21.79E	33–47	4.3,3.9L			
SKO	X	17 18 42 48.3	39.50N	21.21E	18	4.3,3.9L			

ISC Event type ke.
MOS Error ellipse: s-maj=10.5km s-min=5.3km az=102.5.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=40.9.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=99.2km s-min=22.7km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=36.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=257.0.
IDC Error ellipse: s-maj=19.5km s-min=11.1km az=142.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.6km az=149.0.

ISC	**X**	**17 20 28 11.0–.43**	**38.06N–.02**	**21.27E–.03**	**5–4**			**96**	**0-6**
ISCJB	X	17 20 28 10.7–.42	38.05N–.02	21.28E–.03	10				**¶13397358**
CSEM	X	17 20 28 10.7–.26	38.07N	21.26E	8	2.7L			
ATH	X	17 20 28 10.8	38.04N	21.25E	12–1	2.7L			
THE	X	17 20 28 11.2	38.08N	21.30E	15–1	2.9L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=17.4.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=37.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=6.0.

ISC	**X**	**17 21 25 36.0–.39**	**38.83N–.02**	**23.56E–.03**	**5–3**			**114**	**0-3**
ISCJB	X	17 21 25 35.3–.39	38.83N–.02	23.57E–.03	3–3				**¶13397363**
CSEM	X	17 21 25 35.8–.19	38.83N	23.59E	10–0	2.8L			
THE	X	17 21 25 35.8	38.85N	23.52E	0–1	2.8L			
ATH	X	17 21 25 36.0	38.82N	23.54E	17–1	3.5L			
SKO	X	17 21 25 38.9	39.09N	23.44E	0	3.5L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=7.1.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=102.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=113.0.
ATH Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.

ISC X 17 22 02 50.1–.40 38.85N–.02 23.53E–.04 14–3 74 0-2
CSEM X 17 22 02 49.8–.11 38.83N 23.53E 15 1.9L **¶13397366**
ATH X 17 22 02 49.5 38.85N 23.52E 27–1 2.5L
ISCJB X 17 22 02 50.3–.43 38.86N–.02 23.52E–.04 17–6 2.5L
THE X 17 22 02 50.2 38.83N 23.53E 8–1 1.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=98.0.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=6.3.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=313.0.
ISC X 18 11 27 58.7–.37 38.84N–.02 23.59E–.03 9–3 122 0-3
ISCJB X 18 11 27 57.9–.37 38.84N–.01 23.60E–.03 6–3 **¶13397407**
ATH X 18 11 27 57.8 38.84N 23.58E 23–0 3.4L
CSEM X 18 11 27 58.8–.18 38.83N 23.60E 14–0 2.9L
THE X 18 11 27 59.0 38.85N 23.57E 8–1 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=5.4.
ATH Error ellipse: s-maj=0.5km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=102.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=122.0.
ISC X 19 03 46 51.3–.46 38.86N–.02 23.62E–.03 11–3 79 0-2
ISCJB X 19 03 46 50.8–.46 38.85N–.02 23.62E–.03 6–4 **¶13397466**
CSEM X 19 03 46 50.9–.19 38.84N 23.63E 10–0 2.2L
THE X 19 03 46 51.9 38.87N 23.56E 8–1 2.2L
ATH X 19 03 46 51.1 38.85N 23.56E 24–1 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=171.2.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=94.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=86.0.
ATH Error ellipse: s-maj=0.9km s-min=1.6km az=-1.0.
ISC X 19 03 58 27.8–.43 38.83N–.02 23.64E–.03 8–3 109 0-3
ISCJB X 19 03 58 27.0–.45 38.83N–.02 23.66E–.03 3–3 **¶13397468**
ATH X 19 03 58 26.3 38.85N 23.67E 16–1 3.3L
CSEM X 19 03 58 28.0–.21 38.86N 23.60E 10 2.7L
THE X 19 03 58 28.9 38.85N 23.59E 11–1 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=2.2.
ATH Error ellipse: s-maj=0.6km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=102.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=110.0.
ISC X 19 06 36 40.5–.46 38.86N–.02 23.63E–.03 11–4 77 0-2
ISCJB X 19 06 36 39.9–.46 38.85N–.02 23.63E–.03 8–4 **¶13397479**
CSEM X 19 06 36 40.4–.20 38.85N 23.64E 15 2.1L
ATH X 19 06 36 40.2 38.85N 23.61E 25–0 2.8L
THE X 19 06 36 40.7 38.87N 23.60E 10–1 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=174.2.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=84.0.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=330.0.
ISC X 19 23 49 47.4–1.6 38.3N–.10 20.21E–.10 5–13 22 0-5
ISCJB X 19 23 49 48.6–1.6 38.2N–.10 20.28E–.09 10 **¶13397546**
CSEM X 19 23 49 48.5 38.24N 20.29E 8 3.4
ATH X 19 23 49 48.5 38.24N 20.29E 8–2 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=7.8km az=27.7.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISC X 20 13 42 05.5–1.3 38.13N–.05 20.33E–.07 5–6 47 0-5
ISCJB X 20 13 42 04.8–1.2 38.14N–.05 20.30E–.07 3–6 **¶13397605**
CSEM X 20 13 42 05.4–.42 38.16N 20.31E 5 3.0
ATH X 20 13 42 05.7 38.26N 20.45E 15–1 3.0
THE X 20 13 42 07.0 38.15N 20.44E 3–1 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=8.1km az=152.5.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=6.4km az=70.0.
ATH Error ellipse: s-maj=3.2km s-min=3.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=56.0.
ISC X 21 01 57 42.5–.32 40.98N–.02 22.81E–.03 9–4 85 0-2
ISCJB X 21 01 57 41.7–.32 41.00N–.02 22.81E–.03 7–4 **¶11749151**
ATH X 21 01 57 42.0 40.99N 22.88E 26–2 3.4
CSEM X 21 01 57 42.3–.20 40.98N 22.81E 10 2.1L
THE X 21 01 57 42.7 40.98N 22.84E 8–0 2.1L
SKO X 21 01 57 43.1 41.00N 22.85E 3 2.4L,2.1
SOF X 21 01 57 44.2 41.11N 22.89E 11 2.5,2.1
BEO X 21 01 57 45.8–1.1 41.06N 22.84E 0–0 1.9L,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=157.8.
ATH Error ellipse: s-maj=1.8km s-min=2.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=103.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=344.0.
ISC X 21 12 00 41.7–.76 38.92N–.04 20.58E–.07 9–6 39 0-2
CSEM X 21 12 00 40.7–.45 38.90N 20.43E 20 2.5L **¶13397694**
ISCJB X 21 12 00 41.2–.78 38.91N–.04 20.55E–.07 7–6 2.5L
THE X 21 12 00 41.7 38.92N 20.64E 0–1 2.5L
ATH X 21 12 00 42.0 38.87N 20.72E 26 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=7.4km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.1km az=163.4.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=286.0.
ATH Error ellipse: s-maj=4.9km s-min=4.1km az=-1.0.
THE X 21 15 36 33.5 40.67N 23.73E 12–1 2.3L
CSEM X 21 15 36 32.9–.35 40.64N 23.72E 30 2.3L **¶11749183**
BEO X 21 15 36 35.6–2.4 40.81N 23.61E 9–3 2.1L
SKO X 21 15 36 35.9 40.71N 23.65E 5 2.1L
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=286.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=8.2km az=42.0.
THE X 21 15 36 49.6 38.16N 22.58E 0–1 2.8L
ATH X 21 15 36 48.8 38.16N 22.57E 17–3 2.8L **¶13397715**
CSEM X 21 15 36 49.0–.16 38.15N 22.58E 15 2.8L
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=100.0.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=45.0.
ISC X 22 23 48 31.0–.35 38.84N–.01 23.54E–.02 11–2 182 0-4
ISCJB X 22 23 48 30.4–.35 38.84N–.01 23.55E–.02 10–2 **¶13397846**
THE X 22 23 48 30.9 38.84N 23.49E 1–2 3.0L
ATH X 22 23 48 30.2 38.83N 23.54E 26–0 3.8L
CSEM X 22 23 48 31.3–.11 38.83N 23.53E 15 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=9.8.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.6km az=57.0.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=99.0.
ISC X 23 01 17 14.4–.37 38.83N–.02 23.56E–.03 12–3 92 0-4
ATH X 23 01 17 13.9 38.84N 23.54E 25–0 3.5L **¶13397849**
ISCJB X 23 01 17 14.8–.39 38.85N–.02 23.56E–.04 18–5 3.5L
CSEM X 23 01 17 14.3–.14 38.81N 23.56E 15 2.5L
THE X 23 01 17 15.6 38.90N 23.48E 9–0 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=98.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=155.0.
ISC X 23 02 17 08.8–.28 38.17N–.01 22.59E–.01 9–2 4.5b,3.7s 946 0-121
BEO X 23 02 17 04.0 37.81N 22.85E 0–0 4.5b,3.7s **¶11370025**
ISCJB X 23 02 17 07.7–.25 38.19N–.01 22.59E–.01 13–2 4.5b,3.7s
PDG X 23 02 17 07.9–.62 38.18N 22.60E 11–1 4.0L,3.7s
TEH X 23 02 17 07.0 38.21N 22.61E 2 4.0L,3.7s
ATH X 23 02 17 07.9 38.15N 22.56E 19–0 4.5L,3.7s
NEIC X 23 02 17 07.9 38.15N 22.56E 19 4.6b,4.5L
CSEM X 23 02 17 08.5–.08 38.16N 22.58E 10 4.5L,3.3s
HLW X 23 02 17 09.2 37.84N 21.90E 33–40 4.4,4.2L
IDC X 23 02 17 09.2–2.9 38.23N 22.62E 18–17 4.3b,4.3
THE X 23 02 17 10.1 38.17N 22.46E 32–57 4.2L,4.3
MOS X 23 02 17 10.3–1.2 38.21N 22.60E 33 4.8b,4.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=36.6.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=37.0.
IDC Error ellipse: s-maj=14.5km s-min=12.8km az=178.0.
THE Event type ke. Error ellipse: s-maj=57.5km s-min=1.0km az=318.0.
MOS Error ellipse: s-maj=5.1km s-min=2.7km az=105.0.
ISC X 23 02 43 15.6–.44 38.83N–.02 23.54E–.04 13–4 59 0-2
ISCJB X 23 02 43 14.9–.45 38.83N–.02 23.54E–.04 10–4 **¶13397852**
CSEM X 23 02 43 15.2–.15 38.81N 23.55E 15 2.4L
ATH X 23 02 43 15.1 38.84N 23.50E 27–0 3.4L
THE X 23 02 43 16.4 38.89N 23.50E 7–2 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=15.4.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=102.0.
ATH Error ellipse: s-maj=0.5km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=337.0.
ISC X 23 02 55 48.2–.51 38.84N–.03 23.54E–.05 12–5 47 0-2
ISCJB X 23 02 55 47.7–.51 38.83N–.03 23.53E–.05 8–5 **¶13397854**
CSEM X 23 02 55 47.5–.21 38.80N 23.57E 10 3.1L
THE X 23 02 55 47.6 38.78N 23.53E 10–1 2.7L
ATH X 23 02 55 47.8 38.84N 23.53E 24–1 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=13.5.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=102.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.7km az=340.0.
ATH Error ellipse: s-maj=1.0km s-min=1.8km az=-1.0.
ISC X 23 03 05 56.3–.36 38.15N–.02 22.60E–.02 4–3 4.0b 133 0-44
IDC X 23 03 05 53.6–3.0 37.62N 22.93E 0 4.0b,4.0 **¶12070856**
ISCJB X 23 03 05 55.6–.36 38.15N–.02 22.60E–.02 5–3 4.0b,4.0
ATH X 23 03 05 55.8 38.13N 22.58E 19–0 3.3L,4.0
CSEM X 23 03 05 56.3–.13 38.17N 22.58E 5 3.3L,4.0
THE X 23 03 05 57.0 38.21N 22.64E 3–3 3.3L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=72.5km s-min=25.5km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=170.4.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=75.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.7km az=272.0.
ISC X 23 03 25 14.7–.30 38.15N–.02 22.63E–.02 10–2 4.2b,3.5s 537 0-121
NEIC X 23 03 25 13.9 38.13N 22.60E 23 4.3b,3.9L **¶13397857**
ATH X 23 03 25 13.9 38.13N 22.60E 23–0 3.9L,3.9L
CSEM X 23 03 25 14.4–.11 38.15N 22.60E 10 4.3b,2.9s
THE X 23 03 25 14.8 38.22N 22.74E 5–3 3.8L,2.9s
PDG X 23 03 25 14.1–.66 38.20N 22.63E 11–1 3.8L,2.9s
IDC X 23 03 25 16.6–3.4 38.23N 22.58E 26–23 4.0b,4.0
MOS X 23 03 25 17.0–1.4 38.28N 22.69E 33 4.4b,4.0
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=38.0.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.7km az=246.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.2km az=0.0.
IDC Error ellipse: s-maj=16.4km s-min=14.0km az=161.0.
MOS Error ellipse: s-maj=6.2km s-min=3.4km az=108.8.
ISC X 23 07 09 10.0–.38 38.83N–.02 23.52E–.03 10–3 90 0-3
ISCJB X 23 07 09 09.3–.43 38.83N–.02 23.53E–.03 4–4 **¶13397870**
CSEM X 23 07 09 09.8–.17 38.83N 23.52E 15 3.1L
THE X 23 07 09 10.2 38.85N 23.49E 8–1 3.1L
ATH X 23 07 09 10.0 38.82N 23.49E 14–2 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=17.2.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=102.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=53.0.
ATH Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.
ISC X 23 09 47 59.8–.73 40.74N–.03 22.52E–.04 13–12 37 0-1
ISCJB X 23 09 47 59.4–.53 40.74N–.03 22.52E–.04 9–7 **¶13397880**
CSEM X 23 09 47 59.8–.15 40.73N 22.53E 5 2.1L
ATH X 23 09 47 59.8 40.75N 22.52E 2 2.7
SKO X 23 09 48 00.7 40.76N 22.55E 3 1.9L,1.4
THE X 23 09 48 00.1 40.73N 22.54E 4–9 2.1L,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=149.2.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=115.0.
THE Event type ke. Error ellipse: s-maj=9.3km s-min=0.4km az=337.0.
THE X 23 13 37 45.0 38.27N 22.15E 2–12 1.0L
¶15081385
THE Event type ke. Error ellipse: s-maj=12.8km s-min=0.4km az=311.0.
ISC X 23 14 44 58.7–.26 38.44N–.01 21.98E–.02 6–2 4.1b 306 0-78
IDC X 23 14 44 56.7–1.0 38.48N 22.03E 0 4.1b,4.1 **¶13397901**
ISCJB X 23 14 44 57.8–.24 38.46N–.01 21.96E–.02 11–2 4.1b,4.1
NEIC X 23 14 44 58.3 38.44N 21.99E 12 3.9L,4.1
ATH X 23 14 44 58.0 38.44N 21.98E 11–1 3.8L,4.1
PDG X 23 14 44 58.3–.44 38.44N 21.99E 12–0 3.9L,4.1
THE X 23 14 44 58.3 38.46N 21.98E 0–1 3.7L,4.1
CSEM X 23 14 44 58.6–.11 38.42N 22.00E 8 3.8L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=17.2km az=162.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=145.3.
NEIC Event type se. After PDG.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=269.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=64.0.
ISC X 23 14 49 50.1–.28 38.46N–.02 21.97E–.02 8–2 3.6b 150 0-45
IDC X 23 14 49 46.3–1.4 39.79N 20.39E 0 4.8L,3.9b **¶12070901**
ISCJB X 23 14 49 49.5–.29 38.47N–.02 21.97E–.02 8–2 3.6b,3.9b
CSEM X 23 14 49 49.6–.12 38.44N 21.99E 8 3.2L,3.9b
THE X 23 14 49 49.9 38.46N 21.98E 0–1 3.2L,3.9b
ATH X 23 14 49 49.5 38.43N 22.01E 9–2 3.2L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=64.6km s-min=24.7km az=146.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=163.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=81.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=297.0.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
ISC X 23 16 25 58.9–.28 38.47N–.02 21.98E–.02 7–2 3.6b 143 0-45
IDC X 23 16 25 56.8–1.7 38.82N 21.61E 0 3.8b,3.7 **¶12070913**
ISCJB X 23 16 25 58.4–.30 38.47N–.02 21.98E–.02 7–2 3.6b,3.7
CSEM X 23 16 25 58.6–.12 38.45N 21.99E 8 3.1,3.7
THE X 23 16 25 58.7 38.45N 21.99E 0–1 3.1L,3.7
ATH X 23 16 25 58.3 38.45N 21.96E 14–1 3.1,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=104.3km s-min=24.6km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=141.2.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=127.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=296.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
ISC X 23 19 08 45.9–.54 38.45N–.03 21.95E–.04 13–4 51 0-2
ISCJB X 23 19 08 45.6–.47 38.46N–.03 21.95E–.04 12–3 **¶13397919**
CSEM X 23 19 08 45.4–.14 38.44N 21.96E 14–0 2.7
ATH X 23 19 08 45.6 38.44N 21.93E 13–1 2.7
THE X 23 19 08 46.3 38.45N 21.97E 9–1 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=40.4.

CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=108.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=213.0.
ISC X 23 19 17 50.8–.27 38.16N–.02 22.58E–.02 9–2 3.8b 212 0-121
IDC X 23 19 17 49.0–.95 38.26N 22.54E 0 3.9b,3.9 **¶12070927**
ISCJB X 23 19 17 50.1–.28 38.16N–.02 22.57E–.02 10–2 3.8b,3.9
CSEM X 23 19 17 50.7–.12 38.17N 22.60E 9–0 3.6L,3.9
THE X 23 19 17 50.7 38.16N 22.60E 3–1 3.6L,3.9
ATH X 23 19 17 50.0 38.15N 22.56E 21–0 3.7L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=20.7km s-min=17.6km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=42.2.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=35.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=223.0.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
ISC X 24 06 48 29.3–.41 40.72N–.03 22.53E–.03 10–7 56 0-1
ISCJB X 24 06 48 28.8–.42 40.71N–.02 22.53E–.03 0–7 **¶13397954**
CSEM X 24 06 48 28.9–.14 40.72N 22.52E 8 2.1L
ATH X 24 06 48 28.2 40.77N 22.47E 4 2.7
THE X 24 06 48 29.6 40.73N 22.56E 8–0 2.1L
SKO X 24 06 48 29.4 40.73N 22.51E 4 1.9L,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=179.8.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=173.0.
ATH Error ellipse: s-maj=1.9km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=9.0.
THE X 25 01 40 43.2 38.44N 21.96E 11–1 1.5L
CSEM X 25 01 40 43.2 38.44N 21.96E 11 1.5L **¶13566975**
SKO X 25 01 41 26.7 41.29N 20.29E 12 1.5L
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=219.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC X 25 05 04 01.4–.56 39.23N–.03 21.81E–.06 12–8 38 0-2
ISCJB X 25 05 04 01.0–.73 39.24N–.03 21.80E–.06 2–10 **¶13398009**
CSEM X 25 05 04 01.1–.29 39.22N 21.83E 20 3.0
THE X 25 05 04 01.3 39.24N 21.79E 13–3 1.9L
ATH X 25 05 04 01.3 39.23N 21.80E 13–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.3km az=21.4.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=6.1km az=105.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.2km az=114.0.
ATH Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0.
ISC X 25 11 16 49.9–.40 38.33N–.03 22.10E–.03 12–3 63 0-1
ISCJB X 25 11 16 49.7–.37 38.33N–.03 22.11E–.03 10–3 **¶13398028**
CSEM X 25 11 16 49.3–.19 38.35N 22.09E 15 2.2L
THE X 25 11 16 49.9 38.32N 22.11E 11–1 2.2L
ATH X 25 11 16 49.2 38.33N 22.10E 16–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=144.7.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.6km az=135.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=26.0.
ATH Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.
ISC X 25 14 36 25.1–.27 38.75N–.01 21.92E–.02 11–2 4.0b 525 0-95
IDC X 25 14 36 22.6–.89 38.76N 21.92E 0 4.1,4.0L **¶13398036**
THE X 25 14 36 24.8 38.77N 21.91E 2–1 4.0L,4.0L
NEIC X 25 14 36 24.9 38.77N 21.91E 3 4.0b,4.0L
ATH X 25 14 36 24.1 38.78N 21.91E 20–1 4.1L,4.0L
PDG X 25 14 36 24.6–.71 38.78N 21.96E 13–1 3.9L,3.9
ISCJB X 25 14 36 24.1–.28 38.77N–.01 21.87E–.02 14–2 4.0b,3.9
CSEM X 25 14 36 24.7–.09 38.75N 21.92E 9–0 4.2b,3.9
MOS X 25 14 36 25.6–1.1 38.77N 21.84E 33 4.4b,3.9
BEO X 25 14 36 31.7–1.4 39.30N 22.00E 0–0 3.7L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=17.6km s-min=12.1km az=125.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=164.0.
NEIC Event type se. After THE.
ATH Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=148.4.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=62.0.
MOS Error ellipse: s-maj=7.6km s-min=3.9km az=103.3.
ISC X 26 10 43 07.9–.76 38.35N–.03 21.94E–.03 15–7 43 0-1
ISCJB X 26 10 43 07.7–.46 38.35N–.03 21.94E–.03 10 **¶13398108**
CSEM X 26 10 43 07.3–.25 38.35N 21.96E 15 2.3L
THE X 26 10 43 07.0 38.37N 21.88E 18–1 2.3L
ATH X 26 10 43 07.5 38.33N 21.97E 5–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=154.4.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=144.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.3km az=222.0.
ATH Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC X 26 12 11 57.6–1.3 38.34N–.04 22.08E–.06 13–9 27 0-1
ISCJB X 26 12 11 57.3–.94 38.34N–.04 22.09E–.06 13–8 **¶13398116**
CSEM X 26 12 11 57.3–.13 38.34N 22.08E 10 1.1L
ATH X 26 12 11 57.8 38.35N 22.12E 3–3 2.8
THE X 26 12 11 57.8 38.32N 22.09E 11–1 1.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.0km az=160.8.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=74.0.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=305.0.
ISC X 26 17 20 31.7–.27 38.41N–.01 23.65E–.01 8–2 4.5b,3.7s 928 0-120
BJI X 26 17 20 26.0 38.47N 22.95E 10 4.7b,4.6s **¶11362763**
DDA X 26 17 20 27.9 38.40N 23.59E 5–0 3.4,4.6s
ISCJB X 26 17 20 30.3–.25 38.43N–.01 23.66E–.01 10–2 4.5b,3.7s
ATH X 26 17 20 30.1 38.42N 23.68E 22–0 4.4L,3.7s
PDG X 26 17 20 30.9–.67 38.43N 23.69E 11–1 4.2L,3.7s
NEIC X 26 17 20 31.2–.33 38.33N 23.70E 10 4.5b,4.2L
THE X 26 17 20 31.0 38.42N 23.68E 2–1 4.4L,4.2L
CSEM X 26 17 20 31.5–.08 38.39N 23.65E 10 4.6b,3.4s
HLW X 26 17 20 34.0 38.17N 23.34E 33–33 4.1L,4.0
MOS X 26 17 20 33.3–1.0 38.47N 23.63E 33 4.6b,4.0
IDC X 26 17 20 34.6–2.8 38.39N 23.72E 33–22 4.0,3.9
BEO X 26 17 20 41.6–1.3 39.18N 23.66E 0–2 3.8L,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=21.2.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=90.0.
NEIC Event type fe. Error ellipse: s-maj=5.6km s-min=4.1km az=182.0. Felt in the Athens area.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=233.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=53.0.
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=117.4.
IDC Error ellipse: s-maj=13.5km s-min=10.8km az=152.0.
ISC X 26 17 23 38.8–.40 38.39N–.02 23.67E–.03 12–3 116 0-3
ISCJB X 26 17 23 38.1–.40 38.39N–.02 23.67E–.03 9–3 **¶13398137**
CSEM X 26 17 23 38.4–.17 38.40N 23.67E 10 3.9L
ATH X 26 17 23 38.4 38.36N 23.65E 23–0 3.9L
THE X 26 17 23 38.9 38.38N 23.63E 9–1 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=168.9.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=84.0.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=99.0.
ISC X 26 18 01 56.9–.52 38.39N–.02 23.64E–.04 10–5 71 0-2
ISCJB X 26 18 01 57.0–.55 38.38N–.03 23.68E–.04 16–10 **¶13398155**
CSEM X 26 18 01 56.4–.22 38.40N 23.66E 15 4.9L
ATH X 26 18 01 56.3 38.37N 23.65E 24–1 2.6L
THE X 26 18 01 57.0 38.38N 23.62E 1–3 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=156.8.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=71.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=54.0.
ISC X 26 18 22 15.7–.34 38.35N–.02 22.15E–.03 10–3 3.3b 100 0-45
IDC X 26 18 22 14.3–1.6 38.14N 22.49E 0 3.4b,3.3 **¶12071177**
ISCJB X 26 18 22 15.3–.33 38.35N–.02 22.15E–.03 10–3 3.3b,3.3
CSEM X 26 18 22 15.4–.13 38.35N 22.12E 8 2.9L,3.3
THE X 26 18 22 15.8 38.34N 22.14E 5–2 2.9L,3.3
ATH X 26 18 22 15.0 38.35N 22.13E 20–1 3.4L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=73.9km s-min=26.0km az=126.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=2.6.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=65.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=240.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
ISC X 26 19 40 00.2–.38 38.39N–.02 23.64E–.02 6–3 3.7b 186 0-58
IDC X 26 19 39 58.8–1.3 38.25N 23.82E 0 3.8b,3.8 **¶12071184**
THE X 26 19 39 59.9 38.40N 23.65E 2–1 3.9L,3.8
CSEM X 26 19 39 59.8–.15 38.39N 23.65E 2 3.9L,3.8
ISCJB X 26 19 39 59.0–.40 38.41N–.02 23.69E–.03 5–3 3.7b,3.8
ATH X 26 19 40 00.2 38.39N 23.60E 12–2 3.9L,3.8
NEIC X 26 19 40 03.1–3.8 38.29N 23.70E 30–30 3.9L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=19.1km az=114.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=210.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=15.2.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=9.6km az=159.0.
ISC X 26 23 45 00.6–.88 40.43N–.03 21.11E–.07 21–9 29 1-2
SKO X 26 23 44 59.4 40.36N 21.00E 0 **¶13398189**
ISCJB X 26 23 45 00.8–.79 40.43N–.03 21.12E–.07 24–8
ATH X 26 23 45 01.7 40.38N 21.21E 25–1 3.4
CSEM X 26 23 45 01.7 40.38N 21.21E 25 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.7km az=179.6.
ATH Error ellipse: s-maj=2.1km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC X 27 08 25 12.2–.48 38.84N–.03 23.60E–.04 11–5 62 0-2
ISCJB X 27 08 25 11.7–.50 38.84N–.02 23.61E–.04 5–6 **¶13398232**
CSEM X 27 08 25 12.3–.15 38.83N 23.58E 10 2.3L
THE X 27 08 25 12.5 38.86N 23.58E 11–1 2.3L
ATH X 27 08 25 12.7 38.83N 23.52E 4 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=11.8.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=107.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=317.0.
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
ISC X 27 10 41 37.8–.36 38.85N–.02 23.63E–.02 7–3 176 0-7
ISCJB X 27 10 41 37.0–.37 38.85N–.01 23.64E–.02 4–3 **¶13398236**
CSEM X 27 10 41 37.6–.13 38.83N 23.63E 10–0 3.5L
THE X 27 10 41 37.6 38.85N 23.62E 2–1 3.5L
ATH X 27 10 41 37.2 38.85N 23.60E 24–1 4.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=28.3.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=105.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=203.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
ISC X 27 13 42 13.0–.34 38.38N–.02 23.64E–.02 5–2 3.7b,3.5s 315 0-67
IDC X 27 13 42 12.0–1.1 38.37N 23.62E 0 3.8,3.7b **¶11389496**
ATH X 27 13 42 12.2 38.40N 23.65E 22–1 4.0L,3.7
ISCJB X 27 13 42 12.4–.34 38.41N–.02 23.65E–.02 12–3 3.7b,3.5s
PDG X 27 13 42 12.3–.77 38.45N 23.71E 8–1 3.8L,3.5s
THE X 27 13 42 12.6 38.40N 23.64E 0–2 4.0L,3.5s
CSEM X 27 13 42 13.3–.12 38.37N 23.64E 10 3.7,3.5s
NEIC X 27 13 42 16.1–2.2 38.37N 23.61E 29–17 3.8L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=23.6km s-min=16.0km az=139.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=32.1.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=102.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.6km az=161.0.
ISC X 27 13 49 26.6–.50 38.40N–.02 23.63E–.04 16–5 61 0-1
CSEM X 27 13 49 26.2–.24 38.40N 23.65E 24–2 2.6L **¶13398253**
THE X 27 13 49 26.6 38.40N 23.62E 15–2 2.2L
ATH X 27 13 49 26.3 38.39N 23.61E 19–3 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=68.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=222.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
ISC X 27 14 22 26.1–.35 38.40N–.02 23.63E–.03 14–3 3.5b 133 0-44
IDC X 27 14 22 24.6–1.5 38.10N 23.89E 0 3.6b,3.6 **¶12071241**
CSEM X 27 14 22 25.9–.12 38.40N 23.62E 15 3.7L,3.6
ISCJB X 27 14 22 25.4–.41 38.41N–.02 23.65E–.03 11–3 3.5b,3.6
ATH X 27 14 22 25.1 38.40N 23.66E 27–1 3.7L,3.6
THE X 27 14 22 26.2 38.40N 23.62E 13–1 3.3L,3.6
SKO X 27 14 22 33.4 39.08N 23.81E 0 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=49.0km s-min=21.2km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=164.4.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=171.0.
ISC X 27 17 18 40.9–.82 38.45N–.03 21.96E–.04 10–8 36 0-1
CSEM X 27 17 18 39.8–.17 38.44N 21.95E 15 1.8L **¶13398276**
ISCJB X 27 17 18 40.5–.52 38.46N–.03 21.96E–.04 10 1.8L
ATH X 27 17 18 40.4 38.44N 21.99E 9–8 2.9
THE X 27 17 18 40.8 38.45N 21.96E 9–1 1.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=6.3.
ATH Error ellipse: s-maj=5.8km s-min=8.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=243.0.
ATH X 27 23 40 06.4 38.05N 21.89E 5 3.0
CSEM X 27 23 40 06.4 38.05N 21.89E 5 3.0 **¶13398302**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC X 28 11 01 44.3–.38 38.43N–.02 23.63E–.03 9–3 137 0-4
ISCJB X 28 11 01 43.6–.40 38.43N–.02 23.65E–.03 7–3 **¶13398353**
ATH X 28 11 01 43.6 38.42N 23.69E 26–1 3.7L
CSEM X 28 11 01 44.6–.17 38.40N 23.67E 20 3.7L
THE X 28 11 01 44.5 38.43N 23.61E 4–2 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=164.4.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=78.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=254.0.
ISC X 28 13 51 24.4–.57 38.45N–.03 21.96E–.03 12–6 58 0-1
ISCJB X 28 13 51 24.0–.43 38.46N–.02 21.96E–.03 11–4 **¶13398368**
CSEM X 28 13 51 24.0–.12 38.45N 21.97E 10 2.8
THE X 28 13 51 24.6 38.45N 21.98E 9–1 1.8L
ATH X 28 13 51 24.3 38.45N 21.98E 11–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=29.9.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=141.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=218.0.
ATH Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
ISC X 29 04 44 32.5–.53 38.37N–.03 22.03E–.04 18–4 39 0-1
CSEM X 29 04 44 31.6–.21 38.36N 22.17E 15 1.7L **¶13398487**
ATH X 29 04 44 31.5 38.37N 22.19E 4 3.0
ISCJB X 29 04 44 32.8–.43 38.39N–.02 22.03E–.04 10 3.0
THE X 29 04 44 33.1 38.39N 22.00E 12–1 1.7L

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=82.0.
ATH Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=179.9.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=249.0.

ISC	**X**	**29 13 00 23.6–.96**	**38.43N–.04**	**21.95E–.05**	**11–8**		**31**	**0-1**
CSEM	X	29 13 00 22.8–.14	38.42N	21.96E	15–0	2.0L		¶13398542
ISCJB	X	29 13 00 23.2–.55	38.43N–.03	21.95E–.04	13–4	2.0L		
ATH	X	29 13 00 23.7	38.43N	21.96E	8–2	2.8		
THE	X	29 13 00 23.5	38.43N	21.95E	11–1	2.0L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.5km az=167.5.
ATH Error ellipse: s-maj=0.9km s-min=1.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=221.0.

ISC	**X**	**29 13 23 11.0–.78**	**38.45N–.03**	**21.96E–.04**	**7–9**		**37**	**0-1**
CSEM	X	29 13 23 09.6–.19	38.44N	21.96E	15	2.1L		¶13398546
ISCJB	X	29 13 23 10.4–.71	38.45N–.03	21.96E–.04	10–7	2.1L		
THE	X	29 13 23 10.3	38.45N	21.95E	10–1	2.1L		
ATH	X	29 13 23 11.0	38.45N	21.96E	5–4	2.8		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.7km az=178.3.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=240.0.
ATH Error ellipse: s-maj=1.3km s-min=2.4km az=-1.0.

ISC	**X**	**29 17 06 29.9–.41**	**38.84N–.02**	**23.62E–.03**	**10–3**		**112**	**0-3**
ISCJB	X	29 17 06 29.1–.45	38.83N–.02	23.63E–.03	5–4			¶13398567
CSEM	X	29 17 06 29.6–.12	38.83N	23.62E	9–0	3.1L		
ATH	X	29 17 06 29.2	38.85N	23.64E	25–1	3.7L		
THE	X	29 17 06 30.1	38.83N	23.58E	4–1	3.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=10.5.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=102.0.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=256.0.

ISC	**X**	**29 17 12 09.7–.39**	**38.84N–.02**	**23.62E–.03**	**8–3**		**123**	**0-3**
ISCJB	X	29 17 12 08.8–.44	38.83N–.02	23.64E–.03	4–4			¶13398568
ATH	X	29 17 12 08.9	38.85N	23.64E	22–1	3.8L		
CSEM	X	29 17 12 09.3–.13	38.84N	23.62E	8	2.8L		
THE	X	29 17 12 09.9	38.83N	23.57E	4–1	2.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=28.6.
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=116.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=294.0.

ISC	**X**	**30 11 35 37.5–.98**	**38.13N–.05**	**22.58E–.06**	**18–9**		**22**	**0-1**
ATH	X	30 11 35 32.7	38.44N	22.41E	38–2	2.9		¶13398634
CSEM	X	30 11 35 33.1–.28	38.45N	22.45E	30	1.7L		
ISCJB	X	30 11 35 36.8–.74	38.12N–.05	22.57E–.06	25–7	1.7L		
THE	X	30 11 35 38.2	38.12N	22.59E	2–18	1.7L		

ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=7.8km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=8.0km az=1.7.
THE Event type ke. Error ellipse: s-maj=18.5km s-min=0.5km az=284.0.

THE	**X**	**30 11 35 40.1**	**38.83N**	**23.15E**	**2–15**	**1.5L**		
CSEM	X	30 11 35 40.1	38.83N	23.15E	2	1.5L		¶15028042

THE Event type ke. Error ellipse: s-maj=15.9km s-min=0.3km az=192.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.

ISC	**X**	**31 05 29 33.8–.60**	**38.33N–.03**	**22.09E–.03**	**9–6**		**43**	**0-1**
CSEM	X	31 05 29 32.2–.28	38.34N	22.04E	19–0	2.9		¶13398705
ISCJB	X	31 05 29 33.4–.62	38.34N–.03	22.10E–.03	10–6	2.9		
THE	X	31 05 29 33.5	38.32N	22.10E	9–2	1.8L		
ATH	X	31 05 29 33.1	38.40N	21.99E	23–2	2.9		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=6.8km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.3km az=146.7.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=269.0.
ATH Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0.

ISC	**X**	**31 07 12 24.6–.88**	**38.45N–.03**	**21.98E–.05**	**14–7**		**32**	**0-1**
ATH	X	31 07 12 21.5	38.45N	21.97E	57–8	2.7		¶13398711
ISCJB	X	31 07 12 24.5–.61	38.45N–.03	21.98E–.05	14–5	2.7		
CSEM	X	31 07 12 24.2–.25	38.45N	22.00E	10	1.7L		
THE	X	31 07 12 25.2	38.44N	21.97E	10–2	1.7L		

ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.1km az=27.2.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.1km az=95.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=232.0.

ISC	**X**	**31 13 48 44.2–.50**	**38.11N–.02**	**20.19E–.02**	**1–2**	**3.9b**	**394**	**0-46**
ISCJB	X	31 13 48 43.0–.47	38.12N–.02	20.15E–.02	4–2	3.9b		¶13398739
ATH	X	31 13 48 43.2	38.07N	20.20E	6–0	3.6L		
IDC	X	31 13 48 43.0–1.1	38.12N	20.33E	0	4.0b,4.0		
PDG	X	31 13 48 44.7–.41	38.13N	20.21E	11–1	4.0L,4.0		
CSEM	X	31 13 48 44.4–.14	38.12N	20.18E	2	3.6L,4.0		
THE	X	31 13 48 45.9	38.12N	20.32E	0–1	3.6L,4.0		
NEIC	X	31 13 48 45.9	38.12N	20.32E	0	4.0L,3.7b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=43.1.
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=17.1km az=152.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.6km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.0km az=42.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=231.0.
NEIC Event type se. After THE.

ISC	**XI**	**02 21 55 13.8–.64**	**38.82N–.04**	**23.61E–.05**	**14–6**		**40**	**0-2**
ISCJB	XI	02 21 55 13.9–.58	38.86N–.03	23.59E–.05	21–6			¶13399047
CSEM	XI	02 21 55 13.8–.15	38.82N	23.59E	12	1.8L		
THE	XI	02 21 55 13.6	38.81N	23.61E	14–1	1.8L		
ATH	XI	02 21 55 14.1	38.84N	23.57E	17–3	2.7,2.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.3km az=12.1.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=96.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.3km az=140.0.
ATH Error ellipse: s-maj=1.5km s-min=2.5km az=-1.0.

ISC	**XI**	**03 05 02 03.3–.43**	**38.30N–.03**	**22.36E–.03**	**17–3**		**59**	**0-1**
CSEM	XI	03 05 02 02.5–.23	38.26N	22.35E	30	1.7L		¶13399072
ISCJB	XI	03 05 02 03.2–.42	38.28N–.03	22.36E–.03	20–4	1.7L		
ATH	XI	03 05 02 03.5	38.27N	22.33E	20–4	2.7		
THE	XI	03 05 02 03.7	38.30N	22.37E	11–2	1.7L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.1km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=139.8.
ATH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=265.0.

ISC	**XI**	**03 11 30 17.5–.35**	**38.19N–.02**	**20.75E–.02**	**8–2**	**4.1b**	**323**	**0-77**
MOS	XI	03 11 30 14.5–1.7	37.92N	20.65E	17	4.3b		¶13399095
IDC	XI	03 11 30 16.4–1.1	38.32N	20.90E	0	3.9b,3.9		
PDG	XI	03 11 30 17.0–.44	38.14N	20.56E	18–1	4.0L,3.9		
ATH	XI	03 11 30 17.5	38.13N	20.70E	11–4	3.8L,3.9		
THE	XI	03 11 30 17.4	38.18N	20.79E	0–1	3.9L,3.9		
ISCJB	XI	03 11 30 17.4–.40	38.22N–.02	20.70E–.02	15–3	4.1b,3.9		
CSEM	XI	03 11 30 17.4–.16	38.17N	20.73E	10	4.3b,3.9		
BEO	XI	03 11 30 18.0–.97	38.27N	20.51E	0–0	3.8L,3.9		
NEIC	XI	03 11 30 19.2	38.13N	20.73E	5	3.9L,3.9		
TIR	XI	03 11 30 42.6–6.1	40.18N	19.46E	17–0	3.6L,3.9		

ISC Event type ke.
MOS Error ellipse: s-maj=13.2km s-min=6.9km az=75.5.
IDC Error ellipse: s-maj=20.9km s-min=17.7km az=164.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.8km az=0.0.
ATH Error ellipse: s-maj=4.0km s-min=4.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=201.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=33.5.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=36.0.
NEIC Event type se. After ATH.
TIR Error ellipse: s-maj=30.8km s-min=61.3km az=-1.0.

ISC	**XI**	**03 14 49 12.7–.57**	**38.79N–.03**	**23.62E–.05**	**11–5**		**48**	**0-2**
ISCJB	XI	03 14 49 12.2–.70	38.78N–.04	23.63E–.05	8–6			¶13399106
CSEM	XI	03 14 49 12.6–.20	38.80N	23.62E	14–0	1.8L		
THE	XI	03 14 49 12.3	38.76N	23.64E	7–1	1.8L		
ATH	XI	03 14 49 12.8	38.83N	23.55E	23–1	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.5km az=43.8.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.6km az=110.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=189.0.
ATH Error ellipse: s-maj=0.8km s-min=1.3km az=-1.0.

THE	**XI**	**03 19 52 58.5**	**38.82N**	**23.54E**	**10–0**	**1.6L**		
CSEM	XI	03 19 52 58.5	38.82N	23.54E	10	1.6L		¶13567205

THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=221.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.

ISC	**XI**	**04 17 05 14.8–.54**	**38.27N–.02**	**20.21E–.02**	**4–3**	**4.1b**	**462**	**0-122**
ISCJB	XI	04 17 05 13.8–.59	38.24N–.02	20.06E–.03	16–4	4.1b		¶13399221
ATH	XI	04 17 05 13.8	38.21N	20.13E	15–1	3.9L		
IDC	XI	04 17 05 13.7–.74	38.38N	20.44E	0	4.2b,4.1		
SKO	XI	04 17 05 15.6	38.18N	20.16E	20	4.2b,4.1		
CSEM	XI	04 17 05 15.5–.23	38.29N	20.25E	10	4.1b,4.1		
PDG	XI	04 17 05 15.4–.09	38.30N	19.56E	11–11	4.0L,4.1		
THE	XI	04 17 05 15.1	38.23N	20.22E	0–2	3.9L,4.1		
MOS	XI	04 17 05 17.9–1.2	38.49N	20.42E	38	4.2b,4.1		
NEIC	XI	04 17 05 19.3–.85	38.43N	20.41E	39–8	4.1b,4.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.3km az=38.4.
ATH Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.
IDC Error ellipse: s-maj=15.2km s-min=14.9km az=85.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.1km az=36.0.
PDG Event type ke. Error ellipse: s-maj=54.8km s-min=4.2km az=90.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.2km az=236.0.
MOS Error ellipse: s-maj=9.9km s-min=5.8km az=74.5.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.3km az=164.0.

ISC	**XI**	**06 01 53 49.1–.27**	**38.16N–.01**	**22.54E–.02**	**11–2**	**3.6b**	**198**	**0-45**
IDC	XI	06 01 53 47.0–1.7	38.45N	22.16E	0	3.6b,3.6		¶12072484
ISCJB	XI	06 01 53 48.8–.36	38.17N–.01	22.53E–.02	12–3	3.6b,3.6		
CSEM	XI	06 01 53 48.9–.11	38.16N	22.54E	9–0	3.3L,3.6		
ATH	XI	06 01 53 48.5	38.16N	22.52E	20–1	3.2L,3.6		
THE	XI	06 01 53 48.9	38.17N	22.55E	5–0	3.3L,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=109.5km s-min=24.4km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=161.3.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=57.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=280.0.

ATH	**XI**	**06 02 15 15.7**	**38.17N**	**20.40E**	**15–1**	**2.5**		
CSEM	XI	06 02 15 15.2–1.2	38.33N	20.37E	2	2.5		¶13399386
THE	XI	06 02 15 15.4	38.34N	20.44E	9–3	2.5		

ATH Error ellipse: s-maj=2.2km s-min=5.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=29.5km s-min=5.8km az=78.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.4km az=111.0.

THE	**XI**	**06 02 17 55.4**	**38.82N**	**22.13E**	**16–2**	**1.2L**		
CSEM	XI	06 02 17 55.4	38.82N	22.13E	16	1.2L		¶13567250

THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.4km az=340.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.

ISC	**XI**	**06 13 06 16.0–.33**	**40.25N–.02**	**21.04E–.03**	**9–3**		**109**	**0-4**
ATH	XI	06 13 06 14.0	40.32N	21.00E	17–2	3.3		¶12072534
TIR	XI	06 13 06 15.9–1.0	40.28N	20.87E	0–6	3.0L		
CSEM	XI	06 13 06 15.3–.17	40.24N	21.06E	2	3.1L		
ISCJB	XI	06 13 06 15.6–.32	40.26N–.02	21.03E–.03	12–3	3.1L		
SKO	XI	06 13 06 16.5	40.27N	21.14E	26	3.1L		
THE	XI	06 13 06 16.2	40.23N	21.07E	3–2	3.1L		

ISC Event type ke.
ATH Error ellipse: s-maj=2.7km s-min=2.1km az=-1.0.
TIR Error ellipse: s-maj=4.9km s-min=13.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=31.4.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=330.0.

ISC	**XI**	**06 15 57 05.2–.53**	**39.02N–.03**	**21.65E–.04**	**15–3**		**64**	**0-3**
CSEM	XI	06 15 57 04.9–.23	39.01N	21.65E	12	2.2L		¶13399431
ATH	XI	06 15 57 04.3	39.01N	21.60E	17–2	3.1		
ISCJB	XI	06 15 57 05.4–.52	39.03N–.03	21.68E–.04	19–5	3.1		
THE	XI	06 15 57 05.4	39.03N	21.66E	6–2	2.2L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=124.0.
ATH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=30.2.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=170.0.

SKO	**XI**	**07 18 47 36.9**	**40.49N**	**21.39E**	**8**			¶14011355
ISC	**XI**	**08 06 57 46.3–.59**	**38.11N–.05**	**21.38E–.03**	**14–5**		**51**	**0-1**
ISCJB	XI	08 06 57 45.9–.53	38.10N–.05	21.37E–.03	14–4			¶13399554
CSEM	XI	08 06 57 45.9–.19	38.12N	21.38E	11–1	2.7		
THE	XI	08 06 57 45.8	38.05N	21.39E	10–3	1.9L		
ATH	XI	08 06 57 46.4	38.13N	21.37E	13–3	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.3km az=177.8.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=178.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.9km az=39.0.
ATH Error ellipse: s-maj=1.7km s-min=1.0km az=-1.0.

ISC	**XI**	**08 07 12 44.0–.47**	**38.10N–.03**	**21.36E–.03**	**10–5**		**64**	**0-2**
ISCJB	XI	08 07 12 43.5–.47	38.10N–.03	21.36E–.03	5–5			¶13399559
CSEM	XI	08 07 12 43.5–.26	38.11N	21.35E	14–1	3.2		
ATH	XI	08 07 12 43.9	38.12N	21.34E	13–4	3.2		
THE	XI	08 07 12 44.0	38.09N	21.39E	6–6	2.3L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=168.6.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=161.0.
ATH Error ellipse: s-maj=1.5km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=6.3km s-min=1.2km az=18.0.

ISC	**XI**	**08 07 56 24.8–.63**	**38.57N–.03**	**21.61E–.03**	**18–9**		**61**	**0-2**
ISCJB	XI	08 07 56 24.6–.52	38.57N–.02	21.60E–.03	9–15			¶13399561
CSEM	XI	08 07 56 24.6–.19	38.58N	21.60E	10	2.1L		
THE	XI	08 07 56 24.7	38.55N	21.59E	15–1	2.1L		
ATH	XI	08 07 56 25.1	38.57N	21.59E	7	3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=19.3.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=178.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=61.0.
ATH Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0.

ISC	**XI**	**08 08 11 59.0–.85**	**38.06N–.06**	**21.39E–.04**	**14–6**		**45**	**0-1**
ISCJB	XI	08 08 11 58.9–.85	38.03N–.06	21.39E–.04	17–7			¶13399563
CSEM	XI	08 08 11 58.4–.27	38.06N	21.39E	18–1	2.8		
THE	XI	08 08 11 58.9	38.07N	21.39E	5–15	2.0L		
ATH	XI	08 08 11 58.7	38.07N	21.38E	18–2	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.1km az=169.7.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.1km az=172.0.
THE Event type ke. Error ellipse: s-maj=15.9km s-min=0.9km az=54.0.
ATH Error ellipse: s-maj=2.3km s-min=1.0km az=-1.0.

THE	**XI**	**08 10 14 42.5**	**38.40N**	**21.91E**	**0–2**	**2.0L**		
CSEM	XI	08 10 14 42.0–.21	38.41N	21.88E	15	2.0L		¶13399571
ATH	XI	08 10 14 42.7	38.39N	21.89E	5–2	3.0		

THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=320.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=129.0.
ATH Error ellipse: s-maj=1.2km s-min=1.5km az=-1.0.

ISC XI 09 12 51 54.3–.37 38.70N–.01 20.22E–.02 7–2 4.3b,3.6s 705 0-122
ISCJB XI 09 12 51 53.0–.36 38.72N–.01 20.17E–.01 9–2 4.3b,3.6s **¶13399652**
LDG XI 09 12 51 52.0–.17 38.88N 20.44E 10–0 4.8b,3.3s
ATH XI 09 12 51 53.2 38.67N 20.20E 19–0 4.4L,3.3s
NEIC XI 09 12 51 53.2 38.67N 20.20E 19 4.4b,4.4L
CSEM XI 09 12 51 54.7–.10 38.71N 20.23E 10 4.3b,3.7s
MOS XI 09 12 51 55.7–1.4 38.76N 20.19E 33 4.4b,3.7s
THE XI 09 12 51 55.2 38.74N 20.35E 0–1 4.3L,3.7s
PDG XI 09 12 51 55.1–.93 38.75N 20.25E 14–2 4.3L,4.2
IDC XI 09 12 51 57.9–1.8 38.71N 20.38E 41–16 4.0,4.0
SKO XI 09 12 51 58.9 38.77N 20.77E 9 4.4L,3.7
VIE XI 09 12 52 00.3–.77 39.18N 20.00E 10–0 4.0s,3.6b
HLW XI 09 12 52 05.9 37.85N 20.91E 30–25 4.1L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=38.6.
LDG Event type ke. Error ellipse: s-maj=8.3km s-min=4.3km az=26.0.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=38.0.
MOS Error ellipse: s-maj=6.7km s-min=3.9km az=99.3.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=255.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=90.0.
IDC Error ellipse: s-maj=17.0km s-min=11.0km az=156.0.
VIE Error ellipse: s-maj=11.3km s-min=4.7km az=43.0. 183 km NW of Patras .
ISC XI 09 13 19 50.9–.71 38.74N–.03 20.17E–.05 0–4 89 0-8
ISCJB XI 09 13 19 50.3–.67 38.69N–.03 20.05E–.05 10 **¶13399654**
ATH XI 09 13 19 50.2 38.75N 20.14E 9–1 3.3
CSEM XI 09 13 19 51.1–.39 38.71N 20.20E 0–2 2.4L
THE XI 09 13 19 53.2 38.72N 20.38E 0–2 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.4km az=156.8.
ATH Error ellipse: s-maj=1.3km s-min=2.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.1km az=66.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=256.0.
ISC XI 09 13 25 57.4–.74 38.67N–.03 20.20E–.06 9–4 67 0-7
ISCJB XI 09 13 25 56.3–.81 38.65N–.03 20.14E–.07 8–5 **¶13399655**
CSEM XI 09 13 25 56.5–.32 38.66N 20.14E 8 2.5L
ATH XI 09 13 25 56.2 38.54N 20.04E 30–4 3.3
THE XI 09 13 25 58.4 38.69N 20.33E 0–2 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.2km az=157.1.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=3.8km az=60.0.
ATH Error ellipse: s-maj=7.0km s-min=9.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.7km az=253.0.
ISC XI 09 14 16 04.8–.46 38.71N–.02 20.17E–.02 11–3 4.0b 406 0-122
IDC XI 09 14 16 02.3–.72 38.79N 20.41E 0 4.0,4.0b **¶13399659**
SKO XI 09 14 16 03.4 38.23N 20.22E 66 4.1L,3.2
ATH XI 09 14 16 04.0 38.68N 20.22E 20–1 3.7L,3.2
CSEM XI 09 14 16 04.7–.12 38.72N 20.20E 10 4.0b,3.8s
PDG XI 09 14 16 05.6–.89 38.80N 20.25E 15–2 3.9L,3.8s
MOS XI 09 14 16 05.2–1.5 38.69N 20.19E 33 4.2b,3.8s
THE XI 09 14 16 05.3 38.71N 20.31E 0–1 3.8L,3.8s
NEIC XI 09 14 16 08.6–1.1 38.82N 20.26E 47–10 4.1b,3.8s
VIE XI 09 14 16 10.1–.71 39.31N 20.37E 10–0 3.8s,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=15.9km s-min=14.5km az=80.0.
ATH Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=41.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.3km az=90.0.
MOS Error ellipse: s-maj=10.5km s-min=6.4km az=101.2.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=251.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.5km az=165.0.
VIE Error ellipse: s-maj=16.4km s-min=5.1km az=59.0. 168 km NW of Patras .
ISC XI 09 23 07 51.7–.68 38.66N–.03 20.14E–.05 3–4 89 0-7
ISCJB XI 09 23 07 50.7–.70 38.65N–.03 20.04E–.05 10 **¶13399699**
CSEM XI 09 23 07 51.5–.36 38.68N 20.15E 2 2.4L
ATH XI 09 23 07 52.8 38.69N 20.24E 11–2 3.1
THE XI 09 23 07 53.1 38.68N 20.28E 0–2 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.2km az=153.5.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.2km az=64.0.
ATH Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.7km az=257.0.
ISC XI 10 00 30 24.3–.69 40.78N–.05 22.42E–.05 23–10 24 1-1
ATH XI 10 00 30 21.3 40.85N 22.30E 27–5 3.1 **¶13399704**
SKO XI 10 00 30 22.6 40.73N 22.47E 15 1.5L,1.0
CSEM XI 10 00 30 23.4–.33 40.79N 22.44E 20 1.5L,1.0
ISCJB XI 10 00 30 24.3–.70 40.79N–.06 22.42E–.05 26–9 1.5L,1.0
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XI 12 14 30 45.0–.87 38.67N–.03 20.06E–.06 5–4 84 0-7
ATH XI 12 14 30 43.7 38.67N 20.00E 19–1 3.3 **¶13399912**
ISCJB XI 12 14 30 44.0–.91 38.67N–.03 20.03E–.07 3–5 3.3
CSEM XI 12 14 30 45.7–.37 38.64N 20.00E 20 2.9L
THE XI 12 14 30 47.2 38.71N 20.31E 0–3 2.9L
SKO XI 12 14 30 54.2 39.12N 20.45E 0 2.9L
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=3.9km az=162.3.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=4.3km az=63.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=259.0.
ISC XI 13 02 38 10.2–1.2 38.33N–.04 22.30E–.05 18–12 36 0-1
CSEM XI 13 02 38 10.1–.16 38.34N 22.29E 15 1.4L **¶13399970**
THE XI 13 02 38 10.7 38.34N 22.30E 13–3 1.4L
ATH XI 13 02 38 10.4 38.34N 22.30E 14–5 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=42.0.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.7km az=133.0.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
ISC XI 13 06 44 06.5–.52 39.35N–.04 22.82E–.04 29–5 40 0-1
ATH XI 13 06 44 05.9 39.37N 22.84E 25–3 3.0 **¶13399999**
ISCJB XI 13 06 44 06.4–.52 39.34N–.04 22.81E–.04 29–5 3.0
CSEM XI 13 06 44 06.4–.22 39.35N 22.81E 27–2 3.0
THE XI 13 06 44 06.8 39.38N 22.83E 16–1 2.0L
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.3km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.9km az=175.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=199.0.
ATH XI 13 10 03 07.1 38.28N 22.16E 24–5 2.7
CSEM XI 13 10 03 06.7–.25 38.27N 22.15E 25–2 2.7 **¶13400019**
THE XI 13 10 03 08.1 38.27N 22.17E 14–2 1.4L
ATH Error ellipse: s-maj=2.0km s-min=2.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=5.3km az=62.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.4km az=254.0.
ISC XI 13 10 44 08.1–.53 38.58N–.04 22.12E–.07 23–6 34 0-1
CSEM XI 13 10 44 07.8–.14 38.57N 22.12E 20 1.8L **¶13400024**
ISCJB XI 13 10 44 08.1–.54 38.58N–.04 22.11E–.07 23–6 1.8L
THE XI 13 10 44 08.2 38.59N 22.13E 20–4 1.8L
ATH XI 13 10 44 08.5 38.60N 22.10E 19–3 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.9km az=0.9.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=0.5km az=185.0.
ATH Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
ISC XI 13 11 57 37.1–.98 38.68N–.04 21.64E–.08 25–7 28 0-1
ATH XI 13 11 57 36.8 38.77N 21.56E 28–4 2.7 **¶13400032**
ISCJB XI 13 11 57 37.1–.97 38.68N–.04 21.64E–.08 26–7 2.7
CSEM XI 13 11 57 37.0–.30 38.68N 21.70E 30 1.6L
THE XI 13 11 57 37.5 38.67N 21.65E 16–3 1.6L

ISC Event type ke.
ATH Error ellipse: s-maj=7.7km s-min=4.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.4km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=5.9km az=101.0.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.6km az=78.0.
ISC XI 14 05 42 38.5–.42 38.84N–.02 23.61E–.03 6–3 108 0-3
ISCJB XI 14 05 42 37.8–.43 38.83N–.02 23.61E–.03 2–3 **¶13400122**
CSEM XI 14 05 42 38.2–.14 38.82N 23.62E 10–0 3.0L
THE XI 14 05 42 38.3 38.83N 23.60E 3–1 3.0L
ATH XI 14 05 42 38.1 38.84N 23.60E 22–1 3.6L
SKO XI 14 05 42 46.0 39.58N 24.12E 11 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=7.1.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=102.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=11.0.
ATH Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
ISC XI 15 09 09 32.9–.95 40.39N–.05 21.8E–.10 16–7 16 0-1
ISCJB XI 15 09 09 32.7–.99 40.42N–.05 21.8E–.10 14–7 **¶13400233**
CSEM XI 15 09 09 32.8–.20 40.38N 21.81E 15 2.9
ATH XI 15 09 09 33.5 40.37N 21.84E 10–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.2km s-min=7.9km az=1.2.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=83.0.
ATH Error ellipse: s-maj=0.5km s-min=0.9km az=-1.0.
ISC XI 16 04 23 33.0–.30 38.24N–.02 22.20E–.02 8–3 3.6b 140 0-82
CSEM XI 16 04 23 32.5–.12 38.24N 22.22E 5 3.1L **¶12073703**
ISCJB XI 16 04 23 32.4–.29 38.23N–.02 22.20E–.02 8–3 3.6b
THE XI 16 04 23 32.7 38.24N 22.21E 0–3 3.1L
IDC XI 16 04 23 32.2–1.4 38.00N 22.48E 0 3.6,3.5
ATH XI 16 04 23 32.2 38.24N 22.17E 21–1 2.9L,3.5
NEIC XI 16 04 23 37.5–1.0 38.07N 22.29E 35 2.9L,3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=41.6.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=210.0.
IDC Error ellipse: s-maj=35.3km s-min=21.3km az=137.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=14.4km az=156.0.
ISC XI 16 05 08 12.6–.24 38.27N–.02 22.20E–.03 54–3 3.6b 247 0-44
IDC XI 16 05 08 05.5–1.3 38.16N 22.15E 0 3.6,3.5b **¶12073705**
ATH XI 16 05 08 11.8 38.24N 22.22E 51–2 3.1L,3.5b
ISCJB XI 16 05 08 11.8–.25 38.26N–.02 22.20E–.03 60–3 3.6b,3.5b
CSEM XI 16 05 08 12.6–.12 38.24N 22.19E 50–2 3.3L,3.5b
THE XI 16 05 08 13.0 38.26N 22.24E 48–2 3.3L,3.5b
NEIC XI 16 05 08 13.0 38.26N 22.24E 48 3.3,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=19.8km az=135.0.
ATH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=143.7.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=50.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=249.0.
NEIC Event type se. After THE.
ISC XI 16 23 01 05.7–.41 38.03N–.02 21.44E–.02 1–2 3.9b 299 0-45
ISCJB XI 16 23 01 04.3–.44 38.02N–.02 21.40E–.02 1–3 3.9b **¶12073797**
IDC XI 16 23 01 04.3–.89 38.11N 21.54E 0 3.9b,3.8
CSEM XI 16 23 01 05.9–.15 38.02N 21.49E 2 3.9L,3.8
NEIC XI 16 23 01 06.1 38.04N 21.54E 16 4.1b,3.8
ATH XI 16 23 01 06.1 38.04N 21.54E 16–2 3.9L,3.8
THE XI 16 23 01 07.3 38.04N 21.57E 0–1 3.7L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=140.2.
IDC Error ellipse: s-maj=18.5km s-min=16.2km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=47.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=259.0.
ISC XI 17 02 31 09.8–.34 40.77N–.02 23.72E–.03 7–4 105 0-4
SOF XI 17 02 31 08.6 40.74N 23.66E 4 2.7 **¶13400386**
ATH XI 17 02 31 08.7 40.78N 23.70E 21–2 3.6
SKO XI 17 02 31 09.6 40.78N 23.81E 13 2.3L,2.0
ISCJB XI 17 02 31 09.2–.35 40.76N–.02 23.71E–.02 5–4 2.3L,2.0
CSEM XI 17 02 31 09.5–.11 40.76N 23.71E 5 3.6,2.0
THE XI 17 02 31 09.8 40.76N 23.69E 8–0 2.4L,2.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=2.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=161.8.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=82.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=289.0.
ISC XI 17 09 09 00.7–.83 38.43N–.03 21.91E–.05 15–6 39 0-1
ISCJB XI 17 09 09 00.6–.70 38.44N–.03 21.92E–.05 13–4 **¶13400415**
CSEM XI 17 09 09 00.3–.22 38.41N 21.92E 19–0 2.9
ATH XI 17 09 09 00.3 38.42N 21.90E 17–2 2.9
THE XI 17 09 09 01.7 38.44N 21.96E 9–1 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.1km az=160.2.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=64.0.
ATH Error ellipse: s-maj=1.4km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=238.0.
ISC XI 20 07 10 38.6–.48 39.57N–.02 21.66E–.04 6–6 59 0-2
ISCJB XI 20 07 10 38.4–.45 39.59N–.02 21.67E–.03 10 **¶13400665**
CSEM XI 20 07 10 38.2–.18 39.57N 21.67E 7–0 3.1
THE XI 20 07 10 38.0 39.55N 21.64E 2–16 2.1L
ATH XI 20 07 10 38.6 39.56N 21.68E 12–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=173.8.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=90.0.
THE Event type ke. Error ellipse: s-maj=16.4km s-min=0.3km az=0.0.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
ISC XI 20 17 16 33.4–2.0 38.16N–.08 20.4E–.10 23–5 29 0-2
CSEM XI 20 17 16 33.6–.84 38.16N 20.46E 20 2.9 **¶13400699**
ATH XI 20 17 16 34.0 38.13N 20.64E 19–2 2.9
THE XI 20 17 16 35.0 38.24N 20.43E 10–2 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.4km s-min=11.7km az=65.0.
ATH Error ellipse: s-maj=4.6km s-min=2.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.5km az=88.0.
ISC XI 24 11 52 00.3–.45 38.81N–.02 23.51E–.03 8–4 85 0-2
ISCJB XI 24 11 51 59.7–.45 38.81N–.02 23.52E–.03 5–4 **¶13401010**
ATH XI 24 11 51 59.8 38.81N 23.50E 23–1 3.0,3.0L
CSEM XI 24 11 52 00.1–.13 38.80N 23.52E 10–0 2.6L,3.0L
THE XI 24 11 52 00.4 38.80N 23.51E 5–1 2.6L,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=168.5.
ATH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=103.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=333.0.
ISC XI 24 12 29 27.2–.36 38.98N–.02 23.37E–.03 12–3 119 0-3
ISCJB XI 24 12 29 26.6–.37 38.98N–.02 23.38E–.03 9–3 **¶13401015**
CSEM XI 24 12 29 26.9–.11 38.98N 23.36E 12 3.1
ATH XI 24 12 29 26.5 39.00N 23.37E 25–0 3.1,2.8L
THE XI 24 12 29 27.3 38.98N 23.35E 10–0 2.7L,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=5.6.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=98.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=99.0.
ISC XI 24 13 34 49.9–.43 38.98N–.02 23.37E–.03 14–3 71 0-3
ISCJB XI 24 13 34 49.4–.43 38.97N–.02 23.37E–.03 12–3 **¶13401019**
CSEM XI 24 13 34 49.8–.13 38.99N 23.35E 15 3.0
ATH XI 24 13 34 49.3 38.99N 23.36E 25–0 3.0,2.6L
THE XI 24 13 34 50.1 38.98N 23.35E 12–0 2.5L,2.6L

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=173.1.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=95.0.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=292.0.

ISC	**XI**	**24 22 52 07.5–.36**	**38.98N–.02**	**23.37E–.02**	**9–3**	**3.6b**	**269**	**0-43**	
ATH	XI	24 22 52 06.7	38.99N	23.37E	23–1	4.0L			¶12074738
IDC	XI	24 22 52 06.2–1.2	38.98N	23.28E	0	3.7b,3.7			
ISCJB	XI	24 22 52 06.6–.39	39.00N–.02	23.39E–.02	8–3	3.6b,3.7			
NEIC	XI	24 22 52 06.7	38.99N	23.37E	23	3.5L,3.7			
CSEM	XI	24 22 52 07.4–.09	38.98N	23.37E	9–0	4.0L,3.7			
THE	XI	24 22 52 07.4	38.97N	23.37E	7–0	3.5L,3.7			

ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=25.5km s-min=16.4km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=166.4.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=146.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=194.0.

ISC	**XI**	**25 15 22 48.6–.58**	**38.82N–.03**	**23.57E–.04**	**12–10**		**42**	**0-1**	
ISCJB	XI	25 15 22 48.2–.54	38.81N–.02	23.58E–.04	2–11				¶13401087
THE	XI	25 15 22 48.6	38.81N	23.57E	6–15	2.4L			
CSEM	XI	25 15 22 48.4–.07	38.81N	23.57E	8	2.8L			
ATH	XI	25 15 22 48.9	38.81N	23.51E	11–7	2.8L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=167.7.
THE Event type ke. Error ellipse: s-maj=15.7km s-min=0.5km az=316.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=86.0.
ATH Error ellipse: s-maj=0.5km s-min=1.0km az=-1.0.

ISC	**XI**	**26 01 19 15.9–.41**	**38.13N–.03**	**21.63E–.03**	**20–5**		**57**	**0-1**	
ATH	XI	26 01 19 14.8	38.15N	21.60E	25–0	2.9			¶13401128
ISCJB	XI	26 01 19 15.8–.40	38.11N–.03	21.64E–.04	21–5	2.9			
CSEM	XI	26 01 19 15.5–.21	38.14N	21.62E	20	2.9			
THE	XI	26 01 19 15.7	38.12N	21.59E	9–3	2.1L			

ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=152.9.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=117.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.7km az=89.0.

ISC	**XI**	**26 13 04 05.2–.57**	**38.32N–.03**	**21.86E–.03**	**18–4**		**51**	**0-1**	
ATH	XI	26 13 04 03.9	38.30N	21.78E	30–0	2.7			¶13401163
CSEM	XI	26 13 04 04.9–.27	38.30N	21.86E	19–0	2.7			
ISCJB	XI	26 13 04 05.4–.52	38.30N–.03	21.85E–.04	19–5	2.7			
THE	XI	26 13 04 06.4	38.35N	21.93E	12–1	2.1L			

ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=6.1km az=163.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.7km az=153.9.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=122.0.

ISC	**XI**	**27 03 26 11.7–.44**	**40.81N–.03**	**22.42E–.03**	**13–4**		**62**	**0-3**	
ATH	XI	27 03 26 09.5	40.91N	22.34E	17–1	3.0			¶13401228
ISCJB	XI	27 03 26 11.1–.43	40.81N–.03	22.42E–.03	11–4	3.0			
THE	XI	27 03 26 11.6	40.80N	22.43E	14–1	2.0L			
CSEM	XI	27 03 26 11.6–.30	40.82N	22.44E	19–0	2.0L			

ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=158.8.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=289.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.4km az=137.0.

ISC	**XI**	**27 06 02 37.4–.70**	**38.67N–.03**	**20.15E–.05**	**5–4**		**89**	**0-7**	
ISCJB	XI	27 06 02 37.2–.77	38.63N–.03	20.05E–.05	16–6				¶13401242
CSEM	XI	27 06 02 37.2–.26	38.69N	20.15E	2	2.7L			
ATH	XI	27 06 02 37.3	38.65N	20.18E	16–1	3.5			
THE	XI	27 06 02 38.6	38.69N	20.27E	0–2	2.7L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.3km az=157.4.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.2km az=69.0.
ATH Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=251.0.

ISC	**XI**	**27 17 04 34.9–.56**	**38.11N–.03**	**21.33E–.03**	**7–6**		**69**	**0-2**	
ISCJB	XI	27 17 04 34.2–.51	38.12N–.03	21.33E–.03	10				¶13401296
CSEM	XI	27 17 04 34.6–.30	38.10N	21.36E	20	3.1			
THE	XI	27 17 04 34.2	38.06N	21.38E	20–2	2.5L			
ATH	XI	27 17 04 34.8	38.13N	21.30E	5–3	3.1			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=172.6.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.2km az=170.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=359.0.
ATH Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.

ISC	**XI**	**27 19 08 51.4–.79**	**38.25N–.03**	**20.45E–.05**	**6–4**		**93**	**0-8**	
CSEM	XI	27 19 08 50.5–.44	38.23N	20.44E	2	2.8L			¶13401310
ISCJB	XI	27 19 08 51.5–.75	38.29N–.03	20.51E–.05	0–4	2.8L			
ATH	XI	27 19 08 51.2	38.24N	20.42E	6–1	3.4			
THE	XI	27 19 08 52.3	38.28N	20.58E	0–1	2.8L			

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=4.7km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.3km az=152.9.
ATH Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=316.0.

ISC	**XI**	**28 10 07 18.8–.44**	**38.84N–.02**	**23.62E–.04**	**11–4**		**74**	**0-2**	
ISCJB	XI	28 10 07 18.3–.45	38.84N–.02	23.62E–.04	9–4				¶13401362
CSEM	XI	28 10 07 18.4–.16	38.83N	23.63E	10–0	2.4L			
ATH	XI	28 10 07 18.2	38.85N	23.60E	23–1	2.8L			
THE	XI	28 10 07 19.0	38.85N	23.60E	7–1	2.4L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=165.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=73.0.
ATH Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=59.0.

ISC	**XI**	**29 06 43 18.2–.28**	**38.83N–.01**	**23.57E–.02**	**8–2**		**248**	**0-9**	
ISCJB	XI	29 06 43 17.3–.29	38.85N–.01	23.59E–.02	6–2				¶13401455
ATH	XI	29 06 43 17.6	38.86N	23.60E	22–1	4.2L			
CSEM	XI	29 06 43 18.2–.09	38.83N	23.56E	10–0	3.8L			
THE	XI	29 06 43 18.3	38.83N	23.55E	8–1	3.8L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=29.7.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=117.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=194.0.

ISC	**XII**	**01 03 23 58.2–.46**	**38.72N–.03**	**23.37E–.04**	**17–4**		**37**	**0-2**	
ISCJB	XII	01 03 23 58.2–.46	38.73N–.03	23.37E–.04	18–5				¶13401604
CSEM	XII	01 03 23 58.4	38.74N	23.33E	25	3.1			
ATH	XII	01 03 23 58.7	38.73N	23.34E	20–2	3.1			
THE	XII	01 03 23 58.8	38.74N	23.36E	8–2	1.8L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=41.3.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=0.6km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.3km az=144.0.

ISC	**XII**	**01 12 19 01.4–.53**	**40.42N–.03**	**21.87E–.04**	**4–11**		**36**	**0-1**	
ATH	XII	01 12 18 51.7	40.80N	21.34E	5	3.5			¶13401634
CSEM	XII	01 12 19 00.9–.17	40.44N	21.87E	2	2.0L			
ISCJB	XII	01 12 19 01.3–.51	40.44N–.03	21.84E–.04	10	2.0L			
THE	XII	01 12 19 01.3	40.41N	21.86E	0–2	2.0L			

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=172.1.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=9.0.

ISC	**XII**	**01 18 48 04.8–.41**	**38.83N–.03**	**23.20E–.03**	**19–3**		**50**	**0-1**	
ISCJB	XII	01 18 48 04.9–.45	38.83N–.03	23.20E–.04	13–4				¶13401662
CSEM	XII	01 18 48 04.7–.10	38.82N	23.20E	15	1.8L			
ATH	XII	01 18 48 05.2	38.83N	23.20E	10–2	3.2			
THE	XII	01 18 48 05.0	38.83N	23.19E	14–3	1.8L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=144.5.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=147.0.
ATH Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.5km az=161.0.

ISC	**XII**	**01 21 12 17.8–.56**	**38.30N–.03**	**21.93E–.04**	**13–4**		**43**	**0-1**	
CSEM	XII	01 21 12 16.4–.28	38.33N	21.90E	20	1.9L			¶13401671
ISCJB	XII	01 21 12 17.3–.46	38.32N–.03	21.91E–.04	13–2	1.9L			
ATH	XII	01 21 12 17.6	38.32N	21.82E	34–4	3.2			
THE	XII	01 21 12 18.1	38.29N	21.92E	7–2	1.9L			

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=7.2km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.7km az=146.1.
ATH Error ellipse: s-maj=0.8km s-min=2.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=261.0.

ISC	**XII**	**02 01 45 30.1–.56**	**38.07N–.06**	**21.37E–.03**	**20–3**		**49**	**0-1**	
ATH	XII	02 01 45 29.5	38.05N	21.37E	24–2	3.1			¶13401684
CSEM	XII	02 01 45 29.8–.23	38.07N	21.36E	23–2	3.1			
ISCJB	XII	02 01 45 30.0–.51	38.09N–.06	21.36E–.03	27–4	3.1			
THE	XII	02 01 45 30.5	38.12N	21.38E	15–1	2.2L			

ISC Event type ke.
ATH Error ellipse: s-maj=2.7km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=3.1km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=3.6km az=172.7.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.4km az=347.0.

ISC	**XII**	**03 07 50 36.0–.53**	**38.36N–.03**	**21.97E–.04**	**13–4**		**36**	**0-1**	
ISCJB	XII	03 07 50 36.2–.51	38.36N–.03	21.99E–.04	11–4				¶13401779
CSEM	XII	03 07 50 36.0–.12	38.35N	21.99E	10	1.6L			
ATH	XII	03 07 50 36.8	38.35N	21.98E	7–2	2.5			
THE	XII	03 07 50 36.5	38.36N	21.99E	10–1	1.6L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.8km az=156.8.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=157.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=289.0.

ISC	**XII**	**05 09 57 36.5–1.2**	**38.28N–.05**	**20.57E–.09**	**10**		**30**	**0-2**	
THE	XII	05 09 57 34.8	38.23N	20.53E	17–1				¶13401970
CSEM	XII	05 09 57 35.5–.75	38.30N	20.59E	2	3.2			
ISCJB	XII	05 09 57 36.2–1.1	38.28N–.05	20.59E–.08	10	3.2			
ATH	XII	05 09 57 36.4	38.25N	20.58E	7–2	3.2			

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=222.0.
CSEM Event type ke. Error ellipse: s-maj=18.3km s-min=12.0km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=7.4km az=178.6.
ATH Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.

ISC	**XII**	**06 03 48 15.6–.45**	**38.24N–.03**	**22.15E–.03**	**16–3**		**63**	**0-1**	
ISCJB	XII	06 03 48 15.4–.45	38.23N–.03	22.12E–.03	16–4				¶13402046
CSEM	XII	06 03 48 15.4–.19	38.23N	22.16E	11–1	1.9L			
ATH	XII	06 03 48 15.5	38.22N	22.15E	25–1	3.1			
THE	XII	06 03 48 16.1	38.25N	22.14E	9–2	1.9L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=138.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=281.0.

ISC	**XII**	**06 07 27 36.9–.50**	**38.36N–.02**	**23.26E–.04**	**10–4**		**60**	**0-1**	
ISCJB	XII	06 07 27 36.8–.51	38.36N–.02	23.25E–.04	6–4				¶13402058
CSEM	XII	06 07 27 36.9–.20	38.37N	23.24E	20	1.8L			
ATH	XII	06 07 27 37.1	38.34N	23.23E	5–1	3.0			
THE	XII	06 07 27 37.0	38.36N	23.23E	15–3	1.8L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=166.3.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=80.0.
ATH Error ellipse: s-maj=0.4km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.5km az=302.0.

ISC	**XII**	**06 21 03 58.2–.35**	**38.26N–.02**	**22.18E–.03**	**17–2**		**79**	**0-1**	
CSEM	XII	06 21 03 57.5–.20	38.25N	22.15E	20	1.6L			¶13402108
ISCJB	XII	06 21 03 58.0–.37	38.25N–.02	22.16E–.03	19–3	1.6L			
ATH	XII	06 21 03 58.5	38.25N	22.20E	17–3	3.0			
THE	XII	06 21 03 58.5	38.22N	22.18E	2–35	1.6L			

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=143.3.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=35.9km s-min=1.2km az=270.0.

ISC	**XII**	**07 02 16 52.6–.34**	**38.04N–.01**	**21.57E–.02**	**3–2**	**3.7b**	**312**	**0-45**	
ISCJB	XII	07 02 16 51.8–.44	38.04N–.02	21.55E–.02	3–3	3.7b			¶13402122
ATH	XII	07 02 16 52.8	38.06N	21.56E	18–0	3.8L			
CSEM	XII	07 02 16 52.6–.14	38.04N	21.57E	2	3.9L			
THE	XII	07 02 16 53.1	38.05N	21.65E	0–1	3.7L			
IDC	XII	07 02 16 58.9–3.1	38.20N	21.52E	65–31	3.4L,3.4b			
NEIC	XII	07 02 16 58.7–.93	38.19N	21.50E	63–9	3.4L,3.4b			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=13.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=27.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=275.0.
IDC Error ellipse: s-maj=25.7km s-min=18.8km az=146.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.4km az=181.0.

ISC	**XII**	**07 06 54 21.4–1.3**	**38.27N–.05**	**22.14E–.07**	**23–10**		**29**	**0-1**	
ISCJB	XII	07 06 54 21.3–1.3	38.27N–.05	22.14E–.07	23–9				¶13402134
CSEM	XII	07 06 54 22.7	38.24N	22.18E	10	1.2L			
THE	XII	07 06 54 22.7	38.24N	22.18E	10–4	1.2L			
ATH	XII	07 06 55 17.3	38.81N	23.10E	4	2.8			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=7.7km az=38.7.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=0.6km az=301.0.
ATH Error ellipse: s-maj=1.7km s-min=2.4km az=-1.0.

ISC	**XII**	**07 12 20 54.6–.41**	**40.06N–.02**	**21.81E–.03**	**10–4**		**69**	**0-2**	
ISCJB	XII	07 12 20 53.8–.50	40.06N–.02	21.83E–.03	2–5				¶13402145
ATH	XII	07 12 20 54.5	40.07N	21.83E	5–1	3.1			
THE	XII	07 12 20 54.3	40.05N	21.83E	2–2	2.7L			
CSEM	XII	07 12 20 54.3–.20	40.07N	21.82E	15	3.1			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=153.8.
ATH Error ellipse: s-maj=0.4km s-min=0.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.3km az=286.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=64.0.

ISC	**XII**	**08 02 55 13.2–.38**	**38.45N–.02**	**21.99E–.02**	**7–3**	**3.1b**	**106**	**0-44**	
IDC	XII	08 02 55 11.8–2.5	38.71N	21.63E	0	3.3b,3.2			¶12076287
ISCJB	XII	08 02 55 12.8–.43	38.45N–.02	21.99E–.02	8–3	3.1b,3.2			
ATH	XII	08 02 55 12.7	38.44N	22.00E	17–0	3.4,2.7L			
THE	XII	08 02 55 12.8	38.45N	21.99E	0–1	2.9L,2.7L			
CSEM	XII	08 02 55 12.8–.11	38.45N	21.97E	5	2.6L,2.7L			

ISC Event type ke.
IDC Error ellipse: s-maj=142.1km s-min=27.3km az=145.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=167.6.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=107.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=81.0.

ISC	**XII**	**08 07 48 30.5–.30**	**38.41N–.02**	**22.00E–.02**	**5–3**	**3.3b**	**115**	**0-44**	
IDC	XII	08 07 48 28.5–2.5	38.77N	21.60E	0	3.4b,3.3			¶12076319
ISCJB	XII	08 07 48 29.9–.38	38.41N–.02	22.01E–.02	2–3	3.3b,3.3			
CSEM	XII	08 07 48 30.0–.10	38.41N	22.00E	2	3.0,3.3			
ATH	XII	08 07 48 30.1	38.40N	21.97E	10–1	3.0,2.8L			
THE	XII	08 07 48 30.4	38.40N	22.01E	2–0	3.1L,2.8L			

ISC Event type ke.
IDC Error ellipse: s-maj=138.6km s-min=27.2km az=145.0.

ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=153.6.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=69.0.
ATH Error ellipse: s-maj=0.6km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=300.0.
ISC XII 10 12 29 59.9–.72 40.50N–.04 21.87E–.05 0–8 45 0-2
ATH XII 10 12 29 56.2 40.62N 21.67E 5 3.2 ¶13402394
CSEM XII 10 12 29 59.6–.31 40.46N 21.89E 2 2.2L
ISCJB XII 10 12 30 00.0–.68 40.48N–.03 21.81E–.05 10 2.2L
THE XII 10 12 30 00.9 40.44N 21.91E 0–5 2.2L
ISC Event type ke.
ATH Error ellipse: s-maj=2.5km s-min=3.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.8km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.8km az=32.9.
THE Event type ke. Error ellipse: s-maj=5.9km s-min=1.7km az=33.0.
ISC XII 10 22 27 17.7–.65 40.60N–.04 22.82E–.06 24–9 30 0-2
ISCJB XII 10 22 27 17.2–.89 40.57N–.06 22.84E–.06 24–13 ¶13402429
ATH XII 10 22 27 17.0 40.58N 22.84E 30–0 3.1
CSEM XII 10 22 27 17.3–.35 40.64N 22.78E 30 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=7.0km az=0.3.
ATH Error ellipse: s-maj=1.0km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=8.6km az=114.0.
ISC XII 11 07 43 44.4–.68 38.34N–.03 22.00E–.03 10–6 59 0-1
CSEM XII 11 07 43 43.7–.20 38.34N 21.99E 10 1.7L ¶13402470
ATH XII 11 07 43 43.7 38.37N 21.99E 16–1 2.6
ISCJB XII 11 07 43 44.1–.52 38.35N–.03 22.00E–.03 9–3 2.6
THE XII 11 07 43 45.0 38.36N 22.03E 4–2 1.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=139.0.
ATH Error ellipse: s-maj=1.0km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.4km az=27.5.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=176.0.
THE XII 13 08 27 13.3 38.71N 22.52E 13–1
CSEM XII 13 08 27 13.3 38.71N 22.52E 13 ¶15686526
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC XII 13 08 27 20.5–.19 38.711N–.01 22.578E–.01 15–1 5.0b,4.8s 1882 0-150
ROM XII 13 08 27 09.3–.09 38.48N 23.59E 10–0 4.7L,3.3 ¶13402615
PRU XII 13 08 27 10.8 38.11N 22.25E 0 5.1,3.3
SZGRF XII 13 08 27 13.8 38.05N 22.66E 10 4.8b,3.3
BJI XII 13 08 27 17.6 38.76N 22.10E 34 5.1s,5.1b
ISCJB XII 13 08 27 20.0–.17 38.753N–.01 22.556E–.01 25–1 5.0b,4.8s
NEIC XII 13 08 27 19.2 38.72N 22.57E 24 5.2L,5.1b
PDG XII 13 08 27 19.4–.57 38.74N 22.58E 12–1 5.1,4.9L
ATH XII 13 08 27 19.2 38.72N 22.57E 24–0 5.2L,4.9L
CSEM XII 13 08 27 19.9–.06 38.70N 22.58E 12 5.2W,5.0b
THE XII 13 08 27 19.9 38.71N 22.58E 8–1 5.2L,5.0b
TEH XII 13 08 27 20.0 38.76N 22.58E 10 5.2L,5.0b
MOS XII 13 08 27 20.6–1.1 38.79N 22.55E 30 5.1b,4.8s
HLW XII 13 08 27 20.9 38.71N 22.46E 11–14 4.7L,4.6
BEO XII 13 08 27 21.7–.78 38.96N 22.82E 0–0 4.7L,4.6
GCMT XII 13 08 27 22.2–.20 38.52N 22.54E 19–0 5.2W,4.6
IDC XII 13 08 27 22.2–1.4 38.78N 22.59E 35–10 4.6,4.6
BGS XII 13 08 27 24.6–1.8 38.99N 22.31E 33–0 5.1b,4.6
TIR XII 13 08 27 32.0 38.62N 22.51E 1 4.9L,4.6
ISC Event type fe.
ROM Event type ke. Error ellipse: s-maj=5.8km s-min=0.0km az=13.0.
SZGRF Greece.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=19.9.
NEIC Event type fe. Felt [II] in the Athens-Piraeus area and at Volos. Also felt at Aidhipsos, Amfiklia, Itea, Lamia, Larisa, Patrai, Portaria, Rafina, Rion and Sofhades. After ATH. Moment Tensor Solution. M_o3.30000×10^{16}
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=23.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=287.0.
MOS Error ellipse: s-maj=4.3km s-min=2.5km az=103.4.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s56,c70; s78,c130; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.61±.21 $M_{\theta\theta}$5.48±.15; $M_{\phi\phi}$-0.87±.15; $M_{r\theta}$-4.88±.39; $M_{\theta\phi}$0.20±.11; $M_{\theta r}$0.50±.39; Best double couple: NP1:ϕ_s261.00000°,δ23.00000°,λ-103.00000°. NP2:ϕ_s94.00000°,δ67.00000°,λ-85.00000°. Principal axes: T 7.4500,Plg22.0000° ,Azm180.0000°; N -0.8200,Plg5.0000°,Azm272.0000°; P -6.6300,Plg67.0000°,Azm14.0000° M_o7.00000×10^{16}
IDC Error ellipse: s-maj=10.9km s-min=10.5km az=8.0.
BGS Error ellipse: s-maj=173.1km s-min=87.7km az=-1.0.
ISC XII 13 08 28 38.9–.69 38.71N–.02 22.54E–.03 19–7 66 0-1
ATH XII 13 08 28 38.7 38.72N 22.54E 22–2 2.9 ¶13402618
ISCJB XII 13 08 28 39.0–.36 38.71N–.02 22.54E–.03 10 2.9
CSEM XII 13 08 28 39.2 38.71N 22.54E 15 4.4L
THE XII 13 08 28 39.2 38.71N 22.54E 15–0 4.4L
ISC Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=43.1.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=240.0.
ISC XII 13 08 29 50.4–.35 38.72N–.02 22.54E–.03 19–2 59 0-1
ISCJB XII 13 08 29 50.2–.38 38.71N–.02 22.54E–.03 24–4 ¶13402619
CSEM XII 13 08 29 50.7 38.72N 22.55E 15 3.7L
ATH XII 13 08 29 50.6 38.71N 22.54E 16–3 2.7
THE XII 13 08 29 50.7 38.72N 22.55E 15–0 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=40.8.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=238.0.
ISC XII 13 11 52 52.6–.22 38.72N–.01 22.55E–.02 12–1 3.8b 334 0-77
ISCJB XII 13 11 52 51.8–.23 38.74N–.01 22.54E–.02 14–1 3.8b ¶13402633
ATH XII 13 11 52 51.8 38.74N 22.57E 25–0 4.0L
THE XII 13 11 52 52.6 38.72N 22.56E 10–0 3.8L
CSEM XII 13 11 52 52.1–.09 38.71N 22.56E 10 4.1b
MOS XII 13 11 52 53.5–1.1 38.79N 22.48E 33 4.0b
NEIC XII 13 11 52 53.0 38.76N 22.66E 0 3.8L,3.8L
IDC XII 13 11 52 56.6–2.4 38.90N 22.48E 45–24 3.6,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=161.5.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=258.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=71.0.
MOS Error ellipse: s-maj=14.9km s-min=6.9km az=82.4.
NEIC Event type se. After THE.
IDC Error ellipse: s-maj=20.0km s-min=17.9km az=144.0.
ISC XII 13 15 54 40.2–.22 38.72N–.01 22.60E–.02 10–1 258 0-10
ISCJB XII 13 15 54 39.5–.23 38.73N–.01 22.59E–.02 9–2 ¶13402643
ATH XII 13 15 54 39.4 38.73N 22.59E 21–0 3.7L
CSEM XII 13 15 54 40.0–.09 38.71N 22.61E 10 3.6L
THE XII 13 15 54 40.5 38.71N 22.62E 12–31 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=175.1.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=92.0.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=0.8km az=0.0.
THE XII 14 02 47 12.8 38.70N 22.52E 16–1 1.4L
CSEM XII 14 02 47 12.8 38.70N 22.52E 16 1.4L ¶13567535
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE XII 14 02 50 22.9 38.72N 22.58E 13–1 1.2L
CSEM XII 14 02 50 22.9 38.72N 22.58E 13 1.2L ¶13567536
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=49.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE XII 14 04 48 06.5 38.70N 22.53E 16–1 1.4L
CSEM XII 14 04 48 06.5 38.70N 22.53E 16 1.4L ¶13567539
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE XII 14 04 50 04.1 38.70N 22.52E 15–1 1.0L
CSEM XII 14 04 50 04.1 38.70N 22.52E 15 1.0L ¶13567540
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC XII 14 09 57 03.7–.52 39.99N–.03 22.48E–.05 13–5 34 1-2
SKO XII 14 09 57 00.5 39.90N 22.68E 50 ¶13402709
ATH XII 14 09 57 03.2 39.99N 22.46E 26–1 3.3
ISCJB XII 14 09 57 04.3–.54 39.98N–.03 22.47E–.05 19–8 3.3
CSEM XII 14 09 57 04.4–.42 40.00N 22.43E 35–5 3.3
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.2km az=31.2.
CSEM Event type ke. Error ellipse: s-maj=14.1km s-min=8.3km az=114.0.
ISC XII 14 21 01 09.9–.50 38.43N–.02 21.97E–.04 7–6 58 0-1
ISCJB XII 14 21 01 09.5–.47 38.43N–.02 21.98E–.03 7–5 ¶13402769
THE XII 14 21 01 09.5 38.42N 21.97E 8–2 2.0L
CSEM XII 14 21 01 09.5–.13 38.42N 21.99E 5 2.6
ATH XII 14 21 01 10.0 38.42N 21.92E 8–1 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=12.3.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=231.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=101.0.
ATH Error ellipse: s-maj=0.7km s-min=1.2km az=-1.0.
ISC XII 15 04 31 24.8–1.3 38.08N–.04 20.38E–.07 3–5 50 0-3
ISCJB XII 15 04 31 24.7–1.4 38.08N–.05 20.40E–.06 1–6 ¶13402821
ATH XII 15 04 31 24.1 38.12N 20.35E 13–1 3.1
CSEM XII 15 04 31 24.8–.41 38.07N 20.40E 2 2.5L
THE XII 15 04 31 25.7 38.06N 20.45E 6–0 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=6.2km az=140.6.
ATH Error ellipse: s-maj=0.9km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.2km az=52.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=42.0.
THE XII 15 18 57 07.7 38.70N 22.54E 16–1 1.8L
CSEM XII 15 18 57 07.1–.12 38.71N 22.55E 20 1.8L ¶13402882
ATH XII 15 18 57 07.7 38.73N 22.55E 18–2 3.3
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=16.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=58.0.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
ISC XII 16 00 49 18.8–.29 38.71N–.02 22.55E–.02 10–3 121 0-2
ISCJB XII 16 00 49 18.4–.28 38.71N–.02 22.55E–.02 7–3 ¶13402893
CSEM XII 16 00 49 18.3–.12 38.71N 22.56E 10 2.6L
ATH XII 16 00 49 18.7 38.72N 22.57E 16–2 3.5
THE XII 16 00 49 18.6 38.71N 22.55E 8–1 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=25.7.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=147.0.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=334.0.
ISC XII 17 19 02 11.0–.27 38.34N–.02 21.82E–.02 7–2 3.6b 252 0-77
IDC XII 17 19 02 09.6–1.2 38.43N 21.65E 0 3.7b,3.7 ¶12077949
ISCJB XII 17 19 02 10.3–.31 38.35N–.02 21.81E–.02 7–2 3.6b,3.7
CSEM XII 17 19 02 10.4–.13 38.34N 21.83E 5 3.8b,3.7
ATH XII 17 19 02 10.2 38.34N 21.86E 11–0 3.3L,3.7
THE XII 17 19 02 10.8 38.34N 21.84E 0–1 3.4L,3.7
MOS XII 17 19 02 13.6–1.2 38.48N 21.87E 33 4.0b,3.7
NEIC XII 17 19 02 15.6–1.1 38.46N 21.71E 43–11 3.7b,3.7
SKO XII 17 19 02 19.5 38.95N 22.45E 0 3.7b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=20.6km az=122.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=43.5.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=49.0.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=253.0.
MOS Error ellipse: s-maj=18.4km s-min=9.0km az=74.1.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.6km az=176.0.
ISC XII 17 19 20 24.9–.41 38.84N–.02 23.59E–.03 12–4 86 0-2
ISCJB XII 17 19 20 24.4–.40 38.84N–.02 23.59E–.03 9–4 ¶13403034
CSEM XII 17 19 20 24.3–.13 38.82N 23.61E 10 2.7L
ATH XII 17 19 20 24.1 38.86N 23.58E 23–0 2.8L
THE XII 17 19 20 24.9 38.83N 23.57E 9–1 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=176.1.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=86.0.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=80.0.
ISC XII 17 23 34 32.1–.37 40.81N–.03 22.43E–.02 8–5 74 0-2
ATH XII 17 23 34 25.5 41.14N 22.19E 32–3 2.9 ¶13403091
ISCJB XII 17 23 34 31.5–.36 40.81N–.02 22.42E–.02 10 2.9
CSEM XII 17 23 34 31.6–.17 40.82N 22.43E 19–0 2.3L
THE XII 17 23 34 32.0 40.80N 22.44E 3–1 2.3L
SKO XII 17 23 34 33.1 40.94N 22.40E 15 2.0L,1.6
ISC Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=10.8.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=6.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=329.0.
ISC XII 19 10 16 11.9–.00 38.04N–.04 20.38E–.05 2–4 99 0-4
ISCJB XII 19 10 16 11.4–.92 38.03N–.03 20.38E–.04 2–5 ¶13403299
THE XII 19 10 16 12.0 38.01N 20.41E 4–1 2.9L
ATH XII 19 10 16 13.4 38.17N 20.50E 16–0 3.3
CSEM XII 19 10 16 13.3–.51 38.10N 20.42E 9–0 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=135.7.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=213.0.
ATH Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=5.9km az=56.0.
ISC XII 21 04 04 57.2–.42 38.30N–.03 20.37E–.03 39–9 130 0-8
ATH XII 21 04 04 57.3 38.29N 20.57E 35–1 3.2L ¶13403542
CSEM XII 21 04 04 57.2–.23 38.31N 20.38E 33–3 3.2L
THE XII 21 04 04 58.4 38.28N 20.48E 33–2 3.0L
SKO XII 21 04 05 00.3 38.51N 20.84E 25 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.8km az=43.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=232.0.
ISC XII 23 18 24 33.3–.40 38.35N–.02 22.03E–.03 9–4 53 0-2
ISCJB XII 23 18 24 32.9–.40 38.35N–.02 22.02E–.03 9–3 ¶13403782
CSEM XII 23 18 24 32.7–.13 38.35N 22.02E 15 2.0L
ATH XII 23 18 24 32.5 38.39N 22.02E 15–1 3.0
THE XII 23 18 24 33.5 38.37N 22.01E 0–1 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=10.3.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=86.0.
ATH Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=115.0.
ISC XII 24 19 58 26.2–.58 38.45N–.02 20.33E–.03 1–3 3.8b 232 0-73
ISCJB XII 24 19 58 24.8–.59 38.44N–.02 20.26E–.03 0–4 3.8b ¶11751828
ATH XII 24 19 58 25.2 38.46N 20.38E 5–2 3.5L
CSEM XII 24 19 58 26.4–.19 38.45N 20.35E 2 3.5L
IDC XII 24 19 58 26.8–1.9 38.82N 20.64E 0 3.7b,3.6
NEIC XII 24 19 58 27.4–.98 38.62N 20.68E 10 3.7b,3.6
THE XII 24 19 58 27.6 38.44N 20.44E 0–1 3.5L,3.6
SKO XII 24 19 58 32.1 38.83N 20.38E 10 3.5L,3.6
BEO XII 24 19 58 48.7–.82 40.35N 19.51E 0–0 3.5L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=41.5.
ATH Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.8km az=40.0.

IDC Error ellipse: s-maj=31.9km s-min=18.8km az=7.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.8km az=185.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=242.0.
ISC XII 24 22 32 16.5–.40 38.36N–.02 21.92E–.04 9–3 64 0-2
ISCJB XII 24 22 32 16.3–.38 38.36N–.02 21.92E–.03 7–3 **¶13403890**
ATH XII 24 22 32 16.6 38.35N 21.90E 5–1 3.0
THE XII 24 22 32 16.5 38.36N 21.93E 10–1 1.7L
CSEM XII 24 22 32 16.2–.11 38.36N 21.95E 6–1 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=1.2.
ATH Error ellipse: s-maj=0.3km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=93.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=97.0.
THE XII 24 23 54 30.7 40.59N 22.80E 4–1 2.4L
ATH XII 24 23 54 29.8 40.60N 22.76E 25–1 3.1 **¶13403899**
CSEM XII 24 23 54 30.4–.11 40.58N 22.81E 9–0 2.4L
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=1.0.
ATH Error ellipse: s-maj=0.9km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=162.0.
ISC XII 24 23 55 57.5–.51 38.32N–.03 22.08E–.03 10 39 0-1
ISCJB XII 24 23 55 57.2–.51 38.31N–.03 22.09E–.03 10 **¶13403900**
THE XII 24 23 55 57.7 38.33N 22.08E 0–2 1.5L
CSEM XII 24 23 55 57.2–.25 38.31N 22.09E 8 1.5L
ATH XII 24 23 55 58.0 38.30N 22.07E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=162.2.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=344.0.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=11.0.
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
THE XII 27 09 52 19.6 40.14N 23.98E 9–0 2.7L
CSEM XII 27 09 52 19.1–.11 40.12N 23.99E 9–0 2.7L **¶11751844**
ATH XII 27 09 52 19.7 40.15N 23.89E 27–1 3.2
BEO XII 27 09 52 23.5–1.2 40.39N 23.74E 0–0 3.2
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=99.0.
ATH Error ellipse: s-maj=0.6km s-min=1.1km az=-1.0.
ISC XII 29 01 12 24.1–.60 38.13N–.03 20.65E–.04 8–3 3.7b 134 0-46
ISCJB XII 29 01 12 23.1–.63 38.11N–.03 20.60E–.04 11–3 3.7b **¶12079325**
ATH XII 29 01 12 23.3 38.18N 20.66E 17–0 3.2L
CSEM XII 29 01 12 23.9–.24 38.14N 20.69E 2 3.2L
THE XII 29 01 12 24.8 38.15N 20.72E 0–2 3.0L
IDC XII 29 01 12 32.6–1.4 39.31N 21.98E 0 3.6b,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=44.6.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.9km az=39.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=199.0.
IDC Error ellipse: s-maj=42.3km s-min=24.4km az=125.0.
ISC XII 30 22 47 22.4–.57 40.13N–.03 23.98E–.04 13–5 45 0-2
ISCJB XII 30 22 47 22.2–.59 40.12N–.04 23.99E–.04 9–5 **¶13404447**
THE XII 30 22 47 22.9 40.15N 23.96E 9–1 2.3L
CSEM XII 30 22 47 22.3–.09 40.14N 23.98E 10 2.3L
ATH XII 30 22 47 23.0 40.18N 24.03E 4 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.0km az=5.1.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=299.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=9.0.
ATH Error ellipse: s-maj=0.6km s-min=0.4km az=-1.0.
ISC XII 31 14 39 34.9–.25 38.77N–.01 23.46E–.02 11–2 3.4b 204 0-44
IDC XII 31 14 39 33.3–1.4 38.59N 23.52E 0 3.5,3.4 **¶12079662**
ATH XII 31 14 39 34.0 38.78N 23.48E 26–0 4.0L,3.4
THE XII 31 14 39 34.8 38.76N 23.45E 11–0 3.4L,3.4
ISCJB XII 31 14 39 34.2–.25 38.77N–.01 23.47E–.02 11–2 3.4b,3.4
CSEM XII 31 14 39 34.5–.10 38.76N 23.46E 10 3.4L,3.4
NEIC XII 31 14 39 38.1–.83 38.57N 23.48E 39–9 3.4L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=18.7km az=128.0.
ATH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.4km s-min=0.2km az=137.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=173.8.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=88.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.6km az=173.0.
THE XII 31 14 57 55.9 38.74N 23.46E 18–0 1.7L
CSEM XII 31 14 57 56.0–.18 38.76N 23.47E 19–0 1.7L **¶13404489**
ATH XII 31 14 57 56.8 38.75N 23.39E 21–2 2.3L
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=192.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=63.0.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
ISC XII 31 15 15 45.8–.26 38.78N–.01 23.44E–.02 11–2 177 0-6
ISCJB XII 31 15 15 45.2–.26 38.78N–.01 23.44E–.02 10–2 **¶13404493**
ATH XII 31 15 15 45.3 38.78N 23.49E 28–0 4.0L
THE XII 31 15 15 45.9 38.77N 23.41E 6–0 3.3L
CSEM XII 31 15 15 45.3–.11 38.77N 23.45E 10–0 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=173.5.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.2km az=340.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=94.0.
ISC XII 31 15 21 04.8–.28 38.76N–.01 23.45E–.03 13–2 129 0-3
ISCJB XII 31 15 21 04.3–.28 38.76N–.01 23.45E–.02 12–2 **¶13404496**
ATH XII 31 15 21 04.0 38.77N 23.44E 26–0 3.5L
THE XII 31 15 21 04.8 38.76N 23.44E 11–0 2.7L
CSEM XII 31 15 21 04.4–.07 38.76N 23.45E 12 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=170.5.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=174.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=86.0.
THE XII 31 21 06 39.0 38.69N 22.54E 13–2 1.6L
CSEM XII 31 21 06 39.0 38.69N 22.54E 13 1.6L **¶13567730**
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.3km az=168.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC XII 31 21 12 16.6–.67 38.37N–.03 22.40E–.03 18–6 45 0-1
ATH XII 31 21 12 15.6 38.35N 22.38E 32–1 3.0 **¶13404523**
CSEM XII 31 21 12 15.8–.23 38.36N 22.38E 30 1.5L
ISCJB XII 31 21 12 16.5–.51 38.37N–.03 22.41E–.03 21–6 1.5L
THE XII 31 21 12 17.4 38.41N 22.38E 10–1 1.5L
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.8km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=173.5.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=159.0.
ISC XII 31 22 08 50.6–.39 38.68N–.03 22.54E–.03 28–4 54 0-1
ISCJB XII 31 22 08 50.5–.39 38.68N–.03 22.53E–.03 28–4 **¶13404530**
ATH XII 31 22 08 50.3 38.71N 22.55E 27–2 2.9
CSEM XII 31 22 08 50.4–.15 38.67N 22.54E 27–1 1.7L
THE XII 31 22 08 51.0 38.68N 22.53E 17–0 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=150.8.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=146.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=196.0.

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ISC VII 06 11 08 30.2–.46 39.83N–.02 25.53E–.02 4–3 145 0-4
ISCJB VII 06 11 08 29.8–.54 39.83N–.02 25.57E–.02 1–4 **¶11514149**
DDA VII 06 11 08 30.4 39.80N 25.63E 22–1 3.4
NEIC VII 06 11 08 30.6 39.82N 25.61E 19 3.4
CSEM VII 06 11 08 30.2–.15 39.82N 25.54E 2 3.4
ATH VII 06 11 08 30.4 39.83N 25.61E 21–2 3.4
THE VII 06 11 08 31.0 39.83N 25.61E 11–1 3.5L
ISK VII 06 11 08 32.4 39.88N 25.80E 4 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=20.9.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=16.0.
ATH Error ellipse: s-maj=1.2km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=212.0.
ISC VII 08 00 32 58.0–2.0 40.32N–.05 25.8E–.20 26–6 30 0-2
ISCJB VII 08 00 32 57.8–2.1 40.32N–.05 25.8E–.20 28–5 **¶11514160**
ISK VII 08 00 32 57.9 40.29N 25.88E 26 2.6
DDA VII 08 00 32 58.8 40.28N 25.74E 28–0 2.9
CSEM VII 08 00 32 59.0–.73 40.30N 25.93E 21–3 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=25.5km s-min=7.3km az=11.3.
CSEM Event type ke. Error ellipse: s-maj=18.5km s-min=9.3km az=111.0.
ISC VII 08 04 07 51.7–.73 40.36N–.03 25.78E–.04 11–7 34 1-2
ISCJB VII 08 04 07 51.3–.80 40.35N–.03 25.78E–.04 6–7 **¶13562828**
CSEM VII 08 04 07 51.4–.16 40.35N 25.80E 5 2.8L
DDA VII 08 04 07 51.5 40.33N 25.85E 7–3 3.0
THE VII 08 04 07 51.8 40.35N 25.77E 10–1 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.7km az=148.8.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=110.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=22.0.
ISC VII 09 07 38 53.1–.49 38.89N–.03 26.83E–.03 16–5 72 1-2
ISK VII 09 07 38 51.6 38.95N 26.80E 10 2.8 **¶11514173**
CSEM VII 09 07 38 52.9–.20 38.90N 26.83E 17–2 2.9L
DDA VII 09 07 38 52.8 38.88N 26.85E 7–5 3.0
ISCJB VII 09 07 38 53.4–.38 38.88N–.03 26.83E–.03 24–6 3.0
ATH VII 09 07 38 53.0 38.96N 26.75E 43–31 3.0
THE VII 09 07 38 53.2 38.84N 26.79E 3–16 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.9km az=22.6.
ATH Error ellipse: s-maj=27.3km s-min=5.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=16.2km s-min=0.7km az=70.0.
ISC VII 09 19 30 42.1–.45 38.85N–.02 26.05E–.03 9–3 142 0-5
NEIC VII 09 19 30 39.0 38.82N 25.94E 8 3.3,3.2 **¶11514183**
ISK VII 09 19 30 40.1 38.83N 25.96E 8 3.3,3.2
ISCJB VII 09 19 30 41.8–.46 38.85N–.02 26.03E–.03 11–3 3.3,3.2
ATH VII 09 19 30 41.7 38.88N 26.16E 31–1 3.2,3.2
DDA VII 09 19 30 41.6 38.88N 26.09E 26–1 3.1,3.2
CSEM VII 09 19 30 42.1–.11 38.84N 26.06E 10 3.2,3.2
THE VII 09 19 30 42.5 38.87N 26.10E 8–1 3.5L,3.2
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=157.1.
ATH Error ellipse: s-maj=0.8km s-min=2.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=62.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=84.0.
ISC VII 14 02 36 54.3–.89 38.77N–.04 25.74E–.10 21–12 27 0-2
ISCJB VII 14 02 36 54.2–.82 38.77N–.04 25.73E–.09 23–11 **¶13562923**
CSEM VII 14 02 36 54.3–.12 38.78N 25.75E 20 3.1L
DDA VII 14 02 36 54.1 38.82N 25.83E 7–7 2.8
THE VII 14 02 36 54.0 38.79N 25.68E 6–7 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=5.8km az=171.7.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=62.0.
THE Event type ke. Error ellipse: s-maj=8.0km s-min=0.7km az=77.0.
ISC VII 15 16 29 10.8–.46 39.43N–.02 25.92E–.04 10–4 61 0-3
DDA VII 15 16 29 09.9 39.45N 25.95E 7–4 2.9 **¶11514294**
ISCJB VII 15 16 29 10.2–.47 39.44N–.02 25.92E–.04 7–4 2.9
CSEM VII 15 16 29 10.4–.21 39.42N 25.90E 10 2.9L
ISK VII 15 16 29 10.1 39.50N 25.83E 11 2.9
THE VII 15 16 29 11.0 39.41N 25.93E 13–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=173.8.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=78.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=57.0.
ISC VII 20 06 18 27.3–.61 38.17N–.03 26.70E–.07 15–5 35 0-2
ATH VII 20 06 18 26.5 38.05N 26.56E 44–10 2.9 **¶13389628**
CSEM VII 20 06 18 26.9–.22 38.19N 26.71E 13–2 2.7
ISCJB VII 20 06 18 27.2–.68 38.15N–.03 26.66E–.08 11–6 2.7
DDA VII 20 06 18 27.3 38.19N 26.75E 7–3 2.7
ISC Event type ke.
ATH Error ellipse: s-maj=6.0km s-min=4.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=3.5km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=3.8km az=160.3.
ISC VII 20 10 15 27.0–.36 38.74N–.01 26.58E–.02 9–2 4.0b,3.2s 425 0-72
BJI VII 20 10 15 21.8 38.70N 26.40E 5 4.9b,4.7s **¶11153520**
NEIC VII 20 10 15 24.8 38.68N 26.43E 5 4.0L,3.3
ISK VII 20 10 15 25.6 38.74N 26.54E 10 4.0L,3.3
DDA VII 20 10 15 25.8 38.74N 26.58E 27–0 4.1L,3.9
THE VII 20 10 15 26.9 38.75N 26.61E 7–1 4.3L,3.9
ATH VII 20 10 15 26.5 38.72N 26.48E 24–0 3.3,3.9
ISCJB VII 20 10 15 26.0–.33 38.75N–.01 26.56E–.02 9–2 4.0b,3.2s
CSEM VII 20 10 15 27.5–.09 38.72N 26.57E 15 4.1L,3.2s
MOS VII 20 10 15 28.1–1.2 38.75N 26.55E 33 4.2b,3.2s
IDC VII 20 10 15 31.6–3.9 38.58N 26.90E 33–32 3.7L,3.5
ISC Event type ke.
NEIC Event type se. After ISK.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=84.0.
ATH Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=41.5.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=44.0.
MOS Error ellipse: s-maj=8.3km s-min=4.4km az=87.2.
IDC Error ellipse: s-maj=28.1km s-min=19.8km az=17.0.
ISC VII 20 19 12 57.1–.53 38.87N–.01 24.91E–.01 12–4 3.5b 444 1-43
DDA VII 20 19 12 54.5 38.98N 24.79E 6–0 4.0L **¶13389682**
ISCJB VII 20 19 12 55.5–.71 38.89N–.01 24.92E–.01 7–5 3.5b
ISK VII 20 19 12 55.9 38.89N 24.85E 21 3.9L,3.8
CSEM VII 20 19 12 56.7–.06 38.86N 24.91E 10 4.5L,3.8
ATH VII 20 19 12 57.3 38.86N 24.91E 42–2 4.0L,3.8
NEIC VII 20 19 12 57.0–.25 38.87N 24.88E 10 4.0L,3.8
THE VII 20 19 12 57.2 38.87N 24.92E 10–1 4.5L,3.8
IDC VII 20 19 13 02.0–5.4 39.11N 24.99E 28–40 3.6L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=163.7.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=170.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=3.3km az=109.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=110.0.
IDC Error ellipse: s-maj=48.6km s-min=20.6km az=7.0.
ISC VII 20 19 26 27.9–.50 38.85N–.03 24.86E–.03 7–6 60 1-2
ISCJB VII 20 19 26 28.0–.39 38.86N–.03 24.87E–.03 10 **¶13389683**
CSEM VII 20 19 26 27.5–.13 38.85N 24.86E 2 2.9L
ATH VII 20 19 26 27.7 38.86N 24.89E 4 2.8,2.4L
THE VII 20 19 26 28.3 38.90N 24.87E 3–1 2.9L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=162.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=163.0.
ATH Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=80.0.
ISC VII 21 01 20 18.1–.46 38.86N–.02 24.88E–.02 22–5 155 1-6
ATH VII 21 01 20 16.4 38.87N 24.85E 26–1 3.3,2.8L **¶12951563**
NEIC VII 21 01 20 16.4 38.87N 24.85E 26 2.8L,2.8L
ISCJB VII 21 01 20 18.1–.40 38.86N–.02 24.88E–.02 27–4 2.8L,2.8L
CSEM VII 21 01 20 18.6–.06 38.87N 24.90E 30 2.8L,2.8L
THE VII 21 01 20 19.4 38.88N 24.88E 31–1 3.4L,2.8L
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.

NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=158.7.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=151.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.3km az=146.0.
ISC VII 21 14 46 15.3–.68 38.23N–.02 26.56E–.05 4–5 65 0-2
ISCJB VII 21 14 46 14.9–.67 38.24N–.02 26.55E–.04 1–5 ¶11514397
DDA VII 21 14 46 15.2 38.26N 26.62E 2–1 2.9
ISK VII 21 14 46 15.5 38.18N 26.68E 3 2.7
ATH VII 21 14 46 15.1 38.24N 26.51E 10 2.9
CSEM VII 21 14 46 15.1–.24 38.24N 26.55E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.9km az=175.7.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=93.0.
ISC VII 25 03 58 45.1–.67 39.84N–.02 23.51E–.06 19–8 33 0-2
ATH VII 25 03 58 44.4 39.84N 23.40E 34 3.0 ¶13390032
ISCJB VII 25 03 58 45.5–.54 39.84N–.02 23.52E–.07 17–11 3.0
CSEM VII 25 03 58 45.0–.13 39.84N 23.50E 15 2.7L
THE VII 25 03 58 45.2 39.84N 23.49E 14–0 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.0km az=6.9.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.1km az=93.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=101.0.
DDA VII 26 11 28 20.6 38.26N 26.60E 7–1 2.7 ¶13597201
ISC VII 26 13 17 13.7–.41 38.27N–.02 26.55E–.03 11–3 95 0-2
ISK VII 26 13 17 12.0 38.33N 26.50E 8 3.1 ¶11514510
ATH VII 26 13 17 12.9 38.27N 26.78E 38–19 3.2
ISCJB VII 26 13 17 13.3–.48 38.26N–.02 26.55E–.03 9–3 3.2
THE VII 26 13 17 13.5 38.23N 26.58E 11–0 3.5L
CSEM VII 26 13 17 13.2–.19 38.29N 26.53E 10 3.2
DDA VII 26 13 17 13.0 38.25N 26.56E 10–1 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=3.7km s-min=23.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=152.8.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=28.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=56.0.
ISC VII 26 13 31 30.6–.42 38.24N–.02 26.57E–.03 12–3 101 0-2
DDA VII 26 13 31 29.8 38.27N 26.57E 17–1 3.2 ¶11514511
ISK VII 26 13 31 29.0 38.24N 26.55E 8 3.1
ISCJB VII 26 13 31 29.9–.49 38.21N–.02 26.57E–.03 10–3 3.1
ATH VII 26 13 31 29.9 38.22N 26.47E 30–6 3.1
THE VII 26 13 31 29.6 38.17N 26.58E 2–1 3.6L
CSEM VII 26 13 31 30.0–.16 38.25N 26.56E 12 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=148.9.
ATH Error ellipse: s-maj=0.8km s-min=7.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=40.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=55.0.
ISC VII 26 14 05 42.1–.42 38.24N–.02 26.55E–.03 3–3 108 0-2
THE VII 26 14 05 41.2 38.20N 26.58E 0–0 3.4L ¶11514513
NEIC VII 26 14 05 41.0 38.22N 26.62E 5 3.2,3.0
ISCJB VII 26 14 05 41.4–.56 38.24N–.02 26.54E–.03 1–4 3.2,3.0
DDA VII 26 14 05 41.0 38.27N 26.56E 16–1 2.8,3.0
ATH VII 26 14 05 41.7 38.26N 26.58E 23–2 3.2,3.0
CSEM VII 26 14 05 41.8–.15 38.23N 26.56E 2 2.8,3.0
ISK VII 26 14 05 42.0 38.21N 26.60E 5 3.1,3.0
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=124.0.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=149.8.
ATH Error ellipse: s-maj=1.3km s-min=3.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=59.0.
ISC VII 26 22 20 27.4–.62 38.51N–.07 26.80E–.05 19–9 28 0-1
CSEM VII 26 22 20 26.8–.23 38.50N 26.82E 18–3 2.8 ¶13563278
DDA VII 26 22 20 26.7 38.55N 26.79E 18–1 2.8
ISCJB VII 26 22 20 27.2–.88 38.50N–.05 26.81E–.05 22–10 2.8
THE VII 26 22 20 27.5 38.50N 26.78E 17–12 2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.2km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=6.6km az=10.0.
THE Event type ke. Error ellipse: s-maj=14.4km s-min=0.3km az=136.0.
ISC VII 27 12 19 12.3–.52 38.26N–.03 26.55E–.03 8–4 56 0-2
ISCJB VII 27 12 19 11.8–.73 38.27N–.03 26.54E–.04 7–5 ¶11514537
ISK VII 27 12 19 11.8 38.20N 26.61E 6 2.9
DDA VII 27 12 19 12.3 38.25N 26.61E 7–3 2.9
CSEM VII 27 12 19 12.0–.17 38.25N 26.55E 5 3.1
ATH VII 27 12 19 14.9 38.39N 26.07E 35–1 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=138.2.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=51.0.
ATH Error ellipse: s-maj=1.8km s-min=6.4km az=-1.0.
ISC VII 27 15 32 19.7–.47 38.74N–.03 26.60E–.04 14–4 44 0-2
DDA VII 27 15 32 18.9 38.75N 26.62E 7–5 2.9 ¶13563293
ISCJB VII 27 15 32 19.4–.55 38.74N–.03 26.59E–.04 10–5 2.9
CSEM VII 27 15 32 19.3–.11 38.74N 26.59E 12 2.9
THE VII 27 15 32 19.3 38.73N 26.58E 4–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=142.7.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=58.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=205.0.
ISC VII 28 02 17 39.2–.81 38.15N–.03 24.03E–.06 10–4 57 0-2
NEIC VII 28 02 17 38.5 38.14N 24.02E 20 2.9L ¶12951723
ATH VII 28 02 17 38.5 38.14N 24.01E 20–1 2.9L,2.7
ISCJB VII 28 02 17 39.1–.97 38.12N–.04 24.04E–.06 12–6 2.9L,2.7
CSEM VII 28 02 17 39.2–.23 38.16N 24.01E 12 2.9L,2.7
THE VII 28 02 17 39.7 38.15N 23.99E 7–0 2.9L,2.7
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.0km s-min=3.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.3km az=29.2.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.6km az=100.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=292.0.
ISC VII 29 11 38 57.3–.43 38.25N–.02 26.04E–.02 9–3 247 0-8
ISK VII 29 11 38 54.5 38.25N 25.92E 7 3.7L,3.5 ¶11514569
NEIC VII 29 11 38 55.0 38.22N 25.94E 9 3.8L,3.4L
ISCJB VII 29 11 38 56.9–.38 38.27N–.02 26.05E–.02 13–3 3.8L,3.4L
DDA VII 29 11 38 56.4 38.26N 26.02E 25–1 3.7,3.4L
ATH VII 29 11 38 56.2 38.23N 26.03E 17–0 3.5,3.4L
CSEM VII 29 11 38 57.2–.10 38.26N 26.05E 10 4.4L,3.4L
THE VII 29 11 38 57.4 38.26N 26.02E 10–0 4.4L,3.4L
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=42.5.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=130.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=66.0.
ISC VII 30 12 53 02.6–.37 38.64N–.02 26.63E–.03 14–3 73 0-2
ISK VII 30 12 53 01.6 38.66N 26.65E 12 3.0L ¶11514577
DDA VII 30 12 53 01.5 38.62N 26.62E 27–1 2.9
ISCJB VII 30 12 53 02.1–.37 38.64N–.02 26.63E–.03 12–3 2.9
THE VII 30 12 53 02.4 38.64N 26.64E 14–1 3.7L
CSEM VII 30 12 53 02.3–.12 38.64N 26.63E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=146.7.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=162.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=54.0.
ISC VII 31 02 54 52.7–.39 38.85N–.01 26.03E–.02 5–3 3.7b,3.2s 586 0-79
NEIC VII 31 02 54 49.0 38.81N 25.84E 5 4.3L,4.1L ¶13390471
ISK VII 31 02 54 50.2 38.82N 25.89E 5 4.4L,4.1L
ISCJB VII 31 02 54 51.8–.41 38.86N–.01 26.01E–.02 7–3 3.7b,3.2s
ATH VII 31 02 54 51.8 38.86N 26.09E 27–1 4.1L,3.2s
IDC VII 31 02 54 51.5–.95 38.91N 25.86E 0 4.3L,3.7
CSEM VII 31 02 54 52.5–.08 38.85N 26.02E 5 4.2b,3.0s
DDA VII 31 02 54 52.7 38.83N 26.14E 7–5 3.8L,3.7
THE VII 31 02 54 53.0 38.87N 26.08E 7–1 4.8L,3.7
MOS VII 31 02 54 53.9–1.1 38.90N 26.02E 26 4.2b,3.7
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=25.4.
ATH Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0.
IDC Error ellipse: s-maj=17.3km s-min=15.0km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=3.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=92.0.
MOS Error ellipse: s-maj=5.3km s-min=3.4km az=108.3.
ISC VII 31 03 04 16.7–.36 38.85N–.01 26.09E–.02 10–2 3.6b,2.9s 544 0-77
NEIC VII 31 03 04 13.0 38.80N 25.92E 10 4.2L,3.8b ¶13390472
IDC VII 31 03 04 14.3–1.2 38.80N 25.92E 0 4.0L,3.6b
ISK VII 31 03 04 14.6 38.84N 25.99E 14 4.2L,3.6b
ATH VII 31 03 04 15.7 38.86N 26.14E 28–1 3.8L,3.6b
ISCJB VII 31 03 04 15.7–.66 38.87N–.01 26.07E–.02 11–5 3.5b,2.9s
THE VII 31 03 04 16.9 38.87N 26.07E 5–1 4.7L,2.9s
CSEM VII 31 03 04 16.5–.08 38.84N 26.09E 10 3.8b,2.7s
DDA VII 31 03 04 16.1 38.87N 26.11E 7–5 3.7L,3.6
MOS VII 31 03 04 17.5–1.3 38.91N 26.14E 29 3.9b,3.6
ISC Event type ke.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=21.8km s-min=14.9km az=23.0.
ATH Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=22.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=88.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=5.0.
MOS Error ellipse: s-maj=5.4km s-min=3.3km az=109.5.
ISC VII 31 14 05 36.2–.64 38.87N–.03 26.10E–.07 13–10 24 0-1
DDA VII 31 14 05 33.5 38.86N 25.93E 5–0 2.8 ¶13563409
ISCJB VII 31 14 05 35.9–.62 38.87N–.03 26.10E–.07 6–11 2.8
CSEM VII 31 14 05 35.8–.24 38.86N 26.12E 12 3.0L
THE VII 31 14 05 36.2 38.88N 26.06E 5–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.6km az=174.5.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.0km az=80.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=92.0.
ISC VII 31 18 51 08.8–.61 38.86N–.03 26.08E–.06 8–7 28 0-1
ISCJB VII 31 18 51 08.4–.65 38.86N–.03 26.09E–.05 1–9 ¶13563415
DDA VII 31 18 51 08.0 38.85N 26.09E 7–4 2.9
THE VII 31 18 51 08.7 38.87N 26.07E 4–6 3.1L
CSEM VII 31 18 51 08.5–.19 38.85N 26.09E 8 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=171.3.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=0.4km az=93.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=79.0.
ISC VII 31 19 22 50.9–.60 38.87N–.03 26.10E–.05 6–8 28 0-1
ISCJB VII 31 19 22 50.5–.66 38.87N–.03 26.11E–.05 0–9 ¶13563416
DDA VII 31 19 22 50.2 38.85N 26.13E 7–2 2.9
THE VII 31 19 22 50.9 38.88N 26.08E 4–4 3.3L
CSEM VII 31 19 22 50.6–.22 38.87N 26.11E 5 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=171.4.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=0.5km az=96.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=79.0.
ISC VIII 01 06 24 03.3–.55 38.86N–.02 26.03E–.05 8–4 73 0-3
ISK VIII 01 06 24 01.8 38.85N 26.00E 6 3.3 ¶11525226
ISCJB VIII 01 06 24 02.7–.56 38.86N–.02 26.04E–.04 5–4 3.3
DDA VIII 01 06 24 02.0 38.87N 26.05E 7–4 2.9
CSEM VIII 01 06 24 03.1–.20 38.86N 26.03E 8 3.0L
THE VIII 01 06 24 03.5 38.87N 26.08E 6–1 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=162.5.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.9km az=72.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=260.0.
ISC VIII 01 07 57 48.3–.41 38.85N–.01 26.02E–.02 4–3 275 0-9
ISK VIII 01 07 57 46.9 38.85N 25.96E 5 3.8L ¶11525227
NEIC VIII 01 07 57 46.6 38.84N 25.73E 7 3.7L,3.5L
ISCJB VIII 01 07 57 47.5–.43 38.86N–.01 26.01E–.02 5–3 3.7L,3.5L
ATH VIII 01 07 57 47.3 38.85N 26.18E 30–0 3.7,3.5L
DDA VIII 01 07 57 47.2 38.85N 26.07E 7–7 3.6,3.5L
THE VIII 01 07 57 48.7 38.87N 26.08E 6–0 3.7L,3.5L
CSEM VIII 01 07 57 49.3–.11 38.85N 26.03E 15 3.7L,3.5L
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=170.5.
ATH Error ellipse: s-maj=0.7km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=93.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=111.0.
ISC VIII 01 15 38 19.8–.47 38.88N–.02 26.04E–.04 12–3 120 0-3
NEIC VIII 01 15 38 16.4 38.84N 25.84E 10 3.3,3.2 ¶11525234
ISK VIII 01 15 38 16.5 38.84N 25.84E 10 3.3,3.2
CSEM VIII 01 15 38 19.8–.19 38.87N 26.04E 15 3.2,3.2
ATH VIII 01 15 38 19.0 38.85N 26.17E 30–2 3.2,3.2
ISCJB VIII 01 15 38 19.5–.49 38.89N–.02 26.04E–.04 12–4 3.2,3.2
THE VIII 01 15 38 20.5 38.88N 26.07E 10–1 3.0L,3.2
DDA VIII 01 15 38 21.9 39.26N 27.09E 8–72 3.1,3.2
ISC Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=72.0.
ATH Error ellipse: s-maj=1.6km s-min=6.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=167.2.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=86.0.
ISC VIII 01 18 00 10.8–.45 38.79N–.03 26.84E–.03 11–5 44 0-2
ISCJB VIII 01 18 00 10.4–.60 38.79N–.03 26.83E–.04 8–6 ¶13563430
CSEM VIII 01 18 00 10.5–.13 38.78N 26.83E 10 2.6L
THE VIII 01 18 00 10.6 38.80N 26.82E 2–1 2.6L
DDA VIII 01 18 00 11.2 38.77N 26.84E 14–0 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=37.3.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=52.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=216.0.
ISC VIII 02 17 52 53.8–.44 39.28N–.03 23.16E–.04 13–3 55 0-2
NEIC VIII 02 17 52 52.8 39.30N 23.24E 19 2.6L ¶12099602
ATH VIII 02 17 52 52.8 39.30N 23.24E 19–1 2.6,2.6L
ISCJB VIII 02 17 52 53.7–.64 39.25N–.03 23.17E–.04 12–5 2.6,2.6L
CSEM VIII 02 17 52 53.6–.21 39.29N 23.15E 12 2.6L,2.6L
THE VIII 02 17 52 53.7 39.26N 23.17E 14–0 2.1L,2.6L
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=153.9.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.3km az=45.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=106.0.
ISC VIII 03 00 39 16.6–.28 39.585N–.01 23.852E–.01 9–1 5.0b,4.9s 1803 0-131
BJI VIII 03 00 39 10.3 39.55N 23.16E 5 5.4b,5.1s ¶13390744
ISCJB VIII 03 00 39 14.9–.30 39.619N–.01 23.865E–.01 7–2 5.0b,4.9s
IDC VIII 03 00 39 15.5–.50 39.63N 23.80E 0 4.7,4.7
ATH VIII 03 00 39 16.1 39.59N 23.90E 30–1 5.3L,4.7
PDG VIII 03 00 39 16.2–.49 39.62N 23.88E 18–1 4.6,4.5L
THE VIII 03 00 39 16.5 39.58N 23.87E 10–1 4.9L,4.5L
NEIC VIII 03 00 39 16.9–.13 39.61N 23.85E 10 5.3W,5.3L
CSEM VIII 03 00 39 16.0–.05 39.60N 23.86E 5 5.3W,5.1b
IGIL VIII 03 00 39 17.9 39.59N 23.92E 5 5.5b,5.1b
MOS VIII 03 00 39 18.2–1.2 39.67N 23.82E 33 5.1b,4.7s
GCMT VIII 03 00 39 19.6–.20 39.54N 23.76E 12 5.3W,4.7s
DDA VIII 03 00 39 20.2 39.67N 24.48E 18–3 5.0L,4.7s
BGS VIII 03 00 39 26.3–1.8 40.80N 23.45E 10–0 5.0s,4.8b

DJA VIII 03 00 40 02 40.19N 23.54E 463 4.7b,4.8b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.2km az=14.6.
IDC Error ellipse: s-maj=10.1km s-min=9.2km az=42.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=251.0.
NEIC Event type fe. Error ellipse: s-maj=2.2km s-min=2.1km az=154.0. 5.2 [THE]. Felt at Thessaloniki and Volos.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=21.0.
MOS Error ellipse: s-maj=3.2km s-min=2.1km az=100.6.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 93, comp=179, per= 50. Moment Tensor Solution. s51,c79; s9,c9; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.69±.15 $M_{\theta\theta}$6.50±.14; $M_{\phi\phi}$-0.81±.15; $M_{r\theta}$0.56±.36; $M_{\theta\phi}$-6.23±.12; $M_{\phi r}$3.84±.43; Best double couple: NP1:ϕ_n267.00000°,δ52.00000°,λ-143.00000°. NP2:ϕ_n152.00000°,δ61.00000°,λ-44.00000°. Principal axes: T 10.2000,Plg5.0000°,Azm211.0000°; N -1.4000,Plg39.0000°,Azm306.0000°; P -8.8000,Plg50.0000°,Azm115.0000° $M_0$9.50000×10^{16}
BGS Error ellipse: s-maj=81.3km s-min=59.5km az=-1.0.

ISC VIII 03 00 52 54.4–.32 39.55N–.01 23.87E–.01 7–2 4.8s,4.3b 805 0-76
BJI VIII 03 00 52 52.1 39.60N 23.90E 10 5.0s,5.0b **¶13390745**
PDG VIII 03 00 52 53.8–.57 39.54N 23.91E 11–1 4.1L,5.0b
ISCJB VIII 03 00 52 54.2–.29 39.58N–.01 23.88E–.01 18–3 4.8s,4.3b
CSEM VIII 03 00 52 54.7–.05 39.56N 23.88E 10 4.5b,4.3b
NEIC VIII 03 00 52 54.1 39.56N 23.90E 27 4.5L,4.4L
ATH VIII 03 00 52 54.1 39.56N 23.90E 27–1 4.4L,4.4L
THE VIII 03 00 52 55.2 39.58N 23.90E 2–1 4.5L,4.4L
MOS VIII 03 00 52 55.9–1.4 39.59N 23.76E 33 4.4b,4.4L
IDC VIII 03 00 52 56.4–4.8 39.45N 23.88E 20–32 3.9b,3.9
DDA VIII 03 00 53 03.3 39.55N 24.99E 18–4 3.6,3.9
ISC Event type fe.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.3km az=0.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.5km az=25.7.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=25.0.
NEIC Event type fe. Felt at Thessaloniki and Volos. After ATH.
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=336.0.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=109.0.
IDC Error ellipse: s-maj=13.8km s-min=11.3km az=1.0.

ISC VIII 03 01 22 32.0–.41 39.55N–.02 23.90E–.02 12–3 261 0-8
NEIC VIII 03 01 22 31.2 39.57N 23.85E 26 3.3L **¶11525238**
ATH VIII 03 01 22 31.2 39.57N 23.85E 26–2 3.3L
ISCJB VIII 03 01 22 31.2–.54 39.54N–.02 23.91E–.02 12–4 3.3L
THE VIII 03 01 22 32.3 39.56N 23.89E 10–1 3.4L
CSEM VIII 03 01 22 32.0–.22 39.55N 23.90E 12–1 3.3L
ISK VIII 03 01 22 37.6 39.52N 24.54E 20 3.6
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=141.5.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=217.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=141.0.

ISC VIII 03 01 56 24.4–.36 39.57N–.01 23.81E–.01 12–2 3.9b 642 0-67
PDG VIII 03 01 56 23.5–.59 39.60N 23.83E 15–1 3.9L **¶13390747**
ATH VIII 03 01 56 23.5 39.58N 23.86E 27–1 4.3L
NEIC VIII 03 01 56 23.5 39.58N 23.86E 27 4.3L,3.9L
ISCJB VIII 03 01 56 23.8–.30 39.60N–.01 23.80E–.01 20–3 3.9b,3.9L
CSEM VIII 03 01 56 24.2–.07 39.57N 23.81E 10 4.0b,3.9L
THE VIII 03 01 56 24.2 39.58N 23.92E 12–0 4.3L,3.9L
IDC VIII 03 01 56 25.4–1.1 39.91N 23.64E 0 3.9,3.8
MOS VIII 03 01 56 25.6–1.2 39.68N 23.75E 33 4.1b,3.8
DDA VIII 03 01 56 52.2 39.00N 26.74E 10–6 3.5,3.8
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=24.4.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=28.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=265.0.
IDC Error ellipse: s-maj=26.9km s-min=14.1km az=172.0.
MOS Error ellipse: s-maj=5.6km s-min=3.5km az=107.8.

ISC VIII 03 03 22 48.5–.49 39.58N–.02 23.90E–.03 14–3 113 0-3
NEIC VIII 03 03 22 47.9 39.60N 23.89E 28 2.6L **¶12099626**
ATH VIII 03 03 22 47.9 39.60N 23.89E 28–1 2.6L
ISCJB VIII 03 03 22 48.1–.59 39.57N–.02 23.89E–.03 13–4 2.6L
CSEM VIII 03 03 22 48.4–.13 39.58N 23.89E 15 2.6L
THE VIII 03 03 22 48.6 39.59N 23.90E 11–0 2.4L
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=14.6.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=104.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=164.0.

ISC VIII 03 10 05 21.8–.70 38.87N–.03 26.04E–.05 2–10 32 0-2
DDA VIII 03 10 05 20.6 38.88N 26.07E 5–2 3.0 **¶13563451**
ISCJB VIII 03 10 05 21.8–.69 38.87N–.03 26.03E–.05 10 3.0
THE VIII 03 10 05 21.8 38.87N 26.15E 10–11 2.4L
CSEM VIII 03 10 05 21.5–.38 38.86N 26.04E 2 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=172.3.
THE Event type ke. Error ellipse: s-maj=18.6km s-min=0.5km az=99.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=5.1km az=78.0.

ISC VIII 03 10 29 37.9–.85 39.56N–.03 23.95E–.07 9–6 44 0-2
CSEM VIII 03 10 29 37.7–.40 39.55N 23.92E 10 2.5L **¶12099640**
THE VIII 03 10 29 37.9 39.58N 23.94E 2–15 2.5L
ISCJB VIII 03 10 29 38.1–.79 39.55N–.03 23.90E–.08 18–9 2.5L
NEIC VIII 03 10 29 38.4 39.48N 23.87E 30 2.9
ATH VIII 03 10 29 38.4 39.48N 23.87E 30–7 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=4.7km az=100.0.
THE Event type ke. Error ellipse: s-maj=15.3km s-min=0.3km az=102.0.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.0km az=9.7.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=4.7km s-min=11.7km az=-1.0.

ISC VIII 03 10 32 48.3–.77 39.55N–.03 23.94E–.08 17–5 47 0-2
ISCJB VIII 03 10 32 48.5–.72 39.55N–.03 23.91E–.08 23–6 **¶12099641**
CSEM VIII 03 10 32 48.7–.55 39.54N 23.94E 26–2 2.3L
THE VIII 03 10 32 48.7 39.58N 23.92E 2–17 2.3L
ATH VIII 03 10 32 48.2 39.56N 23.88E 31–2 2.9
NEIC VIII 03 10 32 48.2 39.56N 23.88E 31 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.0km az=9.4.
CSEM Event type ke. Error ellipse: s-maj=15.6km s-min=7.0km az=102.0.
THE Event type ke. Error ellipse: s-maj=17.2km s-min=0.4km az=103.0.
ATH Error ellipse: s-maj=1.9km s-min=3.6km az=-1.0.
NEIC Event type se. After ATH.

THE VIII 03 10 41 39.3 39.59N 23.91E 4–13 2.0L
CSEM VIII 03 10 41 27.7–.75 39.38N 22.62E 2 2.0L **¶12099642**
THE Event type ke. Error ellipse: s-maj=13.4km s-min=0.3km az=263.0.
CSEM Event type ke. Error ellipse: s-maj=30.7km s-min=9.7km az=134.0.

ISC VIII 03 19 13 56.1–.54 39.57N–.03 23.88E–.05 23–7 51 0-2
ISCJB VIII 03 19 13 55.9–.49 39.57N–.03 23.87E–.05 25–5 **¶12099659**
NEIC VIII 03 19 13 55.5 39.54N 23.88E 31 3.0
ATH VIII 03 19 13 55.5 39.54N 23.88E 31–1 3.0
THE VIII 03 19 13 55.7 39.59N 23.90E 16–1 2.5L
CSEM VIII 03 19 13 56.3–.26 39.50N 23.86E 40 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=30.4.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.9km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=224.0.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=5.9km az=134.0.

ISC VIII 03 19 18 43.1–.90 38.49N–.03 24.04E–.08 24–7 48 0-2
NEIC VIII 03 19 18 42.8 38.53N 23.97E 25 2.5L **¶12099660**
ATH VIII 03 19 18 42.8 38.53N 23.97E 25–2 3.0,2.5L
CSEM VIII 03 19 18 42.6–.29 38.49N 24.02E 15 2.5L,2.5L
ISCJB VIII 03 19 18 43.1–.85 38.50N–.03 24.05E–.08 27–6 2.5L,2.5L
THE VIII 03 19 18 43.9 38.54N 24.00E 13–1 2.3L,2.5L
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=3.5km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.4km az=4.7.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=133.0.

ISC VIII 04 18 10 59.8–.54 39.57N–.03 23.90E–.05 10–5 44 0-8
ISCJB VIII 04 18 10 58.9–.71 39.59N–.03 23.93E–.05 6–6 **¶14711421**
THE VIII 04 18 10 59.9 39.56N 23.88E 2–2 2.9L
CSEM VIII 04 18 10 59.3–.25 39.57N 23.91E 10 2.9L
SOF VIII 04 18 10 59.5 39.83N 24.76E 20 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.5km az=24.6.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=88.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.2km az=115.0.

ISC VIII 04 22 15 06.4–.45 39.55N–.01 23.90E–.02 12–3 222 0-7
NEIC VIII 04 22 15 04.3 39.58N 24.01E 17 3.1L **¶11525253**
ISCJB VIII 04 22 15 05.9–.52 39.54N–.01 23.90E–.02 12–4 3.1L
CSEM VIII 04 22 15 05.8–.12 39.54N 23.85E 10 3.1L
ATH VIII 04 22 15 05.4 39.56N 23.96E 29–2 3.3,3.0L
SKO VIII 04 22 15 06.1 39.56N 23.86E 0 3.3,3.0L
THE VIII 04 22 15 06.2 39.56N 23.94E 11–0 2.9L,3.0L
ISK VIII 04 22 15 07.4 39.36N 24.20E 6 3.5,3.0L
ISC Event type ke.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=10.7.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=119.0.
ATH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=257.0.

ISC VIII 05 06 37 29.4–.38 39.57N–.01 23.75E–.02 10–3 3.5b 237 0-43
NEIC VIII 05 06 37 27.9 39.58N 23.82E 23 3.7L **¶11525256**
SKO VIII 05 06 37 27.9 39.52N 23.85E 5 3.7L
IDC VIII 05 06 37 27.9–1.8 39.41N 23.85E 0 3.6b,3.5
ATH VIII 05 06 37 27.9 39.58N 23.82E 23–1 3.7L,3.5
ISCJB VIII 05 06 37 28.7–.37 39.57N–.01 23.78E–.02 10–2 3.5b,3.5
THE VIII 05 06 37 29.0 39.57N 23.84E 9–1 3.5L,3.5
CSEM VIII 05 06 37 29.1–.11 39.57N 23.75E 10 3.5L,3.5
ISK VIII 05 06 37 30.1 39.35N 24.04E 5 3.7,3.5
ISC Event type ke.
NEIC Event type se. After ATH.
IDC Error ellipse: s-maj=96.4km s-min=26.3km az=144.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=31.5.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=316.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=120.0.

ISC VIII 05 06 39 37.6–.41 39.55N–.02 23.74E–.02 7–3 3.5b,2.8s 202 0-43
NEIC VIII 05 06 39 36.2 39.57N 23.81E 23 3.8L,2.8s **¶11907782**
IDC VIII 05 06 39 36.1–1.4 39.53N 23.68E 0 3.7b,3.7
ATH VIII 05 06 39 36.2 39.57N 23.81E 23–1 3.8L,3.7
SKO VIII 05 06 39 36.9 39.58N 23.83E 4 3.8L,3.7
CSEM VIII 05 06 39 37.9–.15 39.55N 23.68E 10 3.8L,3.7
THE VIII 05 06 39 37.4 39.58N 23.84E 14–1 3.8L,3.7
ISCJB VIII 05 06 39 37.2–.42 39.56N–.02 23.77E–.02 10–3 3.5b,2.8s
ISC Event type ke.
NEIC Event type se. After ATH.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.

ISC VIII 05 18 47 01.0–.82 39.55N–.03 23.89E–.07 19–5 40 0-2
CSEM VIII 05 18 47 00.8–.30 39.55N 23.88E 17–2 2.0L **¶12099700**
ISCJB VIII 05 18 47 01.3–.72 39.55N–.03 23.82E–.07 10–6 2.0L
THE VIII 05 18 47 01.1 39.57N 23.90E 7–1 2.0L
ATH VIII 05 18 47 02.2 39.75N 23.52E 23–7 3.4
NEIC VIII 05 18 47 02.2 39.75N 23.52E 23 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=3.8km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=4.6km az=12.9.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=120.0.
ATH Error ellipse: s-maj=3.3km s-min=3.4km az=-1.0.
NEIC Event type se. After ATH.

ISC VIII 06 06 11 38.9–.55 38.86N–.02 26.28E–.05 11–4 60 0-2
ISK VIII 06 06 11 36.9 38.78N 26.16E 8 2.8 **¶11525269**
ISCJB VIII 06 06 11 38.4–.55 38.86N–.02 26.29E–.04 7–4 2.8
CSEM VIII 06 06 11 38.7–.21 38.85N 26.28E 10 2.2L
DDA VIII 06 06 11 38.3 38.86N 26.39E 7–6 3.1
THE VIII 06 06 11 38.9 38.85N 26.26E 7–4 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=160.2.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=70.0.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.2km az=104.0.

ISC VIII 06 14 32 45.0–.42 39.57N–.01 23.81E–.02 13–3 244 0-11
SOF VIII 06 14 32 41.1 39.53N 23.93E 6 3.2 **¶13810067**
SKO VIII 06 14 32 43.6 39.56N 23.85E 0 3.4L,3.0
ATH VIII 06 14 32 44.0 39.58N 23.84E 31–1 3.5,3.4L
CSEM VIII 06 14 32 44.1–.10 39.58N 23.85E 10 3.4L,3.4L
ISCJB VIII 06 14 32 44.4–.48 39.57N–.01 23.81E–.02 12–3 3.4L,3.4L
THE VIII 06 14 32 44.7 39.58N 23.89E 12–1 3.4L,3.4L
NEIC VIII 06 14 32 44.0 39.58N 23.84E 31 3.4L,3.4L
DDA VIII 06 14 33 13.3 39.52N 26.47E 7–7 3.2,3.4L
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=103.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=16.6.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=255.0.
NEIC Event type se. After ATH.

ISC VIII 07 06 23 37.4–.39 38.80N–.02 26.84E–.03 7–5 60 0-2
ISCJB VIII 07 06 23 36.8–.46 38.81N–.03 26.85E–.03 0–7 **¶11525289**
DDA VIII 07 06 23 36.5 38.79N 26.81E 20–3 2.8
CSEM VIII 07 06 23 37.2–.14 38.80N 26.85E 5 2.8
THE VIII 07 06 23 37.2 38.80N 26.79E 8–9 2.3L
ISK VIII 07 06 23 37.4 38.80N 26.91E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=44.2.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=49.0.
THE Event type ke. Error ellipse: s-maj=9.9km s-min=0.7km az=98.0.

ISC VIII 07 12 30 58.6–.45 39.57N–.02 23.89E–.03 10–3 228 0-8
BEO VIII 07 12 30 52.7–1.7 39.14N 24.00E 4–8 3.4L **¶11747322**
ISCJB VIII 07 12 30 57.8–.59 39.58N–.02 23.91E–.03 9–4 3.4L
CSEM VIII 07 12 30 58.6–.12 39.59N 23.89E 10 3.4L
NEIC VIII 07 12 30 59.5 39.60N 23.85E 5 3.5L
ATH VIII 07 12 30 59.3 39.56N 23.82E 34–3 3.4,3.4L
THE VIII 07 12 30 59.2 39.57N 23.92E 13–1 3.4L,3.4L
SOF VIII 07 12 31 00.1 39.76N 23.99E 19 3.2,3.4L
SKO VIII 07 12 31 03.6 39.71N 23.48E 20 3.2,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=19.6.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=104.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=294.0.

ISC VIII 07 16 12 46.6–.53 39.56N–.02 23.89E–.04 18–3 93 0-3
THE VIII 07 16 12 46.7 39.58N 23.88E 9–2 2.5L **¶12099757**
SOF VIII 07 16 12 46.8 39.76N 24.07E 10 2.8
ISCJB VIII 07 16 12 46.5–.42 39.55N–.02 23.90E–.05 23–4 2.8
CSEM VIII 07 16 12 46.7–.14 39.56N 23.88E 20 2.5L

ATH VIII 07 16 12 47.2 39.49N 23.78E 32–5 2.8
NEIC VIII 07 16 12 47.2 39.49N 23.78E 32 2.8
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.1km az=119.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.2km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.5km az=101.0.
ATH Error ellipse: s-maj=3.1km s-min=2.2km az=-1.0.
NEIC Event type se. After ATH.
ISC VIII 07 17 04 38.7–.49 39.58N–.02 23.83E–.03 13–4 184 0-6
NEIC VIII 07 17 04 38.9 39.55N 23.88E 42 3.3 **¶12099758**
ISCJB VIII 07 17 04 38.4–.60 39.57N–.02 23.86E–.03 14–5 3.3
THE VIII 07 17 04 38.4 39.58N 23.94E 13–1 3.2L
CSEM VIII 07 17 04 38.3–.11 39.57N 23.81E 10 3.3
SOF VIII 07 17 04 38.6 39.69N 24.10E 19 3.0
ATH VIII 07 17 04 38.9 39.55N 23.88E 42–10 3.3,3.1L
ISC Event type ke.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=20.2.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=227.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=108.0.
ATH Error ellipse: s-maj=2.7km s-min=2.0km az=-1.0.
ISC VIII 07 18 26 36.2–.43 39.57N–.01 23.90E–.03 10–3 239 0-7
ATH VIII 07 18 26 35.8 39.59N 23.88E 27–4 3.8,3.2L **¶12099760**
NEIC VIII 07 18 26 35.9 39.59N 23.88E 28 3.2L,3.2L
ISCJB VIII 07 18 26 35.6–.52 39.57N–.01 23.91E–.03 9–4 3.2L,3.2L
THE VIII 07 18 26 36.3 39.59N 23.87E 5–1 3.2L,3.2L
CSEM VIII 07 18 26 36.2–.11 39.58N 23.88E 10 3.2L,3.2L
SOF VIII 07 18 26 36.4 39.86N 24.45E 10 3.2,3.2L
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=11.4.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=188.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=105.0.
ISC VIII 08 21 38 21.2–.47 38.90N–.02 26.10E–.04 12–4 65 0-2
ISCJB VIII 08 21 38 20.8–.48 38.91N–.02 26.10E–.04 11–4 **¶11525309**
ATH VIII 08 21 38 20.2 38.90N 26.17E 24 3.2
CSEM VIII 08 21 38 21.2–.17 38.89N 26.11E 19–0 2.8L
THE VIII 08 21 38 21.4 38.91N 26.10E 9–1 2.8L
ISK VIII 08 21 38 22.4 38.98N 26.31E 8 2.9
DDA VIII 08 21 38 24.6 38.87N 26.57E 7–8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=155.5.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=60.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=90.0.
ISC VIII 09 01 00 46.2–.63 38.27N–.03 26.02E–.03 8–4 107 0-3
ISK VIII 09 01 00 43.6 38.22N 25.86E 8 3.4 **¶11525313**
ISCJB VIII 09 01 00 45.5–.65 38.26N–.02 26.01E–.03 8–4 3.4
CSEM VIII 09 01 00 45.2–.19 38.24N 25.99E 5 2.7L
DDA VIII 09 01 00 45.6 38.26N 26.05E 7–4 3.3
THE VIII 09 01 00 46.9 38.30N 26.06E 8–1 2.7L
ATH VIII 09 01 00 55.7 39.04N 25.73E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.8km az=158.2.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=4.0km az=86.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=67.0.
ISC VIII 09 01 29 04.6–.48 39.22N–.03 23.84E–.04 14–3 80 0-3
SOF VIII 09 01 29 03.7 39.48N 25.12E 18 2.6 **¶12099807**
ISCJB VIII 09 01 29 04.5–.48 39.23N–.03 23.87E–.04 18–4 2.6
CSEM VIII 09 01 29 04.6–.15 39.25N 23.82E 12 2.9L
NEIC VIII 09 01 29 04.0 39.28N 23.79E 23 3.2
ATH VIII 09 01 29 04.0 39.28N 23.79E 23–1 3.2
THE VIII 09 01 29 05.2 39.26N 23.78E 9–0 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.2km az=31.9.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=123.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=123.0.
ISC VIII 09 12 34 35.7–.56 38.89N–.03 26.05E–.05 8–4 64 0-2
ATH VIII 09 12 34 34.5 38.91N 26.16E 23–1 3.1 **¶11525317**
ISK VIII 09 12 34 34.3 38.91N 26.04E 2 3.0
THE VIII 09 12 34 35.6 38.91N 26.07E 0–2 2.4L
ISCJB VIII 09 12 34 35.3–.57 38.90N–.02 26.07E–.05 5–5 2.4L
DDA VIII 09 12 34 35.6 38.88N 26.15E 7–1 2.8
CSEM VIII 09 12 34 35.4–.14 38.88N 26.04E 8 2.4L
NEIC VIII 09 12 34 35.0 38.91N 26.01E 9 3.4L,3.1
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=233.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=158.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=65.0.
NEIC Event type se. After ISK.
ISC VIII 09 23 42 16.6–.42 39.51N–.02 23.87E–.04 14–3 91 0-2
ISCJB VIII 09 23 42 15.9–.43 39.51N–.02 23.89E–.04 11–4 **¶12099827**
CSEM VIII 09 23 42 16.5–.13 39.52N 23.88E 15 2.1L
THE VIII 09 23 42 16.9 39.53N 23.87E 12–1 2.1L
ATH VIII 09 23 42 16.1 39.52N 23.81E 3–3 3.1
NEIC VIII 09 23 42 16.1 39.52N 23.81E 3 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=16.6.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=102.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=134.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
NEIC Event type se. After ATH.
ISC VIII 10 06 05 20.1–.51 39.54N–.03 23.87E–.04 13–5 49 0-2
ATH VIII 10 06 05 18.0 39.66N 23.78E 13–11 3.3 **¶12099834**
NEIC VIII 10 06 05 18.0 39.66N 23.78E 13 3.3
ISCJB VIII 10 06 05 19.7–.56 39.54N–.03 23.87E–.04 9–6 3.3
CSEM VIII 10 06 05 19.0–.27 39.53N 23.93E 15 2.0L
THE VIII 10 06 05 20.1 39.56N 23.90E 7–1 2.0L
ISC Event type ke.
ATH Error ellipse: s-maj=6.0km s-min=5.1km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.9km az=3.6.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=5.4km az=133.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=160.0.
ISC VIII 11 15 48 12.5–.50 38.10N–.02 26.59E–.04 8–5 54 0-2
ATH VIII 11 15 48 11.6 38.07N 26.57E 30–1 3.2 **¶13391416**
THE VIII 11 15 48 11.9 38.09N 26.62E 9–1 2.9L
ISCJB VIII 11 15 48 12.0–.56 38.09N–.02 26.58E–.04 2–5 2.9L
CSEM VIII 11 15 48 12.3–.24 38.12N 26.59E 15 3.1
DDA VIII 11 15 48 12.6 38.12N 26.65E 14–2 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=161.1.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=61.0.
ISC VIII 12 23 40 08.0–.34 39.56N–.01 23.82E–.02 11–2 298 0-8
NEIC VIII 12 23 40 02.5 39.51N 24.27E 2 3.4L,3.2L **¶12099894**
ATH VIII 12 23 40 02.6 39.51N 24.28E 2 3.5,3.2L
CSEM VIII 12 23 40 07.8–.09 39.56N 23.78E 10 3.0L,3.2L
ISCJB VIII 12 23 40 07.2–.34 39.56N–.01 23.84E–.02 9–2 3.0L,3.2L
THE VIII 12 23 40 08.1 39.56N 23.85E 12–1 3.0L,3.2L
DDA VIII 12 23 40 09.5 38.34N 25.51E 6–3 3.3,3.2L
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=126.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=42.9.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=102.0.

ISC VIII 14 11 00 48.4–.50 38.12N–.02 26.59E–.04 12–4 64 0-3
NEIC VIII 14 11 00 46.9 38.13N 26.67E 28 3.4 **¶11525378**
ATH VIII 14 11 00 46.9 38.13N 26.67E 28–1 3.4
CSEM VIII 14 11 00 47.3–.22 38.12N 26.51E 10 2.5
ISCJB VIII 14 11 00 48.0–.51 38.11N–.02 26.59E–.03 9–4 2.5
ISK VIII 14 11 00 48.5 38.07N 26.69E 9 2.8
DDA VIII 14 11 00 49.8 38.11N 26.71E 18–1 2.5
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.4km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=152.4.
ISC VIII 14 11 09 21.7–.37 38.56N–.02 26.75E–.03 15–3 80 0-2
DDA VIII 14 11 09 20.9 38.57N 26.76E 16–1 2.6 **¶11525379**
ISK VIII 14 11 09 20.8 38.59N 26.74E 14 2.5
CSEM VIII 14 11 09 21.4–.12 38.56N 26.76E 15 2.6
ISCJB VIII 14 11 09 21.5–.44 38.56N–.02 26.75E–.03 11–4 2.6
NEIC VIII 14 11 09 21.5 38.57N 26.69E 40 3.4
ATH VIII 14 11 09 21.5 38.57N 26.69E 40–1 3.4
THE VIII 14 11 09 22.0 38.57N 26.76E 6–2 2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=179.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.5km s-min=1.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.5km az=159.0.
ISC VIII 14 16 58 48.4–.36 38.60N–.02 26.71E–.03 13–3 82 0-2
DDA VIII 14 16 58 47.9 38.62N 26.73E 7–5 3.0 **¶12099942**
ISCJB VIII 14 16 58 48.7–.35 38.58N–.02 26.70E–.03 21–5 3.0
THE VIII 14 16 58 48.3 38.62N 26.70E 4–2 2.8L
CSEM VIII 14 16 58 48.2–.19 38.58N 26.69E 17–1 3.0
ATH VIII 14 16 58 48.0 38.62N 26.66E 34–5 3.5
NEIC VIII 14 16 58 48.0 38.62N 26.66E 34 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=145.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=196.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=59.0.
ATH Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0.
NEIC Event type se. After ATH.
ISC VIII 16 02 43 23.5–1.0 39.55N–.04 23.96E–.08 17–4 39 0-2
ISCJB VIII 16 02 43 23.3–1.1 39.55N–.04 23.98E–.09 20–7 **¶12099974**
CSEM VIII 16 02 43 23.0–.53 39.54N 24.01E 20 1.7L
THE VIII 16 02 43 23.2 39.56N 23.97E 15–1 1.7L
NEIC VIII 16 02 43 24.6 39.61N 23.77E 29 3.3
ATH VIII 16 02 43 24.6 39.61N 23.77E 29–2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.1km az=5.1.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=6.1km az=92.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=77.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.1km s-min=4.4km az=-1.0.
ISC VIII 16 07 07 42.4–.88 38.12N–.04 26.62E–.06 4–12 27 0-2
ISCJB VIII 16 07 07 41.8–.80 38.14N–.04 26.63E–.05 10 **¶11525421**
DDA VIII 16 07 07 42.2 38.15N 26.62E 7–3 2.8
ISK VIII 16 07 07 42.3 38.16N 26.62E 6 2.8
CSEM VIII 16 07 07 42.8–.24 38.12N 26.67E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.1km az=10.2.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=128.0.
ISC VIII 17 12 23 49.4–.52 39.72N–.02 25.64E–.02 2–4 139 0-3
ISCJB VIII 17 12 23 48.8–.55 39.73N–.02 25.63E–.02 2–4 **¶11525469**
ISK VIII 17 12 23 48.5 39.76N 25.70E 5 3.2
THE VIII 17 12 23 49.6 39.73N 25.61E 14–2 2.6L
CSEM VIII 17 12 23 49.7–.14 39.72N 25.70E 2 3.2
DDA VIII 17 12 23 49.0 39.68N 25.66E 28–1 3.2
ATH VIII 17 12 23 50.2 39.71N 25.96E 54–2 3.3
SOF VIII 17 12 23 50.7 40.07N 25.88E 7 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=21.1.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=117.0.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
ISC VIII 17 13 18 47.6–.68 39.73N–.02 25.58E–.04 12–4 68 0-2
ATH VIII 17 13 18 46.6 39.79N 26.88E 34–4 3.2 **¶11525471**
CSEM VIII 17 13 18 48.2–.34 39.71N 25.59E 19–0 3.0
ISCJB VIII 17 13 18 48.0–.53 39.71N–.02 25.59E–.04 18–5 3.0
THE VIII 17 13 18 49.1 39.70N 25.65E 26–2 2.1L
DDA VIII 17 13 18 49.2 39.84N 25.76E 26–1 3.0
ISK VIII 17 13 18 49.1 39.77N 25.71E 5 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=5.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.8km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=175.2.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=104.0.
ISC VIII 17 19 47 00.1–.40 40.12N–.02 24.88E–.02 6–3 188 1-7
NEIC VIII 17 19 46 58.9 40.12N 24.80E 16 3.6 **¶11525476**
ATH VIII 17 19 46 58.9 40.12N 24.80E 16–2 3.6
SKO VIII 17 19 46 58.5 40.21N 25.14E 6 3.6
DDA VIII 17 19 46 59.9 40.37N 24.89E 11–0 3.2
ISCJB VIII 17 19 46 59.4–.46 40.14N–.02 24.89E–.02 5–3 3.2
CSEM VIII 17 19 46 59.8–.12 40.12N 24.87E 5 3.3
ISK VIII 17 19 47 00.1 40.06N 25.03E 5 3.3
SOF VIII 17 19 47 01.8 40.32N 24.92E 16 2.8
THE VIII 17 19 47 01.1 40.14N 24.92E 15–1 3.0L
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=20.4.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=11.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=295.0.
ISC VIII 17 20 02 11.5–.73 38.20N–.04 26.70E–.05 8–5 43 0-2
DDA VIII 17 20 02 10.5 38.16N 26.69E 7–5 2.9 **¶11525477**
ISCJB VIII 17 20 02 11.4–.73 38.21N–.04 26.71E–.05 7–6 2.9
ISK VIII 17 20 02 11.2 38.18N 26.76E 4 2.9
CSEM VIII 17 20 02 11.2–.28 38.20N 26.71E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=6.4km az=151.3.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=104.0.
ISC VIII 19 07 46 30.6–2.5 38.36N–.05 26.8E–.20 3–16 19 0-1
CSEM VIII 19 07 46 30.2–.73 38.38N 26.78E 2 2.6 **¶13827592**
DDA VIII 19 07 46 31.3 38.35N 26.89E 7–4 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=5.4km az=103.0.
ISC VIII 20 22 00 43.4–.53 40.39N–.04 25.21E–.04 18–5 46 1-2
THE VIII 20 22 00 42.6 40.33N 25.23E 7–1 2.3L **¶12100108**
ATH VIII 20 22 00 42.9 40.39N 25.27E 55–5 3.4
NEIC VIII 20 22 00 42.9 40.39N 25.27E 55 3.4
ISCJB VIII 20 22 00 42.5–.54 40.38N–.04 25.23E–.04 14–6 3.4
CSEM VIII 20 22 00 43.7–.43 40.46N 25.12E 2 3.4
DDA VIII 20 22 00 45.9 40.46N 25.44E 7–2 2.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=349.0.
ATH Error ellipse: s-maj=1.4km s-min=0.7km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.4km az=20.3.
CSEM Event type ke. Error ellipse: s-maj=12.6km s-min=6.1km az=1.0.
ISC VIII 21 00 45 33.1–.58 40.41N–.04 25.16E–.03 3–5 51 1-3
SKO VIII 21 00 45 30.8 40.51N 25.36E 0 **¶13563748**
SOF VIII 21 00 45 31.8 40.42N 25.11E 2 2.7
THE VIII 21 00 45 32.1 40.31N 25.21E 6–1 2.5L
ISCJB VIII 21 00 45 32.8–.47 40.40N–.04 25.19E–.03 10 2.5L

CSEM VIII 21 00 45 32.9–.42 40.45N 25.15E 2 2.5L
DDA VIII 21 00 45 34.7 40.48N 25.51E 9–6 2.7
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=344.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.2km az=12.1.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=5.8km az=171.0.
ISC VIII 21 04 49 50.4–.33 38.96N–.02 26.93E–.03 10–3 134 0-3
CSEM VIII 21 04 49 49.9–.13 38.95N 26.89E 10 3.2 **¶11525569**
DDA VIII 21 04 49 49.2 38.97N 26.95E 26–1 3.0
ISCJB VIII 21 04 49 49.7–.35 38.96N–.02 26.93E–.02 6–3 3.0
NEIC VIII 21 04 49 49.0 38.97N 26.93E 5 3.6,3.2
ISK VIII 21 04 49 49.4 38.96N 26.93E 9 3.2,3.2
ATH VIII 21 04 49 49.0 38.99N 26.97E 31–1 3.6,3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=165.7.
NEIC Event type se. After ISK.
ATH Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC VIII 22 08 56 00.4–.41 38.52N–.02 24.03E–.03 10–3 3.6b 163 0-43
IDC VIII 22 08 55 51.1–2.6 42.66N 19.01E 0 3.7b,3.5 **¶12100154**
SKO VIII 22 08 55 57.9 38.42N 23.95E 0 3.7b,3.5
ATH VIII 22 08 55 59.7 38.51N 24.03E 22–1 3.3L,3.5
NEIC VIII 22 08 55 59.7 38.51N 24.03E 22 3.3L,3.5
ISCJB VIII 22 08 55 59.4–.42 38.53N–.02 24.05E–.03 6–3 3.6b,3.5
CSEM VIII 22 08 56 00.4–.25 38.50N 24.05E 20 3.3L,3.5
THE VIII 22 08 56 00.6 38.53N 24.02E 10–1 3.2L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=93.8km s-min=29.6km az=144.0.
ATH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=11.9.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=101.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=283.0.
ISC VIII 23 14 03 07.5–.65 38.89N–.02 26.04E–.07 12–6 34 0-1
DDA VIII 23 14 03 06.4 38.87N 26.01E 7–2 2.7 **¶13392401**
ATH VIII 23 14 03 06.6 38.89N 26.02E 20–5 3.2
ISCJB VIII 23 14 03 07.1–.64 38.89N–.02 26.04E–.06 9–6 3.2
THE VIII 23 14 03 07.4 38.91N 26.01E 13–6 2.1L
CSEM VIII 23 14 03 07.2–.18 38.89N 26.04E 12 2.1L
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=3.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.1km az=178.5.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=0.4km az=317.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.5km az=91.0.
ISC VIII 23 17 56 52.3–.40 39.98N–.02 23.39E–.04 9–4 60 0-1
ISCJB VIII 23 17 56 51.7–.41 39.98N–.02 23.39E–.04 6–5 **¶12100181**
NEIC VIII 23 17 56 51.8 39.99N 23.35E 24 3.2
ATH VIII 23 17 56 51.8 39.99N 23.35E 24–1 3.2
THE VIII 23 17 56 51.9 39.98N 23.40E 0–2 1.9L
CSEM VIII 23 17 56 51.9–.27 39.98N 23.42E 20–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.2km az=4.6.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.7km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=249.0.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=5.0km az=97.0.
ISC VIII 23 20 41 24.9–.41 38.53N–.02 24.03E–.02 7–3 226 0-9
ISCJB VIII 23 20 41 23.9–.42 38.55N–.02 24.04E–.02 4–3 **¶12100184**
ATH VIII 23 20 41 24.0 38.54N 24.04E 20–0 3.8L
NEIC VIII 23 20 41 24.0 38.54N 24.04E 20 3.8L
CSEM VIII 23 20 41 24.1–.13 38.54N 24.03E 2 3.8L
THE VIII 23 20 41 25.4 38.53N 24.02E 10–1 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=30.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=119.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=51.0.
ISC VIII 23 20 46 38.6–.63 39.59N–.03 23.82E–.06 18–4 57 0-2
THE VIII 23 20 46 37.9 39.61N 23.91E 16–1 2.2L **¶12100185**
CSEM VIII 23 20 46 37.9–.22 39.59N 23.89E 20 2.2L
ISCJB VIII 23 20 46 38.5–.63 39.58N–.03 23.82E–.06 15–8 2.2L
ATH VIII 23 20 46 38.5 39.57N 23.72E 30–2 3.2
NEIC VIII 23 20 46 38.5 39.57N 23.72E 30 3.2
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=258.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=2.7km az=102.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.0km az=14.1.
ATH Error ellipse: s-maj=1.7km s-min=2.1km az=-1.0.
NEIC Event type se. After ATH.
ISC VIII 25 01 25 02.6–.43 38.31N–.02 24.98E–.02 1–3 241 1-6
DDA VIII 25 01 24 59.7 38.24N 24.70E 11–0 3.3 **¶11525646**
ISCJB VIII 25 01 25 02.3–.48 38.31N–.02 24.97E–.02 4–4 3.3
ISK VIII 25 01 25 02.0 38.25N 24.70E 26 3.5
CSEM VIII 25 01 25 02.7–.10 38.32N 24.95E 2 3.6L
NEIC VIII 25 01 25 03.6 38.27N 24.98E 42 3.6
THE VIII 25 01 25 03.1 38.36N 24.94E 0–1 3.1L
ATH VIII 25 01 25 03.6 38.27N 24.98E 42–4 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=165.5.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=161.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=116.0.
ATH Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0.
ISC IX 04 01 19 21.7–.46 39.57N–.01 23.88E–.03 17–3 178 0-5
ISCJB IX 04 01 19 21.6–.35 39.56N–.01 23.87E–.03 21–4 **¶12951906**
ATH IX 04 01 19 21.7 39.55N 23.82E 36–3 3.5,2.5L
NEIC IX 04 01 19 21.7 39.55N 23.82E 37 2.5,2.5L
CSEM IX 04 01 19 21.4–.09 39.57N 23.88E 15 2.3L,2.5L
THE IX 04 01 19 21.7 39.57N 23.86E 15–1 2.3L,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=4.4.
ATH Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=96.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=84.0.
ISC IX 04 05 17 38.7–.47 38.89N–.02 25.99E–.04 13–3 113 0-4
DDA IX 04 05 17 37.1 38.86N 25.95E 6–7 3.3 **¶11660537**
NEIC IX 04 05 17 37.8 38.92N 25.90E 21 3.4,3.1
ISK IX 04 05 17 37.7 38.91N 26.01E 13 3.5,3.1
ATH IX 04 05 17 37.5 38.94N 25.82E 15–8 3.1,3.1
ISCJB IX 04 05 17 38.3–.51 38.89N–.02 25.99E–.03 11–3 3.1,3.1
THE IX 04 05 17 38.8 38.88N 25.99E 9–2 2.7L,3.1
CSEM IX 04 05 17 38.4–.13 38.88N 25.99E 12 2.7L,3.1
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.6km s-min=8.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=160.6.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=88.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=71.0.
ISC IX 05 09 08 57.7–.60 39.95N–.03 23.84E–.05 10–5 50 0-1
ATH IX 05 09 08 54.6 39.91N 24.01E 37–3 3.0 **¶13393479**
ISCJB IX 05 09 08 57.3–.62 39.95N–.02 23.83E–.05 5–7 3.0
CSEM IX 05 09 08 57.4–.29 39.95N 23.83E 15 2.2L
THE IX 05 09 08 57.9 39.97N 23.84E 6–2 2.2L
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=4.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.1km az=0.1.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.6km az=91.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=209.0.
ISC IX 06 05 48 10.0–.46 38.93N–.03 26.66E–.03 9–5 40 0-2
ISCJB IX 06 05 48 09.4–.52 38.93N–.03 26.67E–.03 2–7 **¶13566259**
DDA IX 06 05 48 09.4 38.94N 26.67E 7–6 2.7
CSEM IX 06 05 48 09.6–.18 38.93N 26.66E 5 2.7
THE IX 06 05 48 09.6 38.95N 26.66E 2–4 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=31.4.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=43.0.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=1.2km az=196.0.
ISC IX 06 11 56 38.7–.58 39.84N–.03 23.81E–.06 14–5 35 0-2
ISCJB IX 06 11 56 38.3–.59 39.83N–.03 23.83E–.05 8–5 **¶13393579**
THE IX 06 11 56 38.5 39.84N 23.87E 6–1 2.5L
ATH IX 06 11 56 38.5 39.85N 23.86E 6–3 2.7
CSEM IX 06 11 56 38.5–.23 39.84N 23.80E 10 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=174.2.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.1km az=223.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=91.0.
ISC IX 06 20 49 39.1–.62 38.20N–.03 26.43E–.04 5–8 47 0-2
ISCJB IX 06 20 49 39.5–.78 38.26N–.04 26.43E–.04 5–8 **¶11660597**
CSEM IX 06 20 49 39.1–.33 38.19N 26.41E 2 2.8
THE IX 06 20 49 40.4 38.31N 26.45E 2–6 2.2L
ISK IX 06 20 49 40.2 38.12N 26.55E 6 2.8
DDA IX 06 20 49 40.2 38.27N 26.50E 11–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=10.6.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.8km az=56.0.
THE Event type ke. Error ellipse: s-maj=6.1km s-min=0.8km az=183.0.
ISC IX 07 19 46 53.2–.48 38.88N–.03 26.17E–.06 17–4 46 0-2
DDA IX 07 19 46 51.8 38.85N 26.04E 7–5 3.0 **¶11660612**
ISK IX 07 19 46 51.8 39.01N 26.32E 5 2.8
ISCJB IX 07 19 46 52.8–.53 38.89N–.03 26.19E–.05 13–5 2.8
CSEM IX 07 19 46 52.7–.22 38.92N 26.22E 10 2.1L
THE IX 07 19 46 53.9 38.89N 26.03E 6–2 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.8km az=155.5.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.7km az=65.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=90.0.
ISC IX 09 02 54 43.8–.41 38.11N–.02 26.62E–.03 1–3 125 0-3
ISK IX 09 02 54 42.3 38.09N 26.62E 5 3.4 **¶11660642**
ATH IX 09 02 54 42.9 37.99N 26.46E 33 3.5
THE IX 09 02 54 43.9 38.09N 26.69E 9–1 3.3L
DDA IX 09 02 54 43.8 38.16N 26.70E 17–1 3.0
ISCJB IX 09 02 54 43.6–.55 38.11N–.02 26.64E–.03 3–4 3.0
CSEM IX 09 02 54 43.8–.13 38.10N 26.63E 2 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=14.6km s-min=9.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=65.0.
ISC IX 12 03 02 16.6–.36 38.94N–.02 26.63E–.03 9–3 97 0-3
ISCJB IX 12 03 02 15.9–.41 38.94N–.02 26.64E–.03 5–4 **¶11660709**
ISK IX 12 03 02 15.1 38.92N 26.57E 6 3.1
DDA IX 12 03 02 16.0 38.94N 26.65E 7–4 3.1
CSEM IX 12 03 02 16.1–.13 38.94N 26.62E 5 3.1
THE IX 12 03 02 16.1 38.93N 26.63E 3–2 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=150.3.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=69.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=222.0.
ISC IX 13 03 53 04.7–.36 39.30N–.02 25.95E–.03 13–2 150 0-4
ISK IX 13 03 53 03.4 39.31N 26.00E 5 3.4 **¶11660727**
NEIC IX 13 03 53 03.0 39.31N 26.00E 5 3.4
ATH IX 13 03 53 04.3 39.30N 26.10E 28–1 3.4
ISCJB IX 13 03 53 04.3–.41 39.31N–.02 25.96E–.03 11–3 3.4
THE IX 13 03 53 04.8 39.31N 25.96E 11–0 2.9L
CSEM IX 13 03 53 04.2–.11 39.29N 25.95E 10 2.9L
DDA IX 13 03 53 04.2 39.33N 26.02E 31–2 3.6
ISC Event type ke.
NEIC Event type se. After ISK.
ATH Error ellipse: s-maj=1.0km s-min=3.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=171.5.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=210.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=83.0.
ISC IX 13 07 03 44.0–.45 39.99N–.02 23.75E–.04 16–3 61 0-2
ISCJB IX 13 07 03 43.8–.51 39.98N–.02 23.74E–.04 13–4 **¶13394249**
CSEM IX 13 07 03 43.8–.16 39.99N 23.73E 15 2.3L
THE IX 13 07 03 43.9 39.99N 23.73E 15–0 2.3L
ATH IX 13 07 03 45.2 39.98N 23.71E 3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=7.6.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=91.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=264.0.
ATH Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0.
ATH IX 13 16 19 07.7 40.24N 25.16E 4 2.9
¶13394276
ATH Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0.
ISC IX 14 01 18 38.0–.93 38.93N–.03 26.6E–.10 16–7 26 0-1
CSEM IX 14 01 18 37.9–.26 38.94N 26.65E 10 2.8 **¶11660735**
DDA IX 14 01 18 37.8 38.94N 26.58E 7–3 2.8
ISK IX 14 01 18 37.6 38.95N 26.68E 6 2.7
ISCJB IX 14 01 18 38.1–.92 38.93N–.03 26.6E–.10 19–11 2.7
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
THE IX 16 03 11 36.6 39.18N 25.83E 1–0 2.8L
DDA IX 16 03 11 35.4 39.17N 25.80E 7–4 3.1 **¶11660763**
ISK IX 16 03 11 35.5 39.23N 25.77E 5 3.3
CSEM IX 16 03 11 36.3–.20 39.18N 25.77E 2 2.8L
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=76.0.
DDA IX 18 18 06 00.5 38.49N 26.56E 6–1 2.6
CSEM IX 18 18 06 00.5 38.49N 26.56E 6 2.6 **¶13856484**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC IX 18 18 36 06.4–.39 38.50N–.02 26.53E–.03 16–2 102 0-3
ISK IX 18 18 36 04.4 38.53N 26.48E 13 3.1 **¶11660820**
ISCJB IX 18 18 36 06.5–.35 38.49N–.02 26.52E–.03 21–3 3.1
DDA IX 18 18 36 06.4 38.50N 26.61E 29–1 3.1
THE IX 18 18 36 06.4 38.49N 26.56E 13–1 2.7L
CSEM IX 18 18 36 06.0–.14 38.51N 26.52E 15 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=145.8.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=113.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=55.0.
ISC IX 25 13 38 15.0–.45 40.14N–.03 24.90E–.03 5–5 62 0-3
CSEM IX 25 13 38 14.5–.24 40.13N 24.90E 2 2.3L **¶13395175**
ATH IX 25 13 38 14.8 40.14N 24.87E 5 2.9
ISCJB IX 25 13 38 15.1–.43 40.14N–.03 24.88E–.03 10 2.9
THE IX 25 13 38 15.2 40.14N 24.89E 9–1 2.3L
SOF IX 25 13 38 17.3 40.37N 25.12E 5 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=31.0.
ATH Error ellipse: s-maj=4.2km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=35.1.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=126.0.
ISC IX 25 17 59 21.9–.87 38.84N–.04 26.1E–.10 7–8 25 0-2
ISCJB IX 25 17 59 21.5–.92 38.84N–.04 26.1E–.10 4–9 **¶13395193**
ATH IX 25 17 59 21.3 38.85N 26.06E 20–12 3.0
CSEM IX 25 17 59 21.9–.21 38.85N 26.10E 2 2.6L
THE IX 25 17 59 22.5 38.91N 26.08E 0–3 2.6L
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=6.3km az=168.2.
ATH Error ellipse: s-maj=5.0km s-min=25.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=3.7km az=78.0.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=1.1km az=101.0.

ISC	**IX**	**29 23 34 50.0–.39**	**38.80N–.02**	**26.43E–.04**	**11–4**		**73**	**0-2**
ISCJB	IX	29 23 34 49.3–.39	38.80N–.02	26.44E–.04	8–4			¶11660989
CSEM	IX	29 23 34 49.6–.16	38.80N	26.45E	8	3.2		
DDA	IX	29 23 34 49.2	38.78N	26.46E	7–4	3.2		
ATH	IX	29 23 34 49.7	38.81N	26.39E	24–1	3.0		
ISK	IX	29 23 34 49.8	38.87N	26.52E	7	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=171.8.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=73.0.
ATH Error ellipse: s-maj=0.8km s-min=1.9km az=-1.0.

ISC	**IX**	**30 23 00 17.5–.45**	**39.70N–.02**	**25.54E–.03**	**9–3**		**91**	**0-3**
CSEM	IX	30 23 00 16.9–.17	39.70N	25.51E	2	2.4L		¶11661009
ISCJB	IX	30 23 00 17.0–.47	39.70N–.02	25.56E–.03	6–4	2.4L		
ATH	IX	30 23 00 17.7	39.71N	25.66E	36–3	3.3		
DDA	IX	30 23 00 17.8	39.77N	25.52E	20–0	3.2		
THE	IX	30 23 00 17.9	39.67N	25.55E	11–0	2.4L		
ISK	IX	30 23 00 18.9	39.79N	25.77E	5	3.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=20.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=31.4.
ATH Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=62.0.

ISC	**X**	**04 17 48 41.7–.45**	**38.94N–.02**	**26.76E–.03**	**10–4**		**44**	**0-2**
ATH	X	04 17 48 40.2	38.99N	26.86E	16–3	2.9		¶13395983
ISCJB	X	04 17 48 41.3–.60	38.93N–.02	26.76E–.04	7–5	2.9		
CSEM	X	04 17 48 41.2–.21	38.94N	26.75E	10	2.9		
DDA	X	04 17 48 41.1	38.95N	26.77E	7–6	2.9		

ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=15.3.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=125.0.

ISC	**X**	**05 13 13 49.2–.52**	**38.60N–.03**	**26.61E–.05**	**13–5**		**30**	**0-2**
ISCJB	X	05 13 13 48.8–.53	38.60N–.03	26.62E–.04	9–6			¶13396066
CSEM	X	05 13 13 49.4–.28	38.60N	26.58E	19–0	2.8		
ATH	X	05 13 13 49.0	38.61N	26.58E	23–1	3.1		
DDA	X	05 13 13 49.0	38.58N	26.67E	7–4	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=177.6.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=6.9km az=110.0.
ATH Error ellipse: s-maj=0.7km s-min=1.6km az=-1.0.

ISC	**X**	**05 15 15 15.4–.64**	**40.14N–.03**	**24.00E–.04**	**14–3**		**49**	**0-1**
ISCJB	X	05 15 15 15.2–.67	40.13N–.03	24.00E–.04	11–4			¶13396073
CSEM	X	05 15 15 15.3–.22	40.13N	24.01E	14–0	1.8L		
ATH	X	05 15 15 15.5	40.16N	23.98E	30–3	2.8		
THE	X	05 15 15 16.0	40.16N	23.99E	3–1	1.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=11.6.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=97.0.
ATH Error ellipse: s-maj=2.6km s-min=1.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=124.0.

ISC	**X**	**05 20 49 08.5–.45**	**38.86N–.02**	**26.06E–.03**	**12–3**		**138**	**0-4**
ATH	X	05 20 49 07.5	38.90N	26.15E	27–1	3.3		¶11661093
DDA	X	05 20 49 07.8	38.88N	26.11E	28–2	3.4		
ISCJB	X	05 20 49 07.8–.52	38.85N–.02	26.04E–.03	12–4	3.4		
THE	X	05 20 49 08.8	38.88N	26.13E	14–2	3.0L		
CSEM	X	05 20 49 08.6–.11	38.84N	26.06E	15	3.3		
ISK	X	05 20 49 10.1	39.02N	26.30E	4	3.3		

ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=2.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=158.6.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.8km az=100.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=35.0.

ISC	**X**	**06 17 38 52.5–.38**	**40.06N–.02**	**24.14E–.02**	**10–3**		**190**	**0-8**
SOF	X	06 17 38 49.6	40.06N	24.22E	2	2.6		¶13936099
ISCJB	X	06 17 38 51.8–.55	40.07N–.02	24.16E–.02	9–4	2.6		
CSEM	X	06 17 38 52.5–.11	40.06N	24.14E	10	3.3L		
ATH	X	06 17 38 52.0	40.11N	24.14E	29–1	3.5		
THE	X	06 17 38 52.5	40.06N	24.13E	2–1	3.3L		
ISK	X	06 17 38 55.8	40.25N	24.48E	11	3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=147.5.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=135.0.
ATH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=142.0.

DDA	**X**	**08 03 23 22.0**	**38.39N**	**26.61E**	**8–2**	**2.8**		
CSEM	X	08 03 23 20.0–1.2	38.17N	26.70E	2	2.8		¶13909627

CSEM Event type ke. Error ellipse: s-maj=33.8km s-min=7.4km az=170.0.

ISC	**X**	**08 10 40 48.1–.45**	**38.48N–.02**	**26.32E–.03**	**18–3**		**106**	**0-3**
ISK	X	08 10 40 46.1	38.43N	26.24E	16	3.3		¶11661169
DDA	X	08 10 40 47.7	38.49N	26.42E	25–1	3.5L		
CSEM	X	08 10 40 47.7–.15	38.46N	26.32E	15	3.3		
ATH	X	08 10 40 47.5	38.46N	26.20E	32–2	3.3		
THE	X	08 10 40 48.0	38.47N	26.38E	7–1	3.1L		
ISCJB	X	08 10 40 48.0–.40	38.48N–.02	26.31E–.03	23–3	3.1L		

ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.

ISC	**X**	**09 03 06 51.3–.46**	**40.34N–.03**	**25.88E–.05**	**14–5**		**40**	**0-2**
ISCJB	X	09 03 06 51.2–.52	40.34N–.03	25.87E–.06	15–9			¶11661204
CSEM	X	09 03 06 51.4–.24	40.34N	25.94E	12	2.7		
ISK	X	09 03 06 51.3	40.34N	25.94E	17	2.7		
THE	X	09 03 06 51.0	40.43N	25.64E	4–38	1.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.2km az=25.4.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.1km az=119.0.
THE Event type ke. Error ellipse: s-maj=38.5km s-min=1.0km az=305.0.

ISC	**X**	**09 20 29 58.6–.37**	**40.37N–.02**	**25.81E–.03**	**7–3**		**113**	**0-4**
CSEM	X	09 20 29 58.3–.12	40.35N	25.80E	5	3.1		¶11661240
ATH	X	09 20 29 58.3	40.37N	25.83E	27–0	3.2		
ISK	X	09 20 29 58.4	40.36N	25.93E	3	3.1		
ISCJB	X	09 20 29 58.2–.43	40.37N–.02	25.81E–.03	5–3	3.1		
DDA	X	09 20 29 59.5	40.36N	26.01E	6–9	3.0		
SOF	X	09 20 29 59.2	40.38N	25.67E	10	2.7		
THE	X	09 20 29 59.2	40.37N	25.81E	14–0	2.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=26.0.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=173.3.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=51.0.

THE	**X**	**14 11 29 00.1**	**40.98N**	**24.48E**	**1–3**			
CSEM	X	14 11 28 59.9–.21	40.98N	24.48E	2			¶13566761
SKO	X	14 11 29 23.5	40.37N	21.82E	1			

THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.5km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.9km az=149.0.

ISC	**X**	**16 03 38 53.6–.30**	**39.94N–.01**	**23.67E–.02**	**11–2**	**3.4b**	**236**	**0-43**
IDC	X	16 03 38 51.8–1.8	39.98N	23.48E	0	3.7b,3.6		¶12068728
ISCJB	X	16 03 38 52.9–.29	39.95N–.01	23.68E–.02	11–2	3.4b,3.6		
ATH	X	16 03 38 52.9	39.96N	23.67E	28–1	2.9L,3.6		
CSEM	X	16 03 38 53.9–.09	39.94N	23.68E	15	3.0L,3.6		
THE	X	16 03 38 53.6	39.96N	23.67E	10–0	3.0L,3.6		
SOF	X	16 03 38 54.1	40.03N	23.73E	18	3.2,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=90.5km s-min=26.2km az=144.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=25.3.
ATH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=116.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=324.0.

ISC	**X**	**16 06 24 17.1–.48**	**38.46N–.02**	**25.94E–.03**	**10–3**		**121**	**0-4**
CSEM	X	16 06 24 16.8–.10	38.45N	25.94E	9–0	3.2L		¶11661341
ATH	X	16 06 24 16.2	38.46N	25.82E	9–3	3.3		
ISCJB	X	16 06 24 16.6–.47	38.47N–.02	25.95E–.03	9–3	3.3		
ISK	X	16 06 24 16.8	38.47N	25.99E	13	3.4		
DDA	X	16 06 24 17.2	38.49N	26.05E	22–3	3.3		
THE	X	16 06 24 17.8	38.48N	25.98E	9–0	3.2L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=71.0.
ATH Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=169.6.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.4km az=90.0.

ISK	**X**	**16 22 34 29.4**	**40.42N**	**26.00E**	**6**	**2.0L**		
CSEM	X	16 22 34 29.4	40.42N	26.00E	6	2.0L		¶11661360

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.

ISC	**X**	**17 17 44 45.0–1.1**	**39.49N–.03**	**25.94E–.08**	**1–9**		**32**	**1-2**
CSEM	X	17 17 44 44.7–.44	39.48N	25.90E	0–3	2.1L		¶11661375
ISCJB	X	17 17 44 45.2–.88	39.50N–.03	26.02E–.07	10	2.1L		
DDA	X	17 17 44 45.5	39.46N	26.04E	7–7	2.9		
ISK	X	17 17 44 47.7	39.63N	26.03E	11	2.1L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=4.2km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.5km az=170.2.

ISC	**X**	**18 17 15 19.9–.81**	**38.62N–.03**	**24.48E–.04**	**25–6**		**76**	**1-2**
CSEM	X	18 17 15 18.8–.20	38.64N	24.47E	15	2.5L		¶13397427
ATH	X	18 17 15 18.2	38.63N	24.44E	27–1	3.0L		
ISCJB	X	18 17 15 19.9–.74	38.62N–.03	24.48E–.04	29–6	3.0L		
THE	X	18 17 15 20.4	38.67N	24.47E	23–3	2.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=123.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=40.9.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.0km az=7.0.

ISC	**X**	**22 22 26 01.5–1.3**	**38.69N–.03**	**25.89E–.09**	**2–6**		**29**	**0-2**
ISCJB	X	22 22 26 01.9–1.1	38.71N–.03	25.90E–.08	10			¶13397839
ATH	X	22 22 26 01.4	38.75N	25.94E	29–5	3.0		
CSEM	X	22 22 26 02.0–.92	38.62N	25.90E	2	3.0		
DDA	X	22 22 26 04.4	38.71N	26.11E	4–5	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=4.5km az=10.0.
ATH Error ellipse: s-maj=3.3km s-min=7.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=20.0km s-min=11.2km az=114.0.

ISC	**X**	**24 17 28 13.2–.35**	**38.56N–.02**	**26.73E–.03**	**9–4**		**90**	**0-3**
CSEM	X	24 17 28 12.7–.17	38.53N	26.69E	10–0	2.7		¶11661508
DDA	X	24 17 28 12.5	38.54N	26.75E	7–2	2.7		
ISCJB	X	24 17 28 12.6–.37	38.56N–.02	26.73E–.03	5–4	2.7		
ISK	X	24 17 28 12.4	38.55N	26.74E	7	2.9		
ATH	X	24 17 28 12.8	38.56N	26.68E	33–6	3.0		
THE	X	24 17 28 13.3	38.57N	26.71E	22–2	2.9L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=150.8.
ATH Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=245.0.

ISC	**X**	**25 04 46 28.4–.32**	**40.58N–.02**	**24.16E–.02**	**13–2**		**177**	**0-6**
ISCJB	X	25 04 46 27.7–.33	40.58N–.02	24.16E–.02	10–2			¶11749392
THE	X	25 04 46 28.6	40.59N	24.15E	15–0	3.1L		
CSEM	X	25 04 46 28.0–.11	40.58N	24.18E	10	3.1L		
ATH	X	25 04 46 28.2	40.58N	24.12E	28–2	3.7		
SOF	X	25 04 46 28.2	40.64N	24.14E	2	3.0		
BEO	X	25 04 46 31.2–1.1	40.72N	23.81E	0–0	3.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=41.4.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=317.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=121.0.
ATH Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0.

ISC	**X**	**27 20 06 06.4–.31**	**39.42N–.01**	**25.87E–.02**	**10–2**		**260**	**0-8**
ISK	X	27 20 06 04.8	39.40N	25.88E	5	3.7L		¶11661571
ISCJB	X	27 20 06 05.6–.34	39.42N–.01	25.85E–.02	10–2	3.7L		
ATH	X	27 20 06 05.6	39.40N	25.88E	26–0	3.3		
DDA	X	27 20 06 05.6	39.44N	25.87E	33–1	3.5		
CSEM	X	27 20 06 06.3–.08	39.41N	25.87E	10	3.3L		
SOF	X	27 20 06 07.5	39.70N	25.83E	2	3.2		
THE	X	27 20 06 07.1	39.40N	25.84E	11–1	3.3L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=154.3.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=53.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=95.0.

ISC	**X**	**27 20 57 31.4–.43**	**39.45N–.02**	**25.86E–.03**	**6–3**		**129**	**0-4**
DDA	X	27 20 57 31.0	39.44N	25.92E	28–1	3.1		¶11661572
ISK	X	27 20 57 30.7	39.51N	25.92E	5	3.2		
ISCJB	X	27 20 57 31.2–.43	39.45N–.02	25.87E–.03	8–3	3.2		
ATH	X	27 20 57 31.0	39.49N	25.93E	14–2	3.3		
CSEM	X	27 20 57 31.1–.13	39.45N	25.86E	2	2.5L		
THE	X	27 20 57 32.0	39.42N	25.86E	9–1	2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=157.5.
ATH Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=62.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=121.0.

ISC	**X**	**28 03 43 51.6–.57**	**39.40N–.02**	**25.85E–.04**	**7–4**		**91**	**0-4**
CSEM	X	28 03 43 50.7–.17	39.40N	25.79E	4–0	3.1		¶11661574
ISK	X	28 03 43 50.7	39.44N	25.83E	5	3.3		
ISCJB	X	28 03 43 51.2–.58	39.41N–.02	25.85E–.04	8–4	3.3		
DDA	X	28 03 43 51.9	39.42N	26.01E	7–5	3.1		
ATH	X	28 03 43 51.0	39.46N	25.94E	28–4	3.1		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.3km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=163.1.
ATH Error ellipse: s-maj=8.3km s-min=7.3km az=-1.0.

ATH	**X**	**28 06 22 26.5**	**39.43N**	**25.87E**	**5–1**	**2.8**		
CSEM	X	28 06 22 26.5	39.43N	25.87E	5	2.8		¶15028015

ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**X**	**28 12 01 33.0–.65**	**38.87N–.03**	**26.59E–.05**	**10–5**		**45**	**0-2**
ISK	X	28 12 01 31.8	38.89N	26.65E	4	2.9		¶11661579
ISCJB	X	28 12 01 32.6–.65	38.87N–.03	26.60E–.06	5–7	2.9		
CSEM	X	28 12 01 32.3–.23	38.86N	26.56E	10	2.8		
DDA	X	28 12 01 33.1	38.87N	26.65E	5–0	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.2km az=155.3.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.0km az=72.0.

ISC	**X**	**28 16 37 46.2–.43**	**39.46N–.02**	**25.90E–.04**	**11–4**		**70**	**0-3**
ATH	X	28 16 37 45.8	39.52N	25.99E	5–2	3.0		¶11661587
ISK	X	28 16 37 45.1	39.46N	25.90E	9	2.9L		
CSEM	X	28 16 37 45.9–.15	39.46N	25.91E	10	2.3L		
ISCJB	X	28 16 37 45.6–.44	39.45N–.02	25.90E–.04	10–4	2.3L		
DDA	X	28 16 37 46.5	39.43N	25.97E	6–2	2.9		
THE	X	28 16 37 46.4	39.44N	25.89E	5–1	2.3L		

ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=159.3.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=204.0.

ISC	**X**	**30 00 23 10.0–.73**	**39.02N–.03**	**25.54E–.05**	**13–4**		**56**	**0-3**
ISK	X	30 00 23 07.6	39.15N	25.18E	11	3.2		¶11661607
ISCJB	X	30 00 23 09.4–.69	39.01N–.03	25.54E–.05	12–4	3.2		
CSEM	X	30 00 23 09.7–.37	39.02N	25.54E	10	2.3L		
THE	X	30 00 23 09.9	39.01N	25.55E	5–3	2.3L		

DDA X 30 00 23 10.0 38.99N 25.55E 4–0 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=168.4.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=6.5km az=68.0.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=0.6km az=78.0.
ISC X 30 03 56 38.4–.48 39.43N–.02 25.87E–.05 17–4 53 0-2
ISK X 30 03 56 37.5 39.44N 25.88E 14 2.8 **¶11661612**
DDA X 30 03 56 37.4 39.38N 25.92E 7–3 3.0
ATH X 30 03 56 37.5 39.46N 25.94E 28–1 2.8
THE X 30 03 56 38.8 39.45N 25.88E 2–6 2.0L
CSEM X 30 03 56 38.2–.27 39.44N 25.85E 19–0 2.8
ISCJB X 30 03 56 38.6–.49 39.43N–.03 25.89E–.06 18–7 2.8
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 30 06 55 59.9–.56 40.29N–.03 25.79E–.04 9–4 50 0-2
ISK X 30 06 55 58.8 40.27N 25.77E 8 2.7 **¶11661615**
ISCJB X 30 06 55 59.4–.57 40.30N–.03 25.79E–.04 6–5 2.7
CSEM X 30 06 55 59.6–.28 40.27N 25.79E 12 2.7
DDA X 30 06 56 00.6 40.29N 25.92E 6–5 2.9
THE X 30 06 56 00.3 40.30N 25.73E 4–16 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=11.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.9km az=101.0.
THE Event type ke. Error ellipse: s-maj=16.9km s-min=0.4km az=127.0.
ISC X 30 09 45 32.7–.42 38.18N–.02 26.71E–.03 6–4 77 0-3
CSEM X 30 09 45 32.9–.20 38.17N 26.71E 2 2.9 **¶11661617**
ISCJB X 30 09 45 32.3–.50 38.16N–.02 26.70E–.03 8–4 2.9
DDA X 30 09 45 32.5 38.20N 26.73E 7–3 2.9
ATH X 30 09 45 32.1 38.16N 26.69E 32–0 3.3
ISK X 30 09 45 32.1 38.12N 26.80E 6 3.0
THE X 30 09 45 34.9 38.26N 26.62E 12–1 2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=147.2.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=277.0.
ISC X 30 12 25 52.8–.41 40.27N–.03 25.84E–.04 13–4 57 0-2
ISCJB X 30 12 25 52.5–.41 40.28N–.02 25.84E–.04 10–4 **¶11661622**
CSEM X 30 12 25 52.7–.16 40.28N 25.83E 12 2.6
ATH X 30 12 25 52.6 40.28N 25.74E 29–1 2.7
THE X 30 12 25 53.5 40.29N 25.74E 11–1 1.9L
ISK X 30 12 25 53.4 40.27N 25.96E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=20.4.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=121.0.
ATH Error ellipse: s-maj=0.9km s-min=1.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=107.0.
ISC X 30 12 26 15.4–.35 40.29N–.02 25.75E–.03 13–3 90 0-3
ISCJB X 30 12 26 15.0–.35 40.28N–.02 25.76E–.03 11–3 **¶11661623**
DDA X 30 12 26 14.7 40.39N 26.02E 8–8 3.0
CSEM X 30 12 26 15.2–.10 40.29N 25.76E 12 2.7L
ISK X 30 12 26 15.4 40.28N 25.83E 13 2.7L
THE X 30 12 26 15.6 40.28N 25.77E 11–1 2.7L
ATH X 30 12 26 15.1 40.27N 25.75E 31–0 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=149.6.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=42.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=65.0.
ATH Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0.
ISC X 30 20 55 59.8–.34 40.07N–.01 24.14E–.02 10–2 277 0-8
SOF X 30 20 55 56.5 40.01N 24.21E 2 2.9 **¶11661633**
ISCJB X 30 20 55 58.8–.34 40.07N–.01 24.15E–.02 9–3 2.9
CSEM X 30 20 55 59.6–.07 40.06N 24.14E 10 3.3L
ISK X 30 20 55 59.1 40.06N 24.19E 16 3.6L
THE X 30 20 55 59.9 40.08N 24.11E 7–1 3.3L
ATH X 30 20 55 59.5 40.09N 24.13E 30–0 3.0L
SKO X 30 20 56 00.1 39.99N 24.03E 0 3.3L,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=169.7.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=171.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=298.0.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
ISC X 31 00 38 13.5–.48 39.31N–.02 25.50E–.03 11–3 112 0-3
ISK X 31 00 38 12.5 39.41N 25.40E 9 3.3 **¶11661637**
ISCJB X 31 00 38 13.0–.47 39.32N–.02 25.51E–.03 9–3 3.3
ATH X 31 00 38 13.7 39.34N 25.57E 28–1 3.5
CSEM X 31 00 38 13.2–.17 39.32N 25.50E 10 2.3L
DDA X 31 00 38 13.7 39.34N 25.51E 27–0 3.1
THE X 31 00 38 13.4 39.30N 25.49E 8–1 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=44.9.
ATH Error ellipse: s-maj=1.6km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=36.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=88.0.
ISC X 31 20 04 54.5–.64 39.15N–.03 25.86E–.05 10–4 32 0-2
DDA X 31 20 04 53.3 39.15N 25.82E 7–6 2.8 **¶13567150**
ISCJB X 31 20 04 54.4–.69 39.15N–.03 25.87E–.05 10–4 2.8
CSEM X 31 20 04 54.3–.24 39.13N 25.85E 8 1.9L
THE X 31 20 04 54.7 39.14N 25.86E 8–0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=67.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=72.0.
ISC X 31 21 33 40.1–.57 39.10N–.03 25.96E–.06 7–5 30 0-2
ISCJB X 31 21 33 39.6–.62 39.10N–.03 25.96E–.05 6–5 **¶13567153**
CSEM X 31 21 33 39.6–.16 39.10N 25.96E 5 1.4L
DDA X 31 21 33 39.9 39.13N 26.02E 6–6 2.8
THE X 31 21 33 39.8 39.10N 25.96E 2–1 1.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.3km az=161.7.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=70.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=205.0.
ISC XI 02 09 26 02.5–.43 40.23N–.02 25.20E–.03 12–3 99 0-4
ISCJB XI 02 09 26 01.3–.67 40.22N–.02 25.20E–.03 3–5 **¶12071973**
ATH XI 02 09 26 01.5 40.21N 25.16E 26–2 3.1
CSEM XI 02 09 26 02.4–.16 40.23N 25.23E 10 2.9
DDA XI 02 09 26 03.5 40.28N 25.37E 7–3 2.9
THE XI 02 09 26 03.3 40.21N 25.21E 16–2 2.7L
SOF XI 02 09 26 03.8 40.37N 24.99E 5 2.7
ISK XI 02 09 26 06.7 40.26N 25.63E 19 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=12.9.
ATH Error ellipse: s-maj=1.7km s-min=2.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=12.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=136.0.
ISC XI 02 10 21 29.3–.43 40.23N–.03 25.25E–.03 12–4 58 0-2
ATH XI 02 10 21 28.4 40.22N 25.20E 25–1 3.0 **¶12071976**
CSEM XI 02 10 21 29.6–.21 40.23N 25.28E 19–0 2.8
ISCJB XI 02 10 21 29.7–.44 40.21N–.03 25.24E–.03 16–6 2.8
THE XI 02 10 21 29.6 40.23N 25.22E 2–2 2.3L
DDA XI 02 10 21 30.4 40.30N 25.43E 6–3 2.8
ISK XI 02 10 21 32.8 40.24N 25.59E 13 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=19.9.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=126.0.
ISC XI 02 10 34 25.0–.82 38.87N–.04 26.07E–.07 4–10 24 0-1
ISCJB XI 02 10 34 24.7–.83 38.86N–.04 26.07E–.06 6–7 **¶13567167**
DDA XI 02 10 34 24.6 38.88N 26.07E 12–3 2.9
CSEM XI 02 10 34 25.0–.24 38.86N 26.08E 5 2.3L
THE XI 02 10 34 25.5 38.88N 26.05E 11–1 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.6km az=141.3.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.1km az=72.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=77.0.
ISC XI 02 11 07 33.4–.60 40.24N–.03 25.19E–.04 13–5 35 0-3
ATH XI 02 11 07 32.3 40.23N 25.17E 23–2 2.9 **¶13399002**
ISCJB XI 02 11 07 33.6–1.0 40.22N–.03 25.18E–.04 14–7 2.9
CSEM XI 02 11 07 33.5–.25 40.20N 25.24E 20 2.9
THE XI 02 11 07 34.0 40.22N 25.26E 7–18 2.2L
DDA XI 02 11 07 35.4 40.29N 25.53E 5–2 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.1km az=43.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=6.1km az=73.0.
THE Event type ke. Error ellipse: s-maj=18.7km s-min=0.6km az=158.0.
ISC XI 02 14 42 53.2–.43 39.40N–.02 25.87E–.04 12–3 92 0-2
ATH XI 02 14 42 52.5 39.41N 25.91E 28–1 2.9 **¶12071993**
DDA XI 02 14 42 52.4 39.40N 25.89E 34–1 2.9
ISCJB XI 02 14 42 52.7–.48 39.41N–.02 25.86E–.03 11–3 2.9
THE XI 02 14 42 53.5 39.39N 25.87E 2–2 2.6L
CSEM XI 02 14 42 53.0–.14 39.40N 25.87E 10 2.6L
ISK XI 02 14 42 54.3 39.50N 25.96E 12 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=167.8.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.4km az=213.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=75.0.
ISC XI 03 02 30 03.1–.56 39.16N–.03 25.84E–.07 9–6 32 0-2
CSEM XI 03 02 30 02.9–.21 39.18N 25.86E 8 1.7L **¶13399061**
THE XI 03 02 30 02.9 39.14N 25.83E 9–1 1.7L
ISCJB XI 03 02 30 03.4–.68 39.16N–.04 25.88E–.05 10–4 1.7L
ATH XI 03 02 30 03.2 39.15N 25.86E 11–0 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.6km az=65.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.0km az=139.4.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
ISC XI 03 02 48 18.2–.43 38.18N–.02 26.66E–.03 12–3 121 0-3
ISK XI 03 02 48 15.5 38.17N 26.60E 5 3.3 **¶12072064**
ATH XI 03 02 48 17.2 38.15N 26.76E 37–2 3.4
ISCJB XI 03 02 48 17.6–.53 38.17N–.02 26.64E–.03 11–4 3.4
DDA XI 03 02 48 18.1 38.20N 26.75E 7–3 3.2
CSEM XI 03 02 48 18.3–.14 38.16N 26.67E 15 3.2
THE XI 03 02 48 19.2 38.16N 26.65E 17–1 2.9L
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=2.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=153.4.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=64.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=267.0.
ISC XI 03 12 10 44.5–.42 40.22N–.02 25.22E–.02 13–3 125 0-4
SOF XI 03 12 10 40.2 40.13N 25.48E 10 2.6 **¶12072123**
ISCJB XI 03 12 10 43.2–.52 40.22N–.02 25.19E–.02 4–4 2.6
ATH XI 03 12 10 43.6 40.23N 25.18E 26–1 3.2
CSEM XI 03 12 10 44.5–.12 40.22N 25.22E 15 2.9L
THE XI 03 12 10 45.0 40.18N 25.27E 21–1 2.9L
ISK XI 03 12 10 46.5 40.25N 25.42E 7 3.0
DDA XI 03 12 10 48.1 40.30N 25.67E 8–7 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=16.2.
ATH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=7.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=121.0.
ISC XI 03 13 15 33.7–.49 40.24N–.03 25.24E–.03 13–4 80 0-3
ATH XI 03 13 15 33.0 40.22N 25.21E 24–2 3.2 **¶12072128**
ISCJB XI 03 13 15 34.2–.39 40.21N–.03 25.24E–.03 22–5 3.2
THE XI 03 13 15 34.4 40.18N 25.25E 23–2 2.6L
ISK XI 03 13 15 34.4 40.24N 25.37E 7 3.0
DDA XI 03 13 15 34.6 40.37N 25.46E 7–7 3.1
CSEM XI 03 13 15 34.1–.21 40.21N 25.25E 20 2.6L
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=2.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=0.4.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=152.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=178.0.
ISC XI 06 10 51 48.1–.61 40.23N–.04 25.26E–.05 16–5 46 0-2
ISK XI 06 10 51 46.1 40.28N 25.15E 21 2.9 **¶12072520**
ISCJB XI 06 10 51 47.6–.67 40.24N–.03 25.27E–.04 8–6 2.9
CSEM XI 06 10 51 47.9–.26 40.23N 25.27E 15 1.8L
THE XI 06 10 51 48.3 40.24N 25.24E 3–18 1.8L
DDA XI 06 10 51 49.5 40.35N 25.47E 7–3 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=5.5km az=143.4.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.9km az=33.0.
THE Event type ke. Error ellipse: s-maj=18.6km s-min=0.5km az=181.0.
ISC XI 06 20 43 27.4–.39 39.42N–.02 25.89E–.02 9–3 245 0-8
ISK XI 06 20 43 23.8 39.40N 25.77E 5 3.9,3.7L **¶12072576**
ISCJB XI 06 20 43 26.5–.45 39.43N–.01 25.87E–.02 9–3 3.9,3.7L
ATH XI 06 20 43 26.6 39.42N 25.91E 27–0 3.5,3.7L
THE XI 06 20 43 27.1 39.45N 25.89E 0–1 3.3L,3.7L
CSEM XI 06 20 43 27.4–.09 39.41N 25.88E 10 3.3L,3.7L
DDA XI 06 20 43 28.1 39.42N 25.90E 11–2 3.2,3.7L
SOF XI 06 20 43 31.5 39.83N 25.92E 14 3.1,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=161.7.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=68.0.
ISC XI 06 20 52 26.2–.35 39.41N–.01 25.87E–.02 11–2 3.4b 337 0-41
NEIC XI 06 20 52 22.0 39.37N 25.80E 5 3.7L **¶12072578**
ISK XI 06 20 52 23.4 39.39N 25.81E 4 3.7L
IDC XI 06 20 52 24.7–1.3 39.37N 25.80E 0 3.7,3.6L
ATH XI 06 20 52 25.6 39.42N 25.93E 26–1 3.3L,3.6L
ISCJB XI 06 20 52 25.4–.40 39.42N–.01 25.87E–.02 12–3 3.4b,3.6L
CSEM XI 06 20 52 26.0–.07 39.40N 25.87E 10 3.6L,3.6L
THE XI 06 20 52 26.3 39.42N 25.88E 10–1 3.6L,3.6L
DDA XI 06 20 52 28.6 39.42N 26.02E 20–2 3.6,3.6L
SOF XI 06 20 52 33.8 40.20N 26.00E 2 3.5,3.6L
ISC Event type ke.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=20.0km s-min=15.2km az=80.0.
ATH Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=144.6.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=42.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=112.0.
ISC XI 06 21 36 18.2–.58 40.07N–.02 24.15E–.04 13–4 54 0-2
ISCJB XI 06 21 36 18.2–.70 40.06N–.02 24.14E–.04 12–5 **¶13399446**
CSEM XI 06 21 36 18.2–.13 40.06N 24.13E 10 2.1L
THE XI 06 21 36 18.7 40.08N 24.12E 2–4 2.1L
ATH XI 06 21 36 18.0 40.09N 24.15E 32–7 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=2.2.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=89.0.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=0.7km az=198.0.
ATH Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0.
ISC XI 06 22 41 56.8–.39 39.43N–.02 25.88E–.03 11–3 170 0-7
ISK XI 06 22 41 54.4 39.41N 25.90E 5 3.3 **¶12072586**
ATH XI 06 22 41 55.9 39.44N 25.92E 25–0 3.5
DDA XI 06 22 41 55.5 39.44N 25.89E 27–1 3.1

THE XI 06 22 41 56.8 39.42N 25.86E 13–1 3.2L
CSEM XI 06 22 41 56.7–.09 39.42N 25.89E 10 3.2L
ISCJB XI 06 22 41 56.1–.44 39.44N–.02 25.86E–.02 11–3 3.2L
SOF XI 06 22 41 58.5 39.72N 25.93E 10 2.7
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=210.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=158.0.
ISC XI 07 06 19 47.7–.59 39.46N–.03 23.79E–.07 26–5 39 0-1
ATH XI 07 06 19 45.7 39.47N 23.87E 27–2 2.9 **¶13399474**
ISCJB XI 07 06 19 47.5–.59 39.46N–.03 23.79E–.07 27–5 2.9
CSEM XI 07 06 19 47.2–.28 39.46N 23.82E 24–3 2.1L
THE XI 07 06 19 48.0 39.47N 23.72E 17–0 2.1L
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.8km az=17.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.7km az=113.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=117.0.
ISC XI 07 07 09 50.4–.51 39.86N–.03 25.63E–.04 9–4 54 0-2
ISCJB XI 07 07 09 50.0–.52 39.86N–.03 25.64E–.04 5–5 **¶12072634**
ISK XI 07 07 09 50.1 39.83N 25.72E 7 2.8
THE XI 07 07 09 50.3 39.85N 25.64E 7–3 2.2L
CSEM XI 07 07 09 50.3–.18 39.86N 25.64E 8 2.2L
DDA XI 07 07 09 52.1 39.87N 25.79E 8–3 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=157.2.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.6km az=228.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=80.0.
ISC XI 09 20 56 47.5–.46 39.89N–.02 23.76E–.04 10–3 84 0-2
ISCJB XI 09 20 56 47.1–.45 39.89N–.02 23.75E–.04 8–3 **¶13399685**
CSEM XI 09 20 56 47.9–.18 39.90N 23.76E 18–0 2.3L
THE XI 09 20 56 47.8 39.91N 23.77E 2–1 2.3L
ATH XI 09 20 56 47.0 39.88N 23.75E 28–1 3.2
SKO XI 09 20 56 49.1 39.92N 23.73E 20 2.0L,1.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=6.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=95.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=179.0.
ATH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
ISC XI 11 01 30 01.2–.42 39.46N–.02 25.84E–.03 8–3 109 0-3
CSEM XI 11 01 30 00.8–.11 39.46N 25.83E 5 2.4L **¶12073127**
ISCJB XI 11 01 30 00.6–.43 39.46N–.02 25.83E–.03 7–3 2.4L
ATH XI 11 01 30 00.9 39.45N 25.93E 23–0 3.1
ISK XI 11 01 30 01.6 39.56N 25.96E 5 3.1
DDA XI 11 01 30 01.5 39.46N 25.93E 7–2 3.0
THE XI 11 01 30 01.8 39.42N 25.86E 15–1 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=169.3.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=111.0.
ISC XI 14 02 20 57.4–.46 39.46N–.02 25.90E–.04 8–4 70 0-2
DDA XI 14 02 20 54.6 39.41N 25.81E 28–2 2.8 **¶12073479**
ISCJB XI 14 02 20 57.0–.48 39.46N–.02 25.90E–.04 6–4 2.8
CSEM XI 14 02 20 57.0–.24 39.48N 25.91E 2 2.5L
THE XI 14 02 20 57.7 39.43N 25.88E 10–1 2.5L
ISK XI 14 02 20 59.4 39.61N 26.02E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=165.2.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=65.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=216.0.
ISC XI 15 06 49 15.1–1.7 38.50N–.04 25.39E–.09 7–8 25 1-2
CSEM XI 15 06 49 14.5–.86 38.48N 25.32E 2 2.8 **¶13400227**
ISCJB XI 15 06 49 15.4–1.2 38.46N–.04 25.45E–.08 10 2.8
ATH XI 15 06 49 15.9 38.53N 25.26E 45 3.3
DDA XI 15 06 49 15.1 38.52N 25.45E 5–4 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=18.0km s-min=8.8km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.4km az=170.9.
ATH Error ellipse: s-maj=2.8km s-min=5.9km az=-1.0.
ISC XI 16 08 28 47.2–.43 38.75N–.02 26.31E–.04 9–3 116 0-3
ISK XI 16 08 28 45.5 38.72N 26.28E 6 3.3 **¶12073721**
ISCJB XI 16 08 28 46.4–.44 38.75N–.02 26.30E–.04 6–3 3.3
CSEM XI 16 08 28 46.1–.15 38.73N 26.26E 5 3.5
DDA XI 16 08 28 46.2 38.75N 26.29E 35–1 3.2
ATH XI 16 08 28 46.9 38.78N 26.29E 27–0 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.6km az=163.7.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=75.0.
ATH Error ellipse: s-maj=0.5km s-min=1.3km az=-1.0.
ISC XI 17 01 52 05.4–.56 38.87N–.02 26.03E–.05 8–4 58 0-2
DDA XI 17 01 52 03.3 38.87N 25.99E 7–4 3.0 **¶12073809**
ISK XI 17 01 52 04.1 38.89N 26.04E 3 3.0
ISCJB XI 17 01 52 05.2–.55 38.87N–.02 26.07E–.05 11–4 3.0
CSEM XI 17 01 52 05.4–.21 38.87N 26.08E 10 1.6L
THE XI 17 01 52 05.8 38.88N 26.04E 13–1 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.6km az=160.9.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=70.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=89.0.
ISC XI 18 02 32 23.7–.53 38.15N–.03 26.69E–.03 8–4 62 0-2
ATH XI 18 02 32 21.9 38.13N 26.78E 24–6 3.1 **¶12073956**
ISCJB XI 18 02 32 23.3–.54 38.15N–.02 26.69E–.03 6–4 3.1
CSEM XI 18 02 32 23.3–.18 38.15N 26.67E 5 2.8
DDA XI 18 02 32 23.0 38.16N 26.63E 9–0 2.8
ISK XI 18 02 32 23.3 38.13N 26.74E 5 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=5.0km s-min=3.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=151.4.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=81.0.
ISC XI 18 16 10 17.1–.63 40.39N–.03 25.99E–.07 12–4 39 0-3
ISCJB XI 18 16 10 16.8–.60 40.39N–.03 26.00E–.06 14–4 **¶12074019**
CSEM XI 18 16 10 16.9–.14 40.39N 25.97E 15 2.6
ISK XI 18 16 10 16.4 40.39N 25.97E 15 2.6
DDA XI 18 16 10 22.3 39.91N 26.43E 7–15 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.3km az=24.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=109.0.
ISC XI 18 20 11 00.4–.39 38.38N–.02 26.99E–.03 9–3 74 0-3
ISCJB XI 18 20 10 59.6–.45 38.38N–.02 26.98E–.03 3–4 **¶12074047**
DDA XI 18 20 10 59.7 38.41N 26.99E 18–1 3.1
CSEM XI 18 20 11 00.0–.25 38.35N 26.99E 5 3.1
ISK XI 18 20 11 02.0 38.28N 27.28E 13 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=156.3.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=87.0.
ISC XI 18 22 45 46.3–.47 38.39N–.03 26.99E–.04 11–3 48 0-2
DDA XI 18 22 45 45.8 38.41N 27.01E 7–6 2.7 **¶12074063**
ISK XI 18 22 45 45.5 38.35N 26.98E 5 2.8
ISCJB XI 18 22 45 46.0–.54 38.39N–.03 26.99E–.04 8–4 2.8
CSEM XI 18 22 45 46.0–.18 38.40N 26.98E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=158.9.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=93.0.
ISC XI 19 06 07 30.1–.45 38.35N–.02 26.99E–.04 11–3 68 0-2
ISCJB XI 19 06 07 29.7–.51 38.35N–.02 26.99E–.03 10–3 **¶12074113**
DDA XI 19 06 07 29.4 38.40N 26.98E 15–2 3.0
ISK XI 19 06 07 29.0 38.31N 26.99E 6 3.0
CSEM XI 19 06 07 29.8–.17 38.33N 26.99E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=15.4.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=97.0.
ISC XI 19 22 08 35.0–1.1 39.43N–.03 25.86E–.08 3–5 49 0-2
ISCJB XI 19 22 08 34.7–1.1 39.45N–.03 25.86E–.07 1–6 **¶12074193**
CSEM XI 19 22 08 34.7–.58 39.43N 25.84E 2 2.8
DDA XI 19 22 08 36.2 39.46N 25.97E 7–2 2.6
ISK XI 19 22 08 36.9 39.58N 26.00E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.2km az=168.8.
CSEM Event type ke. Error ellipse: s-maj=12.1km s-min=5.8km az=75.0.
THE XI 20 07 11 33.7 39.32N 23.52E 2–15 1.7L
¶15525781
THE Event type ke. Error ellipse: s-maj=15.3km s-min=0.4km az=269.0.
ISC XI 22 21 23 17.1–.53 38.22N–.03 26.59E–.04 10–4 53 0-3
ISK XI 22 21 23 15.7 38.17N 26.62E 2 2.9 **¶12074537**
ISCJB XI 22 21 23 16.7–.52 38.22N–.03 26.58E–.04 9–4 2.9
CSEM XI 22 21 23 16.3–.26 38.21N 26.57E 5 3.1
ATH XI 22 21 23 16.6 38.23N 26.54E 27–1 2.9
DDA XI 22 21 23 18.0 38.35N 26.68E 5–6 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=139.5.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=5.4km az=33.0.
ATH Error ellipse: s-maj=1.3km s-min=2.2km az=-1.0.
ISC XI 23 01 25 08.1–.35 39.70N–.02 25.09E–.02 14–2 153 0-4
ISK XI 23 01 25 04.2 39.69N 24.88E 8 3.5 **¶12074548**
THE XI 23 01 25 07.4 39.73N 25.11E 3–1 2.7L
ISCJB XI 23 01 25 07.2–.35 39.69N–.02 25.09E–.02 12–3 2.7L
ATH XI 23 01 25 07.2 39.73N 25.10E 26–1 3.3,3.1L
CSEM XI 23 01 25 08.5–.11 39.70N 25.10E 19–0 3.3,3.1L
DDA XI 23 01 25 09.6 39.76N 25.31E 8–5 3.6,3.1L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=202.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=5.9.
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
CSEM Event type ke.
ISC XI 24 23 30 09.5–.82 38.15N–.03 26.53E–.05 2–5 71 0-3
ISCJB XI 24 23 30 09.2–.83 38.15N–.03 26.54E–.05 2–5 **¶12074743**
CSEM XI 24 23 30 09.3–.21 38.14N 26.54E 2 3.0
ISK XI 24 23 30 09.5 38.14N 26.60E 9 3.0
DDA XI 24 23 30 10.7 38.21N 26.65E 5–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=164.1.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=76.0.
ISC XI 25 19 34 13.8–.58 38.15N–.02 26.53E–.04 1–5 50 0-3
ISCJB XI 25 19 34 13.3–.61 38.15N–.02 26.52E–.04 2–5 **¶13401104**
CSEM XI 25 19 34 13.0–.28 38.16N 26.51E 2 2.7
DDA XI 25 19 34 13.4 38.18N 26.58E 4–3 2.7
ATH XI 25 19 34 13.3 38.15N 26.53E 29–0 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=158.3.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.1km az=56.0.
ATH Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
ISC XI 26 00 38 14.1–3.4 38.2N–.20 26.5E–.20 10 12 0-1
CSEM XI 26 00 38 14.0–99 38.39N 26.42E 10 3.2L **¶14011914**
DDA XI 26 00 38 14.5 38.25N 26.49E 7–4 3.2L,3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0.
ISC XI 28 05 24 39.8–.53 39.33N–.03 25.52E–.04 15–3 78 0-3
ISK XI 28 05 24 38.4 39.33N 25.50E 13 3.1 **¶12075114**
ISCJB XI 28 05 24 39.3–.52 39.34N–.02 25.53E–.03 13–3 3.1
CSEM XI 28 05 24 39.8–.11 39.34N 25.52E 15 2.7L
THE XI 28 05 24 40.1 39.34N 25.54E 14–1 2.7L
DDA XI 28 05 24 42.8 39.42N 25.87E 7–7 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=144.9.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=47.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=65.0.
ISC XI 28 10 22 41.9–.68 38.19N–.03 26.68E–.05 11–4 47 0-2
ISK XI 28 10 22 40.6 38.32N 26.59E 8 2.8 **¶12075136**
ISCJB XI 28 10 22 41.8–.73 38.19N–.03 26.68E–.05 10–5 2.8
CSEM XI 28 10 22 41.5–.30 38.24N 26.65E 10 2.9
DDA XI 28 10 22 41.8 38.18N 26.75E 7–5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.4km az=162.8.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=5.3km az=87.0.
ISC XI 28 20 39 59.9–.97 39.44N–.03 25.92E–.07 0–5 62 0-3
ISCJB XI 28 20 39 59.7–1.0 39.45N–.03 25.94E–.07 1–6 **¶12075177**
CSEM XI 28 20 39 59.9–.46 39.44N 25.91E 2 2.8
DDA XI 28 20 39 59.3 39.44N 26.00E 7–6 2.7
ISK XI 28 20 40 00.6 39.51N 26.02E 3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.1km az=168.5.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=4.6km az=77.0.
ISC XI 29 08 59 24.9–.70 40.07N–.04 24.13E–.04 15–6 40 0-2
ISCJB XI 29 08 59 24.5–.68 40.08N–.04 24.13E–.04 11–7 **¶13401464**
CSEM XI 29 08 59 24.3–.15 40.05N 24.16E 15 2.3L
ATH XI 29 08 59 24.3 40.02N 24.09E 31–4 3.2
THE XI 29 08 59 25.3 40.08N 24.10E 13–1 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=25.6.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=7.0.
ATH Error ellipse: s-maj=7.4km s-min=5.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=207.0.
ISC XI 30 01 42 50.0–.39 38.86N–.01 25.97E–.02 6–3 318 0-9
ISK XI 30 01 42 47.8 38.87N 25.91E 5 3.8L **¶12075303**
ISCJB XI 30 01 42 48.7–.42 38.87N–.01 25.95E–.02 3–3 3.8L
DDA XI 30 01 42 48.6 38.87N 26.00E 26–1 3.8L
CSEM XI 30 01 42 49.8–.09 38.86N 25.96E 5 3.6L
ATH XI 30 01 42 49.2 38.87N 26.06E 25–1 3.2L
THE XI 30 01 42 50.0 38.86N 26.08E 9–1 3.6L
SOF XI 30 01 42 57.6 39.35N 26.06E 37 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=157.1.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=145.0.
ATH Error ellipse: s-maj=0.6km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=93.0.
ISC XII 01 00 21 21.8–.31 39.44N–.02 25.85E–.03 10 191 0-6
CSEM XII 01 00 21 20.9–.21 39.43N 25.82E 2 2.8L **¶12864869**
ATH XII 01 00 21 20.1 39.44N 25.94E 27–0 3.3
ISCJB XII 01 00 21 21.2–.30 39.44N–.02 25.85E–.03 10 3.3
ISK XII 01 00 21 21.1 39.52N 25.91E 5 3.1
THE XII 01 00 21 21.1 39.43N 25.89E 7–0 2.8L
DDA XII 01 00 21 22.8 39.60N 26.35E 8–8 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=66.0.
ATH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=160.4.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.2km az=158.0.
ISC XII 01 01 06 08.0–.44 39.43N–.02 25.89E–.04 10 99 0-3
ISCJB XII 01 01 06 07.5–.44 39.43N–.02 25.88E–.04 10 **¶12864866**
THE XII 01 01 06 07.2 39.43N 25.89E 6–2 2.1L
DDA XII 01 01 06 07.4 39.47N 25.96E 7–3 2.8
ISK XII 01 01 06 08.4 39.56N 25.98E 5 2.8
CSEM XII 01 01 06 09.2–.75 39.54N 25.94E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=168.2.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.3km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=16.2km s-min=7.6km az=61.0.
ISC XII 01 01 20 33.6–.47 39.45N–.02 25.91E–.04 3–4 108 0-3
DDA XII 01 01 20 30.9 39.43N 25.75E 28–0 2.8 **¶12864865**
ISCJB XII 01 01 20 33.2–.50 39.45N–.02 25.91E–.04 3–4 2.8

THE	XII	01 01 20 33.4	39.43N	25.89E	7–2	2.1L			
CSEM	XII	01 01 20 33.4–.17	39.45N	25.91E	2	2.1L			
ISK	XII	01 01 20 33.5	39.48N	25.92E	6	2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=176.5.								
THE	Event type ke. Error ellipse: s-maj=2.1km s-min=0.3km az=162.0.								
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=84.0.								
ISC	**XII**	**01 01 27 00.7–.44**	**39.43N–.02**	**25.90E–.04**	**10**		**63**	**0-3**	
THE	XII	01 01 26 59.9	39.43N	25.89E	6–2	2.1L			¶12864864
ISCJB	XII	01 01 27 00.1–.44	39.43N–.02	25.90E–.04	10	2.1L			
ISK	XII	01 01 27 00.3	39.49N	25.99E	5	2.8			
CSEM	XII	01 01 27 00.3–.19	39.43N	25.91E	2	2.1L			
DDA	XII	01 01 27 02.8	39.58N	26.16E	8–7	2.8			
ISC	Event type ke.								
THE	Event type ke. Error ellipse: s-maj=2.3km s-min=0.3km az=145.0.								
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=174.8.								
CSEM	Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=79.0.								
ISC	**XII**	**01 09 32 26.9–.45**	**38.73N–.02**	**26.23E–.04**	**13–4**		**104**	**0-3**	
DDA	XII	01 09 32 25.8	38.76N	26.20E	5–6	2.8			¶15119349
ISK	XII	01 09 32 26.3	38.75N	26.27E	12	3.1			
ISCJB	XII	01 09 32 26.5–.45	38.74N–.02	26.25E–.04	12–4	3.1			
THE	XII	01 09 32 26.8	38.74N	26.22E	0–1	2.4L			
ATH	XII	01 09 32 26.5	38.74N	26.25E	23–1	3.3			
CSEM	XII	01 09 32 27.0–.19	38.72N	26.22E	20	2.4L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=170.5.								
THE	Event type ke. Error ellipse: s-maj=2.8km s-min=0.7km az=96.0.								
ATH	Error ellipse: s-maj=0.7km s-min=1.8km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=76.0.								
ISC	**XII**	**01 18 39 18.6–.40**	**39.44N–.02**	**25.88E–.03**	**6–3**		**117**	**0-3**	
DDA	XII	01 18 39 17.1	39.41N	25.89E	7–3	2.9			¶12864849
ISCJB	XII	01 18 39 18.1–.44	39.44N–.02	25.88E–.03	4–3	2.9			
ATH	XII	01 18 39 18.2	39.46N	25.94E	21–0	3.3			
CSEM	XII	01 18 39 18.1–.20	39.43N	25.85E	2	2.4L			
THE	XII	01 18 39 19.0	39.42N	25.86E	8–1	2.4L			
ISK	XII	01 18 39 21.1	39.59N	25.97E	8	3.1			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=174.2.								
ATH	Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=83.0.								
THE	Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=163.0.								
ISC	**XII**	**01 19 35 28.5–.59**	**39.43N–.02**	**25.93E–.06**	**2–6**		**54**	**0-2**	
ISCJB	XII	01 19 35 28.1–.62	39.44N–.02	25.92E–.06	3–5				¶12864847
THE	XII	01 19 35 28.9	39.41N	25.90E	6–3	2.1L			
CSEM	XII	01 19 35 28.4–.19	39.43N	25.91E	2	2.1L			
DDA	XII	01 19 35 28.2	39.44N	25.95E	7–2	2.6			
ISK	XII	01 19 35 30.3	39.56N	25.94E	9	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.8km s-min=3.4km az=6.4.								
THE	Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=324.0.								
CSEM	Event type ke. Error ellipse: s-maj=5.0km s-min=2.3km az=94.0.								
THE	**XII**	**01 21 43 39.5**	**39.42N**	**25.88E**	**3–2**	**1.9L**			
CSEM	XII	01 21 43 39.4–.19	39.42N	25.90E	5	1.9L			¶12864845
DDA	XII	01 21 43 40.5	39.49N	26.15E	7–7	2.8			
ISK	XII	01 21 43 40.4	39.46N	26.12E	2	2.7			
THE	Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=215.0.								
CSEM	Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=83.0.								
ISC	**XII**	**02 06 37 52.7–1.9**	**39.47N–.09**	**25.99E–.09**	**12–8**		**35**	**0-2**	
ISK	XII	02 06 37 51.7	39.47N	26.07E	5	2.7			¶12864898
DDA	XII	02 06 37 52.8	39.53N	26.04E	6–4	2.8			
CSEM	XII	02 06 37 53.2–.72	39.49N	26.02E	10	2.7			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=13.4km s-min=8.7km az=48.0.								
ISC	**XII**	**02 11 57 07.7–.41**	**40.56N–.02**	**24.64E–.02**	**20–5**		**83**	**0-2**	
SOF	XII	02 11 57 06.1	40.58N	24.73E	10	2.6			¶12864883
CSEM	XII	02 11 57 06.9–.13	40.57N	24.66E	10	2.5L			
ISCJB	XII	02 11 57 07.8–.34	40.56N–.02	24.64E–.02	23–4	2.5L			
THE	XII	02 11 57 07.4	40.56N	24.65E	16–1	2.5L			
ATH	XII	02 11 57 07.1	40.58N	24.67E	33	2.9			
ISK	XII	02 11 57 08.3	40.44N	24.79E	10	3.0			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=7.0.								
ISCJB	Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=2.3.								
THE	Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=303.0.								
ATH	Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.								
ISC	**XII**	**05 21 23 09.3–.71**	**38.83N–.03**	**26.70E–.04**	**12–5**		**33**	**0-2**	
ISCJB	XII	05 21 23 09.8–.57	38.81N–.03	26.67E–.05	21–7				¶13402009
ATH	XII	05 21 23 09.9	38.82N	26.59E	31–3	3.2			
DDA	XII	05 21 23 09.1	38.79N	26.75E	17–1	2.8			
CSEM	XII	05 21 23 09.9–.33	38.82N	26.66E	24–3	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=28.9.								
ATH	Error ellipse: s-maj=1.1km s-min=4.0km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=9.8km s-min=6.5km az=114.0.								
ISC	**XII**	**05 22 21 47.9–.68**	**38.81N–.04**	**26.73E–.05**	**13–6**		**25**	**0-2**	
ISCJB	XII	05 22 21 47.8–.91	38.84N–.04	26.64E–.06	22–9				¶13402021
ATH	XII	05 22 21 47.8	38.82N	26.69E	26–6	3.0			
DDA	XII	05 22 21 47.6	38.84N	26.75E	6–6	2.7			
CSEM	XII	05 22 21 48.6–.42	38.89N	26.57E	40	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=6.6km az=178.7.								
ATH	Error ellipse: s-maj=0.7km s-min=2.1km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=13.4km s-min=9.8km az=126.0.								
ISC	**XII**	**06 15 48 39.0–.47**	**38.80N–.02**	**26.39E–.04**	**8–5**		**50**	**0-2**	
ATH	XII	06 15 48 37.7	38.84N	26.15E	35–2	2.8			¶13402089
ISCJB	XII	06 15 48 38.7–.49	38.80N–.02	26.38E–.04	9–4	2.8			
DDA	XII	06 15 48 38.1	38.81N	26.38E	24–1	2.8			
THE	XII	06 15 48 39.5	38.83N	26.36E	6–13	2.1L			
CSEM	XII	06 15 48 39.3–.30	38.80N	26.36E	15–1	2.8			
ISC	Event type ke.								
ATH	Error ellipse: s-maj=1.7km s-min=6.2km az=-1.0.								
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=0.6.								
THE	Event type ke. Error ellipse: s-maj=13.2km s-min=0.3km az=86.0.								
CSEM	Event type ke. Error ellipse: s-maj=8.2km s-min=5.4km az=86.0.								
ISC	**XII**	**11 21 00 28.1–.57**	**39.69N–.02**	**23.83E–.06**	**17–4**		**48**	**0-2**	
ISCJB	XII	11 21 00 28.0–.82	39.69N–.02	23.81E–.06	13–5				¶13402518
CSEM	XII	11 21 00 28.0–.20	39.70N	23.81E	15	2.5L			
ATH	XII	11 21 00 28.4	39.66N	23.77E	37–1	3.2			
THE	XII	11 21 00 28.1	39.70N	23.86E	7–1	2.5L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.9km s-min=4.0km az=7.6.								
CSEM	Event type ke. Error ellipse: s-maj=6.6km s-min=2.9km az=101.0.								
ATH	Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.								
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=244.0.								
ISC	**XII**	**12 17 54 03.4–.30**	**39.47N–.01**	**23.63E–.02**	**14–2**	**3.8b,3.1s**	**447**	**0-73**	
SOF	XII	12 17 53 57.0	39.27N	23.69E	2	3.5,3.1s			¶12077158
IDC	XII	12 17 53 60.0–.78	39.37N	23.56E	0	3.8b,3.8			
NEIC	XII	12 17 54 01.7–2.4	39.41N	23.53E	12–16	4.2b,3.8			
ISCJB	XII	12 17 54 02.4–.31	39.48N–.01	23.68E–.02	12–2	3.8b,3.1s			
ATH	XII	12 17 54 02.1	39.48N	23.72E	28–1	3.9L,3.1s			
THE	XII	12 17 54 03.1	39.48N	23.69E	10–1	4.0L,3.1s			
CSEM	XII	12 17 54 03.4–.08	39.46N	23.62E	15	3.9b,3.1s			
MOS	XII	12 17 54 03.6–1.2	39.48N	23.44E	49	4.0b,3.1s			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=15.2km s-min=13.4km az=108.0.								
NEIC	Event type se. Error ellipse: s-maj=6.4km s-min=5.4km az=49.0.								
ISCJB	Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=30.6.								
ATH	Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.								
THE	Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=214.0.								
CSEM	Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=122.0.								
MOS	Error ellipse: s-maj=12.1km s-min=5.6km az=87.3.								

ISC	**XII**	**13 08 57 35.4–.77**	**38.82N–.04**	**26.31E–.05**	**14–6**		**29**	**0-2**	
ISCJB	XII	13 08 57 34.9–.81	38.81N–.04	26.30E–.05	8–7				¶13567473
DDA	XII	13 08 57 34.7	38.82N	26.33E	7–5	2.9			
CSEM	XII	13 08 57 35.2–.18	38.81N	26.32E	15	2.2L			
THE	XII	13 08 57 35.6	38.86N	26.37E	17–3	2.2L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.9km s-min=6.1km az=30.6.								
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=120.0.								
THE	Event type ke. Error ellipse: s-maj=5.0km s-min=1.6km az=273.0.								
ISC	**XII**	**14 03 51 03.2–1.5**	**38.82N–.04**	**25.93E–.10**	**4–7**		**32**	**1-2**	
DDA	XII	14 03 51 01.6	38.86N	25.91E	7–6	3.1			¶12865141
CSEM	XII	14 03 51 02.9–.64	38.81N	25.93E	2	3.1			
ISK	XII	14 03 51 04.2	38.89N	26.09E	2	2.8			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=13.1km s-min=5.2km az=68.0.								
ISC	**XII**	**14 15 59 00.4–.44**	**38.21N–.02**	**26.73E–.03**	**6–4**		**59**	**0-2**	
ISCJB	XII	14 15 58 59.8–.50	38.21N–.02	26.74E–.04	2–5				¶12865138
ISK	XII	14 15 58 59.4	38.19N	26.77E	2	3.0			
ATH	XII	14 15 58 59.6	38.17N	26.70E	30–7	3.3			
DDA	XII	14 15 58 59.4	38.20N	26.74E	7–3	2.9			
CSEM	XII	14 15 59 00.5–.28	38.20N	26.72E	14–0	2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=152.1.								
ATH	Error ellipse: s-maj=6.5km s-min=7.1km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=7.3km s-min=5.5km az=76.0.								
ISC	**XII**	**15 11 13 49.8–1.7**	**39.46N–.05**	**25.8E–.20**	**18–7**		**24**	**0-2**	
ISK	XII	15 11 13 49.6	39.47N	25.83E	15	2.8			¶12865159
CSEM	XII	15 11 13 49.7–.74	39.47N	25.74E	20	2.8			
DDA	XII	15 11 13 50.0	39.45N	25.93E	7–7	3.1			
ISCJB	XII	15 11 13 50.2–1.6	39.46N–.04	25.7E–.20	28–9	3.1			
ISC	Event type ke.								
CSEM	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**20 07 48 09.0–.50**	**40.15N–.04**	**25.10E–.03**	**15–5**		**54**	**0-2**	
ISCJB	XII	20 07 48 08.7–.61	40.16N–.04	25.12E–.03	10–5				¶12865246
CSEM	XII	20 07 48 08.9–.17	40.14N	25.10E	15	2.2L			
ISK	XII	20 07 48 08.4	40.14N	25.13E	13	2.9			
THE	XII	20 07 48 09.1	40.18N	25.09E	7–1	2.2L			
DDA	XII	20 07 48 09.5	40.40N	25.40E	7–5	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.0km s-min=4.0km az=2.7.								
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=5.0.								
THE	Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=138.0.								
ISC	**XII**	**20 18 43 48.3–.35**	**38.84N–.02**	**26.89E–.03**	**12–3**		**109**	**0-3**	
ISCJB	XII	20 18 43 47.6–.37	38.85N–.02	26.90E–.03	8–4				¶12865241
DDA	XII	20 18 43 47.6	38.84N	26.92E	9–6	3.0			
ISK	XII	20 18 43 47.4	38.86N	26.88E	11	3.2			
ATH	XII	20 18 43 47.6	38.86N	26.93E	5–2	3.1			
CSEM	XII	20 18 43 48.0–.13	38.84N	26.88E	10	3.2			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=1.1.								
ATH	Error ellipse: s-maj=0.7km s-min=1.3km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=95.0.								
ISC	**XII**	**21 09 28 00.5–1.3**	**40.61N–.07**	**24.02E–.06**	**28–14**		**23**	**0-5**	
ISCJB	XII	21 09 27 60.0–3.1	40.57N–.06	24.03E–.06	29–32				¶13403568
ATH	XII	21 09 27 59.7	40.63N	24.02E	37–6	3.4			
CSEM	XII	21 09 28 00.8–.38	40.68N	23.92E	38–2	3.4			
SKO	XII	21 09 28 01.4	40.64N	23.95E	0	3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=10.3km s-min=6.7km az=163.7.								
ATH	Error ellipse: s-maj=1.9km s-min=3.7km az=-1.0.								
CSEM	Event type ke. Error ellipse: s-maj=11.9km s-min=9.2km az=173.0.								
ISC	**XII**	**22 04 37 08.3–2.9**	**38.20N–.08**	**26.5E–.20**	**1–10**		**16**	**0-2**	
ISK	XII	22 04 37 08.9	38.47N	26.63E	5	2.6			¶12865278
CSEM	XII	22 04 37 08.2–.14	38.19N	26.54E	0–0	2.6			
DDA	XII	22 04 37 09.2	38.24N	26.64E	7–4	2.8			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=97.0.								
ISC	**XII**	**23 20 00 38.2–.44**	**40.27N–.02**	**25.47E–.04**	**8–4**		**89**	**0-3**	
ISK	XII	23 20 00 37.9	40.25N	25.61E	5	3.1			¶12865286
ISCJB	XII	23 20 00 37.7–.54	40.29N–.02	25.48E–.04	5–4	3.1			
DDA	XII	23 20 00 37.6	40.29N	25.58E	2–3	3.4			
ATH	XII	23 20 00 37.3	40.28N	25.43E	27–0	3.1			
THE	XII	23 20 00 38.3	40.27N	25.48E	9–1	2.4L			
CSEM	XII	23 20 00 38.0–.22	40.28N	25.45E	10	3.1			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=167.1.								
ATH	Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.								
THE	Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=304.0.								
CSEM	Event type ke. Error ellipse: s-maj=4.6km s-min=4.3km az=70.0.								
ISC	**XII**	**23 21 47 50.9–.58**	**40.26N–.03**	**25.35E–.04**	**10**		**41**	**0-2**	
ISCJB	XII	23 21 47 50.3–.58	40.27N–.03	25.37E–.04	10				¶12865284
CSEM	XII	23 21 47 50.7–.30	40.25N	25.28E	2	3.1			
ATH	XII	23 21 47 51.3	40.19N	25.22E	11–3	3.1			
DDA	XII	23 21 47 52.4	40.22N	25.31E	4–0	3.1			
ISK	XII	23 21 47 53.6	40.29N	25.63E	5	2.3L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=41.1.								
CSEM	Event type ke. Error ellipse: s-maj=6.2km s-min=6.2km az=46.0.								
ATH	Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.								
ISC	**XII**	**27 08 27 02.7–.28**	**40.116N–.01**	**24.05E–.01**	**3–2**	**4.2b,3.6s**	**793**	**0-120**	
SKO	XII	27 08 26 59.9	40.04N	24.21E	0	4.6L,4.2			¶11523420
TIR	XII	27 08 26 59.8–4.5	40.09N	23.83E	0–328	4.3L,4.2			
ISCJB	XII	27 08 27 01.6–.30	40.139N–.01	24.07E–.01	4–2	4.2b,3.6s			
PDG	XII	27 08 27 01.9–1.0	40.13N	24.05E	0–11	4.1L,3.6s			
DDA	XII	27 08 27 01.4	40.37N	24.22E	13–4	3.7,3.6s			
ATH	XII	27 08 27 02.4	40.14N	24.01E	29–0	4.1L,3.6s			
THE	XII	27 08 27 02.8	40.12N	24.05E	3–1	4.4L,3.6s			
NEIC	XII	27 08 27 02.4	40.14N	24.01E	29	4.4b,4.1L			
IDC	XII	27 08 27 02.1–.58	40.15N	24.14E	0	4.2,4.1b			
CSEM	XII	27 08 27 02.3–.07	40.11N	24.03E	2	4.3b,4.1b			
SOF	XII	27 08 27 03.1	40.29N	24.11E	7	3.7,4.1b			
BEO	XII	27 08 27 04.1–.89	40.13N	23.90E	14–4	4.5L,4.1b			
ISK	XII	27 08 27 05.9	39.86N	24.34E	8	4.0L,4.1b			
MOS	XII	27 08 27 05.8–1.3	40.26N	24.08E	33	4.6b,4.1b			
ISC	Event type ke.								
TIR	Error ellipse: s-maj=124.8km s-min=519.5km az=-1.0.								
ISCJB	Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=2.2.								
PDG	Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=90.0.								
ATH	Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.								
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=314.0.								
NEIC	Event type se. After ATH.								
IDC	Error ellipse: s-maj=12.0km s-min=9.8km az=96.0.								
CSEM	Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=34.0.								
MOS	Error ellipse: s-maj=6.9km s-min=3.8km az=91.5.								
ISC	**XII**	**27 20 09 21.0–.27**	**40.121N–.01**	**24.06E–.01**	**8–1**	**4.4b,4.0s**	**932**	**0-120**	
ISCJB	XII	27 20 09 19.8–.32	40.177N–.01	24.07E–.01	9–2	4.4b,4.0s			¶13404181
ATH	XII	27 20 09 19.8	40.15N	24.05E	24–1	4.3L,4.0s			
BJI	XII	27 20 09 19.1	40.44N	23.26E	26	5.3b,5.0s			
IDC	XII	27 20 09 19.5–.58	40.12N	24.00E	0	4.2,4.1b			
PDG	XII	27 20 09 20.9–.64	40.11N	24.04E	15–1	4.2L,4.1b			
CSEM	XII	27 20 09 20.4–.07	40.13N	24.07E	5	4.5b,4.4W			
NEIC	XII	27 20 09 21.0	40.11N	24.03E	3	4.6L,4.5b			
THE	XII	27 20 09 21.0	40.11N	24.03E	3–0	4.5L,4.5b			
SOF	XII	27 20 09 21.0	40.33N	24.07E	5	4.2,4.5b			
MOS	XII	27 20 09 22.5–1.1	40.19N	24.00E	33	4.6b,4.5b			
ISC	Event type fe.								
ISCJB	Event type fe. Error ellipse: s-maj=1.8km s-min=1.6km az=25.9.								
ATH	Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.								
IDC	Error ellipse: s-maj=11.2km s-min=10.7km az=47.0.								
PDG	Event type ke. Error ellipse: s-maj=0.7km s-min=0.7km az=0.0.								

CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=115.0.
NEIC Event type fe. Felt at Atalanti, Sykia and Thessaloniki, Greece. After THE. Moment Tensor Solution. $M_0$4.60000×10^{15}
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=334.0.
MOS Error ellipse: s-maj=5.2km s-min=3.1km az=95.0.
ISC XII 28 12 16 05.6–1.2 38.25N–.04 26.54E–.09 4–11 18 0-2
ISCJB XII 28 12 16 05.3–1.1 38.24N–.04 26.56E–.08 4–10 ¶12865514
ISK XII 28 12 16 05.4 38.20N 26.62E 10 2.7
DDA XII 28 12 16 05.3 38.26N 26.60E 7–2 2.7
CSEM XII 28 12 16 05.9–.22 38.24N 26.58E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=7.2km az=168.4.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=131.0.
ISC XII 28 18 26 24.2–.48 38.27N–.03 26.56E–.04 10–4 57 0-4
ISCJB XII 28 18 26 23.6–.64 38.23N–.03 26.53E–.04 10–4 ¶13404256
DDA XII 28 18 26 23.6 38.26N 26.56E 6–2 2.6
CSEM XII 28 18 26 23.9–.25 38.28N 26.59E 8–2 2.6
ATH XII 28 18 26 23.4 38.24N 26.53E 29–1 3.2
THE XII 28 18 26 25.4 38.48N 25.54E 0–5 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.7km az=151.0.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=60.0.
ATH Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.2km s-min=2.4km az=297.0.
ISC XII 28 22 58 59.4–.28 40.378N–.01 25.793E–.01 8–2 4.9b,4.8s 1801 0-163
SKO XII 28 22 58 46.3 39.74N 26.72E 0 4.9b,4.8s ¶13404281
THE XII 28 22 58 57.3 40.32N 25.99E 0–1 5.1L,4.8s
PDG XII 28 22 58 58.9–.62 40.40N 25.78E 14–1 4.8,4.7L
BEO XII 28 22 58 58.0–.60 40.50N 26.20E 0–0 5.6L,4.7L
ISCJB XII 28 22 58 58.3–.28 40.417N–.01 25.776E–.01 12–2 4.9b,4.8s
ISK XII 28 22 58 58.3 40.41N 25.81E 9 5.2L,4.8s
BJI XII 28 22 58 58.1 40.25N 25.94E 6 5.2b,5.1s
IDC XII 28 22 58 58.3–.45 40.40N 25.74E 0 4.6,4.6s
NEIC XII 28 22 58 59.0 40.39N 25.78E 35 5.2L,5.1b
ATH XII 28 22 58 59.0 40.39N 25.78E 35–2 4.8L,5.1b
CSEM XII 28 22 58 59.5–.05 40.38N 25.79E 10 5.1b,5.1W
TEH XII 28 22 59 00.0 40.45N 25.75E 12 5.1b,5.1W
MOS XII 28 22 59 00.6–1.1 40.45N 25.79E 33 5.1b,4.7s
DDA XII 28 22 59 01.0 40.33N 26.01E 3–0 5.1L,4.7s
GCMT XII 28 22 59 02.7–.20 40.33N 25.84E 12 5.2W,4.7s
ISC Event type fe.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=99.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.1km az=14.1.
IDC Error ellipse: s-maj=9.4km s-min=8.1km az=70.0.
NEIC Event type fe. Felt [IV] at Canakkale, [III] at Edirne and [II] at Istanbul, Turkey. Also felt at Ayvalik, Balikesir, Bursa, Buyukcekmece, Corlu, Izmir, Kesan, Luleburgaz, Silivri and Uzunkopru. Felt [III] at Alexandroupolis and [II] at Komotini, Greece. Also felt at Kamariotissa, Myrina, Orestias, Sapai, Souflion and Xanthi. Felt [III] at Plovdiv, Bulgaria. Also felt at Khaskovo and Kurdzhali. After ATH. Moment Tensor Solution. $M_0$4.10000×10^{16}
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=16.0.
MOS Error ellipse: s-maj=3.3km s-min=2.3km az=115.3.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 102 sta. Moment Tensor Solution. s55,c80; s99,c186; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.73±.15 $M_{\theta\theta}$4.15±.14; $M_{\phi\phi}$-2.42±.14; $M_{r\theta}$-0.87±.37; $M_{\theta\phi}$-6.76±.11; $M_{\phi r}$-1.10±.36; Best double couple: NP1: ϕ_s346.00000°,δ79.00000°,λ-10.00000°. NP2:ϕ_s78.00000°,δ80.00000°,λ-169.00000°. Principal axes: T 8.3800,Plg1.0000°,Azm212.0000°; N -1.3700,Plg75.0000°,Azm119.0000° ; P -7.0200,Plg15.0000°,Azm302.0000° $M_0$7.70000×10^{16}
ISC XII 28 23 06 32.1–.87 40.33N–.03 25.78E–.05 1–5 75 0-4
ATH XII 28 23 06 30.9 40.32N 25.99E 34–10 3.1 ¶12865488
ISCJB XII 28 23 06 31.5–.86 40.32N–.03 25.79E–.05 1–6 3.1
ISK XII 28 23 06 32.0 40.33N 25.85E 5 3.3,3.3L
CSEM XII 28 23 06 32.7–.31 40.38N 25.78E 10 3.3,3.3L
ISC Event type ke.
ATH Error ellipse: s-maj=3.9km s-min=5.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=150.3.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=5.7km az=43.0.
ISC XII 28 23 15 26.3–.34 40.33N–.01 25.86E–.02 5–3 251 0-7
ISK XII 28 23 15 25.7 40.34N 25.88E 4 3.1 ¶12865487
ATH XII 28 23 15 25.5 40.38N 25.81E 33–2 3.5L
ISCJB XII 28 23 15 25.3–.38 40.34N–.01 25.84E–.02 2–3 3.5L
CSEM XII 28 23 15 25.6–.10 40.33N 25.82E 2 3.1
DDA XII 28 23 15 26.2 40.33N 25.89E 32–2 3.5
THE XII 28 23 15 26.0 40.34N 25.93E 0–1 3.5L
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=135.2.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=176.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=98.0.
ISC XII 29 00 41 20.4–.34 40.36N–.02 25.78E–.02 4–2 207 0-6
SKO XII 29 00 41 06.5 40.17N 27.04E 0 ¶12865607
CSEM XII 29 00 41 19.9–.09 40.34N 25.77E 2 3.1
ISCJB XII 29 00 41 19.3–.40 40.36N–.02 25.76E–.02 0–3 3.1
DDA XII 29 00 41 19.8 40.38N 25.83E 23–2 3.0
ISK XII 29 00 41 20.1 40.37N 25.91E 5 3.1,3.1L
ATH XII 29 00 41 20.1 40.38N 25.81E 31–0 3.4,3.1L
THE XII 29 00 41 20.3 40.36N 25.80E 0–1 3.0L,3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=12.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=23.6.
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=95.0.
ISC XII 29 01 06 53.2–1.1 40.32N–.04 25.81E–.08 9–7 44 0-2
ISCJB XII 29 01 06 52.5–1.1 40.31N–.03 25.80E–.08 6–8 ¶12865605
ISK XII 29 01 06 52.7 40.32N 25.84E 10 2.9
CSEM XII 29 01 06 53.3–.22 40.33N 25.84E 10 2.9
ATH XII 29 01 06 53.0 41.44N 26.23E 28–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.6km az=169.1.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=76.0.
ATH Error ellipse: s-maj=2.7km s-min=4.1km az=-1.0.
ISC XII 29 01 22 56.4–.85 40.36N–.03 25.81E–.07 15–6 27 1-2
ATH XII 29 01 22 54.7 40.29N 25.96E 35–10 3.0 ¶13404289
ISCJB XII 29 01 22 55.4–.59 40.40N–.03 25.81E–.06 10 3.0
DDA XII 29 01 22 55.5 40.37N 25.85E 20–3 2.9
CSEM XII 29 01 22 58.0–.26 40.45N 25.85E 40 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=3.8km s-min=5.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.4km az=161.0.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=6.6km az=41.0.
ISC XII 29 01 57 11.7–.42 40.34N–.02 25.83E–.03 6–4 73 0-2
ATH XII 29 01 57 10.0 41.04N 26.50E 76–0 ¶12865604
ISCJB XII 29 01 57 11.0–.46 40.34N–.02 25.84E–.03 3–5
DDA XII 29 01 57 11.3 40.36N 25.89E 7–4 2.9
CSEM XII 29 01 57 11.5–.13 40.33N 25.84E 8 2.9
THE XII 29 01 57 11.6 40.33N 25.83E 5–1 2.5L
ISK XII 29 01 57 11.0 40.32N 25.84E 7 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=4.5.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=82.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=249.0.
ISC XII 29 02 09 48.5–.41 40.33N–.02 25.83E–.03 12–3 82 0-2
ISK XII 29 02 09 47.8 40.32N 25.85E 10 2.8 ¶12865602
ATH XII 29 02 09 47.4 40.30N 25.92E 30–2 3.0
ISCJB XII 29 02 09 47.9–.41 40.33N–.02 25.82E–.03 9–3 3.0
THE XII 29 02 09 48.9 40.34N 25.82E 13–1 2.5L
CSEM XII 29 02 09 48.4–.11 40.33N 25.84E 12 2.8
DDA XII 29 02 09 48.7 40.32N 25.88E 8–1 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=149.4.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=89.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=47.0.
ISC XII 29 03 01 12.1–.38 40.34N–.02 25.83E–.03 10–3 121 0-6
ATH XII 29 03 01 11.0 40.32N 25.87E 33–2 2.9 ¶12865600
CSEM XII 29 03 01 11.9–.10 40.33N 25.82E 9–0 3.0
ISCJB XII 29 03 01 11.3–.42 40.35N–.02 25.82E–.03 9–3 3.0
THE XII 29 03 01 12.4 40.34N 25.82E 10–1 2.7L
ISK XII 29 03 01 12.0 40.33N 25.90E 9 3.0
DDA XII 29 03 01 12.8 40.29N 25.87E 28–0 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=153.7.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=90.0.
ISC XII 29 03 06 27.5–.48 40.33N–.02 25.84E–.03 10–4 77 0-6
ISCJB XII 29 03 06 26.9–.50 40.34N–.02 25.82E–.03 9–4 ¶12865599
ISK XII 29 03 06 26.7 40.30N 25.85E 6 2.9
ATH XII 29 03 06 26.9 40.35N 25.82E 28–0 2.9
THE XII 29 03 06 27.5 40.34N 25.82E 2–2 2.4L
CSEM XII 29 03 06 27.1–.16 40.31N 25.82E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=155.8.
ATH Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=102.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=25.0.
ISC XII 29 03 11 08.2–.74 40.35N–.03 25.77E–.06 16–6 38 0-2
ISK XII 29 03 11 07.7 40.34N 25.80E 11 2.8 ¶12865598
ISCJB XII 29 03 11 08.0–.78 40.36N–.03 25.75E–.06 19–8 2.8
ATH XII 29 03 11 08.8 40.36N 25.77E 27–2 2.8
CSEM XII 29 03 11 08.3–.35 40.33N 25.82E 27–1 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=16.6.
ATH Error ellipse: s-maj=1.2km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=7.3km az=13.0.
ISC XII 29 03 38 45.6–.63 40.34N–.03 25.79E–.05 19–6 35 0-2
ISCJB XII 29 03 38 45.3–.79 40.34N–.03 25.76E–.06 20–9 ¶12865597
ATH XII 29 03 38 45.0 40.32N 25.88E 28–1 2.8
CSEM XII 29 03 38 45.5–.34 40.33N 25.81E 25–3 2.8
ISK XII 29 03 38 45.0 40.33N 25.80E 11 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.7km az=16.2.
ATH Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=7.3km az=151.0.
ISC XII 29 03 47 33.6–.54 40.31N–.03 25.90E–.04 18–7 36 0-2
ISK XII 29 03 47 32.5 40.31N 25.86E 14 2.7 ¶12865596
ATH XII 29 03 47 32.2 40.28N 25.96E 33–6 2.8
ISCJB XII 29 03 47 33.9–.55 40.31N–.03 25.90E–.05 23–9 2.8
CSEM XII 29 03 47 33.1–.26 40.32N 25.88E 20–0 2.7
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.3km az=2.9.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.1km az=17.0.
ISC XII 29 04 36 53.1–1.1 40.29N–.05 25.67E–.07 5–7 35 1-2
ATH XII 29 04 36 50.3 40.35N 25.85E 10 2.7 ¶12865593
ISCJB XII 29 04 36 52.7–.87 40.30N–.04 25.67E–.06 10 2.7
ISK XII 29 04 36 53.2 40.30N 25.80E 5 2.9
CSEM XII 29 04 36 53.1–.28 40.28N 25.69E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.7km az=24.6.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.4km az=128.0.
ISC XII 29 04 39 34.8–.75 40.34N–.04 25.77E–.05 11–6 37 0-2
ISCJB XII 29 04 39 33.7–1.0 40.33N–.04 25.75E–.06 7–8 ¶12865592
ATH XII 29 04 39 33.8 40.29N 25.93E 32–10 2.9
ISK XII 29 04 39 34.4 40.33N 25.81E 5 2.7
CSEM XII 29 04 39 34.7–.23 40.34N 25.78E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=7.5km az=0.8.
ATH Error ellipse: s-maj=2.4km s-min=4.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.6km az=173.0.
ISC XII 29 04 43 26.6–.37 40.37N–.02 25.79E–.02 3–3 122 0-3
ISCJB XII 29 04 43 25.9–.41 40.37N–.02 25.79E–.02 1–4 ¶12865591
THE XII 29 04 43 26.6 40.36N 25.80E 5–2 2.6L
SOF XII 29 04 43 26.0 40.40N 25.75E 8 2.9
CSEM XII 29 04 43 26.3–.11 40.37N 25.78E 2 3.1
ISK XII 29 04 43 26.8 40.36N 25.88E 4 3.1
ATH XII 29 04 43 27.1 40.40N 25.73E 13–2 3.1
DDA XII 29 04 43 27.6 40.33N 25.95E 8–5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=22.9.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=8.0.
ATH Error ellipse: s-maj=1.3km s-min=2.5km az=-1.0.
ISC XII 29 04 49 04.8–.39 40.33N–.02 25.83E–.03 13–4 83 0-2
CSEM XII 29 04 49 04.7–.12 40.34N 25.84E 12 3.0 ¶12865590
ATH XII 29 04 49 04.5 40.35N 25.82E 28–0 2.9
ISCJB XII 29 04 49 04.2–.39 40.33N–.02 25.84E–.03 9–4 2.9
ISK XII 29 04 49 04.1 40.33N 25.84E 8 3.0
THE XII 29 04 49 05.3 40.33N 25.82E 13–1 2.2L
DDA XII 29 04 49 05.8 40.32N 25.98E 7–3 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=24.0.
ATH Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=168.4.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=13.0.
ISC XII 29 05 29 29.1–.38 40.34N–.02 25.84E–.02 4–4 88 0-2
SOF XII 29 05 29 27.5 40.33N 25.66E 2 2.5 ¶12865589
ISK XII 29 05 29 28.5 40.31N 25.87E 6 2.8
ISCJB XII 29 05 29 28.5–.34 40.33N–.02 25.83E–.03 10 2.8
THE XII 29 05 29 29.4 40.36N 25.81E 11–1 2.4L
ATH XII 29 05 29 29.1 40.35N 25.85E 5–1 3.2
CSEM XII 29 05 29 29.0–.14 40.34N 25.83E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=13.8.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=12.0.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=32.0.
ISC XII 29 06 28 00.2–1.3 40.33N–.03 25.83E–.10 8–7 36 0-2
ISK XII 29 06 27 59.7 40.30N 25.88E 10 2.7 ¶12865584
DDA XII 29 06 27 59.6 40.36N 25.85E 7–2 2.8
ISCJB XII 29 06 28 00.2–1.1 40.33N–.03 25.88E–.08 10 2.8
CSEM XII 29 06 28 00.4–.45 40.31N 25.88E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=4.0km az=10.9.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=4.5km az=93.0.
ISC XII 29 07 38 50.4–.46 40.35N–.02 25.88E–.04 1–6 56 0-2
ISK XII 29 07 38 48.3 40.30N 25.82E 8 2.6 ¶12865582
DDA XII 29 07 38 49.0 40.37N 25.82E 7–2 3.0
CSEM XII 29 07 38 49.5–.21 40.35N 25.85E 8 2.6
ISCJB XII 29 07 38 50.1–.38 40.35N–.02 25.90E–.03 10 2.6
ATH XII 29 07 38 50.5 40.35N 25.84E 11–1 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=4.0km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=6.1.
ATH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
ISC XII 29 07 57 05.2–1.7 40.36N–.05 25.8E–.10 3–20 20 0-2
ISCJB XII 29 07 57 04.9–1.4 40.35N–.05 25.8E–.10 5–11 ¶12865581
ISK XII 29 07 57 04.4 40.30N 25.80E 9 2.6
DDA XII 29 07 57 05.1 40.36N 25.81E 7–2 2.9
CSEM XII 29 07 57 05.2–.73 40.33N 25.81E 12 2.6

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=7.6km az=5.5.
CSEM Event type ke. Error ellipse: s-maj=15.0km s-min=7.8km az=81.0.

ISC	**XII**	**29 08 27 40.0–.35**	**40.35N–.02**	**25.74E–.02**	**9–2**		**207**	**0-7**
ISK	XII	29 08 27 39.9	40.35N	25.83E	6	3.2		¶11751864
ATH	XII	29 08 27 39.4	40.36N	25.77E	28–0	3.2		
ISCJB	XII	29 08 27 39.1–.35	40.38N–.02	25.73E–.02	8–3	3.2		
THE	XII	29 08 27 40.7	40.35N	25.73E	12–1	3.3L		
DDA	XII	29 08 27 40.0	40.33N	25.82E	25–1	3.2		
CSEM	XII	29 08 27 40.0–.10	40.33N	25.74E	9–0	3.2		
SOF	XII	29 08 27 43.3	40.55N	25.28E	3	3.3		
BEO	XII	29 08 27 43.0–1.2	40.41N	25.75E	26–7	3.5L		

ISC Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=30.3.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=85.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=21.0.

ISC	**XII**	**29 12 02 24.4–.36**	**40.35N–.02**	**25.82E–.02**	**6–3**		**155**	**0-6**
ISCJB	XII	29 12 02 23.7–.41	40.36N–.02	25.80E–.02	6–3			¶11751870
SOF	XII	29 12 02 23.6	40.34N	25.59E	2	3.0		
ATH	XII	29 12 02 24.0	40.35N	25.82E	27–0	3.2		
THE	XII	29 12 02 24.6	40.35N	25.84E	8–1	3.0L		
DDA	XII	29 12 02 24.4	40.34N	25.90E	21–1	3.2		
CSEM	XII	29 12 02 24.0–.12	40.35N	25.82E	2	3.1		
ISK	XII	29 12 02 24.0	40.37N	25.93E	5	3.1		
BEO	XII	29 12 02 26.9–1.5	40.39N	25.84E	21–7	3.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=138.7.
ATH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=38.0.

ISC	**XII**	**29 13 41 42.4–.37**	**40.35N–.02**	**25.85E–.03**	**7–3**		**101**	**0-4**
SOF	XII	29 13 41 41.1	40.34N	25.65E	2	2.7		¶12865576
ISCJB	XII	29 13 41 41.8–.45	40.35N–.02	25.86E–.03	4–4	2.7		
DDA	XII	29 13 41 41.8	40.36N	25.87E	30–3	3.1		
CSEM	XII	29 13 41 42.4–.15	40.35N	25.85E	10–0	3.1		
ISK	XII	29 13 41 42.5	40.33N	25.94E	6	3.1		
ATH	XII	29 13 41 42.2	40.34N	25.87E	20–2	3.1		
THE	XII	29 13 41 42.4	40.36N	25.83E	2–7	2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=144.4.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=26.0.
ATH Error ellipse: s-maj=0.6km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=7.8km s-min=0.4km az=47.0.

ISC	**XII**	**29 22 34 22.8–.45**	**40.34N–.02**	**25.86E–.03**	**1–5**		**71**	**0-2**
ISK	XII	29 22 34 21.0	40.30N	25.82E	2	2.8		¶12865563
DDA	XII	29 22 34 22.0	40.35N	25.82E	6–4	2.8		
ISCJB	XII	29 22 34 22.7–.39	40.36N–.02	25.82E–.03	10	2.8		
ATH	XII	29 22 34 22.7	40.35N	25.87E	3–2	3.4		
CSEM	XII	29 22 34 22.5–.18	40.35N	25.86E	2	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=174.4.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=70.0.

ISC	**XII**	**30 01 43 59.2–.47**	**40.33N–.02**	**25.78E–.03**	**10–4**		**59**	**0-2**
ISCJB	XII	30 01 43 58.7–.48	40.34N–.02	25.79E–.03	7–4			¶12865628
ATH	XII	30 01 43 58.8	40.33N	25.81E	22–1	3.4		
DDA	XII	30 01 43 58.9	40.36N	25.89E	6–1	3.1		
ISK	XII	30 01 43 59.8	40.34N	25.89E	10	2.7		
CSEM	XII	30 01 43 59.5–.26	40.38N	25.81E	18–0	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.8km az=31.2.
ATH Error ellipse: s-maj=0.6km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=5.3km az=93.0.

ISC	**XII**	**30 04 37 33.8–.34**	**40.35N–.01**	**25.75E–.02**	**5–2**		**253**	**0-7**
SOF	XII	30 04 37 32.3	40.37N	25.78E	10	3.0		¶12865625
ATH	XII	30 04 37 33.4	40.37N	25.79E	28–0	3.5		
ISCJB	XII	30 04 37 33.0–.35	40.36N–.01	25.74E–.02	5–2	3.5		
DDA	XII	30 04 37 33.5	40.36N	25.83E	22–1	3.1		
CSEM	XII	30 04 37 33.6–.08	40.34N	25.72E	5	3.7		
ISK	XII	30 04 37 33.4	40.34N	25.81E	4	3.7,3.7L		
THE	XII	30 04 37 34.2	40.37N	25.78E	9–0	3.0L,3.7L		

ISC Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=26.9.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=28.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=70.0.

ISC	**XII**	**30 04 55 00.5–.67**	**40.39N–.03**	**25.74E–.06**	**15–6**		**25**	**1-2**
ISCJB	XII	30 04 55 00.2–.66	40.39N–.03	25.74E–.06	12–6			¶13404385
ATH	XII	30 04 55 00.2	40.38N	25.78E	29–1	3.3		
CSEM	XII	30 04 55 01.0–.23	40.47N	25.62E	39–2	3.3		
DDA	XII	30 04 55 02.2	40.31N	25.92E	7–1	2.5		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=1.0.
ATH Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=6.0km az=36.0.

ISC	**XII**	**30 05 17 06.8–.40**	**40.36N–.02**	**25.78E–.03**	**10–3**		**135**	**0-4**
SOF	XII	30 05 17 05.1	40.45N	26.00E	0	2.7		¶12865624
ATH	XII	30 05 17 06.4	40.38N	25.80E	29–1	3.0		
ISCJB	XII	30 05 17 06.4–.41	40.36N–.02	25.79E–.02	8–3	3.0		
CSEM	XII	30 05 17 06.6–.10	40.35N	25.78E	10–0	3.1		
ISK	XII	30 05 17 06.0	40.34N	25.81E	8	3.1		
THE	XII	30 05 17 07.4	40.37N	25.78E	12–0	2.6L		
DDA	XII	30 05 17 07.6	40.34N	25.90E	7–2	2.9		

ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=137.4.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=31.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=66.0.

ISC	**XII**	**30 11 13 26.0–.36**	**40.38N–.02**	**25.81E–.02**	**9–3**		**127**	**0-6**
CSEM	XII	30 11 13 25.9–.10	40.36N	25.81E	10–0	3.1		¶12865621
ATH	XII	30 11 13 25.8	40.37N	25.79E	27–0	3.3		
ISCJB	XII	30 11 13 25.3–.38	40.39N–.02	25.80E–.02	7–3	3.3		
ISK	XII	30 11 13 25.7	40.39N	25.84E	9	3.1		
THE	XII	30 11 13 26.3	40.37N	25.78E	5–1	3.0L		
DDA	XII	30 11 13 26.2	40.38N	25.89E	7–6	3.1		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=10.0.
ATH Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=34.3.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=64.0.

ISC	**XII**	**31 02 56 37.1–1.4**	**40.34N–.03**	**25.8E–.10**	**6–6**		**34**	**0-2**
ISCJB	XII	31 02 56 37.0–1.2	40.34N–.03	25.80E–.09	10			¶12865657
DDA	XII	31 02 56 36.8	40.36N	25.89E	6–1	2.8		
CSEM	XII	31 02 56 36.4–.32	40.32N	25.75E	5	2.8		
ISK	XII	31 02 56 37.1	40.32N	25.86E	11	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=4.4km az=1.7.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=2.6km az=87.0.

ISC	**XII**	**31 03 06 11.5–1.4**	**40.36N–.04**	**25.74E–.09**	**7–6**		**31**	**0-2**
ISK	XII	31 03 06 10.8	40.31N	25.80E	10	2.7		¶12865656
ISCJB	XII	31 03 06 11.1–1.3	40.37N–.04	25.75E–.09	5–6	2.7		
CSEM	XII	31 03 06 11.3–.57	40.37N	25.77E	5	2.7		
DDA	XII	31 03 06 13.0	40.34N	25.91E	6–1	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.9km az=9.8.
CSEM Event type ke. Error ellipse: s-maj=11.2km s-min=5.6km az=89.0.

ISC	**XII**	**31 18 35 15.1–.58**	**39.39N–.03**	**23.98E–.04**	**17–3**		**59**	**0-2**
ISCJB	XII	31 18 35 14.9–.67	39.40N–.03	23.97E–.04	12–4			¶13404511
CSEM	XII	31 18 35 14.8–.19	39.38N	23.99E	15	2.3L		
ATH	XII	31 18 35 15.4	39.42N	23.92E	38–1	3.1		
THE	XII	31 18 35 15.2	39.39N	23.98E	12–0	2.3L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=37.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=118.0.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=104.0.

ISC	**XII**	**31 19 01 11.2–.48**	**39.47N–.02**	**25.12E–.02**	**9–3**		**175**	**0-5**
ISCJB	XII	31 19 01 10.2–.67	39.48N–.02	25.13E–.02	3–5			¶12865634
ATH	XII	31 19 01 11.0	39.50N	25.14E	26–0	2.8L		
DDA	XII	31 19 01 11.3	39.43N	24.92E	74–97	3.8		
CSEM	XII	31 19 01 11.3–.08	39.48N	25.12E	10	2.8L		
THE	XII	31 19 01 11.6	39.48N	25.09E	7–0	2.9L		
ISK	XII	31 19 01 11.2	39.46N	25.25E	8	3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=171.4.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=175.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=88.0.

ISC	**XII**	**31 20 08 53.6–.42**	**39.00N–.02**	**26.72E–.03**	**9–3**		**75**	**0-3**
ISCJB	XII	31 20 08 52.9–.43	39.00N–.02	26.74E–.03	5–4			¶12865632
ISK	XII	31 20 08 52.7	38.97N	26.71E	14	3.2		
DDA	XII	31 20 08 53.1	39.00N	26.73E	7–7	3.1		
CSEM	XII	31 20 08 53.3–.16	39.01N	26.73E	8	3.1		
ATH	XII	31 20 08 54.3	38.94N	26.42E	21–1	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=157.5.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=68.0.
ATH Error ellipse: s-maj=1.0km s-min=3.0km az=-1.0.

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ISC	**VII**	**01 00 42 31.1–.55**	**40.02N–.03**	**34.01E–.04**	**4–8**		**32**	**0-2**
ISK	VII	01 00 42 29.4	40.20N	33.96E	5	3.0		¶11514008
ISCJB	VII	01 00 42 30.4–.58	40.02N–.03	34.00E–.04	1–9	3.0		
DDA	VII	01 00 42 30.4	40.01N	34.00E	7–2	2.8		
CSEM	VII	01 00 42 30.6–.30	40.04N	34.01E	5	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=164.8.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=6.1km az=165.0.

ISC	**VII**	**01 03 04 36.1–.52**	**40.96N–.03**	**34.99E–.04**	**4–8**		**41**	**0-2**
ISCJB	VII	01 03 04 35.9–.47	40.98N–.03	34.96E–.04	10			¶11514010
DDA	VII	01 03 04 36.0	40.96N	35.00E	10–1	2.8		
ISK	VII	01 03 04 35.3	40.98N	34.98E	7	2.9		
CSEM	VII	01 03 04 35.8–.07	40.98N	34.98E	2	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=138.7.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=158.0.

ISC	**VII**	**01 06 47 41.9–.61**	**38.29N–.05**	**38.28E–.05**	**13–7**		**22**	**0-1**
CSEM	VII	01 06 47 40.8–.19	38.22N	38.27E	8	2.8		¶11514011
ISK	VII	01 06 47 40.9	38.20N	38.34E	4	2.8		
ISCJB	VII	01 06 47 41.7–.61	38.28N–.07	38.28E–.05	9–8	2.8		
DDA	VII	01 06 47 41.3	38.32N	38.29E	7–2	2.7		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.5km az=166.9.

ISC	**VII**	**01 12 45 24.8–.47**	**40.49N–.03**	**29.21E–.04**	**4–6**		**42**	**0-1**
ISCJB	VII	01 12 45 24.5–.51	40.50N–.03	29.21E–.04	3–6			¶11514013
CSEM	VII	01 12 45 24.8–.10	40.48N	29.19E	5	2.7		
DDA	VII	01 12 45 24.6	40.45N	29.27E	2–5	2.5		
ISK	VII	01 12 45 24.0	40.46N	29.18E	4	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=5.0km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=20.0.

ISC	**VII**	**01 19 41 09.3–.52**	**39.34N–.03**	**29.17E–.03**	**1–8**		**50**	**0-2**
ISCJB	VII	01 19 41 09.5–.38	39.31N–.03	29.15E–.03	10			¶11514017
CSEM	VII	01 19 41 09.2–.11	39.33N	29.15E	2	3.1		
DDA	VII	01 19 41 09.4	39.37N	29.23E	4–1	3.1		
ISK	VII	01 19 41 09.0	39.29N	29.12E	8	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=1.6.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=7.0.

ISC	**VII**	**01 20 46 32.6–.52**	**37.81N–.02**	**27.61E–.06**	**2–7**		**38**	**0-2**
ISCJB	VII	01 20 46 32.0–.46	37.81N–.02	27.58E–.06	10			¶11514018
DDA	VII	01 20 46 31.8	37.81N	27.62E	7–2	3.0		
ISK	VII	01 20 46 31.9	37.81N	27.59E	4	3.1		
CSEM	VII	01 20 46 32.3–.18	37.82N	27.62E	2	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.1km az=1.2.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.4km az=96.0.

ISC	**VII**	**02 00 01 14.0–.45**	**37.86N–.02**	**29.38E–.04**	**15–4**		**40**	**0-1**
ISCJB	VII	02 00 01 13.6–.48	37.85N–.02	29.40E–.04	9–5			¶11514022
CSEM	VII	02 00 01 13.5–.16	37.85N	29.40E	12	2.9		
ISK	VII	02 00 01 13.6	37.84N	29.44E	7	2.9		
DDA	VII	02 00 01 13.5	37.87N	29.35E	7–3	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=13.5.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=104.0.

ISC	**VII**	**02 00 27 38.1–.56**	**37.85N–.03**	**29.42E–.05**	**14–4**		**38**	**0-1**
ISK	VII	02 00 27 36.9	37.85N	29.39E	21	2.7		¶11514023
ISCJB	VII	02 00 27 37.5–.69	37.85N–.03	29.45E–.05	8–5	2.7		
CSEM	VII	02 00 27 37.6–.17	37.84N	29.43E	15	2.7		
DDA	VII	02 00 27 38.0	37.86N	29.36E	7–3	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.1km az=30.5.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=126.0.

ISC	**VII**	**02 05 36 43.8–.42**	**38.00N–.02**	**29.30E–.05**	**10–6**		**41**	**0-1**
ISK	VII	02 05 36 42.2	38.04N	29.22E	2	2.8		¶11514025
ISCJB	VII	02 05 36 43.3–.43	38.01N–.02	29.30E–.05	4–7	2.8		
DDA	VII	02 05 36 43.5	37.97N	29.31E	9–1	2.8		
CSEM	VII	02 05 36 43.5–.15	38.00N	29.30E	10	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.4km az=18.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=111.0.

ISC	**VII**	**02 05 56 12.6–.44**	**37.99N–.03**	**29.33E–.05**	**14–5**		**41**	**0-1**
ISK	VII	02 05 56 11.6	38.00N	29.28E	15	2.7		¶11514026
ISCJB	VII	02 05 56 12.3–.49	37.98N–.03	29.35E–.05	8–5	2.7		
CSEM	VII	02 05 56 12.1–.09	37.97N	29.35E	12	2.7		
DDA	VII	02 05 56 12.2	37.98N	29.33E	8–1	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.6km az=23.6.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.4km az=112.0.

ISC	**VII**	**02 07 40 05.1–1.0**	**37.01N–.06**	**28.26E–.07**	**23–13**		**21**	**0-1**
CSEM	VII	02 07 40 04.1–.37	37.03N	28.34E	30	2.6		¶11514027
ISCJB	VII	02 07 40 05.2–1.2	37.00N–.06	28.26E–.07	21–14	2.6		
DDA	VII	02 07 40 06.0	37.03N	28.12E	7–2	2.6		
ISK	VII	02 07 40 06.9	37.09N	28.18E	14	2.6		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=8.8km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=7.3km az=40.3.

ISC	**VII**	**02 10 56 34.7–.49**	**39.67N–.03**	**29.46E–.04**	**5–6**		**46**	**1-2**
ISK	VII	02 10 56 33.9	39.71N	29.52E	5	2.9		¶11514034
ISCJB	VII	02 10 56 34.4–.45	39.67N–.03	29.46E–.04	10	2.9		
CSEM	VII	02 10 56 34.3–.17	39.67N	29.46E	2	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=165.3.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=55.0.

ISC	**VII**	**02 11 52 39.7–.33**	**38.32N–.03**	**39.53E–.03**	**10**		**59**	**0-4**
DDA	VII	02 11 52 38.0	38.32N	39.55E	2–3	3.7L,3.5		¶11514036
ISK	VII	02 11 52 38.4	38.35N	39.49E	2	3.4,3.5		
ISCJB	VII	02 11 52 39.2–.33	38.30N–.03	39.51E–.03	10	3.4,3.5		
CSEM	VII	02 11 52 39.7–.19	38.34N	39.48E	5	3.4,3.5		

ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=12.6.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=177.0.
ISC VII 02 12 43 52.6–.45 37.21N–.03 28.20E–.03 8–5 41 0-2
ISK VII 02 12 43 48.7 37.36N 28.38E 18 2.7 ¶11514039
DDA VII 02 12 43 51.5 37.22N 28.21E 7–5 2.7
CSEM VII 02 12 43 51.9–.27 37.22N 28.24E 2 2.7
ISCJB VII 02 12 43 52.2–.50 37.22N–.04 28.21E–.04 6–6 2.7
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
DDA VII 02 13 03 48.6 39.69N 29.45E 7–5 2.7
CSEM VII 02 13 03 48.6 39.69N 29.45E 7 2.7 ¶13596330
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VII 02 14 18 28.9–.47 37.71N–.03 27.37E–.05 14–4 39 0-1
ISCJB VII 02 14 18 28.8–.46 37.71N–.03 27.38E–.04 10–5 ¶11514042
DDA VII 02 14 18 28.1 37.79N 27.38E 7–1 2.8
ISK VII 02 14 18 28.8 37.73N 27.46E 18 3.0
CSEM VII 02 14 18 29.2–.14 37.73N 27.44E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.0km az=136.8.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.2km az=64.0.
ISC VII 02 14 22 39.4–.54 38.32N–.03 39.54E–.03 3–6 50 0-3
DDA VII 02 14 22 38.4 38.32N 39.55E 3–4 3.2 ¶11514043
ISCJB VII 02 14 22 39.1–.58 38.32N–.03 39.53E–.03 1–6 3.2
CSEM VII 02 14 22 39.5–.16 38.33N 39.50E 2 3.3
ISK VII 02 14 22 39.2 38.34N 39.48E 5 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=20.5.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.3km az=4.0.
ISK VII 02 15 10 19.3 40.24N 30.01E 15 2.9
CSEM VII 02 15 10 19.3 40.24N 30.01E 15 2.9 ¶11514044
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VII 02 19 42 34.4–.28 37.58N–.02 43.95E–.03 10 3.7b,3.1s 134 0-51
DDA VII 02 19 42 29.4 37.56N 43.95E 4–1 3.7,3.1s ¶11514047
ISK VII 02 19 42 32.4 37.63N 43.89E 2 4.2L,3.1s
ISCJB VII 02 19 42 32.4–.29 37.52N–.02 44.01E–.03 10 3.7b,3.1s
MOS VII 02 19 42 32.9–1.4 37.40N 43.99E 10 4.0b,3.1s
CSEM VII 02 19 42 33.3–.18 37.58N 43.97E 2 3.8b,3.1s
IDC VII 02 19 42 33.9–.91 37.60N 44.01E 0 3.8,3.7b
NEIC VII 02 19 42 35.2–4.7 37.57N 43.97E 12–33 4.1L,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=27.8.
MOS Error ellipse: s-maj=12.6km s-min=7.8km az=85.9.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=93.0.
IDC Error ellipse: s-maj=16.6km s-min=10.2km az=132.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.5km az=156.0.
ISC VII 03 04 19 36.2–.59 38.42N–.03 39.44E–.03 2–5 49 0-3
ISCJB VII 03 04 19 35.8–.72 38.43N–.03 39.43E–.03 0–7 ¶11514054
ISK VII 03 04 19 35.9 38.47N 39.34E 4 3.4L,3.3
DDA VII 03 04 19 35.5 38.38N 39.43E 7–8 3.5,3.3
CSEM VII 03 04 19 36.5–.19 38.46N 39.38E 2 3.3,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.1km az=170.3.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=1.8km az=111.0.
ISC VII 03 05 06 31.6–.75 38.47N–.04 39.44E–.05 3–8 37 0-2
DDA VII 03 05 06 30.7 38.49N 39.44E 8–3 3.1 ¶11514055
ISCJB VII 03 05 06 31.5–.51 38.47N–.04 39.42E–.04 10 3.1
ISK VII 03 05 06 31.9 38.45N 39.33E 5 3.0
CSEM VII 03 05 06 32.0–.14 38.44N 39.37E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.6km az=25.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=29.0.
ISC VII 03 06 08 32.9–.44 40.86N–.03 28.81E–.04 10 42 0-1
DDA VII 03 06 08 31.7 40.84N 28.78E 7–1 2.7 ¶11514057
ISCJB VII 03 06 08 32.7–.44 40.87N–.03 28.82E–.04 10 2.7
CSEM VII 03 06 08 32.6–.13 40.86N 28.79E 5 2.7
ISK VII 03 06 08 32.7 40.88N 28.83E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=6.7.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=50.0.
ISC VII 03 07 17 40.6–.73 39.94N–.04 38.84E–.07 5–9 21 0-1
DDA VII 03 07 17 39.8 39.96N 38.84E 7–1 2.8 ¶11514059
ISCJB VII 03 07 17 40.4–.70 39.94N–.04 38.82E–.07 10 2.8
ISK VII 03 07 17 40.5 39.98N 38.87E 6 2.7
CSEM VII 03 07 17 40.4–.11 39.94N 38.84E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.7km az=36.9.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=1.8km az=125.0.
ISC VII 03 07 49 52.0–.38 39.10N–.02 27.30E–.03 10–4 61 0-2
ISCJB VII 03 07 49 51.5–.43 39.10N–.02 27.30E–.03 6–4 ¶11514062
DDA VII 03 07 49 51.3 39.09N 27.32E 7–4 2.6
ISK VII 03 07 49 51.4 39.08N 27.29E 16 2.8
CSEM VII 03 07 49 51.8–.14 39.09N 27.29E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=6.1.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=84.0.
ISC VII 03 17 16 20.8–.42 37.02N–.02 29.19E–.02 6–3 119 0-34
NEIC VII 03 17 16 18.0 37.01N 29.18E 5 3.6,3.2 ¶11514083
ISK VII 03 17 16 18.7 36.99N 29.19E 2 3.2,3.2
CSEM VII 03 17 16 19.8–.13 36.98N 29.21E 2 3.2,3.2
IDC VII 03 17 16 19.2–1.4 36.90N 29.26E 0 3.7b,3.6L
DDA VII 03 17 16 20.8 37.01N 29.26E 12–1 3.2,3.6L
ISCJB VII 03 17 16 20.2–.42 37.01N–.02 29.19E–.02 6–4 3.2,3.6L
ATH VII 03 17 16 20.8 37.04N 29.14E 20–1 3.6,3.6L
ISC Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=162.0.
IDC Error ellipse: s-maj=22.2km s-min=20.2km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=145.4.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
ISC VII 03 17 37 04.8–.35 37.02N–.01 29.23E–.01 13–2 4.5b,3.4s 835 0-115
BJI VII 03 17 36 58.8 36.48N 28.64E 35 4.7b,4.6b ¶13379307
ISK VII 03 17 37 01.4 37.04N 29.15E 5 4.4L,4.6b
IDC VII 03 17 37 01.5–.63 36.94N 29.30E 0 4.4,4.4
DDA VII 03 17 37 02.5 36.99N 29.17E 22–2 4.4L,4.2
MOS VII 03 17 37 02.0–1.0 37.01N 29.32E 10 4.5b,4.2
NIC VII 03 17 37 03.4–.20 36.99N 28.83E 61 4.8b,4.5L
NEIC VII 03 17 37 03.0 37.10N 29.13E 7 4.5L,4.4L
CSEM VII 03 17 37 04.3–.08 37.02N 29.23E 10 4.3b,3.9W
ISCJB VII 03 17 37 04.2–.30 37.04N–.01 29.24E–.01 23–2 4.5b,3.4s
THE VII 03 17 37 05.1 37.07N 29.20E 2–1 5.0L,3.4s
SZGRF VII 03 17 37 43.0 39.16N 26.28E 33 4.2b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=11.0km az=176.0.
MOS Error ellipse: s-maj=4.8km s-min=2.8km az=115.2.
NIC Moment Tensor Solution. $M_0 7.90000 \times 10^{14}$
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=12.8.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=154.0.
SZGRF Turkey.
ISC VII 03 18 01 44.2–.41 36.97N–.02 29.16E–.02 4–3 118 0-34
IDC VII 03 18 01 42.7–1.9 36.81N 29.25E 0 3.6b,3.3 ¶11514084
NEIC VII 03 18 01 43.0 37.05N 29.15E 5 3.6,3.2
ISCJB VII 03 18 01 43.5–.44 36.96N–.02 29.15E–.02 2–4 3.6,3.2
DDA VII 03 18 01 43.7 36.99N 29.17E 13–3 3.3,3.2
ISK VII 03 18 01 43.6 37.05N 29.15E 2 3.2,3.2
ATH VII 03 18 01 43.7 36.96N 29.28E 35 3.6,3.2
CSEM VII 03 18 01 43.8–.12 36.98N 29.14E 2 3.2,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=20.8km az=161.0.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=156.4.
ATH Error ellipse: s-maj=6.6km s-min=39.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=165.0.
ISC VII 03 18 50 27.8–.50 37.01N–.03 29.24E–.04 11–5 47 0-2
ISK VII 03 18 50 26.9 37.03N 29.22E 11 3.0 ¶11514085
ISCJB VII 03 18 50 27.2–.67 37.00N–.04 29.23E–.04 6–6 3.0
CSEM VII 03 18 50 27.2–.15 37.02N 29.24E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.7km az=19.3.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=10.0.
ISC VII 03 19 23 26.0–.57 37.23N–.04 29.37E–.05 8–9 30 0-2
ISCJB VII 03 19 23 25.4–.55 37.23N–.04 29.41E–.05 10 ¶11514086
ISK VII 03 19 23 25.3 37.14N 29.31E 5 2.9
CSEM VII 03 19 23 26.0–.29 37.20N 29.33E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.1km az=39.3.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.2km az=32.0.
ISC VII 03 20 18 26.5–.57 36.96N–.03 29.22E–.03 7–4 98 0-41
IDC VII 03 20 18 25.7–2.1 36.89N 29.15E 0 3.6b,3.4 ¶12950971
ISK VII 03 20 18 25.4 37.02N 29.22E 5 3.1,3.4
NEIC VII 03 20 18 25.0 37.02N 29.22E 5 3.1,3.4
DDA VII 03 20 18 26.2 36.99N 29.19E 21–2 3.5,3.4
CSEM VII 03 20 18 26.3–.14 36.98N 29.22E 5 3.1,3.4
ISCJB VII 03 20 18 26.8–.54 36.95N–.03 29.27E–.03 17–5 3.1,3.4
ISC Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 03 21 44 08.8–.45 40.43N–.03 28.85E–.04 10–5 38 0-1
DDA VII 03 21 44 08.0 40.43N 28.86E 7–3 2.6 ¶11514088
ISCJB VII 03 21 44 08.3–.53 40.42N–.03 28.84E–.04 4–7 2.6
CSEM VII 03 21 44 08.5–.10 40.42N 28.85E 8 2.6
ISK VII 03 21 44 08.3 40.42N 28.86E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.5km az=34.7.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=96.0.
ISC VII 03 23 14 56.5–.42 38.90N–.02 27.88E–.03 8–3 65 0-2
ISCJB VII 03 23 14 56.0–.48 38.91N–.02 27.87E–.03 5–4 ¶11514090
DDA VII 03 23 14 55.5 38.90N 27.86E 26–1 2.7
ISK VII 03 23 14 55.5 38.92N 27.88E 7 3.0
CSEM VII 03 23 14 55.5 38.92N 27.88E 7 3.0
THE VII 03 23 14 57.2 38.88N 27.79E 0–1 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=146.6.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.9km az=101.0.
ISC VII 04 02 32 40.6–.38 38.18N–.02 27.77E–.03 8–4 74 0-3
ISCJB VII 04 02 32 40.0–.51 38.18N–.02 27.77E–.03 3–5 ¶11514094
DDA VII 04 02 32 39.6 38.21N 27.76E 7–5 2.7
ISK VII 04 02 32 39.8 38.16N 27.77E 11 3.0
CSEM VII 04 02 32 40.3–.12 38.17N 27.77E 8 2.7
ATH VII 04 02 32 41.7 37.98N 27.75E 43–9 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=175.5.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=91.0.
ATH Error ellipse: s-maj=1.4km s-min=5.8km az=-1.0.
ISC VII 04 03 06 47.6–.57 39.36N–.03 41.07E–.06 11–6 30 0-2
DDA VII 04 03 06 46.7 39.34N 41.05E 7–1 3.0 ¶11514097
ISK VII 04 03 06 46.9 39.40N 41.04E 13 2.9
CSEM VII 04 03 06 46.9–.14 39.36N 41.03E 10 2.9
ISCJB VII 04 03 06 47.1–.61 39.36N–.03 41.06E–.07 7–8 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 04 05 10 17.8–.62 37.14N–.04 29.22E–.04 3–9 30 0-1
DDA VII 04 05 10 16.2 37.12N 29.14E 7–5 2.8 ¶11514102
ISCJB VII 04 05 10 17.8–.54 37.16N–.04 29.25E–.04 10 2.8
CSEM VII 04 05 10 17.6–.31 37.16N 29.25E 2 2.7
ISK VII 04 05 10 17.5 37.12N 29.29E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.3km az=13.2.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=6.2km az=12.0.
ISC VII 04 05 36 02.8–.52 36.98N–.03 29.20E–.03 8–4 73 0-5
ISCJB VII 04 05 36 02.3–.65 36.97N–.03 29.19E–.03 7–5 ¶11514104
DDA VII 04 05 36 02.2 36.97N 29.14E 7–3 3.1
ISK VII 04 05 36 02.6 37.08N 29.20E 9 3.2
CSEM VII 04 05 36 02.7–.16 37.00N 29.21E 8 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=171.3.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=1.0.
ISC VII 04 10 04 37.9–.56 37.02N–.03 29.20E–.03 7–5 55 0-3
DDA VII 04 10 04 36.8 36.99N 29.20E 7–5 3.0 ¶11514107
ISK VII 04 10 04 36.8 37.11N 29.22E 2 3.1
ISCJB VII 04 10 04 37.5–.63 37.02N–.03 29.21E–.03 5–6 3.1
CSEM VII 04 10 04 37.5–.10 37.03N 29.22E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=15.5.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=1.2km az=166.0.
ISC VII 04 10 09 58.7–.51 37.08N–.03 29.24E–.03 8–4 108 0-5
ISK VII 04 10 09 57.1 37.02N 29.23E 6 3.3 ¶11514108
NEIC VII 04 10 09 57.0 37.00N 29.23E 8 3.2
DDA VII 04 10 09 57.4 36.99N 29.19E 7–4 3.4
CSEM VII 04 10 09 58.0–.13 37.06N 29.25E 5 3.3
ISCJB VII 04 10 09 58.3–.55 37.07N–.03 29.25E–.03 9–5 3.3
THE VII 04 10 10 00.1 37.13N 29.17E 1–5 4.5L
ISC Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=163.2.
THE Event type ke. Error ellipse: s-maj=12.9km s-min=1.6km az=83.0.
ISC VII 04 11 54 54.7–1.1 37.08N–.05 27.89E–.04 14–15 32 0-1
ISK VII 04 11 54 52.5 37.12N 27.95E 27 2.6 ¶11514113
ISCJB VII 04 11 54 54.3–.64 37.07N–.04 27.91E–.03 10 2.6
CSEM VII 04 11 54 54.0–.27 37.07N 27.93E 10 2.6
DDA VII 04 11 54 54.1 37.07N 27.91E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=173.3.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.1km az=157.0.
ISC VII 04 14 56 33.6–.71 36.98N–.04 29.21E–.04 4–7 44 0-3
ISK VII 04 14 56 32.7 37.01N 29.23E 4 3.0 ¶11514117
ISCJB VII 04 14 56 33.8–.49 37.00N–.04 29.24E–.03 10 3.0
DDA VII 04 14 56 33.2 36.99N 29.16E 7–3 3.0
CSEM VII 04 14 56 33.3–.10 37.00N 29.22E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=165.5.
CSEM Event type ke.
ISC VII 04 15 01 03.4–.55 37.21N–.04 28.20E–.04 11–8 31 0-1
ISK VII 04 15 01 02.6 37.25N 28.23E 7 2.8 ¶11514118
DDA VII 04 15 01 02.8 37.22N 28.19E 7–4 3.0
ISCJB VII 04 15 01 03.1–.54 37.21N–.04 28.20E–.04 7–9 3.0
CSEM VII 04 15 01 03.0–.09 37.24N 28.24E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.9km az=33.4.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=20.0.
ISC VII 04 16 19 58.4–.68 36.99N–.04 29.22E–.04 5–7 43 0-3
ISK VII 04 16 19 57.3 36.99N 29.27E 5 3.0 ¶11514121
DDA VII 04 16 19 57.5 36.99N 29.18E 7–5 3.0
ISCJB VII 04 16 19 58.0–.72 36.99N–.04 29.22E–.04 3–7 3.0
CSEM VII 04 16 19 58.4–.06 37.00N 29.26E 2 3.0
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.4km az=167.7.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=25.0.
ISC VII 04 20 17 20.0–.80 39.77N–.04 26.80E–.05 18–10 33 0-1
ISCJB VII 04 20 17 19.6–.67 39.77N–.03 26.79E–.05 8–10 ¶11514124
DDA VII 04 20 17 19.1 39.78N 26.76E 7–4 2.8
CSEM VII 04 20 17 20.4–.31 39.78N 26.84E 20 2.6
ISK VII 04 20 17 21.9 39.90N 26.86E 19 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=174.4.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.8km az=105.0.
ISC VII 04 21 54 33.1–.64 39.99N–.03 29.09E–.06 7–10 30 1-1
ISK VII 04 21 54 32.6 40.00N 29.06E 6 2.7 ¶11514125
ISCJB VII 04 21 54 33.0–.56 40.00N–.03 29.08E–.05 10 2.7
DDA VII 04 21 54 33.2 39.99N 29.07E 7–3 2.9
CSEM VII 04 21 54 33.0–.05 39.99N 29.10E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=4.4.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=99.0.
ISC VII 04 23 45 43.3–.62 37.03N–.03 29.22E–.04 6–6 48 0-3
ISCJB VII 04 23 45 42.8–.66 37.02N–.03 29.21E–.04 4–6 ¶11514126
DDA VII 04 23 45 42.0 36.98N 29.22E 7–3 2.9
ISK VII 04 23 45 42.4 37.09N 29.25E 2 3.1
CSEM VII 04 23 45 42.9–.19 37.03N 29.25E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=5.0km az=155.1.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=19.0.
ISC VII 04 23 53 27.2–.56 39.45N–.03 33.07E–.03 5–5 64 0-3
DDA VII 04 23 53 26.3 39.42N 33.05E 8–0 3.4 ¶11514127
ISK VII 04 23 53 26.0 39.43N 33.03E 5 3.3
ISCJB VII 04 23 53 27.1–.36 39.47N–.03 33.09E–.03 10 3.3
CSEM VII 04 23 53 27.5–.06 39.43N 33.00E 2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=43.2.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=138.0.
ISC VII 05 00 20 24.1–.57 37.05N–.03 29.23E–.04 8–5 43 0-3
ISK VII 05 00 20 22.3 37.05N 29.26E 5 3.0 ¶11514128
DDA VII 05 00 20 22.6 37.03N 29.15E 7–4 2.9
ISCJB VII 05 00 20 23.4–.65 37.04N–.03 29.22E–.04 4–6 2.9
CSEM VII 05 00 20 23.3–.22 37.04N 29.23E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.0km az=150.9.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=37.0.
ISC VII 05 08 13 12.6–.45 37.06N–.03 29.17E–.03 10–4 103 0-34
IDC VII 05 08 13 11.3–2.0 36.83N 29.18E 0 3.7b,3.4 ¶11514131
CSEM VII 05 08 13 11.9–.16 37.04N 29.16E 8 3.1,3.4
ISCJB VII 05 08 13 11.8–.53 37.06N–.03 29.15E–.02 5–4 3.1,3.4
DDA VII 05 08 13 11.9 36.99N 29.19E 7–4 3.0,3.4
NEIC VII 05 08 13 11.3 37.07N 29.16E 7 3.0,3.4
ISK VII 05 08 13 11.3 37.09N 29.16E 9 3.1,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=24.9km az=155.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=8.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=175.2.
NEIC Event type se. After ISK.
ISC VII 05 10 53 33.9–.42 39.50N–.03 28.00E–.03 8–4 59 0-2
ISCJB VII 05 10 53 33.5–.45 39.50N–.03 27.99E–.03 6–4 ¶11514132
DDA VII 05 10 53 33.2 39.51N 27.99E 20–2 3.1
ISK VII 05 10 53 33.2 39.49N 27.91E 9 2.8
CSEM VII 05 10 53 33.6–.13 39.49N 28.01E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=41.3.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=54.0.
ISC VII 05 12 39 18.0–.57 40.32N–.03 40.24E–.03 8–4 50 0-2
ISCJB VII 05 12 39 17.4–.64 40.32N–.03 40.23E–.03 3–5 ¶11514134
DDA VII 05 12 39 17.3 40.35N 40.27E 7–5 3.1
ISK VII 05 12 39 17.4 40.31N 40.18E 16 2.9
CSEM VII 05 12 39 17.6–.16 40.30N 40.22E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=164.7.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=167.0.
ISC VII 05 20 10 18.9–.47 36.99N–.03 29.22E–.03 3–5 62 0-4
ISK VII 05 20 10 17.9 37.00N 29.24E 6 3.1 ¶11514137
ISCJB VII 05 20 10 18.4–.59 36.99N–.03 29.22E–.03 2–6 3.1
CSEM VII 05 20 10 18.6–.15 37.02N 29.24E 5 3.1
DDA VII 05 20 10 19.1 37.00N 29.17E 32–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.3km az=151.9.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=19.0.
ISC VII 06 01 29 54.2–.54 36.99N–.03 29.16E–.03 6–5 74 0-4
ISK VII 06 01 29 52.7 37.07N 29.16E 5 3.5 ¶11514142
ISCJB VII 06 01 29 53.4–.65 36.98N–.03 29.16E–.03 2–6 3.5
CSEM VII 06 01 29 53.8–.08 36.99N 29.16E 2 3.5
DDA VII 06 01 29 54.2 36.98N 29.20E 7–5 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=4.8.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=18.0.
ISC VII 06 02 27 21.4–.33 39.63N–.02 28.53E–.02 7–2 208 0-4
ISK VII 06 02 27 20.1 39.64N 28.53E 3 3.3,3.2L ¶11514146
NEIC VII 06 02 27 20.0 39.64N 28.53E 5 3.3,3.1
DDA VII 06 02 27 20.9 39.62N 28.51E 15–2 3.2,3.1
ATH VII 06 02 27 20.5 39.62N 28.50E 18–5 3.1,3.1
ISCJB VII 06 02 27 21.0–.34 39.63N–.02 28.52E–.02 7–2 3.1,3.1
CSEM VII 06 02 27 21.1–.06 39.64N 28.54E 5 3.2,3.1
THE VII 06 02 27 23.6 39.58N 28.62E 26–11 3.8L,3.1
ISC Event type ke.
NEIC Event type se. After ISK.
ATH Error ellipse: s-maj=1.4km s-min=4.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=165.0.
THE Event type ke. Error ellipse: s-maj=11.9km s-min=1.1km az=91.0.
ISC VII 06 10 32 02.7–.39 38.16N–.02 38.56E–.03 6–5 52 0-2
ISCJB VII 06 10 32 02.0–.41 38.15N–.02 38.56E–.03 2–6 ¶11514148
ISK VII 06 10 32 01.9 38.15N 38.58E 6 3.0
DDA VII 06 10 32 01.9 38.15N 38.55E 2–1 3.0
CSEM VII 06 10 32 02.1–.18 38.15N 38.58E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=142.8.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=128.0.
ISC VII 06 14 58 34.4–.47 37.00N–.02 29.19E–.02 9–4 111 0-34
IDC VII 06 14 58 32.8–1.5 36.95N 29.09E 0 3.9b,3.8 ¶11514150
CSEM VII 06 14 58 33.7–.12 37.04N 29.19E 2 3.5,3.8
ISCJB VII 06 14 58 33.7–.52 37.00N–.02 29.19E–.03 7–4 3.5,3.8
ISK VII 06 14 58 33.2 37.05N 29.18E 6 3.5,3.8
DDA VII 06 14 58 34.2 37.02N 29.19E 4–0 3.4,3.8
THE VII 06 14 58 36.5 37.02N 29.28E 18–21 3.4,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=23.4km az=112.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=174.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=173.4.
THE Event type ke. Error ellipse: s-maj=22.7km s-min=5.0km az=24.0.
ISC VII 06 17 37 37.5–.51 37.00N–.03 29.18E–.03 4–4 73 0-34
ISCJB VII 06 17 37 36.9–.56 36.98N–.03 29.18E–.03 3–5 ¶11514151
DDA VII 06 17 37 36.8 37.01N 29.17E 7–5 3.5L,3.2
ISK VII 06 17 37 36.4 37.04N 29.22E 2 3.2,3.2
IDC VII 06 17 37 36.9–2.1 36.86N 29.15E 0 3.3b,3.2L
CSEM VII 06 17 37 38.0–.09 37.02N 29.20E 8 3.2,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=19.2.
IDC Error ellipse: s-maj=48.5km s-min=26.7km az=148.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=1.0.
CSEM VII 07 09 17 27.5–.54 37.38N 28.10E 10 2.8
DDA VII 07 09 17 27.8 37.37N 28.00E 7–3 2.8 ¶13596492
CSEM Event type ke. Error ellipse: s-maj=14.3km s-min=8.2km az=39.0.
ISC VII 07 13 05 45.1–.59 40.18N–.06 41.12E–.06 27–10 21 0-1
DDA VII 07 13 05 44.9 40.19N 41.07E 7–2 2.6 ¶13596496
CSEM VII 07 13 05 44.4–.23 40.22N 41.03E 15 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=5.1km az=87.0.
ISC VII 07 22 49 50.1–.50 37.94N–.03 37.93E–.04 18–6 35 0-2
DDA VII 07 22 49 49.7 37.93N 37.94E 7–4 2.9 ¶13596498
ISK VII 07 22 49 49.6 37.96N 37.89E 18 3.0
CSEM VII 07 22 49 49.7–.19 37.94N 37.93E 16–2 2.9
ISCJB VII 07 22 49 50.4–.50 37.95N–.03 37.94E–.05 23–8 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 08 02 32 37.8–.58 38.72N–.04 31.20E–.03 7–6 40 0-1
ISCJB VII 08 02 32 37.3–.63 38.72N–.04 31.20E–.03 1–7 ¶11514162
ISK VII 08 02 32 37.0 38.72N 31.19E 13 2.6
CSEM VII 08 02 32 37.4–.13 38.71N 31.20E 5 2.9
DDA VII 08 02 32 38.7 38.76N 31.10E 7–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=161.4.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=178.0.
ISC VII 08 07 20 25.5–.59 36.97N–.04 29.13E–.04 8–5 46 0-3
ISCJB VII 08 07 20 25.0–.62 36.96N–.04 29.13E–.04 5–6 ¶11514163
CSEM VII 08 07 20 25.2–.21 36.99N 29.13E 8 3.0
ISK VII 08 07 20 25.0 37.03N 29.15E 11 3.0
DDA VII 08 07 20 26.0 36.99N 29.18E 7–4 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.2km az=177.9.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=179.0.
ISC VII 08 10 33 40.7–.65 37.00N–.04 29.23E–.04 9–5 44 0-2
ISCJB VII 08 10 33 40.4–.73 37.00N–.04 29.24E–.04 7–6 ¶11514165
DDA VII 08 10 33 40.4 37.00N 29.17E 7–6 3.0
CSEM VII 08 10 33 40.3–.09 37.00N 29.24E 5 3.0
ISK VII 08 10 33 40.2 37.03N 29.23E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.6km az=175.9.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=10.0.
ISC VII 08 10 38 03.2–.62 37.00N–.04 29.16E–.03 1–8 44 0-2
DDA VII 08 10 38 03.0 36.98N 29.17E 7–6 2.8 ¶11514166
ISK VII 08 10 38 02.3 37.06N 29.19E 2 2.8
ISCJB VII 08 10 38 03.5–.55 37.02N–.04 29.18E–.03 10 2.8
CSEM VII 08 10 38 03.0–.12 37.00N 29.19E 0–1 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=174.8.
CSEM Event type ke.
ISC VII 08 21 10 16.8–.32 39.95N–.02 27.42E–.02 9–3 118 0-2
NEIC VII 08 21 10 15.0 39.95N 27.42E 6 3.3,3.1 ¶11514169
ISCJB VII 08 21 10 16.2–.37 39.94N–.02 27.41E–.02 4–3 3.3,3.1
DDA VII 08 21 10 16.4 39.93N 27.44E 7–2 3.0,3.1
ISK VII 08 21 10 16.0 39.95N 27.43E 8 3.1,3.1
CSEM VII 08 21 10 16.5–.08 39.94N 27.42E 8 3.1,3.1
THE VII 08 21 10 18.0 39.91N 27.35E 3–1 3.0L,3.1
ATH VII 08 21 10 20.0 40.00N 27.02E 5 3.3,3.1
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=166.2.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=72.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=99.0.
ATH Error ellipse: s-maj=3.6km s-min=13.6km az=-1.0.
ISC VII 09 02 07 09.2–.51 37.04N–.03 29.22E–.03 12–4 58 0-3
DDA VII 09 02 07 07.2 36.93N 29.23E 6–3 3.0 ¶11514170
ISK VII 09 02 07 07.8 37.06N 29.20E 9 3.1
ISCJB VII 09 02 07 08.9–.58 37.04N–.04 29.23E–.03 11–5 3.1
CSEM VII 09 02 07 08.5–.15 37.02N 29.21E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.5km az=8.7.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=3.0.
ISC VII 09 04 54 48.6–.28 40.43N–.01 28.72E–.02 6–2 218 0-6
SOF VII 09 04 54 37.9 39.30N 28.66E 2 3.0 ¶11514171
ISCJB VII 09 04 54 47.9–.31 40.43N–.01 28.71E–.02 4–3 3.0
ISK VII 09 04 54 48.0 40.44N 28.72E 6 3.6L
DDA VII 09 04 54 48.1 40.42N 28.74E 13–1 3.4
CSEM VII 09 04 54 48.4–.07 40.42N 28.71E 5 3.6L
NEIC VII 09 04 54 48.0 40.47N 28.72E 3 3.6L
THE VII 09 04 54 48.9 40.34N 28.83E 13–10 4.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=40.6.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=7.0.
NEIC Event type se. After ISK.
THE Event type ke. Error ellipse: s-maj=13.6km s-min=2.0km az=85.0.
ISC VII 09 07 24 42.8–.43 40.80N–.03 30.88E–.03 8–3 79 0-3
DDA VII 09 07 24 41.7 40.79N 30.84E 16–1 3.3 ¶11514172
ISK VII 09 07 24 41.7 40.82N 30.88E 6 3.4L
ISCJB VII 09 07 24 42.5–.42 40.80N–.03 30.86E–.03 7–3 3.4L
CSEM VII 09 07 24 42.4–.14 40.80N 30.88E 6–1 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=16.2.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=15.0.
ISC VII 09 09 03 34.2–.40 40.83N–.02 33.78E–.03 1–4 76 0-3
ISCJB VII 09 09 03 33.7–.47 40.83N–.02 33.79E–.03 1–4 ¶11514174
DDA VII 09 09 03 33.6 40.81N 33.78E 15–1 3.5L,3.3
ISK VII 09 09 03 33.4 40.83N 33.76E 5 3.4,3.4L
CSEM VII 09 09 03 33.8–.14 40.84N 33.76E 2 3.5L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.5km az=170.8.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=156.0.
ISK VII 09 11 54 42.9 38.25N 36.96E 4 2.9
DDA VII 09 11 54 42.6 38.29N 36.81E 8–7 3.0 ¶11514179
CSEM VII 09 11 54 43.1–.14 38.22N 36.92E 5 2.9
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=77.0.
ISC VII 09 15 11 01.2–.67 37.25N–.05 28.27E–.05 12–10 28 0-1
ISK VII 09 15 10 57.4 37.44N 28.38E 6 2.8 ¶11514181
CSEM VII 09 15 11 00.6–.26 37.24N 28.28E 17–3 2.8
ISCJB VII 09 15 11 01.1–.65 37.26N–.05 28.26E–.05 3–14 2.8
DDA VII 09 15 11 01.2 37.25N 28.23E 7–4 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=5.4km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.3km az=40.8.
ISC VII 09 16 38 55.6–.66 37.54N–.05 35.71E–.05 14–5 29 0-2
DDA VII 09 16 38 54.8 37.53N 35.73E 7–5 2.8 ¶11514182
ISCJB VII 09 16 38 55.4–.66 37.54N–.04 35.71E–.05 12–5 2.8
CSEM VII 09 16 38 55.4–.13 37.54N 35.70E 12 2.7
ISK VII 09 16 38 55.2 37.51N 35.70E 14 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=7.0km az=1.3.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=12.0.
ISC VII 09 21 02 23.9–.76 38.01N–.04 43.10E–.07 8–9 26 0-2
DDA VII 09 21 02 22.2 37.97N 43.02E 7–4 2.9 ¶11514185
ISCJB VII 09 21 02 23.3–.78 38.00N–.04 43.08E–.07 3–11 2.9
CSEM VII 09 21 02 23.6–.56 38.02N 43.12E 2 2.6
ISK VII 09 21 02 25.0 38.09N 43.66E 16 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.6km az=147.6.
CSEM Event type ke. Error ellipse: s-maj=14.7km s-min=8.2km az=66.0.
ISC VII 09 22 46 45.9–.54 37.17N–.04 28.33E–.04 6–6 34 0-1
ISK VII 09 22 46 44.8 37.21N 28.32E 6 2.6 ¶11514186
ISCJB VII 09 22 46 45.6–.58 37.18N–.04 28.32E–.05 6–9 2.6
CSEM VII 09 22 46 45.4–.10 37.21N 28.32E 5 2.6
DDA VII 09 22 46 45.9 37.15N 28.27E 7–7 2.9

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.0km az=41.9.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=173.0.
ISC VII 10 00 44 17.2–.58 36.85N–.04 35.96E–.04 15–7 29 0-2
DDA VII 10 00 44 18.0 36.76N 36.01E 10–2 2.8 **¶11514187**
ISCJB VII 10 00 44 18.3–.57 36.98N–.05 35.99E–.04 15–6 2.8
ISK VII 10 00 44 18.3 37.00N 35.98E 2 2.6
CSEM VII 10 00 44 18.4–.31 36.97N 35.98E 20 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.8km az=14.2.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=6.3km az=7.0.
ISC VII 10 07 49 54.8–.25 39.994N–.01 27.71E–.01 8–1 4.3b,3.8s 864 0-98
BJI VII 10 07 49 52.2 40.00N 27.70E 13 4.9b,4.8s **¶13388659**
ISCJB VII 10 07 49 53.7–.24 40.006N–.01 27.70E–.01 10–1 4.3b,3.8s
DDA VII 10 07 49 53.5 40.00N 27.73E 27–1 4.7L,3.8s
ATH VII 10 07 49 53.1 40.00N 27.72E 22–2 4.5,4.4L
ISK VII 10 07 49 53.9 40.01N 27.72E 13 4.9L,4.4L
IDC VII 10 07 49 53.8–.69 40.05N 27.58E 0 4.2L,4.2b
NEIC VII 10 07 49 53.7 40.00N 27.70E 13 4.9L,4.4L
SOF VII 10 07 49 54.9 40.22N 27.57E 2 3.9,4.4L
CSEM VII 10 07 49 54.8–.06 40.00N 27.71E 10 4.4b,4.4L
MOS VII 10 07 49 54.0–1.2 40.05N 27.68E 10 4.5b,4.4L
THE VII 10 07 49 55.3 39.98N 27.66E 6–1 5.5L,4.4L
BEO VII 10 07 49 56.9–.75 40.36N 27.72E 0–0 4.6L,4.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=141.1.
ATH Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=14.5km s-min=11.4km az=18.0.
NEIC Event type fe. Felt at Bursa, Buyukcekmece and Istanbul. After ISK.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=46.0.
MOS Error ellipse: s-maj=4.0km s-min=2.7km az=110.8.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=69.0.
ISC VII 10 09 02 37.3–.34 40.01N–.02 27.71E–.04 11–3 88 0-3
ISCJB VII 10 09 02 36.9–.35 40.01N–.02 27.72E–.04 9–3 **¶11514193**
DDA VII 10 09 02 36.5 40.00N 27.72E 14–1 3.0
ISK VII 10 09 02 36.5 40.00N 27.72E 11 3.3
CSEM VII 10 09 02 37.1–.08 40.01N 27.70E 10 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=167.2.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=51.0.
ISC VII 10 09 54 29.0–.77 37.01N–.06 29.29E–.07 16–7 23 0-1
DDA VII 10 09 54 27.2 36.95N 29.20E 7–3 2.8 **¶11514195**
ISCJB VII 10 09 54 28.7–.81 37.00N–.05 29.27E–.06 11–7 2.8
ISK VII 10 09 54 28.0 37.03N 29.27E 15 2.8
CSEM VII 10 09 54 28.4–.25 37.02N 29.29E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=7.3km az=155.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.7km az=7.0.
ISC VII 10 10 05 31.1–.53 37.03N–.03 29.18E–.04 10 35 0-1
DDA VII 10 10 05 29.4 36.98N 29.15E 7–4 2.8 **¶11514196**
ISK VII 10 10 05 29.5 37.05N 29.21E 5 2.7
ISCJB VII 10 10 05 30.7–.52 37.03N–.03 29.20E–.04 10 2.7
CSEM VII 10 10 05 30.8–.29 37.06N 29.28E 20 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=43.2.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=6.2km az=23.0.
ISC VII 10 14 41 39.2–.57 38.25N–.05 38.09E–.05 20–4 33 0-2
ISK VII 10 14 41 37.6 38.30N 37.99E 11 2.8 **¶11514199**
CSEM VII 10 14 41 38.6–.11 38.25N 38.05E 18–0 2.8
ISCJB VII 10 14 41 39.3–.59 38.23N–.05 38.06E–.05 20–6 2.8
DDA VII 10 14 41 39.6 38.31N 38.14E 7–4 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.1km az=166.5.
ISC VII 10 19 46 40.9–.46 36.95N–.02 29.20E–.02 3–3 3.4b 155 0-40
IDC VII 10 19 46 39.6–1.6 36.98N 29.16E 0 3.7,3.6L **¶11514200**
DDA VII 10 19 46 40.4 36.97N 29.17E 7–3 3.5,3.6L
CSEM VII 10 19 46 40.5–.11 36.92N 29.18E 5 3.7,3.6L
ISK VII 10 19 46 40.1 36.96N 29.19E 6 3.7,3.5L
NEIC VII 10 19 46 40.0 36.96N 29.19E 6 3.6L,3.5L
ISCJB VII 10 19 46 40.6–.50 36.95N–.02 29.22E–.02 6–4 3.4b,3.5L
HLW VII 10 19 46 47.1 36.64N 30.04E 10–13 3.6,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=28.1km s-min=21.3km az=30.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=42.0.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=9.8.
ISC VII 10 21 55 57.5–.53 39.11N–.03 35.97E–.03 7–6 49 1-4
ISCJB VII 10 21 55 56.6–.60 39.11N–.03 35.97E–.03 2–6 **¶11514202**
ISK VII 10 21 55 56.2 39.12N 35.96E 7 3.3
DDA VII 10 21 55 57.3 39.09N 36.05E 7–3 2.9
CSEM VII 10 21 55 57.1–.24 39.12N 35.97E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.4km az=146.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.6km az=148.0.
DDA VII 11 01 15 12.2 39.67N 41.10E 7–3 3.6
CSEM VII 11 01 15 12.2 39.67N 41.10E 7 3.6 **¶13596633**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VII 11 09 42 09.9–.59 37.06N–.04 29.29E–.06 11–8 28 0-1
ISCJB VII 11 09 42 09.6–.72 37.05N–.04 29.29E–.06 9–9 **¶11514203**
DDA VII 11 09 42 09.0 37.04N 29.21E 7–3 2.8
ISK VII 11 09 42 09.6 37.10N 29.35E 5 2.5
CSEM VII 11 09 42 09.8–.19 37.10N 29.33E 10 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.0km az=137.9.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.4km az=36.0.
ISC VII 11 10 05 30.1–.81 36.99N–.05 29.15E–.04 10–6 36 0-3
ISCJB VII 11 10 05 29.5–.87 36.98N–.05 29.15E–.04 5–6 **¶11514204**
ISK VII 11 10 05 29.4 36.96N 29.21E 13 2.8
CSEM VII 11 10 05 29.6–.12 36.98N 29.16E 12 2.8
DDA VII 11 10 05 31.4 37.08N 29.19E 7–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.3km az=11.2.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=169.0.
ISK VII 11 10 12 41.9 37.03N 29.15E 5 3.0
DDA VII 11 10 12 43.8 37.02N 29.17E 4–4 3.0 **¶11514205**
CSEM VII 11 10 12 43.6–.16 37.02N 29.16E 8 3.0
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=9.0.
ISC VII 11 11 07 44.8–.58 39.45N–.03 37.10E–.05 12–6 36 0-2
DDA VII 11 11 07 43.8 39.44N 37.14E 7–5 2.6 **¶11514209**
ISK VII 11 11 07 43.5 39.41N 37.05E 10 2.8
CSEM VII 11 11 07 43.7–.08 39.39N 37.06E 5 2.6
ISCJB VII 11 11 07 44.0–.61 39.43N–.03 37.12E–.05 7–6 2.6
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 11 13 15 52.8–.31 40.00N–.02 27.74E–.03 7–4 79 0-2
ISCJB VII 11 13 15 52.5–.34 40.00N–.02 27.74E–.03 6–3 **¶11514210**
DDA VII 11 13 15 52.0 39.98N 27.74E 7–4 2.9
ISK VII 11 13 15 52.1 39.99N 27.76E 8 2.7
CSEM VII 11 13 15 52.6–.10 40.00N 27.74E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=153.4.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=60.0.
ISC VII 11 14 11 51.4–.37 37.04N–.02 29.16E–.01 5–2 4.3b,3.1s 471 0-64
THE VII 11 14 11 46.5 36.83N 30.02E 28–50 5.1L,3.1s **¶13388736**
IDC VII 11 14 11 48.7–1.0 36.94N 29.21E 0 4.1,4.1L
MOS VII 11 14 11 49.2–.79 36.97N 29.23E 10 4.3b,4.1L
NEIC VII 11 14 11 49.7 37.05N 29.15E 3 4.1b,4.1L
DDA VII 11 14 11 49.5 36.98N 29.14E 26–1 3.8L,3.7
CSEM VII 11 14 11 50.4–.09 36.98N 29.17E 2 4.2b,3.4W
ISCJB VII 11 14 11 50.8–.39 37.06N–.02 29.16E–.01 10–3 4.3b,3.1s
ISK VII 11 14 11 50.3 37.05N 29.15E 6 4.1L,3.1s
NIC VII 11 14 11 51.2–.20 36.96N 29.00E 7 4.1b,3.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=50.2km s-min=2.2km az=103.0.
IDC Error ellipse: s-maj=22.0km s-min=13.7km az=30.0.
MOS Error ellipse: s-maj=6.6km s-min=4.3km az=117.9.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=7.7.
NIC Moment Tensor Solution. $M_0 2.20000 \times 10^{14}$
ISC VII 11 15 00 35.2–.58 37.25N–.04 28.21E–.04 0–10 33 0-2
ISCJB VII 11 15 00 35.0–.49 37.22N–.04 28.18E–.03 10 **¶11514212**
ISK VII 11 15 00 34.6 37.19N 28.18E 9 2.7
DDA VII 11 15 00 34.8 37.25N 28.19E 7–4 2.8
CSEM VII 11 15 00 34.8–.10 37.24N 28.22E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=8.5.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=22.0.
ISC VII 11 15 23 42.1–.73 38.41N–.04 39.30E–.04 7–8 29 0-1
ISCJB VII 11 15 23 41.7–.58 38.41N–.04 39.31E–.04 7–4 **¶11514213**
DDA VII 11 15 23 41.3 38.43N 39.30E 5–3 2.8
CSEM VII 11 15 23 41.8–.13 38.42N 39.29E 8 2.6
ISK VII 11 15 23 41.5 38.42N 39.28E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.1km az=32.8.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=23.0.
ISC VII 11 16 25 27.9–.68 36.99N–.04 29.17E–.04 5–9 31 0-2
ISCJB VII 11 16 25 27.6–.80 37.00N–.04 29.17E–.04 2–9 **¶11514214**
DDA VII 11 16 25 27.2 37.01N 29.17E 7–2 3.0
ISK VII 11 16 25 27.6 36.97N 29.24E 8 3.0
CSEM VII 11 16 25 27.5–.19 36.97N 29.19E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.5km az=20.4.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=73.0.
ISC VII 11 17 04 27.3–.46 37.04N–.03 29.18E–.03 11–4 55 0-2
ISCJB VII 11 17 04 26.9–.53 37.04N–.03 29.18E–.03 6–5 **¶11514217**
DDA VII 11 17 04 26.4 37.02N 29.15E 7–4 3.3
ISK VII 11 17 04 26.4 37.07N 29.19E 9 3.0
CSEM VII 11 17 04 27.0–.07 37.08N 29.22E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=19.2.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=9.0.
ISC VII 11 23 06 14.0–.57 39.37N–.03 41.09E–.04 4–5 35 0-2
ISK VII 11 23 06 13.7 39.41N 41.02E 16 2.8 **¶11514224**
DDA VII 11 23 06 13.1 39.35N 41.06E 15–1 3.1
ISCJB VII 11 23 06 14.1–.42 39.37N–.02 41.07E–.04 10 3.1
CSEM VII 11 23 06 14.0–.23 39.40N 41.05E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=18.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.4km az=135.0.
ISC VII 12 00 32 36.6–.53 39.28N–.02 41.39E–.04 2–6 40 0-2
DDA VII 12 00 32 35.8 39.30N 41.38E 7–5 2.9 **¶11514225**
CSEM VII 12 00 32 35.5–.27 39.27N 41.37E 2 2.8
ISCJB VII 12 00 32 36.9–.42 39.27N–.03 41.37E–.04 10 2.8
ISK VII 12 00 32 36.5 39.36N 41.36E 17 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.8km az=36.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=7.9.
ISC VII 12 00 50 30.5–.49 38.84N–.03 40.29E–.03 17–4 38 0-2
DDA VII 12 00 50 29.5 38.82N 40.32E 7–5 3.0 **¶11514226**
ISCJB VII 12 00 50 30.7–.44 38.85N–.03 40.30E–.04 21–5 3.0
ISK VII 12 00 50 30.0 38.91N 40.22E 17 2.9
CSEM VII 12 00 50 30.4–.09 38.84N 40.25E 19–0 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=154.4.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.6km az=139.0.
ISC VII 12 01 02 55.6–.54 37.01N–.03 29.20E–.04 8–6 45 0-2
ISK VII 12 01 02 54.4 37.04N 29.22E 9 3.0 **¶11514227**
ISCJB VII 12 01 02 55.0–.60 37.01N–.03 29.19E–.04 4–7 3.0
DDA VII 12 01 02 55.4 36.99N 29.17E 7–4 2.9
CSEM VII 12 01 02 55.1–.16 37.01N 29.21E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.9km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=13.0.
ISC VII 12 04 56 03.2–.52 37.16N–.05 29.37E–.06 35–4 33 0-2
DDA VII 12 04 56 01.5 37.01N 29.15E 7–4 3.0 **¶11514229**
ISK VII 12 04 56 01.2 37.11N 29.18E 17 2.8
CSEM VII 12 04 56 02.2–.27 37.08N 29.23E 20 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=41.0.
ISC VII 12 05 27 39.2–.64 37.15N–.03 30.76E–.05 4–6 48 0-139
DDA VII 12 05 27 37.9 37.11N 30.77E 17–5 3.1 **¶11514230**
ISCJB VII 12 05 27 38.8–.62 37.16N–.03 30.75E–.04 3–6 3.1
ISK VII 12 05 27 38.9 37.17N 30.72E 6 2.8
CSEM VII 12 05 27 39.2–.08 37.16N 30.72E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=8.7.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=133.0.
ISC VII 12 05 54 04.3–.40 39.23N–.02 41.73E–.02 1–3 3.8b 145 1-46
NEIC VII 12 05 54 03.5 39.29N 41.74E 5 4.0L,3.9b **¶11514231**
ISCJB VII 12 05 54 03.8–.41 39.24N–.02 41.74E–.02 3–3 3.7b,3.9b
DDA VII 12 05 54 03.8 39.21N 41.67E 24–1 4.0,3.9b
ISK VII 12 05 54 03.4 39.28N 41.72E 5 4.0L,3.9b
IDC VII 12 05 54 05.0–.99 39.43N 41.80E 0 3.8b,3.7
CSEM VII 12 05 54 04.3–.15 39.27N 41.73E 2 4.0L,3.7
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=139.4.
IDC Error ellipse: s-maj=21.4km s-min=13.2km az=167.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=11.0.
ISC VII 12 21 22 01.7–.51 40.47N–.03 42.37E–.04 5–9 36 1-2
ISCJB VII 12 21 22 01.2–.58 40.47N–.03 42.37E–.04 8–6 **¶11514239**
DDA VII 12 21 22 01.4 40.52N 42.42E 7–2 3.0
ISK VII 12 21 22 01.2 40.50N 42.37E 9 3.0
CSEM VII 12 21 22 01.3–.19 40.48N 42.37E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=34.3.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=28.0.
ISC VII 12 21 50 29.2–.45 40.14N–.03 26.91E–.04 9–6 41 0-2
ISCJB VII 12 21 50 28.8–.50 40.14N–.03 26.91E–.04 8–6 **¶11514240**
DDA VII 12 21 50 28.7 40.12N 26.96E 7–5 2.8
ISK VII 12 21 50 28.5 40.15N 26.90E 5 2.7
CSEM VII 12 21 50 29.1–.08 40.15N 26.90E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.9km az=42.5.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=62.0.
ISC VII 13 13 19 58.6–.47 38.90N–.02 27.87E–.03 2–4 108 0-3
DDA VII 13 13 19 57.0 38.89N 27.92E 3–3 2.8 **¶11514245**
NEIC VII 13 13 19 56.5 38.93N 27.94E 16 3.6,3.3
ATH VII 13 13 19 56.5 38.93N 27.94E 16–2 3.6,3.3
ISK VII 13 13 19 57.7 38.90N 27.90E 2 3.2,3.3
CSEM VII 13 13 19 58.5–.14 38.90N 27.86E 2 3.2,3.3
ISCJB VII 13 13 19 58.1–.52 38.90N–.02 27.88E–.03 1–4 3.2,3.3
ISC Event type ke.
NEIC Event type se. After ATH.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 13 13 56 09.0–.43 38.91N–.03 27.89E–.04 3–4 66 0-2
DDA VII 13 13 56 07.9 38.92N 27.92E 3–1 2.8 **¶11514246**
ISCJB VII 13 13 56 08.5–.49 38.92N–.03 27.90E–.04 1–5 2.8

CSEM VII 13 13 56 08.7–.05 38.92N 27.89E 2 3.0
ISK VII 13 13 56 08.4 38.92N 27.88E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=33.6.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=117.0.
ISC VII 13 14 30 53.1–.44 38.92N–.02 27.85E–.03 0–4 143 0-3
THE VII 13 14 30 51.6 38.80N 27.98E 0–6 4.0L **¶11514247**
NEIC VII 13 14 30 52.0 38.92N 27.80E 7 3.5,3.2L
CSEM VII 13 14 30 52.9–.10 38.93N 27.82E 2 3.2L,3.2L
DDA VII 13 14 30 52.2 38.93N 27.89E 3–2 2.6,3.2L
ISK VII 13 14 30 52.6 38.92N 27.79E 6 3.2L,3.2L
ATH VII 13 14 30 53.1 38.88N 27.85E 5 3.5,3.2L
ISCJB VII 13 14 30 53.4–.27 38.92N–.02 27.86E–.03 10 3.5,3.2L
ISC Event type ke.
THE Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 13 14 34 44.6–.38 38.92N–.02 27.85E–.05 9–3 83 0-3
ISK VII 13 14 34 43.8 38.93N 27.81E 13 3.3 **¶11514248**
DDA VII 13 14 34 44.0 38.90N 27.91E 7–1 3.0
ISCJB VII 13 14 34 44.0–.40 38.93N–.02 27.86E–.05 8–4 3.0
CSEM VII 13 14 34 44.3–.10 38.93N 27.83E 8 3.3
NEIC VII 13 14 34 46.2 39.18N 26.32E 43 3.3,3.2
ATH VII 13 14 34 46.2 39.18N 26.32E 43–4 3.2,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=13.9.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=106.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=3.2km s-min=6.9km az=-1.0.
ISC VII 13 14 54 47.4–.49 38.90N–.03 27.91E–.05 6–6 37 0-2
ISCJB VII 13 14 54 47.0–.50 38.90N–.04 27.91E–.05 5–6 **¶11514249**
DDA VII 13 14 54 46.5 38.89N 27.92E 7–2 2.6
ISK VII 13 14 54 46.6 38.90N 27.91E 5 2.8
CSEM VII 13 14 54 47.2–.08 38.90N 27.91E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.5km az=141.8.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=98.0.
ISC VII 13 19 04 43.3–.36 39.32N–.02 27.73E–.03 11–4 65 0-2
ISCJB VII 13 19 04 42.7–.41 39.32N–.02 27.71E–.03 6–4 **¶11514253**
ISK VII 13 19 04 42.3 39.32N 27.71E 8 2.8
DDA VII 13 19 04 42.4 39.32N 27.75E 7–4 2.9
CSEM VII 13 19 04 43.0–.09 39.32N 27.73E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=6.5.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=95.0.
ISC VII 13 23 08 48.1–.67 37.42N–.05 36.34E–.04 12–8 24 0-2
CSEM VII 13 23 08 46.8–.55 37.64N 36.33E 15 2.9 **¶11514257**
ISCJB VII 13 23 08 47.8–.69 37.39N–.06 36.34E–.04 5–11 2.9
DDA VII 13 23 08 48.0 37.42N 36.36E 7–4 2.9
ISK VII 13 23 08 47.4 37.45N 36.35E 11 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.5km s-min=11.2km az=171.0.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.7km az=174.1.
ISC VII 14 09 36 41.0–1.1 37.23N–.04 28.23E–.04 12–20 26 0-1
ISK VII 14 09 36 37.8 37.32N 28.29E 24 2.4 **¶11514263**
ISCJB VII 14 09 36 40.6–.56 37.23N–.04 28.23E–.03 10 2.4
CSEM VII 14 09 36 40.2–.21 37.23N 28.21E 15 2.4
DDA VII 14 09 36 40.6 37.24N 28.27E 7–5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=5.7.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=9.0.
ISC VII 14 10 32 08.7–.45 37.98N–.01 30.93E–.02 1–3 4.0b,2.9s 296 0-76
ISK VII 14 10 32 06.9 37.97N 30.92E 5 3.9L,2.9s **¶11153397**
NEIC VII 14 10 32 07.0 37.98N 30.92E 5 4.1b,3.9L
IDC VII 14 10 32 07.4–.96 37.86N 30.96E 0 4.0L,3.8
CSEM VII 14 10 32 08.8–.09 37.98N 30.92E 2 4.3b,3.2W
DDA VII 14 10 32 08.8 38.00N 30.90E 34–1 3.6,3.2W
ISCJB VII 14 10 32 08.1–.43 37.99N–.01 30.94E–.02 5–3 3.9b,2.9s
NIC VII 14 10 32 09.7–.20 38.15N 30.75E 25 4.1b,3.7L
ISC Event type ke.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=21.8km s-min=16.9km az=80.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=151.3.
NIC Moment Tensor Solution. $M_0$4.40000×10^{13}
ISC VII 14 12 56 08.7–.76 37.98N–.03 30.96E–.05 0–7 41 0-2
ISK VII 14 12 56 07.7 37.97N 30.92E 14 2.8 **¶11514265**
ISCJB VII 14 12 56 09.0–.46 37.96N–.03 30.92E–.04 10 2.8
CSEM VII 14 12 56 08.2–.18 37.95N 30.98E 8 2.8
DDA VII 14 12 56 08.5 37.94N 30.91E 8–3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=168.9.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=91.0.
ISC VII 14 16 02 13.1–.26 40.74N–.02 27.32E–.02 12–2 226 0-7
CSEM VII 14 16 02 12.9–.08 40.74N 27.33E 10 3.7L **¶11514267**
ISK VII 14 16 02 12.3 40.74N 27.36E 8 3.7L
ISCJB VII 14 16 02 12.5–.27 40.76N–.02 27.32E–.02 13–2 3.7L
ATH VII 14 16 02 12.1 40.75N 27.35E 29–8 3.6
DDA VII 14 16 02 12.5 40.73N 27.39E 17–1 3.7
NEIC VII 14 16 02 12.0 40.73N 27.37E 10 3.7L,3.6
THE VII 14 16 02 15.1 40.73N 27.23E 21–2 4.1L,3.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=178.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=170.1.
ATH Error ellipse: s-maj=4.5km s-min=6.2km az=-1.0.
NEIC Event type se. After ISK.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=302.0.
ISC VII 14 19 51 59.7–.61 38.85N–.03 43.63E–.06 14–7 27 0-2
ISCJB VII 14 19 51 59.4–.60 38.86N–.03 43.63E–.06 12–6 **¶11514270**
CSEM VII 14 19 51 59.4–.26 38.86N 43.61E 10 3.1
ISK VII 14 19 51 59.4 38.88N 43.62E 8 2.7
DDA VII 14 19 52 00.7 38.74N 43.29E 7–11 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.5km az=10.5.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.3km az=102.0.
ISC VII 15 02 44 18.3–.53 37.05N–.03 29.23E–.03 9–4 66 0-3
ISCJB VII 15 02 44 17.6–.60 37.04N–.03 29.22E–.03 5–5 **¶11514274**
CSEM VII 15 02 44 17.9–.17 37.06N 29.23E 8 3.1
DDA VII 15 02 44 17.9 37.06N 29.21E 7–7 3.2
ISK VII 15 02 44 17.2 37.05N 29.22E 6 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=15.2.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=11.0.
ISC VII 15 02 57 25.6–.61 36.99N–.04 29.22E–.03 1–7 43 0-3
ISCJB VII 15 02 57 25.5–.72 36.99N–.04 29.24E–.04 3–8 **¶11514275**
CSEM VII 15 02 57 25.6–.23 37.00N 29.25E 2 2.8
DDA VII 15 02 57 26.7 37.06N 29.18E 3–0 3.0
ISK VII 15 02 57 26.0 37.00N 29.30E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.3km az=23.5.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.3km az=3.0.
ISC VII 15 07 12 22.7–.55 37.04N–.03 29.17E–.04 8–6 50 0-2
ISCJB VII 15 07 12 22.0–.65 37.03N–.03 29.16E–.04 0–8 **¶11514285**
ISK VII 15 07 12 21.6 37.06N 29.21E 2 2.9
DDA VII 15 07 12 22.2 37.05N 29.13E 13–6 2.9
CSEM VII 15 07 12 22.2–.09 37.05N 29.17E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=5.0km az=178.3.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.3km az=18.0.
ISC VII 15 09 19 49.5–.28 40.38N–.01 27.43E–.02 8–2 315 0-9
NEIC VII 15 09 19 48.0 40.37N 27.45E 6 4.1L,3.8 **¶11514289**
DDA VII 15 09 19 48.6 40.36N 27.44E 25–0 4.2L,3.8
THE VII 15 09 19 49.9 40.38N 27.35E 1–2 4.5L,3.8
ISCJB VII 15 09 19 49.2–.28 40.41N–.01 27.42E–.02 12–2 4.5L,3.8
ATH VII 15 09 19 49.0 40.40N 27.57E 44–14 3.8,3.8
ISK VII 15 09 19 49.1 40.37N 27.44E 12 4.2L,3.8
CSEM VII 15 09 19 49.6–.07 40.38N 27.42E 10 4.2L,3.8
SOF VII 15 09 19 49.1 40.45N 27.32E 6 3.6,3.8
ISC Event type ke.
NEIC Event type se. After ISK.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=1.7km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=39.3.
ATH Error ellipse: s-maj=2.9km s-min=9.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=37.0.
ISC VII 15 13 32 15.0–.88 38.57N–.04 43.5E–.10 9–11 21 0-1
DDA VII 15 13 32 12.5 38.50N 43.61E 7–0 3.2 **¶11514291**
ISCJB VII 15 13 32 14.5–.90 38.57N–.04 43.53E–.09 7–7 3.2
ISK VII 15 13 32 14.8 38.58N 43.47E 4 2.7
CSEM VII 15 13 32 15.3–.31 38.57N 43.47E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=6.4km az=168.7.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=5.6km az=91.0.
ISC VII 15 16 46 43.5–.74 39.65N–.05 27.88E–.04 11–4 43 0-1
ISCJB VII 15 16 46 43.3–.65 39.67N–.05 27.90E–.04 7–5 **¶11514295**
DDA VII 15 16 46 43.6 39.70N 27.88E 7–3 2.7
ISK VII 15 16 46 43.2 39.70N 27.87E 5 1.9L
CSEM VII 15 16 46 43.4–.22 39.68N 27.89E 8 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.7km az=5.2.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=19.0.
ISC VII 15 17 01 29.4–.64 38.33N–.05 31.80E–.05 8–15 24 0-1
DDA VII 15 17 01 27.5 38.25N 31.81E 7–1 2.8 **¶11514296**
ISCJB VII 15 17 01 28.9–.62 38.33N–.04 31.81E–.05 10 2.8
ISK VII 15 17 01 28.2 38.33N 31.81E 4 2.8
CSEM VII 15 17 01 29.0–.17 38.34N 31.82E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.4km az=32.6.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=42.0.
ISC VII 15 21 54 49.2–.39 39.41N–.02 26.25E–.03 10–3 141 0-4
ATH VII 15 21 54 47.7 39.37N 26.30E 26–0 3.6 **¶11514298**
ISCJB VII 15 21 54 48.5–.38 39.41N–.02 26.24E–.03 10–3 3.6
CSEM VII 15 21 54 48.9–.12 39.40N 26.22E 10 3.6
NEIC VII 15 21 54 49.0 39.52N 26.38E 2 3.6,3.2
ISK VII 15 21 54 49.6 39.49N 26.37E 6 3.2,3.2
THE VII 15 21 54 49.4 39.38N 26.27E 10–1 3.4L,3.2
SOF VII 15 21 54 50.0 39.70N 26.31E 2 2.7,3.2
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=1.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=126.0.
NEIC Event type se. After ISK.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=219.0.
ISK VII 15 23 35 29.6 39.57N 39.77E 2 3.2
DDA VII 15 23 35 28.8 39.52N 39.86E 7–1 3.0 **¶11514300**
CSEM VII 15 23 35 30.5–.17 39.59N 39.77E 2 3.2
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.9km az=112.0.
ISC VII 16 08 27 44.9–.50 38.36N–.03 37.88E–.04 9–4 45 0-2
ISK VII 16 08 27 43.9 38.36N 37.85E 10 3.1 **¶11514308**
CSEM VII 16 08 27 43.7–.28 38.30N 37.86E 5 2.9
ISCJB VII 16 08 27 44.6–.51 38.37N–.03 37.89E–.04 7–5 2.9
DDA VII 16 08 27 44.4 38.42N 37.91E 1–0 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=6.2km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.6km az=143.8.
ISC VII 16 13 16 47.0–.46 37.32N–.02 36.34E–.03 5–6 42 0-2
ISK VII 16 13 16 45.4 37.15N 36.19E 18 2.5L **¶11514311**
DDA VII 16 13 16 46.1 37.32N 36.35E 7–3 3.0
CSEM VII 16 13 16 46.6–.20 37.33N 36.28E 5 3.0
ISCJB VII 16 13 16 47.1–.43 37.33N–.03 36.32E–.03 10 3.0
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 16 15 53 41.3–.82 41.44N–.04 35.91E–.05 5–6 40 0-3
ISK VII 16 15 53 39.5 41.47N 36.02E 7 3.0 **¶11514312**
ISCJB VII 16 15 53 40.3–.88 41.46N–.04 35.95E–.05 0–7 3.0
CSEM VII 16 15 53 40.0–.80 41.52N 36.03E 5 3.0
DDA VII 16 15 53 40.7 41.41N 35.75E 8–6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.8km az=33.8.
CSEM Event type ke. Error ellipse: s-maj=21.2km s-min=6.4km az=38.0.
ISC VII 16 19 39 01.3–.61 36.99N–.04 29.11E–.03 6–6 45 0-3
DDA VII 16 19 39 00.4 36.98N 29.15E 7–4 2.9 **¶11514314**
ISK VII 16 19 39 00.9 37.04N 29.12E 5 2.9
ISCJB VII 16 19 39 01.2–.52 37.00N–.04 29.12E–.03 10 2.9
CSEM VII 16 19 39 01.0–.23 37.00N 29.13E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=8.9.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=9.0.
ISC VII 16 21 36 15.8–.32 38.92N–.01 27.79E–.02 4–2 192 0-4
ATH VII 16 21 36 10.2 38.90N 28.29E 19–13 3.7 **¶11514315**
NEIC VII 16 21 36 10.3 38.90N 28.29E 19 3.7
DDA VII 16 21 36 14.2 38.91N 27.90E 13–1 3.3
ISK VII 16 21 36 14.6 38.94N 27.74E 2 3.5L
THE VII 16 21 36 15.4 38.89N 27.83E 1–1 4.0L
CSEM VII 16 21 36 15.5–.12 38.91N 27.79E 2 3.5L
ISCJB VII 16 21 36 15.2–.34 38.92N–.01 27.80E–.02 2–3 3.5L
ISC Event type ke.
NEIC Event type se. After ATH.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 16 23 25 25.3–.38 38.90N–.02 27.90E–.03 8–3 68 0-3
ISCJB VII 16 23 25 25.0–.39 38.90N–.02 27.90E–.03 7–4 **¶11514316**
DDA VII 16 23 25 24.6 38.91N 27.89E 10–3 2.8L
ISK VII 16 23 25 24.7 38.89N 27.90E 9 2.9
CSEM VII 16 23 25 25.1–.10 38.90N 27.91E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=153.7.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=112.0.
ISC VII 17 01 00 32.0–.33 39.39N–.02 26.28E–.04 10–3 125 0-4
ATH VII 17 01 00 30.5 39.40N 26.44E 16–1 3.4 **¶11514317**
NEIC VII 17 01 00 30.3 39.40N 26.47E 16 3.4
CSEM VII 17 01 00 31.7–.11 39.38N 26.29E 8 3.2L
ISK VII 17 01 00 31.0 39.40N 26.31E 5 3.1
DDA VII 17 01 00 31.4 39.43N 26.27E 21–3 3.1
ISCJB VII 17 01 00 31.3–.34 39.39N–.01 26.29E–.03 7–3 3.1
THE VII 17 01 00 32.5 39.38N 26.26E 10–1 3.2L
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=2.2km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=179.3.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=238.0.
ISC VII 17 01 43 02.3–.32 40.26N–.02 28.02E–.02 5–3 161 0-4
ISK VII 17 01 43 01.7 40.25N 28.02E 7 3.3L **¶11514318**
NEIC VII 17 01 43 01.0 40.25N 28.03E 6 3.3L
DDA VII 17 01 43 01.6 40.24N 28.01E 7–3 3.3L,3.1
ISCJB VII 17 01 43 01.8–.32 40.26N–.02 28.03E–.02 4–3 3.3L,3.1
CSEM VII 17 01 43 02.3–.06 40.27N 28.02E 8 3.3L,3.1
ATH VII 17 01 43 02.5 40.33N 28.17E 83–8 3.3L,3.1
THE VII 17 01 43 03.8 40.22N 27.99E 6–2 3.9L,3.1

ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=150.8.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=160.0.
ATH Error ellipse: s-maj=2.7km s-min=4.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=90.0.

ISC	**VII**	**17 02 43 50.4–.40**	**40.15N–.02**	**26.90E–.03**	**2–4**		**89**	**0-3**
DDA	VII	17 02 43 49.8	40.15N	26.92E	7–2	3.1L,2.9		¶11514320
ISK	VII	17 02 43 49.4	40.15N	26.90E	3	3.1,2.9		
ISCJB	VII	17 02 43 50.4–.32	40.16N–.02	26.87E–.03	10	3.1,2.9		
CSEM	VII	17 02 43 50.3–.11	40.14N	26.89E	2	3.1,2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=18.9.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=61.0.

ISC	**VII**	**17 13 11 21.8–.64**	**36.97N–.03**	**29.16E–.04**	**4–8**		**40**	**0-3**
ISK	VII	17 13 11 20.8	36.98N	29.24E	5	2.9		¶11514331
ISCJB	VII	17 13 11 21.2–.69	36.97N–.03	29.16E–.04	1–8	2.9		
DDA	VII	17 13 11 21.6	37.01N	29.17E	7–5	3.0		
CSEM	VII	17 13 11 21.6–.18	36.95N	29.16E	2	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=138.8.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=61.0.

ISC	**VII**	**17 18 36 08.0–.53**	**37.03N–.04**	**29.26E–.04**	**14–5**		**37**	**0-1**
ISK	VII	17 18 36 06.8	37.03N	29.28E	17	2.8		¶11514333
ISCJB	VII	17 18 36 07.5–.62	37.02N–.04	29.24E–.04	6–6	2.8		
CSEM	VII	17 18 36 07.4–.27	37.01N	29.26E	12	2.8		
DDA	VII	17 18 36 08.4	37.07N	29.18E	7–6	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=26.9.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.9km az=19.0.

ISC	**VII**	**17 21 40 37.2–.64**	**36.97N–.04**	**29.12E–.04**	**10**		**29**	**0-1**
ISCJB	VII	17 21 40 36.6–.66	36.97N–.04	29.11E–.04	10			¶11514334
ISK	VII	17 21 40 36.0	37.01N	29.11E	8	2.8		
CSEM	VII	17 21 40 36.3–.15	36.96N	29.10E	5	2.8		
DDA	VII	17 21 40 37.9	37.01N	29.18E	7–3	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=6.5.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.2km az=171.0.

ISC	**VII**	**17 22 46 40.3–.48**	**39.30N–.02**	**41.38E–.03**	**3–4**		**61**	**0-3**
ISK	VII	17 22 46 38.8	39.28N	41.38E	6	3.1		¶11514335
DDA	VII	17 22 46 39.6	39.33N	41.34E	13–2	3.1		
CSEM	VII	17 22 46 39.4–.20	39.28N	41.38E	2	3.1		
ISCJB	VII	17 22 46 40.3–.34	39.30N–.02	41.35E–.03	10	3.1		

ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**VII**	**17 23 21 31.6–.43**	**40.30N–.02**	**42.74E–.03**	**1–5**		**59**	**0-2**
DDA	VII	17 23 21 30.9	40.32N	42.79E	7–2	3.2		¶11514337
ISK	VII	17 23 21 30.8	40.32N	42.77E	7	2.3L		
ISCJB	VII	17 23 21 31.1–.50	40.31N–.02	42.73E–.03	0–5	2.3L		
CSEM	VII	17 23 21 31.0–.07	40.31N	42.77E	5	2.3L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=31.5.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=38.0.

ISC	**VII**	**18 00 40 58.3–.60**	**37.13N–.07**	**29.20E–.07**	**33–11**		**28**	**0-1**
DDA	VII	18 00 40 57.1	36.96N	29.14E	7–5	2.6		¶11514338
CSEM	VII	18 00 40 57.8–.31	37.11N	29.21E	30	2.8		
ISK	VII	18 00 40 57.4	37.09N	29.12E	16	2.8		
ISCJB	VII	18 00 40 58.1–.65	37.14N–.07	29.21E–.07	33–10	2.8		

ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**VII**	**18 01 35 01.9–.44**	**36.99N–.03**	**29.17E–.03**	**10–4**		**78**	**0-4**
DDA	VII	18 01 35 00.4	36.97N	29.19E	27–2	3.1		¶11514340
ISCJB	VII	18 01 35 01.3–.54	36.99N–.03	29.17E–.03	8–5	3.1		
ISK	VII	18 01 35 01.1	37.01N	29.18E	8	3.1		
CSEM	VII	18 01 35 01.3–.14	36.98N	29.18E	8	3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=0.8.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=6.0.

ISC	**VII**	**18 03 32 57.4–.74**	**39.49N–.04**	**26.45E–.05**	**8–5**		**51**	**0-2**
ISK	VII	18 03 32 56.5	39.51N	26.48E	5	3.0		¶11514343
DDA	VII	18 03 32 56.5	39.50N	26.43E	8–5	3.0		
ISCJB	VII	18 03 32 57.0–.71	39.50N–.03	26.48E–.05	3–5	3.0		
CSEM	VII	18 03 32 57.0–.38	39.48N	26.44E	5	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.2km az=140.9.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=4.8km az=64.0.

ISC	**VII**	**18 06 00 17.0–.37**	**38.91N–.02**	**27.90E–.03**	**7–3**		**73**	**0-2**
ISCJB	VII	18 06 00 16.5–.44	38.92N–.02	27.90E–.03	4–4			¶11514345
CSEM	VII	18 06 00 16.7–.10	38.91N	27.91E	8	3.0		
DDA	VII	18 06 00 16.5	38.91N	27.89E	14–3	2.9		
ISK	VII	18 06 00 16.0	38.90N	27.91E	10	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=81.0.

ISC	**VII**	**18 06 08 32.0–.41**	**38.92N–.03**	**27.86E–.04**	**11–3**		**58**	**0-2**
ISK	VII	18 06 08 30.9	38.93N	27.88E	11	3.0		¶11514346
ISCJB	VII	18 06 08 31.6–.48	38.94N–.03	27.87E–.03	6–5	3.0		
CSEM	VII	18 06 08 31.7–.13	38.92N	27.84E	10	3.0		
DDA	VII	18 06 08 32.0	38.92N	27.89E	5–3	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=30.1.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=44.0.

ISC	**VII**	**18 11 31 04.5–.47**	**40.38N–.04**	**29.16E–.04**	**14–5**		**41**	**0-1**
DDA	VII	18 11 31 02.6	40.43N	29.20E	7–4	2.7		¶11514348
ISK	VII	18 11 31 03.4	40.29N	29.12E	6	2.9		
ISCJB	VII	18 11 31 04.2–.49	40.37N–.04	29.16E–.04	12–5	2.9		
CSEM	VII	18 11 31 04.1–.20	40.36N	29.14E	12	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.5km az=179.7.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=161.0.

ISC	**VII**	**18 12 15 19.1–.63**	**37.39N–.06**	**34.91E–.06**	**20–6**		**26**	**0-2**
ISK	VII	18 12 15 17.3	37.48N	34.88E	19	2.2L		¶11514350
DDA	VII	18 12 15 18.5	37.45N	34.89E	7–3	3.0		
CSEM	VII	18 12 15 18.2–.27	37.44N	34.85E	15	2.2L		
ISCJB	VII	18 12 15 19.1–.62	37.39N–.05	34.89E–.06	23–7	2.2L		

ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**VII**	**18 13 08 30.2–.71**	**37.02N–.05**	**29.19E–.07**	**9–13**		**25**	**0-1**
ISK	VII	18 13 08 28.6	37.03N	29.22E	5	2.7		¶11514351
CSEM	VII	18 13 08 29.9–.22	37.04N	29.21E	2	2.9		
DDA	VII	18 13 08 29.9	37.04N	29.21E	7–3	2.9		
ISCJB	VII	18 13 08 30.0–.68	37.04N–.04	29.21E–.04	10	2.9		

ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**VII**	**18 14 19 18.8–.46**	**37.87N–.03**	**30.52E–.05**	**14–4**		**41**	**0-2**
ISK	VII	18 14 19 17.4	37.87N	30.42E	13	2.9		¶11514352
ISCJB	VII	18 14 19 18.4–.45	37.87N–.02	30.50E–.05	14–4	2.9		
CSEM	VII	18 14 19 18.0–.18	37.88N	30.46E	12	2.9		
DDA	VII	18 14 19 18.2	37.90N	30.48E	7–1	3.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=178.9.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=84.0.

ISC	**VII**	**18 18 37 34.4–.84**	**38.77N–.03**	**43.78E–.07**	**8–8**		**32**	**0-2**
DDA	VII	18 18 37 30.3	38.66N	44.02E	7–6	2.9		¶11514356
ISCJB	VII	18 18 37 33.8–.85	38.77N–.03	43.78E–.06	2–7	2.9		
ISK	VII	18 18 37 33.9	38.80N	43.79E	9	2.9		
CSEM	VII	18 18 37 33.6–.35	38.78N	43.80E	2	2.9		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.2km az=178.7.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.7km az=103.0.

ISC	**VII**	**18 19 23 47.3–.60**	**40.24N–.06**	**28.83E–.04**	**12–8**		**34**	**0-1**
DDA	VII	18 19 23 46.1	40.23N	28.87E	7–3	2.7		¶11514357
ISCJB	VII	18 19 23 47.1–.69	40.24N–.06	28.83E–.04	7–10	2.7		
CSEM	VII	18 19 23 47.1–.20	40.22N	28.82E	10	2.8		
ISK	VII	18 19 23 47.0	40.28N	28.79E	4	2.8		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.8km az=161.7.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=149.0.

ISC	**VII**	**18 20 09 03.6–1.0**	**37.62N–.07**	**35.69E–.04**	**16–6**		**26**	**0-1**
CSEM	VII	18 20 09 01.7–.56	37.75N	35.69E	15	2.0L		¶11514358
ISCJB	VII	18 20 09 03.5–1.0	37.61N–.07	35.68E–.04	13–7	2.0L		
ISK	VII	18 20 09 03.1	37.56N	35.65E	5	2.0L		
DDA	VII	18 20 09 04.7	37.45N	35.73E	8–1	2.7		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=8.3km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.9km az=174.9.

ISC	**VII**	**19 01 27 20.5–.36**	**39.41N–.02**	**33.12E–.02**	**1–3**		**170**	**0-4**
ISCJB	VII	19 01 27 20.8–.22	39.44N–.02	33.10E–.02	10			¶11514360
DDA	VII	19 01 27 20.5	39.43N	33.06E	5–1	3.2		
ISK	VII	19 01 27 20.7	39.46N	32.95E	5	3.8		
CSEM	VII	19 01 27 21.9–.12	39.46N	32.98E	2	3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=176.8.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=171.0.

ISC	**VII**	**19 03 30 14.9–.36**	**39.27N–.02**	**26.19E–.03**	**6–3**		**98**	**0-3**
ISK	VII	19 03 30 12.2	39.24N	25.99E	6	3.2		¶11514362
ISCJB	VII	19 03 30 14.4–.38	39.27N–.02	26.18E–.03	5–3	3.2		
DDA	VII	19 03 30 14.4	39.27N	26.21E	8–4	3.1		
CSEM	VII	19 03 30 14.4–.17	39.26N	26.18E	5	2.8L		
ATH	VII	19 03 30 15.0	39.27N	26.18E	5	2.8		
THE	VII	19 03 30 15.0	39.26N	26.20E	6–0	2.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=155.3.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=79.0.
ATH Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=150.0.

ISC	**VII**	**19 09 09 29.0–.91**	**37.24N–.05**	**28.31E–.06**	**14–8**		**29**	**0-1**
ISCJB	VII	19 09 09 28.7–.90	37.24N–.05	28.29E–.06	15–8			¶14680887
ISK	VII	19 09 09 28.1	37.30N	28.30E	5	2.3L		
CSEM	VII	19 09 09 29.0–.39	37.24N	28.29E	10	2.3L		
DDA	VII	19 09 09 29.1	37.21N	28.21E	7–7	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.4km az=39.2.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=6.3km az=51.0.

ISC	**VII**	**19 13 18 44.1–.65**	**39.07N–.03**	**33.28E–.04**	**15–6**		**35**	**0-2**
DDA	VII	19 13 18 41.9	39.08N	33.25E	14–8	3.2		¶11514366
ISCJB	VII	19 13 18 43.5–.67	39.07N–.03	33.27E–.04	10–6	3.2		
ISK	VII	19 13 18 43.4	39.06N	33.27E	12	2.9		
CSEM	VII	19 13 18 43.7–.16	39.06N	33.28E	12	3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=5.0km az=16.8.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=86.0.

ISC	**VII**	**19 13 40 45.0–.71**	**37.01N–.05**	**27.99E–.04**	**21–13**		**26**	**0-1**
ISK	VII	19 13 40 44.7	37.10N	27.93E	28	1.9L		¶11514367
CSEM	VII	19 13 40 45.5–.33	37.04N	27.99E	5	1.9L		
DDA	VII	19 13 40 45.5	37.01N	27.86E	7–7	2.8		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=153.0.

ISC	**VII**	**20 05 03 21.1–.43**	**40.36N–.03**	**27.60E–.04**	**11–5**		**42**	**0-1**
ISCJB	VII	20 05 03 20.9–.43	40.35N–.03	27.59E–.04	12–4			¶11514372
DDA	VII	20 05 03 20.4	40.35N	27.59E	7–6	2.6		
ISK	VII	20 05 03 20.8	40.36N	27.59E	8	2.6		
CSEM	VII	20 05 03 21.0–.14	40.36N	27.59E	10	2.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=42.2.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=15.0.

ISC	**VII**	**20 07 59 27.8–.45**	**36.97N–.03**	**29.12E–.02**	**6–3**		**100**	**0-34**
IDC	VII	20 07 59 26.6–2.0	36.88N	29.15E	0	3.8b,3.6		¶11514373
DDA	VII	20 07 59 26.2	36.94N	29.15E	7–7	3.3,3.6		
ISCJB	VII	20 07 59 27.5–.52	36.98N–.03	29.13E–.03	8–4	3.3,3.6		
CSEM	VII	20 07 59 27.4–.15	37.01N	29.11E	2	3.2L,3.6		
ISK	VII	20 07 59 27.4	37.04N	29.12E	5	3.2L,3.6		
NEIC	VII	20 07 59 27.0	37.04N	29.13E	6	3.4,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=24.4km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=177.7.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=5.0.
NEIC Event type se. After ISK.

ISC	**VII**	**20 08 20 33.2–.58**	**36.95N–.04**	**29.20E–.03**	**10**		**31**	**0-1**
DDA	VII	20 08 20 31.9	36.94N	29.19E	7–5	2.9		¶11514374
ISCJB	VII	20 08 20 32.6–.57	36.95N–.04	29.19E–.03	10	2.9		
CSEM	VII	20 08 20 32.7–.20	36.92N	29.22E	2	2.7		
ISK	VII	20 08 20 32.0	37.00N	29.20E	5	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=176.1.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=167.0.

ISC	**VII**	**20 09 23 57.7–.51**	**36.98N–.04**	**29.16E–.03**	**12–4**		**54**	**0-2**
DDA	VII	20 09 23 56.2	36.95N	29.11E	7–6	2.9		¶11514377
ISCJB	VII	20 09 23 57.2–.59	36.98N–.03	29.15E–.03	6–5	2.9		
CSEM	VII	20 09 23 57.2–.09	36.95N	29.19E	8	3.0		
ISK	VII	20 09 23 57.0	37.01N	29.16E	7	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=6.3.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=8.0.

ISK	**VII**	**20 11 45 43.8**	**37.89N**	**31.23E**	**16**	**3.1**		
DDA	VII	20 11 45 44.0	37.93N	31.21E	22–3	3.1		¶11514378
CSEM	VII	20 11 45 44.5–.07	37.93N	31.20E	12	3.1		

CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=155.0.

ISC	**VII**	**20 17 04 03.3–.57**	**38.34N–.02**	**39.58E–.03**	**1–5**		**71**	**0-3**
DDA	VII	20 17 04 02.2	38.35N	39.55E	5–2	3.4		¶11514379
ISK	VII	20 17 04 02.4	38.34N	39.56E	5	3.4		
ISCJB	VII	20 17 04 03.4–.34	38.33N–.02	39.54E–.03	10	3.4		
CSEM	VII	20 17 04 03.2–.17	38.35N	39.55E	2	3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=6.9.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=156.0.

ISC	**VII**	**20 17 37 29.5–.39**	**39.66N–.02**	**43.71E–.04**	**6–6**		**52**	**0-3**
ISCJB	VII	20 17 37 28.3–.40	39.68N–.02	43.73E–.04	10			¶11514380
ISK	VII	20 17 37 28.8	39.63N	43.71E	6	3.1		
DDA	VII	20 17 37 29.9	39.66N	43.69E	5–2	3.0		
CSEM	VII	20 17 37 29.2–.10	39.67N	43.74E	5	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.6km az=30.8.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=118.0.

ISC	**VII**	**20 21 05 12.1–.58**	**38.81N–.05**	**40.27E–.04**	**17–5**		**20**	**0-2**
ISK	VII	20 21 05 10.2	38.70N	40.34E	19	2.8		¶11514383
DDA	VII	20 21 05 10.6	38.77N	40.21E	7–2	2.8		
CSEM	VII	20 21 05 10.2	38.70N	40.34E	19	2.8		
ISCJB	VII	20 21 05 12.3–.58	38.82N–.04	40.28E–.04	20–6	2.8		

ISC Event type ke.
CSEM Event type ke. After ISK.
ISCJB Event type ke.

ISC	**VII**	**20 21 35 24.4–.37**	**39.65N–.02**	**26.39E–.03**	**6–4**		**78**	**0-2**
ISCJB	VII	20 21 35 23.8–.41	39.65N–.02	26.40E–.03	1–5			¶11514384
ISK	VII	20 21 35 23.8	39.67N	26.38E	7	3.1		
THE	VII	20 21 35 24.3	39.63N	26.39E	5–1	2.6L		
DDA	VII	20 21 35 24.1	39.65N	26.37E	7–4	2.8		
CSEM	VII	20 21 35 24.2–.14	39.65N	26.36E	8	3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=171.1.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=254.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=88.0.
ISC VII 20 22 19 31.6–.38 39.20N–.02 27.71E–.04 18–4 54 0-2
ISK VII 20 22 19 30.8 39.20N 27.68E 16 2.9 ¶11514386
ISCJB VII 20 22 19 31.3–.41 39.20N–.02 27.71E–.04 14–4 2.9
DDA VII 20 22 19 31.3 39.22N 27.71E 7–2 2.8
CSEM VII 20 22 19 31.3–.10 39.19N 27.71E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=11.6.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=99.0.
ISC VII 21 00 32 24.7–.29 40.85N–.02 28.32E–.02 6–3 138 0-4
SOF VII 21 00 32 19.2 40.92N 28.84E 13 2.9 ¶13597018
ISCJB VII 21 00 32 24.0–.32 40.84N–.02 28.32E–.02 2–3 2.9
DDA VII 21 00 32 24.0 40.85N 28.34E 19–2 3.1
ISK VII 21 00 32 24.1 40.85N 28.34E 9 3.0L
CSEM VII 21 00 32 24.5–.09 40.85N 28.32E 5 3.1
ATH VII 21 00 32 53.8 39.42N 25.85E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=165.5.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=171.0.
ISC VII 21 01 20 45.4–.27 37.00N–.02 31.12E–.03 106–3 3.6b 138 0-40
CSEM VII 21 01 20 44.6–.18 37.01N 31.10E 120–3 3.4 ¶11514390
ISCJB VII 21 01 20 44.3–.26 36.99N–.02 31.12E–.03 113–3 3.6b
IDC VII 21 01 20 45.6–2.0 37.03N 31.13E 104–19 3.4b,3.4
ISK VII 21 01 20 45.4 37.03N 31.12E 92 3.4,3.4
DDA VII 21 01 20 46.6 37.06N 31.11E 68–4 3.4,3.4
HLW VII 21 01 20 48.0 36.71N 30.89E 33–58 3.8L,3.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=173.8.
IDC Error ellipse: s-maj=23.5km s-min=15.3km az=123.0.
ISC VII 21 05 47 23.1–.61 39.24N–.03 34.64E–.05 4–10 25 0-2
ISK VII 21 05 47 21.8 39.24N 34.71E 5 2.2L ¶11514392
ISCJB VII 21 05 47 22.5–.60 39.23N–.03 34.68E–.07 11–11 2.2L
DDA VII 21 05 47 23.0 39.06N 34.39E 7–1 2.9
CSEM VII 21 05 47 22.7–.31 39.25N 34.65E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.9km az=16.2.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=6.1km az=102.0.
ISC VII 21 06 21 29.3–.48 40.09N–.02 32.74E–.04 3–5 47 0-2
ISCJB VII 21 06 21 28.9–.42 40.09N–.02 32.71E–.04 10 ¶11514393
ISK VII 21 06 21 28.2 40.12N 32.68E 5 2.9
CSEM VII 21 06 21 29.5–.19 40.09N 32.71E 2 2.9
DDA VII 21 06 21 29.5 40.08N 32.71E 19–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=8.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=83.0.
ISC VII 21 12 01 00.3–.46 39.92N–.03 28.79E–.03 15–5 54 0-2
ISCJB VII 21 12 00 59.8–.53 39.92N–.03 28.80E–.03 8–6 ¶11514395
DDA VII 21 12 00 59.5 39.90N 28.84E 7–5 3.2
ISK VII 21 12 00 59.5 39.93N 28.76E 20 2.6,2.1L
CSEM VII 21 12 00 59.7–.08 39.91N 28.82E 12 3.2,2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=154.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=141.0.
ISC VII 21 19 31 33.2–.67 37.07N–.04 29.26E–.05 19–7 38 0-1
DDA VII 21 19 31 31.7 37.00N 29.15E 7–4 3.1 ¶11514399
ISK VII 21 19 31 32.1 37.07N 29.26E 18 2.8
CSEM VII 21 19 31 32.5–.29 37.09N 29.33E 26–4 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=6.7km az=38.0.
ISC VII 22 01 29 55.4–.29 36.47N–.03 30.23E–.04 37–17 132 0-9
ISCJB VII 22 01 29 53.8–.30 36.43N–.03 30.24E–.04 57–6 ¶11514402
CSEM VII 22 01 29 54.4–.30 36.47N 30.23E 25–3 3.2
DDA VII 22 01 29 55.7 36.57N 30.17E 31–0 3.3
ISK VII 22 01 29 56.7 36.65N 30.22E 34 3.3
NEIC VII 22 01 29 56.5 36.66N 30.21E 28 3.2,3.1L
ATH VII 22 01 29 57.9 36.63N 29.67E 27 3.2,3.1L
HLW VII 22 01 30 03.9 35.74N 30.08E 33–30 3.4,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=24.5.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=118.0.
NEIC Event type se. After ISK.
ISC VII 22 10 04 01.7–.35 40.81N–.02 28.09E–.03 2–4 93 0-4
ISK VII 22 10 04 00.5 40.82N 28.09E 2 3.2,3.2L ¶11514407
ISCJB VII 22 10 04 01.5–.28 40.83N–.02 28.08E–.03 10 3.2,3.2L
CSEM VII 22 10 04 01.5–.12 40.81N 28.08E 2 3.2,3.2L
DDA VII 22 10 04 01.4 40.81N 28.05E 12–3 3.3,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=155.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=154.0.
ISC VII 22 14 08 20.2–.41 38.23N–.03 38.63E–.03 13–7 45 0-2
ISK VII 22 14 08 18.9 38.23N 38.65E 5 3.0 ¶11514408
ISCJB VII 22 14 08 19.5–.40 38.22N–.03 38.63E–.03 7–10 3.0
DDA VII 22 14 08 19.4 38.20N 38.63E 9–1 3.0
CSEM VII 22 14 08 19.9–.20 38.22N 38.63E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=152.6.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=156.0.
ISC VII 22 16 12 54.3–.83 37.51N–.07 35.13E–.06 9–12 21 0-2
DDA VII 22 16 12 53.6 37.53N 35.11E 7–3 2.8 ¶11514412
CSEM VII 22 16 12 53.8–.26 37.52N 35.10E 8 2.3L
ISCJB VII 22 16 12 54.1–.83 37.50N–.07 35.14E–.06 7–13 2.3L
ISK VII 22 16 12 54.5 37.42N 35.16E 8 2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.3km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=6.0km az=150.9.
ISC VII 22 16 18 54.4–.77 38.98N–.03 34.99E–.06 9–7 30 0-2
ISCJB VII 22 16 18 53.9–.74 39.00N–.03 34.97E–.06 5–8 ¶11514413
DDA VII 22 16 18 54.6 38.96N 34.84E 7–5 3.0
ISK VII 22 16 18 54.1 39.01N 34.98E 9 2.6
CSEM VII 22 16 18 54.0–.19 38.98N 35.02E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.1km az=6.7.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=127.0.
ISC VII 22 16 22 00.8–.50 40.36N–.03 27.85E–.05 4–4 35 0-1
ISCJB VII 22 16 22 00.4–.51 40.37N–.03 27.83E–.05 3–5 ¶11514414
DDA VII 22 16 22 00.1 40.37N 27.79E 7–2 2.7
ISK VII 22 16 22 00.1 40.33N 27.84E 6 2.6
CSEM VII 22 16 22 00.5–.07 40.34N 27.85E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.4km az=154.2.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=173.0.
ISC VII 22 20 40 37.2–.96 37.00N–.05 29.23E–.06 7–11 20 0-1
ISCJB VII 22 20 40 36.5–.00 36.99N–.06 29.20E–.06 0–15 ¶11514415
DDA VII 22 20 40 36.6 37.00N 29.22E 7–3 2.5
ISK VII 22 20 40 36.2 37.01N 29.27E 5 2.7
CSEM VII 22 20 40 37.0–.29 37.01N 29.25E 8 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=7.8km az=169.3.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.2km az=6.0.
ISC VII 22 21 26 37.6–.47 40.11N–.03 28.39E–.04 6–8 38 0-2
ISCJB VII 22 21 26 36.9–.54 40.10N–.03 28.40E–.04 0–9 ¶11514417
CSEM VII 22 21 26 37.5–.09 40.12N 28.39E 8 2.6
DDA VII 22 21 26 37.3 40.10N 28.33E 7–3 2.7
ISK VII 22 21 26 37.2 40.14N 28.39E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=23.5.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=88.0.

ISC VII 23 07 52 37.0–.95 37.70N–.03 43.86E–.09 11–8 27 0-3
DDA VII 23 07 52 36.6 37.71N 43.87E 6–2 3.1 ¶11514420
ISK VII 23 07 52 36.6 37.70N 43.61E 5 3.2
ISCJB VII 23 07 52 37.0–.82 37.73N–.03 43.77E–.08 1–11 3.2
CSEM VII 23 07 52 37.9–.36 37.70N 43.63E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.5km az=4.5.
CSEM Event type ke. Error ellipse: s-maj=27.5km s-min=6.7km az=83.0.
ISC VII 23 08 02 39.7–.41 39.16N–.03 29.51E–.03 5–5 80 0-3
DDA VII 23 08 02 38.9 39.16N 29.53E 13–0 3.0 ¶11514421
ISK VII 23 08 02 38.6 39.13N 29.51E 4 3.0
ISCJB VII 23 08 02 39.5–.32 39.13N–.02 29.54E–.03 10 3.0
CSEM VII 23 08 02 39.5–.06 39.14N 29.51E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=146.9.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=156.0.
ISK VII 23 09 29 59.9 39.85N 28.75E 2 1.6L
CSEM VII 23 09 29 59.9 39.85N 28.75E 2 1.6L ¶11514426
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VII 23 09 57 12.1–.79 36.95N–.04 29.18E–.05 5–7 33 0-3
ISCJB VII 23 09 57 11.5–.81 36.94N–.04 29.17E–.05 1–8 ¶11514429
ISK VII 23 09 57 11.5 36.97N 29.19E 11 2.9
CSEM VII 23 09 57 11.6–.18 36.94N 29.20E 5 2.9
DDA VII 23 09 57 12.5 36.99N 29.25E 7–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.8km az=135.7.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=7.0.
ISC VII 23 11 07 44.1–.92 36.93N–.06 29.22E–.05 1–19 20 0-1
CSEM VII 23 11 07 43.8–.23 36.93N 29.25E 2 2.8 ¶13597095
ISCJB VII 23 11 07 44.1–.79 36.94N–.05 29.26E–.05 10 2.8
DDA VII 23 11 07 46.0 37.06N 29.20E 7–3 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.9km az=18.3.
ISC VII 23 14 17 09.0–.56 39.59N–.03 30.46E–.05 3–16 32 0-1
DDA VII 23 14 17 07.9 39.62N 30.51E 7–2 2.6 ¶11514437
ISCJB VII 23 14 17 08.8–.54 39.61N–.04 30.50E–.05 10 2.6
ISK VII 23 14 17 08.4 39.56N 30.47E 8 2.5
CSEM VII 23 14 17 08.9–.15 39.58N 30.45E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=140.8.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=54.0.
ISC VII 23 15 16 09.8–1.0 40.09N–.04 35.60E–.06 3–13 21 0-1
DDA VII 23 15 16 07.9 40.10N 35.65E 6–2 3.1 ¶11514438
ISK VII 23 15 16 08.7 40.05N 35.54E 5 2.6
ISCJB VII 23 15 16 09.2–.96 40.10N–.04 35.59E–.06 10 2.6
CSEM VII 23 15 16 09.2–.41 40.08N 35.59E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=149.1.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=7.0km az=65.0.
ISC VII 23 16 28 40.8–.46 37.51N–.03 35.69E–.03 8–4 67 0-3
ISK VII 23 16 28 39.2 37.53N 35.67E 2 3.3 ¶11514439
DDA VII 23 16 28 39.8 37.53N 35.68E 7–3 3.2
ISCJB VII 23 16 28 40.1–.48 37.52N–.03 35.69E–.03 5–5 3.2
CSEM VII 23 16 28 40.0–.14 37.51N 35.67E 2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=176.1.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=41.0.
ISC VII 23 19 10 31.2–.91 37.59N–.08 35.66E–.08 15–10 18 0-1
CSEM VII 23 19 10 30.6–.39 37.61N 35.65E 15 1.6L ¶11514442
ISCJB VII 23 19 10 31.0–1.1 37.59N–.08 35.67E–.07 10–11 1.6L
ISK VII 23 19 10 31.7 37.48N 35.66E 5 1.6L
DDA VII 23 19 10 32.3 37.52N 35.70E 7–3 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=6.7km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=7.0km az=152.9.
ISC VII 23 21 11 50.4–.47 40.54N–.03 41.61E–.07 15–6 39 0-2
ISCJB VII 23 21 11 49.9–.47 40.54N–.02 41.60E–.07 12–7 ¶11514444
DDA VII 23 21 11 49.5 40.58N 41.42E 7–2 2.9
ISK VII 23 21 11 49.1 40.56N 41.57E 10 2.7L
CSEM VII 23 21 11 49.7–.08 40.52N 41.59E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.7km az=12.4.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=111.0.
ISC VII 24 14 40 32.1–.43 40.46N–.05 29.22E–.04 9–6 46 0-2
ISCJB VII 24 14 40 31.6–.58 40.45N–.05 29.21E–.03 2–9 ¶11514452
ISK VII 24 14 40 31.1 40.42N 29.21E 5 2.8
DDA VII 24 14 40 31.6 40.45N 29.22E 7–4 2.5
CSEM VII 24 14 40 32.0–.08 40.46N 29.23E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.3km az=5.7.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=163.0.
ISC VII 24 16 43 59.2–1.0 37.17N–.05 30.99E–.05 96–12 42 1-2
DDA VII 24 16 43 54.4 37.61N 31.30E 7–6 2.9 ¶11514453
ISCJB VII 24 16 43 58.8–1.1 37.17N–.05 30.99E–.05 97–11 2.9
CSEM VII 24 16 43 59.2–.16 37.14N 30.98E 90 3.1
ISK VII 24 16 43 59.1 37.23N 31.00E 92 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.4km az=10.1.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=178.0.
ISC VII 24 16 47 22.2–.96 37.05N–.07 33.21E–.04 9–13 26 0-1
ISK VII 24 16 47 21.3 36.97N 33.19E 10 2.5L ¶11514454
CSEM VII 24 16 47 21.6–.31 37.06N 33.21E 8 2.8
ISCJB VII 24 16 47 22.0–.75 37.03N–.05 33.22E–.04 10 2.8
DDA VII 24 16 47 22.9 36.87N 33.37E 7–4 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=3.9km az=162.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=3.8km az=164.8.
ISC VII 24 16 50 07.3–.56 36.99N–.03 29.16E–.03 5–7 46 0-2
DDA VII 24 16 50 06.5 36.98N 29.17E 7–3 3.2 ¶11514455
ISCJB VII 24 16 50 07.1–.49 36.99N–.03 29.19E–.03 10 3.2
CSEM VII 24 16 50 07.4–.12 37.06N 29.21E 10 2.9
ISK VII 24 16 50 07.0 37.05N 29.18E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=3.8.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=178.0.
ISC VII 24 20 00 58.3–.73 36.98N–.04 29.17E–.05 9–7 28 0-1
ISK VII 24 20 00 56.8 36.99N 29.19E 5 2.7 ¶11514458
ISCJB VII 24 20 00 57.8–.76 36.98N–.04 29.16E–.05 4–10 2.7
DDA VII 24 20 00 58.0 37.01N 29.17E 7–2 2.8
CSEM VII 24 20 00 58.1–.15 37.00N 29.19E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=6.4km az=162.2.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=13.0.
ISC VII 24 20 29 25.8–.49 37.03N–.03 29.14E–.03 5–6 45 0-4
CSEM VII 24 20 29 24.8–.05 36.99N 29.14E 2 3.2 ¶11514460
DDA VII 24 20 29 24.7 36.99N 29.13E 7–2 3.0
ISK VII 24 20 29 24.2 37.00N 29.15E 5 3.2
ISCJB VII 24 20 29 25.5–.39 37.01N–.03 29.15E–.03 10 3.2
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 24 20 33 12.3–.56 37.04N–.03 29.19E–.05 9–8 41 0-2
ISCJB VII 24 20 33 11.7–.65 37.03N–.03 29.18E–.04 2–9 ¶11514461
CSEM VII 24 20 33 11.5–.08 36.99N 29.24E 10 2.9
DDA VII 24 20 33 11.8 37.05N 29.18E 7–5 2.9
ISK VII 24 20 33 11.5 37.02N 29.21E 11 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.3km az=37.7.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=10.0.
ISC VII 24 21 28 32.9–.71 36.96N–.04 29.12E–.05 11–7 34 0-1

ISCJB VII 24 21 28 32.4–.73 36.96N–.04 29.11E–.05 6–9 ¶11514462
ISK VII 24 21 28 32.5 37.04N 29.13E 7 2.8
DDA VII 24 21 28 32.1 36.94N 29.14E 7–4 2.9
CSEM VII 24 21 28 32.7–.24 36.96N 29.16E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=6.0km az=37.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=11.0.
ISC VII 24 21 44 01.8–1.3 37.04N–.06 43.30E–.06 6–11 35 0-4
ISK VII 24 21 43 59.6 36.91N 43.39E 6 3.7 ¶11514463
ISCJB VII 24 21 44 00.8–1.2 37.03N–.05 43.29E–.05 6–10 3.7
CSEM VII 24 21 44 01.7–.15 37.02N 43.35E 2 3.7
DDA VII 24 21 44 02.0 37.12N 43.22E 7–3 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.7km az=23.7.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=113.0.
ISC VII 24 22 16 27.8–.84 37.72N–.03 43.75E–.09 11–8 27 0-2
ISCJB VII 24 22 16 27.7–.68 37.73N–.03 43.66E–.07 1–10 ¶11514464
DDA VII 24 22 16 27.1 37.69N 43.88E 4–1 3.0
ISK VII 24 22 16 27.1 37.71N 43.50E 4 3.0
CSEM VII 24 22 16 27.5–.72 37.73N 43.85E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.6km az=172.4.
CSEM Event type ke. Error ellipse: s-maj=26.6km s-min=7.1km az=90.0.
ISC VII 24 22 28 27.4–.66 36.98N–.04 29.22E–.05 10–6 34 0-1
ISCJB VII 24 22 28 26.9–.76 36.97N–.04 29.21E–.05 5–8 ¶11514465
ISK VII 24 22 28 26.6 36.98N 29.23E 8 2.9
DDA VII 24 22 28 27.2 37.00N 29.20E 7–4 2.8
CSEM VII 24 22 28 27.2–.19 36.99N 29.23E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=6.0km az=142.3.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=8.0.
ISC VII 24 22 48 19.7–.66 36.96N–.04 29.14E–.04 9–6 38 0-1
ISCJB VII 24 22 48 19.1–.69 36.95N–.04 29.14E–.04 3–8 ¶11514467
DDA VII 24 22 48 19.2 36.98N 29.12E 6–6 2.8
ISK VII 24 22 48 19.0 37.00N 29.16E 13 2.9
CSEM VII 24 22 48 19.5–.22 36.98N 29.15E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.4km az=149.5.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=175.0.
ISC VII 25 01 09 21.0–1.1 37.68N–.04 44.00E–.09 10 42 0-4
ISCJB VII 25 01 09 20.8–1.0 37.70N–.03 43.94E–.09 10 ¶11514468
CSEM VII 25 01 09 20.5–.40 37.67N 43.98E 2 3.1
ISK VII 25 01 09 20.1 37.67N 43.87E 5 3.3
DDA VII 25 01 09 21.2 37.71N 43.90E 5–3 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=4.2km az=16.1.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=3.3km az=100.0.
ISC VII 25 01 52 40.8–.69 36.97N–.04 29.13E–.03 6–10 32 0-1
ISCJB VII 25 01 52 40.3–.66 36.95N–.04 29.14E–.03 10 ¶11514469
CSEM VII 25 01 52 40.4–.28 36.99N 29.11E 2 2.7
DDA VII 25 01 52 40.6 36.99N 29.13E 7–5 2.8
ISK VII 25 01 52 40.1 37.06N 29.13E 13 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.0km az=2.2.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=15.0.
ISC VII 25 07 58 39.0–.58 36.99N–.04 29.18E–.03 9–7 38 0-1
ISK VII 25 07 58 37.8 37.02N 29.17E 6 2.9 ¶11514472
ISCJB VII 25 07 58 38.3–.68 36.99N–.04 29.17E–.04 0–8 2.9
CSEM VII 25 07 58 38.8–.07 36.99N 29.17E 8 2.9
DDA VII 25 07 58 39.0 37.03N 29.22E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.9km az=1.3.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=24.0.
ISC VII 25 09 56 47.4–.52 37.06N–.03 29.15E–.03 10 33 0-1
DDA VII 25 09 56 45.5 37.05N 29.05E 7–5 2.8 ¶11514473
ISCJB VII 25 09 56 47.0–.52 37.05N–.03 29.16E–.03 10 2.8
ISK VII 25 09 56 46.4 37.07N 29.16E 7 2.8
CSEM VII 25 09 56 46.5–.33 37.04N 29.14E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=15.2.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=6.1km az=14.0.
ISC VII 25 10 04 15.0–.62 36.96N–.03 29.21E–.04 5–7 45 0-1
ISK VII 25 10 04 13.6 36.97N 29.20E 8 3.0 ¶11514474
CSEM VII 25 10 04 14.8–.28 36.98N 29.22E 8 3.0
ISCJB VII 25 10 04 15.1–.51 36.97N–.03 29.24E–.03 10 3.0
DDA VII 25 10 04 15.7 37.02N 29.22E 7–4 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.9km az=8.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=4.8.
ISC VII 25 11 28 58.6–.59 41.57N–.03 33.76E–.04 1–12 34 0-2
ISK VII 25 11 28 56.7 41.56N 33.77E 2 2.7 ¶11514475
ISCJB VII 25 11 28 58.2–.57 41.58N–.03 33.76E–.04 10 2.7
DDA VII 25 11 28 59.0 41.52N 33.73E 8–3 2.9
CSEM VII 25 11 28 59.0 41.52N 33.73E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.3km az=148.2.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VII 25 12 47 54.1–.81 37.15N–.04 37.54E–.05 10–7 29 0-2
ISCJB VII 25 12 47 53.5–.88 37.13N–.04 37.56E–.05 3–7 ¶11514477
CSEM VII 25 12 47 53.5–.29 37.16N 37.54E 5 2.9
ISK VII 25 12 47 53.4 37.26N 37.52E 6 2.9
DDA VII 25 12 47 53.5 37.15N 37.56E 6–1 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.4km az=140.7.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.4km az=161.0.
ISC VII 25 13 13 24.7–.72 37.69N–.03 34.47E–.09 8–18 20 0-2
ISCJB VII 25 13 13 23.9–.76 37.70N–.03 34.47E–.09 3–21 ¶11514478
DDA VII 25 13 13 23.8 37.62N 34.34E 7–2 2.8
ISK VII 25 13 13 23.6 37.61N 34.45E 5 2.1L
CSEM VII 25 13 13 24.7–.29 37.66N 34.48E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=5.4km az=169.5.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=5.3km az=61.0.
ISC VII 25 15 18 42.0–.55 37.13N–.04 28.24E–.03 8–6 34 0-1
ISK VII 25 15 18 40.8 37.18N 28.24E 14 2.6 ¶11514481
ISCJB VII 25 15 18 41.3–.52 37.12N–.04 28.24E–.03 10–4 2.6
DDA VII 25 15 18 41.2 37.13N 28.21E 7–5 3.0
CSEM VII 25 15 18 41.4–.18 37.12N 28.24E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.6km az=6.5.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=165.0.
ISC VII 25 15 47 46.9–.63 37.53N–.04 35.09E–.05 5–11 25 0-2
ISCJB VII 25 15 47 46.8–.61 37.49N–.04 35.12E–.05 10 ¶11514482
DDA VII 25 15 47 46.3 37.54N 35.08E 7–6 3.0
ISK VII 25 15 47 46.8 37.15N 35.29E 9 2.2L
CSEM VII 25 15 47 46.4–.35 37.52N 35.05E 10 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.8km az=41.7.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=7.0km az=114.0.
ISC VII 25 19 10 18.6–.69 36.98N–.04 29.15E–.04 6–8 37 0-1
ISK VII 25 19 10 17.8 37.00N 29.17E 12 2.7 ¶11514483
ISCJB VII 25 19 10 18.4–.68 36.97N–.04 29.18E–.04 10 2.7
CSEM VII 25 19 10 18.4–.23 36.99N 29.19E 8 2.7
DDA VII 25 19 10 19.2 37.05N 29.15E 7–7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=25.9.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=33.0.
ISC VII 25 19 26 14.3–.56 38.98N–.03 41.29E–.04 6–5 31 0-2
DDA VII 25 19 26 13.7 38.97N 41.29E 6–2 2.9 ¶11514484
ISK VII 25 19 26 13.8 39.06N 41.26E 7 2.7
CSEM VII 25 19 26 13.9–.13 39.03N 41.26E 5 2.7
ISCJB VII 25 19 26 14.5–.46 39.00N–.03 41.25E–.04 10 2.7
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 25 21 33 40.2–.54 36.99N–.03 29.20E–.04 13–4 60 0-3
ISCJB VII 25 21 33 39.7–.63 36.99N–.03 29.19E–.03 8–5 ¶11514487
DDA VII 25 21 33 39.9 37.03N 29.16E 7–3 3.1
ISK VII 25 21 33 39.6 37.00N 29.25E 17 3.1
CSEM VII 25 21 33 40.2–.08 37.01N 29.24E 15 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=20.7.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=19.0.
ISC VII 25 21 50 05.4–.47 40.04N–.03 41.41E–.05 9–5 31 0-2
ISK VII 25 21 50 03.3 40.08N 41.44E 5 2.9 ¶11514488
DDA VII 25 21 50 04.9 40.03N 41.47E 7–2 3.0
CSEM VII 25 21 50 04.8–.19 40.02N 41.43E 5 3.0
ISCJB VII 25 21 50 05.1–.70 40.06N–.03 41.40E–.05 4–7 3.0
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 25 23 36 53.3–.67 37.01N–.04 29.20E–.04 5–9 33 0-1
ISK VII 25 23 36 50.9 37.03N 29.20E 5 2.6 ¶11514489
CSEM VII 25 23 36 52.3–.24 36.98N 29.20E 2 2.6
ISCJB VII 25 23 36 53.3–.58 37.01N–.04 29.23E–.04 10 2.6
DDA VII 25 23 36 54.3 37.08N 29.20E 7–4 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=3.9.
ISC VII 26 02 10 48.0–.69 39.69N–.04 40.09E–.05 11–7 26 0-2
ISK VII 26 02 10 46.8 39.70N 40.08E 17 2.8 ¶11514492
ISCJB VII 26 02 10 47.3–.72 39.68N–.04 40.10E–.05 3–8 2.8
DDA VII 26 02 10 47.1 39.66N 40.08E 7–3 2.8
CSEM VII 26 02 10 47.9–.27 39.72N 40.05E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.4km az=147.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=156.0.
ISC VII 26 08 33 13.4–.65 37.26N–.04 28.27E–.05 19–5 29 0-1
ISK VII 26 08 33 12.8 37.31N 28.26E 9 2.8 ¶11514498
ISCJB VII 26 08 33 13.4–.62 37.28N–.04 28.27E–.05 10 2.8
CSEM VII 26 08 33 13.2–.13 37.27N 28.27E 15 2.8
DDA VII 26 08 33 14.5 37.22N 28.18E 7–5 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=43.7.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=13.0.
ISC VII 26 09 20 16.5–.47 40.31N–.03 41.03E–.05 15–6 44 0-2
ISK VII 26 09 20 15.0 40.33N 40.99E 5 2.6L ¶11514503
DDA VII 26 09 20 16.0 40.33N 41.05E 7–5 2.9
CSEM VII 26 09 20 16.6–.20 40.27N 41.03E 20 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.2km az=144.0.
ISC VII 26 09 21 37.4–.61 39.45N–.05 28.13E–.06 15–6 32 0-1
ISCJB VII 26 09 21 36.9–.70 39.46N–.04 28.17E–.07 9–8 ¶11514504
DDA VII 26 09 21 36.7 39.51N 28.20E 7–5 2.6
ISK VII 26 09 21 36.3 39.44N 28.18E 13 2.8
CSEM VII 26 09 21 37.1–.16 39.45N 28.14E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=6.2km az=147.2.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.5km az=50.0.
ISC VII 26 09 44 19.2–3.3 39.5N–.20 30.2E–.20 10–16 17 0-1
ISCJB VII 26 09 44 19.2–2.8 39.5N–.10 30.2E–.10 8–16 ¶11514505
ISK VII 26 09 44 20.0 39.45N 30.30E 10 2.6
CSEM VII 26 09 44 20.0 39.45N 30.30E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=30.2km s-min=7.1km az=143.8.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VII 26 10 53 01.4–.45 39.46N–.03 28.16E–.04 10–6 42 0-2
ISK VII 26 10 52 59.4 39.46N 28.22E 5 2.8 ¶11514507
CSEM VII 26 10 53 00.9–.18 39.46N 28.15E 10 2.8
ISCJB VII 26 10 53 01.1–.43 39.46N–.03 28.15E–.04 10 2.8
DDA VII 26 10 53 01.2 39.46N 28.15E 8–3 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.4km az=140.8.
ISC VII 26 14 52 09.3–.43 37.17N–.02 29.84E–.02 2–4 117 0-5
ISCJB VII 26 14 52 08.6–.46 37.17N–.02 29.84E–.02 1–4 ¶11514514
DDA VII 26 14 52 08.0 37.13N 29.87E 20–1 3.4
ISK VII 26 14 52 08.5 37.15N 29.83E 6 3.6L
CSEM VII 26 14 52 09.6–.16 37.15N 29.81E 10 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=9.8.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=21.0.
ISC VII 26 15 39 15.2–.57 36.98N–.04 29.11E–.04 10–7 45 0-1
ISCJB VII 26 15 39 14.7–.71 36.97N–.04 29.11E–.04 4–8 ¶11514516
CSEM VII 26 15 39 14.9–.20 36.99N 29.12E 8 2.9
ISK VII 26 15 39 14.8 37.05N 29.16E 18 2.9
DDA VII 26 15 39 15.0 37.00N 29.13E 7–6 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.0km az=23.8.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=5.0.
ISC VII 26 18 39 31.4–.65 37.48N–.05 38.66E–.04 12–5 28 0-2
DDA VII 26 18 39 30.8 37.46N 38.69E 3–0 2.8 ¶11514517
ISK VII 26 18 39 30.4 37.44N 38.74E 20 2.8
CSEM VII 26 18 39 30.8–.22 37.46N 38.64E 10 2.8
ISCJB VII 26 18 39 31.1–.74 37.50N–.05 38.65E–.04 5–8 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 26 18 42 29.4–.65 36.98N–.04 29.15E–.04 7–9 39 0-1
ISK VII 26 18 42 28.8 37.03N 29.15E 6 3.0 ¶11514518
CSEM VII 26 18 42 28.9–.20 36.99N 29.16E 5 3.0
ISCJB VII 26 18 42 29.8–.56 36.99N–.04 29.20E–.04 17–11 3.0
DDA VII 26 18 42 29.2 37.02N 29.24E 20–0 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.4km az=16.9.
ISC VII 26 21 56 38.4–.62 36.98N–.03 29.16E–.04 6–5 58 0-3
ISCJB VII 26 21 56 37.8–.69 36.97N–.03 29.16E–.03 2–7 ¶11514519
ISK VII 26 21 56 37.7 37.01N 29.17E 5 2.9
DDA VII 26 21 56 38.4 37.01N 29.18E 7–3 3.0
CSEM VII 26 21 56 38.2–.11 36.97N 29.17E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=13.2.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=1.7km az=7.0.
ISC VII 26 22 07 06.0–.28 37.19N–.02 29.84E–.02 10 95 0-27
ISK VII 26 22 07 03.4 37.16N 29.86E 5 3.3 ¶11514520
NEIC VII 26 22 07 03.0 37.15N 29.84E 5 3.2
DDA VII 26 22 07 04.3 37.02N 29.78E 7–4 3.3
CSEM VII 26 22 07 04.9–.13 37.18N 29.86E 2 3.3
IDC VII 26 22 07 05.4–1.8 37.12N 29.77E 0 3.5,3.4
ISCJB VII 26 22 07 05.2–.28 37.17N–.02 29.85E–.02 10 3.5,3.4
ISC Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 26 22 16 50.1–.34 38.49N–.02 43.10E–.02 11–2 4.3b,3.6s 592 0-95
NSSP VII 26 22 16 45.3 38.40N 43.20E 5 4.3s,3.6s ¶11153797
ISCJB VII 26 22 16 49.0–.32 38.50N–.01 43.11E–.02 15–2 4.3b,3.6s
DDA VII 26 22 16 48.3 38.53N 43.10E 5–1 4.2,3.6s
MOS VII 26 22 16 48.8–1.3 38.40N 43.09E 20 4.6b,3.6s
ISK VII 26 22 16 49.0 38.54N 43.10E 7 4.5L,3.6s
CSEM VII 26 22 16 49.6–.12 38.51N 43.12E 10 4.5b,3.4s

NEIC VII 26 22 16 50.0 38.44N 43.39E 11 4.6L,4.4b
IDC VII 26 22 16 52.7–2.0 38.61N 43.09E 33–15 4.0,4.0
BJI VII 26 22 16 55.0 38.70N 43.00E 50 4.9b,4.7b
SZGRF VII 26 22 17 12.2 40.78N 42.05E 33 4.4b,4.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=147.1.
MOS Error ellipse: s-maj=5.5km s-min=3.5km az=119.6.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=176.0.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=14.3km s-min=8.2km az=159.0.
SZGRF Turkey.
ISC VII 27 00 13 09.5–.60 36.94N–.04 29.19E–.05 11–8 30 0-2
ISK VII 27 00 13 08.4 36.96N 29.22E 13 2.8 **¶11514522**
ISCJB VII 27 00 13 09.2–.57 36.94N–.04 29.19E–.04 10 2.8
CSEM VII 27 00 13 09.3–.19 36.95N 29.22E 15 2.8
DDA VII 27 00 13 09.8 36.94N 29.23E 7–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.9km az=141.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=7.0.
ISC VII 27 01 07 10.8–.49 37.04N–.03 29.11E–.03 10–5 51 0-2
ISK VII 27 01 07 09.9 37.07N 29.13E 8 3.1 **¶11514523**
ISCJB VII 27 01 07 10.1–.63 37.04N–.04 29.10E–.03 5–6 3.1
CSEM VII 27 01 07 10.4–.18 37.02N 29.13E 10 3.1
DDA VII 27 01 07 10.8 37.02N 29.14E 7–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=16.7.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=12.0.
ISC VII 27 01 56 34.9–.46 37.00N–.03 29.21E–.04 10–5 61 0-3
CSEM VII 27 01 56 34.6–.14 37.00N 29.22E 10 3.0 **¶11514524**
ISCJB VII 27 01 56 34.5–.56 37.01N–.04 29.20E–.03 8–6 3.0
DDA VII 27 01 56 34.5 37.01N 29.18E 7–2 2.9
ISK VII 27 01 56 34.3 37.03N 29.22E 10 3.0
NEIC VII 27 01 56 34.0 37.04N 29.20E 9 3.0
ATH VII 27 01 56 36.6 36.71N 29.18E 79 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=15.2.
NEIC Event type se. After ISK.
ISC VII 27 03 04 16.8–.46 37.03N–.03 29.15E–.03 12–4 61 0-4
ISK VII 27 03 04 15.7 37.02N 29.14E 12 3.1 **¶11514526**
ISCJB VII 27 03 04 16.3–.58 37.03N–.03 29.13E–.03 10–5 3.1
CSEM VII 27 03 04 16.3–.10 37.02N 29.15E 12 3.1
DDA VII 27 03 04 16.5 37.01N 29.17E 7–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=1.4.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=8.0.
ISC VII 27 07 52 46.4–.58 37.02N–.04 29.16E–.04 10–7 40 0-3
ISK VII 27 07 52 44.7 37.01N 29.20E 5 2.9 **¶11514529**
ISCJB VII 27 07 52 45.8–.71 37.00N–.04 29.16E–.04 2–8 2.9
CSEM VII 27 07 52 45.9–.27 37.02N 29.17E 8 2.9
DDA VII 27 07 52 46.2 37.04N 29.17E 7–6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=34.6.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=27.0.
ISC VII 27 08 11 50.2–.81 39.49N–.05 33.17E–.07 9–4 36 0-3
ISCJB VII 27 08 11 49.9–.83 39.48N–.04 33.18E–.07 8–5 **¶11514531**
ISK VII 27 08 11 49.3 39.52N 33.22E 9 3.2
DDA VII 27 08 11 50.6 39.58N 33.19E 7–3 3.0
CSEM VII 27 08 11 50.1–.22 39.55N 33.19E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=7.4km az=178.4.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=5.1km az=7.0.
ISC VII 27 15 54 41.6–.38 39.57N–.02 28.05E–.03 4–4 92 0-2
ISK VII 27 15 54 40.7 39.55N 28.04E 4 3.0 **¶11514541**
DDA VII 27 15 54 40.9 39.56N 28.05E 18–2 3.2
ISCJB VII 27 15 54 41.1–.47 39.56N–.02 28.06E–.03 2–4 3.2
CSEM VII 27 15 54 41.3–.10 39.56N 28.04E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=144.3.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=61.0.
ISC VII 27 21 54 10.8–.58 38.48N–.05 27.58E–.04 2–7 34 0-2
ISCJB VII 27 21 54 10.4–.84 38.50N–.06 27.57E–.06 2–12 **¶11514543**
CSEM VII 27 21 54 10.6–.08 38.53N 27.55E 2 2.6
DDA VII 27 21 54 10.5 38.48N 27.58E 8–4 2.7
ISK VII 27 21 54 10.0 38.47N 27.56E 9 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.7km az=146.5.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.1km az=166.0.
ISC VII 28 05 08 51.8–.39 39.82N–.02 30.49E–.04 7–4 62 0-2
ISCJB VII 28 05 08 51.4–.41 39.81N–.02 30.47E–.04 4–4 **¶11514545**
CSEM VII 28 05 08 51.4–.05 39.82N 30.48E 5 2.8
DDA VII 28 05 08 51.1 39.79N 30.51E 4–3 2.8
ISK VII 28 05 08 51.0 39.82N 30.49E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=176.8.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=65.0.
ISC VII 28 05 38 53.2–.44 39.14N–.02 41.67E–.02 1–4 85 0-4
ISK VII 28 05 38 52.3 39.17N 41.67E 3 3.6 **¶11514546**
DDA VII 28 05 38 52.7 39.14N 41.65E 22–1 3.5
TEH VII 28 05 38 52.7 39.15N 41.64E 2 3.5
ISCJB VII 28 05 38 53.6–.27 39.15N–.02 41.68E–.02 10 3.5
CSEM VII 28 05 38 53.0–.16 39.16N 41.70E 2 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=158.9.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=13.0.
ISC VII 28 07 14 18.2–.63 37.01N–.05 29.17E–.04 3–7 33 0-3
ISCJB VII 28 07 14 17.8–.71 37.01N–.05 29.17E–.04 4–7 **¶11514547**
ISK VII 28 07 14 17.9 37.02N 29.20E 6 3.2
CSEM VII 28 07 14 17.9 37.02N 29.20E 6 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VII 28 14 53 04.7–.45 36.95N–.02 29.18E–.02 4–3 3.8b 137 0-40
ISK VII 28 14 53 03.9 37.00N 29.18E 8 3.4 **¶11514553**
ISCJB VII 28 14 53 04.0–.43 36.93N–.02 29.20E–.03 8–3 3.8b
DDA VII 28 14 53 04.5 36.97N 29.19E 7–4 3.2
CSEM VII 28 14 53 04.2–.14 36.94N 29.19E 2 3.4
IDC VII 28 14 53 04.0–2.8 36.90N 29.20E 0 3.7,3.6
ATH VII 28 14 53 05.8 36.92N 29.16E 37–12 3.5,3.6
NEIC VII 28 14 53 08.3–.37 36.86N 29.17E 38–11 3.5,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=143.5.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=157.0.
IDC Error ellipse: s-maj=47.0km s-min=22.7km az=63.0.
ATH Error ellipse: s-maj=1.6km s-min=7.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.9km az=146.0.
ISC VII 28 20 49 20.1–.45 38.61N–.02 39.69E–.03 5–4 53 0-3
ISK VII 28 20 49 18.5 38.63N 39.68E 5 3.3 **¶11514554**
ISCJB VII 28 20 49 19.9–.34 38.61N–.02 39.68E–.03 10 3.3
CSEM VII 28 20 49 19.7–.27 38.63N 39.67E 5 3.3
DDA VII 28 20 49 19.0 38.61N 39.69E 16–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=1.5.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=5.4km az=160.0.
ISK VII 29 09 48 51.8 37.01N 35.07E 5 1.9L
CSEM VII 29 09 48 53.6–.49 36.93N 35.09E 5 1.9L **¶11514564**
DDA VII 29 09 48 54.8 36.94N 35.06E 7–5 2.8
CSEM Event type ke. Error ellipse: s-maj=14.2km s-min=7.1km az=1.0.
ISC VII 29 10 37 36.8–.67 38.84N–.03 38.43E–.06 10 21 0-2
ISK VII 29 10 37 33.1 38.94N 38.18E 5 2.7 **¶11514566**
DDA VII 29 10 37 35.6 38.87N 38.25E 7–5 2.7
ISCJB VII 29 10 37 36.3–.66 38.83N–.03 38.44E–.06 10 2.7
CSEM VII 29 10 37 36.1–.49 38.83N 38.38E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=10.4.
CSEM Event type ke. Error ellipse: s-maj=12.1km s-min=10.1km az=97.0.
ISC VII 29 10 45 38.4–.44 40.30N–.03 29.16E–.03 7–8 42 0-1
ISCJB VII 29 10 45 37.9–.41 40.32N–.03 29.17E–.03 10 **¶11514567**
DDA VII 29 10 45 38.0 40.28N 29.15E 6–1 2.6
ISK VII 29 10 45 37.0 40.27N 29.13E 18 2.7
CSEM VII 29 10 45 37.8–.14 40.29N 29.17E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=21.3.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=8.0.
ISC VII 29 13 24 53.9–.57 36.99N–.03 29.22E–.04 10–5 47 0-3
DDA VII 29 13 24 52.9 36.99N 29.22E 7–4 2.7 **¶11514571**
ISCJB VII 29 13 24 53.3–.64 36.99N–.03 29.22E–.04 5–6 2.7
CSEM VII 29 13 24 53.5–.20 37.01N 29.23E 10 2.7
ISK VII 29 13 24 53.4 37.03N 29.23E 13 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.4km az=25.9.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=26.0.
ISC VII 29 16 34 48.9–.57 36.98N–.04 29.24E–.04 14–5 39 0-2
DDA VII 29 16 34 47.2 36.97N 29.21E 7–5 2.9 **¶11514572**
ISCJB VII 29 16 34 48.6–.62 36.98N–.04 29.23E–.04 11–6 2.9
CSEM VII 29 16 34 48.3–.24 36.99N 29.23E 8 2.9
ISK VII 29 16 34 48.6 36.98N 29.22E 16 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.0km az=9.7.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=16.0.
ISC VII 29 20 50 18.0–.54 37.07N–.04 29.24E–.04 11–6 46 1-3
ISK VII 29 20 50 16.8 37.05N 29.21E 9 3.0 **¶11514574**
ISCJB VII 29 20 50 17.3–.58 37.06N–.04 29.24E–.04 6–7 3.0
CSEM VII 29 20 50 17.9–.30 37.08N 29.24E 12 3.0
DDA VII 29 20 50 17.1 37.01N 29.17E 8–6 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.6km az=43.1.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=6.2km az=15.0.
ISC VII 30 13 26 59.7–.28 40.32N–.02 27.50E–.02 11–2 132 0-4
DDA VII 30 13 26 59.0 40.31N 27.51E 17–1 3.1 **¶11514578**
ISCJB VII 30 13 26 59.3–.29 40.32N–.02 27.51E–.02 9–3 3.1
ISK VII 30 13 26 59.1 40.30N 27.50E 14 3.4L
CSEM VII 30 13 26 59.6–.07 40.32N 27.50E 10 3.4L
THE VII 30 13 27 02.8 40.30N 27.50E 32–15 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=25.5.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=19.0.
THE Event type ke. Error ellipse: s-maj=15.1km s-min=0.8km az=263.0.
ISC VII 30 15 02 04.1–.50 41.22N–.03 33.87E–.04 4–5 44 0-2
ISCJB VII 30 15 02 03.7–.55 41.23N–.03 33.88E–.04 6–5 **¶11514579**
DDA VII 30 15 02 03.1 41.25N 33.86E 7–1 3.0
ISK VII 30 15 02 03.8 41.20N 33.83E 7 2.9
CSEM VII 30 15 02 04.0–.18 41.22N 33.86E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.7km az=19.5.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=2.0.
ISC VII 30 21 35 52.3–.40 40.83N–.03 28.82E–.04 9–6 49 0-2
ISCJB VII 30 21 35 51.9–.40 40.83N–.03 28.81E–.04 6–7 **¶11514581**
DDA VII 30 21 35 51.8 40.79N 28.77E 7–5 2.8
ISK VII 30 21 35 51.7 40.83N 28.83E 6 2.8
CSEM VII 30 21 35 52.2–.09 40.83N 28.82E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=169.5.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=76.0.
ISC VII 31 05 02 11.9–.25 39.74N–.02 33.37E–.02 10 3.5b 134 0-38
ISK VII 31 05 02 09.6 39.73N 33.35E 5 4.2L **¶11514582**
DDA VII 31 05 02 10.3 39.72N 33.39E 16–1 4.3L
NEIC VII 31 05 02 10.0 39.72N 33.35E 3 4.2L
CSEM VII 31 05 02 11.0–.13 39.74N 33.36E 2 4.2L
ISCJB VII 31 05 02 11.2–.25 39.75N–.02 33.37E–.02 10 3.5b
IDC VII 31 05 02 12.3–.84 39.78N 33.43E 0 3.6L,3.6b
ISC Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=5.6.
IDC Error ellipse: s-maj=18.3km s-min=4.9km az=30.0.
ISC VII 31 05 09 12.0–.47 37.00N–.02 29.16E–.02 4–3 3.7b 136 0-34
IDC VII 31 05 09 09.9–1.4 36.93N 29.06E 0 3.9b,3.8 **¶11514583**
DDA VII 31 05 09 11.3 36.99N 29.17E 7–6 3.2,3.8
ISCJB VII 31 05 09 11.2–.47 37.00N–.02 29.16E–.02 3–4 3.7b,3.8
CSEM VII 31 05 09 11.9–.15 37.05N 29.16E 2 3.2,3.8
ISK VII 31 05 09 11.5 37.06N 29.14E 7 3.3,3.8
NEIC VII 31 05 09 11.0 37.06N 29.13E 7 3.5,3.3
ATH VII 31 05 09 13.6 37.07N 28.79E 2 3.5,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=22.6km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=170.3.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=163.0.
NEIC Event type se. After ISK.
ATH Error ellipse: s-maj=1.4km s-min=5.3km az=-1.0.
ISC VII 31 07 21 25.7–.64 39.94N–.04 39.59E–.05 18–5 26 0-1
ISK VII 31 07 21 23.8 39.94N 39.74E 19 2.7 **¶11514584**
ISCJB VII 31 07 21 25.8–.61 39.94N–.04 39.58E–.05 22–9 2.7
DDA VII 31 07 21 25.7 39.97N 39.58E 10–1 2.3
CSEM VII 31 07 21 25.4–.20 39.94N 39.58E 20 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=6.7km az=167.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=97.0.
ISC VII 31 11 35 08.9–.60 39.68N–.05 33.38E–.04 16–5 30 0-2
ISK VII 31 11 35 06.6 39.64N 33.36E 11 2.6L **¶11514587**
ISCJB VII 31 11 35 08.5–.69 39.70N–.04 33.38E–.05 11–6 2.6L
DDA VII 31 11 35 08.8 39.75N 33.39E 7–1 3.0
CSEM VII 31 11 35 08.3–.25 39.67N 33.39E 15 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=6.0km az=8.6.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.8km az=1.0.
ISC VIII 01 06 18 47.9–.61 36.97N–.03 29.22E–.04 8–5 41 0-2
DDA VIII 01 06 18 46.5 36.97N 29.25E 7–5 3.0 **¶11525225**
ISCJB VIII 01 06 18 47.2–.66 36.97N–.03 29.21E–.04 1–7 3.0
ISK VIII 01 06 18 47.5 36.99N 29.20E 10 2.9
CSEM VIII 01 06 18 47.2–.25 36.97N 29.24E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.8km az=25.4.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.7km az=29.0.
ISC VIII 01 09 01 19.0–.61 37.02N–.04 29.21E–.04 15–6 31 0-2
DDA VIII 01 09 01 17.5 36.99N 29.22E 7–6 2.9 **¶11525228**
ISCJB VIII 01 09 01 18.4–.64 37.01N–.04 29.20E–.04 10–6 2.9
ISK VIII 01 09 01 18.5 37.01N 29.19E 17 2.7
CSEM VIII 01 09 01 18.1–.28 36.99N 29.24E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=26.8.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.5km az=23.0.
ISC VIII 01 09 53 42.5–.67 38.55N–.04 33.85E–.05 15–6 22 0-1
ISK VIII 01 09 53 40.9 38.69N 33.70E 5 2.7 **¶11525229**
DDA VIII 01 09 53 41.3 38.51N 33.82E 7–6 3.0
ISCJB VIII 01 09 53 43.0–.71 38.51N–.05 33.87E–.06 22–8 3.0
CSEM VIII 01 09 53 42.4–.41 38.49N 33.89E 20 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=5.3km az=139.2.
CSEM Event type ke. Error ellipse: s-maj=13.5km s-min=6.9km az=140.0.
ISC VIII 01 12 09 35.4–.50 39.46N–.03 33.10E–.04 9–4 49 0-3
ISK VIII 01 12 09 33.9 39.52N 33.14E 10 3.1 **¶11525231**

ISCJB VIII 01 12 09 34.9–.50 39.45N–.03 33.10E–.03 7–5 3.1
CSEM VIII 01 12 09 34.6–.19 39.45N 33.05E 2 3.1
DDA VIII 01 12 09 35.1 39.48N 33.11E 12–1 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.3km az=8.5.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.8km az=139.0.
ISC VIII 01 15 47 14.8–.63 37.65N–.03 43.98E–.04 6–6 41 0-4
DDA VIII 01 15 47 11.4 37.43N 44.14E 5–0 3.1 ¶11525235
ISK VIII 01 15 47 12.8 37.63N 43.93E 2 3.4
CSEM VIII 01 15 47 13.3–.78 37.61N 44.05E 2 3.4
ISCJB VIII 01 15 47 14.0–.59 37.65N–.03 43.99E–.03 5–6 3.4
TEH VIII 01 15 47 15.4 37.79N 43.82E 23 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.3km s-min=8.2km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=166.5.
ISC VIII 01 17 10 22.7–.40 37.18N–.03 36.02E–.03 13–4 64 0-3
ISK VIII 01 17 10 21.6 37.15N 36.04E 19 3.2 ¶11525236
ISCJB VIII 01 17 10 22.3–.42 37.19N–.03 36.00E–.03 13–4 3.2
CSEM VIII 01 17 10 22.4–.14 37.19N 36.02E 15 3.2
DDA VIII 01 17 10 23.1 37.20N 36.08E 7–9 3.2
NSSC VIII 01 17 10 23 36.91N 37.53E 10–6 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=142.3.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=165.0.
NSSC Event type se.
ISC VIII 03 06 35 49.7–.69 39.45N–.04 33.02E–.04 4–8 27 0-2
DDA VIII 03 06 35 47.3 39.40N 32.97E 6–5 2.8 ¶11525239
CSEM VIII 03 06 35 48.9–.30 39.48N 33.05E 10 2.8
ISCJB VIII 03 06 35 49.3–.71 39.45N–.04 33.00E–.05 4–7 2.8
ISK VIII 03 06 35 49.5 39.47N 32.98E 17 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=6.3km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.1km az=144.3.
ISC VIII 03 10 18 57.1–1.0 38.40N–.07 38.84E–.05 13–9 22 0-1
DDA VIII 03 10 18 55.1 38.29N 38.93E 7–5 2.9 ¶11525240
ISK VIII 03 10 18 55.8 38.40N 38.83E 23 2.4
ISCJB VIII 03 10 18 57.0–.77 38.38N–.06 38.84E–.05 10–7 2.4
CSEM VIII 03 10 18 56.8–.24 38.41N 38.84E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.2km az=153.5.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.7km az=164.0.
ISC VIII 03 12 50 15.5–.43 39.21N–.02 29.38E–.03 5–5 75 0-2
DDA VIII 03 12 50 14.7 39.19N 29.37E 7–3 2.9 ¶11525243
ISCJB VIII 03 12 50 15.2–.61 39.19N–.03 29.38E–.03 5–7 2.9
ISK VIII 03 12 50 15.0 39.17N 29.38E 7 2.8
CSEM VIII 03 12 50 15.1–.10 39.20N 29.39E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.6km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=147.0.
ISC VIII 03 16 01 18.4–.22 37.15N–.02 29.88E–.02 10 3.7b,2.9s 167 0-63
DDA VIII 03 16 01 16.2 37.14N 29.88E 7–4 3.5,2.9s ¶11525245
ISK VIII 03 16 01 16.8 37.17N 29.87E 8 3.8L,2.9s
ISCJB VIII 03 16 01 17.2–.22 37.16N–.02 29.89E–.02 10 3.7b,2.9s
IDC VIII 03 16 01 17.5–1.0 37.09N 29.83E 0 3.9,3.8
CSEM VIII 03 16 01 17.4–.11 37.16N 29.86E 2 3.5,3.8
NEIC VIII 03 16 01 18.6–1.9 37.18N 29.96E 4–13 3.8L,3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=14.4.
IDC Error ellipse: s-maj=20.6km s-min=18.0km az=116.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=47.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.2km az=223.0.
ISC VIII 04 04 36 01.8–.63 40.41N–.03 37.39E–.03 7–5 68 1-3
ISK VIII 04 04 36 00.6 40.39N 37.38E 5 3.3 ¶11525248
ISCJB VIII 04 04 36 01.2–.61 40.38N–.03 37.37E–.03 5–5 3.3
CSEM VIII 04 04 36 01.2–.17 40.42N 37.41E 2 3.3
DDA VIII 04 04 36 01.2 40.38N 37.40E 14–2 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=21.1.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=10.0.
ISC VIII 04 06 01 14.4–.87 39.46N–.03 33.03E–.04 4–6 45 0-3
ISK VIII 04 06 01 12.4 39.48N 33.08E 5 2.9 ¶11525249
ISCJB VIII 04 06 01 13.8–.84 39.46N–.03 33.03E–.04 2–7 2.9
CSEM VIII 04 06 01 13.6–.16 39.45N 33.03E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=31.8.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=106.0.
CSEM VIII 04 21 04 47.5–.05 39.08N 35.98E 2 3.2
ISK VIII 04 21 04 46.3 39.06N 35.99E 3 3.4 ¶11525252
DDA VIII 04 21 04 48.4 39.00N 35.91E 2–0 3.2
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=41.0.
ISC VIII 05 00 54 54.1–.82 39.09N–.03 36.03E–.04 4–7 76 1-4
ISK VIII 05 00 54 52.6 39.07N 36.03E 4 3.5 ¶11525254
CSEM VIII 05 00 54 52.6 39.07N 36.03E 4 3.5
ISCJB VIII 05 00 54 53.3–.79 39.09N–.03 36.03E–.03 5–7 3.5
ISC Event type ke.
CSEM Event type ke. After ISK.
ISCJB Event type ke.
ISC VIII 05 02 35 45.6–.69 37.62N–.03 43.46E–.06 1–7 46 0-4
ISK VIII 05 02 35 44.8 37.60N 43.42E 6 3.4 ¶11525255
ISCJB VIII 05 02 35 45.5–.51 37.62N–.03 43.47E–.05 10 3.4
CSEM VIII 05 02 35 45.3–.30 37.63N 43.45E 2 3.4
DDA VIII 05 02 35 45.9 37.64N 43.39E 12–1 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.5km az=162.6.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.0km az=73.0.
ISC VIII 06 01 22 20.9–.45 37.89N–.02 38.00E–.04 7–4 59 0-3
ISK VIII 06 01 22 19.9 37.93N 38.01E 11 3.1 ¶11525264
ISCJB VIII 06 01 22 20.3–.54 37.89N–.02 38.00E–.04 3–5 3.1
CSEM VIII 06 01 22 20.7–.13 37.90N 38.04E 12 3.2
DDA VIII 06 01 22 20.7 37.90N 38.03E 17–1 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=30.6.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=127.0.
ISC VIII 06 02 27 36.4–.58 36.95N–.04 29.19E–.03 7–5 52 0-2
ISCJB VIII 06 02 27 35.8–.62 36.95N–.03 29.18E–.03 1–6 ¶11525267
DDA VIII 06 02 27 35.9 36.96N 29.20E 4–0 3.1
CSEM VIII 06 02 27 36.1–.17 36.96N 29.20E 8 3.0
ISK VIII 06 02 27 36.1 37.00N 29.18E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.5km az=175.0.
CSEM Event type ke.
ISC VIII 06 05 08 17.1–.54 37.91N–.02 30.98E–.03 7–4 144 1-4
DDA VIII 06 05 08 12.8 37.91N 31.15E 7–3 3.7 ¶11525268
ISCJB VIII 06 05 08 16.8–.26 37.92N–.02 30.99E–.03 10 3.7
CSEM VIII 06 05 08 16.5–.11 37.91N 30.98E 2 3.5L
ISK VIII 06 05 08 16.1 37.90N 30.98E 8 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=16.8.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=94.0.
ISK VIII 06 08 59 12.0 37.30N 28.25E 6 2.9
CSEM VIII 06 08 59 12.8–.24 37.25N 28.24E 12 2.9 ¶11525271
DDA VIII 06 08 59 12.4 37.39N 27.63E 7–5 2.7
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=51.0.
ISC VIII 06 09 00 11.4–.55 37.23N–.05 28.21E–.04 12–6 34 0-1
ISK VIII 06 09 00 10.8 37.24N 28.19E 13 3.0 ¶11525272
ISCJB VIII 06 09 00 11.0–.54 37.23N–.04 28.21E–.04 11–5 3.0
DDA VIII 06 09 00 11.2 37.23N 28.20E 7–4 2.6
CSEM VIII 06 09 00 11.3–.10 37.23N 28.21E 12 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.6km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=18.0.

ISC VIII 06 14 58 03.8–1.5 37.25N–.09 28.23E–.07 10–20 8 0-1
ISK VIII 06 14 58 01.8 37.32N 28.29E 5 2.6 ¶11525280
ISCJB VIII 06 14 58 03.5–.94 37.25N–.08 28.22E–.07 11–10 2.6
ISC VIII 07 01 11 45.2–.56 39.44N–.03 33.05E–.04 9–5 48 0-2
ISCJB VIII 07 01 11 44.8–.68 39.43N–.03 33.03E–.04 6–5 ¶11525283
DDA VIII 07 01 11 44.6 39.44N 33.05E 10–1 3.0
ISK VIII 07 01 11 44.4 39.46N 33.05E 5 3.1
CSEM VIII 07 01 11 44.7–.12 39.44N 33.05E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=136.8.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=133.0.
ISC VIII 07 02 26 23.0–.61 36.96N–.03 29.19E–.03 5–6 47 0-2
CSEM VIII 07 02 26 22.8–.19 36.98N 29.22E 5 3.0 ¶11525286
DDA VIII 07 02 26 22.5 36.97N 29.21E 7–3 3.0
ISK VIII 07 02 26 22.7 37.01N 29.21E 8 3.0
ISCJB VIII 07 02 26 23.1–.50 36.97N–.04 29.22E–.03 10 3.0
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 07 02 39 30.9–.59 36.99N–.03 29.23E–.05 8–7 40 0-2
DDA VIII 07 02 39 29.7 36.97N 29.21E 7–3 2.8 ¶11525287
ISCJB VIII 07 02 39 30.5–.64 36.98N–.03 29.23E–.04 4–7 2.8
CSEM VIII 07 02 39 30.1–.26 36.98N 29.22E 2 2.9
ISK VIII 07 02 39 30.4 37.02N 29.23E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.6km az=36.1.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=7.0.
ISC VIII 07 09 04 03.7–.79 39.26N–.05 30.52E–.05 6–12 25 0-2
ISK VIII 07 09 04 01.2 39.46N 30.31E 9 2.7 ¶11525291
DDA VIII 07 09 04 02.2 39.27N 30.55E 3–1 2.8
ISCJB VIII 07 09 04 03.0–.68 39.33N–.07 30.48E–.07 10 2.8
CSEM VIII 07 09 04 03.3–.31 39.27N 30.49E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.5km az=142.3.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=5.2km az=156.0.
ISC VIII 07 11 57 36.5–1.1 40.58N–.05 39.9E–.10 13–13 24 0-2
DDA VIII 07 11 57 35.2 40.59N 39.95E 7–2 2.5 ¶11525294
ISCJB VIII 07 11 57 36.7–.86 40.60N–.04 39.89E–.06 15–6 2.5
CSEM VIII 07 11 57 36.1–.20 40.57N 39.94E 12 2.5
ISK VIII 07 11 57 36.0 40.62N 39.80E 28 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.5km az=38.2.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=139.0.
ISC VIII 08 02 40 23.2–.54 37.08N–.04 29.14E–.04 5–8 38 0-2
ISK VIII 08 02 40 21.4 37.07N 29.17E 5 2.9 ¶11525300
ISCJB VIII 08 02 40 22.7–.65 37.07N–.04 29.14E–.04 2–9 2.9
DDA VIII 08 02 40 22.9 37.04N 29.17E 7–7 2.9
CSEM VIII 08 02 40 23.0–.18 37.08N 29.16E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.3km az=9.8.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=2.0.
ISC VIII 08 03 46 30.0–.50 37.03N–.03 29.26E–.04 12–5 44 0-2
DDA VIII 08 03 46 27.8 36.96N 29.18E 7–3 3.0 ¶11525301
ISCJB VIII 08 03 46 29.6–.58 37.03N–.03 29.25E–.04 8–6 3.0
ISK VIII 08 03 46 29.1 37.03N 29.25E 8 3.0
CSEM VIII 08 03 46 29.3–.12 37.03N 29.26E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=41.4.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.9km az=29.0.
ISC VIII 08 04 56 19.1–.49 38.23N–.04 38.54E–.04 25–9 35 0-1
CSEM VIII 08 04 56 17.6–.35 38.24N 38.55E 33–5 2.7 ¶11525302
ISK VIII 08 04 56 17.8 38.20N 38.53E 26 2.7
DDA VIII 08 04 56 18.6 38.14N 38.58E 4–1 2.8
ISCJB VIII 08 04 56 19.0–.50 38.23N–.04 38.54E–.04 27–5 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 08 18 50 59.4–.54 39.76N–.03 40.51E–.03 0–5 52 1-3
ISK VIII 08 18 50 57.8 39.76N 40.50E 5 3.0 ¶11525307
DDA VIII 08 18 50 58.6 39.77N 40.48E 7–6 3.2
ISCJB VIII 08 18 50 59.8–.36 39.75N–.03 40.49E–.03 10 3.2
CSEM VIII 08 18 50 59.4–.20 39.74N 40.50E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=161.1.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=153.0.
ISC VIII 08 23 27 10.1–.74 38.25N–.04 42.49E–.04 4–7 29 0-3
DDA VIII 08 23 27 09.5 38.38N 42.44E 7–6 3.0 ¶11525311
ISK VIII 08 23 27 09.8 38.20N 42.50E 6 2.9
CSEM VIII 08 23 27 09.8–.33 38.25N 42.48E 2 2.9
ISCJB VIII 08 23 27 10.4–.49 38.27N–.04 42.49E–.04 10 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 08 23 34 43.8–.62 38.27N–.04 42.46E–.04 8–6 29 0-2
DDA VIII 08 23 34 42.0 38.33N 42.43E 7–3 3.0 ¶11525312
ISCJB VIII 08 23 34 43.2–.97 38.26N–.05 42.45E–.04 4–9 3.0
CSEM VIII 08 23 34 43.0–.28 38.23N 42.45E 2 2.9
ISK VIII 08 23 34 43.4 38.19N 42.49E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.0km az=179.7.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=5.5km az=23.0.
ISC VIII 09 11 38 17.2–.00 40.06N–.05 33.69E–.08 14–14 20 0-2
CSEM VIII 09 11 38 15.8–.42 40.04N 33.64E 2 2.9 ¶13827122
ISCJB VIII 09 11 38 16.5–.99 40.05N–.05 33.70E–.08 8–16 2.9
DDA VIII 09 11 38 16.4 40.01N 33.68E 7–4 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.2km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=5.7km az=149.8.
ISC VIII 09 21 02 48.1–.63 38.35N–.04 42.90E–.03 1–7 45 0-4
DDA VIII 09 21 02 47.8 38.38N 42.90E 7–4 3.3 ¶11525319
ISK VIII 09 21 02 47.6 38.33N 43.00E 2 3.4
ISCJB VIII 09 21 02 48.3–.45 38.37N–.04 42.92E–.03 10 3.4
CSEM VIII 09 21 02 48.4–.35 38.35N 43.00E 2 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.3km az=165.7.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=7.4km az=170.0.
ISC VIII 10 00 03 12.1–.62 37.82N–.03 30.52E–.06 11–8 31 0-1
ISK VIII 10 00 03 10.7 37.84N 30.64E 8 2.8 ¶11525320
ISCJB VIII 10 00 03 11.5–.68 37.84N–.03 30.57E–.07 10 2.8
CSEM VIII 10 00 03 11.7–.34 37.82N 30.51E 10 2.8
DDA VIII 10 00 03 12.4 37.79N 30.47E 7–6 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=3.9km az=179.5.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=5.0km az=91.0.
ISC VIII 10 01 54 10.7–.69 38.01N–.03 29.10E–.06 10 18 0-1
ISK VIII 10 01 54 09.5 38.00N 29.10E 12 2.4 ¶11525321
CSEM VIII 10 01 54 09.5–.09 37.99N 29.10E 20 2.4
ISCJB VIII 10 01 54 10.3–.69 38.01N–.03 29.09E–.06 10 2.4
DDA VIII 10 01 54 10.2 38.02N 29.10E 11–1 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.5km az=18.1.
ISC VIII 10 02 22 22.5–.34 38.40N–.02 27.11E–.03 9–3 76 0-2
DDA VIII 10 02 22 22.0 38.38N 27.09E 11–3 3.0 ¶11525322
ISCJB VIII 10 02 22 22.2–.39 38.40N–.02 27.11E–.03 7–3 3.0
ISK VIII 10 02 22 22.1 38.45N 27.11E 7 3.0
CSEM VIII 10 02 22 22.5–.12 38.41N 27.12E 8 2.4L
THE VIII 10 02 22 24.1 38.44N 27.02E 3–8 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=31.2.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=50.0.

THE Event type ke. Error ellipse: s-maj=9.0km s-min=1.1km az=164.0.
ISC VIII 10 22 41 08.7–.44 38.00N–.02 29.09E–.04 5–7 41 0-1
ISK VIII 10 22 41 07.7 38.00N 29.08E 7 2.8 ¶11525325
ISCJB VIII 10 22 41 08.3–.50 38.00N–.02 29.09E–.04 4–7 2.8
DDA VIII 10 22 41 08.2 38.00N 29.10E 7–3 2.9
CSEM VIII 10 22 41 08.3–.12 37.99N 29.10E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=13.9.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=97.0.
ISC VIII 11 01 41 40.4–.59 39.20N–.03 26.71E–.05 6–5 46 0-3
ISCJB VIII 11 01 41 39.8–.60 39.20N–.03 26.72E–.05 4–6 ¶11525327
ISK VIII 11 01 41 39.5 39.20N 26.72E 5 2.9
CSEM VIII 11 01 41 40.1–.09 39.20N 26.70E 5 3.1
DDA VIII 11 01 41 40.5 39.21N 26.77E 8–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.8km az=154.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.4km az=57.0.
ISC VIII 11 03 12 54.0–.50 39.76N–.03 27.92E–.04 7–8 34 0-1
ISK VIII 11 03 12 52.7 39.76N 27.91E 5 2.4 ¶11525328
ISCJB VIII 11 03 12 53.6–.57 39.75N–.03 27.93E–.05 4–9 2.4
CSEM VIII 11 03 12 53.8–.11 39.74N 27.91E 2 2.4
DDA VIII 11 03 12 53.6 39.75N 27.93E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.6km az=176.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=73.0.
ISC VIII 11 11 38 10.0–.65 38.51N–.04 43.35E–.06 9–5 24 0-1
DDA VIII 11 11 38 08.2 38.49N 43.27E 8–1 3.0 ¶11525338
ISCJB VIII 11 11 38 09.8–.57 38.52N–.04 43.34E–.06 8–4 3.0
CSEM VIII 11 11 38 09.0–.20 38.47N 43.41E 8 2.4
ISK VIII 11 11 38 09.4 38.51N 43.38E 3 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.3km az=24.6.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.1km az=116.0.
ISC VIII 11 13 28 23.0–.47 39.95N–.03 33.54E–.03 11–4 45 1-2
ISK VIII 11 13 28 20.6 39.91N 33.55E 5 2.7 ¶11525339
ISCJB VIII 11 13 28 22.5–.54 39.95N–.03 33.54E–.04 8–5 2.7
DDA VIII 11 13 28 22.4 39.99N 33.57E 7–2 3.2L
CSEM VIII 11 13 28 22.5–.20 39.96N 33.54E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=143.0.
ISC VIII 11 13 49 45.0–1.7 37.15N–.07 38.78E–.08 5–6 28 0-2
ISCJB VIII 11 13 49 44.7–1.7 37.15N–.07 38.78E–.08 4–7 ¶11525341
ISK VIII 11 13 49 45.1 37.18N 38.84E 7 3.0
CSEM VIII 11 13 49 45.0–.50 37.16N 38.80E 5 3.0
DDA VIII 11 13 49 49.4 37.24N 38.44E 6–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=6.9km az=138.6.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=5.5km az=144.0.
ISC VIII 12 06 12 36.3–.24 39.83N–.02 41.56E–.02 10 3.6b 117 0-32
ISK VIII 12 06 12 35.4 39.84N 41.55E 5 3.8L ¶11525343
TEH VIII 12 06 12 35.0 39.88N 41.53E 17 3.8L
DDA VIII 12 06 12 35.1 39.88N 41.53E 17–2 3.7L
CSEM VIII 12 06 12 35.7–.16 39.88N 41.59E 2 3.8L
ISCJB VIII 12 06 12 35.8–.25 39.83N–.02 41.56E–.02 10 3.6b
NEIC VIII 12 06 12 35.0 39.85N 41.53E 5 3.8L
IDC VIII 12 06 12 39.2–2.1 40.18N 41.86E 0 3.7b,3.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=164.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.6km az=135.2.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=39.4km s-min=12.5km az=20.0.
ISC VIII 12 09 00 60.0–1.7 37.33N–.10 28.28E–.08 1–21 23 0-2
DDA VIII 12 09 00 60.0 37.23N 28.01E 7–4 3.0 ¶11525344
ISCJB VIII 12 09 01 00.3–1.1 37.29N–.09 28.23E–.06 8–14 3.0
ISK VIII 12 09 01 00.1 37.28N 28.23E 8 2.5
CSEM VIII 12 09 01 00.1–.12 37.31N 28.28E 2 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=5.2km az=24.6.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=18.0.
ISC VIII 12 10 43 38.3–.43 40.38N–.04 29.15E–.03 12–4 48 0-1
DDA VIII 12 10 43 37.4 40.31N 29.15E 2–2 2.6 ¶11525345
ISK VIII 12 10 43 37.5 40.36N 29.13E 13 2.4
ISCJB VIII 12 10 43 38.0–.43 40.38N–.03 29.16E–.03 10–5 2.4
CSEM VIII 12 10 43 38.1–.15 40.38N 29.15E 12 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=5.7.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=172.0.
ISC VIII 12 11 04 27.1–.37 39.02N–.02 27.88E–.03 12–4 56 0-2
ISCJB VIII 12 11 04 26.7–.38 39.03N–.02 27.88E–.03 9–4 ¶11525349
CSEM VIII 12 11 04 26.9–.12 39.03N 27.88E 10 2.9
DDA VIII 12 11 04 26.7 39.02N 27.89E 9–2 2.9
ISK VIII 12 11 04 26.4 39.02N 27.87E 11 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=40.7.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=123.0.
ISC VIII 12 11 31 23.6–1.1 38.68N–.04 44.0E–.20 11–13 12 0-2
ISCJB VIII 12 11 31 22.7–1.4 38.67N–.04 44.0E–.20 3–18 ¶11525350
ISK VIII 12 11 31 22.5 38.67N 44.00E 6 2.8
CSEM VIII 12 11 31 22.5 38.67N 44.00E 6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=6.3km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VIII 12 11 38 42.6–.68 36.96N–.04 29.18E–.04 4–7 37 0-1
ISK VIII 12 11 38 41.4 36.95N 29.19E 6 2.6 ¶11525351
ISCJB VIII 12 11 38 42.7–.61 36.97N–.04 29.19E–.04 10 2.6
DDA VIII 12 11 38 42.3 36.99N 29.12E 7–4 2.9
CSEM VIII 12 11 38 42.5–.30 36.97N 29.20E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.9km az=162.7.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.4km az=168.0.
ISC VIII 12 15 41 03.9–.27 40.84N–.02 27.94E–.02 10–2 182 0-5
BEO VIII 12 15 40 33.5 39.78N 30.55E 0–0 ¶11525353
SOF VIII 12 15 41 02.3 40.87N 27.85E 2 3.0
ISK VIII 12 15 41 03.4 40.83N 27.96E 10 3.5L,3.3
ISCJB VIII 12 15 41 03.4–.27 40.84N–.02 27.94E–.02 10–2 3.5L,3.3
CSEM VIII 12 15 41 03.8–.07 40.83N 27.95E 8 3.3,3.3
DDA VIII 12 15 41 03.8 40.81N 27.96E 7–6 3.4,3.3
THE VIII 12 15 41 05.9 40.80N 27.78E 10–2 3.1L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=176.5.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=176.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=88.0.
ISC VIII 13 08 32 45.3–.66 36.98N–.04 29.22E–.04 12–5 44 0-2
ISK VIII 13 08 32 37.3 37.61N 29.37E 4 2.8 ¶11525361
DDA VIII 13 08 32 44.6 36.98N 29.16E 7–4 3.1
ISCJB VIII 13 08 32 45.5–.68 36.97N–.04 29.25E–.04 17–11 3.1
CSEM VIII 13 08 32 45.4–.48 37.01N 29.28E 18–5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.7km az=169.9.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=9.8km az=48.0.
ISC VIII 13 09 08 47.3–.58 39.22N–.03 28.16E–.04 16–8 35 0-1
ISK VIII 13 09 08 46.5 39.22N 28.15E 9 2.5 ¶11525362
ISCJB VIII 13 09 08 47.0–.53 39.23N–.03 28.16E–.04 10–6 2.5
CSEM VIII 13 09 08 47.1–.16 39.22N 28.17E 15 2.8
DDA VIII 13 09 08 47.0 39.22N 28.19E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=149.4.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=57.0.
ISC VIII 13 09 17 36.4–.76 36.79N–.05 29.90E–.04 8–6 34 0-2
ISK VIII 13 09 17 35.0 36.86N 29.93E 5 2.3 ¶11525363
ISCJB VIII 13 09 17 36.2–.56 36.81N–.03 29.92E–.04 10 2.3
CSEM VIII 13 09 17 36.0–.31 36.81N 29.90E 5 2.3
DDA VIII 13 09 17 36.0 36.81N 29.87E 7–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=35.9.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.6km az=33.0.
ISC VIII 13 09 32 07.6–.56 39.10N–.03 39.89E–.03 4–6 33 0-2
ISK VIII 13 09 32 06.8 39.06N 39.88E 6 2.8 ¶11525365
DDA VIII 13 09 32 06.2 39.14N 39.91E 7–5 2.8
ISCJB VIII 13 09 32 07.1–.74 39.10N–.03 39.89E–.04 2–7 2.8
CSEM VIII 13 09 32 07.6–.19 39.08N 39.86E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=25.1.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=32.0.
ISC VIII 13 13 46 35.2–.57 38.48N–.04 29.73E–.04 10 30 0-1
ISK VIII 13 13 46 33.8 38.34N 29.80E 22 2.6 ¶11525366
ISCJB VIII 13 13 46 34.8–.53 38.50N–.03 29.73E–.04 10 2.6
DDA VIII 13 13 46 34.5 38.49N 29.73E 7–3 2.6
CSEM VIII 13 13 46 35.0–.18 38.46N 29.74E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=155.5.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=158.0.
ISC VIII 13 14 36 35.3–.38 39.05N–.02 27.36E–.03 12–4 57 0-2
ISCJB VIII 13 14 36 34.7–.44 39.06N–.02 27.35E–.03 4–5 ¶11525367
CSEM VIII 13 14 36 34.9–.10 39.04N 27.36E 10 2.9
ISK VIII 13 14 36 34.2 39.04N 27.38E 10 2.9
DDA VIII 13 14 36 35.1 39.07N 27.34E 7–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=6.8.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=83.0.
ISC VIII 13 16 38 47.5–.95 36.73N–.05 29.90E–.06 10–5 27 0-2
ISCJB VIII 13 16 38 47.5–.89 36.75N–.05 29.90E–.06 8–5 ¶13827300
DDA VIII 13 16 38 47.3 36.76N 29.97E 7–10 2.8
CSEM VIII 13 16 38 47.2–.57 36.75N 29.90E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=7.5km az=27.2.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=10.7km az=68.0.
ISC VIII 13 23 34 18.4–.85 39.40N–.04 33.10E–.04 5–7 44 0-3
CSEM VIII 13 23 34 17.8–.13 39.42N 33.07E 2 3.2 ¶11525372
ISCJB VIII 13 23 34 18.3–.83 39.41N–.04 33.10E–.04 6–7 3.2
DDA VIII 13 23 34 18.2 39.38N 33.17E 7–5 2.9
ISK VIII 13 23 34 18.1 39.45N 33.08E 8 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.1km az=146.6.
ISC VIII 14 10 58 44.3–.79 39.94N–.03 40.74E–.04 0–7 49 0-2
ISCJB VIII 14 10 58 44.8–.39 39.89N–.03 40.78E–.03 10 ¶11525377
CSEM VIII 14 10 58 44.9–.19 39.90N 40.78E 10 2.9
ISK VIII 14 10 58 44.3 39.89N 40.78E 9 2.9
DDA VIII 14 10 58 45.9 40.01N 40.86E 6–7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=144.5.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=142.0.
ISC VIII 14 14 43 12.5–.39 38.38N–.03 39.00E–.03 6–5 50 0-2
ISCJB VIII 14 14 43 11.9–.40 38.37N–.03 38.99E–.03 4–5 ¶11525381
DDA VIII 14 14 43 11.7 38.39N 39.00E 17–2 3.0
ISK VIII 14 14 43 11.5 38.40N 39.01E 6 2.9
CSEM VIII 14 14 43 12.1–.19 38.39N 39.01E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=173.3.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=164.0.
ISC VIII 15 06 18 33.2–.51 40.27N–.04 27.50E–.04 13–7 32 0-2
ISCJB VIII 15 06 18 32.8–.50 40.27N–.04 27.48E–.04 10–7 ¶11525386
CSEM VIII 15 06 18 32.9–.09 40.27N 27.51E 15 2.5
ISK VIII 15 06 18 32.5 40.28N 27.50E 16 2.5
DDA VIII 15 06 18 32.5 40.27N 27.53E 13–1 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=33.6.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=45.0.
ISC VIII 15 07 33 41.9–.34 39.57N–.02 29.28E–.02 5–4 85 1-2
ISK VIII 15 07 33 40.5 39.58N 29.23E 5 3.0 ¶11525387
ISCJB VIII 15 07 33 41.8–.29 39.59N–.02 29.27E–.02 10 3.0
CSEM VIII 15 07 33 41.6–.13 39.58N 29.28E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=159.3.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=48.0.
ISC VIII 15 10 04 56.5–.58 39.44N–.03 28.17E–.04 12–4 41 0-2
ISK VIII 15 10 04 55.8 39.43N 28.19E 13 2.2L ¶11525390
ISCJB VIII 15 10 04 56.1–.59 39.44N–.03 28.16E–.04 9–4 2.2L
CSEM VIII 15 10 04 56.2–.09 39.46N 28.17E 10 2.8
DDA VIII 15 10 04 56.2 39.48N 28.19E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.1km az=37.9.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=48.0.
ISC VIII 15 10 45 44.6–.65 38.32N–.04 37.10E–.04 4–9 23 0-2
ISK VIII 15 10 45 42.0 38.43N 37.07E 5 2.0L ¶11525392
CSEM VIII 15 10 45 43.3–.29 38.26N 37.08E 2 2.0L
DDA VIII 15 10 45 43.6 38.33N 37.06E 7–5 3.0
ISCJB VIII 15 10 45 44.1–.59 38.29N–.04 37.08E–.04 10 3.0
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 15 10 49 48.5–.65 39.43N–.03 33.07E–.04 2–5 43 0-2
ISCJB VIII 15 10 49 48.4–.73 39.43N–.03 33.06E–.04 4–5 ¶11525393
CSEM VIII 15 10 49 48.3–.19 39.43N 33.08E 2 2.8
DDA VIII 15 10 49 49.1 39.52N 33.10E 9–1 2.8
ISK VIII 15 10 49 50.2 39.41N 33.03E 24 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=27.6.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=128.0.
ISC VIII 15 11 11 12.3–.50 37.16N–.03 37.22E–.04 7–4 50 0-2
ISK VIII 15 11 11 10.1 37.12N 37.25E 5 2.9 ¶11525394
ISCJB VIII 15 11 11 11.8–.59 37.16N–.03 37.23E–.04 4–4 2.9
DDA VIII 15 11 11 11.9 37.16N 37.22E 7–4 2.9
CSEM VIII 15 11 11 12.6–.29 37.16N 37.22E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.5km az=142.9.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=6.1km az=143.0.
ISC VIII 15 11 28 01.3–.68 36.98N–.05 29.21E–.05 19–7 32 0-1
ISK VIII 15 11 27 57.2 37.54N 29.26E 12 2.7 ¶11525395
ISCJB VIII 15 11 28 00.8–.73 36.96N–.05 29.19E–.04 11–7 2.7
CSEM VIII 15 11 28 00.8–.37 36.98N 29.18E 15 2.8
DDA VIII 15 11 28 01.7 37.02N 29.20E 7–7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.0km az=172.6.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=6.9km az=5.0.
ISC VIII 15 14 20 06.5–.49 39.63N–.03 32.83E–.03 6–6 44 0-2
DDA VIII 15 14 20 03.7 39.49N 32.74E 6–1 2.8 ¶11525398
ISCJB VIII 15 14 20 05.9–.66 39.61N–.03 32.81E–.03 3–7 2.8
ISK VIII 15 14 20 05.5 39.62N 32.84E 9 2.9
CSEM VIII 15 14 20 05.7–.19 39.63N 32.83E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=15.2.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=9.0.
ISC VIII 15 16 08 06.6–.85 37.53N–.05 35.07E–.05 4–10 34 0-2
ISK VIII 15 16 08 05.0 37.52N 35.08E 5 2.5L ¶11525402
DDA VIII 15 16 08 05.8 37.52N 35.08E 7–3 2.9
ISCJB VIII 15 16 08 06.7–.53 37.50N–.03 35.09E–.04 10 2.9
CSEM VIII 15 16 08 06.2–.20 37.53N 35.06E 2 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.6km az=4.2.

CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=50.0.
ISC VIII 15 19 22 44.8–.68 36.98N–.04 29.25E–.05 10–9 29 0-1
ISK VIII 15 19 22 43.8 36.94N 29.24E 5 2.5 **¶11525405**
ISCJB VIII 15 19 22 44.2–.77 36.97N–.04 29.23E–.04 0–11 2.5
CSEM VIII 15 19 22 44.6–.16 36.99N 29.28E 12 2.5
DDA VIII 15 19 22 45.2 37.05N 29.23E 7–7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.0km az=173.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=27.0.
ISC VIII 15 21 21 23.7–.72 37.04N–.06 29.18E–.05 14–14 24 0-1
DDA VIII 15 21 21 21.8 36.98N 29.14E 7–3 2.8 **¶11525406**
ISK VIII 15 21 21 22.2 37.10N 29.20E 25 2.6
CSEM VIII 15 21 21 22.5–.53 37.03N 29.22E 25–11 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.9km s-min=7.3km az=31.0.
ISC VIII 15 23 05 21.1–.76 36.61N–.04 29.15E–.05 6–9 30 1-1
ISCJB VIII 15 23 05 20.5–.82 36.62N–.04 29.15E–.05 0–10 **¶11525408**
ISK VIII 15 23 05 20.8 36.67N 29.16E 3 2.7
DDA VIII 15 23 05 20.6 36.61N 29.20E 7–5 2.8
CSEM VIII 15 23 05 20.7–.26 36.60N 29.17E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.6km az=136.7.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=41.0.
ISC VIII 15 23 57 59.7–.50 37.02N–.03 29.21E–.04 12–6 39 0-2
ISK VIII 15 23 57 58.8 37.00N 29.21E 10 2.8 **¶11525409**
ISCJB VIII 15 23 57 59.1–.58 37.01N–.03 29.18E–.03 3–7 2.8
CSEM VIII 15 23 57 59.0–.22 36.99N 29.22E 10 2.8
DDA VIII 15 23 57 59.3 37.00N 29.11E 7–5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=19.9.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.8km az=9.0.
ISC VIII 16 02 38 05.0–.59 38.58N–.03 41.53E–.03 0–5 47 0-3
ISK VIII 16 02 38 03.9 38.61N 41.52E 5 3.0 **¶11525412**
DDA VIII 16 02 38 04.1 38.56N 41.52E 11–4 2.9
ISCJB VIII 16 02 38 05.3–.37 38.58N–.02 41.54E–.03 10 2.9
CSEM VIII 16 02 38 05.0–.17 38.57N 41.55E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=28.1.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=1.0.
ISC VIII 16 03 38 39.0–.38 39.56N–.02 27.64E–.03 12–3 74 0-2
ISCJB VIII 16 03 38 38.6–.53 39.56N–.03 27.64E–.03 8–4 **¶11525414**
CSEM VIII 16 03 38 38.7–.14 39.56N 27.64E 10 2.9
ISK VIII 16 03 38 38.3 39.56N 27.63E 9 2.9
DDA VIII 16 03 38 38.1 39.56N 27.66E 28–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=26.2.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=48.0.
ISC VIII 16 04 39 04.5–.71 36.82N–.04 29.24E–.04 3–6 51 0-3
ISK VIII 16 04 39 03.9 36.86N 29.23E 8 2.9 **¶11525415**
ISCJB VIII 16 04 39 04.1–.72 36.83N–.03 29.25E–.04 0–7 2.9
CSEM VIII 16 04 39 04.3–.22 36.84N 29.25E 5 2.9
DDA VIII 16 04 39 05.0 36.89N 29.26E 7–5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.3km az=43.5.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=7.0.
ISC VIII 16 05 05 42.0–1.3 37.33N–.08 38.80E–.08 24–5 24 0-2
ISK VIII 16 05 05 41.1 37.37N 38.60E 19 2.8 **¶11525417**
CSEM VIII 16 05 05 41.2–.24 37.34N 38.63E 22–1 2.8
DDA VIII 16 05 05 42.6 37.48N 39.06E 7–4 2.8
ISCJB VIII 16 05 05 43.2–1.1 37.41N–.07 38.93E–.10 20–8 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 16 05 29 13.8–.54 39.69N–.03 32.93E–.04 2–6 52 0-3
DDA VIII 16 05 29 11.9 39.57N 32.84E 7–4 3.0 **¶11525418**
ISCJB VIII 16 05 29 13.4–.64 39.67N–.03 32.91E–.04 2–6 3.0
ISK VIII 16 05 29 13.1 39.71N 32.90E 9 3.1
CSEM VIII 16 05 29 13.2–.22 39.68N 32.89E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=145.8.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=5.2km az=81.0.
ISC VIII 16 06 11 40.7–.53 39.46N–.03 33.05E–.04 8–4 56 0-3
DDA VIII 16 06 11 39.0 39.42N 33.03E 9–2 2.9 **¶11525420**
ISCJB VIII 16 06 11 40.3–.59 39.45N–.03 33.05E–.04 7–4 2.9
ISK VIII 16 06 11 40.5 39.50N 33.01E 15 3.1
CSEM VIII 16 06 11 40.2–.16 39.46N 33.04E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.1km az=137.8.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=125.0.
ISC VIII 16 07 43 26.9–.49 40.59N–.03 34.76E–.04 5–4 41 0-3
ISK VIII 16 07 43 25.9 40.58N 34.79E 5 3.0 **¶11525423**
ISCJB VIII 16 07 43 26.4–.50 40.59N–.03 34.77E–.05 6–4 3.0
DDA VIII 16 07 43 26.2 40.61N 34.73E 7–2 3.0
CSEM VIII 16 07 43 26.4–.21 40.60N 34.78E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.9km az=150.4.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=47.0.
ISC VIII 16 08 42 02.8–1.2 36.87N–.06 31.12E–.05 109–11 38 1-3
ISCJB VIII 16 08 42 02.3–1.2 36.87N–.06 31.12E–.05 109–11 **¶11525424**
CSEM VIII 16 08 42 02.5–.46 36.85N 31.12E 108–5 2.9
ISK VIII 16 08 42 02.8 36.94N 31.10E 104 2.9
DDA VIII 16 08 42 03.3 36.79N 31.05E 6–7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.3km az=6.7.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=178.0.
ISC VIII 16 09 22 41.1–.90 37.57N–.05 35.06E–.07 10 20 0-2
ISK VIII 16 09 22 39.4 37.57N 35.09E 5 1.4L **¶11525425**
ISCJB VIII 16 09 22 40.1–.92 37.60N–.05 35.06E–.07 10 1.4L
DDA VIII 16 09 22 40.3 37.56N 35.07E 7–4 2.8
CSEM VIII 16 09 22 41.0–.40 37.55N 35.07E 2 1.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.4km az=42.7.
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=6.1km az=138.0.
ISC VIII 16 10 01 08.2–.48 39.49N–.03 28.18E–.04 4–5 58 0-2
ISK VIII 16 10 01 06.8 39.48N 28.16E 5 2.9 **¶11525428**
ISCJB VIII 16 10 01 07.6–.52 39.49N–.03 28.19E–.04 0–5 2.9
DDA VIII 16 10 01 07.5 39.51N 28.20E 7–5 3.0
CSEM VIII 16 10 01 07.7–.14 39.47N 28.17E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=137.8.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=45.0.
ISC VIII 16 14 53 07.5–.76 38.61N–.04 31.08E–.04 9–6 32 0-1
ISCJB VIII 16 14 53 07.0–.81 38.60N–.04 31.10E–.04 3–8 **¶11525438**
ISK VIII 16 14 53 07.1 38.67N 31.07E 22 2.7
CSEM VIII 16 14 53 07.1–.30 38.60N 31.07E 10 2.4
DDA VIII 16 14 53 09.8 38.77N 30.90E 7–1 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.4km az=10.6.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.7km az=174.0.
ISC VIII 16 22 11 10.6–.79 36.95N–.04 29.12E–.04 2–12 29 0-1
ISK VIII 16 22 11 09.1 37.03N 29.12E 5 2.6 **¶11525441**
CSEM VIII 16 22 11 09.9–.40 36.95N 29.13E 5 2.8
ISCJB VIII 16 22 11 10.2–.77 36.94N–.04 29.13E–.04 10 2.8
DDA VIII 16 22 11 10.4 36.96N 29.16E 7–2 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=6.7km az=33.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.8km az=26.8.
ISC VIII 17 02 59 46.2–.62 36.98N–.05 29.18E–.04 6–7 31 0-2
ISCJB VIII 17 02 59 45.8–.73 36.96N–.05 29.18E–.04 5–8 **¶11525444**
ISK VIII 17 02 59 45.6 37.01N 29.19E 10 2.8
CSEM VIII 17 02 59 45.8–.18 36.98N 29.19E 5 2.8
DDA VIII 17 02 59 47.3 37.05N 29.12E 7–2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.2km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=16.0.
ISC VIII 17 05 56 03.9–.38 38.34N–.02 38.79E–.03 5–4 54 0-2
ISK VIII 17 05 56 02.6 38.33N 38.81E 9 3.1 **¶11525447**
ISCJB VIII 17 05 56 03.2–.47 38.33N–.02 38.80E–.03 1–5 3.1
CSEM VIII 17 05 56 03.3–.17 38.34N 38.82E 5 3.2
DDA VIII 17 05 56 03.2 38.32N 38.80E 7–2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=152.1.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=156.0.
ISC VIII 17 07 05 56.3–.42 37.89N–.02 27.51E–.04 1–5 62 0-2
DDA VIII 17 07 05 55.9 37.89N 27.51E 10–3 2.9 **¶11525450**
ISK VIII 17 07 05 55.4 37.88N 27.47E 6 3.2
ISCJB VIII 17 07 05 56.1–.35 37.87N–.02 27.50E–.04 10 3.2
CSEM VIII 17 07 05 56.0–.19 37.88N 27.50E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=164.3.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.3km az=78.0.
ISC VIII 17 07 13 11.3–.41 37.01N–.02 29.16E–.02 6–3 3.6b 129 0-40
IDC VIII 17 07 13 09.9–1.4 36.90N 29.16E 0 3.6,3.4L **¶11525451**
DDA VIII 17 07 13 10.0 37.00N 29.18E 20–4 3.4,3.4L
ISK VIII 17 07 13 10.4 37.01N 29.16E 11 3.5,3.4L
NEIC VIII 17 07 13 10.0 37.02N 29.16E 10 3.5,3.4L
CSEM VIII 17 07 13 10.4–.16 36.99N 29.14E 2 3.5,3.4L
ISCJB VIII 17 07 13 10.6–.48 37.02N–.02 29.16E–.02 6–4 3.6b,3.4L
ISC Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 17 07 30 30.0–.45 36.99N–.02 29.13E–.02 2–3 3.6b 152 0-40
DDA VIII 17 07 30 28.6 36.97N 29.16E 19–4 3.6 **¶11525452**
ISK VIII 17 07 30 28.8 37.04N 29.13E 3 3.5
IDC VIII 17 07 30 28.6–1.4 36.99N 29.12E 0 3.6L,3.6
ISCJB VIII 17 07 30 29.3–.54 36.99N–.02 29.12E–.02 2–4 3.6b,3.6
CSEM VIII 17 07 30 29.6–.15 36.99N 29.11E 2 3.5,3.6
NEIC VIII 17 07 30 29.0 37.02N 29.13E 10 3.6,3.6
THE VIII 17 07 30 30.3 36.89N 29.15E 2–2 2.9L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=21.9km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=172.2.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=12.0.
NEIC Event type se. After ISK.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.3km az=148.0.
ISC VIII 17 07 33 02.6–.59 37.00N–.04 29.21E–.04 11–5 42 0-2
DDA VIII 17 07 33 01.5 36.99N 29.20E 6–2 2.8 **¶11525453**
ISCJB VIII 17 07 33 02.3–.63 37.00N–.04 29.20E–.03 7–6 2.8
CSEM VIII 17 07 33 02.1–.22 37.02N 29.24E 12 2.8
ISK VIII 17 07 33 02.3 37.08N 29.20E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=8.9.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=12.0.
ISC VIII 17 07 48 40.0–.52 37.16N–.04 29.27E–.05 27–6 34 0-2
DDA VIII 17 07 48 37.2 36.96N 29.14E 7–3 3.0 **¶11525457**
CSEM VIII 17 07 48 39.6–.22 37.11N 29.21E 12 2.9
ISK VIII 17 07 48 39.3 37.10N 29.20E 12 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=7.0.
ISC VIII 17 09 56 56.7–.46 40.57N–.02 34.81E–.04 10–7 52 0-3
ISCJB VIII 17 09 56 56.0–.48 40.56N–.02 34.79E–.04 1–8 **¶11525466**
DDA VIII 17 09 56 55.8 40.56N 34.81E 13–2 3.1
ISK VIII 17 09 56 56.0 40.57N 34.83E 5 3.2
CSEM VIII 17 09 56 56.8–.09 40.56N 34.81E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=151.0.
ISC VIII 17 11 10 49.3–.51 37.02N–.03 29.14E–.03 2–5 64 0-4
DDA VIII 17 11 10 47.6 36.97N 29.22E 7–6 3.2 **¶11525468**
ISK VIII 17 11 10 47.7 37.03N 29.15E 5 3.1
CSEM VIII 17 11 10 48.9–.22 37.05N 29.13E 2 3.1
ISCJB VIII 17 11 10 49.5–.40 37.04N–.03 29.18E–.03 10 3.1
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 17 12 40 31.1–.53 40.58N–.03 34.79E–.04 3–5 44 0-3
ISCJB VIII 17 12 40 30.7–.54 40.58N–.03 34.80E–.05 6–4 **¶11525470**
CSEM VIII 17 12 40 30.7–.10 40.57N 34.80E 2 3.2
DDA VIII 17 12 40 30.2 40.55N 34.79E 7–2 3.2
ISK VIII 17 12 40 30.3 40.58N 34.79E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.7km az=167.6.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=69.0.
ISC VIII 17 16 34 16.8–1.1 39.40N–.05 33.06E–.05 1–9 30 0-2
DDA VIII 17 16 34 16.8 39.43N 33.11E 4–2 2.8 **¶11525473**
CSEM VIII 17 16 34 16.7–.24 39.40N 33.09E 2 2.8
ISCJB VIII 17 16 34 17.6–.58 39.44N–.04 33.06E–.05 10 2.8
ISK VIII 17 16 34 17.1 39.48N 33.07E 11 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.6km az=144.8.
ISC VIII 17 18 13 05.4–.47 37.12N–.03 29.13E–.03 4–5 66 0-5
DDA VIII 17 18 13 02.5 36.91N 29.20E 6–4 3.0 **¶11525474**
ISCJB VIII 17 18 13 04.9–.46 37.10N–.03 29.14E–.03 4–5 3.0
ISK VIII 17 18 13 04.4 37.11N 29.13E 8 3.1
CSEM VIII 17 18 13 04.8–.18 37.08N 29.13E 8 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=7.5.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=8.0.
ISC VIII 17 18 40 00.2–.35 38.84N–.02 27.19E–.02 4–4 89 0-2
THE VIII 17 18 39 58.8 38.81N 27.24E 0–1 2.3L **¶11525475**
ISCJB VIII 17 18 39 59.7–.43 38.85N–.02 27.18E–.02 2–4 2.3L
DDA VIII 17 18 39 59.5 38.85N 27.18E 7–3 2.9
ISK VIII 17 18 39 59.2 38.86N 27.21E 2 2.9
CSEM VIII 17 18 39 59.8–.16 38.86N 27.18E 2 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.0km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=23.7.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=108.0.
ISC VIII 17 20 40 32.9–.47 37.05N–.03 29.16E–.03 9–5 53 0-3
DDA VIII 17 20 40 30.6 36.99N 29.13E 7–6 3.0 **¶11525478**
ISCJB VIII 17 20 40 32.3–.50 37.04N–.03 29.16E–.03 5–5 3.0
ISK VIII 17 20 40 32.5 37.08N 29.17E 9 3.0
CSEM VIII 17 20 40 32.8–.21 37.07N 29.16E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=9.3.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=7.0.
ISC VIII 17 22 11 21.5–.62 37.02N–.04 29.13E–.04 8–16 34 0-1
DDA VIII 17 22 11 20.9 37.01N 29.18E 7–4 3.0 **¶11525481**
ISK VIII 17 22 11 20.5 37.09N 29.13E 8 2.7
ISCJB VIII 17 22 11 21.4–.56 37.05N–.03 29.15E–.04 10 2.7
CSEM VIII 17 22 11 21.1–.11 36.99N 29.12E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=42.1.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=23.0.
ISC VIII 17 22 44 07.7–.53 40.03N–.07 40.69E–.03 8–7 29 0-2
ISCJB VIII 17 22 44 07.0–.57 39.98N–.06 40.66E–.03 10 **¶11525483**
DDA VIII 17 22 44 06.8 39.97N 40.70E 6–6 2.8
ISK VIII 17 22 44 06.7 40.11N 40.70E 5 2.9
CSEM VIII 17 22 44 08.2–.23 40.08N 40.61E 12 2.8
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=3.4km az=4.8.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.6km az=176.0.
ISC VIII 17 23 40 45.4–.53 37.10N–.03 29.71E–.05 7–6 35 0-2
ISK VIII 17 23 40 41.7 37.00N 29.50E 29 2.6 **¶11525486**
ISCJB VIII 17 23 40 45.2–.53 37.09N–.03 29.70E–.05 3–8 2.6
DDA VIII 17 23 40 45.1 37.10N 29.70E 7–4 3.0
CSEM VIII 17 23 40 45.0–.27 37.09N 29.72E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.0km az=142.2.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.8km az=52.0.
ISC VIII 18 00 13 22.5–.48 39.43N–.02 39.13E–.05 6–5 50 0-2
ISCJB VIII 18 00 13 21.8–.55 39.42N–.02 39.13E–.04 0–6 **¶11525487**
CSEM VIII 18 00 13 21.9–.19 39.42N 39.12E 2 3.1
ISK VIII 18 00 13 21.2 39.40N 39.14E 2 3.1
DDA VIII 18 00 13 21.4 39.45N 39.13E 7–5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=10.5.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=104.0.
ISC VIII 18 01 52 06.3–1.3 37.36N–.07 38.80E–.07 3–11 26 0-2
CSEM VIII 18 01 52 04.8–.78 37.30N 38.82E 1–6 2.8 **¶11525490**
ISCJB VIII 18 01 52 05.6–1.2 37.34N–.06 38.80E–.07 10 2.8
ISK VIII 18 01 52 05.3 37.36N 38.78E 5 2.8
DDA VIII 18 01 52 06.0 37.33N 38.76E 7–5 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=6.7km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.3km az=141.1.
ISC VIII 18 02 40 45.2–.44 37.08N–.03 29.13E–.02 0–4 109 0-4
DDA VIII 18 02 40 43.8 37.02N 29.19E 22–2 3.5 **¶11525493**
CSEM VIII 18 02 40 44.5–.17 37.04N 29.14E 2 3.4
ISK VIII 18 02 40 44.3 37.05N 29.14E 6 3.4
ISCJB VIII 18 02 40 45.3–.34 37.08N–.03 29.14E–.02 10 3.4
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 18 03 42 33.7–.39 37.00N–.02 29.13E–.02 2–3 3.7b 232 0-34
ISCJB VIII 18 03 42 32.9–.38 36.97N–.02 29.14E–.02 5–3 3.7b **¶11525494**
DDA VIII 18 03 42 32.5 37.00N 29.17E 7–1 3.5
NEIC VIII 18 03 42 33.0 37.07N 29.12E 9 3.6
ISK VIII 18 03 42 33.2 37.06N 29.12E 7 3.7
IDC VIII 18 03 42 33.0–1.1 36.90N 29.15E 0 3.9,3.9b
CSEM VIII 18 03 42 33.3–.11 36.99N 29.11E 2 3.7,3.9b
THE VIII 18 03 42 35.9 37.08N 29.16E 3–8 2.8L,3.9b
HLW VIII 18 03 42 38.4 36.80N 29.21E 34–38 3.5L,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=10.9.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=21.3km s-min=17.1km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=25.0.
THE Event type ke. Error ellipse: s-maj=12.8km s-min=1.9km az=93.0.
ISC VIII 18 03 53 52.2–.52 37.03N–.03 29.15E–.03 9–6 53 0-3
DDA VIII 18 03 53 50.6 36.94N 29.22E 6–4 3.1 **¶11525495**
ISCJB VIII 18 03 53 51.5–.58 37.01N–.03 29.14E–.04 2–7 3.1
ISK VIII 18 03 53 51.2 37.07N 29.15E 9 3.0
CSEM VIII 18 03 53 51.8–.14 37.07N 29.15E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.7km az=16.9.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=9.0.
ISC VIII 18 04 03 05.6–.57 37.05N–.03 29.17E–.04 9–6 34 0-1
ISCJB VIII 18 04 03 05.0–.62 37.04N–.03 29.16E–.04 3–7 **¶11525497**
DDA VIII 18 04 03 04.6 37.06N 29.18E 7–6 2.8
ISK VIII 18 04 03 04.8 37.04N 29.16E 8 2.8
CSEM VIII 18 04 03 04.9–.27 37.06N 29.16E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.0km az=160.9.
CSEM Event type ke.
ISC VIII 18 05 36 45.0–.45 37.03N–.03 29.17E–.03 14–4 55 0-2
ISCJB VIII 18 05 36 44.6–.44 37.03N–.03 29.17E–.03 13–4 **¶11525499**
CSEM VIII 18 05 36 44.3–.11 37.02N 29.17E 15 2.9
DDA VIII 18 05 36 44.1 37.04N 29.12E 7–7 2.9
ISK VIII 18 05 36 44.0 37.04N 29.16E 16 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.5km az=161.9.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=179.0.
ISC VIII 18 06 38 41.6–.57 37.99N–.03 30.90E–.03 4–4 61 1-3
DDA VIII 18 06 38 39.3 38.03N 31.03E 8–4 2.9 **¶11525500**
ISK VIII 18 06 38 40.0 37.97N 30.92E 2 3.1
CSEM VIII 18 06 38 40.7–.16 37.99N 30.93E 2 3.1
ISCJB VIII 18 06 38 41.6–.37 37.97N–.02 30.94E–.03 10 3.1
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 18 09 32 32.0–.59 39.90N–.04 32.37E–.04 10–6 34 0-2
ISCJB VIII 18 09 32 31.4–.60 39.90N–.04 32.36E–.04 8–7 **¶11525501**
DDA VIII 18 09 32 32.0 39.93N 32.36E 10–3 2.8
ISK VIII 18 09 32 31.2 39.92N 32.38E 16 3.0
CSEM VIII 18 09 32 31.6–.14 39.91N 32.42E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.3km az=19.2.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=166.0.
ISC VIII 18 09 36 28.9–.59 36.97N–.04 29.24E–.04 7–6 50 0-2
ISCJB VIII 18 09 36 28.7–.57 36.99N–.03 29.21E–.03 0–7 **¶11525502**
CSEM VIII 18 09 36 28.4–.28 36.98N 29.26E 8 3.0
ISK VIII 18 09 36 28.7 37.09N 29.21E 10 2.8
DDA VIII 18 09 36 28.2 36.97N 29.25E 7–5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=164.9.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.9km az=2.0.
ISC VIII 18 09 36 31.8–.46 39.44N–.03 28.13E–.04 16–4 51 0-2
ISK VIII 18 09 36 30.7 39.44N 28.08E 12 2.8 **¶11525503**
ISCJB VIII 18 09 36 31.2–.45 39.45N–.03 28.12E–.04 13–5 2.8
DDA VIII 18 09 36 31.8 39.44N 28.15E 14–5 3.0
CSEM VIII 18 09 36 31.4–.18 39.45N 28.14E 15 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=26.6.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=98.0.
ISC VIII 18 10 07 56.5–.59 38.57N–.04 30.71E–.03 6–7 33 0-2
ISCJB VIII 18 10 07 55.8–.61 38.56N–.04 30.70E–.03 3–7 **¶11525504**
DDA VIII 18 10 07 56.2 38.60N 30.70E 7–5 2.9
ISK VIII 18 10 07 56.0 38.57N 30.70E 9 2.9
CSEM VIII 18 10 07 56.1–.27 38.58N 30.70E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=171.4.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=5.0km az=6.0.
ISC VIII 18 10 17 05.8–.91 37.41N–.07 34.90E–.06 11–6 29 0-2
ISCJB VIII 18 10 17 05.4–.88 37.42N–.07 34.91E–.05 11–6 **¶11525506**
CSEM VIII 18 10 17 05.4–.17 37.42N 34.86E 8 2.4L
ISK VIII 18 10 17 05.1 37.40N 34.89E 12 2.4L
DDA VIII 18 10 17 06.0 37.31N 34.95E 7–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=6.1km az=158.2.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.8km az=9.0.
ISC VIII 18 11 24 58.6–.54 37.05N–.04 29.34E–.06 27–6 33 0-3
DDA VIII 18 11 24 56.8 36.95N 29.26E 7–4 2.9 **¶11525509**
ISK VIII 18 11 24 57.4 37.03N 29.31E 23 2.9
CSEM VIII 18 11 24 57.5–.26 37.01N 29.30E 20 2.9
ISCJB VIII 18 11 24 58.4–.53 37.06N–.04 29.37E–.05 33–5 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 18 14 02 04.3–.66 37.48N–.08 35.06E–.05 13–11 28 0-2
ISK VIII 18 14 02 01.3 37.56N 35.04E 5 1.7L **¶11525510**
DDA VIII 18 14 02 03.0 37.51N 35.09E 7–4 2.8
CSEM VIII 18 14 02 03.6–.21 37.50N 35.05E 10 1.7L
ISCJB VIII 18 14 02 04.3–.56 37.44N–.06 35.06E–.05 21–9 1.7L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 18 14 07 03.7–.52 36.99N–.03 29.22E–.03 7–4 67 0-3
ISK VIII 18 14 07 02.0 37.01N 29.19E 2 3.2 **¶11525511**
DDA VIII 18 14 07 02.4 36.95N 29.23E 7–4 3.4
ISCJB VIII 18 14 07 03.1–.55 36.98N–.03 29.22E–.03 3–4 3.4
CSEM VIII 18 14 07 03.2–.22 37.01N 29.23E 5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=11.4.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=5.0.
ISC VIII 18 15 24 27.4–.68 39.87N–.03 32.97E–.04 0–6 38 0-2
ISK VIII 18 15 24 25.9 39.85N 33.00E 5 2.9 **¶11525515**
DDA VIII 18 15 24 26.9 39.86N 33.06E 7–2 2.8
CSEM VIII 18 15 24 26.8–.12 39.86N 33.01E 5 2.9
ISCJB VIII 18 15 24 27.5–.52 39.87N–.03 32.96E–.04 10 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
DDA VIII 18 15 38 45.5 38.17N 38.00E 7–2 2.8 ¶13827537
ISC VIII 18 16 27 33.8–.43 36.98N–.03 35.60E–.03 19–3 61 0-3
DDA VIII 18 16 27 32.8 36.96N 35.56E 32–2 3.1 **¶11525521**
ISCJB VIII 18 16 27 33.8–.37 36.99N–.03 35.60E–.03 23–4 3.1
CSEM VIII 18 16 27 33.7–.15 36.96N 35.58E 20 3.1
ISK VIII 18 16 27 33.1 37.00N 35.58E 21 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=9.7.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=28.0.
ISC VIII 18 17 40 37.9–.62 36.96N–.04 29.15E–.04 10–6 34 0-2
ISCJB VIII 18 17 40 37.3–.65 36.96N–.04 29.14E–.04 4–8 **¶11525523**
DDA VIII 18 17 40 37.1 36.97N 29.16E 7–2 2.8
ISK VIII 18 17 40 37.5 37.05N 29.17E 16 2.8
CSEM VIII 18 17 40 37.5–.11 36.94N 29.19E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.3km az=7.3.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=171.0.
ISC VIII 18 22 16 37.7–.46 37.40N–.03 35.89E–.03 11–4 60 0-3
ISCJB VIII 18 22 16 36.9–.47 37.41N–.03 35.90E–.03 8–4 **¶11525524**
ISK VIII 18 22 16 36.5 37.46N 35.90E 6 3.3
CSEM VIII 18 22 16 37.4–.17 37.40N 35.91E 12 3.2
DDA VIII 18 22 16 37.4 37.46N 35.89E 21–0 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=176.9.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=162.0.
ISC VIII 19 03 46 21.1–.46 37.10N–.03 28.34E–.03 9–5 46 0-2
ISCJB VIII 19 03 46 20.7–.45 37.10N–.03 28.33E–.03 9–5 **¶11525526**
CSEM VIII 19 03 46 20.7–.20 37.10N 28.34E 8 3.1
ISK VIII 19 03 46 20.6 37.12N 28.33E 8 3.1
DDA VIII 19 03 46 20.5 37.08N 28.32E 7–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.7km az=0.8.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.0km az=170.0.
ISC VIII 19 03 56 34.9–.47 36.99N–.02 29.24E–.03 4–5 77 0-5
DDA VIII 19 03 56 33.9 36.97N 29.25E 7–3 3.3 **¶11525527**
ISCJB VIII 19 03 56 34.1–.59 36.97N–.02 29.22E–.03 0–7 3.3
CSEM VIII 19 03 56 34.2–.16 36.97N 29.26E 5 3.2
ISK VIII 19 03 56 34.0 37.00N 29.23E 6 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=21.1.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=3.0.
ISC VIII 19 05 23 04.1–.49 37.92N–.02 37.96E–.04 6–6 45 0-2
ISK VIII 19 05 23 02.8 37.96N 37.93E 7 2.9 **¶11525530**
ISCJB VIII 19 05 23 03.8–.43 37.93N–.02 37.99E–.04 10 2.9
DDA VIII 19 05 23 03.5 37.91N 37.98E 7–2 2.7
CSEM VIII 19 05 23 03.7–.17 37.93N 37.98E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=26.6.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=125.0.
ISC VIII 19 09 50 08.3–.51 37.63N–.03 43.76E–.03 7–4 63 0-6
ISK VIII 19 09 50 04.3 37.68N 43.90E 5 4.0L **¶11525534**
DDA VIII 19 09 50 06.0 37.68N 43.68E 7–3 3.9
CSEM VIII 19 09 50 06.4–.28 37.69N 43.87E 2 3.6L
ISCJB VIII 19 09 50 07.4–.48 37.62N–.03 43.81E–.03 11–4 3.6L
TEH VIII 19 09 50 07.7 37.66N 43.59E 34 3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=6.9km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=155.2.
DDA VIII 19 11 17 43.3 37.19N 37.17E 7–4 2.7
CSEM VIII 19 11 17 43.3 37.19N 37.17E 7 2.7 **¶13827594**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VIII 19 12 57 14.6–.45 37.01N–.02 29.17E–.03 9–4 84 0-4
DDA VIII 19 12 57 13.2 36.98N 29.18E 7–5 3.1 **¶11525538**
ISCJB VIII 19 12 57 13.9–.46 37.00N–.02 29.17E–.03 6–4 3.1
CSEM VIII 19 12 57 14.1–.17 37.02N 29.18E 5 3.0
NEIC VIII 19 12 57 14.0 37.06N 29.20E 7 3.5,3.1
ISK VIII 19 12 57 14.0 37.05N 29.19E 7 3.0,3.1
ATH VIII 19 12 57 15.9 36.91N 29.16E 27–2 3.5,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.8km az=169.6.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=166.0.
NEIC Event type se. After ISK.
ATH Error ellipse: s-maj=1.7km s-min=2.4km az=-1.0.
ISC VIII 19 13 06 00.6–.58 39.88N–.04 32.37E–.04 4–6 41 0-3
ISK VIII 19 13 05 59.8 39.88N 32.38E 6 3.1 **¶11525539**
ISCJB VIII 19 13 06 00.1–.61 39.87N–.03 32.35E–.03 3–6 3.1
CSEM VIII 19 13 06 00.1–.18 39.89N 32.36E 2 3.1
DDA VIII 19 13 06 00.2 39.83N 32.38E 7–6 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=179.3.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=163.0.
ISC VIII 19 15 49 21.7–.43 36.97N–.03 29.13E–.03 7–4 74 0-3
ISCJB VIII 19 15 49 21.1–.45 36.96N–.03 29.13E–.03 5–4 **¶11525544**
DDA VIII 19 15 49 21.1 36.98N 29.10E 11–6 2.9
ISK VIII 19 15 49 21.4 37.04N 29.15E 13 3.1
CSEM VIII 19 15 49 21.3–.20 37.00N 29.13E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=9.0.
ISC VIII 19 16 10 07.1–1.3 39.19N–.08 39.87E–.05 10 20 0-2
DDA VIII 19 16 10 04.2 39.08N 40.09E 7–3 2.8 **¶13827599**
ISCJB VIII 19 16 10 06.5–1.2 39.18N–.08 39.87E–.04 10 2.8
CSEM VIII 19 16 10 06.8–.65 39.09N 39.90E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.6km az=8.9.
CSEM Event type ke. Error ellipse: s-maj=20.0km s-min=7.6km az=5.0.
ISC VIII 19 18 15 56.6–.54 38.95N–.03 42.42E–.04 12–6 29 0-3
ISCJB VIII 19 18 15 55.7–.55 38.95N–.03 42.40E–.04 7–6 **¶11525546**
DDA VIII 19 18 15 56.1 38.98N 42.38E 8–4 2.8
ISK VIII 19 18 15 56.0 38.99N 42.36E 6 3.0
CSEM VIII 19 18 15 56.2–.30 39.00N 42.30E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.6km az=11.3.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=7.0km az=110.0.
ISC VIII 20 10 34 16.7–.74 38.42N–.03 39.00E–.03 16–8 36 0-1
ISK VIII 20 10 34 15.6 38.41N 39.01E 19 2.7 **¶11525554**
ISCJB VIII 20 10 34 16.4–.46 38.40N–.03 38.99E–.03 10 2.7
DDA VIII 20 10 34 16.7 38.42N 38.98E 14–1 2.7

CSEM VIII 20 10 34 16.6–.17 38.43N 39.00E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=163.4.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=166.0.
ISC VIII 20 11 01 39.2–.34 37.67N–.01 37.50E–.02 2–2 4.1b,3.1s 372 0-50
NSSC VIII 20 11 01 37 37.98N 37.51E 29–17 4.1b,3.1s ¶11525555
MOS VIII 20 11 01 37.6–.73 37.67N 37.49E 10 4.5b,3.1s
ISCJB VIII 20 11 01 38.4–.35 37.67N–.01 37.50E–.02 6–2 4.1b,3.1s
DDA VIII 20 11 01 38.4 37.71N 37.46E 15–1 4.2L,3.1s
NEIC VIII 20 11 01 38.0 37.71N 37.46E 5 4.4b,4.3L
ISK VIII 20 11 01 38.1 37.69N 37.49E 3 4.4L,4.3L
IDC VIII 20 11 01 39.1–.98 37.65N 37.35E 0 3.7,3.7b
CSEM VIII 20 11 01 39.1–.10 37.69N 37.51E 2 4.4b,3.7b
GII VIII 20 11 01 39.1–1.6 37.72N 37.47E 1–23 4.3b,4.2
ISC Event type fe.
NSSC Event type fe.
MOS Error ellipse: s-maj=12.4km s-min=8.7km az=134.3.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=24.6.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=16.1km s-min=13.0km az=92.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=106.0.
GII Event type ke.
ISC VIII 20 11 16 46.1–.50 37.70N–.04 37.46E–.03 7–8 39 0-2
ISCJB VIII 20 11 16 45.5–.56 37.71N–.04 37.46E–.03 2–9 ¶11525556
ISK VIII 20 11 16 45.2 37.63N 37.48E 8 2.9
CSEM VIII 20 11 16 45.6–.21 37.63N 37.47E 10 2.9
DDA VIII 20 11 16 46.2 37.71N 37.48E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=165.1.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.7km az=167.0.
ISC VIII 20 11 50 53.8–.56 37.72N–.03 37.44E–.04 0–10 29 0-2
ISCJB VIII 20 11 50 53.3–.50 37.72N–.03 37.44E–.04 10 ¶11525557
DDA VIII 20 11 50 53.4 37.75N 37.51E 7–5 2.8
ISK VIII 20 11 50 53.2 37.69N 37.44E 5 2.9
CSEM VIII 20 11 50 53.8–.28 37.74N 37.43E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=40.3.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.3km az=147.0.
ISC VIII 20 19 46 53.3–.50 36.98N–.03 29.20E–.03 9–4 56 0-3
ISCJB VIII 20 19 46 52.6–.53 36.98N–.03 29.21E–.03 4–5 ¶11525560
DDA VIII 20 19 46 52.8 37.00N 29.22E 7–2 2.9
ISK VIII 20 19 46 52.6 37.00N 29.20E 9 3.0
CSEM VIII 20 19 46 52.8–.17 36.99N 29.21E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=27.1.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=16.0.
ISC VIII 20 20 17 55.3–.43 37.77N–.03 27.59E–.04 10–7 46 0-2
ISCJB VIII 20 20 17 54.7–.42 37.77N–.03 27.59E–.04 8–8 ¶11525561
ISK VIII 20 20 17 54.4 37.75N 27.55E 10 3.1
DDA VIII 20 20 17 55.1 37.76N 27.61E 7–2 2.8
CSEM VIII 20 20 17 55.0–.10 37.76N 27.57E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=148.1.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=78.0.
ISC VIII 20 20 23 20.9–.57 37.72N–.03 37.44E–.04 7–10 25 0-2
ISCJB VIII 20 20 23 20.3–.58 37.73N–.03 37.43E–.04 3–12 ¶11525562
DDA VIII 20 20 23 20.4 37.69N 37.47E 7–2 3.0
CSEM VIII 20 20 23 21.2–.28 37.79N 37.37E 10 2.8
ISK VIII 20 20 23 21.0 37.73N 37.39E 13 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.9km az=36.6.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.6km az=139.0.
ISC VIII 20 23 45 16.6–.78 36.98N–.04 29.17E–.06 5–9 26 0-2
DDA VIII 20 23 45 14.9 36.96N 29.15E 6–3 3.1 ¶11525564
ISCJB VIII 20 23 45 16.8–.60 37.01N–.03 29.18E–.05 10 3.1
CSEM VIII 20 23 45 16.3–.19 36.95N 29.22E 8 2.8
ISK VIII 20 23 45 16.6 37.01N 29.20E 11 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=143.1.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=24.0.
ISC VIII 21 02 43 55.5–.43 37.02N–.03 29.18E–.03 9–4 71 0-4
ISCJB VIII 21 02 43 54.9–.45 37.01N–.03 29.17E–.03 6–5 ¶11525567
DDA VIII 21 02 43 54.0 36.96N 29.15E 7–2 2.7
ISK VIII 21 02 43 54.6 37.02N 29.17E 10 3.2
CSEM VIII 21 02 43 54.4–.16 36.97N 29.17E 5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=15.1.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=5.0.
ISC VIII 21 09 05 05.7–.60 37.75N–.05 27.20E–.05 14–6 26 0-2
DDA VIII 21 09 05 04.8 37.80N 27.20E 14–3 2.7 ¶13392248
ISCJB VIII 21 09 05 05.3–.63 37.73N–.05 27.19E–.04 14–6 2.7
CSEM VIII 21 09 05 05.6–.28 37.71N 27.20E 20–0 2.7
ATH VIII 21 09 05 05.3 37.54N 26.95E 31–0 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.1km az=23.3.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=6.4km az=39.0.
ATH Error ellipse: s-maj=2.4km s-min=1.7km az=-1.0.
ISC VIII 21 13 02 40.2–.45 37.72N–.03 37.46E–.04 5–7 43 0-3
ISCJB VIII 21 13 02 39.4–.48 37.72N–.03 37.45E–.04 1–8 ¶11525575
DDA VIII 21 13 02 39.5 37.70N 37.47E 12–2 2.8
ISK VIII 21 13 02 39.6 37.73N 37.44E 5 2.9
CSEM VIII 21 13 02 40.1–.15 37.74N 37.42E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.5km az=39.5.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.6km az=133.0.
ISC VIII 21 14 21 42.4–.69 40.76N–.07 37.69E–.05 6–7 32 0-2
ISCJB VIII 21 14 21 41.7–.71 40.79N–.06 37.67E–.04 5–8 ¶11525578
DDA VIII 21 14 21 41.7 40.78N 37.74E 7–6 2.8
CSEM VIII 21 14 21 42.5–.26 40.72N 37.67E 10 2.6
ISK VIII 21 14 21 42.0 40.71N 37.68E 13 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=4.4km az=158.8.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=3.6km az=162.0.
ISC VIII 21 21 07 01.5–.44 37.72N–.03 37.48E–.03 5–6 42 0-2
ISCJB VIII 21 21 07 00.8–.46 37.72N–.03 37.48E–.03 1–7 ¶11525582
ISK VIII 21 21 07 00.9 37.71N 37.49E 7 2.9
DDA VIII 21 21 07 01.0 37.71N 37.47E 10–2 3.0
CSEM VIII 21 21 07 01.3–.14 37.72N 37.48E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=138.1.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=141.0.
ISC VIII 21 23 12 01.2–.56 39.77N–.03 38.91E–.04 4–12 28 0-1
ISCJB VIII 21 23 12 00.7–.66 39.77N–.03 38.91E–.06 1–12 ¶11525586
DDA VIII 21 23 12 00.6 39.77N 38.91E 7–2 2.9
ISK VIII 21 23 12 00.5 39.76N 38.92E 6 2.8
CSEM VIII 21 23 12 00.8–.13 39.77N 38.93E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.9km az=24.7.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=126.0.
ISC VIII 22 02 34 08.8–.64 38.55N–.03 41.72E–.04 5–6 32 0-2
DDA VIII 22 02 34 07.5 38.56N 41.73E 4–6 2.9 ¶11525591
ISCJB VIII 22 02 34 08.5–.65 38.55N–.03 41.72E–.04 4–6 2.9
CSEM VIII 22 02 34 08.9–.26 38.57N 41.71E 2 2.9
ISK VIII 22 02 34 10.1 38.59N 41.65E 12 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.8km az=15.8.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=8.0.
ISC VIII 22 03 51 49.7–.59 38.54N–.03 41.69E–.03 6–6 37 0-3
ISCJB VIII 22 03 51 48.9–.64 38.53N–.03 41.70E–.03 1–7 ¶11525592
DDA VIII 22 03 51 48.5 38.55N 41.65E 17–3 3.1
CSEM VIII 22 03 51 49.6–.10 38.55N 41.70E 2 3.1

ISK VIII 22 03 51 49.7 38.51N 41.66E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=24.1.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=17.0.
ISC VIII 22 06 13 05.0–.35 39.80N–.02 28.67E–.02 6–3 127 0-3
ISCJB VIII 22 06 13 04.3–.38 39.80N–.02 28.68E–.02 1–4 ¶11525593
DDA VIII 22 06 13 04.1 39.77N 28.70E 16–2 3.2,3.2L
ISK VIII 22 06 13 04.8 39.84N 28.63E 9 3.1,3.2L
CSEM VIII 22 06 13 04.8–.09 39.80N 28.66E 5 3.2L,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=37.4.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=134.0.
ISC VIII 22 06 55 31.0–.49 36.99N–.03 29.19E–.03 7–5 52 0-3
ISK VIII 22 06 55 29.6 37.02N 29.16E 6 3.0 ¶11525594
ISCJB VIII 22 06 55 30.7–.43 36.98N–.03 29.19E–.03 10 3.0
CSEM VIII 22 06 55 30.6–.22 36.99N 29.19E 8 3.0
DDA VIII 22 06 55 30.9 37.01N 29.22E 7–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=14.2.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=11.0.
ISC VIII 22 10 02 13.5–.51 38.73N–.03 29.31E–.04 4–8 34 0-2
ISK VIII 22 10 02 12.6 38.73N 29.29E 6 2.7 ¶11525595
DDA VIII 22 10 02 12.6 38.75N 29.34E 7–1 2.8
ISCJB VIII 22 10 02 13.1–.48 38.72N–.03 29.30E–.04 10 2.8
CSEM VIII 22 10 02 13.2–.13 38.73N 29.30E 0–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.8km az=15.9.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=46.0.
ISC VIII 22 12 23 26.8–.48 37.95N–.02 27.09E–.05 20–5 44 0-2
ISCJB VIII 22 12 23 27.0–.57 37.94N–.03 27.05E–.07 23–6 ¶11525598
ISK VIII 22 12 23 26.6 37.96N 27.24E 8 2.7
CSEM VIII 22 12 23 26.6–.09 37.94N 27.11E 15 2.8
DDA VIII 22 12 23 27.3 37.93N 27.06E 7–6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.1km az=158.7.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.5km az=67.0.
ISC VIII 22 12 25 14.7–.73 38.93N–.03 38.33E–.08 26–10 26 0-1
ISK VIII 22 12 25 13.1 38.95N 38.31E 8 2.8 ¶11525599
ISCJB VIII 22 12 25 14.6–.76 38.94N–.04 38.33E–.08 28–9 2.8
DDA VIII 22 12 25 14.9 38.92N 38.31E 7–4 2.9
CSEM VIII 22 12 25 14.1–.29 38.92N 38.33E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.9km az=7.2.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.5km az=93.0.
ISC VIII 22 15 46 22.9–.69 40.04N–.04 28.07E–.05 16–8 20 0-1
ISCJB VIII 22 15 46 22.3–.69 40.03N–.04 28.09E–.05 14–9 ¶11525601
CSEM VIII 22 15 46 22.8–.25 40.03N 28.06E 15 2.5
DDA VIII 22 15 46 23.0 40.01N 28.05E 7–2 2.8
ISK VIII 22 15 46 22.3 40.06N 28.09E 14 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.9km az=161.2.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=5.2km az=159.0.
ISC VIII 22 19 05 54.1–.46 37.73N–.03 37.45E–.03 3–7 44 0-2
ISCJB VIII 22 19 05 53.6–.41 37.73N–.03 37.44E–.03 10 ¶11525606
DDA VIII 22 19 05 53.7 37.70N 37.46E 8–3 2.9
ISK VIII 22 19 05 53.6 37.79N 37.42E 7 3.2
CSEM VIII 22 19 05 54.1–.14 37.75N 37.44E 4–2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=148.0.
ISC VIII 23 00 36 20.3–.45 39.00N–.02 41.17E–.03 1–4 60 0-3
ISK VIII 23 00 36 18.8 38.99N 41.14E 5 3.5 ¶11525607
CSEM VIII 23 00 36 19.9–.19 39.00N 41.16E 2 3.5
DDA VIII 23 00 36 19.4 39.01N 41.16E 11–2 3.2
ISCJB VIII 23 00 36 20.3–.33 39.00N–.02 41.18E–.03 10 3.2
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 23 11 57 52.9–.63 39.49N–.05 28.09E–.06 27–5 33 0-1
ISK VIII 23 11 57 51.1 39.57N 28.31E 14 2.2L ¶11525612
ISCJB VIII 23 11 57 52.8–.64 39.49N–.05 28.09E–.06 28–5 2.2L
DDA VIII 23 11 57 52.5 39.51N 28.15E 7–3 2.8
CSEM VIII 23 11 57 52.4–.20 39.51N 28.05E 30 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.3km az=39.8.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=39.0.
ISC VIII 23 12 05 38.2–.51 39.60N–.03 30.51E–.04 5–7 38 0-2
ISK VIII 23 12 05 36.7 39.59N 30.51E 20 2.9 ¶11525613
ISCJB VIII 23 12 05 37.3–.52 39.58N–.03 30.55E–.04 10 2.9
CSEM VIII 23 12 05 37.3–.23 39.59N 30.56E 12 2.8
DDA VIII 23 12 05 38.0 39.61N 30.48E 5–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=4.2km az=43.7.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.9km az=3.0.
ISC VIII 23 12 15 54.5–.49 38.46N–.03 39.15E–.03 11–6 38 0-2
ISCJB VIII 23 12 15 53.5–.54 38.45N–.03 39.15E–.03 14–6 ¶11525614
ISK VIII 23 12 15 53.4 38.45N 39.14E 14 1.9L
CSEM VIII 23 12 15 53.9–.20 38.47N 39.14E 15 2.9
DDA VIII 23 12 15 54.0 38.47N 39.15E 7–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=7.7.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=1.0.
ISC VIII 23 12 35 33.2–.83 38.69N–.04 38.16E–.07 20–25 26 0-2
ISK VIII 23 12 35 31.4 38.72N 38.16E 5 2.9 ¶11525615
CSEM VIII 23 12 35 32.6–.27 38.70N 38.14E 12 2.9
ISCJB VIII 23 12 35 33.0–.81 38.67N–.05 38.17E–.07 31–11 2.9
DDA VIII 23 12 35 33.5 38.73N 38.18E 7–6 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=82.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.0km az=30.7.
DDA VIII 23 12 46 38.2 37.22N 27.14E 7–4 2.7
¶15122339
ISC VIII 23 14 00 27.2–.62 40.02N–.03 36.42E–.04 0–6 48 0-3
ISK VIII 23 14 00 25.5 40.07N 36.46E 5 3.1 ¶11525617
ISCJB VIII 23 14 00 26.8–.65 40.02N–.03 36.44E–.04 0–7 3.1
DDA VIII 23 14 00 26.5 40.02N 36.41E 20–3 2.8
CSEM VIII 23 14 00 26.8–.21 40.06N 36.43E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.9km az=147.2.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=153.0.
ISC VIII 23 14 35 26.7–.77 36.95N–.04 29.24E–.05 9–8 33 0-2
ISK VIII 23 14 35 24.5 36.98N 29.22E 5 2.9 ¶11525620
ISCJB VIII 23 14 35 26.6–.53 36.95N–.03 29.26E–.04 10 2.9
DDA VIII 23 14 35 26.1 36.95N 29.15E 7–5 3.0
CSEM VIII 23 14 35 26.0–.26 36.96N 29.23E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.3km az=39.5.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.1km az=25.0.
ISC VIII 23 14 55 03.4–.66 38.93N–.04 32.83E–.04 5–9 28 1-2
DDA VIII 23 14 55 02.4 39.00N 32.77E 7–4 2.8 ¶11525621
ISK VIII 23 14 55 02.3 38.99N 32.85E 15 2.8
CSEM VIII 23 14 55 02.7–.38 38.95N 32.81E 8 2.8
ISCJB VIII 23 14 55 03.2–.62 38.92N–.04 32.80E–.04 10 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 23 15 27 20.1–1.6 41.80N–.09 34.93E–.04 9–14 37 0-2
ISCJB VIII 23 15 27 20.2–1.1 41.73N–.06 34.93E–.04 10 ¶11525622
ISK VIII 23 15 27 20.2 41.71N 34.92E 5 3.0
CSEM VIII 23 15 27 20.9–.62 41.78N 34.89E 2 3.0
DDA VIII 23 15 27 21.3 41.70N 34.88E 7–6 2.9

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.9km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=5.8km az=6.0.
ISC VIII 23 16 10 46.1–.52 40.34N–.03 27.86E–.04 7–6 38 1-2
ISK VIII 23 16 10 44.5 40.23N 27.89E 6 2.5L **¶11525624**
ISCJB VIII 23 16 10 45.4–.55 40.34N–.03 27.86E–.04 2–7 2.5L
DDA VIII 23 16 10 45.5 40.32N 27.85E 7–2 2.9
CSEM VIII 23 16 10 45.6–.15 40.34N 27.83E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=5.0km az=140.9.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=97.0.
ISC VIII 23 18 29 26.4–.69 40.07N–.05 28.01E–.05 16–6 26 0-2
ISK VIII 23 18 29 25.6 40.04N 28.03E 16 2.3L **¶11525625**
ISCJB VIII 23 18 29 26.5–.71 40.06N–.05 28.00E–.05 18–8 2.3L
CSEM VIII 23 18 29 26.3–.16 40.06N 28.02E 16–1 2.3L
DDA VIII 23 18 29 27.1 40.02N 27.99E 7–1 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.3km az=17.4.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=6.0.
ISC VIII 23 21 41 26.2–.58 36.96N–.04 29.20E–.03 10–5 50 0-2
ISCJB VIII 23 21 41 25.7–.59 36.96N–.04 29.19E–.03 6–6 **¶11525626**
CSEM VIII 23 21 41 25.7–.20 36.98N 29.23E 10 3.0
ISK VIII 23 21 41 25.6 37.03N 29.17E 12 3.0
DDA VIII 23 21 41 26.1 36.97N 29.19E 7–6 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.3km az=8.5.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=1.0.
ISC VIII 23 23 21 29.1–.63 36.97N–.04 29.14E–.04 5–7 37 0-2
ISCJB VIII 23 23 21 28.9–.58 36.96N–.04 29.16E–.03 10 **¶11525628**
CSEM VIII 23 23 21 28.7–.20 36.97N 29.13E 5 2.9
ISK VIII 23 23 21 28.0 36.96N 29.12E 6 2.9
DDA VIII 23 23 21 29.3 36.98N 29.19E 7–5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=3.9.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=4.0.
ISC VIII 24 03 16 44.7–.33 39.18N–.02 26.84E–.02 8–3 121 0-3
ISCJB VIII 24 03 16 43.9–.34 39.17N–.02 26.84E–.02 5–3 **¶11525631**
NEIC VIII 24 03 16 43.0 39.18N 26.85E 5 3.4,3.3
ATH VIII 24 03 16 43.0 39.20N 26.88E 18–3 3.4,3.3
DDA VIII 24 03 16 43.8 39.16N 26.88E 6–6 3.2,3.3
ISK VIII 24 03 16 43.7 39.19N 26.85E 5 3.2,3.3
CSEM VIII 24 03 16 44.2–.13 39.16N 26.81E 8 2.6L,3.3
THE VIII 24 03 16 44.1 39.14N 26.84E 9–1 2.6L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=37.3.
NEIC Event type se. After ISK.
ATH Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.8km az=6.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=253.0.
ISC VIII 24 03 46 57.4–.61 39.17N–.03 26.78E–.07 13–5 34 0-2
ISCJB VIII 24 03 46 56.9–.61 39.16N–.03 26.79E–.06 10–6 **¶11525632**
DDA VIII 24 03 46 56.8 39.13N 26.85E 7–1 2.9
ISK VIII 24 03 46 56.2 39.17N 26.75E 7 2.8
CSEM VIII 24 03 46 57.0–.23 39.17N 26.74E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.0km az=162.4.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=3.8km az=71.0.
ISC VIII 24 05 33 07.4–.52 39.41N–.03 34.05E–.04 5–6 42 0-2
DDA VIII 24 05 33 06.5 39.39N 34.07E 7–2 3.0 **¶11525633**
ISCJB VIII 24 05 33 07.1–.43 39.41N–.03 34.05E–.03 10 3.0
CSEM VIII 24 05 33 07.6–.11 39.41N 34.05E 2 3.0
ISK VIII 24 05 33 07.1 39.43N 34.13E 2 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=139.2.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=152.0.
ISC VIII 24 18 50 38.6–.73 37.46N–.07 35.91E–.05 24–6 25 0-2
ISK VIII 24 18 50 37.5 37.57N 35.90E 20 2.7L **¶11525635**
ISCJB VIII 24 18 50 38.5–.81 37.46N–.06 35.91E–.05 25–7 2.7L
CSEM VIII 24 18 50 38.5–.17 37.44N 35.94E 21–1 2.7L
DDA VIII 24 18 50 38.2 37.36N 35.92E 7–1 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.1km az=161.9.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.9km az=151.0.
ISC VIII 24 19 04 59.9–.98 36.40N–.04 29.25E–.06 6–9 36 0-2
ISCJB VIII 24 19 04 59.9–.64 36.41N–.04 29.28E–.04 10 **¶11525636**
CSEM VIII 24 19 04 59.6–.23 36.40N 29.29E 8 3.1
DDA VIII 24 19 04 59.4 36.40N 29.21E 7–1 3.1
ISK VIII 24 19 04 59.4 36.43N 29.27E 9 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=179.0.
ISC VIII 24 21 34 30.2–.51 37.04N–.03 29.26E–.05 15–6 38 0-2
ISCJB VIII 24 21 34 29.7–.51 37.03N–.03 29.25E–.05 12–7 **¶11525638**
DDA VIII 24 21 34 29.4 37.02N 29.24E 7–6 2.9
ISK VIII 24 21 34 29.4 37.02N 29.25E 15 2.9
CSEM VIII 24 21 34 29.6–.22 37.03N 29.26E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=151.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=16.0.
ISC VIII 24 22 52 38.9–1.1 37.3N–.10 39.21E–.08 10 9 1-2
¶15206906
ISC VIII 24 22 52 51.5–.43 36.96N–.02 29.20E–.02 0–3 3.5b 198 0-34
ISK VIII 24 22 52 49.8 36.98N 29.19E 5 3.5 **¶11525639**
ISCJB VIII 24 22 52 50.9–.45 36.94N–.02 29.22E–.02 5–3 3.4b
IDC VIII 24 22 52 50.8–1.2 36.92N 29.15E 0 3.7L,3.7b
DDA VIII 24 22 52 51.0 36.98N 29.19E 7–5 3.5,3.7b
CSEM VIII 24 22 52 51.4–.11 36.96N 29.21E 2 3.5,3.7b
NEIC VIII 24 22 52 51.0 37.06N 29.19E 5 4.0L,3.4L
THE VIII 24 22 52 55.0 37.04N 29.17E 8–4 4.0L,3.4L
HLW VIII 24 22 53 03.1 36.26N 29.34E 36–43 3.5L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=139.7.
IDC Error ellipse: s-maj=22.0km s-min=19.5km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=139.0.
NEIC Event type se. After ISK.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=1.3km az=143.0.
ISC VIII 25 00 39 54.6–.50 37.01N–.03 29.21E–.03 6–5 52 0-2
ISK VIII 25 00 39 53.0 37.01N 29.19E 3 3.0 **¶11525643**
ISCJB VIII 25 00 39 54.4–.42 37.02N–.03 29.21E–.03 10 3.0
CSEM VIII 25 00 39 54.0–.20 37.00N 29.22E 5 3.0
DDA VIII 25 00 39 54.7 37.04N 29.24E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=9.7.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=1.0.
ISC VIII 25 00 50 24.4–.62 36.96N–.04 29.19E–.03 5–5 56 0-3
ISK VIII 25 00 50 23.9 36.99N 29.20E 6 3.2 **¶11525644**
ISCJB VIII 25 00 50 24.6–.45 36.98N–.03 29.22E–.03 10 3.2
DDA VIII 25 00 50 24.8 37.03N 29.22E 7–6 3.1
CSEM VIII 25 00 50 24.2–.16 36.98N 29.20E 5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=1.2.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=5.0.
ISC VIII 25 02 04 47.0–.52 37.00N–.03 29.20E–.03 5–7 46 0-2
ISK VIII 25 02 04 45.2 37.01N 29.21E 5 2.9 **¶11525648**
ISCJB VIII 25 02 04 46.9–.45 36.99N–.03 29.23E–.03 10 2.9
CSEM VIII 25 02 04 46.6–.22 37.00N 29.22E 5 2.9
DDA VIII 25 02 04 46.6 36.99N 29.22E 7–6 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=18.8.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=14.0.
ISC VIII 25 02 57 20.2–.20 36.98N–.02 29.21E–.02 10 4.3b 224 0-79
ISK VIII 25 02 57 17.8 37.01N 29.18E 5 3.7 **¶11525650**
IDC VIII 25 02 57 18.0–1.5 36.80N 29.37E 0 3.8b,3.8
CSEM VIII 25 02 57 18.9–.11 36.96N 29.23E 2 3.7,3.8
ISCJB VIII 25 02 57 19.3–.21 36.97N–.02 29.21E–.02 10 4.3b,3.8
NEIC VIII 25 02 57 19.0 37.06N 29.16E 5 3.7L,3.6L
DDA VIII 25 02 57 19.2 37.02N 29.20E 24–2 3.6,3.6L
THE VIII 25 02 57 21.8 37.05N 29.21E 3–1 3.4L,3.6L
HLW VIII 25 02 57 30.4 36.28N 29.27E 35–50 3.6L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=69.0km s-min=17.4km az=141.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.8km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=169.8.
NEIC Event type se. After ISK.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=142.0.
ISC VIII 25 04 59 53.2–.46 38.56N–.02 40.69E–.03 2–6 52 0-3
ISCJB VIII 25 04 59 52.6–.54 38.56N–.02 40.68E–.03 1–5 **¶11525653**
ISK VIII 25 04 59 52.8 38.56N 40.62E 4 3.3
DDA VIII 25 04 59 52.7 38.55N 40.72E 7–6 3.4
CSEM VIII 25 04 59 53.3–.15 38.58N 40.71E 2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=146.4.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=114.0.
ISC VIII 25 06 59 42.1–.56 36.99N–.03 29.22E–.03 2–6 62 0-4
DDA VIII 25 06 59 40.5 36.94N 29.22E 7–4 3.1 **¶11525655**
ISCJB VIII 25 06 59 41.4–.56 36.97N–.03 29.21E–.03 1–6 3.1
CSEM VIII 25 06 59 41.7–.12 36.96N 29.21E 5 3.2
ISK VIII 25 06 59 41.6 36.98N 29.22E 9 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=169.5.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=1.5km az=168.0.
ISC VIII 25 09 55 19.6–.66 36.96N–.04 29.24E–.05 9–7 35 0-2
ISCJB VIII 25 09 55 19.0–.74 36.95N–.04 29.22E–.05 1–9 **¶11525656**
ISK VIII 25 09 55 19.3 36.96N 29.25E 12 2.8
CSEM VIII 25 09 55 19.2–.30 36.96N 29.26E 10 2.8
DDA VIII 25 09 55 20.4 37.07N 29.21E 7–7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=6.0km az=162.7.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=23.0.
ISC VIII 25 11 19 26.4–.55 40.48N–.02 26.06E–.06 10–4 48 0-2
ISCJB VIII 25 11 19 25.9–.64 40.49N–.02 26.04E–.06 9–4 **¶11525658**
ATH VIII 25 11 19 25.2 40.54N 26.26E 26–13 3.1
ISK VIII 25 11 19 26.0 40.45N 26.11E 5 2.7
CSEM VIII 25 11 19 26.0–.19 40.47N 26.04E 8 2.7
DDA VIII 25 11 19 28.9 40.36N 26.29E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.0km az=178.5.
ATH Error ellipse: s-maj=11.9km s-min=17.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=92.0.
ISC VIII 25 11 32 30.4–.46 40.47N–.02 26.09E–.05 11–4 54 0-2
ATH VIII 25 11 32 29.9 40.48N 26.01E 30–11 3.2 **¶11525659**
ISK VIII 25 11 32 29.7 40.46N 26.10E 10 2.8
ISCJB VIII 25 11 32 30.0–.47 40.47N–.02 26.08E–.05 10–4 2.8
CSEM VIII 25 11 32 30.2–.29 40.49N 26.05E 20 2.8
DDA VIII 25 11 32 31.7 40.41N 26.24E 7–1 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=7.6km s-min=6.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=8.9.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.7km az=95.0.
ISC VIII 25 12 05 33.9–.35 39.04N–.02 27.01E–.03 11–4 74 0-2
ISK VIII 25 12 05 32.5 39.06N 27.00E 2 2.9 **¶11525660**
ISCJB VIII 25 12 05 33.3–.36 39.03N–.02 27.00E–.03 6–4 2.9
CSEM VIII 25 12 05 33.4–.20 39.04N 26.99E 10 2.9
DDA VIII 25 12 05 33.4 39.08N 27.02E 7–7 3.0
ATH VIII 25 12 05 33.3 39.00N 27.03E 13–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=90.0.
ATH Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.
ISC VIII 25 12 16 04.2–.45 39.88N–.03 40.09E–.03 1–6 57 0-4
DDA VIII 25 12 16 02.8 39.83N 40.05E 7–4 3.2 **¶11525661**
ISK VIII 25 12 16 03.2 39.89N 40.10E 4 3.3
ISCJB VIII 25 12 16 04.0–.34 39.90N–.02 40.09E–.03 10 3.3
CSEM VIII 25 12 16 04.6–.14 39.88N 40.11E 5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=178.2.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=175.0.
ISC VIII 25 13 26 02.1–.38 37.00N–.03 35.65E–.03 15–3 69 0-3
ISCJB VIII 25 13 26 01.8–.44 37.00N–.03 35.62E–.03 12–4 **¶11525662**
CSEM VIII 25 13 26 01.9–.14 37.02N 35.66E 15 3.2
DDA VIII 25 13 26 01.6 36.99N 35.65E 7–5 3.2
ISK VIII 25 13 26 01.4 37.04N 35.63E 17 3.2
NSSC VIII 25 13 26 07 36.41N 37.48E 12–5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=34.0.
NSSC Event type se.
ISC VIII 25 14 47 05.0–.40 37.03N–.03 35.67E–.03 9–4 61 0-4
ISCJB VIII 25 14 47 04.4–.40 37.02N–.03 35.65E–.03 9–4 **¶11525665**
CSEM VIII 25 14 47 04.9–.18 37.02N 35.67E 10 3.4
DDA VIII 25 14 47 04.3 37.00N 35.64E 12–5 2.9
ISK VIII 25 14 47 04.1 37.10N 35.63E 7 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=23.5.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=30.0.
ISC VIII 25 15 30 02.2–.35 37.36N–.03 35.91E–.03 18–3 75 0-3
DDA VIII 25 15 30 01.8 37.40N 35.92E 7–6 3.0 **¶11525666**
ISK VIII 25 15 30 01.4 37.37N 35.92E 20 3.4
ISCJB VIII 25 15 30 02.2–.36 37.39N–.03 35.90E–.03 25–3 3.4
CSEM VIII 25 15 30 02.3–.15 37.39N 35.91E 20 3.4
NSSC VIII 25 15 30 07 37.27N 36.25E 47–9 3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.8km s-min=3.8km az=170.9.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=160.0.
NSSC Event type fe.
ISC VIII 25 15 31 07.8–.50 39.42N–.03 33.07E–.04 7–5 47 0-2
DDA VIII 25 15 31 06.8 39.40N 33.08E 6–1 2.7 **¶11525667**
ISK VIII 25 15 31 06.9 39.46N 33.10E 5 3.0
ISCJB VIII 25 15 31 07.3–.63 39.42N–.03 33.08E–.04 5–6 3.0
CSEM VIII 25 15 31 07.4–.08 39.42N 33.08E 3–0 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.0km az=26.5.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=2.0.
ISC VIII 25 15 51 26.8–.34 37.41N–.02 35.89E–.03 23–3 3.6b 124 0-39
IDC VIII 25 15 51 24.8–1.8 37.48N 35.51E 0 3.7b,3.6 **¶11525669**
ISK VIII 25 15 51 25.8 37.43N 35.86E 27 3.6,3.6
ISCJB VIII 25 15 51 26.5–.57 37.42N–.02 35.87E–.03 30–5 3.6b,3.6
DDA VIII 25 15 51 26.1 37.40N 35.92E 7–5 3.4,3.6
CSEM VIII 25 15 51 26.4–.09 37.43N 35.88E 20 3.6,3.6
NSSC VIII 25 15 51 28 37.32N 35.92E 19–3 3.6,3.6
NEIC VIII 25 15 51 29.3–1.2 37.48N 35.77E 35 3.6,3.6
ISC Event type fe.
IDC Error ellipse: s-maj=47.4km s-min=18.4km az=80.0.
ISCJB Event type fe. Error ellipse: s-maj=3.8km s-min=3.2km az=142.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=43.0.
NSSC Event type fe.
NEIC Event type se. Error ellipse: s-maj=40.1km s-min=12.2km az=74.0.
ISC VIII 25 17 15 34.2–.47 37.41N–.04 35.87E–.03 23–5 42 0-3
ISK VIII 25 17 15 32.7 37.38N 35.85E 28 2.3L **¶11525672**
ISCJB VIII 25 17 15 34.0–.50 37.42N–.05 35.87E–.04 25–5 2.3L
CSEM VIII 25 17 15 33.6–.32 37.43N 35.87E 23–3 2.3L
DDA VIII 25 17 15 34.4 37.39N 35.91E 7–6 2.9

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.7km az=166.8.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=5.7km az=168.0.
ISC VIII 26 00 35 23.7–.59 37.02N–.04 35.62E–.05 14–7 26 0-2
ISCJB VIII 26 00 35 23.5–.53 37.02N–.04 35.60E–.04 11–7 ¶11525681
CSEM VIII 26 00 35 23.7–.21 37.00N 35.60E 10 1.9L
ISK VIII 26 00 35 23.0 37.03N 35.58E 7 1.9L
DDA VIII 26 00 35 24.0 36.97N 35.58E 7–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.4km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=39.0.
ISC VIII 26 00 53 58.4–.60 37.00N–.04 29.17E–.04 9–11 31 0-1
ISK VIII 26 00 53 57.4 37.01N 29.17E 8 2.8 ¶11525682
ISCJB VIII 26 00 53 58.0–.57 37.01N–.04 29.17E–.03 10 2.8
CSEM VIII 26 00 53 58.0–.13 37.01N 29.16E 5 2.8
DDA VIII 26 00 53 58.8 37.02N 29.22E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=2.8.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=3.0.
ISC VIII 26 05 29 38.5–1.2 38.41N–.08 39.03E–.06 19–8 17 0-1
ISCJB VIII 26 05 29 38.4–1.2 38.41N–.08 39.03E–.06 20–10 ¶11525685
ISK VIII 26 05 29 38.0 38.48N 39.00E 5 2.5
CSEM VIII 26 05 29 38.4–.24 38.43N 39.03E 15 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=7.7km az=175.5.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.8km az=167.0.
ISC VIII 26 06 42 26.6–.41 38.85N–.02 27.23E–.03 8–4 77 0-2
ISK VIII 26 06 42 25.4 38.86N 27.23E 6 2.9 ¶11525688
ISCJB VIII 26 06 42 26.1–.47 38.86N–.02 27.23E–.03 4–4 2.9
DDA VIII 26 06 42 26.2 38.85N 27.25E 7–3 2.8
CSEM VIII 26 06 42 26.3–.19 38.85N 27.23E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=6.8.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=100.0.
ISC VIII 26 06 43 55.7–.44 38.82N–.02 27.25E–.04 17–4 54 0-2
DDA VIII 26 06 43 54.3 38.82N 27.26E 28–1 2.7 ¶11525689
ISK VIII 26 06 43 54.7 38.87N 27.18E 5 2.7
ISCJB VIII 26 06 43 55.3–.55 38.83N–.03 27.24E–.04 12–5 2.7
CSEM VIII 26 06 43 55.3–.17 38.83N 27.25E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=29.4.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=103.0.
ISC VIII 26 08 46 36.1–.41 36.31N–.03 29.50E–.03 47–7 116 0-4
DDA VIII 26 08 46 33.9 36.22N 29.46E 52–3 3.5 ¶11525694
ATH VIII 26 08 46 33.5 36.59N 29.42E 39–12 3.3
ISCJB VIII 26 08 46 34.9–.41 36.29N–.03 29.50E–.03 56–6 3.3
NEIC VIII 26 08 46 35.0 36.27N 29.49E 30 3.3,3.3
ISK VIII 26 08 46 35.7 36.35N 29.48E 29 3.4,3.3
CSEM VIII 26 08 46 36.1–.14 36.35N 29.47E 33–2 3.5,3.3
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=9.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=158.4.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=154.0.
ISC VIII 26 10 45 08.9–.48 40.36N–.05 29.15E–.04 12–5 45 0-1
DDA VIII 26 10 45 07.7 40.32N 29.17E 5–1 2.6 ¶11525697
ISCJB VIII 26 10 45 08.9–.48 40.35N–.06 29.15E–.04 7–6 2.6
CSEM VIII 26 10 45 08.7–.19 40.39N 29.14E 15 2.7
ISK VIII 26 10 45 08.1 40.33N 29.12E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.5km az=173.6.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=167.0.
ISC VIII 26 11 39 54.8–.46 39.48N–.03 28.17E–.03 12–5 52 0-2
ISK VIII 26 11 39 53.8 39.46N 28.16E 11 2.7 ¶11525699
ISCJB VIII 26 11 39 54.2–.52 39.47N–.03 28.17E–.03 5–5 2.7
DDA VIII 26 11 39 54.7 39.46N 28.16E 7–4 2.8
CSEM VIII 26 11 39 54.4–.14 39.47N 28.17E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=24.1.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=26.0.
ISC VIII 26 11 56 45.3–.70 38.47N–.04 29.72E–.04 16–9 32 0-2
ISK VIII 26 11 56 44.0 38.49N 29.72E 18 2.7 ¶11525700
ISCJB VIII 26 11 56 45.0–.53 38.50N–.03 29.74E–.03 10 2.7
CSEM VIII 26 11 56 45.1–.23 38.48N 29.75E 10 2.7
DDA VIII 26 11 56 45.8 38.53N 29.73E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=154.9.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=166.0.
ISC VIII 26 13 22 37.7–.42 38.46N–.03 39.13E–.03 5–4 48 0-2
DDA VIII 26 13 22 37.0 38.43N 39.14E 13–2 3.1 ¶11525703
ISK VIII 26 13 22 36.4 38.48N 39.13E 6 2.9
ISCJB VIII 26 13 22 37.3–.41 38.47N–.03 39.12E–.03 7–4 2.9
CSEM VIII 26 13 22 37.2–.17 38.47N 39.13E 8 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=4.5.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=167.0.
ISC VIII 26 13 49 18.2–.32 37.92N–.02 27.15E–.02 3–4 111 0-3
ATH VIII 26 13 49 16.2 37.85N 27.29E 4 3.3 ¶11525705
DDA VIII 26 13 49 17.5 37.92N 27.12E 7–4 3.0
ISCJB VIII 26 13 49 17.9–.28 37.91N–.02 27.14E–.02 10 3.0
ISK VIII 26 13 49 17.7 37.91N 27.15E 5 3.2
CSEM VIII 26 13 49 18.2–.12 37.90N 27.13E 2 3.0
THE VIII 26 13 49 19.8 38.01N 27.07E 0–1 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=1.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=165.6.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=72.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.8km az=143.0.
ISC VIII 26 14 01 27.4–.58 37.30N–.05 28.58E–.04 10–8 33 0-1
ISCJB VIII 26 14 01 27.0–.60 37.31N–.05 28.57E–.04 5–11 ¶11525706
DDA VIII 26 14 01 27.5 37.29N 28.65E 7–3 2.8
ISK VIII 26 14 01 27.1 37.37N 28.49E 13 2.7
CSEM VIII 26 14 01 27.1–.29 37.31N 28.57E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.8km az=153.6.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=3.7km az=141.0.
ISC VIII 26 14 23 25.2–.87 38.32N–.07 39.26E–.05 6–10 23 0-2
CSEM VIII 26 14 23 23.9–.32 38.33N 39.32E 12 2.5 ¶11525707
ISCJB VIII 26 14 23 24.8–.76 38.32N–.06 39.24E–.05 7–9 2.5
ISK VIII 26 14 23 24.5 38.39N 39.20E 5 2.5
DDA VIII 26 14 23 25.9 38.37N 39.20E 7–4 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=3.0km az=142.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.8km az=169.2.
ISC VIII 26 16 13 20.7–.42 37.33N–.02 27.01E–.03 4–3 107 0-4
ISK VIII 26 16 13 19.6 37.33N 26.98E 5 3.5 ¶11525709
NEIC VIII 26 16 13 19.0 37.30N 26.95E 5 3.2,3.2
ISCJB VIII 26 16 13 20.2–.51 37.34N–.02 27.02E–.03 2–4 3.2,3.2
ATH VIII 26 16 13 20.0 37.33N 27.07E 20–1 3.2,3.2
CSEM VIII 26 16 13 20.4–.19 37.34N 26.99E 5 3.5,3.2
DDA VIII 26 16 13 20.1 37.36N 27.03E 9–3 3.0,3.2
THE VIII 26 16 13 21.2 37.33N 27.01E 4–1 3.2L,3.2
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=146.8.
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=57.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=296.0.
ISC VIII 26 16 27 53.6–.89 37.33N–.04 27.06E–.07 18–7 40 0-1
ISK VIII 26 16 27 52.6 37.35N 27.07E 13 2.8 ¶11525710
ISCJB VIII 26 16 27 53.4–.89 37.33N–.04 27.05E–.07 10–8 2.8
DDA VIII 26 16 27 53.8 37.37N 27.08E 7–4 2.5
CSEM VIII 26 16 27 53.3–.28 37.32N 27.03E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.2km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=2.9km az=69.0.
ISC VIII 26 22 03 12.6–.52 38.12N–.03 42.93E–.04 16–9 31 0-3
ISCJB VIII 26 22 03 11.9–.51 38.11N–.03 42.91E–.04 9–10 ¶11525717
CSEM VIII 26 22 03 12.9–.12 38.11N 42.96E 2 3.0
DDA VIII 26 22 03 12.4 38.15N 42.94E 8–6 3.2
ISK VIII 26 22 03 13.4 38.12N 43.09E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=167.9.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=58.0.
ISC VIII 26 22 47 41.1–.61 37.36N–.03 27.03E–.05 5–4 81 0-4
NEIC VIII 26 22 47 39.0 37.30N 26.95E 5 3.1,2.9 ¶11525718
ISK VIII 26 22 47 39.4 37.29N 26.98E 2 3.3,2.9
ISCJB VIII 26 22 47 40.5–.61 37.36N–.03 27.03E–.05 1–5 3.3,2.9
DDA VIII 26 22 47 40.8 37.37N 27.07E 23–2 3.2,2.9
CSEM VIII 26 22 47 40.8–.39 37.33N 26.98E 2 2.9,2.9
ATH VIII 26 22 47 41.5 37.41N 27.01E 27–7 2.9,2.9
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.1km az=150.9.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.1km az=58.0.
ATH Error ellipse: s-maj=7.2km s-min=4.9km az=-1.0.
ISC VIII 26 23 42 02.4–.54 39.44N–.03 40.46E–.04 4–7 35 1-2
CSEM VIII 26 23 42 01.9–.32 39.43N 40.48E 0–3 2.9 ¶11525719
ISK VIII 26 23 42 01.9 39.42N 40.45E 6 2.9
DDA VIII 26 23 42 02.0 39.45N 40.47E 7–6 3.0
ISCJB VIII 26 23 42 02.1–.46 39.43N–.03 40.45E–.04 10 3.0
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 27 00 18 00.7–.54 38.14N–.03 37.35E–.04 7–7 33 0-2
ISK VIII 27 00 17 58.3 38.15N 37.31E 2 3.0 ¶11525721
ISCJB VIII 27 00 18 00.0–.63 38.13N–.03 37.34E–.04 2–8 3.0
CSEM VIII 27 00 18 00.0–.23 38.09N 37.37E 5 2.8
DDA VIII 27 00 18 00.4 38.10N 37.40E 7–6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.5km az=138.3.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.6km az=146.0.
ISC VIII 27 01 12 39.1–.39 37.02N–.02 29.14E–.03 9–3 96 0-3
DDA VIII 27 01 12 38.1 37.01N 29.15E 7–5 2.9 ¶11525722
ISCJB VIII 27 01 12 38.4–.40 37.00N–.02 29.14E–.03 7–4 2.9
NEIC VIII 27 01 12 38.0 37.06N 29.15E 10 3.3,2.9
ISK VIII 27 01 12 38.6 37.05N 29.16E 10 3.1,2.9
CSEM VIII 27 01 12 38.8–.13 37.02N 29.16E 8 3.1,2.9
ATH VIII 27 01 12 39.8 36.97N 29.20E 41–39 3.3,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=157.9.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=167.0.
ATH Error ellipse: s-maj=4.3km s-min=27.0km az=-1.0.
ISC VIII 27 01 20 41.6–.37 39.12N–.02 26.46E–.03 8–3 104 0-4
ISK VIII 27 01 20 39.4 39.02N 26.20E 16 3.2 ¶11525724
DDA VIII 27 01 20 40.9 39.13N 26.51E 26–1 3.1
ISCJB VIII 27 01 20 41.4–.45 39.12N–.02 26.44E–.03 9–4 3.1
CSEM VIII 27 01 20 41.1–.20 39.11N 26.44E 5 2.6L
THE VIII 27 01 20 41.4 39.13N 26.47E 7–5 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=159.8.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=78.0.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=0.5km az=346.0.
ISC VIII 27 06 59 46.5–.69 36.95N–.05 29.26E–.06 11–7 29 0-2
ISK VIII 27 06 59 45.8 36.97N 29.29E 17 2.9 ¶11525726
ISCJB VIII 27 06 59 46.1–.80 36.94N–.04 29.26E–.06 9–8 2.9
CSEM VIII 27 06 59 46.2–.15 36.94N 29.25E 8 2.9
DDA VIII 27 06 59 47.3 37.03N 29.23E 7–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=7.1km az=151.1.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=22.0.
ISC VIII 27 08 47 12.5–.85 38.21N–.08 38.09E–.07 26–5 29 0-1
CSEM VIII 27 08 47 10.4–.40 38.07N 38.08E 28–3 2.6 ¶11525728
ISCJB VIII 27 08 47 12.6–.87 38.21N–.07 38.09E–.07 26–5 2.6
ISK VIII 27 08 47 12.9 38.61N 38.30E 11 2.6
DDA VIII 27 08 47 13.8 38.31N 38.16E 7–5 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.1km s-min=8.7km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=8.3km az=164.5.
ISC VIII 27 10 37 09.6–.60 36.97N–.04 29.17E–.03 9–17 34 0-1
ISK VIII 27 10 37 07.9 37.00N 29.17E 5 2.8 ¶11525731
DDA VIII 27 10 37 08.9 36.96N 29.19E 7–5 2.9
ISCJB VIII 27 10 37 09.1–.55 36.99N–.04 29.16E–.03 10 2.9
CSEM VIII 27 10 37 09.3–.30 36.97N 29.21E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=3.7.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.6km az=4.0.
ISC VIII 27 13 48 23.8–.97 40.05N–.04 42.20E–.08 14–11 19 0-1
CSEM VIII 27 13 48 22.4–.30 40.00N 42.18E 10 2.8 ¶13828002
DDA VIII 27 13 48 23.8 40.06N 42.15E 7–3 2.8
ISCJB VIII 27 13 48 24.1–.97 40.02N–.05 42.13E–.09 17–14 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 27 15 06 41.0–.72 37.05N–.05 27.97E–.04 25–11 29 0-1
ISCJB VIII 27 15 06 40.9–.86 37.04N–.05 27.97E–.04 25–10 ¶11525733
ISK VIII 27 15 06 40.9 37.15N 27.93E 25 2.2L
DDA VIII 27 15 06 41.6 37.11N 27.97E 7–5 2.7
CSEM VIII 27 15 06 41.4–.28 37.10N 27.93E 24–3 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.2km az=174.1.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=155.0.
ISC VIII 27 15 40 34.7–.36 37.92N–.02 27.13E–.03 3–3 118 0-3
ISK VIII 27 15 40 33.2 37.90N 27.02E 5 3.1 ¶11525735
ATH VIII 27 15 40 33.0 37.89N 27.25E 10–4 3.3
NEIC VIII 27 15 40 33.0 37.89N 27.25E 10 3.3,3.0
CSEM VIII 27 15 40 34.5–.13 37.91N 27.10E 5 3.3,3.0
ISCJB VIII 27 15 40 34.7–.28 37.91N–.02 27.13E–.03 10 3.3,3.0
DDA VIII 27 15 40 34.4 37.92N 27.10E 5–3 3.3,3.0
THE VIII 27 15 40 35.3 37.99N 27.14E 0–0 3.3L,3.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=156.9.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=77.0.
ISC VIII 27 19 00 48.0–.36 37.03N–.02 27.95E–.03 12–3 88 0-4
ATH VIII 27 19 00 46.2 37.06N 28.14E 30–2 3.3 ¶11525738
ISCJB VIII 27 19 00 47.4–.37 37.03N–.02 27.96E–.03 10–3 3.3
DDA VIII 27 19 00 47.0 37.00N 27.99E 9–3 3.0
CSEM VIII 27 19 00 47.7–.14 37.05N 27.95E 9–0 3.3
NEIC VIII 27 19 00 47.0 37.08N 27.93E 6 3.3,2.9
ISK VIII 27 19 00 47.0 37.05N 27.95E 9 3.3,2.9
ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=32.4.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=177.0.
NEIC Event type se. After ISK.
ISC VIII 27 19 10 56.0–.46 37.92N–.02 27.07E–.03 2–5 61 0-2
ISK VIII 27 19 10 54.8 37.93N 27.11E 2 2.8 ¶11525739
ATH VIII 27 19 10 54.8 37.70N 27.05E 35–2 2.9

ISCJB VIII 27 19 10 55.9–.37 37.90N–.02 27.07E–.03 10 2.9
DDA VIII 27 19 10 55.3 37.92N 27.12E 8–3 2.8
CSEM VIII 27 19 10 55.7–.19 37.92N 27.08E 2 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=3.8km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=156.2.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=70.0.
ISC VIII 28 01 57 13.6–.58 38.27N–.03 42.41E–.03 1–5 63 0-4
ISK VIII 28 01 57 13.5 38.29N 42.42E 9 3.6 ¶11525749
CSEM VIII 28 01 57 13.5–.19 38.29N 42.44E 2 3.2
DDA VIII 28 01 57 13.1 38.42N 42.46E 6–3 3.2
ISCJB VIII 28 01 57 14.0–.39 38.26N–.03 42.42E–.03 10 3.2
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 28 02 02 40.5–.43 40.72N–.02 32.94E–.03 5–4 64 0-3
ISCJB VIII 28 02 02 39.6–.47 40.72N–.03 32.92E–.03 1–5 ¶11525750
ISK VIII 28 02 02 39.7 40.70N 32.91E 5 2.9
DDA VIII 28 02 02 39.9 40.72N 32.96E 6–3 2.9
CSEM VIII 28 02 02 40.5–.13 40.74N 32.95E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=158.9.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=101.0.
ISC VIII 28 06 15 07.4–.36 39.74N–.02 26.10E–.03 4–3 121 0-2
CSEM VIII 28 06 15 06.9–.14 39.76N 26.08E 0–1 2.8L ¶11525752
ISK VIII 28 06 15 06.1 39.79N 26.08E 5 2.8L
ISCJB VIII 28 06 15 06.9–.41 39.75N–.02 26.11E–.03 1–4 2.8L
ATH VIII 28 06 15 06.9 39.73N 26.12E 5–2 3.1
NEIC VIII 28 06 15 06.0 39.79N 26.08E 5 3.1,3.0
DDA VIII 28 06 15 07.3 39.74N 26.18E 6–5 3.0,3.0
THE VIII 28 06 15 07.7 39.72N 26.08E 10–1 2.6L,3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=165.2.
ATH Error ellipse: s-maj=0.4km s-min=0.9km az=-1.0.
NEIC Event type se. After ISK.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=241.0.
DDA VIII 28 06 16 17.9 38.10N 34.70E 7–2 2.8
¶13828066
ISC VIII 28 07 35 26.5–.60 40.79N–.05 27.46E–.06 14–7 34 0-1
ISK VIII 28 07 35 25.7 40.79N 27.47E 18 2.3L ¶11525754
ISCJB VIII 28 07 35 26.1–.63 40.81N–.05 27.45E–.07 15–8 2.3L
DDA VIII 28 07 35 26.9 40.71N 27.47E 7–3 2.9
CSEM VIII 28 07 35 26.5–.09 40.77N 27.47E 12 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.7km az=140.2.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=141.0.
ISC VIII 28 10 09 57.1–1.2 37.21N–.05 28.15E–.05 11–14 24 0-1
ISK VIII 28 10 09 54.6 37.32N 28.20E 13 2.2L ¶11525757
ISCJB VIII 28 10 09 56.7–1.1 37.21N–.05 28.15E–.04 15–47 2.2L
CSEM VIII 28 10 09 56.5–.15 37.22N 28.19E 12 2.2L
DDA VIII 28 10 09 58.1 37.26N 28.11E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.3km az=173.1.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=2.0.
ISC VIII 28 11 40 21.5–.83 37.21N–.03 36.11E–.05 10–18 24 0-2
ISK VIII 28 11 40 20.1 37.23N 36.13E 16 2.3L ¶11525760
CSEM VIII 28 11 40 21.3–.40 37.20N 36.10E 5 2.3L
DDA VIII 28 11 40 21.9 37.26N 36.05E 7–4 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=8.9km az=115.0.
ISC VIII 28 12 55 10.6–.52 37.00N–.03 29.20E–.03 6–4 77 0-3
ISCJB VIII 28 12 55 10.0–.55 37.01N–.03 29.20E–.03 2–5 ¶11525762
DDA VIII 28 12 55 09.5 37.02N 29.19E 5–1 3.2
ISK VIII 28 12 55 09.7 37.00N 29.21E 9 3.2
CSEM VIII 28 12 55 10.0–.16 36.99N 29.21E 5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=33.2.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=11.0.
ISC VIII 28 15 19 54.0–1.4 39.16N–.08 33.25E–.04 12–10 25 0-2
ISCJB VIII 28 15 19 53.6–1.4 39.15N–.08 33.24E–.04 8–10 ¶11525766
ISK VIII 28 15 19 53.1 39.35N 33.19E 9 2.6
CSEM VIII 28 15 19 53.7–.17 39.16N 33.23E 15 2.7
DDA VIII 28 15 19 55.0 39.21N 33.30E 7–1 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.6km az=1.2.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.9km az=172.0.
ISC VIII 28 15 55 33.8–.46 37.36N–.03 37.11E–.03 8–5 39 0-2
DDA VIII 28 15 55 32.9 37.36N 37.12E 10–2 3.0 ¶11525767
ISK VIII 28 15 55 32.7 37.31N 37.04E 12 2.9
ISCJB VIII 28 15 55 33.5–.55 37.36N–.03 37.11E–.04 6–5 2.9
CSEM VIII 28 15 55 33.6–.10 37.36N 37.12E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=175.9.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=56.0.
ISC VIII 28 21 02 09.0–.56 36.98N–.03 29.07E–.03 5–4 74 0-3
DDA VIII 28 21 02 08.7 36.99N 29.13E 8–5 3.2 ¶11525771
ISK VIII 28 21 02 08.2 36.98N 29.07E 6 3.1
CSEM VIII 28 21 02 08.2–.17 36.96N 29.06E 2 3.1
ISCJB VIII 28 21 02 09.0–.44 36.98N–.03 29.08E–.03 10 3.1
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 28 21 07 01.5–.53 37.07N–.04 29.11E–.03 5–6 44 0-3
ISCJB VIII 28 21 07 00.9–.51 37.04N–.04 29.11E–.03 10 ¶11525772
DDA VIII 28 21 07 00.1 36.99N 29.16E 6–3 2.9
ISK VIII 28 21 07 00.7 37.12N 29.11E 7 3.0
CSEM VIII 28 21 07 01.1–.20 37.11N 29.12E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=178.5.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=5.0.
ISC VIII 28 22 55 23.3–.47 37.71N–.03 37.46E–.04 11–8 33 0-2
ISCJB VIII 28 22 55 22.6–.47 37.72N–.03 37.46E–.03 8–9 ¶11525774
ISK VIII 28 22 55 22.4 37.70N 37.48E 10 2.8
DDA VIII 28 22 55 23.2 37.70N 37.49E 5–4 3.1
CSEM VIII 28 22 55 23.1–.13 37.72N 37.45E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=145.4.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=1.9km az=148.0.
ISC VIII 29 02 46 18.2–.80 36.94N–.04 29.11E–.05 10 27 0-1
ISCJB VIII 29 02 46 17.8–.81 36.93N–.04 29.13E–.05 10 ¶13828138
CSEM VIII 29 02 46 17.9–.33 36.96N 29.11E 2 2.8
DDA VIII 29 02 46 20.1 37.07N 29.14E 7–7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.3km az=11.1.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.3km az=25.0.
ISC VIII 29 08 48 05.7–.57 40.81N–.04 31.93E–.04 9–5 45 0-2
DDA VIII 29 08 48 04.8 40.80N 31.90E 7–4 3.0 ¶11525778
ISK VIII 29 08 48 04.9 40.79N 31.94E 10 2.8
ISCJB VIII 29 08 48 05.2–.59 40.81N–.04 31.91E–.04 6–6 2.8
CSEM VIII 29 08 48 05.5–.21 40.80N 31.93E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=150.5.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=157.0.
DDA VIII 29 12 48 54.3 41.01N 31.47E 7–3 2.6
CSEM VIII 29 12 48 54.3 41.01N 31.47E 7 2.6 ¶13828148
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC VIII 29 16 42 11.9–1.5 37.80N–.09 35.41E–.07 10 6 0-1
ISCJB VIII 29 16 42 11.6–1.4 37.79N–.08 35.40E–.07 10 ¶13828152
DDA VIII 29 16 42 14.3 37.43N 35.53E 6–1 2.8
ISCJB Error ellipse: s-maj=12.6km s-min=7.5km az=163.6.

ISC VIII 29 19 33 13.3–.34 40.30N–.02 27.17E–.03 8–4 73 0-2
ISCJB VIII 29 19 33 12.8–.40 40.30N–.02 27.17E–.03 3–5 ¶11525784
ISK VIII 29 19 33 12.4 40.25N 27.14E 8 2.8
CSEM VIII 29 19 33 13.0–.12 40.30N 27.16E 5 2.8
DDA VIII 29 19 33 13.1 40.28N 27.17E 16–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=30.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=33.0.
ISC VIII 29 22 02 45.9–.54 39.38N–.03 33.10E–.03 4–5 70 0-3
DDA VIII 29 22 02 44.7 39.38N 33.11E 5–1 2.9 ¶11525785
ISCJB VIII 29 22 02 45.8–.35 39.40N–.02 33.11E–.03 10 2.9
ISK VIII 29 22 02 45.2 39.43N 33.13E 4 3.2
CSEM VIII 29 22 02 45.9–.18 39.39N 33.11E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=145.9.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.3km az=167.0.
ISC VIII 29 22 05 06.7–.48 37.37N–.03 36.33E–.03 2–6 44 0-3
ISK VIII 29 22 05 05.2 37.42N 36.33E 5 3.1 ¶11525786
DDA VIII 29 22 05 05.6 37.36N 36.36E 5–1 3.0
ISCJB VIII 29 22 05 06.6–.43 37.39N–.03 36.31E–.03 10 3.0
CSEM VIII 29 22 05 06.5–.21 37.39N 36.33E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=164.3.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=163.0.
ISC VIII 30 15 26 32.7–.67 40.28N–.03 39.66E–.05 6–6 43 0-3
DDA VIII 30 15 26 31.7 40.29N 39.57E 7–3 3.2 ¶11525789
ISCJB VIII 30 15 26 32.3–.63 40.29N–.03 39.64E–.05 7–6 3.2
ISK VIII 30 15 26 32.0 40.29N 39.64E 9 3.2
CSEM VIII 30 15 26 32.3–.18 40.28N 39.63E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.8km az=31.7.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=110.0.
ISC VIII 31 00 34 02.3–.53 39.09N–.03 40.96E–.04 10–4 40 0-3
ISCJB VIII 31 00 34 01.8–.68 39.10N–.03 40.94E–.04 2–6 ¶11525793
ISK VIII 31 00 34 02.2 39.23N 40.81E 8 3.0
DDA VIII 31 00 34 02.1 39.08N 40.99E 8–3 3.0
CSEM VIII 31 00 34 03.4–.33 39.20N 40.79E 15 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.6km az=24.2.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=7.1km az=117.0.
ISC VIII 31 04 39 08.4–.35 37.93N–.01 27.15E–.02 1–3 176 0-4
NEIC VIII 31 04 39 06.0 37.88N 27.05E 5 3.3,3.3 ¶11525796
ATH VIII 31 04 39 07.7 37.90N 27.19E 2 3.3,3.3
ISK VIII 31 04 39 07.0 37.90N 27.06E 4 3.3,3.3
DDA VIII 31 04 39 07.4 37.92N 27.10E 15–3 3.2,3.3
CSEM VIII 31 04 39 08.6–.13 37.91N 27.13E 2 3.3,3.3
ISCJB VIII 31 04 39 08.4–.23 37.91N–.01 27.15E–.02 10 3.3,3.3
THE VIII 31 04 39 09.4 37.96N 27.10E 1–2 3.0L,3.3
ISC Event type ke.
NEIC Event type se. After ISK.
ATH Error ellipse: s-maj=0.9km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=80.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=176.1.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=1.0km az=92.0.
ISC VIII 31 08 41 13.2–.49 39.34N–.03 38.25E–.04 11–5 44 0-2
ISCJB VIII 31 08 41 12.4–.50 39.34N–.03 38.24E–.04 7–6 ¶11525798
ISK VIII 31 08 41 12.8 39.34N 38.29E 11 3.0
DDA VIII 31 08 41 12.6 39.32N 38.22E 7–2 3.1
CSEM VIII 31 08 41 12.7–.19 39.33N 38.25E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=144.2.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=65.0.
ISC VIII 31 11 36 25.4–.53 37.00N–.03 29.17E–.03 8–5 52 0-3
DDA VIII 31 11 36 24.4 37.00N 29.18E 7–6 3.0 ¶11525800
ISCJB VIII 31 11 36 25.2–.43 37.01N–.03 29.18E–.03 10 3.0
CSEM VIII 31 11 36 25.1–.22 37.02N 29.18E 8 3.1
ISK VIII 31 11 36 25.1 37.07N 29.18E 9 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=11.9.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=16.0.
ISC VIII 31 23 37 06.4–.45 38.93N–.03 30.01E–.03 7–7 40 0-2
DDA VIII 31 23 37 05.6 38.95N 30.02E 7–5 2.8 ¶11525803
ISCJB VIII 31 23 37 06.1–.51 38.92N–.03 30.01E–.03 8–5 2.8
ISK VIII 31 23 37 06.2 38.90N 30.02E 5 2.6
CSEM VIII 31 23 37 06.2–.12 38.94N 29.99E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=161.7.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=149.0.
ISC IX 01 00 02 05.2–.57 39.09N–.03 40.42E–.04 2–6 23 0-2
DDA IX 01 00 02 04.6 39.11N 40.44E 7–4 3.0 ¶11660467
ISCJB IX 01 00 02 05.3–.51 39.10N–.03 40.41E–.04 10 3.0
ISK IX 01 00 02 05.7 38.99N 40.34E 8 2.7
ISCJB Error ellipse: s-maj=4.7km s-min=4.0km az=2.6.
ISC IX 01 06 08 28.0–.75 36.88N–.04 29.21E–.05 6–9 36 0-3
DDA IX 01 06 08 26.5 36.84N 29.29E 7–3 2.8 ¶11660469
ISK IX 01 06 08 26.4 36.90N 29.22E 5 2.8
CSEM IX 01 06 08 27.1–.30 36.85N 29.22E 2 2.8
ISCJB IX 01 06 08 28.2–.58 36.89N–.03 29.25E–.04 10 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 01 11 58 32.5–.35 37.91N–.02 27.10E–.03 5–3 128 0-4
DDA IX 01 11 58 31.5 37.92N 27.11E 6–3 3.1 ¶11660473
ATH IX 01 11 58 31.3 37.88N 27.18E 18–2 3.2
NEIC IX 01 11 58 31.0 37.90N 27.13E 3 3.1L
ISK IX 01 11 58 31.6 37.91N 27.10E 5 3.1
ISCJB IX 01 11 58 31.7–.43 37.90N–.02 27.09E–.03 1–4 3.1
CSEM IX 01 11 58 32.1–.12 37.91N 27.10E 2 3.1
THE IX 01 11 58 33.1 37.97N 27.11E 2–1 3.2L
ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=162.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=72.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=31.0.
ISC IX 01 12 24 26.5–.45 37.90N–.02 27.09E–.03 2–4 61 0-2
DDA IX 01 12 24 25.8 37.93N 27.09E 15–2 2.9 ¶11660475
ISK IX 01 12 24 25.2 37.89N 27.03E 5 2.5
ATH IX 01 12 24 25.7 37.62N 26.95E 38–1 3.1
ISCJB IX 01 12 24 26.3–.38 37.89N–.02 27.08E–.03 10 3.1
CSEM IX 01 12 24 26.2–.24 37.90N 27.09E 5 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=2.4km s-min=2.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=170.7.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=78.0.
ISC IX 01 13 01 04.8–1.1 40.99N–.06 35.16E–.05 10–8 25 0-2
ISK IX 01 13 01 02.8 41.05N 35.21E 14 2.5 ¶11660476
ISCJB IX 01 13 01 04.6–.92 40.99N–.06 35.13E–.05 10 2.5
CSEM IX 01 13 01 04.1–.50 40.97N 35.19E 5 3.0
DDA IX 01 13 01 05.2 40.90N 35.14E 7–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.5km az=174.2.
CSEM Event type ke.
ISC IX 01 15 07 23.8–.50 38.79N–.03 31.27E–.03 7–5 48 0-2
DDA IX 01 15 07 22.5 38.84N 31.29E 7–1 2.9 ¶11660477
ISCJB IX 01 15 07 23.5–.54 38.79N–.03 31.28E–.03 10–5 2.9
ISK IX 01 15 07 23.1 38.77N 31.29E 5 2.9
CSEM IX 01 15 07 23.4–.15 38.77N 31.28E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=173.5.
CSEM Event type ke.

ISC IX 02 02 14 24.9–.56 37.92N–.03 27.10E–.06 10–6 28 0-1
ISK IX 02 02 14 23.6 37.90N 27.04E 9 2.6 ¶11660481
ISCJB IX 02 02 14 24.1–.74 37.89N–.03 27.06E–.07 5–9 2.6
CSEM IX 02 02 14 24.7–.21 37.90N 27.11E 10 2.6
ATH IX 02 02 14 24.9 37.75N 27.01E 30–7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.7km az=173.4.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.0km az=77.0.
ATH Error ellipse: s-maj=14.7km s-min=5.6km az=-1.0.
ISC IX 02 02 28 48.2–.48 37.08N–.03 29.14E–.02 5–4 96 0-5
DDA IX 02 02 28 45.3 36.94N 29.22E 25–2 3.2 ¶11660482
CSEM IX 02 02 28 47.9–.15 37.11N 29.15E 2 3.4
ISCJB IX 02 02 28 47.6–.54 37.07N–.03 29.15E–.02 5–4 3.4
NEIC IX 02 02 28 47.0 37.12N 29.13E 5 3.3,3.3L
ISK IX 02 02 28 47.0 37.10N 29.13E 3 3.4,3.3L
ATH IX 02 02 28 52.9 36.59N 29.02E 15–1 3.3,3.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=4.1.
NEIC Event type se. After ISK.
ATH Error ellipse: s-maj=8.4km s-min=1.3km az=-1.0.
ISC IX 02 10 34 41.5–1.4 36.53N–.07 31.29E–.06 13–6 24 1-2
DDA IX 02 10 34 29.4 35.96N 31.10E 7–9 3.1 ¶11660484
ISCJB IX 02 10 34 41.1–1.5 36.55N–.07 31.29E–.05 11–7 3.1
CSEM IX 02 10 34 41.5–.53 36.54N 31.30E 10 2.7
ISK IX 02 10 34 42.6 36.62N 31.37E 13 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=5.8km az=23.6.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=5.7km az=37.0.
ISC IX 02 10 35 58.9–.72 40.49N–.08 39.41E–.07 7–5 16 0-2
ISK IX 02 10 35 57.7 40.54N 39.45E 10 2.6 ¶11660485
CSEM IX 02 10 35 57.7 40.54N 39.45E 10 2.6
ISCJB IX 02 10 35 58.6–.71 40.51N–.07 39.40E–.07 7–6 2.6
ISC Event type ke.
CSEM Event type ke. After ISK.
ISCJB Event type ke.
ISC IX 02 11 44 04.9–.66 36.81N–.04 29.21E–.05 5–10 28 0-2
ISCJB IX 02 11 44 04.5–.61 36.82N–.04 29.21E–.04 10 ¶11660486
DDA IX 02 11 44 04.6 36.82N 29.32E 7–6 2.8
CSEM IX 02 11 44 04.6–.37 36.81N 29.20E 2 2.4
ISK IX 02 11 44 05.1 36.90N 29.18E 6 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=5.0km az=18.6.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=6.7km az=31.0.
ISC IX 02 11 53 54.1–.57 39.53N–.07 28.22E–.07 11–8 26 0-2
ISK IX 02 11 53 52.6 39.62N 28.32E 5 2.1 ¶11660487
ISCJB IX 02 11 53 53.8–.66 39.57N–.08 28.24E–.07 15–6 2.1
DDA IX 02 11 53 53.6 39.47N 28.16E 7–3 2.9
CSEM IX 02 11 53 53.6–.26 39.53N 28.24E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=5.2km az=31.2.
CSEM Event type ke. Error ellipse: s-maj=13.8km s-min=4.3km az=36.0.
ISC IX 03 01 23 20.0–.88 36.99N–.04 29.19E–.05 4–9 35 0-2
ISK IX 03 01 23 18.8 37.02N 29.22E 5 2.8 ¶11660495
ISCJB IX 03 01 23 20.0–.68 36.99N–.04 29.21E–.04 10 2.8
DDA IX 03 01 23 19.5 37.00N 29.21E 7–4 2.9
CSEM IX 03 01 23 19.9–.35 37.03N 29.22E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.7km az=13.5.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=5.7km az=16.0.
ISC IX 03 02 22 48.8–.11 37.46N–.01 38.60E–.01 10 4.5b,4.2s 972 0-78
BJI IX 03 02 22 45.0 37.38N 38.15E 15 4.8s,4.8b ¶11230944
DDA IX 03 02 22 46.1 37.44N 38.60E 24–1 4.9L,4.8b
IDC IX 03 02 22 47.4–.53 37.51N 38.58E 0 4.2,4.2b
MOS IX 03 02 22 47.1–1.3 37.47N 38.56E 10 4.6b,4.2b
CSEM IX 03 02 22 47.6–.08 37.47N 38.61E 2 4.7b,4.2W
ISCJB IX 03 02 22 47.2–.10 37.461N–.01 38.58E–.01 10 4.5b,4.2s
NEIC IX 03 02 22 47.0 37.51N 38.50E 6 5.1L,4.6b
ISK IX 03 02 22 47.9 37.51N 38.50E 7 5.1L,4.6b
NSSC IX 03 02 22 48 37.45N 38.67E 13–2 5.1L,4.6b
NIC IX 03 02 22 48.4–.10 37.59N 38.57E 15 4.8b,4.5L
GCMT IX 03 02 22 52.0–.30 37.51N 38.44E 18–1 5.0W,4.5L
ISC Event type de.
IDC Error ellipse: s-maj=11.3km s-min=8.3km az=148.0.
MOS Error ellipse: s-maj=4.7km s-min=3.2km az=115.4.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=110.0.
ISCJB Event type de. Error ellipse: s-maj=1.6km s-min=1.3km az=42.9.
NEIC Event type de. Minor damage in the Adiyaman area. After ISK.
NSSC Event type se.
NIC Moment Tensor Solution. $M_0$1.20000×10^{14}
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s25,c26; s77,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35±.13 $M_{\theta\theta}$-3.27±.12; $M_{\phi\phi}$3.62±.12; $M_{r\theta}$0.84±.29; $M_{\theta\phi}$-0.59±.10; $M_{\phi r}$0.05±.24; Best double couple: NP1:ϕ_s219.00000°,δ79.00000°,λ-10.00000°. NP2:ϕ_s311.00000°,δ80.00000°,λ-169.00000°. Principal axes: T 3.6700,Plg0.0000° ,Azm85.0000°; N -0.1300,Plg75.0000°,Azm354.0000°; P -3.5400,Plg15.0000° ,Azm175.0000° $M_0$3.60000×10^{16}
ISC IX 03 02 25 17.3–.51 37.47N–.02 38.58E–.02 2–4 4.1b 139 0-78
DDA IX 03 02 25 16.9 37.49N 38.54E 4–3 3.4 ¶11660496
ISCJB IX 03 02 25 16.6–.54 37.48N–.02 38.58E–.02 2–4 4.1b
CSEM IX 03 02 25 17.2–.13 37.48N 38.57E 2 3.4
ISK IX 03 02 25 17.7 37.54N 38.49E 9 3.3
NEIC IX 03 02 25 17.0 37.55N 38.47E 8 3.3
NSSC IX 03 02 25 18 37.45N 38.65E 9–3 3.3
IDC IX 03 02 25 19.9–6.2 37.31N 38.42E 23–37 4.1,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=155.2.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=125.0.
NEIC Event type se. After ISK.
NSSC Event type se.
IDC Error ellipse: s-maj=63.8km s-min=23.7km az=18.0.
CSEM IX 03 05 04 34.9–.65 38.31N 39.25E 10 2.4
ISK IX 03 05 04 34.0 38.27N 39.27E 15 2.4 ¶11660499
DDA IX 03 05 04 35.5 38.32N 39.19E 7–1 2.5
CSEM Event type ke. Error ellipse: s-maj=14.9km s-min=6.8km az=150.0.
ISC IX 03 05 41 48.3–.93 37.40N–.04 38.63E–.04 1–6 42 0-2
DDA IX 03 05 41 47.1 37.38N 38.64E 7–5 2.8 ¶11660500
ISCJB IX 03 05 41 49.0–.58 37.43N–.04 38.62E–.04 10 2.8
CSEM IX 03 05 41 49.6–.29 37.49N 38.54E 5 2.8
ISK IX 03 05 41 50.5 37.57N 38.49E 11 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.6km az=148.5.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=2.6km az=131.0.
ISC IX 03 08 39 38.5–.92 39.07N–.04 27.49E–.06 10 26 0-1
ISK IX 03 08 39 37.6 39.05N 27.62E 5 2.7 ¶11660501
CSEM IX 03 08 39 37.7–.59 39.07N 27.48E 10 2.8
ISCJB IX 03 08 39 38.1–.89 39.06N–.04 27.48E–.06 10 2.8
DDA IX 03 08 39 38.4 39.13N 27.57E 7–5 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=8.6km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.2km az=177.5.
ISC IX 03 10 12 54.2–.63 37.88N–.03 27.10E–.05 0–5 59 0-3
DDA IX 03 10 12 50.6 37.89N 27.05E 7–4 2.9 ¶11660506
ATH IX 03 10 12 51.5 37.71N 27.16E 13 3.1
ISCJB IX 03 10 12 54.1–.48 37.87N–.02 27.08E–.05 10 3.1
ISK IX 03 10 12 54.8 37.92N 27.19E 8 2.8
CSEM IX 03 10 12 55.0–.29 37.91N 27.20E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.4km az=170.3.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.4km az=70.0.
ISC IX 03 10 15 31.4–.62 37.91N–.03 27.16E–.05 7–7 32 0-2
ISCJB IX 03 10 15 30.7–.83 37.90N–.03 27.12E–.06 5–8 ¶11660507
ISK IX 03 10 15 30.8 37.91N 27.19E 5 2.6
CSEM IX 03 10 15 31.0–.27 37.92N 27.16E 5 2.6
ATH IX 03 10 15 32.4 37.83N 26.95E 26 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.9km az=2.8.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=5.9km az=86.0.
ISC IX 03 10 25 43.9–.50 37.90N–.02 27.09E–.03 3–4 106 0-4
ATH IX 03 10 25 42.6 37.61N 26.93E 38–1 3.1 ¶11660508
DDA IX 03 10 25 43.1 37.92N 27.11E 14–2 3.0
ISK IX 03 10 25 43.6 37.91N 27.14E 5 3.2L
ISCJB IX 03 10 25 44.0–.31 37.88N–.02 27.09E–.03 10 3.2L
CSEM IX 03 10 25 44.1–.15 37.90N 27.14E 5 3.2L
ISC Event type ke.
ATH Error ellipse: s-maj=4.4km s-min=2.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=169.5.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=75.0.
ISC IX 03 10 27 02.4–.45 37.88N–.02 27.13E–.03 11–4 88 0-4
ISCJB IX 03 10 27 01.5–.61 37.87N–.02 27.12E–.03 6–5 ¶11660509
DDA IX 03 10 27 01.7 37.92N 27.10E 5–6 3.1
ATH IX 03 10 27 01.0 37.89N 27.21E 10 3.0
ISK IX 03 10 27 01.2 37.88N 27.15E 8 3.1
CSEM IX 03 10 27 02.1–.16 37.87N 27.12E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=163.3.
ATH Error ellipse: s-maj=1.8km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=69.0.
ISC IX 03 18 01 04.7–.51 37.11N–.04 28.96E–.03 12–5 50 0-2
DDA IX 03 18 01 03.9 37.12N 28.99E 7–4 3.0 ¶11660526
ISK IX 03 18 01 03.8 37.14N 28.96E 12 2.7
ISCJB IX 03 18 01 04.2–.62 37.13N–.03 28.95E–.03 2–6 2.7
CSEM IX 03 18 01 04.2–.21 37.13N 28.96E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=1.8.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.6km az=2.0.
ISC IX 03 22 04 58.2–.87 39.58N–.06 37.61E–.05 2–11 22 0-2
ISK IX 03 22 04 56.1 39.48N 37.52E 4 2.7 ¶11660529
CSEM IX 03 22 04 57.4–.25 39.56N 37.59E 5 2.8
DDA IX 03 22 04 57.4 39.57N 37.60E 7–1 2.8
ISCJB IX 03 22 04 58.2–.67 39.61N–.06 37.61E–.05 10 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 04 03 03 14.9–.47 38.81N–.03 39.03E–.04 9–7 37 0-2
ISCJB IX 04 03 03 14.6–.52 38.81N–.03 39.02E–.04 4–7 ¶11660533
CSEM IX 04 03 03 14.2–.16 38.81N 39.04E 15 2.6
DDA IX 04 03 03 14.3 38.81N 39.01E 7–3 2.9
ISK IX 04 03 03 14.0 38.81N 39.02E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=25.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=106.0.
ISC IX 04 04 20 34.3–.44 37.00N–.02 29.08E–.02 5–3 109 0-4
DDA IX 04 04 20 33.0 36.98N 29.15E 7–5 3.4 ¶11660535
ISK IX 04 04 20 33.8 37.05N 29.10E 7 3.3
ATH IX 04 04 20 33.5 36.98N 29.09E 19 3.4
CSEM IX 04 04 20 33.7–.15 37.00N 29.08E 2 3.3
ISCJB IX 04 04 20 34.3–.31 37.00N–.02 29.10E–.02 10 3.3
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 04 04 54 23.5–.56 36.95N–.04 29.11E–.03 6–5 55 0-3
ISK IX 04 04 54 21.5 36.97N 29.11E 5 2.7 ¶11660536
ISCJB IX 04 04 54 23.4–.47 36.95N–.04 29.13E–.03 10 2.7
DDA IX 04 04 54 23.6 36.99N 29.15E 8–5 3.0
CSEM IX 04 04 54 23.1–.21 36.97N 29.11E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=2.6.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=6.0.
ISC IX 04 10 03 22.0–.69 39.43N–.07 28.11E–.06 34–4 38 0-2
ISK IX 04 10 03 17.4 39.20N 28.09E 25 2.3 ¶11660541
CSEM IX 04 10 03 21.8–.43 39.47N 28.05E 30 2.8
ISCJB IX 04 10 03 22.1–.67 39.46N–.07 28.09E–.06 32–5 2.8
DDA IX 04 10 03 23.1 39.45N 28.16E 7–3 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.8km s-min=7.2km az=28.0.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=5.3km az=31.4.
CSEM IX 04 14 29 05.4–.55 37.68N 34.73E 5 2.3
DDA IX 04 14 29 03.7 37.61N 34.65E 6–2 2.8 ¶11660545
ISK IX 04 14 29 04.0 37.70N 34.72E 3 2.3
CSEM Event type ke. Error ellipse: s-maj=15.7km s-min=7.2km az=78.0.
ISC IX 04 15 50 19.0–.54 38.83N–.05 29.41E–.05 10 42 0-2
ISCJB IX 04 15 50 18.7–.54 38.84N–.05 29.41E–.05 10 ¶11660548
CSEM IX 04 15 50 18.4–.37 38.79N 29.43E 2 2.7
DDA IX 04 15 50 21.1 38.59N 28.60E 7–4 2.7
ISK IX 04 15 50 24.4 38.79N 30.04E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.7km az=25.4.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=7.4km az=19.0.
ISC IX 04 18 40 08.1–.65 36.96N–.04 29.10E–.04 7–7 34 0-1
ISCJB IX 04 18 40 07.8–.63 36.95N–.04 29.11E–.03 10 ¶11660550
CSEM IX 04 18 40 07.5–.30 36.95N 29.11E 8 2.6
DDA IX 04 18 40 07.8 36.98N 29.14E 6–4 2.8
ISK IX 04 18 40 07.2 37.03N 29.12E 23 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=7.5.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.0km az=10.0.
ISC IX 04 22 54 32.7–.47 37.43N–.01 38.60E–.02 5–3 3.6b 333 0-33
DDA IX 04 22 54 31.6 37.46N 38.58E 24–1 4.8L ¶11232482
ISK IX 04 22 54 32.3 37.45N 38.56E 11 4.3L
NEIC IX 04 22 54 32.3 37.47N 38.54E 10 4.3L
ISCJB IX 04 22 54 32.3–.51 37.43N–.01 38.60E–.02 11–3 3.6b
IDC IX 04 22 54 32.3–.77 37.49N 38.62E 0 3.7,3.7b
NSSC IX 04 22 54 33 37.50N 38.62E 12–1 3.7,3.7b
CSEM IX 04 22 54 33.2–.09 37.47N 38.57E 5 4.3L,3.7b
ISC Event type fe.
NEIC Event type se. After ISK.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.9km az=38.2.
IDC Error ellipse: s-maj=14.6km s-min=10.0km az=139.0.
NSSC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=115.0.
ISC IX 05 01 19 59.8–.50 37.08N–.04 29.16E–.03 12–5 45 0-2
ISK IX 05 01 19 58.9 37.12N 29.14E 7 2.8 ¶11660556
ISCJB IX 05 01 19 59.4–.59 37.08N–.04 29.15E–.03 8–6 2.8
CSEM IX 05 01 19 59.4–.21 37.10N 29.17E 10 2.8
DDA IX 05 01 19 59.4 37.06N 29.17E 7–5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.1km az=20.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=14.0.
ISC IX 05 01 57 35.3–.51 40.01N–.03 39.75E–.03 12–4 63 0-2
DDA IX 05 01 57 34.1 40.04N 39.77E 25–2 3.5L,3.2 ¶11660557
ISK IX 05 01 57 34.2 39.99N 39.82E 8 2.9,3.2
CSEM IX 05 01 57 34.9–.17 40.00N 39.75E 10 3.5L,3.2
ISCJB IX 05 01 57 35.1–.62 40.01N–.02 39.76E–.03 12–5 3.5L,3.2
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 05 02 04 12.4–.52 39.22N–.03 29.40E–.03 6–5 48 0-2
DDA IX 05 02 04 11.8 39.22N 29.39E 10–4 2.9 ¶11660558
ISCJB IX 05 02 04 12.1–.67 39.21N–.03 29.39E–.03 6–6 2.9
CSEM IX 05 02 04 12.2–.14 39.22N 29.42E 2 2.9
ISK IX 05 02 04 13.3 39.13N 29.35E 21 2.7
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=112.0.
ISC IX 05 02 10 42.2–.50 36.99N–.03 29.16E–.03 13–4 61 0-3
DDA IX 05 02 10 40.9 36.97N 29.14E 25–2 3.1 ¶11660559
ISCJB IX 05 02 10 41.7–.60 36.98N–.03 29.15E–.03 9–5 3.1
CSEM IX 05 02 10 41.8–.17 36.98N 29.18E 12 2.9
ISK IX 05 02 10 41.5 36.98N 29.16E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=177.4.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=4.0.
ISC IX 05 02 19 14.8–.67 36.98N–.05 29.04E–.04 4–10 34 0-1
ISCJB IX 05 02 19 14.6–.64 36.96N–.05 29.06E–.04 10 ¶11660561
DDA IX 05 02 19 14.7 36.97N 29.12E 7–4 2.8
ISK IX 05 02 19 14.3 37.02N 29.05E 11 2.6
CSEM IX 05 02 19 14.5–.25 36.97N 29.06E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=179.7.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=6.0.
ISC IX 05 03 55 34.6–.49 37.04N–.03 29.15E–.04 13–5 47 0-2
DDA IX 05 03 55 32.7 36.97N 29.13E 7–5 2.9 ¶11660564
ISCJB IX 05 03 55 33.9–.57 37.01N–.03 29.14E–.03 7–6 2.9
ISK IX 05 03 55 33.7 37.05N 29.14E 11 2.6
CSEM IX 05 03 55 33.7–.24 37.01N 29.16E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=7.1.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=2.0.
ISC IX 05 03 55 43.3–.58 37.53N–.04 35.71E–.04 17–4 28 0-2
DDA IX 05 03 55 42.2 37.55N 35.68E 7–7 2.8 ¶11660565
ISK IX 05 03 55 42.3 37.57N 35.69E 11 2.3
ISCJB IX 05 03 55 43.4–.56 37.52N–.04 35.71E–.04 17–6 2.3
CSEM IX 05 03 55 43.0–.11 37.51N 35.72E 16–1 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.4km az=0.7.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=165.0.
ISC IX 05 04 26 25.6–.69 37.02N–.03 29.21E–.04 2–12 32 0-1
DDA IX 05 04 26 23.1 36.99N 29.22E 7–5 3.0 ¶11660566
CSEM IX 05 04 26 24.3–.50 36.98N 29.24E 2 2.3
ISK IX 05 04 26 24.1 37.37N 29.22E 6 2.3
ISCJB IX 05 04 26 25.6–.66 37.04N–.04 29.22E–.04 12–6 2.3
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 05 04 57 41.1–.46 39.14N–.02 37.92E–.03 6–5 53 0-2
DDA IX 05 04 57 39.6 39.14N 37.92E 5–1 3.3,3.3L ¶11660567
ISK IX 05 04 57 39.8 39.11N 37.86E 11 2.8,3.3L
ISCJB IX 05 04 57 41.0–.39 39.13N–.02 37.91E–.03 10 2.8,3.3L
CSEM IX 05 04 57 40.2–.09 39.13N 37.86E 8 3.3L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=148.3.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=48.0.
ISC IX 05 05 03 39.4–.47 37.00N–.03 29.16E–.04 11–6 43 0-2
DDA IX 05 05 03 37.7 36.97N 29.14E 7–4 3.1 ¶11660568
ISCJB IX 05 05 03 39.7–.46 37.02N–.03 29.20E–.05 20–8 3.1
ISK IX 05 05 03 39.5 37.08N 29.14E 8 2.6
CSEM IX 05 05 03 39.4–.33 37.06N 29.24E 20 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.3km az=140.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=6.6km az=8.0.
ISC IX 05 12 20 23.4–.51 37.69N–.03 38.15E–.05 10–5 36 0-3
ISCJB IX 05 12 20 22.9–.52 37.70N–.03 38.13E–.04 5–6 ¶11660572
DDA IX 05 12 20 22.6 37.67N 38.11E 7–6 2.8
ISK IX 05 12 20 23.3 37.74N 38.09E 13 2.7
CSEM IX 05 12 20 23.0–.23 37.67N 38.17E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.8km az=37.1.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=3.7km az=128.0.
ISC IX 05 15 26 14.5–.74 37.48N–.06 35.08E–.05 13–10 28 0-2
ISK IX 05 15 26 12.0 37.55N 35.02E 4 2.7 ¶11660573
ISCJB IX 05 15 26 13.9–.81 37.51N–.05 35.06E–.05 3–9 2.7
DDA IX 05 15 26 13.6 37.51N 35.08E 7–4 2.8
CSEM IX 05 15 26 13.6–.24 37.52N 35.05E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=6.1km az=150.9.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.9km az=5.0.
ISC IX 05 15 49 12.2–.49 37.44N–.02 38.60E–.02 4–4 113 0-4
ISCJB IX 05 15 49 11.6–.54 37.44N–.02 38.59E–.02 2–4 ¶11660574
DDA IX 05 15 49 11.8 37.47N 38.57E 7–4 3.2
CSEM IX 05 15 49 12.3–.15 37.47N 38.58E 2 3.2
ISK IX 05 15 49 12.8 37.51N 38.47E 9 3.3
NSSC IX 05 15 49 14 37.40N 38.69E 9–3 3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=151.6.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=118.0.
NSSC Event type fe.
ISC IX 05 19 55 29.9–.72 38.70N–.03 39.24E–.06 10 18 0-1
ISCJB IX 05 19 55 29.6–.71 38.69N–.03 39.24E–.06 10 ¶11660577
ISK IX 05 19 55 29.0 38.69N 39.22E 6 2.2
DDA IX 05 19 55 29.6 38.71N 39.22E 6–0 2.6
CSEM IX 05 19 55 29.0–.12 38.69N 39.24E 15 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.7km az=12.7.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=95.0.
ISC IX 06 01 08 54.9–.46 37.35N–.02 27.02E–.04 9–8 54 0-2
ISK IX 06 01 08 53.7 37.32N 27.00E 4 2.6 ¶11660583
ISCJB IX 06 01 08 54.8–.63 37.34N–.03 27.06E–.04 9–6 2.6
DDA IX 06 01 08 54.5 37.37N 27.04E 7–5 2.9
CSEM IX 06 01 08 54.4–.15 37.34N 27.00E 8 2.6
THE IX 06 01 08 55.0 37.33N 27.17E 10–8 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=172.8.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=62.0.
THE Event type ke. Error ellipse: s-maj=9.5km s-min=1.0km az=110.0.
ISC IX 06 12 08 12.0–.52 37.03N–.03 29.20E–.04 10–5 49 0-2
ISCJB IX 06 12 08 11.5–.61 37.02N–.03 29.20E–.03 6–7 ¶11660590
CSEM IX 06 12 08 11.4–.25 37.02N 29.21E 10 2.7
DDA IX 06 12 08 11.2 37.01N 29.20E 7–4 2.9
ISK IX 06 12 08 11.1 37.07N 29.19E 14 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=10.6.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=5.0.
ISC IX 06 15 36 22.1–1.5 41.71N–.06 35.13E–.08 2–8 29 0-2
CSEM IX 06 15 36 22.3–.66 41.70N 35.11E 2 2.4 ¶11660595
ISK IX 06 15 36 23.2 41.65N 35.00E 14 2.4
DDA IX 06 15 36 28.9 41.47N 34.56E 7–12 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=8.4km az=32.0.
ISC IX 06 15 36 38.0–.54 37.91N–.03 27.06E–.05 7–7 40 0-3
ISCJB IX 06 15 36 37.5–.59 37.90N–.03 27.06E–.05 5–6 ¶11660596
DDA IX 06 15 36 37.5 37.92N 27.09E 7–4 3.0
ISK IX 06 15 36 37.1 37.91N 27.02E 8 2.8
CSEM IX 06 15 36 37.8–.16 37.91N 27.04E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.0km az=163.2.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=75.0.
ISC IX 06 21 52 21.9–1.3 38.29N–.08 38.80E–.05 16–9 26 0-1
ISCJB IX 06 21 52 21.9–.96 38.29N–.07 38.81E–.05 11–7 ¶11660598
CSEM IX 06 21 52 21.6–.21 38.30N 38.81E 15 2.7
ISK IX 06 21 52 21.2 38.31N 38.79E 18 2.6
DDA IX 06 21 52 22.2 38.32N 38.78E 7–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=4.9km az=158.2.

CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=2.4km az=164.0.
ISC IX 06 23 31 25.8–.55 38.08N–.04 27.24E–.06 12–9 24 0-1
ISCJB IX 06 23 31 25.3–.55 38.08N–.04 27.24E–.06 3–10 ¶11660599
DDA IX 06 23 31 25.4 38.06N 27.21E 7–2 2.8
ISK IX 06 23 31 25.2 38.08N 27.25E 11 2.6
CSEM IX 06 23 31 25.7–.15 38.08N 27.25E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.4km az=146.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.2km az=68.0.
ISC IX 06 23 58 47.3–.25 40.68N–.02 32.83E–.02 10 116 0-5
DDA IX 06 23 58 45.5 40.70N 32.79E 7–3 3.9L ¶11660600
ISK IX 06 23 58 45.2 40.64N 32.82E 5 3.8L
ISCJB IX 06 23 58 46.6–.25 40.68N–.02 32.83E–.02 10 3.8L
CSEM IX 06 23 58 46.5–.10 40.67N 32.83E 2 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=179.2.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=179.0.
ISC IX 07 00 42 44.3–.48 40.70N–.03 32.83E–.03 8–5 44 1-2
ISCJB IX 07 00 42 43.8–.55 40.71N–.03 32.83E–.03 4–6 ¶11660601
DDA IX 07 00 42 43.4 40.71N 32.86E 7–7 2.9
ISK IX 07 00 42 44.4 40.75N 32.92E 13 2.7
CSEM IX 07 00 42 44.1–.12 40.69N 32.85E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.3km az=175.4.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=76.0.
ISC IX 07 01 01 08.9–.46 40.68N–.03 32.80E–.03 11–5 52 1-2
ISCJB IX 07 01 01 08.4–.52 40.68N–.03 32.81E–.03 7–5 ¶11660603
CSEM IX 07 01 01 08.3–.07 40.70N 32.79E 10 3.0
DDA IX 07 01 01 08.2 40.70N 32.80E 5–3 3.0
ISK IX 07 01 01 08.4 40.68N 32.84E 16 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=173.6.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=153.0.
ISC IX 07 02 23 55.3–1.3 37.44N–.06 38.57E–.05 4–7 27 0-2
DDA IX 07 02 23 54.2 37.45N 38.60E 8–7 2.9 ¶11660604
ISCJB IX 07 02 23 55.5–1.3 37.46N–.06 38.56E–.05 5–7 2.9
ISK IX 07 02 23 55.6 37.46N 38.58E 7 2.7
CSEM IX 07 02 23 55.6–.45 37.47N 38.58E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.6km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=6.4km az=150.0.
ISC IX 07 12 47 39.0–.37 39.52N–.02 32.65E–.02 0–3 244 0-5
DDA IX 07 12 47 37.7 39.48N 32.65E 18–1 4.0L,3.8 ¶11660607
ISK IX 07 12 47 37.2 39.51N 32.65E 5 3.9L,3.8
ISCJB IX 07 12 47 38.9–.17 39.51N–.02 32.65E–.01 10 3.9L,3.8
CSEM IX 07 12 47 38.9–.09 39.52N 32.64E 2 3.9L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=5.4.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=3.0.
ISC IX 07 19 19 12.4–.34 37.89N–.03 37.32E–.03 10 62 1-3
ISK IX 07 19 19 10.5 37.93N 37.27E 5 3.3 ¶11660611
ISCJB IX 07 19 19 11.8–.34 37.91N–.03 37.32E–.03 10 3.3
DDA IX 07 19 19 11.8 37.92N 37.30E 12–0 3.3
CSEM IX 07 19 19 11.7–.15 37.92N 37.29E 2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=140.3.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=137.0.
ISC IX 07 20 47 54.0–.39 39.88N–.02 43.29E–.04 10 43 0-3
ISK IX 07 20 47 51.6 39.92N 43.35E 3 3.0 ¶11660613
DDA IX 07 20 47 52.1 39.91N 43.26E 8–3 3.1
CSEM IX 07 20 47 52.0–.27 39.94N 43.36E 2 3.0
ISCJB IX 07 20 47 53.6–.40 39.87N–.02 43.26E–.04 10 3.0
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 07 23 05 41.6–.62 39.38N–.03 33.14E–.04 2–6 48 0-3
DDA IX 07 23 05 40.9 39.37N 33.16E 7–1 2.9 ¶11660615
ISK IX 07 23 05 40.9 39.41N 33.16E 4 2.9
ISCJB IX 07 23 05 41.9–.39 39.41N–.03 33.14E–.04 10 2.9
CSEM IX 07 23 05 41.8–.09 39.40N 33.14E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=161.0.
ISC IX 08 01 55 24.6–.77 40.86N–.04 41.87E–.05 1–11 35 0-2
ISK IX 08 01 55 23.4 40.90N 41.87E 2 2.8 ¶11660619
ISCJB IX 08 01 55 24.2–.71 40.86N–.04 41.87E–.05 3–9 2.8
DDA IX 08 01 55 24.1 40.88N 41.86E 7–2 2.8
CSEM IX 08 01 55 24.1–.15 40.86N 41.88E 0–1 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=6.1km az=33.8.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=62.0.
ISC IX 08 02 06 57.0–.66 39.38N–.05 33.15E–.07 15–9 31 0-2
ISK IX 08 02 06 55.9 39.46N 33.17E 14 2.7 ¶11660620
ISCJB IX 08 02 06 56.8–.51 39.38N–.04 33.19E–.05 10 2.7
DDA IX 08 02 06 56.3 39.33N 33.23E 7–2 2.8
CSEM IX 08 02 06 56.6–.10 39.37N 33.14E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.8km az=140.6.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=30.0.
ISC IX 08 07 03 27.0–.44 37.50N–.03 36.20E–.03 6–4 47 0-2
ISK IX 08 07 03 25.6 37.37N 36.21E 6 2.8 ¶11660622
DDA IX 08 07 03 26.7 37.56N 36.25E 16–2 3.0
CSEM IX 08 07 03 26.6–.20 37.51N 36.20E 5 3.0
ISCJB IX 08 07 03 27.1–.44 37.50N–.04 36.20E–.03 10 3.0
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 08 10 05 17.8–.42 37.92N–.02 27.04E–.04 13–4 58 0-2
ATH IX 08 10 05 13.2 37.75N 26.24E 10–2 3.3 ¶11660624
ISK IX 08 10 05 16.8 37.91N 27.02E 13 2.9
ISCJB IX 08 10 05 17.1–.52 37.91N–.02 27.01E–.04 8–5 2.9
DDA IX 08 10 05 17.7 37.92N 27.10E 7–4 3.0
CSEM IX 08 10 05 17.4–.18 37.92N 27.02E 10 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=80.0.
ISC IX 08 11 06 58.1–.69 36.98N–.05 29.24E–.05 9–11 26 0-1
ISK IX 08 11 06 56.8 37.13N 29.30E 14 2.7 ¶11660625
ISCJB IX 08 11 06 57.9–.59 36.98N–.04 29.26E–.04 10 2.7
CSEM IX 08 11 06 57.5–.32 37.01N 29.27E 10 2.7
DDA IX 08 11 06 57.5 36.96N 29.20E 7–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=14.6.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.2km az=23.0.
ISC IX 08 14 37 22.3–.95 38.69N–.04 39.25E–.09 16–8 24 0-3
ISK IX 08 14 37 21.8 38.69N 39.23E 12 2.9 ¶11660626
ISCJB IX 08 14 37 22.4–.80 38.68N–.04 39.25E–.08 11–9 2.9
CSEM IX 08 14 37 22.3–.14 38.69N 39.24E 10 2.9
DDA IX 08 14 37 22.9 38.69N 39.19E 7–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.4km az=23.3.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=110.0.
ISC IX 08 16 20 15.2–.63 37.50N–.04 35.11E–.05 10 26 0-2
ISCJB IX 08 16 20 14.9–.61 37.48N–.03 35.12E–.04 10 ¶11660628
CSEM IX 08 16 20 14.7–.11 37.49N 35.09E 2 2.7
DDA IX 08 16 20 14.8 37.51N 35.07E 7–4 2.9
ISK IX 08 16 20 15.0 37.28N 35.23E 19 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.7km az=34.4.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=117.0.

ISC	**IX**	**08 18 37 01.1–.55**	**40.82N–.04**	**31.90E–.03**	**2–6**		**47**	**0-2**
DDA	IX	08 18 37 00.6	40.79N	31.94E	7–2	3.0		¶11660629
ISK	IX	08 18 37 00.5	40.85N	31.79E	5	3.0		
ISCJB	IX	08 18 37 01.4–.43	40.83N–.04	31.87E–.03	10	3.0		
CSEM	IX	08 18 37 01.3–.18	40.84N	31.83E	2	3.0		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=162.8.						
CSEM		Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=162.0.						
ISC	**IX**	**08 21 07 25.1–.28**	**37.87N–.02**	**27.07E–.03**	**10**		**133**	**0-4**
DDA	IX	08 21 07 23.5	37.92N	27.11E	10–4	3.3		¶11660632
ISK	IX	08 21 07 23.6	37.91N	27.12E	5	3.4		
ATH	IX	08 21 07 23.1	37.83N	27.16E	24–2	3.6		
CSEM	IX	08 21 07 24.7–.14	37.89N	27.10E	2	3.3		
ISCJB	IX	08 21 07 24.6–.27	37.88N–.02	27.08E–.03	10	3.3		
THE	IX	08 21 07 25.3	37.98N	27.08E	2–2	3.4L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=1.7km s-min=3.7km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=65.0.						
ISCJB		Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=154.5.						
THE		Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=51.0.						
ISC	**IX**	**08 21 38 07.9–.92**	**37.92N–.03**	**27.09E–.10**	**11–8**		**26**	**0-1**
ISCJB	IX	08 21 38 07.6–.88	37.92N–.03	27.10E–.10	9–8			¶11660634
DDA	IX	08 21 38 08.0	37.93N	27.13E	7–4	3.1		
ISK	IX	08 21 38 07.4	37.93N	27.10E	11	2.8		
CSEM	IX	08 21 38 07.6–.16	37.93N	27.07E	10	3.1		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=13.0km s-min=4.7km az=166.7.						
CSEM		Event type ke. Error ellipse: s-maj=4.9km s-min=2.0km az=81.0.						
ISC	**IX**	**08 22 22 16.1–.36**	**37.67N–.03**	**36.21E–.03**	**10**		**62**	**0-3**
ISK	IX	08 22 22 13.8	37.71N	36.19E	5	3.4		¶11660635
DDA	IX	08 22 22 14.8	37.71N	36.21E	10–2	3.6		
ISCJB	IX	08 22 22 15.5–.36	37.69N–.03	36.21E–.03	10	3.6		
CSEM	IX	08 22 22 15.3–.06	37.69N	36.20E	2	3.6		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=13.0.						
CSEM		Event type ke. Error ellipse: s-maj=1.6km s-min=1.5km az=128.0.						
ISC	**IX**	**08 22 45 07.1–.41**	**37.91N–.02**	**27.09E–.03**	**3–3**		**94**	**0-3**
ATH	IX	08 22 45 04.1	37.81N	27.31E	20–4	3.3		¶11660636
ISK	IX	08 22 45 05.5	37.90N	27.10E	5	3.2		
ISCJB	IX	08 22 45 06.3–.48	37.89N–.02	27.06E–.03	2–4	3.2		
DDA	IX	08 22 45 06.7	37.92N	27.12E	10–4	3.1		
CSEM	IX	08 22 45 06.8–.14	37.89N	27.08E	5	3.1		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=3.8km s-min=6.3km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=161.6.						
CSEM		Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=72.0.						
ISC	**IX**	**09 00 41 18.0–.34**	**39.78N–.02**	**26.58E–.02**	**6–3**		**164**	**0-7**
ATH	IX	09 00 41 16.8	39.76N	26.66E	23–1	3.5		¶11660638
DDA	IX	09 00 41 17.2	39.79N	26.60E	7–9	3.3		
SOF	IX	09 00 41 17.8	39.82N	26.37E	10	2.8		
NEIC	IX	09 00 41 17.1	39.80N	26.58E	4	3.5,3.2		
ISK	IX	09 00 41 17.3	39.80N	26.58E	4	3.2,3.2		
ISCJB	IX	09 00 41 17.5–.37	39.78N–.02	26.57E–.02	5–3	3.2,3.2		
THE	IX	09 00 41 17.7	39.77N	26.54E	0–1	2.7L,3.2		
CSEM	IX	09 00 41 17.8–.09	39.78N	26.57E	5	3.2,3.2		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=0.5km s-min=2.0km az=-1.0.						
NEIC		Event type se. After ISK.						
ISCJB		Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=3.3.						
THE		Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=33.0.						
CSEM		Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=31.0.						
ISC	**IX**	**09 01 19 28.8–.46**	**38.58N–.03**	**28.96E–.03**	**10**		**36**	**0-2**
ISK	IX	09 01 19 27.6	38.33N	28.84E	6	2.9		¶11660640
DDA	IX	09 01 19 27.8	38.59N	28.96E	7–5	2.9		
ISCJB	IX	09 01 19 28.2–.46	38.58N–.03	28.95E–.03	10	2.9		
CSEM	IX	09 01 19 28.7–.23	38.57N	28.96E	2	2.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=4.0km s-min=3.7km az=20.2.						
CSEM		Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=9.0.						
ISC	**IX**	**09 06 53 03.2–.40**	**39.22N–.02**	**29.41E–.03**	**5–5**		**58**	**0-2**
ISCJB	IX	09 06 53 02.8–.49	39.22N–.02	29.40E–.03	3–5			¶11660643
ISK	IX	09 06 53 02.7	39.19N	29.43E	6	2.9		
CSEM	IX	09 06 53 02.9–.12	39.23N	29.42E	2	2.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=42.9.						
CSEM		Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=138.0.						
ISC	**IX**	**09 15 44 56.1–.71**	**38.61N–.04**	**35.75E–.04**	**5–6**		**37**	**1-2**
ISCJB	IX	09 15 44 55.5–.81	38.63N–.04	35.75E–.04	1–7			¶11660651
DDA	IX	09 15 44 55.4	38.69N	35.79E	5–1	3.0		
ISK	IX	09 15 44 55.4	38.62N	35.75E	9	2.9		
CSEM	IX	09 15 44 55.5–.20	38.60N	35.75E	2	3.0		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.2km s-min=5.0km az=27.8.						
CSEM		Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=43.0.						
ISC	**IX**	**09 17 00 34.0–.51**	**38.02N–.03**	**29.07E–.04**	**12–5**		**46**	**0-2**
ISK	IX	09 17 00 30.5	38.15N	28.83E	10	3.0		¶11660654
ISCJB	IX	09 17 00 33.8–.58	38.01N–.03	29.09E–.05	9–6	3.0		
CSEM	IX	09 17 00 33.8–.24	38.03N	29.08E	10	2.9		
DDA	IX	09 17 00 33.5	37.98N	29.11E	6–1	2.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.8km s-min=4.1km az=26.2.						
CSEM		Event type ke. Error ellipse: s-maj=6.3km s-min=4.7km az=109.0.						
CSEM	**IX**	**09 21 33 39.3–.16**	**39.99N**	**39.88E**	**8**	**3.3L**		
DDA	IX	09 21 33 38.2	40.06N	39.87E	7–8	3.3L,3.0		¶14769036
ISK	IX	09 21 33 39.3	40.00N	39.94E	11	2.9,3.0		
CSEM		Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=170.0.						
ISC	**IX**	**09 23 26 08.6–.46**	**37.03N–.03**	**35.64E–.04**	**14–5**		**38**	**0-3**
ISK	IX	09 23 26 07.6	37.04N	35.63E	8	3.1		¶11660656
ISCJB	IX	09 23 26 08.1–.51	37.03N–.03	35.63E–.04	9–6	3.1		
DDA	IX	09 23 26 08.2	37.01N	35.64E	7–3	3.0		
CSEM	IX	09 23 26 08.3–.17	37.02N	35.64E	12	3.1		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.9km s-min=5.3km az=146.6.						
CSEM		Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=159.0.						
ISC	**IX**	**10 00 15 54.6–.71**	**37.92N–.02**	**27.14E–.08**	**6–10**		**32**	**0-2**
ISK	IX	10 00 15 53.5	37.90N	27.09E	6	2.6		¶11660658
ISCJB	IX	10 00 15 54.2–.71	37.91N–.02	27.16E–.08	6–8	2.6		
CSEM	IX	10 00 15 54.3–.20	37.92N	27.12E	5	2.8		
DDA	IX	10 00 15 54.2	37.92N	27.18E	7–6	2.8		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=10.0km s-min=4.0km az=173.4.						
CSEM		Event type ke. Error ellipse: s-maj=5.6km s-min=2.8km az=87.0.						
ISC	**IX**	**10 10 15 49.2–.67**	**37.05N–.05**	**30.11E–.05**	**18–7**		**23**	**0-1**
ISCJB	IX	10 10 15 49.0–.66	37.06N–.04	30.11E–.05	12–8			¶11660661
ISK	IX	10 10 15 48.3	37.02N	30.09E	23	2.7		
CSEM	IX	10 10 15 49.1–.25	37.04N	30.09E	15	3.1		
DDA	IX	10 10 15 51.8	37.19N	29.86E	7–6	3.1		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=7.4km s-min=7.1km az=156.7.						
CSEM		Event type ke. Error ellipse: s-maj=6.2km s-min=5.3km az=152.0.						
ISC	**IX**	**10 15 36 45.3–1.0**	**37.05N–.07**	**37.16E–.05**	**10**		**26**	**0-2**
ISK	IX	10 15 36 44.4	37.14N	37.06E	3	2.9		¶11660665
ISCJB	IX	10 15 36 45.3–.96	37.05N–.06	37.15E–.05	10	2.9		
CSEM	IX	10 15 36 45.1–.48	37.06N	37.11E	2	2.8		
DDA	IX	10 15 36 46.2	37.12N	37.17E	7–7	2.8		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=9.6km s-min=5.4km az=161.3.						
CSEM		Event type ke. Error ellipse: s-maj=12.1km s-min=6.9km az=160.0.						
ISC	**IX**	**11 01 40 37.8–.71**	**39.81N–.04**	**41.59E–.04**	**2–8**		**35**	**0-2**
CSEM	IX	11 01 40 36.8–.14	39.84N	41.62E	2	3.2		¶11660667
ISK	IX	11 01 40 36.7	39.77N	41.57E	5	3.0		
ISCJB	IX	11 01 40 37.9–.82	39.81N–.04	41.58E–.04	7–7	3.0		
DDA	IX	11 01 40 37.0	39.80N	41.56E	11–3	3.2		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=179.0.						
ISCJB		Event type ke. Error ellipse: s-maj=7.0km s-min=4.8km az=156.5.						
ISC	**IX**	**11 02 26 00.3–.42**	**38.89N–.03**	**27.93E–.03**	**6–5**		**39**	**0-2**
ISCJB	IX	11 02 25 59.8–.57	38.89N–.03	27.94E–.03	1–6			¶11660668
CSEM	IX	11 02 25 59.8	38.88N	27.93E	6	2.9		
DDA	IX	11 02 25 59.8	38.88N	27.93E	6–2	2.9		
ISK	IX	11 02 25 59.7	38.90N	27.90E	7	2.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=151.6.						
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.						
ISK	**IX**	**11 07 04 43.9**	**37.09N**	**28.25E**	**17**	**2.4**		
DDA	IX	11 07 04 42.1	36.93N	28.01E	7–4	2.6		¶11660670
CSEM	IX	11 07 04 42.4–.37	37.02N	28.39E	15	2.4		
CSEM		Event type ke. Error ellipse: s-maj=8.1km s-min=6.5km az=37.0.						
ISC	**IX**	**11 08 12 56.2–.39**	**40.02N–.02**	**39.88E–.02**	**7–3**		**96**	**0-4**
DDA	IX	11 08 12 54.8	40.06N	39.86E	18–1	3.4		¶11660672
ISCJB	IX	11 08 12 55.4–.42	40.03N–.02	39.88E–.02	3–4	3.4		
ISK	IX	11 08 12 55.1	40.00N	39.90E	5	3.5		
CSEM	IX	11 08 12 55.5–.17	40.01N	39.92E	2	3.4		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=163.6.						
CSEM		Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=163.0.						
ISC	**IX**	**11 08 34 00.6–.19**	**39.44N–.02**	**33.06E–.02**	**10**	**3.7b**	**199**	**0-36**
DDA	IX	11 08 33 58.2	39.43N	33.06E	14–1	4.0L		¶11660673
ISK	IX	11 08 33 58.3	39.40N	33.07E	2	4.1L		
NEIC	IX	11 08 33 58.0	39.41N	33.07E	5	4.1L		
CSEM	IX	11 08 33 59.6–.11	39.44N	33.06E	2	4.1L		
ISCJB	IX	11 08 33 59.6–.20	39.44N–.02	33.07E–.02	10	3.7b		
IDC	IX	11 08 34 00.3–1.5	39.48N	33.16E	0	3.8,3.7b		
ISC		Event type ke.						
NEIC		Event type se. After ISK.						
CSEM		Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=4.0.						
ISCJB		Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=177.8.						
IDC		Error ellipse: s-maj=27.1km s-min=10.5km az=157.0.						
ISC	**IX**	**11 09 48 33.9–1.0**	**39.42N–.05**	**33.01E–.05**	**4–11**		**36**	**0-2**
ISCJB	IX	11 09 48 33.4–.85	39.41N–.04	33.03E–.04	0–7			¶11660675
CSEM	IX	11 09 48 33.6–.27	39.43N	33.01E	2	2.7		
ISK	IX	11 09 48 33.0	39.45N	33.07E	2	2.7		
DDA	IX	11 09 48 35.4	39.50N	33.16E	6–1	2.8		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=38.9.						
CSEM		Event type ke. Error ellipse: s-maj=6.8km s-min=5.7km az=7.0.						
ISC	**IX**	**11 10 27 09.6–.72**	**37.50N–.07**	**35.05E–.05**	**11–10**		**29**	**0-2**
ISK	IX	11 10 27 07.7	37.55N	35.04E	9	2.6		¶11660678
DDA	IX	11 10 27 08.7	37.52N	35.09E	7–4	2.9		
ISCJB	IX	11 10 27 09.3–.73	37.50N–.05	35.06E–.05	8–10	2.9		
CSEM	IX	11 10 27 09.1–.22	37.50N	35.02E	10	2.6		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=9.4km s-min=5.8km az=156.9.						
CSEM		Event type ke. Error ellipse: s-maj=5.5km s-min=4.8km az=80.0.						
ISC	**IX**	**11 12 38 36.6–.45**	**40.56N–.03**	**33.94E–.04**	**6–6**		**38**	**0-1**
DDA	IX	11 12 38 35.8	40.56N	33.94E	7–3	2.9		¶11660683
ISK	IX	11 12 38 35.3	40.56N	33.95E	5	2.5		
ISCJB	IX	11 12 38 36.2–.50	40.56N–.03	33.96E–.03	6–6	2.5		
CSEM	IX	11 12 38 36.2–.08	40.55N	33.94E	5	2.5		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=28.8.						
CSEM		Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=34.0.						
ISC	**IX**	**11 12 39 41.8–.48**	**40.55N–.03**	**33.93E–.04**	**2–7**		**41**	**0-2**
DDA	IX	11 12 39 40.9	40.56N	33.95E	13–3	3.0		¶11660684
ISCJB	IX	11 12 39 41.6–.51	40.56N–.03	33.94E–.04	5–6	3.0		
ISK	IX	11 12 39 41.9	40.56N	33.92E	5	2.7		
CSEM	IX	11 12 39 41.8–.15	40.55N	33.89E	2	2.7		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=39.8.						
CSEM		Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=44.0.						
ISC	**IX**	**11 12 46 13.2–.76**	**40.58N–.04**	**35.03E–.04**	**1–7**		**30**	**0-2**
ISCJB	IX	11 12 46 12.8–.64	40.57N–.03	35.04E–.04	10			¶11660686
DDA	IX	11 12 46 12.9	40.54N	35.02E	2–0	3.0		
ISK	IX	11 12 46 13.0	40.50N	35.03E	5	2.4		
CSEM	IX	11 12 46 13.2–.31	40.57N	34.98E	2	3.0		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.7km s-min=3.6km az=41.4.						
CSEM		Event type ke. Error ellipse: s-maj=7.6km s-min=4.8km az=56.0.						
ISC	**IX**	**11 13 29 09.0–.69**	**37.90N–.04**	**30.22E–.05**	**4–8**		**38**	**1-2**
ISK	IX	11 13 29 05.5	38.21N	30.44E	8	2.8		¶11660688
ISCJB	IX	11 13 29 08.8–.61	37.91N–.04	30.23E–.05	10	2.8		
CSEM	IX	11 13 29 08.8–.45	37.93N	30.23E	8	2.9		
DDA	IX	11 13 29 11.0	37.94N	30.12E	7–7	2.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.3km s-min=4.8km az=42.0.						
CSEM		Event type ke. Error ellipse: s-maj=12.3km s-min=8.7km az=39.0.						
ISC	**IX**	**11 13 30 52.5–.81**	**38.73N–.04**	**38.15E–.06**	**6–17**		**26**	**0-1**
ISK	IX	11 13 30 49.7	38.79N	38.06E	6	2.8		¶11660689
ISCJB	IX	11 13 30 52.1–.74	38.73N–.03	38.17E–.05	10	2.8		
DDA	IX	11 13 30 52.0	38.72N	38.16E	7–2	2.8		
CSEM	IX	11 13 30 52.1–.26	38.73N	38.14E	2	2.8		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.4km s-min=4.4km az=30.3.						
CSEM		Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=119.0.						
CSEM	**IX**	**11 13 31 51.1–.35**	**40.45N**	**35.00E**	**2**	**2.9**		
ISK	IX	11 13 31 50.7	40.37N	35.04E	5	2.6		¶11660690
DDA	IX	11 13 31 51.3	40.44N	34.90E	7–7	2.9		
CSEM		Event type ke. Error ellipse: s-maj=7.9km s-min=5.8km az=55.0.						
ISC	**IX**	**11 13 53 42.4–.49**	**37.20N–.03**	**35.71E–.04**	**24–5**		**36**	**0-2**
ISK	IX	11 13 53 41.4	37.20N	35.70E	23	2.7		¶11660691
ISCJB	IX	11 13 53 42.3–.52	37.20N–.03	35.71E–.04	26–5	2.7		
DDA	IX	11 13 53 42.4	37.19N	35.70E	24–0	3.0		
CSEM	IX	11 13 53 42.0–.14	37.19N	35.69E	24–1	2.7		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.0km s-min=5.0km az=149.7.						
CSEM		Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=153.0.						
ISC	**IX**	**11 14 45 32.1–.59**	**38.33N–.04**	**38.10E–.04**	**4–10**		**30**	**0-2**
DDA	IX	11 14 45 30.8	38.27N	38.11E	7–2	2.7		¶11660693
ISK	IX	11 14 45 30.1	38.08N	38.49E	5	2.9		
ISCJB	IX	11 14 45 31.6–.69	38.33N–.04	38.11E–.04	2–9	2.9		
CSEM	IX	11 14 45 31.4–.26	38.36N	38.10E	0–3	2.7		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=8.0km s-min=4.8km az=154.6.						
CSEM		Event type ke. Error ellipse: s-maj=7.0km s-min=4.2km az=154.0.						
ISC	**IX**	**11 20 38 48.8–.50**	**37.05N–.03**	**36.16E–.04**	**3–9**		**39**	**0-3**
DDA	IX	11 20 38 47.9	37.05N	36.16E	7–5	3.1		¶11660698
ISCJB	IX	11 20 38 48.3–.51	37.05N–.03	36.17E–.04	2–9	3.1		
ISK	IX	11 20 38 48.6	37.16N	36.08E	5	3.2		
CSEM	IX	11 20 38 49.4–.23	37.12N	36.13E	2	3.2		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.5km s-min=4.7km az=162.9.						
CSEM		Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=161.0.						
ISC	**IX**	**11 21 12 53.0–.55**	**38.86N–.03**	**40.42E–.04**	**11–5**		**29**	**0-2**
ISK	IX	11 21 12 51.8	38.99N	40.39E	11	2.7		¶11660700
ISCJB	IX	11 21 12 52.4–.67	38.86N–.03	40.40E–.04	3–6	2.7		
DDA	IX	11 21 12 52.5	38.89N	40.45E	7–3	2.9		
CSEM	IX	11 21 12 52.5–.25	38.94N	40.38E	8	2.7		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.2km s-min=4.9km az=173.9.						
CSEM		Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=146.0.						
ISC	**IX**	**11 21 18 33.7–.32**	**37.67N–.02**	**36.20E–.03**	**10**		**69**	**0-3**
ISK	IX	11 21 18 31.5	37.73N	36.20E	5	3.2		¶11660701

DDA IX 11 21 18 32.2 37.69N 36.20E 15–1 3.2
CSEM IX 11 21 18 32.7–.17 37.71N 36.22E 1–1 3.2
ISCJB IX 11 21 18 33.2–.32 37.67N–.02 36.20E–.03 10 3.2
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 11 23 12 44.4–.33 39.77N–.01 26.03E–.01 14–2 3.6b 493 0-41
IDC IX 11 23 12 42.5–10 38.65N 26.01E 33–56 4.2L,3.7 ¶11660702
ISK IX 11 23 12 42.7 39.76N 26.03E 8 4.1L,3.7
DDA IX 11 23 12 43.0 39.78N 26.06E 34–1 4.2L,3.7
ATH IX 11 23 12 42.7 39.75N 26.08E 25–5 3.7L,3.7
NEIC IX 11 23 12 42.7 39.77N 26.03E 9 4.1L,3.6L
MOS IX 11 23 12 43.0–.87 39.81N 26.04E 14 4.0b,3.6L
ISCJB IX 11 23 12 43.2–.43 39.79N–.01 26.00E–.02 13–3 3.6b,3.6L
CSEM IX 11 23 12 43.9–.06 39.77N 26.03E 10 4.1L,3.6L
THE IX 11 23 12 45.6 39.75N 26.01E 21–1 3.6L,3.6L
SOF IX 11 23 12 45.6 39.95N 26.03E 18 3.6,3.6L
SKO IX 11 23 12 55.0 40.33N 25.18E 0 3.6,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=92.3km s-min=38.3km az=24.0.
ATH Error ellipse: s-maj=2.3km s-min=3.1km az=-1.0.
NEIC Event type se. After ISK.
MOS Error ellipse: s-maj=6.3km s-min=4.6km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=36.6.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=31.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=110.0.
ISC IX 11 23 20 51.7–.37 39.82N–.02 26.04E–.03 9–3 95 0-3
ISK IX 11 23 20 50.8 39.87N 26.09E 5 3.1 ¶11660703
CSEM IX 11 23 20 51.7–.16 39.83N 26.08E 2 3.1
ISCJB IX 11 23 20 51.2–.38 39.80N–.02 26.01E–.03 10–3 3.1
DDA IX 11 23 20 51.9 39.81N 26.16E 6–3 3.3
ATH IX 11 23 20 52.5 39.72N 26.01E 25 2.9
THE IX 11 23 20 52.4 39.74N 26.03E 26–1 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=150.9.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.4km az=211.0.
ISC IX 11 23 58 28.3–.54 40.37N–.03 34.44E–.05 12–5 36 0-2
ISK IX 11 23 58 26.7 40.43N 34.57E 18 2.8 ¶11660704
ISCJB IX 11 23 58 27.9–.75 40.36N–.03 34.43E–.07 7–10 2.8
CSEM IX 11 23 58 27.8–.21 40.37N 34.43E 10 2.8
DDA IX 11 23 58 27.9 40.34N 34.44E 7–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.1km az=171.8.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=1.0.
ISC IX 12 00 06 49.1–.88 39.84N–.05 26.10E–.07 11–5 35 0-1
ISCJB IX 12 00 06 48.8–.84 39.83N–.04 26.08E–.07 11–4 ¶11660705
ISK IX 12 00 06 48.2 39.82N 26.08E 6 2.8
CSEM IX 12 00 06 48.9–.24 39.83N 26.08E 12 2.8
DDA IX 12 00 06 49.4 39.82N 26.15E 6–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.7km az=147.6.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=2.2km az=58.0.
ISC IX 12 00 23 10.4–.70 39.84N–.04 26.11E–.06 10–4 37 0-2
ISK IX 12 00 23 08.9 39.82N 26.07E 3 3.0 ¶11660706
ISCJB IX 12 00 23 09.9–.77 39.83N–.04 26.08E–.07 11–4 3.0
DDA IX 12 00 23 10.2 39.82N 26.16E 6–3 3.0
CSEM IX 12 00 23 10.0–.30 39.84N 26.10E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.3km az=155.4.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=3.4km az=67.0.
ISC IX 12 04 46 55.6–.54 37.40N–.04 30.53E–.04 4–8 29 0-2
ISCJB IX 12 04 46 55.4–.52 37.38N–.04 30.53E–.04 10 ¶11660710
DDA IX 12 04 46 55.7 37.38N 30.47E 7–4 2.9
ISK IX 12 04 46 55.1 37.42N 30.56E 4 2.9
CSEM IX 12 04 46 55.4–.17 37.42N 30.54E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=155.5.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=155.0.
CSEM IX 12 15 20 34.4–.32 37.12N 33.30E 2 3.3
DDA IX 12 15 20 30.7 37.16N 33.17E 2–3 3.3 ¶11660718
ISK IX 12 15 20 33.3 37.08N 33.34E 5 3.0
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=6.5km az=172.0.
ISC IX 12 17 30 41.9–.56 38.66N–.05 30.82E–.04 12–5 29 0-1
ISK IX 12 17 30 38.1 38.87N 30.50E 12 2.8 ¶11660719
CSEM IX 12 17 30 41.3–.33 38.69N 30.82E 10 2.9
ISCJB IX 12 17 30 42.0–.60 38.65N–.05 30.82E–.04 10–4 2.9
DDA IX 12 17 30 42.0 38.67N 30.80E 7–6 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.9km az=149.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.0km az=158.4.
ISK IX 12 18 19 16.6 40.04N 27.03E 27 2.6
CSEM IX 12 18 19 20.3–.87 40.11N 26.82E 10 2.6 ¶11660720
DDA IX 12 18 19 21.1 40.07N 26.79E 7–6 2.8
CSEM Event type ke. Error ellipse: s-maj=20.2km s-min=16.9km az=14.0.
ISC IX 12 22 38 46.4–1.2 37.08N–.04 27.84E–.04 11–20 26 0-1
ISCJB IX 12 22 38 46.2–.68 37.08N–.04 27.83E–.05 12–6 ¶11660721
CSEM IX 12 22 38 46.6–.30 37.09N 27.83E 10 1.9
ISK IX 12 22 38 46.7 37.16N 27.69E 18 1.9
DDA IX 12 22 38 47.9 37.13N 27.73E 7–2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.9km az=158.6.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=5.5km az=91.0.
ISC IX 12 23 13 52.4–.58 39.96N–.05 38.61E–.04 18–6 25 0-1
ISK IX 12 23 13 50.8 39.95N 38.62E 8 2.7 ¶11660722
CSEM IX 12 23 13 51.9–.23 39.96N 38.63E 15 2.9
ISCJB IX 12 23 13 52.6–.57 39.97N–.05 38.61E–.04 20–11 2.9
DDA IX 12 23 13 52.5 39.95N 38.59E 7–2 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.7km az=9.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.6km az=1.7.
ISC IX 13 00 42 54.3–.65 39.40N–.03 33.05E–.05 2–9 34 0-2
ISK IX 13 00 42 52.7 39.43N 33.04E 5 3.0 ¶11660723
DDA IX 13 00 42 53.5 39.38N 33.05E 7–3 2.8
ISCJB IX 13 00 42 54.6–.56 39.42N–.03 33.03E–.05 10 2.8
CSEM IX 13 00 42 54.2–.18 39.41N 33.06E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=4.2.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=104.0.
ISC IX 13 01 12 57.4–.62 39.42N–.03 33.03E–.05 2–6 39 0-2
ISK IX 13 01 12 55.7 39.48N 33.06E 5 3.1 ¶11660724
ISCJB IX 13 01 12 57.8–.52 39.45N–.03 33.02E–.04 10 3.1
DDA IX 13 01 12 57.4 39.41N 33.08E 7–1 3.0
CSEM IX 13 01 12 57.6–.13 39.42N 33.07E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=27.2.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=122.0.
ISC IX 13 01 14 50.5–.47 38.67N–.03 27.74E–.04 5–6 42 0-2
ISK IX 13 01 14 48.7 38.64N 27.76E 14 2.8 ¶11660725
ISCJB IX 13 01 14 50.6–.45 38.67N–.03 27.72E–.04 10 2.8
DDA IX 13 01 14 50.2 38.69N 27.75E 7–6 2.9
CSEM IX 13 01 14 50.3–.22 38.67N 27.72E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=44.2.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.7km az=134.0.
ISC IX 13 06 02 30.8–.48 39.43N–.02 33.07E–.03 4–3 85 0-3
ISK IX 13 06 02 29.3 39.47N 33.06E 5 3.3 ¶11660728
ISCJB IX 13 06 02 30.4–.58 39.44N–.02 33.07E–.03 2–4 3.3
CSEM IX 13 06 02 30.4–.12 39.44N 33.06E 2 3.3
DDA IX 13 06 02 30.4 39.44N 33.10E 14–1 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=42.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=135.0.
ISC IX 13 07 07 47.5–.51 36.99N–.03 29.30E–.03 6–5 58 0-3
ISCJB IX 13 07 07 47.0–.57 36.99N–.03 29.30E–.03 2–6 ¶11660729
ISK IX 13 07 07 46.3 36.97N 29.29E 5 3.0
DDA IX 13 07 07 47.8 37.01N 29.32E 7–7 3.1
CSEM IX 13 07 07 47.1–.17 36.98N 29.30E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=4.0.
ISC IX 13 16 44 13.2–.63 38.62N–.04 31.15E–.05 16–5 32 0-2
ISK IX 13 16 44 12.6 38.60N 31.17E 16 2.8 ¶11660731
DDA IX 13 16 44 12.9 38.70N 31.19E 7–3 2.6
CSEM IX 13 16 44 12.8–.14 38.58N 31.15E 12 2.6
ISCJB IX 13 16 44 13.3–.60 38.61N–.04 31.13E–.05 18–8 2.6
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 13 23 17 37.5–.44 39.59N–.02 39.85E–.03 5–4 70 0-3
DDA IX 13 23 17 36.7 39.62N 39.83E 4–3 3.1 ¶11660732
ISK IX 13 23 17 36.3 39.58N 39.87E 5 3.1
ISCJB IX 13 23 17 37.5–.36 39.60N–.02 39.86E–.03 10 3.1
CSEM IX 13 23 17 37.0–.19 39.59N 39.86E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=38.6.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=133.0.
CSEM IX 13 23 36 37.4–.15 39.93N 39.50E 2 2.8
DDA IX 13 23 36 37.4 39.92N 39.46E 7–1 2.8 ¶11660733
ISK IX 13 23 36 37.2 39.92N 39.57E 7 2.7
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=107.0.
CSEM IX 14 01 20 33.2 38.97N 40.02E 5 2.7
ISK IX 14 01 20 33.2 38.97N 40.02E 5 2.7 ¶11660736
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC IX 14 05 43 21.9–.54 37.45N–.04 36.91E–.04 5–8 33 0-2
ISK IX 14 05 43 20.6 37.44N 36.90E 2 2.8 ¶11660738
ISCJB IX 14 05 43 21.6–.68 37.44N–.05 36.89E–.05 7–11 2.8
DDA IX 14 05 43 21.6 37.46N 36.90E 7–3 2.8
CSEM IX 14 05 43 21.6–.11 37.43N 36.91E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.1km az=30.8.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=170.0.
DDA IX 15 01 56 57.6 38.00N 29.09E 7–1 2.5
¶13856433
ISC IX 15 02 23 49.6–.48 40.68N–.03 32.78E–.03 6–5 51 1-2
ISCJB IX 15 02 23 48.9–.54 40.68N–.03 32.78E–.03 0–6 ¶11660748
ISK IX 15 02 23 48.6 40.66N 32.77E 5 3.0
DDA IX 15 02 23 49.1 40.69N 32.79E 7–4 2.8
CSEM IX 15 02 23 49.2–.16 40.69N 32.78E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.2km az=2.1.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=158.0.
ISC IX 15 02 27 11.0–.43 37.20N–.04 29.09E–.03 18–4 45 0-2
DDA IX 15 02 27 08.3 36.95N 29.11E 7–3 2.8 ¶11660749
CSEM IX 15 02 27 10.6–.14 37.20N 29.09E 16–1 2.9
ISK IX 15 02 27 10.2 37.19N 29.08E 17 2.9
ISCJB IX 15 02 27 11.2–.43 37.20N–.04 29.10E–.04 22–6 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 15 02 54 16.9–.46 38.08N–.03 38.78E–.03 6–5 47 0-2
ISK IX 15 02 54 15.2 38.11N 38.78E 5 3.2 ¶11660750
ISCJB IX 15 02 54 16.4–.39 38.08N–.03 38.77E–.03 10 3.2
CSEM IX 15 02 54 16.6–.24 38.09N 38.79E 2 3.2
DDA IX 15 02 54 16.5 38.09N 38.78E 7–4 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=155.2.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=154.0.
ISC IX 15 09 48 17.0–.58 40.67N–.04 32.79E–.03 5–6 47 1-2
ISK IX 15 09 48 15.4 40.68N 32.82E 5 3.0 ¶11660758
ISCJB IX 15 09 48 16.6–.58 40.68N–.03 32.80E–.03 3–5 3.0
DDA IX 15 09 48 16.2 40.68N 32.80E 11–4 2.9
CSEM IX 15 09 48 16.4–.14 40.68N 32.81E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=0.6.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=173.0.
ISC IX 15 10 40 11.5–.77 39.51N–.09 28.23E–.07 22–15 14 0-2
DDA IX 15 10 40 10.7 39.45N 28.24E 7–5 2.9 ¶13856434
CSEM IX 15 10 40 10.7 39.45N 28.24E 7 2.9
ISCJB IX 15 10 40 11.4–.81 39.51N–.09 28.23E–.07 24–16 2.9
ISC Event type ke.
CSEM Event type ke. After DDA.
ISCJB Event type ke.
ISC IX 16 08 52 03.0–.85 38.56N–.04 35.14E–.05 12–6 39 0-6
CSEM IX 16 08 52 01.8–.28 38.55N 35.22E 5 3.0 ¶11660769
ISCJB IX 16 08 52 02.3–.88 38.54N–.04 35.07E–.05 6–7 3.0
ISK IX 16 08 52 02.2 38.56N 35.11E 10 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=6.5km az=36.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.1km az=136.7.
ISC IX 16 11 08 15.1–.59 39.46N–.04 28.18E–.04 10 29 0-1
ISCJB IX 16 11 08 14.5–.58 39.46N–.04 28.19E–.04 10 ¶13856451
DDA IX 16 11 08 14.3 39.44N 28.19E 7–6 2.8
CSEM IX 16 11 08 14.5–.33 39.52N 28.25E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=5.9km az=43.0.
ISK IX 16 15 02 37.3 40.10N 34.58E 3 2.5
CSEM IX 16 15 02 38.3–.14 40.13N 34.59E 2 2.5 ¶11660771
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=114.0.
ISC IX 16 15 59 15.2–1.1 37.48N–.05 38.57E–.06 2–6 36 0-2
DDA IX 16 15 59 14.4 37.47N 38.55E 7–3 3.0L,2.8 ¶11660772
ISCJB IX 16 15 59 15.0–1.0 37.51N–.05 38.56E–.06 2–5 3.0L,2.8
CSEM IX 16 15 59 15.3–.39 37.49N 38.56E 2 3.0L,2.8
ISK IX 16 15 59 16.2 37.57N 38.51E 9 2.8,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.3km az=138.9.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=4.3km az=134.0.
ISC IX 16 18 30 29.0–.40 38.16N–.02 28.74E–.03 8–5 54 0-2
ISCJB IX 16 18 30 28.3–.41 38.16N–.02 28.74E–.03 4–7 ¶11660776
DDA IX 16 18 30 28.3 38.18N 28.74E 16–2 2.7
ISK IX 16 18 30 28.1 38.16N 28.74E 8 2.7
CSEM IX 16 18 30 28.5–.15 38.15N 28.75E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=72.0.
ISC IX 16 19 35 18.6–.65 37.08N–.04 27.84E–.06 19–6 26 0-1
ISCJB IX 16 19 35 18.9–.72 37.08N–.04 27.84E–.04 15–30 ¶11660778
CSEM IX 16 19 35 18.2–.19 37.03N 27.81E 17–2 2.0L
ISK IX 16 19 35 19.1 37.16N 27.69E 22 2.0L
DDA IX 16 19 35 20.2 37.13N 27.75E 7–2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=6.0km az=174.7.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=23.0.
ISK IX 16 21 34 42.6 37.09N 29.12E 8 3.1
DDA IX 16 21 34 41.9 37.03N 29.19E 36–2 3.1 ¶11660779
CSEM IX 16 21 34 43.1–.16 37.10N 29.12E 8 3.1
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=7.0.
ISK IX 16 23 52 52.9 40.59N 34.80E 3 3.3
DDA IX 16 23 52 53.4 40.57N 34.80E 17–1 2.9 ¶11660781
CSEM IX 16 23 52 53.9–.12 40.60N 34.79E 2 2.9
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=20.0.

ISC	**IX**	**17 06 49 29.8–.95**	**37.10N–.05**	**35.74E–.06**	**22–10**		**23**	**0-1**
ISCJB	IX	17 06 49 29.8–1.1	37.10N–.05	35.75E–.06	22–10			**¶11660785**
DDA	IX	17 06 49 29.6	37.10N	35.71E	7–5	2.8		
ISK	IX	17 06 49 29.2	37.13N	35.74E	21	1.8L		
CSEM	IX	17 06 49 29.1–.40	37.09N	35.73E	25–4	1.8L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.5km s-min=6.1km az=141.3.							
CSEM	Event type ke. Error ellipse: s-maj=8.1km s-min=4.9km az=133.0.							
ISC	**IX**	**17 12 08 14.9–.11**	**40.07N–.01**	**39.96E–.01**	**10**	**4.6b,3.9s**	**993**	**0-93**
ISK	IX	17 12 08 11.9	40.03N	40.01E	5	4.7L,3.9s		**¶13394519**
DDA	IX	17 12 08 11.6	40.00N	39.95E	20–1	4.9L,3.9s		
NEIC	IX	17 12 08 12.0	40.01N	39.98E	5	4.7b,4.7L		
BJI	IX	17 12 08 12.0	40.00N	40.00E	10	5.0b,4.8b		
MOS	IX	17 12 08 13.8–1.1	40.13N	39.92E	13	4.9b,4.8b		
ISCJB	IX	17 12 08 13.3–.11	40.06N–.01	39.95E–.01	10	4.6b,3.9s		
CSEM	IX	17 12 08 14.0–.09	40.09N	39.99E	5	4.8W,4.7b		
TEH	IX	17 12 08 15.0	40.19N	39.89E	10	4.8W,4.7b		
IDC	IX	17 12 08 15.8–1.6	40.05N	39.94E	23–11	4.2b,4.2		
SZGRF	IX	17 12 08 16.0	39.56N	39.79E	33	4.6b,4.2		
GCMT	IX	17 12 08 17.2–.40	40.15N	39.93E	20–1	4.8W,4.2		
ISC	Event type ke.							
NEIC	Event type se. After ISK.							
MOS	Error ellipse: s-maj=4.6km s-min=2.8km az=129.2.							
ISCJB	Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=178.7.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=170.0.							
IDC	Error ellipse: s-maj=10.7km s-min=7.6km az=175.0.							
SZGRF	Turkey.							
GCMT	Event type se. Data Used: IU IC CN II G. Moment Tensor Solution. s22,c26; s68,c102; Moment tensor: Scale 10^{16}Nm; M_{rr}0.01±.11 $M_{\theta\theta}$-0.15±.10; $M_{\phi\phi}$0.14±.08; $M_{r\theta}$0.17±.18; $M_{\theta\phi}$-2.16±.08; $M_{\phi r}$-0.12±.16; Best double couple: NP1:ϕ_s182.00000°,δ85.00000°,λ3.00000°. NP2:ϕ_s92.00000°,δ87.00000°,λ175.00000°. Principal axes: T 2.1800,Plg5.0000° ,Azm47.0000°; N -0.0100,Plg84.0000°,Azm239.0000°; P -2.1700,Plg1.0000°,Azm137.0000° M_o2.20000×10^{16}							
ISC	**IX**	**17 13 00 01.5–.38**	**40.01N–.02**	**39.97E–.02**	**0–3**	**3.8b**	**122**	**0-31**
DDA	IX	17 13 00 00.2	40.01N	39.94E	22–1	3.6		**¶11660790**
ISK	IX	17 13 00 00.9	40.01N	39.99E	6	3.6,3.6L		
ISCJB	IX	17 13 00 01.9–.24	40.03N–.02	39.96E–.02	10	3.7b,3.6L		
CSEM	IX	17 13 00 01.3–.16	40.01N	39.99E	2	3.6,3.6L		
IDC	IX	17 13 00 06.9–1.6	40.37N	39.63E	0	3.7b,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=170.5.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=158.0.							
IDC	Error ellipse: s-maj=28.6km s-min=13.1km az=22.0.							
ISC	**IX**	**17 13 18 31.3–.74**	**39.98N–.06**	**39.95E–.04**	**11–10**		**24**	**0-1**
CSEM	IX	17 13 18 30.8–.22	39.98N	39.95E	12	2.5		**¶11660792**
DDA	IX	17 13 18 30.7	40.13N	39.94E	7–3	2.8		
ISK	IX	17 13 18 30.6	39.99N	39.97E	6	2.5		
ISCJB	IX	17 13 18 31.0–.74	39.98N–.06	39.94E–.05	10–9	2.5		
ISC	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**17 13 43 33.4–.55**	**39.98N–.03**	**28.10E–.04**	**9–12**		**32**	**0-1**
ISCJB	IX	17 13 43 32.7–.56	39.98N–.03	28.09E–.04	9–13			**¶11660793**
DDA	IX	17 13 43 33.0	39.96N	28.05E	6–3	2.8		
ISK	IX	17 13 43 32.0	39.98N	28.10E	2	2.7		
CSEM	IX	17 13 43 33.2–.18	39.99N	28.07E	10	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=43.6.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=16.0.							
ISC	**IX**	**17 13 45 09.7–1.1**	**38.36N–.07**	**29.79E–.04**	**11–9**		**23**	**0-1**
ISCJB	IX	17 13 45 09.6–.92	38.38N–.06	29.80E–.04	5–11			**¶11660794**
CSEM	IX	17 13 45 09.6–.36	38.39N	29.78E	2	2.9		
DDA	IX	17 13 45 09.1	38.37N	29.77E	8–4	2.9		
ISK	IX	17 13 45 09.1	38.38N	29.80E	3	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.0km s-min=5.1km az=168.7.							
CSEM	Event type ke. Error ellipse: s-maj=8.9km s-min=5.4km az=168.0.							
ISC	**IX**	**17 20 09 48.3–.36**	**38.92N–.02**	**27.84E–.03**	**12–3**		**71**	**0-3**
ISCJB	IX	17 20 09 47.9–.41	38.92N–.02	27.85E–.04	11–3			**¶11660800**
DDA	IX	17 20 09 47.4	38.91N	27.87E	15–1	3.1		
ISK	IX	17 20 09 47.6	38.92N	27.82E	12	3.2		
CSEM	IX	17 20 09 48.0–.10	38.92N	27.83E	10	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=10.4.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=102.0.							
ISC	**IX**	**17 21 12 10.1–.56**	**39.23N–.02**	**41.43E–.04**	**0–5**		**70**	**0-3**
ISK	IX	17 21 12 08.6	39.23N	41.41E	5	3.2		**¶11660803**
DDA	IX	17 21 12 09.6	39.27N	41.39E	7–3	3.2		
CSEM	IX	17 21 12 09.8–.18	39.22N	41.42E	2	3.2		
ISCJB	IX	17 21 12 10.5–.34	39.22N–.02	41.41E–.03	10	3.2		
ISC	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**IX**	**18 10 19 30.8–.67**	**39.41N–.04**	**33.09E–.05**	**1–9**		**30**	**0-2**
ISCJB	IX	18 10 19 30.4–1.3	39.40N–.06	33.10E–.06	1–14			**¶11660810**
CSEM	IX	18 10 19 30.5–.21	39.42N	33.08E	2	2.8		
ISK	IX	18 10 19 30.0	39.44N	33.07E	2	2.8		
DDA	IX	18 10 19 30.7	39.50N	32.97E	7–5	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.4km s-min=5.6km az=140.8.							
CSEM	Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=144.0.							
ISC	**IX**	**18 12 04 04.9–.57**	**39.46N–.04**	**28.15E–.04**	**16–5**		**36**	**0-2**
ISK	IX	18 12 04 03.9	39.47N	28.22E	11	2.1L		**¶11660812**
ISCJB	IX	18 12 04 04.6–.58	39.47N–.04	28.15E–.04	12–6	2.1L		
DDA	IX	18 12 04 04.1	39.51N	28.18E	7–2	2.8		
CSEM	IX	18 12 04 04.7–.21	39.46N	28.17E	15	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.4km s-min=4.2km az=33.4.							
CSEM	Event type ke. Error ellipse: s-maj=6.2km s-min=3.3km az=45.0.							
ISC	**IX**	**18 13 53 37.2–.51**	**39.50N–.03**	**28.20E–.04**	**8–5**		**43**	**0-2**
DDA	IX	18 13 53 35.9	39.48N	28.19E	7–4	2.7		**¶11660815**
ISK	IX	18 13 53 35.5	39.51N	28.23E	5	2.1L		
ISCJB	IX	18 13 53 36.5–.60	39.50N–.03	28.22E–.05	1–6	2.1L		
CSEM	IX	18 13 53 36.9–.17	39.52N	28.23E	5	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=4.0km az=136.8.							
CSEM	Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=47.0.							
ISC	**IX**	**18 15 59 11.5–.43**	**39.43N–.03**	**33.07E–.03**	**3–3**		**96**	**0-5**
ISCJB	IX	18 15 59 10.7–.81	39.41N–.03	33.08E–.03	0–7			**¶11660816**
DDA	IX	18 15 59 10.7	39.41N	33.07E	7–3	3.4		
ISK	IX	18 15 59 10.4	39.44N	33.08E	4	3.7L		
CSEM	IX	18 15 59 11.2–.12	39.43N	33.08E	2	3.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=141.1.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=165.0.							
ISC	**IX**	**18 16 54 15.2–.75**	**39.99N–.05**	**39.94E–.05**	**15–7**		**22**	**0-1**
ISCJB	IX	18 16 54 14.9–.76	39.98N–.05	39.93E–.05	9–8			**¶11660818**
DDA	IX	18 16 54 14.9	39.98N	39.93E	7–3	2.6		
ISK	IX	18 16 54 14.4	40.03N	39.96E	21	2.8		
CSEM	IX	18 16 54 14.7–.29	39.98N	39.95E	15	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.0km s-min=6.0km az=165.6.							
CSEM	Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=153.0.							
ISC	**IX**	**18 19 18 18.1–.51**	**37.02N–.03**	**29.19E–.04**	**10–5**		**44**	**0-2**
DDA	IX	18 19 18 16.5	36.97N	29.17E	7–3	2.9		**¶11660822**
ISCJB	IX	18 19 18 17.4–.62	37.01N–.03	29.17E–.03	3–6	2.9		
ISK	IX	18 19 18 17.3	37.04N	29.19E	10	2.8		
CSEM	IX	18 19 18 17.1–.22	36.98N	29.21E	8	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=24.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=4.0.							
ISC	**IX**	**18 19 34 44.1–.45**	**38.93N–.03**	**31.63E–.03**	**11–4**		**52**	**0-2**
ISCJB	IX	18 19 34 43.8–.46	38.91N–.03	31.62E–.03	11–4			**¶11660823**
DDA	IX	18 19 34 43.8	38.92N	31.61E	7–2	2.9L		
ISK	IX	18 19 34 43.2	38.93N	31.61E	16	2.9		
CSEM	IX	18 19 34 43.6–.20	38.93N	31.64E	12	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=25.9.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=24.0.							
ISC	**IX**	**18 19 51 41.4–.38**	**37.84N–.02**	**29.49E–.03**	**11–3**		**107**	**0-3**
ISCJB	IX	18 19 51 40.8–.37	37.85N–.02	29.48E–.03	8–3			**¶11660824**
CSEM	IX	18 19 51 40.6–.12	37.84N	29.48E	5	3.3		
DDA	IX	18 19 51 40.3	37.85N	29.48E	16–1	3.7L		
ISK	IX	18 19 51 40.2	37.84N	29.49E	10	3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=174.6.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=99.0.							
ISC	**IX**	**18 23 57 38.3–.40**	**38.08N–.02**	**27.50E–.04**	**6–6**		**50**	**0-2**
ISCJB	IX	18 23 57 37.6–.43	38.08N–.02	27.52E–.03	0–8			**¶11660829**
DDA	IX	18 23 57 37.9	38.07N	27.48E	7–4	2.4		
ISK	IX	18 23 57 37.6	38.09N	27.53E	6	2.8		
CSEM	IX	18 23 57 38.2–.14	38.07N	27.48E	2	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=178.2.							
CSEM	Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=88.0.							
ISC	**IX**	**19 07 00 46.1–.46**	**37.79N–.02**	**30.52E–.03**	**4–5**		**65**	**0-2**
ISK	IX	19 07 00 44.8	37.78N	30.52E	4	3.1		**¶11660830**
ISCJB	IX	19 07 00 45.9–.37	37.79N–.02	30.53E–.04	10	3.1		
CSEM	IX	19 07 00 45.4–.16	37.78N	30.51E	5	3.1		
DDA	IX	19 07 00 45.9	37.80N	30.50E	18–4	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=178.9.							
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=79.0.							
ISC	**IX**	**19 10 47 07.9–.46**	**39.46N–.03**	**28.18E–.04**	**19–4**		**55**	**0-2**
ISK	IX	19 10 47 06.8	39.45N	28.21E	19	2.1L		**¶11660831**
ISCJB	IX	19 10 47 07.4–.53	39.45N–.03	28.16E–.04	13–4	2.1L		
CSEM	IX	19 10 47 07.4–.08	39.46N	28.18E	15	2.8		
DDA	IX	19 10 47 08.0	39.46N	28.16E	7–5	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=3.8km az=40.9.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=1.6km az=44.0.							
ISC	**IX**	**19 11 01 23.0–.49**	**38.36N–.04**	**37.20E–.04**	**10**		**36**	**1-2**
ISK	IX	19 11 01 20.2	38.53N	37.15E	12	3.0		**¶11660832**
ISCJB	IX	19 11 01 22.4–.49	38.37N–.03	37.21E–.04	10	3.0		
CSEM	IX	19 11 01 22.2–.29	38.47N	37.19E	30	3.0		
DDA	IX	19 11 01 23.3	38.31N	37.09E	19–6	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=29.1.							
CSEM	Event type ke. Error ellipse: s-maj=8.7km s-min=6.1km az=21.0.							
ISC	**IX**	**19 11 26 47.2–.47**	**37.93N–.03**	**30.93E–.04**	**10–6**		**40**	**0-2**
ISCJB	IX	19 11 26 46.6–.49	37.94N–.02	30.95E–.04	4–6			**¶11660833**
CSEM	IX	19 11 26 46.4–.14	37.93N	30.92E	10	2.9		
ISK	IX	19 11 26 46.1	37.93N	30.91E	9	2.9		
DDA	IX	19 11 26 47.5	37.96N	30.98E	7–3	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=23.4.							
CSEM	Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=94.0.							
ISC	**IX**	**19 11 50 33.1–.77**	**38.97N–.04**	**38.18E–.07**	**26–7**		**28**	**0-2**
ISCJB	IX	19 11 50 33.0–.78	38.98N–.04	38.18E–.07	29–7			**¶11660834**
CSEM	IX	19 11 50 32.5–.12	38.95N	38.17E	26–1	3.0		
ISK	IX	19 11 50 32.0	38.95N	38.13E	25	2.8		
DDA	IX	19 11 50 33.8	38.92N	38.27E	7–1	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.4km s-min=6.0km az=6.1.							
CSEM	Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=82.0.							
ISC	**IX**	**19 12 17 49.7–.87**	**39.06N–.04**	**41.22E–.07**	**13–4**		**23**	**0-2**
ISK	IX	19 12 17 48.2	38.93N	41.26E	20	2.8		**¶11660835**
CSEM	IX	19 12 17 48.4–.22	38.90N	41.27E	18–1	2.8		
ISCJB	IX	19 12 17 49.4–.85	39.08N–.04	41.20E–.06	12–4	2.8		
DDA	IX	19 12 17 50.6	39.01N	41.10E	8–0	2.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.1km s-min=3.0km az=162.0.							
ISCJB	Event type ke. Error ellipse: s-maj=8.4km s-min=6.1km az=171.4.							
ISC	**IX**	**19 14 47 00.7–.56**	**38.37N–.04**	**38.09E–.04**	**8–6**		**26**	**0-2**
ISCJB	IX	19 14 47 00.3–.56	38.36N–.04	38.10E–.04	8–6			**¶11660837**
ISK	IX	19 14 47 00.5	38.29N	38.10E	9	2.8		
CSEM	IX	19 14 47 00.5	38.29N	38.10E	9	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=19.7.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.							
ISC	**IX**	**19 15 05 48.5–.40**	**39.45N–.02**	**33.06E–.03**	**3–3**		**73**	**0-3**
ISCJB	IX	19 15 05 47.9–.46	39.43N–.02	33.07E–.03	2–3			**¶11660838**
ISK	IX	19 15 05 47.4	39.46N	33.07E	3	3.2		
DDA	IX	19 15 05 48.2	39.42N	33.13E	7–3	3.2		
CSEM	IX	19 15 05 48.0–.08	39.43N	33.04E	2	3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=140.9.							
CSEM	Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=98.0.							
ISC	**IX**	**19 17 21 45.3–.48**	**38.90N–.03**	**27.87E–.04**	**8–5**		**37**	**0-1**
ISCJB	IX	19 17 21 44.9–.47	38.89N–.03	27.88E–.04	8–4			**¶11660839**
DDA	IX	19 17 21 44.8	38.93N	27.86E	10–1	3.1		
ISK	IX	19 17 21 44.6	38.89N	27.88E	6	2.7		
CSEM	IX	19 17 21 45.1–.12	38.90N	27.87E	5	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=4.6km az=175.6.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=108.0.							
ISC	**IX**	**19 18 46 01.6–.40**	**39.52N–.02**	**28.84E–.03**	**12–5**		**59**	**0-2**
ISCJB	IX	19 18 46 00.9–.42	39.53N–.02	28.85E–.03	6–5			**¶11660840**
DDA	IX	19 18 46 01.0	39.56N	28.82E	7–4	3.1		
ISK	IX	19 18 46 00.8	39.53N	28.86E	12	2.9		
CSEM	IX	19 18 46 01.2–.14	39.53N	28.85E	10	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.0km s-min=3.7km az=175.7.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=85.0.							
ISC	**IX**	**20 07 05 34.1–.38**	**37.10N–.03**	**28.13E–.03**	**13–4**		**55**	**0-2**
ISCJB	IX	20 07 05 33.6–.38	37.09N–.03	28.13E–.03	12–4			**¶11660845**
ATH	IX	20 07 05 33.8	37.06N	28.04E	22–5	3.0		
DDA	IX	20 07 05 33.9	37.13N	28.15E	7–5	2.8		
ISK	IX	20 07 05 33.9	37.14N	28.11E	11	2.8		
CSEM	IX	20 07 05 33.8–.17	37.09N	28.12E	12	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=173.5.							
ATH	Error ellipse: s-maj=6.0km s-min=10.1km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=4.0.							
ISC	**IX**	**20 14 32 25.9–1.0**	**37.67N–.05**	**35.78E–.07**	**19–7**		**24**	**0-1**
CSEM	IX	20 14 32 25.7–.26	37.67N	35.79E	19–2	1.7L		**¶11660847**
ISK	IX	20 14 32 27.9	37.55N	35.66E	5	1.7L		
ISCJB	IX	20 14 32 28.7–.98	37.55N–.06	35.67E–.05	10–7	1.7L		
DDA	IX	20 14 32 29.1	37.49N	35.67E	7–4	2.6		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=7.3km s-min=4.5km az=118.0.							
ISCJB	Event type ke. Error ellipse: s-maj=10.2km s-min=6.2km az=169.2.							
ISC	**IX**	**20 14 43 21.8–.77**	**38.62N–.03**	**36.50E–.05**	**4–6**		**51**	**0-3**
ISK	IX	20 14 43 20.0	38.56N	36.46E	5	3.1		**¶11660848**
CSEM	IX	20 14 43 21.0–.26	38.56N	36.45E	2	3.1		
ISCJB	IX	20 14 43 22.0–.44	38.59N–.03	36.50E–.04	10	3.1		
DDA	IX	20 14 43 23.5	38.58N	36.63E	9–4	3.1		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=6.7km s-min=6.2km az=24.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=9.8.							
ISC	**IX**	**20 22 41 07.2–.90**	**41.06N–.06**	**39.05E–.03**	**8–5**		**47**	**0-2**
DDA	IX	20 22 41 05.3	41.04N	38.91E	5–7	3.1		**¶11660850**

ISCJB IX 20 22 41 06.9–.80 41.05N–.05 39.06E–.03 9–4 3.1
ISK IX 20 22 41 06.1 41.07N 39.07E 11 3.0
CSEM IX 20 22 41 07.2–.26 41.03N 39.05E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=3.9km az=173.7.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.3km az=176.0.
DDA IX 21 01 58 47.1 38.79N 27.86E 10–1 2.6
CSEM IX 21 01 58 47.1 38.79N 27.86E 10 2.6 ¶13856516
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC IX 22 00 16 08.2–.63 36.96N–.03 29.31E–.06 3–11 32 0-1
ISK IX 22 00 16 05.9 36.99N 29.29E 23 1.7L ¶11660858
ISCJB IX 22 00 16 07.9–.60 36.94N–.03 29.33E–.05 10 1.7L
CSEM IX 22 00 16 07.8–.23 36.95N 29.31E 2 1.7L
DDA IX 22 00 16 07.8 36.97N 29.33E 7–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=11.1.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.6km az=95.0.
ISC IX 22 00 53 30.3–1.9 39.96N–.04 39.92E–.05 16–34 22 0-1
ISCJB IX 22 00 53 30.0–.73 39.96N–.04 39.92E–.04 10 ¶11660859
CSEM IX 22 00 53 29.8–.27 39.94N 39.95E 8 2.6
ISK IX 22 00 53 29.3 39.98N 39.97E 6 2.6
DDA IX 22 00 53 30.6 39.97N 39.91E 7–5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.9km az=177.5.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.8km az=134.0.
ISC IX 22 09 48 23.8–.80 40.67N–.05 29.39E–.05 14–9 24 0-1
ISCJB IX 22 09 48 23.5–.74 40.65N–.05 29.40E–.05 15–8 ¶11660864
ISK IX 22 09 48 23.4 40.65N 29.39E 10 2.2L
DDA IX 22 09 48 23.6 40.69N 29.39E 5–3 2.7
CSEM IX 22 09 48 23.6–.16 40.67N 29.38E 12 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.6km az=152.3.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=166.0.
ISC IX 22 15 45 26.2–.74 37.58N–.03 35.02E–.06 0–13 28 0-4
DDA IX 22 15 45 26.0 37.52N 35.07E 7–2 2.6 ¶11660866
ISK IX 22 15 45 25.1 37.54N 35.07E 5 2.4L
ISCJB IX 22 15 45 26.2–.62 37.56N–.03 35.07E–.05 10 2.4L
CSEM IX 22 15 45 26.2–.25 37.56N 35.05E 2 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=22.5.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.8km az=114.0.
ISC IX 22 17 15 00.1–.45 37.52N–.04 36.19E–.04 20–3 39 0-2
ISK IX 22 17 14 58.1 37.68N 36.17E 4 2.5L ¶11660868
DDA IX 22 17 14 58.8 37.54N 36.22E 7–6 2.8
CSEM IX 22 17 14 59.7–.23 37.54N 36.19E 16–2 2.8
ISCJB IX 22 17 15 00.1–.44 37.53N–.04 36.19E–.04 24–5 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 22 18 24 59.9–.59 37.55N–.06 36.14E–.04 17–4 34 0-2
CSEM IX 22 18 24 58.8–.43 37.68N 36.07E 8 2.8 ¶11660869
DDA IX 22 18 24 58.8 37.51N 36.17E 7–6 2.8
ISK IX 22 18 24 58.0 37.65N 36.16E 2 2.3L
ISCJB IX 22 18 24 59.9–.59 37.56N–.06 36.14E–.04 17–6 2.3L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 22 19 11 40.0–.58 37.59N–.04 36.16E–.04 11–4 33 0-2
DDA IX 22 19 11 38.5 37.56N 36.20E 7–6 2.9 ¶11660870
ISK IX 22 19 11 38.3 37.59N 36.18E 3 2.1L
ISCJB IX 22 19 11 39.4–.61 37.60N–.04 36.18E–.04 6–6 2.1L
CSEM IX 22 19 11 39.0–.44 37.63N 36.08E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=141.8.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=7.9km az=153.0.
ISC IX 22 22 43 50.2–.38 40.80N–.02 33.68E–.03 10–4 57 0-2
ISCJB IX 22 22 43 49.9–.41 40.81N–.02 33.67E–.03 9–4 ¶11660871
CSEM IX 22 22 43 49.7–.09 40.82N 33.71E 12 3.0
DDA IX 22 22 43 49.3 40.79N 33.69E 7–4 3.4L,3.1
ISK IX 22 22 43 49.4 40.81N 33.63E 8 3.0,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=17.9.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=86.0.
ISC IX 22 23 16 33.1–.36 37.06N–.02 28.10E–.02 8–3 92 0-4
THE IX 22 23 16 31.4 37.02N 28.44E 5–7 ¶11660873
ISCJB IX 22 23 16 32.4–.41 37.06N–.02 28.11E–.02 3–4
DDA IX 22 23 16 32.2 37.06N 28.08E 23–1 3.2
ISK IX 22 23 16 32.5 37.04N 28.11E 6 3.1
CSEM IX 22 23 16 33.1–.14 37.05N 28.11E 10 3.1
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=9.2km s-min=1.1km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=28.4.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=18.0.
ISC IX 23 01 43 05.5–.72 39.71N–.04 37.65E–.04 6–7 43 1-2
DDA IX 23 01 43 04.5 39.69N 37.65E 6–5 2.9 ¶11660875
CSEM IX 23 01 43 04.8–.13 39.71N 37.65E 2 2.9
ISCJB IX 23 01 43 05.7–.45 39.73N–.03 37.65E–.04 10 2.9
ISK IX 23 01 43 05.2 39.69N 37.66E 7 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=39.6.
ISC IX 23 01 49 05.5–.51 37.19N–.05 36.02E–.05 25–7 32 0-2
DDA IX 23 01 49 04.9 37.17N 35.96E 7–7 2.8 ¶11660876
ISK IX 23 01 49 04.8 37.21N 36.09E 15 2.3L
ISCJB IX 23 01 49 05.4–.50 37.18N–.04 36.03E–.05 25–6 2.3L
CSEM IX 23 01 49 05.2–.20 37.18N 36.05E 20 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.2km az=142.2.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.1km az=159.0.
ISC IX 23 03 41 20.7–.37 40.72N–.03 29.33E–.03 12–4 64 0-2
DDA IX 23 03 41 19.4 40.73N 29.34E 18–2 2.8 ¶11660877
ISCJB IX 23 03 41 20.4–.37 40.72N–.03 29.33E–.03 12–4 2.8
ISK IX 23 03 41 20.4 40.72N 29.35E 7 2.7
CSEM IX 23 03 41 20.6–.13 40.71N 29.34E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=29.5.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=39.0.
ISC IX 23 08 04 11.1–.33 39.56N–.02 39.88E–.02 2–3 4.0b,3.2s 207 0-66
ISK IX 23 08 04 09.7 39.56N 39.86E 2 3.7,3.2s ¶11660879
NEIC IX 23 08 04 09.0 39.55N 39.85E 5 4.1L,3.9b
MOS IX 23 08 04 10.3–1.9 39.57N 39.91E 10 4.3b,3.9b
IDC IX 23 08 04 10.8–.81 39.59N 39.85E 0 4.1b,3.9
CSEM IX 23 08 04 10.9–.14 39.58N 39.89E 2 3.7,3.9
ISCJB IX 23 08 04 10.2–.36 39.55N–.02 39.86E–.02 2–3 4.0b,3.2s
DDA IX 23 08 04 11.4 39.55N 39.89E 21–0 3.9L,3.2s
ISC Event type ke.
NEIC Event type se. After ISK.
MOS Error ellipse: s-maj=11.3km s-min=6.5km az=73.7.
IDC Error ellipse: s-maj=18.1km s-min=10.8km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=135.0.
ISC IX 23 09 09 43.7–.35 39.47N–.02 33.05E–.02 4–2 4.3b,3.4s 439 0-91
ISK IX 23 09 09 42.5 39.46N 33.04E 4 4.5L,3.4s ¶11660881
NEIC IX 23 09 09 42.0 39.46N 33.05E 4 4.6L,4.5b
DDA IX 23 09 09 42.4 39.43N 33.04E 14–1 4.7L,4.5b
MOS IX 23 09 09 42.6–1.1 39.48N 33.00E 10 4.4b,4.5b
CSEM IX 23 09 09 43.6–.09 39.48N 33.06E 5 4.4b,4.5b
IDC IX 23 09 09 43.3–.58 39.52N 33.03E 0 4.1b,4.1
ISCJB IX 23 09 09 43.2–.35 39.48N–.02 33.03E–.02 13–2 4.3b,3.4s
ISC Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 23 09 17 10.9–.49 39.44N–.04 33.06E–.04 7–3 44 0-2
ISK IX 23 09 17 09.0 39.51N 33.02E 5 2.4L ¶13856564
ISCJB IX 23 09 17 10.5–.48 39.45N–.03 33.06E–.04 7–3 2.4L
CSEM IX 23 09 17 10.2–.24 39.48N 33.00E 4–2 2.4L
DDA IX 23 09 17 10.7 39.44N 33.07E 7–1 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=145.5.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.0km az=161.0.
ISC IX 23 13 59 55.8–.45 39.43N–.03 33.04E–.03 4–4 52 0-2
DDA IX 23 13 59 54.9 39.42N 33.05E 6–1 2.9 ¶11660884
ISK IX 23 13 59 54.5 39.48N 33.04E 5 2.5L
ISCJB IX 23 13 59 55.4–.56 39.43N–.03 33.02E–.03 2–4 2.5L
CSEM IX 23 13 59 55.4–.20 39.46N 33.03E 5 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=151.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=147.0.
ISC IX 23 14 36 50.7–.52 39.84N–.03 40.22E–.03 11–7 42 0-2
ISCJB IX 23 14 36 49.9–.51 39.82N–.03 40.22E–.03 10 ¶11660885
DDA IX 23 14 36 50.3 39.86N 40.23E 7–4 2.8
ISK IX 23 14 36 50.6 39.88N 40.25E 9 2.6
CSEM IX 23 14 36 51.0–.21 39.87N 40.27E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=172.1.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=158.0.
ISC IX 23 14 37 27.0–.55 39.86N–.03 40.26E–.03 5–5 46 0-2
DDA IX 23 14 37 25.9 39.81N 40.27E 10–4 2.9 ¶11660886
ISCJB IX 23 14 37 26.4–.56 39.87N–.03 40.27E–.03 3–6 2.9
ISK IX 23 14 37 26.1 39.90N 40.30E 16 2.7
CSEM IX 23 14 37 26.8–.11 39.89N 40.26E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.1km az=160.6.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=107.0.
ISC IX 23 14 40 16.0–.55 39.86N–.03 40.23E–.03 10–6 48 0-2
ISCJB IX 23 14 40 15.2–.57 39.85N–.03 40.21E–.03 1–7 ¶11660887
DDA IX 23 14 40 15.6 39.86N 40.21E 9–3 2.7
ISK IX 23 14 40 15.3 39.88N 40.25E 12 2.7
CSEM IX 23 14 40 16.6–.18 39.89N 40.21E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.5km az=171.4.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=170.0.
ISC IX 24 08 32 07.0–.53 39.45N–.04 33.06E–.04 6–5 37 0-2
ISK IX 24 08 32 05.5 39.47N 33.11E 4 2.5L ¶11660894
DDA IX 24 08 32 06.0 39.39N 33.07E 3–2 2.9
ISCJB IX 24 08 32 06.5–.55 39.44N–.04 33.06E–.04 4–6 2.9
CSEM IX 24 08 32 06.2–.14 39.39N 33.01E 0–1 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=164.2.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=14.0.
ISC IX 24 21 29 39.6–.65 39.46N–.04 28.30E–.05 14–9 30 0-1
ISCJB IX 24 21 29 39.2–.57 39.46N–.04 28.29E–.05 12–7 ¶11660902
DDA IX 24 21 29 39.4 39.45N 28.29E 7–1 2.9
ISK IX 24 21 29 39.1 39.47N 28.29E 10 2.8
CSEM IX 24 21 29 39.5–.13 39.46N 28.30E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=139.8.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=64.0.
DDA IX 25 05 42 16.1 38.18N 36.44E 7–2 2.7
CSEM IX 25 05 42 08.2–2.5 38.66N 36.07E 2 2.7 ¶11660907
ISK IX 25 05 42 14.6 38.21N 36.45E 2 1.8L
CSEM Event type ke. Error ellipse: s-maj=59.1km s-min=15.1km az=137.0.
ISC IX 25 10 04 35.5–1.3 37.11N–.08 37.4E–.10 7–11 21 0-2
ISK IX 25 10 04 34.8 37.16N 37.35E 8 2.9 ¶11660912
CSEM IX 25 10 04 34.9–.25 37.28N 37.35E 2 2.9
ISCJB IX 25 10 04 35.7–.95 37.11N–.08 37.34E–.06 10 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 26 02 30 19.0–.27 40.41N–.01 26.02E–.02 14–2 215 0-6
ATH IX 26 02 30 18.7 40.43N 26.07E 34–2 3.3 ¶11660919
DDA IX 26 02 30 19.0 40.37N 26.15E 4–7 3.6L
ISCJB IX 26 02 30 18.3–.28 40.41N–.01 26.01E–.02 12–2 3.6L
ISK IX 26 02 30 19.0 40.38N 26.09E 14 3.4
NEIC IX 26 02 30 19.0 40.38N 26.10E 8 3.4
CSEM IX 26 02 30 19.1–.08 40.40N 26.02E 15 3.4
THE IX 26 02 30 20.2 40.40N 26.00E 19–2 3.0L
SOF IX 26 02 30 21.8 40.50N 25.65E 20 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=42.1.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=19.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=38.0.
ISC IX 26 08 09 53.5–.90 38.43N–.05 43.44E–.09 17–5 22 0-2
DDA IX 26 08 09 52.1 38.50N 43.58E 6–2 2.9 ¶11660923
ISCJB IX 26 08 09 53.4–.93 38.43N–.05 43.47E–.09 15–5 2.9
CSEM IX 26 08 09 53.4–.48 38.44N 43.47E 18–3 2.8
ISK IX 26 08 09 54.6 38.51N 43.43E 14 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=7.9km az=10.1.
CSEM Event type ke. Error ellipse: s-maj=16.4km s-min=10.0km az=92.0.
ISC IX 26 09 53 46.8–.72 37.56N–.05 35.05E–.05 14–7 32 0-2
ISK IX 26 09 53 45.3 37.59N 35.04E 8 2.0L ¶11660925
ISCJB IX 26 09 53 46.9–.63 37.54N–.04 35.04E–.05 17–10 2.0L
CSEM IX 26 09 53 46.8–.36 37.49N 35.09E 20 2.0L
DDA IX 26 09 53 46.1 37.60N 35.05E 7–7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.2km az=146.6.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=7.3km az=16.0.
ISC IX 26 15 05 56.3–.59 39.38N–.03 37.26E–.04 9–7 40 0-2
ISK IX 26 15 05 54.0 39.35N 37.28E 5 2.9 ¶11660928
DDA IX 26 15 05 55.2 39.34N 37.29E 7–4 3.0
ISCJB IX 26 15 05 56.9–.57 39.43N–.04 37.27E–.05 21–8 3.0
CSEM IX 26 15 05 56.0–.33 39.42N 37.28E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=6.4km az=135.5.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=7.1km az=46.0.
ISC IX 26 17 18 59.8–.56 40.44N–.03 33.20E–.05 12–5 38 0-2
ISK IX 26 17 18 58.2 40.41N 33.20E 5 2.7 ¶11660931
ISCJB IX 26 17 18 59.4–.66 40.44N–.03 33.19E–.05 9–5 2.7
CSEM IX 26 17 18 59.4–.20 40.42N 33.22E 8 2.8
DDA IX 26 17 19 01.0 40.47N 33.36E 16–1 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=38.3.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=119.0.
ISC IX 26 19 48 07.4–.46 40.47N–.03 34.62E–.04 9–4 42 0-2
DDA IX 26 19 48 06.8 40.45N 34.62E 7–3 3.2 ¶11660933
ISK IX 26 19 48 06.5 40.44N 34.63E 16 2.9
CSEM IX 26 19 48 06.9–.14 40.46N 34.65E 8 3.2
ISCJB IX 26 19 48 07.1–.51 40.47N–.03 34.62E–.04 10–4 3.2
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 26 20 13 37.6–.45 37.51N–.04 36.16E–.03 16–5 42 0-2
DDA IX 26 20 13 36.5 37.54N 36.18E 25–1 3.2 ¶11660934
ISK IX 26 20 13 36.0 37.64N 36.16E 12 2.4L
CSEM IX 26 20 13 37.1–.21 37.57N 36.16E 15 3.2
ISCJB IX 26 20 13 38.0–.46 37.54N–.04 36.16E–.03 17–7 3.2
ISC Event type ke.
CSEM Event type ke.

ISCJB Event type ke.
ISC IX 26 23 28 02.5–.63 37.57N–.03 33.00E–.05 10 24 1-1
DDA IX 26 23 28 00.1 37.49N 32.93E 7–7 2.8 ¶11660935
CSEM IX 26 23 28 01.9–.28 37.57N 33.02E 2 2.0L
ISK IX 26 23 28 01.7 37.58N 33.02E 6 2.0L
ISCJB IX 26 23 28 02.4–.66 37.58N–.04 33.00E–.04 10 2.0L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 27 02 58 38.9–.72 39.26N–.03 39.84E–.05 5–6 32 1-2
ISK IX 27 02 58 37.8 39.26N 39.83E 16 2.7 ¶11660937
ISCJB IX 27 02 58 38.3–.70 39.25N–.03 39.83E–.04 3–7 2.7
CSEM IX 27 02 58 38.3–.29 39.27N 39.86E 5 2.7
DDA IX 27 02 58 41.8 39.23N 39.55E 7–7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.3km az=140.2.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=69.0.
ISC IX 27 03 45 01.8–.36 38.77N–.02 27.83E–.03 11–4 60 0-2
ISCJB IX 27 03 45 01.2–.37 38.78N–.02 27.83E–.03 8–4 ¶11660939
CSEM IX 27 03 45 01.6–.07 38.77N 27.82E 10 2.4
DDA IX 27 03 45 01.4 38.77N 27.81E 14–2 2.4
ISK IX 27 03 45 01.0 38.74N 27.84E 17 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=127.0.
ISC IX 27 03 55 35.9–.38 38.76N–.02 27.82E–.02 4–3 121 0-3
ISCJB IX 27 03 55 35.9–.44 38.77N–.02 27.81E–.02 9–3 ¶11660940
CSEM IX 27 03 55 35.7–.10 38.76N 27.81E 2 3.1
DDA IX 27 03 55 35.3 38.78N 27.82E 12–2 3.4L
ISK IX 27 03 55 35.5 38.78N 27.80E 8 3.1
ATH IX 27 03 55 37.0 38.73N 27.70E 16–1 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=42.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=126.0.
ATH Error ellipse: s-maj=1.0km s-min=2.1km az=-1.0.
ISC IX 27 04 03 45.4–.50 36.97N–.03 29.18E–.04 7–5 49 0-3
ISK IX 27 04 03 44.8 36.96N 29.19E 8 2.8 ¶11660941
ISCJB IX 27 04 03 45.1–.53 36.97N–.03 29.18E–.04 5–6 2.8
CSEM IX 27 04 03 45.3–.12 36.96N 29.19E 7–1 2.8
DDA IX 27 04 03 45.4 37.01N 29.15E 7–6 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=21.9.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=28.0.
ISC IX 27 10 36 12.7–.51 39.45N–.03 33.07E–.04 4–4 31 0-2
ISK IX 27 10 36 10.9 39.50N 33.10E 5 2.7 ¶11660944
DDA IX 27 10 36 11.0 39.38N 33.26E 7–7 2.8
ISCJB IX 27 10 36 12.4–.52 39.45N–.04 33.06E–.04 3–4 2.8
CSEM IX 27 10 36 12.1–.24 39.48N 33.06E 5–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.6km az=176.7.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=159.0.
ISC IX 27 20 43 43.9–.55 39.46N–.03 33.03E–.04 3–4 37 0-2
DDA IX 27 20 43 42.5 39.48N 33.06E 7–5 2.9 ¶11660951
ISCJB IX 27 20 43 43.7–.61 39.46N–.03 33.03E–.04 3–4 2.9
ISK IX 27 20 43 43.4 39.47N 33.06E 5 2.8
CSEM IX 27 20 43 43.6–.15 39.46N 33.03E 3–1 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.1km az=141.7.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=73.0.
ISC IX 28 08 07 51.3–.66 39.12N–.04 27.6E–.10 24–19 24 0-1
ISK IX 28 08 07 50.2 39.14N 27.57E 13 2.7 ¶11660956
CSEM IX 28 08 07 50.6–.18 39.11N 27.62E 20 2.7
ISCJB IX 28 08 07 51.2–.83 39.12N–.04 27.7E–.10 27–14 2.7
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 28 09 50 21.7–.47 38.90N–.03 27.90E–.04 5–6 36 0-2
ISK IX 28 09 50 20.0 38.89N 27.94E 5 2.9 ¶11660958
ISCJB IX 28 09 50 21.2–.47 38.90N–.03 27.91E–.04 4–6 2.9
CSEM IX 28 09 50 21.3–.12 38.90N 27.89E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=155.8.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=122.0.
ISC IX 28 11 32 14.2–.17 36.61N–.02 30.09E–.02 54–4 3.9b 337 0-62
HLW IX 28 11 32 11.8 36.68N 30.13E 32–25 3.9L,3.8 ¶11322809
DDA IX 28 11 32 11.8 36.55N 30.25E 51–5 4.0L,3.8
ISK IX 28 11 32 12.5 36.66N 30.07E 63 4.2L,3.8
ISCJB IX 28 11 32 12.6–.17 36.60N–.02 30.09E–.02 63–3 3.9b,3.8
NIC IX 28 11 32 12.7–.20 36.47N 29.93E 40 4.3b,3.9L
NEIC IX 28 11 32 12.0 36.66N 30.07E 64 4.0,3.9L
CSEM IX 28 11 32 13.9–.07 36.61N 30.09E 50–2 3.5W,3.9L
THE IX 28 11 32 14.9 36.51N 30.10E 25–6 3.5W,3.9L
IDC IX 28 11 32 15.6–2.2 36.55N 30.21E 71–21 3.7s,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=7.8.
NIC Moment Tensor Solution. $M_0$1.70000×10^{14}
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=31.0.
THE Event type ke. Error ellipse: s-maj=6.3km s-min=1.2km az=115.0.
IDC Error ellipse: s-maj=16.5km s-min=14.7km az=130.0.
ISC IX 28 11 46 08.5–.32 40.51N–.02 34.61E–.03 10 79 0-4
ISK IX 28 11 46 06.4 40.45N 34.62E 5 3.6 ¶11660959
ISCJB IX 28 11 46 07.9–.32 40.50N–.02 34.60E–.03 10 3.6
CSEM IX 28 11 46 07.8–.14 40.49N 34.61E 2 3.4
DDA IX 28 11 46 07.2 40.52N 34.64E 20–4 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=137.3.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=47.0.
ISC IX 28 17 07 22.7–1.2 39.86N–.08 37.76E–.06 17–5 28 0-2
ISCJB IX 28 17 07 22.5–1.3 39.90N–.08 37.76E–.06 25–8 ¶11660965
CSEM IX 28 17 07 22.5–.45 39.87N 37.75E 20 2.9
ISK IX 28 17 07 22.6 39.46N 37.50E 11 2.8
DDA IX 28 17 07 23.4 39.61N 37.62E 7–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=6.7km az=16.7.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=5.1km az=18.0.
ISC IX 28 17 40 34.7–2.5 39.8N–.10 43.98E–.10 10 17 0-2
CSEM IX 28 17 40 33.8–1.4 39.78N 44.03E 10 3.0 ¶13856672
DDA IX 28 17 40 34.3 39.60N 44.08E 10–3 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=28.2km s-min=12.7km az=22.0.
ISC IX 28 21 16 31.7–.72 36.46N–.04 29.10E–.05 17–4 45 0-3
ISCJB IX 28 21 16 30.9–.89 36.44N–.04 29.09E–.04 12–5 ¶11660969
DDA IX 28 21 16 30.9 36.49N 29.10E 10–2 3.0
ISK IX 28 21 16 30.4 36.43N 29.10E 13 3.0
CSEM IX 28 21 16 31.3–.20 36.47N 29.10E 15 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.6km az=24.9.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=16.0.
ISC IX 28 23 21 02.8–.51 36.98N–.03 29.15E–.04 9–6 44 0-2
ISCJB IX 28 23 21 02.3–.52 36.99N–.03 29.14E–.04 4–7 ¶11660971
ISK IX 28 23 21 02.1 36.98N 29.16E 10 2.9
DDA IX 28 23 21 02.4 37.00N 29.15E 7–3 3.0
CSEM IX 28 23 21 02.5–.16 36.99N 29.16E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.7km az=24.1.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=107.0.
ISC IX 29 00 24 39.8–.75 39.32N–.03 39.27E–.07 9–8 24 0-1
ISK IX 29 00 24 38.6 39.31N 39.21E 6 2.5 ¶11660972
ISCJB IX 29 00 24 39.3–.73 39.32N–.03 39.27E–.07 3–11 2.5
CSEM IX 29 00 24 39.3–.20 39.32N 39.28E 8 2.5
DDA IX 29 00 24 40.8 39.26N 39.18E 7–3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.0km az=177.6.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=89.0.
ISC IX 29 03 57 49.7–.47 36.96N–.03 29.14E–.04 8–5 50 0-2
ISK IX 29 03 57 48.8 36.96N 29.16E 8 3.0 ¶11660975
ISCJB IX 29 03 57 49.3–.51 36.97N–.03 29.13E–.03 3–6 3.0
CSEM IX 29 03 57 49.5–.18 36.97N 29.13E 8 3.0
DDA IX 29 03 57 50.4 37.01N 29.13E 7–6 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.7km az=13.4.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=33.0.
ISC IX 29 07 16 42.0–.46 39.16N–.02 29.41E–.02 1–4 146 0-7
DDA IX 29 07 16 40.9 39.14N 29.44E 14–2 3.4 ¶11660977
ISK IX 29 07 16 40.5 39.15N 29.41E 5 3.4L
ISCJB IX 29 07 16 41.6–.47 39.16N–.02 29.42E–.03 3–4 3.4L
CSEM IX 29 07 16 41.9–.07 39.16N 29.43E 2 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=156.8.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=75.0.
ISC IX 29 11 02 25.9–.42 38.37N–.02 38.90E–.03 5–5 50 0-3
ISK IX 29 11 02 24.7 38.39N 38.91E 5 3.3 ¶11660981
ISCJB IX 29 11 02 25.3–.52 38.37N–.03 38.89E–.03 2–5 3.3
CSEM IX 29 11 02 25.4–.17 38.38N 38.90E 2 3.6L
DDA IX 29 11 02 25.3 38.37N 38.89E 7–4 3.6L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=135.3.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=144.0.
ISC IX 29 20 54 55.9–.43 37.42N–.02 38.61E–.02 2–3 153 0-5
ISK IX 29 20 54 54.6 37.38N 38.61E 7 3.7L ¶11660987
ISCJB IX 29 20 54 55.1–.48 37.43N–.02 38.60E–.02 1–4 3.7L
CSEM IX 29 20 54 55.9–.12 37.45N 38.62E 2 3.7L
DDA IX 29 20 54 55.8 37.47N 38.59E 24–1 4.4L
NSSC IX 29 20 54 58 37.38N 38.65E 13–1 4.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=148.7.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=137.0.
NSSC Event type fe.
DDA IX 30 04 24 48.5 36.64N 34.62E 7–3 2.8
¶13856694
ISC IX 30 04 25 48.9–.46 36.97N–.02 29.17E–.03 3–4 86 0-4
ISK IX 30 04 25 47.1 36.97N 29.15E 5 3.3 ¶11660991
DDA IX 30 04 25 47.5 36.93N 29.19E 24–2 3.2
ISCJB IX 30 04 25 48.4–.50 36.98N–.02 29.16E–.03 2–5 3.2
CSEM IX 30 04 25 48.3–.16 36.95N 29.15E 2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=137.9.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=18.0.
ISC IX 30 04 33 50.8–.53 36.95N–.03 29.17E–.04 7–6 46 0-2
DDA IX 30 04 33 49.3 36.95N 29.20E 7–6 3.1 ¶11660992
ISCJB IX 30 04 33 50.5–.56 36.95N–.03 29.18E–.04 6–6 3.1
ISK IX 30 04 33 50.2 36.95N 29.17E 8 2.9
CSEM IX 30 04 33 50.2–.23 36.97N 29.17E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=28.8.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.9km az=145.0.
ISC IX 30 06 22 53.7–.70 37.43N–.04 38.59E–.03 5–5 40 0-2
CSEM IX 30 06 22 52.9–.13 37.42N 38.64E 10 2.9 ¶11660996
ISK IX 30 06 22 52.8 37.44N 38.63E 12 2.9
ISCJB IX 30 06 22 53.4–.68 37.45N–.04 38.59E–.03 3–5 2.9
DDA IX 30 06 22 53.4 37.45N 38.57E 27–1 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=167.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.3km az=7.9.
ISC IX 30 07 30 01.0–.35 38.97N–.01 29.90E–.01 1–2 4.6b,3.8s 713 0-98
IDC IX 30 07 29 59.2–.66 38.97N 29.90E 0 4.3b,4.3 ¶13395514
NEIC IX 30 07 30 00.0 38.99N 29.87E 5 4.7L,4.4b
ISCJB IX 30 07 30 01.0–.43 38.98N–.01 29.90E–.01 12–3 4.5b,3.8s
MOS IX 30 07 30 00.3–1.3 39.01N 30.02E 10 4.5b,3.8s
ISK IX 30 07 30 00.8 38.99N 29.87E 5 4.6L,3.8s
DDA IX 30 07 30 00.2 39.01N 29.87E 13–2 4.6L,3.8s
HLW IX 30 07 30 00.6 38.94N 29.90E 10–71 4.2L,3.8s
CSEM IX 30 07 30 01.1–.08 38.96N 29.91E 2 4.5b,3.8s
THE IX 30 07 30 01.2 39.08N 30.04E 2–10 4.5b,3.8s
BJI IX 30 07 30 05.2 39.57N 30.80E 10 5.1b,4.8s
ISC Event type ke.
IDC Error ellipse: s-maj=13.4km s-min=12.7km az=60.0.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=22.3.
MOS Error ellipse: s-maj=4.9km s-min=3.3km az=109.4.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=31.0.
THE Event type ke. Error ellipse: s-maj=10.6km s-min=2.0km az=335.0.
ISC IX 30 09 03 27.1–.51 38.99N–.03 29.88E–.04 13–7 34 0-2
ISCJB IX 30 09 03 26.6–.51 39.00N–.03 29.89E–.04 7–8 ¶11660998
DDA IX 30 09 03 26.5 38.98N 29.90E 8–6 2.8
ISK IX 30 09 03 27.6 38.87N 29.88E 20 2.3L
CSEM IX 30 09 03 27.1–.17 38.99N 29.88E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.7km az=13.8.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=138.0.
ISC IX 30 10 12 11.1–.42 38.38N–.03 39.02E–.03 9–4 40 0-2
DDA IX 30 10 12 09.9 38.39N 39.03E 20–2 2.9 ¶11660999
ISCJB IX 30 10 12 10.8–.50 38.37N–.03 39.03E–.03 8–4 2.9
CSEM IX 30 10 12 10.7–.13 38.40N 39.03E 8 2.9
ISK IX 30 10 12 10.2 38.40N 39.04E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=178.1.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=149.0.
ISC IX 30 19 53 11.2–.48 39.14N–.03 29.39E–.03 1–6 67 1-2
DDA IX 30 19 53 10.3 39.15N 29.40E 7–4 3.1 ¶11661004
ISK IX 30 19 53 10.2 39.13N 29.32E 2 3.0
ISCJB IX 30 19 53 11.3–.35 39.12N–.02 29.38E–.03 10 3.0
CSEM IX 30 19 53 11.0–.10 39.15N 29.40E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=157.8.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=128.0.
ISC X 01 03 53 48.4–.42 36.97N–.01 29.17E–.02 5–3 3.9b,3.0s 324 0-81
DDA X 01 03 53 46.2 36.96N 29.22E 24–0 3.6,3.0s ¶11661011
IDC X 01 03 53 46.8–.80 36.91N 29.22E 0 4.1L,4.0b
NEIC X 01 03 53 46.0 37.02N 29.11E 4 3.9b,3.9L
MOS X 01 03 53 46.9–.82 36.96N 29.15E 10 4.1b,3.9L
ISCJB X 01 03 53 47.3–.44 36.93N–.01 29.18E–.02 11–3 3.9b,3.0s
CSEM X 01 03 53 47.7–.08 36.98N 29.14E 2 4.0b,3.0s
HLW X 01 03 53 47.8 37.17N 29.17E 33–38 4.0L,3.8
ISK X 01 03 53 47.0 37.02N 29.11E 5 3.7L,3.8
THE X 01 03 53 50.5 37.08N 29.16E 2–1 3.7L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=19.5km s-min=14.8km az=171.0.
NEIC Event type se. After ISK.
MOS Error ellipse: s-maj=10.0km s-min=6.9km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=154.9.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=67.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=320.0.
ISC X 01 04 13 51.6–.56 36.98N–.03 29.13E–.05 6–7 35 0-2
ISK X 01 04 13 50.9 36.99N 29.13E 5 2.9 ¶11661013
ISCJB X 01 04 13 51.4–.51 36.98N–.03 29.14E–.05 10 2.9
CSEM X 01 04 13 51.2–.20 36.99N 29.13E 5 2.9
DDA X 01 04 13 51.1 36.98N 29.23E 6–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=25.5.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=106.0.

ISC X 01 04 47 23.9–.71 37.15N–.05 29.17E–.05 8–7 34 0-2
DDA X 01 04 47 21.1 36.97N 29.15E 7–6 3.1 ¶11661014
ISK X 01 04 47 22.2 37.14N 29.18E 5 2.9
CSEM X 01 04 47 22.6–.35 37.05N 29.18E 2 2.9
ISCJB X 01 04 47 23.1–.87 37.08N–.05 29.16E–.05 4–8 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 01 06 38 44.5–.63 37.02N–.03 29.22E–.04 2–16 27 0-1
CSEM X 01 06 38 43.7 37.03N 29.22E 7 3.0 ¶13909406
DDA X 01 06 38 43.7 37.03N 29.22E 7–5 3.0
ISCJB X 01 06 38 45.0–.60 37.02N–.04 29.27E–.04 10 3.0
ISC Event type ke.
CSEM Event type ke. After DDA.
ISCJB Event type ke.
ISC X 01 06 40 54.4–.61 36.99N–.04 29.26E–.08 8–14 28 0-1
ISCJB X 01 06 40 53.9–.66 37.00N–.03 29.27E–.08 2–18 ¶11661015
ISK X 01 06 40 53.2 36.99N 29.32E 5 2.7
CSEM X 01 06 40 54.3–.37 36.98N 29.27E 2 2.7
DDA X 01 06 40 55.0 37.02N 29.17E 7–5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=5.5km az=10.6.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=7.3km az=77.0.
ISC X 01 10 39 49.5–.50 37.10N–.04 29.13E–.03 6–6 52 0-3
DDA X 01 10 39 47.8 36.98N 29.10E 13–5 3.0 ¶11661016
ISCJB X 01 10 39 48.9–.64 37.09N–.04 29.13E–.03 2–7 3.0
CSEM X 01 10 39 48.7–.22 37.07N 29.13E 2 3.2
ISK X 01 10 39 48.2 37.08N 29.15E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.4km az=2.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=12.0.
ISC X 01 16 23 49.8–.56 39.00N–.04 29.92E–.04 6–7 44 0-2
DDA X 01 16 23 49.0 38.99N 29.88E 7–6 2.8 ¶11661017
ISCJB X 01 16 23 49.2–.57 39.00N–.04 29.93E–.04 3–7 2.8
CSEM X 01 16 23 49.7–.15 39.00N 29.92E 2 2.8
ISK X 01 16 23 50.5 39.03N 29.95E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.7km az=140.7.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=10.0.
ISC X 01 18 26 05.2–.63 36.98N–.04 29.09E–.03 1–6 46 0-3
DDA X 01 18 26 04.9 37.01N 29.12E 6–4 3.0 ¶11661018
ISK X 01 18 26 04.2 36.98N 29.11E 5 3.2
ISCJB X 01 18 26 05.5–.47 36.96N–.04 29.11E–.03 10 3.2
CSEM X 01 18 26 05.0–.13 36.98N 29.11E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=174.3.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=7.0.
ISC X 01 19 06 08.5–.61 39.47N–.03 33.00E–.05 2–6 34 0-2
ISK X 01 19 06 06.5 39.54N 33.08E 5 2.7 ¶11661019
ISCJB X 01 19 06 08.9–.49 39.50N–.03 33.00E–.05 10 2.7
CSEM X 01 19 06 08.4–.09 39.48N 33.00E 4–0 2.7
DDA X 01 19 06 08.2 39.46N 33.06E 12–2 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.2km az=30.1.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=123.0.
ISC X 01 20 22 05.1–.49 37.02N–.03 29.14E–.04 0–6 50 0-5
CSEM X 01 20 22 04.6–.17 36.98N 29.14E 5 2.9 ¶11661020
DDA X 01 20 22 04.2 37.02N 29.13E 7–5 2.9
ISK X 01 20 22 04.3 36.94N 29.14E 4 2.9
ISCJB X 01 20 22 05.3–.36 37.00N–.03 29.17E–.03 10 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 01 21 49 15.3–.53 37.91N–.04 43.20E–.04 10 24 1-2
ISK X 01 21 49 13.6 37.91N 43.16E 5 2.9 ¶11661022
ISCJB X 01 21 49 15.0–.54 37.91N–.04 43.21E–.04 10 2.9
DDA X 01 21 49 14.3 37.77N 43.13E 7–6 3.0
CSEM X 01 21 49 15.5–.50 37.95N 43.36E 0–7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=28.6.
CSEM Event type ke. Error ellipse: s-maj=17.2km s-min=7.0km az=75.0.
ISC X 01 21 52 42.6–.51 37.02N–.02 29.13E–.02 0–4 179 0-10
ISK X 01 21 52 40.8 37.01N 29.11E 5 3.5 ¶11661023
ISCJB X 01 21 52 41.6–.56 36.95N–.02 29.14E–.02 4–4 3.5
DDA X 01 21 52 42.5 37.01N 29.14E 26–2 3.0
CSEM X 01 21 52 42.7–.10 37.01N 29.14E 2 3.5
HLW X 01 21 52 43.5 37.15N 29.11E 31–42 3.7,3.3L
ATH X 01 21 52 43.5 37.09N 28.98E 7–2 3.6,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=164.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=75.0.
ATH Error ellipse: s-maj=1.2km s-min=3.6km az=-1.0.
ISC X 01 23 06 49.0–.49 36.99N–.03 29.14E–.03 2–6 55 0-3
ISK X 01 23 06 47.6 36.95N 29.14E 5 3.1 ¶11661025
ISCJB X 01 23 06 48.6–.64 36.98N–.03 29.15E–.03 1–7 3.1
CSEM X 01 23 06 48.7–.16 36.96N 29.15E 2 3.1
DDA X 01 23 06 48.5 36.99N 29.16E 20–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=150.3.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=3.0.
DDA X 02 00 28 37.0 40.77N 27.73E 4–5 2.8
¶13909432
ISC X 02 00 28 50.6–.29 36.98N–.03 29.21E–.03 10 98 0-5
ISK X 02 00 28 47.9 36.95N 29.14E 5 3.2 ¶11661028
CSEM X 02 00 28 49.8–.16 36.98N 29.18E 2 3.2
ISCJB X 02 00 28 50.1–.29 36.97N–.03 29.18E–.03 10 3.2
DDA X 02 00 28 50.4 37.00N 29.10E 26–2 2.9
THE X 02 00 28 54.1 37.05N 29.19E 21–3 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=147.5.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=103.0.
ISC X 02 01 35 31.7–.50 37.03N–.03 29.11E–.03 4–5 64 0-3
ISK X 02 01 35 30.2 37.00N 29.12E 5 3.2 ¶11661029
ISCJB X 02 01 35 31.1–.66 37.03N–.03 29.11E–.03 0–7 3.2
CSEM X 02 01 35 31.3–.13 37.01N 29.11E 2 3.2
DDA X 02 01 35 31.4 37.04N 29.15E 24–2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=165.2.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=10.0.
ISC X 02 01 52 06.4–.57 36.97N–.04 29.11E–.04 5–7 44 0-2
DDA X 02 01 52 05.9 37.01N 29.11E 7–5 3.0 ¶11661030
ISK X 02 01 52 05.4 36.97N 29.12E 3 2.8
ISCJB X 02 01 52 06.4–.51 36.96N–.04 29.14E–.04 10 2.8
CSEM X 02 01 52 06.2–.15 36.98N 29.11E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=166.9.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=4.0.
ISC X 02 01 58 54.1–.55 36.95N–.04 29.14E–.04 9–6 40 0-2
ISK X 02 01 58 52.8 36.94N 29.15E 4 2.8 ¶11661032
ISCJB X 02 01 58 53.7–.57 36.95N–.04 29.14E–.04 4–7 2.8
CSEM X 02 01 58 53.9–.21 36.96N 29.14E 8 2.8
DDA X 02 01 58 54.7 37.05N 29.11E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.6km az=152.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.3km az=173.0.
ISC X 02 03 22 38.1–.55 37.01N–.04 29.15E–.04 6–6 50 0-2
CSEM X 02 03 22 37.9–.17 37.02N 29.15E 5 3.0 ¶11661034
ISK X 02 03 22 37.4 37.00N 29.17E 6 3.0
DDA X 02 03 22 37.7 37.05N 29.13E 7–5 3.1
ISCJB X 02 03 22 38.1–.48 37.00N–.04 29.17E–.03 10 3.1
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 02 03 55 56.0–.43 37.01N–.02 29.13E–.02 2–3 195 0-9
ISK X 02 03 55 54.3 36.98N 29.09E 2 3.4 ¶11661035
DDA X 02 03 55 55.3 37.03N 29.15E 27–1 3.4
CSEM X 02 03 55 55.9–.11 36.99N 29.12E 2 3.4
ISCJB X 02 03 55 55.2–.51 36.99N–.02 29.13E–.02 2–4 3.4
THE X 02 03 55 59.5 37.15N 29.06E 15–2 3.4
HLW X 02 03 56 00.5 36.84N 29.20E 33–42 3.6,3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.6km az=136.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=138.2.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.9km az=329.0.
ISC X 02 04 02 16.7–.56 36.97N–.04 29.11E–.04 6–6 50 0-2
ISK X 02 04 02 15.5 36.98N 29.11E 5 3.0 ¶11661036
ISCJB X 02 04 02 16.8–.48 36.96N–.04 29.13E–.04 10 3.0
CSEM X 02 04 02 16.6–.15 36.98N 29.11E 5 3.0
DDA X 02 04 02 16.9 37.03N 29.13E 9–5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=7.0.
ISC X 02 06 28 07.0–.60 37.71N–.05 37.50E–.04 9–10 27 0-2
ISCJB X 02 06 28 06.9–.55 37.68N–.04 37.51E–.04 10 ¶11661038
DDA X 02 06 28 06.6 37.69N 37.50E 8–2 3.0
ISK X 02 06 28 06.5 37.74N 37.43E 13 2.9
CSEM X 02 06 28 07.1–.21 37.66N 37.51E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=13.4.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=167.0.
ISC X 02 08 26 01.4–.59 36.97N–.03 29.12E–.03 1–5 52 0-3
ISCJB X 02 08 26 01.7–.46 36.95N–.03 29.14E–.03 10 ¶11661039
DDA X 02 08 26 01.4 37.01N 29.17E 19–4 3.0
CSEM X 02 08 26 01.2–.17 36.98N 29.11E 2 3.1
ISK X 02 08 26 01.0 36.99N 29.11E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=2.9.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=13.0.
ISK X 02 08 53 42.3 38.81N 39.03E 10 2.8
DDA X 02 08 53 42.9 38.80N 39.05E 7–1 3.0 ¶11661040
CSEM X 02 08 53 43.3–.26 38.80N 39.06E 2 2.8
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.7km az=78.0.
ISC X 02 10 05 44.5–.58 38.35N–.06 39.22E–.04 12–6 24 0-2
CSEM X 02 10 05 43.7–.34 38.40N 39.21E 18–3 2.6 ¶13909445
ISCJB X 02 10 05 44.4–.58 38.38N–.07 39.22E–.04 13–5 2.6
DDA X 02 10 05 44.4 38.31N 39.20E 7–4 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=7.8km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.6km az=4.9.
ISC X 02 10 41 02.0–.55 38.80N–.03 39.02E–.04 3–12 29 0-2
ISCJB X 02 10 41 01.5–.57 38.80N–.03 39.01E–.04 1–13 ¶11661041
DDA X 02 10 41 01.4 38.79N 38.98E 7–5 2.5
CSEM X 02 10 41 01.7–.23 38.79N 39.00E 2 2.5
ISK X 02 10 41 01.3 38.78N 39.07E 4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.3km az=178.7.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.6km az=119.0.
ISC X 02 12 25 19.1–.72 37.77N–.05 36.06E–.04 8–7 38 0-2
ISCJB X 02 12 25 18.5–.72 37.78N–.05 36.05E–.04 7–7 ¶11661045
CSEM X 02 12 25 18.4–.52 37.82N 36.03E 2 2.9
ISK X 02 12 25 18.0 37.71N 36.09E 7 2.9
DDA X 02 12 25 18.5 37.79N 36.09E 7–7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.5km az=166.4.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=5.9km az=161.0.
ISC X 02 17 09 28.5–.50 36.95N–.03 29.20E–.04 4–6 46 0-2
ISK X 02 17 09 26.9 36.93N 29.19E 5 2.9 ¶11661048
ISCJB X 02 17 09 28.4–.46 36.94N–.03 29.21E–.04 10 2.9
CSEM X 02 17 09 28.2–.16 36.95N 29.19E 2 2.9
DDA X 02 17 09 29.2 37.02N 29.18E 7–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=19.9.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.4km az=27.0.
ISC X 03 07 28 28.1–.58 37.00N–.03 29.08E–.04 4–7 42 0-3
ISCJB X 03 07 28 27.7–.59 37.00N–.03 29.08E–.04 3–7 ¶11661059
DDA X 03 07 28 27.7 36.99N 29.15E 7–5 2.8
ISK X 03 07 28 27.6 37.00N 29.09E 5 3.1
CSEM X 03 07 28 27.7–.17 37.00N 29.09E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.0km az=21.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=174.0.
ISC X 03 23 37 27.0–.22 39.72N–.02 41.41E–.02 10 3.6b 174 0-35
NEIC X 03 23 37 24.0 39.72N 41.42E 5 3.7b,3.7L ¶11661065
TEH X 03 23 37 24.8 39.73N 41.42E 0 3.7b,3.7L
ISK X 03 23 37 24.9 39.74N 41.40E 5 3.7L,3.7L
DDA X 03 23 37 25.2 39.72N 41.41E 2–0 3.6,3.7L
MOS X 03 23 37 25.3–1.1 39.73N 41.33E 10 3.9b,3.7L
IDC X 03 23 37 25.4–1.1 39.66N 41.39E 0 3.7b,3.7
CSEM X 03 23 37 26.0–.16 39.75N 41.42E 2 3.7b,3.7
ISCJB X 03 23 37 26.1–.22 39.71N–.02 41.38E–.02 10 3.6b,3.7
ISC Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke.
ISCJB Event type ke.
DDA X 04 00 43 42.7 37.40N 36.47E 7–2 2.8
¶13909492
ISC X 04 00 43 57.3–.46 36.99N–.03 29.14E–.03 7–5 42 0-2
ISCJB X 04 00 43 56.9–.52 36.99N–.03 29.14E–.03 3–6 ¶11661067
CSEM X 04 00 43 56.7 36.96N 29.15E 8 2.1L
DDA X 04 00 43 56.5 37.01N 29.15E 7–2 2.8
ISK X 04 00 43 56.7 36.96N 29.15E 8 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.2km az=34.8.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
CSEM X 04 03 12 03.2–.65 38.23N 27.22E 2 2.8
DDA X 04 03 12 03.9 38.29N 27.21E 7–2 2.8 ¶13909493
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=4.4km az=160.0.
DDA X 04 03 17 52.0 39.05N 43.08E 3–3 2.8
CSEM X 04 03 17 52.4–.51 39.09N 43.23E 2 2.8 ¶11661068
ISK X 04 03 17 52.5 39.12N 43.25E 12 2.6L
CSEM Event type ke. Error ellipse: s-maj=17.3km s-min=10.2km az=48.0.
DDA X 04 03 59 46.8 38.38N 41.41E 10–3 3.1
ISK X 04 03 59 47.6 38.33N 41.36E 10 2.5L ¶11661069
CSEM X 04 03 59 48.2–.49 38.39N 41.40E 5 2.5L
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=6.4km az=149.0.
ISC X 04 07 33 39.6–.68 39.41N–.03 32.98E–.05 2–6 42 0-2
CSEM X 04 07 33 38.8–.09 39.39N 32.96E 2 3.0 ¶11661071
ISK X 04 07 33 38.2 39.41N 32.95E 3 3.1
ISCJB X 04 07 33 39.9–.50 39.42N–.03 32.96E–.05 10 3.1
DDA X 04 07 33 40.3 39.46N 33.11E 12–1 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=5.1.
ISC X 04 11 10 34.2–.58 36.97N–.03 29.19E–.05 10 32 0-1
DDA X 04 11 10 31.4 36.94N 29.12E 6–2 2.8 ¶11661074
ISCJB X 04 11 10 33.9–.59 36.97N–.03 29.18E–.05 10 2.8
ISK X 04 11 10 33.7 36.92N 29.26E 6 2.8
CSEM X 04 11 10 34.1–.18 36.95N 29.24E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.1km az=23.3.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=126.0.

ISC	**X**	**04 13 28 28.0–.49**	**39.06N–.03**	**29.05E–.03**	**5–5**		**61**	**0-2**
ISCJB	X	04 13 28 27.6–.52	39.05N–.03	29.04E–.03	3–6			¶11661075
CSEM	X	04 13 28 27.7–.06	39.06N	29.05E	2	2.8		
ISK	X	04 13 28 27.5	39.01N	29.06E	11	2.9		
DDA	X	04 13 28 27.4	39.06N	29.05E	7–3	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=0.3.							
CSEM	Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=158.0.							
CSEM	**X**	**04 15 33 24.7–.76**	**37.71N**	**34.98E**	**10**	**2.8**		
ISK	X	04 15 33 27.7	37.48N	35.08E	10	2.8		¶11661078
DDA	X	04 15 33 27.9	37.49N	35.13E	7–5	2.8		
CSEM	Error ellipse: s-maj=17.4km s-min=9.7km az=134.0.							
ISC	**X**	**04 16 06 41.2–.67**	**39.69N–.03**	**41.23E–.06**	**7–7**		**24**	**0-2**
ISCJB	X	04 16 06 40.8–.73	39.68N–.03	41.21E–.06	2–8			¶13909499
DDA	X	04 16 06 40.4	39.67N	41.25E	8–3	2.9		
CSEM	X	04 16 06 40.7–.29	39.67N	41.27E	2	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.3km s-min=5.1km az=18.2.							
CSEM	Event type ke. Error ellipse: s-maj=7.5km s-min=5.7km az=23.0.							
ISC	**X**	**04 19 15 40.7–.83**	**37.07N–.04**	**29.17E–.05**	**2–10**		**29**	**0-2**
DDA	X	04 19 15 37.4	36.99N	29.13E	7–7	2.8		¶11661079
CSEM	X	04 19 15 40.5–.26	37.09N	29.17E	2	2.8		
ISK	X	04 19 15 40.5	37.09N	29.18E	6	2.8		
ISCJB	X	04 19 15 41.1–.54	37.06N–.04	29.20E–.04	10	2.8		
ISC	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**X**	**04 19 52 53.5–.59**	**38.00N–.03**	**30.95E–.04**	**5–5**		**52**	**1-2**
ISK	X	04 19 52 51.8	38.01N	30.97E	5	3.2		¶11661080
DDA	X	04 19 52 52.6	37.91N	30.99E	23–3	3.1		
ISCJB	X	04 19 52 53.1–.74	37.99N–.03	30.97E–.05	4–6	3.1		
CSEM	X	04 19 52 53.0–.23	38.01N	30.94E	5	3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.3km s-min=4.1km az=161.4.							
CSEM	Event type ke. Error ellipse: s-maj=6.0km s-min=4.9km az=81.0.							
ISC	**X**	**04 20 39 50.5–1.6**	**36.48N–.07**	**30.79E–.09**	**10**		**27**	**1-3**
CSEM	X	04 20 39 49.5–.99	36.35N	30.99E	30	3.3		¶11661082
ISK	X	04 20 39 53.2	37.35N	30.25E	4	2.9		
DDA	X	04 20 39 57.8	36.80N	30.12E	7–14	2.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=21.4km s-min=14.8km az=120.0.							
ISC	**X**	**05 02 19 29.7–.65**	**40.38N–.04**	**34.49E–.03**	**8–7**		**44**	**0-3**
DDA	X	05 02 19 28.8	40.38N	34.48E	20–1	3.2		¶13909518
CSEM	X	05 02 19 29.4–.15	40.38N	34.49E	5	3.2		
ISCJB	X	05 02 19 30.5–.48	40.39N–.03	34.50E–.03	17–9	3.2		
ISC	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**X**	**05 03 52 54.1–.55**	**39.77N–.03**	**39.49E–.04**	**0–7**		**44**	**0-2**
ISCJB	X	05 03 52 53.6–.60	39.78N–.03	39.49E–.04	2–6			¶11661084
CSEM	X	05 03 52 53.9–.23	39.78N	39.50E	2	2.9		
DDA	X	05 03 52 53.5	39.80N	39.50E	18–2	2.9		
ISK	X	05 03 52 53.3	39.78N	39.55E	5	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=32.5.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=116.0.							
ISC	**X**	**05 05 33 48.0–.44**	**38.31N–.02**	**38.84E–.02**	**2–4**		**95**	**0-4**
ISK	X	05 05 33 47.0	38.38N	38.81E	5	3.5L		¶11661085
DDA	X	05 05 33 47.2	38.31N	38.83E	11–1	4.0L,3.8		
CSEM	X	05 05 33 47.5–.21	38.30N	38.85E	2	4.0L,3.8		
ISCJB	X	05 05 33 48.2–.29	38.33N–.02	38.83E–.02	10	4.0L,3.8		
ISC	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**X**	**05 06 04 05.3–.28**	**40.60N–.01**	**29.00E–.02**	**10–2**	**3.7b**	**296**	**0-130**
IDC	X	05 06 04 03.7–.82	40.55N	28.90E	0	3.9b,3.8		¶11661086
MOS	X	05 06 04 04.0–2.0	40.60N	28.94E	11	3.9b,3.8		
ISCJB	X	05 06 04 04.4–.29	40.62N–.01	28.99E–.02	13–2	3.7b,3.8		
ISK	X	05 06 04 04.7	40.63N	29.01E	16	4.2L,3.8		
DDA	X	05 06 04 04.4	40.61N	29.01E	24–1	4.2L,3.8		
NEIC	X	05 06 04 05.0	40.65N	29.02E	8	4.1L,3.8		
CSEM	X	05 06 04 05.1–.07	40.60N	29.00E	10	3.8b,3.8		
SOF	X	05 06 04 05.9	40.73N	28.80E	8	3.9,3.8		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=15.7km s-min=13.5km az=3.0.							
MOS	Error ellipse: s-maj=10.5km s-min=5.7km az=84.1.							
ISCJB	Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=158.1.							
NEIC	Event type se. After ISK.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=23.0.							
ISC	**X**	**05 06 21 01.0–.41**	**40.75N–.03**	**29.22E–.03**	**10–5**		**46**	**0-2**
ISCJB	X	05 06 21 00.8–.41	40.76N–.03	29.21E–.03	8–6			¶11661087
CSEM	X	05 06 21 00.9–.07	40.75N	29.19E	8	2.6		
ISK	X	05 06 21 00.2	40.75N	29.20E	5	2.4		
DDA	X	05 06 21 00.6	40.73N	29.20E	7–4	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=172.1.							
CSEM	Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=77.0.							
ISC	**X**	**05 07 49 31.2–.55**	**38.27N–.04**	**38.73E–.04**	**10–9**		**30**	**0-1**
ISCJB	X	05 07 49 30.9–.57	38.27N–.04	38.73E–.04	8–6			¶13909523
CSEM	X	05 07 49 30.5–.08	38.28N	38.74E	15	2.8		
DDA	X	05 07 49 30.6	38.26N	38.71E	7–2	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.1km s-min=4.2km az=151.6.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=1.2km az=148.0.							
ISC	**X**	**05 23 53 30.1–.49**	**40.76N–.02**	**30.62E–.03**	**3–4**		**90**	**0-6**
ISK	X	05 23 53 28.8	40.71N	30.63E	5	3.3L		¶11661096
ISCJB	X	05 23 53 29.4–.54	40.78N–.02	30.62E–.03	3–4	3.3L		
CSEM	X	05 23 53 29.9–.13	40.73N	30.64E	2	3.3		
DDA	X	05 23 53 29.8	40.77N	30.64E	12–0	3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=160.3.							
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=60.0.							
ISC	**X**	**06 00 15 31.4–.51**	**40.74N–.03**	**30.65E–.04**	**7–6**		**44**	**0-2**
ISK	X	06 00 15 30.6	40.73N	30.65E	5	2.9		¶11661097
ISCJB	X	06 00 15 31.0–.55	40.74N–.03	30.63E–.03	5–5	2.9		
CSEM	X	06 00 15 31.1–.09	40.74N	30.66E	8	2.6		
DDA	X	06 00 15 32.2	40.68N	30.75E	7–4	2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=174.1.							
CSEM	Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=11.0.							
ISC	**X**	**06 00 53 17.5–1.6**	**36.05N–.08**	**29.09E–.06**	**12–6**		**32**	**0-2**
ISK	X	06 00 53 16.6	36.11N	29.04E	2	2.6		¶11661100
ISCJB	X	06 00 53 17.3–1.5	36.08N–.07	29.08E–.06	8–7	2.6		
CSEM	X	06 00 53 17.4–.68	36.04N	29.14E	15	3.1		
DDA	X	06 00 53 19.4	36.26N	29.15E	7–3	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=11.6km s-min=7.8km az=8.3.							
CSEM	Event type ke. Error ellipse: s-maj=13.3km s-min=6.8km az=3.0.							
ISC	**X**	**06 00 55 06.4–.56**	**40.76N–.04**	**30.64E–.03**	**5–5**		**57**	**0-2**
DDA	X	06 00 55 05.5	40.79N	30.62E	6–2	3.0		¶11661101
ISK	X	06 00 55 05.7	40.72N	30.65E	6	2.7		
ISCJB	X	06 00 55 06.4–.46	40.75N–.04	30.64E–.03	10	2.7		
CSEM	X	06 00 55 06.2–.17	40.75N	30.65E	5	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=2.7.							
CSEM	Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=15.0.							
ISC	**X**	**06 02 24 04.9–.40**	**39.02N–.02**	**29.91E–.02**	**2–5**		**83**	**0-2**
DDA	X	06 02 24 03.9	39.00N	29.90E	7–4	3.1L		¶11661102
ISCJB	X	06 02 24 04.8–.30	39.03N–.02	29.91E–.02	10	3.1L		
CSEM	X	06 02 24 05.2–.19	39.01N	29.94E	2	2.9		
ISK	X	06 02 24 05.8	38.97N	29.98E	10	2.9		

ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=172.6.							
CSEM	Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=176.0.							
ISC	**X**	**06 07 11 45.5–.56**	**36.95N–.03**	**29.18E–.05**	**5–9**		**33**	**0-1**
ISK	X	06 07 11 44.5	36.92N	29.22E	5	2.5		¶11661106
DDA	X	06 07 11 44.4	36.96N	29.20E	7–4	2.9		
ISCJB	X	06 07 11 45.4–.64	36.94N–.04	29.22E–.07	11–9	2.9		
CSEM	X	06 07 11 45.1–.24	36.96N	29.19E	2	2.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.3km s-min=4.8km az=28.6.							
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=100.0.							
ISC	**X**	**06 09 12 58.4–.40**	**39.69N–.02**	**29.47E–.03**	**5–4**		**74**	**1-2**
ISK	X	06 09 12 57.9	39.68N	29.46E	9	2.8		¶11661107
ISCJB	X	06 09 12 58.5–.31	39.70N–.02	29.48E–.03	10	2.8		
CSEM	X	06 09 12 58.1–.15	39.67N	29.48E	5	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=143.3.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=144.0.							
ISC	**X**	**06 09 19 00.0–.50**	**38.35N–.03**	**30.43E–.03**	**14–4**		**60**	**0-2**
ISCJB	X	06 09 18 59.7–.63	38.33N–.03	30.42E–.03	13–5			¶11661108
CSEM	X	06 09 18 59.5–.20	38.36N	30.45E	12	2.8		
ISK	X	06 09 18 59.8	38.36N	30.52E	18	2.8		
DDA	X	06 09 18 59.3	38.39N	30.41E	27–1	2.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.6km s-min=4.4km az=167.8.							
CSEM	Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=170.0.							
ISC	**X**	**06 14 45 21.5–.49**	**39.17N–.02**	**29.45E–.03**	**2–4**		**75**	**1-3**
ISK	X	06 14 45 20.9	39.15N	29.45E	5	3.1		¶11661111
ISCJB	X	06 14 45 21.4–.36	39.14N–.02	29.47E–.03	10	3.1		
CSEM	X	06 14 45 21.3–.12	39.17N	29.47E	2	3.1		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=136.6.							
CSEM	Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=139.0.							
ISC	**X**	**06 19 52 48.7–.39**	**39.26N–.03**	**27.06E–.03**	**13–4**		**59**	**0-3**
ISK	X	06 19 52 47.8	39.27N	27.06E	8	2.7		¶11661117
ISCJB	X	06 19 52 48.3–.46	39.26N–.03	27.07E–.03	8–4	2.7		
CSEM	X	06 19 52 48.4–.11	39.25N	27.04E	10	3.0		
DDA	X	06 19 52 48.0	39.26N	27.07E	8–5	3.0		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=19.2.							
CSEM	Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=61.0.							
ISC	**X**	**07 01 23 07.7–.41**	**37.00N–.02**	**29.13E–.03**	**5–5**		**57**	**0-2**
DDA	X	07 01 23 06.5	36.96N	29.19E	21–2	3.1		¶11661121
ISK	X	07 01 23 06.5	37.00N	29.13E	7	2.8		
ISCJB	X	07 01 23 07.5–.37	36.99N–.02	29.16E–.03	10	2.8		
CSEM	X	07 01 23 07.0–.16	36.99N	29.13E	2	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=3.3km az=6.2.							
CSEM	Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=165.0.							
ISC	**X**	**07 01 47 30.5–.79**	**37.44N–.07**	**36.16E–.05**	**15–5**		**22**	**0-2**
ISK	X	07 01 47 27.8	37.29N	36.22E	20	2.4		¶11661123
ISCJB	X	07 01 47 30.4–.82	37.44N–.06	36.15E–.05	13–5	2.4		
DDA	X	07 01 47 30.4	37.45N	36.16E	8–4	2.8		
CSEM	X	07 01 47 31.1–.40	37.60N	36.04E	8	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.7km s-min=6.4km az=173.8.							
CSEM	Event type ke. Error ellipse: s-maj=13.2km s-min=7.8km az=144.0.							
ISC	**X**	**07 02 42 21.5–.51**	**39.18N–.03**	**27.14E–.04**	**15–5**		**44**	**0-1**
ISK	X	07 02 42 18.2	39.18N	26.66E	9	2.6		¶11661124
ISCJB	X	07 02 42 21.2–.54	39.18N–.03	27.15E–.04	7–6	2.6		
CSEM	X	07 02 42 21.0–.28	39.18N	27.13E	15	2.5		
DDA	X	07 02 42 21.0	39.17N	27.18E	7–3	2.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=26.3.							
CSEM	Event type ke. Error ellipse: s-maj=6.8km s-min=5.3km az=108.0.							
ISC	**X**	**07 06 58 43.8–.74**	**37.45N–.08**	**35.89E–.07**	**35–6**		**22**	**0-1**
ISK	X	07 06 58 41.9	37.55N	35.93E	12	2.4		¶11661128
DDA	X	07 06 58 42.3	37.44N	35.91E	7–5	2.7		
ISCJB	X	07 06 58 43.4–1.0	37.44N–.08	35.91E–.07	42–18	2.7		
CSEM	X	07 06 58 43.5–.36	37.55N	35.76E	2	2.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=14.5km s-min=7.6km az=152.7.							
CSEM	Event type ke. Error ellipse: s-maj=7.6km s-min=6.1km az=145.0.							
ISC	**X**	**07 07 58 52.8–1.7**	**38.43N–.05**	**39.27E–.08**	**14–7**		**20**	**0-1**
ISCJB	X	07 07 58 52.6–1.1	38.43N–.05	39.27E–.08	13–7			¶11661130
CSEM	X	07 07 58 52.7–.31	38.47N	39.25E	10	2.5		
ISK	X	07 07 58 52.8	38.45N	39.24E	6	2.5		
DDA	X	07 07 58 52.6	38.45N	39.22E	7–5	2.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=10.3km s-min=8.0km az=19.4.							
CSEM	Event type ke. Error ellipse: s-maj=9.1km s-min=5.9km az=87.0.							
ISC	**X**	**07 08 23 54.8–.55**	**39.67N–.03**	**30.72E–.04**	**5–7**		**40**	**0-2**
ISK	X	07 08 23 51.5	39.57N	30.63E	11	2.8		¶11661131
CSEM	X	07 08 23 53.6–.39	39.70N	30.70E	8	2.8		
ISCJB	X	07 08 23 54.2–.55	39.67N–.03	30.69E–.05	10	2.8		
DDA	X	07 08 23 54.2	39.69N	30.75E	7–6	2.8		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=11.3km s-min=7.6km az=51.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.2km s-min=3.4km az=146.2.							
CSEM	**X**	**07 08 42 20.3–.27**	**37.56N**	**35.05E**	**2**	**2.9**		
DDA	X	07 08 42 18.3	37.62N	35.05E	7–6	3.1		¶11661132
ISK	X	07 08 42 19.7	37.53N	35.07E	6	2.9		
CSEM	Event type ke. Error ellipse: s-maj=6.0km s-min=5.0km az=67.0.							
ISC	**X**	**07 09 27 59.3–.61**	**37.98N–.03**	**38.19E–.05**	**13–7**		**27**	**0-1**
CSEM	X	07 09 27 57.5–.22	37.91N	38.09E	20	2.5		¶11661137
ISK	X	07 09 27 57.3	37.94N	38.10E	10	2.6		
ISCJB	X	07 09 27 59.5–.61	38.00N–.04	38.16E–.05	17–21	2.6		
DDA	X	07 09 27 59.7	38.03N	38.16E	7–1	2.5		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=137.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.2km s-min=5.7km az=27.6.							
ISC	**X**	**07 12 51 47.8–.47**	**39.66N–.03**	**29.48E–.04**	**10–4**		**53**	**1-2**
ISCJB	X	07 12 51 47.3–.54	39.66N–.03	29.48E–.03	9–5			¶11661140
CSEM	X	07 12 51 47.4–.16	39.65N	29.48E	10	2.8		
ISK	X	07 12 51 47.0	39.65N	29.47E	11	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=154.4.							
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=160.0.							
ISK	**X**	**07 14 14 25.9**	**40.99N**	**29.34E**	**5**	**2.5**		
CSEM	X	07 14 14 25.9	40.99N	29.34E	5	2.5		¶11661146
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.							
ISC	**X**	**07 16 25 34.6–.72**	**39.32N–.04**	**29.18E–.05**	**9–8**		**45**	**0-2**
ISK	X	07 16 25 32.1	39.18N	29.37E	13	2.7		¶11661149
ISCJB	X	07 16 25 33.9–.82	39.32N–.03	29.17E–.05	3–7	2.7		
CSEM	X	07 16 25 34.3–.27	39.34N	29.25E	8	2.7		
DDA	X	07 16 25 34.0	39.36N	29.18E	7–4	2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.1km s-min=4.7km az=141.9.							
CSEM	Event type ke. Error ellipse: s-maj=7.8km s-min=5.8km az=57.0.							
ISC	**X**	**07 23 54 15.3–.41**	**39.51N–.02**	**32.67E–.02**	**1–3**		**170**	**0-10**
ISK	X	07 23 54 13.6	39.54N	32.69E	5	3.8L		¶11661157
DDA	X	07 23 54 14.8	39.47N	32.65E	18–3	3.8		
ISCJB	X	07 23 54 15.2–.21	39.51N–.02	32.65E–.02	10	3.8		
CSEM	X	07 23 54 15.2–.11	39.52N	32.67E	2	3.8L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=175.6.							
CSEM	Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=168.0.							
ISC	**X**	**08 02 15 58.3–.45**	**37.55N–.04**	**36.17E–.03**	**11–4**		**56**	**0-3**
ISK	X	08 02 15 56.3	37.61N	36.17E	3	3.4		¶11661159
ISCJB	X	08 02 15 57.9–.46	37.53N–.04	36.16E–.03	12–4	3.4		
DDA	X	08 02 15 57.4	37.56N	36.20E	25–1	3.3		

CSEM X 08 02 15 58.0–.23 37.58N 36.16E 10 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=3.8km az=173.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.6km az=170.0.
ISC X 08 03 07 06.6–.57 37.66N–.03 37.53E–.03 6–4 109 0-5
ISK X 08 03 07 05.3 37.71N 37.47E 4 3.6L,3.5 **¶11661160**
DDA X 08 03 07 05.9 37.66N 37.49E 17–2 3.8,3.5
ISCJB X 08 03 07 06.3–.57 37.68N–.03 37.50E–.03 10–5 3.8,3.5
CSEM X 08 03 07 06.2–.12 37.68N 37.50E 2 3.5,3.5
NSSC X 08 03 07 14 37.14N 37.44E 12–2 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=144.9.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=140.0.
NSSC Event type se.
ISK X 08 04 10 14.4 37.74N 37.44E 17 3.0
CSEM X 08 04 10 14.7–.24 37.75N 37.43E 15 3.0 **¶11661162**
DDA X 08 04 10 15.0 37.68N 37.47E 7–2 3.0
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.8km az=149.0.
ISC X 08 06 08 41.6–.49 37.71N–.03 37.49E–.04 12–7 31 0-2
ISK X 08 06 08 40.8 37.74N 37.47E 9 2.8 **¶11661164**
ISCJB X 08 06 08 41.0–.55 37.72N–.03 37.49E–.04 3–8 2.8
CSEM X 08 06 08 41.6–.22 37.74N 37.46E 15 2.8
DDA X 08 06 08 41.4 37.68N 37.53E 7–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.0km az=43.4.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=3.8km az=143.0.
ISC X 08 08 54 23.7–.51 39.60N–.03 29.46E–.03 6–5 64 1-2
ISK X 08 08 54 22.9 39.59N 29.47E 7 2.9 **¶11661166**
ISCJB X 08 08 54 23.8–.40 39.62N–.03 29.46E–.03 10 2.9
CSEM X 08 08 54 23.7–.22 39.60N 29.48E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=141.6.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=169.0.
DDA X 08 09 07 59.3 39.23N 27.70E 7–1 2.8
¶13909630
ISC X 08 09 34 47.5–.55 37.97N–.03 35.60E–.04 10 31 1-2
ISK X 08 09 34 45.7 38.00N 35.58E 7 2.0L **¶11661167**
ISCJB X 08 09 34 46.9–.55 37.97N–.03 35.59E–.04 10 2.0L
CSEM X 08 09 34 46.9–.22 37.97N 35.60E 8 2.0L
DDA X 08 09 34 47.2 38.01N 35.62E 7–6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=136.9.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=69.0.
ISC X 08 10 21 57.6–.56 39.47N–.05 28.14E–.05 28–4 43 0-2
ISK X 08 10 21 55.3 39.31N 27.63E 9 2.7 **¶11661168**
ISCJB X 08 10 21 57.5–.56 39.47N–.05 28.13E–.05 30–4 2.7
CSEM X 08 10 21 57.1–.52 39.46N 28.12E 24–4 2.9
DDA X 08 10 21 57.4 39.47N 28.10E 7–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.9km az=32.6.
CSEM Event type ke. Error ellipse: s-maj=16.7km s-min=8.0km az=32.0.
ISC X 08 12 31 39.4–.41 36.99N–.02 29.17E–.02 3–3 3.8b 214 0-83
DDA X 08 12 31 37.9 36.98N 29.19E 24–1 3.7 **¶11661171**
NEIC X 08 12 31 38.0 36.97N 29.14E 6 3.5L,3.4L
ISK X 08 12 31 38.2 36.97N 29.13E 5 3.5,3.4L
ISCJB X 08 12 31 38.9–.43 36.99N–.02 29.16E–.02 6–3 3.8b,3.4L
IDC X 08 12 31 38.1–1.1 36.83N 29.27E 0 4.0,3.9
CSEM X 08 12 31 39.2–.13 36.99N 29.15E 2 3.5,3.9
THE X 08 12 31 42.0 37.05N 29.09E 2–1 3.4L,3.9
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=143.0.
IDC Error ellipse: s-maj=22.0km s-min=20.2km az=45.0.
CSEM Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=130.0.
ISC X 08 13 11 44.0–.47 36.96N–.02 29.12E–.03 1–4 123 0-40
CSEM X 08 13 11 43.7–.17 36.95N 29.11E 2 3.4L **¶11661172**
ISCJB X 08 13 11 43.6–.53 36.94N–.02 29.14E–.03 5–4 3.4L
ISK X 08 13 11 43.4 36.97N 29.11E 5 3.4L
NEIC X 08 13 11 43.0 36.96N 29.11E 5 3.4L
DDA X 08 13 11 43.2 36.96N 29.21E 24–1 3.4
IDC X 08 13 11 44.4–1.6 36.93N 29.24E 0 3.8b,3.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=18.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=5.1.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=32.6km s-min=22.3km az=147.0.
ISC X 08 13 15 49.1–.41 36.98N–.03 29.13E–.03 7–5 67 0-3
ISCJB X 08 13 15 48.6–.46 36.98N–.03 29.13E–.03 2–5 **¶11661173**
CSEM X 08 13 15 48.7–.16 36.98N 29.16E 5 3.2
ISK X 08 13 15 48.2 36.97N 29.14E 8 3.2
DDA X 08 13 15 48.8 37.00N 29.12E 22–2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=179.6.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=4.0.
ISC X 08 14 03 08.1–.47 37.72N–.03 37.49E–.03 10–6 35 0-2
ISK X 08 14 03 06.9 37.72N 37.48E 9 2.7 **¶11661175**
ISCJB X 08 14 03 07.4–.52 37.73N–.03 37.49E–.03 5–7 2.7
CSEM X 08 14 03 07.8–.14 37.71N 37.49E 10 2.7
DDA X 08 14 03 07.9 37.69N 37.49E 6–3 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.9km az=146.7.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.4km az=147.0.
ISC X 08 15 04 50.3–.93 38.50N–.04 39.36E–.04 16–9 22 0-2
ISCJB X 08 15 04 49.9–.63 38.49N–.04 39.38E–.04 10 **¶11661178**
CSEM X 08 15 04 49.1–.33 38.48N 39.46E 12 2.5
ISK X 08 15 04 49.2 38.49N 39.41E 16 2.5
DDA X 08 15 04 51.1 38.70N 39.49E 7–8 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.6km az=177.2.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.2km az=109.0.
ISC X 08 15 22 00.0–.78 39.75N–.06 36.26E–.04 7–9 23 1-1
ISK X 08 15 21 58.2 39.66N 36.30E 12 1.9L **¶11661179**
ISCJB X 08 15 21 59.7–.64 39.75N–.06 36.28E–.04 10 1.9L
CSEM X 08 15 21 59.3–.25 39.74N 36.26E 5 3.1
DDA X 08 15 21 59.7 39.84N 36.29E 7–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.2km az=168.6.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.2km az=173.0.
ISC X 08 15 52 04.3–.51 36.92N–.03 29.18E–.05 8–7 43 0-2
ISCJB X 08 15 52 03.9–.54 36.92N–.03 29.17E–.05 4–8 **¶11661181**
DDA X 08 15 52 03.6 36.92N 29.22E 6–5 3.2
ISK X 08 15 52 03.6 36.95N 29.15E 7 2.9
CSEM X 08 15 52 04.1–.08 36.90N 29.16E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.8km az=25.2.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.8km az=160.0.
ISC X 08 16 01 58.6–.59 37.05N–.06 29.19E–.05 17–7 36 0-2
ISCJB X 08 16 01 58.0–.71 37.02N–.06 29.16E–.06 11–8 **¶11661182**
ISK X 08 16 01 57.9 37.04N 29.16E 13 2.8
DDA X 08 16 01 57.4 36.93N 29.13E 7–10 3.1
CSEM X 08 16 01 58.4–.41 37.05N 29.23E 17–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=7.5km az=22.3.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=9.2km az=7.0.
CSEM X 08 16 04 30.3–.15 37.19N 28.20E 20 2.1L
ISK X 08 16 04 30.0 37.22N 28.20E 19 2.1L **¶11661183**
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=18.0.
ISC X 08 18 06 32.9–.57 36.97N–.05 29.14E–.08 15–9 27 0-1
ISCJB X 08 18 06 32.8–.62 36.95N–.04 29.17E–.07 21–11 **¶11661184**
CSEM X 08 18 06 32.4–.16 36.97N 29.14E 16–2 2.7

ISK X 08 18 06 32.0 36.99N 29.12E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.1km az=25.4.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.7km az=124.0.
ISC X 08 18 25 01.0–.49 36.96N–.03 29.18E–.04 9–5 48 0-3
DDA X 08 18 24 58.7 36.89N 29.23E 6–3 3.1 **¶11661185**
ISCJB X 08 18 25 00.6–.53 36.97N–.03 29.17E–.04 8–6 3.1
CSEM X 08 18 25 00.7–.17 36.97N 29.17E 8 3.0
ISK X 08 18 25 00.2 36.97N 29.17E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.8km az=33.9.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=176.0.
ISC X 08 19 08 15.1–.50 36.95N–.03 29.18E–.04 8–6 45 0-3
ISCJB X 08 19 08 14.8–.53 36.95N–.03 29.18E–.04 7–6 **¶11661187**
CSEM X 08 19 08 14.7–.09 36.93N 29.17E 8 3.0
ISK X 08 19 08 14.4 36.96N 29.16E 8 3.0
DDA X 08 19 08 14.4 36.95N 29.19E 6–3 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=26.2.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=19.0.
ISC X 08 19 29 09.0–.52 40.77N–.03 30.62E–.04 14–4 50 0-2
ISCJB X 08 19 29 08.6–.55 40.78N–.03 30.60E–.04 10–4 **¶11661188**
CSEM X 08 19 29 08.7–.09 40.75N 30.62E 12 2.7
ISK X 08 19 29 08.8 40.69N 30.62E 20 2.8
DDA X 08 19 29 08.9 40.74N 30.65E 7–1 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=168.5.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=179.0.
ISC X 08 19 39 20.9–.60 36.98N–.04 29.20E–.05 3–9 31 0-3
ISCJB X 08 19 39 20.5–.65 36.99N–.04 29.19E–.05 1–10 **¶11661189**
CSEM X 08 19 39 20.6–.09 36.96N 29.22E 5 2.9
ISK X 08 19 39 20.3 36.96N 29.22E 7 2.9
DDA X 08 19 39 20.8 36.96N 29.28E 7–6 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.0km az=33.2.
CSEM Event type ke.
ISC X 08 20 05 13.2–.52 39.99N–.04 41.41E–.03 7–4 35 0-2
CSEM X 08 20 05 11.9–.11 40.02N 41.46E 1–0 3.2 **¶11661191**
ISK X 08 20 05 11.7 40.05N 41.43E 4 3.1
ISCJB X 08 20 05 12.9–.53 40.00N–.04 41.39E–.03 7–4 3.1
DDA X 08 20 05 13.0 39.93N 41.43E 9–1 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.5km az=8.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=10.5.
ISC X 08 22 48 35.3–.51 36.94N–.03 29.17E–.05 10–6 37 0-1
ISK X 08 22 48 34.8 36.94N 29.18E 13 2.7 **¶11661192**
CSEM X 08 22 48 34.9–.24 36.94N 29.16E 8 2.7
DDA X 08 22 48 34.8 36.97N 29.18E 7–6 2.9
ISCJB X 08 22 48 35.0–.55 36.94N–.04 29.17E–.05 7–8 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 08 23 11 12.2–.51 36.96N–.03 29.10E–.05 11–6 41 0-1
ISCJB X 08 23 11 11.9–.58 36.96N–.03 29.09E–.05 6–7 **¶11661193**
ISK X 08 23 11 11.5 36.99N 29.08E 10 2.8
CSEM X 08 23 11 12.1–.10 36.97N 29.09E 8 2.8
DDA X 08 23 11 12.1 36.97N 29.17E 7–4 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=23.5.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=37.0.
ISC X 08 23 18 30.9–.63 37.56N–.07 35.66E–.04 6–15 30 0-1
ISK X 08 23 18 29.1 37.59N 35.68E 5 1.6L **¶11661194**
ISCJB X 08 23 18 30.3–.61 37.55N–.04 35.66E–.04 10 1.6L
CSEM X 08 23 18 30.1–.35 37.56N 35.65E 10 1.6L
DDA X 08 23 18 30.5 37.38N 35.68E 7–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=165.0.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=6.3km az=159.0.
ISC X 09 01 42 45.3–.47 36.96N–.03 29.12E–.03 7–4 70 0-3
ISCJB X 09 01 42 44.8–.53 36.96N–.03 29.13E–.03 5–5 **¶11661198**
CSEM X 09 01 42 44.9–.13 36.96N 29.13E 5 3.2
DDA X 09 01 42 44.4 36.95N 29.22E 7–5 3.2
ISK X 09 01 42 44.6 36.95N 29.13E 8 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.4km az=25.1.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=22.0.
ISC X 09 02 13 26.7–.52 36.95N–.03 29.14E–.04 11–11 33 0-1
ISK X 09 02 13 24.8 36.95N 29.13E 5 2.7 **¶11661200**
ISCJB X 09 02 13 26.5–.50 36.95N–.03 29.16E–.04 10 2.7
CSEM X 09 02 13 26.0–.23 36.94N 29.18E 10 2.7
DDA X 09 02 13 26.5 36.98N 29.16E 7–6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.2km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=151.0.
ISC X 09 02 19 47.3–.51 36.95N–.03 29.15E–.04 7–7 42 0-2
ISCJB X 09 02 19 46.9–.56 36.96N–.03 29.14E–.05 1–8 **¶11661201**
ISK X 09 02 19 46.8 36.95N 29.16E 11 2.8
CSEM X 09 02 19 47.2–.09 36.96N 29.17E 8 2.8
DDA X 09 02 19 47.4 36.99N 29.13E 7–6 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.5km az=25.6.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=20.0.
ISC X 09 02 47 08.3–.49 38.75N–.03 40.04E–.03 12–5 38 0-2
ISCJB X 09 02 47 07.8–.66 38.75N–.03 40.04E–.03 5–6 **¶11661202**
CSEM X 09 02 47 07.9–.38 38.84N 40.03E 2 2.6
ISK X 09 02 47 07.2 38.90N 40.01E 5 2.6
DDA X 09 02 47 07.3 38.77N 40.06E 7–4 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=32.2.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=7.7km az=17.0.
ISC X 09 02 48 04.0–.53 38.73N–.03 40.02E–.03 12–5 34 0-2
ISK X 09 02 48 02.6 38.78N 39.99E 5 2.8 **¶11661203**
DDA X 09 02 48 03.0 38.77N 40.05E 12–3 2.7
ISCJB X 09 02 48 03.6–.71 38.73N–.03 40.01E–.03 7–6 2.7
CSEM X 09 02 48 03.6–.33 38.78N 39.98E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.2km az=25.7.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=6.7km az=31.0.
ISC X 09 03 15 03.6–.36 38.38N–.02 27.20E–.02 4–3 145 0-4
DDA X 09 03 15 01.8 38.40N 27.22E 24–1 3.3 **¶11661205**
ATH X 09 03 15 02.8 38.36N 27.20E 41–5 3.4
THE X 09 03 15 03.2 38.35N 27.22E 9–2 3.1L
ISK X 09 03 15 03.4 38.39N 27.22E 5 3.3
CSEM X 09 03 15 03.5–.12 38.36N 27.18E 2 3.3
ISCJB X 09 03 15 03.3–.38 38.39N–.02 27.20E–.02 7–3 3.3
ISC Event type ke.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
DDA X 09 08 55 24.6 38.73N 38.87E 7–1 2.5
¶13909650
ISC X 09 08 55 51.1–.56 37.21N–.04 28.20E–.04 10 27 0-1
ISK X 09 08 55 48.8 37.33N 28.27E 17 2.9 **¶11661209**
CSEM X 09 08 55 49.9–.32 37.22N 28.19E 26–4 2.9
ISCJB X 09 08 55 50.6–.56 37.22N–.04 28.21E–.04 10 2.9
DDA X 09 08 55 50.8 37.24N 28.20E 9–2 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.9km az=23.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=28.4.
ISC X 09 10 00 50.8–.55 36.96N–.03 29.18E–.06 9–9 31 0-2
ISCJB X 09 10 00 50.4–.56 36.96N–.03 29.17E–.06 4–9 **¶11661212**

DDA X 09 10 00 50.5 37.00N 29.21E 7–3 2.8
CSEM X 09 10 00 50.8–.08 36.95N 29.20E 10 2.8
ISK X 09 10 00 50.2 36.94N 29.19E 9 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.1km az=19.7.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=162.0.
ISK X 09 11 24 44.8 37.47N 28.10E 11 1.6L
CSEM X 09 11 24 45.2–.24 37.46N 28.09E 19–2 1.6L ¶11661215
DDA X 09 11 24 46.0 37.42N 28.04E 7–2 2.7
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=56.0.
CSEM X 09 11 40 58.1–.19 39.49N 33.05E 8 2.9
ISK X 09 11 40 57.5 39.46N 33.10E 6 2.9 ¶11661216
DDA X 09 11 40 58.7 39.42N 33.12E 7–1 2.8
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.7km az=138.0.
ISC X 09 11 55 54.3–.59 37.20N–.05 37.25E–.05 10–5 31 0-2
CSEM X 09 11 55 53.8–.06 37.21N 37.25E 10 2.1L ¶11661217
ISK X 09 11 55 53.3 37.23N 37.27E 7 2.1L
ISCJB X 09 11 55 54.2–.65 37.20N–.04 37.26E–.04 5–5 2.1L
DDA X 09 11 55 54.3 37.11N 37.33E 7–2 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=172.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.1km az=151.9.
ISC X 09 12 00 43.4–.68 40.56N–.04 35.07E–.04 10–7 28 0-2
ISCJB X 09 12 00 42.7–.68 40.55N–.04 35.09E–.04 10 ¶11661218
CSEM X 09 12 00 42.9–.09 40.53N 35.05E 10 2.8
ISK X 09 12 00 42.3 40.57N 35.06E 8 2.2L
DDA X 09 12 00 45.1 40.48N 34.90E 8–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=167.2.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=164.0.
ISC X 09 12 25 57.2–.71 37.64N–.04 34.63E–.05 10 26 0-2
DDA X 09 12 25 55.6 37.62N 34.50E 7–7 2.9 ¶11661219
ISCJB X 09 12 25 57.0–.73 37.63N–.04 34.65E–.05 10 2.9
ISK X 09 12 25 56.0 37.68N 34.66E 13 2.1L
CSEM X 09 12 25 57.0–.24 37.66N 34.68E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.5km az=149.9.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.9km az=37.0.
ISC X 09 13 28 32.4–.46 37.23N–.03 28.21E–.04 2–9 44 0-1
ISCJB X 09 13 28 31.9–.43 37.22N–.03 28.21E–.04 10 ¶11661221
ISK X 09 13 28 31.8 37.21N 28.18E 7 2.4L
DDA X 09 13 28 31.8 37.22N 28.19E 7–3 2.7
CSEM X 09 13 28 32.2–.13 37.23N 28.19E 5 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=32.5.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=21.0.
DDA X 09 13 39 10.0 36.74N 33.05E 4–3 2.6
CSEM X 09 13 39 08.3–.33 37.00N 32.87E 2 2.6 ¶13909657
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=6.8km az=173.0.
ISC X 09 14 07 54.4–.47 37.71N–.03 37.51E–.03 9–6 45 0-2
ISCJB X 09 14 07 53.8–.55 37.71N–.03 37.51E–.03 4–7 ¶11661222
CSEM X 09 14 07 53.8–.19 37.73N 37.52E 8 2.9
ISK X 09 14 07 53.2 37.74N 37.49E 9 2.9
DDA X 09 14 07 54.2 37.70N 37.49E 7–5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=145.2.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=157.0.
ISC X 09 14 29 13.2–.50 36.94N–.03 35.48E–.04 17–4 37 0-2
CSEM X 09 14 29 12.9–.27 36.89N 35.46E 10 3.1 ¶11661224
DDA X 09 14 29 12.3 36.91N 35.51E 7–6 3.1
ISCJB X 09 14 29 13.0–.48 36.93N–.03 35.46E–.04 10 3.1
ISK X 09 14 29 13.1 36.97N 35.44E 9 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.2km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=39.3.
ISC X 09 14 34 34.4–.43 40.45N–.03 30.04E–.03 3–5 57 0-2
ISCJB X 09 14 34 33.9–.47 40.45N–.03 30.06E–.03 0–6 ¶11661225
ISK X 09 14 34 33.6 40.43N 30.03E 10 2.7
DDA X 09 14 34 33.8 40.42N 30.04E 4–2 2.8
CSEM X 09 14 34 34.0–.08 40.43N 30.03E 7–1 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=27.9.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=25.0.
ISC X 09 15 05 02.9–.78 38.67N–.05 39.66E–.05 10 24 0-4
DDA X 09 15 05 00.1 38.76N 39.77E 7–11 2.7 ¶13909660
ISCJB X 09 15 05 02.7–.76 38.66N–.05 39.66E–.05 10 2.7
CSEM X 09 15 05 02.6–.29 38.68N 39.65E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.0km az=34.4.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.9km az=49.0.
ISC X 09 16 04 56.0–.41 36.89N–.03 35.47E–.04 24–4 59 0-2
ISCJB X 09 16 04 55.9–.41 36.89N–.03 35.47E–.04 25–4 ¶11661229
CSEM X 09 16 04 55.8–.17 36.89N 35.47E 15 3.2
ISK X 09 16 04 55.6 36.96N 35.44E 17 2.5L
DDA X 09 16 04 55.1 36.86N 35.44E 7–5 3.2
NSSC X 09 16 05 00 36.64N 35.83E 7–2 3.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.8km s-min=4.2km az=138.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=40.0.
NSSC Event type fe.
ISC X 09 16 08 09.1–.60 39.05N–.03 41.23E–.04 2–5 34 0-2
DDA X 09 16 08 07.9 39.08N 41.18E 7–2 3.0 ¶11661230
ISCJB X 09 16 08 08.6–.74 39.06N–.03 41.21E–.04 1–6 3.0
CSEM X 09 16 08 08.0–.47 38.94N 41.24E 5 2.7
ISK X 09 16 08 09.2 39.11N 41.13E 17 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.6km az=136.3.
CSEM Event type ke. Error ellipse: s-maj=16.6km s-min=6.6km az=164.0.
ISC X 09 16 36 49.2–.33 40.71N–.02 29.23E–.03 7–3 99 0-2
DDA X 09 16 36 47.9 40.72N 29.23E 22–1 3.1 ¶11661232
ISCJB X 09 16 36 48.8–.33 40.71N–.02 29.23E–.03 5–3 3.1
ISK X 09 16 36 48.7 40.71N 29.22E 8 2.9
CSEM X 09 16 36 49.2–.05 40.71N 29.22E 8 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=17.0.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=23.0.
ISC X 09 18 43 40.1–.49 36.92N–.04 35.51E–.05 24–5 44 0-3
ISCJB X 09 18 43 39.9–.47 36.91N–.04 35.50E–.05 25–5 ¶11661235
ISK X 09 18 43 39.7 36.96N 35.45E 16 2.6L
CSEM X 09 18 43 40.2–.19 36.92N 35.49E 20 2.6L
NSSC X 09 18 43 44 36.74N 35.83E 15–5 2.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.1km s-min=5.3km az=145.2.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=54.0.
NSSC Event type fe.
ISC X 09 18 57 42.3–.69 36.94N–.03 29.16E–.05 11–12 27 0-1
ISCJB X 09 18 57 41.9–.57 36.95N–.03 29.15E–.04 10 ¶11661236
ISK X 09 18 57 41.6 36.93N 29.15E 12 1.8L
CSEM X 09 18 57 42.4–.13 36.94N 29.13E 2 1.8L
DDA X 09 18 57 42.3 36.99N 29.18E 7–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.3km az=14.1.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=78.0.
ISC X 09 19 39 03.7–.52 37.72N–.03 37.45E–.04 4–7 40 0-3
DDA X 09 19 39 02.8 37.70N 37.48E 3–3 3.3 ¶11661237
ISCJB X 09 19 39 03.1–.54 37.73N–.03 37.44E–.04 2–7 3.3
CSEM X 09 19 39 03.6–.28 37.75N 37.43E 5 3.0
ISK X 09 19 39 03.7 37.78N 37.34E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=147.5.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=5.2km az=145.0.

ISC X 09 19 45 24.5–.49 36.96N–.04 35.50E–.05 31–4 37 0-2
ISK X 09 19 45 23.6 36.97N 35.45E 30 3.0 ¶11661238
CSEM X 09 19 45 24.1–.17 36.93N 35.49E 30 3.0
DDA X 09 19 45 25.0 36.81N 35.37E 8–4 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.3km az=38.0.
ISC X 09 22 02 13.3–.82 36.99N–.03 29.15E–.04 18–11 27 0-1
CSEM X 09 22 02 12.9–.12 36.97N 29.18E 20 2.9 ¶11661241
ISK X 09 22 02 12.0 36.99N 29.15E 5 1.5L
ISCJB X 09 22 02 13.3–.59 36.99N–.03 29.15E–.04 12–8 1.5L
DDA X 09 22 02 14.9 37.12N 29.35E 36–4 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.2km az=146.4.
ISC X 09 22 10 41.1–.55 39.57N–.04 27.98E–.05 18–6 30 0-1
ISCJB X 09 22 10 41.3–.61 39.57N–.03 27.98E–.05 17–9 ¶11661242
CSEM X 09 22 10 41.0–.12 39.56N 27.99E 17–1 2.4
DDA X 09 22 10 41.1 39.56N 27.98E 7–2 2.9
ISK X 09 22 10 41.2 39.60N 28.03E 13 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=151.3.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=78.0.
ISC X 09 22 52 57.2–.75 36.98N–.03 29.14E–.07 10–8 24 0-1
ISCJB X 09 22 52 56.9–.78 36.98N–.03 29.13E–.07 2–12 ¶11661244
CSEM X 09 22 52 56.4–.15 36.99N 29.13E 15 2.8
ISK X 09 22 52 56.9 36.96N 29.16E 6 1.3L
DDA X 09 22 52 57.4 37.01N 29.20E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=4.8km az=10.8.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=99.0.
DDA X 09 23 40 08.9 39.22N 41.46E 7–6 3.0
CSEM X 09 23 40 09.1–.29 39.26N 41.40E 15 3.0 ¶13909664
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=6.0km az=153.0.
ISC X 10 01 05 00.0–.53 36.98N–.03 29.18E–.06 9–9 31 0-1
ISCJB X 10 01 04 59.6–.59 36.98N–.03 29.16E–.06 2–12 ¶11661245
ISK X 10 01 04 59.6 36.95N 29.21E 10 2.1L
CSEM X 10 01 05 00.1–.16 36.97N 29.20E 10 2.1L
DDA X 10 01 05 00.6 37.06N 29.15E 7–7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.0km az=18.2.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=11.0.
ISC X 10 01 34 35.6–.58 39.36N–.02 40.74E–.04 3–5 50 1-2
ISCJB X 10 01 34 34.9–.62 39.36N–.02 40.74E–.04 0–6 ¶11661246
ISK X 10 01 34 34.8 39.35N 40.72E 8 2.9
DDA X 10 01 34 34.9 39.35N 40.77E 15–2 3.1
CSEM X 10 01 34 35.2–.22 39.37N 40.71E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=179.9.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.7km az=122.0.
ISC X 10 02 22 49.2–.64 40.13N–.04 29.94E–.05 7–8 26 0-1
CSEM X 10 02 22 48.8–.22 40.12N 29.95E 5 1.6L ¶11661247
ISK X 10 02 22 48.3 40.14N 29.92E 13 1.6L
DDA X 10 02 22 48.6 40.13N 29.93E 7–4 2.8
ISCJB X 10 02 22 49.0–.61 40.16N–.04 29.95E–.05 10 2.8
ISC Event type ke.
CSEM Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 10 03 56 33.9–.44 40.42N–.03 26.94E–.04 9–6 42 0-1
ISCJB X 10 03 56 33.6–.47 40.42N–.03 26.95E–.04 5–6 ¶11661248
CSEM X 10 03 56 33.7–.10 40.42N 26.94E 8 2.8
ISK X 10 03 56 33.2 40.41N 26.94E 10 2.8
DDA X 10 03 56 34.1 40.42N 27.00E 7–8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.7km az=146.8.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=15.0.
ISC X 10 04 55 10.1–.58 38.31N–.04 38.28E–.04 12–7 27 0-1
CSEM X 10 04 55 07.5–.23 38.25N 38.22E 30 2.6 ¶11661249
DDA X 10 04 55 08.8 38.27N 38.29E 7–10 2.8
ISK X 10 04 55 09.6 38.36N 38.31E 17 2.6
ISCJB X 10 04 55 10.0–.57 38.32N–.04 38.27E–.04 6–7 2.6
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 10 05 54 41.6–.50 37.37N–.05 35.87E–.04 18–4 29 0-2
CSEM X 10 05 54 39.8–.43 37.52N 35.88E 30 1.7L ¶11661250
ISK X 10 05 54 40.1 37.42N 35.83E 27 1.7L
DDA X 10 05 54 40.9 37.29N 35.96E 7–7 2.7
ISCJB X 10 05 54 41.5–.53 37.35N–.04 35.87E–.04 15–4 2.7
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 10 06 36 56.3–.36 39.48N–.01 33.04E–.02 7–2 4.3b,3.7s 588 0-83
IDC X 10 06 36 54.6–.49 39.45N 33.04E 0 4.3b,4.3 ¶13396540
MOS X 10 06 36 54.3–1.4 39.44N 33.04E 12 4.4b,4.3
DDA X 10 06 36 54.4 39.39N 33.11E 2–1 4.6L,4.3
BJI X 10 06 36 54.6 39.44N 32.47E 37 5.0s,4.8b
CSEM X 10 06 36 55.9–.08 39.48N 33.05E 5 4.5b,3.8s
ISCJB X 10 06 36 56.0–.43 39.50N–.01 33.04E–.01 15–3 4.3b,3.7s
ISK X 10 06 36 55.1 39.45N 33.03E 8 4.6L,3.7s
THE X 10 06 36 57.9 39.67N 33.22E 27–43 4.6L,3.7s
NEIC X 10 06 36 59.0 39.46N 33.05E 7 4.5L,4.2b
ISC Event type fe.
IDC Error ellipse: s-maj=10.1km s-min=7.0km az=158.0.
MOS Error ellipse: s-maj=6.1km s-min=4.0km az=101.6.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=174.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.9km az=166.2.
THE Event type ke. Error ellipse: s-maj=43.9km s-min=2.5km az=67.0.
NEIC Event type fe. Felt at Ankara. After ISK.
ISC X 10 07 47 04.7–.51 36.96N–.03 29.15E–.05 9–7 33 0-2
ISCJB X 10 07 47 04.3–.59 36.96N–.03 29.15E–.05 8–6 ¶11661252
CSEM X 10 07 47 04.4–.18 36.97N 29.15E 8 2.8
ISK X 10 07 47 04.3 36.96N 29.14E 9 2.8
DDA X 10 07 47 04.1 36.95N 29.22E 7–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.0km az=178.2.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=4.0km az=63.0.
ISC X 10 10 15 52.7–.64 40.05N–.03 27.61E–.05 14–5 29 0-1
ISK X 10 10 15 51.9 40.02N 27.61E 17 2.2L ¶11661253
ISCJB X 10 10 15 52.3–.65 40.07N–.03 27.59E–.06 13–4 2.2L
DDA X 10 10 15 52.8 40.04N 27.67E 7–4 2.5
CSEM X 10 10 15 53.0–.42 40.03N 27.64E 12 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.3km az=159.1.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=6.0km az=99.0.
ISC X 10 13 02 59.7–.55 36.98N–.03 29.12E–.03 5–4 3.6b 80 0-40
ISCJB X 10 13 02 58.8–.62 36.96N–.03 29.12E–.03 2–5 3.6b ¶11661254
ISK X 10 13 02 59.4 37.02N 29.14E 10 3.2L
IDC X 10 13 02 59.2–1.6 36.89N 29.23E 0 3.6b,3.5
DDA X 10 13 02 59.1 37.00N 29.15E 2–4 3.3,3.5
NEIC X 10 13 02 59.1 37.00N 29.15E 2 3.3,3.0L
CSEM X 10 13 02 59.5–.18 36.98N 29.13E 5 3.2L,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=11.9.
IDC Error ellipse: s-maj=36.9km s-min=22.6km az=142.0.
NEIC Event type se. After DDA.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=8.0.
ISC X 10 14 26 18.7–.47 36.97N–.03 29.16E–.04 9–5 62 0-2
ISK X 10 14 26 17.8 36.98N 29.17E 6 3.0 ¶11661255
ISCJB X 10 14 26 18.2–.51 36.98N–.03 29.14E–.03 3–5 3.0
CSEM X 10 14 26 18.6–.11 36.95N 29.20E 10 3.0
DDA X 10 14 26 18.7 37.00N 29.11E 7–6 3.1

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=20.2.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=85.0.
ISC X 10 14 40 12.6–.48 36.96N–.03 29.10E–.03 11–6 49 0-3
ISCJB X 10 14 40 12.0–.61 36.96N–.03 29.10E–.04 3–7 ¶11661256
ISK X 10 14 40 11.6 36.97N 29.09E 7 3.0
CSEM X 10 14 40 12.3–.08 36.97N 29.10E 10 3.0
DDA X 10 14 40 12.6 36.97N 29.13E 7–6 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.9km az=144.9.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=179.0.
ISC X 10 16 51 11.5–.41 40.13N–.03 29.96E–.03 2 50 0-2
ISK X 10 16 51 10.9 40.16N 29.97E 4 2.6 ¶11661258
DDA X 10 16 51 10.5 40.14N 29.97E 11–5 2.9
ISCJB X 10 16 51 11.2–.41 40.13N–.03 29.99E–.03 2 2.9
CSEM X 10 16 51 11.3–.18 40.13N 29.97E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=1.4.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=179.0.
ISC X 10 23 30 11.1–.43 39.71N–.03 27.77E–.04 14–3 44 0-1
CSEM X 10 23 30 10.9–.14 39.72N 27.79E 12 3.0 ¶11661260
DDA X 10 23 30 10.2 39.72N 27.76E 18–2 3.0
ISCJB X 10 23 30 11.2–.46 39.72N–.03 27.78E–.04 12–3 3.0
ISK X 10 23 30 11.0 39.75N 27.85E 13 2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=35.2.
ISC X 11 05 27 34.0–.47 37.01N–.03 29.16E–.04 6–6 48 0-3
ISCJB X 11 05 27 33.5–.53 37.01N–.03 29.16E–.04 2–7 ¶11661261
CSEM X 11 05 27 33.6–.16 37.01N 29.17E 5 2.8
ISK X 11 05 27 33.1 37.00N 29.18E 7 2.8
DDA X 11 05 27 33.5 37.01N 29.17E 7–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=14.9.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.2km az=61.0.
ISC X 11 07 51 50.7–.58 38.05N–.03 38.59E–.04 15–7 26 0-1
CSEM X 11 07 51 49.1–.33 38.01N 38.54E 30 2.5 ¶11661262
ISK X 11 07 51 49.8 38.02N 38.54E 5 2.5
ISCJB X 11 07 51 50.8–.66 38.06N–.03 38.58E–.05 25–15 2.5
DDA X 11 07 51 50.5 38.11N 38.59E 7–7 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=7.1km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.2km az=25.6.
ISC X 11 08 00 12.0–.58 36.98N–.03 29.14E–.05 7–8 32 0-1
ISCJB X 11 08 00 11.5–.63 36.98N–.03 29.13E–.05 2–10 ¶11661263
CSEM X 11 08 00 11.7–.26 36.97N 29.14E 5 2.8
DDA X 11 08 00 11.2 36.97N 29.17E 7–5 2.8
ISK X 11 08 00 12.1 36.91N 29.11E 13 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=11.3.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=5.0km az=87.0.
ISC X 11 08 07 32.9–.50 36.98N–.03 29.13E–.04 5–8 44 0-2
DDA X 11 08 07 32.0 36.99N 29.15E 7–6 3.0 ¶11661264
ISCJB X 11 08 07 32.8–.49 36.97N–.03 29.16E–.04 10 3.0
CSEM X 11 08 07 32.5–.22 36.99N 29.14E 5 2.1L
ISK X 11 08 07 32.2 36.98N 29.15E 8 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.0km az=25.9.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.6km az=57.0.
ISC X 11 09 25 10.9–.71 37.27N–.04 30.64E–.04 106–7 72 0-3
ISCJB X 11 09 25 10.4–.71 37.28N–.04 30.64E–.04 107–6 ¶11661265
CSEM X 11 09 25 10.6–.47 37.31N 30.69E 100 3.3
ISK X 11 09 25 10.1 37.33N 30.65E 108 3.3
DDA X 11 09 25 12.0 37.25N 30.67E 52–7 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=166.4.
CSEM Event type ke. Error ellipse: s-maj=16.6km s-min=11.7km az=1.0.
ISC X 11 09 34 22.3–.48 36.99N–.03 29.16E–.04 9–6 48 0-3
ISCJB X 11 09 34 22.0–.52 36.99N–.03 29.16E–.03 5–6 ¶11661266
CSEM X 11 09 34 21.9–.18 36.98N 29.17E 8 3.0
ISK X 11 09 34 21.3 36.98N 29.16E 6 3.0
DDA X 11 09 34 22.2 36.98N 29.18E 9–5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.6km az=168.3.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=7.0.
ISC X 11 11 44 10.3–1.1 37.04N–.06 28.37E–.08 15–8 17 0-1
CSEM X 11 11 44 08.4–.93 36.90N 28.22E 12 3.1L ¶13909752
ISCJB X 11 11 44 10.1–.89 37.01N–.06 28.35E–.08 14–6 3.1L
DDA X 11 11 44 10.3 37.01N 28.20E 7–7 3.1L,3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=20.8km s-min=9.5km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=7.1km az=135.4.
ISC X 11 16 22 31.5–.88 37.52N–.07 35.68E–.04 10 19 0-1
ISK X 11 16 22 29.9 37.53N 35.66E 3 1.5L ¶11661268
ISCJB X 11 16 22 31.1–.87 37.52N–.06 35.68E–.04 10 1.5L
CSEM X 11 16 22 31.3–.41 37.51N 35.67E 2 1.5L
DDA X 11 16 22 31.7 37.45N 35.68E 7–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=4.7km az=166.9.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=5.3km az=168.0.
ISC X 11 18 08 02.0–.42 40.08N–.02 41.93E–.03 0–4 61 0-3
ISK X 11 18 08 00.4 40.07N 41.92E 5 3.2 ¶11661269
ISCJB X 11 18 08 01.4–.43 40.08N–.02 41.94E–.03 1–4 3.2
CSEM X 11 18 08 01.4–.20 40.07N 41.96E 2 3.8L
DDA X 11 18 08 01.0 40.06N 41.88E 8–1 3.8L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=0.1.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=35.0.
ISC X 11 20 55 44.2–.45 36.97N–.03 29.15E–.03 7–5 52 0-3
ISCJB X 11 20 55 43.7–.54 36.97N–.03 29.15E–.03 2–6 ¶11661270
CSEM X 11 20 55 43.6–.09 36.96N 29.16E 2 3.0
DDA X 11 20 55 43.5 36.97N 29.15E 7–5 3.2
ISK X 11 20 55 43.4 36.94N 29.17E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.4km az=9.8.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=176.0.
ISC X 11 22 48 43.7–.58 36.89N–.04 35.41E–.04 18–4 36 0-2
ISCJB X 11 22 48 43.7–.61 36.90N–.04 35.41E–.04 13–4 ¶11661271
CSEM X 11 22 48 43.6–.29 36.90N 35.44E 15 3.0
ISK X 11 22 48 43.9 36.99N 35.43E 12 2.0L
DDA X 11 22 48 43.3 36.85N 35.44E 8–5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.5km az=40.1.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.3km az=47.0.
ISC X 12 03 18 20.1–.48 39.13N–.03 29.42E–.02 0–5 76 1-2
DDA X 12 03 18 19.7 39.16N 29.41E 8–6 2.9 ¶11661274
ISCJB X 12 03 18 20.6–.32 39.10N–.03 29.40E–.03 10 2.9
CSEM X 12 03 18 20.2–.13 39.14N 29.40E 2 2.9
ISK X 12 03 18 20.1 39.12N 29.37E 6 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=168.0.
ISC X 12 06 46 43.2–.39 38.92N–.03 28.11E–.03 5–5 62 0-2
ISCJB X 12 06 46 43.0–.43 38.92N–.03 28.11E–.03 6–4 ¶11661275
DDA X 12 06 46 42.4 38.94N 28.10E 7–5 2.8
ISK X 12 06 46 42.8 38.92N 28.11E 6 2.7
CSEM X 12 06 46 43.1–.11 38.93N 28.11E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=166.2.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=149.0.
ISC X 12 08 15 35.1–.34 40.52N–.03 34.88E–.03 10 66 0-4
DDA X 12 08 15 32.7 40.49N 34.84E 9–0 3.3 ¶11661276
ISCJB X 12 08 15 34.4–.34 40.51N–.03 34.88E–.03 10 3.3
CSEM X 12 08 15 34.5–.17 40.51N 34.88E 2 3.3
ISK X 12 08 15 34.2 40.49N 34.88E 8 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=12.8.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=17.0.
ISC X 12 09 09 44.1–.70 39.42N–.05 28.13E–.06 15–6 30 0-1
DDA X 12 09 09 42.6 39.42N 28.08E 10–3 2.8 ¶11661277
ISCJB X 12 09 09 43.7–.72 39.41N–.05 28.11E–.06 11–7 2.8
CSEM X 12 09 09 43.4–.33 39.43N 28.15E 10 2.1L
ISK X 12 09 09 43.3 39.45N 28.20E 8 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.8km az=40.8.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=4.9km az=41.0.
DDA X 12 09 55 38.2 39.38N 28.13E 7–5 2.7 ¶13909775
ISC X 12 12 01 58.9–.80 38.14N–.04 42.56E–.04 15–7 35 0-3
DDA X 12 12 01 56.5 38.19N 42.61E 7–7 3.0 ¶11661278
ISK X 12 12 01 57.0 38.07N 42.58E 5 3.0
ISCJB X 12 12 01 58.5–.79 38.14N–.04 42.57E–.03 13–6 3.0
CSEM X 12 12 01 58.2–.34 38.13N 42.62E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=15.2.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=7.0km az=19.0.
ISC X 13 00 16 34.6–.61 37.91N–.03 43.55E–.06 6–6 38 0-3
ISCJB X 13 00 16 34.0–.65 37.90N–.03 43.56E–.08 5–8 ¶11661281
CSEM X 13 00 16 33.8–.28 37.85N 43.47E 8 3.1
ISK X 13 00 16 33.9 37.88N 43.42E 14 3.3
DDA X 13 00 16 34.2 37.91N 43.46E 12–5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=4.9km az=176.6.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=5.5km az=74.0.
ISC X 13 08 45 23.0–.42 39.49N–.03 28.19E–.03 12–5 44 0-1
ISK X 13 08 45 21.9 39.49N 28.22E 6 2.2L ¶11661285
ISCJB X 13 08 45 22.6–.44 39.49N–.03 28.19E–.03 6–5 2.2L
CSEM X 13 08 45 22.4–.16 39.49N 28.21E 10 2.9
DDA X 13 08 45 22.6 39.48N 28.17E 8–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=38.5.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=54.0.
ISC X 13 09 03 35.8–.58 36.99N–.03 29.07E–.05 5–9 38 0-3
ISCJB X 13 09 03 35.6–.51 36.98N–.03 29.10E–.04 10 ¶11661286
ISK X 13 09 03 35.1 36.99N 29.10E 8 2.9
CSEM X 13 09 03 35.5–.14 36.99N 29.10E 5 2.9
DDA X 13 09 03 35.9 36.99N 29.15E 7–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=36.1.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=174.0.
ISC X 13 10 54 30.2–.46 36.97N–.03 29.06E–.03 7–6 50 0-3
ISCJB X 13 10 54 29.9–.44 36.98N–.03 29.06E–.04 10 ¶11661288
CSEM X 13 10 54 29.4–.19 36.99N 29.03E 2 3.0
ISK X 13 10 54 29.0 37.00N 29.06E 7 3.0
DDA X 13 10 54 30.1 36.96N 29.16E 7–3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=0.7.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=20.0.
ISC X 13 11 02 22.8–.59 38.26N–.03 29.67E–.04 13–4 40 0-2
DDA X 13 11 02 21.8 38.23N 29.68E 16–2 3.2 ¶13909800
ISCJB X 13 11 02 22.6–.64 38.25N–.03 29.67E–.04 11–5 3.2
CSEM X 13 11 02 22.1–.25 38.23N 29.69E 10 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.7km az=24.2.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.9km az=130.0.
ISC X 13 11 25 30.5–.52 39.38N–.02 38.37E–.05 11–5 47 0-2
ISK X 13 11 25 27.9 39.37N 38.31E 5 3.0 ¶11661289
CSEM X 13 11 25 29.8–.17 39.37N 38.39E 10 3.4
ISCJB X 13 11 25 30.2–.70 39.39N–.03 38.38E–.05 7–6 3.4
DDA X 13 11 25 30.9 39.40N 38.41E 10–0 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=83.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=4.8.
ISC X 13 13 36 40.9–.44 39.16N–.02 29.40E–.03 2–5 67 0-2
ISCJB X 13 13 36 40.8–.34 39.14N–.02 29.42E–.03 10 ¶11661293
CSEM X 13 13 36 40.8–.08 39.16N 29.41E 2 3.0
DDA X 13 13 36 40.6 39.12N 29.38E 7–3 3.0
ISK X 13 13 36 40.5 39.12N 29.39E 7 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=0.1.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=110.0.
DDA X 13 13 45 05.6 36.08N 29.05E 5–5 2.8
CSEM X 13 13 45 04.9–.83 35.88N 29.21E 30 2.8 ¶13909806
CSEM Event type ke. Error ellipse: s-maj=18.0km s-min=8.9km az=171.0.
ISC X 13 16 16 01.1–.35 40.32N–.03 29.67E–.03 9–3 88 0-2
ISCJB X 13 16 16 00.7–.36 40.32N–.02 29.67E–.03 7–3 ¶11661297
CSEM X 13 16 16 00.9–.17 40.32N 29.68E 2 2.8
ISK X 13 16 16 00.5 40.29N 29.67E 8 2.8
DDA X 13 16 16 00.3 40.28N 29.67E 6–5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=29.1.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=28.0.
ISC X 13 23 56 00.2–1.5 37.18N–.08 29.50E–.10 47–10 21 0-1
ISCJB X 13 23 55 59.9–1.5 37.18N–.08 29.49E–.10 49–10 ¶13909811
DDA X 13 23 55 59.7 36.97N 29.17E 7–5 2.9
CSEM X 13 23 56 00.0–.29 37.11N 29.53E 40 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.3km s-min=9.2km az=41.9.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=7.3km az=32.0.
ISC X 14 00 57 56.7–.64 38.83N–.06 40.14E–.03 5–8 20 0-2
DDA X 14 00 57 55.6 38.78N 40.14E 7–3 2.9 ¶11661301
ISK X 14 00 57 55.0 38.89N 40.13E 16 2.5
ISCJB X 14 00 57 56.4–.60 38.83N–.05 40.14E–.03 10 2.5
CSEM X 14 00 57 56.4–.22 38.84N 40.15E 2 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.8km az=176.9.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=3.5km az=171.0.
ISC X 14 07 10 24.9–.52 36.97N–.03 29.13E–.04 10 30 0-2
ISCJB X 14 07 10 24.7–.52 36.97N–.03 29.15E–.04 10 ¶11661303
CSEM X 14 07 10 24.5–.24 36.98N 29.14E 2 2.8
ISK X 14 07 10 24.0 36.94N 29.16E 5 2.8
DDA X 14 07 10 24.2 36.99N 29.14E 7–6 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.3km az=35.7.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=5.3km az=61.0.
ISC X 14 11 24 22.0–.45 40.46N–.03 40.80E–.03 13–6 44 0-2
ISCJB X 14 11 24 21.8–.56 40.46N–.04 40.79E–.03 9–7 ¶11661307
ISK X 14 11 24 21.8 40.45N 40.75E 9 2.8
DDA X 14 11 24 21.2 40.46N 40.83E 7–6 2.7
CSEM X 14 11 24 22.0–.22 40.47N 40.78E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.3km az=11.9.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=150.0.
ISC X 14 13 38 34.7–1.4 38.35N–.06 38.69E–.04 16–20 24 0-1
ISK X 14 13 38 33.8 38.46N 38.65E 5 2.5 ¶11661309
CSEM X 14 13 38 34.5–.28 38.35N 38.70E 10 2.5
DDA X 14 13 38 35.0 38.38N 38.68E 7–3 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=3.9km az=165.0.
ISC X 14 14 23 20.7–.79 38.25N–.05 37.93E–.07 12–6 17 0-1
CSEM X 14 14 23 17.2–.33 38.05N 37.91E 12–3 2.8 ¶13909833
DDA X 14 14 23 19.7 38.18N 38.00E 6–2 2.8

ISCJB X 14 14 23 20.6–.74 38.24N–.05 37.93E–.07 9–5 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 14 15 09 17.7–.67 37.70N–.05 37.46E–.05 16–9 21 0-1
ISCJB X 14 15 09 17.9–.66 37.68N–.05 37.45E–.05 19–15 ¶11661311
CSEM X 14 15 09 17.5–.30 37.73N 37.47E 15 2.6
DDA X 14 15 09 17.4 37.68N 37.44E 7–5 2.8
ISK X 14 15 09 17.3 37.69N 37.48E 6 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=6.0km az=151.3.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.4km az=157.0.
ISC X 14 22 49 12.4–.47 39.27N–.03 29.15E–.03 10–7 40 0-2
ISCJB X 14 22 49 12.0–.59 39.28N–.03 29.15E–.03 5–6 ¶11661312
DDA X 14 22 49 11.1 39.31N 29.13E 7–4 3.0
CSEM X 14 22 49 12.1–.23 39.27N 29.16E 5 3.0
ISK X 14 22 49 15.3 39.46N 29.10E 17 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=24.1.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=12.0.
ISC X 14 23 50 31.7–.33 40.08N–.02 28.31E–.03 9–3 113 0-4
ATH X 14 23 50 30.8 40.08N 28.51E 58 3.6 ¶11661313
CSEM X 14 23 50 31.7–.08 40.08N 28.31E 10 2.9
ISCJB X 14 23 50 31.4–.37 40.08N–.02 28.29E–.03 8–3 2.9
DDA X 14 23 50 31.1 40.07N 28.30E 10–2 3.1
ISK X 14 23 50 31.1 40.08N 28.29E 8 2.9
THE X 14 23 50 32.6 40.10N 28.46E 24–22 3.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=125.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=24.9.
THE Event type ke. Error ellipse: s-maj=26.1km s-min=2.4km az=86.0.
ISC X 15 01 00 07.7–.99 38.07N–.04 42.66E–.05 14–8 34 1-3
ISCJB X 15 01 00 06.8–1.1 38.06N–.04 42.65E–.04 6–9 ¶11661314
CSEM X 15 01 00 07.8–.24 38.13N 42.74E 15 3.3
ISK X 15 01 00 07.0 38.07N 42.67E 15 3.3
DDA X 15 01 00 07.3 38.14N 42.58E 7–5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.4km az=162.1.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.5km az=178.0.
ISC X 15 03 36 50.6–.48 38.81N–.03 38.80E–.04 11–7 38 0-22
ISK X 15 03 36 49.5 38.81N 38.80E 7 3.0 ¶11661316
ISCJB X 15 03 36 50.2–.47 38.82N–.03 38.81E–.04 10 3.0
CSEM X 15 03 36 50.3–.31 38.80N 38.83E 5 3.4L
DDA X 15 03 36 50.0 38.80N 38.79E 7–3 3.4L,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=179.8.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=6.5km az=114.0.
ISC X 15 07 20 09.7–.41 38.31N–.03 38.84E–.03 9–4 53 0-3
ISK X 15 07 20 08.4 38.33N 38.83E 8 2.9 ¶11661318
ISCJB X 15 07 20 09.2–.51 38.30N–.03 38.85E–.03 5–4 2.9
CSEM X 15 07 20 09.3–.25 38.32N 38.86E 8 3.0
DDA X 15 07 20 09.0 38.30N 38.83E 16–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=176.7.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=159.0.
ISC X 15 07 56 29.1–.55 36.96N–.03 29.19E–.04 9–6 37 0-3
ISCJB X 15 07 56 28.8–.56 36.96N–.03 29.19E–.04 8–6 ¶11661319
CSEM X 15 07 56 28.7–.24 36.97N 29.19E 8 2.4L
DDA X 15 07 56 28.2 36.97N 29.16E 5–3 2.8
ISK X 15 07 56 28.4 36.96N 29.19E 7 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.5km az=41.8.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=128.0.
ISC X 15 09 21 03.2–.78 38.43N–.05 38.05E–.07 15–6 20 0-1
CSEM X 15 09 21 02.6–.13 38.42N 38.02E 15 2.6 ¶11661320
ISCJB X 15 09 21 03.1–.72 38.44N–.04 38.05E–.06 11–8 2.6
ISK X 15 09 21 03.1 38.40N 38.10E 17 2.6
DDA X 15 09 21 04.1 38.28N 38.12E 7–1 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=6.7km az=144.7.
ISC X 15 09 56 13.4–.41 40.58N–.03 29.29E–.03 8–4 57 0-2
ISCJB X 15 09 56 12.9–.46 40.57N–.03 29.29E–.03 1–5 ¶11661321
ISK X 15 09 56 12.5 40.58N 29.29E 8 2.9
CSEM X 15 09 56 13.1–.12 40.58N 29.28E 8 2.9
DDA X 15 09 56 13.1 40.56N 29.28E 12–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=168.5.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=171.0.
ISC X 15 13 48 03.2–.52 36.97N–.03 29.08E–.04 6–7 44 0-1
ISK X 15 13 48 02.2 36.96N 29.10E 9 2.8 ¶11661324
ISCJB X 15 13 48 03.2–.48 36.96N–.03 29.11E–.04 10 2.8
CSEM X 15 13 48 03.0–.24 36.97N 29.09E 8 2.8
DDA X 15 13 48 03.6 37.02N 29.13E 7–3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.0km az=41.2.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=7.0.
ISC X 15 15 10 11.0–.40 40.01N–.02 28.09E–.03 8–5 52 0-1
ISCJB X 15 15 10 10.6–.47 40.01N–.02 28.09E–.03 3–5 ¶11661325
CSEM X 15 15 10 10.8–.12 40.01N 28.08E 8 2.7
DDA X 15 15 10 10.4 39.98N 28.08E 5–2 3.1
ISK X 15 15 10 10.1 39.98N 28.10E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=156.3.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=73.0.
ISC X 15 16 01 42.1–.48 36.99N–.03 29.10E–.04 10–6 54 0-2
ISK X 15 16 01 40.8 37.02N 29.08E 5 2.9 ¶11661327
ISCJB X 15 16 01 41.9–.45 36.98N–.03 29.11E–.03 10 2.9
CSEM X 15 16 01 41.5–.17 37.01N 29.09E 8 2.9
DDA X 15 16 01 41.9 37.00N 29.14E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=4.0km az=143.4.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=13.0.
ISC X 15 16 04 14.9–.50 38.97N–.03 33.45E–.04 4–6 39 0-2
DDA X 15 16 04 13.8 38.95N 33.48E 8–2 2.7 ¶11661328
ISCJB X 15 16 04 14.5–.67 38.97N–.03 33.46E–.04 4–6 2.7
CSEM X 15 16 04 14.8–.23 38.99N 33.41E 10 2.9
ISK X 15 16 04 14.3 38.99N 33.42E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=11.3.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=108.0.
ISC X 15 18 03 03.5–1.0 38.28N–.07 38.86E–.05 22–8 25 0-1
ISCJB X 15 18 03 03.6–1.2 38.28N–.07 38.86E–.05 20–16 ¶11661330
CSEM X 15 18 03 03.8–.25 38.38N 38.83E 15 2.8
ISK X 15 18 03 03.2 38.41N 38.81E 19 2.6
DDA X 15 18 03 04.0 38.30N 38.83E 7–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=5.5km az=163.3.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=3.5km az=167.0.
ISC X 15 18 22 37.1–.56 38.43N–.03 31.50E–.03 0–5 64 0-3
ISCJB X 15 18 22 37.0–.51 38.45N–.02 31.53E–.03 2–5 ¶11661332
DDA X 15 18 22 36.8 38.45N 31.51E 3–3 3.0
ISK X 15 18 22 37.1 38.45N 31.58E 2 3.3
CSEM X 15 18 22 38.1–.19 38.46N 31.56E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=169.3.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=166.0.
ISC X 15 22 53 16.5–.54 38.64N–.03 39.54E–.04 13–5 33 0-2
DDA X 15 22 53 15.7 38.65N 39.56E 7–4 2.9 ¶11661334
ISK X 15 22 53 15.8 38.65N 39.53E 8 2.6
ISCJB X 15 22 53 16.1–.63 38.64N–.03 39.55E–.04 8–5 2.6
CSEM X 15 22 53 16.0–.20 38.66N 39.53E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.7km az=39.2.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=31.0.
ISC X 15 23 39 15.4–.42 37.19N–.03 28.59E–.03 11–5 52 0-2
ISCJB X 15 23 39 14.9–.45 37.18N–.03 28.60E–.03 8–6 ¶11661335
ISK X 15 23 39 14.1 37.16N 28.62E 18 2.7
CSEM X 15 23 39 15.1–.22 37.19N 28.62E 10 2.7
DDA X 15 23 39 15.0 37.17N 28.60E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=177.8.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=176.0.
ISC X 15 23 39 36.6–.62 37.47N–.03 38.93E–.03 3–4 56 0-2
ISK X 15 23 39 35.9 37.53N 38.87E 4 3.0 ¶11661336
CSEM X 15 23 39 36.3–.31 37.49N 38.91E 5 3.0
DDA X 15 23 39 36.1 37.50N 38.93E 22–1 3.0
ISCJB X 15 23 39 37.0–.44 37.49N–.03 38.90E–.03 10 3.0
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 16 10 36 36.6–.54 39.46N–.04 28.15E–.04 14–4 46 0-2
ISK X 16 10 36 35.7 39.46N 28.16E 10 2.3L ¶11661342
ISCJB X 16 10 36 36.0–.64 39.44N–.04 28.13E–.04 10–4 2.3L
CSEM X 16 10 36 36.1–.18 39.46N 28.16E 10 2.3L
DDA X 16 10 36 36.1 39.47N 28.14E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=33.0.
ISC X 16 13 34 03.2–.72 39.49N–.04 28.17E–.06 16–7 20 0-1
ISCJB X 16 13 34 02.6–.69 39.48N–.04 28.19E–.06 15–7 ¶11661349
DDA X 16 13 34 02.1 39.44N 28.09E 7–2 2.7
ISK X 16 13 34 02.2 39.51N 28.27E 9 1.7L
CSEM X 16 13 34 03.0–.42 39.51N 28.18E 12 1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.9km az=153.9.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=8.0km az=25.0.
ISC X 16 13 47 28.7–.58 38.72N–.06 36.18E–.05 14–7 27 0-2
ISCJB X 16 13 47 28.7–.57 38.74N–.05 36.28E–.05 26–5 ¶11661350
CSEM X 16 13 47 28.2–.15 38.71N 36.19E 12 2.6
DDA X 16 13 47 28.8 38.73N 36.13E 7–2 2.6
ISK X 16 13 47 28.2 38.71N 36.18E 13 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=6.1km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.3km az=6.0.
ISC X 16 14 30 14.7–.43 40.48N–.03 29.24E–.03 6–5 49 0-2
ISK X 16 14 30 13.2 40.50N 29.23E 5 2.9 ¶11661353
ISCJB X 16 14 30 14.3–.46 40.48N–.03 29.24E–.03 1–7 2.9
CSEM X 16 14 30 14.4–.19 40.49N 29.24E 5 2.9
DDA X 16 14 30 14.5 40.43N 29.18E 7–3 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.3km az=165.5.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=4.0.
ISC X 16 19 47 29.6–.93 36.17N–.06 35.84E–.05 15–6 27 0-2
ISK X 16 19 47 27.6 36.10N 35.83E 24 2.8 ¶11661357
CSEM X 16 19 47 29.1–.36 36.20N 35.92E 21–3 2.9
DDA X 16 19 47 31.4 36.24N 36.00E 7–4 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=6.1km az=31.0.
ISC X 16 19 58 16.2–.47 39.97N–.02 39.90E–.03 4–4 69 0-3
ISCJB X 16 19 58 15.6–.55 39.97N–.02 39.90E–.03 1–5 ¶11661358
CSEM X 16 19 58 15.5–.14 39.96N 39.92E 2 3.3
ISK X 16 19 58 15.1 39.98N 39.94E 4 3.3
DDA X 16 19 58 15.7 39.99N 39.88E 7–7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=139.9.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=154.0.
ISC X 17 00 26 46.5–.62 38.11N–.05 42.65E–.04 7–7 32 1-3
ISCJB X 17 00 26 45.7–.64 38.09N–.04 42.64E–.04 4–9 ¶11661362
ISK X 17 00 26 45.7 38.09N 42.62E 11 3.1
DDA X 17 00 26 45.5 38.14N 42.66E 7–5 2.9L,2.8
CSEM X 17 00 26 46.2–.26 38.09N 42.69E 12 3.1,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.1km az=161.6.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.6km az=2.0.
ISC X 17 03 16 50.6–.59 36.96N–.04 29.16E–.05 2–8 33 0-1
ISK X 17 03 16 49.6 36.98N 29.16E 9 2.9 ¶11661363
ISCJB X 17 03 16 50.6–.52 36.93N–.03 29.20E–.04 10 2.9
CSEM X 17 03 16 50.2–.24 36.95N 29.19E 8 2.9
DDA X 17 03 16 50.0 36.94N 29.24E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.5km az=144.1.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=5.0km az=176.0.
ISC X 17 05 25 16.3–.71 38.30N–.04 38.10E–.05 15–5 23 0-1
ISK X 17 05 25 14.7 38.35N 38.06E 8 2.6 ¶11661364
ISCJB X 17 05 25 15.9–.71 38.30N–.04 38.11E–.05 14–5 2.6
CSEM X 17 05 25 15.5–.44 38.27N 38.12E 10 2.6
DDA X 17 05 25 16.1 38.27N 38.11E 7–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.5km az=23.1.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=10.1km az=172.0.
ISC X 17 12 09 11.4–.85 41.42N–.04 35.90E–.03 3–6 52 0-3
ISCJB X 17 12 09 11.8–.61 41.39N–.04 35.87E–.03 10 ¶11661371
CSEM X 17 12 09 11.6–.34 41.42N 35.93E 2 2.9
ISK X 17 12 09 11.7 41.29N 35.78E 5 2.9
DDA X 17 12 09 11.7 41.34N 35.86E 3–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.0km az=12.3.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.2km az=24.0.
ISC X 17 13 15 39.3–1.2 37.11N–.07 37.50E–.04 6–6 27 0-2
CSEM X 17 13 15 37.8–.87 37.00N 37.49E 8 3.0 ¶11661372
ISCJB X 17 13 15 38.6–1.3 37.08N–.07 37.50E–.05 4–7 3.0
ISK X 17 13 15 38.7 37.18N 37.55E 5 2.2L
DDA X 17 13 15 40.4 37.17N 37.43E 7–6 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=20.2km s-min=7.1km az=177.0.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=6.2km az=171.9.
ISC X 17 16 27 57.7–.62 39.83N–.03 27.61E–.05 13–4 36 0-1
DDA X 17 16 27 56.8 39.82N 27.60E 18–1 3.0 ¶11661374
ISCJB X 17 16 27 57.5–.60 39.84N–.03 27.60E–.05 12–4 3.0
CSEM X 17 16 27 57.5–.08 39.82N 27.61E 12 3.0
ISK X 17 16 27 57.1 39.82N 27.62E 13 1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.6km az=153.9.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.3km az=48.0.
ISC X 17 18 48 24.2–.83 36.98N–.06 29.18E–.05 21–12 21 0-2
ISK X 17 18 48 22.0 36.70N 29.06E 2 2.8 ¶11661376
CSEM X 17 18 48 23.6–.32 36.93N 29.16E 20 3.0
DDA X 17 18 48 23.5 36.99N 29.17E 7–5 3.0
ISCJB X 17 18 48 24.1–.70 36.98N–.06 29.19E–.06 25–10 3.0
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 17 19 05 47.0–.69 36.86N–.05 30.25E–.05 4–9 27 0-2
ISCJB X 17 19 05 46.7–.67 36.87N–.05 30.24E–.05 7–7 ¶11661379
CSEM X 17 19 05 46.6–.15 36.86N 30.25E 2 3.0
ISK X 17 19 05 46.4 36.85N 30.25E 10 2.8
DDA X 17 19 05 48.0 36.86N 30.16E 5–6 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.2km az=156.3.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=166.0.
ISC X 17 19 51 10.0–.49 36.97N–.03 29.10E–.04 9–5 60 0-3

ISCJB X 17 19 51 09.4–.56 36.97N–.03 29.09E–.03 4–5 ¶11661380
CSEM X 17 19 51 09.7–.16 36.98N 29.11E 10 3.1
ISK X 17 19 51 09.0 37.00N 29.09E 8 3.1
DDA X 17 19 51 10.0 36.97N 29.13E 6–5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=151.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=2.0.
ISC X 17 19 53 28.0–.46 36.95N–.03 29.13E–.03 6–5 49 0-3
ISCJB X 17 19 53 27.4–.54 36.95N–.03 29.13E–.03 1–6 ¶11661381
CSEM X 17 19 53 27.7–.11 36.96N 29.14E 5 3.0
ISK X 17 19 53 27.3 36.94N 29.14E 7 3.0
DDA X 17 19 53 27.7 36.97N 29.15E 7–3 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.6km az=1.9.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=9.0.
ISC X 17 20 06 45.8–.45 36.96N–.03 29.13E–.03 6–6 51 0-3
ISK X 17 20 06 44.5 36.97N 29.11E 2 2.9 ¶11661382
ISCJB X 17 20 06 45.5–.42 36.96N–.03 29.12E–.03 10 2.9
CSEM X 17 20 06 45.3–.15 36.97N 29.12E 5 2.9
DDA X 17 20 06 46.1 37.03N 29.14E 7–9 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=25.7.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=19.0.
ISC X 17 20 25 04.2–.69 36.96N–.04 29.60E–.05 14–7 26 0-2
CSEM X 17 20 25 03.6–.22 36.95N 29.60E 12 2.6 ¶11661383
ISK X 17 20 25 03.6 36.94N 29.61E 14 2.6
ISCJB X 17 20 25 04.0–.57 36.95N–.03 29.60E–.05 11–6 2.6
DDA X 17 20 25 04.1 36.98N 29.61E 7–6 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.8km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.7km az=0.2.
ISC X 17 21 02 19.4–.50 36.94N–.03 29.14E–.04 9–5 45 0-3
ISCJB X 17 21 02 19.0–.54 36.94N–.03 29.14E–.03 5–5 ¶11661384
ISK X 17 21 02 18.8 36.96N 29.13E 10 2.9
CSEM X 17 21 02 19.0–.18 36.94N 29.14E 8 2.9
DDA X 17 21 02 20.1 37.01N 29.13E 7–7 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=140.1.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=120.0.
ISC X 17 21 33 44.1–.59 37.50N–.03 27.24E–.05 9–9 24 0-2
ISK X 17 21 33 42.7 37.50N 27.27E 2 2.1L ¶11661385
ISCJB X 17 21 33 43.9–.58 37.50N–.03 27.26E–.06 11–7 2.1L
CSEM X 17 21 33 44.2–.13 37.52N 27.25E 10 2.9
DDA X 17 21 33 44.7 37.56N 27.27E 18–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.9km az=158.9.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=55.0.
ISC X 17 22 47 50.1–.49 36.97N–.03 29.15E–.04 10–8 38 0-1
ISCJB X 17 22 47 49.8–.48 36.96N–.03 29.15E–.03 10 ¶11661386
CSEM X 17 22 47 49.8–.21 36.97N 29.14E 8 2.9
ISK X 17 22 47 49.3 36.97N 29.14E 7 2.9
DDA X 17 22 47 51.5 37.03N 29.11E 7–5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=161.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=4.0.
ISC X 17 23 14 05.4–.54 36.95N–.03 29.15E–.05 10–9 32 0-1
ISK X 17 23 14 04.7 36.93N 29.15E 12 2.8 ¶11661388
ISCJB X 17 23 14 05.0–.56 36.95N–.03 29.12E–.05 1–10 2.8
CSEM X 17 23 14 05.1–.18 36.97N 29.14E 12 2.8
DDA X 17 23 14 05.2 36.96N 29.15E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=15.6.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=143.0.
ISC X 17 23 57 49.1–1.2 36.06N–.08 35.85E–.06 15–5 30 0-2
ISCJB X 17 23 57 48.5–1.4 36.01N–.09 35.85E–.06 20–7 ¶11661389
ISK X 17 23 57 49.9 36.19N 35.94E 16 2.6
CSEM X 17 23 57 50.5–.48 36.18N 35.91E 10 2.6
DDA X 17 23 57 54.5 36.40N 35.74E 28–1 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.6km s-min=7.7km az=5.2.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=5.2km az=32.0.
ISC X 18 00 42 59.0–.55 36.96N–.03 29.12E–.04 11–8 37 0-1
ISK X 18 00 42 57.4 37.01N 29.09E 7 2.7 ¶11661391
ISCJB X 18 00 42 58.9–.51 36.95N–.03 29.14E–.04 10 2.7
CSEM X 18 00 42 58.5–.28 36.95N 29.11E 8 2.7
DDA X 18 00 42 58.8 36.98N 29.13E 6–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=9.7.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.4km az=74.0.
ISC X 18 01 53 14.7–.51 36.97N–.03 29.23E–.03 4–6 47 0-3
ISCJB X 18 01 53 14.2–.67 36.96N–.03 29.23E–.04 0–8 ¶11661393
CSEM X 18 01 53 14.3–.11 36.96N 29.24E 2 2.9
DDA X 18 01 53 14.2 36.99N 29.24E 6–4 2.9
ISK X 18 01 53 14.1 36.96N 29.24E 6 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.4km az=138.7.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=172.0.
ISC X 18 02 56 07.6–.39 40.10N–.02 40.56E–.02 0–4 90 0-4
DDA X 18 02 56 06.8 40.21N 40.48E 8–5 3.1 ¶11661394
ISK X 18 02 56 06.4 40.07N 40.54E 2 3.5
ISCJB X 18 02 56 07.8–.29 40.09N–.02 40.55E–.02 10 3.5
CSEM X 18 02 56 07.8–.19 40.13N 40.57E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=172.9.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=1.0.
ISC X 18 03 19 07.2–.43 40.10N–.03 40.57E–.03 15–4 62 0-2
ISCJB X 18 03 19 06.6–.58 40.10N–.03 40.55E–.03 10–5 ¶11661395
CSEM X 18 03 19 06.8–.15 40.10N 40.56E 12 2.8
DDA X 18 03 19 06.6 40.18N 40.59E 7–6 2.8
ISK X 18 03 19 06.5 40.09N 40.56E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.6km az=160.6.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=179.0.
ISC X 18 03 24 09.9–.43 36.99N–.03 29.25E–.03 8–5 60 0-3
DDA X 18 03 24 08.9 36.99N 29.22E 6–4 2.9 ¶11661396
ISK X 18 03 24 08.8 36.97N 29.25E 4 2.9
ISCJB X 18 03 24 09.5–.46 36.99N–.03 29.24E–.03 5–5 2.9
CSEM X 18 03 24 09.4–.13 36.98N 29.25E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=4.0km az=174.4.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=8.0.
ISC X 18 07 10 21.9–.53 40.50N–.04 29.25E–.04 3–9 34 0-2
ISK X 18 07 10 20.4 40.51N 29.26E 5 2.8 ¶11661398
ISCJB X 18 07 10 21.7–.51 40.53N–.05 29.24E–.04 10 2.8
CSEM X 18 07 10 21.7–.13 40.50N 29.25E 2 2.8
DDA X 18 07 10 21.6 40.46N 29.21E 8–2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=6.1.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=2.0.
ISC X 18 08 48 48.4–.41 37.06N–.03 36.19E–.03 2–9 49 0-2
ISCJB X 18 08 48 47.6–.40 37.05N–.03 36.20E–.03 10 ¶11661399
DDA X 18 08 48 47.8 37.04N 36.16E 21–2 2.8
ISK X 18 08 48 47.5 37.09N 36.16E 4 2.9
CSEM X 18 08 48 48.3–.20 37.04N 36.17E 0–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=154.7.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=132.0.
ISC X 18 09 30 39.3–.47 40.54N–.04 37.05E–.03 20–4 45 0-2
ISCJB X 18 09 30 38.9–.47 40.53N–.04 37.06E–.03 15–5 ¶11661401
DDA X 18 09 30 38.4 40.45N 37.06E 7–5 2.7
ISK X 18 09 30 38.8 40.57N 37.02E 5 2.8
CSEM X 18 09 30 39.5–.25 40.59N 37.05E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=11.8.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.6km az=6.0.
ISC X 18 10 55 46.4–.89 41.62N–.05 34.87E–.05 7–6 41 0-4
ISCJB X 18 10 55 45.6–.85 41.64N–.05 34.89E–.05 7–6 ¶11661404
CSEM X 18 10 55 45.9–.42 41.60N 34.88E 5 2.7
ISK X 18 10 55 45.5 41.63N 34.88E 6 2.7
DDA X 18 10 55 49.2 41.35N 34.80E 3–6 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.3km az=27.4.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.7km az=25.0.
ISC X 18 13 15 17.1–.39 37.76N–.02 27.37E–.04 9–4 66 0-4
ISCJB X 18 13 15 16.6–.44 37.77N–.02 27.38E–.04 5–5 ¶11661407
CSEM X 18 13 15 16.6–.16 37.77N 27.39E 5 3.1
ISK X 18 13 15 16.3 37.78N 27.44E 6 3.0
DDA X 18 13 15 16.5 37.77N 27.37E 7–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=143.8.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=62.0.
ISC X 18 14 22 05.4–.54 39.95N–.03 38.76E–.04 14–7 31 0-2
ISCJB X 18 14 22 04.9–.58 39.95N–.04 38.76E–.05 11–9 ¶11661410
CSEM X 18 14 22 04.8–.20 39.94N 38.76E 10 2.8
DDA X 18 14 22 04.6 39.94N 38.78E 7–4 2.8
ISK X 18 14 22 04.6 39.94N 38.75E 9 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.8km az=35.1.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=99.0.
ISC X 18 17 40 25.7–.48 36.04N–.03 29.56E–.03 10 81 0-3
ISK X 18 17 40 22.8 36.01N 29.53E 5 3.5 ¶11661411
ATH X 18 17 40 23.1 36.05N 29.68E 15–2 3.4
CSEM X 18 17 40 24.7–.24 36.04N 29.55E 2 3.4
DDA X 18 17 40 24.4 36.08N 29.64E 3–1 3.2
ISCJB X 18 17 40 25.0–.47 36.05N–.03 29.57E–.03 10 3.2
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 18 18 17 56.9–.51 36.98N–.03 29.12E–.04 6–6 37 0-2
ISK X 18 18 17 55.6 36.98N 29.12E 2 2.7 ¶11661412
ISCJB X 18 18 17 56.4–.56 36.98N–.03 29.11E–.04 0–8 2.7
CSEM X 18 18 17 56.5–.16 36.97N 29.11E 5 2.7
DDA X 18 18 17 58.7 37.08N 29.15E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.9km az=23.2.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.5km az=76.0.
ISC X 18 22 58 54.9–.45 36.97N–.03 29.09E–.03 7–5 55 0-3
DDA X 18 22 58 54.0 36.98N 29.15E 6–3 2.8 ¶11661413
ISK X 18 22 58 53.8 36.98N 29.10E 4 3.0
ISCJB X 18 22 58 54.3–.52 36.98N–.03 29.09E–.03 2–6 3.0
CSEM X 18 22 58 54.4–.14 36.97N 29.08E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=31.5.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=24.0.
ISC X 19 05 27 09.8–.49 38.43N–.03 39.31E–.04 5–5 31 0-2
ISK X 19 05 27 08.6 38.47N 39.29E 5 2.6 ¶11661416
DDA X 19 05 27 08.8 38.38N 39.32E 7–5 3.0
ISCJB X 19 05 27 09.3–.48 38.44N–.03 39.29E–.04 7–5 3.0
CSEM X 19 05 27 09.2–.24 38.44N 39.29E 8–2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.6km az=136.9.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.8km az=56.0.
ISC X 19 08 44 59.4–.53 39.00N–.04 29.90E–.03 8–7 46 1-2
ISK X 19 08 44 57.1 38.99N 29.87E 5 2.9 ¶11661421
DDA X 19 08 44 58.9 39.00N 29.89E 7–6 2.8
ISCJB X 19 08 44 59.3–.41 38.97N–.03 29.90E–.03 10 2.8
CSEM X 19 08 44 59.1–.17 38.99N 29.91E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=3.9.
CSEM Event type ke.
ISC X 19 10 54 29.7–.17 39.13N–.01 29.43E–.02 10 4.0b 298 0-68
DDA X 19 10 54 27.8 39.16N 29.41E 12–1 3.7L ¶11389412
THE X 19 10 54 27.9 39.41N 29.93E 0–4 4.1L
IDC X 19 10 54 28.6–1.1 39.06N 29.28E 0 4.0b,4.0
ISCJB X 19 10 54 28.8–.17 39.15N–.01 29.42E–.02 10 4.0b,4.0
NEIC X 19 10 54 28.4 39.14N 29.39E 8 3.9L,4.0
CSEM X 19 10 54 28.6–.08 39.14N 29.44E 2 3.6,4.0
ISK X 19 10 54 28.2 39.13N 29.40E 7 3.6,4.0
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=7.6km s-min=2.3km az=87.0.
IDC Error ellipse: s-maj=23.7km s-min=16.1km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=41.4.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=57.0.
ISC X 19 12 15 13.4–.41 37.81N–.03 27.57E–.04 14–4 50 0-2
ISK X 19 12 15 12.7 37.82N 27.57E 11 2.8 ¶11661423
ISCJB X 19 12 15 13.1–.43 37.82N–.03 27.58E–.04 8–5 2.8
CSEM X 19 12 15 13.2–.10 37.81N 27.57E 12 2.8
DDA X 19 12 15 13.2 37.83N 27.58E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.3km az=140.2.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=59.0.
ISC X 19 13 12 42.1–.55 40.06N–.03 38.91E–.04 7–14 32 0-2
ISCJB X 19 13 12 41.4–.53 40.06N–.03 38.91E–.04 10 ¶11661424
CSEM X 19 13 12 41.7–.16 40.07N 38.92E 5 2.7
DDA X 19 13 12 41.4 40.05N 38.94E 7–1 2.7
ISK X 19 13 12 41.5 40.07N 38.92E 6 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.0km az=177.2.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=102.0.
ISC X 19 21 52 42.6–.45 40.03N–.03 38.63E–.03 7–4 55 0-2
ISK X 19 21 52 40.8 39.94N 38.53E 10 2.8 ¶11661427
DDA X 19 21 52 41.8 40.02N 38.65E 6–6 3.0
ISCJB X 19 21 52 42.2–.52 40.02N–.03 38.64E–.03 4–5 3.0
CSEM X 19 21 52 42.2–.23 39.99N 38.61E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=5.1km az=24.0.
ISC X 19 22 20 52.4–.11 37.00N–.01 30.41E–.01 96–2 4.2b 838 0-114
SGS X 19 22 20 47.2 37.57N 30.48E 63 4.2b ¶13397542
IDC X 19 22 20 51.8–1.3 36.98N 30.52E 93–12 4.1,4.0
NEIC X 19 22 20 51.0 37.06N 30.34E 101 4.1b,4.0
ISK X 19 22 20 51.8 37.11N 30.34E 84 4.1L,4.0
TEH X 19 22 20 51.4 36.91N 30.45E 123 4.1L,4.0
NIC X 19 22 20 51.7–.30 36.99N 30.36E 85 4.4b,4.1L
ISCJB X 19 22 20 51.1–.12 37.00N–.01 30.42E–.01 100–1 4.2b,4.1L
MOS X 19 22 20 51.1–.91 36.97N 30.42E 104 4.2b,4.1L
DDA X 19 22 20 52.6 37.10N 30.39E 45–2 4.0L,4.1L
HLW X 19 22 20 52.7 36.83N 30.45E 31–54 4.2L,3.7
CSEM X 19 22 20 52.2–.06 37.00N 30.39E 95–1 4.1b,3.8W
THE X 19 22 20 53.7 36.98N 30.42E 26–27 4.4L,3.8W
NSSC X 19 22 20 57 36.93N 30.95E 40 4.4L,3.8W
ISC Event type fe.
IDC Error ellipse: s-maj=11.1km s-min=9.5km az=67.0.
NEIC Event type se. After ISK.
NIC Moment Tensor Solution. $M_0$3.70000×10^{14}
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.6km az=41.8.
MOS Error ellipse: s-maj=7.0km s-min=3.6km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=52.0.
THE Event type ke. Error ellipse: s-maj=27.1km s-min=2.2km az=13.0.
NSSC Event type fe.
ISC X 19 23 37 54.6–.59 36.96N–.03 29.11E–.05 6–8 30 0-1

ISK X 19 23 37 52.9 36.95N 29.13E 5 2.6 ¶11661429
ISCJB X 19 23 37 54.1–.64 36.96N–.03 29.11E–.05 1–10 2.6
CSEM X 19 23 37 54.1–.29 36.97N 29.14E 5 2.6
DDA X 19 23 37 54.6 36.97N 29.16E 7–5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=6.1.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.7km az=93.0.
ISC X 20 01 35 24.5–.52 36.98N–.03 29.17E–.04 5–6 44 0-2
ISK X 20 01 35 23.1 36.96N 29.19E 5 2.8 ¶11661432
ISCJB X 20 01 35 24.1–.58 36.98N–.03 29.16E–.04 1–7 2.8
CSEM X 20 01 35 24.2–.14 36.97N 29.18E 5 2.8
DDA X 20 01 35 25.4 37.03N 29.05E 8–6 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=20.9.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=64.0.
ISC X 20 07 12 53.2–.54 36.95N–.03 29.17E–.04 3–7 39 0-2
CSEM X 20 07 12 52.9–.09 36.95N 29.17E 2 3.0 ¶11661434
ISK X 20 07 12 52.6 36.95N 29.19E 5 3.0
DDA X 20 07 12 52.6 36.95N 29.20E 6–3 2.8
ISCJB X 20 07 12 53.1–.49 36.94N–.03 29.19E–.04 10 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISK X 20 07 44 32.0 39.14N 27.54E 20 2.8
CSEM X 20 07 44 32.0 39.14N 27.54E 20 2.8 ¶11661435
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
DDA X 20 07 45 05.7 39.65N 27.59E 24–1 2.6
¶15243670
ISC X 20 08 03 57.7–.45 39.45N–.03 40.60E–.03 2–6 43 1-2
ISK X 20 08 03 55.5 39.48N 40.64E 5 2.8 ¶11661436
ISCJB X 20 08 03 57.2–.41 39.45N–.03 40.64E–.03 10 2.8
CSEM X 20 08 03 57.2–.30 39.43N 40.57E 2 2.8
DDA X 20 08 03 57.5 39.41N 40.60E 7–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=144.1.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.7km az=132.0.
ISC X 20 08 10 48.6–.50 36.95N–.03 29.05E–.04 8–5 60 0-3
ISK X 20 08 10 47.6 36.98N 29.07E 7 3.0 ¶11661437
ISCJB X 20 08 10 48.2–.54 36.96N–.03 29.06E–.04 6–5 3.0
CSEM X 20 08 10 48.4–.13 36.97N 29.07E 8 3.0
DDA X 20 08 10 48.5 36.95N 29.13E 6–4 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=151.9.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=25.0.
DDA X 20 14 38 20.5 38.23N 38.60E 8–8 2.8
¶13909994
ISC X 20 16 32 08.1–.43 37.90N–.02 28.71E–.04 10–5 44 0-1
ISCJB X 20 16 32 07.5–.46 37.91N–.02 28.70E–.04 3–6 ¶11661442
CSEM X 20 16 32 07.8–.15 37.91N 28.73E 10 2.9
ISK X 20 16 32 07.4 37.90N 28.70E 6 2.9
DDA X 20 16 32 08.0 37.91N 28.74E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=20.4.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=114.0.
ISC X 20 21 40 48.9–.63 40.63N–.04 37.16E–.03 3–8 42 0-2
ISCJB X 20 21 40 48.6–.52 40.60N–.03 37.15E–.03 10 ¶11661444
CSEM X 20 21 40 48.7–.20 40.63N 37.16E 0–2 2.8
DDA X 20 21 40 48.6 40.60N 37.16E 7–2 2.8
ISK X 20 21 40 48.9 40.57N 37.12E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=175.6.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=171.0.
ISC X 20 22 33 09.1–1.2 37.56N–.05 34.62E–.07 10–9 36 0-2
DDA X 20 22 33 08.1 37.55N 34.36E 20–0 2.8 ¶11661445
CSEM X 20 22 33 09.4–.46 37.61N 34.73E 2 2.2L
ISK X 20 22 33 09.3 37.58N 34.80E 7 2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=8.1km az=74.0.
ISC X 20 23 22 12.1–.59 41.43N–.02 39.11E–.02 1–4 4.0b 201 1-30
NEIC X 20 23 22 10.8 41.49N 39.19E 5 4.3b,3.7 ¶11661446
ISCJB X 20 23 22 11.8–.25 41.44N–.02 39.12E–.02 10 3.9b,3.7
MOS X 20 23 22 11.8–1.5 41.49N 39.05E 10 4.5b,3.7
CSEM X 20 23 22 12.2–.16 41.52N 39.19E 5 3.7,3.7
DDA X 20 23 22 13.8 41.29N 39.05E 6–3 3.5,3.7
ISK X 20 23 22 14.1 41.33N 39.19E 20 3.7,3.7
IDC X 20 23 22 16.6–1.4 41.58N 38.56E 0 4.0b,3.8
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=20.2.
MOS Error ellipse: s-maj=10.5km s-min=6.9km az=121.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=30.0.
IDC Error ellipse: s-maj=27.4km s-min=17.9km az=28.0.
ISC X 20 23 43 56.7–.47 38.34N–.03 27.15E–.04 12–7 37 0-3
ATH X 20 23 43 55.1 38.32N 27.25E 33–8 3.0 ¶13397650
ISCJB X 20 23 43 56.0–.49 38.35N–.03 27.15E–.04 6–8 3.0
CSEM X 20 23 43 56.4–.20 38.34N 27.13E 10 2.8
DDA X 20 23 43 56.1 38.32N 27.15E 7–5 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=138.7.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=99.0.
ISC X 20 23 50 08.9–.51 37.68N–.03 37.51E–.03 5–5 49 1-2
ISK X 20 23 50 07.7 37.72N 37.48E 6 3.0 ¶11661447
ISCJB X 20 23 50 08.2–.55 37.68N–.03 37.51E–.03 0–6 3.0
CSEM X 20 23 50 08.4–.14 37.69N 37.52E 5 3.0
DDA X 20 23 50 08.3 37.68N 37.49E 8–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.4km az=148.9.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=147.0.
ISC X 21 02 19 38.2–.67 37.17N–.05 30.56E–.06 77–6 49 0-3
ISK X 21 02 19 36.8 37.13N 30.57E 79 3.0 ¶11661449
ISCJB X 21 02 19 37.5–.65 37.16N–.05 30.57E–.06 80–6 3.0
CSEM X 21 02 19 37.7–.30 37.17N 30.52E 82–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.1km az=146.3.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.0km az=156.0.
ISC X 21 04 16 52.3–2.3 37.4N–.10 38.8E–.10 4–23 7 0-1
DDA X 21 04 16 56.8 37.46N 38.49E 7–4 2.6 ¶13910009
ISC X 21 09 08 31.2–.34 37.46N–.02 35.75E–.02 9–2 133 0-7
ISK X 21 09 08 29.9 37.50N 35.70E 7 3.7L ¶11661451
ISCJB X 21 09 08 30.6–.37 37.48N–.02 35.72E–.02 9–3 3.7L
DDA X 21 09 08 30.3 37.54N 35.74E 6–5 3.6
CSEM X 21 09 08 31.0–.11 37.47N 35.73E 8 3.7L
NSSC X 21 09 08 35 37.34N 35.94E 22–11 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=146.4.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=73.0.
ISC X 21 21 03 44.1–.45 37.46N–.03 35.74E–.03 14–3 52 0-3
ISK X 21 21 03 42.5 37.54N 35.70E 4 2.4L ¶11661455
ISCJB X 21 21 03 43.8–.48 37.46N–.03 35.74E–.03 12–3 2.4L
CSEM X 21 21 03 43.9–.23 37.50N 35.71E 10 2.4L
DDA X 21 21 03 43.0 37.48N 35.76E 29–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.8km az=149.4.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=152.0.
ISC X 22 01 00 36.4–.28 40.72N–.01 29.14E–.02 4–2 3.5b 254 0-69
ISK X 22 01 00 35.8 40.74N 29.17E 8 3.8L ¶11661459
DDA X 22 01 00 35.2 40.75N 29.18E 22–1 3.5
IDC X 22 01 00 35.6–1.2 40.82N 29.02E 0 3.8b,3.7
NEIC X 22 01 00 35.0 40.75N 29.17E 9 3.6L,3.7
CSEM X 22 01 00 36.4–.08 40.73N 29.16E 5 3.5,3.7

ISCJB X 22 01 00 36.0–.26 40.76N–.01 29.16E–.02 12–2 3.5b,3.7
ISC Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 22 02 09 21.5–.48 39.44N–.03 33.05E–.03 1–5 51 0-2
ISK X 22 02 09 20.2 39.48N 33.04E 5 2.6L ¶11661461
CSEM X 22 02 09 20.8–.21 39.44N 33.04E 0–1 2.6L
DDA X 22 02 09 20.8 39.45N 33.04E 13–1 3.1
ISCJB X 22 02 09 21.5–.43 39.45N–.03 33.07E–.04 10 3.1
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 22 03 12 10.3–.47 36.96N–.03 29.13E–.04 9–5 47 0-3
ISCJB X 22 03 12 09.9–.51 36.97N–.03 29.13E–.04 3–6 ¶11661462
ISK X 22 03 12 09.6 36.94N 29.15E 8 2.9
CSEM X 22 03 12 10.1–.15 36.96N 29.13E 8 2.9
DDA X 22 03 12 10.0 36.99N 29.09E 7–6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.6km az=43.7.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=40.0.
ISC X 22 05 09 14.7–.60 36.96N–.03 29.15E–.05 4–9 33 0-2
ISK X 22 05 09 13.8 36.94N 29.18E 3 2.9 ¶11661464
DDA X 22 05 09 14.0 36.98N 29.18E 9–4 2.9
ISCJB X 22 05 09 14.6–.54 36.95N–.03 29.15E–.05 10 2.9
CSEM X 22 05 09 14.4–.24 36.96N 29.16E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=13.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.7km az=93.0.
ISC X 22 05 30 53.4–.63 36.98N–.03 29.24E–.05 8–8 30 0-1
ISK X 22 05 30 51.5 36.94N 29.25E 5 2.0L ¶11661466
ISCJB X 22 05 30 53.0–.62 36.98N–.03 29.22E–.05 3–9 2.0L
CSEM X 22 05 30 53.0–.26 36.97N 29.23E 5 2.0L
DDA X 22 05 30 53.1 37.00N 29.17E 7–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.0km az=24.4.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.6km az=103.0.
ISC X 22 12 37 49.3–.83 38.70N–.04 38.12E–.06 10 26 0-2
ISK X 22 12 37 46.9 38.79N 38.07E 8 2.8 ¶11661471
ISCJB X 22 12 37 49.0–.79 38.69N–.04 38.15E–.05 10 2.8
CSEM X 22 12 37 49.7–.33 38.66N 38.19E 20 2.8
DDA X 22 12 37 50.1 38.67N 38.20E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.4km az=37.5.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=6.0km az=134.0.
DDA X 22 13 13 18.3 37.18N 37.40E 7–4 2.7
¶13910043
ISC X 22 13 31 40.6–.56 37.24N–.03 28.22E–.04 1–9 37 0-2
DDA X 22 13 31 39.8 37.23N 28.12E 7–6 2.9 ¶11661472
ISK X 22 13 31 39.3 37.28N 28.21E 6 2.5L
ISCJB X 22 13 31 40.2–.53 37.23N–.03 28.21E–.03 3–10 2.5L
CSEM X 22 13 31 40.2–.18 37.23N 28.21E 10 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=19.1.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=15.0.
ISK X 22 15 02 27.7 37.21N 28.18E 7 3.0
CSEM X 22 15 02 28.0–.17 37.20N 28.18E 8 3.0 ¶11661473
DDA X 22 15 02 28.1 37.21N 28.13E 7–7 3.0L,2.9
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=25.0.
ISC X 22 18 37 51.0–.51 36.95N–.03 29.11E–.04 7–5 47 0-3
ISCJB X 22 18 37 50.9–.43 36.93N–.03 29.13E–.04 10 ¶11661476
CSEM X 22 18 37 50.5–.12 36.95N 29.12E 2 3.0
DDA X 22 18 37 50.4 36.98N 29.13E 7–4 2.9
ISK X 22 18 37 50.2 36.94N 29.12E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.3km az=4.2.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=20.0.
ISC X 22 20 20 07.5–.52 39.44N–.03 33.06E–.04 6–5 53 0-3
ISK X 22 20 20 05.8 39.47N 33.05E 5 3.1 ¶11661477
ISCJB X 22 20 20 07.6–.41 39.46N–.03 33.04E–.04 10 3.1
CSEM X 22 20 20 07.1–.13 39.46N 33.06E 5 3.0
DDA X 22 20 20 07.1 39.41N 33.10E 4–0 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=42.3.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=133.0.
ISC X 22 20 37 37.0–.76 37.44N–.04 38.92E–.05 12–5 32 0-2
ISK X 22 20 37 35.8 37.40N 38.98E 7 2.9 ¶11661478
DDA X 22 20 37 35.9 37.43N 38.95E 7–4 2.9
ISCJB X 22 20 37 36.6–.72 37.45N–.04 38.93E–.04 9–5 2.9
CSEM X 22 20 37 36.3–.72 37.43N 38.94E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.1km az=153.3.
CSEM Event type ke. Error ellipse: s-maj=15.5km s-min=6.3km az=137.0.
ISC X 22 21 13 52.7–.52 38.56N–.03 39.62E–.03 8–5 44 0-2
ISK X 22 21 13 51.9 38.55N 39.58E 12 2.8 ¶11661479
ISCJB X 22 21 13 52.1–.58 38.55N–.03 39.63E–.03 3–5 2.8
CSEM X 22 21 13 52.5–.23 38.55N 39.59E 8 2.8
DDA X 22 21 13 52.3 38.51N 39.61E 17–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=31.4.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.4km az=69.0.
ISC X 23 00 42 49.3–.39 37.76N–.02 27.53E–.02 2–3 130 0-4
ATH X 23 00 42 46.7 37.84N 27.71E 17–1 3.3 ¶11661480
ISK X 23 00 42 47.8 37.77N 27.53E 5 3.5
ISCJB X 23 00 42 49.0–.41 37.76N–.02 27.54E–.02 5–3 3.5
DDA X 23 00 42 48.7 37.79N 27.53E 8–3 3.5L,3.2
CSEM X 23 00 42 49.1–.14 37.74N 27.51E 2 3.5L,3.2
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=137.8.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=56.0.
ISC X 23 00 44 30.7–.62 37.78N–.04 27.58E–.05 5–8 38 0-2
ATH X 23 00 44 29.8 37.80N 27.66E 10–0 3.3 ¶11661481
ISCJB X 23 00 44 30.5–.47 37.77N–.03 27.56E–.05 10 3.3
CSEM X 23 00 44 30.4–.17 37.78N 27.59E 5 2.8
ISK X 23 00 44 30.1 37.78N 27.53E 10 2.8
DDA X 23 00 44 30.4 37.80N 27.51E 7–1 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=150.8.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.3km az=61.0.
ISC X 23 08 02 44.5–1.4 37.41N–.07 39.07E–.07 9–7 15 0-27
CSEM X 23 08 02 41.3–1.8 37.22N 39.00E 17–6 2.6 ¶13910062
ISCJB X 23 08 02 42.8–1.7 37.37N–.07 39.14E–.07 2–10 2.6
DDA X 23 08 02 48.8 37.58N 38.87E 7–2 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=38.5km s-min=20.1km az=137.0.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=8.4km az=157.7.
ISC X 23 09 43 46.3–.38 39.27N–.02 29.17E–.03 4–4 90 0-2
ISCJB X 23 09 43 46.0–.48 39.25N–.02 29.17E–.03 4–4 ¶11661484
CSEM X 23 09 43 45.9–.12 39.26N 29.20E 2 3.0
DDA X 23 09 43 45.4 39.28N 29.15E 7–6 3.4L
ISK X 23 09 43 46.0 39.21N 29.23E 11 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.3km az=166.7.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=159.0.
ISC X 23 11 34 15.3–.55 39.43N–.04 28.17E–.04 7–6 42 0-2
ISK X 23 11 34 13.3 39.50N 28.28E 5 2.5L ¶11661486
ISCJB X 23 11 34 14.8–.58 39.42N–.04 28.16E–.04 7–5 2.5L
DDA X 23 11 34 14.8 39.46N 28.18E 7–4 2.9
CSEM X 23 11 34 15.0–.24 39.46N 28.22E 8 2.9

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.9km az=32.8.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.1km az=35.0.
ISC X 23 12 50 00.8–.41 39.59N–.03 29.07E–.03 10–5 56 0-2
DDA X 23 12 49 58.9 39.69N 29.14E 7–4 2.8 **¶11661487**
ISCJB X 23 12 50 00.0–.44 39.60N–.03 29.07E–.03 4–6 2.8
CSEM X 23 12 50 00.6–.16 39.58N 29.05E 10 2.8
ISK X 23 12 50 00.5 39.60N 29.00E 6 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=13.7.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=7.0.
ISC X 23 13 01 19.1–.81 37.13N–.05 37.36E–.06 5–11 24 0-1
ISCJB X 23 13 01 18.9–.88 37.13N–.05 37.35E–.05 4–7 **¶13910071**
DDA X 23 13 01 18.8 37.23N 37.23E 7–4 2.7
CSEM X 23 13 01 19.1–.37 37.14N 37.34E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.1km az=146.0.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=6.8km az=141.0.
ISC X 23 16 26 17.9–.88 38.32N–.05 39.01E–.05 14–7 24 0-1
ISK X 23 16 26 16.9 38.36N 38.98E 19 2.6 **¶11661489**
ISCJB X 23 16 26 17.8–.74 38.31N–.05 38.99E–.05 6–8 2.6
CSEM X 23 16 26 17.7–.20 38.34N 39.00E 10 2.9
DDA X 23 16 26 18.3 38.34N 38.95E 7–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.0km az=152.4.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=161.0.
ISC X 23 18 18 05.8–.62 38.20N–.04 42.57E–.03 2–5 60 1-3
DDA X 23 18 18 04.0 38.27N 42.54E 6–7 3.4 **¶11661490**
ISCJB X 23 18 18 05.0–.99 38.20N–.04 42.56E–.03 0–8 3.4
ISK X 23 18 18 05.8 38.19N 42.63E 10 3.3
CSEM X 23 18 18 06.5–.22 38.19N 42.64E 10 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=7.9.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=177.0.
ISC X 23 20 26 08.0–.52 36.93N–.03 29.23E–.04 4–5 60 0-3
ISCJB X 23 20 26 07.5–.53 36.93N–.03 29.23E–.04 2–5 **¶11661492**
CSEM X 23 20 26 07.8–.16 36.93N 29.23E 5 3.2
ISK X 23 20 26 07.0 36.94N 29.23E 4 3.2
DDA X 23 20 26 07.8 36.95N 29.26E 7–4 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.3km az=32.8.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=154.0.
ISC X 23 21 17 10.7–.70 36.15N–.02 31.48E–.02 13–5 3.6b 213 1-39
ISCJB X 23 21 17 08.9–.69 36.11N–.02 31.47E–.02 9–5 3.6b **¶11389461**
NEIC X 23 21 17 08.6 36.12N 31.47E 9 3.7,3.6L
ISK X 23 21 17 08.6 36.11N 31.46E 10 3.5,3.6L
DDA X 23 21 17 09.7 36.10N 31.49E 8–1 3.5,3.6L
CSEM X 23 21 17 10.2–.08 36.15N 31.47E 10 3.3W,3.6L
NIC X 23 21 17 11.4–.20 36.35N 31.65E 34 3.6L,3.3W
IDC X 23 21 17 12.8–2.3 36.19N 31.53E 69–25 3.6b,3.6
HLW X 23 21 17 14.6 35.96N 31.33E 33–41 3.8L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=38.2.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=55.0.
NIC Moment Tensor Solution. $M_0 7.00000 \times 10^{13}$
IDC Error ellipse: s-maj=25.3km s-min=11.1km az=85.0.
ISC X 24 05 03 32.7–.54 36.96N–.03 29.12E–.03 4–5 67 0-3
DDA X 24 05 03 31.7 36.96N 29.16E 24–1 3.1 **¶11661495**
ISCJB X 24 05 03 32.1–.59 36.96N–.03 29.12E–.03 1–5 3.1
CSEM X 24 05 03 32.3–.13 36.95N 29.12E 2 3.0
ISK X 24 05 03 32.2 36.94N 29.13E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=7.8.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=12.0.
ISC X 24 05 36 39.1–.48 37.96N–.03 28.96E–.05 15–5 36 0-2
ISCJB X 24 05 36 38.9–.51 37.96N–.02 28.96E–.05 8–6 **¶11661496**
CSEM X 24 05 36 38.6–.21 37.97N 28.98E 15 2.3L
ISK X 24 05 36 38.5 37.95N 28.92E 17 2.3L
DDA X 24 05 36 38.8 37.97N 28.96E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=172.1.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=81.0.
ISC X 24 08 49 41.9–.53 36.94N–.04 29.10E–.05 20–5 43 0-3
ISK X 24 08 49 40.7 36.97N 29.09E 26 3.0 **¶11661500**
ISCJB X 24 08 49 41.9–.49 36.93N–.03 29.12E–.05 24–6 3.0
CSEM X 24 08 49 41.4–.32 36.95N 29.11E 20 3.0
DDA X 24 08 49 42.0 36.98N 29.16E 7–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.5km az=29.4.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=7.1km az=1.0.
ISC X 24 09 30 34.3–.60 39.46N–.04 28.14E–.05 14–5 36 0-2
ISCJB X 24 09 30 33.9–.60 39.45N–.04 28.14E–.05 9–6 **¶11661501**
CSEM X 24 09 30 33.9–.20 39.45N 28.15E 12 2.8
ISK X 24 09 30 33.2 39.47N 28.24E 6 2.2L
DDA X 24 09 30 34.1 39.46N 28.15E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.6km az=136.5.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.1km az=49.0.
ISC X 24 13 08 02.1–.69 37.51N–.04 35.11E–.05 5–10 22 0-2
ISCJB X 24 13 08 01.7–1.2 37.51N–.06 35.11E–.06 1–17 **¶11661503**
CSEM X 24 13 08 01.7–.20 37.51N 35.10E 2 1.9L
ISK X 24 13 08 01.2 37.46N 35.13E 2 1.9L
DDA X 24 13 08 01.6 37.53N 35.10E 7–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=5.9km az=146.5.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.3km az=127.0.
ISC X 24 15 51 33.6–.61 37.00N–.04 29.03E–.05 5–10 38 0-2
ISK X 24 15 51 32.2 37.00N 29.06E 5 3.0 **¶11661507**
ISCJB X 24 15 51 33.5–.54 36.99N–.03 29.06E–.04 10 3.0
CSEM X 24 15 51 33.3–.17 37.00N 29.05E 5 3.0
DDA X 24 15 51 34.3 36.98N 29.13E 7–6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=42.1.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=169.0.
ISC X 24 19 48 51.5–.75 39.80N–.05 40.72E–.04 8–7 25 0-2
DDA X 24 19 48 49.6 39.72N 40.77E 6–3 2.9 **¶11661510**
ISCJB X 24 19 48 51.0–.80 39.80N–.05 40.73E–.04 0–9 2.9
ISK X 24 19 48 51.1 39.88N 40.72E 8 2.9
CSEM X 24 19 48 52.2–.30 39.88N 40.65E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.3km az=178.5.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=5.6km az=171.0.
ISC X 24 22 06 02.8–.56 36.95N–.03 29.12E–.04 3–9 42 0-2
ISK X 24 22 06 01.6 36.96N 29.08E 6 2.7 **¶11661512**
ISCJB X 24 22 06 02.8–.51 36.94N–.03 29.15E–.04 10 2.7
CSEM X 24 22 06 02.3–.27 36.95N 29.12E 2 2.7
DDA X 24 22 06 02.2 36.94N 29.23E 6–6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=166.5.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=64.0.
ISC X 24 23 33 15.6–.92 38.14N–.05 38.42E–.06 17–14 24 0-2
CSEM X 24 23 33 13.0–.46 37.98N 38.40E 18–3 2.6L **¶13910102**
ISCJB X 24 23 33 15.0–.63 38.11N–.03 38.43E–.05 10 2.6L
DDA X 24 23 33 15.6 38.15N 38.40E 7–2 2.7,2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=6.7km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.6km az=35.1.
ISC X 24 23 59 54.7–.64 37.15N–.03 36.18E–.04 10 32 0-2
ISCJB X 24 23 59 54.0–.61 37.15N–.03 36.20E–.04 10 **¶11661514**
CSEM X 24 23 59 54.6–.37 37.10N 36.16E 2 1.5L
ISK X 24 23 59 54.7 37.26N 36.23E 6 1.5L
DDA X 24 23 59 55.2 37.13N 36.25E 7–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=6.2km az=79.0.
ISC X 25 06 41 44.5–.54 37.20N–.04 28.18E–.04 5–8 28 0-1
ISK X 25 06 41 42.0 37.33N 28.26E 12 2.4L **¶11661517**
DDA X 25 06 41 43.9 37.20N 28.24E 7–7 2.8
ISCJB X 25 06 41 44.1–.53 37.20N–.04 28.17E–.04 10 2.8
CSEM X 25 06 41 44.3–.19 37.21N 28.18E 2 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.8km az=33.2.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=27.0.
ISC X 25 07 58 11.3–.41 40.45N–.03 40.79E–.03 13–5 52 0-2
ISCJB X 25 07 58 10.9–.51 40.45N–.03 40.79E–.03 6–5 **¶11661519**
CSEM X 25 07 58 10.8–.24 40.44N 40.78E 2 2.7
DDA X 25 07 58 10.5 40.45N 40.81E 8–6 2.9
ISK X 25 07 58 11.0 40.45N 40.75E 14 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=163.3.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=156.0.
ISC X 25 09 16 52.0–.45 37.49N–.03 36.33E–.03 7–4 41 0-7
ISK X 25 09 16 50.3 37.62N 36.34E 6 2.4L **¶11661521**
ISCJB X 25 09 16 51.7–.59 37.47N–.03 36.34E–.03 4–5 2.4L
CSEM X 25 09 16 51.6–.17 37.50N 36.31E 5 2.4L
DDA X 25 09 16 51.4 37.51N 36.34E 13–1 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=162.2.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=165.0.
ISC X 25 13 22 40.8–1.1 40.85N–.06 31.44E–.06 4–9 17 0-4
CSEM X 25 13 22 39.1 40.87N 31.47E 7 2.5 **¶13910132**
DDA X 25 13 22 39.1 40.87N 31.47E 7–5 2.5
ISCJB X 25 13 22 40.3–.94 40.88N–.06 31.44E–.06 10 2.5
ISC Event type ke.
CSEM Event type ke. After DDA.
ISCJB Event type ke.
ISC X 25 17 08 57.3–.41 39.57N–.03 42.60E–.03 18–5 44 0-3
CSEM X 25 17 08 56.6–.23 39.50N 42.52E 2 2.6L **¶11661524**
DDA X 25 17 08 56.8 39.55N 42.57E 10–2 3.7L
ISK X 25 17 08 56.2 39.61N 42.57E 5 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=4.0km az=25.0.
ISC X 25 21 02 10.4–.48 36.96N–.03 29.13E–.03 4–6 54 0-3
CSEM X 25 21 02 09.9–.15 36.97N 29.12E 2 2.9 **¶11661526**
DDA X 25 21 02 09.7 36.97N 29.16E 7–3 2.9
ISK X 25 21 02 09.3 36.96N 29.13E 4 2.9
ISCJB X 25 21 02 10.3–.43 36.95N–.03 29.14E–.04 10 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 25 21 40 35.9–.49 36.07N–.02 35.79E–.03 11–4 99 0-4
DDA X 25 21 40 34.5 36.12N 35.72E 4–3 3.5 **¶11661527**
ISCJB X 25 21 40 36.0–.49 36.06N–.02 35.79E–.03 16–6 3.5
CSEM X 25 21 40 35.8–.14 36.09N 35.78E 10 3.5
ISK X 25 21 40 35.9 36.13N 35.78E 15 3.5
NSSC X 25 21 40 38 36.04N 36.03E 25–1 3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.5km az=174.8.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=74.0.
NSSC Event type fe.
ISC X 25 22 42 27.7–.48 37.94N–.03 28.81E–.04 11–7 37 0-2
ISK X 25 22 42 26.8 37.92N 28.79E 6 2.7 **¶11661528**
ISCJB X 25 22 42 27.3–.51 37.94N–.03 28.80E–.04 6–7 2.7
CSEM X 25 22 42 27.3–.13 37.93N 28.80E 10 2.7
DDA X 25 22 42 27.4 37.94N 28.81E 7–3 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=175.8.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=103.0.
ISC X 26 00 46 11.7–.39 38.88N–.03 27.76E–.03 9–3 59 0-2
ISCJB X 26 00 46 11.4–.43 38.89N–.03 27.75E–.03 7–3 **¶11661529**
CSEM X 26 00 46 11.5–.14 38.88N 27.76E 8 2.9
DDA X 26 00 46 11.1 38.88N 27.77E 11–1 2.9
ISK X 26 00 46 11.1 38.89N 27.73E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=151.6.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=122.0.
ISC X 26 04 52 15.5–.48 37.81N–.03 27.67E–.05 15–5 34 0-1
DDA X 26 04 52 14.6 37.84N 27.64E 7–3 2.8 **¶11661530**
ISCJB X 26 04 52 15.3–.48 37.81N–.03 27.65E–.05 10–6 2.8
ISK X 26 04 52 15.2 37.89N 27.74E 25 2.7
CSEM X 26 04 52 15.3–.26 37.83N 27.69E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.1km az=149.5.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.8km az=70.0.
ISC X 26 07 19 57.0–.47 39.76N–.03 39.00E–.04 9–6 38 0-2
ISK X 26 07 19 55.2 39.73N 38.98E 5 2.8 **¶11661533**
ISCJB X 26 07 19 56.4–.52 39.75N–.03 38.98E–.04 1–8 2.8
CSEM X 26 07 19 56.6–.18 39.76N 39.00E 8 2.8
DDA X 26 07 19 56.0 39.75N 39.01E 7–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=38.9.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=110.0.
ISC X 26 08 00 32.4–.62 39.00N–.03 41.61E–.04 6–9 22 0-2
ISCJB X 26 08 00 32.0–.55 39.01N–.03 41.59E–.04 10 **¶11661534**
CSEM X 26 08 00 31.7–.35 38.94N 41.60E 2 2.6
DDA X 26 08 00 31.8 38.99N 41.58E 7–2 2.8
ISK X 26 08 00 32.0 38.99N 41.56E 12 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=157.2.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=7.2km az=13.0.
ISC X 26 09 26 44.0–.93 39.53N–.03 28.83E–.05 17–18 30 0-1
ISCJB X 26 09 26 43.5–.56 39.54N–.03 28.84E–.04 10 **¶11661537**
CSEM X 26 09 26 43.8–.15 39.53N 28.84E 10 2.3L
DDA X 26 09 26 43.7 39.48N 28.80E 7–2 2.9
ISK X 26 09 26 43.6 39.54N 28.85E 6 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.5km az=140.6.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=106.0.
ISC X 26 20 03 46.6–.50 38.82N–.03 38.81E–.04 7–11 31 0-1
ISK X 26 20 03 45.0 38.84N 38.78E 17 2.8 **¶11661542**
ISCJB X 26 20 03 46.2–.49 38.81N–.03 38.81E–.04 10 2.8
CSEM X 26 20 03 46.2–.17 38.80N 38.81E 10 2.9
DDA X 26 20 03 46.2 38.81N 38.77E 7–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=20.5.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=113.0.
ISC X 26 22 46 43.6–1.2 36.00N–.06 30.84E–.05 11–8 36 1-2
ISCJB X 26 22 46 42.8–1.4 36.02N–.06 30.84E–.04 2–9 **¶11661543**
DDA X 26 22 46 42.2 35.97N 30.86E 7–7 3.0
CSEM X 26 22 46 43.9–.38 36.04N 30.82E 10 3.0
ISK X 26 22 46 44.7 36.11N 30.79E 19 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.4km az=15.5.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.2km az=19.0.
ISC X 26 22 49 22.1–.96 36.02N–.05 30.84E–.04 10–6 47 1-3
ISCJB X 26 22 49 22.0–1.1 36.06N–.05 30.85E–.04 7–7 **¶11661544**
CSEM X 26 22 49 21.9–.23 36.03N 30.82E 10 3.2
ISK X 26 22 49 21.5 36.05N 30.85E 9 3.2
DDA X 26 22 49 21.5 36.01N 30.82E 19–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.1km az=16.2.

CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=18.0.
ISC X 27 02 24 28.4–.28 36.88N–.02 30.50E–.03 94–5 162 0-11
ISCJB X 27 02 24 27.1–.26 36.87N–.02 30.49E–.03 102–4 ¶11661545
CSEM X 27 02 24 28.3–.09 36.86N 30.50E 100 3.6
ISK X 27 02 24 28.5 36.96N 30.52E 86 3.3,3.3L
DDA X 27 02 24 28.2 36.94N 30.49E 89–1 3.6,3.3L
HLW X 27 02 24 36.3 36.13N 30.42E 32–37 3.4,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=159.3.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=69.0.
ISC X 27 02 38 25.3–.48 39.10N–.03 39.09E–.05 15–7 31 0-1
DDA X 27 02 38 24.8 39.11N 39.11E 7–3 3.1 ¶11661546
ISK X 27 02 38 24.3 39.11N 39.07E 16 2.7
ISCJB X 27 02 38 25.0–.48 39.10N–.03 39.08E–.05 8–7 2.7
CSEM X 27 02 38 25.0–.14 39.09N 39.09E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=20.9.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=96.0.
ISC X 27 03 24 39.5–.94 37.03N–.04 28.35E–.05 12–10 24 0-1
ISK X 27 03 24 37.9 37.01N 28.40E 3 1.7L ¶11661547
ISCJB X 27 03 24 39.2–.73 37.02N–.05 28.33E–.05 12–6 1.7L
CSEM X 27 03 24 39.1–.25 37.01N 28.36E 10 1.7L
DDA X 27 03 24 39.7 37.04N 28.31E 7–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.3km az=34.5.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=34.0.
ISC X 27 03 25 41.5–.63 38.81N–.06 40.65E–.04 17–10 21 0-1
CSEM X 27 03 25 36.8–1.5 39.15N 40.83E 15 2.5 ¶11661548
ISCJB X 27 03 25 41.3–.58 38.81N–.04 40.64E–.04 10 2.5
DDA X 27 03 25 41.3 38.77N 40.67E 7–3 2.6
ISK X 27 03 25 41.8 38.82N 40.59E 17 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=30.8km s-min=16.4km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=28.0.
ISC X 27 04 25 25.1–.37 38.91N–.02 28.23E–.02 0–4 84 0-3
ISK X 27 04 25 24.8 38.90N 28.21E 5 3.3 ¶11661549
DDA X 27 04 25 24.7 38.91N 28.21E 8–4 3.2
ISCJB X 27 04 25 25.0–.30 38.91N–.02 28.24E–.02 10 3.2
CSEM X 27 04 25 25.1–.11 38.90N 28.22E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=8.9.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=39.0.
ISC X 27 04 28 24.2–.52 39.39N–.03 33.12E–.03 3–5 61 0-2
ISK X 27 04 28 23.4 39.44N 33.12E 2 3.0 ¶11661550
DDA X 27 04 28 23.6 39.38N 33.14E 7–3 2.9
ISCJB X 27 04 28 24.2–.40 39.41N–.03 33.17E–.03 10 2.9
CSEM X 27 04 28 24.0–.15 39.39N 33.10E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=154.8.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=150.0.
ISC X 27 10 49 35.8–.61 37.24N–.04 37.29E–.05 9–5 30 0-2
ISK X 27 10 49 33.8 37.16N 37.30E 5 2.2L ¶11661556
CSEM X 27 10 49 34.9–.36 37.25N 37.30E 5 2.2L
ISCJB X 27 10 49 35.2–.72 37.24N–.04 37.31E–.06 5–7 2.2L
DDA X 27 10 49 37.7 37.12N 37.41E 7–2 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=6.8km az=127.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.9km az=27.0.
ISC X 27 12 37 38.4–.44 39.08N–.03 26.49E–.03 10–4 44 0-2
ISCJB X 27 12 37 37.8–.48 39.08N–.03 26.49E–.04 3–5 ¶11661559
CSEM X 27 12 37 37.8–.16 39.11N 26.50E 8 2.2L
ISK X 27 12 37 37.1 39.12N 26.49E 9 2.7
DDA X 27 12 37 38.4 39.12N 26.52E 7–4 2.8
THE X 27 12 37 38.5 39.09N 26.44E 0–2 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=38.5.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=34.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=154.0.
ISC X 27 13 54 45.1–1.0 39.22N–.04 41.46E–.09 8–10 16 0-2
CSEM X 27 13 54 43.9 39.20N 41.48E 13 2.8 ¶11661560
ISK X 27 13 54 43.9 39.20N 41.48E 13 2.8
DDA X 27 13 54 44.8 39.26N 41.16E 7–4 2.7
ISCJB X 27 13 54 45.0–.62 39.24N–.04 41.43E–.07 10 2.7
ISC Event type ke.
CSEM Event type ke. After ISK.
ISCJB Event type ke.
ISC X 27 14 28 03.1–.73 39.70N–.05 30.75E–.08 9–11 26 0-1
DDA X 27 14 28 01.6 39.72N 30.75E 7–2 2.6 ¶11661561
ISCJB X 27 14 28 02.7–.66 39.72N–.05 30.76E–.07 10 2.6
CSEM X 27 14 28 02.9–.29 39.70N 30.75E 2 2.5
ISK X 27 14 28 03.0 39.70N 30.81E 12 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.0km az=143.2.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=5.5km az=59.0.
ISC X 27 15 24 00.4–.65 37.08N–.04 27.92E–.05 5–10 29 0-1
ISK X 27 15 23 57.6 37.10N 27.95E 28 2.1L ¶11661566
DDA X 27 15 23 58.7 37.04N 27.87E 7–5 2.8
ISCJB X 27 15 23 59.8–.67 37.08N–.04 27.92E–.05 11–8 2.8
CSEM X 27 15 23 59.7–.23 37.09N 27.93E 10 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=5.9km az=39.5.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=155.0.
ISC X 28 03 46 34.4–.45 39.40N–.03 28.23E–.03 1–10 54 0-2
ISCJB X 28 03 46 33.8–.42 39.40N–.03 28.23E–.03 10 ¶11661575
DDA X 28 03 46 33.5 39.41N 28.21E 7–5 3.1
CSEM X 28 03 46 34.8–.22 39.40N 28.22E 2 3.1
ISK X 28 03 46 34.1 39.44N 28.23E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=6.1.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.3km az=120.0.
ISC X 28 06 22 43.4–.31 39.77N–.02 27.79E–.02 6–3 104 0-2
ISCJB X 28 06 22 42.7–.38 39.77N–.02 27.81E–.02 1–4 ¶15076316
ISK X 28 06 22 42.6 39.74N 27.72E 7 2.9L,2.8
DDA X 28 06 22 42.9 39.75N 27.81E 6–3 3.1,2.8
CSEM X 28 06 22 43.2–.12 39.75N 27.75E 8 3.1,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=21.2.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=50.0.
ISC X 28 10 48 57.7–.55 38.71N–.03 38.24E–.04 18–5 30 0-2
ISK X 28 10 48 53.7 38.80N 38.11E 5 2.9 ¶11661577
DDA X 28 10 48 55.6 38.72N 38.08E 7–5 2.8
CSEM X 28 10 48 56.7–.42 38.71N 38.22E 5 2.9
ISCJB X 28 10 48 57.4–.58 38.71N–.03 38.25E–.04 12–6 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 28 14 28 42.7–.84 39.05N–.04 37.83E–.05 13–7 44 0-2
DDA X 28 14 28 41.8 39.05N 37.80E 7–1 2.9 ¶11661580
ISK X 28 14 28 41.8 39.02N 37.79E 18 2.9
CSEM X 28 14 28 42.0–.23 39.06N 37.82E 10 2.9
ISCJB X 28 14 28 43.3–.61 39.05N–.04 37.83E–.05 24–8 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 28 14 37 26.9–.71 39.06N–.04 37.90E–.05 24–6 46 0-2
DDA X 28 14 37 24.1 39.04N 37.82E 7–1 3.0 ¶11661581
ISK X 28 14 37 24.3 39.02N 37.77E 19 3.0
CSEM X 28 14 37 24.3–.28 39.06N 37.78E 15 3.0
ISCJB X 28 14 37 26.8–.65 39.06N–.04 37.90E–.05 26–6 3.0
ISC Event type ke.
CSEM Event type ke.

ISCJB Event type ke.
ISC X 28 14 50 42.2–.39 38.92N–.02 28.21E–.02 2–5 79 0-2
ISCJB X 28 14 50 41.8–.48 38.93N–.02 28.22E–.03 2–5 ¶11661582
DDA X 28 14 50 41.3 38.94N 28.20E 6–5 2.9
ISK X 28 14 50 41.8 38.91N 28.20E 5 3.0
CSEM X 28 14 50 42.1–.12 38.92N 28.21E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=0.9.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=156.0.
ISC X 28 19 25 54.9–.51 38.81N–.03 40.07E–.03 8–4 51 0-2
ISCJB X 28 19 25 54.3–.62 38.80N–.03 40.08E–.03 4–5 ¶11661590
CSEM X 28 19 25 54.7–.20 38.83N 40.05E 5 3.0
ISK X 28 19 25 54.0 38.85N 40.05E 3 3.0
DDA X 28 19 25 54.2 38.79N 40.08E 28–1 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=20.2.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=136.0.
ISC X 29 12 06 54.0–.46 38.45N–.02 39.39E–.03 2–4 70 0-3
ISCJB X 29 12 06 53.4–.50 38.46N–.02 39.39E–.03 0–5 ¶11661596
ISK X 29 12 06 53.2 38.47N 39.35E 4 3.2
DDA X 29 12 06 53.6 38.43N 39.37E 7–5 3.5
CSEM X 29 12 06 54.0–.23 38.44N 39.37E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=36.7.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.8km az=127.0.
ISC X 29 12 07 05.4–.53 39.71N–.04 30.78E–.06 10–6 37 0-1
ISCJB X 29 12 07 05.0–.52 39.72N–.04 30.78E–.06 10 ¶11661597
CSEM X 29 12 07 04.8–.23 39.72N 30.77E 10 2.6
ISK X 29 12 07 04.8 39.71N 30.82E 15 2.6
DDA X 29 12 07 04.7 39.70N 30.77E 7–5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=147.8.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=5.0km az=64.0.
ISC X 29 12 52 21.9–.71 38.44N–.03 39.36E–.04 2–6 49 0-2
ISCJB X 29 12 52 21.6–.73 38.44N–.03 39.35E–.03 0–6 ¶11661598
ISK X 29 12 52 21.5 38.45N 39.32E 6 2.7
CSEM X 29 12 52 21.6–.39 38.44N 39.38E 2 2.7
DDA X 29 12 52 21.8 38.41N 39.33E 5–5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.5km az=17.5.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.6km az=114.0.
ISC X 29 19 37 54.9–.67 36.96N–.04 29.17E–.04 10–6 37 0-2
DDA X 29 19 37 53.4 36.96N 29.13E 6–5 2.9 ¶11661602
ISCJB X 29 19 37 54.6–.70 36.95N–.04 29.18E–.04 10–6 2.9
CSEM X 29 19 37 54.5–.31 36.98N 29.17E 5 2.1L
ISK X 29 19 37 54.8 36.99N 29.19E 13 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=5.3km az=167.3.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.5km az=3.0.
ISC X 29 22 06 07.8–.50 39.13N–.03 29.40E–.03 3–7 39 1-2
DDA X 29 22 06 06.9 39.13N 29.41E 6–3 3.0 ¶11661603
ISCJB X 29 22 06 07.2–.62 39.12N–.04 29.40E–.03 0–9 3.0
CSEM X 29 22 06 07.4–.12 39.14N 29.40E 2 3.0
ISK X 29 22 06 07.1 39.11N 29.37E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.1km az=8.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=179.0.
ISC X 30 04 07 39.1–.63 37.50N–.04 39.02E–.03 9–4 41 0-2
DDA X 30 04 07 37.8 37.50N 39.02E 7–6 3.0 ¶11661613
ISK X 30 04 07 37.1 37.41N 39.11E 9 2.8
ISCJB X 30 04 07 38.7–.74 37.51N–.04 39.03E–.04 5–5 2.8
CSEM X 30 04 07 39.0–.42 37.53N 39.03E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=155.8.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.4km az=143.0.
ISC X 30 07 08 34.4–.79 40.81N–.05 30.94E–.04 11–4 38 0-1
DDA X 30 07 08 33.8 40.92N 30.85E 7–1 2.9 ¶11661616
ISCJB X 30 07 08 34.0–.76 40.83N–.05 30.93E–.04 11–4 2.9
CSEM X 30 07 08 34.4–.26 40.82N 30.93E 10 2.9
ISK X 30 07 08 34.2 40.76N 30.90E 15 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.3km az=14.2.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=17.0.
ISC X 30 10 01 24.1–.66 37.20N–.04 28.17E–.04 10–7 25 0-1
ISK X 30 10 01 21.6 37.26N 28.25E 22 2.0L ¶11661619
ISCJB X 30 10 01 23.9–.56 37.21N–.04 28.17E–.05 7–7 2.0L
CSEM X 30 10 01 23.8–.25 37.21N 28.18E 2 2.0L
DDA X 30 10 01 23.8 37.22N 28.18E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.6km az=35.9.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=23.0.
ISC X 30 10 22 29.2–.41 39.49N–.03 28.15E–.03 9–4 58 0-2
ISCJB X 30 10 22 28.6–.44 39.49N–.02 28.15E–.03 4–6 ¶11661620
CSEM X 30 10 22 28.8–.18 39.47N 28.14E 10 2.9
ISK X 30 10 22 28.1 39.47N 28.07E 6 2.7
DDA X 30 10 22 29.1 39.48N 28.18E 7–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=144.5.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=42.0.
ISC X 30 11 07 06.0–.49 39.48N–.03 28.16E–.04 17–4 43 0-2
ISCJB X 30 11 07 05.5–.55 39.47N–.03 28.13E–.04 13–5 ¶11661621
CSEM X 30 11 07 05.4–.18 39.47N 28.17E 15 2.9
DDA X 30 11 07 05.2 39.46N 28.18E 7–4 2.9
ISK X 30 11 07 05.2 39.49N 28.13E 13 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.9km az=41.8.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.9km az=43.0.
ISC X 30 12 50 57.2–.57 39.49N–.04 28.15E–.05 16–5 31 0-1
ISCJB X 30 12 50 56.7–.60 39.47N–.04 28.12E–.05 12–5 ¶11661624
CSEM X 30 12 50 56.4–.20 39.50N 28.15E 10 2.8
ISK X 30 12 50 56.3 39.48N 28.10E 12 2.9
DDA X 30 12 50 56.6 39.51N 28.20E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.5km az=39.3.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.7km az=41.0.
ISC X 30 13 43 34.0–.49 37.23N–.04 28.19E–.03 9–6 35 0-2
ISCJB X 30 13 43 33.6–.48 37.22N–.04 28.18E–.04 11–6 ¶11661625
ISK X 30 13 43 33.2 37.21N 28.17E 12 2.2L
CSEM X 30 13 43 33.6–.20 37.23N 28.19E 8 2.2L
DDA X 30 13 43 33.9 37.23N 28.19E 7–5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.3km az=28.9.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=23.0.
ISC X 30 13 55 21.0–.74 39.44N–.05 28.13E–.05 10–7 32 0-2
ISK X 30 13 55 19.8 39.45N 28.12E 3 2.7 ¶11661626
ISCJB X 30 13 55 20.3–.91 39.43N–.06 28.12E–.05 4–8 2.7
CSEM X 30 13 55 20.6–.27 39.45N 28.14E 8 2.7
DDA X 30 13 55 20.8 39.49N 28.21E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=4.9km az=25.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.4km az=29.0.
ISC X 30 17 40 05.3–.92 37.44N–.06 38.90E–.05 13–5 30 0-2
ISK X 30 17 40 03.2 37.39N 39.03E 10 2.6 ¶11661629
ISCJB X 30 17 40 04.9–.87 37.46N–.05 38.91E–.05 12–5 2.6
CSEM X 30 17 40 05.2–.48 37.45N 38.91E 10 2.6
DDA X 30 17 40 05.2 37.45N 38.89E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.1km az=147.5.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=6.0km az=146.0.
ISC X 30 21 29 36.1–.45 37.01N–.03 29.15E–.03 0–4 116 0-5
ISCJB X 30 21 29 35.7–.45 37.01N–.03 29.15E–.02 5–4 ¶11661634

CSEM	X	30 21 29 35.8–.14	37.00N	29.14E	2	3.6			
ISK	X	30 21 29 35.2	36.96N	29.10E	11	3.6			
DDA	X	30 21 29 35.5	36.98N	29.16E	7–3	3.2			
THE	X	30 21 29 46.8	36.64N	28.51E	1–4	3.4L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=159.5.								
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=165.0.								
THE	Event type ke. Error ellipse: s-maj=11.0km s-min=2.0km az=80.0.								
ISC	**X**	**30 22 34 20.9–.43**	**40.54N–.02**	**36.57E–.03**	**8–4**		**70**	**0-3**	
DDA	X	30 22 34 19.3	40.56N	36.55E	20–1	2.9			¶11661636
ISCJB	X	30 22 34 20.3–.44	40.53N–.02	36.56E–.02	6–4	2.9			
CSEM	X	30 22 34 20.5–.17	40.55N	36.60E	2	2.9			
ISK	X	30 22 34 20.1	40.55N	36.58E	5	3.1			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=177.4.								
CSEM	Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=4.0.								
ISC	**X**	**31 04 02 41.0–.42**	**39.10N–.02**	**40.71E–.03**	**2–5**		**62**	**0-2**	
ISK	X	31 04 02 39.8	39.10N	40.71E	5	3.0			¶11661639
ISCJB	X	31 04 02 40.7–.34	39.13N–.02	40.70E–.03	10	3.0			
DDA	X	31 04 02 40.3	39.11N	40.77E	1–1	3.0			
CSEM	X	31 04 02 41.8–.29	39.11N	40.67E	5	3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=20.5.								
CSEM	Event type ke. Error ellipse: s-maj=8.9km s-min=5.1km az=122.0.								
ISC	**X**	**31 08 16 52.3–.70**	**41.10N–.04**	**34.52E–.05**	**8–9**		**31**	**0-2**	
ISK	X	31 08 16 50.9	41.14N	34.46E	5	2.7			¶11661641
DDA	X	31 08 16 51.0	41.07N	34.58E	7–2	2.8			
ISCJB	X	31 08 16 51.8–.59	41.11N–.03	34.51E–.05	10	2.8			
CSEM	X	31 08 16 51.5–.30	41.08N	34.54E	2	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=37.7.								
CSEM	Event type ke. Error ellipse: s-maj=6.7km s-min=5.4km az=127.0.								
ISC	**X**	**31 10 30 26.2–1.3**	**38.34N–.09**	**38.70E–.05**	**16–10**		**24**	**0-1**	
CSEM	X	31 10 30 25.3–.40	38.34N	38.71E	20	1.6L			¶11661645
ISK	X	31 10 30 25.7	38.39N	38.68E	17	1.6L			
DDA	X	31 10 30 25.5	38.32N	38.72E	7–1	2.8			
ISCJB	X	31 10 30 26.1–.84	38.34N–.07	38.71E–.05	12–7	2.8			
ISC	Event type ke.								
CSEM	Event type ke.								
ISCJB	Event type ke.								
ISC	**X**	**31 10 31 15.7–.57**	**37.21N–.05**	**28.19E–.04**	**10–7**		**28**	**0-1**	
ISCJB	X	31 10 31 15.3–.57	37.21N–.05	28.18E–.04	10–8				¶11661646
CSEM	X	31 10 31 15.6–.22	37.22N	28.18E	10	2.3L			
ISK	X	31 10 31 15.2	37.25N	28.16E	7	2.3L			
DDA	X	31 10 31 15.0	37.17N	28.07E	7–5	3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=8.5km s-min=4.9km az=29.8.								
CSEM	Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=26.0.								
ISC	**X**	**31 12 52 06.2–2.0**	**38.06N–.10**	**37.98E–.08**	**13–6**		**24**	**0-1**	
CSEM	X	31 12 52 07.9–.97	38.36N	37.97E	12	2.9			¶11661648
DDA	X	31 12 52 08.6	38.19N	38.04E	7–1	2.9			
ISK	X	31 12 52 08.1	38.46N	38.07E	14	2.8			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=25.1km s-min=14.3km az=24.0.								
ISC	**X**	**31 14 09 02.9–.66**	**39.32N–.04**	**30.49E–.05**	**5–8**		**35**	**0-2**	
DDA	X	31 14 09 01.4	39.30N	30.50E	7–4	2.9			¶11661649
ISCJB	X	31 14 09 02.5–.56	39.34N–.04	30.46E–.05	10	2.9			
CSEM	X	31 14 09 02.5–.31	39.32N	30.48E	10	2.9			
ISK	X	31 14 09 02.4	39.33N	30.46E	16	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.9km s-min=3.9km az=140.8.								
CSEM	Event type ke. Error ellipse: s-maj=8.9km s-min=5.3km az=150.0.								
ISC	**X**	**31 19 14 24.3–.53**	**37.52N–.03**	**38.79E–.04**	**10–4**		**43**	**0-2**	
CSEM	X	31 19 14 23.9–.27	37.53N	38.80E	10	3.0			¶11661652
ISK	X	31 19 14 23.5	37.53N	38.76E	7	3.0			
DDA	X	31 19 14 23.9	37.54N	38.82E	7–2	3.0			
ISCJB	X	31 19 14 24.0–.52	37.54N–.03	38.79E–.04	7–5	3.0			
ISC	Event type ke.								
CSEM	Event type ke.								
ISCJB	Event type ke.								
ISC	**X**	**31 21 42 15.0–.45**	**38.95N–.02**	**38.65E–.04**	**4–5**		**53**	**0-2**	
ISCJB	X	31 21 42 14.9–.37	38.93N–.02	38.67E–.04	10				¶11661653
CSEM	X	31 21 42 14.7–.14	38.92N	38.65E	10	2.9			
ISK	X	31 21 42 14.2	38.91N	38.65E	10	2.9			
DDA	X	31 21 42 14.7	38.94N	38.58E	7–2	2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=0.1.								
CSEM	Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=89.0.								
ISC	**XI**	**01 02 15 00.2–.44**	**36.02N–.02**	**35.93E–.03**	**19–3**		**69**	**0-3**	
DDA	XI	01 02 14 58.5	36.06N	35.86E	24–1	3.3			¶12071809
ISCJB	XI	01 02 14 59.9–.42	36.03N–.02	35.92E–.04	21–5	3.3			
CSEM	XI	01 02 14 59.8–.15	36.04N	35.94E	15	3.4			
ISK	XI	01 02 14 59.9	36.08N	35.98E	21	3.4			
NSSC	XI	01 02 15 00	36.06N	36.00E	15–6	3.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=4.1km az=2.4.								
CSEM	Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=44.0.								
ISC	**XI**	**01 03 12 35.8–.62**	**39.80N–.03**	**33.36E–.04**	**2–6**		**51**	**0-3**	
CSEM	XI	01 03 12 35.6–.12	39.80N	33.35E	2	3.0			¶12071818
DDA	XI	01 03 12 35.5	39.77N	33.38E	7–2	3.0			
ISK	XI	01 03 12 35.6	39.81N	33.31E	7	3.1			
ISCJB	XI	01 03 12 36.2–.40	39.81N–.03	33.34E–.04	10	3.1			
ISC	Event type ke.								
CSEM	Event type ke.								
ISCJB	Event type ke.								
ISC	**XI**	**01 08 28 06.1–.61**	**40.51N–.04**	**29.26E–.04**	**7–6**		**32**	**0-1**	
ISK	XI	01 08 28 04.9	40.50N	29.24E	2	2.5			¶12071837
ISCJB	XI	01 08 28 05.8–.61	40.54N–.04	29.26E–.04	10	2.5			
CSEM	XI	01 08 28 05.9–.20	40.49N	29.26E	2	2.5			
DDA	XI	01 08 28 06.0	40.44N	29.22E	7–3	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=3.0.								
CSEM	Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=165.0.								
ISC	**XI**	**01 14 32 49.8–.37**	**39.18N–.02**	**29.43E–.02**	**2–3**		**152**	**0-4**	
DDA	XI	01 14 32 49.2	39.16N	29.40E	9–2	3.5L,3.4			¶12071860
ISK	XI	01 14 32 49.5	39.14N	29.40E	7	3.3L,3.4			
CSEM	XI	01 14 32 49.6–.09	39.16N	29.43E	2	3.5L,3.4			
ISCJB	XI	01 14 32 50.1–.24	39.17N–.02	29.43E–.02	10	3.5L,3.4			
ATH	XI	01 14 32 58.1	39.43N	28.96E	35	3.4,3.4			
ISC	Event type ke.								
CSEM	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=5.4.								
ATH	Error ellipse: s-maj=9.7km s-min=14.1km az=-1.0.								
ISC	**XI**	**01 18 45 45.0–.75**	**37.87N–.04**	**43.08E–.05**	**2–8**		**28**	**1-2**	
DDA	XI	01 18 45 43.7	37.82N	43.09E	19–3	3.1			¶12071887
ISK	XI	01 18 45 44.2	37.90N	43.16E	5	2.9			
CSEM	XI	01 18 45 44.5–.28	37.87N	43.10E	2	2.9			
ISCJB	XI	01 18 45 45.0–.53	37.87N–.04	43.13E–.04	10	2.9			
ISC	Event type ke.								
CSEM	Event type ke.								
ISCJB	Event type ke.								
ISC	**XI**	**01 19 03 54.7–.61**	**40.78N–.04**	**31.66E–.03**	**4–7**		**39**	**0-2**	
DDA	XI	01 19 03 53.7	40.81N	31.63E	6–3	3.0			¶12071889
ISK	XI	01 19 03 53.3	40.74N	31.68E	5	2.9			
ISCJB	XI	01 19 03 54.7–.54	40.78N–.04	31.64E–.03	10	2.9			
CSEM	XI	01 19 03 54.3–.19	40.73N	31.68E	2	3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=178.9.								
CSEM	Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=165.0.								
ISC	**XI**	**01 19 40 25.0–.44**	**38.94N–.03**	**28.14E–.04**	**10**		**52**	**0-2**	
ISK	XI	01 19 40 23.4	38.94N	28.16E	5	2.9			¶12071895
ISCJB	XI	01 19 40 24.6–.45	38.94N–.03	28.13E–.04	10	2.9			
CSEM	XI	01 19 40 24.6–.15	38.95N	28.14E	2	2.9			
DDA	XI	01 19 40 24.7	38.95N	28.16E	7–3	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=41.8.								
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=27.0.								
ISC	**XI**	**01 21 10 58.5–.56**	**37.50N–.04**	**35.70E–.04**	**9–6**		**33**	**0-2**	
DDA	XI	01 21 10 57.7	37.50N	35.73E	7–6	3.2			¶12071911
ISCJB	XI	01 21 10 58.3–.64	37.49N–.04	35.69E–.04	10–5	3.2			
CSEM	XI	01 21 10 58.3–.27	37.51N	35.72E	10	2.4			
ISK	XI	01 21 10 58.0	37.55N	35.82E	11	2.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=5.2km az=136.1.								
CSEM	Event type ke. Error ellipse: s-maj=6.0km s-min=5.3km az=132.0.								
ISK	**XI**	**01 22 56 18.4**	**37.55N**	**35.68E**	**6**	**2.3**			
CSEM	XI	01 22 56 16.2–1.1	37.78N	35.63E	10	2.3			¶12071920
DDA	XI	01 22 56 19.2	37.58N	35.66E	7–2	2.9			
CSEM	Event type ke. Error ellipse: s-maj=27.5km s-min=16.9km az=150.0.								
ISC	**XI**	**01 23 26 12.6–.40**	**39.76N–.03**	**27.90E–.03**	**8–5**		**56**	**0-2**	
ISCJB	XI	01 23 26 12.2–.43	39.77N–.03	27.90E–.03	7–4				¶12071923
CSEM	XI	01 23 26 12.5–.07	39.76N	27.89E	8	2.8			
ISK	XI	01 23 26 12.0	39.76N	27.89E	7	2.8			
DDA	XI	01 23 26 12.4	39.75N	27.89E	7–3	2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=32.9.								
CSEM	Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=47.0.								
ISC	**XI**	**02 00 32 28.8–.44**	**41.92N–.02**	**27.47E–.02**	**6–3**		**234**	**1-6**	
ISK	XI	02 00 32 27.7	41.98N	27.49E	10	3.6,3.6L			¶12071930
SOF	XI	02 00 32 27.4	41.87N	27.44E	9	2.9,3.6L			
ISCJB	XI	02 00 32 28.1–.52	41.93N–.02	27.46E–.02	8–4	2.9,3.6L			
CSEM	XI	02 00 32 29.2–.08	41.91N	27.47E	10	3.6,3.6L			
THE	XI	02 00 32 29.3	41.88N	27.43E	2–3	3.6,3.6L			
DDA	XI	02 00 32 32.5	41.70N	27.62E	27–1	3.6L,3.6L			
ATH	XI	02 00 32 35.3	41.55N	27.13E	91–9	3.6L,3.6L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=136.8.								
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=44.0.								
THE	Event type ke. Error ellipse: s-maj=5.6km s-min=1.0km az=67.0.								
ATH	Error ellipse: s-maj=9.2km s-min=8.7km az=-1.0.								
ISC	**XI**	**02 03 59 00.3–.47**	**37.90N–.03**	**43.12E–.04**	**10**		**34**	**1-3**	
DDA	XI	02 03 58 58.7	37.88N	43.07E	7–4	3.1			¶12071946
ISCJB	XI	02 03 58 59.9–.47	37.90N–.03	43.13E–.04	10	3.1			
CSEM	XI	02 03 58 59.8–.29	37.91N	43.13E	2	3.2			
ISK	XI	02 03 58 59.9	37.89N	43.15E	9	3.2			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=3.8km az=37.2.								
CSEM	Event type ke. Error ellipse: s-maj=8.2km s-min=5.0km az=56.0.								
ISC	**XI**	**02 07 54 29.0–.59**	**37.07N–.05**	**28.31E–.06**	**9–11**		**27**	**0-1**	
ISK	XI	02 07 54 25.4	37.06N	28.50E	6	2.0			¶14011156
ISCJB	XI	02 07 54 28.5–.58	37.07N–.05	28.30E–.07	10	2.0			
CSEM	XI	02 07 54 28.5–.24	37.07N	28.32E	2	2.0			
DDA	XI	02 07 54 28.0	37.08N	28.30E	7–2	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=10.0km s-min=4.4km az=43.5.								
CSEM	Event type ke. Error ellipse: s-maj=8.3km s-min=4.3km az=40.0.								
ISC	**XI**	**02 11 20 25.1–.45**	**40.89N–.03**	**28.73E–.04**	**7–6**		**44**	**0-2**	
ISCJB	XI	02 11 20 24.7–.46	40.89N–.03	28.74E–.04	4–7				¶12071979
DDA	XI	02 11 20 24.4	40.92N	28.75E	7–2	2.7			
ISK	XI	02 11 20 24.4	40.87N	28.75E	16	2.7			
CSEM	XI	02 11 20 25.1–.17	40.89N	28.74E	5	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.1km s-min=4.6km az=144.1.								
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=83.0.								
ISC	**XI**	**02 11 31 09.7–.39**	**40.39N–.02**	**27.43E–.03**	**10–4**		**57**	**0-2**	
ISCJB	XI	02 11 31 09.5–.43	40.39N–.02	27.43E–.04	7–5				¶12071980
CSEM	XI	02 11 31 09.7–.08	40.40N	27.44E	8–1	2.7			
DDA	XI	02 11 31 09.4	40.39N	27.43E	7–3	2.7			
ISK	XI	02 11 31 09.5	40.40N	27.43E	6	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=158.4.								
CSEM	Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=49.0.								
ISC	**XI**	**02 12 02 59.6–.49**	**40.12N–.03**	**30.55E–.04**	**10–6**		**42**	**0-2**	
ISK	XI	02 12 02 58.2	40.10N	30.54E	4	2.7			¶12071983
ISCJB	XI	02 12 02 59.1–.51	40.11N–.03	30.54E–.04	3–8	2.7			
CSEM	XI	02 12 02 59.0–.21	40.13N	30.57E	0–3	2.8			
DDA	XI	02 12 02 59.5	40.10N	30.54E	7–5	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=25.2.								
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=129.0.								
DDA	**XI**	**02 13 05 49.9**	**38.11N**	**39.06E**	**4–4**	**2.8**			
									¶14011164
ISC	**XI**	**02 14 25 13.4–.51**	**37.23N–.04**	**28.19E–.04**	**10**		**31**	**0-2**	
ISK	XI	02 14 25 11.6	37.30N	28.21E	5	2.6			¶12071992
DDA	XI	02 14 25 12.9	37.20N	28.14E	7–3	2.8			
ISCJB	XI	02 14 25 13.0–.50	37.25N–.04	28.19E–.04	10	2.8			
CSEM	XI	02 14 25 13.2–.22	37.24N	28.21E	2	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=20.8.								
CSEM	Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=11.0.								
ISC	**XI**	**02 17 54 51.7–.52**	**36.91N–.03**	**29.34E–.04**	**4–5**		**59**	**0-3**	
ISK	XI	02 17 54 50.6	36.89N	29.34E	4	3.2			¶12072008
ISCJB	XI	02 17 54 51.1–.56	36.90N–.03	29.34E–.04	1–6	3.2			
CSEM	XI	02 17 54 51.2–.14	36.90N	29.35E	2	3.2			
DDA	XI	02 17 54 51.5	36.93N	29.33E	7–4	3.2			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=173.4.								
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=6.0.								
ISC	**XI**	**02 18 00 48.6–.36**	**40.37N–.02**	**27.24E–.03**	**4–6**		**58**	**0-2**	
DDA	XI	02 18 00 47.8	40.38N	27.24E	15–2	2.8			¶12072010
ISCJB	XI	02 18 00 48.2–.41	40.36N–.02	27.23E–.03	4–5	2.8			
CSEM	XI	02 18 00 48.5–.08	40.37N	27.24E	2	2.7			
ISK	XI	02 18 00 48.1	40.38N	27.22E	5	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=176.1.								
CSEM	Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=39.0.								
ISC	**XI**	**03 11 46 05.0–1.0**	**37.22N–.05**	**28.23E–.06**	**17–13**		**19**	**0-1**	
ISCJB	XI	03 11 46 04.8–.81	37.3N–.10	28.21E–.06	7–17				¶14011196
DDA	XI	03 11 46 04.8	37.24N	28.22E	7–2	2.7			
CSEM	XI	03 11 46 05.2–.31	37.22N	28.21E	10	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=18.7km s-min=7.6km az=10.2.								
CSEM	Event type ke. Error ellipse: s-maj=9.7km s-min=4.8km az=46.0.								
ISC	**XI**	**03 11 58 45.9–.91**	**37.36N–.05**	**38.59E–.04**	**5–10**		**28**	**0-1**	
ISCJB	XI	03 11 58 45.8–.97	37.38N–.05	38.58E–.04	1–9				¶12072118
CSEM	XI	03 11 58 45.4–.56	37.36N	38.62E	2	2.7			
ISK	XI	03 11 58 45.3	37.33N	38.66E	13	2.7			
DDA	XI	03 11 58 46.1	37.41N	38.55E	7–7	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.9km s-min=5.3km az=162.3.								
CSEM	Event type ke. Error ellipse: s-maj=12.5km s-min=7.6km az=143.0.								
ISC	**XI**	**03 12 18 24.1–.73**	**39.23N–.04**	**41.55E–.05**	**1–8**		**27**	**0-2**	
CSEM	XI	03 12 18 22.8–.33	39.22N	41.59E	2	2.8			¶12072124
ISCJB	XI	03 12 18 23.5–.69	39.21N–.04	41.58E–.05	10	2.8			
DDA	XI	03 12 18 23.6	39.25N	41.54E	7–6	2.8			
ISK	XI	03 12 18 23.1	39.23N	41.56E	5	2.7			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=6.5km s-min=5.8km az=178.0.								
ISCJB	Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=42.5.								
ISC	**XI**	**03 16 11 42.5–.79**	**41.08N–.05**	**33.74E–.05**	**12–4**		**26**	**0-2**	
ISCJB	XI	03 16 11 41.9–.82	41.12N–.06	33.72E–.06	14–6				¶12072137
ISK	XI	03 16 11 41.9	41.08N	33.69E	7	2.8			

CSEM XI 03 16 11 42.3–.24 41.08N 33.71E 10 2.9
DDA XI 03 16 11 42.8 41.00N 33.81E 7–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=7.4km az=5.1.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=5.5km az=105.0.
ISC XI 03 16 13 04.0–.54 38.92N–.03 30.48E–.04 13–5 27 0-1
ISCJB XI 03 16 13 03.8–.57 38.92N–.03 30.49E–.04 8–6 **¶12072138**
DDA XI 03 16 13 03.5 38.90N 30.47E 7–4 2.6
CSEM XI 03 16 13 03.6–.13 38.93N 30.48E 15 2.2
ISK XI 03 16 13 03.2 38.93N 30.49E 16 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.8km az=33.8.
CSEM Event type ke.
ISC XI 03 16 18 55.3–.66 38.52N–.04 27.22E–.06 12–5 30 0-1
DDA XI 03 16 18 54.4 38.54N 27.23E 12–2 2.8 **¶14011205**
ISCJB XI 03 16 18 55.2–.69 38.54N–.03 27.22E–.06 8–6 2.8
CSEM XI 03 16 18 55.0–.18 38.54N 27.22E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.6km az=13.3.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=128.0.
ISC XI 03 18 18 42.9–.49 37.20N–.03 36.25E–.03 1–9 38 0-2
ISCJB XI 03 18 18 42.4–.61 37.19N–.03 36.26E–.03 1–7 **¶12072151**
CSEM XI 03 18 18 42.7–.28 37.21N 36.27E 10 2.5
DDA XI 03 18 18 42.2 37.21N 36.26E 18–4 2.9
ISK XI 03 18 18 42.8 37.30N 36.25E 9 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.4km az=136.1.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=5.9km az=130.0.
ISC XI 04 02 15 11.2–.60 40.20N–.04 31.80E–.03 2–5 54 0-3
ISK XI 04 02 15 09.6 40.19N 31.79E 5 2.9 **¶12072200**
CSEM XI 04 02 15 10.9–.19 40.18N 31.78E 2 3.2
ISCJB XI 04 02 15 11.3–.45 40.20N–.03 31.74E–.03 10 3.2
DDA XI 04 02 15 11.9 40.15N 31.68E 12–6 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=14.1.
ISC XI 04 03 24 46.9–2.1 37.23N–.06 28.14E–.08 25–23 18 0-1
ISCJB XI 04 03 24 46.7–2.3 37.23N–.05 28.14E–.08 28–26 **¶12072206**
CSEM XI 04 03 24 46.6–.31 37.22N 28.09E 30 2.0
DDA XI 04 03 24 48.0 37.24N 28.03E 7–2 2.5
ISK XI 04 03 24 48.0 37.23N 28.01E 11 2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=7.3km az=144.8.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=7.4km az=37.0.
ISC XI 04 03 40 32.0–1.1 36.10N–.07 29.50E–.05 10 46 0-3
ISK XI 04 03 40 29.8 36.09N 29.42E 5 3.1 **¶12072207**
CSEM XI 04 03 40 30.5–.86 36.05N 29.51E 2 3.0
ISCJB XI 04 03 40 31.7–1.1 36.11N–.07 29.51E–.05 10 3.0
DDA XI 04 03 40 31.2 36.16N 29.52E 2–3 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=18.2km s-min=10.2km az=177.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.8km az=174.8.
ISC XI 04 03 53 10.0–.51 38.64N–.03 31.06E–.03 1–5 67 0-3
ISK XI 04 03 53 08.7 38.64N 31.04E 5 3.0 **¶12072208**
CSEM XI 04 03 53 09.8–.17 38.64N 31.04E 2 2.9
DDA XI 04 03 53 09.2 38.65N 31.06E 15–1 2.9
ISCJB XI 04 03 53 10.1–.40 38.65N–.03 31.07E–.03 10 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISK XI 04 03 54 03.9 37.61N 35.69E 13 2.3
DDA XI 04 03 54 05.8 37.48N 35.71E 7–3 2.6 **¶12072209**
ISC XI 04 03 55 30.3–.55 37.45N–.04 35.73E–.04 8–4 35 0-2
ISK XI 04 03 55 28.9 37.55N 35.69E 5 2.4 **¶12072210**
DDA XI 04 03 55 28.9 37.50N 35.73E 30–1 2.6
ISCJB XI 04 03 55 29.9–.61 37.46N–.04 35.71E–.04 9–4 2.6
CSEM XI 04 03 55 30.0–.26 37.44N 35.72E 12 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=145.1.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=151.0.
ISC XI 04 05 54 14.1–.71 39.40N–.03 38.39E–.07 13–6 27 0-2
ISK XI 04 05 54 12.9 39.34N 38.38E 8 2.8 **¶12072217**
CSEM XI 04 05 54 13.5–.28 39.39N 38.40E 10 2.8
DDA XI 04 05 54 13.6 39.39N 38.35E 7–2 2.8
ISCJB XI 04 05 54 14.2–.85 39.41N–.03 38.44E–.08 10–6 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XI 04 08 17 29.2–.58 36.98N–.03 29.12E–.06 8–9 27 0-2
ISCJB XI 04 08 17 28.8–.64 36.98N–.03 29.12E–.06 6–11 **¶12072225**
CSEM XI 04 08 17 28.9–.21 37.00N 29.12E 8 2.7
ISK XI 04 08 17 28.4 36.97N 29.12E 7 2.7
DDA XI 04 08 17 30.0 37.02N 29.17E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.4km az=15.5.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=140.0.
ISC XI 04 08 31 28.4–.60 39.34N–.03 33.16E–.04 2–7 36 0-2
ISK XI 04 08 31 27.8 39.39N 33.17E 5 2.7 **¶12072226**
ISCJB XI 04 08 31 28.9–.47 39.37N–.03 33.14E–.04 10 2.7
CSEM XI 04 08 31 28.1–.15 39.35N 33.16E 2 2.7
DDA XI 04 08 31 28.3 39.36N 33.23E 7–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=29.5.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=130.0.
ISC XI 04 09 18 14.4–.60 36.92N–.04 29.16E–.04 10–12 31 0-1
ISK XI 04 09 18 13.6 36.89N 29.14E 6 2.8 **¶12072229**
ISCJB XI 04 09 18 14.1–.58 36.92N–.04 29.16E–.04 10 2.8
CSEM XI 04 09 18 14.1–.24 36.93N 29.16E 8 2.8
DDA XI 04 09 18 14.9 36.99N 29.18E 7–5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.2km az=168.1.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.7km az=1.0.
ISK XI 04 12 30 32.9 38.64N 39.35E 28 2.2
DDA XI 04 12 30 34.9 38.67N 39.24E 7–0 2.8L **¶12072242**
ISC XI 04 14 04 56.5–.62 38.54N–.03 39.39E–.04 4–5 47 0-3
ISK XI 04 14 04 54.9 38.49N 39.46E 5 3.0 **¶12072252**
ISCJB XI 04 14 04 56.0–.68 38.54N–.03 39.40E–.03 2–6 3.0
DDA XI 04 14 04 55.7 38.53N 39.39E 21–2 3.0
CSEM XI 04 14 04 56.4–.39 38.51N 39.37E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=7.0km az=68.0.
ISC XI 04 14 05 51.7–.87 38.53N–.04 39.35E–.06 4–9 31 0-2
CSEM XI 04 14 05 50.2–.56 38.51N 39.44E 2 2.7 **¶12072253**
ISK XI 04 14 05 50.7 38.50N 39.36E 10 2.7
ISCJB XI 04 14 05 51.6–.60 38.51N–.04 39.32E–.04 10 2.7
DDA XI 04 14 05 51.0 38.52N 39.36E 7–6 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=7.1km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.1km az=35.5.
ISC XI 04 15 17 46.3–.26 40.06N–.02 38.82E–.02 10 110 1-4
DDA XI 04 15 17 44.9 40.05N 38.77E 8–3 3.4 **¶12072260**
ISK XI 04 15 17 44.9 40.05N 38.82E 3 3.6L,3.5
ISCJB XI 04 15 17 45.7–.26 40.06N–.02 38.80E–.02 10 3.6L,3.5
CSEM XI 04 15 17 45.8–.14 40.05N 38.80E 2 3.5,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=2.3.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=151.0.
ISC XI 04 15 55 18.7–.78 38.53N–.04 39.47E–.06 13–5 28 0-1
ISK XI 04 15 55 16.9 38.49N 39.54E 12 2.6 **¶12072265**
ISCJB XI 04 15 55 17.5–1.0 38.49N–.04 39.53E–.07 6–6 2.6

CSEM XI 04 15 55 18.3–.51 38.56N 39.42E 15 2.6
DDA XI 04 15 55 19.4 38.53N 39.42E 7–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.8km az=22.6.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=10.2km az=94.0.
ISC XI 04 16 17 31.0–1.1 37.17N–.06 37.55E–.05 5–6 29 0-2
ISCJB XI 04 16 17 30.5–1.1 37.17N–.06 37.56E–.05 3–7 **¶12072267**
DDA XI 04 16 17 30.2 37.20N 37.42E 7–6 2.9
ISK XI 04 16 17 30.3 37.21N 37.53E 3 2.7
CSEM XI 04 16 17 31.2–.44 37.20N 37.53E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=6.5km az=159.1.
CSEM Event type ke. Error ellipse: s-maj=12.1km s-min=5.6km az=166.0.
ISC XI 04 17 09 39.8–.52 40.06N–.04 38.82E–.04 9–7 33 0-3
ISCJB XI 04 17 09 39.5–.58 40.04N–.04 38.80E–.04 3–8 **¶12072271**
CSEM XI 04 17 09 39.7–.17 40.04N 38.80E 10 3.0
ISK XI 04 17 09 39.9 40.06N 38.84E 21 2.8
DDA XI 04 17 09 39.8 40.00N 38.75E 7–3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.3km az=8.6.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.7km az=137.0.
ISC XI 04 21 16 30.4–.50 36.92N–.03 29.37E–.04 3–5 59 0-4
ISK XI 04 21 16 28.7 36.93N 29.36E 5 2.9 **¶12072297**
CSEM XI 04 21 16 29.8–.18 36.91N 29.36E 2 2.9
ISCJB XI 04 21 16 30.4–.39 36.92N–.03 29.39E–.04 10 2.9
DDA XI 04 21 16 31.2 37.00N 29.32E 7–3 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=8.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=34.7.
ISC XI 04 22 40 17.1–.57 39.72N–.03 38.87E–.04 5–7 35 0-2
ISCJB XI 04 22 40 17.0–.51 39.73N–.03 38.86E–.04 10 **¶12072307**
CSEM XI 04 22 40 16.7–.12 39.72N 38.88E 5 2.7
ISK XI 04 22 40 16.7 39.71N 38.89E 5 2.7
DDA XI 04 22 40 16.3 39.72N 38.87E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.2km az=38.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=97.0.
DDA XI 05 00 06 28.9 40.10N 42.27E 7–2 2.8
CSEM XI 05 00 06 28.8–.27 40.05N 42.18E 15 2.8 **¶14011258**
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.1km az=29.0.
ISC XI 05 01 15 53.6–.60 36.87N–.03 29.25E–.04 7–5 52 0-3
ISK XI 05 01 15 52.1 36.90N 29.23E 5 3.0 **¶12072320**
ISCJB XI 05 01 15 53.1–.64 36.87N–.03 29.25E–.04 3–6 3.0
DDA XI 05 01 15 54.0 36.91N 29.28E 15–6 3.2
CSEM XI 05 01 15 53.4–.23 36.89N 29.26E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.3km az=4.2.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=3.0.
ISC XI 05 05 10 58.8–.55 40.72N–.04 27.51E–.04 7–8 28 0-1
ISCJB XI 05 05 10 58.4–.61 40.73N–.05 27.52E–.04 3–10 **¶12072335**
CSEM XI 05 05 10 58.9–.22 40.72N 27.52E 8 2.5
DDA XI 05 05 10 58.9 40.66N 27.45E 7–2 2.8
ISK XI 05 05 10 58.0 40.72N 27.53E 7 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.8km az=158.1.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=146.0.
ISC XI 05 05 14 49.9–.62 37.99N–.03 30.99E–.05 6–5 63 1-3
ISCJB XI 05 05 14 49.9–.39 37.99N–.03 31.00E–.05 10 **¶12072337**
CSEM XI 05 05 14 49.6–.11 37.99N 31.00E 8 3.1
DDA XI 05 05 14 49.7 37.99N 30.96E 17–3 3.3
ISK XI 05 05 14 49.2 38.00N 30.97E 8 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=16.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=105.0.
ISC XI 05 05 37 05.5–.56 36.95N–.03 29.16E–.06 15–7 33 0-1
ISK XI 05 05 37 03.9 36.95N 29.16E 26 2.5 **¶12072342**
CSEM XI 05 05 37 04.3–.16 36.92N 29.19E 30 2.5
ISCJB XI 05 05 37 05.2–.70 36.92N–.04 29.20E–.07 23–10 2.5
DDA XI 05 05 37 06.4 37.00N 29.18E 7–2 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.0km az=26.1.
ISC XI 05 10 05 49.0–.41 39.49N–.02 28.20E–.03 4–5 63 0-2
ISCJB XI 05 10 05 48.4–.52 39.48N–.02 28.21E–.03 1–5 **¶12072376**
DDA XI 05 10 05 48.6 39.47N 28.16E 7–6 2.8
CSEM XI 05 10 05 48.8–.15 39.49N 28.22E 5 2.8
ISK XI 05 10 05 48.2 39.52N 28.25E 3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=148.1.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=57.0.
ISC XI 05 11 48 56.8–.84 40.11N–.04 34.67E–.09 8–11 15 1-1
ISCJB XI 05 11 48 56.3–.82 40.11N–.03 34.68E–.08 10 **¶14011268**
CSEM XI 05 11 48 56.1–.28 40.11N 34.66E 8 2.8
DDA XI 05 11 48 56.1 40.09N 34.69E 7–1 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.8km az=4.9.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=4.6km az=98.0.
ISC XI 05 12 01 33.0–.51 39.82N–.03 26.53E–.04 10 34 0-2
ISCJB XI 05 12 01 32.4–.51 39.82N–.03 26.54E–.04 10 **¶12072396**
CSEM XI 05 12 01 32.9–.20 39.83N 26.55E 2 2.4
DDA XI 05 12 01 32.3 39.80N 26.55E 7–2 2.8
ISK XI 05 12 01 32.5 39.84N 26.55E 12 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=32.6.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=49.0.
ISC XI 05 13 17 31.7–.60 38.28N–.03 30.59E–.05 12–5 38 0-2
ISK XI 05 13 17 30.3 38.28N 30.45E 20 2.5 **¶12072407**
ISCJB XI 05 13 17 31.4–.65 38.28N–.03 30.56E–.04 6–7 2.5
CSEM XI 05 13 17 31.2–.22 38.29N 30.58E 12 2.9
DDA XI 05 13 17 31.1 38.28N 30.55E 7–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=5.0km az=141.5.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=127.0.
ISC XI 05 14 38 43.6–.53 37.25N–.04 28.19E–.05 10 28 0-2
ISK XI 05 14 38 42.2 37.27N 28.22E 4 2.4 **¶12072415**
ISCJB XI 05 14 38 43.2–.52 37.24N–.04 28.18E–.05 10 2.4
CSEM XI 05 14 38 43.2–.18 37.25N 28.21E 2 2.4
DDA XI 05 14 38 43.3 37.25N 28.16E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=3.7km az=39.3.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=37.0.
ISC XI 05 20 01 06.5–.36 39.33N–.02 27.42E–.02 9–3 111 0-3
ISK XI 05 20 01 04.8 39.34N 27.39E 5 3.1 **¶12072461**
DDA XI 05 20 01 05.8 39.34N 27.44E 7–3 3.0L
ISCJB XI 05 20 01 05.9–.43 39.34N–.02 27.43E–.02 4–4 3.0L
CSEM XI 05 20 01 06.3–.10 39.33N 27.42E 8 3.1
THE XI 05 20 01 06.3 39.51N 27.42E 10–2 2.5L
ATH XI 05 20 01 07.3 39.21N 27.38E 23 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=174.4.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.3km az=20.0.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=3.3km az=3.0.
ISC XI 05 20 46 05.5–.58 37.51N–.04 35.71E–.04 16–5 30 0-2
ISK XI 05 20 46 03.7 37.57N 35.66E 3 2.3 **¶12072468**
DDA XI 05 20 46 04.9 37.57N 35.69E 7–4 2.9L
ISCJB XI 05 20 46 05.2–.60 37.51N–.03 35.71E–.04 12–5 2.9L
CSEM XI 05 20 46 05.0–.24 37.50N 35.70E 15 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.2km az=11.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=5.0.
ISC XI 06 01 18 56.0–.58 39.66N–.03 38.77E–.05 7–6 31 0-2

ISCJB XI 06 01 18 55.4–.63 39.66N–.03 38.78E–.05 2–8 ¶12072480
CSEM XI 06 01 18 55.7–.21 39.66N 38.77E 8 2.7
ISK XI 06 01 18 55.1 39.63N 38.72E 16 2.7
DDA XI 06 01 18 55.4 39.65N 38.74E 7–3 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.0km az=163.3.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.4km az=91.0.
ISC XI 06 10 46 23.8–.42 39.47N–.03 28.15E–.03 11–4 54 0-2
ISK XI 06 10 46 22.9 39.47N 28.16E 8 2.9 ¶12072519
ISCJB XI 06 10 46 23.3–.43 39.46N–.03 28.14E–.03 8–5 2.9
CSEM XI 06 10 46 23.5–.11 39.47N 28.16E 10 2.9
DDA XI 06 10 46 23.3 39.47N 28.13E 12–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=27.9.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=34.0.
ISC XI 06 11 01 39.8–.85 39.72N–.03 27.81E–.04 12–11 26 0-1
ISK XI 06 11 01 38.7 39.69N 27.71E 6 1.8 ¶12072522
ISCJB XI 06 11 01 39.6–.55 39.73N–.04 27.82E–.04 10–7 1.8
CSEM XI 06 11 01 39.6–.18 39.72N 27.80E 10 1.8
DDA XI 06 11 01 39.4 39.72N 27.81E 7–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=24.8.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=62.0.
ISC XI 06 11 18 45.2–.49 39.52N–.04 28.22E–.05 9–5 40 0-2
ISK XI 06 11 18 43.4 39.51N 28.23E 5 2.7 ¶12072523
ISCJB XI 06 11 18 44.9–.57 39.53N–.04 28.23E–.05 6–6 2.7
CSEM XI 06 11 18 44.9–.19 39.51N 28.21E 10 2.7
DDA XI 06 11 18 44.6 39.48N 28.10E 7–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=44.6.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=47.0.
ISC XI 06 11 41 09.0–.72 38.41N–.06 37.06E–.06 3–10 35 0-2
ISK XI 06 11 41 07.1 38.48N 37.01E 5 2.8 ¶12072526
CSEM XI 06 11 41 08.9–.40 38.44N 37.12E 5 2.8
ISCJB XI 06 11 41 09.1–.60 38.42N–.05 37.06E–.06 10 2.8
DDA XI 06 11 41 10.2 38.38N 37.10E 14–1 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=8.6km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.2km az=174.7.
ISC XI 06 13 02 41.0–.54 39.99N–.03 33.52E–.04 0–7 31 1-2
ISCJB XI 06 13 02 40.9–.49 39.97N–.03 33.50E–.04 10 ¶12072532
CSEM XI 06 13 02 40.5–.20 39.97N 33.52E 5 2.8
DDA XI 06 13 02 40.6 39.96N 33.56E 7–2 2.8
ISK XI 06 13 02 40.2 39.96N 33.49E 7 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=137.3.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=127.0.
ISC XI 06 15 08 15.6–.55 39.39N–.02 33.20E–.03 0–5 62 0-3
ISCJB XI 06 15 08 15.9–.34 39.40N–.03 33.18E–.03 10 ¶12072543
CSEM XI 06 15 08 15.5–.13 39.39N 33.17E 2 3.2
DDA XI 06 15 08 15.0 39.35N 33.22E 8–3 3.2
ISK XI 06 15 08 15.2 39.41N 33.15E 4 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=139.6.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=138.0.
ISC XI 06 16 49 08.8–.52 37.02N–.04 35.62E–.05 25–5 31 0-3
ISK XI 06 16 49 07.8 37.05N 35.61E 26 2.9 ¶12072552
ISCJB XI 06 16 49 08.6–.53 37.02N–.04 35.62E–.05 29–6 2.9
CSEM XI 06 16 49 08.6–.24 37.00N 35.60E 24–3 2.9
DDA XI 06 16 49 08.7 36.95N 35.57E 7–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.9km az=30.2.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=5.7km az=38.0.
ISC XI 06 17 08 29.7–.56 40.12N–.05 40.79E–.04 11–7 29 0-2
ISCJB XI 06 17 08 29.3–.60 40.12N–.05 40.79E–.04 6–8 ¶12072553
CSEM XI 06 17 08 29.5–.26 40.09N 40.75E 10 3.0
DDA XI 06 17 08 29.3 40.13N 40.82E 7–4 3.0
ISK XI 06 17 08 29.0 40.11N 40.75E 7 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.7km az=11.0.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=4.9km az=26.0.
ISK XI 06 18 23 22.1 37.65N 35.53E 16 2.3
CSEM XI 06 18 23 19.1–1.3 37.97N 35.41E 2 2.3 ¶12072556
DDA XI 06 18 23 24.3 37.53N 35.53E 5–2 2.7
CSEM Event type ke. Error ellipse: s-maj=32.7km s-min=16.4km az=145.0.
ISC XI 06 19 01 59.0–.35 39.81N–.02 26.52E–.02 3–3 130 0-3
CSEM XI 06 19 01 58.8–.11 39.81N 26.49E 2 3.2 ¶12072559
DDA XI 06 19 01 58.4 39.79N 26.60E 6–6 3.2
ISCJB XI 06 19 01 58.4–.39 39.81N–.02 26.52E–.02 2–3 3.2
ATH XI 06 19 01 58.8 39.77N 26.51E 27–2 3.3
ISK XI 06 19 01 58.7 39.85N 26.56E 3 3.2
THE XI 06 19 01 59.2 39.80N 26.44E 0–2 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=102.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=18.8.
ATH Error ellipse: s-maj=1.2km s-min=2.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=80.0.
ISC XI 06 20 28 32.2–.60 38.84N–.04 31.60E–.05 10–8 24 0-1
ISK XI 06 20 28 30.6 39.06N 32.10E 14 2.4 ¶12072573
ISCJB XI 06 20 28 31.9–.61 38.84N–.04 31.59E–.04 5–9 2.4
CSEM XI 06 20 28 31.9–.28 38.84N 31.62E 10 2.4
DDA XI 06 20 28 31.6 38.83N 31.58E 7–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.2km az=29.9.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.0km az=34.0.
ISK XI 06 20 50 30.5 37.42N 37.17E 5 2.3
CSEM XI 06 20 50 30.0–.57 37.25N 36.84E 10 2.3 ¶12072577
DDA XI 06 20 50 30.3 37.23N 36.85E 7–7 3.1
CSEM Event type ke. Error ellipse: s-maj=14.8km s-min=9.0km az=57.0.
ISC XI 06 22 40 10.6–.66 39.34N–.03 33.18E–.04 4–6 39 0-2
ISCJB XI 06 22 40 10.1–1.1 39.34N–.03 33.19E–.04 1–8 ¶12072585
CSEM XI 06 22 40 10.3–.16 39.37N 33.16E 5 3.1
DDA XI 06 22 40 10.0 39.35N 33.22E 8–2 3.1
ISK XI 06 22 40 10.4 39.40N 33.14E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.7km az=136.6.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=136.0.
ISC XI 07 00 29 13.9–.68 37.92N–.03 28.81E–.09 17–9 22 0-1
CSEM XI 07 00 29 12.9–.34 37.91N 28.90E 20 2.8 ¶14011341
ISCJB XI 07 00 29 13.9–.66 37.92N–.03 28.79E–.06 7–10 2.8
DDA XI 07 00 29 13.6 37.93N 28.83E 7–2 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=6.0km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.3km az=162.5.
ISC XI 07 00 58 32.7–.85 39.55N–.05 32.62E–.07 11–10 18 0-1
ISCJB XI 07 00 58 32.1–.84 39.54N–.05 32.61E–.07 6–12 ¶14011344
CSEM XI 07 00 58 32.4–.19 39.55N 32.63E 8 2.8
DDA XI 07 00 58 32.7 39.63N 32.62E 5–0 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.6km az=37.3.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.1km az=132.0.
DDA XI 07 03 49 49.0 37.50N 35.92E 7–6 2.9
CSEM XI 07 03 49 47.9–.46 37.79N 35.82E 2 2.4 ¶12072619
ISK XI 07 03 49 49.1 37.41N 35.93E 23 2.4
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=6.9km az=155.0.
ISC XI 07 04 08 43.2–.49 38.64N–.03 39.66E–.03 4–4 64 0-3
ISK XI 07 04 08 41.7 38.65N 39.64E 5 3.4,3.2L ¶12072621
ISCJB XI 07 04 08 42.6–.60 38.64N–.03 39.67E–.03 2–5 3.4,3.2L
DDA XI 07 04 08 42.5 38.64N 39.65E 21–2 3.5,3.2L
CSEM XI 07 04 08 43.0–.16 38.65N 39.62E 2 3.4,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=28.3.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.7km az=128.0.
ISC XI 07 05 23 05.8–.75 38.67N–.04 39.70E–.04 5–7 32 0-2
ISCJB XI 07 05 23 05.3–.82 38.67N–.04 39.69E–.04 0–7 ¶12072625
CSEM XI 07 05 23 05.1–.32 38.67N 39.71E 5 2.5
DDA XI 07 05 23 05.7 38.61N 39.65E 7–5 3.1
ISK XI 07 05 23 05.0 38.66N 39.68E 13 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.4km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.2km az=139.0.
ISC XI 07 06 22 13.7–.51 39.44N–.02 26.18E–.04 5–4 70 0-2
ISCJB XI 07 06 22 13.4–.57 39.45N–.02 26.19E–.04 3–4 ¶12072631
CSEM XI 07 06 22 13.3–.16 39.45N 26.16E 2 3.1
DDA XI 07 06 22 13.3 39.44N 26.18E 7–5 3.3
ATH XI 07 06 22 13.5 39.45N 26.23E 14–0 3.1
ISK XI 07 06 22 14.0 39.50N 26.23E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.0km az=161.1.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.4km az=75.0.
ATH Error ellipse: s-maj=0.4km s-min=1.0km az=-1.0.
ISC XI 07 07 09 23.7–.57 37.18N–.04 28.18E–.04 10 26 0-1
ISK XI 07 07 09 20.2 37.40N 28.28E 5 2.3 ¶12072633
ISCJB XI 07 07 09 23.2–.57 37.19N–.04 28.19E–.04 10 2.3
CSEM XI 07 07 09 23.6–.26 37.19N 28.19E 5 2.8
DDA XI 07 07 09 23.5 37.22N 28.20E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.9km az=27.6.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=26.0.
ISC XI 07 10 23 13.9–.41 37.97N–.02 28.97E–.04 10–7 45 0-2
ISCJB XI 07 10 23 13.3–.41 37.97N–.02 28.96E–.04 6–7 ¶12072661
CSEM XI 07 10 23 13.8–.19 37.98N 28.96E 2 2.7
DDA XI 07 10 23 13.3 37.96N 28.95E 12–2 2.8
ISK XI 07 10 23 14.8 37.89N 28.94E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=178.6.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=89.0.
ISC XI 07 10 41 25.8–.56 39.93N–.04 38.47E–.04 14–7 26 0-1
ISCJB XI 07 10 41 25.5–.62 39.93N–.04 38.49E–.04 10–8 ¶12072664
CSEM XI 07 10 41 25.4–.13 39.92N 38.46E 12 2.9
DDA XI 07 10 41 25.8 39.91N 38.41E 7–1 2.9
ISK XI 07 10 41 25.7 39.93N 38.52E 11 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.3km az=30.7.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.7km az=26.0.
ISC XI 07 11 47 46.6–.77 39.41N–.05 28.12E–.06 13–8 26 0-2
ISCJB XI 07 11 47 46.0–.78 39.37N–.06 28.13E–.06 4–8 ¶12072676
ISK XI 07 11 47 45.4 39.38N 28.15E 9 2.5
CSEM XI 07 11 47 46.2–.31 39.40N 28.13E 10 2.9
DDA XI 07 11 47 47.9 39.73N 28.19E 7–7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.2km az=27.7.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.6km az=42.0.
ISC XI 07 12 45 22.9–.49 39.22N–.03 28.04E–.04 8–7 35 0-2
ISCJB XI 07 12 45 22.5–.50 39.23N–.03 28.04E–.04 4–7 ¶12072679
CSEM XI 07 12 45 22.6–.13 39.22N 28.03E 15 2.8
ISK XI 07 12 45 22.0 39.21N 27.97E 15 2.7
DDA XI 07 12 45 22.0 39.21N 28.04E 19–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=178.7.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=74.0.
ISC XI 07 13 01 39.9–.61 37.45N–.05 28.02E–.07 30–7 25 0-1
ISCJB XI 07 13 01 40.0–1.1 37.45N–.05 28.03E–.05 28–12 ¶12072681
CSEM XI 07 13 01 39.8–.35 37.44N 28.06E 23–5 2.7
DDA XI 07 13 01 40.4 37.42N 28.09E 7–2 2.7
ISK XI 07 13 01 41.2 37.32N 28.05E 21 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=6.9km az=171.3.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=5.7km az=4.0.
ISC XI 07 22 40 41.5–.63 39.29N–.03 33.20E–.04 8–6 38 0-3
ISK XI 07 22 40 39.7 39.29N 33.29E 6 3.0 ¶12072760
ISCJB XI 07 22 40 40.7–.74 39.27N–.03 33.20E–.04 3–7 3.0
CSEM XI 07 22 40 40.9–.23 39.28N 33.20E 8 3.0
DDA XI 07 22 40 42.0 39.33N 33.23E 7–3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=5.1km az=137.2.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.6km az=37.0.
ISC XI 08 00 03 02.5–.35 40.24N–.02 36.38E–.03 10 66 0-3
ISCJB XI 08 00 03 01.9–.35 40.24N–.02 36.36E–.03 10 ¶12072771
DDA XI 08 00 03 01.1 40.23N 36.36E 9–1 3.0
ISK XI 08 00 03 01.3 40.24N 36.37E 5 3.2
CSEM XI 08 00 03 02.0–.17 40.25N 36.36E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=144.4.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=164.0.
ISC XI 08 00 12 29.8–.44 38.29N–.02 39.39E–.03 2–5 66 0-4
ISCJB XI 08 00 12 28.9–.47 38.27N–.02 39.41E–.03 1–5 ¶12072772
CSEM XI 08 00 12 29.5–.15 38.29N 39.36E 2 3.1
DDA XI 08 00 12 29.0 38.27N 39.36E 7–3 3.3
ISK XI 08 00 12 29.0 38.29N 39.38E 6 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=1.6.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=140.0.
ISC XI 08 03 46 35.0–.65 38.31N–.04 39.36E–.05 7–9 24 0-2
ISCJB XI 08 03 46 34.2–.65 38.30N–.04 39.37E–.05 7–11 ¶12072783
CSEM XI 08 03 46 34.1–.41 38.32N 39.38E 10 2.6
DDA XI 08 03 46 34.4 38.29N 39.34E 7–4 2.9
ISK XI 08 03 46 34.1 38.31N 39.36E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.9km az=152.3.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=4.6km az=106.0.
ISC XI 08 05 33 41.4–.53 38.30N–.03 39.33E–.03 3–5 58 0-4
ISCJB XI 08 05 33 40.9–.55 38.28N–.03 39.31E–.03 3–5 ¶12072788
DDA XI 08 05 33 40.7 38.31N 39.33E 7–4 3.4
ISK XI 08 05 33 40.5 38.29N 39.31E 6 3.3
CSEM XI 08 05 33 41.1–.24 38.31N 39.31E 2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=4.4.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.9km az=173.0.
ISK XI 08 10 03 48.0 37.77N 35.80E 9 2.5
CSEM XI 08 10 03 48.0 37.77N 35.80E 9 2.5 ¶12072803
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISK XI 08 10 16 02.8 37.27N 28.29E 20 2.4
CSEM XI 08 10 16 02.8 37.27N 28.29E 20 2.4 ¶12072806
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC XI 08 19 10 04.6–.52 38.45N–.03 39.35E–.04 7–5 34 0-2
CSEM XI 08 19 10 03.9–.20 38.46N 39.36E 10 2.5 ¶12072853
DDA XI 08 19 10 04.0 38.45N 39.38E 7–4 2.9
ISK XI 08 19 10 03.6 38.46N 39.37E 9 2.5
ISCJB XI 08 19 10 04.2–.56 38.46N–.03 39.37E–.04 4–5 2.5
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XI 08 19 11 19.8–.40 38.45N–.02 39.35E–.03 8–3 61 0-4
ISK XI 08 19 11 18.8 38.46N 39.31E 10 3.2 ¶12072854
ISCJB XI 08 19 11 19.2–.45 38.44N–.02 39.36E–.03 7–4 3.2
CSEM XI 08 19 11 19.4–.15 38.45N 39.32E 8 3.2
DDA XI 08 19 11 19.2 38.43N 39.36E 7–5 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=4.1km az=38.5.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=137.0.
ISC XI 08 19 55 38.9–.66 36.81N–.04 29.28E–.04 0–8 40 0-3

CSEM XI 08 19 55 38.8–.19 36.81N 29.30E 2 2.7 ¶12072857
DDA XI 08 19 55 38.5 36.82N 29.31E 7–6 3.0
ISK XI 08 19 55 38.5 36.82N 29.29E 5 2.7
ISCJB XI 08 19 55 39.4–.50 36.84N–.03 29.30E–.04 10 2.7
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XI 08 23 11 45.0–.53 36.80N–.03 29.30E–.04 4–5 55 0-3
ISK XI 08 23 11 43.8 36.81N 29.29E 2 2.8 ¶12072881
ISCJB XI 08 23 11 44.5–.55 36.80N–.03 29.31E–.04 1–6 2.8
CSEM XI 08 23 11 44.6–.14 36.80N 29.30E 2 2.8
DDA XI 08 23 11 44.9 36.83N 29.26E 7–7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=42.9.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=158.0.
ISC XI 09 01 09 38.6–.83 37.42N–.05 38.62E–.04 7–8 26 0-1
ISK XI 09 01 09 37.5 37.49N 38.61E 4 2.2 ¶12072899
ISCJB XI 09 01 09 38.4–.85 37.42N–.06 38.64E–.04 10 2.2
CSEM XI 09 01 09 38.0–.37 37.41N 38.62E 5 2.7
DDA XI 09 01 09 41.0 37.51N 38.44E 4–5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.1km az=162.2.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.8km az=165.0.
ISC XI 09 01 19 15.1–.60 38.98N–.03 30.16E–.03 11–8 36 0-1
ISCJB XI 09 01 19 14.8–.50 38.98N–.03 30.18E–.03 9–4 ¶12072901
CSEM XI 09 01 19 14.7–.24 38.98N 30.17E 10 2.1
DDA XI 09 01 19 14.0 38.99N 30.16E 7–4 2.7
ISK XI 09 01 19 14.4 38.98N 30.20E 12 2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=172.9.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=160.0.
ISC XI 09 02 22 03.1–.40 39.00N–.03 30.15E–.03 7–4 60 0-2
ISCJB XI 09 02 22 02.8–.45 38.99N–.03 30.17E–.03 6–4 ¶12072910
DDA XI 09 02 22 02.2 39.01N 30.17E 7–6 3.0
CSEM XI 09 02 22 03.0–.13 39.00N 30.16E 5 2.5
ISK XI 09 02 22 03.0 38.99N 30.16E 9 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=0.8.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=170.0.
ISK XI 09 02 54 03.5 36.81N 29.27E 15 2.2
CSEM XI 09 02 54 03.5 36.81N 29.27E 15 2.2 ¶12072912
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC XI 09 03 18 33.2–.55 36.80N–.04 29.30E–.05 12–5 42 0-2
ISCJB XI 09 03 18 32.9–.57 36.80N–.04 29.29E–.05 5–6 ¶12072915
CSEM XI 09 03 18 32.8–.26 36.80N 29.29E 15 2.6
ISK XI 09 03 18 32.5 36.84N 29.25E 16 2.6
DDA XI 09 03 18 34.4 36.89N 29.32E 7–8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.8km az=41.6.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.4km az=154.0.
ISC XI 09 03 19 33.5–.52 36.82N–.03 29.28E–.03 3–8 44 0-2
ISK XI 09 03 19 32.4 36.81N 29.28E 5 2.6 ¶12072916
ISCJB XI 09 03 19 33.4–.45 36.82N–.03 29.29E–.03 10 2.6
CSEM XI 09 03 19 33.0–.20 36.80N 29.29E 2 2.6
DDA XI 09 03 19 33.7 36.86N 29.31E 7–6 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.8km az=146.1.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=164.0.
ISC XI 09 04 35 26.1–.57 36.83N–.03 29.29E–.05 5–10 31 0-2
ISK XI 09 04 35 24.4 36.79N 29.34E 2 2.6 ¶12072920
ISCJB XI 09 04 35 25.7–.58 36.83N–.03 29.30E–.05 2–12 2.6
CSEM XI 09 04 35 25.6–.25 36.80N 29.32E 2 2.6
DDA XI 09 04 35 25.7 36.84N 29.29E 11–6 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.6km az=35.4.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=145.0.
ISC XI 09 06 40 33.1–.68 36.93N–.03 29.20E–.04 2–16 28 0-1
DDA XI 09 06 40 31.8 36.91N 29.19E 7–5 2.8 ¶12072927
ISK XI 09 06 40 31.5 36.92N 29.22E 5 2.3
ISCJB XI 09 06 40 32.7–.69 36.91N–.04 29.22E–.05 10 2.3
CSEM XI 09 06 40 32.6–.37 36.94N 29.20E 2 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=43.9.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.6km az=134.0.
ISC XI 09 10 51 09.8–.33 40.47N–.02 29.13E–.03 8–3 80 0-2
ISCJB XI 09 10 51 09.5–.34 40.48N–.03 29.13E–.03 7–3 ¶12072941
ISK XI 09 10 51 09.2 40.47N 29.13E 9 2.7
CSEM XI 09 10 51 09.6–.08 40.47N 29.12E 5 2.7
DDA XI 09 10 51 09.4 40.40N 29.13E 4–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=10.2.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=174.0.
ISC XI 09 13 11 12.3–1.1 36.94N–.06 29.42E–.07 11–6 30 0-2
ISK XI 09 13 11 09.9 36.89N 29.38E 18 2.4 ¶12072953
ISCJB XI 09 13 11 10.6–1.4 36.88N–.06 29.37E–.07 4–8 2.4
CSEM XI 09 13 11 12.9–.63 37.02N 29.47E 15 2.4
DDA XI 09 13 11 13.5 36.99N 29.29E 7–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=9.1km az=21.8.
CSEM Event type ke. Error ellipse: s-maj=14.5km s-min=10.9km az=14.0.
ISC XI 09 14 12 34.0–1.6 37.17N–.06 38.84E–.06 10–9 26 1-2
ISCJB XI 09 14 12 32.8–1.5 37.19N–.05 38.84E–.05 1–10 ¶12072958
CSEM XI 09 14 12 32.1–.59 37.10N 38.89E 5 3.0
ISK XI 09 14 12 32.0 37.17N 38.80E 5 3.0
DDA XI 09 14 12 34.1 37.25N 38.93E 7–4 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.3km az=159.7.
CSEM Event type ke. Error ellipse: s-maj=13.6km s-min=6.5km az=138.0.
ISC XI 09 14 47 19.3–.67 37.35N–.05 28.17E–.06 13–8 22 0-1
ISK XI 09 14 47 18.2 37.39N 28.17E 5 2.6 ¶12072962
ISCJB XI 09 14 47 19.3–.70 37.34N–.05 28.16E–.06 16–14 2.6
CSEM XI 09 14 47 19.0–.22 37.35N 28.18E 12 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=37.5.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.8km az=166.0.
ISC XI 09 15 21 52.2–.46 38.86N–.03 27.66E–.03 10–5 42 0-2
ISCJB XI 09 15 21 51.8–.56 38.86N–.03 27.66E–.03 5–5 ¶12072966
CSEM XI 09 15 21 51.9–.14 38.85N 27.66E 10 2.9
DDA XI 09 15 21 51.3 38.85N 27.68E 7–4 2.7
ISK XI 09 15 21 51.1 38.88N 27.64E 4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=142.4.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=124.0.
ISC XI 09 17 57 13.1–.67 36.85N–.03 29.31E–.05 10 26 0-1
ISK XI 09 17 57 11.9 36.88N 29.32E 5 2.3 ¶12072980
ISCJB XI 09 17 57 12.5–.68 36.85N–.03 29.30E–.05 10 2.3
CSEM XI 09 17 57 12.4–.34 36.84N 29.37E 10 2.3
DDA XI 09 17 57 12.1 36.85N 29.33E 7–6 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=164.8.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=6.3km az=78.0.
ISC XI 09 18 22 11.4–.86 37.44N–.05 38.95E–.05 11–4 31 0-8
ISK XI 09 18 22 10.5 37.49N 38.93E 11 2.6 ¶12072983
ISCJB XI 09 18 22 11.1–.98 37.45N–.06 38.95E–.05 6–5 2.6
CSEM XI 09 18 22 11.2–.36 37.47N 38.91E 8 2.6
DDA XI 09 18 22 11.2 37.47N 38.94E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.8km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=4.9km az=145.0.
ISC XI 10 00 00 14.0–.82 39.37N–.05 33.18E–.04 9–8 35 0-2
ISCJB XI 10 00 00 13.8–.91 39.36N–.04 33.17E–.04 7–8 ¶12073009
DDA XI 10 00 00 13.3 39.34N 33.21E 7–2 3.0
CSEM XI 10 00 00 13.5–.12 39.37N 33.17E 8 2.8
ISK XI 10 00 00 13.6 39.39N 33.15E 13 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.1km az=148.8.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=122.0.
ISC XI 10 02 23 16.7–.40 37.02N–.02 29.14E–.03 4–4 91 0-3
DDA XI 10 02 23 15.8 37.00N 29.17E 7–5 3.1 ¶12073020
ISK XI 10 02 23 15.4 37.00N 29.13E 3 2.8
ISCJB XI 10 02 23 16.0–.45 37.01N–.02 29.12E–.03 1–5 2.8
CSEM XI 10 02 23 16.1–.14 37.01N 29.14E 2 2.8
ATH XI 10 02 23 18.9 37.08N 28.91E 17–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=42.1.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=2.0.
ATH Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0.
ISC XI 10 12 55 09.4–.59 37.00N–.03 29.12E–.05 8–6 44 0-5
ISCJB XI 10 12 55 08.6–.60 36.98N–.03 29.10E–.06 5–7 ¶14011442
CSEM XI 10 12 55 08.4 36.96N 29.09E 7 3.2
DDA XI 10 12 55 08.4 36.96N 29.09E 7–5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.8km az=14.4.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC XI 10 14 28 57.1–.43 38.84N–.02 27.20E–.03 7–5 52 0-2
ISCJB XI 10 14 28 56.4–.52 38.84N–.02 27.18E–.03 1–5 ¶13399759
CSEM XI 10 14 28 56.4–.17 38.83N 27.15E 10 3.1
DDA XI 10 14 28 56.1 38.85N 27.18E 18–1 3.3L
ATH XI 10 14 28 56.4 38.83N 27.23E 21–5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=42.7.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=155.0.
ATH Error ellipse: s-maj=2.4km s-min=4.6km az=-1.0.
ISC XI 10 15 04 32.7–.38 38.90N–.02 35.53E–.02 4–5 91 1-3
ISCJB XI 10 15 04 32.1–.29 38.91N–.02 35.54E–.02 10 ¶12073077
ISK XI 10 15 04 32.3 38.88N 35.64E 5 3.3
CSEM XI 10 15 04 33.8–.17 38.86N 35.60E 2 3.5
DDA XI 10 15 04 33.1 38.88N 35.53E 12–2 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=21.3.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=30.0.
ISC XI 10 15 06 42.0–.45 39.38N–.02 40.84E–.04 6–5 52 0-3
ISK XI 10 15 06 40.9 39.38N 40.87E 3 3.2 ¶12073078
ISCJB XI 10 15 06 41.1–.47 39.39N–.02 40.86E–.04 2–6 3.2
CSEM XI 10 15 06 41.5–.23 39.37N 40.84E 2 3.2
DDA XI 10 15 06 41.3 39.38N 40.86E 11–5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=13.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.3km az=131.0.
ISC XI 10 18 17 32.0–.24 38.88N–.02 35.52E–.02 10 124 1-4
DDA XI 10 18 17 29.2 38.88N 35.54E 5–1 3.6 ¶12073089
ISK XI 10 18 17 29.2 38.89N 35.56E 5 3.8L
ISCJB XI 10 18 17 31.1–.24 38.88N–.02 35.52E–.02 10 3.8L
CSEM XI 10 18 17 31.1–.12 38.87N 35.53E 2 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=27.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=22.0.
ISC XI 10 23 19 48.5–.58 38.85N–.03 35.58E–.03 1–6 56 1-3
ISK XI 10 23 19 47.0 38.87N 35.59E 5 3.2 ¶12073118
ISCJB XI 10 23 19 48.7–.38 38.89N–.03 35.58E–.03 10 3.2
DDA XI 10 23 19 48.1 38.89N 35.53E 5–1 3.1
CSEM XI 10 23 19 48.8–.19 38.84N 35.52E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=136.3.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=50.0.
ISC XI 10 23 47 43.6–.51 38.97N–.03 29.90E–.03 3–9 38 0-1
ISK XI 10 23 47 41.8 39.02N 29.96E 24 2.3 ¶12073123
ISCJB XI 10 23 47 43.1–.47 38.96N–.03 29.92E–.03 10 2.3
CSEM XI 10 23 47 43.0–.19 38.97N 29.91E 10 2.3
DDA XI 10 23 47 43.0 38.98N 29.89E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=161.8.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=160.0.
ISC XI 11 00 43 48.9–.57 36.91N–.03 29.31E–.05 10 25 0-1
ISK XI 11 00 43 46.8 36.94N 29.22E 13 2.2 ¶12073125
ISCJB XI 11 00 43 48.5–.58 36.90N–.03 29.32E–.05 10 2.2
CSEM XI 11 00 43 48.6–.32 36.91N 29.30E 2 2.6
DDA XI 11 00 43 49.0 36.89N 29.26E 7–5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.4km az=11.4.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=6.1km az=95.0.
ISC XI 11 11 34 57.5–.56 39.40N–.03 43.86E–.04 3–6 45 0-3
ISCJB XI 11 11 34 56.4–.57 39.40N–.02 43.89E–.05 0–6 ¶12073168
DDA XI 11 11 34 56.7 39.39N 43.84E 2–1 3.4
CSEM XI 11 11 34 57.2–.28 39.39N 43.83E 5 3.4
ISK XI 11 11 34 57.5 39.39N 43.83E 11 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=10.1.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.7km az=91.0.
ISC XI 11 12 21 26.3–.51 38.86N–.04 35.85E–.04 4–4 40 0-2
ISCJB XI 11 12 21 25.8–.59 38.88N–.03 35.85E–.04 2–4 ¶12073171
CSEM XI 11 12 21 25.6–.27 38.83N 35.84E 2 2.8
DDA XI 11 12 21 25.5 38.84N 35.79E 10–2 3.0,2.8L
ISK XI 11 12 21 25.2 38.82N 35.83E 5 2.8,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.8km az=43.4.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.8km az=42.0.
ISC XI 12 00 16 13.7–.54 39.09N–.03 40.38E–.03 2–8 29 0-1
DDA XI 12 00 16 12.8 39.12N 40.39E 7–6 2.8 ¶12073248
ISCJB XI 12 00 16 13.4–.64 39.10N–.03 40.38E–.03 4–6 2.8
CSEM XI 12 00 16 13.4–.25 39.08N 40.38E 2 2.7
ISK XI 12 00 16 13.4 39.05N 40.35E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.1km az=13.3.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=158.0.
ISC XI 12 00 29 42.2–.95 41.13N–.09 39.82E–.06 24–8 28 0-2
ISCJB XI 12 00 29 41.9–.97 41.14N–.09 39.83E–.07 24–9 ¶12073249
DDA XI 12 00 29 41.9 41.60N 40.18E 7–3 2.7
CSEM XI 12 00 29 42.4–.15 41.06N 39.78E 26–1 2.8
ISK XI 12 00 29 42.4 41.05N 39.76E 26 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.6km s-min=8.2km az=177.5.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=175.0.
ISK XI 12 01 48 50.5 40.43N 28.99E 5 2.3
DDA XI 12 01 48 51.0 40.38N 28.97E 7–4 2.7 ¶12073256
CSEM XI 12 01 48 51.4–.13 40.41N 28.99E 2 2.3
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=161.0.
ISC XI 12 03 29 47.8–.43 40.21N–.03 31.80E–.03 1–4 90 1-3
ISK XI 12 03 29 46.7 40.19N 31.78E 5 3.4 ¶12073262
ISCJB XI 12 03 29 47.5–.31 40.19N–.02 31.82E–.03 10 3.4
CSEM XI 12 03 29 48.0–.13 40.20N 31.77E 2 3.4
DDA XI 12 03 29 48.6 40.22N 31.67E 4–0 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=18.5.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=21.0.
ISC XI 12 03 43 23.1–.52 36.42N–.02 35.60E–.04 9–5 69 0-3
ISCJB XI 12 03 43 22.2–.55 36.42N–.02 35.59E–.04 3–7 ¶12073263
CSEM XI 12 03 43 22.8–.22 36.41N 35.57E 5 3.4
DDA XI 12 03 43 22.6 36.43N 35.60E 24–2 3.4
ISK XI 12 03 43 22.5 36.41N 35.60E 9 3.3
NSSC XI 12 03 43 23 36.46N 35.68E 15–4 3.3
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.0km az=156.6.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.1km az=66.0.
NSSC Event type se.
ISC XI 12 05 41 33.0–.39 39.14N–.03 29.43E–.03 6–4 64 0-2
ISCJB XI 12 05 41 32.5–.49 39.14N–.04 29.42E–.03 3–5 ¶12073271
CSEM XI 12 05 41 32.7–.11 39.14N 29.44E 5 3.1
DDA XI 12 05 41 32.3 39.13N 29.40E 8–2 2.9
ISK XI 12 05 41 32.4 39.13N 29.43E 6 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.4km az=1.8.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=9.0.
ISC XI 12 07 00 33.1–.48 36.99N–.02 29.11E–.04 0–6 57 0-3
ISK XI 12 07 00 31.5 36.96N 29.09E 5 3.1 ¶12073275
ISCJB XI 12 07 00 32.9–.38 36.99N–.02 29.15E–.03 10 3.1
CSEM XI 12 07 00 32.5–.19 36.96N 29.11E 2 3.1
DDA XI 12 07 00 32.4 36.96N 29.18E 7–3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=12.8.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=4.1km az=48.0.
ISC XI 12 11 57 35.6–.44 40.79N–.02 31.91E–.02 2–3 3.8b 269 1-75
DDA XI 12 11 57 33.8 40.89N 31.90E 16–1 3.8L,3.6 ¶12073295
ISCJB XI 12 11 57 34.3–.46 40.81N–.02 31.90E–.02 1–3 3.8b,3.6
NEIC XI 12 11 57 34.0 40.79N 31.92E 7 4.0L,3.6
ISK XI 12 11 57 34.7 40.78N 31.92E 6 4.1L,3.6
CSEM XI 12 11 57 35.5–.09 40.76N 31.91E 2 3.9b,3.6
IDC XI 12 11 57 35.2–.95 40.70N 31.66E 0 3.8,3.8L
MOS XI 12 11 57 36.3–1.9 40.89N 31.75E 10 3.9b,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=4.2.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=177.0.
IDC Error ellipse: s-maj=21.0km s-min=12.6km az=44.0.
MOS Error ellipse: s-maj=8.8km s-min=4.6km az=100.3.
ISC XI 12 12 38 32.3–.60 40.15N–.05 40.96E–.04 10–6 28 0-2
ISCJB XI 12 12 38 31.7–.69 40.14N–.05 40.93E–.04 4–7 ¶12073300
CSEM XI 12 12 38 31.7–.28 40.14N 40.92E 8 2.8
ISK XI 12 12 38 31.0 40.22N 40.99E 12 2.8
DDA XI 12 12 38 32.8 40.11N 41.04E 7–3 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.7km az=7.7.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=6.1km az=10.0.
ISC XI 12 14 03 17.4–.42 38.89N–.01 35.53E–.01 2–3 4.7b,4.5s 762 0-147
ISCJB XI 12 14 03 15.9–.38 38.91N–.01 35.52E–.01 2–2 4.7b,4.5s ¶13399910
DDA XI 12 14 03 15.6 38.86N 35.54E 10–1 4.8L,4.5s
ISK XI 12 14 03 15.0 38.83N 35.56E 5 4.9L,4.5s
TEH XI 12 14 03 16.7 38.84N 35.54E 5 4.9L,4.5s
CSEM XI 12 14 03 16.7–.09 38.85N 35.57E 2 5.0b,4.6W
IDC XI 12 14 03 16.1–.55 38.70N 35.53E 0 4.4s,4.4
MOS XI 12 14 03 17.3–1.3 38.95N 35.52E 11 4.8b,4.2s
NEIC XI 12 14 03 18.3–.31 38.84N 35.52E 10 4.9L,4.8b
NIC XI 12 14 03 18.4–.20 39.08N 35.54E 36 5.0b,4.8L
BJI XI 12 14 03 20.4 38.90N 35.50E 33 5.0s,5.0b
GCMT XI 12 14 03 21.2–.20 38.92N 35.46E 17–1 5.1W,5.0b
SZGRF XI 12 14 03 24.5 39.14N 35.43E 33 4.4b,5.0b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.7km az=13.4.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=22.0.
IDC Error ellipse: s-maj=12.7km s-min=8.4km az=11.0.
MOS Error ellipse: s-maj=5.7km s-min=3.4km az=113.3.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.4km az=177.0. Felt at Kayseri.
NIC Central Turkey 8 km. E. Erkilet. Moment Tensor Solution. $M_0$1.20000×10^{15}
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c44; s84,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.15±.15 $M_{\theta\theta}$-4.38±.12; $M_{\phi\phi}$5.53±.14; $M_{r\theta}$1.61±.33; $M_{\theta\phi}$0.65±.09; $M_{\phi r}$-0.69±.30; Best double couple: NP1:ϕ_s227.00000°,δ70.00000°,λ-13.00000°. NP2:ϕ_s321.00000°,δ78.00000°,λ-160.00000°. Principal axes: T 5.6200,Plg5.0000° ,Azm93.0000°; N -0.5100,Plg67.0000°,Azm351.0000°; P -5.1100,Plg23.0000° ,Azm185.0000° $M_0$5.40000×10^{16}
SZGRF Turkey.
ISC XI 12 14 25 44.9–.19 40.75N–.02 31.95E–.02 10 3.7b 251 0-52
ISK XI 12 14 25 42.8 40.77N 31.94E 5 3.8L ¶12073307
ISCJB XI 12 14 25 43.9–.20 40.80N–.02 31.95E–.02 10 3.7b
DDA XI 12 14 25 43.2 40.79N 31.92E 20–1 3.6
IDC XI 12 14 25 44.5–1.1 40.66N 31.70E 0 3.7,3.7
CSEM XI 12 14 25 44.3–.11 40.74N 31.92E 2 3.6,3.7
NEIC XI 12 14 25 45.4–2.1 40.66N 31.87E 6–16 3.7L,3.7
MOS XI 12 14 25 45.8–1.4 40.92N 31.77E 10 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=174.9.
IDC Error ellipse: s-maj=21.1km s-min=9.5km az=40.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=175.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.6km az=200.0.
MOS Error ellipse: s-maj=11.3km s-min=6.6km az=97.3.
ISC XI 12 14 36 56.6–1.4 41.63N–.06 34.98E–.08 15–12 35 0-3
ISCJB XI 12 14 36 57.0–1.2 41.58N–.05 34.91E–.07 10 ¶12073308
DDA XI 12 14 36 58.0 41.55N 34.90E 7–2 3.0
CSEM XI 12 14 36 58.6–1.1 41.68N 34.86E 2 3.0
ISK XI 12 14 36 58.6 41.69N 34.90E 7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=4.3km az=137.8.
CSEM Event type ke. Error ellipse: s-maj=22.6km s-min=12.8km az=34.0.
ISC XI 12 14 54 34.6–.46 38.88N–.03 35.59E–.03 12–8 46 0-2
ISCJB XI 12 14 54 33.8–.46 38.89N–.03 35.60E–.03 6–9 ¶12073309
DDA XI 12 14 54 34.4 38.87N 35.58E 4–2 3.1
ISK XI 12 14 54 34.5 39.00N 35.83E 16 2.9
CSEM XI 12 14 54 35.6–.30 38.86N 35.58E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.5km az=23.6.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.6km az=21.0.
ISC XI 12 15 56 27.7–.64 38.82N–.04 35.55E–.03 2–7 51 0-2
ISK XI 12 15 56 26.2 38.86N 35.60E 2 2.9 ¶12073313
ISCJB XI 12 15 56 27.6–.42 38.86N–.03 35.59E–.03 10 2.9
CSEM XI 12 15 56 27.1–.33 38.85N 35.59E 2 2.9
DDA XI 12 15 56 28.4 38.87N 35.54E 5–2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=24.6.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=6.5km az=21.0.
ISC XI 12 18 24 34.6–.46 38.89N–.04 35.69E–.04 10 37 0-2
ISK XI 12 18 24 33.9 38.90N 35.68E 4 2.9 ¶12073329
ISCJB XI 12 18 24 34.0–.46 38.92N–.04 35.68E–.04 10 2.9
CSEM XI 12 18 24 34.3–.22 38.87N 35.66E 2 2.9
DDA XI 12 18 24 34.8 38.86N 35.56E 5–6 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=22.6.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.7km az=16.0.
ISC XI 12 19 10 53.3–.46 40.82N–.02 31.96E–.02 1–3 3.4b 212 1-38
IDC XI 12 19 10 52.7–1.1 40.71N 31.78E 0 3.3b,3.3 ¶12073336
ISK XI 12 19 10 52.3 40.78N 31.94E 2 3.5L,3.3
ISCJB XI 12 19 10 52.8–.53 40.86N–.02 31.93E–.02 5–4 3.4b,3.3
MOS XI 12 19 10 52.9–.48 40.86N 31.99E 10 4.2b,3.3
NEIC XI 12 19 10 52.0 40.78N 31.94E 5 3.4L,3.3
CSEM XI 12 19 10 53.2–.10 40.78N 31.96E 2 3.5L,3.3
DDA XI 12 19 10 54.0 40.84N 31.90E 11–6 3.3,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=11.6km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=161.2.
MOS Error ellipse: s-maj=18.7km s-min=7.5km az=108.3.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=172.0.
ISC XI 12 19 42 12.6–.29 38.86N–.03 35.60E–.03 10 85 0-4
DDA XI 12 19 42 10.5 38.93N 35.55E 7–2 3.4 ¶12073340
ISK XI 12 19 42 10.1 38.86N 35.63E 5 3.5
ISCJB XI 12 19 42 11.8–.29 38.86N–.03 35.61E–.03 10 3.5
CSEM XI 12 19 42 11.6–.12 38.85N 35.60E 2 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=12.5.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=9.0.
ISC XI 12 20 40 35.1–.60 38.88N–.04 40.37E–.04 11–6 22 0-1
ISCJB XI 12 20 40 34.7–.61 38.90N–.05 40.35E–.04 11–5 ¶12073345
ISK XI 12 20 40 34.8 38.88N 40.34E 6 2.6
CSEM XI 12 20 40 35.1–.29 38.87N 40.33E 2 2.6
DDA XI 12 20 40 35.1 38.82N 40.41E 7–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.8km az=171.8.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=5.1km az=158.0.
ISK XI 12 23 25 52.9 37.89N 29.15E 24 2.8
DDA XI 12 23 25 51.8 37.88N 29.25E 7–3 2.8 ¶12073358
CSEM XI 12 23 25 52.7–.22 37.87N 29.20E 15 2.7
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.5km az=93.0.
ISC XI 13 01 07 48.2–.31 38.85N–.01 27.19E–.02 9–2 218 0-8
DDA XI 13 01 07 46.9 38.85N 27.17E 26–0 3.5L ¶12073362
ISK XI 13 01 07 46.8 38.88N 27.13E 3 3.5
ATH XI 13 01 07 47.5 38.84N 27.21E 29–3 3.4
ISCJB XI 13 01 07 47.4–.33 38.85N–.02 27.16E–.02 8–3 3.4
CSEM XI 13 01 07 48.1–.09 38.84N 27.18E 10 3.5
THE XI 13 01 07 49.5 38.82N 27.10E 10–2 3.4L
SKO XI 13 01 08 06.3 39.76N 25.84E 0 3.4L
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=2.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=36.4.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=54.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=240.0.
ISC XI 13 02 52 44.3–.58 38.93N–.04 35.63E–.04 1–8 40 0-2
ISCJB XI 13 02 52 43.9–.44 38.95N–.04 35.66E–.04 10 ¶12073369
DDA XI 13 02 52 44.0 38.93N 35.59E 5–3 2.9
ISK XI 13 02 52 43.9 38.97N 35.74E 7 2.9
CSEM XI 13 02 52 44.1–.25 38.92N 35.66E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=26.2.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.2km az=19.0.
ISC XI 13 02 59 22.3–.48 40.79N–.03 31.95E–.03 4–4 117 1-7
DDA XI 13 02 59 21.0 40.80N 31.89E 5–5 3.1 ¶12073372
ISCJB XI 13 02 59 21.2–.51 40.83N–.03 31.93E–.02 1–5 3.1
CSEM XI 13 02 59 21.8–.11 40.77N 31.96E 2 3.2
ISK XI 13 02 59 21.5 40.79N 31.95E 6 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=160.4.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=170.0.
ISC XI 13 03 01 10.3–.47 40.78N–.02 31.96E–.02 2–4 131 1-8
ISCJB XI 13 03 01 09.6–.54 40.81N–.03 31.92E–.02 2–4 ¶12073373
DDA XI 13 03 01 09.2 40.85N 31.91E 20–3 3.3
ISK XI 13 03 01 09.1 40.77N 31.95E 5 3.2
CSEM XI 13 03 01 10.2–.11 40.76N 31.96E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=165.6.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=177.0.
ISC XI 13 05 09 00.1–.28 38.86N–.03 35.59E–.03 10 91 0-4
ISK XI 13 05 08 57.8 38.86N 35.61E 2 3.6L ¶12073380
ISCJB XI 13 05 08 59.3–.28 38.87N–.03 35.60E–.03 10 3.6L
CSEM XI 13 05 08 59.0–.11 38.86N 35.58E 2 3.6L
DDA XI 13 05 09 00.4 38.74N 35.46E 3–0 3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=25.8.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=17.0.
ISC XI 13 08 17 30.8–.59 37.01N–.05 28.53E–.04 28–5 35 0-1
ISK XI 13 08 17 29.2 36.89N 28.55E 8 2.7 ¶12073401
ISCJB XI 13 08 17 30.7–.62 37.00N–.05 28.53E–.04 29–5 2.7
CSEM XI 13 08 17 30.3–.25 36.98N 28.52E 20 3.1
DDA XI 13 08 17 30.2 36.98N 28.55E 7–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.8km az=11.7.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=179.0.
ISC XI 13 11 12 03.2–.47 39.66N–.03 29.47E–.04 5–5 55 1-2
ISCJB XI 13 11 12 02.9–.38 39.65N–.03 29.48E–.04 10 ¶12073412
CSEM XI 13 11 12 02.7–.14 39.64N 29.47E 1 2.7
ISK XI 13 11 12 02.7 39.66N 29.47E 7 2.7
ISCJB Error ellipse: s-maj=4.5km s-min=3.7km az=135.8.
CSEM Error ellipse: s-maj=3.3km s-min=2.9km az=26.0.
ISC XI 13 12 28 56.8–.59 37.24N–.05 28.27E–.05 11–7 29 0-1
ISK XI 13 12 28 54.9 37.34N 28.30E 5 2.6 ¶12073415
ISCJB XI 13 12 28 56.5–.60 37.25N–.05 28.28E–.05 5–9 2.6
CSEM XI 13 12 28 56.5–.18 37.23N 28.28E 10 2.6
DDA XI 13 12 28 56.8 37.25N 28.27E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.9km az=34.6.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=28.0.
ISC XI 14 05 53 46.6–.94 41.96N–.05 33.57E–.06 7–10 25 0-5
ISCJB XI 14 05 53 45.3–.93 41.99N–.05 33.54E–.06 8–10 ¶12073491
ISK XI 14 05 53 45.8 41.95N 33.57E 6 2.9
CSEM XI 14 05 53 46.7–.18 41.94N 33.58E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=7.0km az=154.1.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=35.0.
ISC XI 14 07 13 52.1–.47 39.43N–.04 33.10E–.04 10–4 45 0-2
ISK XI 14 07 13 50.8 39.48N 33.11E 7 2.9 ¶12073498
ISCJB XI 14 07 13 51.6–.53 39.41N–.03 33.11E–.03 5–5 2.9
CSEM XI 14 07 13 51.6–.16 39.45N 33.09E 10 2.9
DDA XI 14 07 13 51.6 39.35N 33.15E 7–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=160.1.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=154.0.
ISC XI 14 10 17 37.3–.45 39.46N–.03 28.15E–.04 14–5 40 0-1
ISK XI 14 10 17 35.8 39.44N 28.11E 8 2.8 ¶12073507
ISCJB XI 14 10 17 36.9–.44 39.46N–.03 28.14E–.03 10 2.8
CSEM XI 14 10 17 36.8–.18 39.47N 28.13E 10 2.8
DDA XI 14 10 17 37.3 39.45N 28.17E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=171.4.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=4.0km az=156.0.
ISC XI 14 10 40 57.4–.54 39.13N–.04 29.40E–.04 4–8 29 0-2
ISCJB XI 14 10 40 56.9–.57 39.12N–.05 29.39E–.04 4–9 ¶12073509
CSEM XI 14 10 40 56.9–.15 39.13N 29.40E 2 2.8
DDA XI 14 10 40 56.9 39.12N 29.38E 6–2 2.8
ISK XI 14 10 40 56.2 39.09N 29.41E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.9km az=164.5.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=38.0.
ISC XI 14 12 04 08.4–.63 38.79N–.03 37.85E–.05 16–5 30 0-2
ISK XI 14 12 04 05.5 38.80N 37.73E 8 2.8 ¶12073515
DDA XI 14 12 04 06.8 38.81N 37.76E 7–3 2.8
CSEM XI 14 12 04 07.3–.41 38.77N 37.82E 16–3 2.8
ISCJB XI 14 12 04 08.4–.66 38.80N–.04 37.84E–.06 18–7 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XI 14 12 25 39.4–.52 39.99N–.03 33.51E–.04 0–5 41 0-2
ISK XI 14 12 25 37.7 39.96N 33.52E 4 2.7 ¶12073518
CSEM XI 14 12 25 38.9–.18 39.98N 33.52E 2 3.0
ISCJB XI 14 12 25 39.4–.42 39.98N–.03 33.51E–.04 10 3.0
DDA XI 14 12 25 39.4 39.99N 33.55E 7–3 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=135.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=36.0.

ISC XI 14 13 18 46.3–2.0 37.16N–.08 38.71E–.07 1–8 28 0-2
ISK XI 14 13 18 46.9 37.21N 38.71E 8 2.9 ¶12073522
CSEM XI 14 13 18 46.7–.42 37.16N 38.75E 8 2.9
DDA XI 14 13 18 49.0 37.26N 38.61E 6–6 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=4.5km az=147.0.
ISC XI 14 14 48 53.2–.78 39.20N–.05 34.17E–.04 6–8 30 0-2
DDA XI 14 14 48 48.0 39.72N 35.24E 7–6 2.8 ¶12073531
ISCJB XI 14 14 48 52.4–.79 39.20N–.05 34.17E–.04 0–9 2.8
ISK XI 14 14 48 52.6 39.23N 34.11E 3 2.7
CSEM XI 14 14 48 53.0–.27 39.22N 34.16E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.7km az=175.7.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.0km az=173.0.
ISC XI 14 21 32 01.9–.49 40.80N–.03 31.93E–.03 1–4 94 1-3
DDA XI 14 21 32 00.7 40.83N 31.92E 13–3 3.2 ¶14011587
CSEM XI 14 21 32 01.9–.12 40.80N 31.94E 5 3.3
ISK XI 14 21 32 01.2 40.79N 31.94E 5 3.3
ISCJB XI 14 21 32 02.3–.33 40.81N–.03 31.92E–.03 10 3.3
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XI 15 06 25 23.4–.59 40.79N–.04 31.96E–.05 12–6 23 0-1
ISCJB XI 15 06 25 22.9–.60 40.80N–.04 31.96E–.05 8–8 ¶12073599
CSEM XI 15 06 25 22.6–.35 40.78N 32.00E 12 2.7
ISK XI 15 06 25 22.6 40.80N 31.97E 11 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.4km az=42.3.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=7.0km az=140.0.
ISC XI 15 08 06 04.2–.99 38.72N–.08 35.66E–.05 13–6 24 0-2
ISCJB XI 15 08 06 03.9–1.1 38.69N–.07 35.68E–.07 15–9 ¶12073606
CSEM XI 15 08 06 04.0–.46 38.79N 35.66E 10 2.6
ISK XI 15 08 06 04.0 39.04N 35.91E 5 2.6
DDA XI 15 08 06 05.5 38.85N 35.57E 7–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=9.4km az=16.1.
CSEM Event type ke. Error ellipse: s-maj=13.7km s-min=6.1km az=10.0.
ISC XI 15 13 53 07.4–1.0 40.12N–.06 35.61E–.06 5–9 21 1-1
ISCJB XI 15 13 53 06.9–1.2 40.13N–.05 35.60E–.07 2–10 ¶12073632
ISK XI 15 13 53 06.1 40.13N 35.62E 11 2.9
CSEM XI 15 13 53 07.3–.41 40.11N 35.58E 8 3.1
DDA XI 15 13 53 07.8 40.09N 35.56E 7–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=8.3km az=16.5.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=7.0km az=24.0.
ISC XI 15 15 18 17.3–.54 37.24N–.04 28.19E–.05 3–12 28 0-1
ISCJB XI 15 15 18 16.9–.61 37.24N–.04 28.19E–.05 0–13 ¶12073636
ISK XI 15 15 18 16.7 37.23N 28.17E 6 2.8
CSEM XI 15 15 18 17.0–.18 37.24N 28.18E 2 2.8
DDA XI 15 15 18 17.1 37.24N 28.17E 7–3 3.0L,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.8km az=40.4.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=36.0.
ISC XI 16 08 50 21.6–.75 36.33N–.04 29.29E–.05 15–4 47 0-2
ISK XI 16 08 50 20.4 36.33N 29.29E 14 3.1 ¶12073723
ISCJB XI 16 08 50 21.1–.77 36.33N–.04 29.29E–.05 13–5 3.1
CSEM XI 16 08 50 21.0–.31 36.33N 29.30E 15 2.9
DDA XI 16 08 50 21.2 36.45N 29.34E 8–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.0km az=32.3.
CSEM Event type ke.
ISC XI 16 09 34 59.4–.60 37.57N–.04 38.44E–.05 14–6 30 0-2
ISK XI 16 09 34 58.5 37.57N 38.43E 9 2.8 ¶12073726
ISCJB XI 16 09 34 59.1–.58 37.58N–.04 38.44E–.05 11–6 2.8
CSEM XI 16 09 34 59.1–.11 37.57N 38.43E 10 2.8
DDA XI 16 09 34 59.3 37.61N 38.45E 7–3 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.4km az=141.5.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=145.0.
ISC XI 16 11 26 49.6–.46 39.44N–.03 33.08E–.04 2–3 61 0-3
DDA XI 16 11 26 49.0 39.43N 33.10E 11–1 3.2 ¶12073738
ISK XI 16 11 26 48.8 39.44N 33.07E 3 3.2
ISCJB XI 16 11 26 49.3–.56 39.43N–.03 33.08E–.04 2–4 3.2
CSEM XI 16 11 26 49.3–.11 39.44N 33.09E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.5km az=44.2.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=138.0.
ISC XI 16 15 12 33.6–.31 40.79N–.03 27.38E–.03 13–2 98 0-3
DDA XI 16 15 12 32.2 40.80N 27.35E 19–1 3.2 ¶12073760
ISCJB XI 16 15 12 33.1–.32 40.80N–.02 27.39E–.03 11–2 3.2
CSEM XI 16 15 12 33.5–.10 40.79N 27.38E 12 3.0
ISK XI 16 15 12 33.3 40.76N 27.39E 14 3.0,3.0L
ATH XI 16 15 12 36.0 40.71N 27.21E 37–6 3.6,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=154.9.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=155.0.
ATH Error ellipse: s-maj=8.4km s-min=9.5km az=-1.0.
ISC XI 16 22 01 13.4–.66 40.42N–.04 32.88E–.04 8–6 37 0-2
ISCJB XI 16 22 01 12.5–.64 40.42N–.04 32.86E–.04 10 ¶12073793
DDA XI 16 22 01 12.9 40.39N 32.90E 7–2 2.8
CSEM XI 16 22 01 13.5–.27 40.42N 32.93E 2 2.8
ISK XI 16 22 01 14.0 40.50N 32.92E 6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=15.8.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=4.0.
ISC XI 17 02 25 08.2–.65 38.38N–.04 42.78E–.04 9–6 30 0-1
ISCJB XI 17 02 25 07.8–.65 38.40N–.04 42.78E–.04 5–6 ¶12073812
CSEM XI 17 02 25 07.6–.29 38.34N 42.65E 21–3 2.8
DDA XI 17 02 25 07.7 38.42N 42.78E 3–0 2.8
ISK XI 17 02 25 07.2 38.34N 42.61E 21 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.6km az=24.5.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=5.4km az=55.0.
ISC XI 17 07 03 39.2–.61 38.88N–.04 35.65E–.04 4–11 27 0-2
ISCJB XI 17 07 03 38.6–.57 38.91N–.04 35.65E–.04 10 ¶12073831
ISK XI 17 07 03 38.0 38.86N 35.60E 2 3.0
CSEM XI 17 07 03 39.1–.27 38.81N 35.64E 2 3.0
DDA XI 17 07 03 45.3 38.87N 35.34E 26–0 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.7km az=32.2.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.6km az=18.0.
ISC XI 17 19 15 33.9–.47 39.43N–.03 40.45E–.03 3–6 43 1-2
ISK XI 17 19 15 32.9 39.45N 40.42E 4 3.1 ¶12073892
ISCJB XI 17 19 15 33.4–.41 39.44N–.02 40.44E–.03 10 3.1
DDA XI 17 19 15 33.3 39.40N 40.46E 7–4 3.0
CSEM XI 17 19 15 34.1–.21 39.44N 40.41E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=33.7.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=118.0.
ISC XI 17 19 58 58.6–.49 39.45N–.03 40.45E–.04 14–6 36 1-2
ISCJB XI 17 19 58 57.9–.49 39.45N–.04 40.45E–.04 11–7 ¶12073896
CSEM XI 17 19 58 58.7–.41 39.44N 40.42E 17–4 3.0
ISK XI 17 19 58 58.1 39.46N 40.41E 20 3.0
DDA XI 17 19 58 59.1 39.40N 40.46E 7–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.3km az=158.4.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=7.3km az=131.0.
ISC XI 17 20 01 43.0–.57 37.36N–.03 27.78E–.04 10–8 28 0-1
ISCJB XI 17 20 01 42.7–.54 37.36N–.03 27.77E–.04 12–5 ¶12073897
CSEM XI 17 20 01 42.8–.24 37.36N 27.77E 10 2.5
ISK XI 17 20 01 42.8 37.35N 27.73E 11 2.5
DDA XI 17 20 01 43.2 37.40N 27.78E 7–1 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.2km az=41.4.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=41.0.
ISC XI 18 03 58 55.5–.46 37.00N–.02 29.06E–.03 0–4 101 0-5
ISK XI 18 03 58 54.4 37.00N 29.07E 3 3.4 ¶12073962
ISCJB XI 18 03 58 55.1–.45 37.01N–.02 29.07E–.03 2–4 3.4
CSEM XI 18 03 58 55.3–.15 37.00N 29.06E 2 3.4
DDA XI 18 03 58 55.1 37.01N 29.12E 3–0 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=164.1.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=25.0.
ISC XI 18 07 16 59.3–.41 40.14N–.03 27.32E–.03 3–7 50 0-2
ISCJB XI 18 07 16 58.8–.50 40.13N–.03 27.30E–.03 3–6 ¶12073979
ISK XI 18 07 16 58.6 40.13N 27.30E 5 2.7
DDA XI 18 07 16 58.8 40.13N 27.33E 7–4 2.8
CSEM XI 18 07 16 59.2–.10 40.14N 27.32E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=35.8.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=40.0.
ISC XI 18 07 36 43.3–.38 39.10N–.02 26.18E–.03 7–3 124 0-3
ISK XI 18 07 36 41.8 39.11N 26.13E 4 3.1 ¶12073982
ISCJB XI 18 07 36 42.8–.39 39.10N–.02 26.18E–.03 7–3 3.1
THE XI 18 07 36 42.9 39.08N 26.17E 0–1 3.0L
ATH XI 18 07 36 42.0 39.12N 26.32E 22–0 3.2
DDA XI 18 07 36 42.3 39.12N 26.18E 27–1 3.1
CSEM XI 18 07 36 42.5–.14 39.10N 26.15E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=162.1.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=135.0.
ATH Error ellipse: s-maj=0.8km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=76.0.
ISC XI 18 08 30 39.9–1.3 39.08N–.05 26.04E–.09 4–10 28 1-2
ISK XI 18 08 30 36.5 38.94N 26.08E 5 2.9 ¶12073987
ISCJB XI 18 08 30 39.3–1.2 39.06N–.04 26.04E–.08 1–9 2.9
CSEM XI 18 08 30 39.5–.59 39.09N 26.03E 0–5 2.8
DDA XI 18 08 30 40.1 39.12N 26.07E 6–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=7.4km az=175.2.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=6.6km az=90.0.
DDA XI 18 13 10 38.0 38.81N 28.88E 7–4 2.7
CSEM XI 18 13 10 38.0 38.81N 28.88E 7 2.7 ¶14011730
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC XI 18 14 59 53.8–.46 39.12N–.03 40.42E–.03 7–5 43 0-2
ISCJB XI 18 14 59 53.2–.57 39.12N–.03 40.42E–.03 2–5 ¶12074016
DDA XI 18 14 59 53.1 39.11N 40.46E 18–2 2.9
ISK XI 18 14 59 53.2 39.12N 40.40E 6 2.9
CSEM XI 18 14 59 53.5–.19 39.13N 40.39E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=139.5.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=127.0.
ISC XI 18 18 49 25.0–.33 37.23N–.02 28.33E–.02 5–3 163 0-10
ISK XI 18 18 49 23.8 37.26N 28.32E 5 3.3 ¶12074035
CSEM XI 18 18 49 24.7–.12 37.22N 28.33E 2 3.3
ISCJB XI 18 18 49 24.7–.32 37.16N–.02 28.33E–.02 14–3 3.3
DDA XI 18 18 49 24.4 37.27N 28.35E 13–5 3.3
ATH XI 18 18 49 25.9 37.22N 28.25E 21–2 3.7
HLW XI 18 18 49 30.9 36.89N 28.52E 33–25 3.2,3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=24.7.
ATH Error ellipse: s-maj=1.7km s-min=1.9km az=-1.0.
ISC XI 18 20 06 17.5–.34 38.37N–.02 27.00E–.02 8–2 91 0-3
DDA XI 18 20 06 16.4 38.39N 27.01E 14–2 3.2 ¶12074046
ISK XI 18 20 06 16.8 38.33N 27.05E 3 3.2
ISCJB XI 18 20 06 17.1–.33 38.38N–.02 26.99E–.02 7–2 3.2
CSEM XI 18 20 06 17.0–.20 38.35N 26.97E 3–1 3.2
ATH XI 18 20 06 17.7 38.36N 26.95E 34–2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=43.8.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=78.0.
ATH Error ellipse: s-maj=0.8km s-min=1.9km az=-1.0.
ISC XI 18 22 55 42.0–1.0 37.00N–.04 34.48E–.08 7–6 21 0-2
ISCJB XI 18 22 55 41.8–.95 37.00N–.04 34.50E–.07 6–7 ¶12074066
DDA XI 18 22 55 41.4 36.95N 34.54E 6–4 2.7
ISK XI 18 22 55 41.0 37.01N 34.48E 5 2.6
CSEM XI 18 22 55 41.7–.24 37.01N 34.47E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.0km az=19.7.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=114.0.
ISC XI 19 00 41 27.6–.47 39.00N–.03 39.78E–.03 18–4 37 0-2
DDA XI 19 00 41 27.0 38.96N 39.81E 7–3 2.8 ¶12074082
ISK XI 19 00 41 26.7 39.00N 39.77E 22 2.8
ISCJB XI 19 00 41 27.8–.44 39.01N–.03 39.79E–.04 21–8 2.8
CSEM XI 19 00 41 27.3–.18 39.00N 39.77E 20 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.7km az=166.7.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=142.0.
ISC XI 19 01 02 23.3–.51 40.85N–.03 31.06E–.04 6–4 68 0-2
ISCJB XI 19 01 02 22.8–.52 40.85N–.03 31.06E–.03 5–4 ¶12074085
ISK XI 19 01 02 22.5 40.84N 31.09E 7 2.9
CSEM XI 19 01 02 22.9–.17 40.84N 31.08E 5 2.7
DDA XI 19 01 02 23.4 40.83N 30.91E 14–1 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.2km az=148.4.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.5km az=139.0.
ISC XI 19 01 22 59.8–.47 40.14N–.03 28.31E–.04 11–5 50 0-2
ISCJB XI 19 01 22 59.3–.46 40.14N–.03 28.31E–.04 11–5 ¶12074088
CSEM XI 19 01 22 59.6–.23 40.15N 28.30E 12 2.8
DDA XI 19 01 22 59.0 40.11N 28.31E 7–4 2.6
ISK XI 19 01 22 59.3 40.15N 28.30E 11 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=137.8.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=138.0.
ISK XI 19 03 06 22.3 40.14N 28.29E 5 2.7
CSEM XI 19 03 06 22.3 40.14N 28.29E 5 2.7 ¶12074093
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC XI 19 05 45 19.5–.45 38.41N–.02 27.00E–.03 7–3 66 0-2
DDA XI 19 05 45 18.8 38.39N 27.01E 7–4 3.3 ¶12074110
ISCJB XI 19 05 45 19.1–.51 38.41N–.02 27.00E–.03 4–4 3.3
ISK XI 19 05 45 19.1 38.40N 27.02E 5 3.0
CSEM XI 19 05 45 19.3–.13 38.41N 27.01E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=16.3.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=96.0.
ISC XI 19 12 02 29.3–.44 38.87N–.02 35.56E–.02 1–4 103 0-4
DDA XI 19 12 02 27.8 38.89N 35.52E 4–4 3.6 ¶12074138
ISK XI 19 12 02 27.8 38.88N 35.57E 5 3.6
ISCJB XI 19 12 02 29.2–.26 38.87N–.02 35.59E–.02 10 3.6
CSEM XI 19 12 02 29.3–.13 38.85N 35.55E 2 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=8.4.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=3.0.
ISC XI 19 18 58 33.9–.27 41.15N–.02 33.56E–.03 10 98 0-9
ISCJB XI 19 18 58 32.9–.28 41.16N–.02 33.54E–.03 10 ¶12074170
DDA XI 19 18 58 32.1 41.15N 33.49E 7–1 2.9
ISK XI 19 18 58 32.0 41.14N 33.53E 3 3.5
CSEM XI 19 18 58 33.1–.12 41.14N 33.55E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=135.1.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=34.0.

ISC XI 20 03 13 33.3–.45 38.91N–.02 28.20E–.03 5–5 72 0-3
ISCJB XI 20 03 13 32.7–.47 38.91N–.02 28.20E–.03 3–5 ¶12074225
DDA XI 20 03 13 33.0 38.87N 28.20E 7–3 2.8
ISK XI 20 03 13 32.3 38.90N 28.20E 5 2.8
CSEM XI 20 03 13 33.1–.09 38.90N 28.19E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=4.0km az=31.1.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=122.0.
ISK XI 20 05 07 30.1 39.72N 31.05E 15 2.8
CSEM XI 20 05 07 30.5–.13 39.72N 31.03E 12 2.8 ¶12074230
DDA XI 20 05 07 33.4 39.65N 30.93E 8–0 2.8
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=61.0.
ISC XI 20 12 35 57.3–.47 40.44N–.04 40.79E–.04 20–6 40 0-2
DDA XI 20 12 35 56.9 40.50N 40.80E 7–2 2.9 ¶12074262
ISK XI 20 12 35 56.6 40.42N 40.78E 13 2.6
ISCJB XI 20 12 35 57.6–.49 40.44N–.03 40.79E–.03 21–13 2.6
CSEM XI 20 12 35 57.1–.21 40.45N 40.77E 20 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=154.2.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=154.0.
ISC XI 20 13 18 20.8–.90 37.15N–.05 37.32E–.05 7–5 33 0-2
ISCJB XI 20 13 18 20.7–.93 37.16N–.06 37.31E–.05 5–5 ¶12074265
CSEM XI 20 13 18 20.9–.32 37.16N 37.31E 8 2.5
ISK XI 20 13 18 20.1 37.23N 37.29E 4 2.5
DDA XI 20 13 18 20.4 37.16N 37.33E 7–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.1km az=150.3.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=4.3km az=143.0.
ISK XI 20 13 37 31.2 39.75N 34.86E 5 2.9
¶12074268
ISC XI 20 13 51 49.2–.52 38.66N–.03 38.22E–.04 8–7 44 0-2
ISK XI 20 13 51 47.7 38.68N 38.21E 13 2.9 ¶12074271
CSEM XI 20 13 51 48.5–.30 38.67N 38.26E 10 2.9
DDA XI 20 13 51 48.0 38.75N 38.18E 7–6 2.9
ISCJB XI 20 13 51 49.0–.54 38.64N–.04 38.25E–.04 13–7 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XI 20 14 24 02.7–.62 39.97N–.04 40.01E–.05 9–7 31 0-1
DDA XI 20 14 24 01.9 39.99N 39.97E 7–3 2.6 ¶12074273
ISK XI 20 14 24 01.6 39.98N 40.04E 6 2.8
ISCJB XI 20 14 24 02.3–.65 39.97N–.03 40.00E–.05 6–7 2.8
CSEM XI 20 14 24 02.3–.23 39.96N 40.02E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.5km az=176.7.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=122.0.
ISC XI 20 19 12 41.5–.46 38.79N–.03 39.99E–.03 14–5 40 0-2
ISCJB XI 20 19 12 40.9–.46 38.79N–.03 39.99E–.03 8–5 ¶12074303
ISK XI 20 19 12 40.9 38.81N 39.94E 8 2.8
DDA XI 20 19 12 40.2 38.75N 40.02E 12–2 3.1
CSEM XI 20 19 12 41.3–.31 38.80N 39.95E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.5km az=178.6.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=5.1km az=159.0.
ISC XI 20 19 21 53.4–.44 37.31N–.03 36.90E–.03 8–5 44 0-3
ISCJB XI 20 19 21 52.9–.44 37.31N–.03 36.89E–.03 6–6 ¶12074305
DDA XI 20 19 21 52.8 37.31N 36.90E 7–4 3.1
ISK XI 20 19 21 52.8 37.32N 36.92E 8 2.9
CSEM XI 20 19 21 53.3–.10 37.31N 36.90E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.5km az=145.7.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=150.0.
ISC XI 20 20 05 48.3–.46 37.36N–.03 36.87E–.03 10–4 41 0-2
ISCJB XI 20 20 05 47.7–.45 37.35N–.03 36.87E–.03 10–5 ¶12074312
CSEM XI 20 20 05 47.8–.16 37.34N 36.87E 10 2.8
ISK XI 20 20 05 47.4 37.37N 36.88E 11 2.8
DDA XI 20 20 05 48.0 37.35N 36.88E 7–3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=174.1.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=170.0.
ISC XI 20 21 58 47.5–.72 39.38N–.05 33.18E–.07 11–7 29 0-2
CSEM XI 20 21 58 46.9–.19 39.40N 33.18E 10 3.0 ¶12074329
ISK XI 20 21 58 46.0 39.37N 33.20E 11 3.0
ISCJB XI 20 21 58 47.4–.62 39.39N–.05 33.16E–.06 12–6 3.0
DDA XI 20 21 58 47.1 39.34N 33.20E 7–5 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.4km az=137.6.
ISC XI 21 00 50 53.1–.49 38.51N–.03 40.84E–.03 12–5 51 0-3
ISK XI 21 00 50 51.6 38.45N 40.80E 11 3.0 ¶12074350
ISCJB XI 21 00 50 52.2–.52 38.51N–.03 40.81E–.03 7–5 3.0
CSEM XI 21 00 50 52.1–.23 38.45N 40.82E 8 3.0
DDA XI 21 00 50 52.3 38.52N 40.87E 22–2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=27.2.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.0km az=172.0.
ISC XI 21 01 07 17.3–1.0 38.36N–.04 39.01E–.05 17–10 28 0-1
ISK XI 21 01 07 16.1 38.38N 38.99E 5 2.5 ¶12074352
ISCJB XI 21 01 07 17.2–.59 38.35N–.03 38.99E–.04 10 2.5
CSEM XI 21 01 07 17.3–.24 38.38N 39.00E 8 2.5
DDA XI 21 01 07 17.5 38.35N 38.97E 7–1 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=142.7.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=152.0.
ISK XI 21 02 52 48.4 38.83N 35.55E 5 3.1
DDA XI 21 02 52 49.2 38.88N 35.53E 7–2 3.4 ¶12074359
CSEM XI 21 02 52 50.0–.18 38.84N 35.52E 2 3.1
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=23.0.
ISC XI 21 03 16 57.5–.77 38.38N–.03 39.05E–.03 11–11 31 0-1
ISCJB XI 21 03 16 56.9–.64 38.37N–.03 39.04E–.03 11–8 ¶12074360
ISK XI 21 03 16 56.3 38.36N 39.06E 9 2.5
CSEM XI 21 03 16 57.0–.11 38.39N 39.05E 5 2.5
DDA XI 21 03 16 57.3 38.37N 39.03E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=171.9.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=164.0.
ISC XI 21 03 37 35.6–.39 39.47N–.02 33.09E–.03 1–4 73 0-3
ISK XI 21 03 37 34.6 39.48N 33.07E 5 3.2 ¶12074362
ISCJB XI 21 03 37 35.4–.32 39.47N–.02 33.12E–.03 10 3.2
CSEM XI 21 03 37 35.8–.13 39.47N 33.06E 2 3.2
DDA XI 21 03 37 35.5 39.45N 33.10E 10–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=136.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=145.0.
ISC XI 21 03 40 18.2–.61 39.41N–.03 33.04E–.04 5–4 59 0-3
ISK XI 21 03 40 16.7 39.43N 33.09E 4 3.0 ¶12074364
CSEM XI 21 03 40 17.5–.19 39.41N 33.05E 2 3.0
ISCJB XI 21 03 40 18.6–.37 39.42N–.03 33.04E–.03 10 3.0
DDA XI 21 03 40 18.5 39.42N 33.07E 2–2 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.7km az=137.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=42.2.
ISC XI 21 04 50 38.4–.38 38.40N–.02 27.00E–.03 10–3 60 0-2
ISCJB XI 21 04 50 37.9–.38 38.40N–.02 26.99E–.03 9–4 ¶12074370
CSEM XI 21 04 50 37.8–.11 38.40N 26.98E 8 3.0
DDA XI 21 04 50 37.8 38.41N 26.99E 7–5 2.8
ISK XI 21 04 50 37.0 38.39N 26.97E 9 3.0
ATH XI 21 04 50 38.3 38.41N 27.01E 11–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=90.0.

ATH Error ellipse: s-maj=0.8km s-min=1.6km az=-1.0.
ISC XI 21 11 15 26.2–.73 38.66N–.03 39.25E–.06 10 20 0-1
ISK XI 21 11 15 24.4 38.66N 39.27E 23 2.7 ¶12074389
ISCJB XI 21 11 15 25.8–.71 38.67N–.03 39.23E–.06 10 2.7
CSEM XI 21 11 15 25.2–.27 38.66N 39.25E 15 2.7
DDA XI 21 11 15 25.8 38.65N 39.24E 5–0 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.5km az=18.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.8km az=101.0.
ISC XI 21 15 10 34.6–.63 37.20N–.05 28.21E–.05 8–9 26 0-1
DDA XI 21 15 10 33.6 37.22N 28.04E 7–3 3.1 ¶12074402
ISCJB XI 21 15 10 34.3–.62 37.20N–.05 28.20E–.05 5–9 3.1
CSEM XI 21 15 10 34.4–.15 37.20N 28.20E 8 2.6
ISK XI 21 15 10 34.0 37.20N 28.19E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.2km az=27.6.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=13.0.
ISC XI 21 20 33 10.4–.99 37.57N–.07 35.71E–.04 16–5 24 0-1
ISCJB XI 21 20 33 09.9–.00 37.58N–.07 35.69E–.04 15–6 ¶12074437
CSEM XI 21 20 33 09.6–.14 37.60N 35.70E 12 2.5
DDA XI 21 20 33 09.7 37.54N 35.76E 6–4 2.8L,2.7
ISK XI 21 20 33 09.5 37.58N 35.67E 9 2.5,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=5.0km az=171.6.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=1.6km az=169.0.
ISC XI 21 22 28 14.4–.60 39.43N–.04 33.09E–.04 2–6 49 0-2
NEIC XI 21 22 28 13.1 39.46N 33.07E 5 3.0 ¶12074445
ISK XI 21 22 28 13.1 39.46N 33.07E 5 3.1
ISCJB XI 21 22 28 14.1–.67 39.43N–.04 33.08E–.04 2–7 3.1
CSEM XI 21 22 28 14.0–.19 39.45N 33.04E 2 3.1
DDA XI 21 22 28 14.9 39.55N 32.94E 3–5 2.9
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=145.1.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=145.0.
ISC XI 21 22 36 12.3–.58 39.41N–.03 38.35E–.03 3–6 61 0-4
NEIC XI 21 22 36 10.0 39.39N 38.40E 5 3.1 ¶12074450
ISCJB XI 21 22 36 12.5–.37 39.39N–.02 38.40E–.03 10 3.1
CSEM XI 21 22 36 12.3–.25 39.38N 38.33E 8 2.9
DDA XI 21 22 36 12.2 39.39N 38.30E 7–3 2.9
ISK XI 21 22 36 12.0 39.37N 38.40E 8 3.2
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=35.9.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=5.9km az=81.0.
ISC XI 22 00 36 58.3–.54 38.14N–.04 37.50E–.04 9–7 37 0-2
ISCJB XI 22 00 36 57.8–.61 38.13N–.03 37.50E–.04 6–6 ¶12074460
CSEM XI 22 00 36 57.9–.13 38.16N 37.49E 8 2.8
DDA XI 22 00 36 57.7 38.13N 37.52E 7–3 2.8
ISK XI 22 00 36 57.4 38.17N 37.47E 9 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.9km az=139.7.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.4km az=149.0.
ISC XI 22 19 25 36.5–.53 39.13N–.03 40.40E–.04 4–6 40 0-2
CSEM XI 22 19 25 35.8–.31 39.17N 40.40E 2 2.9 ¶12074532
ISK XI 22 19 25 35.6 39.10N 40.41E 7 2.9
ISCJB XI 22 19 25 36.3–.43 39.12N–.03 40.41E–.03 10 2.9
DDA XI 22 19 25 37.0 39.18N 40.49E 7–4 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=6.3km az=140.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=25.5.
ISC XI 23 04 43 44.9–.58 38.36N–.05 27.15E–.04 10–4 38 0-2
ISCJB XI 23 04 43 44.9–.53 38.40N–.05 27.13E–.04 11–4 ¶12074562
CSEM XI 23 04 43 44.8–.12 38.39N 27.15E 10 2.7
DDA XI 23 04 43 44.5 38.40N 27.15E 7–1 2.8
ISK XI 23 04 43 44.5 38.38N 27.17E 11 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.4km az=158.7.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=157.0.
ISC XI 23 07 46 41.8–.38 40.46N–.02 26.15E–.03 11–4 64 0-2
ISCJB XI 23 07 46 41.4–.38 40.46N–.02 26.15E–.03 9–4 ¶12074573
CSEM XI 23 07 46 41.4–.14 40.46N 26.13E 12 2.4L
ATH XI 23 07 46 41.3 40.46N 26.13E 26–4 3.3
DDA XI 23 07 46 41.4 40.44N 26.19E 7–1 2.9
ISK XI 23 07 46 41.1 40.45N 26.17E 10 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=135.8.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=148.0.
ATH Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0.
ISK XI 23 10 35 48.9 37.58N 35.69E 13 2.5L
CSEM XI 23 10 35 48.9 37.58N 35.69E 13 2.5L ¶12074581
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC XI 23 23 17 32.7–.47 37.33N–.04 36.47E–.03 10–5 42 0-2
DDA XI 23 23 17 31.8 37.32N 36.46E 7–4 3.2L,3.1 ¶12074621
ISCJB XI 23 23 17 32.2–.47 37.33N–.04 36.48E–.03 8–6 3.2L,3.1
CSEM XI 23 23 17 32.5–.16 37.34N 36.47E 10 3.2L,3.1
ISK XI 23 23 17 32.0 37.37N 36.47E 7 3.0,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=13.9.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=179.0.
ISC XI 24 02 00 25.6–.52 37.78N–.05 37.69E–.04 14–8 30 0-2
ISCJB XI 24 02 00 25.0–.53 37.79N–.05 37.69E–.04 10–9 ¶12074632
ISK XI 24 02 00 24.8 37.83N 37.64E 11 2.8
CSEM XI 24 02 00 25.3–.18 37.80N 37.68E 10 2.8
DDA XI 24 02 00 25.6 37.74N 37.69E 12–2 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.5km az=149.8.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.4km az=146.0.
ISC XI 24 05 05 11.1–.37 40.00N–.02 28.16E–.03 4–4 115 0-3
ISCJB XI 24 05 05 10.5–.45 40.00N–.02 28.16E–.03 1–4 ¶12074645
CSEM XI 24 05 05 10.9–.09 40.00N 28.16E 5 3.2
ISK XI 24 05 05 10.6 40.00N 28.15E 6 3.2
DDA XI 24 05 05 10.8 39.96N 28.20E 4–4 3.5L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=43.8.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=55.0.
ISC XI 24 06 33 38.4–.47 40.71N–.02 31.47E–.02 1–3 107 0-6
DDA XI 24 06 33 37.0 40.73N 31.48E 12–2 2.9 ¶12074655
ISK XI 24 06 33 37.6 40.71N 31.47E 5 3.0
ISCJB XI 24 06 33 38.5–.32 40.71N–.02 31.45E–.02 10 3.0
CSEM XI 24 06 33 38.1–.12 40.68N 31.48E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=5.1.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=9.0.
ISC XI 24 10 48 37.4–.30 39.98N–.02 28.17E–.02 10–3 110 0-3
ISCJB XI 24 10 48 36.9–.31 39.98N–.02 28.17E–.02 8–3 ¶12074670
DDA XI 24 10 48 36.5 39.97N 28.17E 22–2 3.3L,3.2
ISK XI 24 10 48 36.6 39.97N 28.18E 10 3.2L,3.2
CSEM XI 24 10 48 37.2–.07 39.98N 28.17E 10 3.2L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=33.7.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=108.0.
ISC XI 24 12 32 05.9–.48 37.98N–.03 31.04E–.04 15–5 47 0-2
DDA XI 24 12 32 04.7 38.08N 30.92E 7–7 3.0 ¶12074681
ISCJB XI 24 12 32 05.2–.49 37.98N–.03 31.05E–.04 13–5 3.0
CSEM XI 24 12 32 05.4–.26 37.98N 31.02E 12 2.3L
ISK XI 24 12 32 05.3 37.95N 30.94E 24 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.0km az=23.6.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=107.0.
ISC XI 24 19 46 22.4–.29 39.98N–.01 28.17E–.02 5–2 3.3b 290 0-39

SOF XI 24 19 46 12.9 39.41N 28.56E 5 2.8 ¶12074713
ISCJB XI 24 19 46 21.8–.29 39.99N–.01 28.17E–.02 7–2 3.3b
DDA XI 24 19 46 21.6 39.98N 28.19E 26–1 3.9L
NEIC XI 24 19 46 21.0 39.98N 28.17E 10 3.7L
ATH XI 24 19 46 21.2 39.97N 28.11E 13–7 3.7
CSEM XI 24 19 46 22.5–.07 39.98N 28.18E 8 3.8L
ISK XI 24 19 46 22.2 39.98N 28.18E 13 3.8L
IDC XI 24 19 46 22.9–1.4 40.01N 28.28E 0 3.3b,3.3
THE XI 24 19 46 23.6 39.95N 28.33E 27–19 4.1L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=16.8.
NEIC Event type se. After ISK.
ATH Error ellipse: s-maj=2.0km s-min=4.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=30.0.
IDC Error ellipse: s-maj=21.0km s-min=15.2km az=33.0.
THE Event type ke. Error ellipse: s-maj=20.5km s-min=1.5km az=90.0.
ISC XI 25 06 23 36.3–.43 37.86N–.03 29.20E–.04 13–5 46 0-1
ISCJB XI 25 06 23 35.8–.43 37.86N–.03 29.20E–.04 8–6 ¶12074768
CSEM XI 25 06 23 35.9–.16 37.86N 29.21E 10 2.9
DDA XI 25 06 23 35.6 37.85N 29.24E 14–1 2.8
ISK XI 25 06 23 35.9 37.82N 29.20E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=28.7.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=126.0.
ISC XI 25 18 29 37.2–.48 39.36N–.02 40.73E–.04 3–11 37 0-2
ISCJB XI 25 18 29 36.1–.45 39.37N–.02 40.74E–.04 10 ¶12074804
CSEM XI 25 18 29 36.9–.21 39.26N 40.70E 2 3.0
ISK XI 25 18 29 37.2 39.33N 40.76E 8 3.0
DDA XI 25 18 29 38.4 39.35N 40.95E 7–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=25.8.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.4km az=140.0.
ISC XI 25 19 50 16.5–.63 37.36N–.03 37.18E–.04 5–5 49 0-2
ISK XI 25 19 50 15.8 37.41N 37.18E 6 1.7L ¶12074813
ISCJB XI 25 19 50 16.2–.70 37.38N–.03 37.17E–.04 6–6 1.7L
CSEM XI 25 19 50 16.1–.23 37.36N 37.19E 5 1.7L
DDA XI 25 19 50 16.4 37.34N 37.14E 7–4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.9km az=4.5.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.6km az=125.0.
ISC XI 25 20 30 12.8–.55 39.42N–.02 27.55E–.04 10–12 44 0-1
ISK XI 25 20 30 11.9 39.44N 27.50E 5 2.7 ¶12074818
ISCJB XI 25 20 30 12.1–.53 39.42N–.02 27.55E–.04 8–13 2.7
CSEM XI 25 20 30 12.6–.13 39.42N 27.54E 10 2.8
DDA XI 25 20 30 12.3 39.42N 27.56E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=16.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=112.0.
ISC XI 25 21 18 20.2–.39 40.55N–.02 33.01E–.03 9–5 62 0-2
ISK XI 25 21 18 18.9 40.55N 33.00E 4 3.0 ¶12074824
ISCJB XI 25 21 18 19.5–.42 40.56N–.02 32.99E–.03 4–7 3.0
CSEM XI 25 21 18 19.9–.16 40.56N 33.02E 10 3.0
DDA XI 25 21 18 19.0 40.58N 33.03E 5–1 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=138.3.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=139.0.
ISC XI 25 21 33 22.0–.90 37.38N–.03 36.28E–.04 13–14 34 0-2
ISCJB XI 25 21 33 21.4–.55 37.38N–.03 36.30E–.03 10 ¶12074827
DDA XI 25 21 33 21.3 37.38N 36.27E 13–4 3.1
ISK XI 25 21 33 21.5 37.40N 36.30E 5 1.5L
CSEM XI 25 21 33 22.1–.26 37.36N 36.28E 2 1.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=141.1.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.7km az=30.0.
ISC XI 25 23 34 27.2–.44 38.09N–.03 37.49E–.03 14–5 48 0-2
ISK XI 25 23 34 25.9 38.19N 37.46E 3 2.7 ¶12074836
ISCJB XI 25 23 34 27.0–.49 38.11N–.03 37.49E–.03 11–5 2.7
CSEM XI 25 23 34 26.8–.14 38.12N 37.47E 12 2.8
DDA XI 25 23 34 26.2 38.09N 37.49E 11–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=168.7.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=170.0.
ISC XI 26 00 02 31.7–.69 37.59N–.06 36.28E–.04 7–6 34 0-2
ISK XI 26 00 02 29.1 37.69N 36.32E 2 1.9L ¶12074840
CSEM XI 26 00 02 30.2–.38 37.65N 36.26E 5 2.8
ISCJB XI 26 00 02 31.2–.68 37.61N–.05 36.28E–.04 6–5 2.8
DDA XI 26 00 02 31.5 37.57N 36.30E 7–1 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=7.1km az=170.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.2km az=1.1.
ISC XI 26 02 49 59.7–1.8 37.68N–.04 44.0E–.10 9–8 24 0-1
CSEM XI 26 02 49 58.8–.66 37.68N 44.02E 2 2.8 ¶12074853
DDA XI 26 02 50 01.0 37.66N 43.84E 7–2 2.8
ISK XI 26 02 50 00.1 37.68N 43.56E 5 1.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=4.5km az=100.0.
DDA XI 26 04 18 58.6 39.19N 27.79E 25–1 2.9
CSEM XI 26 04 18 59.5–.13 39.18N 27.77E 10 2.8 ¶12074858
ISK XI 26 04 18 59.2 39.18N 27.78E 16 2.8
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=106.0.
ISC XI 26 06 42 42.2–.47 37.09N–.03 35.81E–.03 10 34 0-2
ISK XI 26 06 42 40.9 37.05N 35.85E 20 2.2L ¶12074867
ISCJB XI 26 06 42 41.4–.48 37.08N–.03 35.82E–.03 10 2.2L
CSEM XI 26 06 42 41.2–.17 37.13N 35.80E 15 2.2L
DDA XI 26 06 42 41.2 37.11N 35.82E 7–6 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=7.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=175.0.
ISC XI 26 06 57 26.9–.51 37.07N–.03 35.82E–.04 10 30 0-1
ISK XI 26 06 57 25.2 37.04N 35.81E 22 1.7L ¶12074870
ISCJB XI 26 06 57 26.2–.51 37.06N–.03 35.82E–.04 10 1.7L
CSEM XI 26 06 57 26.1–.26 37.04N 35.80E 18–2 1.7L
DDA XI 26 06 57 26.4 37.07N 35.77E 7–7 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=158.4.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.8km az=110.0.
ISC XI 26 21 09 17.0–.49 39.44N–.03 33.06E–.05 4–4 38 0-2
ISK XI 26 21 09 14.9 39.50N 33.13E 2 1.8L ¶12074952
ISCJB XI 26 21 09 16.8–.47 39.46N–.03 33.05E–.04 5–4 1.8L
CSEM XI 26 21 09 16.3–.25 39.46N 33.05E 5 1.8L
DDA XI 26 21 09 16.5 39.44N 33.01E 4–1 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.7km az=31.6.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.6km az=112.0.
ISC XI 26 21 29 29.9–.43 39.27N–.02 27.81E–.04 4–4 90 0-3
ATH XI 26 21 29 24.3 39.64N 28.27E 31–16 3.3 ¶12074953
ISK XI 26 21 29 28.2 39.26N 27.81E 5 3.1
ISCJB XI 26 21 29 29.7–.29 39.25N–.02 27.83E–.03 10 3.1
CSEM XI 26 21 29 29.6–.13 39.27N 27.80E 5 3.1
DDA XI 26 21 29 29.2 39.27N 27.85E 7–4 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=7.6km s-min=11.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=16.7.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=104.0.
ISC XI 26 22 17 55.9–.44 37.88N–.02 27.41E–.03 3–7 56 0-2
ISK XI 26 22 17 54.4 37.86N 27.37E 3 2.7 ¶12074962
ISCJB XI 26 22 17 55.8–.36 37.86N–.02 27.43E–.03 10 2.7
CSEM XI 26 22 17 55.5–.16 37.87N 27.41E 5 2.9
DDA XI 26 22 17 55.3 37.88N 27.39E 7–3 2.9
ATH XI 26 22 17 55.1 37.85N 27.46E 4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=155.8.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=77.0.
ATH Error ellipse: s-maj=1.0km s-min=1.8km az=-1.0.
ISC XI 26 23 37 44.6–.79 38.73N–.03 43.20E–.05 18–10 32 0-1
ISCJB XI 26 23 37 44.2–.77 38.74N–.03 43.19E–.05 14–12 ¶12074973
CSEM XI 26 23 37 44.3–.19 38.74N 43.19E 10 2.8
ISK XI 26 23 37 44.0 38.76N 43.16E 7 2.5
DDA XI 26 23 37 45.4 38.66N 43.18E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.6km az=11.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=81.0.
ISC XI 27 02 23 38.2–1.1 39.57N–.06 38.4E–.10 25–10 21 0-2
DDA XI 27 02 23 34.4 39.36N 37.86E 5–0 2.8 ¶14011937
CSEM XI 27 02 23 37.3–.37 39.52N 38.35E 15 2.8
ISCJB XI 27 02 23 38.1–1.0 39.57N–.06 38.4E–.10 27–9 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XI 27 08 14 12.6–.51 40.61N–.03 37.13E–.03 2–5 76 0-4
DDA XI 27 08 14 11.4 40.58N 37.15E 10–1 3.5 ¶12075014
ISCJB XI 27 08 14 12.4–.37 40.58N–.02 37.14E–.03 10 3.5
CSEM XI 27 08 14 12.3–.16 40.60N 37.13E 2 3.1
ISK XI 27 08 14 12.2 40.56N 37.09E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=22.5.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=9.0.
ISC XI 27 09 56 48.7–.81 38.62N–.04 39.11E–.05 13–8 22 0-1
ISCJB XI 27 09 56 48.7–.62 38.63N–.04 39.10E–.06 7–9 ¶12075021
CSEM XI 27 09 56 48.7–.12 38.62N 39.11E 5 2.9
DDA XI 27 09 56 49.0 38.63N 39.07E 7–1 2.9
ISK XI 27 09 56 48.1 38.62N 39.09E 6 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.1km az=43.6.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=145.0.
ISC XI 27 12 21 55.9–.39 39.88N–.03 40.95E–.03 13–4 46 0-2
ISCJB XI 27 12 21 55.3–.45 39.89N–.02 40.92E–.03 7–5 ¶12075029
CSEM XI 27 12 21 55.7–.25 39.89N 40.95E 12 2.9
DDA XI 27 12 21 55.1 39.89N 40.94E 7–3 3.1
ISK XI 27 12 21 55.1 39.87N 40.92E 9 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=154.6.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.4km az=13.0.
ISC XI 27 13 06 12.8–4.3 37.1N–.30 37.36E–.09 10 7 0-2
DDA XI 27 13 06 14.7 37.20N 37.33E 7–5 2.7 ¶14011942
ISC XI 28 03 24 09.8–.54 40.62N–.03 37.15E–.03 3–6 36 0-2
ISCJB XI 28 03 24 09.2–.59 40.62N–.03 37.15E–.03 2–7 ¶12075106
DDA XI 28 03 24 09.2 40.59N 37.15E 7–2 2.9
CSEM XI 28 03 24 09.5–.16 40.62N 37.15E 2 2.5L
ISK XI 28 03 24 09.3 40.62N 37.15E 10 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=26.1.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=15.0.
ISC XI 28 10 11 45.0–.56 41.05N–.03 34.57E–.03 14–11 43 0-2
ISCJB XI 28 10 11 44.2–.59 41.04N–.03 34.58E–.03 15–10 ¶12075135
CSEM XI 28 10 11 44.5–.16 41.04N 34.58E 10 2.7
DDA XI 28 10 11 44.3 41.07N 34.58E 7–5 2.6
ISK XI 28 10 11 44.3 41.05N 34.57E 11 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=150.4.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=135.0.
DDA XI 28 11 25 04.0 37.25N 37.23E 7–3 2.5
¶14011969
ISC XI 28 13 12 03.0–.60 38.33N–.05 37.17E–.04 4–12 32 1-1
ISK XI 28 13 12 01.0 38.44N 37.11E 8 2.0L ¶12075142
ISCJB XI 28 13 12 02.6–.56 38.35N–.05 37.18E–.04 10 2.0L
CSEM XI 28 13 12 02.3–.35 38.40N 37.15E 5 2.0L
DDA XI 28 13 12 03.3 38.46N 37.08E 7–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.2km az=18.6.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=6.8km az=172.0.
ISC XI 28 19 36 05.9–.93 39.39N–.05 33.1E–.10 8–9 26 0-1
ISK XI 28 19 36 04.5 39.46N 33.16E 2 1.8L ¶12075171
ISCJB XI 28 19 36 05.8–.92 39.41N–.06 33.12E–.09 8–7 1.8L
CSEM XI 28 19 36 05.3–.33 39.39N 33.12E 5 1.8L
DDA XI 28 19 36 06.0 39.41N 33.03E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=4.9km az=38.4.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.0km az=122.0.
ISC XI 28 23 46 47.6–.48 39.96N–.03 32.42E–.03 7–6 41 0-2
ISK XI 28 23 46 46.5 39.91N 32.42E 6 2.8 ¶12075201
ISCJB XI 28 23 46 47.3–.44 39.95N–.04 32.42E–.03 10 2.8
CSEM XI 28 23 46 47.1–.19 39.96N 32.41E 5 2.8
DDA XI 28 23 46 47.5 39.99N 32.42E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=22.7.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=14.0.
ISC XI 29 02 50 50.2–1.9 37.37N–.09 38.64E–.07 1–12 28 0-2
ISCJB XI 29 02 50 50.5–1.3 37.42N–.06 38.65E–.07 10 ¶12075215
CSEM XI 29 02 50 50.3–.40 37.39N 38.61E 5 3.2
ISK XI 29 02 50 51.7 37.49N 38.55E 13 2.8
DDA XI 29 02 50 53.6 37.42N 38.45E 7–6 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=5.1km az=137.6.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.0km az=130.0.
ISC XI 29 03 07 09.7–.63 39.33N–.04 43.43E–.04 14–8 24 0-1
ISK XI 29 03 07 08.1 39.24N 43.39E 12 1.8L ¶12075217
ISCJB XI 29 03 07 09.5–.59 39.32N–.04 43.43E–.04 12–9 1.8L
CSEM XI 29 03 07 09.2–.20 39.33N 43.45E 10 2.8
DDA XI 29 03 07 09.7 39.34N 43.39E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.0km az=24.9.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=31.0.
ISC XI 29 09 07 15.2–.52 38.03N–.02 29.09E–.06 16–6 36 0-2
ISCJB XI 29 09 07 14.7–.52 38.04N–.02 29.08E–.06 14–7 ¶12075241
DDA XI 29 09 07 15.0 38.05N 29.08E 15–1 2.7
ISK XI 29 09 07 14.5 38.03N 29.09E 14 2.9
CSEM XI 29 09 07 15.0–.13 38.02N 29.10E 15 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.9km az=5.2.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.4km az=92.0.
ISC XI 29 10 55 06.1–.57 37.25N–.04 28.21E–.04 4–11 30 0-2
ISCJB XI 29 10 55 05.7–.58 37.25N–.04 28.20E–.04 2–11 ¶12075251
CSEM XI 29 10 55 05.9–.12 37.23N 28.20E 5 2.0L
DDA XI 29 10 55 05.8 37.22N 28.19E 7–1 2.6
ISK XI 29 10 55 05.3 37.25N 28.20E 7 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.7km az=30.5.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=22.0.
ISC XI 29 14 55 32.3–.28 40.63N–.02 36.96E–.02 10 100 0-5
DDA XI 29 14 55 30.3 40.66N 36.99E 15–0 3.3 ¶12075262
ISCJB XI 29 14 55 31.6–.28 40.63N–.03 36.99E–.02 10 3.3
CSEM XI 29 14 55 31.5–.14 40.64N 36.99E 2 3.3
ISK XI 29 14 55 31.1 40.65N 36.98E 6 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=20.7.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=12.0.
ISC XI 29 15 09 36.4–.54 39.89N–.04 40.03E–.04 13–7 35 0-2
ISCJB XI 29 15 09 35.5–.54 39.90N–.03 40.04E–.04 8–9 ¶12075264
CSEM XI 29 15 09 35.9–.30 39.87N 39.92E 2 2.8
ISK XI 29 15 09 35.8 39.91N 40.01E 8 2.7
DDA XI 29 15 09 36.0 39.93N 39.99E 7–3 2.8

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=3.9km az=140.4.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.3km az=161.0.
ISC XI 29 15 11 10.2–.57 39.90N–.04 39.96E–.05 8–7 26 0-2
ISCJB XI 29 15 11 09.9–.63 39.90N–.04 39.99E–.06 4–9 ¶12075265
CSEM XI 29 15 11 09.3–.20 39.88N 39.90E 2 2.9
DDA XI 29 15 11 09.9 39.95N 39.95E 7–4 2.9
ISK XI 29 15 11 09.4 39.90N 40.02E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.9km az=43.2.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.6km az=155.0.
ISC XI 29 17 56 46.6–.50 39.97N–.03 39.93E–.04 7–5 38 0-2
ISK XI 29 17 56 45.6 39.99N 39.97E 12 2.8 ¶12075273
ISCJB XI 29 17 56 46.0–.55 39.98N–.03 39.94E–.04 2–6 2.8
CSEM XI 29 17 56 46.2–.22 39.98N 39.94E 8 2.9
DDA XI 29 17 56 46.2 40.01N 40.00E 7–7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=137.6.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=145.0.
ISC XI 29 18 10 01.0–.29 39.58N–.01 28.84E–.02 2–2 269 0-8
ATH XI 29 18 09 59.6 39.58N 28.82E 12–7 3.8 ¶12075274
DDA XI 29 18 10 00.2 39.57N 28.82E 23–1 3.3
ISK XI 29 18 10 00.6 39.58N 28.84E 7 3.6L
ISCJB XI 29 18 10 00.3–.33 39.58N–.01 28.83E–.02 2–2 3.6L
CSEM XI 29 18 10 00.9–.06 39.57N 28.84E 2 3.6L
THE XI 29 18 10 04.7 39.65N 28.81E 28–45 3.5L
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=6.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=26.7.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=39.0.
THE Event type ke. Error ellipse: s-maj=47.3km s-min=3.5km az=95.0.
ISC XI 29 18 50 50.8–.37 39.01N–.02 42.70E–.03 10 53 0-3
ISCJB XI 29 18 50 50.1–.39 38.99N–.02 42.73E–.04 10 ¶12075277
CSEM XI 29 18 50 50.7–.21 39.02N 42.68E 2 3.0
DDA XI 29 18 50 50.5 39.01N 42.74E 7–5 3.0
ISK XI 29 18 50 50.5 39.07N 42.72E 5 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=177.7.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=72.0.
ISC XI 30 00 23 56.9–.57 39.55N–.03 28.83E–.04 1–17 36 0-2
ISCJB XI 30 00 23 56.3–.54 39.55N–.03 28.81E–.04 10 ¶12075294
CSEM XI 30 00 23 56.5–.15 39.53N 28.83E 2 2.6
ISK XI 30 00 23 56.6 39.56N 28.78E 7 2.6
DDA XI 30 00 23 58.7 39.44N 28.53E 7–3 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=41.8.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=46.0.
ISC XI 30 03 32 38.0–.41 39.06N–.03 29.75E–.03 10 72 0-2
ISCJB XI 30 03 32 37.5–.42 39.05N–.02 29.74E–.03 10 ¶12075307
CSEM XI 30 03 32 37.6–.15 39.05N 29.77E 2 2.9
ISK XI 30 03 32 37.5 39.02N 29.74E 5 2.8
DDA XI 30 03 32 38.6 39.09N 29.64E 6–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=148.2.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=159.0.
ISC XI 30 09 58 58.3–.51 37.92N–.02 27.09E–.05 7–6 52 0-3
ISCJB XI 30 09 58 57.7–.54 37.92N–.02 27.12E–.05 3–6 ¶12075324
ISK XI 30 09 58 57.7 37.92N 27.16E 6 2.9
CSEM XI 30 09 58 58.3–.15 37.91N 27.11E 10 2.9
DDA XI 30 09 58 58.6 37.96N 27.10E 7–4 3.0
ATH XI 30 09 58 58.8 37.90N 27.04E 12 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.7km az=1.5.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=88.0.
ISC XI 30 12 26 47.4–.91 37.05N–.06 28.36E–.04 10–11 26 0-1
ISK XI 30 12 26 45.9 37.03N 28.42E 5 2.1L ¶12075328
ISCJB XI 30 12 26 46.5–.93 37.05N–.06 28.37E–.04 14–10 2.1L
CSEM XI 30 12 26 46.6–.24 37.04N 28.41E 8 2.1L
DDA XI 30 12 26 46.4 37.05N 28.32E 7–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=5.1km az=168.5.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.2km az=166.0.
ISK XI 30 12 57 50.9 39.55N 27.82E 7 2.7
CSEM XI 30 12 57 51.4–.20 39.55N 27.86E 8 2.7 ¶12075333
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.3km az=101.0.
ISC XI 30 13 58 42.3–.37 40.62N–.02 29.01E–.03 8–4 62 0-1
ISCJB XI 30 13 58 42.0–.38 40.63N–.02 29.01E–.03 5–4 ¶12075342
DDA XI 30 13 58 41.9 40.61N 29.01E 14–1 2.4
ISK XI 30 13 58 41.6 40.60N 29.03E 8 2.8
CSEM XI 30 13 58 42.1–.09 40.62N 29.01E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.8km az=18.9.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=15.0.
ISC XI 30 14 46 27.8–.55 37.41N–.03 36.82E–.04 9–6 32 0-2
DDA XI 30 14 46 26.3 37.44N 36.76E 7–5 2.8 ¶12075346
ISCJB XI 30 14 46 27.5–.56 37.40N–.03 36.81E–.04 9–5 2.8
CSEM XI 30 14 46 27.2–.25 37.42N 36.77E 5 1.6L
ISK XI 30 14 46 27.1 37.40N 36.83E 7 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.0km az=28.3.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=120.0.
ISK XI 30 18 24 36.0 39.55N 28.76E 8 2.5
CSEM XI 30 18 24 36.0 39.55N 28.76E 8 2.5 ¶12075354
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC XII 01 03 49 23.3–.37 39.55N–.02 28.84E–.02 2–4 107 0-3
ISK XII 01 03 49 22.4 39.56N 28.82E 2 2.9 ¶12864859
DDA XII 01 03 49 22.5 39.56N 28.84E 7–5 3.0
ISCJB XII 01 03 49 23.5–.26 39.54N–.02 28.82E–.02 10 3.0
CSEM XII 01 03 49 23.3–.06 39.56N 28.85E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=15.2.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=147.0.
ISC XII 01 10 11 13.1–1.1 36.92N–.05 31.37E–.04 13–8 24 1-3
DDA XII 01 10 11 02.2 36.98N 31.70E 4–7 3.2 ¶12864857
ISCJB XII 01 10 11 13.8–.84 36.92N–.06 31.38E–.04 24–11 3.2
CSEM XII 01 10 11 13.8 36.94N 31.32E 16 2.9
ISK XII 01 10 11 13.8 36.94N 31.32E 16 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.8km az=0.4.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC XII 01 18 03 21.9–.51 39.73N–.03 38.83E–.04 10–5 38 0-2
ISCJB XII 01 18 03 21.3–.54 39.73N–.03 38.84E–.04 6–6 ¶12864850
DDA XII 01 18 03 21.9 39.70N 38.72E 7–1 2.9
CSEM XII 01 18 03 21.7–.24 39.73N 38.82E 10 2.8
ISK XII 01 18 03 24.2 39.73N 39.05E 30 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=172.7.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.9km az=105.0.
ISK XII 01 22 48 32.1 40.18N 31.68E 8 3.0
¶12864844
ISC XII 01 22 54 29.3–.23 39.96N–.02 39.10E–.02 10 137 0-5
ISK XII 01 22 54 27.6 39.96N 39.13E 4 3.6 ¶12864842
DDA XII 01 22 54 27.7 39.95N 39.09E 15–1 3.6
ISCJB XII 01 22 54 28.5–.23 39.97N–.02 39.10E–.02 10 3.6
CSEM XII 01 22 54 28.4–.10 39.98N 39.11E 2 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=164.6.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=156.0.
ISC XII 02 00 06 50.0–.47 37.03N–.03 27.92E–.04 13–5 40 0-2
ISCJB XII 02 00 06 49.6–.55 37.02N–.03 27.92E–.04 7–5 ¶12864903
CSEM XII 02 00 06 49.7–.17 37.02N 27.93E 12 2.7
ISK XII 02 00 06 49.0 37.03N 27.95E 15 2.7
DDA XII 02 00 06 49.6 37.03N 27.93E 7–3 3.0
THE XII 02 00 06 50.5 37.00N 27.90E 13–38 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=24.4.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=120.0.
THE Event type ke. Error ellipse: s-maj=41.7km s-min=2.0km az=336.0.
ISC XII 02 10 03 12.3–.51 39.11N–.02 27.51E–.04 9–4 57 0-2
ISK XII 02 10 03 10.8 39.11N 27.48E 2 3.0 ¶12864892
ISCJB XII 02 10 03 11.9–.51 39.11N–.02 27.51E–.04 7–4 3.0
CSEM XII 02 10 03 12.1–.16 39.10N 27.53E 8–1 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.6km az=162.5.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=77.0.
ISC XII 02 10 10 18.9–.59 37.45N–.06 38.18E–.05 5–5 26 0-1
ISK XII 02 10 10 17.9 37.42N 38.22E 22 2.8 ¶12864891
ISCJB XII 02 10 10 18.5–.55 37.47N–.06 38.20E–.04 10 2.8
DDA XII 02 10 10 18.3 37.44N 38.19E 6–5 2.8
CSEM XII 02 10 10 18.6–.22 37.47N 38.19E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=3.8km az=163.4.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.7km az=154.0.
ISC XII 02 10 18 46.5–1.1 37.23N–.06 28.20E–.05 12–13 22 0-1
ISCJB XII 02 10 18 46.4–.68 37.23N–.08 28.19E–.06 9–9 ¶12864890
ISK XII 02 10 18 46.0 37.25N 28.19E 6 2.5
CSEM XII 02 10 18 46.5–.15 37.23N 28.20E 10 2.5
DDA XII 02 10 18 46.3 37.23N 28.16E 7–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=6.3km az=19.1.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=27.0.
ISC XII 02 10 35 31.4–.31 39.97N–.02 28.17E–.03 10–3 108 0-2
ISK XII 02 10 35 30.8 39.98N 28.18E 8 2.7 ¶12864888
DDA XII 02 10 35 30.3 39.98N 28.17E 22–2 2.8
ISCJB XII 02 10 35 31.1–.32 39.98N–.02 28.17E–.03 9–3 2.8
CSEM XII 02 10 35 31.3–.08 39.97N 28.18E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=148.5.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=58.0.
ISC XII 02 10 56 21.3–.86 39.37N–.06 28.13E–.05 11–8 28 0-1
ISCJB XII 02 10 56 20.8–.92 39.36N–.06 28.12E–.05 5–9 ¶12864885
CSEM XII 02 10 56 21.1–.33 39.38N 28.13E 10 2.5
ISK XII 02 10 56 21.0 39.38N 28.13E 8 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.3km az=18.6.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.6km az=33.0.
ISC XII 02 13 27 20.3–.35 40.29N–.03 29.08E–.03 17–3 85 0-2
ISCJB XII 02 13 27 20.0–.35 40.29N–.03 29.09E–.03 14–3 ¶12864882
DDA XII 02 13 27 19.3 40.23N 29.10E 5–3 2.8
ISK XII 02 13 27 19.5 40.26N 29.08E 18 2.7
CSEM XII 02 13 27 20.0–.11 40.27N 29.08E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=11.2.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=157.0.
ISC XII 02 13 48 29.5–.77 38.69N–.06 35.78E–.04 1–10 29 0-3
ISCJB XII 02 13 48 29.3–.69 38.71N–.06 35.75E–.04 3–10 ¶12864881
CSEM XII 02 13 48 29.0–.27 38.70N 35.77E 2 3.0
ISK XII 02 13 48 29.5 38.74N 35.75E 10 3.0
DDA XII 02 13 48 29.9 38.79N 35.71E 7–5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.0km az=12.4.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.4km az=21.0.
ISC XII 02 18 45 43.2–.47 38.19N–.03 38.65E–.03 3–6 52 0-2
ISCJB XII 02 18 45 42.9–.41 38.21N–.03 38.64E–.03 10 ¶12864876
ISK XII 02 18 45 42.8 38.24N 38.65E 7 3.0
DDA XII 02 18 45 42.8 38.20N 38.61E 4–5 2.9
CSEM XII 02 18 45 43.2–.21 38.21N 38.63E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=163.9.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=164.0.
ISC XII 02 23 14 13.9–.94 37.12N–.03 32.73E–.04 3–8 83 0-4
DDA XII 02 23 14 12.6 37.14N 32.73E 7–3 3.9L,3.7 ¶12864874
ISCJB XII 02 23 14 13.4–.90 37.13N–.03 32.72E–.04 5–8 3.9L,3.7
CSEM XII 02 23 14 13.7–.10 37.12N 32.72E 2 3.7,3.7
ISK XII 02 23 14 13.0 37.11N 32.71E 6 3.7,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.6km az=163.1.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=15.0.
ISC XII 02 23 37 29.1–.49 39.88N–.03 39.16E–.04 13–5 44 0-2
CSEM XII 02 23 37 28.9–.21 39.89N 39.15E 10 3.0 ¶12864873
ISCJB XII 02 23 37 29.0–.66 39.88N–.03 39.19E–.05 13–7 3.0
DDA XII 02 23 37 29.1 39.86N 39.09E 7–2 3.0
ISK XII 02 23 37 29.1 39.89N 39.26E 23 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=8.9.
ISC XII 02 23 58 25.2–.80 40.92N–.06 38.40E–.04 10–6 26 0-2
CSEM XII 02 23 58 24.8–.53 40.93N 38.40E 8 2.8 ¶12864872
DDA XII 02 23 58 24.8 40.90N 38.41E 7–2 2.8
ISCJB XII 02 23 58 25.2–.64 40.88N–.05 38.41E–.04 6–7 2.8
ISK XII 02 23 58 25.3 41.13N 38.73E 17 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.6km s-min=7.7km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.2km az=177.2.
ISC XII 03 01 34 39.7–.46 40.89N–.03 42.33E–.03 7–7 39 0-2
ISCJB XII 03 01 34 38.8–.56 40.91N–.03 42.35E–.03 1–7 ¶12864917
ISK XII 03 01 34 39.0 40.94N 42.36E 9 2.9
DDA XII 03 01 34 39.0 40.90N 42.32E 7–1 2.9
TIF XII 03 01 34 39.3 40.81N 42.40E 10–1 2.9
CSEM XII 03 01 34 39.4–.30 40.88N 42.31E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=173.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.9km az=37.0.
ISC XII 03 05 32 37.3–.73 37.94N–.03 30.98E–.05 11–6 52 1-2
ISK XII 03 05 32 36.2 37.94N 30.98E 9 2.8 ¶12864916
ISCJB XII 03 05 32 37.2–.43 37.95N–.03 30.97E–.04 10 2.8
DDA XII 03 05 32 37.2 37.97N 30.92E 10–2 2.9
CSEM XII 03 05 32 37.0–.14 37.95N 30.98E 12 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=35.6.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=118.0.
ISC XII 03 14 16 27.1–.55 40.62N–.04 30.34E–.04 14–4 38 0-2
ISCJB XII 03 14 16 26.9–.53 40.61N–.04 30.34E–.04 13–4 ¶12864908
ISK XII 03 14 16 26.5 40.59N 30.36E 14 2.5
CSEM XII 03 14 16 26.9–.19 40.61N 30.35E 15 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=163.1.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=170.0.
ISC XII 03 14 48 48.5–.86 38.67N–.06 35.92E–.05 5–13 20 0-2
CSEM XII 03 14 48 47.8–.26 38.66N 35.93E 2 2.5 ¶12864906
ISCJB XII 03 14 48 48.3–.72 38.70N–.05 35.94E–.05 10 2.5
ISK XII 03 14 48 48.6 38.70N 35.86E 10 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.7km az=26.3.
ISC XII 04 03 55 57.3–.36 39.64N–.02 38.48E–.04 10 62 0-2
ISK XII 04 03 55 55.7 39.62N 38.50E 5 3.0 ¶12864926
DDA XII 04 03 55 55.1 39.64N 38.55E 6–5 2.9
CSEM XII 04 03 55 56.5–.21 39.65N 38.48E 2 2.9
ISCJB XII 04 03 55 57.1–.36 39.65N–.02 38.49E–.03 10 2.9
ISC Event type ke.
CSEM Event type ke.

ISCJB Event type ke.
ISC XII 04 04 12 27.8–.62 38.65N–.04 31.05E–.03 8–5 28 0-1
ISCJB XII 04 04 12 27.4–.66 38.65N–.04 31.07E–.03 2–8 ¶12864925
CSEM XII 04 04 12 27.3–.22 38.65N 31.05E 2 2.7
DDA XII 04 04 12 27.5 38.71N 31.09E 10–2 2.8
ISK XII 04 04 12 27.0 38.66N 31.05E 6 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.2km az=5.3.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=5.0.
ISC XII 04 12 30 42.8–.43 40.67N–.02 32.79E–.03 8–4 79 1-3
DDA XII 04 12 30 41.8 40.70N 32.82E 11–4 3.6L,3.4 ¶12864922
ISCJB XII 04 12 30 42.2–.50 40.67N–.03 32.81E–.03 4–4 3.6L,3.4
CSEM XII 04 12 30 42.3–.14 40.67N 32.79E 5 3.6L,3.4
ISK XII 04 12 30 42.0 40.65N 32.80E 5 3.1,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=159.5.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=152.0.
ISC XII 04 16 43 43.0–1.0 38.45N–.05 39.07E–.04 12–9 22 0-1
ISK XII 04 16 43 41.7 38.44N 39.12E 24 2.5 ¶12864921
CSEM XII 04 16 43 42.6–.16 38.45N 39.09E 15 2.5
ISCJB XII 04 16 43 43.0–.70 38.45N–.05 39.07E–.05 10–5 2.5
DDA XII 04 16 43 43.3 38.46N 39.02E 11–0 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=6.2km az=167.6.
ISC XII 04 23 01 18.4–.45 40.77N–.03 30.72E–.03 10–4 66 0-2
ISK XII 04 23 01 16.6 40.83N 30.77E 5 2.9 ¶12864919
CSEM XII 04 23 01 17.9–.15 40.79N 30.74E 10 3.1
ISCJB XII 04 23 01 18.1–.48 40.76N–.03 30.71E–.03 7–4 3.1
DDA XII 04 23 01 18.2 40.73N 30.75E 7–1 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=0.1.
ISC XII 05 05 22 02.3–.49 39.17N–.03 29.46E–.03 2–5 82 0-2
DDA XII 05 05 22 01.5 39.18N 29.47E 8–1 3.0 ¶12864944
ISK XII 05 05 22 01.6 39.15N 29.43E 5 2.9
ISCJB XII 05 05 22 02.5–.33 39.14N–.02 29.46E–.03 10 2.9
CSEM XII 05 05 22 02.0–.14 39.16N 29.46E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=140.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=170.0.
ISC XII 05 07 50 14.8–.88 38.67N–.04 39.15E–.06 14–9 24 0-1
ISK XII 05 07 50 12.8 38.64N 39.34E 32 2.6 ¶12864939
ISCJB XII 05 07 50 14.8–.65 38.67N–.04 39.14E–.07 9–10 2.6
DDA XII 05 07 50 14.6 38.67N 39.12E 7–1 2.5
CSEM XII 05 07 50 14.4–.20 38.67N 39.15E 10 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.5km az=31.1.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=122.0.
ISC XII 05 08 34 09.1–.35 37.37N–.01 27.04E–.02 10–2 3.7b 239 0-42
IDC XII 05 08 34 08.6–1.3 37.07N 27.18E 0 3.8b,3.8 ¶12075860
ATH XII 05 08 34 08.5 37.40N 27.05E 26–1 3.5,3.8
NEIC XII 05 08 34 08.0 37.38N 27.03E 10 3.6L,3.8
ISK XII 05 08 34 08.1 37.39N 27.03E 9 3.7L,3.8
ISCJB XII 05 08 34 08.2–.42 37.37N–.02 27.03E–.02 10–3 3.7b,3.8
THE XII 05 08 34 09.6 37.38N 27.04E 3–3 3.7L,3.8
CSEM XII 05 08 34 09.0–.10 37.36N 27.04E 10 3.5,3.8
DDA XII 05 08 34 09.7 37.47N 27.15E 33–0 3.5,3.8
HLW XII 05 08 34 26.1 36.48N 27.65E 27–11 3.8,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=21.4km az=137.0.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=0.5.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.6km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=79.0.
ISC XII 05 10 03 04.4–.58 37.21N–.04 28.18E–.04 9–7 26 0-2
ISK XII 05 10 03 03.8 37.24N 28.16E 8 2.5 ¶12864937
DDA XII 05 10 03 03.8 37.22N 28.17E 7–2 2.6
ISCJB XII 05 10 03 04.1–.57 37.21N–.05 28.16E–.04 9–7 2.6
CSEM XII 05 10 03 04.2–.16 37.20N 28.18E 8 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.0km az=28.3.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=18.0.
ISC XII 05 11 26 32.2–.59 41.53N–.03 33.90E–.04 4–9 37 0-2
ISCJB XII 05 11 26 31.8–.56 41.54N–.03 33.89E–.05 10 ¶12864936
CSEM XII 05 11 26 31.8–.26 41.53N 33.92E 2 2.4
ISK XII 05 11 26 31.6 41.52N 33.96E 9 2.8
DDA XII 05 11 26 31.6 41.51N 33.89E 2–1 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=17.6.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=5.1km az=138.0.
ISC XII 05 12 35 59.1–.55 37.39N–.03 27.08E–.05 11–6 43 0-2
ISCJB XII 05 12 35 58.7–.62 37.39N–.03 27.08E–.05 9–6 ¶12864934
ISK XII 05 12 35 58.2 37.40N 27.08E 7 2.8
CSEM XII 05 12 35 59.2–.21 37.39N 27.13E 19–0 2.8
DDA XII 05 12 35 60.0 37.46N 27.13E 7–3 2.8
ATH XII 05 12 36 00.4 37.43N 26.97E 19–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=161.2.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=49.0.
ATH Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
ISC XII 05 13 04 54.4–.90 37.15N–.03 32.67E–.09 3–11 28 0-2
DDA XII 05 13 04 52.8 37.15N 32.74E 7–7 2.9 ¶12864932
ISCJB XII 05 13 04 54.5–.54 37.15N–.03 32.62E–.06 10 2.9
ISK XII 05 13 04 54.0 37.16N 32.60E 6 2.9
CSEM XII 05 13 04 54.2–.11 37.15N 32.67E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.8km az=0.2.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.9km az=91.0.
ISC XII 05 14 11 39.0–.63 40.79N–.04 39.49E–.05 10 12 0-1
¶15698465
ISC XII 05 21 10 00.3–.47 37.01N–.03 28.04E–.03 11–3 93 0-3
ATH XII 05 21 09 58.3 37.09N 28.22E 28–2 3.4 ¶11493351
ISK XII 05 21 09 59.6 37.04N 28.05E 12 3.1
ISCJB XII 05 21 09 59.9–.50 37.01N–.02 28.04E–.03 8–4 3.1
NEIC XII 05 21 09 59.6 37.04N 28.04E 13 3.1
DDA XII 05 21 09 59.2 37.02N 27.99E 7–6 3.0
CSEM XII 05 21 09 59.9–.14 37.01N 28.05E 10 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=4.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=145.6.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=155.0.
ISC XII 05 22 34 22.5–.47 37.38N–.03 35.86E–.04 24–4 44 0-2
ISK XII 05 22 34 21.0 37.34N 35.77E 30 2.8 ¶12864949
ISCJB XII 05 22 34 22.4–.46 37.40N–.03 35.87E–.04 26–4 2.8
DDA XII 05 22 34 22.3 37.40N 35.92E 7–5 3.1
CSEM XII 05 22 34 22.1–.36 37.37N 35.84E 26–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=5.1km az=34.5.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=8.1km az=125.0.
ISC XII 05 22 46 53.2–.67 38.47N–.03 43.68E–.06 12–6 32 0-1
DDA XII 05 22 46 51.9 38.50N 43.69E 7–6 2.9 ¶12864948
ISK XII 05 22 46 51.9 38.47N 43.71E 5 2.9
ISCJB XII 05 22 46 52.9–.75 38.47N–.03 43.69E–.06 9–6 2.9
CSEM XII 05 22 46 52.5–.34 38.48N 43.71E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.2km az=6.7.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.1km az=84.0.
ISC XII 05 23 19 18.2–.46 37.11N–.02 36.93E–.03 4–5 54 0-3
ISCJB XII 05 23 19 17.6–.60 37.11N–.02 36.93E–.03 0–6 ¶12864947
ISK XII 05 23 19 17.3 37.13N 36.97E 3 3.2
DDA XII 05 23 19 17.5 37.10N 36.91E 7–6 3.3
CSEM XII 05 23 19 18.1–.14 37.11N 36.96E 5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=11.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=148.0.
ISC XII 06 03 35 04.3–.54 39.82N–.03 39.05E–.04 8–7 30 0-1
ISCJB XII 06 03 35 03.8–.59 39.82N–.03 39.03E–.04 2–8 ¶12864977
ISK XII 06 03 35 03.9 39.83N 39.09E 13 2.8
DDA XII 06 03 35 03.1 39.82N 39.08E 8–3 2.8
CSEM XII 06 03 35 03.9–.09 39.82N 39.05E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=22.4.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=108.0.
ISC XII 06 07 51 26.1–.29 40.42N–.02 28.95E–.02 7–2 144 0-4
ISCJB XII 06 07 51 25.7–.30 40.43N–.02 28.95E–.02 7–2 ¶12864975
CSEM XII 06 07 51 25.8–.08 40.41N 28.95E 5 3.2
DDA XII 06 07 51 25.5 40.40N 28.95E 11–2 3.6L,3.3
ISK XII 06 07 51 25.5 40.41N 28.95E 8 3.2,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=178.4.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=176.0.
ISC XII 06 08 09 55.1–.49 40.41N–.03 28.94E–.05 6–7 34 0-1
ISK XII 06 08 09 53.9 40.40N 28.95E 13 2.1 ¶12864974
ISCJB XII 06 08 09 54.9–.54 40.40N–.03 28.94E–.04 1–8 2.1
CSEM XII 06 08 09 54.8–.10 40.41N 28.94E 8 2.1
DDA XII 06 08 09 54.3 40.40N 28.94E 7–2 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=140.8.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=134.0.
ISC XII 06 10 02 01.5–.57 39.61N–.03 28.75E–.05 7–8 42 0-2
DDA XII 06 10 02 00.4 39.62N 28.77E 7–4 2.8 ¶12864972
ISCJB XII 06 10 02 01.1–.61 39.62N–.03 28.75E–.05 4–6 2.8
ISK XII 06 10 02 01.6 39.65N 28.69E 7 2.7
CSEM XII 06 10 02 01.4–.13 39.61N 28.73E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=0.7.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=101.0.
ISC XII 06 10 04 12.7–.61 37.25N–.04 28.21E–.04 11–8 30 0-1
ISK XII 06 10 04 11.8 37.28N 28.20E 5 2.5 ¶12864971
ISCJB XII 06 10 04 12.5–.56 37.25N–.04 28.20E–.04 7–8 2.5
DDA XII 06 10 04 12.3 37.24N 28.19E 7–3 2.5
CSEM XII 06 10 04 12.5–.13 37.23N 28.21E 10 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.0km az=28.4.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=18.0.
DDA XII 06 10 56 23.6 38.26N 38.11E 7–1 2.9
CSEM XII 06 10 56 22.5–.15 38.49N 38.05E 2 2.7 ¶12864969
ISK XII 06 10 56 23.6 38.45N 38.17E 15 2.7
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=168.0.
ISC XII 06 12 30 30.1–.49 38.49N–.03 39.19E–.03 4–5 51 0-2
ISCJB XII 06 12 30 29.9–.54 38.49N–.03 39.18E–.03 6–4 ¶12864967
ISK XII 06 12 30 29.0 38.50N 39.19E 5 3.0
DDA XII 06 12 30 29.8 38.46N 39.18E 7–4 3.1
CSEM XII 06 12 30 29.7–.30 38.51N 39.19E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=14.6.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=6.4km az=172.0.
ISC XII 06 13 25 12.8–.79 39.82N–.06 40.67E–.04 14–4 31 0-2
DDA XII 06 13 25 11.5 39.82N 40.75E 5–6 2.9 ¶12864965
ISCJB XII 06 13 25 12.3–.81 39.81N–.05 40.66E–.04 12–5 2.9
ISK XII 06 13 25 12.6 39.85N 40.65E 9 2.9
CSEM XII 06 13 25 13.0–.35 39.88N 40.64E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.4km az=8.4.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.2km az=169.0.
ISC XII 06 14 36 57.3–.58 39.59N–.04 28.90E–.04 5–8 44 0-2
ISCJB XII 06 14 36 56.8–.59 39.60N–.04 28.91E–.04 1–8 ¶12864963
ISK XII 06 14 36 56.9 39.60N 28.86E 4 2.9
CSEM XII 06 14 36 57.2–.17 39.59N 28.90E 5 2.9
DDA XII 06 14 36 57.0 39.63N 28.87E 7–5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.0km az=12.1.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=57.0.
ISC XII 06 16 24 00.2–.44 39.62N–.03 43.72E–.03 7–4 50 0-3
ISCJB XII 06 16 23 59.3–.44 39.61N–.03 43.71E–.03 12–5 ¶12864962
ISK XII 06 16 23 59.1 39.58N 43.71E 11 3.0
DDA XII 06 16 23 59.8 39.64N 43.73E 12–1 3.0
CSEM XII 06 16 23 59.4–.27 39.62N 43.76E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=155.9.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.0km az=90.0.
ISC XII 06 17 40 25.5–.59 40.16N–.04 31.77E–.05 15–8 32 0-2
DDA XII 06 17 40 23.9 40.07N 31.85E 7–3 2.9 ¶12864961
ISCJB XII 06 17 40 25.0–.59 40.15N–.04 31.78E–.05 9–7 2.9
ISK XII 06 17 40 24.8 40.17N 31.77E 14 2.9
CSEM XII 06 17 40 25.0–.21 40.16N 31.77E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=6.0km az=33.7.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.3km az=150.0.
ISC XII 06 18 12 30.0–.45 39.54N–.03 28.80E–.04 11–5 50 0-2
ISCJB XII 06 18 12 29.6–.53 39.56N–.03 28.82E–.04 9–5 ¶12864960
CSEM XII 06 18 12 29.9–.14 39.54N 28.80E 10 2.4
ISK XII 06 18 12 30.0 39.56N 28.72E 14 2.4
DDA XII 06 18 12 31.3 39.55N 28.84E 18–0 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=145.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=67.0.
ISC XII 06 19 02 34.5–.56 36.81N–.03 29.16E–.03 9–4 3.2b 131 0-40
IDC XII 06 19 02 33.9–1.6 36.76N 29.06E 0 3.3b,3.2 ¶12076052
NEIC XII 06 19 02 34.7–1.1 36.63N 29.18E 10 3.3b,3.2
CSEM XII 06 19 02 34.0–.14 36.82N 29.16E 2 2.9L,3.2
ISK XII 06 19 02 34.6 36.89N 29.19E 10 2.9L,3.2
ISCJB XII 06 19 02 34.6–.57 36.80N–.03 29.16E–.03 17–6 3.2b,3.2
DDA XII 06 19 02 35.9 36.85N 29.20E 16–0 3.3,3.2
ATH XII 06 19 02 36.2 36.72N 29.04E 33–1 3.5,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=37.3km s-min=23.5km az=138.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=9.1km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=159.8.
ATH Error ellipse: s-maj=1.0km s-min=0.6km az=-1.0.
ISC XII 06 19 09 29.2–.52 37.91N–.03 27.18E–.04 11–5 40 0-2
ISK XII 06 19 09 25.8 37.82N 27.03E 9 2.3 ¶12864958
DDA XII 06 19 09 28.8 37.93N 27.12E 7–4 2.9
CSEM XII 06 19 09 28.9–.37 37.85N 27.16E 20 2.9
ISCJB XII 06 19 09 29.2–.52 37.84N–.04 27.20E–.04 18–7 2.9
ATH XII 06 19 09 29.0 37.90N 27.19E 11 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=7.8km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.6km az=155.1.
ATH Error ellipse: s-maj=2.3km s-min=3.2km az=-1.0.
ISC XII 06 19 57 01.0–.41 38.60N–.03 27.00E–.03 13–4 66 0-2
ISCJB XII 06 19 57 00.6–.64 38.62N–.03 27.00E–.03 9–5 ¶12864955
DDA XII 06 19 57 00.4 38.62N 27.03E 7–4 3.0
CSEM XII 06 19 57 00.8–.12 38.60N 27.00E 12 3.0
ISK XII 06 19 57 00.2 38.62N 27.00E 11 3.0
ATH XII 06 19 57 01.3 38.58N 26.86E 55–10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.9km az=149.1.

CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=116.0.
ATH Error ellipse: s-maj=0.9km s-min=3.2km az=-1.0.
ISC XII 06 20 18 46.6–.90 38.62N–.05 39.55E–.07 23–9 20 0-1
ISK XII 06 20 18 45.9 38.63N 39.51E 21 2.5 ¶12864954
ISCJB XII 06 20 18 46.6–.99 38.63N–.05 39.56E–.08 22–12 2.5
DDA XII 06 20 18 46.9 38.64N 39.50E 7–6 2.8
CSEM XII 06 20 18 46.9–.39 38.64N 39.43E 20 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=8.0km az=15.8.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=8.6km az=110.0.
ISC XII 07 04 18 29.9–.86 38.41N–.04 39.32E–.05 9–8 22 0-1
ISCJB XII 07 04 18 29.6–.67 38.42N–.04 39.34E–.05 8–5 ¶12864995
CSEM XII 07 04 18 29.4–.27 38.42N 39.31E 10 2.6
DDA XII 07 04 18 29.3 38.40N 39.31E 7–4 2.6
ISK XII 07 04 18 29.4 38.43N 39.35E 5 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.2km az=27.6.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.7km az=19.0.
ISC XII 07 08 50 31.6–2.1 38.31N–.09 39.0E–.10 16–7 18 0-1
CSEM XII 07 08 50 31.8–.51 38.34N 39.00E 12 2.7 ¶14259875
DDA XII 07 08 50 32.1 38.33N 38.96E 7–3 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.7km s-min=5.0km az=145.0.
ISC XII 07 14 29 54.7–.58 37.39N–.03 27.10E–.05 4–8 34 0-2
ISK XII 07 14 29 53.6 37.38N 27.09E 5 2.9 ¶12864989
ISCJB XII 07 14 29 54.6–.47 37.39N–.03 27.14E–.04 10 2.9
CSEM XII 07 14 29 54.4–.11 37.38N 27.10E 5 2.9
ATH XII 07 14 29 55.0 37.38N 27.08E 4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=41.6.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=46.0.
ATH Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0.
ISC XII 07 16 37 51.9–.55 38.42N–.03 39.28E–.03 1–6 43 0-2
ISK XII 07 16 37 51.0 38.43N 39.25E 5 3.1 ¶12864986
DDA XII 07 16 37 51.3 38.40N 39.28E 7–4 3.2
CSEM XII 07 16 37 51.6–.25 38.42N 39.26E 0–4 3.1
ISCJB XII 07 16 37 52.0–.41 38.43N–.03 39.27E–.03 10 3.1
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 07 22 40 53.4–.44 40.84N–.03 28.79E–.05 9–6 42 0-1
DDA XII 07 22 40 52.8 40.83N 28.72E 7–4 2.6 ¶12864981
ISK XII 07 22 40 52.9 40.84N 28.84E 9 2.7
ISCJB XII 07 22 40 53.1–.44 40.84N–.03 28.78E–.05 6–8 2.7
CSEM XII 07 22 40 53.3–.14 40.85N 28.83E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=160.7.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=80.0.
ISC XII 08 01 28 03.5–.44 39.01N–.03 41.11E–.04 9–4 41 0-2
DDA XII 08 01 28 02.4 39.02N 41.15E 11–1 2.9 ¶12865016
CSEM XII 08 01 28 02.2–.31 38.98N 41.07E 2 2.9
ISCJB XII 08 01 28 03.4–.46 39.02N–.03 41.11E–.04 8–4 2.9
ISK XII 08 01 28 03.0 39.00N 41.10E 11 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=4.9km az=144.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=34.8.
ISC XII 08 01 57 18.3–.66 39.50N–.03 37.47E–.05 6–6 40 0-3
ISCJB XII 08 01 57 18.5–.58 39.50N–.03 37.46E–.05 10 ¶12865015
DDA XII 08 01 57 18.2 39.53N 37.56E 7–2 2.8
CSEM XII 08 01 57 18.1–.33 39.44N 37.43E 8 2.8
ISK XII 08 01 57 20.7 39.11N 37.37E 13 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.1km az=148.2.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=6.8km az=47.0.
ISC XII 08 02 24 56.3–.51 39.02N–.03 41.05E–.04 9–4 25 0-2
CSEM XII 08 02 24 55.0–.50 38.94N 41.07E 10 3.0 ¶13402209
ISK XII 08 02 24 55.5 38.95N 41.15E 18 3.0
ISCJB XII 08 02 24 56.1–.54 39.03N–.03 41.03E–.04 7–5 3.0
DDA XII 08 02 24 56.2 39.05N 41.12E 7–3 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.6km s-min=6.8km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=137.1.
ISC XII 08 02 35 40.9–1.1 39.41N–.06 33.20E–.09 10–6 24 0-1
ISK XII 08 02 35 39.7 39.42N 33.19E 10 2.9 ¶12865013
ISCJB XII 08 02 35 40.8–.97 39.42N–.04 33.20E–.08 10 2.9
CSEM XII 08 02 35 40.1–.23 39.43N 33.22E 8 2.9
DDA XII 08 02 35 42.2 39.47N 32.96E 7–1 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.8km az=6.2.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.4km az=113.0.
ISK XII 08 02 41 35.7 39.42N 33.00E 10 2.7
CSEM XII 08 02 41 37.0–.51 39.48N 33.10E 10 2.7 ¶12865012
DDA XII 08 02 41 38.5 39.50N 33.00E 6–4 2.8
CSEM Event type ke. Error ellipse: s-maj=18.9km s-min=12.2km az=103.0.
ISC XII 08 04 44 20.8–1.9 41.29N–.08 31.20E–.07 1–12 31 1-2
DDA XII 08 04 44 22.0 41.15N 31.34E 7–2 2.8 ¶12865011
CSEM XII 08 04 44 30.7–.72 40.77N 30.75E 26–4 2.5
ISK XII 08 04 44 31.2 40.71N 30.75E 27 2.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=19.5km s-min=9.3km az=172.0.
DDA XII 08 04 50 39.1 39.03N 38.35E 7–1 2.8
ISK XII 08 04 50 36.5 39.07N 38.29E 6 2.7 ¶12865010
CSEM XII 08 04 50 38.2–.38 39.04N 38.37E 15 2.8
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=5.4km az=122.0.
ISC XII 08 05 24 12.6–.73 37.00N–.05 29.14E–.05 15–6 48 0-2
ISK XII 08 05 24 11.9 37.04N 29.15E 18 3.2 ¶12865008
DDA XII 08 05 24 11.7 36.95N 29.19E 6–4 2.9
ISCJB XII 08 05 24 13.0–.61 37.02N–.05 29.17E–.05 22–7 2.9
CSEM XII 08 05 24 12.6–.25 37.05N 29.14E 15 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.4km az=29.9.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.2km az=5.0.
ISC XII 08 05 44 16.3–.65 37.13N–.04 40.79E–.06 10 28 0-5
DDA XII 08 05 43 50.8 36.38N 41.03E 8–5 3.1 ¶12865007
ISCJB XII 08 05 44 14.8–.65 37.09N–.04 40.80E–.06 10 3.1
ISK XII 08 05 44 19.6 36.90N 40.45E 25 3.3
CSEM XII 08 05 44 20.6–.31 36.79N 40.45E 40 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.8km az=140.7.
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=6.7km az=35.0.
ISC XII 08 09 35 16.3–.46 38.18N–.02 27.51E–.05 16–4 46 0-2
ISCJB XII 08 09 35 16.0–.50 38.18N–.02 27.52E–.05 12–5 ¶12865005
ISK XII 08 09 35 15.8 38.18N 27.54E 5 2.7
DDA XII 08 09 35 15.6 38.17N 27.53E 14–2 3.1
CSEM XII 08 09 35 16.2–.16 38.17N 27.52E 15 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.8km az=175.7.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=87.0.
ISC XII 08 14 59 40.8–.25 39.48N–.02 40.29E–.02 10 111 0-4
ISK XII 08 14 59 38.3 39.47N 40.28E 5 3.5 ¶12865003
DDA XII 08 14 59 39.8 39.54N 40.28E 15–2 3.5L
ISCJB XII 08 14 59 40.3–.25 39.47N–.02 40.28E–.02 10 3.5L
CSEM XII 08 14 59 40.0–.15 39.48N 40.29E 2 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=155.3.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=148.0.
ISC XII 08 20 57 48.2–.55 37.38N–.04 36.28E–.04 7–5 41 0-3
DDA XII 08 20 57 46.8 37.40N 36.28E 7–7 2.8 ¶12864998
ISCJB XII 08 20 57 47.8–.61 37.37N–.04 36.28E–.04 6–6 2.8
ISK XII 08 20 57 47.0 37.39N 36.28E 3 2.7
CSEM XII 08 20 57 47.9–.15 37.39N 36.28E 5 2.8

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=4.9.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=178.0.
ISC XII 08 22 55 50.2–.39 38.39N–.03 39.28E–.03 4–3 72 0-4
DDA XII 08 22 55 48.8 38.41N 39.30E 22–2 3.0 ¶12864997
ISCJB XII 08 22 55 49.8–.41 38.39N–.03 39.28E–.03 5–3 3.0
ISK XII 08 22 55 49.0 38.42N 39.24E 3 3.2
CSEM XII 08 22 55 50.1–.16 38.40N 39.24E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=14.3.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=168.0.
ISC XII 09 02 37 02.2–.43 38.37N–.03 39.02E–.03 3–5 58 0-2
ISCJB XII 09 02 37 01.8–.51 38.37N–.03 39.02E–.03 3–5 ¶12865037
ISK XII 09 02 37 01.0 38.42N 39.01E 5 2.8
DDA XII 09 02 37 01.5 38.40N 39.02E 14–2 2.9
CSEM XII 09 02 37 01.9–.20 38.39N 39.02E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=169.3.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=162.0.
ISC XII 09 14 04 59.0–.47 40.11N–.03 41.95E–.04 11–5 34 0-1
ISK XII 09 14 04 57.7 40.20N 41.95E 10 2.6 ¶12865029
ISCJB XII 09 14 04 58.6–.52 40.12N–.03 41.96E–.04 5–6 2.6
CSEM XII 09 14 04 58.0–.27 40.11N 41.93E 10 2.9
DDA XII 09 14 04 58.1 40.09N 41.96E 10–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.6km az=150.7.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=5.7km az=38.0.
ISK XII 09 18 42 51.0 39.17N 29.50E 12 2.4
CSEM XII 09 18 42 51.0 39.17N 29.50E 12 2.4 ¶12865023
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC XII 09 18 53 19.9–.32 39.98N–.02 27.64E–.03 10–3 98 0-2
DDA XII 09 18 53 18.7 40.00N 27.65E 16–2 3.0 ¶12865022
ISCJB XII 09 18 53 19.5–.33 39.98N–.02 27.64E–.03 7–3 3.0
CSEM XII 09 18 53 19.7–.10 39.96N 27.64E 10 2.9
ISK XII 09 18 53 19.3 39.96N 27.64E 9 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=156.6.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=56.0.
ISC XII 10 00 26 35.6–.80 39.48N–.04 33.17E–.05 7–6 43 0-2
ISK XII 10 00 26 33.8 39.51N 33.18E 5 3.1 ¶12865070
ISCJB XII 10 00 26 35.2–.84 39.48N–.04 33.18E–.05 5–6 3.1
DDA XII 10 00 26 35.9 39.49N 33.10E 4–0 2.8
CSEM XII 10 00 26 35.1–.16 39.49N 33.18E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.4km az=37.3.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=120.0.
ISC XII 10 00 31 12.2–1.0 39.98N–.05 40.05E–.06 27–13 20 0-1
CSEM XII 10 00 31 11.4–.43 39.94N 40.05E 20 2.8 ¶14259892
ISCJB XII 10 00 31 12.1–1.1 39.98N–.05 40.06E–.06 28–12 2.8
DDA XII 10 00 31 12.8 40.04N 40.03E 7–3 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.7km az=164.0.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=7.8km az=151.2.
ISC XII 10 04 07 05.3–.40 38.33N–.02 38.93E–.03 7–4 64 0-4
ISK XII 10 04 07 03.8 38.34N 38.92E 4 3.3 ¶12865066
ISCJB XII 10 04 07 04.7–.46 38.33N–.03 38.92E–.03 6–4 3.3
CSEM XII 10 04 07 04.8–.14 38.34N 38.91E 2 3.5L
DDA XII 10 04 07 05.0 38.34N 38.94E 15–0 3.5L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=155.2.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=149.0.
ISC XII 10 04 19 52.2–.56 38.35N–.04 38.92E–.03 1–5 39 0-3
ISCJB XII 10 04 19 51.7–.67 38.34N–.04 38.92E–.03 1–6 ¶12865065
CSEM XII 10 04 19 51.7–.29 38.33N 38.93E 2 3.1L
ISK XII 10 04 19 51.4 38.38N 38.91E 5 2.9
DDA XII 10 04 19 51.7 38.33N 38.94E 11–0 3.1L,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.7km az=154.4.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=4.9km az=149.0.
ISC XII 10 05 08 36.5–.59 38.39N–.04 39.03E–.04 1–8 26 0-2
ISK XII 10 05 08 35.1 38.46N 39.02E 5 2.7 ¶12865063
DDA XII 10 05 08 35.6 38.38N 39.10E 7–2 2.9
CSEM XII 10 05 08 35.7–.22 38.44N 39.05E 8–2 2.9
ISCJB XII 10 05 08 36.2–.55 38.42N–.04 39.02E–.04 10 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 10 06 24 32.2–.48 38.12N–.03 38.64E–.03 4–6 43 0-3
ISK XII 10 06 24 30.6 38.12N 38.66E 2 2.9 ¶12865061
ISCJB XII 10 06 24 31.9–.43 38.13N–.03 38.66E–.03 10 2.9
DDA XII 10 06 24 31.8 38.13N 38.63E 7–3 3.0
CSEM XII 10 06 24 31.7–.14 38.12N 38.66E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=157.8.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=152.0.
ISC XII 10 09 57 27.9–.71 36.87N–.08 33.32E–.04 11–9 25 1-2
ISCJB XII 10 09 57 27.0–.92 36.89N–.06 33.33E–.04 3–9 ¶12865057
ISK XII 10 09 57 26.9 36.91N 33.33E 7 3.0
CSEM XII 10 09 57 27.3–.22 36.91N 33.33E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=4.7km az=174.7.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=3.9km az=176.0.
ISC XII 10 12 45 40.9–.45 40.16N–.03 31.67E–.03 1–8 50 0-3
ISK XII 10 12 45 39.8 40.15N 31.71E 5 3.0 ¶12865053
ISCJB XII 10 12 45 40.4–.42 40.17N–.03 31.64E–.03 10 3.0
DDA XII 10 12 45 40.3 40.19N 31.63E 7–6 3.0
CSEM XII 10 12 45 40.9–.20 40.16N 31.68E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=11.8.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=18.0.
ISC XII 10 13 20 19.9–.50 38.48N–.03 39.47E–.03 3–5 54 0-3
ISK XII 10 13 20 18.8 38.52N 39.43E 5 3.0 ¶12865049
ISCJB XII 10 13 20 19.4–.53 38.48N–.03 39.48E–.03 2–5 3.0
DDA XII 10 13 20 19.0 38.48N 39.48E 7–5 3.0
CSEM XII 10 13 20 20.0–.24 38.49N 39.43E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.7km az=177.9.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=149.0.
ISC XII 10 14 22 27.0–.45 38.91N–.03 27.99E–.04 6–6 42 0-2
ISCJB XII 10 14 22 26.6–.56 38.91N–.03 27.99E–.04 2–7 ¶12865048
DDA XII 10 14 22 26.4 38.93N 27.98E 7–3 2.7
CSEM XII 10 14 22 26.8–.17 38.90N 27.99E 5 2.8
ISK XII 10 14 22 26.5 38.86N 27.98E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.6km az=164.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.5km az=101.0.
ISC XII 10 15 24 44.4–.57 38.04N–.03 43.26E–.07 8–7 30 0-2
DDA XII 10 15 24 43.0 38.02N 43.28E 7–2 2.8 ¶12865047
ISCJB XII 10 15 24 43.9–.55 38.03N–.03 43.26E–.07 9–7 2.8
ISK XII 10 15 24 43.6 38.05N 43.33E 8 3.0
CSEM XII 10 15 24 43.6–.23 38.05N 43.27E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.3km az=166.0.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=4.0km az=71.0.
ISC XII 10 19 34 50.9–.59 39.49N–.03 33.13E–.05 8–4 47 0-2
ISK XII 10 19 34 49.9 39.51N 33.14E 5 2.8 ¶12865043
DDA XII 10 19 34 49.5 39.48N 33.13E 14–2 2.8
ISCJB XII 10 19 34 50.5–.59 39.49N–.03 33.13E–.05 6–4 2.8
CSEM XII 10 19 34 50.2–.11 39.49N 33.13E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.3km az=31.3.

CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=109.0.
ISC XII 10 22 30 08.1–.75 37.50N–.03 27.22E–.07 7–5 34 0-2
ISCJB XII 10 22 30 07.6–.74 37.50N–.03 27.22E–.07 4–6 ¶12865042
ISK XII 10 22 30 07.2 37.51N 27.27E 6 2.4
CSEM XII 10 22 30 07.8–.20 37.50N 27.23E 5 2.7
DDA XII 10 22 30 08.8 37.55N 27.28E 7–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.6km az=171.1.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.7km az=80.0.
ISC XII 10 23 11 49.6–.87 40.33N–.05 27.46E–.06 16–8 24 0-1
ISK XII 10 23 11 48.8 40.35N 27.47E 20 2.1 ¶12865041
ISCJB XII 10 23 11 49.4–1.1 40.35N–.05 27.45E–.07 20–12 2.1
CSEM XII 10 23 11 49.4–.13 40.34N 27.45E 16–1 2.1
DDA XII 10 23 11 49.8 40.29N 27.46E 14–1 2.6,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=7.1km az=142.2.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=46.0.
ISC XII 10 23 31 46.5–.47 38.26N–.04 38.81E–.03 8–8 36 0-2
ISCJB XII 10 23 31 46.0–.47 38.23N–.04 38.81E–.03 5–9 ¶12865040
CSEM XII 10 23 31 46.5–.26 38.29N 38.80E 2 2.5
ISK XII 10 23 31 46.1 38.37N 38.79E 14 2.5
DDA XII 10 23 31 46.0 38.26N 38.80E 14–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.9km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=4.4km az=165.0.
ISC XII 11 05 58 41.9–.59 37.13N–.04 36.25E–.04 2–7 34 0-2
ISCJB XII 11 05 58 41.4–.54 37.12N–.04 36.25E–.04 10 ¶12865083
ISK XII 11 05 58 41.2 37.16N 36.24E 6 2.7
DDA XII 11 05 58 41.6 37.10N 36.33E 7–5 3.1
CSEM XII 11 05 58 41.7–.14 37.10N 36.26E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=152.6.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=161.0.
ISC XII 11 18 59 48.0–.54 38.13N–.04 38.64E–.03 5–9 37 0-2
ISK XII 11 18 59 46.6 38.16N 38.66E 2 2.7 ¶12865074
ISCJB XII 11 18 59 47.2–.58 38.12N–.04 38.65E–.03 2–9 2.7
DDA XII 11 18 59 47.5 38.14N 38.62E 7–5 3.3
CSEM XII 11 18 59 47.7–.25 38.14N 38.66E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.3km az=177.6.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.4km az=163.0.
ISC XII 11 23 13 49.2–1.2 37.36N–.06 38.84E–.05 0–11 34 0-2
ISCJB XII 11 23 13 48.7–.82 37.38N–.04 38.86E–.05 10 ¶12865071
DDA XII 11 23 13 48.9 37.36N 38.83E 7–5 2.9
CSEM XII 11 23 13 49.1–.52 37.37N 38.84E 0–4 2.9
ISK XII 11 23 13 49.0 37.40N 38.83E 4 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=145.3.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.0km az=173.0.
ISC XII 12 01 20 50.7–1.3 36.64N–.06 29.09E–.05 10 30 0-1
ISCJB XII 12 01 20 50.1–1.2 36.65N–.06 29.09E–.04 10 ¶12865118
ISK XII 12 01 20 50.4 36.67N 29.11E 23 2.6
DDA XII 12 01 20 50.8 36.72N 29.07E 7–5 2.8
CSEM XII 12 01 20 50.2–.62 36.63N 29.11E 10 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.8km az=13.8.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=6.1km az=14.0.
ISC XII 12 01 48 45.0–.47 37.41N–.03 35.89E–.05 24–4 39 0-2
ISK XII 12 01 48 43.5 37.42N 35.86E 30 2.4 ¶12865116
DDA XII 12 01 48 43.6 37.40N 35.92E 7–7 3.0
ISCJB XII 12 01 48 44.8–.46 37.41N–.03 35.89E–.04 24–4 3.0
CSEM XII 12 01 48 44.4–.30 37.40N 35.88E 24–3 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.1km az=138.8.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=6.6km az=144.0.
ISC XII 12 03 43 41.2–.70 37.06N–.05 28.19E–.05 6–8 26 0-1
DDA XII 12 03 43 38.9 36.97N 28.24E 4–0 2.6 ¶12865113
ISK XII 12 03 43 39.4 37.13N 28.11E 5 2.4
ISCJB XII 12 03 43 40.7–.70 37.06N–.05 28.19E–.05 6–9 2.4
CSEM XII 12 03 43 40.7–.31 37.07N 28.20E 5 2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.5km az=145.3.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.7km az=145.0.
ISC XII 12 05 12 40.5–.74 40.59N–.04 32.72E–.05 6–6 49 1-3
ISCJB XII 12 05 12 40.0–.84 40.58N–.04 32.72E–.05 4–8 ¶12865109
ISK XII 12 05 12 40.0 40.57N 32.74E 8 2.9
CSEM XII 12 05 12 40.5–.13 40.59N 32.73E 8 2.9
DDA XII 12 05 12 41.4 40.65N 32.85E 7–3 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.9km az=4.4.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=150.0.
ISC XII 12 06 59 49.8–.37 40.75N–.03 29.18E–.04 5–4 71 0-2
ISCJB XII 12 06 59 49.4–.38 40.75N–.03 29.17E–.04 3–5 ¶12865108
CSEM XII 12 06 59 49.7–.07 40.76N 29.18E 5 2.9
ISK XII 12 06 59 49.0 40.76N 29.18E 5 2.9
DDA XII 12 06 59 49.9 40.76N 29.21E 7–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.6km az=138.4.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=45.0.
ISC XII 12 07 26 08.7–.29 40.58N–.02 27.31E–.03 11–2 98 0-2
ISCJB XII 12 07 26 08.4–.30 40.57N–.02 27.30E–.03 10–2 ¶12865107
CSEM XII 12 07 26 08.5–.08 40.58N 27.31E 10 3.0
ATH XII 12 07 26 08.0 40.57N 27.31E 20–1 3.2
DDA XII 12 07 26 08.6 40.55N 27.32E 7–4 3.0L
ISK XII 12 07 26 08.1 40.57N 27.31E 12 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=39.3.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=17.0.
ATH Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0.
ISK XII 12 10 20 40.7 38.67N 39.11E 29 2.6
CSEM XII 12 10 20 40.7 38.67N 39.11E 29 2.6 ¶12865104
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC XII 12 11 50 57.2–.55 40.79N–.03 29.20E–.06 10–5 39 0-2
DDA XII 12 11 50 56.0 40.81N 29.33E 6–3 2.7 ¶12865102
ISCJB XII 12 11 50 56.7–.57 40.78N–.03 29.20E–.06 12–5 2.7
ISK XII 12 11 50 56.3 40.78N 29.17E 11 2.5
CSEM XII 12 11 50 57.0–.14 40.78N 29.18E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.0km az=155.1.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=77.0.
ISC XII 12 14 44 09.4–.51 39.64N–.03 29.41E–.04 11–6 45 1-2
ISCJB XII 12 14 44 08.8–.55 39.64N–.03 29.42E–.04 7–7 ¶12865100
CSEM XII 12 14 44 08.6–.18 39.62N 29.43E 1 2.5
ISK XII 12 14 44 08.7 39.64N 29.41E 12 2.8
DDA XII 12 14 44 09.1 39.64N 29.39E 7–4 2.5
ISCJB Error ellipse: s-maj=5.5km s-min=4.9km az=0.2.
CSEM Error ellipse: s-maj=4.2km s-min=3.7km az=65.0.
ISC XII 12 23 08 58.6–.51 39.46N–.04 33.02E–.04 5–6 35 0-2
DDA XII 12 23 08 57.5 39.47N 32.95E 7–3 2.8 ¶12865094
ISCJB XII 12 23 08 58.2–.55 39.48N–.04 33.01E–.04 7–7 2.8
CSEM XII 12 23 08 58.1–.14 39.48N 33.02E 5 2.8
ISK XII 12 23 08 58.4 39.51N 33.00E 12 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.7km az=167.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=138.0.
ISC XII 13 03 11 24.2–.40 39.43N–.02 41.14E–.03 7–4 53 0-3
ISK XII 13 03 11 22.5 39.40N 41.15E 5 3.2 ¶12865130
ISCJB XII 13 03 11 23.4–.42 39.43N–.02 41.13E–.03 2–5 3.2
CSEM XII 13 03 11 23.6–.14 39.40N 41.15E 2 3.2
DDA XII 13 03 11 23.9 39.42N 41.16E 7–4 3.0
ISC Event type ke.

ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=8.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=39.0.
ISC XII 13 20 38 28.6–.52 40.42N–.03 34.44E–.04 8–6 35 0-2
ISK XII 13 20 38 27.1 40.45N 34.53E 16 2.6 ¶12865122
DDA XII 13 20 38 27.8 40.41N 34.42E 11–5 3.1
ISCJB XII 13 20 38 28.2–.56 40.42N–.03 34.43E–.04 7–5 3.1
CSEM XII 13 20 38 28.0–.35 40.42N 34.45E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.4km az=138.1.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=5.4km az=42.0.
ISC XII 13 23 09 11.0–.82 37.08N–.05 39.14E–.04 1–6 37 0-2
DDA XII 13 23 09 10.8 37.06N 39.13E 7–3 3.0 ¶12865133
ISCJB XII 13 23 09 11.1–.81 37.03N–.05 39.07E–.04 10 3.0
CSEM XII 13 23 09 12.3–.56 37.13N 39.09E 2 3.0
ISK XII 13 23 09 13.2 37.22N 38.98E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.6km az=170.2.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=6.8km az=133.0.
ISC XII 13 23 46 21.1–.34 39.22N–.02 26.23E–.03 11–2 118 0-3
ISK XII 13 23 46 19.7 39.22N 26.19E 8 3.2 ¶12865131
CSEM XII 13 23 46 20.7–.11 39.21N 26.21E 10–0 2.7L
ISCJB XII 13 23 46 20.7–.35 39.23N–.02 26.21E–.03 11–2 2.7L
DDA XII 13 23 46 20.3 39.24N 26.23E 32–3 3.0
ATH XII 13 23 46 21.3 39.18N 26.21E 39–1 3.6
THE XII 13 23 46 21.7 39.24N 26.21E 4–2 2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=75.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=173.7.
ATH Error ellipse: s-maj=0.6km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.5km az=72.0.
ISC XII 14 09 59 41.9–.54 37.48N–.03 36.33E–.04 2–6 39 0-2
DDA XII 14 09 59 40.6 37.47N 36.29E 7–3 2.9 ¶12865139
ISCJB XII 14 09 59 41.5–.59 37.46N–.04 36.33E–.04 2–7 2.9
ISK XII 14 09 59 41.2 37.53N 36.33E 7 2.7
CSEM XII 14 09 59 41.5–.25 37.48N 36.32E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.8km az=146.8.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=158.0.
ISC XII 15 07 23 46.8–.40 39.75N–.02 42.16E–.03 0–4 80 0-3
ISK XII 15 07 23 45.0 39.77N 42.17E 5 3.4 ¶12865161
DDA XII 15 07 23 45.9 39.72N 42.16E 5–5 3.5,3.3L
CSEM XII 15 07 23 46.0–.15 39.80N 42.18E 2 3.3L,3.3L
ISCJB XII 15 07 23 47.0–.30 39.75N–.02 42.15E–.03 10 3.3L,3.3L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 15 07 39 37.2–.65 38.14N–.04 27.28E–.06 14–8 24 0-1
DDA XII 15 07 39 36.7 38.12N 27.24E 8–3 2.6 ¶14259934
CSEM XII 15 07 39 36.9–.24 38.13N 27.25E 15 2.6
ISCJB XII 15 07 39 37.0–.61 38.13N–.03 27.27E–.06 11–8 2.6
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 15 11 42 35.4–.82 39.86N–.05 26.30E–.05 6–8 22 0-1
CSEM XII 15 11 42 33.7–.87 39.83N 26.19E 8 2.6 ¶12865157
ISCJB XII 15 11 42 34.9–.64 39.87N–.05 26.29E–.05 10 2.6
ISK XII 15 11 42 34.4 39.86N 26.28E 6 2.6
DDA XII 15 11 42 34.2 39.74N 26.09E 25–0 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.5km s-min=5.9km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.5km az=162.1.
DDA XII 15 14 38 41.5 38.26N 38.11E 7–1 2.8
¶14259943
ISC XII 15 17 26 10.2–.48 39.59N–.03 32.83E–.03 3–4 79 0-3
ISCJB XII 15 17 26 09.7–.57 39.58N–.03 32.82E–.03 2–5 ¶12865150
ISK XII 15 17 26 09.4 39.58N 32.84E 7 3.4
DDA XII 15 17 26 09.7 39.55N 32.83E 8–3 3.2
CSEM XII 15 17 26 09.8–.12 39.59N 32.84E 2 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=176.7.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=161.0.
DDA XII 15 18 57 52.8 37.89N 27.57E 7–6 3.0
ISK XII 15 18 57 51.6 37.86N 27.54E 6 2.9 ¶12865147
CSEM XII 15 18 57 52.2–.13 37.87N 27.59E 12 2.9
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=66.0.
ISC XII 15 18 58 44.9–.40 39.16N–.03 29.41E–.03 7–4 58 0-2
ISCJB XII 15 18 58 44.5–.46 39.16N–.03 29.41E–.03 5–5 ¶12865146
ISK XII 15 18 58 44.2 39.17N 29.39E 8 2.8
DDA XII 15 18 58 44.6 39.14N 29.42E 9–2 2.9
CSEM XII 15 18 58 44.5–.11 39.17N 29.42E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=177.2.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=173.0.
ISC XII 15 20 47 28.4–.70 39.17N–.04 41.82E–.05 2–16 20 0-1
CSEM XII 15 20 47 25.9–1.0 39.06N 41.76E 20 2.6 ¶12865144
ISK XII 15 20 47 26.5 39.13N 41.85E 18 2.6
ISCJB XII 15 20 47 28.0–.67 39.18N–.04 41.79E–.05 10 2.6
DDA XII 15 20 47 28.1 39.22N 41.73E 2–0 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=30.2km s-min=15.2km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=152.9.
DDA XII 15 21 43 28.3 39.69N 42.04E 18–0 2.8
¶14259945
DDA XII 16 20 44 54.3 37.95N 27.46E 7–7 3.0
CSEM XII 16 20 44 54.6–.16 37.94N 27.44E 10 3.0 ¶12865166
ISK XII 16 20 44 54.3 37.93N 27.43E 11 2.6
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=90.0.
ISK XII 16 20 45 33.0 38.00N 30.97E 10 2.9
CSEM XII 16 20 45 33.6–.21 38.00N 30.93E 15 2.9 ¶12865165
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.8km az=99.0.
ISC XII 16 21 52 49.9–.37 37.92N–.02 27.46E–.03 6–4 79 0-2
ISK XII 16 21 52 48.8 37.91N 27.40E 8 2.8 ¶12865163
ISCJB XII 16 21 52 49.4–.40 37.91N–.02 27.45E–.03 7–4 2.8
CSEM XII 16 21 52 49.8–.17 37.90N 27.41E 15 3.0
ATH XII 16 21 52 49.0 37.88N 27.49E 5–2 3.3
DDA XII 16 21 52 49.4 37.96N 27.44E 10–5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=42.7.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=48.0.
ATH Error ellipse: s-maj=0.4km s-min=1.3km az=-1.0.
ISK XII 17 07 38 25.6 37.40N 28.27E 6 2.2L
CSEM XII 17 07 38 11.7–.18 38.05N 28.85E 2 2.2L ¶12865194
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=3.6km az=127.0.
ISC XII 17 10 17 29.8–1.1 37.21N–.05 31.11E–.06 120–10 41 0-2
ISCJB XII 17 10 17 29.3–1.1 37.21N–.05 31.11E–.06 120–10 ¶12865193
ISK XII 17 10 17 29.6 37.28N 31.13E 119 3.0
CSEM XII 17 10 17 30.4–.74 37.23N 31.12E 111–8 3.0
DDA XII 17 10 17 32.6 36.90N 30.99E 7–6 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.9km az=151.4.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=6.2km az=146.0.
ISC XII 17 11 43 22.1–.70 39.39N–.04 28.12E–.04 18–6 39 0-2
CSEM XII 17 11 43 21.9–.22 39.40N 28.13E 15 3.0 ¶12865190
ISK XII 17 11 43 21.5 39.38N 28.12E 17 2.7
ISCJB XII 17 11 43 22.3–.72 39.39N–.05 28.13E–.05 21–9 2.7
DDA XII 17 11 43 22.2 39.44N 28.15E 7–5 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=42.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=5.2km az=30.8.
ISC XII 17 12 15 46.3–.61 38.95N–.09 35.68E–.05 11–10 22 0-2
ISCJB XII 17 12 15 46.2–.72 38.90N–.07 35.67E–.07 10–9 ¶14259965

CSEM XII 17 12 15 46.4–.32 38.88N 35.64E 2 3.0
DDA XII 17 12 15 46.1 38.89N 35.63E 5–3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=7.7km az=28.6.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=4.9km az=19.0.
ISC XII 17 13 14 39.6–.35 39.68N–.02 40.69E–.02 2–4 94 0-3
ISCJB XII 17 13 14 39.7–.29 39.66N–.02 40.67E–.02 10 ¶12865188
ISK XII 17 13 14 39.3 39.69N 40.66E 4 3.4
DDA XII 17 13 14 39.7 39.72N 40.71E 21–1 3.6
CSEM XII 17 13 14 40.1–.19 39.69N 40.67E 2 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=142.1.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=178.0.
ISC XII 17 17 39 25.2–.72 37.49N–.06 35.72E–.05 10–7 20 0-1
CSEM XII 17 17 39 24.6–.28 37.52N 35.72E 2 1.6L ¶12865182
ISK XII 17 17 39 24.1 37.44N 35.97E 12 1.6L
DDA XII 17 17 39 24.0 37.52N 35.71E 7–3 2.6
ISCJB XII 17 17 39 25.1–.69 37.47N–.06 35.76E–.06 13–5 2.6
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 17 18 10 53.2–.63 39.32N–.04 33.10E–.06 8–6 32 0-2
ISCJB XII 17 18 10 50.0–.81 39.26N–.04 32.86E–.06 10 ¶12865181
ISK XII 17 18 10 49.5 39.32N 32.83E 10 1.9L
CSEM XII 17 18 10 49.3–.35 39.23N 32.86E 2 1.9L
DDA XII 17 18 10 52.8 39.30N 33.13E 7–5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.0km az=23.6.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=6.6km az=144.0.
ISC XII 17 18 33 22.6–.69 39.95N–.07 39.90E–.06 26–12 28 0-2
ISK XII 17 18 33 21.2 39.99N 39.92E 30 2.8 ¶12865180
ISCJB XII 17 18 33 22.3–.64 39.95N–.07 39.91E–.06 29–10 2.8
CSEM XII 17 18 33 22.0–.28 39.92N 39.89E 20 2.8
DDA XII 17 18 33 23.4 40.15N 39.91E 7–1 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.7km az=21.7.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=6.0km az=146.0.
DDA XII 17 22 52 31.6 38.10N 38.64E 7–2 2.6
¶14259973
ISC XII 17 23 03 42.7–.61 36.07N–.04 35.90E–.04 10–4 51 0-3
ISK XII 17 23 03 41.7 36.05N 35.86E 8 3.1 ¶12865177
DDA XII 17 23 03 42.0 36.11N 35.88E 7–3 3.2
ISCJB XII 17 23 03 42.2–.62 36.07N–.03 35.87E–.04 8–4 3.2
CSEM XII 17 23 03 42.2–.27 36.05N 35.91E 8 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.9km az=175.3.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.3km az=152.0.
ISC XII 17 23 07 13.1–.35 40.80N–.02 29.30E–.03 12–3 82 0-2
ISCJB XII 17 23 07 12.8–.35 40.80N–.02 29.29E–.03 10–3 ¶12865176
CSEM XII 17 23 07 12.8–.11 40.79N 29.29E 10 3.0
ISK XII 17 23 07 12.4 40.79N 29.27E 10 2.9
DDA XII 17 23 07 12.9 40.78N 29.29E 14–1 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=43.3.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=41.0.
ISC XII 18 01 58 38.1–.97 36.91N–.04 32.73E–.07 5–9 26 0-2
ISCJB XII 18 01 58 37.5–1.0 36.92N–.04 32.74E–.06 2–11 ¶12865216
ISK XII 18 01 58 37.0 36.93N 32.76E 9 2.8
DDA XII 18 01 58 37.2 36.98N 32.76E 7–4 2.6
CSEM XII 18 01 58 38.0–.26 36.92N 32.72E 8 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=6.0km az=163.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=5.8km az=86.0.
ISC XII 18 02 25 13.6–.34 39.92N–.02 28.95E–.02 5–3 120 0-2
DDA XII 18 02 25 12.9 39.92N 28.92E 16–1 3.1 ¶12865215
ISCJB XII 18 02 25 13.1–.41 39.92N–.02 28.95E–.02 3–4 3.1
CSEM XII 18 02 25 13.4–.06 39.92N 28.96E 5 3.0
ISK XII 18 02 25 13.1 39.92N 28.94E 7 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=38.3.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=144.0.
ISC XII 18 02 30 52.8–.46 39.45N–.02 33.04E–.03 3–3 104 0-3
DDA XII 18 02 30 51.8 39.45N 33.05E 16–1 3.7 ¶12865214
ISK XII 18 02 30 51.8 39.47N 33.05E 3 3.3
ISCJB XII 18 02 30 52.4–.55 39.45N–.02 33.05E–.03 3–4 3.3
CSEM XII 18 02 30 52.5–.10 39.46N 33.04E 2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=38.4.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=127.0.
ISC XII 18 05 48 08.6–.43 40.82N–.02 34.77E–.03 2–6 53 0-2
DDA XII 18 05 48 07.6 40.82N 34.76E 8–5 2.9 ¶12865211
ISK XII 18 05 48 07.9 40.81N 34.77E 10 2.9
ISCJB XII 18 05 48 08.0–.49 40.83N–.02 34.77E–.03 0–5 2.9
CSEM XII 18 05 48 08.3–.17 40.80N 34.77E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.7km az=144.8.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=17.0.
DDA XII 18 11 01 25.8 38.21N 37.08E 7–8 2.7
¶14259986
ISC XII 18 12 52 44.8–.55 36.47N–.03 35.81E–.03 15–5 42 0-2
ISK XII 18 12 52 42.3 36.40N 35.91E 9 2.6L ¶12865208
DDA XII 18 12 52 43.1 36.47N 35.75E 9–4 3.2
ISCJB XII 18 12 52 44.4–.52 36.49N–.03 35.84E–.03 8–6 3.2
CSEM XII 18 12 52 44.1–.35 36.46N 35.81E 15 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=7.9.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.0km az=33.0.
ISC XII 18 14 00 47.5–.58 39.21N–.03 26.24E–.05 11–4 32 0-2
ISCJB XII 18 14 00 46.9–.61 39.20N–.03 26.21E–.04 10–4 ¶13403149
CSEM XII 18 14 00 46.9–.22 39.21N 26.24E 10 2.7
DDA XII 18 14 00 46.6 39.21N 26.26E 7–4 2.8
ATH XII 18 14 00 47.1 39.22N 26.27E 13–2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.0km az=140.8.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.7km az=143.0.
ATH Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0.
ISC XII 18 18 56 21.1–.44 40.50N–.03 42.37E–.04 5–8 38 1-2
ISK XII 18 18 56 19.3 40.52N 42.35E 5 2.3L ¶12865206
ISCJB XII 18 18 56 20.6–.49 40.51N–.03 42.37E–.04 8–6 2.3L
CSEM XII 18 18 56 20.2–.24 40.48N 42.35E 2 2.3L
DDA XII 18 18 56 20.2 40.51N 42.42E 7–3 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=140.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=35.0.
ISC XII 18 20 36 48.6–.41 40.47N–.02 42.38E–.03 0–5 58 1-3
ISCJB XII 18 20 36 48.1–.35 40.49N–.02 42.40E–.03 10 ¶12865205
ISK XII 18 20 36 48.4 40.47N 42.41E 10 3.2
CSEM XII 18 20 36 48.4–.28 40.44N 42.37E 2 3.2
DDA XII 18 20 36 48.5 40.43N 42.31E 7–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=143.7.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.8km az=12.0.
ISC XII 18 20 54 22.8–.39 39.97N–.02 39.68E–.03 12–4 59 0-3
ISK XII 18 20 54 21.1 39.93N 39.76E 5 3.1 ¶12865204
ISCJB XII 18 20 54 22.3–.39 39.97N–.02 39.68E–.03 10–4 3.1
CSEM XII 18 20 54 22.5–.20 39.97N 39.66E 10 3.1
DDA XII 18 20 54 22.5 39.96N 39.68E 24–0 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=35.6.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=128.0.
ISC XII 18 21 24 03.0–.52 39.26N–.02 26.05E–.04 12–3 81 0-3

NEIC XII 18 21 24 01.4 39.23N 25.97E 10 3.1 ¶12865203
ISCJB XII 18 21 24 02.4–.53 39.25N–.02 26.03E–.04 10–3 3.1
ATH XII 18 21 24 02.6 39.26N 26.08E 15–2 2.9
DDA XII 18 21 24 02.3 39.25N 26.07E 7–4 3.1
ISK XII 18 21 24 02.2 39.24N 26.04E 13 3.1
CSEM XII 18 21 24 02.5–.20 39.25N 26.01E 12 2.9
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.6km az=158.3.
ATH Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=75.0.
ISC XII 18 21 41 33.2–.54 39.24N–.02 26.05E–.04 9–3 87 0-3
CSEM XII 18 21 41 32.5–.22 39.22N 25.99E 10–0 3.0 ¶12865202
ATH XII 18 21 41 32.4 39.25N 26.10E 18–0 3.0
NEIC XII 18 21 41 32.7 39.25N 26.12E 7 3.1
ISCJB XII 18 21 41 32.5–.55 39.24N–.02 26.03E–.04 7–3 3.1
DDA XII 18 21 41 33.6 39.27N 26.08E 5–0 2.9
ISK XII 18 21 41 33.2 39.26N 26.14E 9 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=78.0.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=167.7.
ISC XII 19 01 57 06.8–.64 37.22N–.03 30.66E–.03 2–5 107 0-5
DDA XII 19 01 57 03.1 37.02N 30.81E 22–1 3.2 ¶12865232
ISCJB XII 19 01 57 06.5–.69 37.24N–.03 30.65E–.03 5–5 3.2
ISK XII 19 01 57 06.0 37.22N 30.64E 9 3.4
CSEM XII 19 01 57 06.4–.08 37.22N 30.65E 2 3.4
ATH XII 19 01 57 28.1 36.20N 29.22E 10 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=177.5.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=177.0.
ISC XII 19 07 00 05.8–.59 37.33N–.04 37.78E–.04 15–7 36 0-2
DDA XII 19 07 00 03.9 37.33N 37.77E 7–4 2.9 ¶12865227
CSEM XII 19 07 00 04.9–.37 37.32N 37.79E 2 2.9
ISCJB XII 19 07 00 05.2–.61 37.34N–.05 37.78E–.04 9–7 2.9
ISK XII 19 07 00 05.7 37.39N 37.77E 10 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=5.3km az=150.0.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.2km az=154.2.
ISC XII 19 09 51 56.8–.68 37.30N–.04 31.90E–.06 9–15 20 1-1
ISK XII 19 09 51 54.6 37.27N 31.89E 5 2.8 ¶12865226
DDA XII 19 09 51 55.4 37.27N 31.64E 7–1 3.0
ISCJB XII 19 09 51 56.1–.64 37.29N–.03 31.89E–.05 10 3.0
CSEM XII 19 09 51 56.2–.38 37.30N 31.90E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=149.5.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=6.5km az=68.0.
ISC XII 19 12 30 17.8–.92 37.18N–.05 29.35E–.09 37–11 25 0-1
ISK XII 19 12 30 16.4 37.07N 29.16E 5 2.8 ¶12865224
DDA XII 19 12 30 16.8 37.04N 29.11E 7–5 2.8
ISCJB XII 19 12 30 17.9–.93 37.16N–.05 29.32E–.08 35–15 2.8
CSEM XII 19 12 30 17.4–.37 37.13N 29.25E 22–6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.5km az=149.9.
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=7.3km az=39.0.
ISC XII 19 13 16 43.0–.55 39.40N–.03 33.10E–.03 1–5 60 0-2
ISK XII 19 13 16 41.8 39.43N 33.08E 4 2.8 ¶12865222
CSEM XII 19 13 16 42.6–.16 39.41N 33.09E 2 2.8
DDA XII 19 13 16 42.5 39.41N 33.12E 11–2 3.0
ISCJB XII 19 13 16 43.5–.39 39.41N–.03 33.10E–.03 10 3.0
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 19 14 10 09.6–.63 39.29N–.05 34.15E–.04 10 24 0-1
ISCJB XII 19 14 10 09.0–.63 39.29N–.05 34.15E–.04 10 ¶12865220
CSEM XII 19 14 10 08.9–.23 39.29N 34.15E 15 2.7
ISK XII 19 14 10 09.3 39.35N 34.09E 21 2.7
DDA XII 19 14 10 09.2 39.29N 34.16E 7–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=9.9.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=5.0.
ISC XII 20 00 53 11.5–.75 40.84N–.05 35.89E–.05 12–13 22 0-1
ISK XII 20 00 53 10.8 40.88N 35.95E 17 1.7L ¶12865250
ISCJB XII 20 00 53 11.1–1.7 40.9N–.10 35.90E–.05 9–20 1.7L
DDA XII 20 00 53 12.0 41.03N 36.04E 7–1 2.7
CSEM XII 20 00 53 11.2–.17 40.85N 35.89E 12 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.5km s-min=6.1km az=2.6.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=176.0.
ISC XII 20 02 06 36.2–.63 39.92N–.04 39.06E–.05 10 18 0-1
ISCJB XII 20 02 06 35.6–.63 39.91N–.04 39.06E–.04 10 ¶14260010
DDA XII 20 02 06 35.3 39.91N 39.07E 7–2 2.8
CSEM XII 20 02 06 36.2–.37 39.94N 39.03E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.9km az=157.9.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=7.8km az=134.0.
DDA XII 20 03 28 41.8 39.69N 38.90E 7–4 2.9
CSEM XII 20 03 28 42.2–.07 39.71N 38.87E 10 2.9 ¶14260011
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=102.0.
ISC XII 20 22 42 28.3–.40 39.13N–.02 28.23E–.03 9–4 62 0-2
ISCJB XII 20 22 42 27.9–.42 39.13N–.02 28.22E–.03 6–5 ¶12865236
ISK XII 20 22 42 27.2 39.10N 28.16E 8 1.8L
DDA XII 20 22 42 27.7 39.13N 28.24E 7–4 3.0
CSEM XII 20 22 42 28.1–.16 39.13N 28.22E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=161.8.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=71.0.
ISC XII 20 22 52 24.2–.58 39.27N–.04 28.21E–.05 19–7 24 0-1
ISCJB XII 20 22 52 24.2–1.3 39.26N–.04 28.20E–.05 27–25 ¶14260025
CSEM XII 20 22 52 24.0–.13 39.27N 28.22E 17–2 2.8
DDA XII 20 22 52 24.1 39.29N 28.21E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.1km az=40.7.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.2km az=48.0.
ISC XII 21 01 53 52.9–.61 37.86N–.03 29.57E–.05 2–9 31 0-1
ISK XII 21 01 53 51.9 37.83N 29.49E 5 2.6 ¶12865268
ISCJB XII 21 01 53 52.5–.62 37.85N–.03 29.54E–.05 1–9 2.6
DDA XII 21 01 53 52.6 37.82N 29.62E 17–1 2.9
CSEM XII 21 01 53 52.3–.18 37.84N 29.57E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.8km az=170.6.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=80.0.
ISC XII 21 05 35 32.1–.32 40.32N–.02 27.56E–.03 7–3 94 0-2
ISCJB XII 21 05 35 31.7–.35 40.32N–.02 27.57E–.03 4–4 ¶12865265
ISK XII 21 05 35 31.4 40.31N 27.57E 4 3.0
DDA XII 21 05 35 31.2 40.30N 27.56E 18–1 3.0
CSEM XII 21 05 35 32.0–.11 40.33N 27.57E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=40.2.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=44.0.
ISC XII 21 06 52 43.6–.45 40.27N–.03 27.03E–.04 7–7 40 0-2
ISK XII 21 06 52 42.9 40.28N 27.03E 5 2.7 ¶12865263
ISCJB XII 21 06 52 43.1–.50 40.26N–.03 27.03E–.04 2–7 2.7
DDA XII 21 06 52 43.4 40.26N 27.10E 7–7 3.0
CSEM XII 21 06 52 43.5–.08 40.27N 27.04E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.5km az=25.9.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=36.0.
ISC XII 21 13 48 03.0–1.0 37.25N–.04 28.25E–.06 12–12 21 0-1
ISK XII 21 13 48 00.6 37.35N 28.31E 5 2.3L ¶12865258

ISCJB	XII	21 13 48 02.8–.76	37.27N–.05	28.26E–.06	7–14	2.3L			
DDA	XII	21 13 48 02.7	37.23N	28.18E	7–2	2.7			
CSEM	XII	21 13 48 03.1–.18	37.24N	28.22E	1	2.7			
ISCJB	Error ellipse: s-maj=9.5km s-min=5.9km az=139.9.								
CSEM	Error ellipse: s-maj=4.6km s-min=3.4km az=50.0.								
ISC	**XII**	**21 23 23 33.1–.70**	**36.76N–.04**	**29.14E–.05**	**14–8**		**29**	**0-1**	
DDA	XII	21 23 23 29.5	36.67N	29.18E	3–0	2.9			¶12865252
ISK	XII	21 23 23 31.7	36.73N	29.12E	5	2.6			
ISCJB	XII	21 23 23 32.7–.80	36.75N–.04	29.14E–.05	11–6	2.6			
CSEM	XII	21 23 23 32.8–.49	36.80N	29.18E	15	2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.9km s-min=6.0km az=11.9.								
CSEM	Event type ke. Error ellipse: s-maj=12.0km s-min=8.1km az=173.0.								
ISC	**XII**	**22 00 32 39.0–.40**	**39.08N–.02**	**27.94E–.03**	**5–7**		**52**	**0-2**	
DDA	XII	22 00 32 37.9	39.10N	27.94E	7–4	2.9			¶12865282
ISCJB	XII	22 00 32 38.5–.46	39.08N–.02	27.94E–.03	2–7	2.9			
ISK	XII	22 00 32 38.0	39.08N	27.93E	4	2.4			
CSEM	XII	22 00 32 38.5–.18	39.08N	27.95E	2	2.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.7km az=177.1.								
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=81.0.								
ISC	**XII**	**22 02 10 26.4–.57**	**39.45N–.04**	**27.20E–.04**	**7–8**		**33**	**0-2**	
DDA	XII	22 02 10 24.9	39.59N	27.08E	7–2	2.8			¶12865280
ISCJB	XII	22 02 10 26.1–.54	39.44N–.04	27.21E–.04	10	2.8			
ISK	XII	22 02 10 26.3	39.41N	27.35E	12	2.3			
CSEM	XII	22 02 10 26.3–.37	39.45N	27.21E	5	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=155.8.								
CSEM	Event type ke. Error ellipse: s-maj=8.8km s-min=7.8km az=159.0.								
ISC	**XII**	**22 08 06 29.0–.46**	**40.13N–.03**	**36.01E–.03**	**4–5**		**61**	**0-3**	
DDA	XII	22 08 06 27.9	40.13N	36.01E	7–4	3.1			¶12865277
ISCJB	XII	22 08 06 28.5–.54	40.14N–.03	36.01E–.03	2–5	3.1			
CSEM	XII	22 08 06 28.5–.16	40.14N	35.99E	2	3.1			
ISK	XII	22 08 06 28.3	40.10N	36.03E	8	3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=162.2.								
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=159.0.								
ISC	**XII**	**22 13 56 21.4–.66**	**37.22N–.04**	**37.28E–.04**	**3–6**		**32**	**0-1**	
DDA	XII	22 13 56 20.7	37.22N	37.30E	7–3	2.8			¶12865275
ISCJB	XII	22 13 56 21.5–.56	37.21N–.03	37.26E–.04	10	2.8			
CSEM	XII	22 13 56 21.6–.20	37.22N	37.24E	10	2.8			
ISK	XII	22 13 56 21.9	37.32N	37.27E	5	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=152.3.								
CSEM	Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=145.0.								
ISC	**XII**	**22 14 18 30.5–.44**	**39.96N–.03**	**39.98E–.03**	**7–5**		**44**	**0-2**	
ISCJB	XII	22 14 18 29.9–.48	39.95N–.03	39.98E–.03	5–5				¶12865274
ISK	XII	22 14 18 29.9	39.98N	40.01E	8	2.8			
DDA	XII	22 14 18 29.7	39.98N	40.01E	7–4	2.9			
CSEM	XII	22 14 18 30.1–.21	39.95N	39.98E	10	2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=7.8.								
CSEM	Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=179.0.								
ISC	**XII**	**22 17 23 29.1–.72**	**40.85N–.04**	**28.50E–.06**	**5–10**		**28**	**0-2**	
ISCJB	XII	22 17 23 28.5–.78	40.84N–.04	28.50E–.06	1–12				¶12865273
DDA	XII	22 17 23 28.9	40.87N	28.53E	7–1	2.7			
ISK	XII	22 17 23 28.5	40.87N	28.51E	7	2.7			
CSEM	XII	22 17 23 29.0–.08	40.85N	28.49E	5	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.9km s-min=6.0km az=29.4.								
CSEM	Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=133.0.								
ISC	**XII**	**22 22 32 41.3–1.2**	**37.81N–.06**	**36.10E–.09**	**10**		**10**	**0-2**	
ISCJB	XII	22 22 32 40.3–1.3	37.88N–.04	36.08E–.10	10				¶14260043
DDA	XII	22 22 32 43.4	37.60N	36.14E	7–7	3.1			
ISCJB	Error ellipse: s-maj=11.3km s-min=6.4km az=7.2.								
ISC	**XII**	**22 23 30 50.4–.35**	**40.40N–.02**	**26.07E–.02**	**7–3**		**137**	**0-3**	
ISCJB	XII	22 23 30 49.8–.37	40.40N–.02	26.07E–.02	6–3				¶12865272
CSEM	XII	22 23 30 49.9–.11	40.40N	26.05E	5	3.1			
THE	XII	22 23 30 50.7	40.39N	26.04E	8–1	2.5L			
ATH	XII	22 23 30 50.1	40.42N	26.09E	5–2	3.3			
DDA	XII	22 23 30 50.1	40.40N	26.11E	7–2	3.0			
ISK	XII	22 23 30 50.4	40.40N	26.16E	4	3.1			
SOF	XII	22 23 30 51.7	40.55N	26.07E	2	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=34.2.								
CSEM	Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=15.0.								
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=66.0.								
ATH	Error ellipse: s-maj=0.7km s-min=1.4km az=-1.0.								
ISC	**XII**	**23 01 57 32.4–.37**	**39.28N–.02**	**28.27E–.03**	**13–4**		**63**	**0-2**	
ISK	XII	23 01 57 31.6	39.28N	28.27E	5	2.7			¶12865307
ISCJB	XII	23 01 57 32.1–.41	39.28N–.02	28.26E–.03	11–4	2.7			
DDA	XII	23 01 57 32.1	39.28N	28.25E	7–5	2.8			
CSEM	XII	23 01 57 32.3–.13	39.29N	28.26E	10	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=162.2.								
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=77.0.								
ISC	**XII**	**23 12 06 15.1–.99**	**41.21N–.06**	**36.34E–.05**	**9–6**		**37**	**0-2**	
ISK	XII	23 12 06 11.4	41.24N	36.52E	6	2.7			¶12865298
ISCJB	XII	23 12 06 14.0–.99	41.24N–.06	36.37E–.04	1–6	2.7			
CSEM	XII	23 12 06 14.7–.43	41.22N	36.30E	12	2.7			
DDA	XII	23 12 06 14.9	41.16N	36.30E	8–2	2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=9.8km s-min=4.7km az=18.6.								
CSEM	Event type ke. Error ellipse: s-maj=11.7km s-min=5.5km az=15.0.								
ISC	**XII**	**23 13 34 10.9–.58**	**38.74N–.03**	**35.67E–.04**	**10**		**34**	**0-2**	
CSEM	XII	23 13 34 09.6–.35	38.79N	35.80E	22–4	2.3L			¶12865296
ISK	XII	23 13 34 09.2	38.71N	35.64E	8	2.3L			
ISCJB	XII	23 13 34 10.1–.54	38.75N–.03	35.73E–.04	10	2.3L			
DDA	XII	23 13 34 11.1	38.78N	35.69E	7–7	2.8			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=12.9km s-min=7.7km az=20.0.								
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=24.9.								
ISC	**XII**	**23 14 01 08.0–.47**	**39.24N–.03**	**35.15E–.03**	**5–7**		**36**	**0-2**	
ISCJB	XII	23 14 01 07.4–.43	39.23N–.03	35.16E–.03	10				¶12865293
CSEM	XII	23 14 01 07.6–.20	39.24N	35.17E	2	2.7			
ISK	XII	23 14 01 07.2	39.25N	35.18E	6	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=38.9.								
CSEM	Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=43.0.								
ISC	**XII**	**23 16 04 30.4–1.2**	**37.14N–.05**	**39.07E–.03**	**1–8**		**67**	**1-6**	
DDA	XII	23 16 04 27.1	36.92N	39.04E	15–2	3.7			¶12865291
ISK	XII	23 16 04 29.9	37.11N	39.12E	11	3.9,3.9L			
ISCJB	XII	23 16 04 30.3–.57	37.11N–.05	39.09E–.03	10	3.9,3.9L			
CSEM	XII	23 16 04 30.1–.17	37.11N	39.07E	2	3.7,3.9L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.9km s-min=3.8km az=169.2.								
CSEM	Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=127.0.								
ISC	**XII**	**23 16 11 26.5–.82**	**39.55N–.04**	**26.43E–.05**	**5–6**		**34**	**0-1**	
ISK	XII	23 16 11 24.7	39.57N	26.43E	5	2.7			¶12865290
CSEM	XII	23 16 11 25.4–.39	39.54N	26.38E	8	2.7			
ISCJB	XII	23 16 11 26.2–.76	39.57N–.04	26.46E–.05	0–7	2.7			
DDA	XII	23 16 11 26.4	39.54N	26.46E	7–2	3.2			
ISC	Event type ke.								
CSEM	Event type ke. Error ellipse: s-maj=8.0km s-min=4.5km az=62.0.								
ISCJB	Event type ke. Error ellipse: s-maj=7.0km s-min=5.0km az=43.0.								
ISC	**XII**	**23 19 55 30.0–.82**	**37.85N–.03**	**43.57E–.06**	**20–10**		**32**	**0-2**	
ISK	XII	23 19 55 28.8	37.82N	43.63E	5	2.9			¶12865287
ISCJB	XII	23 19 55 29.7–.61	37.85N–.03	43.58E–.06	10	2.9			
DDA	XII	23 19 55 30.2	37.87N	43.57E	8–4	3.0			
CSEM	XII	23 19 55 30.0–.25	37.83N	43.60E	2	3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=3.6km az=169.1.								
CSEM	Event type ke. Error ellipse: s-maj=7.7km s-min=3.8km az=83.0.								
ISC	**XII**	**24 02 04 21.3–.87**	**38.92N–.04**	**27.88E–.05**	**12–9**		**24**	**0-1**	
ISCJB	XII	24 02 04 21.0–.59	38.89N–.05	27.89E–.05	12–6				¶12865337
ISK	XII	24 02 04 20.7	38.89N	27.90E	12	2.1L			
DDA	XII	24 02 04 20.7	38.92N	27.87E	7–4	2.8			
CSEM	XII	24 02 04 21.1–.12	38.92N	27.88E	10	2.1L			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=8.8km s-min=6.2km az=17.0.								
CSEM	Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=143.0.								
ISC	**XII**	**24 03 28 38.7–.30**	**37.82N–.02**	**29.22E–.04**	**10**		**76**	**0-5**	
ISK	XII	24 03 28 36.1	37.82N	29.20E	5	3.3			¶12078761
CSEM	XII	24 03 28 36.1	37.82N	29.20E	5	3.3			
ISCJB	XII	24 03 28 38.1–.30	37.83N–.02	29.21E–.03	10	3.3			
ISC	Event type ke.								
CSEM	Event type ke. After ISK.								
ISCJB	Event type ke.								
ISC	**XII**	**24 03 29 07.4–1.0**	**37.88N–.07**	**29.1E–.10**	**10**		**9**	**0-35**	
ISCJB	XII	24 03 29 06.5–.78	37.85N–.07	29.2E–.10	10				¶15686531
DDA	XII	24 03 29 07.0	37.88N	29.23E	7–3	2.6L			
IDC	XII	24 03 29 08.3–1.7	37.71N	29.36E	0	3.5,3.4b			
ISCJB	Error ellipse: s-maj=15.7km s-min=5.2km az=35.4.								
IDC	Error ellipse: s-maj=30.6km s-min=25.6km az=168.0.								
ISC	**XII**	**24 03 54 09.0–.55**	**37.90N–.02**	**29.22E–.05**	**4–8**		**40**	**0-1**	
DDA	XII	24 03 54 07.3	37.89N	29.25E	5–0	3.0			¶12865334
ISCJB	XII	24 03 54 09.0–.44	37.89N–.02	29.21E–.04	10	3.0			
ISK	XII	24 03 54 08.4	37.89N	29.18E	5	2.8			
CSEM	XII	24 03 54 08.6–.12	37.89N	29.22E	2	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=2.4.								
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=94.0.								
ISC	**XII**	**24 05 55 00.6–.41**	**37.86N–.01**	**29.24E–.02**	**1–3**	**3.9b,3.6s**	**311**	**0-76**	
THE	XII	24 05 54 55.0	37.89N	29.99E	0–2	4.5L,3.6s			¶13403833
NEIC	XII	24 05 54 59.0	37.79N	29.19E	10	4.0L,3.6s			
DDA	XII	24 05 54 59.9	37.89N	29.23E	10–2	4.0L,3.7			
ISK	XII	24 05 54 59.8	37.81N	29.20E	7	4.0L,3.7			
CSEM	XII	24 05 55 00.3–.11	37.83N	29.24E	2	4.0L,3.7			
ISCJB	XII	24 05 55 00.1–.37	37.85N–.01	29.22E–.02	7–3	3.8b,3.6s			
IDC	XII	24 05 55 04.0–5.0	37.88N	29.24E	29–38	3.9,3.8b			
ISC	Event type ke.								
THE	Event type ke. Error ellipse: s-maj=8.3km s-min=1.5km az=83.0.								
NEIC	Event type se. After ISK.								
CSEM	Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=44.0.								
ISCJB	Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=171.4.								
IDC	Error ellipse: s-maj=18.7km s-min=14.6km az=7.0.								
ISC	**XII**	**24 06 15 23.7–.49**	**37.90N–.02**	**29.20E–.03**	**3–4**	**3.4b**	**71**	**1-40**	
ISCJB	XII	24 06 15 22.6–.51	37.89N–.02	29.21E–.03	2–4	3.4b			¶12078778
NEIC	XII	24 06 15 22.0	37.82N	29.21E	4	3.7L			
DDA	XII	24 06 15 22.7	37.90N	29.23E	1–0	3.8L			
IDC	XII	24 06 15 23.7–1.2	37.88N	29.36E	0	3.7,3.6			
CSEM	XII	24 06 15 24.4–.22	37.94N	29.22E	5	3.7L,3.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=174.0.								
NEIC	Event type se. After ISK.								
IDC	Error ellipse: s-maj=27.1km s-min=19.0km az=166.0.								
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=5.3km az=94.0.								
ISK	**XII**	**24 06 20 02.3**	**38.07N**	**28.72E**	**14**	**3.0**			
CSEM	XII	24 06 20 02.3	38.07N	28.72E	14	3.0			¶12865329
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.								
ISC	**XII**	**24 06 32 45.8–.58**	**37.89N–.03**	**29.19E–.07**	**9–8**		**34**	**0-1**	
DDA	XII	24 06 32 44.9	37.90N	29.24E	7–3	2.7			¶12865328
ISCJB	XII	24 06 32 45.3–.62	37.89N–.03	29.19E–.06	6–8	2.7			
ISK	XII	24 06 32 45.8	37.90N	29.10E	18	2.7			
CSEM	XII	24 06 32 45.9–.17	37.89N	29.13E	15	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=8.6km s-min=4.7km az=160.3.								
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=76.0.								
ISC	**XII**	**24 06 35 44.6–.44**	**37.86N–.02**	**29.26E–.05**	**11–6**		**39**	**0-1**	
ISK	XII	24 06 35 43.7	37.86N	29.24E	5	2.8			¶12865327
ISCJB	XII	24 06 35 44.0–.49	37.86N–.02	29.26E–.04	4–7	2.8			
DDA	XII	24 06 35 44.2	37.89N	29.25E	6–3	2.8			
CSEM	XII	24 06 35 44.3–.19	37.84N	29.22E	15	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=164.3.								
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=76.0.								
ISC	**XII**	**24 06 58 24.5–.53**	**37.85N–.03**	**29.21E–.04**	**10**		**32**	**0-1**	
ISCJB	XII	24 06 58 23.8–.52	37.86N–.03	29.23E–.04	10				¶12865324
CSEM	XII	24 06 58 23.9–.31	37.86N	29.24E	2	2.6			
ISK	XII	24 06 58 23.0	37.65N	29.02E	30	2.6			
DDA	XII	24 06 58 23.6	37.88N	29.23E	7–4	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=14.1.								
CSEM	Event type ke. Error ellipse: s-maj=7.7km s-min=5.8km az=88.0.								
ISC	**XII**	**24 07 04 07.0–.53**	**37.87N–.02**	**29.19E–.03**	**6–4**	**3.6s,3.5b**	**104**	**1-74**	
ISK	XII	24 07 04 05.4	37.86N	29.16E	5	3.6,3.5b			¶12078783
IDC	XII	24 07 04 05.4–1.3	37.79N	29.30E	0	3.6,3.6			
NEIC	XII	24 07 04 05.0	37.86N	29.19E	3	3.7L,3.6			
DDA	XII	24 07 04 05.8	37.88N	29.23E	7–4	3.7L,3.6			
ISCJB	XII	24 07 04 06.3–.57	37.87N–.02	29.19E–.03	3–5	3.6s,3.5b			
CSEM	XII	24 07 04 06.4–.14	37.86N	29.18E	2	3.6,3.5b			
ATH	XII	24 07 04 12.1	37.69N	28.82E	44	3.6,3.5b			
ISC	Event type ke.								
IDC	Error ellipse: s-maj=27.4km s-min=20.7km az=160.0.								
NEIC	Event type se. After ISK.								
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=176.5.								
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=79.0.								
ISC	**XII**	**24 07 16 20.4–.47**	**37.91N–.02**	**29.18E–.04**	**1–10**		**38**	**0-2**	
ISK	XII	24 07 16 19.9	37.89N	29.12E	6	2.9			¶12865321
DDA	XII	24 07 16 19.3	37.90N	29.23E	2–3	2.7			
ISCJB	XII	24 07 16 20.0–.42	37.88N–.02	29.15E–.04	10	2.7			
CSEM	XII	24 07 16 20.0–.17	37.90N	29.18E	2	2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=10.5.								
CSEM	Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=106.0.								
ISC	**XII**	**24 07 34 46.7–.43**	**37.87N–.03**	**29.20E–.05**	**11–6**		**44**	**0-1**	
DDA	XII	24 07 34 46.0	37.90N	29.23E	6–3	2.7			¶12865320
ISCJB	XII	24 07 34 46.2–.51	37.87N–.02	29.23E–.05	3–8	2.7			
ISK	XII	24 07 34 46.1	37.84N	29.22E	7	2.7			
CSEM	XII	24 07 34 46.2–.13	37.87N	29.24E	2	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=165.2.								
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=91.0.								
ISC	**XII**	**24 10 04 35.9–.37**	**37.86N–.02**	**29.19E–.03**	**4–3**	**3.7b**	**167**	**0-63**	
ISK	XII	24 10 04 34.9	37.84N	29.20E	4	3.7L			¶12078795
ISCJB	XII	24 10 04 35.4–.35	37.85N–.02	29.18E–.03	9–3	3.7b			
DDA	XII	24 10 04 35.1	37.90N	29.22E	3–2	3.7			
CSEM	XII	24 10 04 35.6–.12	37.85N	29.21E	2	3.7L			
NEIC	XII	24 10 04 35.0	37.82N	29.24E	4	3.8L			
IDC	XII	24 10 04 35.0–1.1	37.89N	29.17E	0	3.8b,3.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=148.0.								
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=56.0.								
NEIC	Event type se. After ISK.								
IDC	Error ellipse: s-maj=21.0km s-min=16.4km az=18.0.								
ISC	**XII**	**24 10 17 53.6–.49**	**37.89N–.03**	**29.25E–.04**	**10–6**		**42**	**0-1**	
ISK	XII	24 10 17 52.7	37.89N	29.21E	11	2.8			¶12865317
ISCJB	XII	24 10 17 53.0–.55	37.89N–.02	29.25E–.04	2–7	2.8			
DDA	XII	24 10 17 53.1	37.91N	29.24E	7–4	2.9			
CSEM	XII	24 10 17 53.2–.14	37.88N	29.26E	8	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=13.9.								

CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=105.0.
ISC XII 24 10 21 10.9–.55 37.88N–.03 29.25E–.05 12–5 40 0-1
ISCJB XII 24 10 21 10.4–.60 37.87N–.03 29.25E–.04 5–6 ¶12865316
ISK XII 24 10 21 10.0 37.87N 29.23E 14 2.7
DDA XII 24 10 21 10.5 37.90N 29.22E 4–2 3.0
CSEM XII 24 10 21 10.3–.13 37.86N 29.28E 10 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=6.6.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=104.0.
ISC XII 24 10 30 47.4–.45 37.87N–.02 29.18E–.03 1–4 3.5b 157 0-40
IDC XII 24 10 30 46.4–1.1 37.89N 29.11E 0 4.4,4.4s ¶12078800
NEIC XII 24 10 30 46.0 37.82N 29.19E 7 3.7L,4.4s
DDA XII 24 10 30 46.7 37.88N 29.21E 7–6 3.9,3.9L
ISK XII 24 10 30 47.2 37.84N 29.17E 8 3.6L,3.9L
CSEM XII 24 10 30 47.5–.12 37.84N 29.18E 5 3.6L,3.9L
ISCJB XII 24 10 30 47.1–.44 37.86N–.02 29.20E–.03 7–4 3.5b,3.9L
ISC Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 24 11 09 57.8–.53 37.85N–.03 29.17E–.06 11–6 36 0-1
ISCJB XII 24 11 09 57.5–.57 37.85N–.03 29.20E–.05 5–7 ¶12865314
CSEM XII 24 11 09 57.3–.23 37.85N 29.22E 2 2.8
ISK XII 24 11 09 57.1 37.79N 29.23E 6 2.8
DDA XII 24 11 09 57.5 37.88N 29.25E 12–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.8km az=162.7.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=99.0.
ISC XII 24 12 09 04.7–.54 37.83N–.03 29.32E–.04 10 32 0-1
CSEM XII 24 12 09 03.5–.30 37.84N 29.36E 2 2.7 ¶12865313
ISCJB XII 24 12 09 04.4–.53 37.82N–.03 29.29E–.04 10 2.7
ISK XII 24 12 09 04.1 37.84N 29.30E 9 2.7
DDA XII 24 12 09 04.0 37.85N 29.32E 3–2 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=5.4km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=4.9.
ISC XII 24 13 05 31.5–.56 37.86N–.03 29.21E–.05 8–6 35 0-1
ISCJB XII 24 13 05 31.2–.53 37.85N–.03 29.21E–.05 10 ¶12865312
ISK XII 24 13 05 31.0 37.90N 29.17E 8 2.6
DDA XII 24 13 05 31.2 37.90N 29.24E 2–3 3.0
CSEM XII 24 13 05 31.0–.20 37.86N 29.24E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=90.0.
ISC XII 24 14 49 38.3–.47 37.93N–.03 29.18E–.04 10 36 0-2
DDA XII 24 14 49 36.2 37.90N 29.30E 7–3 2.8 ¶12865310
ISCJB XII 24 14 49 37.7–.46 37.90N–.03 29.18E–.04 10 2.8
ISK XII 24 14 49 37.8 37.93N 29.15E 5 2.7
CSEM XII 24 14 49 38.0–.14 37.94N 29.19E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=153.9.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=91.0.
ISC XII 24 18 36 47.9–.59 37.91N–.02 29.19E–.04 6–5 3.4b 89 1-63
IDC XII 24 18 36 46.9–1.0 37.78N 29.30E 0 3.6,3.5b ¶12078837
DDA XII 24 18 36 46.8 37.92N 29.21E 5–2 3.5,3.5b
ISCJB XII 24 18 36 47.6–.93 37.90N–.03 29.21E–.04 11–7 3.4b,3.5b
CSEM XII 24 18 36 47.2–.16 37.90N 29.20E 2 3.5,3.5b
NEIC XII 24 18 36 47.0 37.86N 29.13E 5 3.6L,3.5b
ATH XII 24 18 36 51.2 37.89N 28.96E 39 3.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=16.1km az=47.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=177.9.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=81.0.
NEIC Event type se. After ISK.
ATH Error ellipse: s-maj=2.8km s-min=3.3km az=-1.0.
ISC XII 24 18 47 16.4–.52 37.89N–.02 29.25E–.05 0–8 40 0-2
ISK XII 24 18 47 15.3 37.86N 29.22E 5 2.8 ¶12865345
DDA XII 24 18 47 15.6 37.90N 29.27E 7–4 3.0
ISCJB XII 24 18 47 16.1–.44 37.88N–.02 29.23E–.05 10 3.0
CSEM XII 24 18 47 16.0–.20 37.88N 29.26E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.2km az=162.5.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=77.0.
ISC XII 24 19 10 47.1–.49 37.90N–.02 29.25E–.06 5–9 34 0-1
ISCJB XII 24 19 10 46.6–.53 37.90N–.03 29.25E–.06 3–9 ¶12865344
DDA XII 24 19 10 46.2 37.90N 29.27E 7–3 2.8
CSEM XII 24 19 10 46.8–.16 37.90N 29.27E 5 2.6
ISK XII 24 19 10 47.0 37.88N 29.25E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.2km az=165.7.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=85.0.
ISC XII 24 20 31 38.0–.91 38.77N–.04 40.19E–.06 5–9 26 0-2
ISK XII 24 20 31 37.2 38.77N 40.20E 5 2.9 ¶12865343
DDA XII 24 20 31 37.7 38.84N 40.27E 6–5 2.9
CSEM XII 24 20 31 37.9–.67 38.94N 40.02E 2 2.9
ISCJB XII 24 20 31 38.1–.53 38.80N–.03 40.20E–.05 10 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 24 23 11 58.3–.74 37.93N–.04 29.22E–.07 3–11 24 0-1
DDA XII 24 23 11 57.8 37.96N 29.21E 7–2 2.5 ¶12865338
ISCJB XII 24 23 11 58.1–.61 37.94N–.03 29.19E–.06 10 2.5
ISK XII 24 23 11 58.2 37.93N 29.18E 8 2.6
CSEM XII 24 23 11 58.1–.15 37.94N 29.22E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.0km az=172.9.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=92.0.
ISC XII 25 01 00 17.0–.45 39.50N–.02 28.05E–.03 5–5 58 0-2
ISCJB XII 25 01 00 16.4–.49 39.50N–.02 28.04E–.03 2–6 ¶12865397
ISK XII 25 01 00 16.7 39.51N 27.93E 7 2.8
CSEM XII 25 01 00 16.3–.20 39.47N 28.05E 2 3.0
DDA XII 25 01 00 16.4 39.50N 28.08E 7–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=4.0km az=42.9.
CSEM Event type ke.
ISC XII 25 01 38 52.1–.46 39.97N–.03 39.88E–.04 5–5 47 0-2
ISK XII 25 01 38 50.5 39.98N 39.83E 5 2.9 ¶12865395
ISCJB XII 25 01 38 51.7–.39 39.97N–.03 39.86E–.03 10 2.9
DDA XII 25 01 38 51.6 40.01N 39.96E 20–3 3.0
CSEM XII 25 01 38 51.5–.23 39.97N 39.87E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=143.3.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=150.0.
ISC XII 25 02 29 37.3–.61 37.91N–.03 29.24E–.07 13–8 27 0-1
ISCJB XII 25 02 29 36.9–.60 37.91N–.03 29.22E–.06 12–9 ¶12865393
ISK XII 25 02 29 36.7 37.92N 29.23E 9 2.6
DDA XII 25 02 29 36.7 37.91N 29.24E 7–1 2.5
CSEM XII 25 02 29 37.2–.21 37.91N 29.21E 15 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.8km az=10.5.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=100.0.
ISC XII 25 04 48 12.9–.33 40.42N–.02 27.47E–.03 9–4 68 0-2
ISCJB XII 25 04 48 12.5–.34 40.42N–.02 27.47E–.03 6–4 ¶12865388
ISK XII 25 04 48 12.3 40.41N 27.46E 6 2.7
DDA XII 25 04 48 12.4 40.41N 27.45E 16–1 2.8
CSEM XII 25 04 48 12.7–.06 40.42N 27.47E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=158.3.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=178.0.
ISC XII 25 05 15 26.7–.46 37.89N–.02 29.20E–.04 3–4 123 0-3
DDA XII 25 05 15 26.0 37.90N 29.25E 8–3 3.5L,3.4 ¶12865387
ISK XII 25 05 15 25.4 37.87N 29.20E 3 3.3,3.4
ISCJB XII 25 05 15 26.8–.30 37.88N–.02 29.18E–.04 10 3.3,3.4
CSEM XII 25 05 15 26.3–.13 37.87N 29.20E 2 3.3,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=160.8.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=72.0.
ISC XII 25 06 13 07.1–.58 37.92N–.03 29.19E–.07 3–10 28 0-1
ISCJB XII 25 06 13 06.6–.81 37.91N–.04 29.18E–.07 0–12 ¶12865386
CSEM XII 25 06 13 06.8–.20 37.91N 29.21E 2 2.6
DDA XII 25 06 13 06.7 37.91N 29.25E 7–2 2.8
ISK XII 25 06 13 07.0 37.89N 29.17E 9 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.9km az=169.4.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=97.0.
ISC XII 25 07 50 48.2–.50 37.92N–.03 29.24E–.04 2–6 67 0-3
ISK XII 25 07 50 47.6 37.85N 29.21E 5 3.4 ¶12865383
ISCJB XII 25 07 50 48.3–.33 37.89N–.02 29.19E–.04 10 3.4
DDA XII 25 07 50 48.7 37.90N 29.21E 7–5 3.9L
CSEM XII 25 07 50 48.8–.19 37.86N 29.22E 2 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=167.9.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=76.0.
ISC XII 25 08 03 56.0–.67 37.90N–.03 29.24E–.07 12–12 23 0-1
ISK XII 25 08 03 54.7 37.90N 29.24E 5 2.5 ¶12865381
ISCJB XII 25 08 03 55.6–.70 37.90N–.04 29.24E–.08 13–8 2.5
DDA XII 25 08 03 55.4 37.90N 29.25E 7–3 2.6
CSEM XII 25 08 03 55.2–.21 37.88N 29.25E 20 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=4.6km az=158.4.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.7km az=76.0.
ISC XII 25 08 19 24.4–.52 37.91N–.03 29.21E–.06 11–7 34 0-1
DDA XII 25 08 19 23.5 37.90N 29.23E 3–2 2.6 ¶12865380
CSEM XII 25 08 19 23.9–.24 37.90N 29.23E 8 2.6
ISCJB XII 25 08 19 24.0–.56 37.91N–.03 29.23E–.06 4–9 2.6
ISK XII 25 08 19 24.4 37.96N 29.18E 10 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.3km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.8km az=2.8.
ISC XII 25 08 46 12.5–.51 37.91N–.02 29.24E–.05 5–11 36 0-1
DDA XII 25 08 46 11.5 37.91N 29.24E 5–2 2.9 ¶12865379
ISCJB XII 25 08 46 12.1–.57 37.92N–.03 29.23E–.05 2–9 2.9
ISK XII 25 08 46 12.6 37.94N 29.18E 10 2.6
CSEM XII 25 08 46 12.0–.23 37.91N 29.27E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.3km az=175.5.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.2km az=95.0.
ISC XII 25 09 57 42.7–.46 37.90N–.02 29.19E–.04 6–6 45 0-2
ISCJB XII 25 09 57 42.3–.53 37.90N–.02 29.18E–.04 4–6 ¶12865376
ISK XII 25 09 57 42.2 37.89N 29.13E 8 2.9
DDA XII 25 09 57 42.0 37.90N 29.23E 9–3 3.3L,3.0
CSEM XII 25 09 57 42.2–.15 37.89N 29.21E 5 2.9,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=14.6.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=111.0.
ISC XII 25 10 09 03.2–.44 37.90N–.02 29.21E–.04 11–8 48 0-2
ISCJB XII 25 10 09 02.8–.48 37.90N–.02 29.22E–.04 5–6 ¶12865375
ISK XII 25 10 09 02.8 37.90N 29.24E 11 2.6
DDA XII 25 10 09 02.3 37.90N 29.22E 5–2 2.8
CSEM XII 25 10 09 02.6–.20 37.90N 29.23E 5 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=4.8.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.5km az=93.0.
ISC XII 25 11 27 26.7–.30 40.43N–.02 27.42E–.02 4–3 125 0-4
DDA XII 25 11 27 25.7 40.41N 27.44E 7–4 2.9 ¶12865372
CSEM XII 25 11 27 26.6–.09 40.42N 27.42E 5 3.1
ISK XII 25 11 27 26.2 40.42N 27.42E 5 3.1
ISCJB XII 25 11 27 26.3–.34 40.42N–.02 27.42E–.02 4–3 3.1
SOF XII 25 11 27 27.5 40.59N 27.30E 9 3.0
THE XII 25 11 27 28.3 40.36N 27.29E 0–1 2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=7.4.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=85.0.
ISC XII 25 11 58 53.2–.50 37.88N–.02 29.25E–.04 7–10 38 0-2
ISCJB XII 25 11 58 52.6–.54 37.88N–.02 29.24E–.04 1–9 ¶12865368
ISK XII 25 11 58 52.0 37.89N 29.18E 5 2.8
DDA XII 25 11 58 52.7 37.89N 29.24E 7–3 2.8
CSEM XII 25 11 58 52.7–.23 37.88N 29.24E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=11.5.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=115.0.
ISC XII 25 12 12 27.5–.56 39.35N–.03 33.17E–.04 7–12 32 0-2
ISK XII 25 12 12 26.1 39.36N 33.13E 8 2.7 ¶12865365
ISCJB XII 25 12 12 27.2–.72 39.34N–.04 33.17E–.04 3–7 2.7
DDA XII 25 12 12 27.5 39.36N 33.27E 7–4 2.7
CSEM XII 25 12 12 27.0–.29 39.37N 33.16E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.2km az=173.3.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.6km az=167.0.
ISC XII 25 12 15 35.0–.45 37.91N–.02 29.24E–.05 3–15 44 0-2
ISCJB XII 25 12 15 34.7–.43 37.89N–.02 29.21E–.04 7–7 ¶12865364
ISK XII 25 12 15 34.7 37.90N 29.20E 8 2.6
DDA XII 25 12 15 34.1 37.90N 29.22E 4–2 2.8
CSEM XII 25 12 15 34.7–.20 37.90N 29.23E 2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=169.9.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=90.0.
DDA XII 25 14 05 14.0 40.99N 27.22E 7–1 2.7
¶14260086
ISC XII 25 14 19 28.0–.88 37.89N–.04 29.22E–.07 15–7 28 0-1
ISCJB XII 25 14 19 27.9–.80 37.90N–.04 29.18E–.07 12–8 ¶12865362
DDA XII 25 14 19 27.5 37.90N 29.24E 7–2 2.7
CSEM XII 25 14 19 27.4–.40 37.86N 29.28E 15 2.7
ISK XII 25 14 19 29.7 37.90N 29.05E 6 2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.0km az=30.0.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=4.1km az=119.0.
ISC XII 25 18 02 10.0–.44 37.83N–.02 29.24E–.02 0–4 123 1-3
DDA XII 25 18 02 08.8 37.90N 29.26E 7–3 3.2 ¶12865355
ISK XII 25 18 02 09.6 37.78N 29.26E 6 3.4
ATH XII 25 18 02 09.1 37.90N 29.01E 5 3.5
ISCJB XII 25 18 02 10.2–.25 37.85N–.02 29.24E–.02 10 3.5
CSEM XII 25 18 02 10.0–.15 37.78N 29.25E 2 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=110.0.
ISK XII 25 21 06 31.6 37.89N 29.16E 5 3.1
DDA XII 25 21 06 30.3 37.91N 29.21E 5–1 3.1 ¶11525150
CSEM XII 25 21 06 31.8–.12 37.89N 29.19E 2 3.1
NEIC XII 25 21 06 31.6 37.89N 29.17E 5 3.1
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=78.0.
NEIC Event type se. After ISK.
ISC XII 25 21 13 01.3–.49 37.90N–.03 29.14E–.06 14–6 42 0-2
DDA XII 25 21 13 00.7 37.91N 29.24E 7–2 2.9 ¶11525152
CSEM XII 25 21 13 00.9–.21 37.89N 29.13E 12 2.8
ISCJB XII 25 21 13 01.1–.54 37.90N–.04 29.13E–.06 13–7 2.8
ISK XII 25 21 13 01.1 37.87N 29.03E 18 2.8
NEIC XII 25 21 13 01.3 37.87N 28.98E 17 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.1km az=89.0.

ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.2km az=154.3.
NEIC Event type se. After ISK.
ISC XII 25 21 49 01.8–1.6 37.2N–.10 28.24E–.05 17–6 19 0-1
DDA XII 25 21 49 00.7 36.97N 28.11E 7–3 2.6 ¶12865351
ISCJB XII 25 21 49 01.0–.71 37.00N–.05 28.33E–.04 10 2.6
ISK XII 25 21 49 01.3 37.16N 28.21E 17 2.2
CSEM XII 25 21 49 01.6–.50 37.00N 28.32E 2 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=15.1.
CSEM Event type ke. Error ellipse: s-maj=13.5km s-min=9.6km az=19.0.
ISC XII 26 00 40 27.7–.58 38.75N–.03 43.20E–.05 10 22 0-2
ISK XII 26 00 40 25.7 38.73N 43.19E 26 2.5 ¶12865437
CSEM XII 26 00 40 25.7–.24 38.72N 43.24E 30 2.5
ISCJB XII 26 00 40 27.0–.58 38.75N–.03 43.17E–.05 10 2.5
DDA XII 26 00 40 27.1 38.73N 43.18E 7–5 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=5.2km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=12.4.
ISC XII 26 01 03 48.5–.33 39.92N–.02 27.70E–.02 6–2 144 0-3
ISCJB XII 26 01 03 47.7–.34 39.92N–.02 27.71E–.02 2–3 ¶12865436
ISK XII 26 01 03 47.9 39.92N 27.71E 7 3.2
ATH XII 26 01 03 47.0 39.83N 27.78E 22–3 3.4
DDA XII 26 01 03 48.1 39.89N 27.73E 10–2 3.2
CSEM XII 26 01 03 48.3–.08 39.92N 27.70E 5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=148.4.
ATH Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=162.0.
ISC XII 26 08 23 25.3–.45 39.50N–.02 38.51E–.04 8–4 48 0-2
ISCJB XII 26 08 23 24.9–.51 39.52N–.02 38.52E–.04 6–4 ¶12865426
ISK XII 26 08 23 24.3 39.50N 38.51E 6 2.9
CSEM XII 26 08 23 24.7–.14 39.50N 38.48E 5 2.9
DDA XII 26 08 23 24.6 39.50N 38.51E 6–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=13.6.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=94.0.
ISC XII 26 10 40 23.7–.81 38.36N–.05 39.05E–.04 13–7 26 0-1
ISCJB XII 26 10 40 23.5–.71 38.36N–.05 39.06E–.05 12–6 ¶12865422
ISK XII 26 10 40 23.3 38.38N 39.04E 5 2.5
DDA XII 26 10 40 23.9 38.36N 39.02E 7–2 3.0
CSEM XII 26 10 40 23.6–.12 38.39N 39.04E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.7km az=160.2.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=157.0.
ISC XII 26 11 41 57.3–.65 37.33N–.05 36.90E–.06 19–7 30 0-2
ISK XII 26 11 41 54.6 37.25N 37.08E 5 2.8 ¶12865419
DDA XII 26 11 41 56.2 37.31N 37.27E 7–6 2.8
CSEM XII 26 11 41 56.0–.44 37.33N 37.08E 7–6 2.8
ISCJB XII 26 11 41 57.5–.64 37.34N–.05 36.92E–.06 20–9 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 26 11 50 11.9–.41 37.90N–.02 29.21E–.04 4–7 49 0-2
DDA XII 26 11 50 10.9 37.89N 29.24E 8–4 2.9 ¶12865418
ISCJB XII 26 11 50 11.4–.46 37.90N–.02 29.21E–.04 2–6 2.9
ISK XII 26 11 50 11.0 37.90N 29.19E 4 2.9
CSEM XII 26 11 50 11.3–.16 37.90N 29.24E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=170.2.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=89.0.
ISC XII 26 12 26 14.1–.45 37.92N–.02 29.17E–.05 3–7 52 0-2
ISCJB XII 26 12 26 13.9–.40 37.91N–.02 29.14E–.05 10 ¶12865417
ISK XII 26 12 26 13.6 37.91N 29.14E 6 2.7
DDA XII 26 12 26 13.1 37.91N 29.24E 8–4 2.8
CSEM XII 26 12 26 13.6–.18 37.91N 29.17E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.9km az=4.5.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=95.0.
ISK XII 26 14 36 37.0 40.32N 27.82E 5 2.6
CSEM XII 26 14 36 37.3–.12 40.34N 27.84E 5 2.6 ¶12865410
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=177.0.
ISC XII 26 14 37 50.3–.51 37.92N–.02 29.15E–.05 4–8 44 0-2
ISK XII 26 14 37 49.8 37.92N 29.05E 10 2.7 ¶12865409
DDA XII 26 14 37 49.5 37.91N 29.20E 7–3 3.0
ISCJB XII 26 14 37 50.2–.43 37.91N–.02 29.13E–.04 10 3.0
CSEM XII 26 14 37 50.1–.17 37.93N 29.13E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=14.2.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=98.0.
ISC XII 26 15 47 20.7–.50 37.91N–.02 29.22E–.04 3–7 46 0-2
DDA XII 26 15 47 19.9 37.89N 29.20E 7–4 2.9 ¶12865406
ISCJB XII 26 15 47 20.4–.50 37.90N–.02 29.21E–.04 6–5 2.9
ISK XII 26 15 47 20.4 37.90N 29.22E 8 2.8
CSEM XII 26 15 47 20.3–.22 37.90N 29.22E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=12.3.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=106.0.
ISC XII 26 16 05 37.4–.43 37.85N–.03 29.22E–.04 14–4 50 0-2
ISK XII 26 16 05 36.9 37.79N 29.21E 14 2.8 ¶12865405
DDA XII 26 16 05 36.9 37.89N 29.23E 4–2 2.9
CSEM XII 26 16 05 36.8–.17 37.82N 29.24E 10 2.8
ISCJB XII 26 16 05 37.0–.43 37.85N–.02 29.21E–.04 11–5 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 26 17 12 37.5–.47 37.91N–.02 29.20E–.05 7–7 42 0-1
DDA XII 26 17 12 36.6 37.91N 29.24E 4–3 2.8 ¶12865403
ISCJB XII 26 17 12 37.1–.54 37.91N–.02 29.20E–.04 4–6 2.8
ISK XII 26 17 12 37.2 37.95N 29.16E 8 2.7
CSEM XII 26 17 12 37.0–.17 37.91N 29.23E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=7.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=104.0.
ISC XII 26 18 11 54.4–.38 37.90N–.02 29.19E–.03 4–5 72 0-2
ISCJB XII 26 18 11 54.0–.41 37.91N–.02 29.19E–.03 3–5 ¶12865402
ISK XII 26 18 11 53.8 37.89N 29.15E 7 3.0
DDA XII 26 18 11 53.8 37.90N 29.21E 6–3 3.1
CSEM XII 26 18 11 54.1–.16 37.90N 29.19E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=176.3.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=85.0.
ISC XII 26 18 20 25.6–.42 37.89N–.02 29.20E–.04 15–4 57 0-2
ISCJB XII 26 18 20 25.2–.42 37.88N–.02 29.19E–.04 11–5 ¶12865401
ISK XII 26 18 20 25.2 37.91N 29.16E 18 2.9
DDA XII 26 18 20 25.4 37.90N 29.22E 7–5 3.1
CSEM XII 26 18 20 25.2–.15 37.89N 29.20E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.7km az=170.3.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=87.0.
ISC XII 26 18 24 23.8–.61 40.68N–.04 27.41E–.05 7–8 40 0-1
ISCJB XII 26 18 24 23.3–.66 40.68N–.04 27.42E–.04 2–9 ¶12865400
ISK XII 26 18 24 23.4 40.66N 27.41E 10 2.5
DDA XII 26 18 24 23.9 40.63N 27.34E 7–2 2.7
CSEM XII 26 18 24 23.6–.13 40.68N 27.42E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.4km az=33.3.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=25.0.
ISC XII 26 21 16 05.1–.42 39.90N–.03 40.81E–.03 1–5 58 0-2
ISCJB XII 26 21 16 04.8–.49 39.88N–.03 40.81E–.03 3–5 ¶12865398
ISK XII 26 21 16 04.4 39.87N 40.77E 2 3.0
CSEM XII 26 21 16 04.5–.25 39.87N 40.80E 2 3.2
DDA XII 26 21 16 05.0 39.96N 40.82E 7–5 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=0.3.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.9km az=7.0.
ISC XII 26 21 37 10.5–.51 37.91N–.02 29.22E–.06 15–6 37 0-2
ISK XII 26 21 37 08.6 37.90N 29.27E 12 2.7 ¶12865440
CSEM XII 26 21 37 09.7–.18 37.88N 29.20E 15 2.7
ISCJB XII 26 21 37 10.2–.51 37.90N–.02 29.21E–.05 9–8 2.7
DDA XII 26 21 37 10.3 37.89N 29.21E 7–5 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.1km az=179.4.
ISC XII 26 22 55 54.2–.55 38.06N–.03 30.13E–.04 4–5 44 1-2
ISCJB XII 26 22 55 53.8–.62 38.06N–.03 30.15E–.04 1–6 ¶12865439
ISK XII 26 22 55 53.7 38.06N 30.16E 8 2.8
CSEM XII 26 22 55 53.9–.20 38.06N 30.15E 5 2.8
DDA XII 26 22 55 54.5 38.17N 30.13E 7–6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.7km az=149.3.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=4.2km az=82.0.
ISC XII 26 23 42 47.2–.48 37.89N–.03 29.09E–.05 14–4 43 0-2
DDA XII 26 23 42 46.6 37.91N 29.23E 7–5 2.9 ¶12865438
CSEM XII 26 23 42 46.9–.18 37.87N 29.10E 15 2.8
ISCJB XII 26 23 42 47.4–.51 37.89N–.03 29.09E–.05 15–8 2.8
ISK XII 26 23 42 47.1 37.86N 29.04E 20 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=87.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.4km az=175.0.
ISC XII 27 00 58 19.4–.45 37.91N–.02 29.20E–.03 4–4 88 0-12
DDA XII 27 00 58 18.7 37.91N 29.23E 7–3 3.1 ¶11526800
NEIC XII 27 00 58 19.0 37.91N 29.16E 7 3.1
ISK XII 27 00 58 18.7 37.91N 29.17E 5 3.0
ISCJB XII 27 00 58 19.5–.34 37.91N–.02 29.19E–.03 10 3.0
CSEM XII 27 00 58 19.2–.16 37.92N 29.21E 5 3.0
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=164.9.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=72.0.
ISC XII 27 01 12 24.8–.40 37.84N–.02 27.57E–.03 3–5 73 0-3
ISCJB XII 27 01 12 24.0–.44 37.84N–.02 27.58E–.03 0–5 ¶12865483
ISK XII 27 01 12 24.4 37.85N 27.54E 5 3.1
DDA XII 27 01 12 24.4 37.86N 27.58E 7–5 3.0
CSEM XII 27 01 12 25.2–.18 37.81N 27.54E 8 3.0
ATH XII 27 01 12 27.5 37.76N 27.36E 28–1 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=145.5.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=58.0.
ATH Error ellipse: s-maj=1.5km s-min=2.0km az=-1.0.
DDA XII 27 01 38 49.7 40.74N 30.63E 24–0 3.3
ISK XII 27 01 38 48.8 40.72N 30.58E 2 3.2 ¶12865482
CSEM XII 27 01 38 49.9–.16 40.71N 30.55E 2 3.2
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=22.0.
ISC XII 27 01 49 55.0–.92 37.88N–.04 29.24E–.08 6–15 22 0-1
ISCJB XII 27 01 49 54.6–.88 37.88N–.04 29.22E–.07 10–8 ¶12865481
ISK XII 27 01 49 54.3 37.88N 29.21E 4 2.6
CSEM XII 27 01 49 54.7–.26 37.87N 29.23E 8 2.6
DDA XII 27 01 49 55.9 37.96N 29.21E 7–3 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=5.5km az=29.5.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.6km az=120.0.
ISC XII 27 02 41 46.0–.54 37.90N–.02 29.25E–.05 5–7 36 0-2
ISCJB XII 27 02 41 45.6–.55 37.90N–.03 29.23E–.05 6–6 ¶12865480
ISK XII 27 02 41 45.5 37.89N 29.24E 7 2.9
DDA XII 27 02 41 45.2 37.92N 29.25E 9–3 2.9
CSEM XII 27 02 41 45.6–.13 37.90N 29.26E 5 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.3km az=169.9.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=91.0.
ISC XII 27 03 12 11.3–.21 39.29N–.02 36.36E–.02 10 163 1-5
DDA XII 27 03 12 08.5 39.28N 36.35E 14–2 3.8L,3.6 ¶12865478
ISK XII 27 03 12 09.0 39.27N 36.34E 5 3.6,3.6
ISCJB XII 27 03 12 10.6–.21 39.28N–.02 36.35E–.02 10 3.6,3.6
CSEM XII 27 03 12 10.0–.11 39.28N 36.37E 2 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=20.5.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=10.0.
ISC XII 27 05 27 00.4–.49 39.45N–.03 33.04E–.04 2–5 42 0-2
ISK XII 27 05 26 58.9 39.48N 33.05E 3 2.8 ¶12865476
CSEM XII 27 05 26 59.7–.21 39.48N 33.03E 4–2 2.8
ISCJB XII 27 05 27 00.2–.46 39.48N–.03 33.04E–.04 10 2.8
DDA XII 27 05 27 00.1 39.43N 33.08E 7–1 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.5km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=4.0km az=162.7.
ISC XII 27 05 47 10.7–.89 37.96N–.03 29.20E–.07 10 20 0-1
DDA XII 27 05 47 09.3 37.92N 29.25E 7–3 2.7 ¶12865474
CSEM XII 27 05 47 09.5–.35 37.94N 29.22E 30 2.4
ISCJB XII 27 05 47 10.2–.87 37.96N–.03 29.19E–.07 10 2.4
ISK XII 27 05 47 12.1 37.95N 28.94E 5 2.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.0km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=4.3km az=16.8.
ISC XII 27 06 03 22.5–.75 40.15N–.04 31.69E–.05 5–9 40 0-2
DDA XII 27 06 03 21.6 40.16N 31.66E 7–6 3.0 ¶12865473
ISCJB XII 27 06 03 22.2–.74 40.14N–.04 31.66E–.04 6–7 3.0
ISK XII 27 06 03 22.3 40.13N 31.66E 9 2.8
CSEM XII 27 06 03 22.2–.24 40.14N 31.67E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.2km az=13.4.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=5.0km az=27.0.
ISC XII 27 07 18 34.0–.95 37.59N–.08 35.75E–.05 9–12 19 0-1
ISCJB XII 27 07 18 33.8–.90 37.57N–.05 35.77E–.05 10 ¶12865471
DDA XII 27 07 18 33.9 37.51N 35.66E 7–2 2.8
CSEM XII 27 07 18 33.8–.42 37.57N 35.73E 8 2.5
ISK XII 27 07 18 35.3 37.50N 35.90E 10 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.6km az=161.7.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=7.5km az=151.0.
ISC XII 27 08 19 59.3–.46 37.73N–.02 29.18E–.04 9–4 45 0-2
DDA XII 27 08 19 57.9 37.73N 29.23E 14–1 2.8 ¶12865470
ISK XII 27 08 19 58.4 37.69N 29.18E 7 2.8
CSEM XII 27 08 19 58.6–.22 37.72N 29.20E 5 2.8
ISCJB XII 27 08 19 59.0–.43 37.71N–.02 29.16E–.04 10 2.8
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 27 09 47 23.6–.49 38.09N–.03 30.15E–.04 11–5 41 1-2
ISCJB XII 27 09 47 22.8–.51 38.09N–.03 30.14E–.04 7–6 ¶12865469
ISK XII 27 09 47 22.5 38.05N 30.12E 8 2.8
DDA XII 27 09 47 23.9 38.14N 30.13E 7–6 2.9
CSEM XII 27 09 47 23.0–.23 38.09N 30.13E 8 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=9.3.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.8km az=89.0.
ISC XII 27 11 07 22.1–.42 41.06N–.02 34.53E–.03 10 47 0-2
ISK XII 27 11 07 20.8 41.07N 34.55E 5 2.9 ¶12865468
ISCJB XII 27 11 07 21.2–.42 41.04N–.02 34.54E–.03 10 2.9
DDA XII 27 11 07 21.5 41.07N 34.52E 3–5 3.0
CSEM XII 27 11 07 22.1–.18 41.06N 34.56E 2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.4km az=11.5.

CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.7km az=108.0.
ISC XII 27 11 36 04.7–.60 37.09N–.05 27.91E–.03 1–16 24 0-2
ISK XII 27 11 36 01.4 37.19N 27.90E 21 2.3 ¶12865467
CSEM XII 27 11 36 03.9–.41 37.06N 27.93E 2 2.3
ISCJB XII 27 11 36 04.0–.59 37.09N–.04 27.91E–.03 10 2.3
DDA XII 27 11 36 04.5 37.09N 27.92E 7–6 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=7.3km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=6.0.
ISC XII 27 11 46 27.4–.44 40.78N–.02 30.24E–.03 2–3 115 0-4
DDA XII 27 11 46 26.3 40.80N 30.25E 5–3 3.2 ¶12865466
ISCJB XII 27 11 46 27.0–.44 40.77N–.02 30.23E–.03 1–3 3.2
ISK XII 27 11 46 27.2 40.74N 30.21E 5 3.1
CSEM XII 27 11 46 27.3–.15 40.76N 30.23E 2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.5km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=30.0.
ISC XII 27 14 04 40.3–.60 37.27N–.04 37.22E–.06 4–6 32 0-2
ISK XII 27 14 04 39.1 37.28N 37.24E 5 2.8 ¶12865462
ISCJB XII 27 14 04 40.4–.53 37.25N–.04 37.21E–.06 10 2.8
DDA XII 27 14 04 40.7 37.25N 37.18E 7–3 2.8
CSEM XII 27 14 04 40.0–.27 37.28N 37.20E 5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.1km az=35.1.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=5.4km az=114.0.
ISC XII 27 14 22 02.4–.45 40.18N–.03 30.02E–.03 7–6 44 0-2
ISCJB XII 27 14 22 02.0–.48 40.17N–.04 30.03E–.03 1–7 ¶12865461
ISK XII 27 14 22 01.7 40.19N 30.02E 3 2.7
DDA XII 27 14 22 01.9 40.16N 30.02E 7–6 2.7
CSEM XII 27 14 22 02.2–.17 40.18N 30.01E 5 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.7km az=22.8.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=20.0.
ISC XII 27 15 29 19.4–.66 37.89N–.03 29.24E–.06 5–15 22 0-1
ISCJB XII 27 15 29 18.8–.66 37.89N–.03 29.24E–.06 1–17 ¶12865460
DDA XII 27 15 29 18.9 37.88N 29.23E 7–2 2.8
CSEM XII 27 15 29 18.6–.27 37.85N 29.29E 2 2.7
ISK XII 27 15 29 19.3 37.90N 29.16E 8 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=5.0km az=10.6.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.4km az=113.0.
ISC XII 27 15 33 22.2–.70 40.19N–.04 31.70E–.05 10–7 40 0-2
DDA XII 27 15 33 20.6 40.19N 31.76E 7–5 3.0 ¶12865459
ISCJB XII 27 15 33 21.4–.76 40.18N–.04 31.70E–.04 3–7 3.0
ISK XII 27 15 33 21.8 40.15N 31.65E 17 3.0
CSEM XII 27 15 33 21.7–.33 40.17N 31.68E 10 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.3km az=170.5.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.8km az=8.0.
ISC XII 27 16 37 39.3–.49 37.89N–.03 29.22E–.05 10–6 38 0-1
ISCJB XII 27 16 37 39.0–.53 37.89N–.03 29.23E–.05 5–7 ¶12865457
DDA XII 27 16 37 38.9 37.89N 29.24E 7–3 2.8
CSEM XII 27 16 37 38.9–.18 37.89N 29.24E 5 2.6
ISK XII 27 16 37 39.0 37.90N 29.21E 12 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=14.4.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=100.0.
ISC XII 27 17 53 26.6–.55 37.89N–.03 29.20E–.07 8–9 28 0-1
ISCJB XII 27 17 53 26.2–.61 37.89N–.03 29.21E–.07 2–10 ¶12865456
ISK XII 27 17 53 26.4 37.89N 29.12E 13 2.7
CSEM XII 27 17 53 26.4–.15 37.89N 29.21E 5 2.7
DDA XII 27 17 53 26.3 37.89N 29.21E 7–2 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.1km az=8.9.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=97.0.
ISC XII 27 17 57 48.8–.35 37.52N–.02 27.24E–.04 10 65 0-3
ISK XII 27 17 57 46.8 37.51N 27.19E 4 3.2 ¶12865455
ISCJB XII 27 17 57 48.2–.34 37.53N–.02 27.25E–.03 10 3.2
ATH XII 27 17 57 48.3 37.48N 27.19E 5–2 3.0
DDA XII 27 17 57 48.6 37.56N 27.25E 7–2 3.2L
CSEM XII 27 17 57 48.0–.16 37.50N 27.22E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=145.7.
ATH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=52.0.
ISC XII 27 18 30 51.1–.97 37.87N–.05 29.26E–.08 10 16 0-1
ISCJB XII 27 18 30 51.0–.91 37.88N–.04 29.23E–.08 10 ¶12865453
ISK XII 27 18 30 50.5 37.89N 29.24E 5 2.7
CSEM XII 27 18 30 50.3–.21 37.85N 29.31E 2 2.7
DDA XII 27 18 30 51.2 37.88N 29.18E 7–1 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=5.5km az=22.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.9km az=138.0.
ISC XII 27 19 06 17.8–.73 37.89N–.04 29.20E–.08 10 18 0-1
DDA XII 27 19 06 16.9 37.89N 29.22E 7–2 2.7L ¶12865452
ISCJB XII 27 19 06 17.6–.70 37.90N–.04 29.17E–.08 10 2.7L
CSEM XII 27 19 06 17.3–.32 37.90N 29.26E 2 2.7
ISK XII 27 19 06 17.9 37.94N 29.20E 7 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.1km s-min=5.1km az=18.2.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=6.0km az=124.0.
ISC XII 27 19 25 08.2–.30 40.84N–.02 28.04E–.02 7–3 116 0-5
SOF XII 27 19 25 05.1 40.78N 27.99E 2 2.7 ¶12865450
ISCJB XII 27 19 25 07.5–.32 40.84N–.02 28.04E–.02 6–3 2.7
ISK XII 27 19 25 07.4 40.83N 28.04E 9 3.2,3.0L
CSEM XII 27 19 25 07.9–.09 40.84N 28.03E 8 3.2,3.0L
DDA XII 27 19 25 07.6 40.84N 28.04E 26–1 3.3,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=154.5.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=173.0.
ISC XII 27 21 28 08.1–.47 39.39N–.02 26.04E–.03 6–3 148 0-3
ATH XII 27 21 28 06.2 39.44N 25.95E 9–2 3.1 ¶12865449
DDA XII 27 21 28 07.0 39.38N 25.99E 7–2 3.1
ISK XII 27 21 28 06.5 39.41N 25.97E 7 3.3
THE XII 27 21 28 07.9 39.37N 26.05E 0–1 3.1L
ISCJB XII 27 21 28 07.6–.57 39.40N–.02 26.04E–.03 6–4 3.1L
CSEM XII 27 21 28 07.8–.11 39.38N 26.04E 5 3.1L
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=142.7.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=21.0.
ISC XII 27 22 52 25.1–.39 37.83N–.02 29.20E–.02 1–3 3.6b 276 0-41
DDA XII 27 22 52 23.6 37.88N 29.20E 5–3 3.9 ¶13404196
IDC XII 27 22 52 23.9–1.0 37.88N 29.17E 0 3.7b,3.7
ISCJB XII 27 22 52 24.2–.37 37.83N–.02 29.19E–.02 3–3 3.6b,3.7
ISK XII 27 22 52 24.6 37.80N 29.20E 6 3.8L,3.7
NEIC XII 27 22 52 24.0 37.79N 29.18E 6 3.8L,3.7
THE XII 27 22 52 25.8 37.96N 29.29E 1–2 4.3L,3.7
CSEM XII 27 22 52 25.3–.10 37.84N 29.22E 2 3.8L,3.7
ATH XII 27 22 52 25.6 37.97N 29.14E 23–5 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=14.9km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=157.6.
NEIC Event type se. After ISK.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.8km az=65.0.
ATH Error ellipse: s-maj=2.0km s-min=3.0km az=-1.0.
ISC XII 27 23 34 25.8–.55 37.89N–.03 29.18E–.08 10–8 28 0-1
ISCJB XII 27 23 34 25.4–.62 37.89N–.03 29.20E–.07 4–10 ¶12865445
ISK XII 27 23 34 25.1 37.90N 29.16E 8 2.6
DDA XII 27 23 34 25.6 37.88N 29.20E 7–1 2.5
CSEM XII 27 23 34 25.4–.13 37.88N 29.17E 8 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=4.8km az=10.9.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=98.0.
ISC XII 27 23 38 18.5–1.1 37.89N–.05 29.09E–.08 16–11 17 0-1
ISK XII 27 23 38 17.6 37.91N 29.12E 5 2.7 ¶12865443
ISCJB XII 27 23 38 18.8–1.8 37.9N–.10 29.0E–.20 18–14 2.7
DDA XII 27 23 38 18.2 37.89N 29.21E 7–2 2.6
CSEM XII 27 23 38 18.4–.29 37.90N 29.16E 2 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.0km s-min=10.1km az=141.2.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=5.7km az=123.0.
ISC XII 28 03 34 52.2–.95 37.92N–.04 29.2E–.10 7–17 18 0-1
ISCJB XII 28 03 34 51.9–.98 37.93N–.04 29.2E–.10 4–19 ¶12865540
DDA XII 28 03 34 51.7 37.89N 29.20E 7–1 2.7
CSEM XII 28 03 34 51.8–.34 37.92N 29.26E 2 2.6
ISK XII 28 03 34 52.0 37.96N 29.21E 6 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=6.8km az=3.5.
CSEM Event type ke. Error ellipse: s-maj=11.2km s-min=6.1km az=123.0.
ISC XII 28 03 57 28.0–.56 39.17N–.06 42.31E–.04 23–12 26 0-2
ISK XII 28 03 57 26.6 39.13N 42.32E 16 2.9 ¶12865536
CSEM XII 28 03 57 26.6–.30 39.14N 42.30E 20 2.9
ISCJB XII 28 03 57 28.0–.52 39.18N–.06 42.32E–.04 25–8 2.9
DDA XII 28 03 57 27.4 39.17N 42.29E 7–3 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.1km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.8km az=171.4.
ISC XII 28 05 54 58.3–.76 37.88N–.03 29.24E–.07 7–10 30 0-1
DDA XII 28 05 54 57.5 37.89N 29.24E 7–2 2.6 ¶12865533
CSEM XII 28 05 54 57.7–.21 37.88N 29.27E 2 2.6
ISCJB XII 28 05 54 58.1–.68 37.90N–.04 29.23E–.05 7–6 2.6
ISK XII 28 05 54 58.0 37.91N 29.23E 8 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=136.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.7km az=37.9.
ISC XII 28 06 10 33.9–.72 37.89N–.04 29.18E–.08 10 20 0-1
ISK XII 28 06 10 32.8 37.94N 29.16E 5 2.6 ¶12865532
ISCJB XII 28 06 10 33.3–.72 37.90N–.04 29.19E–.08 10 2.6
DDA XII 28 06 10 33.0 37.89N 29.20E 7–2 2.6
CSEM XII 28 06 10 33.5–.31 37.91N 29.18E 0–4 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=3.8km az=26.9.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=5.6km az=108.0.
ISC XII 28 07 56 11.4–.95 37.90N–.03 29.17E–.05 14–12 28 0-1
DDA XII 28 07 56 10.9 37.89N 29.23E 7–2 2.8 ¶12865531
ISCJB XII 28 07 56 11.1–.54 37.90N–.03 29.19E–.04 10–8 2.8
ISK XII 28 07 56 11.0 37.87N 29.19E 12 2.6
CSEM XII 28 07 56 11.0–.15 37.89N 29.20E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.0km az=35.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=104.0.
ISC XII 28 08 08 27.1–.72 37.93N–.04 29.11E–.08 18–8 23 0-1
ISK XII 28 08 08 26.4 37.99N 29.17E 5 2.5 ¶12865530
DDA XII 28 08 08 26.7 37.89N 29.21E 7–3 2.6
CSEM XII 28 08 08 26.7–.35 37.92N 29.14E 15 2.6
ISCJB XII 28 08 08 27.0–.87 37.91N–.05 29.12E–.09 21–11 2.6
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 28 08 16 20.3–.54 37.84N–.03 36.72E–.03 9–5 42 1-2
ISK XII 28 08 16 18.9 37.89N 36.70E 5 2.9 ¶12865529
DDA XII 28 08 16 18.4 37.81N 36.68E 7–6 3.3
CSEM XII 28 08 16 19.8–.30 37.86N 36.70E 10 3.3
ISCJB XII 28 08 16 20.5–.82 37.84N–.03 36.70E–.03 13–7 3.3
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 28 08 52 24.2–.34 37.87N–.01 29.17E–.02 1–3 3.5b,3.3s 203 0-76
ATH XII 28 08 52 21.5 37.98N 29.12E 5–2 3.9,3.3s ¶12079256
DDA XII 28 08 52 22.5 37.91N 29.19E 8–3 3.8L,3.5
IDC XII 28 08 52 22.2–1.2 37.91N 29.08E 0 3.8L,3.7b
ISCJB XII 28 08 52 23.3–.34 37.89N–.01 29.16E–.02 1–3 3.5b,3.3s
ISK XII 28 08 52 23.7 37.79N 29.20E 5 3.9,3.8L
CSEM XII 28 08 52 23.4–.13 37.92N 29.17E 2 3.9,3.8L
NEIC XII 28 08 52 24.0 37.80N 29.19E 5 3.8L,3.8L
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=26.0km s-min=19.7km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=35.3.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.2km az=99.0.
NEIC Event type se. After ISK.
ISC XII 28 09 30 32.9–.43 37.90N–.02 29.20E–.04 12–5 45 0-1
ISK XII 28 09 30 31.9 37.93N 29.20E 4 2.6 ¶12865525
ISCJB XII 28 09 30 32.6–.46 37.90N–.02 29.22E–.04 8–5 2.6
DDA XII 28 09 30 32.4 37.90N 29.22E 4–3 3.0
CSEM XII 28 09 30 32.4–.18 37.89N 29.22E 10 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=2.7.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=80.0.
ISC XII 28 09 36 35.8–.42 37.91N–.02 29.18E–.04 4–10 48 0-1
DDA XII 28 09 36 34.6 37.89N 29.23E 5–3 2.8 ¶12865524
ISCJB XII 28 09 36 35.4–.41 37.90N–.02 29.15E–.03 9–6 2.8
ISK XII 28 09 36 35.9 37.89N 29.12E 7 2.6
CSEM XII 28 09 36 35.4–.17 37.91N 29.20E 2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=160.3.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=83.0.
ISC XII 28 09 38 04.3–.52 37.91N–.03 29.19E–.05 13–6 32 0-1
ISK XII 28 09 38 03.9 37.89N 29.20E 4 2.6 ¶12865523
DDA XII 28 09 38 03.5 37.90N 29.24E 2–3 2.8
ISCJB XII 28 09 38 04.0–.56 37.91N–.03 29.21E–.05 9–5 2.8
CSEM XII 28 09 38 04.0–.17 37.90N 29.22E 12 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=5.8.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=87.0.
ISC XII 28 10 26 55.9–.54 37.88N–.03 29.21E–.05 15–8 37 0-1
ISK XII 28 10 26 54.5 37.90N 29.18E 5 2.6 ¶12865522
ISCJB XII 28 10 26 55.7–.49 37.89N–.03 29.21E–.04 10–10 2.6
CSEM XII 28 10 26 55.1–.12 37.86N 29.24E 15 2.6
DDA XII 28 10 26 59.2 38.03N 29.74E 5–25 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=92.0.
ISC XII 28 10 40 21.1–.40 39.16N–.02 42.32E–.03 4–5 64 1-4
ISK XII 28 10 40 19.8 39.15N 42.34E 5 3.3 ¶12865520
DDA XII 28 10 40 19.9 39.14N 42.33E 18–2 3.4
ISCJB XII 28 10 40 20.5–.32 39.15N–.02 42.33E–.02 10 3.4
CSEM XII 28 10 40 20.5–.19 39.14N 42.35E 2 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=10.8.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=21.0.
ISC XII 28 10 53 26.7–1.1 37.88N–.03 29.21E–.09 11–6 30 0-1
ISCJB XII 28 10 53 26.6–1.0 37.90N–.03 29.19E–.08 3–8 ¶12865519
DDA XII 28 10 53 26.4 37.89N 29.22E 7–3 2.7
CSEM XII 28 10 53 26.3–.19 37.87N 29.23E 8 2.5
ISK XII 28 10 53 27.2 37.90N 29.06E 5 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.6km az=12.1.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.0km az=107.0.

ISC	**XII**	**28 11 57 09.9–.64**	**37.89N–.03**	**29.19E–.05**	**11–10**		**28**	**0-1**	
ISCJB	XII	28 11 57 09.4–.59	37.89N–.03	29.20E–.04	11–8				¶12865517
ISK	XII	28 11 57 09.1	37.89N	29.20E	8	2.7			
DDA	XII	28 11 57 09.4	37.89N	29.20E	7–1	2.8			
CSEM	XII	28 11 57 09.4–.15	37.89N	29.20E	10	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=37.7.								
CSEM	Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=133.0.								
ISC	**XII**	**28 12 14 10.4–1.1**	**37.89N–.03**	**29.19E–.06**	**16–14**		**22**	**0-1**	
ISCJB	XII	28 12 14 10.3–.73	37.90N–.03	29.1E–.10	15–11				¶12865515
DDA	XII	28 12 14 10.0	37.90N	29.20E	7–5	2.5			
CSEM	XII	28 12 14 10.0–.25	37.88N	29.21E	15	2.5			
ISK	XII	28 12 14 11.0	37.90N	29.10E	9	2.5			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=15.4km s-min=5.4km az=178.2.								
CSEM	Event type ke. Error ellipse: s-maj=6.8km s-min=4.3km az=98.0.								
ISC	**XII**	**28 14 09 05.1–.61**	**37.87N–.04**	**29.23E–.04**	**17–5**		**31**	**0-1**	
ISCJB	XII	28 14 09 04.9–.58	37.88N–.04	29.25E–.04	12–6				¶12865511
ISK	XII	28 14 09 04.0	37.91N	29.25E	5	2.4			
DDA	XII	28 14 09 04.4	37.91N	29.19E	3–3	2.7			
CSEM	XII	28 14 09 04.3–.21	37.86N	29.26E	15	2.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=4.6km az=145.9.								
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=132.0.								
ISC	**XII**	**28 14 10 01.4–.52**	**37.89N–.03**	**29.19E–.04**	**11–5**		**38**	**0-2**	
ISCJB	XII	28 14 10 01.0–.57	37.90N–.03	29.20E–.04	6–5				¶12865510
ISK	XII	28 14 10 00.5	37.89N	29.14E	14	2.7			
CSEM	XII	28 14 10 00.9–.18	37.88N	29.19E	10	2.7			
DDA	XII	28 14 10 01.1	37.92N	29.23E	3–2	2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=10.0.								
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=95.0.								
ISC	**XII**	**28 15 16 06.0–1.2**	**37.93N–.05**	**29.26E–.09**	**10**		**14**	**0-1**	
ISCJB	XII	28 15 16 05.7–1.1	37.94N–.05	29.24E–.09	10				¶14260147
DDA	XII	28 15 16 05.5	37.95N	29.21E	3–1	2.5			
CSEM	XII	28 15 16 05.5–.59	37.95N	29.22E	15	2.5			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=10.8km s-min=5.6km az=27.7.								
CSEM	Event type ke. Error ellipse: s-maj=15.1km s-min=9.1km az=112.0.								
ISC	**XII**	**28 17 06 50.4–.47**	**37.87N–.03**	**29.20E–.04**	**12–6**		**42**	**0-1**	
ISCJB	XII	28 17 06 49.8–.46	37.87N–.02	29.20E–.03	9–7				¶12865509
ISK	XII	28 17 06 49.4	37.88N	29.19E	7	2.7			
DDA	XII	28 17 06 49.9	37.88N	29.22E	7–3	2.8			
CSEM	XII	28 17 06 49.9–.14	37.86N	29.21E	10	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=173.3.								
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=90.0.								
ISC	**XII**	**28 17 15 50.5–1.2**	**37.90N–.03**	**29.16E–.07**	**8–27**		**24**	**0-1**	
ISCJB	XII	28 17 15 49.9–.61	37.91N–.03	29.17E–.06	10				¶12865506
ISK	XII	28 17 15 49.8	37.90N	29.10E	14	2.5			
DDA	XII	28 17 15 49.5	37.89N	29.21E	7–2	2.8			
CSEM	XII	28 17 15 50.1–.22	37.91N	29.16E	2	2.5			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.2km s-min=3.8km az=176.2.								
CSEM	Event type ke. Error ellipse: s-maj=6.3km s-min=3.5km az=86.0.								
ISC	**XII**	**28 18 01 29.1–.54**	**37.89N–.03**	**29.19E–.04**	**16–8**		**38**	**0-1**	
ISCJB	XII	28 18 01 28.7–.53	37.89N–.03	29.19E–.04	12–8				¶12865504
ISK	XII	28 18 01 28.5	37.91N	29.24E	17	2.6			
CSEM	XII	28 18 01 28.7–.21	37.89N	29.23E	12	2.6			
DDA	XII	28 18 01 29.0	37.90N	29.20E	7–2	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.9km s-min=4.1km az=161.4.								
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=72.0.								
ISC	**XII**	**28 18 35 02.9–.94**	**37.90N–.03**	**29.22E–.07**	**12–7**		**30**	**0-1**	
ISCJB	XII	28 18 35 02.8–.86	37.90N–.03	29.20E–.07	5–8				¶12865503
DDA	XII	28 18 35 02.1	37.88N	29.22E	7–2	2.6			
CSEM	XII	28 18 35 02.7–.42	37.91N	29.23E	2	2.6			
ISK	XII	28 18 35 04.0	37.94N	29.01E	5	2.5			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=9.9km s-min=4.3km az=19.0.								
CSEM	Event type ke. Error ellipse: s-maj=9.2km s-min=4.5km az=108.0.								
ISC	**XII**	**28 18 49 31.1–.54**	**37.90N–.03**	**29.20E–.04**	**9–10**		**37**	**0-1**	
ISK	XII	28 18 49 29.7	37.92N	29.17E	5	2.6			¶12865502
ISCJB	XII	28 18 49 30.7–.50	37.90N–.02	29.20E–.04	1–9	2.6			
DDA	XII	28 18 49 30.5	37.89N	29.24E	7–2	2.8			
CSEM	XII	28 18 49 30.5–.14	37.89N	29.22E	5	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=9.7.								
CSEM	Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=90.0.								
ISC	**XII**	**28 18 53 51.7–.74**	**36.90N–.03**	**35.95E–.05**	**14–10**		**27**	**0-2**	
ISK	XII	28 18 53 50.2	36.88N	36.00E	11	2.6			¶12865501
ISCJB	XII	28 18 53 51.3–.56	36.90N–.03	35.98E–.04	3–13	2.6			
DDA	XII	28 18 53 51.5	36.89N	35.94E	7–1	2.6			
CSEM	XII	28 18 53 51.8–.25	36.89N	35.97E	2	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=5.0km az=20.2.								
CSEM	Event type ke. Error ellipse: s-maj=4.8km s-min=4.6km az=144.0.								
ISC	**XII**	**28 20 00 32.6–.45**	**37.90N–.02**	**29.23E–.04**	**11–5**		**45**	**0-1**	
ISK	XII	28 20 00 31.0	37.91N	29.24E	2	2.6			¶12865500
ISCJB	XII	28 20 00 32.2–.47	37.90N–.02	29.24E–.04	7–6	2.6			
DDA	XII	28 20 00 32.2	37.89N	29.23E	7–3	2.7			
CSEM	XII	28 20 00 32.0–.11	37.88N	29.25E	8	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=0.8.								
CSEM	Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=77.0.								
ISC	**XII**	**28 20 03 12.2–.55**	**38.90N–.03**	**27.96E–.04**	**13–5**		**42**	**1-2**	
ISCJB	XII	28 20 03 11.4–.71	38.92N–.03	27.95E–.03	3–7				¶12865499
ISK	XII	28 20 03 11.5	38.87N	27.97E	19	2.8			
DDA	XII	28 20 03 11.4	38.90N	27.95E	7–3	2.7			
CSEM	XII	28 20 03 11.8–.15	38.90N	27.96E	12	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=4.3km az=163.8.								
CSEM	Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=10.0.								
ISC	**XII**	**28 20 16 37.8–.71**	**38.77N–.04**	**43.75E–.07**	**13–11**		**28**	**0-2**	
ISK	XII	28 20 16 36.8	38.78N	43.73E	2	2.7			¶12865498
ISCJB	XII	28 20 16 37.3–.87	38.77N–.04	43.75E–.07	3–16	2.7			
CSEM	XII	28 20 16 37.3–.33	38.76N	43.74E	2	2.7			
DDA	XII	28 20 16 38.7	38.76N	43.65E	20–0	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=9.8km s-min=5.2km az=25.6.								
CSEM	Event type ke. Error ellipse: s-maj=8.4km s-min=4.5km az=102.0.								
ISC	**XII**	**28 20 33 42.5–.53**	**37.88N–.02**	**29.22E–.04**	**1–6**		**56**	**0-2**	
DDA	XII	28 20 33 41.7	37.89N	29.22E	5–4	3.0			¶12865497
ISCJB	XII	28 20 33 42.5–.42	37.88N–.02	29.21E–.04	10	3.0			
ISK	XII	28 20 33 42.0	37.89N	29.19E	5	3.0			
CSEM	XII	28 20 33 42.3–.10	37.88N	29.20E	2	3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=16.6.								
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=101.0.								
ISC	**XII**	**28 21 04 18.9–.58**	**37.94N–.03**	**29.23E–.05**	**18–5**		**28**	**0-1**	
DDA	XII	28 21 04 16.4	37.85N	29.27E	7–6	2.9			¶12865492
ISK	XII	28 21 04 18.2	37.96N	29.24E	13	2.6			
CSEM	XII	28 21 04 18.6–.19	37.95N	29.23E	19–2	2.9			
ISCJB	XII	28 21 04 19.3–.59	37.94N–.03	29.22E–.05	19–10	2.9			
ISC	Event type ke.								
CSEM	Event type ke.								
ISCJB	Event type ke.								
ISC	**XII**	**28 21 34 33.8–.41**	**37.89N–.02**	**29.19E–.03**	**4–5**		**69**	**0-3**	
DDA	XII	28 21 34 33.0	37.88N	29.23E	10–3	3.0			¶12865491
ISCJB	XII	28 21 34 33.2–.48	37.89N–.02	29.20E–.03	1–5	3.0			
ISK	XII	28 21 34 33.0	37.89N	29.16E	8	3.1			
CSEM	XII	28 21 34 33.4–.13	37.88N	29.18E	5	3.1			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=163.7.								
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=67.0.								
ISC	**XII**	**28 22 24 09.8–.51**	**37.90N–.03**	**29.20E–.04**	**10–6**		**34**	**0-1**	
ISK	XII	28 22 24 08.0	37.89N	29.19E	5	2.6			¶12865489
ISCJB	XII	28 22 24 09.3–.52	37.90N–.03	29.21E–.04	5–8	2.6			
DDA	XII	28 22 24 09.6	37.90N	29.21E	7–4	2.8			
CSEM	XII	28 22 24 09.4–.21	37.89N	29.20E	8	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=174.0.								
CSEM	Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=75.0.								
ISC	**XII**	**29 00 17 40.7–.69**	**37.90N–.03**	**29.22E–.07**	**12–10**		**26**	**0-1**	
ISCJB	XII	29 00 17 40.2–.66	37.89N–.04	29.20E–.09	15–13				¶12865609
DDA	XII	29 00 17 40.4	37.87N	29.24E	5–0	2.6			
CSEM	XII	29 00 17 40.4–.27	37.89N	29.23E	5	2.6			
ISK	XII	29 00 17 40.1	37.90N	29.22E	13	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=12.7km s-min=5.7km az=162.9.								
CSEM	Event type ke. Error ellipse: s-maj=6.9km s-min=4.7km az=104.0.								
ISC	**XII**	**29 00 18 48.1–.59**	**37.92N–.03**	**29.21E–.06**	**7–11**		**26**	**0-1**	
ISCJB	XII	29 00 18 47.6–.59	37.92N–.03	29.20E–.06	4–12				¶12865608
DDA	XII	29 00 18 47.3	37.87N	29.24E	10–0	2.7			
CSEM	XII	29 00 18 47.6–.20	37.91N	29.23E	2	2.6			
ISK	XII	29 00 18 47.3	37.93N	29.21E	9	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=8.4km s-min=4.6km az=9.2.								
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=3.8km az=97.0.								
ISC	**XII**	**29 03 50 34.8–.54**	**37.91N–.03**	**29.22E–.04**	**3–5**		**47**	**0-2**	
ISK	XII	29 03 50 33.8	37.90N	29.18E	3	3.0			¶12865595
ISCJB	XII	29 03 50 34.4–.55	37.91N–.03	29.20E–.04	2–6	3.0			
DDA	XII	29 03 50 34.1	37.87N	29.25E	7–2	3.0			
CSEM	XII	29 03 50 34.3–.12	37.90N	29.24E	2	3.0			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=156.8.								
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=68.0.								
ISC	**XII**	**29 05 31 51.9–.72**	**37.91N–.04**	**29.20E–.06**	**3–15**		**26**	**0-1**	
ISK	XII	29 05 31 50.6	37.95N	29.19E	6	2.6			¶12865588
ISCJB	XII	29 05 31 51.2–.69	37.91N–.03	29.20E–.06	10	2.6			
DDA	XII	29 05 31 51.1	37.89N	29.21E	7–5	2.5			
CSEM	XII	29 05 31 51.3–.35	37.90N	29.18E	8	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=25.8.								
CSEM	Event type ke. Error ellipse: s-maj=9.0km s-min=6.1km az=116.0.								
ISC	**XII**	**29 06 19 08.6–.62**	**37.50N–.05**	**35.74E–.05**	**13–6**		**18**	**0-1**	
ISK	XII	29 06 19 06.0	37.61N	35.68E	12	2.5			¶12865586
ISCJB	XII	29 06 19 08.3–.60	37.50N–.04	35.73E–.04	10	2.5			
CSEM	XII	29 06 19 08.2–.32	37.44N	35.73E	15	2.5			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.1km s-min=4.6km az=177.7.								
CSEM	Event type ke. Error ellipse: s-maj=8.9km s-min=7.0km az=175.0.								
ISC	**XII**	**29 07 05 36.8–.82**	**38.39N–.06**	**39.07E–.06**	**16–5**		**22**	**0-1**	
ISCJB	XII	29 07 05 36.9–.81	38.39N–.06	39.07E–.06	13–5				¶12865583
ISK	XII	29 07 05 36.5	38.44N	39.07E	15	2.5			
CSEM	XII	29 07 05 36.4–.35	38.41N	39.07E	14–3	2.8			
DDA	XII	29 07 05 37.0	38.38N	39.01E	7–3	2.8			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=10.2km s-min=7.7km az=7.7.								
CSEM	Event type ke. Error ellipse: s-maj=9.3km s-min=5.5km az=159.0.								
ISC	**XII**	**29 09 43 39.7–.52**	**37.91N–.02**	**29.11E–.06**	**4–15**		**31**	**0-1**	
DDA	XII	29 09 43 38.7	37.89N	29.23E	7–1	2.8			¶12865580
ISCJB	XII	29 09 43 39.2–.51	37.90N–.03	29.08E–.06	10	2.8			
ISK	XII	29 09 43 39.2	37.90N	29.04E	7	2.6			
CSEM	XII	29 09 43 39.3–.24	37.91N	29.13E	2	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=3.7km az=177.8.								
CSEM	Event type ke. Error ellipse: s-maj=7.5km s-min=4.1km az=91.0.								
ISC	**XII**	**29 10 18 03.3–.54**	**37.88N–.03**	**29.23E–.04**	**18–6**		**41**	**0-1**	
ISCJB	XII	29 10 18 02.9–.53	37.88N–.03	29.23E–.04	13–7				¶12865579
DDA	XII	29 10 18 02.8	37.89N	29.25E	7–3	2.9			
ISK	XII	29 10 18 03.9	37.91N	29.19E	7	2.6			
CSEM	XII	29 10 18 03.1–.25	37.89N	29.27E	2	2.6			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=4.1km az=19.2.								
CSEM	Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=102.0.								
ISC	**XII**	**29 10 42 11.8–.55**	**37.90N–.03**	**29.17E–.06**	**13–8**		**32**	**0-1**	
ISK	XII	29 10 42 10.9	37.89N	29.18E	17	2.7			¶12865578
ISCJB	XII	29 10 42 11.5–.52	37.90N–.02	29.17E–.06	11–9	2.7			
DDA	XII	29 10 42 11.3	37.90N	29.23E	3–3	2.8			
CSEM	XII	29 10 42 11.3–.19	37.90N	29.17E	10	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.4km s-min=4.2km az=0.2.								
CSEM	Event type ke. Error ellipse: s-maj=5.5km s-min=3.1km az=95.0.								
ISC	**XII**	**29 10 57 02.7–.62**	**37.86N–.04**	**29.23E–.06**	**17–7**		**29**	**0-1**	
DDA	XII	29 10 57 01.9	37.88N	29.26E	7–4	2.8			¶12865577
ISCJB	XII	29 10 57 02.8–.61	37.88N–.03	29.27E–.07	10–6	2.8			
CSEM	XII	29 10 57 02.4–.27	37.88N	29.21E	12	2.4			
ISK	XII	29 10 57 02.2	37.56N	29.23E	8	2.4			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=8.8km s-min=5.6km az=11.2.								
CSEM	Event type ke. Error ellipse: s-maj=8.0km s-min=5.1km az=101.0.								
ISC	**XII**	**29 13 19 48.0–.56**	**37.91N–.03**	**29.18E–.05**	**12–12**		**28**	**0-1**	
ISCJB	XII	29 13 19 47.8–.59	37.90N–.03	29.21E–.06	10–8				¶14260160
CSEM	XII	29 13 19 47.6–.24	37.90N	29.22E	10	2.7			
DDA	XII	29 13 19 47.6	37.90N	29.22E	7–4	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.8km s-min=4.7km az=20.5.								
CSEM	Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=104.0.								
ISC	**XII**	**29 14 06 26.5–.47**	**37.89N–.03**	**29.24E–.04**	**12–6**		**38**	**0-1**	
ISK	XII	29 14 06 25.6	37.86N	29.26E	6	2.7			¶12865574
ISCJB	XII	29 14 06 26.2–.48	37.89N–.03	29.24E–.04	8–7	2.7			
DDA	XII	29 14 06 26.4	37.91N	29.25E	7–2	3.0			
CSEM	XII	29 14 06 26.1–.17	37.89N	29.27E	10	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=1.0.								
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=105.0.								
ISC	**XII**	**29 14 18 28.9–.62**	**40.91N–.04**	**31.50E–.05**	**11–6**		**38**	**0-3**	
ISK	XII	29 14 18 27.7	40.88N	31.60E	7	2.7			¶12865573
DDA	XII	29 14 18 27.9	40.85N	31.54E	14–2	3.0			
ISCJB	XII	29 14 18 28.6–.58	40.90N–.04	31.49E–.05	13–6	3.0			
CSEM	XII	29 14 18 28.4–.22	40.89N	31.51E	10	2.7			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=4.7km az=143.3.								
CSEM	Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=156.0.								
ISC	**XII**	**29 14 35 21.6–.44**	**37.89N–.03**	**29.19E–.03**	**13–5**		**50**	**0-2**	
DDA	XII	29 14 35 20.9	37.91N	29.23E	7–4	3.0			¶12865572
ISCJB	XII	29 14 35 21.1–.42	37.89N–.02	29.20E–.03	8–7	3.0			
ISK	XII	29 14 35 21.2	37.87N	29.19E	6	2.9			
CSEM	XII	29 14 35 21.2–.15	37.89N	29.22E	2	2.9			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.7km az=39.5.								
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=112.0.								
ISC	**XII**	**29 16 46 47.8–.39**	**38.22N–.02**	**38.67E–.02**	**4–4**		**76**	**0-4**	
ISK	XII	29 16 46 46.7	38.22N	38.67E	9	3.5			¶12865571
ISCJB	XII	29 16 46 47.2–.48	38.22N–.02	38.69E–.02	1–4	3.5			
DDA	XII	29 16 46 47.2	38.21N	38.70E	15–1	3.2			
CSEM	XII	29 16 46 47.1–.18	38.20N	38.67E	5	3.5			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=155.2.								
CSEM	Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=148.0.								
ISC	**XII**	**29 19 27 26.6–.49**	**39.07N–.03**	**41.86E–.04**	**6–9**		**33**	**1-2**	

CSEM	XII	29 19 27 25.7–.32	39.07N	41.81E	2	3.3	¶12865569
ISK	XII	29 19 27 25.9	39.03N	41.91E	12	3.0	
ISCJB	XII	29 19 27 26.1–.45	39.07N–.03	41.88E–.03	10	3.0	
DDA	XII	29 19 27 26.2	39.09N	41.89E	7–5	3.3	
ISC	Event type ke.						
CSEM	Event type ke. Error ellipse: s-maj=8.6km s-min=6.2km az=6.0.						
ISCJB	Event type ke. Error ellipse: s-maj=4.0km s-min=3.7km az=1.6.						
ISC	**XII**	**29 20 18 18.0–.63**	**37.32N–.03**	**38.76E–.04**	**10–4**		**72 0-6**
DDA	XII	29 20 18 11.6	37.05N	39.12E	7–4	3.4	¶12865568
ISK	XII	29 20 18 15.6	37.25N	38.85E	8	3.5	
ISCJB	XII	29 20 18 16.1–.72	37.23N–.04	38.85E–.04	9–5	3.5	
CSEM	XII	29 20 18 17.6–.38	37.31N	38.80E	10	3.5	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=166.2.						
CSEM	Event type ke. Error ellipse: s-maj=9.5km s-min=5.6km az=158.0.						
ISC	**XII**	**29 21 41 56.0–.49**	**38.45N–.03**	**39.08E–.03**	**3–5**		**50 0-3**
ISK	XII	29 21 41 54.5	38.47N	39.07E	5	3.0	¶12865566
ISCJB	XII	29 21 41 55.6–.56	38.46N–.03	39.07E–.03	4–5	3.0	
DDA	XII	29 21 41 55.4	38.42N	39.05E	7–1	3.0	
CSEM	XII	29 21 41 55.6–.25	38.47N	39.08E	2	3.0	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=170.1.						
CSEM	Event type ke. Error ellipse: s-maj=6.0km s-min=4.8km az=171.0.						
ISC	**XII**	**29 22 14 44.7–.47**	**39.41N–.02**	**26.32E–.04**	**5–4**		**74 0-3**
ISK	XII	29 22 14 43.4	39.41N	26.27E	5	3.0	¶12865564
ATH	XII	29 22 14 43.7	39.41N	26.38E	14–1	3.2	
DDA	XII	29 22 14 43.4	39.43N	26.28E	6–4	2.9	
ISCJB	XII	29 22 14 44.5–.37	39.41N–.02	26.30E–.04	10	2.9	
CSEM	XII	29 22 14 44.4–.17	39.41N	26.29E	5	3.2	
ISC	Event type ke.						
ATH	Error ellipse: s-maj=0.6km s-min=1.6km az=-1.0.						
ISCJB	Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=171.7.						
CSEM	Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=75.0.						
ISC	**XII**	**29 22 46 29.8–.56**	**39.50N–.03**	**34.00E–.04**	**13–11**		**34 0-2**
ISCJB	XII	29 22 46 28.9–.58	39.50N–.03	34.00E–.04	14–11		¶12865562
ISK	XII	29 22 46 28.9	39.51N	33.99E	11	2.7	
DDA	XII	29 22 46 29.8	39.52N	34.01E	7–1	2.8	
CSEM	XII	29 22 46 29.6–.24	39.52N	34.02E	2	2.7	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=4.7km az=164.4.						
CSEM	Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=176.0.						
ISC	**XII**	**29 23 20 00.2–.77**	**37.88N–.03**	**29.23E–.07**	**12–11**		**32 0-1**
ISCJB	XII	29 23 19 60.0–.70	37.87N–.03	29.21E–.06	10		¶12865561
DDA	XII	29 23 19 59.6	37.88N	29.23E	7–2	2.7	
CSEM	XII	29 23 19 59.6–.28	37.87N	29.27E	5	2.6	
ISK	XII	29 23 20 00.1	37.93N	29.15E	19	2.6	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=7.5km s-min=3.4km az=28.7.						
CSEM	Event type ke. Error ellipse: s-maj=7.0km s-min=3.4km az=121.0.						
ISC	**XII**	**30 01 26 21.7–.74**	**37.40N–.05**	**38.69E–.04**	**9–5**		**37 0-2**
ISK	XII	30 01 26 20.2	37.40N	38.68E	12	2.6	¶12865629
CSEM	XII	30 01 26 20.9–.39	37.40N	38.64E	10	2.6	
ISCJB	XII	30 01 26 21.4–.70	37.43N–.04	38.69E–.04	10–6	2.6	
DDA	XII	30 01 26 22.0	37.45N	38.68E	6–5	2.8	
ISC	Event type ke.						
CSEM	Event type ke. Error ellipse: s-maj=9.2km s-min=5.9km az=161.0.						
ISCJB	Event type ke. Error ellipse: s-maj=7.7km s-min=4.6km az=156.4.						
ISC	**XII**	**30 02 47 49.3–.47**	**37.69N–.03**	**37.47E–.03**	**5–6**		**48 0-2**
ISCJB	XII	30 02 47 48.8–.54	37.68N–.03	37.48E–.03	3–7		¶12865627
ISK	XII	30 02 47 48.2	37.63N	37.48E	5	3.0	
DDA	XII	30 02 47 49.0	37.68N	37.48E	7–5	3.2	
CSEM	XII	30 02 47 49.3–.25	37.66N	37.49E	10	3.0	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=154.1.						
CSEM	Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=153.0.						
ISC	**XII**	**30 05 44 09.8–.53**	**37.92N–.03**	**29.20E–.05**	**4–10**		**36 0-1**
DDA	XII	30 05 44 08.7	37.90N	29.23E	7–3	2.7	¶12865623
ISCJB	XII	30 05 44 09.6–.59	37.91N–.03	29.20E–.05	6–7	2.7	
ISK	XII	30 05 44 09.6	37.93N	29.24E	6	2.8	
CSEM	XII	30 05 44 09.2–.31	37.91N	29.23E	2	2.8	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=6.2km s-min=4.9km az=165.1.						
CSEM	Event type ke. Error ellipse: s-maj=7.6km s-min=6.2km az=89.0.						
ISC	**XII**	**30 06 09 10.1–.38**	**38.41N–.02**	**39.02E–.03**	**6–3**		**60 0-3**
ISCJB	XII	30 06 09 09.4–.39	38.41N–.02	39.01E–.03	4–4		¶12865622
CSEM	XII	30 06 09 09.7–.17	38.42N	39.03E	8	3.4	
ISK	XII	30 06 09 09.1	38.42N	39.04E	6	3.2	
DDA	XII	30 06 09 09.3	38.41N	39.00E	17–1	3.4	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=3.6km s-min=3.5km az=20.1.						
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=129.0.						
ISC	**XII**	**30 11 13 50.9–1.2**	**41.41N–.06**	**35.87E–.05**	**2–8**		**32 0-2**
ISK	XII	30 11 13 49.6	41.41N	35.84E	5	2.8	¶12865620
ISCJB	XII	30 11 13 50.8–1.2	41.41N–.06	35.87E–.06	6–6	2.8	
CSEM	XII	30 11 13 51.0–.55	41.39N	35.82E	2	2.9	
DDA	XII	30 11 13 51.6	41.28N	35.85E	6–3	2.9	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=11.1km s-min=5.0km az=30.8.						
CSEM	Event type ke. Error ellipse: s-maj=12.5km s-min=5.3km az=32.0.						
ISC	**XII**	**30 12 38 47.2–.63**	**37.81N–.04**	**36.69E–.05**	**8–8**		**27 0-1**
ISK	XII	30 12 38 45.5	37.80N	36.73E	5	2.7	¶12865619
ISCJB	XII	30 12 38 46.6–.92	37.82N–.04	36.69E–.05	4–8	2.7	
DDA	XII	30 12 38 46.3	37.82N	36.66E	9–7	2.8	
CSEM	XII	30 12 38 46.3–.35	37.83N	36.71E	2	2.7	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=5.6km az=38.6.						
CSEM	Event type ke. Error ellipse: s-maj=8.5km s-min=6.2km az=74.0.						
ISC	**XII**	**31 04 57 32.2–.82**	**36.99N–.06**	**29.21E–.04**	**12–7**		**28 0-2**
DDA	XII	31 04 57 30.8	37.02N	29.19E	6–6	2.9	¶12865652
ISCJB	XII	31 04 57 31.6–.83	36.98N–.06	29.21E–.04	11–7	2.9	
ISK	XII	31 04 57 31.6	36.97N	29.21E	11	2.9	
CSEM	XII	31 04 57 31.7–.58	36.99N	29.22E	12	2.9	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=10.0km s-min=5.9km az=0.0.						
CSEM	Event type ke. Error ellipse: s-maj=14.6km s-min=8.2km az=9.0.						
ISC	**XII**	**31 09 39 26.8–.52**	**41.02N–.04**	**34.53E–.04**	**3–8**		**36 0-2**
ISK	XII	31 09 39 25.4	41.05N	34.52E	5	3.2	¶12865644
ISCJB	XII	31 09 39 26.5–.48	41.03N–.04	34.54E–.04	10	3.2	
DDA	XII	31 09 39 26.2	41.01N	34.52E	7–5	2.8	
CSEM	XII	31 09 39 26.3–.16	41.03N	34.55E	2	3.2	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=162.0.						
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=165.0.						
ISC	**XII**	**31 10 12 37.1–.52**	**38.49N–.03**	**40.58E–.04**	**14–6**		**30 0-2**
ISK	XII	31 10 12 35.0	38.46N	40.56E	5	2.8	¶12865643
ISCJB	XII	31 10 12 36.4–.59	38.48N–.03	40.57E–.04	3–6	2.8	
DDA	XII	31 10 12 36.1	38.55N	40.48E	8–6	2.9	
CSEM	XII	31 10 12 37.9–.64	38.48N	40.48E	8	2.8	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=179.2.						
CSEM	Event type ke. Error ellipse: s-maj=12.1km s-min=8.4km az=105.0.						
ISC	**XII**	**31 13 01 38.3–.50**	**37.23N–.03**	**30.53E–.06**	**14–5**		**36 0-2**
DDA	XII	31 13 01 35.6	37.15N	30.75E	5–2	3.2	¶12865642
ISCJB	XII	31 13 01 37.9–.50	37.24N–.03	30.58E–.05	13–6	3.2	
ISK	XII	31 13 01 37.5	37.22N	30.49E	9	2.8	
CSEM	XII	31 13 01 37.7–.19	37.19N	30.53E	5	2.8	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=7.0km s-min=4.2km az=16.0.						
CSEM	Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=112.0.						
ISC	**XII**	**31 15 25 21.9–.49**	**40.29N–.03**	**27.31E–.03**	**5–10**		**42 0-1**
ISCJB	XII	31 15 25 21.5–.45	40.28N–.03	27.31E–.03	3–7		¶12865636
ISK	XII	31 15 25 21.2	40.28N	27.31E	5	2.7	
DDA	XII	31 15 25 21.2	40.28N	27.35E	7–3	2.9	
CSEM	XII	31 15 25 21.8–.09	40.29N	27.32E	2	2.7	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=6.3km s-min=3.9km az=26.5.						
CSEM	Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=32.0.						
ISC	**XII**	**31 20 02 08.9–.65**	**37.92N–.04**	**29.22E–.09**	**18–8**		**20 0-1**
ISCJB	XII	31 20 02 08.7–.63	37.93N–.03	29.25E–.06	10		¶12865633
ISK	XII	31 20 02 08.3	37.96N	29.25E	5	2.7	
DDA	XII	31 20 02 08.2	37.92N	29.22E	7–4	2.8	
CSEM	XII	31 20 02 08.6–.33	37.90N	29.27E	12	2.7	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=7.0km s-min=4.6km az=8.1.						
CSEM	Event type ke. Error ellipse: s-maj=9.2km s-min=6.4km az=97.0.						

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ISC	**VII**	**11 20 15 43.1–.71**	**41.27N–.04**	**43.93E–.07**	**5–10**		**40 1-2**
ISCJB	VII	11 20 15 42.6–1.8	41.27N–.04	43.96E–.04	5–14		¶13596657
CSEM	VII	11 20 15 42.7–.14	41.26N	43.94E	2	3.0	
TIF	VII	11 20 15 47.8	41.28N	43.98E	10	3.0	
DDA	VII	11 20 15 47.8	41.10N	43.65E	9–0	3.0	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=7.5km s-min=3.9km az=146.5.						
CSEM	Event type ke. Error ellipse: s-maj=4.7km s-min=2.2km az=150.0.						
ISC	**VIII**	**04 04 17 50.1–.68**	**41.26N–.08**	**43.60E–.06**	**10**		**12 1-1**
							¶15206799
ISC	**VIII**	**10 04 13 33.0–.77**	**41.31N–.07**	**43.89E–.05**	**10**		**12 1-2**
							¶15206834
ISC	**VIII**	**19 15 34 11.5–.28**	**40.31N–.02**	**44.14E–.02**	**10**		**104 0-4**
ISK	VIII	19 15 34 09.4	40.45N	44.14E	5	3.6L	¶11525542
TIF	VIII	19 15 34 09.2	40.93N	44.72E	10	3.6L	
ISCJB	VIII	19 15 34 10.9–.27	40.34N–.02	44.15E–.02	10	3.6L	
NSSP	VIII	19 15 34 11.0	40.35N	44.15E	5	3.2s	
CSEM	VIII	19 15 34 11.2–.19	40.27N	44.15E	2	4.3L	
DDA	VIII	19 15 34 16.3	40.14N	43.69E	7–14	2.9	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=168.4.						
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=4.0km az=173.0.						
ISC	**VIII**	**24 20 25 02.9–.66**	**41.23N–.05**	**43.79E–.07**	**10**		**12 1-2**
							¶15206905
DDA	**IX**	**05 14 39 12.3**	**40.59N**	**43.07E**	**7–3**	**2.5**	
CSEM	IX	05 14 39 12.3	40.59N	43.07E	7	2.5	¶13856147
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.						
ISC	**IX**	**13 22 51 23.3–1.1**	**41.08N–.08**	**43.89E–.08**	**10**		**11 1-2**
							¶15250447
TIF	**IX**	**15 02 33 35.3**	**41.58N**	**43.20E**	**10**		
CSEM	IX	15 02 33 35.3	41.21N	43.71E	0	2.6L	¶13856444
CSEM	Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIF.						
ISC	**IX**	**21 05 51 16.3–1.0**	**41.2N–.20**	**43.81E–.10**	**10**		**9 1-2**
							¶15250500
ISC	**IX**	**21 23 25 15.3–.64**	**40.99N–.04**	**43.50E–.03**	**1–7**		**43 0-2**
ISK	IX	21 23 25 14.4	40.97N	43.52E	2	2.2L	¶11660857
CSEM	IX	21 23 25 14.9–.15	40.98N	43.50E	2	2.2L	
TIF	IX	21 23 25 14.1	41.35N	44.18E	10	2.2L	
ISCJB	IX	21 23 25 16.0–.81	40.98N–.03	43.50E–.03	8–6	2.2L	
DDA	IX	21 23 25 16.6	41.07N	43.37E	7–2	2.8	
ISC	Event type ke.						
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=2.7km az=162.0.						
ISCJB	Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=152.6.						
ISC	**IX**	**25 05 16 51.9–.83**	**41.26N–.06**	**43.34E–.04**	**10–7**		**17 1-2**
ISCJB	IX	25 05 16 51.2–1.4	41.26N–.06	43.35E–.04	2–11		¶13856620
DDA	IX	25 05 16 53.6	41.45N	43.15E	7–4	2.8	
ISCJB	Error ellipse: s-maj=10.5km s-min=4.1km az=161.1.						
CSEM	**X**	**02 03 05 17.3**	**41.32N**	**43.77E**	**0**	**2.3L**	
TIF	X	02 03 05 17.3	41.86N	43.21E	10	2.3L	¶13856699
CSEM	Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIF.						
ISC	**X**	**03 01 45 48.5–.91**	**41.25N–.05**	**43.93E–.07**	**10–10**		**16 1-2**
							¶15670274
ISC	**X**	**11 03 28 53.0–.74**	**41.97N–.04**	**43.46E–.05**	**9–7**		**16 1-2**
ISCJB	X	11 03 28 52.7–.83	41.97N–.04	43.46E–.04	8–7		¶13909746
DDA	X	11 03 28 53.7	41.76N	43.44E	7–3	3.0	
ISCJB	Error ellipse: s-maj=6.4km s-min=4.8km az=166.7.						
ISC	**X**	**12 03 05 15.0–.59**	**40.18N–.02**	**44.87E–.04**	**4–5**		**82 0-3**
NSSP	X	12 03 05 11.1	40.22N	44.98E	15	2.8s	¶13829720
CSEM	X	12 03 05 14.8–.60	40.20N	44.86E	2	2.8L	
TEH	X	12 03 05 18.9	39.92N	44.60E	18	2.8L	
ISC	Event type ke.						
CSEM	Event type ke. Error ellipse: s-maj=10.7km s-min=6.5km az=135.0.						
ISC	**X**	**15 12 06 45.2–.82**	**41.32N–.05**	**43.90E–.04**	**9–6**		**32 0-2**
ISCJB	X	15 12 06 44.9–1.0	41.32N–.05	43.89E–.04	8–6		¶13909861
CSEM	X	15 12 06 44.8–.45	41.32N	43.87E	2	3.0	
DDA	X	15 12 06 46.8	41.54N	43.61E	7–6	3.0	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=9.3km s-min=3.6km az=162.4.						
CSEM	Event type ke. Error ellipse: s-maj=22.8km s-min=4.8km az=160.0.						
ISC	**X**	**16 03 48 17.4–.86**	**41.33N–.07**	**43.90E–.04**	**8–8**		**15 0-2**
							¶15670401
ISC	**X**	**24 08 00 00.4–1.6**	**41.9N–.20**	**43.58E–.04**	**4–9**		**24 1-2**
CSEM	X	24 08 00 04.3	41.75N	43.44E	7	2.9	¶13910091
DDA	X	24 08 00 04.3	41.75N	43.44E	7–2	2.9	
ISC	Event type ke.						
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.						
ISC	**XI**	**04 18 53 46.6–.31**	**40.09N–.02**	**44.33E–.02**	**10**		**174 0-3**
NSSP	XI	04 18 53 43.6	40.10N	44.38E	5	3.2s	¶12072280
DDA	XI	04 18 53 44.9	40.17N	44.45E	5–1	3.1	
NEIC	XI	04 18 53 44.6–.67	40.08N	44.31E	5	3.3L,3.3L	
ISK	XI	04 18 53 44.0	39.96N	45.03E	44	3.4L,3.3L	
ISCJB	XI	04 18 53 45.4–.30	40.09N–.02	44.34E–.02	10	3.4L,3.3L	
CSEM	XI	04 18 53 45.8–.27	40.07N	44.31E	2	3.2L,3.3L	
ISC	Event type fe.						
NEIC	Event type fe. Error ellipse: s-maj=7.9km s-min=6.6km az=167.0. Felt at Yerevan.						
ISCJB	Event type fe. Error ellipse: s-maj=2.4km s-min=2.2km az=42.6.						
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=5.0km az=99.0.						
CSEM	**XI**	**10 20 15 16.0**	**41.30N**	**43.92E**	**0**	**1.3L**	
							¶15108606
CSEM	Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIF.						
ISC	**XI**	**26 13 56 04.9–.62**	**40.99N–.03**	**43.85E–.04**	**10**		**59 1-2**
ISCJB	XI	26 13 56 04.8–.67	41.03N–.03	43.83E–.04	10		¶13836809
CSEM	XI	26 13 56 04.8–.30	40.97N	43.85E	2	2.8L	
TIF	XI	26 13 56 04.7	41.13N	43.86E	10	2.8L	
MOS	XI	26 13 56 04.9–1.2	41.01N	44.16E	17	4.1b	
ISC	Event type ke.						
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=149.1.						
CSEM	Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=145.0.						
MOS	Error ellipse: s-maj=63.8km s-min=11.4km az=86.1.						
ISC	**XII**	**01 15 08 48.1–.76**	**41.31N–.04**	**41.31E–.04**	**1–6**		**57 0-3**
ISK	XII	01 15 08 46.7	41.53N	41.27E	17	2.9	¶12864852
DDA	XII	01 15 08 47.2	41.34N	41.34E	16–3	2.9	
CSEM	XII	01 15 08 48.0–.30	41.36N	41.40E	15	2.9	
ISC	Event type ke.						
CSEM	Event type ke. Error ellipse: s-maj=8.3km s-min=4.6km az=172.0.						
ISC	**XII**	**03 18 47 26.5–.56**	**41.07N–.04**	**43.92E–.04**	**10**		**40 0-2**
TIF	XII	03 18 47 24.6	41.05N	43.87E	19–2		¶14259834
CSEM	XII	03 18 47 25.7–.22	41.06N	43.90E	2	1.9L	
ISCJB	XII	03 18 47 26.5–.56	41.07N–.04	43.90E–.04	10	1.9L	
DDA	XII	03 18 47 32.5	40.90N	43.34E	7–9	2.8	
ISC	Event type ke.						
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=3.1km az=148.0.						
ISCJB	Event type ke. Error ellipse: s-maj=5.6km s-min=3.2km az=150.3.						
ISC	**XII**	**11 21 25 32.6–.63**	**40.10N–.03**	**44.89E–.04**	**9–4**		**62 0-3**
CSEM	XII	11 21 25 31.2–.46	40.09N	44.88E	5	3.3	¶12865072

TIF XII 11 21 25 31.1 40.17N 44.89E 10–2 3.3
ISCJB XII 11 21 25 31.9–.74 40.10N–.02 44.88E–.04 2–6 3.3
ISK XII 11 21 25 31.1 40.15N 44.73E 5 2.7L
DDA XII 11 21 25 34.5 39.97N 44.72E 3–0 3.3
NSSP XII 11 21 25 43.8 40.18N 44.88E 5 2.9s
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.3km s-min=4.6km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=12.8.
ISC XII 12 17 06 14.0–.49 40.26N–.03 44.77E–.03 15–4 66 0-3
TIF XII 12 17 06 12.6 40.36N 44.87E 17–2 **¶13812854**
CSEM XII 12 17 06 12.8–.43 40.30N 44.80E 2 2.8L
NSSP XII 12 17 06 12.4 40.37N 44.85E 15 2.8s
ISCJB XII 12 17 06 13.4–.60 40.27N–.02 44.79E–.03 7–5 2.8s
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

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ISC VII 01 00 44 21.4–.35 37.95N–.02 21.49E–.03 25–3 107 0-2
ATH VII 01 00 44 20.4 37.95N 21.49E 23–1 3.3 **¶12950840**
NEIC VII 01 00 44 20.4 37.95N 21.49E 23 3.3
ISCJB VII 01 00 44 21.4–.35 37.95N–.02 21.49E–.03 27–3 3.3
CSEM VII 01 00 44 21.1–.23 37.92N 21.48E 19–0 3.3
THE VII 01 00 44 21.2 37.93N 21.50E 0–1 2.9L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=21.5.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=22.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=235.0.
ISC VII 01 08 59 23.8–1.0 36.06N–.04 21.86E–.06 7–6 3.7b 112 1-46
ISCJB VII 01 08 59 23.3–.96 36.06N–.03 21.84E–.05 6–6 3.7b **¶11799155**
IDC VII 01 08 59 23.6–1.3 36.30N 21.84E 0 3.9b,3.8
NEIC VII 01 08 59 24.1 36.07N 21.85E 5 3.4L,3.8
ATH VII 01 08 59 24.1 36.07N 21.85E 5–4 3.8,3.4L
CSEM VII 01 08 59 26.5–.48 36.24N 21.95E 2 4.0L,3.4L
THE VII 01 08 59 27.0 36.24N 21.85E 0–3 4.0L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.4km az=147.7.
IDC Error ellipse: s-maj=30.1km s-min=25.4km az=120.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=6.5km az=46.0.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=2.0km az=241.0.
ISC VII 01 09 03 14.7–.52 36.09N–.03 21.89E–.04 10 3.7b 126 1-46
ISCJB VII 01 09 03 13.9–.49 36.07N–.03 21.89E–.04 10 3.8b **¶11799156**
IDC VII 01 09 03 13.9–1.3 36.16N 21.89E 0 3.7b,3.5
ATH VII 01 09 03 14.2 36.08N 21.87E 5–1 3.9,3.4L
NEIC VII 01 09 03 14.2 36.08N 21.87E 5 3.4L,3.4L
CSEM VII 01 09 03 17.1–.39 36.15N 21.98E 2 3.9L,3.4L
THE VII 01 09 03 17.5 36.19N 22.03E 0–2 3.9L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.2km az=43.9.
IDC Error ellipse: s-maj=32.8km s-min=22.7km az=144.0.
ATH Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=4.9km az=50.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.3km az=240.0.
ISC VII 01 22 02 32.3–.62 37.96N–.04 21.51E–.04 7–6 50 0-1
ISCJB VII 01 22 02 31.8–.66 37.95N–.03 21.52E–.03 1–8 **¶13379106**
CSEM VII 01 22 02 32.0–.18 37.96N 21.52E 8 2.6
ATH VII 01 22 02 32.5 38.01N 21.57E 4 2.6
THE VII 01 22 02 32.0 37.94N 21.52E 6–0 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=6.3.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.9km az=4.0.
ATH Error ellipse: s-maj=0.6km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=167.0.
ATH VII 01 23 26 36.2 37.98N 21.45E 5–2 3.2
CSEM VII 01 23 26 35.9–.15 37.96N 21.48E 8 3.2 **¶12950816**
NEIC VII 01 23 26 36.2 37.98N 21.45E 5 3.2
THE VII 01 23 26 36.6 37.98N 21.50E 5–1 2.6L
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=60.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=165.0.
ISC VII 02 04 25 52.6–2.0 36.06N–.07 21.85E–.09 4–14 34 1-2
THE VII 02 04 25 53.1 36.07N 21.69E 5–2 3.6L **¶13379140**
CSEM VII 02 04 25 53.3–.90 36.10N 21.86E 8 3.4
ATH VII 02 04 25 54.2 36.15N 21.88E 10–3 3.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=6.1km s-min=1.1km az=266.0.
CSEM Event type ke. Error ellipse: s-maj=17.7km s-min=8.1km az=55.0.
ATH Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC VII 02 13 39 34.7–.43 37.92N–.02 21.49E–.03 8–4 104 0-2
ISCJB VII 02 13 39 33.9–.44 37.92N–.02 21.49E–.03 3–4 **¶12950843**
ATH VII 02 13 39 33.8 37.98N 21.44E 23–1 3.0
NEIC VII 02 13 39 33.8 37.98N 21.44E 23 3.0
THE VII 02 13 39 34.1 37.91N 21.50E 3–1 3.2L
CSEM VII 02 13 39 34.2–.26 37.94N 21.46E 19–0 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=37.8.
ATH Error ellipse: s-maj=1.3km s-min=1.1km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=222.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.8km az=65.0.
ISC VII 02 15 57 27.6–.45 37.96N–.03 21.51E–.03 29–3 74 0-2
ATH VII 02 15 57 26.7 37.95N 21.50E 25–2 3.4 **¶13379194**
NEIC VII 02 15 57 26.7 37.95N 21.50E 25 3.4
ISCJB VII 02 15 57 27.5–.44 37.96N–.03 21.51E–.03 30–3 3.4
THE VII 02 15 57 27.4 37.93N 21.51E 16–2 2.6L
CSEM VII 02 15 57 27.3–.27 37.96N 21.49E 30 3.4
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=172.9.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=17.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.8km az=177.0.
ISC VII 03 03 35 00.8–.47 37.88N–.03 21.46E–.04 25–4 77 0-2
ISCJB VII 03 03 35 00.8–.46 37.89N–.03 21.46E–.04 27–4 **¶12951004**
CSEM VII 03 03 35 00.7–.19 37.91N 21.43E 26–1 3.2
ATH VII 03 03 35 00.2 37.91N 21.44E 25–1 3.2
NEIC VII 03 03 35 00.2 37.91N 21.44E 25 3.2
THE VII 03 03 35 00.9 37.89N 21.46E 13–1 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.7km az=7.2.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=1.0.
ATH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=16.0.
ISC VII 03 04 07 17.8–.40 37.25N–.02 22.11E–.02 4–3 128 0-6
ISCJB VII 03 04 07 17.6–.35 37.25N–.02 22.11E–.03 10 **¶12951003**
CSEM VII 03 04 07 17.3–.15 37.26N 22.11E 0–0 3.4L
ATH VII 03 04 07 17.7 37.25N 22.10E 9–1 3.4,3.4L
NEIC VII 03 04 07 17.7 37.25N 22.10E 9 3.4L,3.4L
THE VII 03 04 07 17.8 37.25N 22.12E 1–1 3.7L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=145.4.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=149.0.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=163.0.
THE VII 03 05 10 45.9 37.45N 21.68E 11–2 2.6L
CSEM VII 03 05 10 45.9 37.45N 21.68E 11 2.6L **¶13562717**
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=146.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC VII 03 11 57 48.8–.39 38.00N–.02 21.51E–.03 14–3 114 0-2
ISCJB VII 03 11 57 48.4–.56 38.01N–.02 21.52E–.03 10–4 **¶12950987**
NEIC VII 03 11 57 48.0 38.04N 21.49E 28 3.3
ATH VII 03 11 57 48.0 38.04N 21.49E 28–1 3.3
THE VII 03 11 57 48.7 38.00N 21.55E 0–1 3.5L
CSEM VII 03 11 57 48.8–.19 38.04N 21.52E 20 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=167.9.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=254.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=34.0.
ISC VII 03 23 31 21.1–.63 36.59N–.03 22.62E–.04 5–4 109 0-3
ISCJB VII 03 23 31 20.1–.79 36.59N–.03 22.62E–.05 1–6 **¶12950965**
NEIC VII 03 23 31 20.7 36.61N 22.64E 18 2.7L
ATH VII 03 23 31 20.7 36.61N 22.64E 18–0 3.5,2.7L
CSEM VII 03 23 31 21.5–.24 36.60N 22.61E 10–0 2.7L,2.7L
THE VII 03 23 31 21.7 36.64N 22.61E 0–2 3.4L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.4km az=145.4.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=53.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=205.0.
ISC VII 03 23 45 13.9–.68 36.61N–.04 22.62E–.04 5–4 101 0-5
CSEM VII 03 23 45 12.3–.41 36.52N 22.63E 2 2.8L **¶12950964**
ISCJB VII 03 23 45 13.3–.66 36.61N–.04 22.61E–.04 4–4 2.8L
ATH VII 03 23 45 13.1 36.61N 22.64E 21–0 3.6,2.8L
NEIC VII 03 23 45 13.1 36.61N 22.64E 21 3.3L,2.8L
THE VII 03 23 45 16.6 36.76N 22.52E 0–2 3.3L,2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.8km az=38.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.5km az=23.9.
ATH Error ellipse: s-maj=0.8km s-min=0.5km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.3km az=187.0.
ISC VII 04 01 01 05.0–.42 37.92N–.02 21.48E–.03 8–4 88 0-2
ISCJB VII 04 01 01 04.4–.41 37.92N–.02 21.46E–.03 10 **¶12951032**
NEIC VII 04 01 01 04.3 37.91N 21.47E 17 3.3
CSEM VII 04 01 01 04.2–.23 37.92N 21.46E 15 3.3
ATH VII 04 01 01 04.3 37.91N 21.47E 17–2 3.3
THE VII 04 01 01 04.6 37.94N 21.48E 3–1 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=38.8.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.1km az=31.0.
ATH Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=250.0.
ISC VII 04 11 48 58.9–1.2 36.22N–.05 21.54E–.08 11–7 70 1-3
CSEM VII 04 11 48 57.7–.39 36.19N 21.51E 2 3.1 **¶12951021**
ISCJB VII 04 11 48 58.7–1.3 36.23N–.06 21.55E–.09 11–13 3.1
THE VII 04 11 48 59.8 36.24N 21.53E 8–1 3.7L
NEIC VII 04 11 49 00.9 36.31N 21.59E 38 3.1
ATH VII 04 11 49 00.9 36.31N 21.59E 38–3 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=5.6km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=14.1km s-min=8.3km az=143.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=277.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.5km s-min=2.7km az=-1.0.
ISC VII 04 16 31 39.5–.41 37.25N–.02 22.14E–.03 3–3 3.2b 155 0-45
IDC VII 04 16 31 24.0–9.9 35.61N 20.95E 0 3.4,3.3 **¶11810624**
THE VII 04 16 31 39.3 37.23N 22.14E 0–3 3.8L,3.3
ISCJB VII 04 16 31 39.4–.34 37.24N–.02 22.13E–.02 10 3.2b,3.3
ATH VII 04 16 31 39.1 37.26N 22.13E 4–1 3.5,3.3L
NEIC VII 04 16 31 39.1 37.26N 22.13E 4 3.3L,3.3L
CSEM VII 04 16 31 39.3–.19 37.28N 22.12E 2 3.3L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=192.7km s-min=45.9km az=21.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.0km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=164.9.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=79.0.
ISC VII 04 22 15 25.7–.29 36.13N–.02 23.38E–.03 69–5 3.5b 262 0-44
IDC VII 04 22 15 17.9–1.3 36.33N 23.31E 0 3.7b,3.6 **¶11810648**
ISCJB VII 04 22 15 24.5–.31 36.12N–.02 23.37E–.03 81–4 3.5b,3.6
NEIC VII 04 22 15 25.1 36.18N 23.44E 55 3.0,3.6
ATH VII 04 22 15 25.1 36.18N 23.44E 55–2 3.6,3.0L
HLW VII 04 22 15 26.4 35.95N 23.88E 17–37 3.5,3.2L
CSEM VII 04 22 15 26.5–.12 36.15N 23.39E 40 3.0L,3.2L
THE VII 04 22 15 27.1 36.21N 23.48E 26–3 4.0L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=20.3km az=43.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.4km az=138.1.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=1.8km az=45.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.6km az=214.0.
ISC VII 05 16 55 57.6–.59 37.75N–.03 21.28E–.04 13–4 58 0-2
ATH VII 05 16 55 56.6 37.77N 21.17E 18–3 3.0 **¶13388269**
ISCJB VII 05 16 55 57.4–.99 37.75N–.03 21.29E–.05 8–10 3.0
CSEM VII 05 16 55 57.9–.35 37.75N 21.26E 20 3.0
THE VII 05 16 55 58.2 37.79N 21.31E 2–2 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=159.3.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=5.8km az=36.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.5km az=359.0.
ISC VII 06 00 51 21.0–.50 37.85N–.03 21.43E–.03 11–4 71 0-2
ISCJB VII 06 00 51 20.3–.64 37.86N–.03 21.44E–.03 3–5 **¶13388299**
NEIC VII 06 00 51 20.1 37.85N 21.26E 16 2.9
ATH VII 06 00 51 20.1 37.86N 21.26E 16–1 2.9
THE VII 06 00 51 20.8 37.88N 21.45E 13–1 3.2L
CSEM VII 06 00 51 21.0–.22 37.86N 21.42E 20 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=27.9.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=51.0.
ISC VII 06 13 38 10.1–.48 37.91N–.02 21.45E–.03 8–4 86 0-2
ISCJB VII 06 13 38 09.4–.47 37.90N–.02 21.44E–.03 10 **¶12951065**
CSEM VII 06 13 38 09.5–.16 37.90N 21.44E 8 3.1
THE VII 06 13 38 10.0 37.92N 21.45E 4–1 3.1L
ATH VII 06 13 38 10.4 37.92N 21.43E 10–2 3.1
NEIC VII 06 13 38 10.4 37.92N 21.43E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=139.1.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=37.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=348.0.
ATH Error ellipse: s-maj=1.4km s-min=1.1km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 06 14 36 46.7–.59 37.98N–.06 21.55E–.03 28–5 41 0-1
ISCJB VII 06 14 36 46.7–.58 38.00N–.05 21.55E–.03 29–4 **¶13388344**
CSEM VII 06 14 36 46.6–.11 38.01N 21.55E 30 2.5

ATH VII 06 14 36 46.0 37.98N 21.52E 26–1 2.5
THE VII 06 14 36 47.0 38.00N 21.55E 22–4 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.2km az=172.5.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=171.0.
ATH Error ellipse: s-maj=1.0km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.4km az=12.0.
ISC VII 06 14 37 05.7–.57 37.98N–.06 21.56E–.03 27–5 41 0-1
ISCJB VII 06 14 37 05.8–.55 37.99N–.05 21.56E–.03 28–4 ¶13388345
ATH VII 06 14 37 05.3 37.96N 21.53E 25–1 2.9
CSEM VII 06 14 37 05.8–.12 38.01N 21.56E 30 2.9
THE VII 06 14 37 06.3 37.99N 21.54E 2–23 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.1km az=173.5.
ATH Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.3km az=167.0.
THE Event type ke. Error ellipse: s-maj=23.7km s-min=0.4km az=0.0.
ISC VII 06 18 31 55.2–1.0 36.02N–.03 21.37E–.04 0–6 3.6b 141 1-61
ISCJB VII 06 18 31 54.2–1.0 36.00N–.03 21.31E–.04 4–7 3.5b ¶11810818
CSEM VII 06 18 31 56.2–.31 36.06N 21.34E 5 3.9L
ATH VII 06 18 31 57.0 36.10N 21.38E 25–1 3.7
NEIC VII 06 18 31 57.0 36.10N 21.38E 25 3.7
THE VII 06 18 31 58.9 36.13N 21.65E 0–2 3.9L
IDC VII 06 18 32 00.1–2.3 36.20N 21.48E 45–26 3.4,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.9km az=166.2.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.8km az=167.0.
ATH Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=1.2km az=246.0.
IDC Error ellipse: s-maj=27.5km s-min=16.0km az=179.0.
ISC VII 06 19 53 30.7–1.2 36.12N–.05 21.23E–.05 17–7 3.6b 98 1-47
IDC VII 06 19 53 30.2–2.4 36.32N 21.71E 0 3.8L,3.6 ¶11810821
ATH VII 06 19 53 30.3 36.07N 21.37E 21–2 3.9,3.6
CSEM VII 06 19 53 31.0–.57 36.05N 21.25E 20 3.6L,3.6
NEIC VII 06 19 53 31.3 36.07N 21.37E 21 3.9L,3.6
THE VII 06 19 53 35.7 36.30N 21.71E 2–1 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=46.2km s-min=27.4km az=12.0.
ATH Error ellipse: s-maj=2.3km s-min=2.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.9km s-min=8.9km az=42.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.4km az=94.0.
ISC VII 06 21 14 18.2–1.4 36.14N–.06 21.52E–.09 2–7 65 1-7
ATH VII 06 21 14 16.7 36.07N 21.45E 18–1 3.8 ¶13388373
ISCJB VII 06 21 14 17.3–1.3 36.14N–.05 21.50E–.09 0–7 3.8
CSEM VII 06 21 14 20.1–.58 36.16N 21.53E 18–1 3.1L
THE VII 06 21 14 20.6 36.22N 21.66E 2–1 3.1L
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=8.6km az=3.5.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=6.7km az=65.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.3km az=273.0.
ISC VII 07 21 38 49.8–2.0 36.07N–.07 21.79E–.08 3–11 61 1-4
ISCJB VII 07 21 38 49.8–1.8 36.10N–.06 21.83E–.07 0–11 ¶12951104
ATH VII 07 21 38 51.2 36.13N 21.83E 8–1 3.6
THE VII 07 21 38 51.0 36.10N 21.75E 0–8 3.6L
NEIC VII 07 21 38 51.2 36.13N 21.83E 8 3.6L,3.6
CSEM VII 07 21 38 52.2–.78 36.14N 21.89E 2 3.6,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=7.5km az=41.7.
ATH Error ellipse: s-maj=1.9km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=15.6km s-min=2.3km az=249.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=16.4km s-min=9.5km az=40.0.
ISC VII 08 13 28 52.0–1.1 36.51N–.04 21.94E–.05 1–6 78 0-3
ATH VII 08 13 28 50.3 36.44N 21.86E 14–1 3.3 ¶12951126
NEIC VII 08 13 28 50.3 36.44N 21.86E 14 3.3
CSEM VII 08 13 28 51.0–.31 36.47N 21.92E 2–0 3.6L
ISCJB VII 08 13 28 52.7–.78 36.53N–.04 21.90E–.05 10 3.6L
THE VII 08 13 28 53.1 36.55N 21.95E 2–1 3.6L
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=43.6.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=6.0.
ISC VII 08 22 21 35.5–1.0 36.46N–.04 21.51E–.07 10 66 0-3
NEIC VII 08 22 21 35.5 36.43N 21.53E 5 3.6L,3.6 ¶12951114
ATH VII 08 22 21 35.5 36.43N 21.53E 5–1 3.6,3.6
CSEM VII 08 22 21 35.9–.84 36.46N 21.58E 2 3.6L,3.6
THE VII 08 22 21 37.7 36.64N 21.41E 3–0 3.6L,3.6
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=14.6km s-min=9.2km az=54.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=137.0.
ISC VII 08 23 47 21.4–1.1 36.21N–.04 21.34E–.06 4–5 119 1-7
ISCJB VII 08 23 47 20.8–.95 36.22N–.04 21.32E–.06 6–6 ¶12951111
CSEM VII 08 23 47 21.2–.38 36.21N 21.31E 2 3.5L
NEIC VII 08 23 47 23.4 36.29N 21.36E 32 3.7,3.5L
ATH VII 08 23 47 23.4 36.29N 21.36E 32–4 3.7,3.5L
THE VII 08 23 47 24.5 36.27N 21.53E 8–1 3.5L,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.8km az=155.1.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=5.7km az=51.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=4.7km s-min=5.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=250.0.
ISC VII 09 00 09 32.6–1.1 36.25N–.05 21.67E–.08 28–7 66 1-10
ATH VII 09 00 09 31.5 36.17N 21.73E 26–3 3.8 ¶12951165
CSEM VII 09 00 09 31.7–.92 36.20N 21.63E 20 3.6L
NEIC VII 09 00 09 31.5 36.17N 21.73E 26 3.8,3.6L
ISCJB VII 09 00 09 33.8–1.2 36.29N–.05 21.84E–.09 27–7 3.8,3.6L
THE VII 09 00 09 35.4 36.33N 21.89E 32–32 3.6L,3.6L
ISC Event type ke.
ATH Error ellipse: s-maj=2.9km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=22.9km s-min=9.3km az=56.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=6.5km az=151.2.
THE Event type ke. Error ellipse: s-maj=32.4km s-min=1.1km az=264.0.
ATH VII 09 00 12 09.2 36.28N 22.01E 5 3.5
CSEM VII 09 00 12 09.2 36.28N 22.01E 5 3.5 ¶12951164
NEIC VII 09 00 12 09.2 36.28N 22.01E 5 3.5
ATH Error ellipse: s-maj=2.9km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
NEIC Event type se. After ATH.
ISC VII 09 00 20 37.3–1.6 36.34N–.06 21.8E–.10 10–7 45 1-2
ATH VII 09 00 20 36.8 36.33N 21.76E 16–2 3.5 ¶13388521
CSEM VII 09 00 20 37.6–.70 36.34N 21.86E 9–0 3.2L
THE VII 09 00 20 38.5 36.39N 21.83E 9–0 3.2L
ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=3.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=15.3km s-min=7.4km az=57.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=1.1km az=270.0.
ISC VII 09 09 02 51.5–.49 36.26N–.02 21.25E–.03 22–3 4.3b,3.2s 382 1-80
HLW VII 09 09 02 48.4 36.28N 21.44E 32–39 4.5,4.1L ¶13388547
IDC VII 09 09 02 48.4–1.3 36.33N 21.50E 0 4.3,4.3b
NEIC VII 09 09 02 50.7 36.21N 21.26E 29 4.3b,4.0L
MOS VII 09 09 02 50.0–1.3 36.24N 21.27E 27 4.5b,4.0L
ATH VII 09 09 02 50.7 36.21N 21.26E 29–2 4.0L,4.0L
CSEM VII 09 09 02 53.5–.20 36.24N 21.28E 46–2 4.5L,4.0L
PDG VII 09 09 02 54.0–.26 36.57N 20.47E 13–11 4.1L,4.0L
THE VII 09 09 02 54.6 36.31N 21.39E 26–1 4.5L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=14.5km az=2.0.
NEIC Event type se. After ATH.
MOS Error ellipse: s-maj=9.9km s-min=3.8km az=80.2.
ATH Error ellipse: s-maj=3.4km s-min=2.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.3km az=25.0.
PDG Event type ke. Error ellipse: s-maj=223.6km s-min=43.8km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=1.1km az=186.0.
ISC VII 10 00 04 20.3–.58 37.84N–.03 21.38E–.04 23–5 71 0-2
NEIC VII 10 00 04 19.5 37.84N 21.40E 25 2.8 ¶12951172
ATH VII 10 00 04 19.5 37.84N 21.40E 25–1 2.8
ISCJB VII 10 00 04 20.4–.52 37.85N–.03 21.39E–.04 27–4 2.8
CSEM VII 10 00 04 20.2–.22 37.83N 21.39E 20–0 2.8
THE VII 10 00 04 20.3 37.86N 21.38E 0–2 2.6L
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.6km az=20.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=45.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=226.0.
ISC VII 10 19 34 13.1–.55 37.32N–.03 22.97E–.04 14–5 49 0-1
ISCJB VII 10 19 34 12.9–.69 37.32N–.03 22.96E–.04 7–6 ¶13388695
CSEM VII 10 19 34 12.9–.16 37.32N 22.98E 15 2.9
ATH VII 10 19 34 13.1 37.33N 22.96E 7–5 2.9
THE VII 10 19 34 13.4 37.33N 22.94E 9–2 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=42.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=120.0.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.4km az=147.0.
ISC VII 11 14 55 31.4–.40 37.86N–.02 21.44E–.02 4–3 152 0-2
CSEM VII 11 14 55 30.6–.21 37.85N 21.41E 2 3.0L ¶12951201
THE VII 11 14 55 30.9 37.85N 21.45E 0–1 3.8L
ISCJB VII 11 14 55 31.0–.35 37.85N–.02 21.42E–.02 10 3.8L
NEIC VII 11 14 55 31.2 37.90N 21.43E 21 3.0L
ATH VII 11 14 55 31.2 37.90N 21.43E 21–2 3.5,3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=57.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=217.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=136.5.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.
ISC VII 11 23 08 59.5–.44 37.91N–.04 23.38E–.03 12–6 52 0-1
ISCJB VII 11 23 08 59.1–.52 37.91N–.03 23.41E–.03 11–5 ¶13388776
ATH VII 11 23 08 59.0 37.90N 23.38E 19–2 2.5,1.4L
CSEM VII 11 23 08 59.3–.06 37.91N 23.39E 10 1.4L,1.4L
THE VII 11 23 08 59.6 37.90N 23.39E 6–2 2.2L,1.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=174.3.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=10.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.6km az=163.0.
ISC VII 12 11 23 29.5–.57 37.41N–.02 21.29E–.03 8–3 3.6b 155 1-45
IDC VII 12 11 23 24.0–.32 37.47N 21.41E 0 3.7,3.7 ¶11811352
NEIC VII 12 11 23 28.7 37.42N 21.24E 28 3.4L,3.7
ISCJB VII 12 11 23 28.7–.55 37.42N–.02 21.29E–.03 6–3 3.6b,3.7
ATH VII 12 11 23 28.7 37.42N 21.24E 28–1 3.4,3.2L
THE VII 12 11 23 29.7 37.44N 21.31E 4–0 3.9L,3.2L
CSEM VII 12 11 23 29.3–.27 37.42N 21.29E 9–0 3.9L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=628.3km s-min=59.3km az=38.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.1km az=141.5.
ATH Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=228.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=48.0.
ISC VII 12 15 33 37.9–.39 37.60N–.02 21.97E–.03 10–3 99 0-2
ISCJB VII 12 15 33 37.2–.60 37.59N–.02 21.94E–.04 9–4 ¶12951233
NEIC VII 12 15 33 37.4 37.58N 21.94E 21 2.6L
ATH VII 12 15 33 37.4 37.58N 21.94E 21–1 2.9,2.6L
THE VII 12 15 33 37.8 37.60N 21.99E 4–2 3.2L,2.6L
CSEM VII 12 15 33 37.6–.17 37.59N 21.96E 9–0 3.2L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=176.3.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=95.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=90.0.
ISC VII 12 16 18 57.8–.60 37.42N–.03 21.31E–.04 13–3 115 1-2
ATH VII 12 16 18 56.7 37.41N 21.27E 29–1 3.2 ¶12951232
NEIC VII 12 16 18 56.7 37.41N 21.27E 29 3.2
ISCJB VII 12 16 18 57.2–.59 37.43N–.02 21.32E–.04 9–3 3.2
CSEM VII 12 16 18 57.2–.25 37.42N 21.27E 15 3.6L
THE VII 12 16 18 58.3 37.46N 21.34E 6–1 3.6L
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=143.8.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=49.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=212.0.
ISC VII 13 01 04 59.1–.63 37.47N–.03 21.42E–.05 16–5 80 0-2
ATH VII 13 01 04 57.6 37.45N 21.34E 23–2 3.5 ¶12951281
NEIC VII 13 01 04 57.6 37.45N 21.34E 23 3.5
CSEM VII 13 01 04 58.5–.36 37.47N 21.39E 15 3.5
THE VII 13 01 04 59.1 37.46N 21.34E 3–2 2.7L
ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=4.9km az=53.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.7km az=213.0.
ISC VII 13 02 10 09.0–.69 36.58N–.04 22.84E–.05 9–5 69 0-4
ISCJB VII 13 02 10 08.4–.67 36.58N–.04 22.82E–.05 6–5 ¶12951279
ATH VII 13 02 10 08.2 36.59N 22.87E 24–0 3.5
NEIC VII 13 02 10 08.2 36.59N 22.87E 24 3.5
CSEM VII 13 02 10 08.7–.15 36.57N 22.82E 8 3.5
THE VII 13 02 10 11.0 36.67N 22.77E 6–1 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.9km az=139.8.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=54.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=160.0.
ISC VII 13 02 18 24.1–1.6 36.21N–.07 22.15E–.08 15–14 54 1-10
ISCJB VII 13 02 18 24.3–1.2 36.19N–.06 22.14E–.07 22–8 ¶12951278
ATH VII 13 02 18 24.8 36.25N 22.16E 35–2 3.5
NEIC VII 13 02 18 24.7 36.24N 22.15E 34 3.5
CSEM VII 13 02 18 24.1–.59 36.24N 22.15E 13–4 3.0L
THE VII 13 02 18 26.5 36.29N 22.15E 18–9 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=7.4km az=135.6.
ATH Error ellipse: s-maj=1.6km s-min=1.4km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=6.7km az=50.0.
THE Event type ke. Error ellipse: s-maj=12.8km s-min=2.2km az=216.0.
ISC VII 13 18 56 49.0–.49 37.81N–.03 21.36E–.04 21–8 85 0-2
ATH VII 13 18 56 47.7 37.81N 21.37E 28–1 3.1 ¶12951258
NEIC VII 13 18 56 47.7 37.81N 21.37E 27 3.1
ISCJB VII 13 18 56 49.0–.50 37.82N–.03 21.36E–.04 27–6 3.1

CSEM VII 13 18 56 48.3–.24 37.83N 21.36E 20 3.1
THE VII 13 18 56 49.1 37.82N 21.38E 15–1 2.8L
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.9km az=41.1.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.6km az=62.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=320.0.
ISC VII 14 00 03 31.4–.54 36.17N–.02 23.21E–.03 20–5 3.7b 309 0-45
ATH VII 14 00 03 30.4 36.20N 23.25E 24–1 3.1L **¶11811516**
NEIC VII 14 00 03 30.4 36.20N 23.25E 24 3.8L,3.1L
ISCJB VII 14 00 03 31.0–.54 36.16N–.02 23.14E–.03 32–5 3.7b,3.1L
CSEM VII 14 00 03 31.2–.20 36.15N 23.20E 20 3.1L,3.1L
THE VII 14 00 03 33.5 36.25N 23.29E 22–5 3.8L,3.1L
IDC VII 14 00 03 34.2–2.3 36.09N 23.25E 58–33 3.6,3.5L
ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=137.3.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.4km az=39.0.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=1.2km az=194.0.
IDC Error ellipse: s-maj=44.6km s-min=16.4km az=12.0.
ISC VII 14 05 19 06.6–.57 36.95N–.03 23.72E–.06 80–10 97 1-4
ISCJB VII 14 05 19 05.8–.54 36.95N–.03 23.71E–.06 85–9 **¶12951305**
ATH VII 14 05 19 05.4 36.91N 23.77E 80–5 2.7L
NEIC VII 14 05 19 05.3 36.91N 23.76E 82 2.7
CSEM VII 14 05 19 06.5–.13 36.94N 23.71E 80 4.7L
THE VII 14 05 19 06.9 36.98N 23.71E 22–5 4.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.5km az=154.6.
ATH Error ellipse: s-maj=1.0km s-min=2.0km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.9km az=61.0.
THE Event type ke. Error ellipse: s-maj=5.9km s-min=1.4km az=70.0.
ISC VII 15 00 55 40.7–.44 37.89N–.02 21.48E–.03 11–3 103 0-2
NEIC VII 15 00 55 39.4 37.92N 21.40E 25 3.0 **¶12951336**
ATH VII 15 00 55 39.4 37.92N 21.40E 25–2 3.0
ISCJB VII 15 00 55 40.0–.52 37.89N–.02 21.47E–.03 5–4 3.0
THE VII 15 00 55 40.6 37.91N 21.49E 0–2 3.2L
CSEM VII 15 00 55 40.0–.20 37.90N 21.46E 10 3.0
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=139.3.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=233.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=68.0.
ATH VII 15 22 19 30.2 36.95N 21.36E 15–1 3.4
NEIC VII 15 22 19 30.2 36.95N 21.36E 15 3.4 **¶12951311**
CSEM VII 15 22 19 30.2 36.95N 21.36E 15 3.4
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VII 16 23 13 45.0–1.2 36.39N–.05 21.94E–.07 2–7 60 1-3
ISCJB VII 16 23 13 45.8–.93 36.43N–.04 21.96E–.06 10 **¶12951344**
ATH VII 16 23 13 45.9 36.44N 21.98E 4–3 3.5
NEIC VII 16 23 13 45.9 36.44N 21.98E 4 3.5
CSEM VII 16 23 13 46.2–.55 36.45N 21.99E 2 3.1L
THE VII 16 23 13 46.3 36.46N 21.93E 2–2 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.5km az=144.7.
ATH Error ellipse: s-maj=2.0km s-min=1.8km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=12.1km s-min=5.6km az=52.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=301.0.
ATH VII 17 23 51 07.9 37.83N 23.72E 14–1 1.9L
CSEM VII 17 23 51 07.8–.25 37.85N 23.73E 14–0 1.9L **¶13389463**
THE VII 17 23 51 09.2 37.85N 23.67E 6–1 1.9L
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=117.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=149.0.
ISC VII 20 12 20 45.4–.81 37.87N–.04 21.44E–.04 20–5 49 0-2
ATH VII 20 12 20 44.9 37.94N 21.44E 28–0 2.9 **¶12951503**
NEIC VII 20 12 20 44.9 37.94N 21.44E 28 3.0
CSEM VII 20 12 20 45.4–.23 37.90N 21.44E 20 3.0
THE VII 20 12 20 45.6 37.91N 21.46E 0–2 2.7L
ISC Event type ke.
ATH Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=5.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.6km az=200.0.
ISC VII 23 15 33 25.2–.48 37.83N–.02 21.42E–.03 4–5 103 0-2
ISCJB VII 23 15 33 24.8–.44 37.84N–.02 21.41E–.03 10 **¶12951602**
THE VII 23 15 33 24.7 37.85N 21.43E 1–0 3.2L
CSEM VII 23 15 33 24.8–.15 37.84N 21.41E 18–0 3.1
ATH VII 23 15 33 25.2 37.84N 21.41E 15–2 3.1
NEIC VII 23 15 33 25.2 37.84N 21.41E 15 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=27.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.2km az=200.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=54.0.
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 23 21 53 55.3–1.9 36.2N–.10 21.2E–.10 21–18 39 1-7
ATH VII 23 21 53 55.4 36.21N 21.42E 27–3 3.3 **¶12951593**
NEIC VII 23 21 53 55.4 36.21N 21.42E 27 3.3
THE VII 23 21 53 56.5 36.52N 20.97E 16–2 3.6L
CSEM VII 23 21 53 57.0–1.0 36.23N 21.45E 19–0 3.3
ISC Event type ke.
ATH Error ellipse: s-maj=3.7km s-min=6.9km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=6.8km s-min=1.2km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=22.5km s-min=11.3km az=56.0.
ISC VII 23 22 04 05.6–1.4 36.36N–.05 21.52E–.10 20–7 62 1-7
CSEM VII 23 22 04 03.2–.77 36.30N 21.32E 15 3.2L **¶12951592**
ATH VII 23 22 04 04.7 36.30N 21.54E 28–1 3.6
ISCJB VII 23 22 04 05.3–1.2 36.40N–.05 21.60E–.09 10 3.6
NEIC VII 23 22 04 07.7 36.30N 21.54E 29 3.6
THE VII 23 22 04 09.2 36.49N 21.83E 13–0 3.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.1km s-min=8.7km az=54.0.
ATH Error ellipse: s-maj=1.5km s-min=1.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.7km az=152.1.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=229.0.
ISC VII 23 22 59 52.7–.68 37.88N–.04 21.56E–.03 17–5 52 0-1
ISCJB VII 23 22 59 52.3–.71 37.87N–.04 21.55E–.03 9–5 **¶13389937**
CSEM VII 23 22 59 52.3–.17 37.87N 21.55E 15 2.8
THE VII 23 22 59 52.9 37.88N 21.57E 11–4 2.9L
ATH VII 23 22 59 52.8 37.94N 21.53E 22 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=179.5.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=179.0.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=0.3km az=15.0.
ATH Error ellipse: s-maj=3.8km s-min=3.2km az=-1.0.
ISC VII 26 02 57 35.8–.51 37.94N–.04 21.51E–.03 17–5 66 0-1
ISCJB VII 26 02 57 36.0–.44 37.96N–.03 21.52E–.03 23–4 **¶12951675**
CSEM VII 26 02 57 35.4–.12 37.92N 21.52E 12 3.1
THE VII 26 02 57 35.5 37.94N 21.52E 13–1 2.7L
NEIC VII 26 02 57 35.7 37.94N 21.51E 19 3.1
ATH VII 26 02 57 35.7 37.94N 21.51E 19–4 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=1.2.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=11.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=359.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.6km s-min=1.1km az=-1.0.
ISC VII 26 19 20 46.6–.64 37.89N–.05 21.47E–.03 21–7 47 0-1
ISCJB VII 26 19 20 46.6–.58 37.89N–.05 21.47E–.03 23–7 **¶13390181**
CSEM VII 26 19 20 46.2–.24 37.89N 21.48E 18–1 2.8
THE VII 26 19 20 46.7 37.90N 21.48E 19–16 2.4L
ATH VII 26 19 20 46.2 37.91N 21.49E 21–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.4km az=179.6.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=173.0.
THE Event type ke. Error ellipse: s-maj=16.5km s-min=0.3km az=0.0.
ATH Error ellipse: s-maj=1.4km s-min=1.1km az=-1.0.
ISC VII 28 01 58 21.7–.39 36.27N–.03 21.90E–.04 57–5 3.5b 172 1-46
IDC VII 28 01 58 12.2–3.6 35.97N 21.92E 0 3.7b,3.6 **¶11812754**
ATH VII 28 01 58 19.8 36.25N 21.90E 42–2 3.2L,3.6
NEIC VII 28 01 58 19.2 36.18N 21.83E 5 3.4L,3.6
THE VII 28 01 58 19.8 36.18N 21.88E 26–1 4.4L,3.6
ISCJB VII 28 01 58 20.3–.41 36.25N–.03 21.86E–.04 64–5 3.5b,3.6
CSEM VII 28 01 58 21.4–.19 36.26N 21.91E 30 3.2L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=65.4km s-min=26.7km az=18.0.
ATH Error ellipse: s-maj=1.7km s-min=2.2km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=245.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=61.0.
ISC VII 28 23 22 36.1–.75 38.00N–.05 21.39E–.03 17–6 51 0-2
ISCJB VII 28 23 22 35.7–.73 37.98N–.05 21.39E–.03 11–6 **¶13390343**
ATH VII 28 23 22 35.9 37.99N 21.33E 14–2 3.0
THE VII 28 23 22 36.1 38.01N 21.40E 14–1 2.4L
CSEM VII 28 23 22 36.0–.25 38.00N 21.39E 18–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.3km az=168.0.
ATH Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.6km az=346.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.7km az=166.0.
ATH VII 29 03 05 53.4 36.41N 21.79E 28 3.5
CSEM VII 29 03 05 53.4 36.41N 21.79E 28 3.5 **¶13390356**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VII 30 20 19 14.5–.67 37.22N–.03 23.46E–.04 9–5 77 0-2
ISCJB VII 30 20 19 13.9–.67 37.22N–.03 23.46E–.04 6–5 **¶12951750**
ATH VII 30 20 19 14.3 37.24N 23.43E 21–0 2.7L
THE VII 30 20 19 14.8 37.23N 23.44E 4–2 3.1L
CSEM VII 30 20 19 14.8–.28 37.28N 23.50E 15 2.7L
NEIC VII 30 20 19 18.3 37.45N 23.33E 5 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.9km az=35.4.
ATH Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=326.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=135.0.
NEIC Event type se. After ATH.
ISC VII 31 08 38 49.5–.25 36.55N–.02 21.48E–.02 10 4.5b,3.2s 489 0-121
ISCJB VII 31 08 38 47.8–.26 36.57N–.02 21.36E–.02 10 4.5b,3.2s **¶13390492**
ATH VII 31 08 38 51.6 36.60N 21.51E 34–1 4.1L,3.2s
NEIC VII 31 08 38 51.3 36.58N 21.49E 34 4.4b,4.1L
IDC VII 31 08 38 52.2–3.9 36.71N 21.66E 31–29 4.2,4.1
THE VII 31 08 38 52.7 36.55N 21.60E 17–1 4.6L,4.1
MOS VII 31 08 38 53.7–.98 36.79N 21.55E 60 4.9b,4.1
CSEM VII 31 08 38 53.8–.20 36.66N 21.52E 49–2 4.5b,4.1
PDG VII 31 08 38 54.9–.14 36.98N 20.87E 10–11 4.6L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=179.9.
ATH Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
NEIC Event type se. After ATH.
IDC Error ellipse: s-maj=16.2km s-min=11.8km az=162.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=330.0.
MOS Error ellipse: s-maj=6.7km s-min=3.2km az=85.9.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=21.0.
PDG Event type ke. Error ellipse: s-maj=136.8km s-min=35.8km az=90.0.
ISC VII 31 12 20 22.0–.53 37.69N–.02 21.36E–.02 1–3 4.1b,3.2s 282 0-79
PDG VII 31 12 20 12.4–.40 36.88N 19.99E 8–11 4.1,4.0L **¶11163304**
ISCJB VII 31 12 20 20.8–.53 37.69N–.02 21.32E–.02 1–3 4.0b,3.2s
IDC VII 31 12 20 21.5–1.3 38.17N 21.66E 0 3.9,3.9
CSEM VII 31 12 20 22.2–.19 37.71N 21.37E 2 3.9L,3.9
THE VII 31 12 20 22.2 37.68N 21.39E 4–0 4.5L,3.9
NEIC VII 31 12 20 23.6 37.79N 21.37E 19 4.3b,4.0L
ATH VII 31 12 20 23.6 37.79N 21.38E 17–0 3.9L,4.0L
MOS VII 31 12 20 24.6–.96 37.80N 21.31E 58 4.1b,4.0L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=330.0km s-min=43.5km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=29.6.
IDC Error ellipse: s-maj=26.3km s-min=23.5km az=136.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=38.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=23.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
MOS Error ellipse: s-maj=9.1km s-min=4.5km az=80.2.
ISC VII 31 14 32 52.4–.38 37.94N–.02 21.82E–.03 12–3 108 0-2
ISCJB VII 31 14 32 51.9–.38 37.93N–.02 21.82E–.03 9–3 **¶12951781**
CSEM VII 31 14 32 51.9–.16 37.93N 21.81E 19–0 2.8L
THE VII 31 14 32 51.9 37.92N 21.82E 11–1 3.5L
ATH VII 31 14 32 52.1 37.95N 21.84E 19–2 2.8L
NEIC VII 31 14 32 52.1 37.95N 21.84E 19 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=60.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=53.0.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 31 23 28 29.8–.52 37.91N–.04 21.45E–.04 25–4 62 0-2
ISCJB VII 31 23 28 29.8–.50 37.91N–.04 21.45E–.04 26–4 **¶12951774**
ATH VII 31 23 28 29.3 37.92N 21.47E 25–2 2.9
CSEM VII 31 23 28 29.7–.18 37.90N 21.46E 20–0 2.9
THE VII 31 23 28 29.8 37.90N 21.46E 17–1 2.8L
NEIC VII 31 23 28 29.3 37.92N 21.47E 25 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=7.2.
ATH Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.6km az=6.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=169.0.
NEIC Event type se. After ATH.
ISC VII 31 23 46 38.5–1.7 36.29N–.06 21.76E–.09 6–6 45 1-4
NEIC VII 31 23 46 37.3 36.27N 21.70E 21 3.3 **¶12951773**
ATH VII 31 23 46 37.2 36.27N 21.70E 21–0 3.3
CSEM VII 31 23 46 38.2–.81 36.27N 21.92E 2 3.6L
THE VII 31 23 46 40.0 36.38N 21.82E 2–1 3.6L
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=18.6km s-min=10.8km az=46.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.7km az=299.0.
ISC VIII 03 12 47 12.3–.47 37.33N–.02 23.51E–.03 10–3 3.5b 203 0-120
IDC VIII 03 12 47 09.9–1.3 37.19N 23.55E 0 3.7b,3.7 **¶11907735**
ISCJB VIII 03 12 47 12.0–.62 37.38N–.02 23.56E–.03 12–4 3.5b,3.7
NEIC VIII 03 12 47 12.6 37.38N 23.47E 22 3.8L,3.5b
ATH VIII 03 12 47 12.5 37.39N 23.49E 22–1 3.7,3.7L
CSEM VIII 03 12 47 12.1–.17 37.36N 23.51E 2 3.8L,3.7L
THE VIII 03 12 47 13.0 37.39N 23.48E 4–2 3.4L,3.7L

ISC Event type ke.
IDC Error ellipse: s-maj=30.4km s-min=22.6km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=41.2.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.7km az=4.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=257.0.

ISC	**VIII**	**03 13 01 08.0–.46**	**37.33N–.02**	**23.49E–.02**	**9–3**	**3.9b**	**313**	**0-120**
IDC	VIII	03 13 01 06.2–.86	37.35N	23.54E	0	3.7,3.6b		¶11308390
ISCJB	VIII	03 13 01 07.7–.54	37.38N–.02	23.55E–.02	14–4	3.9b,3.6b		
NEIC	VIII	03 13 01 08.3	37.38N	23.48E	21	4.1L,3.7b		
THE	VIII	03 13 01 08.9	37.38N	23.48E	4–3	3.9L,3.7b		
CSEM	VIII	03 13 01 08.2–.14	37.36N	23.49E	8	4.1L,3.7b		
ATH	VIII	03 13 01 08.4	37.38N	23.47E	21–1	4.1L,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=17.6km az=153.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=34.2.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=2.0km az=327.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=32.0.
ATH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.

ISC	**VIII**	**03 13 34 04.4–.61**	**37.94N–.04**	**21.05E–.05**	**12–5**		**54**	**0-2**
CSEM	VIII	03 13 34 03.6–.37	37.91N	21.04E	2	2.1L		¶12099649
THE	VIII	03 13 34 03.6	37.88N	20.96E	22–0	2.1L		
ISCJB	VIII	03 13 34 04.3–.70	37.96N–.04	21.05E–.05	12–6	2.1L		
NEIC	VIII	03 13 34 04.2	38.02N	21.03E	18	3.0		
ATH	VIII	03 13 34 04.2	38.02N	21.03E	18–2	3.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=5.8km az=51.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=236.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.7km az=136.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.6km s-min=1.3km az=-1.0.

ATH	**VIII**	**03 18 42 32.4**	**37.70N**	**23.23E**	**36–6**	**2.9**		¶13390796

ATH Error ellipse: s-maj=5.9km s-min=13.8km az=-1.0.

ISC	**VIII**	**05 03 43 24.9–1.3**	**36.05N–.06**	**21.5E–.10**	**1–8**		**88**	**1-7**
ISCJB	VIII	05 03 43 24.1–1.0	36.01N–.05	21.39E–.09	10			¶13390894
CSEM	VIII	05 03 43 24.8–.50	36.03N	21.53E	2	3.1		
ATH	VIII	05 03 43 26.0	36.11N	21.51E	28–3	3.1		
THE	VIII	05 03 43 26.5	36.08N	21.56E	4–2	3.2L		
NEIC	VIII	05 03 43 34.6	36.50N	21.81E	5	3.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.7km az=155.3.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=6.1km az=49.0.
ATH Error ellipse: s-maj=3.5km s-min=4.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.2km s-min=2.3km az=248.0.
NEIC Event type se. After ATH.

ISC	**VIII**	**05 14 14 31.8–.64**	**37.73N–.04**	**21.15E–.05**	**10**		**45**	**0-2**
ATH	VIII	05 14 14 29.4	37.85N	21.05E	5	3.1		¶13390928
ISCJB	VIII	05 14 14 30.8–.72	37.66N–.04	21.09E–.06	10	3.1		
CSEM	VIII	05 14 14 31.4–.35	37.73N	21.18E	2	2.4L		
THE	VIII	05 14 14 32.1	37.73N	21.11E	7–3	2.4L		

ISC Event type ke.
ATH Error ellipse: s-maj=2.1km s-min=6.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=3.6km az=135.3.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.5km az=45.0.
THE Event type ke. Error ellipse: s-maj=5.2km s-min=1.0km az=234.0.

ISC	**VIII**	**07 07 02 29.9–1.6**	**36.16N–.06**	**21.69E–.08**	**2–8**		**34**	**1-2**
ATH	VIII	07 07 02 28.8	36.10N	21.73E	5	3.6		¶13391059
THE	VIII	07 07 02 30.6	36.16N	21.50E	20–6	2.8L		
CSEM	VIII	07 07 02 32.2–.88	36.24N	21.90E	2	2.8L		

ISC Event type ke.
ATH Error ellipse: s-maj=3.3km s-min=2.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=8.9km s-min=1.7km az=255.0.
CSEM Event type ke. Error ellipse: s-maj=19.6km s-min=10.2km az=57.0.

ISC	**VIII**	**07 12 28 17.6–.44**	**37.89N–.03**	**21.43E–.03**	**26–4**		**102**	**0-2**
ATH	VIII	07 12 28 16.7	37.88N	21.44E	22–2	3.3		¶12099753
NEIC	VIII	07 12 28 16.7	37.88N	21.44E	22	3.3		
CSEM	VIII	07 12 28 16.7–.25	37.86N	21.43E	10	3.3		
ISCJB	VIII	07 12 28 17.6–.42	37.90N–.03	21.43E–.03	28–4	3.3		
THE	VIII	07 12 28 17.6	37.89N	21.44E	0–2	2.3L		

ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.5km az=36.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=8.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=210.0.

ISC	**VIII**	**08 02 39 21.0–1.4**	**36.31N–.05**	**21.62E–.08**	**7–15**		**50**	**1-2**
NEIC	VIII	08 02 39 23.6	36.39N	21.79E	15	3.5		¶12099775
ATH	VIII	08 02 39 23.6	36.39N	21.79E	15–2	3.5		
THE	VIII	08 02 39 23.5	36.40N	21.52E	0–7	2.4L		
CSEM	VIII	08 02 39 26.4–.76	36.51N	21.88E	2	3.5		

ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.5km s-min=2.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=11.6km s-min=2.3km az=267.0.
CSEM Event type ke. Error ellipse: s-maj=19.3km s-min=9.3km az=54.0.

ISC	**VIII**	**09 04 23 34.3–1.4**	**36.30N–.05**	**21.80E–.07**	**2–6**		**50**	**1-2**
ISCJB	VIII	09 04 23 34.7–1.1	36.31N–.05	21.76E–.07	10			¶13391218
ATH	VIII	09 04 23 34.0	36.27N	21.81E	13–1	3.1		
CSEM	VIII	09 04 23 35.4–.58	36.34N	21.85E	2	2.4L		
THE	VIII	09 04 23 35.4	36.36N	21.77E	4–1	2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=4.9km az=146.3.
ATH Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=6.0km az=55.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=59.0.

ISC	**VIII**	**09 16 56 40.3–.55**	**37.88N–.03**	**21.50E–.03**	**1–15**		**66**	**0-1**
ISCJB	VIII	09 16 56 39.9–.46	37.89N–.03	21.49E–.03	10			¶13391265
ATH	VIII	09 16 56 39.1	37.95N	21.47E	27–2	2.7		
CSEM	VIII	09 16 56 39.8–.26	37.89N	21.50E	10	2.7		
THE	VIII	09 16 56 40.2	37.91N	21.50E	0–2	2.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=173.1.
ATH Error ellipse: s-maj=1.6km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=3.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=205.0.

ISC	**VIII**	**10 02 11 02.1–.50**	**37.99N–.03**	**21.17E–.03**	**7–4**		**84**	**0-2**
ISCJB	VIII	10 02 11 01.6–.55	37.99N–.03	21.17E–.03	2–5			¶12099831
NEIC	VIII	10 02 11 01.9	37.99N	21.16E	9	3.1		
ATH	VIII	10 02 11 01.9	37.99N	21.16E	9–6	3.1		
CSEM	VIII	10 02 11 01.7–.19	37.99N	21.17E	8	3.1		
THE	VIII	10 02 11 02.2	38.01N	21.18E	4–1	2.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.3km az=10.6.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.9km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=17.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=227.0.

ISC	**VIII**	**11 02 45 08.1–1.2**	**36.10N–.06**	**21.81E–.05**	**12–5**		**75**	**1-7**
ATH	VIII	11 02 45 05.9	36.03N	21.70E	5	3.6		¶12099859
NEIC	VIII	11 02 45 05.9	36.03N	21.69E	5	3.6		
ISCJB	VIII	11 02 45 07.0–1.2	36.08N–.06	21.77E–.06	9–5	3.6		
CSEM	VIII	11 02 45 09.4–.79	36.17N	21.88E	2	3.1L		
THE	VIII	11 02 45 13.4	36.40N	21.91E	0–2	3.1L		

ISC Event type ke.
ATH Error ellipse: s-maj=4.7km s-min=5.4km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=7.6km az=0.3.
CSEM Event type ke.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.4km az=240.0.

ISC	**VIII**	**12 00 01 42.9–.65**	**36.83N–.03**	**22.51E–.04**	**8–7**		**49**	**0-2**
ISCJB	VIII	12 00 01 42.5–.63	36.84N–.03	22.51E–.04	10			¶12099882
NEIC	VIII	12 00 01 42.9	36.87N	22.53E	6	3.0		
ATH	VIII	12 00 01 42.9	36.87N	22.53E	6–0	3.0		
THE	VIII	12 00 01 42.8	36.86N	22.54E	0–5	2.1L		
CSEM	VIII	12 00 01 43.0–.40	36.86N	22.50E	8	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=135.9.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.8km s-min=1.1km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=7.0km az=51.0.

ISC	**VIII**	**12 20 59 57.5–.89**	**36.13N–.04**	**21.20E–.04**	**1–7**	**3.8b**	**219**	**1-80**
ISCJB	VIII	12 20 59 56.1–.79	36.12N–.04	21.13E–.04	4–6	3.7b		¶13391576
THE	VIII	12 20 59 58.9	36.14N	21.36E	2–3	3.3L		
CSEM	VIII	12 20 59 58.8–.36	36.06N	21.20E	20	3.7		
NEIC	VIII	12 20 59 58.4	36.20N	21.23E	21	3.4L		
ATH	VIII	12 20 59 59.1	36.23N	21.26E	23–5	3.7,3.4L		
IDC	VIII	12 20 59 59.5–2.4	36.56N	21.64E	0	3.8,3.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.2km az=16.5.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=1.9km az=209.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=5.1km az=14.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=4.5km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=45.8km s-min=31.0km az=4.0.

ISC	**VIII**	**14 00 40 09.4–.91**	**37.10N–.03**	**23.71E–.04**	**16–5**		**69**	**1-2**
ATH	VIII	14 00 40 08.6	37.07N	23.71E	28–0	3.0,2.3L		¶13391684
ISCJB	VIII	14 00 40 09.8–.73	37.10N–.03	23.70E–.04	22–6	3.0,2.3L		
THE	VIII	14 00 40 10.4	37.13N	23.64E	11–1	2.1L,2.3L		
CSEM	VIII	14 00 40 10.0–.33	37.08N	23.73E	28–1	2.1L,2.3L		

ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.9km az=141.8.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=5.6km az=92.0.

ISC	**VIII**	**15 14 28 32.1–.67**	**37.90N–.05**	**21.50E–.04**	**29–4**		**47**	**0-1**
ATH	VIII	15 14 28 31.1	37.90N	21.49E	26–1	3.0		¶13391807
THE	VIII	15 14 28 32.5	37.91N	21.50E	10–3	1.8L		
CSEM	VIII	15 14 28 32.4–.21	37.92N	21.50E	21–2	3.0		

ISC Event type ke.
ATH Error ellipse: s-maj=1.9km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.6km az=124.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=174.0.

ISC	**VIII**	**15 20 48 26.9–.46**	**37.94N–.02**	**21.50E–.03**	**13–4**		**77**	**0-1**
ISCJB	VIII	15 20 48 26.3–.47	37.93N–.02	21.49E–.03	5–5			¶13391822
CSEM	VIII	15 20 48 26.1–.21	37.92N	21.47E	12	3.1		
ATH	VIII	15 20 48 26.9	37.98N	21.57E	21–2	3.1		
THE	VIII	15 20 48 26.7	37.94N	21.50E	5–1	2.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.8km az=37.4.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.8km az=76.0.
ATH Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=345.0.

ISC	**VIII**	**16 05 12 41.9–1.6**	**36.61N–.08**	**21.26E–.06**	**8–5**		**51**	**0-3**
ATH	VIII	16 05 12 42.0	36.61N	21.31E	17–2	3.7		¶12099975
NEIC	VIII	16 05 12 42.0	36.61N	21.31E	17	3.7		
THE	VIII	16 05 12 42.6	36.70N	21.23E	1–3	2.7L		
CSEM	VIII	16 05 12 42.8–1.1	36.62N	21.27E	14–1	3.7		

ISC Event type ke.
ATH Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=6.4km s-min=2.0km az=187.0.
CSEM Event type ke. Error ellipse: s-maj=23.2km s-min=12.2km az=24.0.

ISC	**VIII**	**17 11 44 51.3–.45**	**37.99N–.02**	**21.50E–.03**	**16–2**		**140**	**0-2**
ATH	VIII	17 11 44 50.7	38.01N	21.51E	27–0	2.5L		¶12100009
NEIC	VIII	17 11 44 50.7	38.01N	21.51E	27	2.5L		
ISCJB	VIII	17 11 44 51.6–.39	38.00N–.02	21.51E–.03	21–3	2.5L		
CSEM	VIII	17 11 44 51.6–.16	38.01N	21.51E	20	2.5L		
THE	VIII	17 11 44 51.5	37.99N	21.52E	10–1	2.6L		

ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=44.7.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=3.0km az=43.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=344.0.

ISC	**VIII**	**19 20 48 36.8–.42**	**36.28N–.02**	**21.99E–.02**	**29–3**	**4.1b**	**545**	**1-121**
IDC	VIII	19 20 48 32.7–.76	36.40N	22.22E	0	4.0,4.0b		¶11255460
BJI	VIII	19 20 48 34.9	36.40N	22.10E	31	4.5b,4.0b		
CSEM	VIII	19 20 48 35.6–.19	36.29N	22.01E	15	4.1b,4.0b		
NEIC	VIII	19 20 48 36.9	36.36N	22.07E	31	4.0b,3.8L		
MOS	VIII	19 20 48 36.0–1.4	36.37N	22.05E	33	4.3b,3.8L		
ATH	VIII	19 20 48 36.9	36.36N	22.07E	31–0	3.8L,3.8L		
THE	VIII	19 20 48 37.2	36.34N	22.08E	3–1	3.8L,3.8L		
PDG	VIII	19 20 48 39.5–.13	36.57N	20.93E	7–11	4.4L,3.8L		
HLW	VIII	19 20 48 42.3	36.33N	23.04E	34–44	3.5L,3.8L		

ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=14.5km az=12.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=41.0.
NEIC Event type se. After ATH.
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=93.1.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=254.0.
PDG Event type ke. Error ellipse: s-maj=107.2km s-min=28.6km az=90.0.

ISC	**VIII**	**20 03 34 51.8–.41**	**37.95N–.02**	**21.51E–.03**	**5–4**		**117**	**0-2**
ISCJB	VIII	20 03 34 51.4–.41	37.95N–.02	21.51E–.03	10			¶12100078
CSEM	VIII	20 03 34 51.5–.17	37.95N	21.51E	8	2.6L		
THE	VIII	20 03 34 51.5	37.96N	21.51E	0–2	2.4L		
ATH	VIII	20 03 34 51.7	37.96N	21.55E	12–1	3.2,2.6L		
NEIC	VIII	20 03 34 51.7	37.96N	21.55E	12	2.6L,2.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=159.1.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=38.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=253.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
NEIC Event type se. After ATH.

ISC	**VIII**	**20 11 47 07.7–.89**	**36.50N–.05**	**22.26E–.05**	**19–4**		**70**	**1-3**
THE	VIII	20 11 47 06.8	36.49N	22.38E	6–1	2.9L		¶12100094
ISCJB	VIII	20 11 47 07.5–.89	36.48N–.05	22.26E–.05	23–5	2.9L		
NEIC	VIII	20 11 47 07.5	36.54N	22.27E	35	3.6		
ATH	VIII	20 11 47 07.5	36.54N	22.27E	35–2	3.6		
CSEM	VIII	20 11 47 08.1–.44	36.49N	22.24E	30	3.6		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=222.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.7km az=30.6.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.9km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=6.3km az=37.0.

ISC	**VIII**	**20 17 26 35.1–.36**	**37.79N–.02**	**21.37E–.02**	**11–2**	**4.2b,3.4s**	**398**	**0-121**
HLW	VIII	20 17 26 32.8	37.86N	21.30E	34–39	3.6L,3.4s		¶13392209
IDC	VIII	20 17 26 33.4–.75	37.93N	21.41E	0	4.0b,4.0		
BJI	VIII	20 17 26 33.0	37.68N	20.55E	53	4.9b,4.7s		
NEIC	VIII	20 17 26 35.4	37.85N	21.31E	12	4.3b,4.0L		
ATH	VIII	20 17 26 35.4	37.85N	21.31E	12–1	4.0L,4.0L		
CSEM	VIII	20 17 26 35.2–.14	37.83N	21.36E	10	4.1b,4.0L		
PDG	VIII	20 17 26 35.3–1.1	37.84N	21.34E	8–2	4.0L,4.0L		
THE	VIII	20 17 26 35.4	37.85N	21.34E	0–2	4.3L,4.0L		
MOS	VIII	20 17 26 38.0–1.4	38.00N	21.49E	33	4.4b,4.0L		

ISC Event type ke.
IDC Error ellipse: s-maj=17.4km s-min=12.5km az=153.0.

NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=26.0.
PDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=90.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=202.0.
MOS Error ellipse: s-maj=8.0km s-min=4.0km az=102.6.

ISC	**VIII**	**20 21 11 31.1–.51**	**37.85N–.03**	**21.33E–.03**	**7–7**		**85**	**0-2**	
ISCJB	VIII	20 21 11 30.4–.49	37.85N–.02	21.33E–.03	10				¶12100107
CSEM	VIII	20 21 11 30.6–.22	37.84N	21.35E	5	3.4			
ATH	VIII	20 21 11 30.7	37.87N	21.33E	14–2	3.4			
NEIC	VIII	20 21 11 30.7	37.87N	21.33E	14	3.4			
THE	VIII	20 21 11 31.2	37.85N	21.35E	10–2	2.3L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=41.1.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=42.0.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=155.0.

ISC	**VIII**	**21 21 18 01.8–.71**	**37.82N–.05**	**21.43E–.04**	**11–10**		**45**	**0-1**	
ISCJB	VIII	21 21 18 01.2–.73	37.81N–.05	21.44E–.04	5–12				¶13392286
THE	VIII	21 21 18 01.5	37.82N	21.44E	17–1	2.3L			
ATH	VIII	21 21 18 01.5	37.88N	21.41E	23–2	3.4			
CSEM	VIII	21 21 18 02.2–.23	37.90N	21.44E	20	3.4			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.8km az=166.7.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=173.0.
ATH Error ellipse: s-maj=1.8km s-min=4.4km az=-1.0.
CSEM Event type ke.

ISC	**VIII**	**22 04 32 30.2–.69**	**36.40N–.03**	**22.35E–.04**	**7–4**		**149**	**1-6**	
ISCJB	VIII	22 04 32 29.6–.66	36.40N–.03	22.36E–.04	6–4				¶12100147
NEIC	VIII	22 04 32 30.4	36.43N	22.38E	23	3.1L			
ATH	VIII	22 04 32 30.4	36.43N	22.38E	23–0	3.5,3.1L			
THE	VIII	22 04 32 30.0	36.41N	22.48E	0–2	3.1L,3.1L			
CSEM	VIII	22 04 32 30.0–.28	36.39N	22.28E	10–0	3.5,3.1L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.3km az=139.2.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.6km az=245.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.0km az=48.0.

ISC	**VIII**	**23 19 12 47.2–.41**	**37.87N–.02**	**21.31E–.02**	**1–2**	**3.7b**	**256**	**0-45**	
IDC	VIII	23 19 12 39.4–4.4	37.14N	20.89E	0	3.7L,3.6b			¶11908654
THE	VIII	23 19 12 47.2	37.85N	21.32E	0–2	3.7L,3.6b			
ISCJB	VIII	23 19 12 47.1–.30	37.85N–.02	21.32E–.02	10	3.6b,3.6b			
ATH	VIII	23 19 12 47.4	37.90N	21.36E	13–1	3.7L,3.6b			
NEIC	VIII	23 19 12 47.4	37.90N	21.36E	13	3.7L,3.6b			
CSEM	VIII	23 19 12 47.5–.22	37.86N	21.32E	8	3.7L,3.6b			

ISC Event type ke.
IDC Error ellipse: s-maj=73.4km s-min=34.9km az=28.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=249.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=44.7.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=45.0.

ISC	**VIII**	**23 20 11 25.5–.46**	**37.87N–.02**	**21.45E–.03**	**2–5**		**91**	**0-2**	
ISCJB	VIII	23 20 11 24.8–.44	37.87N–.02	21.44E–.03	10				¶13392417
CSEM	VIII	23 20 11 25.2–.27	37.91N	21.42E	15	2.9			
THE	VIII	23 20 11 25.6	37.89N	21.46E	8–2	2.6L			
ATH	VIII	23 20 11 25.1	37.88N	21.40E	12–1	2.9,2.4L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=155.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=77.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=6.0.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.

ISC	**VIII**	**24 12 58 05.8–.45**	**37.96N–.03**	**21.49E–.03**	**21–4**		**91**	**0-1**	
ISCJB	VIII	24 12 58 05.9–.41	37.97N–.03	21.49E–.03	25–3				¶12100207
NEIC	VIII	24 12 58 05.0	37.98N	21.51E	24	3.3			
ATH	VIII	24 12 58 05.0	37.98N	21.51E	24–1	3.3			
THE	VIII	24 12 58 05.4	37.91N	21.52E	16–1	1.9L			
CSEM	VIII	24 12 58 05.4–.20	37.97N	21.48E	20	3.3			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=168.9.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=352.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=139.0.

ISC	**VIII**	**24 14 10 17.9–1.1**	**36.73N–.05**	**21.41E–.06**	**17–4**		**94**	**0-7**	
THE	VIII	24 14 10 16.2	36.54N	21.54E	12–1	2.6L			¶12100210
ATH	VIII	24 14 10 17.3	36.76N	21.43E	29–0	3.6			
NEIC	VIII	24 14 10 17.3	36.76N	21.43E	29	3.6			
ISCJB	VIII	24 14 10 18.0–1.1	36.72N–.05	21.42E–.06	24–6	3.6			
CSEM	VIII	24 14 10 18.5–.20	36.78N	21.49E	15	3.6			

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.6km az=327.0.
ATH Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.5km az=139.7.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=49.0.

ISC	**VIII**	**25 10 46 19.4–1.2**	**37.58N–.04**	**21.93E–.10**	**59–12**		**44**	**0-1**	
ISCJB	VIII	25 10 46 19.2–1.2	37.59N–.04	21.94E–.09	60–12				¶13392557
ATH	VIII	25 10 46 19.0	37.60N	21.94E	54–3	2.9			
THE	VIII	25 10 46 19.9	37.60N	21.94E	55–2	2.2L			
CSEM	VIII	25 10 46 19.2–.14	37.58N	21.95E	60	2.2L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=6.7km az=168.9.
ATH Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.9km az=85.0.

ISC	**VIII**	**26 09 46 27.3–.25**	**36.12N–.02**	**21.77E–.02**	**39–3**	**4.4b,3.5s**	**781**	**1-121**	
BJI	VIII	26 09 46 21.1	35.66N	21.51E	25	4.9b,4.7b			¶13392641
MOS	VIII	26 09 46 23.7–1.3	36.10N	21.76E	24	4.6b,4.7b			
PDG	VIII	26 09 46 24.6–.15	36.00N	20.60E	19–11	5.1,5.0L			
ATH	VIII	26 09 46 25.0	36.13N	21.87E	25–1	4.4L,5.0L			
NEIC	VIII	26 09 46 25.0	36.13N	21.87E	25	4.4L,4.3b			
BEO	VIII	26 09 46 25.9–.82	36.21N	21.37E	0–0	4.9L,4.3b			
THE	VIII	26 09 46 26.0	36.16N	21.88E	5–2	4.4L,4.3b			
CSEM	VIII	26 09 46 26.9–.12	36.08N	21.78E	40	4.5b,3.1s			
IDC	VIII	26 09 46 26.4–4.1	36.15N	21.92E	28–29	4.2,4.1			
ISCJB	VIII	26 09 46 26.3–.30	36.17N–.02	21.75E–.02	50–3	4.4b,3.5s			
HLW	VIII	26 09 46 28.0	36.08N	22.44E	34–41	4.2L,3.5s			

ISC Event type ke.
MOS Error ellipse: s-maj=4.8km s-min=2.5km az=98.0.
PDG Event type ke. Error ellipse: s-maj=149.0km s-min=29.6km az=90.0.
ATH Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=236.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=41.0.
IDC Error ellipse: s-maj=14.3km s-min=11.1km az=177.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=31.3.

ISC	**VIII**	**28 11 38 31.9–1.3**	**37.79N–.08**	**21.31E–.04**	**12–15**		**35**	**0-1**	
ISCJB	VIII	28 11 38 31.5–1.3	37.78N–.07	21.32E–.04	6–9				¶13392825
CSEM	VIII	28 11 38 31.7–.36	37.78N	21.31E	10	3.0			
THE	VIII	28 11 38 32.9	37.83N	21.34E	2–19	2.3L			
ATH	VIII	28 11 38 32.0	37.82N	21.26E	4	3.0			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=5.5km az=176.3.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=3.0km az=177.0.
THE Event type ke. Error ellipse: s-maj=19.1km s-min=0.5km az=297.0.
ATH Error ellipse: s-maj=3.9km s-min=1.6km az=-1.0.

ISC	**VIII**	**28 22 28 53.7–.78**	**37.84N–.04**	**21.28E–.05**	**2–8**		**63**	**0-2**	
ISCJB	VIII	28 22 28 53.0–.74	37.81N–.04	21.30E–.05	10				¶12100332
ATH	VIII	28 22 28 53.4	37.89N	21.32E	18–3	3.2			
NEIC	VIII	28 22 28 53.4	37.89N	21.32E	18	3.2			
CSEM	VIII	28 22 28 53.4	37.89N	21.32E	18	3.2			
THE	VIII	28 22 28 54.6	37.86N	21.33E	0–5	2.1L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=5.1km az=12.7.
ATH Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
THE Event type ke. Error ellipse: s-maj=6.0km s-min=2.2km az=195.0.

ISC	**VIII**	**29 08 36 30.9–1.6**	**36.15N–.07**	**21.10E–.09**	**4–8**		**54**	**1-3**	
NEIC	VIII	29 08 36 33.0	36.18N	21.22E	18	3.5			¶12100343
ATH	VIII	29 08 36 33.0	36.18N	21.22E	18–1	3.5			
CSEM	VIII	29 08 36 34.8–.73	36.23N	21.34E	2	2.6L			
THE	VIII	29 08 36 35.5	36.17N	21.51E	0–6	2.6L			

ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=14.2km s-min=10.8km az=44.0.
THE Event type ke. Error ellipse: s-maj=11.3km s-min=2.7km az=235.0.

ISC	**VIII**	**30 06 27 25.5–.55**	**37.90N–.04**	**21.39E–.04**	**27–4**		**63**	**0-1**	
ATH	VIII	30 06 27 24.9	37.87N	21.43E	28–1	2.8			¶13392934
ISCJB	VIII	30 06 27 25.5–.53	37.91N–.04	21.39E–.04	27–4	2.8			
CSEM	VIII	30 06 27 25.5–.19	37.92N	21.40E	30	2.8			
THE	VIII	30 06 27 25.5	37.90N	21.41E	12–1	2.4L			

ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.7km az=176.6.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.3km az=162.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=352.0.

ISC	**VIII**	**30 16 49 22.7–.64**	**37.64N–.03**	**21.26E–.04**	**13–6**		**80**	**0-6**	
ISCJB	VIII	30 16 49 21.7–.70	37.64N–.03	21.26E–.05	3–8				¶12100381
CSEM	VIII	30 16 49 22.1–.46	37.63N	21.23E	2–0	3.5L			
NEIC	VIII	30 16 49 23.5	37.64N	21.30E	10	3.5L			
ATH	VIII	30 16 49 23.5	37.64N	21.30E	10–2	3.5L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=165.9.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=5.6km az=62.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0.

ISC	**IX**	**01 23 33 19.7–.53**	**37.91N–.04**	**21.42E–.03**	**18–4**		**85**	**0-6**	
ISCJB	IX	01 23 33 19.9–.44	37.92N–.03	21.42E–.03	21–4				¶12951804
CSEM	IX	01 23 33 19.5–.26	37.92N	21.39E	20	3.2			
ATH	IX	01 23 33 19.6	37.91N	21.43E	20–1	3.2			
NEIC	IX	01 23 33 19.6	37.91N	21.43E	20	3.2			
THE	IX	01 23 33 19.3	37.89N	21.45E	0–1	2.0L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=19.5.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.3km az=33.0.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=240.0.

ISC	**IX**	**02 00 40 42.8–.55**	**37.86N–.03**	**21.42E–.03**	**18–4**		**96**	**0-2**	
ATH	IX	02 00 40 42.6	37.89N	21.43E	25–1	3.2			¶12951859
NEIC	IX	02 00 40 42.6	37.89N	21.43E	25	3.2			
ISCJB	IX	02 00 40 43.0–.44	37.88N–.03	21.42E–.03	23–4	3.2			
CSEM	IX	02 00 40 43.0–.22	37.88N	21.41E	20	3.2			
THE	IX	02 00 40 43.1	37.88N	21.44E	17–1	2.6L			

ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=143.8.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=76.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=337.0.

ISC	**IX**	**02 04 08 01.8–.47**	**37.91N–.02**	**21.44E–.03**	**6–4**		**105**	**0-2**	
ISCJB	IX	02 04 08 01.1–.48	37.90N–.02	21.44E–.03	3–4				¶12951855
ATH	IX	02 04 08 01.2	37.91N	21.42E	21–1	3.2			
NEIC	IX	02 04 08 01.2	37.91N	21.42E	21	3.2			
CSEM	IX	02 04 08 01.5–.25	37.91N	21.42E	20–0	3.2			
THE	IX	02 04 08 01.6	37.90N	21.46E	6–3	2.5L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=4.4.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=5.1km az=23.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.7km az=2.0.

ISC	**IX**	**02 09 16 38.2–.57**	**37.88N–.04**	**22.97E–.05**	**26–5**		**34**	**0-1**	
ISCJB	IX	02 09 16 38.3–.59	37.87N–.04	22.97E–.05	26–5				¶13393203
ATH	IX	02 09 16 38.6	37.87N	22.95E	17–1	2.8			
CSEM	IX	02 09 16 38.1–.20	37.87N	22.98E	20–0	2.8			
THE	IX	02 09 16 39.3	37.86N	22.92E	10–5	2.0L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=6.0km az=151.2.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.9km az=24.0.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=0.8km az=50.0.

ISC	**IX**	**02 10 45 42.3–1.1**	**37.83N–.05**	**21.32E–.05**	**12–22**		**37**	**0-1**	
ATH	IX	02 10 45 39.3	37.99N	21.09E	19	3.0			¶14768989
ISCJB	IX	02 10 45 41.9–.92	37.85N–.05	21.32E–.04	10	3.0			
THE	IX	02 10 45 42.2	37.80N	21.35E	16–1	2.4L			
CSEM	IX	02 10 45 42.0–.39	37.80N	21.35E	15	2.4L			

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.0km az=10.8.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=1.1km az=181.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.6km az=2.0.

ISC	**IX**	**02 14 44 16.1–.59**	**37.87N–.05**	**21.44E–.04**	**29–5**		**44**	**0-1**	
ATH	IX	02 14 44 15.3	37.90N	21.44E	31–3	2.8			¶13393225
ISCJB	IX	02 14 44 16.1–.58	37.87N–.05	21.44E–.04	30–4	2.8			
CSEM	IX	02 14 44 16.1–.16	37.87N	21.44E	26–2	2.8			
THE	IX	02 14 44 16.5	37.88N	21.45E	15–2	1.7L			

ISC Event type ke.
ATH Error ellipse: s-maj=3.1km s-min=1.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.8km az=177.3.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=174.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.7km az=47.0.

ISC	**IX**	**04 01 55 29.8–.91**	**36.61N–.04**	**21.24E–.03**	**19–7**	**3.6b**	**198**	**0-46**	
IDC	IX	04 01 55 28.8–16	36.92N	21.88E	0	3.8,3.7b			¶11909424
ISCJB	IX	04 01 55 28.6–.71	36.59N–.03	21.16E–.03	26–6	3.6b,3.7b			
CSEM	IX	04 01 55 29.8–.21	36.62N	21.29E	15	3.7,3.7b			
THE	IX	04 01 55 30.2	36.55N	21.35E	18–3	3.3L,3.7b			
ATH	IX	04 01 55 30.7	36.69N	21.37E	32–2	3.7,3.7b			
NEIC	IX	04 01 55 31.4	36.71N	21.43E	34	3.1L,3.7b			

ISC Event type ke.
IDC Error ellipse: s-maj=316.2km s-min=47.9km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=31.0.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=2.2km az=189.0.
ATH Error ellipse: s-maj=2.1km s-min=3.0km az=-1.0.
NEIC Event type se. After ATH.

ISC	**IX**	**04 12 20 07.1–1.3**	**36.68N–.06**	**21.51E–.08**	**21–7**		**59**	**0-3**	
ATH	IX	04 12 20 04.1	36.65N	21.30E	26–3	3.2			¶13393410
ISCJB	IX	04 12 20 07.1–1.2	36.69N–.06	21.51E–.08	26–5	3.2			
CSEM	IX	04 12 20 07.1–.41	36.69N	21.48E	20	3.2			
THE	IX	04 12 20 08.2	36.72N	21.55E	19–1	3.2			

ISC Event type ke.
ATH Error ellipse: s-maj=3.8km s-min=5.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=10.1km az=13.4.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=6.5km az=35.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.4km az=141.0.

ISC	**IX**	**05 09 01 33.2–1.8**	**36.67N–.08**	**21.5E–.10**	**23–9**		**37**	**0-2**	
ATH	IX	05 09 01 26.0	36.76N	20.98E	22–1	3.1			¶13393477

ISCJB	IX	05 09 01 33.1–1.7	36.68N–.08	21.5E–.10	26–8	3.1		
CSEM	IX	05 09 01 33.5–.63	36.74N	21.58E	15	2.3L		
THE	IX	05 09 01 34.6	36.69N	21.60E	24–2	2.3L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=16.5km s-min=12.8km az=170.0.						
CSEM		Event type ke. Error ellipse: s-maj=13.8km s-min=10.3km az=62.0.						
THE		Event type ke. Error ellipse: s-maj=5.6km s-min=2.1km az=333.0.						
ISC	**IX**	**06 04 24 28.8–.60**	**36.17N–.03**	**23.34E–.05**	**54–13**		**111**	**0-11**
ATH	IX	06 04 24 26.9	36.15N	23.30E	62–2	3.0L		**¶13393554**
ISCJB	IX	06 04 24 28.0–.61	36.18N–.03	23.34E–.05	60–11	3.0L		
CSEM	IX	06 04 24 28.7–.17	36.18N	23.34E	45–4	3.0L		
THE	IX	06 04 24 29.2	36.21N	23.38E	30–5	2.9L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=7.5km s-min=3.5km az=140.1.						
CSEM		Event type ke. Error ellipse: s-maj=4.2km s-min=2.1km az=46.0.						
THE		Event type ke. Error ellipse: s-maj=5.2km s-min=1.0km az=219.0.						
ISC	**IX**	**06 12 33 41.5–.60**	**37.87N–.03**	**21.35E–.04**	**19–4**		**76**	**0-2**
ISCJB	IX	06 12 33 41.7–.46	37.88N–.03	21.35E–.03	24–4			**¶13393582**
THE	IX	06 12 33 41.6	37.87N	21.37E	0–3	2.7L		
ATH	IX	06 12 33 41.1	37.85N	21.36E	21–1	3.3		
CSEM	IX	06 12 33 41.3–.32	37.87N	21.36E	10–0	3.3		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=4.8km s-min=4.3km az=20.5.						
THE		Event type ke. Error ellipse: s-maj=3.7km s-min=1.1km az=236.0.						
ATH		Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=6.6km s-min=5.6km az=74.0.						
ISC	**IX**	**06 17 39 59.3–.45**	**36.80N–.02**	**22.77E–.03**	**9–3**	**3.6b**	**182**	**0-120**
HLW	IX	06 17 39 57.6	37.03N	22.73E	24–13	3.9,3.7L		**¶11909620**
IDC	IX	06 17 39 57.8–1.1	36.86N	23.02E	0	3.8b,3.8		
ISCJB	IX	06 17 39 58.8–.45	36.75N–.02	22.74E–.03	16–4	3.6b,3.8		
ATH	IX	06 17 39 58.5	36.81N	22.73E	25–1	3.5L,3.8		
NEIC	IX	06 17 39 59.5	36.75N	22.78E	5	3.2L,3.8		
THE	IX	06 17 39 59.6	36.81N	22.78E	6–1	3.3L,3.8		
CSEM	IX	06 17 39 59.6–.14	36.81N	22.80E	10	3.2L,3.8		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=24.6km s-min=17.6km az=175.0.						
ISCJB		Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=146.3.						
ATH		Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0.						
NEIC		Event type se. After ATH.						
THE		Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=238.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=59.0.						
ISC	**IX**	**08 20 04 11.9–1.3**	**36.06N–.05**	**21.51E–.06**	**2–7**		**108**	**1-10**
ATH	IX	08 20 04 08.1	35.91N	21.32E	5–3	3.4,3.3L		**¶12951940**
ISCJB	IX	08 20 04 11.5–1.2	36.06N–.05	21.48E–.06	8–6	3.4,3.3L		
THE	IX	08 20 04 12.5	36.15N	21.62E	0–5	2.9L,3.3L		
NEIC	IX	08 20 04 12.8	36.07N	21.55E	5	3.5L,3.3L		
CSEM	IX	08 20 04 12.3–.50	36.07N	21.55E	2	3.4,3.3L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=1.3km s-min=2.1km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=10.3km s-min=5.6km az=135.4.						
THE		Event type ke. Error ellipse: s-maj=10.9km s-min=1.3km az=243.0.						
NEIC		Event type se. After ATH.						
CSEM		Event type ke. Error ellipse: s-maj=11.8km s-min=6.0km az=44.0.						
ISC	**IX**	**09 08 58 25.8–.71**	**37.01N–.04**	**23.13E–.05**	**23–6**		**55**	**0-2**
ISCJB	IX	09 08 58 25.7–.68	37.01N–.04	23.13E–.05	24–5			**¶13393860**
ATH	IX	09 08 58 25.1	37.03N	23.08E	27–1	2.4L		
CSEM	IX	09 08 58 25.5–.33	37.04N	23.14E	20	2.4L		
THE	IX	09 08 58 27.3	37.13N	23.10E	10–4	2.8L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=7.5km s-min=5.4km az=38.8.						
ATH		Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=7.9km s-min=4.6km az=131.0.						
THE		Event type ke. Error ellipse: s-maj=4.4km s-min=0.8km az=347.0.						
ISC	**IX**	**11 01 52 33.3–.48**	**37.91N–.03**	**21.47E–.03**	**13–3**		**68**	**0-2**
ISCJB	IX	11 01 52 33.4–.52	37.93N–.03	21.44E–.04	16–4			**¶13394040**
ATH	IX	11 01 52 33.3	37.94N	21.47E	22–1	3.0		
CSEM	IX	11 01 52 33.4–.21	37.93N	21.47E	19–0	3.0		
THE	IX	11 01 52 33.3	37.94N	21.47E	18–0	2.2L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.0km s-min=4.7km az=21.7.						
ATH		Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=109.0.						
THE		Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=345.0.						
ISC	**IX**	**11 14 44 46.2–.60**	**37.85N–.04**	**22.95E–.05**	**25–7**		**31**	**0-1**
ISCJB	IX	11 14 44 46.2–.64	37.85N–.04	22.95E–.05	25–7			**¶13394094**
ATH	IX	11 14 44 46.3	37.85N	22.93E	18–4	2.9,1.9L		
THE	IX	11 14 44 46.5	37.84N	22.91E	18–0	1.5L,1.9L		
CSEM	IX	11 14 44 46.0–.15	37.85N	22.94E	20	2.9,1.9L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.9km s-min=5.8km az=135.6.						
ATH		Error ellipse: s-maj=1.3km s-min=1.0km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=69.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=28.0.						
ISC	**IX**	**12 13 53 36.3–.64**	**37.84N–.03**	**21.40E–.03**	**18–4**		**71**	**0-1**
ATH	IX	12 13 53 35.8	37.85N	21.43E	23–1	2.9		**¶13394183**
ISCJB	IX	12 13 53 36.6–.50	37.86N–.03	21.41E–.03	27–4	2.9		
CSEM	IX	12 13 53 36.7–.31	37.87N	21.43E	19–1	2.9		
THE	IX	12 13 53 36.7	37.87N	21.43E	0–1	2.1L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=5.0.						
CSEM		Event type ke. Error ellipse: s-maj=6.6km s-min=5.6km az=8.0.						
THE		Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=210.0.						
ISC	**IX**	**13 00 57 38.0–.53**	**37.88N–.03**	**21.41E–.03**	**18–4**		**79**	**0-2**
ATH	IX	13 00 57 37.5	37.88N	21.43E	22–2	2.8		**¶13394222**
ISCJB	IX	13 00 57 38.2–.47	37.88N–.03	21.40E–.03	19–5	2.8		
CSEM	IX	13 00 57 38.1–.22	37.90N	21.41E	20	2.8		
THE	IX	13 00 57 38.0	37.87N	21.45E	0–1	1.9L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=12.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.6km s-min=4.3km az=30.0.						
THE		Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=220.0.						
ISC	**IX**	**14 20 03 26.7–.88**	**36.36N–.04**	**22.01E–.07**	**10**		**73**	**1-7**
ATH	IX	14 20 03 24.3	36.27N	21.58E	34–4	3.5		**¶12952033**
ISCJB	IX	14 20 03 26.0–.88	36.36N–.04	21.97E–.07	10	3.5		
CSEM	IX	14 20 03 26.3–.64	36.38N	21.87E	10	2.4L		
THE	IX	14 20 03 28.6	36.38N	22.01E	24–3	2.4L		
NEIC	IX	14 20 03 36.4	36.86N	22.32E	13	2.7L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=2.9km s-min=3.3km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=7.9km s-min=5.5km az=157.9.						
CSEM		Event type ke. Error ellipse: s-maj=14.4km s-min=9.3km az=64.0.						
THE		Event type ke. Error ellipse: s-maj=4.8km s-min=1.9km az=245.0.						
NEIC		Event type se. After ATH.						
ISC	**IX**	**16 02 58 39.6–.16**	**36.69N–.02**	**24.01E–.02**	**142–1**	**4.3b**	**853**	**1-119**
BJI	IX	16 02 58 36.3	36.95N	23.85E	130	4.8b,4.8b		**¶13394419**
PDG	IX	16 02 58 37.9–.18	36.75N	23.68E	150–36	4.7L,4.8b		
ISCJB	IX	16 02 58 38.6–.16	36.69N–.02	24.01E–.02	148–1	4.3b,4.8b		
IDC	IX	16 02 58 38.9–1.7	36.75N	24.10E	131–16	4.0,4.0		
MOS	IX	16 02 58 38.9–1.0	36.73N	23.99E	147	4.5b,4.0		
NEIC	IX	16 02 58 39.8	36.69N	24.03E	137	4.5b,4.0		
CSEM	IX	16 02 58 39.4–.10	36.71N	24.01E	142–1	4.6b,3.5W		
ATH	IX	16 02 58 39.8	36.69N	24.03E	137–2	4.5L,3.5W		
THE	IX	16 02 58 40.7	36.73N	23.99E	140–2	4.5L,3.5W		
SZGRF	IX	16 02 58 40.1	37.36N	23.38E	33	4.1b,3.5W		
NIC	IX	16 02 58 44.6–.10	36.32N	24.80E	130	4.8b,4.3L		
ISC		Event type ke.						
PDG		Event type ke. Error ellipse: s-maj=4.3km s-min=7.0km az=0.0.						
ISCJB		Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=34.3.						
IDC		Error ellipse: s-maj=10.3km s-min=9.6km az=151.0.						
MOS		Error ellipse: s-maj=5.8km s-min=2.8km az=101.8.						
NEIC		Event type se. After ATH.						
CSEM		Event type ke. Error ellipse: s-maj=4.0km s-min=2.4km az=37.0.						
ATH		Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=213.0.						
SZGRF		Southern Greece.						
NIC		Moment Tensor Solution. $M_0$1.60000×10^{14}						
ATH	**IX**	**16 15 27 52.1**	**36.53N**	**21.87E**	**20–1**	**3.5**		
CSEM	IX	16 15 27 52.1	36.53N	21.87E	20	3.5		**¶13394454**
ATH		Error ellipse: s-maj=1.8km s-min=1.7km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ATH	**IX**	**17 06 07 14.9**	**36.41N**	**22.02E**	**2**	**3.5**		
CSEM	IX	17 06 07 14.9	36.41N	22.02E	2	3.5		**¶13394500**
ATH		Error ellipse: s-maj=1.9km s-min=1.5km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ISC	**IX**	**18 07 02 56.0–.42**	**37.04N–.02**	**23.70E–.02**	**10–2**	**4.1b,3.1s**	**328**	**1-120**
IDC	IX	18 07 02 53.4–.62	37.09N	23.59E	0	4.2,4.1		**¶13394578**
CSEM	IX	18 07 02 55.9–.16	37.07N	23.71E	10	4.4b,2.7s		
ISCJB	IX	18 07 02 55.0–.41	37.04N–.02	23.72E–.02	13–2	4.1b,3.1s		
THE	IX	18 07 02 55.5	37.01N	23.71E	0–1	3.9L,3.1s		
ATH	IX	18 07 02 56.0	37.11N	23.72E	26–0	4.0L,3.1s		
NEIC	IX	18 07 02 57.5	37.12N	23.69E	5	4.2L,4.1b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=14.8km s-min=14.6km az=51.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.3km s-min=4.1km az=26.0.						
ISCJB		Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=18.4.						
THE		Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=169.0.						
ATH		Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.						
NEIC		Event type se. After ATH.						
ISC	**IX**	**18 13 24 42.2–.53**	**37.07N–.02**	**23.74E–.04**	**10–3**		**82**	**1-2**
ISCJB	IX	18 13 24 41.3–.59	37.07N–.02	23.74E–.03	4–4			**¶12952083**
CSEM	IX	18 13 24 42.9–.18	37.10N	23.75E	15	3.5		
THE	IX	18 13 24 42.8	37.11N	23.73E	8–1	2.5L		
ATH	IX	18 13 24 42.2	37.09N	23.70E	23–0	3.5		
NEIC	IX	18 13 24 46.6	37.23N	23.49E	5	2.8L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=144.8.						
CSEM		Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=64.0.						
THE		Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=2.0.						
ATH		Error ellipse: s-maj=0.6km s-min=1.2km az=-1.0.						
NEIC		Event type se. After ATH.						
ISC	**IX**	**19 17 41 44.3–.63**	**37.92N–.04**	**21.44E–.03**	**17–4**		**60**	**0-2**
ATH	IX	19 17 41 43.9	37.95N	21.45E	23–1	3.2		**¶13394717**
CSEM	IX	19 17 41 43.9–.23	37.89N	21.44E	20–0	3.2		
THE	IX	19 17 41 43.9	37.90N	21.45E	14–0	2.2L		
ISCJB	IX	19 17 41 44.3–.65	37.90N–.04	21.43E–.04	16–7	2.2L		
ISC		Event type ke.						
CSEM		Event type ke.						
THE		Event type ke.						
ISCJB		Event type ke.						
ISC	**IX**	**19 18 17 13.3–.70**	**37.98N–.04**	**21.50E–.04**	**17–5**		**53**	**0-1**
ISCJB	IX	19 18 17 13.9–.67	37.99N–.04	21.50E–.05	15–7			**¶13394721**
THE	IX	19 18 17 13.6	37.99N	21.51E	22–2	2.0L		
ATH	IX	19 18 17 13.9	38.00N	21.50E	17–0	3.0		
CSEM	IX	19 18 17 13.3–.20	37.99N	21.49E	20	3.0		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=7.3km s-min=6.1km az=147.5.						
THE		Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=72.0.						
ATH		Error ellipse: s-maj=0.7km s-min=0.5km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=161.0.						
ISC	**IX**	**20 01 34 08.1–.48**	**37.87N–.02**	**21.44E–.03**	**4–7**		**84**	**0-2**
ISCJB	IX	20 01 34 07.5–.45	37.88N–.02	21.43E–.03	10			**¶13394753**
CSEM	IX	20 01 34 07.8–.21	37.88N	21.44E	10	2.8		
THE	IX	20 01 34 07.9	37.88N	21.45E	0–1	1.8L		
ATH	IX	20 01 34 08.1	37.89N	21.44E	11–3	2.8		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=3.5km s-min=3.0km az=26.3.						
CSEM		Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=42.0.						
THE		Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=236.0.						
ATH		Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0.						
ATH	**IX**	**20 16 22 03.5**	**36.17N**	**21.87E**	**11–2**	**3.6**		
CSEM	IX	20 16 22 03.5	36.17N	21.87E	11	3.6		**¶13394788**
ATH		Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ISC	**IX**	**20 21 54 39.1–1.3**	**36.34N–.04**	**21.42E–.06**	**9–7**		**88**	**1-4**
ATH	IX	20 21 54 38.0	36.34N	21.37E	26–3	3.9		**¶13394814**
ISCJB	IX	20 21 54 39.1–1.4	36.31N–.05	21.38E–.06	19–10	3.9		
THE	IX	20 21 54 40.5	36.38N	21.50E	10–2	3.0L		
CSEM	IX	20 21 54 40.2–.39	36.40N	21.54E	10–0	3.0L		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=2.6km s-min=3.1km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=10.0km s-min=6.2km az=142.1.						
THE		Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=48.0.						
CSEM		Event type ke. Error ellipse: s-maj=9.1km s-min=4.4km az=49.0.						
ATH	**IX**	**21 04 29 22.4**	**36.36N**	**21.70E**	**37–5**	**3.6**		
CSEM	IX	21 04 29 22.0	36.35N	21.66E	38	3.6		**¶13394832**
ATH		Error ellipse: s-maj=3.0km s-min=3.9km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ISC	**IX**	**25 20 53 49.1–.86**	**37.84N–.06**	**21.39E–.05**	**20–8**		**36**	**0-1**
THE	IX	25 20 53 47.8	37.75N	21.44E	15–2	2.0L		**¶13395205**
CSEM	IX	25 20 53 48.6–.54	37.81N	21.43E	0–2	2.9		
ISCJB	IX	25 20 53 49.2–.80	37.84N–.06	21.39E–.05	22–8	2.9		
ATH	IX	25 20 53 49.1	37.85N	21.37E	16–6	2.9		
ISC		Event type ke.						
THE		Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=333.0.						
CSEM		Event type ke. Error ellipse: s-maj=11.1km s-min=8.2km az=48.0.						
ISCJB		Event type ke. Error ellipse: s-maj=9.5km s-min=6.4km az=0.5.						
ATH		Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0.						
ISC	**IX**	**28 03 31 25.2–.36**	**37.96N–.02**	**21.53E–.02**	**12–3**		**106**	**0-2**
ISCJB	IX	28 03 31 24.5–.37	37.95N–.02	21.52E–.02	7–3			**¶13395371**
ATH	IX	28 03 31 24.0	37.99N	21.48E	26–0	3.5		
CSEM	IX	28 03 31 25.2–.20	37.96N	21.52E	20	3.5		
THE	IX	28 03 31 25.0	37.97N	21.54E	0–1	3.0L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=151.0.						
ATH		Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.3km s-min=4.1km az=72.0.						
THE		Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=235.0.						
ISC	**IX**	**28 21 43 48.7–.41**	**36.77N–.02**	**22.80E–.02**	**9–3**	**4.1b**	**386**	**0-120**
IDC	IX	28 21 43 45.9–.65	36.86N	22.97E	0	4.1b,4.0		**¶13395406**
ISCJB	IX	28 21 43 47.7–.39	36.73N–.02	22.75E–.02	13–2	4.1b,4.0		
ATH	IX	28 21 43 47.6	36.79N	22.79E	18–0	3.7L,3.6		
NEIC	IX	28 21 43 47.6	36.79N	22.79E	18	4.0L,3.9b		
THE	IX	28 21 43 48.6	36.80N	22.84E	2–1	3.7L,3.9b		
CSEM	IX	28 21 43 49.2–.12	36.76N	22.81E	15	4.7b,2.8s		
HLW	IX	28 21 43 55.2	36.50N	23.61E	14–31	3.8,3.7L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=16.1km s-min=14.4km az=127.0.						
ISCJB		Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=27.9.						
ATH		Error ellipse: s-maj=0.6km s-min=0.4km az=-1.0.						
NEIC		Event type se. After ATH.						
THE		Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=240.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=42.0.						
ATH	**IX**	**28 22 26 59.4**	**36.40N**	**22.90E**	**19–7**	**3.0**		
CSEM	IX	28 22 26 59.4	36.40N	22.90E	19	3.0		**¶13395410**
ATH		Error ellipse: s-maj=3.9km s-min=3.4km az=-1.0.						
CSEM		Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ISC	**IX**	**29 05 17 12.4–1.5**	**36.05N–.05**	**21.56E–.07**	**4–8**		**64**	**1-7**
ATH	IX	29 05 17 11.7	36.04N	21.60E	5–4	3.7		**¶13395438**

ISCJB IX 29 05 17 13.3–.90 36.09N–.04 21.59E–.06 10 3.7
THE IX 29 05 17 13.9 36.12N 21.51E 0–6 3.2L
CSEM IX 29 05 17 14.4–.73 36.12N 21.61E 2 3.2L
ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.1km az=167.3.
THE Event type ke. Error ellipse: s-maj=12.2km s-min=1.9km az=258.0.
CSEM Event type ke. Error ellipse: s-maj=16.8km s-min=10.1km az=68.0.
ISC X 01 02 55 36.5–.58 36.96N–.03 21.67E–.05 10 101 0-7
CSEM X 01 02 55 34.9–.38 36.97N 21.58E 0–0 3.5 ¶13395576
ATH X 01 02 55 35.2 36.96N 21.67E 9–1 3.5
THE X 01 02 55 35.5 36.99N 21.67E 0–1 2.8L
ISCJB X 01 02 55 36.0–.57 36.95N–.03 21.69E–.04 10 2.8L
ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.
ISC X 02 00 55 15.7–.19 36.04N–.01 21.36E–.02 37–3 4.3b,3.6s 991 1-97
BJI X 02 00 55 07.5 35.90N 21.20E 10 4.7b,4.4s ¶11330074
HLW X 02 00 55 08.0 36.55N 21.31E 33–43 4.0,4.0L
IDC X 02 00 55 11.2–.55 36.16N 21.53E 0 4.3b,4.3
ATH X 02 00 55 12.9 36.01N 21.33E 23–1 4.3,4.3L
NEIC X 02 00 55 12.8 36.01N 21.33E 23 4.3L,4.2b
THE X 02 00 55 13.2 36.03N 21.34E 3–1 4.1L,4.2b
PDG X 02 00 55 13.1–.10 36.09N 20.13E 11–11 4.5L,4.2b
ISCJB X 02 00 55 13.6–.23 36.01N–.02 21.34E–.02 43–3 4.3b,3.6s
TEH X 02 00 55 14.2 36.05N 21.33E 80 4.3b,3.6s
CSEM X 02 00 55 15.5–.10 36.05N 21.32E 40 4.4b,3.1s
MOS X 02 00 55 15.6–.91 36.19N 21.43E 47 4.5b,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=13.2km s-min=11.6km az=166.0.
ATH Error ellipse: s-maj=1.5km s-min=2.4km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=234.0.
PDG Event type ke. Error ellipse: s-maj=107.4km s-min=14.0km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=35.2.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=41.0.
MOS Error ellipse: s-maj=5.1km s-min=2.7km az=94.2.
ISC X 03 12 45 36.2–.42 37.83N–.02 21.31E–.02 1–2 3.9b 246 0-45
ISCJB X 03 12 45 35.9–.44 37.86N–.02 21.30E–.02 1–3 4.0b ¶13395880
ATH X 03 12 45 35.8 37.89N 21.32E 9–0 3.6L
CSEM X 03 12 45 36.4–.17 37.84N 21.33E 1–0 3.6L
NEIC X 03 12 45 37.1 37.86N 21.33E 0 3.7L
THE X 03 12 45 37.1 37.86N 21.33E 0–2 3.7L
IDC X 03 12 45 46.6–2.6 38.21N 21.43E 87–39 3.7b,3.7
BEO X 03 12 46 02.4 39.84N 21.15E 0–0 3.2L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=41.7.
ATH Error ellipse: s-maj=0.4km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=46.0.
NEIC Event type se. After THE.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=239.0.
IDC Error ellipse: s-maj=47.6km s-min=18.3km az=4.0.
ISC X 03 13 42 25.3–.47 37.85N–.02 21.33E–.03 1–4 117 0-2
ISCJB X 03 13 42 25.7–.42 37.86N–.02 21.30E–.03 10 ¶13395882
CSEM X 03 13 42 25.4–.26 37.87N 21.33E 8 2.8L
THE X 03 13 42 25.3 37.85N 21.32E 2–1 2.9L
ATH X 03 13 42 25.1 37.89N 21.33E 9–0 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=135.2.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=53.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=140.0.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
ISC X 04 07 10 41.6–.56 37.09N–.02 23.73E–.03 10–5 72 1-2
ISCJB X 04 07 10 40.9–.68 37.10N–.02 23.74E–.03 0–6 ¶13395943
ATH X 04 07 10 40.5 37.12N 23.78E 3–2 3.2
THE X 04 07 10 41.2 37.10N 23.71E 3–1 3.2
CSEM X 04 07 10 41.3–.21 37.09N 23.73E 10 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.0km az=167.0.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=247.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=75.0.
ISC X 06 19 12 35.0–.91 37.98N–.05 21.54E–.05 18–6 31 0-1
ISCJB X 06 19 12 34.4–.79 38.03N–.04 21.62E–.06 17–8 ¶13396247
ATH X 06 19 12 34.6 38.00N 21.57E 26–2 3.0
CSEM X 06 19 12 35.1–.30 38.00N 21.51E 20 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=7.4km az=176.8.
ATH Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.9km az=12.0.
ISC X 07 23 24 55.5–.18 36.27N–.02 22.62E–.02 61–2 4.3b 880 0-120
IDC X 07 23 24 48.4–.67 36.30N 22.83E 0 4.2b,4.2L ¶13396348
BJI X 07 23 24 52.3 36.30N 22.50E 60 4.8b,4.2L
MOS X 07 23 24 53.9–1.3 36.36N 22.71E 52 4.5b,4.2L
ISCJB X 07 23 24 54.0–.22 36.28N–.02 22.61E–.02 69–2 4.2b,4.2L
PDG X 07 23 24 54.9–.16 36.34N 21.53E 15–11 4.5L,4.2L
CSEM X 07 23 24 55.1–.11 36.25N 22.64E 60 4.6b,4.2L
ATH X 07 23 24 57.4 36.40N 22.89E 58–2 4.1L,4.2L
NEIC X 07 23 24 57.3 36.40N 22.88E 59 4.1b,4.2L
THE X 07 23 24 57.6 36.40N 22.79E 59–3 4.3L,4.2L
HLW X 07 23 25 01.5 35.99N 23.61E 33–41 4.1L,4.1
VIE X 07 23 25 05.3–.45 37.22N 22.53E 100–0 3.9s,3.7b
SOF X 07 23 26 07.5 41.74N 24.03E 7 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=15.3km s-min=12.9km az=27.0.
MOS Error ellipse: s-maj=6.2km s-min=3.3km az=112.7.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=22.8.
PDG Event type ke. Error ellipse: s-maj=144.1km s-min=50.1km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=41.0.
ATH Error ellipse: s-maj=1.0km s-min=1.8km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.1km az=50.0.
VIE Error ellipse: s-maj=6.5km s-min=3.0km az=42.0. 131 km SW of Piraeus .
ISC X 08 06 32 31.3–.73 37.88N–.03 21.29E–.05 8–6 47 0-2
ISCJB X 08 06 32 31.0–.91 37.87N–.04 21.30E–.05 2–8 ¶13396367
CSEM X 08 06 32 31.1–.30 37.85N 21.33E 10 2.3L
THE X 08 06 32 31.9 37.91N 21.35E 16–1 2.3L
ATH X 08 06 32 31.1 37.86N 21.30E 5–3 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.2km az=160.3.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.4km az=95.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=307.0.
ATH Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0.
ISC X 08 08 49 52.9–.18 37.45N–.02 24.33E–.02 167–2 3.9b 387 1-119
ISCJB X 08 08 49 52.0–.18 37.45N–.02 24.33E–.02 171–2 3.9b ¶11389305
ATH X 08 08 49 52.5 37.44N 24.31E 168–1 3.2L
HLW X 08 08 49 52.3 37.46N 24.82E 33–43 4.4,4.1L
CSEM X 08 08 49 52.5–.07 37.44N 24.34E 169–1 3.7L,4.1L
IDC X 08 08 49 53.9–1.5 37.59N 24.43E 166–16 3.7b,3.6
NEIC X 08 08 49 53.4 37.48N 24.35E 166 3.6,3.6
THE X 08 08 49 54.1 37.44N 24.30E 165–2 3.7L,3.6
PDG X 08 08 49 55.7–1.4 37.51N 23.92E 38–16 4.1L,3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=137.9.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.7km az=51.0.
IDC Error ellipse: s-maj=16.2km s-min=12.4km az=9.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=242.0.
PDG Event type ke. Error ellipse: s-maj=2.0km s-min=2.7km az=0.0.

THE X 09 22 16 39.9 38.00N 23.77E 2–12
CSEM X 09 22 16 39.9 38.00N 23.77E 2 ¶13566724
THE Event type ke. Error ellipse: s-maj=12.6km s-min=0.3km az=301.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC X 10 20 43 17.8–.75 37.86N–.04 22.57E–.05 18–6 31 0-1
ATH X 10 20 43 10.1 38.58N 22.45E 2 2.7 ¶13396601
ISCJB X 10 20 43 17.8–.91 37.86N–.04 22.58E–.05 13–6 2.7
CSEM X 10 20 43 17.6–.16 37.86N 22.58E 15 1.6L
THE X 10 20 43 18.0 37.86N 22.56E 16–1 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=6.2km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=3.0km az=137.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=248.0.
ATH X 12 23 03 27.9 37.01N 21.04E 21 3.3
¶13396861
ATH X 13 01 28 59.9 36.17N 21.10E 5–3 3.6
CSEM X 13 01 28 59.9 36.17N 21.10E 5 3.6 ¶13396876
ATH Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC X 13 19 27 56.3–.55 38.00N–.03 21.51E–.04 14–3 66 0-2
ATH X 13 19 27 55.9 38.03N 21.48E 19–0 3.1 ¶13396949
ISCJB X 13 19 27 56.6–.49 38.01N–.03 21.52E–.04 17–4 3.1
CSEM X 13 19 27 56.7–.28 38.02N 21.51E 20 2.3L
THE X 13 19 27 56.8 38.04N 21.57E 19–1 2.3L
ISC Event type ke.
ATH Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=7.7.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.4km az=107.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=298.0.
ATH X 14 21 46 56.6 37.74N 23.23E 16–4 1.7L
CSEM X 14 21 46 56.6 37.74N 23.23E 16 1.7L ¶13397094
ATH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH X 23 02 07 23.6 37.87N 21.43E 19–2 3.1
CSEM X 23 02 07 23.6 37.87N 21.43E 19 3.1 ¶13397850
ATH Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH X 26 01 13 28.0 36.20N 23.55E 26–5 3.0
CSEM X 26 01 13 28.0 36.20N 23.55E 26 3.0 ¶13398074
ATH Error ellipse: s-maj=4.9km s-min=6.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
THE X 27 23 40 26.2 37.83N 23.21E 14–2 1.1L
CSEM X 27 23 40 26.2 37.83N 23.21E 14 1.1L ¶15076305
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC X 28 16 17 28.3–.78 36.77N–.03 23.58E–.04 8–5 60 1-2
ISCJB X 28 16 17 27.5–.84 36.77N–.03 23.58E–.04 1–6 ¶13398390
CSEM X 28 16 17 27.4–.26 36.74N 23.60E 8 2.1L
ATH X 28 16 17 28.2 36.80N 23.58E 20–2 3.3
THE X 28 16 17 28.0 36.75N 23.57E 6–1 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=5.1km az=36.6.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=128.0.
ATH Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=278.0.
ISC X 30 12 08 53.3–1.0 37.79N–.05 21.35E–.05 18–5 42 0-2
THE X 30 12 08 52.9 37.76N 21.35E 2–39 2.3L ¶13398638
ISCJB X 30 12 08 53.8–.85 37.81N–.05 21.34E–.05 23–7 2.3L
CSEM X 30 12 08 53.4–.18 37.83N 21.36E 20 2.9
ATH X 30 12 08 54.0 37.82N 21.37E 17–5 2.9
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=39.7km s-min=1.1km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.1km az=10.8.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=12.0.
ATH Error ellipse: s-maj=2.3km s-min=1.7km az=-1.0.
ISC XI 01 23 10 38.6–1.5 36.74N–.06 21.27E–.08 5–6 42 0-2
CSEM XI 01 23 10 38.5–.60 36.75N 21.27E 2 2.2L ¶13398961
ATH XI 01 23 10 38.3 36.74N 21.27E 14–2 3.7
THE XI 01 23 10 40.7 36.84N 21.32E 12–1 2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=6.8km az=50.0.
ATH Error ellipse: s-maj=1.9km s-min=2.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.7km az=122.0.
ATH XI 04 05 53 02.8 37.10N 23.01E 10–6 2.2L
CSEM XI 04 05 53 02.3–.09 37.10N 23.02E 10 2.2L ¶13399181
THE XI 04 05 53 02.5 37.11N 23.02E 4–18 1.8L
ATH Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=100.0.
THE Event type ke. Error ellipse: s-maj=18.1km s-min=0.8km az=110.0.
ISC XI 04 12 05 43.8–.22 36.15N–.02 23.29E–.02 73–2 4.3b 621 0-94
MOS XI 04 12 05 37.3–1.6 35.88N 23.43E 33 4.5b ¶13399199
ISCJB XI 04 12 05 43.0–.25 36.19N–.02 23.30E–.02 81–2 4.3b
IDC XI 04 12 05 42.4–2.5 36.22N 23.45E 55–24 4.3L,4.1
DDA XI 04 12 05 43.9 36.60N 23.51E 7–0 3.8,4.1
PDG XI 04 12 05 43.8–.23 36.16N 22.75E 88–5 4.6L,4.1
ATH XI 04 12 05 43.5 36.19N 23.35E 68–2 4.3L,4.1
NEIC XI 04 12 05 43.5 36.19N 23.35E 68 4.3b,4.3
CSEM XI 04 12 05 44.0–.16 36.16N 23.28E 74–1 4.4b,2.5s
BEO XI 04 12 05 44.0–3.4 36.10N 22.85E 44–3 4.1L,2.5s
THE XI 04 12 05 45.4 36.22N 23.39E 57–3 4.1L,2.5s
HLW XI 04 12 05 48.2 35.79N 24.01E 33–29 4.3,4.0L
ISC Event type ke.
MOS Error ellipse: s-maj=8.7km s-min=4.5km az=99.1.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=31.4.
IDC Error ellipse: s-maj=18.3km s-min=13.9km az=148.0.
PDG Event type ke. Error ellipse: s-maj=3.6km s-min=9.6km az=0.0.
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=30.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=227.0.
ATH XI 05 13 24 15.1 36.78N 22.98E 9–4 2.6
CSEM XI 05 13 24 14.8–.23 36.79N 22.94E 8 2.6 ¶13399315
THE XI 05 13 24 14.8 36.79N 22.88E 0–9 1.0L
ATH Error ellipse: s-maj=2.3km s-min=3.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=4.4km az=97.0.
THE Event type ke. Error ellipse: s-maj=13.3km s-min=1.2km az=264.0.
ISC XI 07 00 26 38.6–1.5 36.23N–.06 21.47E–.08 16–7 59 1-10
ISCJB XI 07 00 26 38.1–1.6 36.20N–.07 21.38E–.08 26–10 ¶13399457
CSEM XI 07 00 26 38.4–.61 36.28N 21.51E 10 2.4L
ATH XI 07 00 26 39.1 36.28N 21.48E 34–3 3.3
THE XI 07 00 26 40.1 36.30N 21.57E 12–4 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=9.4km az=43.9.
CSEM Event type ke. Error ellipse: s-maj=13.5km s-min=7.4km az=49.0.
ATH Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=8.1km s-min=3.1km az=247.0.
ISC XI 07 04 48 18.3–1.7 36.28N–.10 21.2E–.10 26–15 39 1-7
CSEM XI 07 04 48 18.8–.87 36.27N 21.32E 20–0 2.4L ¶13399470
ATH XI 07 04 48 18.6 36.22N 21.48E 29–3 3.5
THE XI 07 04 48 21.4 36.36N 21.47E 21–3 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=20.7km s-min=10.4km az=77.0.
ATH Error ellipse: s-maj=4.0km s-min=5.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=7.9km s-min=2.2km az=256.0.
ISC XI 11 06 04 52.3–.30 36.10N–.02 21.87E–.03 10 4.0b,2.9s 390 1-121
IDC XI 11 06 04 49.1–.72 36.06N 22.13E 0 4.0,3.9b ¶12073142
NEIC XI 11 06 04 49.8 36.11N 21.85E 2 3.9b,3.9b
ATH XI 11 06 04 49.9 36.11N 21.85E 2–1 3.9L,3.9b
CSEM XI 11 06 04 50.9–.18 36.10N 21.85E 2 4.0b,3.9b
ISCJB XI 11 06 04 50.7–.30 36.08N–.02 21.82E–.03 10 4.0b,2.9s
THE XI 11 06 04 52.8 36.20N 21.97E 0–1 3.8L,2.9s

MOS XI 11 06 04 53.3–2.8 36.06N 22.05E 29 4.3b,2.9s
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=13.9km az=141.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=152.6.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=213.0.
MOS Error ellipse: s-maj=9.2km s-min=5.7km az=88.7.
ISC XI 14 23 17 13.1–.67 37.98N–.06 21.46E–.05 26–5 39 0-1
ATH XI 14 23 17 12.8 37.94N 21.45E 23–0 3.2 **¶13400210**
ISCJB XI 14 23 17 13.1–.65 37.98N–.05 21.46E–.05 26–4 3.2
CSEM XI 14 23 17 13.0–.26 37.97N 21.46E 23–3 3.2
THE XI 14 23 17 13.5 37.96N 21.50E 0–5 2.0L
ISC Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.7km az=174.6.
CSEM Event type ke.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=1.1km az=275.0.
ISC XI 14 23 21 45.1–.39 37.98N–.03 21.48E–.03 23–4 62 0-1
CSEM XI 14 23 21 44.9–.16 37.98N 21.48E 20 3.2 **¶13400211**
ATH XI 14 23 21 44.5 37.97N 21.48E 25–2 3.2
ISCJB XI 14 23 21 45.1–.38 37.98N–.03 21.49E–.03 25–4 3.2
THE XI 14 23 21 45.0 37.94N 21.49E 3–2 2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=23.0.
ATH Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=16.1.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.3km az=345.0.
ISC XI 15 21 24 35.7–.34 37.97N–.02 21.62E–.03 12–2 3.4b 146 0-45
IDC XI 15 21 24 33.2–1.4 38.13N 21.67E 0 3.7,3.6b **¶12073665**
ISCJB XI 15 21 24 34.4–.41 37.95N–.02 21.57E–.03 9–3 3.4b,3.6b
CSEM XI 15 21 24 35.5–.18 37.96N 21.63E 10 3.5L,3.6b
ATH XI 15 21 24 35.0 37.99N 21.59E 22–1 3.3L,3.6b
THE XI 15 21 24 35.8 37.98N 21.65E 0–3 3.5L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=38.2km s-min=25.5km az=129.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=169.2.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=47.0.
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.1km az=267.0.
ISC XI 15 21 25 25.8–.39 37.98N–.02 21.61E–.03 11–3 3.6b 120 0-45
IDC XI 15 21 25 23.2–1.3 38.09N 21.60E 0 3.7b,3.6 **¶12073666**
ISCJB XI 15 21 25 25.1–.41 37.97N–.02 21.60E–.03 7–3 3.6b,3.6
CSEM XI 15 21 25 25.6–.17 37.98N 21.62E 10–0 3.5L,3.6
ATH XI 15 21 25 25.3 37.99N 21.59E 18–1 3.5L,3.6
THE XI 15 21 25 25.8 37.97N 21.65E 0–2 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=21.4km az=122.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=0.6.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=76.0.
ATH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=267.0.
ISC XI 19 17 59 02.2–1.4 36.16N–.06 21.90E–.08 17–6 48 1-3
ISCJB XI 19 17 59 01.5–1.4 36.15N–.06 21.90E–.07 13–6 **¶13400623**
ATH XI 19 17 59 01.5 36.05N 21.88E 28–2 3.6
CSEM XI 19 17 59 02.3–.62 36.16N 21.87E 20 2.8L
THE XI 19 17 59 05.2 36.28N 21.97E 20–1 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.5km az=43.5.
ATH Error ellipse: s-maj=3.9km s-min=4.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=6.4km az=43.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=207.0.
ISC XI 20 02 19 22.9–.86 36.48N–.03 24.21E–.04 66–19 70 1-3
ATH XI 20 02 19 21.1 36.50N 24.26E 38–6 3.1,2.5L **¶13400654**
ISCJB XI 20 02 19 22.2–.76 36.49N–.04 24.22E–.04 70–15 3.1,2.5L
CSEM XI 20 02 19 22.4–.36 36.50N 24.21E 25–4 2.6L,2.5L
THE XI 20 02 19 24.1 36.52N 24.19E 32–19 2.6L,2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.5km az=39.5.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=34.0.
THE Event type ke. Error ellipse: s-maj=19.6km s-min=0.5km az=121.0.
ISC XI 20 18 51 32.1–.73 37.79N–.05 21.08E–.05 26–6 38 0-2
CSEM XI 20 18 51 31.2–.37 37.74N 21.08E 20 2.8 **¶13400711**
ATH XI 20 18 51 31.1 37.75N 21.09E 15–1 2.8
ISCJB XI 20 18 51 32.0–.68 37.79N–.05 21.07E–.05 28–5 2.8
THE XI 20 18 51 32.2 37.79N 21.10E 16–2 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=6.2km az=48.0.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.1km az=32.8.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.7km az=14.0.
ISC XI 20 20 48 23.9–1.3 36.11N–.06 22.43E–.06 1–6 52 1-3
CSEM XI 20 20 48 23.9–.54 36.15N 22.38E 2 3.5 **¶13400730**
THE XI 20 20 48 23.3 36.08N 22.35E 0–3 2.8L
ISCJB XI 20 20 48 24.8–.00 36.18N–.06 22.44E–.06 10 2.8L
ATH XI 20 20 48 24.7 36.18N 22.47E 21–2 3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.6km s-min=5.4km az=33.0.
THE Event type ke. Error ellipse: s-maj=4.8km s-min=1.3km az=215.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.1km az=36.7.
ATH Error ellipse: s-maj=2.1km s-min=1.9km az=-1.0.
ATH XI 23 04 19 22.7 36.35N 21.70E 10 3.0
¶13400910
ATH XI 26 04 48 18.6 36.40N 21.38E 36–5 2.8
CSEM XI 26 04 48 18.6 36.40N 21.38E 36 2.8 **¶13401144**
ATH Error ellipse: s-maj=3.4km s-min=6.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC XI 27 15 23 01.0–.60 37.98N–.06 21.37E–.03 17–5 44 0-2
CSEM XI 27 15 23 00.5–.21 37.95N 21.39E 20 3.0 **¶13401278**
ATH XI 27 15 23 00.4 37.93N 21.36E 17–2 3.0
ISCJB XI 27 15 23 01.1–.60 37.98N–.06 21.37E–.03 18–7 3.0
THE XI 27 15 23 01.2 38.12N 21.37E 23–4 2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=178.0.
ATH Error ellipse: s-maj=1.2km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=4.6km az=177.5.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=0.4km az=344.0.
ISC XI 30 20 34 43.5–.46 37.91N–.03 21.47E–.03 14–4 81 0-2
ATH XI 30 20 34 42.8 37.91N 21.42E 23–1 3.3 **¶13401582**
ISCJB XI 30 20 34 43.9–.46 37.92N–.03 21.47E–.03 18–5 3.3
CSEM XI 30 20 34 43.4–.23 37.92N 21.46E 20 3.3
THE XI 30 20 34 43.3 37.93N 21.49E 11–2 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.2km az=21.2.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.7km az=54.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=106.0.
ISC XI 30 22 01 12.2–.45 37.94N–.02 21.46E–.03 13–3 103 0-3
ISCJB XI 30 22 01 11.4–.47 37.93N–.02 21.46E–.03 6–4 **¶13401583**
CSEM XI 30 22 01 11.4–.19 37.91N 21.45E 10 3.4
ATH XI 30 22 01 11.2 37.95N 21.42E 28–1 3.4
THE XI 30 22 01 11.9 37.94N 21.49E 0–3 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=168.8.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=64.0.
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=253.0.
ISC XII 01 05 22 32.4–.45 37.98N–.02 21.56E–.02 17–3 127 0-2
ATH XII 01 05 22 31.9 38.01N 21.59E 22–1 2.9 **¶15119361**
ISCJB XII 01 05 22 32.6–.34 37.98N–.02 21.56E–.02 21–3 2.9
THE XII 01 05 22 32.5 37.99N 21.59E 6–1 2.8L
CSEM XII 01 05 22 32.4–.19 37.98N 21.57E 20 2.8L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.3km az=175.5.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=316.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.9km az=158.0.
ATH XII 01 06 50 53.1 37.49N 23.94E 23–2 1.7L
CSEM XII 01 06 50 53.1 37.49N 23.94E 23 1.7L **¶15119357**
THE XII 01 06 50 54.1 37.50N 23.92E 5–2 1.7L
ATH Error ellipse: s-maj=1.7km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.6km az=291.0.
ISC XII 01 07 26 07.4–1.3 36.18N–.06 21.80E–.07 11 56 1-3
ATH XII 01 07 26 06.4 36.17N 21.77E 11–1 3.6 **¶15119355**
CSEM XII 01 07 26 07.2–.60 36.21N 21.82E 2–0 2.9L
THE XII 01 07 26 08.3 36.27N 21.87E 0–1 2.9L
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.6km az=41.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=226.0.
ATH XII 01 07 51 53.2 36.23N 21.89E 37–4 3.4
CSEM XII 01 07 51 53.2 36.22N 21.89E 37 3.4 **¶15119353**
THE XII 01 07 51 55.2 36.31N 21.98E 7–12 2.2L
ATH Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
THE Event type ke. Error ellipse: s-maj=12.5km s-min=0.6km az=291.0.
ATH XII 01 09 04 02.7 36.30N 22.02E 29–1 3.4
CSEM XII 01 09 04 02.5 36.29N 22.01E 26 3.4 **¶15119351**
THE XII 01 09 04 03.8 36.36N 22.04E 6–13 2.3L
ATH Error ellipse: s-maj=1.7km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
THE Event type ke. Error ellipse: s-maj=13.4km s-min=0.6km az=148.0.
ATH XII 02 00 06 10.2 37.89N 23.47E 9–4 1.3L
CSEM XII 02 00 06 09.8–.07 37.91N 23.46E 10 1.3L **¶13401680**
THE XII 02 00 06 10.3 37.90N 23.47E 2–15 1.3L
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=103.0.
THE Event type ke. Error ellipse: s-maj=15.7km s-min=0.6km az=137.0.
ISC XII 02 01 27 25.8–.56 37.90N–.04 23.43E–.04 19–5 44 0-1
ATH XII 02 01 27 24.9 37.88N 23.37E 20–2 3.0,1.8L **¶13401682**
ISCJB XII 02 01 27 25.5–.89 37.89N–.04 23.45E–.04 25–9 3.0,1.8L
CSEM XII 02 01 27 25.1–.25 37.88N 23.46E 26–3 3.0,1.8L
THE XII 02 01 27 26.1 37.90N 23.42E 15–1 1.5L,1.8L
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.6km az=19.5.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.2km az=147.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=145.0.
ISC XII 08 12 05 40.9–.96 36.42N–.03 24.01E–.03 15–7 3.7b 135 1-45
IDC XII 08 12 05 36.9–1.6 37.50N 22.94E 0 3.7b,3.6 **¶12076354**
ATH XII 08 12 05 39.6 36.46N 24.06E 21–1 3.1L,3.6
CSEM XII 08 12 05 40.2–.13 36.43N 24.03E 10 3.7L,3.6
ISCJB XII 08 12 05 41.4–.68 36.42N–.03 24.00E–.03 24–7 3.7b,3.6
THE XII 08 12 05 41.3 36.43N 24.01E 14–2 3.7L,3.6
NEIC XII 08 12 05 41.9 36.39N 23.99E 5 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=137.5km s-min=23.2km az=141.0.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=135.7.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=204.0.
NEIC Event type se. After ATH.
ISC XII 08 12 08 58.7–.74 36.42N–.03 24.00E–.04 11–5 59 1-3
ISCJB XII 08 12 08 58.5–1.3 36.43N–.03 23.99E–.04 9–10 **¶13402235**
CSEM XII 08 12 08 58.8–.14 36.42N 24.01E 10 3.0L
ATH XII 08 12 08 58.3 36.44N 24.03E 24–1 3.3
THE XII 08 12 09 00.8 36.42N 23.93E 31–14 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=139.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=40.0.
ATH Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=14.2km s-min=0.4km az=260.0.
ISC XII 08 18 04 00.8–.72 37.69N–.04 21.16E–.04 15–4 3.2b 71 0-45
IDC XII 08 18 03 56.5–1.6 37.86N 21.33E 0 3.4,3.3 **¶12076388**
ISCJB XII 08 18 04 00.8–.76 37.69N–.04 21.19E–.04 16–7 3.2b,3.3
CSEM XII 08 18 04 00.7–.25 37.68N 21.15E 15 2.8L,3.3
ATH XII 08 18 04 00.2 37.66N 21.29E 20–1 2.9L,3.3
THE XII 08 18 04 01.7 37.72N 21.22E 13–0 2.8L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=68.2km s-min=26.9km az=125.0.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.6km az=34.6.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.2km az=44.0.
ATH Error ellipse: s-maj=1.9km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=228.0.
ATH XII 12 03 42 57.4 36.91N 22.34E 17 2.4
¶13402538
ISC XII 14 00 27 46.7–.87 36.50N–.04 21.66E–.05 5–4 3.5b 111 0-45
IDC XII 14 00 27 44.2–1.3 36.61N 21.85E 0 3.7,3.7 **¶12077363**
ISCJB XII 14 00 27 46.3–.83 36.48N–.03 21.68E–.04 6–4 3.5b,3.7
CSEM XII 14 00 27 47.6–.29 36.53N 21.71E 5 3.3L,3.7
ATH XII 14 00 27 48.2 36.58N 21.77E 26–1 3.5,3.0L
THE XII 14 00 27 49.0 36.58N 21.77E 2–2 3.3L,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=31.8km s-min=24.4km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.2km az=145.6.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=48.0.
ATH Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=221.0.
ISC XII 14 02 11 16.5–.51 37.56N–.03 21.34E–.05 56–6 3.4b 65 1-46
IDC XII 14 02 11 09.3–1.5 37.65N 21.52E 0 3.5b,3.5 **¶12077375**
ISCJB XII 14 02 11 15.5–.52 37.55N–.03 21.33E–.05 63–5 3.4b,3.5
CSEM XII 14 02 11 16.9–.26 37.55N 21.37E 40 2.9L,3.5
ATH XII 14 02 11 16.1 37.60N 21.37E 43–1 2.8L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=60.8km s-min=28.0km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.5km az=158.1.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.3km az=57.0.
ATH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
ATH XII 14 02 32 51.5 36.35N 21.08E 5–3 3.6
CSEM XII 14 02 32 51.7 36.32N 21.12E 5 3.6 **¶13402685**
ATH Error ellipse: s-maj=1.5km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH XII 14 15 52 54.3 36.60N 21.66E 30–0 3.0
CSEM XII 14 15 52 54.4 36.59N 21.67E 30 4.2 **¶13402741**
ATH Error ellipse: s-maj=0.5km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC XII 14 20 18 02.5–.30 37.91N–.02 22.30E–.02 8–2 3.7b 169 0-121
BEO XII 14 20 17 55.9–1.3 37.25N 22.23E 12–2 3.4L **¶11751697**
ATH XII 14 20 18 01.9 37.93N 22.29E 21–0 3.8L
ISCJB XII 14 20 18 01.7–.28 37.92N–.02 22.30E–.02 12–2 3.7b
CSEM XII 14 20 18 02.3–.15 37.90N 22.28E 10 3.8L
NEIC XII 14 20 18 06.2–.93 37.89N 22.26E 50–9 3.8L
IDC XII 14 20 18 07.2–2.6 38.00N 22.26E 55–24 3.5b,3.5
ISC Event type ke.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=138.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=52.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.1km az=54.0.
IDC Error ellipse: s-maj=22.1km s-min=19.9km az=89.0.

ISC	**XII**	**14 21 08 13.9–.67**	**36.45N–.04**	**21.66E–.07**	**63–5**	**4.0b**	**197**	**1-75**
ATH	XII	14 21 08 11.6	36.36N	21.71E	37–1	3.5L		¶13402770
NEIC	XII	14 21 08 11.5	36.36N	21.70E	37	3.5		
ISCJB	XII	14 21 08 13.9–.76	36.57N–.05	21.60E–.07	84–5	4.0b		
CSEM	XII	14 21 08 13.4–.30	36.39N	21.68E	60	4.0b		
BEO	XII	14 21 08 13.3–.84	36.65N	21.36E	0–0	3.6L		
IDC	XII	14 21 08 14.3–3.8	36.37N	21.92E	64–34	3.5b,3.5		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.							
NEIC	Event type se. After ATH.							
ISCJB	Event type ke. Error ellipse: s-maj=10.3km s-min=6.7km az=143.0.							
CSEM	Event type ke. Error ellipse: s-maj=10.3km s-min=4.9km az=56.0.							
IDC	Error ellipse: s-maj=26.5km s-min=22.5km az=160.0.							
ATH	**XII**	**14 21 25 46.2**	**36.58N**	**21.64E**	**27–1**	**2.8**		
CSEM	XII	14 21 25 46.2	36.58N	21.65E	27	3.6		¶13402773
ATH	Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ISC	**XII**	**15 01 34 03.8–.79**	**36.51N–.03**	**21.63E–.04**	**5–4**	**3.5b**	**151**	**0-45**
IDC	XII	15 01 34 01.2–1.3	36.63N	21.87E	0	3.6L,3.6b		¶12077518
ISCJB	XII	15 01 34 02.8–.74	36.50N–.03	21.62E–.04	4–4	3.5b,3.6b		
CSEM	XII	15 01 34 04.2–.23	36.53N	21.66E	5	3.0L,3.6b		
ATH	XII	15 01 34 05.2	36.60N	21.74E	24–0	3.0L,3.6b		
NEIC	XII	15 01 34 05.1	36.59N	21.74E	24	3.0L,3.6b		
THE	XII	15 01 34 06.0	36.57N	21.78E	4–1	3.3L,3.6b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=31.5km s-min=24.2km az=109.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.6km s-min=4.7km az=164.3.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=54.0.							
ATH	Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.							
NEIC	Event type se. After ATH.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=46.0.							
ATH	**XII**	**15 07 37 25.3**	**36.64N**	**21.50E**	**31–2**	**2.9**		
CSEM	XII	15 07 37 25.3	36.64N	21.50E	31	2.9		¶13402834
ATH	Error ellipse: s-maj=2.6km s-min=3.6km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ATH	**XII**	**15 18 53 28.0**	**36.56N**	**21.65E**	**18–1**	**3.5**		
CSEM	XII	15 18 53 28.1	36.56N	21.65E	18	3.5		¶13402881
ATH	Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ISC	**XII**	**19 02 03 07.6–1.0**	**36.73N–.06**	**22.8E–.10**	**6–17**		**18**	**0-1**
ISCJB	XII	19 02 03 07.3–.95	36.74N–.08	22.9E–.10	8–12			¶13403189
ATH	XII	19 02 03 07.5	36.73N	22.83E	5–3	2.7		
CSEM	XII	19 02 03 07.4–.04	36.77N	22.87E	4–0	1.6L		
THE	XII	19 02 03 07.7	36.75N	22.86E	5–3	1.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=18.5km s-min=11.4km az=33.5.							
ATH	Error ellipse: s-maj=0.6km s-min=1.1km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=77.0.							
THE	Event type ke. Error ellipse: s-maj=3.6km s-min=0.6km az=113.0.							
ISC	**XII**	**19 02 11 24.6–3.3**	**36.61N–.10**	**21.4E–.30**	**28–9**		**16**	**0-1**
CSEM	XII	19 02 11 24.9	36.56N	21.60E	26	2.6		¶13403191
ATH	XII	19 02 11 24.9	36.56N	21.60E	26–4	2.6		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ATH	Error ellipse: s-maj=3.2km s-min=5.7km az=-1.0.							
ISC	**XII**	**19 08 27 44.2–1.2**	**37.15N–.04**	**22.70E–.09**	**46–23**		**36**	**0-1**
ATH	XII	19 08 27 42.8	37.19N	22.75E	29–1	2.9		¶13403279
ISCJB	XII	19 08 27 43.9–1.2	37.16N–.04	22.70E–.09	48–17	2.9		
CSEM	XII	19 08 27 44.2–.20	37.16N	22.72E	40	2.9		
THE	XII	19 08 27 45.7	37.00N	23.47E	22–42	2.0L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=11.8km s-min=6.8km az=5.7.							
CSEM	Event type ke. Error ellipse: s-maj=6.5km s-min=4.9km az=79.0.							
THE	Event type ke. Error ellipse: s-maj=43.9km s-min=1.3km az=284.0.							
ISC	**XII**	**22 05 04 30.1–1.5**	**36.02N–.06**	**21.48E–.08**	**1–7**		**68**	**1-7**
THE	XII	22 05 04 30.8	36.03N	21.60E	1–2	3.5L		¶13403630
CSEM	XII	22 05 04 30.3–.59	36.04N	21.49E	2	3.6		
ATH	XII	22 05 04 30.0	36.07N	21.42E	10–1	3.6		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=202.0.							
CSEM	Event type ke. Error ellipse: s-maj=11.2km s-min=7.8km az=23.0.							
ATH	Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.							
ISC	**XII**	**24 20 44 21.0–.58**	**37.06N–.02**	**23.73E–.04**	**12–3**		**95**	**1-4**
ISCJB	XII	24 20 44 20.3–.55	37.07N–.02	23.73E–.04	10–4			¶13403882
CSEM	XII	24 20 44 20.8–.15	37.09N	23.73E	10	2.9L		
ATH	XII	24 20 44 22.8	37.15N	23.63E	27–1	2.9L		
THE	XII	24 20 44 23.0	37.04N	23.71E	31–48	3.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=31.9.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=130.0.							
ATH	Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=48.7km s-min=1.1km az=202.0.							
ISC	**XII**	**24 23 59 12.4–.28**	**36.12N–.02**	**21.72E–.03**	**10**	**4.9s,4.5b**	**513**	**1-97**
THE	XII	24 23 59 09.5	35.98N	21.59E	0–4	4.3L,4.5b		¶11610966
ISCJB	XII	24 23 59 10.8–.30	36.11N–.02	21.68E–.03	10	4.9s,4.5b		
IDC	XII	24 23 59 10.7–.73	36.34N	21.85E	0	4.4s,4.4		
MOS	XII	24 23 59 13.1–1.1	36.04N	21.74E	33	4.5b,4.4		
CSEM	XII	24 23 59 13.9–.22	36.22N	21.76E	20	4.6b,3.2s		
NEIC	XII	24 23 59 13.8	36.31N	21.77E	21	4.4b,3.9L		
ATH	XII	24 23 59 13.9	36.32N	21.78E	21–1	3.9L,3.9L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=6.8km s-min=2.2km az=192.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=22.7.							
IDC	Error ellipse: s-maj=16.1km s-min=14.4km az=157.0.							
MOS	Error ellipse: s-maj=7.1km s-min=3.9km az=98.8.							
CSEM	Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=13.0.							
NEIC	Event type se. After ATH.							
ATH	Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0.							
ISC	**XII**	**28 16 22 02.9–.69**	**36.17N–.04**	**23.29E–.05**	**8–5**	**3.6b**	**148**	**0-79**
CSEM	XII	28 16 22 02.9–.23	36.17N	23.26E	10	3.0L		¶12079285
ISCJB	XII	28 16 22 02.4–.64	36.19N–.04	23.29E–.05	8–5	3.6b		
ATH	XII	28 16 22 02.3	36.22N	23.29E	16–1	3.0L		
NEIC	XII	28 16 22 04.1	36.28N	23.35E	0	3.3L		
THE	XII	28 16 22 04.1	36.28N	23.35E	0–1	3.2L		
IDC	XII	28 16 22 28.7–8.1	37.81N	24.40E	144–46	3.4,3.3b		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=7.0km s-min=3.7km az=49.0.							
ISCJB	Event type ke. Error ellipse: s-maj=8.0km s-min=3.9km az=138.1.							
ATH	Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0.							
NEIC	Event type se. After THE.							
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=225.0.							
IDC	Error ellipse: s-maj=98.9km s-min=25.9km az=24.0.							
ISC	**XII**	**28 17 32 00.2–.29**	**37.12N–.01**	**22.13E–.01**	**11–2**	**4.4b,3.6s**	**726**	**0-121**
IDC	XII	28 17 31 58.0–.51	37.23N	22.22E	0	4.3,4.3		¶13404251
CSEM	XII	28 17 31 59.9–.13	37.18N	22.08E	2	5.0b,3.1s		
THE	XII	28 17 32 00.7	37.18N	22.20E	0–1	4.3L,3.1s		
ATH	XII	28 17 32 00.1	37.21N	22.14E	5–1	4.2L,3.1s		
MOS	XII	28 17 32 01.1–1.2	37.17N	22.06E	33	4.5b,3.1s		
PDG	XII	28 17 32 01.1–.53	37.25N	22.25E	11–1	4.2L,3.1s		
HLW	XII	28 17 32 01.2	37.37N	22.03E	33–17	4.6,3.8L		
NEIC	XII	28 17 32 03.4–.52	37.18N	22.09E	42–5	4.5b,3.8L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=13.0km s-min=12.3km az=59.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=40.0.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=211.0.							
ATH	Error ellipse: s-maj=0.5km s-min=0.3km az=-1.0.							
MOS	Error ellipse: s-maj=6.2km s-min=3.8km az=102.4.							
PDG	Event type ke. Error ellipse: s-maj=1.0km s-min=1.2km az=0.0.							
NEIC	Event type se. Error ellipse: s-maj=6.6km s-min=3.9km az=197.0.							
ISC	**XII**	**31 01 31 30.7–.54**	**37.23N–.02**	**21.57E–.04**	**12–3**	**3.6b**	**120**	**0-46**
IDC	XII	31 01 31 27.4–1.1	37.14N	21.86E	0	3.7b,3.7		¶12079623
ISCJB	XII	31 01 31 29.7–.58	37.23N–.02	21.52E–.04	6–4	3.6b,3.7		
THE	XII	31 01 31 30.9	37.25N	21.59E	8–0	3.4L,3.7		
ATH	XII	31 01 31 30.3	37.25N	21.57E	15–0	3.0L,3.7		
CSEM	XII	31 01 31 30.8–.30	37.18N	21.59E	20	3.4L,3.7		
NEIC	XII	31 01 31 33.5–2.1	37.17N	21.81E	49–21	3.8b,3.7		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=42.0km s-min=17.3km az=121.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=151.9.							
THE	Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=203.0.							
ATH	Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=7.4km s-min=5.8km az=55.0.							
NEIC	Event type se. Error ellipse: s-maj=23.1km s-min=11.4km az=139.0.							

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ISC	**VII**	**01 17 03 26.3–1.8**	**36.57N–.09**	**28.21E–.05**	**10**		**22**	**0-1**
CSEM	VII	01 17 03 26.5–.48	36.57N	28.20E	2	2.8		¶11514016
DDA	VII	01 17 03 29.9	36.61N	28.01E	7–4	2.8		
ISK	VII	01 17 03 29.7	36.70N	28.00E	15	2.8		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9.7km s-min=4.2km az=172.0.							
ISC	**VII**	**03 07 12 22.0–1.8**	**36.53N–.09**	**28.15E–.07**	**0–20**		**26**	**0-1**
ISCJB	VII	03 07 12 22.0–1.5	36.55N–.08	28.12E–.07	4–10			¶11514058
CSEM	VII	03 07 12 21.9–.66	36.54N	28.17E	2	2.8		
ISK	VII	03 07 12 23.6	36.64N	28.05E	21	2.8		
DDA	VII	03 07 12 25.6	36.70N	28.02E	7–2	2.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=12.8km s-min=9.1km az=179.5.							
CSEM	Event type ke. Error ellipse: s-maj=12.9km s-min=6.9km az=178.0.							
ISC	**VII**	**03 07 43 56.2–.25**	**36.56N–.02**	**26.60E–.03**	**143–3**	**3.5b**	**228**	**1-42**
DDA	VII	03 07 43 55.1	36.43N	26.43E	25–5	3.1		¶11514061
ISCJB	VII	03 07 43 55.3–.24	36.55N–.02	26.60E–.03	148–3	3.5b		
IDC	VII	03 07 43 55.5–.94	36.57N	26.64E	129–17	3.3,3.3		
ATH	VII	03 07 43 56.0	36.61N	26.58E	138–1	3.3,3.3		
CSEM	VII	03 07 43 56.0–.12	36.56N	26.59E	143–2	3.4,3.3		
HLW	VII	03 07 43 56.2	36.54N	26.99E	32–63	3.4,3.3		
NEIC	VII	03 07 43 56.0	36.61N	26.58E	138	3.9,3.3		
THE	VII	03 07 43 58.5	36.58N	26.59E	153–3	3.9L,3.3		
ISK	VII	03 07 44 04.9	37.04N	27.16E	82	3.4,3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=167.6.							
IDC	Error ellipse: s-maj=20.8km s-min=13.4km az=168.0.							
ATH	Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=4.0.							
NEIC	Event type se. After ATH.							
THE	Event type ke. Error ellipse: s-maj=3.5km s-min=1.0km az=157.0.							
ISC	**VII**	**03 12 08 41.7–.46**	**36.14N–.02**	**25.44E–.05**	**15–4**		**85**	**0-2**
ISCJB	VII	03 12 08 41.4–.47	36.13N–.02	25.43E–.05	12–4			¶12950986
THE	VII	03 12 08 41.8	36.13N	25.49E	8–1			
ATH	VII	03 12 08 41.5	36.13N	25.44E	36–1	3.4		
NEIC	VII	03 12 08 41.5	36.13N	25.44E	36	3.4		
CSEM	VII	03 12 08 41.3–.10	36.13N	25.45E	15	3.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.3km s-min=3.5km az=177.6.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=318.0.							
ATH	Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.							
NEIC	Event type se. After ATH.							
CSEM	Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=91.0.							
ISC	**VII**	**03 12 17 44.5–.43**	**36.92N–.02**	**27.51E–.04**	**7–4**		**88**	**0-4**
NEIC	VII	03 12 17 43.2	36.94N	27.54E	23	3.4		¶11514074
THE	VII	03 12 17 43.4	36.94N	27.57E	0–1	3.7L		
DDA	VII	03 12 17 43.8	36.95N	27.53E	16–2	3.2		
ATH	VII	03 12 17 43.2	36.94N	27.54E	23–2	3.4		
ISK	VII	03 12 17 43.2	36.91N	27.55E	2	3.3		
CSEM	VII	03 12 17 44.1–.16	36.92N	27.49E	8	3.2		
ISCJB	VII	03 12 17 44.1–.43	36.92N–.02	27.51E–.04	6–4	3.2		
ISC	Event type ke.							
NEIC	Event type se. After ATH.							
THE	Event type ke.							
CSEM	Event type ke.							
ISCJB	Event type ke.							
ISC	**VII**	**04 16 02 19.9–.90**	**36.46N–.04**	**28.11E–.05**	**77–9**		**50**	**0-2**
ATH	VII	04 16 02 17.9	36.49N	28.17E	85–0			¶11514120
ISCJB	VII	04 16 02 19.4–.88	36.46N–.04	28.12E–.05	79–9			
CSEM	VII	04 16 02 19.9–.37	36.45N	28.11E	70–5	2.8		
DDA	VII	04 16 02 19.9	36.56N	28.26E	8–7	2.8		
ISK	VII	04 16 02 19.9	36.33N	28.17E	27	2.8		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=6.2km az=147.8.							
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=4.9km az=7.0.							
ISC	**VII**	**06 00 03 45.6–.67**	**36.46N–.03**	**27.06E–.05**	**3–6**		**59**	**0-3**
DDA	VII	06 00 03 44.7	36.47N	26.98E	6–2	3.0		¶11514140
ATH	VII	06 00 03 44.6	36.42N	27.23E	83–5	3.0		
NEIC	VII	06 00 03 44.6	36.42N	27.23E	83	3.0		
CSEM	VII	06 00 03 45.5–.19	36.46N	27.09E	5	3.2		
ISK	VII	06 00 03 45.0	36.48N	27.17E	5	3.2		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=1.7km s-min=2.6km az=-1.0.							
NEIC	Event type se. After ATH.							
CSEM	Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=128.0.							
ISC	**VII**	**07 10 08 27.7–.63**	**36.18N–.05**	**28.90E–.04**	**15–5**		**68**	**1-3**
ATH	VII	07 10 08 25.4	36.50N	28.98E	44–34	3.2		¶11514153
NEIC	VII	07 10 08 25.0	36.56N	28.96E	38	3.3		
ISCJB	VII	07 10 08 27.9–.64	36.15N–.04	28.89E–.04	26–6	3.3		
CSEM	VII	07 10 08 27.1–.29	36.22N	28.89E	10	3.0		
ISK	VII	07 10 08 27.4	36.15N	28.86E	32	3.2		
DDA	VII	07 10 08 29.4	36.40N	28.94E	7–4	3.0		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=5.5km s-min=20.3km az=-1.0.							
NEIC	Event type se. After ATH.							
ISCJB	Event type ke. Error ellipse: s-maj=7.3km s-min=4.7km az=166.7.							
CSEM	Event type ke. Error ellipse: s-maj=7.4km s-min=4.7km az=170.0.							
ISC	**VII**	**07 18 37 20.4–.83**	**36.11N–.04**	**27.73E–.05**	**4–5**		**46**	**0-3**
DDA	VII	07 18 37 15.7	35.94N	27.32E	20–0	3.0		¶11514156
ATH	VII	07 18 37 18.9	36.29N	27.87E	33–10	3.2		
NEIC	VII	07 18 37 18.9	36.29N	27.87E	33	3.2,2.9		
ISCJB	VII	07 18 37 20.0–.80	36.13N–.04	27.73E–.05	1–6	3.2,2.9		
CSEM	VII	07 18 37 20.1–.41	36.10N	27.75E	5	3.0,2.9		
ISK	VII	07 18 37 22.5	36.27N	28.00E	7	3.0,2.9		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=4.7km s-min=8.9km az=-1.0.							
NEIC	Event type se. After ATH.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=6.3km az=143.8.							
CSEM	Event type ke. Error ellipse: s-maj=9.2km s-min=8.0km az=134.0.							
ISC	**VII**	**08 04 22 01.4–.50**	**37.73N–.03**	**26.62E–.03**	**6–4**		**81**	**0-3**
NEIC	VII	08 04 22 00.9	37.74N	26.71E	21	3.3		¶12951137
ISCJB	VII	08 04 22 00.7–.61	37.72N–.02	26.64E–.03	2–5	3.3		
ATH	VII	08 04 22 00.9	37.74N	26.71E	21–2	3.3		
CSEM	VII	08 04 22 01.2–.22	37.72N	26.64E	10–0	3.3		
THE	VII	08 04 22 01.1	37.75N	26.72E	0–1	3.6L		
DDA	VII	08 04 22 02.3	37.81N	26.76E	4–4	3.1		
ISC	Event type ke.							
NEIC	Event type se. After ATH.							
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=143.9.							
ATH	Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=60.0.							
THE	Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=119.0.							
ISC	**VII**	**11 16 43 03.7–.39**	**36.96N–.02**	**27.75E–.04**	**15–3**		**67**	**0-3**
THE	VII	11 16 43 02.4	36.98N	27.86E	0–1	3.6L		¶11514215
DDA	VII	11 16 43 03.7	37.00N	27.78E	7–2	3.0		

ISCJB VII 11 16 43 03.6–.48 36.95N–.02 27.74E–.04 14–4 3.0
ISK VII 11 16 43 03.0 36.97N 27.80E 9 2.7
NEIC VII 11 16 43 03.1 36.92N 27.74E 29 3.0,2.9
ATH VII 11 16 43 03.1 36.92N 27.74E 29–2 2.9,2.9
CSEM VII 11 16 43 03.4–.15 36.96N 27.75E 12 3.0,2.9
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=27.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=174.1.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.5km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=100.0.
ATH VII 14 17 24 08.1 36.66N 25.82E 45 3.1
CSEM VII 14 17 24 08.1 36.66N 25.82E 45 3.1 **¶12951291**
NEIC VII 14 17 24 08.1 36.66N 25.82E 45 3.1
ATH Error ellipse: s-maj=1.5km s-min=2.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
NEIC Event type se. After ATH.
ISC VII 14 23 54 32.7–.28 35.34N–.03 27.26E–.02 35 3.9b,2.6s 329 0-77
ISK VII 14 23 54 25.6 35.10N 27.09E 12 3.9L,2.6s **¶12951283**
IDC VII 14 23 54 25.9–1.3 35.24N 27.09E 0 3.9b,3.8
NEIC VII 14 23 54 31.7 35.49N 27.20E 34 4.4L,3.9b
CSEM VII 14 23 54 31.2–.16 35.32N 27.28E 20 4.2b,3.9b
ISCJB VII 14 23 54 31.1–.27 35.36N–.03 27.30E–.02 33 3.9b,2.6s
ATH VII 14 23 54 31.7 35.49N 27.20E 34–1 3.8L,2.6s
THE VII 14 23 54 33.4 35.42N 27.31E 22–5 4.4L,2.6s
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=17.2km az=28.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.1km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=179.3.
ATH Error ellipse: s-maj=1.7km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=1.3km az=142.0.
ISC VII 15 00 31 17.9–.55 35.39N–.03 27.24E–.02 21–4 207 0-7
ISK VII 15 00 31 13.4 35.30N 27.21E 9 3.5L **¶11514273**
DDA VII 15 00 31 15.9 35.48N 27.32E 15–1 3.4
ISCJB VII 15 00 31 17.2–.53 35.40N–.03 27.28E–.02 27–4 3.4
CSEM VII 15 00 31 17.7–.17 35.40N 27.25E 20 3.6
NEIC VII 15 00 31 18.1 35.63N 27.08E 26 3.6
ATH VII 15 00 31 18.1 35.65N 27.06E 24–3 3.6
THE VII 15 00 31 19.5 35.46N 27.20E 17–5 4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=166.6.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.5km az=167.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=3.8km s-min=3.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=1.5km az=146.0.
ISC VII 15 03 26 36.5–.07 35.923N–.01 27.804E–.01 65 6.3b 3699 0-167
BGS VII 15 03 26 21.3–1.8 34.83N 28.80E 52–0 6.3b,5.8s **¶13389231**
SZGRF VII 15 03 26 31.9 35.96N 28.27E 33 6.7b,5.8s
NIC VII 15 03 26 32.7–.20 35.69N 27.85E 65 5.9L,5.9b
PDG VII 15 03 26 33.0–.57 35.86N 27.90E 20–2 6.5,6.3L
BJI VII 15 03 26 33.0 36.23N 27.49E 56 6.1s,6.0b
DJA VII 15 03 26 33 35.72N 27.97E 13 6.4W,6.0b
MOS VII 15 03 26 33.4–.96 35.77N 27.95E 76 6.6b,6.0s
ISK VII 15 03 26 33.7 35.80N 27.88E 32 6.4L,6.0s
NEIC VII 15 03 26 34.7–.13 35.80N 27.86E 52 6.8,6.5b
IDC VII 15 03 26 34.8–.73 36.05N 27.72E 44–5 6.0,6.0b
CSEM VII 15 03 26 34.3–.05 35.73N 27.86E 58 6.4W,6.4b
ISCJB VII 15 03 26 34.9–.07 35.918N–.01 27.827E–.01 63 6.4b,6.4b
ATH VII 15 03 26 34.5 35.85N 27.92E 56–1 6.2L,6.4b
PDA VII 15 03 26 35.9 36.03N 27.70E 52 6.4W,6.4b
SGS VII 15 03 26 35.8 35.78N 27.95E 56 6.4W,6.4b
THE VII 15 03 26 35.5 35.83N 28.03E 33–3 7.0L,6.4b
DDA VII 15 03 26 36.4 36.01N 27.97E 57–11 6.1L,6.4b
SFS VII 15 03 26 36.0 35.98N 27.79E 68 6.4L,6.4b
HLW VII 15 03 26 37.0 35.40N 28.09E 33–69 6.2L,4.3
GCMT VII 15 03 26 39.8–.10 35.67N 27.69E 42–0 6.4W,4.3
NSSC VII 15 03 26 54 35.78N 29.90E 40 6.4W,4.3
TEH VII 15 03 29 00.0 35.98N 27.79E 68 6.4W,4.3
ISC Event type de.
BGS Error ellipse: s-maj=341.7km s-min=284.8km az=-1.0.
SZGRF Eastern Mediterranean Sea.
NIC Event type fe. Felt earthquake; Maximum Intensity 3; DODECANESE ISLANDS, GREECE - Felt I=III MM at Paphos, Polis, Limassol and Nicosi.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=90.0.
MOS Error ellipse: s-maj=4.3km s-min=1.8km az=116.6.
NEIC Event type de. Error ellipse: s-maj=2.8km s-min=1.9km az=19.0. One person killed on Rhodes. Felt [VII] at Trianta, [VI] at Lardos, [V] at Rodos and [III] at Iraklion and Kos. Also felt at Afantou, Antimacheia, Ayios Nikolaos, Chania, Gazion, Ierapetra, Kallithea, Karpathos, Kissamos, Kolimvarion, Kremasti, Masari, Neapolis, Oia, Rethymnon, Soroni, Thira and on Simi. Felt [V] at Marmaris, [IV] at Alanya and Bodrum and [III] at Fethiye, Turkey. Also felt at Antalya, Aydin, Izmir, Kusadasi, Milas, Mugla, Soke and Urla. Felt [III] at Paphos and [II] at Limassol, Cyprus. Also felt at Kyrenia, Nicosia and Polis. Felt [III] at Alexandria, Al Jizah and Cairo, Egypt. Also felt at Al Maks, Az Zaqaziq, Damanhur, Fa'id and Tanta. Felt at Kefar Sava, Haifa and Ramat Gan, Israel; at Beirut, Lebanon; at Ramallah, West Bank and at Damascus, Syria. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s5.00000°,δ65.00000°,λ175.00000°. NP2: ϕ_s97.00000°,δ85.00000°,λ25.00000°. Principal axes: T Plg21.0000°,Azm324.0000° ; N Plg0.0000°,Azm0.0000°; P Plg14.0000°,Azm228.0000° Moment Tensor Solution. s149 Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-0.61 $M_{r\theta}$1.73 $M_{\theta\phi}$2.66 $M_{\phi r}$0.37
Best double couple: NP1:ϕ_s3.00000°,δ59.00000°,λ173.00000°. NP2:ϕ_s97.00000°,δ84.00000° ,λ31.00000°. Principal axes: T 3.4400,Plg25.0000°,Azm324.0000°; N -0.4400,Plg58.0000° ,Azm106.0000°; P -3.0000,Plg16.0000°,Azm226.0000° M_o3.20000×10^{18}
IDC Error ellipse: s-maj=7.4km s-min=6.6km az=142.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=22.0.
ISCJB Event type de. Error ellipse: s-maj=1.4km s-min=0.9km az=9.6.
ATH Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=105.0.
SFS Event type ke.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 106 sta. Surface waves: sta=116, comp=270, per= 50. Moment Tensor Solution. s107,c247; s99,c188;
Moment tensor: Scale 10^{18}Nm; M_{rr}-1.22±.03 $M_{\theta\theta}$-0.04±.03; $M_{\phi\phi}$1.26±.03; $M_{r\theta}$2.56±.04; $M_{\theta\phi}$3.96±.03; $M_{\phi r}$0.38±.04; Best double couple: NP1:ϕ_s357.00000°,δ55.00000°,λ-169.00000°. NP2:ϕ_s261.00000°,δ81.00000°,λ-36.00000°. Principal axes: T 5.2400,Plg18.0000° ,Azm314.0000°; N -0.8000,Plg53.0000°,Azm69.0000°; P -4.4400,Plg31.0000° ,Azm213.0000° M_o4.80000×10^{18}
NSSC Event type fe.
ISC VII 15 03 46 58.5–.71 35.30N–.03 27.84E–.02 13–5 3.4b 167 1-42
DDA VII 15 03 46 50.3 34.92N 27.54E 12–0 3.8 **¶11514276**
IDC VII 15 03 46 55.4–1.6 35.29N 27.70E 0 3.6,3.5b
ISK VII 15 03 46 56.3 35.28N 27.72E 5 3.8L,3.5b
THE VII 15 03 46 57.8 35.33N 27.96E 0–2 4.8L,3.5b
ISCJB VII 15 03 46 57.9–.63 35.24N–.03 27.86E–.03 22–6 3.4b,3.5b
ATH VII 15 03 46 58.8 35.38N 27.83E 30–2 3.7,3.5b
NEIC VII 15 03 46 58.8 35.38N 27.83E 30 3.7,3.5b
CSEM VII 15 03 46 59.9–.21 35.38N 27.79E 15 3.7,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=22.9km az=13.0.
THE Event type ke. Error ellipse: s-maj=8.7km s-min=1.4km az=128.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=170.5.
ATH Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.2km az=159.0.
ISC VII 15 03 58 39.1–.92 35.49N–.05 27.53E–.05 22–7 68 0-4
CSEM VII 15 03 58 38.7–.38 35.47N 27.55E 20 3.3 **¶11514277**
DDA VII 15 03 58 38.4 35.50N 27.32E 28–0 3.4
ISCJB VII 15 03 58 38.2–.88 35.47N–.05 27.56E–.05 25–7 3.4
ISK VII 15 03 58 39.4 35.50N 27.75E 28 3.4
ATH VII 15 03 58 40.4 35.64N 27.30E 30–2 3.3
NEIC VII 15 03 58 40.4 35.64N 27.30E 30 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=4.8km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.0km az=145.7.
ATH Error ellipse: s-maj=8.1km s-min=5.1km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 15 04 08 00.6–.96 35.48N–.05 27.77E–.05 9–6 61 1-4
DDA VII 15 04 07 55.6 35.27N 27.85E 7–5 3.0 **¶11514278**
ISK VII 15 04 07 58.3 35.35N 27.63E 8 3.1
ISCJB VII 15 04 07 59.9–.92 35.45N–.05 27.78E–.04 9–5 3.1
CSEM VII 15 04 08 01.3–.39 35.48N 27.75E 14–0 3.2
NEIC VII 15 04 08 03.1 35.69N 27.52E 26 3.2
ATH VII 15 04 08 03.1 35.69N 27.52E 26–1 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.4km az=155.5.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.8km az=152.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=4.3km s-min=2.9km az=-1.0.
ISC VII 15 04 14 34.6–.69 35.61N–.06 27.35E–.06 23–5 68 0-2
ISK VII 15 04 14 31.9 35.63N 27.45E 5 3.1 **¶11514279**
ATH VII 15 04 14 33.6 35.74N 27.24E 25–1 3.2
NEIC VII 15 04 14 33.4 35.69N 27.29E 29 3.2
CSEM VII 15 04 14 34.6–.28 35.65N 27.33E 20 3.2
ISCJB VII 15 04 14 34.4–.64 35.63N–.06 27.33E–.05 25–5 3.2
DDA VII 15 04 14 35.2 35.95N 26.98E 28–2 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=1.5km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=4.0km az=144.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=4.3km az=146.2.
ISC VII 15 04 20 38.1–.71 35.82N–.04 27.97E–.05 53–11 69 0-3
ISK VII 15 04 20 37.1 35.82N 27.46E 20 3.1 **¶11514280**
ISCJB VII 15 04 20 37.4–.74 35.82N–.04 27.96E–.05 59–10 3.1
NEIC VII 15 04 20 38.6 35.91N 27.78E 44 3.2
ATH VII 15 04 20 38.6 35.91N 27.78E 44–1 3.2
DDA VII 15 04 20 39.0 36.07N 28.05E 28–2 3.0
CSEM VII 15 04 20 38.7–.39 35.87N 27.88E 48–8 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.6km az=135.6.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=3.2km s-min=3.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=5.0km az=131.0.
ISC VII 15 04 45 33.8–.68 35.85N–.05 27.82E–.05 57–11 53 0-4
ISCJB VII 15 04 45 32.9–.69 35.85N–.05 27.82E–.05 63–9 **¶12951326**
DDA VII 15 04 45 33.9 36.04N 27.94E 25–1 2.8
NEIC VII 15 04 45 33.5 35.89N 27.72E 54 3.1
ATH VII 15 04 45 33.5 35.89N 27.72E 54–4 3.1
CSEM VII 15 04 45 33.7–.35 35.84N 27.83E 55–9 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.9km az=149.2.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.8km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=5.9km az=150.0.
ISC VII 15 05 07 34.7–.67 35.88N–.04 27.89E–.05 49–11 64 0-4
ISK VII 15 05 07 33.6 35.88N 27.71E 22 3.1 **¶11514282**
NEIC VII 15 05 07 34.0 35.90N 27.81E 49 3.1
ISCJB VII 15 05 07 34.2–.69 35.88N–.04 27.87E–.05 54–9 3.1
ATH VII 15 05 07 34.0 35.90N 27.81E 49–4 3.1
DDA VII 15 05 07 35.7 36.22N 28.08E 8–8 3.0
CSEM VII 15 05 07 35.3–.36 35.92N 27.78E 33–5 3.1
ISC Event type ke.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=6.0km az=154.3.
ATH Error ellipse: s-maj=2.9km s-min=3.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=5.8km az=145.0.
ISC VII 15 05 29 42.6–1.8 35.90N–.09 27.90E–.08 31–11 27 1-2
ISCJB VII 15 05 29 43.2–1.6 35.93N–.09 27.92E–.08 33 **¶11514283**
CSEM VII 15 05 29 43.0–.83 35.97N 27.94E 20 2.3L
DDA VII 15 05 29 44.0 36.18N 28.15E 8–5 2.8
ISK VII 15 05 29 43.5 35.98N 27.51E 24 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=7.0km az=27.6.
CSEM Event type ke. Error ellipse: s-maj=17.9km s-min=8.7km az=31.0.
ISC VII 15 06 31 59.6–.96 35.49N–.02 27.88E–.03 20–9 123 1-9
CSEM VII 15 06 31 57.6–.17 35.50N 27.93E 2 3.7 **¶11514284**
ISK VII 15 06 31 58.6 35.60N 27.76E 2 3.3L
ATH VII 15 06 31 59.4 35.59N 27.86E 31–1 3.7
NEIC VII 15 06 31 59.3 35.58N 27.86E 30 3.7
DDA VII 15 06 32 00.4 35.78N 27.97E 24–2 3.5,3.4L
HLW VII 15 06 32 01.7 35.40N 28.07E 31–52 3.5L,3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.4km az=97.0.
ATH Error ellipse: s-maj=2.1km s-min=1.4km az=-1.0.
NEIC Event type se. After ATH.
ISC VII 15 09 44 46.9–.83 35.77N–.04 27.62E–.05 2–6 69 0-4
DDA VII 15 09 44 46.6 35.73N 27.60E 36–1 2.8 **¶12951323**
ATH VII 15 09 44 46.5 35.64N 27.76E 13–2 3.6
CSEM VII 15 09 44 46.8–.30 35.74N 27.67E 2 3.6
NEIC VII 15 09 44 46.5 35.65N 27.76E 12 3.6
ISC Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=5.1km az=145.0.
NEIC Event type se. After ATH.
ISC VII 15 12 58 29.7–.80 35.87N–.04 27.88E–.05 48–19 60 0-2
DDA VII 15 12 58 26.8 35.65N 27.73E 35–0 3.1 **¶11514290**
ISK VII 15 12 58 27.0 35.80N 27.68E 20 2.7L
ISCJB VII 15 12 58 29.0–.81 35.87N–.04 27.88E–.05 55–14 2.7L
ATH VII 15 12 58 29.5 35.94N 27.76E 41–1 2.9
CSEM VII 15 12 58 29.8–.34 35.90N 27.86E 40 2.9
NEIC VII 15 12 58 29.5 35.94N 27.76E 41 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=5.5km az=140.0.
ATH Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=5.7km az=138.0.
NEIC Event type se. After ATH.
ISC VII 15 17 45 17.1–.74 35.84N–.04 27.81E–.05 55–11 58 0-2
NEIC VII 15 17 45 16.4 35.88N 27.74E 55 3.4 **¶11514297**
ISCJB VII 15 17 45 16.4–.77 35.84N–.04 27.80E–.05 59–10 3.4
ATH VII 15 17 45 16.4 35.88N 27.74E 55–3 3.4
ISK VII 15 17 45 17.0 35.90N 27.65E 23 2.3L
DDA VII 15 17 45 17.2 36.07N 28.03E 7–3 3.0
CSEM VII 15 17 45 17.3–.38 35.87N 27.78E 46–8 3.4
ISC Event type ke.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.6km az=44.1.
ATH Error ellipse: s-maj=3.5km s-min=3.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.3km az=136.0.
ISC VII 15 22 42 26.1–.81 35.90N–.07 27.96E–.07 54–12 37 0-3
ISCJB VII 15 22 42 25.4–.83 35.90N–.07 27.97E–.07 57–11 **¶12951310**
NEIC VII 15 22 42 26.0 35.93N 27.86E 48 3.3
ATH VII 15 22 42 26.0 35.93N 27.86E 48–3 3.3
CSEM VII 15 22 42 26.1–.35 35.88N 27.97E 49–7 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=5.9km az=144.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.0km s-min=2.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=5.0km az=140.0.
ISC VII 15 23 34 02.5–.67 35.87N–.04 27.78E–.05 48–12 74 0-3
ISK VII 15 23 33 59.6 35.82N 27.64E 22 3.2 **¶11514299**
ISCJB VII 15 23 34 01.8–.67 35.87N–.04 27.77E–.05 54–10 3.2
ATH VII 15 23 34 02.0 35.92N 27.67E 39–1 3.5
CSEM VII 15 23 34 02.5–.28 35.90N 27.75E 36–4 3.5

NEIC VII 15 23 34 02.0 35.92N 27.67E 39 3.5
DDA VII 15 23 34 03.3 36.18N 28.06E 10–5 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.5km az=40.0.
ATH Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.9km az=132.0.
NEIC Event type se. After ATH.
ISC VII 15 23 52 37.8–.08 35.75N–.01 27.923E–.01 59 5.1b,3.8s 2250 0-126
BGS VII 15 23 52 02.8–1.9 32.93N 30.70E 52–0 5.0b,3.8s **¶13389310**
SZGRF VII 15 23 52 19.7 34.52N 28.89E 33 5.4b,3.8s
DDA VII 15 23 52 34.1 35.61N 27.70E 28–0 5.2L,3.8s
PDG VII 15 23 52 34.5–.68 35.76N 27.96E 14–2 5.0L,3.8s
NIC VII 15 23 52 36.9–.30 35.72N 27.95E 70 4.8b,4.5L
ISCJB VII 15 23 52 36.0–.08 35.74N–.01 27.925E–.01 57 5.1b,3.8s
ISK VII 15 23 52 36.2 35.76N 27.87E 49 5.0L,3.8s
NEIC VII 15 23 52 37.8 35.87N 27.90E 58 5.2b,3.8s
ATH VII 15 23 52 37.8 35.87N 27.90E 58–1 4.8L,3.8s
BJI VII 15 23 52 37.8 35.90N 27.90E 68 4.9b,4.8s
CSEM VII 15 23 52 37.4–.07 35.75N 27.93E 56 5.2b,5.0L
MOS VII 15 23 52 38.5–1.1 35.88N 27.87E 80 5.3b,5.0L
IDC VII 15 23 52 38.5–.55 36.00N 27.73E 55–3 4.7,4.7
GCMT VII 15 23 52 38.8–.30 35.67N 27.75E 42–1 4.9W,4.7
THE VII 15 23 52 41.3 35.95N 27.80E 26–4 5.5L,4.7
HLW VII 15 23 52 45.4 35.01N 28.20E 32–56 6.3L,4.1
NSSC VII 15 23 52 50 35.75N 29.28E 38 6.3L,4.1
ISC Event type fe.
BGS Error ellipse: s-maj=947.3km s-min=847.8km az=-1.0.
SZGRF Eastern Mediterranean Sea.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=90.0.
NIC Dodecanese Islands,Greece 27km. SE Kattavia. Moment Tensor Solution. $M_0$1.50000×10^{15}
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.0km az=19.6.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.9km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=12.0.
MOS Error ellipse: s-maj=3.8km s-min=1.9km az=117.3.
IDC Error ellipse: s-maj=11.9km s-min=9.4km az=167.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s33,c36; s61,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.97±.17 $M_{\theta\theta}$0.30±.12; $M_{\phi\phi}$0.68±.11; $M_{r\theta}$1.21±.12; $M_{\theta\phi}$2.85±.09; $M_{\phi r}$0.11±.12; Best double couple: NP1:ϕ_s360.00000°,δ63.00000°,λ-169.00000°. NP2:ϕ_s265.00000°,δ80.00000°,λ-27.00000°. Principal axes: T 3.5300,Plg12.0000° ,Azm315.0000°; N -0.7600,Plg61.0000°,Azm67.0000°; P -2.7700,Plg26.0000° ,Azm219.0000° $M_0$3.20000×10^{16}
THE Event type ke. Error ellipse: s-maj=4.5km s-min=0.4km az=113.0.
NSSC Event type fe.
ISC VII 16 00 10 21.3–.15 35.75N–.01 27.96E–.01 64–3 3.9b 552 0-43
IDC VII 16 00 10 14.6–1.5 35.91N 27.83E 0 4.1L,4.0 **¶11153422**
DDA VII 16 00 10 18.3 35.74N 27.83E 32–3 3.6,4.0
ISK VII 16 00 10 18.1 35.63N 27.94E 26 3.8L,4.0
ISCJB VII 16 00 10 19.8–.16 35.73N–.02 27.98E–.02 72–2 3.8b,4.0
SGS VII 16 00 10 20.4 35.57N 27.92E 32 3.8b,4.0
NIC VII 16 00 10 21.8–.20 35.60N 28.06E 35 4.3b,3.7L
CSEM VII 16 00 10 21.2–.07 35.75N 27.97E 60 3.9b,3.3W
ATH VII 16 00 10 21.0 35.85N 27.91E 59–1 3.7L,3.3W
NEIC VII 16 00 10 21.0 35.85N 27.91E 59 3.9b,3.3W
HLW VII 16 00 10 23.9 35.48N 28.17E 31–42 4.0,3.8L
THE VII 16 00 10 24.1 35.93N 27.83E 37–4 4.4L,3.8L
SZGRF VII 16 00 10 32.0 36.69N 27.36E 33 3.8b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=18.8km az=35.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=24.9.
NIC Moment Tensor Solution. $M_0$8.80000×10^{13}
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=35.0.
ATH Error ellipse: s-maj=0.6km s-min=0.4km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=0.9km az=105.0.
SZGRF Dodecanese Islands, Greece.
ISC VII 16 03 46 40.0–.70 35.30N–.03 27.86E–.02 12–4 3.5b 172 1-58
IDC VII 16 03 46 38.6–2.5 35.76N 27.42E 0 3.6,3.6b **¶11514304**
ISCJB VII 16 03 46 38.8–.67 35.28N–.03 27.90E–.02 12–4 3.5b,3.6b
ISK VII 16 03 46 38.7 35.18N 27.75E 26 3.6L,3.6b
DDA VII 16 03 46 40.0 35.54N 27.88E 8–3 3.9L,3.7
CSEM VII 16 03 46 40.1–.18 35.34N 27.83E 10 3.3,3.7
ATH VII 16 03 46 40.7 35.43N 27.81E 30–2 3.3,3.7
NEIC VII 16 03 46 40.7 35.43N 27.81E 30 3.3,3.7
THE VII 16 03 46 41.2 35.37N 27.91E 10–5 3.3,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=56.9km s-min=23.4km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=174.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.9km az=165.0.
ATH Error ellipse: s-maj=2.5km s-min=1.5km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=7.4km s-min=1.1km az=127.0.
ISC VII 16 07 00 39.6–1.1 35.36N–.05 27.65E–.04 1–6 75 0-4
ISK VII 16 07 00 36.9 35.23N 27.53E 6 3.2L **¶11514307**
ISCJB VII 16 07 00 39.2–1.0 35.37N–.05 27.65E–.04 2–6 3.2L
ATH VII 16 07 00 40.1 35.42N 27.64E 21–1 3.6
NEIC VII 16 07 00 40.1 35.42N 27.64E 21 3.6
CSEM VII 16 07 00 42.0–.42 35.43N 27.63E 19–0 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=4.5km az=150.7.
ATH Error ellipse: s-maj=2.3km s-min=1.5km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=5.2km az=152.0.
ISC VII 16 18 10 14.4–.72 35.84N–.04 27.90E–.05 53–11 58 0-4
DDA VII 16 18 09 39.5 34.72N 26.94E 21–0 3.4 **¶11514313**
ISCJB VII 16 18 10 13.7–.74 35.85N–.04 27.90E–.05 59–9 3.4
ATH VII 16 18 10 14.0 35.79N 27.88E 42–2 3.3
CSEM VII 16 18 10 14.6–.36 35.88N 27.89E 48–8 3.3
ISK VII 16 18 10 14.0 35.88N 27.97E 31 2.7L
NEIC VII 16 18 10 14.0 35.79N 27.88E 42 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=5.1km az=43.1.
ATH Error ellipse: s-maj=4.2km s-min=4.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.1km az=130.0.
NEIC Event type se. After ATH.
ISC VII 16 22 46 12.9–.69 35.96N–.05 27.59E–.08 24–8 44 1-2
NEIC VII 16 22 46 10.8 35.86N 27.76E 42 3.3 **¶12951345**
ATH VII 16 22 46 10.8 35.86N 27.76E 42–0 3.3
ISCJB VII 16 22 46 12.0–1.9 36.02N–.05 27.51E–.06 13–13 3.3
CSEM VII 16 22 46 12.0–.23 35.99N 27.53E 15 3.3
DDA VII 16 22 46 14.9 36.13N 27.29E 40–0 2.9
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.2km az=44.6.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=3.7km az=134.0.
ISC VII 17 02 30 33.0–.29 35.75N–.03 27.83E–.03 53–10 151 1-9
ISCJB VII 17 02 30 31.3–.28 35.72N–.03 27.85E–.03 70–7 **¶11514319**
CSEM VII 17 02 30 32.9–.14 35.73N 27.85E 60 3.6
ATH VII 17 02 30 33.2 35.89N 27.70E 49–3 3.6
DDA VII 17 02 30 33.2 36.02N 27.90E 26–2 3.0
ISK VII 17 02 30 33.6 35.93N 27.68E 26 3.3
NEIC VII 17 02 30 33.2 35.90N 27.70E 49 3.6
HLW VII 17 02 30 40.7 35.13N 28.34E 36–51 3.5,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=167.5.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.9km az=178.0.
ATH Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
NEIC Event type se. After ATH.
ATH VII 17 02 53 59.2 35.84N 27.78E 42–1 3.5
CSEM VII 17 02 53 58.9 35.81N 27.81E 43 3.5 **¶12951398**
NEIC VII 17 02 53 58.9 35.81N 27.81E 43 3.5
ATH Error ellipse: s-maj=4.9km s-min=4.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
NEIC Event type se. After ATH.
ISC VII 17 07 22 44.3–.56 35.85N–.04 27.79E–.04 58–10 93 0-4
ISK VII 17 07 22 40.7 35.69N 27.74E 32 2.9L **¶11514325**
DDA VII 17 07 22 42.2 35.97N 27.94E 15–1 2.9
ISCJB VII 17 07 22 43.4–.55 35.85N–.04 27.78E–.04 64–8 2.9
NEIC VII 17 07 22 44.3 35.93N 27.67E 47 3.5
CSEM VII 17 07 22 44.1–.22 35.88N 27.81E 60 3.5
ATH VII 17 07 22 44.3 35.93N 27.67E 47–3 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.6km az=144.4.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=3.5km az=147.0.
ATH Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.
ISC VII 17 14 52 04.7–.32 35.50N–.03 27.94E–.03 35 111 1-7
ISK VII 17 14 52 00.2 35.29N 27.79E 30 3.5L **¶11514332**
ISCJB VII 17 14 52 02.9–.32 35.44N–.02 27.94E–.03 33 3.5L
NEIC VII 17 14 52 03.0 35.59N 27.91E 32 3.4
CSEM VII 17 14 52 03.2–.20 35.52N 27.95E 19–0 3.4
ATH VII 17 14 52 03.0 35.58N 27.91E 32–0 3.4
DDA VII 17 14 52 05.6 35.83N 28.01E 20–0 3.3
HLW VII 17 14 52 08.4 35.22N 28.23E 31–28 3.6L,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=33.8.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.3km az=129.0.
ATH Error ellipse: s-maj=1.2km s-min=0.8km az=-1.0.
ISC VII 18 02 08 13.0–.23 35.82N–.02 27.85E–.02 67–3 3.5b 426 0-42
ISK VII 18 02 08 09.9 35.76N 27.80E 25 3.8L **¶11514341**
ISCJB VII 18 02 08 11.9–.24 35.84N–.02 27.84E–.02 75–3 3.5b
CSEM VII 18 02 08 12.4–.11 35.75N 27.89E 74–2 3.8b
ATH VII 18 02 08 12.4 35.84N 27.81E 51–1 3.5L
DDA VII 18 02 08 12.9 36.04N 28.02E 22–2 3.9
NEIC VII 18 02 08 12.4 35.84N 27.81E 51 3.7b
IDC VII 18 02 08 13.2–1.9 35.63N 28.07E 93–24 3.4,3.3b
THE VII 18 02 08 15.1 35.92N 27.44E 0–1 4.0L,3.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=165.9.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=5.0.
ATH Error ellipse: s-maj=1.0km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
IDC Error ellipse: s-maj=18.5km s-min=15.4km az=28.0.
THE Event type ke. Error ellipse: s-maj=6.4km s-min=0.7km az=102.0.
ISC VII 18 16 25 35.2–.29 36.60N–.03 26.95E–.03 141–3 3.7b 162 1-57
IDC VII 18 16 25 31.8–4.1 36.81N 26.86E 100–45 3.5b,3.5 **¶11514353**
ISCJB VII 18 16 25 34.2–.29 36.60N–.03 26.95E–.03 146–3 3.7b,3.5
NEIC VII 18 16 25 35.5–.44 36.61N 26.94E 147–7 3.8b,3.5
CSEM VII 18 16 25 35.2–.15 36.61N 26.91E 142–2 3.1,3.5
ATH VII 18 16 25 35.3 36.81N 26.70E 20–1 3.3,3.5
ISK VII 18 16 25 36.4 36.76N 26.92E 128 3.1,3.5
DDA VII 18 16 25 36.7 36.52N 27.29E 4–6 3.1,3.5
THE VII 18 16 25 39.3 36.75N 26.79E 31–38 3.1,3.5
HLW VII 18 16 25 42.7 35.96N 27.41E 36–12 3.7,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=33.0km s-min=21.3km az=144.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.5km az=153.6.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.2km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.7km az=144.0.
ATH Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=38.1km s-min=1.2km az=138.0.
ISC VII 18 22 52 39.2–1.3 35.81N–.08 27.9E–.10 52–14 38 0-3
ISCJB VII 18 22 52 38.7–1.3 35.83N–.07 27.9E–.10 56–12 **¶12951403**
ATH VII 18 22 52 38.8 35.72N 27.84E 38–1 3.1
NEIC VII 18 22 52 38.8 35.72N 27.84E 38 3.1
DDA VII 18 22 52 39.0 36.05N 27.97E 7–6 2.9
CSEM VII 18 22 52 39.0–.86 35.81N 27.92E 52–11 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.0km s-min=6.1km az=36.4.
ATH Error ellipse: s-maj=2.4km s-min=2.1km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=26.5km s-min=7.6km az=128.0.
ISC VII 19 01 12 56.9–.58 35.89N–.04 27.93E–.05 45–12 68 0-3
ISK VII 19 01 12 54.1 35.81N 27.79E 20 3.2 **¶11514359**
DDA VII 19 01 12 55.2 36.03N 28.08E 7–3 2.9
ATH VII 19 01 12 56.5 35.96N 27.78E 40–2 3.0
ISCJB VII 19 01 12 56.2–.59 35.88N–.04 27.93E–.04 50–9 3.0
NEIC VII 19 01 12 56.5 35.96N 27.78E 40 3.0
CSEM VII 19 01 12 57.1–.27 35.94N 27.90E 40 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=2.8km s-min=3.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.0km az=143.6.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.7km az=143.0.
ISC VII 19 03 15 52.4–.53 35.86N–.04 27.81E–.04 52–11 83 0-4
DDA VII 19 03 15 50.7 35.84N 27.79E 54–7 3.1 **¶11514361**
ISK VII 19 03 15 50.2 35.85N 27.74E 21 2.9L
ISCJB VII 19 03 15 51.7–.55 35.87N–.04 27.81E–.04 57–9 2.9L
CSEM VII 19 03 15 52.1–.22 35.88N 27.80E 30 3.1
NEIC VII 19 03 15 52.6 35.96N 27.61E 35 3.1
ATH VII 19 03 15 52.6 35.96N 27.61E 35–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=140.4.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=145.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0.
ISC VII 19 14 06 58.2–1.6 35.81N–.07 27.78E–.07 27–12 43 1-4
ISCJB VII 19 14 06 58.2–1.4 35.80N–.07 27.80E–.08 35–49 **¶11514369**
CSEM VII 19 14 06 58.0–.22 35.86N 27.80E 20 2.9L
DDA VII 19 14 06 58.0 35.88N 27.74E 51–5 3.4
ISK VII 19 14 06 59.6 35.88N 27.63E 30 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.8km s-min=8.4km az=33.3.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=25.0.
ISC VII 20 08 41 52.0–1.0 35.88N–.04 27.72E–.06 33–9 41 1-4
DDA VII 20 08 41 50.2 36.00N 27.97E 29–3 2.9 **¶11514375**
ISK VII 20 08 41 50.6 35.88N 27.64E 24 3.1
CSEM VII 20 08 41 51.0–.41 35.88N 27.66E 20 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=6.7km az=25.0.
ISC VII 21 01 05 59.0–.33 36.93N–.02 27.54E–.03 11–2 128 0-6
DDA VII 21 01 05 58.5 36.98N 27.55E 14–2 3.3 **¶11514389**
ATH VII 21 01 05 58.6 36.95N 27.63E 35–4 3.3
CSEM VII 21 01 05 58.5–.13 36.92N 27.54E 10–0 3.3
ISK VII 21 01 05 58.0 36.94N 27.56E 10 3.3
NEIC VII 21 01 05 58.6 36.95N 27.63E 35 3.3
ISCJB VII 21 01 05 58.5–.33 36.94N–.02 27.54E–.03 11–2 3.3
THE VII 21 01 05 58.8 36.93N 27.60E 10–1 4.1L
ISC Event type ke.
ATH Error ellipse: s-maj=2.2km s-min=4.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.8km az=104.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=177.1.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=196.0.
ISC VII 21 05 36 27.4–.72 36.45N–.04 25.60E–.08 17–5 39 0-2
ISCJB VII 21 05 36 27.1–.71 36.44N–.04 25.64E–.07 13–5 **¶12951553**
NEIC VII 21 05 36 27.3 36.41N 25.44E 9 3.1
ATH VII 21 05 36 27.0 36.40N 25.42E 6 3.1
CSEM VII 21 05 36 27.3–.25 36.44N 25.57E 14–2 3.1
THE VII 21 05 36 27.9 36.46N 25.47E 20–2 3.1

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.7km az=6.8.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=5.2km az=65.0.
THE Event type ke. Error ellipse: s-maj=4.8km s-min=0.7km az=127.0.

ISC	**VII**	**23 17 09 34.4–.48**	**35.48N–.04**	**27.49E–.04**	**36–8**	**3.5b**	**114**	**0-42**
ISK	VII	23 17 09 31.2	35.48N	27.47E	17	3.4		¶11514441
DDA	VII	23 17 09 31.7	35.55N	27.43E	22–2	3.3		
NEIC	VII	23 17 09 33.7	35.56N	27.45E	38	3.4,3.1		
IDC	VII	23 17 09 33.6–5.9	35.40N	27.52E	35–57	4.5,4.5s		
ATH	VII	23 17 09 33.8	35.56N	27.44E	38–2	3.1,4.5s		
ISCJB	VII	23 17 09 33.8–.54	35.51N–.04	27.47E–.04	47–6	3.5b,4.5s		
CSEM	VII	23 17 09 34.6–.30	35.52N	27.48E	36–3	3.1,4.5s		
THE	VII	23 17 09 36.4	35.60N	27.41E	30–10	4.1L,4.5s		

ISC Event type ke.
NEIC Event type se. After ATH.
IDC Error ellipse: s-maj=36.7km s-min=24.5km az=124.0.
ATH Error ellipse: s-maj=3.9km s-min=2.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.6km az=156.9.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.9km az=159.0.
THE Event type ke. Error ellipse: s-maj=10.9km s-min=0.6km az=160.0.

ISC	**VII**	**23 20 29 40.6–.89**	**35.85N–.05**	**27.91E–.06**	**52–12**		**49**	**0-2**
ISK	VII	23 20 29 39.6	35.87N	27.76E	22	3.2		¶11514443
NEIC	VII	23 20 29 40.0	35.90N	27.83E	51	3.0,3.0		
ISCJB	VII	23 20 29 40.1–.90	35.85N–.05	27.91E–.06	55–11	3.0,3.0		
ATH	VII	23 20 29 40.0	35.90N	27.83E	51–2	3.0,3.0		
DDA	VII	23 20 29 41.0	36.11N	28.07E	7–1	3.1,3.0		
CSEM	VII	23 20 29 41.0–.33	35.89N	27.87E	40	3.0,3.0		

ISC Event type ke.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=6.7km az=142.8.
ATH Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=5.8km az=141.0.

ISC	**VII**	**24 03 31 31.4–.66**	**35.88N–.04**	**27.88E–.04**	**46–13**		**63**	**0-3**
ISK	VII	24 03 31 30.8	35.96N	27.79E	23	3.3		¶11514448
NEIC	VII	24 03 31 30.1	35.88N	27.89E	51	3.0		
ISCJB	VII	24 03 31 30.8–.66	35.88N–.04	27.88E–.04	50–10	3.0		
ATH	VII	24 03 31 30.1	35.88N	27.89E	51–1	3.0		
DDA	VII	24 03 31 31.5	36.12N	28.08E	7–3	3.1		
CSEM	VII	24 03 31 31.2–.39	35.90N	27.86E	33–5	3.0		

ISC Event type ke.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=146.5.
ATH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=5.6km az=146.0.

ISC	**VII**	**24 08 05 22.3–.60**	**36.97N–.05**	**27.97E–.04**	**7–9**		**36**	**0-2**
DDA	VII	24 08 05 20.9	36.93N	27.99E	10–6	2.9		¶11514449
ISK	VII	24 08 05 21.1	36.95N	27.99E	13	2.7		
CSEM	VII	24 08 05 21.8–.21	36.97N	27.97E	8	2.7		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=168.0.

ISC	**VII**	**25 11 29 03.2–.18**	**35.78N–.02**	**27.98E–.02**	**57–3**	**3.8b,2.6s**	**380**	**0-80**
ISK	VII	25 11 29 00.3	35.66N	27.80E	32	3.9,2.6s		¶13390058
ISCJB	VII	25 11 29 01.7–.19	35.75N–.02	28.01E–.02	64–3	3.8b,2.6s		
MOS	VII	25 11 29 02.2–1.1	35.76N	27.99E	69	4.0b,2.6s		
SGS	VII	25 11 29 02.3	35.54N	27.78E	27	4.0b,2.6s		
ATH	VII	25 11 29 02.8	35.86N	27.93E	53–2	3.8,2.6s		
NEIC	VII	25 11 29 02.8	35.86N	27.93E	53	3.9b,3.8		
CSEM	VII	25 11 29 03.2–.08	35.77N	27.98E	60	3.8b,3.5W		
IDC	VII	25 11 29 03.5–.79	35.83N	27.98E	57–8	3.7,3.7		
DDA	VII	25 11 29 03.5	35.97N	27.99E	37–2	3.8,3.7		
THE	VII	25 11 29 05.7	35.91N	27.87E	41–1	4.4L,3.7		
HLW	VII	25 11 29 06.7	35.45N	28.08E	36–56	3.8L,3.5		
NIC	VII	25 11 29 08.1–.20	35.78N	28.45E	55	4.3b,3.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=29.7.
MOS Error ellipse: s-maj=9.0km s-min=4.9km az=121.4.
ATH Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=39.0.
IDC Error ellipse: s-maj=16.2km s-min=11.7km az=135.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=103.0.
NIC Moment Tensor Solution. $M_0 1.40000 \times 10^{14}$

ISC	**VII**	**25 21 00 47.8–.57**	**35.97N–.03**	**27.31E–.04**	**10–4**		**73**	**0-3**
NEIC	VII	25 21 00 46.7	35.97N	27.35E	24	3.3		¶11514486
ATH	VII	25 21 00 46.7	35.97N	27.35E	24–3	3.3		
CSEM	VII	25 21 00 46.8–.27	36.02N	27.25E	2	3.3		
ISK	VII	25 21 00 46.6	35.95N	27.24E	18	3.1		
ISCJB	VII	25 21 00 47.1–.56	35.98N–.03	27.30E–.04	8–4	3.1		
DDA	VII	25 21 00 50.7	36.15N	27.68E	7–7	3.0		

ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.3km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=142.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=38.6.

ISC	**VII**	**26 08 43 11.6–.77**	**35.97N–.05**	**27.66E–.07**	**27–9**		**24**	**0-2**
ISK	VII	26 08 43 07.2	35.86N	27.39E	8	3.1		¶11514500
ATH	VII	26 08 43 09.0	35.93N	27.78E	51–2	2.9		
ISCJB	VII	26 08 43 11.5–.80	35.96N–.06	27.66E–.07	29–8	2.9		
CSEM	VII	26 08 43 11.1–.47	36.01N	27.58E	21–5	3.1		

ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=6.8km az=39.9.
CSEM Event type ke. Error ellipse: s-maj=13.6km s-min=9.0km az=134.0.

ISC	**VII**	**26 13 51 59.2–.62**	**36.25N–.04**	**28.87E–.03**	**15–4**		**65**	**1-4**
ATH	VII	26 13 51 56.0	36.67N	28.94E	28–2	3.4		¶11514512
NEIC	VII	26 13 51 56.0	36.67N	28.94E	28	3.4,3.3		
ISK	VII	26 13 51 57.8	36.23N	28.89E	12	3.3,3.3		
DDA	VII	26 13 51 58.7	36.21N	28.91E	35–2	3.3,3.3		
ISCJB	VII	26 13 51 58.6–.61	36.26N–.04	28.86E–.03	12–4	3.3,3.3		
CSEM	VII	26 13 51 59.0–.28	36.25N	28.88E	15	3.3,3.3		

ISC Event type ke.
ATH Error ellipse: s-maj=5.7km s-min=0.7km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.6km az=179.1.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.7km az=175.0.

ISC	**VII**	**27 02 28 21.1–1.1**	**35.96N–.06**	**27.14E–.08**	**62–14**		**34**	**0-2**
ISK	VII	27 02 28 18.0	35.89N	27.10E	20	3.2		¶11514525
ATH	VII	27 02 28 19.9	36.09N	27.05E	31–2	2.9		
NEIC	VII	27 02 28 19.9	36.09N	27.05E	31	2.9		
CSEM	VII	27 02 28 20.8–.34	36.02N	27.11E	24–3	2.9		

ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=1.1km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=6.0km az=130.0.

ISC	**VIII**	**01 11 29 44.3–.54**	**36.98N–.03**	**28.11E–.04**	**9–6**		**38**	**0-3**
ATH	VIII	01 11 29 38.6	36.83N	29.03E	54–21	3.2		¶11525230
ISCJB	VIII	01 11 29 43.9–.58	36.98N–.05	28.10E–.04	10–7	3.2		
ISK	VIII	01 11 29 43.7	36.99N	28.11E	6	2.9		
NEIC	VIII	01 11 29 43.0	37.04N	28.07E	5	3.2,2.7		
CSEM	VIII	01 11 29 44.2–.27	37.00N	28.11E	10	2.9,2.7		

ISC Event type ke.
ATH Error ellipse: s-maj=14.1km s-min=8.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=5.0km az=150.8.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=142.0.

ISC	**VIII**	**01 13 13 36.1–.68**	**37.80N–.03**	**26.88E–.05**	**9–6**		**45**	**0-2**
ISCJB	VIII	01 13 13 35.5–.71	37.80N–.03	26.88E–.05	3–7			¶11525232
CSEM	VIII	01 13 13 35.8–.19	37.80N	26.89E	8	3.0		
ISK	VIII	01 13 13 35.6	37.80N	26.93E	10	2.8		
DDA	VIII	01 13 13 36.4	37.85N	26.94E	7–5	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.0km az=164.5.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=80.0.

THE	**VIII**	**03 21 14 11.6**	**36.48N**	**25.49E**	**7–1**			
CSEM	VIII	03 21 14 11.6	36.48N	25.49E	7			¶13563465

THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.1km az=220.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.

ISC	**VIII**	**05 11 50 19.3–.45**	**37.63N–.02**	**26.60E–.03**	**5–4**		**88**	**1-3**
CSEM	VIII	05 11 50 18.9–.20	37.62N	26.61E	2	3.2		¶11525258
DDA	VIII	05 11 50 18.9	37.67N	26.63E	7–4	3.2		
ISK	VIII	05 11 50 18.1	37.61N	26.61E	3	3.0		
THE	VIII	05 11 50 19.3	37.66N	26.60E	4–3	3.3L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=67.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.0km az=88.0.

CSEM	**VIII**	**06 00 21 44.8–.33**	**36.88N**	**28.22E**	**2**	**2.8**		
ISK	VIII	06 00 21 45.9	36.95N	28.12E	6	2.8		¶11525262
DDA	VIII	06 00 21 45.5	36.94N	28.08E	7–1	2.5		

CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=167.0.

ISC	**VIII**	**06 17 19 04.5–1.1**	**35.84N–.08**	**27.91E–.09**	**10–7**		**36**	**0-3**
ISCJB	VIII	06 17 19 03.5–1.1	35.83N–.07	27.95E–.09	7–7			¶12099726
NEIC	VIII	06 17 19 03.9	36.13N	27.62E	12	3.1		
ATH	VIII	06 17 19 03.9	36.13N	27.62E	12–9	3.1		
CSEM	VIII	06 17 19 03.6–.50	35.80N	27.90E	8	3.1		
DDA	VIII	06 17 19 04.7	35.84N	27.99E	6–0	3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.4km s-min=4.8km az=44.3.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=7.4km s-min=5.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=17.8km s-min=5.7km az=135.0.

ISC	**VIII**	**06 18 31 22.2–.91**	**35.80N–.05**	**27.92E–.05**	**5–7**		**47**	**0-4**
DDA	VIII	06 18 31 19.8	35.78N	27.98E	2–2	3.1		¶12099728
CSEM	VIII	06 18 31 21.9–.56	35.77N	27.92E	8	3.1		
NEIC	VIII	06 18 31 22.6	36.06N	27.70E	12	3.1		
ATH	VIII	06 18 31 22.6	36.06N	27.70E	12–3	3.1		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.1km s-min=8.2km az=145.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=3.7km s-min=3.0km az=-1.0.

ISC	**VIII**	**06 23 47 52.3–.84**	**35.79N–.04**	**27.99E–.05**	**1–5**		**67**	**0-3**
NEIC	VIII	06 23 47 49.7	35.74N	28.13E	12	3.3		¶11525282
ATH	VIII	06 23 47 49.7	35.74N	28.13E	12–0	3.3		
ISK	VIII	06 23 47 52.3	35.76N	27.75E	13	3.2		
CSEM	VIII	06 23 47 52.5–.34	35.80N	27.94E	2	3.3		
DDA	VIII	06 23 48 01.7	36.09N	27.80E	7–0	3.2		

ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.7km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.0km az=141.0.

ISC	**VIII**	**07 02 00 20.5–1.0**	**36.95N–.06**	**28.06E–.05**	**27–9**		**24**	**0-1**
ISCJB	VIII	07 02 00 20.4–1.6	36.94N–.06	28.07E–.06	29–17			¶11525285
CSEM	VIII	07 02 00 20.3–.36	36.95N	28.05E	30	2.9		
ISK	VIII	07 02 00 21.6	37.02N	27.97E	20	2.9		
DDA	VIII	07 02 00 22.5	37.02N	27.96E	7–2	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.9km az=19.6.
CSEM Event type ke.

ISC	**VIII**	**07 03 28 39.6–.37**	**36.48N–.03**	**27.71E–.03**	**79–6**		**137**	**0-10**
ISCJB	VIII	07 03 28 38.3–.34	36.46N–.03	27.72E–.03	89–5			¶11525288
ATH	VIII	07 03 28 38.8	36.49N	27.69E	89–2			
ISK	VIII	07 03 28 38.8	36.52N	27.66E	73	3.2		
NEIC	VIII	07 03 28 39.0	36.64N	27.60E	83	3.2		
CSEM	VIII	07 03 28 39.2–.18	36.49N	27.71E	90–4	3.2		
DDA	VIII	07 03 28 41.2	36.62N	28.05E	8–3	3.1		
HLW	VIII	07 03 28 42.1	36.18N	27.76E	35–46	3.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=136.9.
ATH Error ellipse: s-maj=2.0km s-min=0.9km az=-1.0.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=118.0.

DDA	**VIII**	**10 02 33 55.2**	**36.86N**	**27.50E**	**6–4**	**2.6**		
CSEM	VIII	10 02 33 54.3–.73	36.86N	27.72E	2	2.6		¶13827154

CSEM Event type ke. Error ellipse: s-maj=15.3km s-min=13.9km az=174.0.

ISC	**VIII**	**11 09 49 14.2–.44**	**36.94N–.02**	**27.60E–.03**	**9–3**		**84**	**0-2**
ISK	VIII	11 09 49 13.4	36.97N	27.62E	6	2.9		¶11525333
CSEM	VIII	11 09 49 13.9–.16	36.93N	27.61E	10	2.9		
DDA	VIII	11 09 49 13.8	36.95N	27.61E	25–1	2.9		
ISCJB	VIII	11 09 49 13.8–.43	36.95N–.02	27.60E–.03	9–3	2.9		
NEIC	VIII	11 09 49 14.1	36.90N	27.58E	29	3.0		
ATH	VIII	11 09 49 14.1	36.90N	27.58E	29–6	3.0		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=173.4.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=3.2km s-min=8.5km az=-1.0.

ISC	**VIII**	**13 18 19 20.5–.63**	**35.91N–.04**	**27.88E–.05**	**45–13**		**58**	**0-3**
ATH	VIII	13 18 19 17.9	35.69N	28.06E	32–3	3.3		¶11525370
NEIC	VIII	13 18 19 17.9	35.69N	28.06E	32	3.3		
ISK	VIII	13 18 19 19.0	35.96N	27.70E	24	2.9		
ISCJB	VIII	13 18 19 20.2–.68	35.92N–.04	27.86E–.06	46–13	2.9		
CSEM	VIII	13 18 19 21.3–.30	36.00N	27.75E	40	3.3		
DDA	VIII	13 18 19 22.9	36.37N	28.30E	7–10	3.3		

ISC Event type ke.
ATH Error ellipse: s-maj=3.9km s-min=1.2km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.0km az=35.5.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=5.3km az=128.0.

ISC	**VIII**	**14 09 18 06.2–.51**	**36.45N–.03**	**26.88E–.04**	**115–7**		**94**	**1-11**
ISCJB	VIII	14 09 18 05.1–.46	36.44N–.03	26.88E–.04	120–6			¶12099930
ATH	VIII	14 09 18 07.8	36.54N	26.69E	39–7	3.6		
NEIC	VIII	14 09 18 07.8	36.54N	26.69E	39	3.6		
CSEM	VIII	14 09 18 08.8–.24	36.51N	26.70E	30	3.6		
HLW	VIII	14 09 18 09.6	36.15N	27.03E	33–28	3.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.4km az=156.1.
ATH Error ellipse: s-maj=1.7km s-min=1.3km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.6km az=139.0.

ISC	**VIII**	**16 00 35 03.6–.39**	**36.96N–.02**	**27.79E–.03**	**10–3**		**99**	**0-4**
NEIC	VIII	16 00 35 01.9	36.96N	28.19E	42	3.6		¶11525410
ATH	VIII	16 00 35 01.9	36.96N	28.19E	42–7	3.6		
ISK	VIII	16 00 35 02.7	36.98N	27.77E	12	3.2		
DDA	VIII	16 00 35 02.9	36.97N	27.71E	30–2	3.1		
THE	VIII	16 00 35 02.6	36.91N	27.82E	1–0	3.6L		
CSEM	VIII	16 00 35 03.4–.16	36.96N	27.79E	10	3.1		
ISCJB	VIII	16 00 35 03.3–.44	36.95N–.02	27.78E–.03	11–3	3.1		

ISC Event type ke.
NEIC Event type se. After ATH.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**VIII**	**17 01 46 36.3–.72**	**35.60N–.07**	**27.28E–.06**	**8–5**		**49**	**0-3**
ISCJB	VIII	17 01 46 35.7–.73	35.63N–.06	27.26E–.05	6–6			¶12099997
ATH	VIII	17 01 46 35.4	35.61N	27.26E	19–1	3.4		
NEIC	VIII	17 01 46 35.4	35.61N	27.26E	19	3.4		
CSEM	VIII	17 01 46 35.7–.46	35.48N	27.37E	15	3.4		
DDA	VIII	17 01 46 36.0	35.70N	27.37E	16–1	2.7		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=4.6km az=146.3.
ATH Error ellipse: s-maj=2.9km s-min=1.7km az=-1.0.

NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=16.7km s-min=6.1km az=148.0.
ISC VIII 17 03 14 31.1–.90 35.25N–.05 27.13E–.04 0–6 78 0-5
ATH VIII 17 03 14 30.2 35.20N 27.16E 5–4 3.5 ¶11525445
ISCJB VIII 17 03 14 30.7–.90 35.23N–.05 27.15E–.04 2–6 3.5
NEIC VIII 17 03 14 30.3 35.20N 27.16E 5 3.5
ISK VIII 17 03 14 30.9 35.25N 27.08E 10 3.4
CSEM VIII 17 03 14 31.2–.41 35.26N 27.11E 2–0 3.5
DDA VIII 17 03 14 32.5 35.38N 27.44E 7–1 3.5
ISC Event type ke.
ATH Error ellipse: s-maj=2.0km s-min=1.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.3km az=152.8.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=4.7km az=154.0.
ISC VIII 17 20 54 19.2–.52 36.44N–.02 27.09E–.03 7–4 94 0-4
DDA VIII 17 20 54 18.8 36.42N 27.28E 11–3 3.1 ¶11525479
ISCJB VIII 17 20 54 18.7–.55 36.43N–.02 27.11E–.03 5–4 3.1
ISK VIII 17 20 54 18.5 36.46N 27.13E 2 3.4
THE VIII 17 20 54 19.8 36.51N 27.23E 15–0 2.8L
ATH VIII 17 20 54 19.5 36.33N 27.33E 76–3 2.8L
CSEM VIII 17 20 54 19.0–.12 36.44N 27.10E 5 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=34.5.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=18.0.
ATH Error ellipse: s-maj=1.2km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=139.0.
ISC VIII 17 22 55 58.2–.64 36.74N–.04 26.47E–.03 145–7 88 1-8
DDA VIII 17 22 55 53.4 36.52N 26.08E 16–6 3.4 ¶11525485
CSEM VIII 17 22 55 57.4–.31 36.73N 26.48E 154–4 3.4
ISCJB VIII 17 22 55 57.5–.60 36.74N–.04 26.46E–.03 147–7 3.4
THE VIII 17 22 55 59.9 36.75N 26.50E 163–7 2.7L
HLW VIII 17 22 55 59.9 36.42N 26.82E 19–36 3.0L
ISK VIII 17 22 56 01.9 36.91N 26.58E 106 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=163.2.
THE Event type ke. Error ellipse: s-maj=7.2km s-min=1.4km az=100.0.
ISC VIII 18 16 20 34.2–.49 36.79N–.02 28.01E–.03 11–4 93 0-4
NEIC VIII 18 16 20 32.8 36.81N 28.11E 29 3.4 ¶11525519
ATH VIII 18 16 20 32.8 36.81N 28.11E 29–7 3.4
DDA VIII 18 16 20 33.1 36.79N 28.09E 16–1 3.2
ISCJB VIII 18 16 20 33.6–.47 36.80N–.02 27.99E–.03 10–4 3.2
CSEM VIII 18 16 20 33.5–.19 36.81N 28.00E 5 3.3
ISK VIII 18 16 20 34.0 36.90N 27.98E 9 3.3
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=4.6km s-min=16.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.8km az=5.2.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=179.0.
ISC VIII 18 16 23 58.0–.64 36.77N–.04 28.10E–.03 10 41 0-1
ISCJB VIII 18 16 23 57.9–.61 36.80N–.04 28.09E–.03 10 ¶11525520
DDA VIII 18 16 23 57.9 36.80N 28.09E 10–2 2.8
ISK VIII 18 16 23 57.2 36.81N 28.08E 21 2.2L
CSEM VIII 18 16 23 57.7–.21 36.78N 28.10E 8 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=1.8.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=3.0.
ISC VIII 18 16 59 24.5–2.1 36.68N–.07 28.27E–.05 10–50 26 0-1
CSEM VIII 18 16 59 24.7–.67 36.70N 28.27E 8 2.1L ¶11525522
ISK VIII 18 16 59 27.4 36.86N 28.07E 24 2.1L
DDA VIII 18 16 59 28.5 36.81N 28.10E 7–1 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.6km s-min=7.0km az=168.0.
ISC VIII 18 22 56 46.2–.66 36.82N–.04 28.06E–.04 18–8 34 0-1
ISK VIII 18 22 56 43.8 36.80N 28.10E 29 1.9L ¶11525525
ISCJB VIII 18 22 56 45.6–.65 36.81N–.04 28.07E–.03 13–10 1.9L
CSEM VIII 18 22 56 45.4–.26 36.79N 28.08E 8 1.9L
DDA VIII 18 22 56 45.4 36.82N 28.07E 7–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=4.6km az=176.9.
CSEM Event type ke.
ISC VIII 19 14 43 17.1–.12 35.74N–.01 28.00E–.01 64–2 4.2b 878 0-84
SZGRF VIII 19 14 43 03.7 35.32N 29.12E 10 4.4b ¶13932182
MOS VIII 19 14 43 08.2–1.2 35.16N 28.03E 33 4.4b
ISK VIII 19 14 43 13.1 35.64N 27.85E 25 4.5L
DDA VIII 19 14 43 15.6 35.80N 27.97E 57–6 4.4L
ISCJB VIII 19 14 43 15.4–.14 35.72N–.01 28.02E–.01 70–2 4.2b
TEH VIII 19 14 43 15.1 35.74N 28.09E 60 4.2b
IDC VIII 19 14 43 16.1–1.9 35.90N 27.91E 39–18 4.1,4.0L
ATH VIII 19 14 43 16.9 35.88N 27.95E 54–0 4.2L,4.0L
NEIC VIII 19 14 43 16.9 35.88N 27.95E 54 4.3b,4.0L
HLW VIII 19 14 43 17.4 35.71N 28.16E 37–59 4.3L,4.0L
CSEM VIII 19 14 43 17.1–.07 35.75N 27.99E 60 4.2b,3.9W
NIC VIII 19 14 43 17.9–.10 35.94N 28.17E 60 4.6b,4.2L
THE VIII 19 14 43 19.2 35.89N 27.94E 32–3 4.5L,4.2L
GII VIII 19 14 43 21.5–.00 35.30N 28.61E 1–0 4.3b,4.2
NSSC VIII 19 14 43 35 35.62N 29.72E 40 4.3b,4.2
ISC Event type fe.
SZGRF Eastern Mediterranean Sea.
MOS Error ellipse: s-maj=7.7km s-min=2.8km az=118.6.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=31.4.
IDC Error ellipse: s-maj=16.1km s-min=12.6km az=3.0.
ATH Error ellipse: s-maj=0.5km s-min=0.3km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=34.0.
NIC Moment Tensor Solution. $M_0$4.90000×10^{14}
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.6km az=88.0.
GII Event type ke.
NSSC Event type fe.
ISC VIII 19 22 54 32.1–.73 36.39N–.03 27.03E–.05 6–7 56 1-2
CSEM VIII 19 22 54 32.3–.19 36.39N 27.05E 8 2.2L ¶11525548
NEIC VIII 19 22 54 32.6 36.40N 27.13E 45 3.0,2.8
ISK VIII 19 22 54 32.7 36.45N 27.11E 8 2.2L,2.8
ATH VIII 19 22 54 32.6 36.40N 27.13E 45 2.8,2.8
ISCJB VIII 19 22 54 33.0–.60 36.39N–.03 27.07E–.05 18–9 2.8,2.8
DDA VIII 19 22 54 38.0 36.54N 27.23E 5–0 2.9,2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=120.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=13.8.
ISC VIII 20 01 15 36.8–.81 35.86N–.04 28.00E–.06 49–13 52 0-2
ATH VIII 20 01 15 36.7 36.21N 27.50E 16–2 2.9 ¶11525549
ISCJB VIII 20 01 15 36.3–.83 35.86N–.04 28.00E–.06 52–11 2.9
NEIC VIII 20 01 15 36.7 36.21N 27.50E 16 2.9
CSEM VIII 20 01 15 37.0–.48 35.83N 27.96E 40 2.9
ISK VIII 20 01 15 39.2 36.01N 27.58E 30 2.6L
DDA VIII 20 01 15 41.8 36.30N 27.82E 8–6 3.1
ISC Event type ke.
ATH Error ellipse: s-maj=2.8km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.4km az=42.6.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=7.9km az=135.0.
ISC VIII 20 08 58 30.1–1.5 36.5N–.10 26.9E–.10 44–35 31 1-2
CSEM VIII 20 08 58 26.8–1.0 36.39N 26.87E 10 2.5L ¶11525551
ISCJB VIII 20 08 58 29.6–1.6 36.5N–.10 26.9E–.10 44–36 2.5L
DDA VIII 20 08 58 29.9 36.55N 26.84E 7–6 2.8
ISK VIII 20 08 58 29.4 36.66N 26.78E 7 2.5L
ATH VIII 20 08 58 36.8 37.10N 26.42E 33–6 3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=22.5km s-min=13.1km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=21.6km s-min=14.5km az=20.2.
ATH Error ellipse: s-maj=5.9km s-min=4.6km az=-1.0.
ISC VIII 21 00 36 26.0–.56 36.41N–.03 27.06E–.04 15–5 56 1-3
DDA VIII 21 00 36 24.3 36.46N 26.91E 4–6 2.7 ¶12100113
ISCJB VIII 21 00 36 25.2–.56 36.42N–.03 27.05E–.04 14–5 2.7
CSEM VIII 21 00 36 25.3–.22 36.35N 27.15E 10 2.7
ATH VIII 21 00 36 26.3 36.39N 27.08E 32–3 3.5
NEIC VIII 21 00 36 26.3 36.39N 27.08E 32 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=123.0.
ATH Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
ATH VIII 21 00 44 40.9 36.42N 27.05E 33–7 3.5
CSEM VIII 21 00 44 40.9 36.42N 27.05E 33 3.5 ¶12100114
NEIC VIII 21 00 44 40.9 36.42N 27.05E 33 3.5
ATH Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
NEIC Event type se. After ATH.
ISC VIII 21 04 51 58.7–.72 36.42N–.03 27.03E–.06 11–7 57 1-3
ISCJB VIII 21 04 51 57.9–.73 36.42N–.03 27.03E–.05 8–7 ¶11525570
ATH VIII 21 04 51 57.8 36.45N 27.04E 23–3 3.5
ISK VIII 21 04 51 57.1 36.39N 27.06E 3 2.5L
NEIC VIII 21 04 51 57.8 36.45N 27.04E 23 3.5
CSEM VIII 21 04 51 58.3–.22 36.39N 27.08E 10 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.6km az=18.7.
ATH Error ellipse: s-maj=1.2km s-min=2.0km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.7km az=127.0.
ISC VIII 21 04 53 58.3–.81 36.45N–.04 27.11E–.05 27–8 52 0-3
ATH VIII 21 04 53 55.7 36.49N 27.04E 15–3 3.4 ¶11525571
NEIC VIII 21 04 53 55.7 36.49N 27.04E 15 3.4
ISK VIII 21 04 53 55.5 36.41N 27.05E 5 2.3L
ISCJB VIII 21 04 53 58.0–.74 36.44N–.04 27.08E–.05 27–8 2.3L
CSEM VIII 21 04 53 57.5–.27 36.45N 27.13E 20 2.3L
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=6.1km az=158.9.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=5.6km az=126.0.
ISC VIII 21 10 07 19.0–.79 36.43N–.02 26.95E–.06 1–8 66 1-3
DDA VIII 21 10 07 17.6 36.33N 27.05E 9–3 3.0 ¶11525573
ATH VIII 21 10 07 18.8 36.42N 26.97E 16–1 3.6
NEIC VIII 21 10 07 18.8 36.42N 26.97E 16 3.6
ISK VIII 21 10 07 18.8 36.47N 27.05E 5 2.4L
CSEM VIII 21 10 07 19.2–.21 36.42N 27.04E 10 2.4L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.1km az=123.0.
ATH VIII 21 11 42 45.6 36.38N 27.09E 36–4 3.5
NEIC VIII 21 11 42 45.6 36.38N 27.09E 36 3.5 ¶12100126
CSEM VIII 21 11 42 45.6 36.38N 27.09E 36 3.5
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VIII 21 14 08 15.2–.41 36.82N–.02 28.05E–.03 15–3 115 0-3
THE VIII 21 14 08 13.4 36.85N 28.20E 4–8 3.6L ¶11525577
NEIC VIII 21 14 08 14.0 36.89N 28.01E 15 3.3,3.2
ISK VIII 21 14 08 14.9 36.87N 28.02E 15 3.2,3.2
ATH VIII 21 14 08 14.0 36.82N 28.01E 23–1 3.2,3.2
DDA VIII 21 14 08 14.2 36.80N 28.11E 7–2 3.3,3.2
CSEM VIII 21 14 08 15.0–.12 36.82N 28.04E 15 3.2,3.2
ISCJB VIII 21 14 08 15.3–.39 36.81N–.02 28.03E–.03 21–4 3.2,3.2
ISC Event type ke.
THE Event type ke.
NEIC Event type se. After ISK.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 21 22 30 41.4–.27 36.83N–.02 28.31E–.02 64–5 193 0-13
ISCJB VIII 21 22 30 40.0–.25 36.82N–.02 28.31E–.02 77–4 ¶11525585
CSEM VIII 21 22 30 40.8–.13 36.83N 28.32E 80–0 3.4
DDA VIII 21 22 30 40.1 36.84N 28.37E 7–6 3.2
ISK VIII 21 22 30 40.6 36.90N 28.26E 66 3.4
NEIC VIII 21 22 30 41.2 36.93N 28.29E 30 3.6L,3.4
ATH VIII 21 22 30 41.1 36.87N 28.24E 64–1 3.6L,3.4
THE VIII 21 22 30 43.3 36.93N 28.18E 19–5 3.6L,3.4
HLW VIII 21 22 30 47.5 36.23N 28.50E 35–44 2.9L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=170.1.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.6km az=27.0.
NEIC Event type se. After ISK.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=6.6km s-min=1.0km az=89.0.
ISC VIII 22 11 53 22.1–.63 36.95N–.04 26.55E–.04 7–6 45 1-3
DDA VIII 22 11 53 18.8 36.90N 26.38E 7–7 3.0 ¶11525597
ISK VIII 22 11 53 20.9 37.02N 26.54E 5 3.2
ISCJB VIII 22 11 53 21.2–.66 36.94N–.04 26.54E–.04 2–7 3.2
CSEM VIII 22 11 53 21.1–.49 36.91N 26.52E 12 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.3km az=153.9.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=6.2km az=7.0.
ISC VIII 22 17 57 58.6–.98 35.82N–.04 27.87E–.05 25–8 52 0-4
ISK VIII 22 17 57 57.8 35.86N 27.78E 22 2.7L ¶11525604
ISCJB VIII 22 17 57 58.4–.89 35.82N–.05 27.86E–.05 30–9 2.7L
DDA VIII 22 17 57 58.2 36.03N 28.06E 7–2 3.0
CSEM VIII 22 17 57 59.7–.37 35.90N 27.84E 30 3.0
ATH VIII 22 17 58 00.0 36.10N 27.56E 28–3 3.0
NEIC VIII 22 17 58 00.0 36.10N 27.56E 28 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.0km az=143.3.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=6.4km az=144.0.
ATH Error ellipse: s-maj=3.4km s-min=3.1km az=-1.0.
NEIC Event type se. After ATH.
ISC VIII 23 04 00 50.4–.99 36.15N–.06 28.94E–.06 23–13 65 1-4
ISK VIII 23 04 00 47.8 36.09N 28.85E 23 3.2 ¶11525609
DDA VIII 23 04 00 47.9 36.14N 28.92E 28–2 3.2L,3.0
ATH VIII 23 04 00 50.2 36.18N 28.96E 39–4 3.1,3.0
NEIC VIII 23 04 00 50.2 36.18N 28.96E 39 3.1,3.0
CSEM VIII 23 04 00 51.2–.40 36.15N 29.01E 40 3.1,3.0
ISC Event type ke.
ATH Error ellipse: s-maj=7.2km s-min=1.9km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=6.7km az=165.0.
ISC VIII 23 12 43 21.5–.56 36.94N–.03 26.52E–.03 10–5 76 1-3
DDA VIII 23 12 43 20.0 36.94N 26.45E 7–3 2.6 ¶11525616
NEIC VIII 23 12 43 20.7 37.10N 26.42E 74 2.6
ISCJB VIII 23 12 43 20.7–.59 36.93N–.03 26.51E–.03 6–5 2.6
ATH VIII 23 12 43 20.7 37.10N 26.42E 74–1 2.6
ISK VIII 23 12 43 21.8 36.98N 26.62E 15 2.3L
CSEM VIII 23 12 43 21.3–.16 36.95N 26.52E 10 2.3L
ISC Event type ke.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.1km az=141.4.
ATH Error ellipse: s-maj=0.4km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.2km az=141.0.
ATH VIII 23 12 46 21.1 36.57N 27.10E 36–6 2.9
NEIC VIII 23 12 46 21.1 36.57N 27.10E 36 2.9 ¶12100178
CSEM VIII 23 12 46 21.1 36.57N 27.10E 36 2.9
ATH Error ellipse: s-maj=1.7km s-min=2.2km az=-1.0.

NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VIII 23 14 26 28.7–.48 36.92N–.02 27.50E–.04 5–4 54 0-2
ATH VIII 23 14 26 26.1 36.98N 27.73E 90–5 **¶11525618**
DDA VIII 23 14 26 27.7 36.92N 27.56E 6–4 3.0
ISK VIII 23 14 26 27.1 36.95N 27.54E 2 3.0
ISCJB VIII 23 14 26 28.3–.47 36.93N–.02 27.53E–.04 5–5 3.0
CSEM VIII 23 14 26 28.3–.17 36.93N 27.51E 5 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.6km az=164.8.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=70.0.
ISC VIII 24 04 16 54.7–.75 36.08N–.05 27.53E–.06 2–7 56 0-3
DDA VIII 24 04 16 52.6 36.08N 28.15E 7–1 3.0 **¶12100196**
ISCJB VIII 24 04 16 54.4–.69 36.05N–.04 27.56E–.06 6–6 3.0
ATH VIII 24 04 16 54.3 36.05N 27.63E 26–2 3.4
NEIC VIII 24 04 16 54.3 36.05N 27.63E 26 3.4
CSEM VIII 24 04 16 54.0–.42 36.02N 27.58E 2 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.0km az=40.0.
ATH Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=14.8km s-min=6.0km az=132.0.
ISC VIII 25 02 15 51.4–.45 36.74N–.04 26.25E–.03 6–7 55 1-2
ATH VIII 25 02 15 48.0 36.74N 25.78E 92–4 **¶11525649**
ISK VIII 25 02 15 49.7 36.76N 26.24E 6 2.1L
ISCJB VIII 25 02 15 50.7–.45 36.73N–.04 26.26E–.03 3–8 2.1L
THE VIII 25 02 15 51.7 36.76N 26.16E 0–2 2.4L
CSEM VIII 25 02 15 51.0–.17 36.76N 26.24E 10 2.4L
DDA VIII 25 02 15 51.7 36.78N 26.22E 7–6 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.3km az=158.5.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=27.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=2.8km az=162.0.
ISC VIII 25 13 50 45.5–.77 36.72N–.05 28.21E–.05 7–8 31 0-1
ATH VIII 25 13 50 42.7 36.64N 28.73E 44–0 3.0 **¶11525663**
ISCJB VIII 25 13 50 45.0–.82 36.72N–.04 28.22E–.05 2–10 3.0
ISK VIII 25 13 50 44.6 36.71N 28.20E 9 2.9L
CSEM VIII 25 13 50 45.4–.28 36.74N 28.21E 10 2.9L
ISC Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.0km az=150.3.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.8km az=131.0.
ISC VIII 25 23 35 47.8–.28 36.70N–.02 28.30E–.02 68–5 211 0-10
ISCJB VIII 25 23 35 46.4–.26 36.69N–.02 28.30E–.02 80–4 **¶11525680**
DDA VIII 25 23 35 47.5 36.76N 28.30E 52–6 3.2
ATH VIII 25 23 35 47.0 36.70N 28.26E 72–1 3.2
CSEM VIII 25 23 35 47.7–.13 36.69N 28.31E 70–3 3.2
ISK VIII 25 23 35 47.5 36.72N 28.25E 62 3.2
NEIC VIII 25 23 35 48.0 36.69N 28.28E 31 3.0
THE VIII 25 23 35 50.0 36.74N 28.23E 49–3 3.2L
HLW VIII 25 23 35 51.8 36.26N 28.35E 36–39 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=17.2.
ATH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=101.0.
NEIC Event type se. After ISK.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.7km az=117.0.
ISC VIII 26 16 33 00.7–.51 37.28N–.03 26.91E–.03 1–4 76 0-3
ISK VIII 26 16 32 59.2 37.29N 26.86E 6 3.1 **¶11525711**
ATH VIII 26 16 33 00.3 37.24N 26.91E 14–3 3.0
NEIC VIII 26 16 33 00.3 37.24N 26.91E 14 3.0,2.8
CSEM VIII 26 16 33 00.7–.31 37.28N 26.92E 5 3.0,2.8
DDA VIII 26 16 33 01.7 37.36N 27.06E 16–2 3.0,2.8
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.1km az=51.0.
ISC VIII 27 00 48 10.6–1.5 36.66N–.08 26.87E–.05 2–13 46 1-3
ISCJB VIII 27 00 48 11.0–1.7 36.65N–.07 26.83E–.05 4–13 **¶12100272**
CSEM VIII 27 00 48 11.2–.22 36.60N 26.86E 2 3.0
ATH VIII 27 00 48 11.6 36.70N 26.86E 28–3 3.0
NEIC VIII 27 00 48 11.6 36.70N 26.86E 28 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=6.6km az=164.9.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.8km az=144.0.
ATH Error ellipse: s-maj=1.9km s-min=0.8km az=-1.0.
NEIC Event type se. After ATH.
ISC VIII 27 03 11 33.1–.14 36.21N–.01 27.79E–.02 82–2 3.9b 521 0-65
DDA VIII 27 03 11 31.1 36.24N 27.71E 34–1 3.5 **¶13392713**
ISK VIII 27 03 11 31.6 36.25N 27.71E 68 4.1L
ISCJB VIII 27 03 11 31.8–.15 36.19N–.01 27.81E–.02 87–2 3.9b
NEIC VIII 27 03 11 33.2 36.30N 27.71E 68 4.0b
CSEM VIII 27 03 11 33.2–.07 36.21N 27.79E 85–1 4.1b,3.6W
ATH VIII 27 03 11 33.2 36.30N 27.71E 68–1 3.6L,3.6W
IDC VIII 27 03 11 33.3–1.9 36.13N 27.89E 97–21 3.7,3.6b
NIC VIII 27 03 11 34.8–.10 35.95N 27.88E 50 4.3b,3.8L
THE VIII 27 03 11 35.3 36.30N 27.71E 68–2 3.7L,3.8L
HLW VIII 27 03 11 36.6 35.92N 28.05E 35–50 4.5L,3.8L
GII VIII 27 03 11 38.5–1.9 35.69N 28.02E 32–4 4.2b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=44.9.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=52.0.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=18.2km s-min=13.0km az=57.0.
NIC Moment Tensor Solution. $M_0$2.20000×10^{14}
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=102.0.
GII Event type ke.
ISC VIII 27 19 22 55.4–.95 37.84N–.04 26.96E–.08 10 22 0-1
ISK VIII 27 19 22 53.6 37.83N 26.96E 6 2.5 **¶11525740**
ISCJB VIII 27 19 22 54.9–.92 37.84N–.04 26.98E–.07 10 2.5
CSEM VIII 27 19 22 54.7–.57 37.83N 26.95E 15 2.8
DDA VIII 27 19 22 57.3 37.93N 27.12E 7–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=4.1km az=150.5.
CSEM Event type ke. Error ellipse: s-maj=15.7km s-min=6.9km az=65.0.
ISC VIII 28 01 18 14.8–.77 37.32N–.03 26.96E–.05 2–7 51 0-2
ISK VIII 28 01 18 13.6 37.32N 26.99E 5 3.3 **¶11525747**
DDA VIII 28 01 18 14.5 37.32N 26.98E 7–3 3.1
CSEM VIII 28 01 18 15.0–.38 37.32N 27.00E 2 3.3
ATH VIII 28 01 18 16.9 37.51N 27.19E 5–1 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=4.3km az=55.0.
ATH Error ellipse: s-maj=0.3km s-min=0.8km az=-1.0.
ISC VIII 28 03 37 22.7–.25 35.76N–.02 27.83E–.02 57–9 199 1-11
ISK VIII 28 03 37 18.0 35.72N 27.64E 13 3.5,3.5L **¶11525751**
DDA VIII 28 03 37 20.9 35.85N 27.83E 30–3 3.3,3.5L
ISCJB VIII 28 03 37 21.2–.24 35.73N–.02 27.85E–.03 73–7 3.3,3.5L
CSEM VIII 28 03 37 22.6–.11 35.75N 27.84E 60 3.5,3.5L
ATH VIII 28 03 37 23.3 35.86N 27.75E 47–2 3.5,3.5L
NEIC VIII 28 03 37 23.3 35.86N 27.75E 47 3.5,3.5L
HLW VIII 28 03 37 24.5 35.56N 28.04E 35–34 3.3L,3.5L
THE VIII 28 03 37 24.5 35.90N 27.64E 13–3 3.3L,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=138.5.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=112.0.
ATH Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.5km az=95.0.

ISC VIII 29 16 36 45.2–.87 35.68N–.06 27.48E–.06 16–6 52 0-2
ISCJB VIII 29 16 36 43.0–1.5 35.69N–.06 27.48E–.06 1–11 **¶11525782**
ATH VIII 29 16 36 43.2 35.42N 27.60E 19–2 3.4
NEIC VIII 29 16 36 43.2 35.42N 27.60E 19 3.4
ISK VIII 29 16 36 43.4 35.53N 27.36E 32 3.3
CSEM VIII 29 16 36 45.4–.30 35.70N 27.42E 20 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=4.1km az=143.1.
ATH Error ellipse: s-maj=3.9km s-min=2.6km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=4.7km az=139.0.
ISC VIII 30 15 08 49.8–.39 37.88N–.01 26.62E–.02 6–3 227 0-4
ISK VIII 30 15 08 48.7 37.89N 26.63E 5 3.5 **¶11525788**
ISCJB VIII 30 15 08 49.0–.43 37.89N–.01 26.62E–.02 4–3 3.5
ATH VIII 30 15 08 49.3 37.88N 26.65E 24–0 3.0L
NEIC VIII 30 15 08 49.3 37.88N 26.65E 24 3.0L
CSEM VIII 30 15 08 49.1–.13 37.88N 26.59E 2 3.0L
DDA VIII 30 15 08 49.3 37.90N 26.69E 27–1 3.5
THE VIII 30 15 08 49.2 37.91N 26.66E 0–1 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=167.2.
ATH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=84.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=121.0.
ISC VIII 31 23 28 35.5–.94 36.90N–.05 27.58E–.07 7–11 24 0-1
ISK VIII 31 23 28 34.1 36.93N 27.55E 20 1.7L **¶11525802**
ISCJB VIII 31 23 28 35.2–.96 36.91N–.05 27.57E–.07 9–8 1.7L
CSEM VIII 31 23 28 35.2–.23 36.91N 27.58E 8 1.7L
DDA VIII 31 23 28 35.0 36.91N 27.59E 7–2 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=8.0km az=151.4.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=133.0.
ISC IX 02 04 51 38.9–.40 37.01N–.02 26.43E–.02 15–3 3.7b 159 1-42
DDA IX 02 04 51 36.6 37.05N 26.39E 5–3 4.3L **¶11909259**
NEIC IX 02 04 51 37.5 36.98N 26.47E 27 3.9L
IDC IX 02 04 51 37.4–1.4 36.67N 26.57E 0 3.5b,3.4
ATH IX 02 04 51 37.5 36.98N 26.47E 27–1 3.9L,3.4
THE IX 02 04 51 38.8 37.05N 26.43E 10–2 3.6L,3.4
CSEM IX 02 04 51 38.9–.13 37.01N 26.43E 15 3.6L,3.4
ISCJB IX 02 04 51 38.0–.40 37.00N–.02 26.42E–.02 14–3 3.7b,3.4
ISC Event type ke.
NEIC Event type se. After ATH.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC IX 04 14 28 51.3–.93 35.43N–.05 27.86E–.05 12–6 66 1-4
ISK IX 04 14 28 48.9 35.41N 27.93E 10 3.3 **¶13856119**
ISCJB IX 04 14 28 50.5–.91 35.44N–.05 27.89E–.05 10–6 3.3
CSEM IX 04 14 28 50.1–.54 35.44N 27.91E 7–0 3.4
ATH IX 04 14 28 51.0 35.31N 27.81E 12–0 3.4
NEIC IX 04 14 28 51.5 35.34N 27.79E 14 3.4,3.4
THE IX 04 14 28 56.3 35.67N 27.55E 0–1 3.4,3.4
DDA IX 04 14 29 01.2 36.41N 28.33E 7–6 3.2,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=5.5km az=159.3.
CSEM Event type ke. Error ellipse: s-maj=15.5km s-min=5.8km az=144.0.
ATH Error ellipse: s-maj=0.5km s-min=0.4km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=1.7km az=147.0.
ISC IX 04 19 53 50.4–.74 35.85N–.04 27.96E–.05 49–12 55 0-4
ISK IX 04 19 53 47.0 35.70N 27.76E 29 3.0 **¶11660551**
ATH IX 04 19 53 48.3 35.70N 28.09E 31–17 3.2
ISCJB IX 04 19 53 49.7–.77 35.86N–.05 27.97E–.05 55–9 3.2
DDA IX 04 19 53 49.8 36.09N 28.16E 10–3 3.2
CSEM IX 04 19 53 51.1–.31 35.92N 27.87E 40 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=10.9km s-min=7.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.8km az=144.7.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.7km az=132.0.
ISC IX 06 14 43 04.0–1.1 35.47N–.04 27.46E–.04 9–7 60 1-5
ISK IX 06 14 43 01.4 35.45N 27.03E 10 3.4 **¶11660592**
ISCJB IX 06 14 43 03.0–1.4 35.43N–.04 27.50E–.04 9–10 3.4
THE IX 06 14 43 02.8 35.43N 27.51E 0–2 3.4
CSEM IX 06 14 43 03.1–.29 35.42N 27.46E 8 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.2km az=158.4.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=1.5km az=151.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.4km az=158.0.
ISC IX 11 12 29 57.9–.77 36.40N–.04 28.38E–.04 65–8 57 0-3
ATH IX 11 12 29 46.9 37.28N 27.56E 10 2.9 **¶11660682**
ISK IX 11 12 29 55.8 36.34N 28.28E 76 2.8
DDA IX 11 12 29 56.6 36.59N 28.53E 7–7 3.1
ISCJB IX 11 12 29 57.2–.77 36.40N–.04 28.38E–.04 69–8 3.1
CSEM IX 11 12 29 58.0–.25 36.42N 28.38E 60 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.5km az=168.1.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=5.3km az=4.0.
ISC IX 11 21 12 06.7–.47 36.94N–.03 27.82E–.04 6–6 52 0-2
ATH IX 11 21 12 03.5 37.07N 28.31E 43 2.9 **¶11660699**
DDA IX 11 21 12 05.8 36.93N 27.86E 7–1 3.0
ISK IX 11 21 12 05.0 36.94N 27.81E 5 3.0
CSEM IX 11 21 12 06.1–.12 36.92N 27.83E 2 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=137.0.
ISC IX 12 10 11 23.5–.26 36.41N–.02 26.90E–.03 127–4 3.6b 216 1-42
DDA IX 12 10 11 19.5 36.22N 26.47E 32–5 3.4 **¶11660713**
ISCJB IX 12 10 11 22.5–.25 36.41N–.02 26.90E–.03 132–4 3.6b
NEIC IX 12 10 11 22.7–.73 36.39N 26.77E 117–9 3.4
IDC IX 12 10 11 23.9–2.3 36.33N 26.94E 137–30 3.4b,3.4
CSEM IX 12 10 11 23.0–.16 36.46N 26.83E 131–2 3.4L,3.4
ATH IX 12 10 11 25.8 36.50N 26.69E 27–1 3.1,3.4
ISK IX 12 10 11 26.3 36.68N 26.93E 78 3.4L,3.4
GII IX 12 10 11 27.9–.57 35.96N 27.33E 10–0 3.4L,3.4
HLW IX 12 10 11 27.8 36.03N 27.13E 33–51 4.2L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=18.7.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.7km az=202.0.
IDC Error ellipse: s-maj=20.0km s-min=17.3km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=107.0.
ATH Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0.
GII Error ellipse: s-maj=4.7km s-min=1.4km az=-1.0.
ISC IX 12 10 21 30.7–.43 36.36N–.03 26.08E–.03 127–5 122 1-11
ISCJB IX 12 10 21 29.8–.40 36.36N–.03 26.08E–.03 131–5 **¶11660714**
HLW IX 12 10 21 29.1 36.39N 26.29E 32–50 3.7L,3.4
CSEM IX 12 10 21 30.6–.19 36.35N 26.10E 126–2 2.8L,3.4
ISK IX 12 10 21 30.5 36.16N 26.20E 16 3.2,3.4
ATH IX 12 10 21 31.3 36.40N 26.09E 112–2 3.2,3.4
THE IX 12 10 21 32.5 36.40N 26.05E 131–4 2.8L,3.4
NEIC IX 12 10 21 32.8 36.41N 26.05E 96 3.2,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.2km az=40.3.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=47.0.
ATH Error ellipse: s-maj=0.6km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=1.1km az=117.0.
NEIC Event type se. After ATH.
ISC IX 13 11 36 24.0–.16 35.75N–.02 27.92E–.02 63–3 3.8b 417 0-81
IDC IX 13 11 36 21.1–4.3 35.88N 27.76E 33–37 4.1L,4.0 **¶13394264**
ISK IX 13 11 36 22.7 36.02N 27.77E 15 3.7L,4.0
ISCJB IX 13 11 36 22.3–.17 35.74N–.02 27.95E–.02 68–3 3.7b,4.0
CSEM IX 13 11 36 23.9–.08 35.76N 27.93E 66–2 3.7L,3.6W

ATH	IX	13 11 36 23.7	35.87N	27.82E	61–1	3.7L,3.6W		
HLW	IX	13 11 36 24.5	35.62N	28.00E	32–49	4.3L,4.3		
NEIC	IX	13 11 36 24.3	35.77N	27.95E	32	4.1b,3.9L		
NIC	IX	13 11 36 25.4–.20	35.58N	28.04E	34	4.3b,3.9L		
THE	IX	13 11 36 26.8	35.94N	27.71E	38–2	3.6L,3.9L		
NSSC	IX	13 11 36 46	35.52N	29.92E	40	3.6L,3.9L		
ISC		Event type fe.						
IDC		Error ellipse: s-maj=26.6km s-min=17.7km az=12.0.						
ISCJB		Event type fe. Error ellipse: s-maj=3.0km s-min=2.2km az=30.4.						
CSEM		Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=41.0.						
ATH		Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0.						
NEIC		Event type se. After ATH.						
NIC		Moment Tensor Solution. $M_0$2.10000×10^{14}						
THE		Event type ke. Error ellipse: s-maj=2.8km s-min=0.5km az=116.0.						
NSSC		Event type fe.						
ISC	**IX**	**14 20 04 48.6–.22**	**35.19N–.02**	**27.18E–.02**	**10**	**3.8b,3.4s**	**350**	**0-84**
DDA	IX	14 20 04 41.8	34.83N	26.79E	26–0	4.0,3.4s		¶11660745
IDC	IX	14 20 04 45.3–.72	35.40N	26.99E	0	3.9,3.9b		
ISCJB	IX	14 20 04 46.9–.23	35.14N–.02	27.25E–.02	10	3.8b,3.4s		
ISK	IX	14 20 04 48.0	35.18N	27.11E	19	3.9L,3.4s		
NEIC	IX	14 20 04 51.7–.49	35.30N	27.12E	49–5	3.7b,3.4s		
CSEM	IX	14 20 04 51.6–.10	35.20N	27.18E	40	3.4L,3.4s		
THE	IX	14 20 04 52.2	35.42N	27.02E	2–1	3.6L,3.4s		
ATH	IX	14 20 04 52.8	35.57N	26.95E	26–2	3.7L,3.4s		
SGS	IX	14 20 04 53.7	34.92N	27.35E	19	3.7L,3.4s		
HLW	IX	14 20 04 57.0	34.65N	27.53E	32–35	3.5,2.9L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=18.4km s-min=14.3km az=176.0.						
ISCJB		Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=9.2.						
NEIC		Event type se. Error ellipse: s-maj=8.1km s-min=5.4km az=175.0.						
CSEM		Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=26.0.						
THE		Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=139.0.						
ATH		Error ellipse: s-maj=3.9km s-min=1.2km az=-1.0.						
ISC	**IX**	**14 20 37 41.1–.48**	**35.63N–.04**	**27.14E–.04**	**11–4**		**65**	**0-3**
ISCJB	IX	14 20 37 40.5–.65	35.68N–.03	27.08E–.04	3–6			¶11660747
ATH	IX	14 20 37 40.3	35.66N	27.11E	12–12	3.2		
CSEM	IX	14 20 37 40.9–.21	35.66N	27.09E	5	3.2		
ISK	IX	14 20 37 42.5	35.82N	27.00E	13	3.3		
THE	IX	14 20 37 42.5	35.58N	27.21E	19–7	2.4L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=7.2km s-min=3.8km az=42.5.						
ATH		Error ellipse: s-maj=9.1km s-min=5.8km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=140.0.						
THE		Event type ke. Error ellipse: s-maj=10.2km s-min=1.6km az=121.0.						
ISC	**IX**	**15 20 07 32.2–1.0**	**36.04N–.08**	**27.17E–.09**	**1–12**		**17**	**0-3**
ISCJB	IX	15 20 07 33.2–1.4	36.0N–.10	27.3E–.10	12–16			¶13394399
ATH	IX	15 20 07 34.3	35.82N	27.29E	5–3	3.3		
CSEM	IX	15 20 07 34.3	35.82N	27.29E	5	3.3		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=27.8km s-min=8.2km az=138.1.						
ATH		Error ellipse: s-maj=1.3km s-min=1.0km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.						
ISC	**IX**	**16 06 55 38.7–.39**	**35.85N–.03**	**27.16E–.03**	**69–12**		**123**	**1-12**
ISCJB	IX	16 06 55 37.2–.33	35.83N–.04	27.21E–.03	81–10			¶11660765
CSEM	IX	16 06 55 38.9–.17	35.84N	27.14E	60	3.2L		
ISK	IX	16 06 55 38.8	35.93N	27.07E	29	3.3		
HLW	IX	16 06 55 39.1	35.77N	27.38E	33–50	3.5,3.3L		
THE	IX	16 06 55 40.7	35.97N	27.08E	67–4	3.2L,3.3L		
DDA	IX	16 06 55 43.3	36.18N	27.60E	49–4	3.0,3.3L		
GII	IX	16 06 55 43.7–.00	34.97N	27.43E	0–0	3.0,3.3L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.2km s-min=4.0km az=168.1.						
CSEM		Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=89.0.						
THE		Event type ke. Error ellipse: s-maj=4.4km s-min=0.7km az=81.0.						
GII		Error ellipse: s-maj=3.7km s-min=1.4km az=-1.0.						
ISC	**IX**	**16 18 21 38.4–.47**	**36.27N–.02**	**27.51E–.02**	**7–3**	**3.4b**	**160**	**0-42**
DDA	IX	16 18 21 33.9	36.06N	27.36E	28–2	3.3		¶11660775
IDC	IX	16 18 21 34.7–2.5	37.88N	25.97E	0	3.5b,3.3		
ISK	IX	16 18 21 36.6	36.25N	27.47E	8	3.5,3.3		
ISCJB	IX	16 18 21 37.9–.44	36.28N–.02	27.52E–.02	10–3	3.4b,3.3		
CSEM	IX	16 18 21 37.6–.14	36.26N	27.50E	2	3.7L,3.3		
ATH	IX	16 18 21 37.7	36.34N	27.52E	18–2	3.5,3.3		
THE	IX	16 18 21 38.7	36.36N	27.58E	9–2	3.7L,3.3		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=240.6km s-min=25.1km az=147.0.						
ISCJB		Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=154.2.						
CSEM		Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=166.0.						
ATH		Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=32.0.						
ISC	**IX**	**19 21 04 39.0–.52**	**36.52N–.03**	**25.80E–.03**	**12–4**		**61**	**0-2**
ISCJB	IX	19 21 04 38.5–.52	36.53N–.02	25.81E–.03	11–4			¶13394735
ATH	IX	19 21 04 38.2	36.54N	25.83E	28–1	3.5		
CSEM	IX	19 21 04 38.4–.11	36.52N	25.82E	8	2.3L		
THE	IX	19 21 04 39.2	36.52N	25.77E	3–0	2.3L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=30.5.						
ATH		Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=112.0.						
THE		Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=262.0.						
ISC	**IX**	**19 22 31 44.5–.81**	**36.51N–.03**	**25.83E–.06**	**10–7**		**54**	**0-2**
ISCJB	IX	19 22 31 44.4–.75	36.51N–.03	25.81E–.05	12–6			¶13394740
ATH	IX	19 22 31 44.4	36.52N	25.81E	30–2	3.5		
CSEM	IX	19 22 31 44.1–.21	36.55N	25.84E	10	3.5		
THE	IX	19 22 31 45.5	36.51N	25.70E	21–7	3.5		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=7.0km s-min=4.2km az=7.6.						
ATH		Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.9km s-min=4.5km az=110.0.						
THE		Event type ke. Error ellipse: s-maj=7.9km s-min=0.8km az=242.0.						
ISC	**IX**	**21 08 35 37.2–.69**	**37.40N–.05**	**26.66E–.05**	**28–11**		**20**	**1-1**
DDA	IX	21 08 35 35.7	37.38N	26.63E	7–4	2.6		¶11660852
CSEM	IX	21 08 35 36.4–.20	37.39N	26.62E	20	2.6		
ISCJB	IX	21 08 35 37.2–.68	37.40N–.05	26.66E–.05	29–7	2.6		
ISK	IX	21 08 35 37.5	37.24N	26.62E	5	2.3L		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=177.0.						
ISCJB		Event type ke. Error ellipse: s-maj=8.0km s-min=6.5km az=169.4.						
ISC	**IX**	**21 08 55 39.9–1.2**	**37.02N–.04**	**26.12E–.05**	**20–7**		**32**	**0-3**
CSEM	IX	21 08 55 38.6–.21	36.99N	26.14E	15	3.2		¶13394854
ATH	IX	21 08 55 39.2	37.04N	26.09E	31–1	3.2		
ISCJB	IX	21 08 55 40.4–.85	37.02N–.04	26.09E–.05	31–8	3.2		
ISC		Event type ke.						
CSEM		Event type ke.						
ISCJB		Event type ke.						
ISC	**IX**	**21 09 27 23.7–.48**	**37.43N–.02**	**26.60E–.03**	**5–5**		**63**	**0-3**
ISCJB	IX	21 09 27 22.9–.48	37.43N–.02	26.60E–.03	3–6			¶11660853
ISK	IX	21 09 27 22.8	37.40N	26.63E	15	3.0		
DDA	IX	21 09 27 23.1	37.43N	26.64E	7–6	2.8		
CSEM	IX	21 09 27 23.9–.24	37.40N	26.65E	19–0	3.1		
ATH	IX	21 09 27 24.2	37.51N	26.52E	15–0	3.1		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=158.3.						
CSEM		Event type ke. Error ellipse: s-maj=5.2km s-min=4.3km az=12.0.						
ATH		Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.						
ISC	**IX**	**21 22 39 00.1–.94**	**36.99N–.05**	**28.10E–.03**	**10–48**		**32**	**0-1**
ISK	IX	21 22 38 57.4	37.06N	28.20E	31	2.5		¶11660855
ISCJB	IX	21 22 39 00.6–.69	37.04N–.05	28.07E–.04	10	2.5		
DDA	IX	21 22 39 00.1	37.03N	28.08E	7–3	2.6		
CSEM	IX	21 22 39 00.1–.37	37.03N	28.08E	8	2.5		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.9km s-min=3.8km az=161.9.						
CSEM		Event type ke. Error ellipse: s-maj=9.0km s-min=5.1km az=163.0.						
ISC	**IX**	**24 13 04 34.9–.44**	**36.43N–.03**	**26.59E–.03**	**139–5**		**144**	**1-9**
ISK	IX	24 13 04 33.5	36.30N	26.40E	107	3.2L		¶11660898
ISCJB	IX	24 13 04 34.1–.42	36.42N–.03	26.61E–.03	141–5	3.2L		
ATH	IX	24 13 04 34.8	36.50N	26.49E	137–2	3.2L		
HLW	IX	24 13 04 34.2	36.47N	26.93E	31–44	3.9L,3.6		
CSEM	IX	24 13 04 34.7–.20	36.42N	26.60E	139–3	3.1L,3.6		
DDA	IX	24 13 04 36.5	36.45N	26.45E	43–3	3.4,3.6		
THE	IX	24 13 04 37.2	36.49N	26.55E	155–7	3.1L,3.6		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=158.2.						
ATH		Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=157.0.						
THE		Event type ke. Error ellipse: s-maj=8.0km s-min=1.3km az=146.0.						
ISC	**IX**	**24 16 16 18.9–.23**	**36.68N–.02**	**28.19E–.03**	**76–4**	**3.8b**	**203**	**0-33**
ISCJB	IX	24 16 16 17.4–.23	36.66N–.02	28.20E–.03	88–3	3.8b		¶11660900
CSEM	IX	24 16 16 18.8–.10	36.67N	28.16E	80	3.0		
ISK	IX	24 16 16 19.0	36.81N	28.12E	81	3.6L		
DDA	IX	24 16 16 19.5	36.81N	28.19E	71–1	3.0		
ATH	IX	24 16 16 19.6	36.71N	28.08E	68–5	3.0		
THE	IX	24 16 16 20.2	36.75N	28.22E	70–4	3.6L		
IDC	IX	24 16 16 21.7–3.5	36.58N	28.51E	114–42	3.6b,3.4		
HLW	IX	24 16 16 22.2	36.27N	28.28E	32–48	3.9L,3.7		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=158.4.						
CSEM		Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=68.0.						
ATH		Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.						
THE		Event type ke. Error ellipse: s-maj=4.8km s-min=0.7km az=259.0.						
IDC		Error ellipse: s-maj=34.8km s-min=15.4km az=82.0.						
ISC	**IX**	**25 04 08 04.9–1.3**	**37.42N–.05**	**26.84E–.10**	**29–7**		**30**	**0-2**
ISK	IX	25 04 08 02.2	37.42N	26.70E	2	2.9		¶11660905
CSEM	IX	25 04 08 03.8–.67	37.41N	26.79E	20	2.8		
ISCJB	IX	25 04 08 04.9–1.3	37.42N–.05	26.86E–.10	31–6	2.8		
DDA	IX	25 04 08 06.0	37.52N	26.96E	7–5	2.8		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=14.1km s-min=6.0km az=58.0.						
ISCJB		Event type ke. Error ellipse: s-maj=14.3km s-min=6.9km az=151.9.						
ISC	**IX**	**25 17 05 50.9–.65**	**37.75N–.03**	**26.64E–.04**	**11–5**		**40**	**0-2**
ISK	IX	25 17 05 49.6	37.76N	26.63E	16	2.9		¶11660917
ISCJB	IX	25 17 05 50.2–.65	37.75N–.03	26.63E–.04	10–6	2.9		
ATH	IX	25 17 05 50.8	37.74N	26.69E	18–2	2.9		
CSEM	IX	25 17 05 50.6–.23	37.78N	26.65E	19–0	2.9		
DDA	IX	25 17 05 52.1	37.82N	26.74E	7–4	2.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=145.3.						
ATH		Error ellipse: s-maj=0.7km s-min=1.9km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=63.0.						
ISC	**IX**	**26 06 40 09.5–.35**	**36.09N–.02**	**27.98E–.03**	**74–7**		**105**	**0-9**
CSEM	IX	26 06 40 06.5–.16	36.02N	27.89E	10	3.2L		¶11660922
DDA	IX	26 06 40 08.8	36.13N	28.00E	28–0	3.2		
ISCJB	IX	26 06 40 08.2–.33	36.06N–.03	28.00E–.03	83–6	3.2		
HLW	IX	26 06 40 08.0	36.06N	28.01E	33–39	3.2		
ISK	IX	26 06 40 09.1	36.22N	27.98E	16	3.2L		
ATH	IX	26 06 40 12.4	36.16N	27.72E	43–5	3.5		
ISC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=5.1km s-min=2.9km az=85.0.						
ISCJB		Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=146.3.						
ATH		Error ellipse: s-maj=0.9km s-min=4.3km az=-1.0.						
ISC	**IX**	**26 19 41 28.4–.89**	**36.01N–.04**	**28.65E–.04**	**11–5**		**51**	**0-3**
DDA	IX	26 19 41 26.8	35.91N	28.55E	22–2	3.0		¶11660932
ATH	IX	26 19 41 26.6	36.63N	28.40E	35–4	3.2		
ISCJB	IX	26 19 41 27.5–.89	36.01N–.04	28.61E–.04	4–6	3.2		
CSEM	IX	26 19 41 28.1–.53	36.02N	28.65E	10	3.2		
ISK	IX	26 19 41 29.4	36.13N	28.63E	16	3.2		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=5.5km s-min=7.9km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=6.9km s-min=4.5km az=152.2.						
CSEM		Event type ke. Error ellipse: s-maj=10.7km s-min=5.4km az=8.0.						
ISC	**IX**	**27 10 59 32.5–.65**	**36.59N–.04**	**28.98E–.04**	**16–5**		**47**	**0-3**
ISK	IX	27 10 59 31.6	36.56N	28.98E	17	3.1		¶11660946
ISCJB	IX	27 10 59 32.8–.68	36.58N–.05	28.99E–.04	22–6	3.1		
DDA	IX	27 10 59 32.5	36.64N	29.04E	7–3	3.0		
CSEM	IX	27 10 59 32.3–.29	36.59N	28.99E	17–2	3.1		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=8.3km s-min=5.5km az=21.8.						
CSEM		Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=15.0.						
ISC	**IX**	**28 03 26 10.6–.56**	**36.20N–.04**	**28.00E–.04**	**12–4**		**41**	**0-2**
ISK	IX	28 03 26 07.0	36.09N	28.00E	7	2.6L		¶11660954
ATH	IX	28 03 26 08.9	36.23N	28.09E	26–1	3.2		
ISCJB	IX	28 03 26 09.9–.57	36.20N–.04	28.00E–.04	11–5	3.2		
CSEM	IX	28 03 26 09.5–.45	36.20N	28.00E	10	3.2		
DDA	IX	28 03 26 15.0	36.47N	28.18E	7–7	3.0		
ISC		Event type ke.						
ATH		Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=7.0km s-min=4.6km az=144.4.						
CSEM		Event type ke. Error ellipse: s-maj=12.0km s-min=9.0km az=163.0.						
ISC	**IX**	**29 03 43 38.0–.87**	**36.93N–.05**	**27.87E–.06**	**10**		**19**	**0-1**
ISCJB	IX	29 03 43 36.7–.80	36.92N–.05	27.93E–.05	10			¶11660974
CSEM	IX	29 03 43 36.8–.56	36.91N	27.94E	10	1.6L		
ISK	IX	29 03 43 37.5	37.01N	27.75E	5	1.6L		
DDA	IX	29 03 43 39.6	36.97N	27.85E	7–2	3.0		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=6.9km s-min=5.4km az=153.4.						
CSEM		Event type ke. Error ellipse: s-maj=12.8km s-min=9.9km az=171.0.						
ISC	**IX**	**30 12 30 07.1–.81**	**35.66N–.07**	**27.57E–.06**	**16–8**		**50**	**0-3**
ISCJB	IX	30 12 30 06.4–.83	35.68N–.07	27.61E–.06	12–9			¶11661000
CSEM	IX	30 12 30 06.0–.51	35.70N	27.63E	2	3.2		
ATH	IX	30 12 30 06.3	35.54N	27.64E	6–0	3.2		
ISK	IX	30 12 30 12.1	36.09N	27.94E	8	3.3		
DDA	IX	30 12 30 24.4	36.79N	27.93E	13–5	3.2		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=13.1km s-min=6.7km az=154.8.						
CSEM		Event type ke. Error ellipse: s-maj=18.2km s-min=8.1km az=145.0.						
ATH		Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.						
ISC	**IX**	**30 20 36 55.6–.36**	**36.69N–.02**	**28.31E–.03**	**53–8**		**92**	**0-9**
HLW	IX	30 20 36 53.6	36.63N	28.22E	27–70	3.1L		¶11661005
DDA	IX	30 20 36 54.5	36.72N	28.30E	57–1	3.1L		
ISCJB	IX	30 20 36 54.7–.40	36.70N–.03	28.29E–.03	62–7	3.1L		
ATH	IX	30 20 36 55.2	36.73N	28.22E	54–23	3.4		
ISK	IX	30 20 36 55.1	36.89N	28.34E	19	3.3		
CSEM	IX	30 20 36 55.3–.16	36.67N	28.34E	48–6	3.3		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=4.4km s-min=4.0km az=152.0.						
ATH		Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=3.8km s-min=3.6km az=37.0.						
ISC	**X**	**01 22 10 53.3–.72**	**36.68N–.03**	**27.98E–.03**	**8–5**		**77**	**0-4**
DDA	X	01 22 10 52.0	36.65N	27.99E	25–2	3.2		¶11661024
ISCJB	X	01 22 10 52.8–.71	36.68N–.03	27.99E–.03	6–6	3.2		
CSEM	X	01 22 10 52.9–.20	36.67N	27.98E	5	3.3		
ATH	X	01 22 10 52.9	36.69N	28.12E	68–8	3.3		
ISK	X	01 22 10 52.1	36.69N	28.02E	5	3.3		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=4.8km s-min=4.3km az=163.3.						
CSEM		Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=4.0.						
ATH		Error ellipse: s-maj=1.1km s-min=4.9km az=-1.0.						
ISC	**X**	**03 04 58 21.2–1.1**	**37.68N–.06**	**27.0E–.10**	**25–7**		**30**	**0-3**
ISK	X	03 04 58 20.8	37.71N	27.02E	23	3.0		¶11661055
ISCJB	X	03 04 58 21.2–1.1	37.69N–.06	27.0E–.10	28–6	3.0		
CSEM	X	03 04 58 21.0–.22	37.69N	26.98E	22–1	3.0		
DDA	X	03 04 58 22.5	37.76N	26.97E	7–4	2.5		
ISC		Event type ke.						

ISCJB Event type ke. Error ellipse: s-maj=17.3km s-min=7.0km az=151.4.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=2.8km az=70.0.
ISC X 03 21 00 51.8–.80 37.71N–.03 26.89E–.06 0–5 49 0-3
ISCJB X 03 21 00 51.1–.79 37.70N–.03 26.88E–.06 0–5 **¶11661064**
CSEM X 03 21 00 51.9–.56 37.72N 26.98E 12 2.5L
DDA X 03 21 00 51.7 37.72N 26.97E 16–2 3.3L
ISK X 03 21 00 52.4 37.75N 27.23E 10 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.2km az=157.7.
CSEM Event type ke. Error ellipse: s-maj=15.6km s-min=6.0km az=71.0.
ISC X 06 05 19 36.6–.14 36.08N–.02 28.42E–.02 77–3 3.9b 480 0-79
ISK X 06 05 19 34.2 35.96N 28.29E 32 3.9L **¶11361704**
ISCJB X 06 05 19 35.2–.14 36.06N–.02 28.44E–.02 84–2 3.9b
DDA X 06 05 19 36.1 36.19N 28.34E 39–3 3.9
NEIC X 06 05 19 36.3–.37 36.07N 28.34E 76–6 4.1b
ATH X 06 05 19 36.1 36.18N 28.35E 72–1 3.8L
CSEM X 06 05 19 36.6–.09 36.07N 28.42E 60 3.8L,3.6W
IDC X 06 05 19 36.8–2.3 36.06N 28.48E 78–28 4.0,3.9
SGS X 06 05 19 37.6 35.73N 28.21E 38 4.0,3.9
HLW X 06 05 19 38.2 35.85N 28.47E 33–55 4.5L,3.9
THE X 06 05 19 38.6 36.15N 28.35E 61–2 4.5L,3.9
NIC X 06 05 19 38.8–.10 36.29N 28.74E 45 4.4b,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=32.6.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.9km az=199.0.
ATH Error ellipse: s-maj=0.8km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=39.0.
IDC Error ellipse: s-maj=18.9km s-min=14.4km az=105.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.3km az=145.0.
NIC Moment Tensor Solution. $M_0$2.40000×10^{14}
ISC X 06 13 58 08.7–.80 36.25N–.04 27.05E–.04 7–7 74 1-5
CSEM X 06 13 58 08.0–.18 36.26N 27.02E 2 3.1 **¶11661110**
ATH X 06 13 58 08.0 36.32N 27.07E 25–1 3.1
ISCJB X 06 13 58 09.2–.65 36.24N–.04 27.05E–.04 17–8 3.1
ISK X 06 13 58 10.5 36.22N 27.41E 5 3.1
DDA X 06 13 58 12.7 36.43N 27.23E 29–6 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.8km az=147.0.
ATH Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.2km az=145.0.
ISC X 07 00 28 42.5–1.1 36.96N–.06 26.67E–.06 14–10 42 1-2
DDA X 07 00 28 41.9 37.00N 26.67E 5–4 2.8 **¶11661119**
ISCJB X 07 00 28 43.0–.96 36.95N–.05 26.69E–.06 22–9 2.8
CSEM X 07 00 28 42.9–.45 36.96N 26.70E 17–1 2.7
ISK X 07 00 28 43.9 37.03N 26.80E 16 2.7
ATH X 07 00 28 46.7 37.27N 26.48E 16 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=8.1km az=40.9.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=6.2km az=21.0.
ISC X 07 11 37 56.4–.25 36.33N–.02 28.88E–.03 35 129 0-9
DDA X 07 11 37 53.7 36.45N 28.72E 6–6 3.2 **¶11661139**
ISCJB X 07 11 37 54.9–.26 36.25N–.02 28.92E–.03 33 3.2
ISK X 07 11 37 55.5 36.37N 28.82E 25 3.1
CSEM X 07 11 37 55.7–.13 36.34N 28.87E 30 3.1
ATH X 07 11 37 55.5 36.42N 28.83E 53–1 3.2
THE X 07 11 37 57.3 36.41N 28.85E 42–4 3.1L
HLW X 07 11 37 59.0 36.06N 29.03E 33–35 3.4,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=170.7.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=78.0.
ATH Error ellipse: s-maj=0.4km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=2.2km az=306.0.
ISC X 08 03 34 18.8–.52 36.37N–.03 28.08E–.05 16–4 45 0-3
ISK X 08 03 34 16.8 36.35N 28.09E 5 2.4L **¶11661161**
ATH X 08 03 34 17.0 36.38N 28.09E 25–8 3.2
ISCJB X 08 03 34 18.2–.76 36.37N–.04 28.07E–.05 11–7 3.2
CSEM X 08 03 34 18.3–.22 36.36N 28.06E 12 2.8L
THE X 08 03 34 19.2 36.37N 28.11E 10–2 2.8L
ISC Event type ke.
ATH Error ellipse: s-maj=7.1km s-min=9.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.7km az=144.7.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.6km az=149.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.2km az=77.0.
ISC X 09 06 01 52.8–.59 35.47N–.05 27.11E–.04 17–3 87 0-4
ISK X 09 06 01 50.0 35.45N 27.04E 8 3.1L **¶11661207**
ISCJB X 09 06 01 52.7–.54 35.49N–.05 27.10E–.04 22–4 3.1L
CSEM X 09 06 01 52.5–.21 35.48N 27.10E 15 3.5
ATH X 09 06 01 52.6 35.61N 27.03E 17–3 3.5
THE X 09 06 01 53.2 35.45N 27.06E 11–0 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=3.7km az=154.4.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=2.8km az=152.0.
ATH Error ellipse: s-maj=3.1km s-min=2.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=143.0.
ISC X 09 14 19 30.3–.93 35.35N–.05 27.24E–.04 14–5 97 0-5
ISK X 09 14 19 29.4 35.34N 27.37E 19 3.2L **¶11661223**
CSEM X 09 14 19 30.5–.29 35.40N 27.24E 15 3.3
THE X 09 14 19 31.1 35.69N 27.07E 0–0 3.3
ISCJB X 09 14 19 31.6–.51 35.48N–.05 27.11E–.04 20–4 3.3
ATH X 09 14 19 31.0 35.55N 27.05E 22–4 3.3
DDA X 09 14 19 32.8 35.61N 27.28E 14–4 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=3.8km az=153.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=3.4km az=149.8.
ATH Error ellipse: s-maj=6.6km s-min=4.5km az=-1.0.
ISC X 11 23 45 00.6–.66 35.83N–.05 28.00E–.05 45–14 48 0-4
ATH X 11 23 44 58.6 35.76N 28.09E 44–4 3.4 **¶11661272**
ISCJB X 11 23 44 59.8–.68 35.82N–.05 28.01E–.05 49–10 3.4
CSEM X 11 23 44 59.8–.40 35.82N 28.05E 50–9 3.4
ISK X 11 23 45 00.7 35.90N 27.77E 32 2.8L
DDA X 11 23 45 00.0 36.08N 28.16E 7–7 3.6
ISC Event type ke.
ATH Error ellipse: s-maj=4.4km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.3km az=147.1.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=6.7km az=147.0.
CSEM X 14 07 43 46.5–.34 36.77N 27.67E 2 2.3L
DDA X 14 07 43 45.6 36.75N 27.69E 7–6 2.8 **¶11661304**
ISK X 14 07 43 46.4 36.79N 27.62E 8 2.3L
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=155.0.
ISC X 15 18 12 55.5–.60 37.74N–.03 26.67E–.05 10–7 42 0-2
CSEM X 15 18 12 54.5–.22 37.73N 26.61E 2 2.9 **¶13909871**
ISK X 15 18 12 54.4 37.75N 26.66E 8 2.8
ATH X 15 18 12 55.9 37.78N 26.71E 14–3 2.9
DDA X 15 18 12 56.7 37.81N 26.78E 7–3 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=54.0.
ATH Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0.
ISC X 17 19 01 03.4–.38 36.40N–.02 27.58E–.02 15–3 3.3b 209 0-41
IDC X 17 19 01 01.7–1.3 36.26N 27.62E 0 3.7b,3.7 **¶11661378**
ISCJB X 17 19 01 02.7–.40 36.35N–.02 27.58E–.02 23–4 3.3b,3.7
CSEM X 17 19 01 02.8–.08 36.39N 27.55E 10 3.7L,3.7
DDA X 17 19 01 02.0 36.40N 27.55E 22–2 3.3,3.7
ATH X 17 19 01 02.0 36.47N 27.54E 22–1 3.6,3.7
ISK X 17 19 01 02.4 36.42N 27.48E 19 3.7L,3.7
NEIC X 17 19 01 03.1–.75 36.27N 27.58E 10 3.7L,3.7
THE X 17 19 01 03.8 36.47N 27.60E 11–0 3.8L,3.7
HLW X 17 19 01 04.9 36.36N 27.69E 33–39 3.2,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=21.5km az=7.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=139.5.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=75.0.
ATH Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=11.0km az=202.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=299.0.
ISC X 19 23 47 42.4–2.0 36.73N–.07 27.2E–.10 10–12 28 0-2
CSEM X 19 23 47 41.8–.40 36.73N 27.16E 8 2.0L **¶11661430**
ISK X 19 23 47 41.9 36.76N 27.20E 10 2.0L
DDA X 19 23 47 44.4 36.80N 27.31E 8–4 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.1km az=66.0.
ISC X 20 00 50 14.4–.48 36.01N–.04 27.30E–.05 14–6 39 0-3
ISK X 20 00 50 12.9 35.93N 27.36E 11 3.3 **¶11661431**
ISCJB X 20 00 50 13.7–.49 36.00N–.04 27.31E–.05 11–6 3.3
CSEM X 20 00 50 14.9–.14 35.99N 27.39E 15 3.0
ATH X 20 00 50 14.4 35.97N 27.38E 23–3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.1km az=39.8.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.0km az=130.0.
ATH Error ellipse: s-maj=4.2km s-min=3.4km az=-1.0.
ISC X 25 02 53 28.5–.38 36.02N–.03 28.50E–.04 46–13 69 0-9
ISK X 25 02 53 25.8 36.01N 28.45E 19 3.2 **¶11661516**
ISCJB X 25 02 53 27.1–.38 35.97N–.04 28.50E–.04 55–10 3.2
ATH X 25 02 53 28.0 36.06N 28.49E 45–10 3.2
CSEM X 25 02 53 28.3–.14 36.04N 28.54E 40 3.2
HLW X 25 02 53 30.8 35.75N 28.58E 33–38 3.1,2.8L
DDA X 25 02 53 30.0 36.37N 28.63E 7–7 3.1,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.1km az=147.1.
ATH Error ellipse: s-maj=9.0km s-min=2.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=87.0.
ISK X 25 09 08 44.5 36.78N 28.01E 5 2.0L
¶11661520
ISC X 25 09 45 30.1–.74 36.98N–.04 28.32E–.04 12–8 26 0-1
ISK X 25 09 45 28.3 37.01N 28.33E 25 2.3L **¶11661522**
ISCJB X 25 09 45 29.7–.61 36.96N–.04 28.32E–.04 11–6 2.3L
CSEM X 25 09 45 30.0–.27 36.95N 28.28E 2 2.3L
DDA X 25 09 45 30.4 37.00N 28.30E 7–6 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=5.4km az=12.7.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.1km az=34.0.
ISC X 26 15 53 56.0–.21 36.44N–.02 26.88E–.02 130–3 3.7b 237 1-123
IDC X 26 15 53 53.0–2.7 36.11N 26.49E 130–28 3.4,3.3b **¶11661540**
ISCJB X 26 15 53 54.9–.21 36.44N–.02 26.88E–.02 135–3 3.7b,3.3b
NEIC X 26 15 53 54.5–.90 36.14N 26.69E 143–11 4.5b,3.3b
CSEM X 26 15 53 55.7–.08 36.46N 26.88E 131–1 3.5L,3.3b
SGS X 26 15 53 57.0 36.19N 26.97E 14 3.5L,3.3b
ISK X 26 15 53 56.3 36.16N 26.90E 59 3.5L,3.3b
HLW X 26 15 53 56.2 36.39N 27.13E 33–47 3.6L,3.6
ATH X 26 15 53 56.1 36.52N 26.81E 120–3 3.5L,3.6
DDA X 26 15 53 58.1 36.41N 27.29E 20–1 3.1,3.6
THE X 26 15 53 59.1 36.58N 26.66E 13–3 3.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=16.9km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=11.2.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.5km az=189.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=36.0.
ATH Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.0km az=356.0.
ISC X 28 16 22 43.0–.49 35.92N–.04 27.90E–.03 49–10 113 0-5
ISK X 28 16 22 39.4 35.83N 27.87E 21 3.3L **¶11661586**
DDA X 28 16 22 40.0 35.73N 28.11E 10–2 3.2
ISCJB X 28 16 22 41.9–.50 35.92N–.04 27.90E–.03 58–7 3.2
ATH X 28 16 22 42.0 35.89N 27.86E 52–2 3.3
CSEM X 28 16 22 42.9–.23 35.94N 27.91E 40 3.3
THE X 28 16 22 44.6 35.99N 27.67E 12–2 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=3.8km az=150.7.
ATH Error ellipse: s-maj=1.0km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.5km az=150.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=100.0.
ISC X 29 16 12 25.2–.45 37.87N–.03 26.87E–.04 6–5 49 0-2
DDA X 29 16 12 23.8 37.84N 26.86E 7–6 2.9 **¶11661600**
ISCJB X 29 16 12 24.5–.52 37.87N–.02 26.87E–.04 0–7 2.9
CSEM X 29 16 12 24.9–.27 37.86N 26.84E 10–0 3.2
ATH X 29 16 12 24.4 37.83N 26.86E 20–0 3.2
ISK X 29 16 12 24.4 37.86N 26.87E 5 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=160.6.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.8km az=73.0.
ATH Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0.
ATH X 29 23 21 11.7 36.36N 28.75E 42–3 3.6
CSEM X 29 23 21 11.7 36.36N 28.75E 42 3.6 **¶13398585**
ATH Error ellipse: s-maj=3.1km s-min=24.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC X 30 04 58 21.4–.46 36.62N–.02 27.72E–.02 9–3 192 0-10
THE X 30 04 58 20.1 36.66N 27.83E 0–0 3.9L **¶11661614**
ATH X 30 04 58 20.3 36.64N 27.72E 17–1 3.6
DDA X 30 04 58 20.2 36.60N 27.73E 24–1 3.2
ISCJB X 30 04 58 20.5–.46 36.60N–.02 27.72E–.02 10–3 3.2
CSEM X 30 04 58 21.3–.10 36.61N 27.72E 10 3.4
ISK X 30 04 58 22.4 36.76N 27.66E 17 3.4
HLW X 30 04 58 24.0 36.51N 27.87E 33–32 3.5,3.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.4km az=32.0.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=12.1.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=85.0.
ISC X 31 06 49 23.9–.92 37.90N–.03 26.65E–.07 7–9 24 0-1
ISCJB X 31 06 49 23.4–.91 37.89N–.03 26.65E–.07 4–8 **¶11661640**
CSEM X 31 06 49 23.5–.21 37.90N 26.63E 2 2.8
ISK X 31 06 49 23.7 37.90N 26.70E 6 2.6
DDA X 31 06 49 23.9 37.92N 26.69E 7–6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.3km az=178.2.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=91.0.
ISC XI 01 16 10 36.8–.80 36.66N–.05 27.22E–.05 139–9 80 0-4
CSEM XI 01 16 10 36.7–.48 36.64N 27.22E 136–6 3.1 **¶12071871**
ISCJB XI 01 16 10 36.4–.78 36.66N–.05 27.21E–.05 136–9 3.1
ATH XI 01 16 10 36.2 36.63N 27.10E 143–3 3.1
ISK XI 01 16 10 37.1 36.84N 27.20E 131 3.1
DDA XI 01 16 10 38.4 36.44N 27.60E 7–8 3.2
THE XI 01 16 10 42.4 36.49N 26.91E 103–11 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=5.2km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.4km az=161.4.
ATH Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=11.4km s-min=1.4km az=141.0.
ISC XI 01 16 38 32.1–.98 37.91N–.03 26.60E–.07 6–7 28 0-2
ISK XI 01 16 38 31.7 37.89N 26.69E 4 2.8 **¶12071875**
CSEM XI 01 16 38 32.0–.24 37.90N 26.61E 5 3.1
DDA XI 01 16 38 32.8 37.95N 26.68E 11–2 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=106.0.
ISC XI 02 17 02 39.6–.62 36.11N–.04 27.75E–.04 7–5 45 0-2
ATH XI 02 17 02 37.2 36.32N 27.63E 11–10 3.2 **¶12072005**
CSEM XI 02 17 02 38.7–.27 36.08N 27.77E 2 3.2
ISCJB XI 02 17 02 39.0–.64 36.12N–.04 27.75E–.04 4–6 3.2
DDA XI 02 17 02 39.8 36.16N 27.88E 7–1 2.9
ISK XI 02 17 02 40.1 36.21N 27.93E 6 2.6
ISC Event type ke.
ATH Error ellipse: s-maj=5.0km s-min=3.7km az=-1.0.

CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.9km az=138.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.4km az=136.8.
THE XI 03 16 13 24.8 36.53N 25.48E 3–5 1.4L
CSEM XI 03 16 13 24.8 36.53N 25.48E 3 1.4L ¶13567199
THE Event type ke. Error ellipse: s-maj=5.9km s-min=0.3km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ISC XI 05 11 57 26.9–.81 35.10N–.03 27.46E–.02 4–5 3.9b 149 1-44
ISK XI 05 11 57 24.7 34.84N 27.34E 49 3.4L ¶12072395
IDC XI 05 11 57 25.2–1.2 35.18N 27.32E 0 3.9b,3.9
ISCJB XI 05 11 57 25.4–.78 35.06N–.03 27.48E–.02 4–5 3.9b,3.9
ATH XI 05 11 57 26.7 35.08N 27.40E 18–2 3.6,3.9
CSEM XI 05 11 57 27.0–.20 35.15N 27.46E 2 3.6,3.9
THE XI 05 11 57 29.2 35.27N 27.40E 0–1 3.6,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=20.4km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.0km az=176.9.
ATH Error ellipse: s-maj=2.3km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=2.6km az=168.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=119.0.
ISC XI 05 15 23 02.8–.83 36.90N–.07 28.16E–.07 35 24 0-1
ISK XI 05 15 23 01.3 36.96N 28.20E 24 2.2 ¶12072426
ISCJB XI 05 15 23 02.5–.80 36.90N–.06 28.19E–.06 33 2.2
CSEM XI 05 15 23 02.2–.22 36.91N 28.23E 2 2.8
DDA XI 05 15 23 03.2 36.97N 28.23E 8–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.5km az=150.9.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.9km az=174.0.
ATH XI 05 21 57 46.0 36.79N 26.40E 31–3 3.1
CSEM XI 05 21 57 43.9–.55 36.80N 26.47E 2 3.1 ¶13399370
ATH Error ellipse: s-maj=2.0km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=16.0km s-min=9.4km az=170.0.
ISC XI 05 22 10 29.9–.76 36.36N–.05 27.79E–.08 31–7 24 0-3
ATH XI 05 22 10 28.1 36.35N 27.86E 51–5 2.7 ¶12072471
ISCJB XI 05 22 10 29.8–.73 36.36N–.04 27.78E–.08 32–6 2.7
CSEM XI 05 22 10 29.1–.25 36.41N 27.87E 40 2.3
ISK XI 05 22 10 32.0 36.60N 27.90E 28 2.3
ISC Event type ke.
ATH Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=7.3km az=3.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=5.7km az=109.0.
ISC XI 06 02 18 56.3–.62 35.06N–.02 27.13E–.02 12–4 4.0b 604 0-116
ISCJB XI 06 02 18 54.5–.56 35.03N–.02 27.17E–.02 12–4 4.0b ¶13399387
ISK XI 06 02 18 54.5 35.16N 27.21E 5 4.1,3.7L
IDC XI 06 02 18 54.0–.63 35.13N 27.00E 0 4.2b,4.1
ATH XI 06 02 18 55.9 35.15N 27.07E 18–0 4.0,3.8L
NEIC XI 06 02 18 55.9 35.15N 27.07E 18 4.0b,3.8L
MOS XI 06 02 18 56.0–1.2 35.04N 27.11E 23 4.3b,3.8L
HLW XI 06 02 18 56.6 35.20N 27.31E 31–22 3.7,3.5L
THE XI 06 02 18 56.2 35.11N 27.04E 0–1 4.1L,3.5L
CSEM XI 06 02 18 56.8–.10 35.07N 27.17E 15 4.2b,3.5L
TEH XI 06 02 18 58.7 35.35N 27.20E 10 4.2b,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=11.9.
IDC Error ellipse: s-maj=14.7km s-min=11.4km az=6.0.
ATH Error ellipse: s-maj=1.3km s-min=0.8km az=-1.0.
NEIC Event type se. After ATH.
MOS Error ellipse: s-maj=7.9km s-min=4.6km az=105.1.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.0km az=148.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=10.0.
ISC XI 06 19 24 28.5–.75 36.18N–.04 27.20E–.05 14–6 41 1-2
ISCJB XI 06 19 24 26.7–1.3 36.10N–.04 27.25E–.06 0–10 ¶12072562
ISK XI 06 19 24 27.2 36.20N 27.14E 8 2.9
CSEM XI 06 19 24 28.0–.26 36.17N 27.17E 10 3.0
ATH XI 06 19 24 29.0 36.17N 27.19E 26–6 3.0
DDA XI 06 19 24 35.7 36.28N 27.75E 9–1 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=5.1km az=41.5.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=5.7km az=129.0.
ATH Error ellipse: s-maj=3.4km s-min=3.9km az=-1.0.
ISC XI 06 22 47 58.2–.31 35.11N–.03 27.45E–.02 10 3.9b 248 0-53
DDA XI 06 22 47 50.5 34.50N 27.30E 11–0 3.8 ¶12072589
ISCJB XI 06 22 47 56.1–.33 35.02N–.03 27.46E–.02 10 3.9b
ISK XI 06 22 47 57.6 35.23N 27.52E 5 4.1
IDC XI 06 22 47 57.5–1.3 35.39N 27.03E 0 3.9,3.8b
NEIC XI 06 22 47 58.8 35.14N 27.35E 22 4.0b,3.5L
ATH XI 06 22 47 58.8 35.14N 27.35E 22–1 3.5L,3.5L
CSEM XI 06 22 47 58.1–.29 35.11N 27.45E 10 4.2b,3.5L
THE XI 06 22 48 00.5 35.25N 27.43E 2–2 3.4L,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=4.1.
IDC Error ellipse: s-maj=29.8km s-min=19.8km az=152.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.9km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.6km az=173.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.3km az=128.0.
ISC XI 07 00 34 23.4–.57 36.38N–.04 28.40E–.04 35–4 57 0-3
DDA XI 07 00 34 17.4 35.93N 28.03E 16–2 3.2 ¶12072607
ISK XI 07 00 34 20.4 36.25N 28.36E 22 2.9
CSEM XI 07 00 34 22.8–.19 36.37N 28.40E 30 3.4
ISCJB XI 07 00 34 22.8–.60 36.37N–.04 28.39E–.04 44–10 3.4
ATH XI 07 00 34 22.8 36.40N 28.28E 42–1 3.4
THE XI 07 00 34 23.7 36.36N 28.45E 34–2 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=159.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.8km az=158.6.
ATH Error ellipse: s-maj=0.7km s-min=2.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=243.0.
ISC XI 07 13 54 30.3–.41 36.46N–.03 25.51E–.05 12–3 67 0-3
ISK XI 07 13 54 26.7 36.50N 25.08E 27 3.4 ¶12072688
CSEM XI 07 13 54 29.7–.15 36.47N 25.50E 10 3.0L
ATH XI 07 13 54 29.3 36.52N 25.53E 30–1 3.5
ISCJB XI 07 13 54 30.0–.41 36.47N–.03 25.51E–.05 13–3 3.5
THE XI 07 13 54 31.3 36.47N 25.48E 0–1 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=108.0.
ATH Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=3.9km az=24.4.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.2km az=326.0.
ISC XI 07 15 53 55.5–.61 36.80N–.03 27.40E–.05 8–6 51 0-2
DDA XI 07 15 53 54.9 36.80N 27.50E 6–2 3.1 ¶12072703
ISCJB XI 07 15 53 55.0–.60 36.81N–.03 27.41E–.05 7–6 3.1
CSEM XI 07 15 53 55.2–.15 36.81N 27.40E 10–0 2.8
ATH XI 07 15 53 55.7 36.82N 27.44E 33–31 3.2
ISK XI 07 15 53 55.0 36.84N 27.42E 6 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.1km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=76.0.
ATH Error ellipse: s-maj=12.4km s-min=18.0km az=-1.0.
ISC XI 07 17 50 33.6–.62 36.54N–.04 26.83E–.04 10 33 1-2
ISCJB XI 07 17 50 33.2–.61 36.52N–.04 26.86E–.04 10 ¶12072723
CSEM XI 07 17 50 33.4–.30 36.53N 26.86E 10 2.9
ATH XI 07 17 50 33.2 36.50N 26.82E 17–1 3.1
ISK XI 07 17 50 34.7 36.73N 26.86E 13 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.9km az=142.1.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.4km az=137.0.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
ISC XI 08 18 27 27.8–.78 36.54N–.02 26.78E–.05 5–7 64 1-3
ATH XI 08 18 27 27.7 36.51N 26.82E 23–0 3.2 ¶12072851
CSEM XI 08 18 27 28.0–.14 36.53N 26.82E 10 2.7
DDA XI 08 18 27 28.8 36.50N 26.77E 14–0 3.0
ISK XI 08 18 27 28.9 36.67N 26.81E 12 2.7
ISC Event type ke.
ATH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=128.0.
ISC XI 08 20 37 27.8–.43 35.74N–.03 27.80E–.05 35 59 1-9
DDA XI 08 20 37 24.7 35.46N 27.61E 50–0 3.1 ¶12072864
ISCJB XI 08 20 37 25.8–.43 35.66N–.03 27.79E–.05 33 3.1
CSEM XI 08 20 37 27.0–.23 35.78N 27.85E 20 3.2
ISK XI 08 20 37 28.3 35.86N 27.84E 30 3.2
HLW XI 08 20 37 32.0 35.39N 28.05E 33–29 3.3,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.6km az=1.7.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.6km az=81.0.
ISC XI 09 02 58 19.1–.42 36.96N–.02 27.78E–.04 12–4 61 0-2
ATH XI 09 02 58 17.3 36.98N 27.93E 77–7 ¶12072913
ISCJB XI 09 02 58 18.6–.43 36.97N–.02 27.77E–.04 8–5
CSEM XI 09 02 58 18.6–.13 36.94N 27.78E 8 2.9
DDA XI 09 02 58 18.0 36.97N 27.80E 7–6 3.2
ISK XI 09 02 58 18.1 36.97N 27.79E 4 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=2.3km s-min=4.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.8km az=0.9.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=84.0.
ISC XI 09 07 48 54.5–.14 36.14N–.01 27.97E–.01 70–2 4.0b 780 0-81
MOS XI 09 07 48 45.5–1.5 35.55N 27.98E 33 4.3b ¶13399630
ISCJB XI 09 07 48 53.0–.15 36.12N–.01 27.99E–.01 75–2 4.0b
DDA XI 09 07 48 53.6 36.23N 27.82E 53–5 4.5L
IDC XI 09 07 48 53.5–2.2 36.25N 27.87E 53–22 4.5L,3.9
ISK XI 09 07 48 54.6 36.32N 27.86E 72 4.3L,3.9
CSEM XI 09 07 48 54.5–.08 36.12N 27.99E 75–1 4.2b,3.8W
NEIC XI 09 07 48 54.2 36.27N 27.89E 61 4.2b,3.8W
ATH XI 09 07 48 54.2 36.27N 27.89E 61–0 3.7L,3.8W
THE XI 09 07 48 55.1 36.23N 28.03E 33–4 3.9L,3.8W
SGS XI 09 07 48 55.4 36.14N 27.94E 54 3.9L,3.8W
NIC XI 09 07 48 56.6–.10 36.09N 28.19E 46 4.3b,3.9L
HLW XI 09 07 49 06.5 35.05N 28.07E 31–33 3.9L,3.5
ISC Event type fe.
MOS Error ellipse: s-maj=10.5km s-min=3.8km az=122.4.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=22.6.
IDC Error ellipse: s-maj=16.6km s-min=14.8km az=128.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=29.0.
NEIC Event type fe. Felt on Rhodes. After ATH.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.0km az=280.0.
NIC Moment Tensor Solution. $M_0 4.30000 \times 10^{14}$
ISC XI 09 13 20 26.9–.18 36.88N–.02 28.16E–.02 65–3 3.8b 338 0-116
ISCJB XI 09 13 20 25.7–.19 36.87N–.02 28.16E–.02 73–2 3.8b ¶11406530
DDA XI 09 13 20 25.9 36.88N 28.17E 51–4 4.0
ATH XI 09 13 20 25.8 36.91N 28.17E 72–3 3.8L
IDC XI 09 13 20 25.9–1.8 36.79N 28.24E 58–18 3.8,3.7b
ISK XI 09 13 20 26.2 36.94N 28.11E 67 4.0L,3.7b
NEIC XI 09 13 20 27.2–.67 36.80N 28.24E 71–7 3.8b,3.7b
CSEM XI 09 13 20 27.1–.09 36.87N 28.15E 64–1 4.0L,3.7b
THE XI 09 13 20 29.0 36.91N 28.06E 56–3 3.7L,3.7b
HLW XI 09 13 20 39.8 35.69N 28.26E 32–35 4.0L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=156.5.
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=13.8km s-min=12.4km az=48.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.1km az=202.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=170.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.7km az=149.0.
ISC XI 11 13 03 23.2–.46 35.78N–.02 27.64E–.02 19–3 3.8b 263 0-80
DDA XI 11 13 03 21.3 35.73N 27.61E 25–4 3.7 ¶12073175
MOS XI 11 13 03 22.6–1.6 35.68N 27.60E 33 4.2b
ISCJB XI 11 13 03 22.6–.46 35.71N–.02 27.65E–.02 32–4 3.8b
CSEM XI 11 13 03 22.6–.16 35.76N 27.62E 13–0 3.7L
ATH XI 11 13 03 22.1 35.87N 27.54E 19–1 3.8L
ISK XI 11 13 03 22.9 35.86N 27.54E 22 3.7
SGS XI 11 13 03 23.0 35.71N 27.75E 15 3.7
THE XI 11 13 03 23.1 35.76N 27.63E 12–2 3.7L
HLW XI 11 13 03 23.1 35.88N 27.80E 33–31 3.3L,3.3
IDC XI 11 13 03 24.9–3.4 35.75N 27.66E 34–28 3.8b,3.8
NEIC XI 11 13 03 25.6–.83 35.68N 27.69E 45–9 3.9b,3.8
ISC Event type ke.
MOS Error ellipse: s-maj=13.8km s-min=9.5km az=78.9.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=18.5.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=178.0.
ATH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.0km az=135.0.
IDC Error ellipse: s-maj=16.9km s-min=14.4km az=170.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.8km az=204.0.
ISC XI 11 13 20 38.2–.63 35.80N–.04 27.54E–.03 15–4 81 0-4
DDA XI 11 13 20 34.8 35.64N 27.74E 10–2 3.3 ¶12073178
ISK XI 11 13 20 34.5 35.70N 27.40E 9 3.4
ISCJB XI 11 13 20 37.5–1.1 35.81N–.04 27.52E–.03 12–7 3.4
CSEM XI 11 13 20 37.8–.23 35.84N 27.50E 10 3.3L
THE XI 11 13 20 37.8 35.78N 27.61E 9–3 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.5km az=156.7.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.6km az=155.0.
THE Event type ke. Error ellipse: s-maj=4.8km s-min=1.1km az=130.0.
ISC XI 11 18 27 55.8–.57 36.81N–.03 27.41E–.04 7–4 60 0-2
DDA XI 11 18 27 54.1 36.78N 27.45E 7–5 2.9 ¶12073202
ISCJB XI 11 18 27 55.4–.64 36.81N–.02 27.41E–.04 6–5 2.9
ISK XI 11 18 27 55.0 36.83N 27.42E 7 2.9
CSEM XI 11 18 27 55.7–.13 36.82N 27.43E 8 2.9
ATH XI 11 18 27 55.5 36.88N 27.57E 66–7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=161.8.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=64.0.
ATH Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0.
ISC XI 13 08 50 31.8–.86 35.77N–.05 27.79E–.05 5–5 53 1-4
ISCJB XI 13 08 50 31.7–.83 35.78N–.04 27.76E–.04 7–5 ¶12073404
DDA XI 13 08 50 31.1 35.88N 27.75E 2–3 3.1
ISK XI 13 08 50 31.6 35.75N 27.74E 17 3.1
CSEM XI 13 08 50 32.6–.29 35.78N 27.75E 10 3.5
ATH XI 13 08 50 32.0 35.82N 27.71E 17–0 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.0km az=144.5.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=4.6km az=146.0.
ATH Error ellipse: s-maj=2.6km s-min=2.3km az=-1.0.
ISC XI 13 11 19 05.0–.81 35.76N–.04 27.79E–.04 10–4 90 1-4
DDA XI 13 11 19 00.3 35.44N 27.29E 21–0 3.1 ¶12073414
ISCJB XI 13 11 19 04.4–.78 35.77N–.04 27.77E–.04 9–4 3.1
THE XI 13 11 19 04.5 35.78N 27.78E 1–2 3.1
ISK XI 13 11 19 04.4 35.78N 27.73E 18 3.2
CSEM XI 13 11 19 05.3–.22 35.82N 27.74E 10 3.4
ATH XI 13 11 19 05.1 35.94N 27.60E 14–3 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.4km az=142.5.
THE Event type ke. Error ellipse: s-maj=5.4km s-min=1.4km az=133.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.1km az=144.0.
ATH Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISC XI 14 10 55 09.2–.86 36.66N–.03 25.8E–.10 12–7 36 0-2
ATH XI 14 10 55 08.4 36.69N 25.73E 29–1 3.2 ¶13400142
ISCJB XI 14 10 55 09.5–.66 36.67N–.03 25.68E–.08 18–8 3.2
CSEM XI 14 10 55 09.2–.19 36.67N 25.68E 15 2.6L
THE XI 14 10 55 09.9 36.68N 25.64E 6–2 2.6L
ISC Event type ke.
ATH Error ellipse: s-maj=0.5km s-min=1.2km az=-1.0.

ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=4.4km az=14.4.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.7km az=106.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.7km az=279.0.
ISC XI 16 07 12 30.7–.41 36.46N–.05 26.86E–.05 100 61 0-9
CSEM XI 16 07 12 26.5–.24 36.69N 26.72E 168–3 3.4L ¶13400322
ATH XI 16 07 12 26.7 36.69N 26.65E 161–4 3.4L
ISCJB XI 16 07 12 30.1–.42 36.40N–.05 26.88E–.05 100 3.4L
HLW XI 16 07 12 35.1 35.99N 27.02E 33–29 3.8,3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=157.0.
ATH Error ellipse: s-maj=1.3km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.5km az=149.7.
ISC XI 16 07 31 30.1–.45 36.93N–.03 29.00E–.03 6–4 74 0-3
ISCJB XI 16 07 31 29.7–.49 36.94N–.03 29.00E–.03 4–5 ¶12073715
CSEM XI 16 07 31 29.7–.15 36.92N 29.00E 5 3.2
DDA XI 16 07 31 29.2 36.93N 29.00E 23–2 3.2
ISK XI 16 07 31 29.4 36.91N 29.00E 6 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=22.4.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=27.0.
ISC XI 16 14 03 22.3–.37 36.56N–.04 26.82E–.04 142–5 3.5b 105 1-43
ISCJB XI 16 14 03 21.4–.37 36.55N–.04 26.83E–.04 147–5 3.5b ¶12073754
CSEM XI 16 14 03 21.9–.14 36.62N 26.90E 134–2 3.4L
NEIC XI 16 14 03 22.3–.78 36.57N 26.85E 139–12 3.5b
IDC XI 16 14 03 24.2–3.7 36.51N 27.05E 154–38 3.3b,3.2
ATH XI 16 14 03 25.3 36.57N 26.65E 36–9 3.1,3.2
THE XI 16 14 03 25.0 36.54N 26.79E 159–9 3.4L,3.2
HLW XI 16 14 03 28.7 36.08N 27.31E 31–31 3.5L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.5km az=16.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.4km az=33.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.8km az=165.0.
IDC Error ellipse: s-maj=47.1km s-min=19.0km az=136.0.
ATH Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=9.6km s-min=1.6km az=142.0.
ISC XI 16 16 43 27.9–.23 36.59N–.03 26.92E–.02 141–3 3.8b 228 1-57
ISCJB XI 16 16 43 26.9–.22 36.59N–.03 26.92E–.02 146–3 3.8b ¶11490445
NIC XI 16 16 43 26.4–.20 36.74N 27.10E 140 4.0b,3.4L
IDC XI 16 16 43 27.1–2.1 36.69N 26.79E 134–22 3.7,3.7
CSEM XI 16 16 43 27.7–.11 36.63N 26.92E 143–1 3.3,3.2W
ATH XI 16 16 43 28.8 36.70N 26.62E 13–1 3.7,3.2W
DDA XI 16 16 43 28.2 36.48N 27.22E 12–1 3.1,3.2W
NEIC XI 16 16 43 28.4–.74 36.60N 26.90E 150–11 4.5b,3.2W
ISK XI 16 16 43 29.2 36.71N 26.89E 124 3.3,3.2W
THE XI 16 16 43 31.6 36.66N 26.81E 129–7 3.7L,3.2W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=172.0.
NIC Moment Tensor Solution. $M_0$5.70000×10^{13}
IDC Error ellipse: s-maj=20.0km s-min=15.3km az=146.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=177.0.
ATH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.6km az=176.0.
THE Event type ke. Error ellipse: s-maj=8.2km s-min=1.2km az=136.0.
ISC XI 16 23 10 06.5–.69 37.50N–.03 26.99E–.06 8–8 38 0-2
DDA XI 16 23 10 04.7 37.45N 26.97E 7–3 2.9 ¶12073798
ISCJB XI 16 23 10 06.1–.69 37.50N–.03 27.01E–.05 8–6 2.9
CSEM XI 16 23 10 06.3–.22 37.51N 27.00E 8 2.9
ISK XI 16 23 10 06.2 37.50N 27.05E 9 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.3km az=161.4.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.1km az=64.0.
ISC XI 17 11 34 56.0–.64 36.83N–.04 26.42E–.05 25–9 31 1-2
ATH XI 17 11 34 51.8 36.72N 26.56E 11–6 3.4 ¶13400427
CSEM XI 17 11 34 55.2–.40 36.91N 26.46E 20 2.3L
THE XI 17 11 34 57.0 36.89N 26.47E 27–5 2.3L
ISC Event type ke.
ATH Error ellipse: s-maj=3.3km s-min=2.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=8.7km az=32.0.
THE Event type ke. Error ellipse: s-maj=5.8km s-min=0.6km az=39.0.
ISC XI 17 14 09 29.6–.43 36.51N–.02 26.72E–.02 9–4 88 0-3
ATH XI 17 14 09 28.9 36.51N 26.73E 26–1 3.4 ¶12073860
ISCJB XI 17 14 09 28.6–.58 36.52N–.02 26.71E–.03 1–5 3.4
ISK XI 17 14 09 28.6 36.63N 26.70E 5 3.0
CSEM XI 17 14 09 29.3–.17 36.52N 26.71E 8 2.9L
THE XI 17 14 09 29.3 36.56N 26.74E 4–2 2.9L
DDA XI 17 14 09 29.6 36.53N 26.74E 4–0 3.3
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=154.3.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=160.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.5km az=40.0.
ISC XI 17 23 08 23.5–1.0 35.86N–.06 27.87E–.08 49–14 28 0-2
ISK XI 17 23 08 19.2 35.67N 27.62E 29 3.0 ¶12073933
ATH XI 17 23 08 21.5 35.72N 28.00E 39–2 2.9
ISCJB XI 17 23 08 23.0–1.0 35.86N–.06 27.86E–.08 53–12 2.9
CSEM XI 17 23 08 23.8–.51 35.91N 27.82E 40 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=4.3km s-min=4.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.0km s-min=7.7km az=41.5.
CSEM Event type ke. Error ellipse: s-maj=14.7km s-min=10.0km az=133.0.
ISC XI 19 03 07 02.6–.65 36.48N–.04 28.39E–.06 31–5 39 0-3
ATH XI 19 03 07 00.4 36.55N 28.37E 41–7 3.1 ¶12074094
ISCJB XI 19 03 07 02.3–.79 36.44N–.05 28.36E–.06 45–12 3.1
ISK XI 19 03 07 02.8 36.50N 28.37E 39 2.5
CSEM XI 19 03 07 02.2–.27 36.49N 28.34E 27–2 3.1
DDA XI 19 03 07 06.5 36.83N 27.96E 6–5 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=16.2km s-min=13.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=6.4km az=37.8.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=133.0.
ISC XI 19 05 35 09.8–.42 37.24N–.02 26.76E–.02 2–3 229 0-9
ISCJB XI 19 05 35 09.2–.42 37.26N–.02 26.75E–.02 4–3 ¶12074109
ISK XI 19 05 35 09.4 37.23N 26.83E 5 3.7L
CSEM XI 19 05 35 10.0–.12 37.25N 26.77E 2 3.5
DDA XI 19 05 35 10.4 37.33N 26.87E 36–2 3.4
ATH XI 19 05 35 10.2 37.31N 26.77E 26–3 3.8L,3.5
THE XI 19 05 35 12.3 37.26N 26.87E 25–4 3.5L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=19.8.
CSEM Event type ke.
ATH Error ellipse: s-maj=2.7km s-min=2.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=0.8km az=67.0.
ISC XI 19 06 39 51.7–1.4 35.25N–.06 27.41E–.05 2–8 57 0-5
DDA XI 19 06 39 45.7 34.71N 27.10E 17–1 3.4 ¶12074116
ISK XI 19 06 39 49.4 35.05N 27.33E 18 3.5
ISCJB XI 19 06 39 50.5–1.4 35.18N–.06 27.39E–.06 6–8 3.5
CSEM XI 19 06 39 51.3–.52 35.13N 27.30E 15 3.1
ATH XI 19 06 39 53.7 35.32N 27.28E 19–12 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.2km az=153.7.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=7.1km az=178.0.
ATH Error ellipse: s-maj=16.6km s-min=9.4km az=-1.0.
ISK XI 19 08 56 09.7 35.79N 27.80E 13 2.8
CSEM XI 19 08 56 09.7 35.79N 27.80E 13 2.8 ¶12074126
DDA XI 19 08 56 18.8 36.21N 27.79E 6–0 2.9
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC XI 19 20 12 48.9–.74 37.65N–.03 26.89E–.06 10 28 0-1
ISCJB XI 19 20 12 47.8–.85 37.63N–.03 26.85E–.06 10 ¶12074178
DDA XI 19 20 12 47.8 37.63N 26.86E 6–4 2.7
CSEM XI 19 20 12 48.8–.32 37.66N 26.91E 2 2.7
ISK XI 19 20 12 48.8 37.66N 27.01E 7 2.6

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.1km az=155.1.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.9km az=68.0.
ISC XI 20 10 31 28.2–1.3 35.85N–.07 27.93E–.09 58–12 28 0-2
ISK XI 20 10 31 26.3 35.84N 27.89E 21 2.8 ¶12074253
ISCJB XI 20 10 31 27.8–1.3 35.86N–.06 27.91E–.09 61–12 2.8
CSEM XI 20 10 31 28.8–.52 35.92N 27.87E 50–8 3.0
ATH XI 20 10 31 28.1 35.84N 27.90E 49–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=7.2km az=40.2.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=6.9km az=126.0.
ATH Error ellipse: s-maj=3.1km s-min=3.5km az=-1.0.
ISC XI 24 11 34 06.1–.16 36.63N–.02 28.22E–.02 73–2 4.0b 396 0-116
ISCJB XI 24 11 34 04.8–.17 36.59N–.02 28.25E–.02 80–2 4.0b ¶11492007
ATH XI 24 11 34 05.0 36.66N 28.25E 77–1 3.8L
IDC XI 24 11 34 05.9–.69 36.57N 28.36E 75–7 3.9,3.8
NEIC XI 24 11 34 06.6 36.75N 28.33E 22 3.9L,3.8
CSEM XI 24 11 34 06.3–.08 36.61N 28.24E 71 4.1b,3.8
ISK XI 24 11 34 06.0 36.72N 28.14E 73 4.1L,3.8
HLW XI 24 11 34 07.2 36.42N 28.32E 33–32 4.1L,4.0
THE XI 24 11 34 07.7 36.68N 28.13E 68–4 4.3L,4.0
DDA XI 24 11 34 09.8 37.15N 28.32E 7–4 4.0L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=147.1.
ATH Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.
IDC Error ellipse: s-maj=11.0km s-min=10.0km az=32.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=53.0.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=1.1km az=160.0.
ISC XI 26 22 02 43.6–.83 36.14N–.04 26.90E–.06 109–9 54 1-9
ISCJB XI 26 22 02 42.5–.75 36.13N–.05 26.90E–.06 115–7 ¶13401201
CSEM XI 26 22 02 43.4–.30 36.14N 26.91E 110–3 3.0L
ATH XI 26 22 02 44.1 36.19N 26.86E 96–2 3.0L
THE XI 26 22 02 45.9 36.20N 26.83E 98–8 3.0L
HLW XI 26 22 02 46.8 35.82N 26.80E 33–23 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=7.3km az=151.6.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.7km az=51.0.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=9.1km s-min=1.1km az=148.0.
ISC XI 28 14 39 40.8–.79 37.38N–.06 26.52E–.05 27–9 24 0-2
DDA XI 28 14 39 37.3 37.28N 26.46E 7–5 2.9 ¶13401383
ATH XI 28 14 39 38.6 37.31N 26.61E 31–2 3.1
CSEM XI 28 14 39 39.7–.30 37.36N 26.50E 20 2.9
ISCJB XI 28 14 39 40.7–.75 37.38N–.06 26.52E–.05 29–8 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XI 30 11 58 20.4–1.0 37.96N–.03 26.75E–.08 6–8 26 0-2
ISCJB XI 30 11 58 19.9–.97 37.95N–.03 26.76E–.08 1–10 ¶12075325
CSEM XI 30 11 58 19.9–.35 37.94N 26.72E 5 2.5
ISK XI 30 11 58 19.9 37.95N 26.83E 5 2.7
DDA XI 30 11 58 20.3 37.99N 26.81E 10–1 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.9km az=165.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=3.5km az=74.0.
ISC XI 30 11 59 39.1–.99 36.60N–.05 26.63E–.04 133–9 64 1-4
ATH XI 30 11 59 35.8 36.61N 26.67E 167–10 ¶12075326
ISCJB XI 30 11 59 38.6–.92 36.59N–.05 26.63E–.05 133–8
ISK XI 30 11 59 38.9 36.63N 26.70E 133 2.0L
CSEM XI 30 11 59 39.2–.49 36.51N 26.64E 133–6 2.0L
THE XI 30 11 59 40.3 36.49N 26.61E 173–5 3.2L
ISC Event type ke.
ATH Error ellipse: s-maj=2.4km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.6km az=162.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=4.5km az=169.0.
THE Event type ke. Error ellipse: s-maj=5.9km s-min=1.3km az=155.0.
ISC XII 01 00 59 08.7–.71 36.09N–.03 27.03E–.03 3–5 3.5b 107 1-58
ATH XII 01 00 59 07.9 36.16N 27.09E 24–2 3.7 ¶12075377
NEIC XII 01 00 59 07.5 36.19N 27.06E 16 3.7L
ISK XII 01 00 59 07.8 36.09N 27.15E 5 3.2
IDC XII 01 00 59 07.2–1.5 35.14N 27.96E 0 3.5b,3.3
THE XII 01 00 59 08.4 36.11N 27.14E 1–0 3.0L,3.3
CSEM XII 01 00 59 08.6–.20 36.12N 27.01E 2 3.7L,3.3
ISCJB XII 01 00 59 08.6–.74 36.06N–.03 27.08E–.03 13–5 3.5b,3.3
ISC Event type ke.
NEIC Event type se. After ATH.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 01 11 18 06.2–1.8 36.93N–.05 27.73E–.07 2–60 24 0-1
ISK XII 01 11 18 05.6 36.96N 27.70E 9 2.4 ¶12864856
DDA XII 01 11 18 05.2 36.91N 27.74E 7–2 2.8
CSEM XII 01 11 18 05.9–.20 36.94N 27.72E 10 2.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=124.0.
ISC XII 01 11 30 31.6–.38 36.18N–.03 28.89E–.03 68–9 113 1-9
ISK XII 01 11 30 30.6 36.23N 28.89E 80 2.9 ¶12864855
ISCJB XII 01 11 30 30.1–.34 36.15N–.03 28.90E–.03 79–8 2.9
ATH XII 01 11 30 30.5 36.25N 28.91E 56–2 3.4
CSEM XII 01 11 30 31.5–.10 36.17N 28.93E 60 3.1
THE XII 01 11 30 32.2 36.22N 28.97E 47–6 3.2L
DDA XII 01 11 30 35.8 36.68N 28.99E 7–9 3.1
HLW XII 01 11 30 38.9 35.73N 28.97E 42–13 3.7,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=7.0.
ATH Error ellipse: s-maj=1.0km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=62.0.
THE Event type ke. Error ellipse: s-maj=6.6km s-min=0.8km az=302.0.
ISC XII 01 19 07 54.4–.41 36.57N–.03 26.88E–.03 139–5 145 1-10
ISK XII 01 19 07 53.9 36.08N 26.92E 18 3.4 ¶12864848
ATH XII 01 19 07 53.6 36.61N 26.88E 144–2 3.4
ISCJB XII 01 19 07 53.5–.39 36.57N–.03 26.89E–.03 142–5 3.4
CSEM XII 01 19 07 54.2–.13 36.58N 26.91E 140–2 3.4
DDA XII 01 19 07 55.8 36.71N 26.70E 8–6 3.2
THE XII 01 19 07 57.7 36.58N 26.79E 140–8 3.0L
HLW XII 01 19 07 59.2 36.35N 27.06E 33–17 3.7,3.1L
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=163.7.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=174.0.
THE Event type ke. Error ellipse: s-maj=8.8km s-min=1.5km az=138.0.
ISC XII 02 01 17 30.1–.44 36.30N–.03 27.71E–.03 52–7 107 0-4
ISK XII 02 01 17 28.8 36.37N 27.63E 67 3.5 ¶12864902
ATH XII 02 01 17 29.1 36.27N 27.65E 43–7 3.4
ISCJB XII 02 01 17 29.1–.44 36.30N–.03 27.70E–.03 59–6 3.4
THE XII 02 01 17 30.1 36.23N 27.75E 55–3 2.9L
CSEM XII 02 01 17 30.2–.20 36.31N 27.72E 44–5 2.9L
DDA XII 02 01 17 33.0 36.52N 27.82E 52–52 3.6
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=5.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=145.9.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=81.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=151.0.
ISC XII 08 00 24 04.5–.63 35.99N–.03 27.23E–.04 13–4 62 0-4
ATH XII 08 00 24 03.1 36.04N 27.16E 17–2 2.9 ¶12865017
ISK XII 08 00 24 03.5 36.00N 27.24E 7 3.4
ISCJB XII 08 00 24 04.7–.63 35.96N–.03 27.25E–.04 20–6 3.4
CSEM XII 08 00 24 04.7–.22 36.01N 27.18E 15 2.9
DDA XII 08 00 24 06.8 36.22N 27.44E 18–3 3.5
ISC Event type ke.

ATH Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.9km az=135.9.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.2km az=132.0.
ISC XII 09 11 03 50.1–.78 36.79N–.05 26.54E–.04 11–6 37 1-2
ATH XII 09 11 03 46.5 36.68N 26.71E 10–2 3.2 ¶12865031
ISCJB XII 09 11 03 49.3–.80 36.80N–.04 26.53E–.04 8–7 3.2
DDA XII 09 11 03 49.7 36.92N 26.36E 7–3 2.6
ISK XII 09 11 03 49.7 36.86N 26.55E 4 2.8
CSEM XII 09 11 03 50.0–.47 36.82N 26.52E 10 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.5km az=3.6.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=5.7km az=2.0.
ATH XII 09 22 58 50.2 36.45N 26.88E 12–3 3.5
CSEM XII 09 22 58 50.2 36.45N 26.89E 13 3.5 ¶13402364
ATH Error ellipse: s-maj=0.8km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC XII 09 23 21 05.3–.45 36.93N–.03 27.65E–.03 11–4 71 0-5
DDA XII 09 23 21 03.4 36.89N 27.71E 7–3 2.9 ¶12865018
ISCJB XII 09 23 21 04.8–.54 36.93N–.03 27.64E–.03 10–4 2.9
ISK XII 09 23 21 04.6 36.96N 27.71E 6 2.9
ATH XII 09 23 21 04.7 36.78N 27.58E 40–9 3.4
CSEM XII 09 23 21 04.9–.18 36.91N 27.66E 10 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.4km az=35.1.
ATH Error ellipse: s-maj=2.3km s-min=4.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.9km az=14.0.
ISC XII 10 00 31 07.8–.57 35.83N–.04 27.41E–.04 14–4 82 0-5
DDA XII 10 00 30 59.3 34.99N 28.43E 28–0 3.2 ¶12865069
ISK XII 10 00 31 04.9 35.71N 27.34E 14 3.4
ISCJB XII 10 00 31 07.7–.55 35.80N–.04 27.43E–.04 24–6 3.4
CSEM XII 10 00 31 07.5–.15 35.83N 27.40E 12 3.1L
THE XII 10 00 31 07.7 35.82N 27.46E 9–5 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.2km az=148.5.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.5km az=151.0.
THE Event type ke. Error ellipse: s-maj=7.3km s-min=1.5km az=135.0.
ISC XII 10 01 52 07.3–.49 35.86N–.03 27.91E–.03 49–10 119 0-4
ISK XII 10 01 52 04.4 35.83N 27.92E 22 3.3 ¶12865068
ATH XII 10 01 52 06.4 35.86N 27.87E 54–1 3.5
ISCJB XII 10 01 52 06.2–.50 35.86N–.03 27.92E–.03 60–7 3.5
CSEM XII 10 01 52 07.5–.17 35.89N 27.91E 40 3.5
THE XII 10 01 52 08.9 35.91N 27.81E 39–3 3.5L
DDA XII 10 01 52 13.3 36.48N 27.60E 28–0 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.7km az=148.4.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=152.0.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.9km az=125.0.
ISC XII 10 10 31 42.7–.77 35.82N–.05 27.40E–.07 5–6 44 0-3
ISK XII 10 10 31 40.8 35.78N 27.29E 8 3.2 ¶12865055
CSEM XII 10 10 31 41.0–.44 35.74N 27.36E 5 3.2
ISCJB XII 10 10 31 42.3–.80 35.82N–.05 27.44E–.08 4–7 3.2
ATH XII 10 10 31 42.0 35.77N 27.49E 18–1 2.9
DDA XII 10 10 31 49.5 36.37N 27.54E 8–5 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=6.7km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=5.2km az=36.0.
ATH Error ellipse: s-maj=2.3km s-min=1.8km az=-1.0.
ISC XII 11 05 17 40.7–.29 36.11N–.02 27.96E–.03 79–6 157 0-9
ISCJB XII 11 05 17 39.3–.26 36.09N–.02 27.98E–.03 88–5 ¶12865084
CSEM XII 11 05 17 40.8–.10 36.10N 28.00E 80 3.4L
DDA XII 11 05 17 41.1 36.26N 27.96E 40–2 3.3
ATH XII 11 05 17 41.5 36.19N 27.85E 69–2 3.3
ISK XII 11 05 17 42.4 36.41N 27.97E 81 3.4
THE XII 11 05 17 43.2 36.13N 27.88E 68–4 3.4L
HLW XII 11 05 17 44.8 35.91N 28.06E 33–17 4.0,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=21.2.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=75.0.
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.3km s-min=1.7km az=102.0.
ISC XII 14 07 27 31.0–.19 35.91N–.02 27.92E–.02 70–3 3.5b 369 0-80
ISCJB XII 14 07 27 29.6–.20 35.90N–.02 27.95E–.02 77–3 3.5b ¶11532456
NEIC XII 14 07 27 31.7–.48 35.88N 27.96E 84–8 4.4b,3.6
DDA XII 14 07 27 31.4 36.09N 27.91E 37–3 3.5,3.6
ISK XII 14 07 27 31.1 36.03N 27.83E 76 3.6,3.6
CSEM XII 14 07 27 31.1–.10 35.91N 27.95E 73–1 3.4W,3.2L
IDC XII 14 07 27 32.6–1.9 35.82N 28.17E 94–23 3.6,3.5
ATH XII 14 07 27 32.5 36.21N 27.53E 29–1 3.2L,3.5
THE XII 14 07 27 34.9 36.02N 27.72E 40–5 3.2L,3.5
HLW XII 14 07 27 35.9 35.62N 28.01E 32–19 3.7L,3.4
NIC XII 14 07 27 36.6–.10 35.90N 28.46E 35 4.1b,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=16.7.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.3km az=188.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=29.0.
IDC Error ellipse: s-maj=16.2km s-min=14.3km az=62.0.
ATH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.9km s-min=1.4km az=111.0.
NIC Moment Tensor Solution. $M_0 1.20000 \times 10^{14}$
ISC XII 15 20 38 27.1–2.4 36.5N–.10 27.97E–.06 10 17 0-1
CSEM XII 15 20 38 26.9–1.3 36.43N 27.97E 2 2.1L ¶12865145
DDA XII 15 20 38 27.6 36.37N 27.63E 19–0 2.8
ISK XII 15 20 38 29.4 36.46N 27.63E 12 2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=25.4km s-min=9.3km az=2.0.
ISC XII 16 06 40 29.0–1.1 36.79N–.08 27.90E–.05 25–9 21 0-1
ISCJB XII 16 06 40 28.7–1.3 36.77N–.08 27.90E–.05 28–10 ¶12865172
CSEM XII 16 06 40 28.3–.73 36.73N 27.87E 30 2.7
ISK XII 16 06 40 30.4 36.94N 27.73E 2 2.4L
DDA XII 16 06 40 30.9 36.91N 27.70E 7–3 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=7.2km az=176.8.
CSEM Event type ke. Error ellipse: s-maj=19.8km s-min=11.2km az=176.0.
ISC XII 17 14 05 39.7–1.4 36.92N–.05 27.34E–.09 9–13 24 0-2
ISK XII 17 14 05 38.6 36.92N 27.30E 9 2.3 ¶12865187
DDA XII 17 14 05 39.7 36.96N 27.38E 7–4 2.6
CSEM XII 17 14 05 40.0–.34 36.93N 27.37E 2 2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=4.0km az=58.0.
ATH XII 18 00 37 02.5 35.67N 27.36E 22–2 2.9
CSEM XII 18 00 37 02.9–.76 35.84N 27.31E 19–1 2.9 ¶13403097
ATH Error ellipse: s-maj=7.2km s-min=5.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=51.4km s-min=15.2km az=142.0.
ISC XII 18 03 51 00.6–.65 36.55N–.04 27.12E–.06 127–6 68 0-10
ISCJB XII 18 03 50 59.8–.62 36.53N–.04 27.13E–.06 130–5 ¶12865212
ATH XII 18 03 51 00.9 36.65N 26.97E 109–10
CSEM XII 18 03 51 00.4–.31 36.54N 27.12E 127–4 3.0
ISK XII 18 03 51 02.2 36.73N 27.09E 115 3.0
HLW XII 18 03 51 02.1 36.66N 27.40E 26–18 4.0
THE XII 18 03 51 02.3 36.76N 26.80E 12–3 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.9km az=33.9.
ATH Error ellipse: s-maj=5.8km s-min=3.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.9km az=112.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.7km az=344.0.
ISC XII 19 00 39 50.4–.55 36.87N–.03 27.47E–.05 10–6 36 0-2
ATH XII 19 00 39 48.7 36.93N 27.67E 84 ¶12865235
ISK XII 19 00 39 49.6 36.88N 27.49E 8 3.1
ISCJB XII 19 00 39 50.1–.61 36.88N–.03 27.49E–.05 6–6 3.1
DDA XII 19 00 39 50.9 36.92N 27.57E 7–1 2.7
CSEM XII 19 00 39 50.1–.17 36.87N 27.46E 8 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.2km s-min=4.4km az=153.7.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=64.0.
ISC XII 20 00 21 04.2–.77 36.93N–.05 28.30E–.05 10 23 0-1
ISCJB XII 20 00 21 03.6–.79 36.92N–.05 28.28E–.05 10 ¶12865251
ISK XII 20 00 21 03.1 37.19N 28.20E 26 2.2L
CSEM XII 20 00 21 04.5–.67 36.93N 28.26E 5 2.8
DDA XII 20 00 21 05.1 36.97N 28.25E 7–3 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.8km az=28.0.
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=7.6km az=140.0.
ISC XII 20 18 24 13.1–.70 36.93N–.04 28.29E–.04 10 24 0-1
ISCJB XII 20 18 24 12.6–.69 36.93N–.04 28.27E–.04 10 ¶12865242
CSEM XII 20 18 24 13.2–.23 36.94N 28.30E 2 1.9L
DDA XII 20 18 24 13.5 36.97N 28.18E 7–1 3.0
ISK XII 20 18 24 13.8 36.99N 28.20E 6 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.1km az=167.5.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=157.0.
ISC XII 20 21 23 59.3–1.0 36.96N–.05 28.36E–.06 18–8 18 0-1
CSEM XII 20 21 23 58.9–.44 36.94N 28.36E 16–3 2.2L ¶12865239
ISCJB XII 20 21 23 59.5–1.2 36.97N–.05 28.37E–.08 16–22 2.2L
ISK XII 20 21 23 59.5 37.08N 28.23E 23 2.2L
DDA XII 20 21 24 00.4 36.96N 28.18E 7–3 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.4km az=127.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=7.1km az=141.4.
ISC XII 21 13 46 11.6–.51 36.66N–.03 25.58E–.08 19–5 40 0-2
ATH XII 21 13 46 09.7 36.60N 25.64E 10–1 3.0 ¶13403584
CSEM XII 21 13 46 10.8–.27 36.65N 25.62E 20 2.1L
ISCJB XII 21 13 46 11.7–.52 36.65N–.03 25.53E–.10 22–7 2.1L
THE XII 21 13 46 11.7 36.70N 25.63E 7–16 2.1L
ISC Event type ke.
ATH Error ellipse: s-maj=0.3km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=5.0km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=4.7km az=14.2.
THE Event type ke. Error ellipse: s-maj=16.2km s-min=0.5km az=275.0.
ISC XII 21 18 49 49.9–.97 36.95N–.05 28.33E–.05 12–9 21 0-1
ISCJB XII 21 18 49 49.6–.79 36.93N–.05 28.32E–.05 11–7 ¶12865254
CSEM XII 21 18 49 49.5–.36 36.93N 28.33E 10 2.8
ISK XII 21 18 49 50.4 37.05N 28.21E 18 2.0L
DDA XII 21 18 49 50.2 36.94N 28.12E 7–2 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.4km az=176.5.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=6.5km az=154.0.
ISC XII 23 12 53 12.4–.47 36.07N–.02 27.16E–.02 16–3 3.6b 191 1-58
IDC XII 23 12 53 08.5–.97 36.09N 27.18E 0 3.8b,3.8 ¶12078677
DDA XII 23 12 53 09.9 35.94N 27.31E 8–4 3.4,3.8
ISK XII 23 12 53 09.0 36.01N 27.27E 5 3.7,3.7L
NEIC XII 23 12 53 11.1 36.13N 27.16E 26 4.0L,3.7L
ATH XII 23 12 53 11.1 36.13N 27.16E 26–1 4.0L,3.4
CSEM XII 23 12 53 12.5–.14 36.05N 27.16E 20 3.7L,3.4
THE XII 23 12 53 12.6 36.08N 27.15E 21–2 3.7L,3.4
ISCJB XII 23 12 53 12.5–.44 36.06N–.03 27.16E–.02 33–4 3.6b,3.4
ISC Event type ke.
NEIC Event type se. After ATH.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.
ISC XII 24 05 46 35.2–.46 36.77N–.02 28.56E–.03 2–4 97 0-4
ATH XII 24 05 46 33.2 36.82N 28.57E 9–1 3.6 ¶12865332
ISCJB XII 24 05 46 34.3–.54 36.76N–.03 28.56E–.03 1–5 3.6
ISK XII 24 05 46 34.5 36.80N 28.57E 4 3.5
DDA XII 24 05 46 34.0 36.74N 28.53E 20–2 3.5
CSEM XII 24 05 46 35.1–.14 36.78N 28.56E 2 3.5
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=4.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=165.3.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=168.0.
ISK XII 24 06 02 03.9 36.80N 28.45E 5 2.7
CSEM XII 24 06 02 03.9 36.80N 28.45E 5 2.7 ¶12865330
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC XII 24 11 02 42.1–.62 36.78N–.05 28.54E–.04 20–7 30 0-2
DDA XII 24 11 02 39.8 36.78N 28.60E 7–6 2.9 ¶12865315
ISK XII 24 11 02 40.2 36.76N 28.54E 2 2.9
CSEM XII 24 11 02 40.5–.22 36.73N 28.57E 2 2.9
ISCJB XII 24 11 02 42.1–.62 36.78N–.05 28.55E–.04 21–7 2.9
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 25 04 17 29.7–.41 36.78N–.03 28.53E–.03 9–3 66 0-3
ISCJB XII 25 04 17 29.0–.41 36.77N–.03 28.53E–.03 8–3 ¶12865390
ISK XII 25 04 17 28.8 36.79N 28.53E 11 3.4
CSEM XII 25 04 17 29.5–.28 36.74N 28.55E 10 3.3
ATH XII 25 04 17 29.1 36.81N 28.44E 18–2 3.4
DDA XII 25 04 17 29.7 36.70N 28.52E 8–3 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=166.0.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=6.4km az=168.0.
ATH Error ellipse: s-maj=1.3km s-min=1.2km az=-1.0.
ISC XII 26 06 26 47.3–.53 37.00N–.03 28.15E–.03 5–5 46 0-3
ISCJB XII 26 06 26 45.9–.63 36.94N–.03 28.19E–.04 2–6 ¶12865431
ATH XII 26 06 26 45.4 37.01N 28.41E 32–20 3.3
ISK XII 26 06 26 46.4 37.10N 28.10E 5 3.0
DDA XII 26 06 26 46.2 36.97N 28.19E 7–1 3.1
CSEM XII 26 06 26 46.2–.32 36.95N 28.21E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.7km az=38.1.
ATH Error ellipse: s-maj=5.5km s-min=23.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.4km az=6.0.
ISC XII 26 17 16 40.0–2.4 36.78N–.07 26.67E–.05 10–19 49 1-10
ISCJB XII 26 17 16 39.9–2.0 36.82N–.07 26.63E–.05 15–16 ¶13404083
ATH XII 26 17 16 39.2 36.80N 26.66E 27–3 3.2
HLW XII 26 17 16 39.7 36.49N 27.14E 26–11 3.8
CSEM XII 26 17 16 39.5–.33 36.75N 26.66E 5 2.5L
THE XII 26 17 16 41.3 36.81N 26.70E 13–7 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=6.0km az=5.8.
ATH Error ellipse: s-maj=2.6km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.1km az=12.0.
THE Event type ke. Error ellipse: s-maj=8.2km s-min=2.0km az=1.0.
ISC XII 27 00 30 42.9–.49 37.00N–.03 28.18E–.03 6–5 51 0-2
ATH XII 27 00 30 37.3 36.97N 28.91E 45 3.3 ¶12865486
DDA XII 27 00 30 41.9 36.99N 28.19E 7–5 2.9
ISCJB XII 27 00 30 42.4–.66 36.99N–.03 28.17E–.03 2–6 2.9
CSEM XII 27 00 30 42.4–.23 36.98N 28.18E 5 2.8
ISK XII 27 00 30 42.0 37.05N 28.13E 5 2.8
ISC Event type ke.
ATH Error ellipse: s-maj=2.2km s-min=5.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.3km az=166.5.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.7km az=178.0.
ISC XII 28 03 36 52.4–.80 36.14N–.03 27.05E–.07 9–8 29 1-2
ISCJB XII 28 03 36 51.8–.81 36.14N–.03 27.06E–.06 7–8 ¶12865539
ISK XII 28 03 36 51.5 36.15N 27.04E 9 3.0
ATH XII 28 03 36 52.2 36.11N 27.13E 30–3 3.0
CSEM XII 28 03 36 53.4–.45 36.14N 27.10E 27–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.2km az=17.1.
ATH Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0.

CSEM Event type ke. Error ellipse: s-maj=14.6km s-min=9.3km az=131.0.
ISC XII 28 05 23 00.1–.22 35.82N–.02 27.99E–.02 66–3 3.7b 291 0-43
IDC XII 28 05 22 52.6–1.1 36.01N 27.98E 0 3.7b,3.7 ¶12079242
DDA XII 28 05 22 57.9 35.70N 27.74E 27–0 3.2,3.7
ISK XII 28 05 22 58.1 35.84N 27.88E 21 3.5,3.7
ISCJB XII 28 05 22 58.7–.23 35.80N–.02 28.01E–.02 73–3 3.7b,3.7
NEIC XII 28 05 22 59.3–.63 35.80N 27.97E 71–7 3.5,3.7
ATH XII 28 05 22 59.9 35.86N 27.91E 59–1 3.6,3.7
CSEM XII 28 05 23 00.1–.11 35.78N 27.99E 66–2 4.2b,3.7
THE XII 28 05 23 03.7 35.98N 27.68E 14–2 3.8L,3.7
HLW XII 28 05 23 05.3 35.49N 28.00E 32–15 3.5,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=18.3km az=30.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=176.3.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.5km az=197.0.
ATH Error ellipse: s-maj=1.2km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=19.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.7km az=116.0.
ISC XII 28 11 52 22.1–.38 36.78N–.02 28.51E–.03 11–4 63 0-3
ATH XII 28 11 52 20.0 36.83N 28.50E 15–1 3.4 ¶12865518
ISCJB XII 28 11 52 21.3–.40 36.77N–.02 28.52E–.03 9–4 3.4
ISK XII 28 11 52 21.7 36.81N 28.51E 7 2.9
DDA XII 28 11 52 21.3 36.74N 28.51E 7–3 3.2L
CSEM XII 28 11 52 21.4–.20 36.74N 28.51E 8 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=1.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=167.3.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=160.0.
ISC XII 30 11 17 09.9–.70 36.02N–.04 26.13E–.04 75–12 77 1-5
ISCJB XII 30 11 17 08.8–.66 36.03N–.04 26.12E–.04 83–10 ¶13404413
ATH XII 30 11 17 08.6 36.05N 26.12E 75–1 3.4L
CSEM XII 30 11 17 09.4–.09 36.01N 26.14E 80 3.7L
THE XII 30 11 17 10.0 35.99N 26.12E 88–4 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=5.9km az=12.5.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=36.0.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.7km az=171.0.

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ATH VII 02 21 50 13.5 35.08N 26.70E 26–1 3.6
NEIC VII 02 21 50 13.4 35.08N 26.70E 27 3.6 ¶12950860
CSEM VII 02 21 50 13.4 35.08N 26.70E 27 3.6
ATH Error ellipse: s-maj=3.2km s-min=1.3km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VII 03 20 18 51.0–2.1 34.8N–.10 25.16E–.05 16–11 27 0-1
NEIC VII 03 20 18 30.1 36.02N 27.03E 16 3.3 ¶11514087
ATH VII 03 20 18 30.1 36.02N 27.03E 16–1 3.3
ISCJB VII 03 20 18 51.9–1.9 34.8N–.20 25.16E–.05 25–8 3.3
THE VII 03 20 18 52.1 34.83N 25.16E 11–1 3.3
CSEM VII 03 20 18 52.1 34.83N 25.16E 11 3.3
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.0km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=26.8km s-min=6.6km az=0.4.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
ATH VII 10 22 13 51.0 35.69N 26.53E 12–4 3.0
NEIC VII 10 22 13 51.0 35.69N 26.53E 12 3.0 ¶12951174
CSEM VII 10 22 13 51.0 35.69N 26.53E 12 3.0
ATH Error ellipse: s-maj=4.5km s-min=1.5km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VII 19 04 12 06.9–.76 35.90N–.03 24.04E–.03 26–8 134 1-9
ATH VII 19 04 12 05.2 35.93N 24.06E 31–1 3.4 ¶12951482
NEIC VII 19 04 12 05.2 35.93N 24.06E 31 3.4
ISCJB VII 19 04 12 06.6–.69 35.91N–.02 24.04E–.03 31–7 3.4
CSEM VII 19 04 12 06.7–.14 35.90N 24.04E 24–1 4.3L
THE VII 19 04 12 07.5 35.86N 24.00E 30–2 4.3L
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=143.3.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.5km az=39.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.5km az=211.0.
ISC VII 19 12 18 54.3–.72 35.59N–.03 26.39E–.03 22–7 3.5b 79 0-44
IDC VII 19 12 18 50.6–1.7 36.94N 25.16E 0 3.7b,3.5 ¶11812059
THE VII 19 12 18 53.8 35.39N 26.29E 66–6 3.7b,3.5
ATH VII 19 12 18 53.0 35.63N 26.39E 30–1 3.4,3.5
ISCJB VII 19 12 18 53.2–.78 35.56N–.03 26.43E–.03 21–7 3.5b,3.5
NEIC VII 19 12 18 53.0 35.63N 26.39E 30 3.4,3.5
CSEM VII 19 12 18 54.9–.23 35.52N 26.43E 40 3.4,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=192.6km s-min=25.8km az=142.0.
THE Event type ke. Error ellipse: s-maj=7.4km s-min=1.4km az=212.0.
ATH Error ellipse: s-maj=1.0km s-min=0.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=155.8.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=156.0.
ISC VII 19 12 35 07.8–.59 34.25N–.04 25.26E–.03 39–6 3.7b 238 1-64
IDC VII 19 12 35 02.9–1.0 34.24N 25.34E 0 3.9L,3.9 ¶11812061
ISCJB VII 19 12 35 06.3–.68 34.24N–.05 25.27E–.03 49–5 3.7b,3.9
NEIC VII 19 12 35 07.0 34.32N 25.22E 42 3.9,3.7b
CSEM VII 19 12 35 07.3–.18 34.22N 25.28E 40 3.7L,3.7b
ATH VII 19 12 35 07.0 34.32N 25.22E 42–1 3.9,3.7L
THE VII 19 12 35 09.7 34.37N 25.25E 78–5 4.6L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=16.0km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.2km az=6.1.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=22.0.
ATH Error ellipse: s-maj=1.6km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=1.3km az=124.0.
ISC VII 26 03 21 12.3–.28 34.22N–.02 25.92E–.01 39–2 4.4b,3.2s 921 1-124
DDA VII 26 03 21 05.2 34.04N 25.65E 26–0 3.8,3.2s ¶13390121
IDC VII 26 03 21 07.0–.58 34.27N 25.90E 0 4.4b,4.4
ISCJB VII 26 03 21 10.3–.34 34.22N–.02 25.93E–.02 37–3 4.4b,3.2s
ATH VII 26 03 21 11.4 34.26N 25.97E 86–2 3.9L,3.2s
BJI VII 26 03 21 11.7 34.61N 25.41E 54 4.8s,4.7b
NEIC VII 26 03 21 13.0–.39 34.25N 25.93E 45–3 4.3b,4.7b
CSEM VII 26 03 21 12.1–.08 34.19N 25.92E 40 4.4b,3.5W
MOS VII 26 03 21 13.0–1.0 34.40N 25.85E 51 4.5b,3.5W
SGS VII 26 03 21 13.6 33.56N 25.88E 16 4.5b,3.5W
NIC VII 26 03 21 14.3–.20 34.39N 26.25E 55 4.5b,4.1L
TEH VII 26 03 21 15.0 34.40N 25.82E 52 4.5b,4.1L
THE VII 26 03 21 16.7 34.48N 25.84E 56–1 4.5L,4.1L
SZGRF VII 26 03 21 54.4 37.65N 23.68E 33 4.1b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=13.9km s-min=12.5km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=5.4.
ATH Error ellipse: s-maj=3.0km s-min=1.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.6km az=190.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=12.0.
MOS Error ellipse: s-maj=5.6km s-min=2.8km az=114.0.
NIC Moment Tensor Solution. $M_0$1.50000×10^{14}
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=160.0.
SZGRF Southern Greece.
ISC VIII 01 22 43 55.3–.46 35.56N–.04 26.22E–.02 30–5 3.9b 177 0-63
ISK VIII 01 22 43 48.0 35.15N 25.99E 54 3.9 ¶11525237
THE VIII 01 22 43 54.5 35.61N 26.18E 9–1 4.1L
NEIC VIII 01 22 43 54.2 35.53N 26.20E 41 3.9b,3.3
ISCJB VIII 01 22 43 54.5–.30 35.53N–.03 26.23E–.03 50–5 3.9b,3.3
ATH VIII 01 22 43 54.2 35.53N 26.20E 41–1 3.3,3.3
CSEM VIII 01 22 43 55.0–.14 35.59N 26.21E 25 3.3,3.3
IDC VIII 01 22 43 58.7–1.5 35.70N 26.78E 23–6 3.7b,3.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=213.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.6km az=167.6.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=159.0.
IDC Error ellipse: s-maj=33.7km s-min=19.5km az=6.0.
ISC VIII 02 07 12 42.4–.60 34.36N–.02 26.04E–.02 11–4 4.2b,3.2s 298 1-117
IDC VIII 02 07 12 40.9–.78 34.42N 26.01E 0 4.2b,4.2L ¶11227179
ISCJB VIII 02 07 12 40.5–.58 34.32N–.02 26.08E–.03 12–4 4.2b,3.2s
CSEM VIII 02 07 12 42.5–.14 34.36N 25.97E 10 4.2b,2.6s
ATH VIII 02 07 12 43.3 34.40N 26.00E 13–3 3.8,2.6s
MOS VIII 02 07 12 43.6–1.6 34.29N 25.79E 33 4.4b,2.6s
NEIC VIII 02 07 12 43.3 34.40N 26.00E 13 4.0b,3.8
GII VIII 02 07 12 46.2–.00 34.35N 26.59E 1–0 3.7,3.8
HLW VIII 02 07 12 48.0 34.21N 26.24E 36–42 3.9L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=17.7km s-min=15.5km az=61.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=42.7.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=48.0.
ATH Error ellipse: s-maj=3.7km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=7.4km s-min=4.5km az=103.2.
NEIC Event type se. After ATH.
GII Event type ke.
ISC VIII 02 11 26 54.8–1.1 34.39N–.04 26.03E–.04 6–8 3.7b 77 1-59
HLW VIII 02 11 26 52.9 34.55N 25.66E 34–25 3.5L ¶11907700
IDC VIII 02 11 26 53.5–1.1 34.48N 26.00E 0 3.8b,3.8
NEIC VIII 02 11 26 54.4 34.33N 25.99E 5 3.4,3.8
ATH VIII 02 11 26 55.0 34.35N 25.98E 8–5 3.4,3.8
CSEM VIII 02 11 26 55.4–.23 34.44N 26.02E 15 3.4,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=22.7km s-min=17.2km az=7.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=4.7km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=5.1km az=44.0.
ISC VIII 02 14 51 28.8–.37 34.92N–.03 23.32E–.04 61–5 3.7b 166 1-119
IDC VIII 02 14 51 21.9–1.1 35.04N 23.32E 0 3.8b,3.8 ¶11907704
ISCJB VIII 02 14 51 27.5–.38 34.91N–.03 23.31E–.04 71–5 3.6b,3.8
NEIC VIII 02 14 51 27.5 34.92N 23.33E 67 3.4,3.8
ATH VIII 02 14 51 27.5 34.92N 23.33E 67–4 3.5L,3.8
CSEM VIII 02 14 51 28.8–.17 34.91N 23.33E 60 3.5L,3.8
THE VIII 02 14 51 29.0 35.00N 23.27E 32–24 3.0L,3.8
HLW VIII 02 14 51 31.2 34.79N 23.63E 33–54 3.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=22.1km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=3.8km az=144.4.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=3.2km s-min=2.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=50.0.
THE Event type ke. Error ellipse: s-maj=24.4km s-min=0.8km az=159.0.
ISC VIII 03 17 56 15.0–1.4 35.61N–.03 26.19E–.04 16–9 84 0-3
ATH VIII 03 17 56 14.9 35.59N 26.19E 36–2 3.5,3.4L ¶12099655
NEIC VIII 03 17 56 14.9 35.59N 26.19E 36 3.5,3.4L
ISCJB VIII 03 17 56 15.5–.59 35.61N–.03 26.18E–.03 24–6 3.5,3.4L
CSEM VIII 03 17 56 15.1–.13 35.61N 26.19E 15 3.4L,3.4L
THE VIII 03 17 56 15.8 35.62N 26.17E 5–2 3.4L,3.4L
ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=4.6km az=159.6.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=161.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=95.0.
ISC VIII 03 22 28 22.9–.55 35.60N–.04 26.18E–.04 26–6 68 0-3
NEIC VIII 03 22 28 21.4 35.59N 26.20E 40 3.4 ¶12099663
ATH VIII 03 22 28 21.4 35.59N 26.20E 40–3 3.4
ISCJB VIII 03 22 28 22.8–.57 35.60N–.05 26.17E–.04 29–7 3.4
CSEM VIII 03 22 28 22.8–.19 35.59N 26.18E 27–3 3.4
THE VIII 03 22 28 23.3 35.61N 26.17E 15–2 3.4
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.3km s-min=1.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=4.7km az=163.5.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=161.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=172.0.
ISC VIII 04 19 38 25.4–.08 34.042N–.01 26.611E–.01 35 5.4b,4.5s 2322 1-151
SZGRF VIII 04 19 38 17.6 33.78N 27.07E 10 5.4b,4.5s ¶13390857
BGS VIII 04 19 38 18.3–1.3 33.57N 27.38E 33–0 5.4b,4.5s
PDG VIII 04 19 38 19.4–.23 33.26N 24.25E 10–11 5.4L,5.4
BJI VIII 04 19 38 22.4 34.07N 26.22E 37 5.5b,5.3b
ATH VIII 04 19 38 22.8 33.89N 26.56E 32–8 5.0L,5.3b
ISCJB VIII 04 19 38 23.3–.09 34.07N–.01 26.628E–.01 33 5.4b,4.5s
MOS VIII 04 19 38 24.5–1.0 34.19N 26.49E 33 5.6b,4.3s
CSEM VIII 04 19 38 24.8–.06 34.04N 26.64E 32 5.4b,5.0W
NEIC VIII 04 19 38 25.3–.17 34.10N 26.58E 30 5.3b,5.2W
IGIL VIII 04 19 38 25.1 34.16N 26.55E 30 5.4b,5.2W
SFS VIII 04 19 38 26.0 34.18N 26.64E 30 5.4L,5.2W
NIC VIII 04 19 38 27.0–.20 34.21N 26.72E 30 5.2b,4.9L
GCMT VIII 04 19 38 27.6–.20 33.97N 26.68E 20–0 5.3W,4.9L
THE VIII 04 19 38 27.5 34.06N 26.51E 52–3 4.7L,4.9L
IDC VIII 04 19 38 27.4–1.1 34.26N 26.58E 42–8 5.0,5.0L
HLW VIII 04 19 38 28.5 33.75N 26.97E 70–31 5.2L,5.0L
GII VIII 04 19 38 30.4–.00 33.98N 27.22E 30–1 5.0b,5.0
DJA VIII 04 19 38 38 33.79N 27.24E 114 5.5b,5.0
NSSC VIII 04 19 38 51 34.25N 29.11E 40 5.5b,5.0
ISC Event type fe.
SZGRF Eastern Mediterranean Sea.
BGS Error ellipse: s-maj=385.0km s-min=272.6km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=636.1km s-min=317.3km az=90.0.
ATH Error ellipse: s-maj=7.2km s-min=2.0km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.1km az=22.5.
MOS Error ellipse: s-maj=4.3km s-min=1.8km az=110.9.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=32.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.2km az=204.0. Moment Tensor Solution.
s23 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.26 $M_{\theta\theta}$6.44 $M_{\phi\phi}$-2.18 $M_{r\theta}$3.28 $M_{\theta\phi}$2.10 $M_{\phi r}$4.46
Best double couple: NP1:ϕ_s227.00000°,δ71.00000°,λ-121.00000°. NP2:ϕ_s109.00000°
,δ36.00000°,λ-34.00000°. Principal axes: T 8.4500,Plg19.0000°,Azm340.0000°
; N -0.5300,Plg29.0000°,Azm238.0000°; P -7.9200,Plg53.0000°,Azm99.0000°
$M_0$8.20000×10^{16}
SFS Event type ke.
NIC Moment Tensor Solution. $M_0$2.20000×10^{15}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s64,c95; s83,c137;
Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00
Best double couple: NP1:ϕ_s117.00000°,δ46.00000°,λ-18.00000°. NP2:ϕ_s220.00000°
,δ77.00000°,λ-134.00000°. Principal axes: T 1.2000,Plg19.0000°,Azm342.0000°
; N 0.1100,Plg43.0000°,Azm232.0000°; P -1.3200,Plg41.0000°,Azm89.0000°
$M_0$1.30000×10^{17}
THE Event type ke. Error ellipse: s-maj=4.0km s-min=1.8km az=93.0.
IDC Error ellipse: s-maj=10.6km s-min=8.8km az=134.0.
GII Event type ke.
NSSC Event type fe.
ISC VIII 05 06 58 39.5–.18 35.95N–.02 26.99E–.02 114–3 3.9b 326 1-79
IDC VIII 05 06 58 37.7–2.2 36.12N 26.85E 91–23 3.7,3.7 ¶11255424
ISCJB VIII 05 06 58 38.3–.17 35.95N–.02 27.00E–.02 121–3 3.9b,3.7
CSEM VIII 05 06 58 39.7–.09 35.94N 26.99E 113–2 3.4W,3.7
ISK VIII 05 06 58 39.0 35.77N 27.00E 39 3.8,3.7
GII VIII 05 06 58 41.8–.00 35.52N 27.42E 1–1 4.0b,3.6

NIC VIII 05 06 58 41.0–.20 36.04N 27.25E 65 4.3b,3.8L
HLW VIII 05 06 58 41.2 35.90N 27.31E 35–55 3.8L,3.8L
ATH VIII 05 06 58 42.1 36.21N 26.59E 26–6 3.2L,3.8L
NEIC VIII 05 06 58 42.1 36.21N 26.59E 26 3.2L,3.8L
DDA VIII 05 06 58 43.7 36.22N 27.53E 20–5 3.8L,3.8L
THE VIII 05 06 58 43.1 36.04N 26.87E 98–3 3.4L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=13.2km az=136.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=13.8.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=19.0.
GII Event type ke.
NIC Moment Tensor Solution. $M_0$9.00000×10^{13}
ATH Error ellipse: s-maj=1.3km s-min=4.5km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.0km az=127.0.
ISC VIII 05 13 05 42.0–.60 35.60N–.02 26.19E–.02 18–4 3.7b 165 0-59
IDC VIII 05 13 05 39.0–1.4 35.67N 26.23E 0 3.7b,3.7 **¶11907791**
ISCJB VIII 05 13 05 41.7–.48 35.58N–.02 26.19E–.02 24–4 3.7b,3.7
NEIC VIII 05 13 05 41.2 35.61N 26.18E 33 3.5,3.7
ATH VIII 05 13 05 41.2 35.61N 26.18E 33–6 3.5,3.7
CSEM VIII 05 13 05 41.3–.18 35.59N 26.18E 15 3.5,3.7
THE VIII 05 13 05 42.1 35.62N 26.16E 8–2 3.2L,3.7
DDA VIII 05 13 05 57.9 36.25N 27.57E 26–3 3.6,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=53.3km s-min=25.2km az=141.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=173.3.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.7km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=166.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=190.0.
ISC VIII 06 00 19 53.2–1.8 34.7N–.20 26.46E–.08 52–25 41 0-4
NEIC VIII 06 00 19 52.3 34.71N 26.45E 59 3.6 **¶12099709**
ATH VIII 06 00 19 52.3 34.71N 26.45E 59–4 3.6
CSEM VIII 06 00 19 52.3 34.71N 26.45E 59 3.6
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=4.2km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VIII 07 22 21 53.5–.51 34.62N–.02 25.01E–.02 10–3 3.9b 368 0-78
IDC VIII 07 22 21 52.0–1.2 35.00N 24.89E 0 4.0b,4.0 **¶11525298**
ISCJB VIII 07 22 21 53.2–.49 34.59N–.02 25.02E–.02 25–4 3.9b,4.0
CSEM VIII 07 22 21 53.6–.14 34.63N 25.03E 10 3.5L,4.0
ATH VIII 07 22 21 54.2 34.72N 24.96E 18–0 3.6L,4.0
NEIC VIII 07 22 21 54.2 34.72N 24.96E 18 4.1b,3.6L
THE VIII 07 22 21 55.4 34.72N 25.00E 2–2 3.5L,3.6L
ISK VIII 07 22 21 58.0 35.16N 25.36E 5 4.3,3.6L
HLW VIII 07 22 22 00.5 34.46N 25.38E 35–44 3.5L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=16.6km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.6km az=43.9.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.7km az=37.0.
ATH Error ellipse: s-maj=1.3km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=1.0km az=185.0.
ISC VIII 09 20 49 23.3–.47 34.45N–.03 25.65E–.07 35 48 1-10
ISCJB VIII 09 20 49 22.0–.47 34.39N–.03 25.68E–.07 33 **¶12099824**
NEIC VIII 09 20 49 22.5 35.87N 25.93E 60
ATH VIII 09 20 49 22.5 35.87N 25.93E 60–5
CSEM VIII 09 20 49 23.4–.23 34.46N 25.69E 40 3.1L
HLW VIII 09 20 49 23.2 34.47N 25.77E 35–48 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.2km az=167.4.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.4km s-min=0.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=5.1km az=73.0.
ISC VIII 10 14 58 37.5–.97 34.90N–.07 23.68E–.05 44–20 88 1-4
ISCJB VIII 10 14 58 36.6–.97 34.93N–.07 23.68E–.05 59–10 **¶12099847**
CSEM VIII 10 14 58 37.6–.19 34.91N 23.68E 40 3.5
THE VIII 10 14 58 37.7 34.94N 23.68E 48–4 3.5
ATH VIII 10 14 58 37.2 35.02N 23.76E 59–5 3.5
NEIC VIII 10 14 58 37.2 35.02N 23.76E 59 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=5.2km az=22.4.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=1.8km az=25.0.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=1.2km az=34.0.
ATH Error ellipse: s-maj=6.3km s-min=4.1km az=-1.0.
NEIC Event type se. After ATH.
ISC VIII 14 02 28 12.1–.41 34.48N–.03 25.60E–.05 35 64 1-8
ISCJB VIII 14 02 28 10.7–.41 34.42N–.03 25.62E–.05 33 **¶12099923**
CSEM VIII 14 02 28 10.3–.16 34.48N 25.58E 15 3.5
ATH VIII 14 02 28 11.0 34.53N 25.56E 40–2 3.5
NEIC VIII 14 02 28 11.0 34.53N 25.56E 40 3.5
HLW VIII 14 02 28 14.4 34.37N 25.83E 35–45 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.9km az=150.1.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.3km az=58.0.
ATH Error ellipse: s-maj=2.4km s-min=1.1km az=-1.0.
NEIC Event type se. After ATH.
ISC VIII 15 01 18 32.3–1.4 34.79N–.10 23.96E–.09 26–5 42 0-4
ATH VIII 15 01 18 31.2 34.74N 24.00E 31–1 3.7 **¶12099953**
NEIC VIII 15 01 18 31.2 34.74N 24.00E 31 3.7
CSEM VIII 15 01 18 32.2–.81 34.79N 23.94E 30 3.7
ISC Event type ke.
ATH Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=21.4km s-min=8.8km az=30.0.
ATH VIII 16 11 06 57.4 34.96N 24.92E 5 3.6
NEIC VIII 16 11 06 57.4 34.96N 24.92E 5 3.6 **¶12099984**
CSEM VIII 16 11 06 57.4 34.96N 24.92E 5 3.6
ATH Error ellipse: s-maj=11.2km s-min=4.9km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VIII 18 06 41 35.9–.41 34.39N–.04 26.26E–.05 46–27 95 1-9
ATH VIII 18 06 41 33.2 34.33N 26.21E 28–1 3.2 **¶12100032**
NEIC VIII 18 06 41 33.2 34.33N 26.21E 28 3.2
CSEM VIII 18 06 41 34.3–.20 34.39N 26.23E 20 3.2
HLW VIII 18 06 41 40.8 34.01N 26.48E 35–58 2.8L
DDA VIII 18 06 41 48.5 35.47N 27.32E 7–1 3.4L,3.2
ISC Event type ke.
ATH Error ellipse: s-maj=3.1km s-min=1.9km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.2km az=81.0.
ISC VIII 19 13 05 56.3–.58 35.31N–.04 23.27E–.05 70–5 3.6b 139 1-61
IDC VIII 19 13 05 47.7–1.4 35.39N 23.20E 0 4.2L,3.8b **¶11908435**
NEIC VIII 19 13 05 55.0 35.31N 23.24E 65 3.3,3.8b
ISCJB VIII 19 13 05 55.2–.57 35.31N–.04 23.26E–.05 77–4 3.6b,3.8b
ATH VIII 19 13 05 55.0 35.31N 23.24E 65–2 3.3L,3.8b
THE VIII 19 13 05 56.5 35.32N 23.32E 71–6 2.7L,3.8b
CSEM VIII 19 13 05 56.1–.21 35.30N 23.26E 71–1 2.7L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=37.8km s-min=26.4km az=132.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=4.6km az=43.1.
ATH Error ellipse: s-maj=1.5km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=6.9km s-min=2.2km az=123.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.0km az=38.0.
ISC VIII 29 23 35 00.9–.59 34.22N–.04 26.96E–.06 65–40 60 1-7
ISCJB VIII 29 23 34 59.3–.51 34.21N–.04 26.95E–.06 94–21 **¶12100362**
CSEM VIII 29 23 35 00.9–.21 34.24N 26.99E 60 3.5
HLW VIII 29 23 35 02.8 34.20N 27.07E 31–37 3.2L
ATH VIII 29 23 35 09.1 35.21N 26.58E 59–3 3.5
NEIC VIII 29 23 35 09.1 35.21N 26.58E 59 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.9km az=161.4.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=4.4km az=56.0.
ATH Error ellipse: s-maj=5.9km s-min=2.0km az=-1.0.
NEIC Event type se. After ATH.
ISC VIII 30 17 40 23.2–1.1 35.87N–.05 24.53E–.05 66–16 48 1-2
ISCJB VIII 30 17 40 22.7–1.1 35.87N–.05 24.53E–.05 68–15 **¶12100382**
NEIC VIII 30 17 40 22.3 35.96N 24.56E 46 3.1
ATH VIII 30 17 40 22.3 35.96N 24.56E 46–35 3.1
CSEM VIII 30 17 40 23.0–.24 35.87N 24.52E 66–3 3.1
THE VIII 30 17 40 25.2 35.85N 24.61E 32–21 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=7.1km az=174.6.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.8km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=2.0.
THE Event type ke. Error ellipse: s-maj=21.1km s-min=0.7km az=259.0.
ISC VIII 31 21 24 25.9–.67 35.13N–.06 23.43E–.05 72–5 3.5b 119 0-118
IDC VIII 31 21 24 18.0–1.3 35.05N 23.70E 11–5 4.2s,4.2 **¶11909185**
ISCJB VIII 31 21 24 24.5–.65 35.11N–.05 23.38E–.05 77–5 3.5b,4.2
NEIC VIII 31 21 24 25.2 35.16N 23.42E 59 3.3,4.2
ATH VIII 31 21 24 25.2 35.16N 23.42E 59–2 3.3L,4.2
CSEM VIII 31 21 24 25.5–.57 35.08N 23.39E 69–3 3.3L,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=23.0km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=4.4km az=32.9.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.1km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=16.9km s-min=5.2km az=36.0.
ISC VIII 31 23 56 41.7–.34 34.88N–.03 23.40E–.04 57–5 3.8b 233 1-119
IDC VIII 31 23 56 39.4–7.7 35.05N 23.37E 28–56 4.0b,3.9 **¶11783411**
ISCJB VIII 31 23 56 40.0–.38 34.87N–.03 23.41E–.04 64–5 3.8b,3.9
THE VIII 31 23 56 40.3 34.82N 23.32E 106–6 3.5L,3.9
CSEM VIII 31 23 56 41.6–.13 34.88N 23.37E 60 3.4L,3.9
NEIC VIII 31 23 56 43.5 35.15N 23.44E 43 3.8b,3.9
HLW VIII 31 23 56 43.2 34.86N 23.46E 33–40 3.9L,3.9
ATH VIII 31 23 56 43.5 35.15N 23.48E 60–2 3.4L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=17.9km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.2km az=146.6.
THE Event type ke. Error ellipse: s-maj=7.1km s-min=1.4km az=62.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=57.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.3km s-min=1.1km az=-1.0.
ISC IX 02 05 43 37.1–.26 34.87N–.02 24.28E–.03 10 4.2b,3.6s 221 0-119
IDC IX 02 05 43 33.5–.81 35.17N 24.41E 0 4.1,4.1b **¶13393190**
ISCJB IX 02 05 43 35.5–.27 34.84N–.02 24.24E–.03 10 4.2b,3.6s
HLW IX 02 05 43 35.1 35.23N 24.53E 14–16 3.8L,3.5
NEIC IX 02 05 43 37.6 34.97N 24.26E 23 3.7L,3.5
ATH IX 02 05 43 37.6 34.97N 24.26E 23–0 3.7L,3.5
CSEM IX 02 05 43 38.3–.17 34.87N 24.32E 20 3.5L,3.5
THE IX 02 05 43 39.7 35.15N 24.36E 0–2 3.5L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=19.5km s-min=15.6km az=162.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=148.4.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.7km az=50.0.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.9km az=213.0.
ATH IX 07 23 03 48.8 34.35N 25.63E 16–2 3.1
CSEM IX 07 23 03 48.8 34.35N 25.63E 16 3.1 **¶13393729**
ATH Error ellipse: s-maj=2.0km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IX 09 14 36 00.8–.56 35.52N–.03 25.92E–.03 18–4 62 0-3
ISCJB IX 09 14 36 00.8–.44 35.50N–.03 25.91E–.03 25–4 **¶13393883**
ATH IX 09 14 36 00.0 35.54N 25.90E 28–2 2.8
CSEM IX 09 14 36 00.6–.16 35.51N 25.93E 17–1 2.8
THE IX 09 14 36 01.1 35.49N 25.90E 17–4 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=4.3km az=138.1.
ATH Error ellipse: s-maj=1.7km s-min=0.9km az=-1.0.
CSEM Event type ke.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=1.2km az=179.0.
ISC IX 10 18 38 02.4–1.0 34.89N–.03 26.41E–.05 7–8 3.6b 74 0-59
IDC IX 10 18 37 58.5–4.1 34.68N 26.09E 0 3.9L,3.7b **¶11909980**
ATH IX 10 18 38 03.7 34.94N 26.28E 20–1 3.4,3.7b
CSEM IX 10 18 38 03.6–.22 34.93N 26.46E 19–0 3.4,3.7b
HLW IX 10 18 38 06.8 34.75N 26.63E 33–48 3.3,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=76.3km s-min=31.2km az=47.0.
ATH Error ellipse: s-maj=4.3km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=5.5km az=76.0.
ISC IX 11 02 12 55.9–1.2 35.02N–.09 24.41E–.05 10–4 3.7b 88 0-60
IDC IX 11 02 12 52.9–6.7 34.99N 24.23E 0 3.8b,3.7 **¶11910024**
ISCJB IX 11 02 12 55.9–.93 35.10N–.08 24.44E–.05 15–5 3.7b,3.7
ATH IX 11 02 12 55.7 35.10N 24.44E 19–0 3.7,3.7
THE IX 11 02 12 55.1 35.01N 24.38E 14–1 3.7,3.7
CSEM IX 11 02 12 56.1–.36 35.07N 24.42E 5 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=126.7km s-min=37.8km az=26.0.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=3.5km az=22.3.
ATH Error ellipse: s-maj=2.0km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.4km az=202.0.
CSEM Event type ke. Error ellipse: s-maj=10.6km s-min=2.5km az=20.0.
ISC IX 11 23 25 10.0–.78 34.24N–.03 25.13E–.03 22–6 3.8b 177 1-60
HLW IX 11 23 25 07.3 34.48N 25.03E 30–31 3.6,3.1L **¶11910077**
IDC IX 11 23 25 07.2–1.7 34.38N 25.10E 0 4.0L,3.9b
CSEM IX 11 23 25 09.7–.19 34.24N 25.13E 20 3.2L,3.9b
ISCJB IX 11 23 25 09.7–.38 34.24N–.03 25.19E–.04 40–6 3.8b,3.9b
NEIC IX 11 23 25 10.9 34.40N 25.03E 28 3.8b,3.2L
ATH IX 11 23 25 10.3 34.37N 25.05E 28–2 3.7,3.2L
THE IX 11 23 25 11.9 34.43N 25.04E 5–1 3.2L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=17.3km az=22.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=146.3.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=4.9km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=40.0.
ISC IX 14 10 26 20.5–2.7 34.4N–.10 26.65E–.10 2–14 3.8b 31 1-65
ATH IX 14 10 26 22.4 34.44N 26.50E 24–6 3.3 **¶11910251**
CSEM IX 14 10 26 23.4 34.51N 26.48E 25 3.3
IDC IX 14 10 26 25.1–4.9 35.07N 25.93E 40–46 3.6b,3.6
ISC Event type ke.
ATH Error ellipse: s-maj=16.0km s-min=3.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
IDC Error ellipse: s-maj=39.4km s-min=21.4km az=143.0.
ISC IX 22 05 24 30.3–1.3 34.67N–.07 24.97E–.03 5–5 79 0-4
CSEM IX 22 05 24 30.9–.60 34.70N 24.98E 10 3.5L **¶13394931**
ATH IX 22 05 24 30.5 34.73N 24.97E 22–1 3.7
THE IX 22 05 24 31.2 34.73N 24.97E 1–1 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=4.1km az=1.0.
ATH Error ellipse: s-maj=1.9km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.0km az=186.0.
ATH IX 27 21 28 30.8 35.71N 23.22E 7–1 3.5
CSEM IX 27 21 28 30.8 35.71N 23.22E 7 3.5 **¶13395349**
ATH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC X 08 08 40 07.8–2.3 34.5N–.10 23.4E–.10 5–9 23 1-3

ATH X 08 08 40 06.4 34.39N 23.44E 23–8 3.5 **¶13396379**
CSEM X 08 08 40 10.0–1.1 34.59N 23.53E 10 3.5
THE X 08 08 40 13.0 34.74N 23.49E 26–2 3.5
ISC Event type ke.
ATH Error ellipse: s-maj=8.5km s-min=5.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=28.0km s-min=11.4km az=32.0.
THE Event type ke. Error ellipse: s-maj=6.0km s-min=1.1km az=38.0.
ISC X 08 12 20 11.7–.78 34.55N–.02 23.55E–.04 23–7 3.6b 142 1-45
IDC X 08 12 20 08.4–1.3 34.46N 23.77E 0 4.1b,4.0 **¶12066332**
ISCJB X 08 12 20 09.4–.76 34.45N–.02 23.52E–.04 22–7 3.6b,4.0
CSEM X 08 12 20 11.4–.20 34.54N 23.57E 20 3.1L,4.0
ATH X 08 12 20 12.4 34.65N 23.56E 34–5 3.8,4.0
HLW X 08 12 20 13.1 34.69N 23.94E 33–45 3.7L,3.5
NEIC X 08 12 20 15.7 34.81N 23.65E 76 3.7,3.5
THE X 08 12 20 15.7 34.81N 23.65E 76–4 3.1L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=24.5km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=159.9.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=64.0.
ATH Error ellipse: s-maj=3.9km s-min=2.8km az=-1.0.
NEIC Event type se. After THE.
THE Event type ke. Error ellipse: s-maj=5.0km s-min=1.6km az=53.0.
ISC X 12 19 05 56.8–.17 34.73N–.01 25.29E–.01 43–2 4.5b,3.7s 1144 0-118
DDA X 12 19 05 48.7 34.50N 25.26E 25–0 3.8,3.7s **¶11346097**
IDC X 12 19 05 50.9–.50 34.91N 25.30E 0 4.4b,4.4
ISK X 12 19 05 53.8 34.84N 25.29E 15 4.1L,4.4
ISCJB X 12 19 05 54.6–.22 34.72N–.01 25.31E–.02 42–2 4.5b,3.7s
MOS X 12 19 05 54.3–1.2 34.85N 25.32E 33 4.7b,3.7s
BJI X 12 19 05 54.8 35.03N 25.28E 34 5.1b,4.8s
HLW X 12 19 05 55.5 34.85N 25.54E 33–43 4.2L,3.9
NEIC X 12 19 05 56.9–.43 34.83N 25.33E 42–4 4.5b,3.9
CSEM X 12 19 05 56.9–.10 34.74N 25.31E 46–1 4.6b,3.3s
TEH X 12 19 05 57.0 34.84N 25.27E 38 4.6b,3.3s
NIC X 12 19 05 58.6–.10 34.76N 25.72E 40 4.4b,3.8L
ATH X 12 19 05 58.9 34.99N 25.30E 45–2 4.2L,3.8L
THE X 12 19 06 00.1 34.93N 25.27E 35–2 4.3L,3.8L
SZGRF X 12 19 06 02.1 35.44N 25.04E 10 4.2b,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=13.1km s-min=11.2km az=160.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=34.5.
MOS Error ellipse: s-maj=4.9km s-min=2.8km az=116.9.
NEIC Event type fe. Error ellipse: s-maj=5.4km s-min=2.6km az=188.0. Felt at Iraklion.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=33.0.
ATH Error ellipse: s-maj=2.7km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=161.0.
SZGRF Crete, Greece.
ISC X 12 19 13 20.8–.21 34.73N–.02 25.30E–.02 52–3 4.1b 346 0-118
IDC X 12 19 13 14.8–.62 34.91N 25.34E 0 4.1b,4.1 **¶11378430**
ISCJB X 12 19 13 19.0–.23 34.70N–.02 25.30E–.02 56–3 4.1b,4.1
NEIC X 12 19 13 20.9–.69 34.82N 25.30E 48–6 3.8b,4.1
HLW X 12 19 13 21.9 34.71N 25.63E 33–49 3.8L,3.8
CSEM X 12 19 13 21.0–.13 34.74N 25.30E 55–1 4.2b,3.8
ATH X 12 19 13 22.8 34.96N 25.33E 45–4 3.7L,3.8
THE X 12 19 13 23.5 34.91N 25.28E 28–1 3.9L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=17.0km s-min=12.5km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=138.9.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.2km az=191.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.6km az=45.0.
ATH Error ellipse: s-maj=4.6km s-min=1.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=178.0.
ISC X 12 22 20 59.3–.19 34.71N–.02 25.32E–.02 51–2 4.1b 508 0-116
IDC X 12 22 20 53.7–.53 34.92N 25.27E 0 4.1b,4.1 **¶13396860**
ISK X 12 22 20 57.9 34.98N 25.53E 5 3.8L,4.1
ISCJB X 12 22 20 57.3–.22 34.66N–.02 25.32E–.02 54–3 4.1b,4.1
CSEM X 12 22 20 59.2–.10 34.68N 25.32E 53–1 4.2b,4.1
ATH X 12 22 21 00.9 34.92N 25.29E 52–2 3.7L,4.1
NEIC X 12 22 21 00.6 34.91N 25.31E 61 3.9b,4.1
HLW X 12 22 21 01.5 34.60N 25.70E 33–41 3.9L,3.8
SGS X 12 22 21 01.2 34.27N 24.81E 74 3.9L,3.8
THE X 12 22 21 03.2 34.97N 25.28E 31–1 3.9L,3.8
DDA X 12 22 21 20.7 34.82N 29.71E 50–77 3.7,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=11.5km az=154.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=135.7.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=45.0.
ATH Error ellipse: s-maj=3.9km s-min=1.7km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=179.0.
ISC X 13 10 56 01.3–1.8 34.23N–.07 24.90E–.08 0–11 3.8b 22 1-44
IDC X 13 10 56 00.5–1.6 34.12N 25.18E 0 3.8b,3.8 **¶12068549**
CSEM X 13 10 56 01.6 34.19N 24.92E 12 3.4,3.8
ATH X 13 10 56 01.6 34.19N 24.92E 12–2 3.4,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=52.0km s-min=25.9km az=132.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=1.4km s-min=0.8km az=-1.0.
ISC X 15 00 22 13.6–.79 34.73N–.04 25.37E–.03 7–4 3.7b 170 0-93
IDC X 15 00 22 12.1–.99 34.86N 25.42E 0 3.9b,3.9 **¶12068651**
ISCJB X 15 00 22 12.1–.83 34.70N–.03 25.42E–.03 9–5 3.8b,3.9
CSEM X 15 00 22 13.5–.24 34.73N 25.40E 5 3.6L,3.9
THE X 15 00 22 14.7 34.85N 25.33E 0–1 3.6L,3.9
ATH X 15 00 22 14.8 34.85N 25.31E 18–1 3.2L,3.9
NEIC X 15 00 22 14.8 34.85N 25.31E 18 3.2L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=16.3km az=3.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=10.7.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.1km az=17.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.0km az=169.0.
ATH Error ellipse: s-maj=1.9km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
ISC X 15 09 29 10.2–.33 34.29N–.03 26.22E–.05 44–11 3.8b 75 1-44
IDC X 15 09 28 56.7–9.9 33.69N 25.21E 0 4.3L,3.8b **¶12068669**
ISCJB X 15 09 29 08.8–.33 34.24N–.03 26.27E–.05 47–10 3.8b,3.8b
ATH X 15 09 29 08.7 34.31N 26.19E 35–2 3.5,3.8b
CSEM X 15 09 29 09.7–.12 34.31N 26.25E 30 3.5,3.8b
HLW X 15 09 29 10.8 34.27N 26.41E 32–40 3.1,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=182.8km s-min=54.0km az=38.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.2km az=159.6.
ATH Error ellipse: s-maj=2.7km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.6km az=55.0.
ISC X 16 14 01 46.8–1.5 34.77N–.07 23.91E–.05 18–5 69 1-4
ATH X 16 14 01 44.3 34.67N 23.83E 21–2 3.5 **¶13397267**
ISCJB X 16 14 01 46.3–1.4 34.76N–.08 23.87E–.06 23–7 3.5
CSEM X 16 14 01 48.0–.43 34.85N 23.96E 20 2.3L
THE X 16 14 01 49.2 34.94N 24.01E 11–1 2.3L
ISC Event type ke.
ATH Error ellipse: s-maj=3.1km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=13.9km s-min=5.6km az=26.5.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=3.5km az=25.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=36.0.
ISC X 18 12 43 43.3–.58 35.28N–.07 26.02E–.03 11–6 40 0-2
ISCJB X 18 12 43 42.8–.58 35.29N–.07 26.02E–.03 10–6 **¶13397416**
CSEM X 18 12 43 42.7–.21 35.30N 26.04E 10 3.1
ATH X 18 12 43 42.6 35.24N 26.02E 22–1 3.1
THE X 18 12 43 44.0 35.17N 25.98E 6–2 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=4.4km az=174.1.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=4.0.
ATH Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=9.2km s-min=0.9km az=185.0.
ISC X 19 04 49 37.6–.80 34.91N–.05 26.27E–.03 14–4 3.5b 126 0-43
ISCJB X 19 04 49 36.7–.76 34.88N–.05 26.31E–.03 21–5 3.5b **¶12069020**
THE X 19 04 49 37.7 34.90N 26.21E 5–2 3.5b
CSEM X 19 04 49 38.5–.32 34.96N 26.26E 18–1 3.4
ATH X 19 04 49 38.7 35.08N 26.16E 24–0 3.4
IDC X 19 04 49 45.8–4.2 35.09N 26.21E 105–44 3.4b,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.2km az=179.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=325.0.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=3.7km az=177.0.
ATH Error ellipse: s-maj=1.8km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=40.0km s-min=20.7km az=143.0.
ISC X 23 18 29 10.5–.39 34.93N–.04 26.42E–.04 46–7 3.6b 102 0-44
IDC X 23 18 29 05.2–1.4 34.90N 26.31E 0 3.8b,3.6 **¶11661491**
ISCJB X 23 18 29 08.8–.40 34.89N–.04 26.45E–.04 57–7 3.6b,3.6
NEIC X 23 18 29 08.0 35.08N 26.37E 6 3.7,3.6
ISK X 23 18 29 09.9 35.06N 26.38E 34 3.7,3.6
CSEM X 23 18 29 10.3–.21 34.92N 26.42E 40 3.2,3.6
SGS X 23 18 29 11.4 35.65N 27.44E 25 3.2,3.6
ATH X 23 18 29 12.0 35.20N 26.33E 40–1 3.2,3.6
THE X 23 18 29 14.6 35.26N 26.24E 32–5 2.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=41.9km s-min=22.2km az=147.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.2km az=160.7.
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.9km az=169.0.
ATH Error ellipse: s-maj=2.9km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=1.5km az=167.0.
ISC X 23 23 57 56.8–.29 35.48N–.03 26.66E–.02 46–4 3.8b 352 0-58
IDC X 23 23 57 51.5–1.1 35.50N 26.63E 0 3.9b,3.8 **¶11395428**
ISK X 23 23 57 52.4 35.69N 26.41E 5 3.6,3.8
NEIC X 23 23 57 54.9 35.64N 26.61E 28 4.0b,3.3L
ATH X 23 23 57 54.9 35.64N 26.61E 28–1 3.3L,3.3L
CSEM X 23 23 57 55.7–.20 35.52N 26.64E 20 3.1L,3.3L
DDA X 23 23 57 56.3 35.94N 26.60E 10–4 3.7L,3.3L
ISCJB X 23 23 57 56.2–.32 35.55N–.03 26.62E–.02 52–4 3.8b,3.3L
THE X 23 23 57 57.2 35.53N 26.66E 26–5 3.1L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=19.3km az=169.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.2km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.8km az=165.0.
THE Event type ke. Error ellipse: s-maj=5.9km s-min=1.0km az=130.0.
ISC X 25 00 07 27.9–.26 34.64N–.02 23.92E–.03 48–4 4.0b 344 1-61
ISCJB X 25 00 07 26.1–.30 34.61N–.02 23.96E–.03 51–4 4.0b **¶13398002**
HLW X 25 00 07 26.7 34.80N 24.15E 31–41 3.7L,3.6
NEIC X 25 00 07 27.8–.88 34.62N 23.96E 48–8 4.1b,3.6
CSEM X 25 00 07 27.9–.14 34.66N 23.95E 48–2 4.1b,3.6
THE X 25 00 07 28.0 34.71N 23.80E 21–3 4.1b,3.6
ATH X 25 00 07 30.6 35.02N 24.00E 55–4 3.5L,3.6
IDC X 25 00 07 31.0–3.1 34.82N 23.86E 75–30 3.9,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=2.5km az=146.2.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.0km az=194.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.3km az=53.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.3km az=32.0.
ATH Error ellipse: s-maj=5.5km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=24.1km s-min=14.2km az=158.0.
ISC X 28 20 26 51.4–.61 35.94N–.03 26.99E–.05 27–7 71 0-3
ATH X 28 20 26 50.4 35.90N 27.04E 38–3 3.5 **¶13398427**
ISCJB X 28 20 26 51.2–.57 35.95N–.03 26.98E–.05 29–6 3.5
CSEM X 28 20 26 51.2–.24 35.94N 26.99E 24–4 3.5
THE X 28 20 26 51.4 35.95N 26.97E 15–2 2.7L
ISC Event type ke.
ATH Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.2km az=26.7.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=110.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.0km az=102.0.
ATH X 28 23 26 13.9 35.68N 23.37E 35–6 3.7
CSEM X 28 23 26 13.9 35.68N 23.37E 35 3.7 **¶13398461**
ATH Error ellipse: s-maj=8.1km s-min=7.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC X 29 23 31 00.3–.68 35.96N–.03 26.97E–.04 17–5 50 0-3
ATH X 29 23 30 59.9 35.92N 27.02E 32–2 3.4 **¶11661605**
ISK X 29 23 30 59.9 36.03N 26.90E 13 2.0L
ISCJB X 29 23 31 00.0–.94 35.98N–.04 26.95E–.04 15–7 2.0L
CSEM X 29 23 31 00.0–.15 35.98N 26.95E 12 3.4
THE X 29 23 31 01.0 35.93N 26.99E 12–2 3.4
ISC Event type ke.
ATH Error ellipse: s-maj=3.4km s-min=1.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.8km az=146.2.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=139.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=156.0.
ISC X 31 03 45 39.6–1.2 34.24N–.05 26.48E–.04 12–7 3.5b 85 1-45
IDC X 31 03 45 37.4–1.3 34.23N 26.47E 0 3.7b,3.7 **¶12071706**
THE X 31 03 45 41.0 34.36N 26.51E 0–5 3.7b,3.7
ATH X 31 03 45 41.8 34.43N 26.39E 27–1 3.7,3.7
NEIC X 31 03 45 42.5–.86 34.30N 26.42E 35 3.7,3.7
CSEM X 31 03 45 43.0–.41 34.32N 26.44E 40 3.7,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=18.7km az=166.0.
THE Event type ke. Error ellipse: s-maj=11.7km s-min=2.2km az=135.0.
ATH Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=11.3km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=6.1km az=179.0.
ISC X 31 20 11 25.5–1.4 34.75N–.08 25.36E–.04 12–5 46 0-3
ATH X 31 20 11 23.6 34.74N 25.56E 37–4 2.9 **¶13398775**
ISCJB X 31 20 11 25.2–1.2 34.77N–.06 25.35E–.04 9–5 2.9
CSEM X 31 20 11 25.3–.35 34.77N 25.38E 10 2.9
THE X 31 20 11 26.3 34.85N 25.34E 0–0 2.9
ISC Event type ke.
ATH Error ellipse: s-maj=5.2km s-min=2.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=4.9km az=168.4.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=2.9km az=166.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=168.0.
ISC X 31 21 42 57.3–.23 34.40N–.02 26.48E–.03 43–5 3.8b 217 1-59
IDC X 31 21 42 51.4–1.2 34.48N 26.20E 0 3.9b,3.7 **¶11661654**
ISCJB X 31 21 42 55.7–.24 34.37N–.02 26.52E–.03 55–5 3.8b,3.7
HLW X 31 21 42 56.4 34.45N 26.57E 33–35 3.6,3.3L
CSEM X 31 21 42 57.4–.11 34.39N 26.49E 40 3.6,3.3L
NEIC X 31 21 43 00.8 34.76N 26.36E 42 3.6,3.3L
ISK X 31 21 43 00.1 34.58N 26.94E 26 3.9,3.3L
THE X 31 21 43 00.9 34.63N 26.34E 19–1 3.5L,3.3L
ATH X 31 21 43 00.8 34.76N 26.36E 42–1 3.6,3.3L
DDA X 31 21 43 08.0 35.20N 27.32E 25–4 3.5,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=21.2km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=163.9.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=68.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=27.0.
ATH Error ellipse: s-maj=4.0km s-min=1.1km az=-1.0.
ISC X 31 22 42 38.8–.72 35.56N–.09 26.61E–.04 13–11 34 0-2
ISCJB X 31 22 42 38.2–.73 35.57N–.08 26.60E–.04 10–11 **¶13398790**
CSEM X 31 22 42 38.6–.20 35.54N 26.61E 15 2.2L
THE X 31 22 42 38.9 35.50N 26.63E 13–3 2.2L
ATH X 31 22 42 38.2 35.67N 26.61E 23–2 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=4.7km az=169.1.

CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=155.0.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.5km az=142.0.
ATH Error ellipse: s-maj=3.2km s-min=0.8km az=-1.0.
ISC XI 03 08 51 46.3–.35 34.20N–.02 25.14E–.03 37–6 4.0b 142 1-60
IDC XI 03 08 51 41.4–.95 34.32N 25.08E 0 4.1L,4.1b **¶12072096**
ATH XI 03 08 51 43.6 34.19N 25.12E 17–6 3.5,4.1b
ISCJB XI 03 08 51 44.7–.36 34.18N–.02 25.16E–.03 46–6 4.0b,4.1b
NEIC XI 03 08 51 45.3–3.8 34.25N 25.15E 28–29 3.9b,4.1b
CSEM XI 03 08 51 46.8–.29 34.24N 25.15E 40 3.4L,4.1b
HLW XI 03 08 51 46.3 34.24N 25.36E 33–34 3.1L,3.0
THE XI 03 08 51 47.0 34.35N 25.05E 9–1 3.4L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=17.6km az=137.0.
ATH Error ellipse: s-maj=6.9km s-min=2.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=153.5.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.4km az=75.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.6km az=13.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=1.3km az=177.0.
ISC XI 03 09 01 39.1–1.7 34.15N–.06 25.08E–.07 5–10 3.8b 27 1-60
ISCJB XI 03 09 01 36.7–1.6 34.05N–.06 25.05E–.07 3–10 3.8b **¶12072098**
IDC XI 03 09 01 38.3–1.4 34.24N 25.14E 0 4.1L,3.9b
CSEM XI 03 09 01 40.1 34.18N 25.09E 13 3.3,3.9b
ATH XI 03 09 01 40.1 34.18N 25.09E 13–7 3.3,3.9b
ISCJB Error ellipse: s-maj=10.6km s-min=9.7km az=20.8.
IDC Error ellipse: s-maj=37.1km s-min=24.6km az=136.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=3.9km s-min=1.9km az=-1.0.
ISC XI 03 09 48 40.1–1.5 34.12N–.06 25.10E–.06 3–9 3.7b 30 1-60
IDC XI 03 09 48 39.5–1.4 34.18N 25.17E 0 4.1L,3.8b **¶12072105**
CSEM XI 03 09 48 40.9 34.14N 25.09E 12 3.3,3.8b
ATH XI 03 09 48 40.9 34.14N 25.09E 12–4 3.3,3.8b
IDC Error ellipse: s-maj=44.7km s-min=23.8km az=136.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=2.1km s-min=1.1km az=-1.0.
ISC XI 04 00 03 14.0–.28 34.39N–.02 25.75E–.03 58–9 3.5b 173 1-44
IDC XI 04 00 03 09.1–1.6 34.37N 25.60E 0 3.7b,3.4 **¶12072192**
ISCJB XI 04 00 03 12.3–.29 34.40N–.02 25.75E–.03 77–6 3.4b,3.4
CSEM XI 04 00 03 12.9–.46 34.32N 25.79E 60 3.3L,3.4
HLW XI 04 00 03 13.6 34.39N 25.79E 31–40 3.6,3.4L
NEIC XI 04 00 03 14.8 34.45N 25.61E 39 3.7,3.4L
ATH XI 04 00 03 14.8 34.45N 25.61E 39–3 3.7,3.4L
THE XI 04 00 03 16.5 34.50N 25.64E 57–3 3.3L,3.4L
ISK XI 04 00 03 27.9 35.40N 26.91E 9 3.9,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=49.2km s-min=24.0km az=151.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.8km az=161.6.
CSEM Event type ke. Error ellipse: s-maj=11.5km s-min=5.1km az=10.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=3.0km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.0km az=17.0.
ISC XI 05 11 11 14.4–1.2 35.07N–.05 23.15E–.04 2–7 3.8b,3.3s 129 1-80
IDC XI 05 11 11 11.6–.98 35.20N 23.22E 0 3.9b,3.9 **¶13399305**
ISCJB XI 05 11 11 13.1–1.1 35.05N–.05 23.13E–.04 3–7 3.8b,3.3s
ATH XI 05 11 11 14.9 35.21N 23.23E 9–1 3.7,3.5L
THE XI 05 11 11 15.0 35.17N 23.22E 0–7 3.7,3.5L
CSEM XI 05 11 11 16.2–.44 35.21N 23.25E 2 3.7,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=18.3km az=103.0.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=4.6km az=30.7.
ATH Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=9.5km s-min=1.4km az=198.0.
CSEM Event type ke. Error ellipse: s-maj=11.7km s-min=3.7km az=29.0.
ISC XI 09 12 31 15.5–.26 34.22N–.02 26.64E–.03 46–7 3.6b 139 1-45
IDC XI 09 12 31 10.9–1.2 34.42N 26.53E 0 3.7b,3.7 **¶12072949**
ISCJB XI 09 12 31 13.9–.27 34.21N–.02 26.66E–.03 68–8 3.5b,3.7
CSEM XI 09 12 31 15.3–.12 34.26N 26.63E 80 3.2L,3.7
THE XI 09 12 31 16.9 34.25N 26.61E 78–3 3.2L,3.7
HLW XI 09 12 31 18.3 34.00N 26.81E 31–30 3.6,3.6L
ISK XI 09 12 31 19.9 34.75N 27.00E 13 3.7,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=20.6km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=135.3.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=45.0.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=1.1km az=354.0.
ISC XI 10 04 45 28.4–.28 34.75N–.02 23.37E–.02 44–3 4.3b 447 1-118
IDC XI 10 04 45 22.6–.70 34.85N 23.37E 0 4.3b,4.3 **¶13399724**
MOS XI 10 04 45 25.5–1.6 34.69N 23.48E 33 4.5b,4.3
ISCJB XI 10 04 45 26.4–.34 34.73N–.02 23.42E–.03 46–4 4.3b,4.3
SGS XI 10 04 45 26.8 34.47N 23.33E 28 4.3b,4.3
CSEM XI 10 04 45 27.9–.15 34.69N 23.29E 44–2 4.5b,4.3
NEIC XI 10 04 45 28.9 34.91N 23.36E 84 4.2b,3.8
ATH XI 10 04 45 28.9 34.91N 23.36E 84–1 3.8L,3.8
VIE XI 10 04 45 29.9 34.73N 23.43E 51 4.1b,3.7L
HLW XI 10 04 45 31.5 34.55N 23.76E 32–32 3.8L,3.7
THE XI 10 04 45 33.0 35.04N 23.46E 45–2 3.7L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=14.6km az=164.0.
MOS Error ellipse: s-maj=7.9km s-min=4.6km az=93.7.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=44.9.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.7km az=47.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.3km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.4km az=50.0.
ISC XI 10 08 33 58.9–.36 34.77N–.02 23.37E–.04 50–6 4.1b,3.5s 203 1-88
IDC XI 10 08 33 52.9–1.2 34.87N 23.31E 0 4.2b,4.1 **¶13399733**
HLW XI 10 08 33 55.1 34.98N 23.50E 20–21 3.6,3.3L
ISCJB XI 10 08 33 57.4–.38 34.77N–.02 23.35E–.05 64–5 4.1b,3.3L
CSEM XI 10 08 33 59.2–.21 34.77N 23.38E 53–2 3.6L,3.3L
NEIC XI 10 08 34 00.5 35.01N 23.44E 72 3.6,3.3L
ATH XI 10 08 34 00.5 35.01N 23.44E 72–6 3.6L,3.3L
THE XI 10 08 34 02.6 34.99N 23.41E 46–3 3.4L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=20.7km az=27.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=3.0km az=153.7.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.3km az=59.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=6.0km s-min=4.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.4km az=77.0.
ISC XI 11 15 35 26.3–.73 34.23N–.02 25.07E–.03 28–6 4.1b 293 1-79
IDC XI 11 15 35 22.7–.85 34.33N 25.06E 0 4.2L,4.2 **¶13399847**
ISCJB XI 11 15 35 25.3–.30 34.19N–.02 25.12E–.03 39–4 4.1b,4.2
MOS XI 11 15 35 25.8–1.4 34.31N 25.05E 33 4.3b,4.2
ATH XI 11 15 35 26.1 34.35N 24.97E 29–1 3.6L,4.2
NEIC XI 11 15 35 26.9–2.3 34.33N 25.13E 29–17 4.3b,4.2
HLW XI 11 15 35 27.7 34.24N 25.37E 33–29 4.2L,4.0
CSEM XI 11 15 35 28.5–.23 34.30N 25.03E 46–2 4.2b,4.0
THE XI 11 15 35 30.4 34.56N 24.98E 7–3 3.4L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=13.5km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=151.0.
MOS Error ellipse: s-maj=9.0km s-min=6.3km az=99.5.
ATH Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.6km az=195.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=172.0.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=1.4km az=190.0.
ISC XI 11 16 17 01.7–.57 34.20N–.01 25.07E–.01 29–4 4.6b,3.8s 990 1-124
SZGRF XI 11 16 16 35.7 32.43N 26.95E 33 4.7b,3.8s **¶13399850**
DDA XI 11 16 16 52.5 33.97N 24.67E 26–0 3.9,3.8s
BJI XI 11 16 16 53.5 34.08N 24.55E 10 4.9b,4.9b
IDC XI 11 16 16 57.3–.50 34.31N 25.04E 0 4.7L,4.5
ISCJB XI 11 16 16 58.9–.54 34.17N–.01 25.09E–.02 25–4 4.6b,3.8s
HLW XI 11 16 16 59.2 34.45N 25.18E 33–31 4.3,4.2L
MOS XI 11 16 17 00.8–1.3 34.30N 25.06E 33 4.7b,3.7s
CSEM XI 11 16 17 01.6–.07 34.21N 25.07E 30 4.6b,3.9W
THE XI 11 16 17 01.9 34.33N 24.97E 2–2 4.1L,3.9W
SGS XI 11 16 17 01.0 34.58N 25.54E 11 4.1L,3.9W
NEIC XI 11 16 17 02.0–1.5 34.27N 25.10E 30–10 4.5b,3.9W
NIC XI 11 16 17 02.3–.20 34.23N 25.10E 30 4.7b,4.1L
ATH XI 11 16 17 03.8 34.52N 25.03E 36–1 4.1L,4.1L
ISC Event type ke.
SZGRF Eastern Mediterranean Sea.
IDC Error ellipse: s-maj=12.8km s-min=11.5km az=164.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=36.8.
MOS Error ellipse: s-maj=5.1km s-min=3.1km az=110.2.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=33.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.2km az=185.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.1km az=187.0.
NIC Moment Tensor Solution. $M_0$5.50000×10^{14}
ATH Error ellipse: s-maj=1.8km s-min=0.9km az=-1.0.
ISC XI 11 20 29 27.6–.71 34.65N–.03 24.99E–.03 5–5 3.7b 118 0-45
IDC XI 11 20 29 26.7–1.3 34.58N 25.06E 0 3.8b,3.7L **¶12073220**
ISCJB XI 11 20 29 26.4–.71 34.61N–.03 25.02E–.03 7–4 3.7b,3.7L
CSEM XI 11 20 29 27.7–.21 34.68N 25.00E 7–1 3.2L,3.7L
HLW XI 11 20 29 28.9 34.83N 25.12E 31–19 3.6,3.5L
ATH XI 11 20 29 28.0 34.68N 24.98E 5–4 3.5,3.5L
THE XI 11 20 29 29.1 34.76N 24.98E 1–1 3.2L,3.5L
NEIC XI 11 20 29 31.6–1.5 34.62N 25.11E 36–17 3.7b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=22.0km az=146.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=141.3.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=38.0.
ATH Error ellipse: s-maj=2.3km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.1km az=201.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.1km az=64.0.
ISC XI 11 23 56 21.7–1.2 34.22N–.02 25.06E–.04 15–8 3.9b 140 1-60
IDC XI 11 23 56 19.7–1.2 34.35N 25.01E 0 4.0b,4.0 **¶12073247**
ISCJB XI 11 23 56 20.5–.59 34.17N–.02 25.08E–.04 21–5 3.9b,4.0
NEIC XI 11 23 56 21.6 34.24N 25.01E 28 3.4,4.0
ATH XI 11 23 56 21.6 34.24N 25.01E 28–1 3.4L,4.0
CSEM XI 11 23 56 22.7–.17 34.21N 25.06E 20 2.9L,4.0
HLW XI 11 23 56 23.0 34.29N 25.27E 33–29 3.6,3.5L
THE XI 11 23 56 24.9 34.44N 24.99E 0–3 2.9L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=23.5km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=155.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.4km s-min=1.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.4km az=62.0.
THE Event type ke. Error ellipse: s-maj=7.0km s-min=2.0km az=194.0.
ISC XI 13 15 56 18.4–.23 35.90N–.02 26.29E–.02 129–3 3.7b 228 1-43
ISCJB XI 13 15 56 17.3–.22 35.90N–.02 26.29E–.02 136–3 3.7b **¶12073427**
ATH XI 13 15 56 18.7 35.98N 26.24E 119–2 3.2L
CSEM XI 13 15 56 18.6–.10 35.91N 26.29E 124–1 3.2L
DDA XI 13 15 56 18.2 35.93N 26.66E 9–3 3.2
NEIC XI 13 15 56 19.1–.77 35.75N 26.43E 122–12 4.0b
IDC XI 13 15 56 20.3–3.0 35.72N 26.55E 133–35 3.5b,3.4
ISK XI 13 15 56 21.6 36.10N 26.36E 89 3.5,3.4
THE XI 13 15 56 21.1 35.98N 26.24E 126–5 3.2L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=10.0.
ATH Error ellipse: s-maj=1.3km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=21.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=9.9km az=149.0.
IDC Error ellipse: s-maj=29.5km s-min=18.6km az=116.0.
THE Event type ke. Error ellipse: s-maj=6.0km s-min=1.2km az=146.0.
ISC XI 13 20 47 56.7–.48 34.73N–.04 23.47E–.06 55–17 92 1-9
ISCJB XI 13 20 47 55.3–.50 34.73N–.04 23.48E–.06 73–10 **¶13400081**
ATH XI 13 20 47 56.5 34.87N 23.51E 78–2
CSEM XI 13 20 47 57.0–.19 34.75N 23.47E 40 2.7L
HLW XI 13 20 47 59.5 34.49N 23.72E 17–26 3.4L,3.4
THE XI 13 20 47 59.2 34.91N 23.60E 22–2 2.7L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=4.6km az=146.8.
ATH Error ellipse: s-maj=3.7km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.1km az=51.0.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=1.3km az=216.0.
ISC XI 14 22 10 56.9–.27 34.24N–.02 26.33E–.03 35 3.7b 139 1-59
IDC XI 14 22 10 52.3–1.2 34.27N 26.23E 0 3.8b,3.6 **¶12073566**
ATH XI 14 22 10 55.8 34.28N 26.19E 24–1 3.6,3.6
ISCJB XI 14 22 10 55.1–.26 34.22N–.02 26.42E–.03 33 3.7b,3.6
NEIC XI 14 22 10 55.8 34.28N 26.19E 24 3.6L,3.6
HLW XI 14 22 10 56.4 34.27N 26.31E 32–28 3.0L,3.0
CSEM XI 14 22 10 57.2–.16 34.24N 26.29E 40 2.9L,3.0
THE XI 14 22 11 02.5 34.64N 26.09E 45–3 2.9L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=24.2km s-min=21.2km az=157.0.
ATH Error ellipse: s-maj=1.4km s-min=0.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=140.7.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=47.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.8km az=1.0.
ISC XI 15 00 23 11.6–.86 34.45N–.03 26.69E–.03 7–6 3.5b 128 1-81
ISCJB XI 15 00 23 10.5–.84 34.42N–.03 26.76E–.03 11–6 3.5b **¶12073584**
ATH XI 15 00 23 12.9 34.53N 26.60E 14–3 3.6
CSEM XI 15 00 23 14.6–.16 34.47N 26.69E 33 3.2L
HLW XI 15 00 23 14.9 34.44N 26.86E 33–37 2.9L,2.8
IDC XI 15 00 23 15.3–1.3 34.50N 26.65E 33–7 3.5b,3.5
NEIC XI 15 00 23 15.1–.58 34.50N 26.71E 33 3.5b,3.5
THE XI 15 00 23 15.3 34.63N 26.52E 0–3 3.2L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.9km az=17.2.
ATH Error ellipse: s-maj=3.1km s-min=1.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.2km az=37.0.
IDC Error ellipse: s-maj=24.5km s-min=18.2km az=18.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.0km az=198.0.
THE Event type ke. Error ellipse: s-maj=8.2km s-min=2.0km az=163.0.
ISC XI 16 04 16 00.5–.56 34.66N–.02 25.01E–.03 7–3 3.8b 253 0-117
HLW XI 16 04 15 58.9 34.96N 24.89E 33–21 4.0L,3.9 **¶11484385**
ISCJB XI 16 04 15 59.3–.54 34.65N–.02 25.05E–.03 13–3 3.8b,3.9
CSEM XI 16 04 16 00.7–.16 34.67N 25.03E 10 3.9b,2.5s
ATH XI 16 04 16 01.3 34.75N 24.99E 19–1 3.6,2.5s
THE XI 16 04 16 02.4 34.80N 24.99E 0–3 3.6L,2.5s
NEIC XI 16 04 16 04.4–.88 34.71N 24.91E 45–8 3.9b,2.5s
IDC XI 16 04 16 04.9–2.2 34.77N 25.01E 48–24 4.0L,3.8
MOS XI 16 04 16 05.5–1.2 34.87N 24.99E 57 4.3b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=42.9.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=39.0.
ATH Error ellipse: s-maj=2.6km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=1.5km az=171.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.6km az=193.0.
IDC Error ellipse: s-maj=19.7km s-min=16.4km az=4.0.
MOS Error ellipse: s-maj=15.6km s-min=8.1km az=77.5.
ATH XI 16 07 12 21.5 35.36N 24.80E 5–3 2.7
¶13400321
ATH Error ellipse: s-maj=1.7km s-min=0.7km az=-1.0.
ISC XI 19 13 12 16.7–.44 34.45N–.03 25.47E–.07 46–47 78 0-10
DDA XI 19 13 12 13.9 34.28N 25.75E 23–0 3.5 **¶12074142**
ISCJB XI 19 13 12 15.2–.53 34.44N–.03 25.54E–.08 60–20 3.5
ATH XI 19 13 12 15.1 34.39N 25.26E 26–2 3.3
CSEM XI 19 13 12 16.7–.18 34.44N 25.44E 40 3.3
ISK XI 19 13 12 16.8 34.44N 25.73E 38 3.4L

HLW XI 19 13 12 18.9 34.28N 25.65E 33–23 3.7,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=4.5km az=17.7.
ATH Error ellipse: s-maj=2.8km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=86.0.
ISC XI 19 21 21 51.6–.47 34.79N–.03 23.61E–.05 53–5 3.8b 140 0-61
IDC XI 19 21 21 44.9–1.2 34.82N 23.58E 0 3.9b,3.8 **¶12074188**
ISCJB XI 19 21 21 50.2–.48 34.79N–.03 23.61E–.05 62–5 3.8b,3.8
CSEM XI 19 21 21 51.2–.27 34.77N 23.56E 54–3 3.6,3.8
THE XI 19 21 21 53.7 34.95N 23.62E 44–3 3.0L,3.8
NEIC XI 19 21 21 57.0 35.35N 23.86E 54 3.1,3.8
ATH XI 19 21 21 57.0 35.35N 23.86E 54–4 3.6,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=19.9km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.4km az=146.5.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.1km az=57.0.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=1.0km az=158.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=5.1km s-min=3.3km az=-1.0.
ATH XI 19 22 11 49.0 35.20N 24.09E 10 3.6
¶13400640
ISC XI 23 07 02 31.5–1.8 34.6N–.10 23.36E–.08 28–8 3.9b 25 1-45
CSEM XI 23 07 02 34.5 34.75N 23.56E 29 3.4 **¶12074570**
ATH XI 23 07 02 34.5 34.75N 23.56E 29–4 3.4
IDC XI 23 07 02 55.6–10 37.78N 25.97E 0 3.9b,3.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH Error ellipse: s-maj=5.0km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=203.4km s-min=29.9km az=28.0.
ISC XI 24 18 16 24.8–1.4 34.23N–.04 24.42E–.09 31–14 32 1-8
ISCJB XI 24 18 16 23.5–.59 34.19N–.04 24.43E–.08 33 **¶13401032**
CSEM XI 24 18 16 24.2–.29 34.26N 24.40E 20 3.4
HLW XI 24 18 16 25.8 34.28N 24.66E 31–20 3.0L,2.9
ATH XI 24 18 16 25.6 34.43N 24.41E 31–3 3.4,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.5km az=164.6.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=5.8km az=67.0.
ATH Error ellipse: s-maj=4.5km s-min=3.1km az=-1.0.
ISC XI 25 20 17 57.0–.47 34.56N–.03 26.98E–.07 35 40 1-10
ISCJB XI 25 20 17 55.4–.48 34.49N–.03 27.05E–.07 33 **¶13401105**
CSEM XI 25 20 17 56.6–.20 34.63N 27.02E 80 2.8L
ATH XI 25 20 17 58.8 34.94N 26.81E 86–3 2.8L
HLW XI 25 20 17 59.8 34.32N 27.14E 31–22 3.6,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=4.7km az=3.1.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=5.1km az=72.0.
ATH Error ellipse: s-maj=6.5km s-min=3.4km az=-1.0.
ISC XI 26 20 18 07.7–.39 35.33N–.03 26.00E–.03 76–7 119 0-10
ISCJB XI 26 20 18 06.0–.38 35.32N–.03 25.99E–.03 96–7 **¶13401189**
CSEM XI 26 20 18 07.6–.18 35.32N 26.03E 74–5 3.4
ATH XI 26 20 18 08.6 35.48N 25.94E 58–1 3.4
THE XI 26 20 18 10.3 35.50N 25.92E 46–4 3.2L
HLW XI 26 20 18 10.8 35.02N 26.35E 33–24 3.3,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.3km az=36.6.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=51.0.
ATH Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=1.0km az=169.0.
ISC XII 02 03 06 15.2–.79 35.64N–.04 26.35E–.03 34–8 114 1-8
ATH XII 02 03 06 13.7 35.67N 26.38E 41–2 3.4 **¶12864901**
CSEM XII 02 03 06 15.2–.13 35.62N 26.34E 40 3.4
THE XII 02 03 06 15.6 35.64N 26.36E 31–8 3.1L
ISK XII 02 03 06 15.0 35.88N 26.36E 15 3.6
DDA XII 02 03 06 16.9 36.05N 26.66E 8–1 3.1
HLW XII 02 03 06 21.2 35.26N 26.39E 33–12 2.7L
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=157.0.
THE Event type ke. Error ellipse: s-maj=8.5km s-min=0.8km az=154.0.
ISC XII 05 22 26 10.6–.18 35.60N–.02 26.60E–.02 47–6 3.4b 338 0-58
DDA XII 05 22 26 07.8 35.90N 26.53E 6–1 3.3 **¶11493352**
ISCJB XII 05 22 26 08.9–.19 35.58N–.02 26.61E–.02 62–5 3.4b
NEIC XII 05 22 26 09.6 35.71N 26.59E 44 3.4
ATH XII 05 22 26 09.6 35.71N 26.59E 43–1 3.4L
ISK XII 05 22 26 09.2 35.84N 26.58E 10 3.6L
IDC XII 05 22 26 10.9–2.5 35.52N 26.68E 52–26 3.6L,3.5
CSEM XII 05 22 26 10.4–.08 35.58N 26.61E 49–2 3.4L,3.5
THE XII 05 22 26 11.8 35.68N 26.58E 30–12 3.9L,3.5
HLW XII 05 22 26 15.1 35.46N 26.86E 34–17 3.4,3.4L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.5km az=9.7.
NEIC Event type fe. Felt on Karpathos. After ATH.
ATH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=13.6km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=42.0.
THE Event type ke. Error ellipse: s-maj=12.2km s-min=1.1km az=128.0.
ISC XII 05 23 59 11.6–1.9 34.65N–.09 24.97E–.06 15–7 34 0-3
CSEM XII 05 23 59 12.3–.60 34.69N 24.95E 19–2 3.6 **¶13402030**
ATH XII 05 23 59 13.2 34.77N 24.95E 45 3.6
THE XII 05 23 59 13.1 34.72N 24.94E 10–3 3.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=5.2km az=166.0.
ATH Error ellipse: s-maj=5.2km s-min=1.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.4km az=27.0.
ISC XII 07 16 10 58.0–.23 34.58N–.02 25.10E–.03 57–5 3.6b 238 0-60
IDC XII 07 16 10 52.5–1.2 34.83N 25.03E 0 3.8L,3.8 **¶12076223**
ISCJB XII 07 16 10 56.4–.25 34.56N–.02 25.12E–.03 71–5 3.6b,3.8
NEIC XII 07 16 10 57.5–1.6 34.64N 25.15E 40–15 4.0b,3.8
ATH XII 07 16 10 57.1 34.63N 25.02E 66–1 4.0b,3.8
CSEM XII 07 16 10 58.1–.12 34.58N 25.13E 60 3.4L,3.8
HLW XII 07 16 10 59.7 34.64N 25.17E 34–21 4.1,3.3L
THE XII 07 16 11 02.2 34.89N 25.05E 34–2 3.4L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=22.1km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=151.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=12.3km az=51.0.
ATH Error ellipse: s-maj=1.9km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=55.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.3km az=182.0.
ISC XII 09 02 26 08.3–1.4 34.69N–.06 24.14E–.05 5–7 3.5b 46 0-46
ATH XII 09 02 26 06.7 34.68N 24.04E 5–4 3.5 **¶12076456**
ISCJB XII 09 02 26 07.7–1.4 34.70N–.06 24.13E–.05 0–7 3.6b
CSEM XII 09 02 26 09.5–.56 34.75N 24.18E 8 3.1L
THE XII 09 02 26 10.0 34.81N 24.18E 0–3 3.1L
IDC XII 09 02 26 13.6–5.0 34.11N 24.58E 73–50 3.2b,3.1
ISC Event type ke.
ATH Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.4km az=13.2.
CSEM Event type ke. Error ellipse: s-maj=12.4km s-min=6.6km az=8.0.
THE Event type ke. Error ellipse: s-maj=5.8km s-min=1.4km az=194.0.
IDC Error ellipse: s-maj=250.5km s-min=23.1km az=141.0.
ISC XII 09 03 49 25.4–.83 34.71N–.05 24.15E–.05 20–5 3.8b,3.6s 66 0-99
ISCJB XII 09 03 49 23.3–.92 34.59N–.05 24.19E–.06 24–5 3.8b,3.6s **¶12076462**
CSEM XII 09 03 49 24.2–.44 34.63N 24.20E 12 2.8,3.6s
ATH XII 09 03 49 25.8 34.76N 24.13E 22–1 2.8,3.6s
NEIC XII 09 03 49 25.7 34.75N 24.12E 22 2.8L,3.6s
THE XII 09 03 49 27.7 34.90N 24.23E 1–2 3.1L,3.6s
IDC XII 09 03 49 28.6–5.1 34.57N 24.36E 55–51 3.6b,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=7.5km az=29.2.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=8.4km az=25.0.
ATH Error ellipse: s-maj=2.4km s-min=1.2km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=146.0.
IDC Error ellipse: s-maj=66.0km s-min=21.7km az=139.0.
ISC XII 09 19 12 27.3–1.5 34.10N–.06 26.19E–.04 12–9 3.8b 69 1-65
ISCJB XII 09 19 12 26.3–1.2 34.00N–.07 26.23E–.06 17–9 3.8b **¶12076597**
ATH XII 09 19 12 26.8 34.09N 26.18E 11–1 3.6
IDC XII 09 19 12 26.4–1.1 34.32N 26.13E 0 3.9b,3.8
CSEM XII 09 19 12 28.9–.46 34.15N 26.22E 20 3.6,3.8
NEIC XII 09 19 12 28.7–5.2 34.25N 26.24E 18–36 3.6,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=7.4km az=17.9.
ATH Error ellipse: s-maj=1.6km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=26.3km s-min=19.0km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=16.3km s-min=8.6km az=20.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=10.1km az=201.0.
ISC XII 10 01 55 00.8–.25 34.10N–.02 26.17E–.02 40–3 4.2b 462 1-116
ATH XII 10 01 54 56.4 34.02N 26.15E 14–1 3.4L **¶13402372**
IDC XII 10 01 54 56.3–.77 34.25N 26.14E 0 4.2b,4.1
NEIC XII 10 01 54 58.1–2.2 34.19N 26.11E 12–15 4.3b,4.1
CSEM XII 10 01 54 58.9–.12 34.15N 26.18E 20 4.3b,3.2s
ISCJB XII 10 01 54 59.1–.28 34.07N–.02 26.21E–.02 48–4 4.2b,3.2s
SGS XII 10 01 54 59.5 33.99N 25.77E 61 4.2b,3.2s
MOS XII 10 01 55 00.3–1.2 34.35N 26.04E 33 4.5b,3.2s
HLW XII 10 01 55 00.2 34.27N 26.14E 26–12 3.9L,3.3
THE XII 10 01 55 04.9 34.62N 26.05E 1–2 3.5L,3.3
ISC Event type ke.
ATH Error ellipse: s-maj=1.8km s-min=1.1km az=-1.0.
IDC Error ellipse: s-maj=16.7km s-min=13.8km az=165.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.9km az=192.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.8km az=44.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=135.0.
MOS Error ellipse: s-maj=8.5km s-min=4.4km az=110.1.
THE Event type ke. Error ellipse: s-maj=7.0km s-min=1.5km az=171.0.
ISC XII 12 04 12 48.5–2.3 34.18N–.04 26.20E–.04 20–16 4.0b 163 2-79
ISCJB XII 12 04 12 45.8–1.8 34.17N–.04 26.24E–.04 16–16 4.0b **¶11538947**
IDC XII 12 04 12 46.0–.88 34.21N 26.10E 0 4.0b,4.0
CSEM XII 12 04 12 47.1–.10 34.20N 26.19E 10 4.1b,4.0
NEIC XII 12 04 12 52.2–1.2 34.27N 26.11E 46–10 4.1b,4.0
HLW XII 12 04 12 53.6 34.07N 26.31E 35–19 4.0,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=4.7km az=37.3.
IDC Error ellipse: s-maj=20.2km s-min=15.5km az=160.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=2.7km az=49.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.7km az=167.0.
ISC XII 12 14 00 03.9–.78 34.71N–.07 26.98E–.08 35 31 1-10
ISCJB XII 12 14 00 02.1–.76 34.63N–.07 27.03E–.08 33 **¶13402558**
CSEM XII 12 14 00 02.9–.22 34.84N 27.02E 80 2.9L
ATH XII 12 14 00 03.4 34.65N 26.83E 73–5 2.9L
HLW XII 12 14 00 05.9 34.74N 27.07E 32–13 3.8,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=5.4km az=40.8.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=3.1km az=33.0.
ATH Error ellipse: s-maj=3.0km s-min=1.5km az=-1.0.
ISC XII 15 22 24 18.6–2.1 34.72N–.09 23.7E–.10 24–7 29 0-3
CSEM XII 15 22 24 18.7–.55 34.75N 23.70E 21–2 2.9L **¶13402888**
ATH XII 15 22 24 18.1 34.71N 23.74E 28–1 3.6
THE XII 15 22 24 20.0 34.75N 23.77E 22–1 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=7.5km az=57.0.
ATH Error ellipse: s-maj=1.7km s-min=2.3km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=235.0.
ISC XII 16 01 57 32.4–1.3 34.73N–.07 25.46E–.05 13–6 43 1-3
ISCJB XII 16 01 57 31.7–1.3 34.73N–.07 25.46E–.05 12–6 **¶13402896**
ATH XII 16 01 57 31.3 34.67N 25.42E 24–2 3.6
CSEM XII 16 01 57 33.8–.66 34.77N 25.45E 26–2 2.6L
THE XII 16 01 57 33.4 34.80N 25.45E 6–2 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.3km s-min=5.7km az=165.8.
ATH Error ellipse: s-maj=4.5km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=16.4km s-min=6.6km az=167.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.1km az=335.0.
ISC XII 16 04 38 56.9–1.4 34.47N–.06 23.62E–.06 11–7 3.7b 90 1-61
IDC XII 16 04 38 54.0–1.2 34.38N 23.63E 0 4.0L,3.8b **¶12077713**
CSEM XII 16 04 38 56.8–.47 34.44N 23.62E 15 3.5,3.8b
ISCJB XII 16 04 38 57.0–1.5 34.41N–.06 23.65E–.06 31–9 3.7b,3.8b
ATH XII 16 04 38 58.5 34.74N 23.61E 13–2 3.5,3.8b
NEIC XII 16 04 38 58.5 34.74N 23.61E 13 3.5L,3.8b
THE XII 16 04 38 59.1 34.64N 23.60E 4–4 3.2L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=22.2km az=147.0.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=8.6km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=8.1km az=20.2.
ATH Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=6.3km s-min=2.2km az=156.0.
ISC XII 16 12 07 54.9–.60 35.41N–.02 26.57E–.03 30–5 3.8b 203 0-80
ISK XII 16 12 07 47.7 35.08N 26.37E 32 3.8 **¶12077753**
ISCJB XII 16 12 07 53.8–.31 35.37N–.02 26.63E–.03 40–6 3.8b
NEIC XII 16 12 07 53.5 35.61N 26.52E 26 3.4L
DDA XII 16 12 07 54.0 35.62N 26.79E 6–1 3.3
ATH XII 16 12 07 53.5 35.61N 26.52E 26–1 3.4
THE XII 16 12 07 54.5 35.55N 26.53E 8–4 3.8L
CSEM XII 16 12 07 55.2–.16 35.45N 26.56E 37–1 3.8L
HLW XII 16 12 07 55.7 35.60N 26.73E 14–9 4.2,3.4L
IDC XII 16 12 07 57.5–2.7 35.35N 26.74E 54–27 3.9L,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=42.9.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.7km s-min=0.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.4km s-min=0.8km az=158.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=25.0.
IDC Error ellipse: s-maj=21.2km s-min=15.4km az=146.0.
ISC XII 21 00 42 27.0–.26 34.34N–.02 26.51E–.02 48–4 3.9b 397 1-81
IDC XII 21 00 42 22.2–.83 34.45N 26.33E 0 3.9L,3.9b **¶13403532**
ISCJB XII 21 00 42 25.4–.28 34.31N–.02 26.55E–.02 55–3 3.9b,3.9b
MOS XII 21 00 42 25.2–1.2 34.46N 26.35E 33 4.3b,3.9b
CSEM XII 21 00 42 27.2–.14 34.35N 26.51E 46–2 4.0b,3.9b
NEIC XII 21 00 42 29.6 34.67N 26.31E 36 4.2b,3.5L
ATH XII 21 00 42 29.6 34.67N 26.31E 36–1 3.7,3.5L
THE XII 21 00 42 29.6 34.55N 26.46E 14–1 3.5L,3.5L
HLW XII 21 00 42 30.0 34.24N 26.49E 33–16 3.0L,2.8
DDA XII 21 00 42 41.1 35.23N 27.40E 17–0 3.7,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=15.2km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=19.8.
MOS Error ellipse: s-maj=10.1km s-min=5.8km az=119.4.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=24.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.6km s-min=0.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=168.0.
ATH XII 21 04 44 40.2 34.01N 26.65E 12–1 3.5
CSEM XII 21 04 44 40.2 34.01N 26.65E 12 3.5 **¶13403548**
ATH Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC XII 21 12 36 10.5–.54 35.61N–.04 26.57E–.03 27–5 3.7b 101 0-44
IDC XII 21 12 35 53.7–1.5 33.88N 25.86E 0 3.8b,3.6 **¶12078456**
ATH XII 21 12 36 08.8 35.68N 26.57E 32–1 3.4,3.6
ISCJB XII 21 12 36 10.3–.53 35.62N–.03 26.59E–.03 32–5 3.7b,3.6
THE XII 21 12 36 10.3 35.63N 26.57E 15–2 3.3L,3.6
CSEM XII 21 12 36 11.0–.17 35.61N 26.57E 37–1 3.3L,3.6

DDA XII 21 12 36 17.8 35.99N 27.30E 27–2 3.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=15.5km az=16.0.
ATH Error ellipse: s-maj=0.9km s-min=0.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.0km az=153.5.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=146.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.1km az=150.0.
ISC XII 27 08 27 21.4–.42 34.81N–.03 23.84E–.05 62–5 3.8b 113 1-80
NEIC XII 27 08 27 17.5–2.6 34.96N 23.77E 23–20 4.1b **¶12079143**
IDC XII 27 08 27 19.3–4.5 34.92N 23.81E 41–44 4.4L,3.9
ISCJB XII 27 08 27 19.9–.44 34.76N–.03 23.89E–.05 68–5 3.7b,3.9
CSEM XII 27 08 27 20.1–.16 34.77N 23.68E 60 3.4L,3.9
ATH XII 27 08 27 21.6 35.03N 23.79E 72–4 3.4L,3.9
HLW XII 27 08 27 29.1 34.48N 24.26E 30–13 3.9,3.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.6km az=191.0.
IDC Error ellipse: s-maj=25.1km s-min=21.4km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.5km az=155.1.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.2km az=54.0.
ATH Error ellipse: s-maj=6.3km s-min=3.6km az=-1.0.
ISC XII 29 14 43 52.4–1.7 34.20N–.03 25.66E–.05 18–12 58 1-8
ISCJB XII 29 14 43 50.8–1.4 34.14N–.03 25.67E–.05 17–14 **¶13404324**
ATH XII 29 14 43 51.5 34.17N 25.64E 30–1 3.6
CSEM XII 29 14 43 51.5–.13 34.21N 25.67E 10 3.6
HLW XII 29 14 43 55.5 34.27N 25.69E 33–19 3.9,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=3.9km az=154.4.
ATH Error ellipse: s-maj=1.8km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.6km az=58.0.
ISC XII 30 02 12 33.6–.55 34.38N–.04 26.56E–.08 35 32 1-8
ISCJB XII 30 02 12 32.1–.57 34.32N–.04 26.63E–.08 33 **¶13404377**
HLW XII 30 02 12 33.7 34.50N 26.57E 33–15 3.4,3.1L
CSEM XII 30 02 12 33.6–.18 34.38N 26.58E 60 3.1L,3.1L
ATH XII 30 02 12 37.3 36.03N 26.07E 16–5 3.4,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.1km az=179.1.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.3km az=77.0.
ATH Error ellipse: s-maj=4.1km s-min=1.4km az=-1.0.
ATH XII 31 14 58 40.6 34.73N 24.03E 25–1 3.2
CSEM XII 31 14 58 40.7 34.73N 24.03E 25 3.2 **¶13404490**
ATH Error ellipse: s-maj=2.4km s-min=2.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH XII 31 21 05 24.8 34.61N 23.31E 4–0 3.0
CSEM XII 31 21 05 25.7 34.63N 23.38E 5 3.0 **¶13404521**
ATH Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

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ISC VII 08 01 35 48.1–1.3 33.78N–.02 32.51E–.03 18–10 169 1-9
CSEM VII 08 01 35 46.2–.10 33.79N 32.52E 2 3.7L **¶11153314**
NIC VII 08 01 35 47.1–.30 33.73N 32.40E 40 4.0b,3.7L
NEIC VII 08 01 35 48.6–1.6 33.93N 32.51E 10 3.7L,3.7L
SGS VII 08 01 35 49.5 33.52N 32.19E 6 3.7L,3.7L
HLW VII 08 01 35 51.0 33.65N 32.40E 33–43 3.4L,3.0
NSSC VII 08 01 35 56 34.01N 33.15E 40 3.4L,3.0
ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.9km az=84.0.
NIC Moment Tensor Solution. $M_0$4.10000×10[13]
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=11.8km az=169.0.
NSSC Event type fe.
GRAL VII 10 18 25 18.7–.27 33.26N 34.70E 22–2 3.2
CSEM VII 10 18 25 17.5–.44 33.21N 34.71E 26–2 3.2L **¶11811192**
GRAL Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=2.9km az=102.0.
ISC VII 12 10 24 53.4–.35 34.27N–.04 27.12E–.03 47–7 3.6b 78 1-65
IDC VII 12 10 24 48.4–1.7 34.39N 26.99E 0 3.9b,3.8 **¶12698159**
ISCJB VII 12 10 24 51.9–.37 34.25N–.04 27.15E–.03 58–7 3.6b,3.8
ATH VII 12 10 24 53.3 34.42N 27.06E 86–9 3.6b,3.8
CSEM VII 12 10 24 53.7–.18 34.28N 27.10E 60 3.7L,3.8
HLW VII 12 10 24 56.4 33.95N 27.18E 33–52 3.7L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=20.8km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=24.2.
ATH Error ellipse: s-maj=9.5km s-min=3.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.9km az=27.0.
ISC VII 15 07 58 31.1–2.7 36.0N–.10 28.18E–.09 5–10 18 1-1
CSEM VII 15 07 58 30.7–1.8 35.97N 28.20E 5 2.5L **¶11514286**
ISK VII 15 07 58 33.9 36.11N 28.02E 5 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=28.3km s-min=18.4km az=165.0.
ISC VII 23 16 44 01.6–.78 34.86N–.06 28.0E–.10 35 12 1-8
ISCJB VII 23 16 44 00.1–.76 34.81N–.06 28.1E–.10 35 **¶13389918**
HLW VII 23 16 44 04.8 34.64N 28.17E 35–50 3.1
ATH VII 23 16 44 06.6 36.14N 27.09E 10 3.2
ISCJB Error ellipse: s-maj=12.6km s-min=7.8km az=155.6.
ISC VII 25 02 24 50.3–.18 35.40N–.02 28.90E–.02 49–4 3.8b 309 1-57
IDC VII 25 02 24 44.7–1.4 35.42N 28.84E 0 4.3L,4.0 **¶11153707**
DDA VII 25 02 24 44.5 35.27N 28.79E 18–3 3.6,4.0
ISCJB VII 25 02 24 48.8–.20 35.36N–.02 28.91E–.02 59–4 3.8b,4.0
ISK VII 25 02 24 49.0 35.46N 28.82E 26 3.6,4.0
CSEM VII 25 02 24 50.3–.08 35.40N 28.90E 50–2 3.9b,3.2W
NEIC VII 25 02 24 50.9–.42 35.44N 28.89E 56–5 3.9b,3.8
ATH VII 25 02 24 50.5 35.63N 28.85E 55–5 3.8,3.8
NIC VII 25 02 24 54.0–.40 35.44N 29.28E 55 4.2b,3.8L
THE VII 25 02 24 53.8 35.63N 28.75E 47–3 4.4L,3.8L
HLW VII 25 02 24 54.1 35.07N 28.98E 33–54 3.7L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=28.1km s-min=17.9km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=26.9.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=36.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.2km az=181.0.
ATH Error ellipse: s-maj=1.3km s-min=0.6km az=-1.0.
NIC Moment Tensor Solution. $M_0$5.40000×10[13]
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.5km az=331.0.
ISC VIII 01 13 22 00.5–1.0 35.1N–.10 28.54E–.07 35 32 1-4
ATH VIII 01 13 21 47.9 34.53N 29.39E 45 3.5 **¶13390604**
CSEM VIII 01 13 21 49.3–1.6 34.61N 29.21E 10 3.5
ISCJB VIII 01 13 21 59.0–1.1 35.0N–.10 28.57E–.07 33 3.5
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISK VIII 08 11 59 13.1 35.91N 29.90E 15 3.6
CSEM VIII 08 11 59 13.1 35.91N 29.90E 15 3.6 **¶11525304**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC VIII 13 06 05 28.5–.68 33.13N–.03 34.53E–.04 15–5 132 1-7
ISCJB VIII 13 06 05 27.7–.68 33.14N–.03 34.44E–.04 21–7 **¶11813249**
CSEM VIII 13 06 05 28.0–.15 33.14N 34.51E 10 3.2
GII VIII 13 06 05 29.6–.70 33.06N 34.55E 10–0 3.2,2.6
NEIC VIII 13 06 05 29.7 33.05N 34.55E 10 3.2,2.6
GRAL VIII 13 06 05 32.1–.33 33.23N 34.67E 23–4 3.4,2.6
HLW VIII 13 06 05 32.0 33.03N 34.44E 35–41 3.0L,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=5.0km az=35.5.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=156.0.
GII Event type ke.
NEIC Event type se. After GII.
GRAL Error ellipse: s-maj=2.3km s-min=3.1km az=-1.0.
ISC VIII 15 01 35 41.9–1.0 35.89N–.04 30.74E–.03 29–9 95 1-6
ISK VIII 15 01 35 39.8 35.73N 30.72E 23 3.5L **¶11525383**
DDA VIII 15 01 35 39.9 35.84N 30.86E 21–2 3.4
CSEM VIII 15 01 35 40.5–.45 35.80N 30.71E 20 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.3km s-min=5.5km az=16.0.
ISC IX 12 15 14 28.6–.14 34.71N–.01 28.43E–.01 35 4.4b,3.4s 686 1-115
IDC IX 12 15 14 23.5–.94 34.77N 28.35E 0 4.4L,4.4b **¶13394186**
HLW IX 12 15 14 26.0 34.87N 28.57E 31–45 4.2L,4.1
ISCJB IX 12 15 14 26.3–.14 34.69N–.01 28.44E–.01 33 4.4b,3.4s
BJI IX 12 15 14 26.6 35.13N 28.26E 25 4.4b,3.4s
NEIC IX 12 15 14 27.1–1.2 34.74N 28.36E 24–10 4.4L,4.3L
MOS IX 12 15 14 27.2–1.1 34.85N 28.35E 33 4.5b,4.3L
ISK IX 12 15 14 27.5 34.79N 28.34E 30 4.5L,4.3L
CSEM IX 12 15 14 28.6–.07 34.68N 28.42E 40 4.3b,3.8W
NIC IX 12 15 14 29.8–.10 34.87N 28.54E 35 4.4b,4.1L
ATH IX 12 15 14 29.1 34.87N 28.25E 33–3 4.1L,3.9
THE IX 12 15 14 30.5 34.81N 28.43E 43–3 4.2L,3.9
DDA IX 12 15 14 31.3 35.13N 28.28E 30–4 4.3L,3.9
GII IX 12 15 14 33.2–.57 34.34N 28.71E 32–0 4.3L,3.9
NSSC IX 12 15 14 48 34.78N 30.21E 40 4.3L,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=23.1km s-min=12.6km az=14.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=32.7.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.9km az=216.0.
MOS Error ellipse: s-maj=8.7km s-min=5.5km az=77.5.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=37.0.
NIC Moment Tensor Solution. $M_0$4.40000×10[14]
ATH Error ellipse: s-maj=1.7km s-min=1.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.3km az=168.0.
GII Error ellipse: s-maj=4.0km s-min=4.7km az=-1.0.
NSSC Event type fe.
ISC IX 16 18 12 16.4–.84 35.41N–.02 29.61E–.03 33–8 134 1-8
ATH IX 16 18 12 14.7 35.39N 29.61E 41–3 3.5 **¶11660774**
ISK IX 16 18 12 14.6 35.45N 29.67E 19 3.3,3.3L
CSEM IX 16 18 12 16.5–.09 35.40N 29.61E 40 3.1,3.3L
HLW IX 16 18 12 16.6 35.32N 29.63E 33–41 3.6,3.3L
DDA IX 16 18 12 22.8 36.13N 29.37E 28–2 3.1,3.3L
ISC Event type ke.
ATH Error ellipse: s-maj=2.8km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=68.0.
ISC IX 19 16 48 19.9–.24 35.09N–.02 29.10E–.02 38–6 3.8b 237 1-57
HLW IX 19 16 48 13.8 35.48N 28.96E 33–29 3.6,3.5L **¶11322794**
IDC IX 19 16 48 15.2–1.9 35.08N 29.03E 0 4.0L,3.9b
NEIC IX 19 16 48 17.0–.57 35.11N 29.05E 10 3.9b,3.8
ISCJB IX 19 16 48 18.3–.26 35.05N–.02 29.11E–.02 44–5 3.8b,3.8
ISK IX 19 16 48 19.8 35.26N 29.13E 32 3.8,3.8
DDA IX 19 16 48 19.4 35.47N 29.31E 20–3 3.6,3.8
CSEM IX 19 16 48 19.6–.09 35.10N 29.11E 30 3.6,3.5W
ATH IX 19 16 48 20.7 35.33N 28.89E 28–8 3.9,3.5W
NIC IX 19 16 48 22.8–.20 34.90N 29.38E 40 3.6L,3.5W
ISC Event type ke.
IDC Error ellipse: s-maj=37.7km s-min=17.7km az=41.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=4.9km az=204.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=30.7.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=47.0.
ATH Error ellipse: s-maj=1.3km s-min=6.1km az=-1.0.
NIC Moment Tensor Solution. $M_0$1.70000×10[14]
ISC IX 26 08 26 47.3–.97 35.26N–.09 29.44E–.09 35 22 1-8
HLW IX 26 08 26 45.0 35.43N 29.56E 33–29 3.2L **¶13395239**
ISCJB IX 26 08 26 45.9–.92 35.17N–.08 29.42E–.08 33 3.2L
ATH IX 26 08 26 59.0 36.25N 28.07E 59–1 3.4
ISCJB Error ellipse: s-maj=13.6km s-min=6.3km az=38.1.
ATH Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0.
ISC IX 28 05 07 53.4–.82 34.69N–.04 28.8E–.10 35 21 2-6
HLW IX 28 05 07 50.2 34.92N 28.61E 33–41 3.3 **¶13545756**
ISCJB IX 28 05 07 51.9–.82 34.64N–.04 28.9E–.10 33 3.3
CSEM IX 28 05 08 06.6 36.07N 28.39E 7 2.9
DDA IX 28 05 08 06.6 36.07N 28.39E 7–6 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=5.0km az=167.7.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC X 11 08 34 33.3–.13 35.77N–.01 28.02E–.01 64–2 4.3b 913 0-81
BJI X 11 08 34 24.3 35.19N 27.00E 35 5.0b,4.7s **¶13396636**
MOS X 11 08 34 27.6–1.2 35.57N 27.98E 33 4.4b,4.7s
ISK X 11 08 34 28.7 35.61N 27.80E 35 4.7L,4.7s
ISCJB X 11 08 34 31.6–.15 35.75N–.01 28.04E–.01 67–2 4.2b,4.7s
IDC X 11 08 34 31.6–2.0 35.92N 27.94E 38–17 4.3L,4.1
SZGRF X 11 08 34 31.4 36.05N 28.23E 33 4.3b,4.1
NEIC X 11 08 34 33.2 35.89N 27.96E 52 4.3b,4.1
ATH X 11 08 34 33.2 35.89N 27.96E 53–1 4.3L,4.1
DDA X 11 08 34 33.5 35.88N 28.06E 53–6 4.6L,4.1
CSEM X 11 08 34 33.0–.07 35.76N 28.00E 50 4.3b,3.9W
THE X 11 08 34 33.9 35.79N 28.06E 43–1 4.3L,3.9W
HLW X 11 08 34 35.0 35.53N 28.09E 33–45 4.9L,4.1
NIC X 11 08 34 34.6–.20 35.59N 28.13E 45 4.5b,4.1L
SGS X 11 08 34 35.3 35.62N 27.99E 50 4.5b,4.1L
NSSC X 11 08 34 54 35.68N 30.01E 39 4.5b,4.1L
ISC Event type fe.
MOS Error ellipse: s-maj=9.0km s-min=3.3km az=125.4.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.6km az=37.2.
IDC Error ellipse: s-maj=13.1km s-min=12.1km az=158.0.
SZGRF Dodecanese Islands, Greece.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.5km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=38.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=121.0.
NIC Moment Tensor Solution. $M_0$4.80000×10[14]
NSSC Event type fe.
ISC X 21 02 43 15.0–1.5 35.99N–.06 30.99E–.05 12–10 52 1-4
DDA X 21 02 43 05.2 35.63N 31.48E 7–6 3.2 **¶11661450**
ISCJB X 21 02 43 14.1–1.5 36.01N–.06 31.03E–.05 6–10 3.2
ISK X 21 02 43 14.6 36.03N 31.02E 14 3.5
CSEM X 21 02 43 15.4–.22 36.02N 30.99E 15 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.9km s-min=5.2km az=22.4.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.8km az=24.0.
ATH X 28 06 54 31.3 33.87N 25.56E 24–1 3.7
CSEM X 28 06 54 31.3 33.87N 25.56E 24 3.7 **¶13398335**
ATH Error ellipse: s-maj=1.8km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC X 30 22 16 40.5–1.8 35.91N–.08 28.99E–.08 9–8 28 1-2
CSEM X 30 22 16 39.8–1.1 35.87N 29.01E 10 2.8 **¶11661635**
ISK X 30 22 16 41.5 36.07N 28.93E 19 2.1L
DDA X 30 22 16 42.2 36.05N 29.05E 7–5 2.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=20.2km s-min=11.0km az=174.0.
ISC XI 02 05 38 35.4–.95 34.89N–.07 27.16E–.05 10 57 1-4
ATH XI 02 05 38 33.3 34.84N 27.24E 15–4 3.5 **¶13398989**
CSEM XI 02 05 38 34.6–.65 34.92N 27.16E 2 2.6L
ISCJB XI 02 05 38 35.1–.90 34.95N–.07 27.18E–.05 10 2.6L
THE XI 02 05 38 38.1 35.22N 26.90E 0–3 2.6L
DDA XI 02 05 38 41.0 35.51N 27.37E 6–3 3.6
ISC Event type ke.
ATH Error ellipse: s-maj=3.7km s-min=3.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=17.6km s-min=6.0km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=3.9km az=155.2.
THE Event type ke. Error ellipse: s-maj=11.5km s-min=1.1km az=147.0.
ISC XI 03 19 34 31.2–.15 35.78N–.01 28.02E–.02 69–3 3.9b 489 0-41
ISK XI 03 19 34 26.5 35.70N 27.92E 14 4.3,4.0L **¶13399134**
ISCJB XI 03 19 34 29.7–.16 35.77N–.01 28.04E–.02 74–3 3.9b,4.0L
DDA XI 03 19 34 30.8 35.88N 27.91E 60–7 3.7,4.0L
NEIC XI 03 19 34 31.7–.99 35.72N 28.09E 85–16 4.0b,4.0L
CSEM XI 03 19 34 31.4–.12 35.79N 28.03E 68–2 4.1b,3.5s
ATH XI 03 19 34 32.3 35.94N 27.81E 42–1 3.5,3.5s

THE XI 03 19 34 32.5 35.84N 27.99E 43–2 3.9L,3.5s
HLW XI 03 19 34 32.0 35.66N 28.16E 31–41 3.7L,3.6
IDC XI 03 19 34 33.5–2.1 35.71N 28.31E 101–28 3.5b,3.5
NIC XI 03 19 34 37.9–.20 35.87N 28.67E 36 4.2b,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=29.3.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.4km az=222.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=175.0.
ATH Error ellipse: s-maj=1.5km s-min=2.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=118.0.
IDC Error ellipse: s-maj=18.0km s-min=14.0km az=89.0.
NIC Moment Tensor Solution. $M_0$1.40000×10^{14}
ISC XI 03 22 42 01.2–1.8 35.96N–.10 28.40E–.05 8–6 23 1-2
CSEM XI 03 22 42 01.3–.73 35.97N 28.41E 8 2.8 **¶12072182**
ISK XI 03 22 42 01.7 36.03N 28.50E 24 2.8
DDA XI 03 22 42 02.7 36.12N 28.43E 7–2 2.7
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=15.7km s-min=5.8km az=9.0.
ISC XI 04 19 27 50.7–1.2 35.89N–.07 30.55E–.07 10 33 1-3
DDA XI 04 19 27 48.4 35.81N 30.33E 7–3 3.3 **¶12072284**
ISCJB XI 04 19 27 50.7–1.2 35.93N–.07 30.57E–.07 10 3.3
ISK XI 04 19 27 50.1 35.96N 30.65E 7 3.1
CSEM XI 04 19 27 52.3–.72 36.05N 30.58E 10 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=6.5km az=30.3.
CSEM Event type ke. Error ellipse: s-maj=18.5km s-min=9.0km az=15.0.
ISC XI 06 11 44 59.1–.40 33.70N–.04 28.51E–.05 35 63 2-7
ISCJB XI 06 11 44 57.4–.41 33.67N–.04 28.53E–.05 33 **¶13545854**
CSEM XI 06 11 44 57.4–.18 33.83N 28.62E 20 2.9L
HLW XI 06 11 44 58.9 33.69N 28.54E 32–34 3.5L,3.4
THE XI 06 11 45 00.0 33.78N 28.42E 9–14 3.5L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.4km az=135.9.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=3.1km az=45.0.
THE Event type ke. Error ellipse: s-maj=19.5km s-min=1.4km az=136.0.
ISC XI 07 23 12 53.7–1.2 35.86N–.06 28.04E–.08 14–8 26 0-2
ATH XI 07 23 12 55.2 35.67N 27.98E 41–3 3.1 **¶15108592**
CSEM XI 07 23 12 55.2 35.67N 27.98E 41 3.1
ISK XI 07 23 12 56.2 36.06N 28.14E 16 2.7
ISC Event type ke.
ATH Error ellipse: s-maj=4.6km s-min=4.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC XI 09 05 16 46.3–.38 34.91N–.02 30.75E–.04 38–10 3.7b 93 1-40
IDC XI 09 05 16 37.8–4.1 34.76N 30.11E 0 3.8b,3.7 **¶11490412**
ISK XI 09 05 16 41.9 35.02N 30.84E 5 3.7,3.7
ISCJB XI 09 05 16 44.7–.39 34.89N–.03 30.74E–.04 61–11 3.7b,3.7
CSEM XI 09 05 16 46.2–.20 34.94N 30.74E 40 3.2W,3.7
NIC XI 09 05 16 46.8–.20 34.86N 30.84E 45 3.2L,3.2W
NEIC XI 09 05 16 46.8 34.88N 30.83E 45 3.3,3.2W
HLW XI 09 05 16 47.2 34.80N 30.63E 33–30 3.4L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=77.7km s-min=25.9km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=174.5.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=5.1km az=95.0.
NIC Moment Tensor Solution. $M_0$5.50000×10^{13}
NEIC Event type se. After NIC.
ISC XI 17 00 14 49.7–.15 35.75N–.01 28.04E–.02 65–3 3.9b 533 0-81
DDA XI 17 00 14 47.4 35.79N 28.01E 47–4 3.7 **¶11484387**
ISCJB XI 17 00 14 48.1–.16 35.73N–.01 28.06E–.02 69–3 3.9b
NEIC XI 17 00 14 48.5 35.84N 28.06E 56 3.8b
ATH XI 17 00 14 48.5 35.84N 28.06E 56–2 3.7L
ISK XI 17 00 14 48.1 35.85N 27.93E 21 3.9L
CSEM XI 17 00 14 49.7–.08 35.75N 28.05E 60 4.0b,3.5W
SGS XI 17 00 14 49.7 35.85N 28.02E 49 4.0b,3.5W
HLW XI 17 00 14 50.3 35.68N 28.20E 31–41 3.9L,3.5
IDC XI 17 00 14 51.9–1.6 35.73N 28.29E 90–18 3.8b,3.7
THE XI 17 00 14 51.5 35.83N 27.97E 30–5 3.8L,3.7
NIC XI 17 00 14 52.0–.10 35.76N 28.26E 40 4.3b,3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=40.2.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.8km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=44.0.
IDC Error ellipse: s-maj=13.5km s-min=12.9km az=17.0.
THE Event type ke. Error ellipse: s-maj=5.8km s-min=0.7km az=101.0.
NIC Moment Tensor Solution. $M_0$1.40000×10^{14}
ISC XII 01 23 22 16.9–.89 35.68N–.03 28.37E–.04 29–8 81 1-9
ISCJB XII 01 23 22 15.5–.83 35.62N–.03 28.40E–.04 30–8 **¶12864840**
CSEM XII 01 23 22 16.1–.17 35.64N 28.35E 20 3.4
ISK XII 01 23 22 16.6 35.63N 28.24E 33 3.5
ATH XII 01 23 22 16.3 35.73N 28.33E 35–1 3.4
HLW XII 01 23 22 21.3 35.41N 28.35E 31–17 3.5,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=22.4.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.4km az=99.0.
ATH Error ellipse: s-maj=1.2km s-min=0.5km az=-1.0.
ISC XII 03 04 24 58.9–.86 35.24N–.08 28.74E–.10 35 26 1-8
ISCJB XII 03 04 24 57.4–.85 35.14N–.07 28.77E–.10 33 **¶13401767**
HLW XII 03 04 24 57.2 35.42N 28.72E 10–12 3.6
CSEM XII 03 04 24 58.8–.29 35.28N 28.75E 40 3.6L
ATH XII 03 04 25 03.2 35.94N 28.05E 85–1 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=6.3km az=137.7.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=5.2km az=43.0.
ATH Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0.
ISC XII 05 06 20 13.0–.36 35.98N–.03 28.02E–.03 79–7 119 0-9
ISCJB XII 05 06 20 11.7–.35 35.96N–.03 28.03E–.03 88–6 **¶12864942**
ATH XII 05 06 20 12.2 35.99N 28.00E 81–0
CSEM XII 05 06 20 12.9–.12 35.96N 28.03E 80 3.3
DDA XII 05 06 20 13.0 36.20N 28.06E 26–3 3.0
ISK XII 05 06 20 14.0 36.19N 28.00E 84 3.3
HLW XII 05 06 20 15.7 35.75N 27.99E 22–11 3.4,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=149.6.
ATH Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=136.0.
ISC XII 11 01 45 54.1–.85 35.93N–.05 29.36E–.03 17–4 77 0-4
ISK XII 11 01 45 51.1 35.83N 29.37E 14 3.1 **¶12865092**
ISCJB XII 11 01 45 53.6–.87 35.88N–.05 29.41E–.04 26–7 3.1
ATH XII 11 01 45 53.5 36.08N 29.41E 36–0 3.4
DDA XII 11 01 45 54.7 36.07N 29.29E 26–1 3.3
CSEM XII 11 01 45 54.3–.30 35.94N 29.39E 20 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.5km az=160.1.
ATH Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=3.7km az=162.0.
ISC XII 11 02 13 40.8–1.1 36.00N–.05 29.30E–.05 4–6 51 0-3
ATH XII 11 02 13 32.3 35.83N 29.95E 58–1 3.0 **¶12865091**
CSEM XII 11 02 13 40.4–.48 35.98N 29.31E 2 3.1
DDA XII 11 02 13 40.9 36.14N 29.11E 7–6 3.1
ISK XII 11 02 13 41.1 36.05N 29.31E 7 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=5.5km az=172.0.
ISC XII 11 10 35 13.1–.86 35.92N–.02 29.37E–.04 15–6 92 0-8
ISK XII 11 10 35 10.5 35.91N 29.32E 3 3.4 **¶12865080**
ATH XII 11 10 35 11.5 36.12N 29.59E 50–6 3.1
ISCJB XII 11 10 35 12.7–.90 35.85N–.02 29.40E–.04 28–9 3.1
CSEM XII 11 10 35 13.5–.26 35.96N 29.34E 15 3.3
DDA XII 11 10 35 14.4 36.04N 29.21E 18–0 3.3
HLW XII 11 10 35 18.8 35.74N 29.49E 26–11 3.6,2.9L
ISC Event type ke.
ATH Error ellipse: s-maj=2.7km s-min=4.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=163.2.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.7km az=176.0.
ISC XII 25 12 43 52.0–.21 35.71N–.02 30.31E–.02 44–5 3.9b 261 1-82
DDA XII 25 12 43 47.8 35.70N 30.26E 10–6 3.8 **¶12078934**
ISK XII 25 12 43 49.6 35.80N 30.35E 17 3.7L
ISCJB XII 25 12 43 50.1–.24 35.67N–.02 30.30E–.02 48–5 3.9b
CSEM XII 25 12 43 50.5–.09 35.74N 30.32E 20 4.0
NEIC XII 25 12 43 51.0 35.82N 30.36E 41 3.7
THE XII 25 12 43 52.4 35.78N 30.09E 2–7 3.9L
IDC XII 25 12 43 52.5–1.5 35.74N 30.41E 49–16 3.9,3.8
ATH XII 25 12 43 54.0 35.67N 29.69E 12–8 4.0,3.8
HLW XII 25 12 43 54.2 35.68N 30.27E 33–17 3.8,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=27.1.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=43.0.
NEIC Event type se. After ISK.
THE Event type ke. Error ellipse: s-maj=14.8km s-min=1.5km az=108.0.
IDC Error ellipse: s-maj=13.6km s-min=10.8km az=67.0.
ATH Error ellipse: s-maj=9.9km s-min=6.3km az=-1.0.
ISC XII 29 20 16 09.7–.80 35.79N–.07 28.59E–.07 35 28 1-9
ISCJB XII 29 20 16 08.1–.79 35.72N–.07 28.65E–.07 33 **¶13404358**
CSEM XII 29 20 16 09.4–.24 35.77N 28.60E 30 3.8L
ATH XII 29 20 16 09.9 36.08N 28.36E 68–2 3.8L
HLW XII 29 20 16 12.9 35.66N 28.56E 33–16 3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=5.5km az=36.1.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=3.8km az=36.0.
ATH Error ellipse: s-maj=5.2km s-min=3.5km az=-1.0.

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ISC VII 02 11 15 48.2–1.6 34.80N–.09 32.65E–.06 0–13 22 0-2
NIC VII 02 11 15 47.9–.10 34.88N 32.53E 25 2.8W,2.7L **¶11153244**
CSEM VII 02 11 15 48.2–.69 34.80N 32.64E 2 2.8W,2.7L
ISK VII 02 11 15 52.8 35.05N 32.94E 14 3.0,2.7L
ISC Event type ke.
NIC Moment Tensor Solution. $M_0$1.70000×10^{13}
CSEM Event type ke. Error ellipse: s-maj=16.2km s-min=7.5km az=8.0.
ISC VII 04 06 13 48.3–.54 34.89N–.05 33.62E–.03 39–9 79 0-4
ISK VII 04 06 13 44.7 34.72N 33.71E 28 3.4L **¶11153269**
DDA VII 04 06 13 45.2 35.11N 33.72E 7–5 3.5
ISCJB VII 04 06 13 47.5–.58 34.90N–.05 33.63E–.03 47–7 3.5
NEIC VII 04 06 13 48.6 34.99N 33.57E 41 3.4
NIC VII 04 06 13 48.6–.30 34.99N 33.57E 41 3.4L,3.3W
GRAL VII 04 06 13 48.4–1.3 34.97N 33.62E 48–13 3.4,3.3W
CSEM VII 04 06 13 48.4–.13 34.95N 33.63E 30 3.3W,3.3W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.7km az=4.2.
NEIC Event type se. After NIC.
NIC Moment Tensor Solution. $M_0$6.50000×10^{13}
GRAL Error ellipse: s-maj=18.1km s-min=6.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=46.0.
ISC VII 06 11 25 52.4–.57 35.34N–.04 31.51E–.05 44–13 3.3b 86 1-39
IDC VII 06 11 25 48.3–3.4 35.46N 31.73E 0 3.6b,3.5 **¶11153292**
NIC VII 06 11 25 48.5–.10 35.58N 31.26E 35 3.5L,3.5W
NEIC VII 06 11 25 48.5 35.58N 31.26E 35 3.7,3.5L
ISK VII 06 11 25 50.3 35.30N 31.51E 59 3.7,3.5L
ISCJB VII 06 11 25 51.0–.57 35.31N–.04 31.51E–.05 56–11 3.3b,3.5L
CSEM VII 06 11 25 52.3–.25 35.34N 31.51E 40 3.5W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=69.0km s-min=21.6km az=58.0.
NIC Moment Tensor Solution. $M_0$2.40000×10^{14}
NEIC Event type se. After NIC.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.9km az=41.4.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.8km az=32.0.
ISC VII 06 18 37 20.6–.30 34.88N–.02 33.95E–.03 56–6 124 0-9
DDA VII 06 18 37 16.5 34.91N 33.93E 17–3 3.5 **¶11153299**
ISK VII 06 18 37 18.8 34.79N 34.00E 44 3.6
NEIC VII 06 18 37 19.0 34.83N 34.00E 30 3.5,3.4L
ISCJB VII 06 18 37 19.3–.29 34.86N–.02 33.92E–.03 68–5 3.5,3.4L
CSEM VII 06 18 37 20.7–.13 34.89N 33.92E 49–4 3.5W,3.4L
NIC VII 06 18 37 21.8–.20 34.98N 33.86E 49 3.5W,3.4L
GRAL VII 06 18 37 21.9–1.3 34.83N 33.93E 43–14 3.4,3.4L
HLW VII 06 18 37 23.0 34.76N 33.55E 31–34 3.1,2.6L
ISC Event type ke.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=32.9.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=32.0.
NIC Moment Tensor Solution. $M_0$1.70000×10^{14}
GRAL Error ellipse: s-maj=12.8km s-min=5.7km az=-1.0.
ISC VII 16 00 55 50.0–.77 34.36N–.02 32.13E–.04 5–5 103 1-7
ISK VII 16 00 55 47.4 34.11N 32.14E 22 3.6L **¶11153423**
ISCJB VII 16 00 55 48.9–1.0 34.33N–.02 32.07E–.04 8–8 3.6L
NIC VII 16 00 55 49.7–.20 34.33N 31.90E 25 3.6L,3.4W
NEIC VII 16 00 55 49.7 34.33N 31.90E 25 3.6L,3.6L
CSEM VII 16 00 55 50.1–.16 34.39N 32.12E 5 3.4W,3.6L
HLW VII 16 00 55 52.4 34.44N 32.11E 32–48 3.3L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=15.5.
NIC Moment Tensor Solution. $M_0$1.60000×10^{14}
NEIC Event type se. After NIC.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=73.0.
ISC VII 25 03 52 28.3–1.0 35.78N–.03 31.05E–.03 6–7 3.6b 138 1-55
IDC VII 25 03 52 22.9–1.9 35.81N 30.75E 0 3.7b,3.6 **¶11153708**
NIC VII 25 03 52 26.2–.30 36.09N 31.07E 5 3.6L,3.4W
DDA VII 25 03 52 28.4 35.78N 31.09E 29–2 3.5,3.4W
ISK VII 25 03 52 28.6 35.87N 31.12E 8 3.5,3.4W
NEIC VII 25 03 52 30.0 35.95N 31.18E 5 3.6,3.6L
CSEM VII 25 03 52 31.1–.21 35.75N 31.04E 40 3.4W,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=39.4km s-min=16.6km az=60.0.
NIC Moment Tensor Solution. $M_0$9.00000×10^{13}
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.2km az=34.0.
ISC VII 26 04 18 35.6–1.5 35.39N–.04 31.30E–.03 34–12 3.8b,3.0s 207 1-55
SZGRF VII 26 04 18 06.7 32.10N 31.31E 33 4.1b,3.0s **¶11153764**
ISK VII 26 04 18 27.8 35.08N 31.12E 10 3.7L,3.0s
NIC VII 26 04 18 29.5–.20 35.65N 30.91E 36 4.3b,4.1L
IDC VII 26 04 18 31.4–1.8 35.48N 31.46E 0 3.8b,3.7
DDA VII 26 04 18 33.0 35.59N 31.32E 4–0 3.5,3.7
ISCJB VII 26 04 18 34.1–.48 35.39N–.04 31.29E–.04 36–5 3.9b,3.0s
NEIC VII 26 04 18 36.1–.71 35.48N 31.42E 36–10 4.1L,3.9b
CSEM VII 26 04 18 36.3–.15 35.43N 31.34E 40 3.9b,3.6W
ISC Event type ke.
SZGRF Eastern Mediterranean Sea.
NIC Moment Tensor Solution. $M_0$2.20000×10^{14}
IDC Error ellipse: s-maj=36.6km s-min=19.4km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.6km az=30.2.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.2km az=204.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.2km az=36.0.
ISC VII 26 04 22 00.3–1.1 35.43N–.04 31.31E–.04 9–7 3.6b 83 1-55
SZGRF VII 26 04 21 31.6 32.32N 32.09E 33 4.0b **¶11514494**
IDC VII 26 04 21 57.4–3.2 35.46N 31.27E 0 3.8b,3.7
ISK VII 26 04 22 00.4 35.37N 31.36E 8 3.4L,3.7
ISCJB VII 26 04 22 00.5–1.0 35.54N–.05 31.26E–.04 15–7 3.6b,3.7
DDA VII 26 04 22 00.3 35.61N 31.30E 6–0 3.4,3.7
CSEM VII 26 04 22 01.1–.32 35.32N 31.38E 10 3.4,3.7
NEIC VII 26 04 22 01.0 35.40N 31.40E 10 3.5b,3.4L
ISC Event type ke.
SZGRF Eastern Mediterranean Sea.

IDC Error ellipse: s-maj=69.5km s-min=24.0km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.9km az=11.1.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=5.5km az=21.0.
NEIC Event type se. After ISK.
ISC VII 26 04 25 31.5–.84 35.45N–.03 31.34E–.03 7–6 3.6b 152 1-55
SZGRF VII 26 04 25 03.3 32.56N 32.29E 33 4.0b ¶11153765
IDC VII 26 04 25 29.4–1.4 35.49N 31.27E 0 3.8b,3.7
NIC VII 26 04 25 29.3–.20 35.34N 31.00E 46 4.2b,3.9L
NEIC VII 26 04 25 29.0 35.35N 31.36E 8 3.9L,3.7b
ISK VII 26 04 25 32.2 35.36N 31.35E 28 3.6L,3.7b
DDA VII 26 04 25 33.2 35.62N 31.41E 27–0 3.4,3.7b
CSEM VII 26 04 25 34.2–.20 35.40N 31.35E 40 3.5W,3.4
ISC Event type ke.
SZGRF Eastern Mediterranean Sea.
IDC Error ellipse: s-maj=27.6km s-min=17.7km az=54.0.
NIC Moment Tensor Solution. $M_0$1.20000×10^{14}
NEIC Event type se. After ISK.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.2km az=25.0.
ISC VII 26 06 15 59.2–1.2 35.49N–.06 31.53E–.06 4–8 54 1-4
DDA VII 26 06 15 58.9 35.51N 31.53E 14–1 3.3 ¶11514497
ISK VII 26 06 16 00.8 35.60N 31.72E 15 3.5
CSEM VII 26 06 16 01.2–.10 35.56N 31.68E 15 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.2km az=32.0.
ISC VII 27 22 57 06.5–.45 35.41N–.04 31.34E–.04 37–9 3.5b 118 1-55
NIC VII 27 22 56 55.7–.20 35.98N 30.95E 36 4.1b,3.8L ¶11153844
NEIC VII 27 22 57 01.0 35.39N 31.38E 8 3.8L,3.6L
ISK VII 27 22 57 02.4 35.43N 31.37E 8 3.4L,3.6L
IDC VII 27 22 57 03.4–2.6 35.48N 31.66E 0 3.6b,3.5
CSEM VII 27 22 57 03.1–.19 35.44N 31.39E 2 3.4W,3.5
ISCJB VII 27 22 57 04.8–.45 35.37N–.04 31.36E–.04 42–8 3.5b,3.5
DDA VII 27 22 57 08.9 36.49N 31.41E 6–7 3.4,3.5
ISC Event type ke.
NIC Moment Tensor Solution. $M_0$9.20000×10^{13}
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=52.7km s-min=17.6km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=49.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.9km az=39.2.
ISC VII 30 19 37 27.6–1.3 35.54N–.07 31.59E–.05 8–10 43 1-39
CSEM VII 30 19 37 28.2–.68 35.44N 31.55E 2 3.3 ¶11514580
ISK VII 30 19 37 29.3 35.30N 31.49E 30 3.3
DDA VII 30 19 37 30.8 35.99N 31.37E 16–4 3.3
IDC VII 30 19 37 34.5–5.6 35.76N 32.81E 0 3.4b,3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.6km s-min=8.3km az=4.0.
IDC Error ellipse: s-maj=109.2km s-min=34.2km az=77.0.
ISC VII 31 00 10 18.4–.79 35.55N–.05 31.90E–.04 28–9 85 1-4
DDA VII 31 00 10 17.4 35.84N 31.69E 26–12 3.4 ¶11154008
ISCJB VII 31 00 10 17.9–.75 35.56N–.04 31.89E–.04 31–8 3.4
CSEM VII 31 00 10 17.6–.25 35.56N 31.91E 20 2.9W
ISK VII 31 00 10 17.7 35.70N 32.09E 11 3.5
NEIC VII 31 00 10 19.3 35.52N 32.07E 51 3.3
NIC VII 31 00 10 19.3–.20 35.52N 32.07E 51 3.3L,2.9W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.4km az=26.8.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.8km az=47.0.
NEIC Event type se. After NIC.
NIC Moment Tensor Solution. $M_0$1.60000×10^{13}
ISC VIII 01 10 52 37.5–.92 35.96N–.03 31.70E–.03 27–9 96 1-11
ISK VIII 01 10 52 35.8 35.98N 31.70E 20 3.5,3.3L ¶11255413
ISCJB VIII 01 10 52 36.5–.79 35.91N–.03 31.66E–.04 31–8 3.5,3.3L
DDA VIII 01 10 52 37.3 36.54N 31.70E 8–3 3.4L,3.3
CSEM VIII 01 10 52 37.6–.13 35.97N 31.70E 30 3.2W,3.3
NIC VIII 01 10 52 38.8–.30 36.07N 31.94E 35 3.3L,3.2W
HLW VIII 01 10 52 41.3 35.70N 31.38E 35–51 3.3L,3.2W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=148.4.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=57.0.
NIC Moment Tensor Solution. $M_0$5.60000×10^{13}
ISC VIII 08 04 30 07.3–.93 35.29N–.03 31.62E–.04 7–7 4.0b 94 1-34
IDC VIII 08 04 30 05.9–2.6 35.32N 31.63E 0 4.1b,3.9 ¶11255434
NEIC VIII 08 04 30 06.8 35.51N 31.23E 35 3.3L,3.2L
NIC VIII 08 04 30 06.8–.20 35.51N 31.23E 35 3.3W,3.2L
DDA VIII 08 04 30 09.5 35.59N 31.50E 32–4 3.3,3.2L
ISK VIII 08 04 30 09.3 35.43N 31.80E 18 3.5L,3.2L
CSEM VIII 08 04 30 10.9–.27 35.31N 31.63E 40 3.3W,3.2L
HLW VIII 08 04 30 13.9 34.94N 30.80E 9–26 3.3L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=53.3km s-min=18.7km az=57.0.
NEIC Event type se. After NIC.
NIC Moment Tensor Solution. $M_0$7.40000×10^{13}
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=6.9km az=65.0.
ISC VIII 09 23 20 05.4–.62 35.82N–.02 31.11E–.03 18–4 3.4b 146 1-39
DDA VIII 09 23 20 02.6 35.77N 31.07E 7–4 3.5 ¶11255435
ISK VIII 09 23 20 03.4 35.81N 31.06E 9 3.5
NEIC VIII 09 23 20 03.0 35.81N 31.07E 10 3.5,3.5L
IDC VIII 09 23 20 03.9–2.1 36.37N 31.48E 0 3.6,3.5b
ISCJB VIII 09 23 20 04.7–.69 35.76N–.02 31.08E–.03 26–7 3.4b,3.5b
NIC VIII 09 23 20 04.4–.30 36.41N 31.34E 45 3.5L,3.5W
CSEM VIII 09 23 20 04.7–.09 35.82N 31.09E 10 3.5W,3.5W
HLW VIII 09 23 20 07.7 35.79N 30.93E 35–43 3.0L,3.5W
ISC Event type ke.
NEIC Event type se. After ISK.
IDC Error ellipse: s-maj=36.1km s-min=24.3km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=153.8.
NIC Moment Tensor Solution. $M_0$1.30000×10^{14}
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=65.0.
ISC VIII 10 08 32 58.0–.63 35.35N–.02 31.48E–.03 8–4 120 1-7
ISCJB VIII 10 08 32 56.0–.74 35.31N–.02 31.45E–.03 2–6 ¶11255436
DDA VIII 10 08 32 56.9 35.38N 31.48E 9–3 3.1
NEIC VIII 10 08 32 57.0 35.41N 31.54E 5 3.4L,3.4L
ISK VIII 10 08 32 57.2 35.44N 31.57E 5 3.5L,3.4L
NIC VIII 10 08 32 59.0–.20 35.44N 31.39E 55 3.5W,3.4L
CSEM VIII 10 08 33 00.4–.15 35.32N 31.46E 30 3.5W,3.4L
HLW VIII 10 08 33 03.3 35.12N 31.50E 34–31 3.0L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=41.8.
NEIC Event type se. After ISK.
NIC Moment Tensor Solution. $M_0$1.40000×10^{14}
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=77.0.
ISC VIII 10 14 14 29.6–1.3 35.15N–.07 33.18E–.08 49–12 29 0-2
CSEM VIII 10 14 14 28.6–.78 35.20N 33.25E 50–8 2.6W ¶11255437
ISCJB VIII 10 14 14 29.4–1.3 35.16N–.07 33.18E–.07 50–11 2.6W
NEIC VIII 10 14 14 29.4 35.11N 33.16E 51 2.6
NIC VIII 10 14 14 29.4–.30 35.11N 33.16E 51 2.6L,2.6W
ISK VIII 10 14 14 30.4 35.37N 33.12E 14 2.6,2.6W
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.4km s-min=8.1km az=131.0.
ISCJB Event type ke. Error ellipse: s-maj=12.1km s-min=9.0km az=147.3.
NEIC Event type se. After NIC.
NIC Moment Tensor Solution. $M_0$7.30000×10^{12}
ISC VIII 12 06 44 56.5–.89 35.72N–.02 31.19E–.03 16–7 134 1-12
NIC VIII 12 06 44 52.3–.40 36.31N 31.13E 36 4.0b,3.6L ¶11255439
ISK VIII 12 06 44 54.2 35.77N 31.22E 5 3.8,3.6L
DDA VIII 12 06 44 54.5 35.77N 31.15E 17–3 3.7,3.6L
CSEM VIII 12 06 44 54.7–.12 35.72N 31.18E 2 3.3W,3.6L
NEIC VIII 12 06 44 54.0 35.76N 31.22E 5 3.8,3.6L
ISCJB VIII 12 06 44 55.9–1.4 35.66N–.02 31.18E–.04 26–15 3.8,3.6L
HLW VIII 12 06 45 03.4 35.29N 31.18E 35–44 3.4L,3.6L
ISC Event type ke.
NIC Moment Tensor Solution. $M_0$8.10000×10^{13}
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=50.0.
NEIC Event type se. After ISK.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=148.2.
ISC VIII 12 21 34 45.4–.38 34.83N–.02 32.79E–.04 26–3 81 0-5
ISCJB VIII 12 21 34 44.4–.42 34.79N–.02 32.77E–.04 30–4 ¶11255442
CSEM VIII 12 21 34 45.5–.35 34.89N 32.77E 20 3.3W
NEIC VIII 12 21 34 45.5 34.86N 32.80E 25 3.0L
NIC VIII 12 21 34 45.5–.10 34.86N 32.80E 25 3.3W,3.0L
DDA VIII 12 21 34 47.2 35.18N 32.93E 6–0 3.3,3.0L
ISK VIII 12 21 34 47.6 35.28N 32.82E 8 3.5,3.0L
GII VIII 12 21 34 48.0–1.1 34.77N 32.76E 32–3 2.2,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=164.5.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=5.6km az=4.0.
NEIC Event type se. After NIC.
NIC Moment Tensor Solution. $M_0$9.10000×10^{13}
GII Event type ke.
ISC VIII 14 06 25 16.3–.40 34.77N–.02 33.06E–.03 15–3 3.5b 140 0-41
ISK VIII 14 06 25 12.4 34.61N 33.04E 16 3.7L ¶11255445
IDC VIII 14 06 25 13.5–1.2 34.73N 32.96E 0 3.7b,3.6
ISCJB VIII 14 06 25 14.5–.49 34.72N–.02 33.01E–.03 12–3 3.5b,3.6
GII VIII 14 06 25 15.5–.00 34.91N 33.14E 15–2 2.7,3.6
NEIC VIII 14 06 25 16.0 34.81N 33.11E 15 3.7L,3.6L
NIC VIII 14 06 25 16.0–.40 34.81N 33.11E 15 3.7W,3.6L
CSEM VIII 14 06 25 16.1–.13 34.79N 33.04E 15 3.7W,3.6L
DDA VIII 14 06 25 18.3 35.12N 33.21E 3–4 3.5,3.6L
HLW VIII 14 06 25 25.5 34.21N 32.67E 36–48 3.5,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=25.9km s-min=16.4km az=75.0.
ISCJB Event type fe. Error ellipse: s-maj=4.1km s-min=2.9km az=157.7.
GII Event type ke.
NEIC Event type fe. Felt [III] at Limassol and Prastio. After NIC.
NIC Event type fe. Felt earthquake; Maximum Intensity 3; Felt I=III MM at Limassol,Germasogia and Prastio. Moment Tensor Solution. $M_0$3.10000×10^{14}
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=78.0.
ISC VIII 22 13 24 18.7–1.9 34.76N–.10 34.01E–.08 28–6 26 0-3
CSEM VIII 22 13 24 18.5–.55 34.78N 33.99E 25–2 2.9W ¶11255468
ISK VIII 22 13 24 18.0 34.80N 34.03E 25 2.4L
NIC VIII 22 13 24 19.7–.10 34.70N 33.99E 30 2.9W,2.8L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=5.5km az=157.0.
NIC Moment Tensor Solution. $M_0$2.30000×10^{13}
ISC VIII 22 14 21 25.7–1.5 34.84N–.09 34.05E–.08 27–5 30 0-2
CSEM VIII 22 14 21 24.9–.54 34.79N 34.01E 18–2 3.0W ¶11255471
ISK VIII 22 14 21 25.9 34.91N 34.02E 28 2.4L
NIC VIII 22 14 21 25.4–.20 34.75N 33.94E 10 3.0W,2.7L
NEIC VIII 22 14 21 25.4 34.75N 33.94E 10 2.7L,2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=5.8km az=160.0.
NIC Moment Tensor Solution. $M_0$2.70000×10^{13}
NEIC Event type se. After NIC.
ISC VIII 22 17 28 56.6–.64 35.11N–.07 32.93E–.04 22–6 28 0-2
ISCJB VIII 22 17 28 56.5–.69 35.12N–.07 32.93E–.04 23–6 ¶11255473
ISK VIII 22 17 28 56.3 35.27N 32.90E 6 2.2L
CSEM VIII 22 17 28 56.2–.13 35.13N 32.94E 22–1 2.7W
NEIC VIII 22 17 28 57.5 35.12N 32.94E 30 2.6L
NIC VIII 22 17 28 57.5–.30 35.12N 32.94E 30 2.7W,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.1km az=2.4.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=168.0.
NEIC Event type se. After NIC.
NIC Moment Tensor Solution. $M_0$8.90000×10^{12}
ISC VIII 22 17 33 08.6–.52 35.14N–.06 32.91E–.04 21–6 39 0-3
ISK VIII 22 17 33 07.9 35.30N 32.89E 6 2.8L ¶11255474
ISCJB VIII 22 17 33 08.4–.56 35.16N–.06 32.90E–.04 23–6 2.8L
CSEM VIII 22 17 33 08.5–.21 35.16N 32.91E 15 3.1W
NEIC VIII 22 17 33 08.6 35.10N 32.94E 10 3.2L
NIC VIII 22 17 33 08.6–.30 35.10N 32.94E 10 3.2L,3.1W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.3km az=6.5.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.8km az=177.0.
NEIC Event type se. After NIC.
NIC Moment Tensor Solution. $M_0$3.30000×10^{13}
NIC VIII 22 17 39 01.6–.20 35.02N 32.91E 30 2.6W,2.3L ¶11255475
NIC Moment Tensor Solution. $M_0$5.80000×10^{12}
ISC VIII 28 04 38 07.3–.61 35.14N–.07 32.89E–.04 23–6 33 0-2
ISK VIII 28 04 38 05.5 35.32N 32.73E 7 2.5L ¶11255497
ISCJB VIII 28 04 38 07.2–.67 35.16N–.07 32.89E–.05 24–7 2.5L
CSEM VIII 28 04 38 07.1–.42 35.22N 32.86E 15 2.7W
NEIC VIII 28 04 38 08.1 35.10N 32.95E 9 2.9L
NIC VIII 28 04 38 08.1–.30 35.10N 32.95E 9 2.9L,2.7W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.2km az=8.1.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=9.3km az=151.0.
NEIC Event type se. After NIC.
NIC Moment Tensor Solution. $M_0$7.80000×10^{12}
ISC VIII 30 23 45 29.1–.50 34.96N–.05 33.89E–.05 44–15 60 0-7
ISK VIII 30 23 45 26.8 34.86N 33.95E 30 2.7L ¶11255513
ISCJB VIII 30 23 45 28.0–.52 34.92N–.05 33.89E–.05 54–11 2.7L
CSEM VIII 30 23 45 28.8–.15 34.97N 33.88E 30 2.9W
NIC VIII 30 23 45 29.3–.20 35.02N 33.86E 36 2.9W,2.8L
NEIC VIII 30 23 45 29.3 35.02N 33.86E 36 2.9,2.8L
HLW VIII 30 23 45 35.2 34.54N 33.93E 25–26 2.7L,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=7.1km az=156.1.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=43.0.
NIC Moment Tensor Solution. $M_0$1.70000×10^{13}
NEIC Event type se. After NIC.
ISC IX 03 18 06 34.4–.83 35.05N–.05 33.10E–.04 48–7 61 0-3
DDA IX 03 18 06 32.7 35.14N 33.20E 5–1 3.1 ¶11322761
ISCJB IX 03 18 06 33.8–.85 35.06N–.05 33.11E–.04 53–7 3.1
ISK IX 03 18 06 33.6 35.05N 33.12E 49 3.1
CSEM IX 03 18 06 34.3–.39 35.03N 33.14E 42–4 3.2W
NIC IX 03 18 06 34.4–.20 35.06N 33.12E 42 3.2W,3.0L
NEIC IX 03 18 06 34.4 35.06N 33.12E 42 3.1,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.7km az=8.8.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.6km az=177.0.
NIC Moment Tensor Solution. $M_0$5.70000×10^{13}
NEIC Event type se. After NIC.
ISC IX 09 20 12 24.1–.45 34.94N–.03 33.98E–.04 27–4 81 0-7
HLW IX 09 20 12 18.7 35.31N 34.19E 23–14 2.9 ¶11322766
ISCJB IX 09 20 12 23.6–.34 34.91N–.03 34.00E–.03 33 2.9
CSEM IX 09 20 12 23.8–.21 34.92N 33.98E 22–2 2.9W
NEIC IX 09 20 12 24.2 35.10N 33.92E 19 3.0L
ISK IX 09 20 12 24.4 35.00N 33.98E 27 3.2
NIC IX 09 20 12 24.2–.20 35.10N 33.92E 19 3.0L,2.9W
DDA IX 09 20 12 25.1 35.47N 33.97E 16–4 3.4L,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=4.0km az=128.0.
NEIC Event type se. After NIC.
NIC Moment Tensor Solution. $M_0$2.00000×10^{13}
ISC IX 17 01 09 21.3–.11 35.91N–.01 31.68E–.01 89–2 3.9b 819 1-74
SZGRF IX 17 01 08 49.4 33.40N 32.82E 33 4.2b ¶13394480
DDA IX 17 01 09 17.8 35.85N 31.88E 59–4 4.1L
ISCJB IX 17 01 09 19.9–.12 35.90N–.01 31.69E–.01 93–2 3.9b
ISK IX 17 01 09 19.9 35.88N 31.68E 88 4.3L
HLW IX 17 01 09 19.1 36.01N 31.73E 33–73 4.4L,4.1
NEIC IX 17 01 09 19.0 35.90N 31.67E 83 4.0b,4.1

MOS	IX	17 01 09 20.4–.78	35.93N	31.67E	96	4.0b,4.1	
CSEM	IX	17 01 09 21.4–.05	35.93N	31.67E	91–1	4.0b,3.6W	
IDC	IX	17 01 09 21.7–1.4	36.03N	31.71E	86–14	3.8,3.7	
THE	IX	17 01 09 22.5	35.93N	31.61E	36–11	4.4L,3.7	
NIC	IX	17 01 09 24.5–.20	35.93N	31.99E	61	4.2b,4.0L	
GII	IX	17 01 09 25.5–.00	35.64N	31.85E	20–0	4.2b,4.0L	
GRAL	IX	17 01 09 25.5–.94	35.90N	31.98E	63–28	4.2,4.0L	
NSSC	IX	17 01 09 28	35.87N	32.39E	40	4.2,4.0L	
ISC		Event type fe.					
SZGRF		Eastern Mediterranean Sea.					
ISCJB		Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=41.5.					
NEIC		Event type se. After ISK.					
MOS		Error ellipse: s-maj=9.1km s-min=4.1km az=124.0.					
CSEM		Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=46.0.					
IDC		Error ellipse: s-maj=11.9km s-min=10.2km az=54.0.					
THE		Event type ke. Error ellipse: s-maj=11.8km s-min=1.7km az=85.0.					
NIC		Moment Tensor Solution. $M_0$2.20000×10^{14}					
GII		Error ellipse: s-maj=3.7km s-min=1.2km az=-1.0.					
GRAL		Error ellipse: s-maj=18.3km s-min=10.6km az=-1.0.					
NSSC		Event type fe.					
ISK	**IX**	**18 16 54 18.4**	**34.49N**	**32.91E**	**7**	**3.6L**	
CSEM	IX	18 16 54 11.1	34.69N	32.98E	18	3.5L	**¶11322791**
NIC	IX	18 16 54 11.1–.10	34.69N	32.98E	18	3.5L,3.3W	
NEIC	IX	18 16 54 11.1	34.69N	32.98E	18	3.5L,3.3W	
IDC	IX	18 16 54 21.1–1.9	34.53N	32.84E	0	3.7,3.6b	
DDA	IX	18 16 54 22.1	34.74N	33.13E	7–4	3.6L,3.6b	
GII	IX	18 16 54 23.9–.97	34.76N	32.79E	32–2	3.6L,3.6b	
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NIC.					
NIC		Event type fe. Felt earthquake; Maximum Intensity 3; Felt I=III MM at Ypsonas area, Limassol. Moment Tensor Solution. $M_0$6.50000×10^{13}					
NEIC		Event type fe. Felt [III] in the Ypsonas area. After NIC.					
IDC		Error ellipse: s-maj=49.6km s-min=16.7km az=57.0.					
GII		Error ellipse: s-maj=18.6km s-min=25.8km az=-1.0.					
ISC	**IX**	**21 12 06 54.6–.56**	**34.91N–.04**	**33.87E–.04**	**31–5**		**44 0-3**
NIC	IX	21 12 06 53.2–.10	34.80N	33.92E	23	3.1W,3.0L	**¶11322801**
NEIC	IX	21 12 06 53.2	34.80N	33.92E	23	3.0L,3.0L	
CSEM	IX	21 12 06 56.3–.27	34.79N	33.54E	30	3.1W,3.0L	
ISCJB	IX	21 12 06 56.5–.68	34.91N–.05	33.66E–.05	42–12	3.1W,3.0L	
DDA	IX	21 12 06 59.2	35.43N	33.93E	7–3	3.0,3.0L	
ISK	IX	21 12 06 59.1	34.71N	33.96E	32	2.7L,3.0L	
ISC		Event type ke.					
NIC		Moment Tensor Solution. $M_0$4.90000×10^{13}					
NEIC		Event type se. After NIC.					
CSEM		Event type ke. Error ellipse: s-maj=7.6km s-min=5.7km az=14.0.					
ISCJB		Event type ke. Error ellipse: s-maj=9.1km s-min=6.6km az=7.8.					
ISC	**IX**	**25 15 34 04.3–1.6**	**35.0N–.10**	**32.74E–.08**	**51–11**		**24 0-1**
ISK	IX	25 15 34 02.5	35.51N	32.64E	21	1.9L	**¶11322806**
ISCJB	IX	25 15 34 04.1–1.6	35.0N–.10	32.75E–.08	53–10	1.9L	
CSEM	IX	25 15 34 04.6–.45	35.07N	32.76E	45–4	2.7W	
NIC	IX	25 15 34 05.0–.20	35.07N	32.80E	43	2.7W,2.4L	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=24.9km s-min=10.3km az=170.2.					
CSEM		Event type ke. Error ellipse: s-maj=16.1km s-min=5.9km az=166.0.					
NIC		Moment Tensor Solution. $M_0$1.00000×10^{13}					
ISC	**IX**	**26 03 15 34.7–.92**	**35.97N–.02**	**31.27E–.03**	**18–7**		**128 1-9**
DDA	IX	26 03 15 33.5	36.04N	31.29E	28–30	3.4	**¶11322808**
HLW	IX	26 03 15 33.4	36.14N	31.30E	33–35	3.4L,3.3	
CSEM	IX	26 03 15 34.4–.11	35.97N	31.26E	15	3.4W,3.3	
ISK	IX	26 03 15 35.3	35.99N	31.29E	30	3.6L,3.3	
NIC	IX	26 03 15 36.9–.20	35.96N	31.50E	35	3.6L,3.4W	
NEIC	IX	26 03 15 36.9	35.96N	31.50E	35	3.6L,3.6L	
ISC		Event type ke.					
CSEM		Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=62.0.					
NIC		Moment Tensor Solution. $M_0$8.50000×10^{13}					
NEIC		Event type se. After NIC.					
ISC	**IX**	**30 04 08 17.2–.83**	**34.52N–.03**	**32.09E–.04**	**23–7**		**72 0-6**
DDA	IX	30 04 08 07.9	34.54N	32.02E	4–0	3.3	**¶11322825**
HLW	IX	30 04 08 13.8	34.83N	31.71E	33–20	3.1,2.6L	
ISK	IX	30 04 08 15.6	34.51N	32.09E	17	3.6,2.6L	
NEIC	IX	30 04 08 16.3	34.57N	31.99E	35	3.4,3.1L	
ISCJB	IX	30 04 08 16.6–.44	34.50N–.03	32.05E–.05	39–26	3.4,3.1L	
NIC	IX	30 04 08 16.3–.20	34.57N	31.99E	35	3.4W,3.1L	
CSEM	IX	30 04 08 17.2–.19	34.53N	32.13E	20	3.4W,3.1L	
ISC		Event type ke.					
NEIC		Event type se. After NIC.					
ISCJB		Event type ke. Error ellipse: s-maj=6.9km s-min=4.7km az=153.5.					
NIC		Moment Tensor Solution. $M_0$1.10000×10^{14}					
CSEM		Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=104.0.					
ISC	**X**	**04 10 27 56.7–.80**	**35.41N–.04**	**31.29E–.04**	**19–5**	**3.8b**	**118 1-55**
IDC	X	04 10 27 53.6–2.0	35.49N	31.30E	0	3.9b,3.7	**¶11389239**
ISK	X	04 10 27 54.6	35.44N	31.44E	9	3.3L,3.7	
CSEM	X	04 10 27 56.3–.36	35.47N	31.35E	10	3.4W,3.7	
NEIC	X	04 10 27 57.0	35.51N	31.33E	10	3.6L,3.3L	
NIC	X	04 10 27 57.0–.20	35.51N	31.33E	10	3.6L,3.4W	
ISC		Event type ke.					
IDC		Error ellipse: s-maj=39.7km s-min=17.6km az=57.0.					
CSEM		Event type ke. Error ellipse: s-maj=11.5km s-min=5.4km az=37.0.					
NEIC		Event type se. After NIC.					
NIC		Moment Tensor Solution. $M_0$1.10000×10^{14}					
ISC	**X**	**09 16 23 51.6–1.5**	**35.43N–.04**	**31.25E–.05**	**14–11**	**3.9b**	**109 1-55**
ISK	X	09 16 23 48.1	35.39N	31.27E	5	3.5L	**¶11389317**
IDC	X	09 16 23 49.5–2.1	35.46N	31.33E	0	3.9b,3.7	
NEIC	X	09 16 23 51.3–.94	35.52N	31.31E	10	3.6L,3.4L	
ISCJB	X	09 16 23 51.9–1.5	35.39N–.04	31.22E–.05	30–15	3.9b,3.4L	
NIC	X	09 16 23 51.7–.10	35.75N	31.31E	67	4.0b,3.6L	
CSEM	X	09 16 23 53.2–.20	35.44N	31.27E	30	3.5W,3.6L	
ISC		Event type ke.					
IDC		Error ellipse: s-maj=42.2km s-min=17.5km az=59.0.					
NEIC		Event type se. Error ellipse: s-maj=18.0km s-min=6.2km az=54.0.					
ISCJB		Event type ke. Error ellipse: s-maj=8.7km s-min=4.0km az=37.8.					
NIC		Moment Tensor Solution. $M_0$1.60000×10^{14}					
CSEM		Event type ke. Error ellipse: s-maj=6.8km s-min=3.1km az=34.0.					
ISC	**X**	**19 14 08 00.1–.44**	**34.82N–.01**	**34.04E–.02**	**29–3**	**4.1b**	**515 0-81**
IDC	X	19 14 07 56.1–.64	34.97N	34.06E	0	4.6L,4.3	**¶13397509**
MOS	X	19 14 07 58.8–1.2	34.81N	33.98E	33	4.4b,4.3	
ISK	X	19 14 07 58.8	34.83N	34.06E	32	4.3L,4.3	
DDA	X	19 14 07 58.3	35.24N	34.00E	6–5	4.1L,4.3	
HLW	X	19 14 07 59.0	34.91N	33.97E	33–49	3.5L,3.4	
CSEM	X	19 14 07 59.9–.10	34.84N	34.04E	30	4.3b,3.7W	
ISCJB	X	19 14 07 59.1–.20	34.78N–.01	34.02E–.02	41–3	4.1b,3.7W	
GRAL	X	19 14 07 59.0–.87	34.77N	34.13E	0–23	4.1,3.7W	
NEIC	X	19 14 07 59.7–.67	34.86N	33.97E	26–4	4.3b,4.0L	
SZGRF	X	19 14 08 00.1	34.61N	33.98E	33	4.2b,4.0L	
NIC	X	19 14 08 01.2–.10	34.93N	33.91E	9	4.2b,4.0L	
ISC		Event type fe.					
IDC		Error ellipse: s-maj=15.8km s-min=13.0km az=63.0.					
MOS		Error ellipse: s-maj=10.5km s-min=4.2km az=117.4.					
CSEM		Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=90.0.					
ISCJB		Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=5.6.					
GRAL		Error ellipse: s-maj=18.8km s-min=6.5km az=-1.0.					
NEIC		Event type fe. Error ellipse: s-maj=6.1km s-min=5.5km az=189.0. Felt [IV] at Agia Napa and Paralimni; [III] at Larnaka; [II] at Nicosia.					
SZGRF		Cyprus region.					
NIC		Event type fe. Felt earthquake; Maximum Intensity 4; Felt I=IV MM at Paralimni,Agia Napa, I=III MM at Larnaka and I=II MM at Nicosia. Moment Tensor Solution. $M_0$2.80000×10^{14}					
ISC	**X**	**19 15 07 59.1–.38**	**35.84N–.03**	**33.89E–.04**	**36–14**		**80 0-3**
ISK	X	19 15 07 58.1	35.87N	33.88E	31	3.0L	**¶11389416**
CSEM	X	19 15 07 58.6–.10	35.84N	33.89E	30	2.9W	
ISCJB	X	19 15 07 58.4–.42	35.85N–.03	33.91E–.04	43–11	2.9W	
NEIC	X	19 15 08 01.4	35.55N	33.95E	55	3.5	
NIC	X	19 15 08 01.4–.40	35.55N	33.95E	55	3.5L,2.9W	
NSSC	X	19 15 08 05	35.71N	34.50E	35–13	3.5L,2.9W	
ISC		Event type fe.					
CSEM		Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=108.0.					
ISCJB		Event type fe. Error ellipse: s-maj=5.6km s-min=4.6km az=29.0.					
NEIC		Event type se. After NIC.					
NIC		Moment Tensor Solution. $M_0$2.10000×10^{13}					
NSSC		Event type fe.					
ISC	**X**	**26 07 14 28.9–1.4**	**34.83N–.07**	**34.05E–.05**	**9–5**		**52 0-3**
DDA	X	26 07 14 28.1	35.04N	33.97E	8–2	3.0	**¶11389491**
ISK	X	26 07 14 28.4	34.87N	34.05E	10	2.3L	
CSEM	X	26 07 14 28.6–.37	34.85N	34.07E	10	3.1W	
ISCJB	X	26 07 14 28.2–1.3	34.81N–.06	34.05E–.05	5–5	3.1W	
NEIC	X	26 07 14 29.2	34.83N	34.05E	9	3.0L,3.0	
NIC	X	26 07 14 29.2–.20	34.83N	34.05E	9	3.1W,3.0L	
ISC		Event type ke.					
CSEM		Event type ke. Error ellipse: s-maj=8.1km s-min=3.8km az=160.0.					
ISCJB		Event type ke. Error ellipse: s-maj=10.8km s-min=5.4km az=155.8.					
NEIC		Event type se. After NIC.					
NIC		Moment Tensor Solution. $M_0$3.90000×10^{13}					
ISC	**X**	**28 22 13 52.1–.19**	**34.37N–.02**	**32.19E–.02**	**55–7**	**3.6b**	**209 1-55**
ISK	X	28 22 13 48.6	34.37N	32.17E	14	3.7L	**¶11389510**
ISCJB	X	28 22 13 50.5–.20	34.35N–.02	32.15E–.03	62–6	3.6b	
NEIC	X	28 22 13 50.4	34.33N	32.14E	45	3.5	
NIC	X	28 22 13 50.4–.20	34.33N	32.14E	45	3.5L,3.4W	
CSEM	X	28 22 13 51.0–.08	34.37N	32.21E	20	3.4W,3.4W	
IDC	X	28 22 13 51.8–2.3	34.36N	32.28E	51–27	3.7L,3.6	
HLW	X	28 22 13 53.9	34.23N	32.03E	33–39	3.5,3.1L	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=169.0.					
NEIC		Event type se. After NIC.					
NIC		Moment Tensor Solution. $M_0$1.30000×10^{14}					
CSEM		Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=94.0.					
IDC		Error ellipse: s-maj=24.1km s-min=14.4km az=50.0.					
ISC	**X**	**29 23 20 43.3–.84**	**35.98N–.02**	**31.24E–.03**	**7–6**		**98 1-8**
ISCJB	X	29 23 20 42.0–1.0	35.93N–.02	31.21E–.04	9–8		**¶11661604**
ISK	X	29 23 20 42.1	35.94N	31.18E	15	3.5	
CSEM	X	29 23 20 43.5–.11	36.00N	31.22E	10	3.1	
DDA	X	29 23 20 43.4	36.00N	31.55E	28–0	3.1	
HLW	X	29 23 20 52.4	35.47N	31.18E	33–35	3.9,3.0L	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=164.4.					
CSEM		Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=68.0.					
ISC	**XI**	**02 08 27 27.2–.76**	**34.46N–.02**	**32.13E–.03**	**30–7**	**3.7b**	**156 0-55**
IDC	XI	02 08 27 23.4–1.1	34.56N	32.15E	0	3.9L,3.9	**¶11492981**
DDA	XI	02 08 27 24.3	34.58N	32.07E	13–3	3.6L,3.9	
ISK	XI	02 08 27 25.0	34.36N	32.03E	31	4.2,3.9L	
NIC	XI	02 08 27 26.5–.20	34.57N	31.99E	32	3.6W,3.5L	
ISCJB	XI	02 08 27 26.1–.27	34.42N–.02	32.09E–.03	44–6	3.7b,3.5L	
HLW	XI	02 08 27 26.8	34.51N	32.11E	34–23	3.5,3.2L	
CSEM	XI	02 08 27 26.4–.14	34.48N	32.12E	20	3.6W,3.2L	
NEIC	XI	02 08 27 27.3	34.63N	32.01E	32	3.7b,3.5L	
ISC		Event type ke.					
IDC		Error ellipse: s-maj=24.2km s-min=18.2km az=58.0.					
NIC		Moment Tensor Solution. $M_0$1.70000×10^{14}					
ISCJB		Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=152.3.					
CSEM		Event type ke. Error ellipse: s-maj=3.9km s-min=3.4km az=62.0.					
NEIC		Event type se. After NIC.					
ISC	**XI**	**02 21 25 30.4–.15**	**35.76N–.02**	**31.29E–.02**	**10**	**4.2b**	**494 1-81**
MOS	XI	02 21 25 27.3–1.2	35.52N	31.32E	22	4.2b	**¶11456226**
NIC	XI	02 21 25 27.9–.20	36.00N	31.16E	15	4.1b,3.8L	
ISCJB	XI	02 21 25 28.7–.16	35.74N–.02	31.28E–.02	10	4.2b,3.8L	
DDA	XI	02 21 25 28.7	35.86N	31.35E	4–4	3.5,3.8L	
NEIC	XI	02 21 25 28.1	35.79N	31.36E	5	4.3b,3.9L	
ISK	XI	02 21 25 28.2	35.78N	31.36E	5	3.9L,3.9L	
IDC	XI	02 21 25 32.8–1.8	35.74N	31.29E	46–15	4.1L,4.0	
SGS	XI	02 21 25 32.5	35.66N	31.23E	10	4.1L,4.0	
THE	XI	02 21 25 33.8	35.74N	31.35E	40–5	3.9L,4.0	
CSEM	XI	02 21 25 33.4–.08	35.77N	31.30E	50–1	4.3b,3.7W	
HLW	XI	02 21 25 34.3	35.61N	31.24E	31–39	3.7,3.7L	
SZGRF	XI	02 21 25 35.1	36.96N	31.85E	33	3.9b,3.7L	
ISC		Event type ke.					
MOS		Error ellipse: s-maj=9.9km s-min=4.8km az=117.0.					
NIC		Moment Tensor Solution. $M_0$2.90000×10^{14}					
ISCJB		Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=29.9.					
NEIC		Event type se. After ISK.					
IDC		Error ellipse: s-maj=19.9km s-min=10.0km az=67.0.					
THE		Event type ke. Error ellipse: s-maj=5.4km s-min=1.5km az=79.0.					
CSEM		Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=29.0.					
SZGRF		Turkey.					
ISC	**XI**	**09 18 23 49.2–.14**	**34.60N–.01**	**33.96E–.01**	**49–2**	**4.1b,3.4s**	**512 0-85**
IDC	XI	09 18 23 43.7–.79	34.72N	34.01E	0	4.2,4.2L	**¶11406542**
ISK	XI	09 18 23 44.7	34.33N	33.96E	31	4.2L,4.2L	
MOS	XI	09 18 23 46.6–1.1	34.62N	33.87E	33	4.3b,4.2L	
THE	XI	09 18 23 46.7	34.48N	33.84E	6–71	4.3b,4.2L	
ISCJB	XI	09 18 23 47.7–.15	34.58N–.01	33.93E–.01	55–2	4.1b,3.4s	
CSEM	XI	09 18 23 49.3–.07	34.61N	33.92E	48–1	4.2b,3.8W	
GRAL	XI	09 18 23 50.1–1.4	34.60N	34.02E	34–999	4.4,3.8W	
NEIC	XI	09 18 23 50.4–.51	34.63N	33.89E	57–5	4.1b,3.8W	
NIC	XI	09 18 23 50.1–.20	34.69N	33.95E	50	4.1L,3.8W	
HLW	XI	09 18 23 54.0	34.27N	33.48E	32–34	3.9,3.8L	
SGS	XI	09 18 23 56.4	34.03N	33.10E	57	3.9,3.8L	
ISC		Event type fe.					
IDC		Error ellipse: s-maj=20.9km s-min=14.1km az=30.0.					
MOS		Error ellipse: s-maj=10.5km s-min=5.6km az=111.3.					
THE		Event type ke. Error ellipse: s-maj=71.1km s-min=9.0km az=114.0.					
ISCJB		Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=37.4.					
CSEM		Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=38.0.					
GRAL		Error ellipse: s-maj=7.5km s-min=7.2km az=-1.0.					
NEIC		Event type fe. Error ellipse: s-maj=6.1km s-min=4.8km az=219.0. Felt at Larnaca, Nicosia and Tersefanou.					
NIC		Event type fe. Felt earthquake; Maximum Intensity 4; Felt I=IV MM at Larnaca. Moment Tensor Solution. $M_0$4.00000×10^{14}					
ISC	**XI**	**09 21 09 01.0–.23**	**34.59N–.02**	**33.98E–.02**	**35**		**126 0-7**
ISK	XI	09 21 08 57.1	34.47N	34.02E	20	3.4	**¶11490415**
ISCJB	XI	09 21 08 59.7–.24	34.55N–.02	33.96E–.02	33	3.4	
CSEM	XI	09 21 09 00.7–.11	34.61N	33.98E	30	3.4W	
DDA	XI	09 21 09 00.3	35.10N	33.98E	4–0	3.3	
NIC	XI	09 21 09 01.2–.20	34.70N	33.88E	45	3.4W,3.2L	
GRAL	XI	09 21 09 02.2–.40	34.47N	34.23E	0–10	3.4,3.2L	
HLW	XI	09 21 09 02.3	34.51N	33.75E	32–24	2.9,2.5L	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=35.0.					
CSEM		Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=37.0.					
NIC		Moment Tensor Solution. $M_0$9.80000×10^{13}					
GRAL		Error ellipse: s-maj=3.1km s-min=5.2km az=-1.0.					
ISC	**XI**	**14 18 42 01.5–.56**	**34.65N–.03**	**32.92E–.05**	**10**		**30 0-6**
ISCJB	XI	14 18 42 00.5–.57	34.61N–.03	32.90E–.05	10		**¶11490437**
CSEM	XI	14 18 42 01.6–.13	34.68N	32.95E	15	3.0W	
NIC	XI	14 18 42 02.8–.20	34.78N	32.95E	11	3.0W,2.9L	
HLW	XI	14 18 42 07.0	34.42N	33.18E	33–22	3.0,2.9L	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=6.5km s-min=4.9km az=5.2.					
CSEM		Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=91.0.					
NIC		Moment Tensor Solution. $M_0$2.60000×10^{13}					
ISC	**XI**	**28 04 05 52.9–1.3**	**35.20N–.09**	**32.5E–.10**	**40–11**		**17 0-1**
CSEM	XI	28 04 05 51.6	35.26N	32.47E	41	3.3L	**¶11490466**
NIC	XI	28 04 05 51.6–.30	35.26N	32.47E	41	3.3L,3.0W	
ISCJB	XI	28 04 05 52.9–1.4	35.20N–.09	32.5E–.10	40–11	3.3L,3.0W	
ISC		Event type ke.					
CSEM		Event type ke. After NIC.					
NIC		Moment Tensor Solution. $M_0$2.20000×10^{13}					

ISCJB Event type ke.
ISK XII 01 22 48 36.8 35.94N 31.62E 10 3.1
CSEM XII 01 22 48 36.8 35.94N 31.62E 10 3.1 ¶12864843
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ISK.
ISC XII 05 13 22 48.5–.83 35.20N–.06 32.66E–.05 69–7 54 0-3
DDA XII 05 13 22 33.9 34.70N 32.67E 26–0 3.2 ¶11534032
ISCJB XII 05 13 22 47.6–.82 35.20N–.05 32.66E–.05 74–6 3.2
ISK XII 05 13 22 47.5 35.18N 32.67E 70 3.2
CSEM XII 05 13 22 48.4–.35 35.19N 32.68E 69–3 3.3W
NIC XII 05 13 22 49.1–.10 35.24N 32.73E 61 3.3W,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=6.1km az=29.7.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.7km az=29.0.
NIC Moment Tensor Solution. $M_0$6.40000×10^{13}
NIC XII 14 16 22 58.3–.30 34.63N 31.91E 25 2.7L,2.5W
¶11532457
NIC Moment Tensor Solution. $M_0$4.60000×10^{12}
ISC XII 25 16 34 53.3–.42 35.91N–.03 31.83E–.04 10 73 1-4
DDA XII 25 16 34 51.1 36.10N 31.54E 8–6 3.3 ¶11532458
ISCJB XII 25 16 34 52.7–.43 35.91N–.03 31.83E–.04 10 3.3
ISK XII 25 16 34 52.2 35.89N 31.86E 10 3.4
CSEM XII 25 16 34 53.1–.18 35.90N 31.83E 10 3.3W
NIC XII 25 16 34 55.6–.30 36.00N 32.16E 11 3.3W,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=37.3.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=35.0.
NIC Moment Tensor Solution. $M_0$8.30000×10^{13}
ISC XII 26 04 30 50.5–1.5 34.55N–.08 33.55E–.06 6–7 38 0-3
ISCJB XII 26 04 30 50.0–1.5 34.53N–.07 33.54E–.05 10–6 ¶11532459
CSEM XII 26 04 30 51.9–.46 34.61N 33.47E 15 2.9W
NIC XII 26 04 30 52.2–.10 34.58N 33.51E 5 2.9W,2.7L
DDA XII 26 04 30 58.3 35.06N 33.82E 27–4 3.1,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=7.1km az=173.4.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=4.5km az=170.0.
NIC Moment Tensor Solution. $M_0$1.70000×10^{13}
ISC XII 26 07 35 40.3–.60 34.69N–.02 33.09E–.04 2–4 97 0-8
HLW XII 26 07 35 35.5 35.40N 33.02E 31–18 3.3,3.1L ¶11532460
ISK XII 26 07 35 39.2 34.70N 33.06E 7 3.4,3.1L
ISCJB XII 26 07 35 39.4–.56 34.67N–.02 33.09E–.04 5–4 3.4,3.1L
DDA XII 26 07 35 40.5 34.81N 33.31E 8–3 3.3,3.1L
CSEM XII 26 07 35 40.2–.14 34.69N 33.08E 2 3.3W,3.1L
NIC XII 26 07 35 41.5–.30 34.74N 33.07E 30 3.7L,3.3W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.5km az=16.3.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=80.0.
NIC Event type fe. Felt earthquake; Maximum Intensity 3; Felt I = III MM at Limassol. Moment Tensor Solution. $M_0$7.10000×10^{13}

(373) Dead Sea region.

GRAL IX 08 02 46 57.5–.32 32.91N 34.65E 8–8 3.0
CSEM IX 08 02 46 56.2–.49 32.94N 34.66E 2 3.0L ¶11813653
GRAL Error ellipse: s-maj=4.0km s-min=3.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=4.0km az=86.0.
ISC X 02 03 03 05.1–4.9 31.5N–.10 35.6E–.30 19–48 23 2-4
HLW X 02 03 03 01.1 31.71N 35.88E 22–20 2.5,2.3L ¶12789648
CSEM X 02 03 03 05.1–.23 31.53N 35.57E 20 2.3L,2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=2.3km az=121.0.
GRAL XI 22 05 14 34.1–.46 32.86N 35.50E 13–4 3.1
¶12074476
GRAL Error ellipse: s-maj=32.7km s-min=7.0km az=-1.0.
ISC XII 04 00 26 27.7–2.0 32.76N–.09 35.6E–.20 0–20 22 1-5
HLW XII 04 00 26 26.4 33.07N 35.62E 10–14 3.2,2.6L ¶12075662
ISCJB XII 04 00 26 27.4–.86 32.75N–.06 35.7E–.20 10 3.2,2.6L
CSEM XII 04 00 26 28.1–.18 32.77N 35.67E 10 2.9L,2.6L
GRAL XII 04 00 26 28.7–.31 32.76N 35.59E 2–5 3.1,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=27.8km s-min=5.0km az=13.8.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=96.0.
GRAL Error ellipse: s-maj=2.8km s-min=1.7km az=-1.0.
ISC XII 19 08 18 04.9–1.6 31.03N–.09 35.1E–.10 10 31 1-3
SGS XII 19 08 18 02.3 31.24N 34.65E 7 ¶12790226
CSEM XII 19 08 18 06.1–.16 30.88N 34.98E 2 3.6L
HLW XII 19 08 18 07.8 31.07N 35.10E 45–4 3.3L,2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=106.0.

(374) Jordan - Syria region.

ISC VII 02 04 24 58.4–2.6 33.3N–.10 35.40E–.10 13–10 12 0-1
CSEM VII 02 04 24 58.5–.32 33.35N 35.37E 2 3.1L ¶11799236
GRAL VII 02 04 24 58.9–.34 33.32N 35.42E 4–2 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=3.9km az=100.0.
GRAL Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
GRAL VII 03 02 34 23.2–.31 33.33N 35.44E 0–2 3.1
CSEM VII 03 02 34 22.4–.22 33.36N 35.41E 2 3.1L ¶11810457
GRAL Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=2.3km az=98.0.
ISC VII 03 05 38 51.2–.63 35.57N–.03 35.51E–.05 19–6 65 0-4
CSEM VII 03 05 38 51.8–.28 35.56N 35.52E 30 2.1 ¶11514056
DDA VII 03 05 38 52.4 35.85N 35.37E 4–7 3.1
ISK VII 03 05 38 53.0 35.80N 35.29E 9 3.4
NSSC VII 03 05 38 54 35.59N 35.70E 19–3 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=6.3km az=177.0.
NSSC Event type se.
ISC VII 11 20 19 34.9–.54 35.92N–.02 35.82E–.04 13–4 73 0-3
CSEM VII 11 20 19 34.7–.11 35.93N 35.80E 10 3.4 ¶11514219
ISK VII 11 20 19 34.0 35.89N 35.82E 15 3.4
ISCJB VII 11 20 19 35.2–1.1 35.92N–.02 35.81E–.03 15–8 3.4
DDA VII 11 20 19 35.3 36.00N 35.88E 24–2 3.4
NSSC VII 11 20 19 37 35.88N 36.04E 27–3 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=157.1.
NSSC Event type se.
ISC VII 16 10 44 26.7–.59 33.66N–.04 36.76E–.04 30–5 32 0-1
GRAL VII 16 10 44 24.2–.31 33.56N 36.93E 68–23 3.3 ¶11811736
ISCJB VII 16 10 44 26.7–.60 33.66N–.04 36.76E–.04 32–5 3.3
NSSC VII 16 10 44 26 33.68N 36.73E 28–6 3.3
CSEM VII 16 10 44 26.4–.21 33.68N 36.74E 30 2.4
ISC Event type fe.
GRAL Error ellipse: s-maj=5.1km s-min=11.6km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=6.0km az=157.1.
NSSC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.7km az=168.0.
ISC VII 19 09 31 28.4–.56 34.42N–.03 36.58E–.04 10–6 39 0-2
CSEM VII 19 09 31 27.4–.28 34.46N 36.60E 15 2.9L ¶11812039
NSSC VII 19 09 31 27 34.48N 36.63E 16–4 2.9L
ISCJB VII 19 09 31 28.1–.64 34.44N–.03 36.59E–.04 14–4 2.9L
GRAL VII 19 09 31 32.1–.31 34.28N 36.47E 0–13 2.9
ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.1km az=77.0.
NSSC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=4.7km az=179.3.
GRAL Error ellipse: s-maj=2.5km s-min=2.5km az=-1.0.
ISC VII 22 09 08 11.5–.42 33.33N–.02 35.47E–.03 7–3 83 0-5
NEIC VII 22 09 08 10.6 33.29N 35.44E 1 2.7W ¶11812341
GRAL VII 22 09 08 11.9–.31 33.34N 35.45E 0–49 3.7
ISCJB VII 22 09 08 11.1–.42 33.32N–.02 35.46E–.03 9–3 3.7
CSEM VII 22 09 08 11.6–.17 33.34N 35.46E 2 2.7W
NSSC VII 22 09 08 12 33.28N 35.50E 13–2 2.7W
HLW VII 22 09 08 12.6 33.57N 32.80E 13–25 3.3,3.2L
ISC Event type fe.
NEIC Event type se. After GII.
GRAL Error ellipse: s-maj=0.7km s-min=1.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=5.1km s-min=3.1km az=36.3.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=119.0.
NSSC Event type fe.
DDA VII 22 10 07 51.6 35.88N 40.64E 17–2 3.6
¶13597060
GRAL VII 22 12 19 11.9–.52 33.32N 35.43E 0–28 3.2
CSEM VII 22 12 19 11.0–.31 33.33N 35.38E 2 3.2L ¶11812354
GRAL Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=4.0km az=100.0.
ISC VII 28 11 01 57.2–.59 35.79N–.02 35.83E–.05 12–4 60 0-3
ISK VII 28 11 01 55.2 35.73N 35.86E 13 3.0 ¶11514552
ISCJB VII 28 11 01 56.8–.66 35.79N–.02 35.82E–.04 10–4 3.0
DDA VII 28 11 01 56.7 35.86N 35.72E 8–3 3.3
GRAL VII 28 11 01 56.2–1.8 36.06N 36.10E 68–96 3.3
CSEM VII 28 11 01 56.5–.18 35.79N 35.75E 5 3.3
NSSC VII 28 11 01 59 35.81N 36.08E 9–5 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=158.1.
GRAL Error ellipse: s-maj=67.0km s-min=91.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=74.0.
NSSC Event type se.
GRAL VIII 06 20 15 32.6–.32 33.03N 35.01E 13–66 2.8
CSEM VIII 06 20 15 29.6–.38 33.00N 34.91E 5 2.8L ¶11813127
GRAL Error ellipse: s-maj=20.0km s-min=26.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=3.1km az=95.0.
ISC VIII 06 21 06 30.5–.79 35.81N–.03 36.39E–.04 8–5 72 0-3
ISK VIII 06 21 06 29.9 35.80N 36.39E 13 3.4 ¶11525281
ISCJB VIII 06 21 06 30.5–.85 35.81N–.02 36.38E–.04 11–6 3.4
CSEM VIII 06 21 06 31.1–.19 35.85N 36.40E 10 3.4
DDA VIII 06 21 06 33.0 36.00N 36.32E 35–0 3.3
GRAL VIII 06 21 06 35.4–.34 35.60N 36.34E 0–10 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=1.7.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=105.0.
GRAL Error ellipse: s-maj=3.8km s-min=7.2km az=-1.0.
ISC VIII 12 10 16 09.8–2.2 33.71N–.09 36.5E–.10 50–19 22 0-1
ISCJB VIII 12 10 16 09.9–2.0 33.71N–.09 36.5E–.10 50–16 ¶11813222
CSEM VIII 12 10 16 10.2–.59 33.73N 36.52E 40 1.7
GRAL VIII 12 10 16 10.3–.77 33.88N 35.17E 45–15 2.9
NSSC VIII 12 10 16 12 33.69N 36.44E 15–7 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=22.3km s-min=10.8km az=30.8.
CSEM Event type ke. Error ellipse: s-maj=22.1km s-min=11.6km az=106.0.
GRAL Error ellipse: s-maj=5.1km s-min=15.9km az=-1.0.
NSSC Event type se.
ISC VIII 13 16 02 46.2–1.1 36.85N–.06 37.77E–.05 10–6 30 1-2
ISK VIII 13 16 02 43.2 36.79N 37.76E 5 3.0 ¶11525368
ISCJB VIII 13 16 02 45.4–1.1 36.85N–.06 37.79E–.04 2–7 3.0
CSEM VIII 13 16 02 46.0–.53 36.89N 37.78E 2 3.0
DDA VIII 13 16 02 46.6 36.96N 37.72E 7–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=5.5km az=165.7.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=4.9km az=164.0.
ISC VIII 16 09 48 17.9–1.1 36.37N–.05 36.99E–.07 6–7 35 0-3
DDA VIII 16 09 48 14.8 36.29N 37.11E 8–4 2.8 ¶11525427
ISCJB VIII 16 09 48 17.6–1.1 36.38N–.05 37.02E–.06 5–7 2.8
CSEM VIII 16 09 48 20.7–1.0 36.46N 37.19E 2 2.8
ISK VIII 16 09 48 21.0 36.53N 37.21E 5 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=6.1km az=44.1.
CSEM Event type ke. Error ellipse: s-maj=20.6km s-min=14.8km az=177.0.
ISC VIII 26 01 23 55.9–1.0 36.24N–.05 40.98E–.04 7–7 85 1-7
ISK VIII 26 01 23 53.5 36.12N 40.96E 13 3.9L ¶11525683
ISCJB VIII 26 01 23 54.4–.97 36.23N–.05 40.99E–.04 5–6 3.9L
CSEM VIII 26 01 23 56.0–.34 36.23N 40.98E 10 3.4
NSSC VIII 26 01 23 57 36.30N 40.86E 7–8 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=3.9km az=157.9.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=4.0km az=156.0.
NSSC Event type se.
ISC VIII 26 06 20 23.4–.58 36.02N–.03 37.76E–.03 16–4 93 0-4
DDA VIII 26 06 20 20.7 35.99N 37.84E 17–3 3.3 ¶11525687
ISCJB VIII 26 06 20 23.4–.43 36.02N–.03 37.77E–.03 20–4 3.3
CSEM VIII 26 06 20 23.3–.18 36.02N 37.75E 15 2.3
ISK VIII 26 06 20 23.0 35.91N 37.73E 28 3.4
NSSC VIII 26 06 20 24 36.06N 37.79E 21–3 3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.5km s-min=3.5km az=173.6.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=177.0.
NSSC Event type fe.
ISC VIII 28 09 40 45.6–1.0 36.48N–.05 36.95E–.06 8–8 32 0-3
ISCJB VIII 28 09 40 44.9–.98 36.47N–.05 36.96E–.06 10 ¶11525756
DDA VIII 28 09 40 44.6 36.47N 36.94E 6–3 3.0
ISK VIII 28 09 40 46.0 36.53N 36.88E 7 3.0
CSEM VIII 28 09 40 46.4–.22 36.51N 36.91E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=3.8km az=137.1.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.6km az=133.0.
CSEM IX 02 10 37 35.6–.42 36.67N 36.25E 10 2.9
DDA IX 02 10 37 35.6 36.70N 36.25E 7–1 2.9 ¶13856062
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=8.0km az=134.0.
ISC IX 02 13 55 12.2–.43 33.66N–.02 35.89E–.04 8–5 52 0-2
ISCJB IX 02 13 55 12.1–.44 33.67N–.02 35.89E–.04 6–5 ¶11813636
GRAL IX 02 13 55 12.7–.28 33.68N 35.90E 0–17 3.2
CSEM IX 02 13 55 12.2–.12 33.67N 35.87E 0–1 3.2L
NSSC IX 02 13 55 13 33.65N 35.94E 8–2 3.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.3km s-min=3.4km az=158.6.
GRAL Error ellipse: s-maj=0.6km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=83.0.
NSSC Event type fe.
CSEM IX 06 02 17 32.2–.23 34.34N 36.33E 2 2.8L
GRAL IX 06 02 17 31.7–.29 34.36N 36.42E 0–16 2.8 ¶11813648
NSSC IX 06 02 17 32 34.38N 36.37E 10 2.8
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=106.0.
GRAL Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0.
NSSC Event type fe.
ISC IX 06 16 16 43.8–.47 33.33N–.02 35.41E–.04 3–6 38 0-2
GII IX 06 16 16 42.5–.68 33.27N 35.45E 0–2 ¶11813652
ISCJB IX 06 16 16 43.3–.49 33.33N–.02 35.41E–.04 2–6
GRAL IX 06 16 16 44.6–.34 33.31N 35.46E 0–19 3.2
CSEM IX 06 16 16 44.6 33.31N 35.46E 0 3.2L
ISC Event type ke.
GII Error ellipse: s-maj=1.4km s-min=4.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=19.2.
GRAL Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GRAL.
ISC IX 09 12 16 19.1–.52 34.49N–.02 36.34E–.05 8–6 37 0-2
GRAL IX 09 12 16 17.8–.34 34.54N 36.40E 12–3 2.8 ¶11813656
ISCJB IX 09 12 16 18.9–.50 34.49N–.03 36.34E–.05 7–4 2.8
NSSC IX 09 12 16 18 34.50N 36.34E 6–1 2.8
CSEM IX 09 12 16 18.6–.19 34.48N 36.36E 5 1.6
ISC Event type ke.
GRAL Error ellipse: s-maj=4.1km s-min=2.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.1km az=10.9.

NSSC Event type se.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=99.0.
DDA IX 16 08 51 38.5 36.25N 37.12E 7–7 3.0
CSEM IX 16 08 51 38.5 36.25N 37.12E 7 3.0 ¶13856447
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC IX 19 02 23 51.1–.66 34.65N–.02 38.05E–.04 18–4 100 1-4
GII IX 19 02 23 46.9–.00 35.59N 37.25E 11–0 ¶11813670
ISCJB IX 19 02 23 51.7–.65 34.63N–.02 38.05E–.04 28–5
NSSC IX 19 02 23 51 34.62N 38.06E 18–2
CSEM IX 19 02 23 51.3–.19 34.63N 38.06E 20 2.3
GRAL IX 19 02 23 54.7–.31 34.70N 37.98E 34–999 3.6
ISC Event type fe.
GII Error ellipse: s-maj=2.8km s-min=1.3km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=6.1km s-min=3.2km az=26.8.
NSSC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.6km az=117.0.
GRAL Error ellipse: s-maj=6.4km s-min=25.0km az=-1.0.
ISC X 01 20 40 46.4–.42 36.96N–.03 36.04E–.04 9–7 43 0-2
ISCJB X 01 20 40 45.9–.49 36.96N–.03 36.05E–.03 4–6 ¶11661021
CSEM X 01 20 40 45.0–.31 37.03N 36.02E 28–5 2.9
DDA X 01 20 40 45.6 36.96N 36.04E 7–6 2.9
ISK X 01 20 40 45.8 37.05N 36.02E 12 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=142.7.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=7.1km az=103.0.
GRAL X 02 00 07 20.8–.31 33.21N 35.78E 0–45 2.7
¶11911670
GRAL Error ellipse: s-maj=2.0km s-min=2.7km az=-1.0.
ISC X 04 02 13 07.3–1.4 34.28N–.03 35.3E–.10 23–7 45 0-2
ISCJB X 04 02 13 07.3–1.3 34.28N–.03 35.3E–.10 27–6 ¶12065871
CSEM X 04 02 13 07.3–.54 34.28N 35.28E 24–3 3.2L
NSSC X 04 02 13 07 34.30N 35.35E 24–4 3.2L
GRAL X 04 02 13 10.7–.29 34.13N 35.45E 26–3 3.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.4km s-min=5.1km az=0.7.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=4.3km az=90.0.
NSSC Event type fe.
GRAL Error ellipse: s-maj=1.5km s-min=5.5km az=-1.0.
ISC X 05 07 53 21.9–2.7 36.20N–.07 36.3E–.20 16–9 16 0-1
ISCJB X 05 07 53 21.8–2.5 36.20N–.07 36.4E–.20 12–9 ¶13909524
CSEM X 05 07 53 21.3–.46 36.19N 36.40E 10 3.0
DDA X 05 07 53 21.9 36.19N 36.34E 7–2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.9km s-min=7.9km az=20.9.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=4.1km az=103.0.
ISC X 06 18 55 35.2–.40 34.20N–.02 36.23E–.03 13–4 58 0-2
ISCJB X 06 18 55 35.2–.44 34.20N–.02 36.23E–.03 13–3 ¶12066174
CSEM X 06 18 55 35.1–.07 34.20N 36.22E 10 3.0L
NSSC X 06 18 55 35 34.21N 36.23E 8–2 3.0L
GRAL X 06 18 55 36.3–.26 34.17N 36.23E 4–3 3.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.6km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=107.0.
NSSC Event type fe.
GRAL Error ellipse: s-maj=1.3km s-min=0.7km az=-1.0.
ISC X 11 05 46 36.9–.77 35.75N–.03 35.53E–.05 10 40 1-2
ISCJB X 11 05 46 36.8–.76 35.76N–.03 35.54E–.05 10 ¶13909751
CSEM X 11 05 46 38.1–.32 35.77N 35.59E 20 1.5
NSSC X 11 05 46 39 35.72N 35.67E 26–2 1.5
DDA X 11 05 46 39.1 35.98N 35.52E 7–4 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=160.2.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=4.8km az=76.0.
NSSC Event type se.
DDA X 17 21 59 48.2 35.29N 38.25E 8–7 3.5
¶13909928
ISC X 21 09 48 31.6–1.2 33.73N–.07 36.91E–.06 9–7 26 1-2
NSSC X 21 09 48 30 33.66N 37.01E 14–2 ¶12070725
ISCJB X 21 09 48 31.7–1.5 33.72N–.08 36.95E–.08 15–11
CSEM X 21 09 48 31.5–.43 33.72N 36.92E 10 1.7
GRAL X 21 09 48 33.4–.31 33.74N 36.86E 4–5 3.2
ISC Event type fe.
NSSC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=16.9km s-min=6.5km az=143.9.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=3.8km az=139.0.
GRAL Error ellipse: s-maj=1.6km s-min=3.5km az=-1.0.
GRAL X 24 22 22 14.8–.46 33.55N 35.62E 0–45 3.2
CSEM X 24 22 22 14.8 33.55N 35.62E 0 3.2L ¶12071031
GRAL Error ellipse: s-maj=1.0km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GRAL.
ISC XI 03 15 07 33.7–.59 33.62N–.03 35.76E–.05 2–6 38 0-2
ISCJB XI 03 15 07 33.4–.59 33.62N–.03 35.77E–.05 0–6 ¶12072133
CSEM XI 03 15 07 33.5–.25 33.60N 35.77E 2 3.3L
GRAL XI 03 15 07 33.9–.29 33.62N 35.82E 0–13 3.3
NSSC XI 03 15 07 33 33.61N 35.75E 4–3 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.9km az=153.5.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=52.0.
GRAL Error ellipse: s-maj=0.7km s-min=1.2km az=-1.0.
NSSC Event type se.
CSEM XI 04 11 27 04.2–.39 34.79N 35.97E 10 2.9
DDA XI 04 11 27 04.6 34.91N 35.92E 8–6 2.9 ¶14011229
CSEM Event type ke. Error ellipse: s-maj=27.3km s-min=5.8km az=86.0.
ISC XI 04 21 48 14.7–.57 33.30N–.03 35.46E–.04 13–4 68 0-5
ISCJB XI 04 21 48 14.2–.59 33.28N–.02 35.44E–.05 17–7 ¶12072303
CSEM XI 04 21 48 14.5–.14 33.32N 35.44E 10 3.8L
GRAL XI 04 21 48 15.3–.26 33.32N 35.42E 0–2 3.8
HLW XI 04 21 48 16.3 33.33N 35.33E 15–14 3.2,3.0L
NSSC XI 04 21 48 17 33.32N 35.67E 28–7 3.2,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.8km az=17.3.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=118.0.
GRAL Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
NSSC Event type se.
GRAL XI 05 06 29 47.8–.26 33.32N 35.42E 0–2 3.3
CSEM XI 05 06 29 47.8 33.32N 35.42E 0 3.3L ¶12072347
GRAL Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GRAL.
ISC XI 05 07 46 13.1–1.4 33.32N–.05 35.38E–.07 2–9 32 0-2
ISCJB XI 05 07 46 13.5–1.3 33.34N–.05 35.42E–.06 5–6 ¶12072356
CSEM XI 05 07 46 13.4–.32 33.34N 35.40E 5 3.2L
GRAL XI 05 07 46 14.0–.27 33.32N 35.42E 0–4 3.2
NSSC XI 05 07 46 15 33.35N 35.50E 12–2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=6.4km az=140.9.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.6km az=55.0.
GRAL Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
ISC XI 08 15 45 14.0–.69 36.46N–.03 38.27E–.03 2–4 65 0-3
ISCJB XI 08 15 45 14.4–.84 36.50N–.03 38.25E–.03 6–5 ¶12072834
DDA XI 08 15 45 14.7 36.54N 38.20E 4–5 3.3
CSEM XI 08 15 45 15.1–.37 36.52N 38.25E 10 2.3
NSSC XI 08 15 45 15 36.51N 38.21E 11–4 2.3
ISK XI 08 15 45 15.3 36.56N 38.25E 11 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.0km az=146.6.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.5km az=127.0.
NSSC Event type se.
ISC XI 11 02 35 13.8–1.4 33.28N–.05 35.35E–.07 1–8 36 0-2
ISCJB XI 11 02 35 14.2–1.4 33.31N–.05 35.39E–.07 3–7 ¶12073133
CSEM XI 11 02 35 14.6–.35 33.31N 35.39E 2 3.0L
GRAL XI 11 02 35 15.6–.27 33.32N 35.42E 0–4 3.0
NSSC XI 11 02 35 16 33.30N 35.48E 12–3 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=6.6km az=137.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.8km az=47.0.
GRAL Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
NSSC Event type se.
ISC XI 15 11 41 52.6–.64 35.07N–.03 37.05E–.04 11–5 46 0-2
ISCJB XI 15 11 41 52.2–.90 35.07N–.03 37.05E–.05 6–7 ¶13932775
CSEM XI 15 11 41 52.4–.18 35.07N 37.04E 10 2.0
DDA XI 15 11 41 52.7 35.21N 37.09E 6–7 3.1
NSSC XI 15 11 41 52 35.08N 37.04E 12–1 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=103.0.
GRAL XI 20 23 49 47.2–.29 33.02N 35.38E 0–5 2.9
¶12074344
GRAL Error ellipse: s-maj=4.5km s-min=1.1km az=-1.0.
ISC XI 24 13 21 40.4–.64 34.39N–.03 36.69E–.04 12–5 28 0-2
GRAL XI 24 13 21 37.4–.31 34.47N 36.89E 0–7 2.9 ¶12074684
CSEM XI 24 13 21 39.9–.24 34.39N 36.65E 15 1.6
ISCJB XI 24 13 21 40.4–.65 34.41N–.04 36.70E–.04 9–5 1.6
NSSC XI 24 13 21 40 34.43N 36.68E 13–5 1.6
ISC Event type ke.
GRAL Error ellipse: s-maj=7.1km s-min=7.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.9km az=129.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.4km az=141.2.
NSSC Event type se.
DDA XI 24 18 04 01.3 36.38N 40.81E 7–1 3.3
¶14011861
ISC XI 26 02 25 47.7–.47 36.97N–.03 36.67E–.04 11–6 39 0-2
ISCJB XI 26 02 25 47.1–.46 36.97N–.03 36.67E–.04 6–8 ¶12074852
CSEM XI 26 02 25 47.7–.19 36.96N 36.68E 2 3.0
DDA XI 26 02 25 47.1 36.98N 36.67E 7–4 3.0
ISK XI 26 02 25 47.5 36.99N 36.69E 7 1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=39.4.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=136.0.
ISC XI 27 12 07 30.5–1.5 34.27N–.09 36.6E–.10 18–10 20 0-3
ISCJB XI 27 12 07 29.1–1.4 34.30N–.07 36.67E–.09 10 ¶12075027
GRAL XI 27 12 07 29.7–.31 34.36N 36.69E 0–58 2.9
CSEM XI 27 12 07 30.0–.75 34.30N 36.60E 10 2.9L
DDA XI 27 12 07 34.8 34.82N 36.47E 5–1 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.4km s-min=5.6km az=39.1.
GRAL Error ellipse: s-maj=4.1km s-min=3.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=22.4km s-min=9.5km az=122.0.
ISC XI 30 14 29 35.3–2.1 36.18N–.09 36.4E–.20 5–21 17 0-3
ISK XI 30 14 29 32.5 35.96N 36.30E 5 2.8 ¶12075345
ISCJB XI 30 14 29 35.4–1.6 36.21N–.08 36.3E–.20 7–19 2.8
CSEM XI 30 14 29 35.0–1.1 36.16N 36.35E 2 2.7
DDA XI 30 14 29 35.7 36.24N 36.11E 7–4 2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=28.3km s-min=10.1km az=16.7.
CSEM Event type ke. Error ellipse: s-maj=30.7km s-min=14.0km az=137.0.
ISC XI 30 22 40 03.4–.50 36.97N–.03 36.68E–.04 8–6 39 0-2
ISCJB XI 30 22 40 02.8–.51 36.97N–.03 36.67E–.04 5–7 ¶12075369
ISK XI 30 22 40 02.8 36.99N 36.69E 7 2.1L
DDA XI 30 22 40 02.8 36.96N 36.69E 7–5 3.1
CSEM XI 30 22 40 03.3–.13 36.96N 36.69E 8 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.4km az=145.3.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=146.0.
GRAL XII 02 10 56 39.7–.33 33.45N 35.58E 4–3 3.1
CSEM XII 02 10 56 38.9–.16 33.45N 35.59E 5 3.1L ¶12075495
GRAL Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=2.6km az=93.0.
ISC XII 04 06 58 24.6–.89 36.12N–.07 36.08E–.06 14–5 24 0-2
ISK XII 04 06 58 23.8 36.08N 36.03E 12 2.8 ¶12864924
DDA XII 04 06 58 23.5 36.18N 36.02E 7–1 2.9
ISCJB XII 04 06 58 24.5–.92 36.12N–.08 36.05E–.06 13–6 2.9
CSEM XII 04 06 58 24.1–.30 36.08N 36.08E 13–1 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=6.8km az=19.2.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.3km az=8.0.
GRAL XII 07 18 04 23.7–.33 33.33N 35.44E 2–17 2.8
CSEM XII 07 18 04 23.1–.31 33.33N 35.43E 0–4 3.0L ¶12076235
GRAL Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=6.1km az=96.0.
ISC XII 10 07 46 53.2–.69 36.08N–.05 36.17E–.07 17–4 38 0-3
ISCJB XII 10 07 46 52.9–.68 36.06N–.05 36.19E–.07 20–5 ¶12865059
DDA XII 10 07 46 52.1 36.04N 36.25E 8–5 3.2
CSEM XII 10 07 46 52.9–.32 36.09N 36.17E 15 3.0
ISK XII 10 07 46 53.0 36.24N 36.24E 8 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=7.3km az=34.9.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=7.4km az=120.0.
GRAL XII 12 10 30 24.3–.30 33.42N 35.60E 0–41 2.8
CSEM XII 12 10 30 23.8–.22 33.45N 35.56E 2 2.8L ¶12077108
GRAL Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=3.5km az=96.0.
ISC XII 15 17 41 35.5–2.2 35.9N–.10 35.98E–.07 15–6 20 0-2
CSEM XII 15 17 41 33.0–1.2 35.76N 35.95E 10 2.9 ¶12865149
ISK XII 15 17 41 34.1 36.31N 36.38E 15 2.7
DDA XII 15 17 41 37.8 36.03N 36.19E 13–3 2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=22.3km s-min=11.5km az=8.0.
ISC XII 21 17 30 56.9–1.0 35.80N–.04 36.45E–.05 3–7 38 0-3
ISCJB XII 21 17 30 56.7–1.1 35.80N–.04 36.45E–.06 4–8 ¶12865256
DDA XII 21 17 30 57.2 35.87N 36.43E 7–1 3.2
ISK XII 21 17 30 58.2 35.90N 36.46E 7 3.2
CSEM XII 21 17 30 58.2–.53 35.89N 36.44E 2 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.2km az=15.8.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=4.9km az=170.0.

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ISK VII 05 19 00 18.1 36.18N 42.27E 2 3.6
CSEM VII 05 19 00 19.3–.15 36.16N 42.31E 4–0 3.6 ¶11514135
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=45.0.
ISC VII 28 21 38 25.4–1.5 36.93N–.07 43.51E–.10 7–8 46 0-5
ISK VII 28 21 38 24.5 36.95N 43.43E 7 3.7 ¶11514555
CSEM VII 28 21 38 24.4–1.1 36.90N 43.50E 5 3.7
DDA VII 28 21 38 25.5 37.02N 43.33E 7–2 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=27.6km s-min=7.4km az=135.0.
ISC VIII 07 20 38 49.4–1.0 36.52N–.03 42.71E–.06 15–8 38 1-4
ISCJB VIII 07 20 38 46.8–1.0 36.47N–.03 42.66E–.05 2–8 ¶11525296
DDA VIII 07 20 38 47.4 36.66N 42.45E 8–3 3.4
ISK VIII 07 20 38 49.2 36.55N 42.77E 18 3.6
CSEM VIII 07 20 38 49.4–.24 36.49N 42.82E 15 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.6km az=165.4.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.4km az=71.0.
ISC VIII 07 22 27 58.6–.63 36.74N–.05 42.69E–.05 10 30 1-4
DDA VIII 07 22 27 53.5 36.72N 42.44E 7–3 3.0 ¶11525299
ISK VIII 07 22 27 55.3 36.67N 42.70E 5 3.4
ISCJB VIII 07 22 27 57.3–.62 36.72N–.04 42.65E–.05 10 3.4
CSEM VIII 07 22 27 57.3–.29 36.72N 42.73E 2 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.6km az=165.7.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=6.2km az=159.0.

KISR VIII 29 18 50 27.4–.50 32.12N 45.34E 8–999 2.5L
¶12789003
KISR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IX 07 07 33 04.0–1.4 36.60N–.06 41.08E–.05 2–8 56 1-5
DDA IX 07 07 33 00.1 36.38N 40.89E 8–1 3.4 **¶13856205**
CSEM IX 07 07 33 04.8–.45 36.73N 41.07E 2 3.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.6km s-min=6.4km az=176.0.
ISC IX 15 00 19 30.1–.87 36.35N–.06 41.02E–.05 10 36 1-4
ISCJB IX 15 00 19 29.0–.95 36.30N–.06 40.96E–.07 10 **¶12789355**
DDA IX 15 00 19 28.7 36.38N 40.88E 1–1 3.3
CSEM IX 15 00 19 28.7 36.38N 40.88E 1 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=7.0km az=153.4.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DDA.
ISC IX 19 22 06 03.0–1.7 36.78N–.07 43.75E–.07 3–7 36 0-3
ISK IX 19 22 06 06.1 36.94N 43.63E 5 3.3 **¶11660841**
DDA IX 19 22 06 12.4 37.29N 43.64E 2–8 3.2
CSEM IX 19 22 06 12.3–2.4 37.28N 43.71E 2 3.2
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=73.3km s-min=19.4km az=128.0.
ISC XII 14 16 23 37.4–.38 35.93N–.03 44.56E–.04 10 79 2-7
CSEM XII 14 16 23 34.6–.27 35.80N 44.25E 2 3.9L **¶12609150**
ISK XII 14 16 23 36.4 36.19N 44.61E 5 4.0,4.0L
ISCJB XII 14 16 23 37.4–.46 36.03N–.03 44.57E–.04 10 4.0,4.0L
TEH XII 14 16 23 38.8 35.91N 44.58E 8 4.0,4.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.1km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.3km az=136.1.
ISC XII 19 02 31 59.6–2.1 36.11N–.04 41.16E–.04 16–15 64 1-5
DDA XII 19 02 31 56.4 36.19N 41.05E 2–0 3.7 **¶12865231**
ISCJB XII 19 02 31 57.3–1.6 36.05N–.04 41.16E–.04 10–11 3.7
CSEM XII 19 02 31 57.7–.41 36.10N 41.21E 2 3.7
ISK XII 19 02 32 02.4 36.36N 41.09E 32 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.5km az=20.9.
CSEM Event type ke. Error ellipse: s-maj=11.5km s-min=7.0km az=5.0.

SEISMIC REGION 31.
Western Mediterranean Area.

(376) Portugal.

ISC VII 26 16 09 12.9–.23 38.79N–.01 7.96W–.02 14–2 366 0-8
ISCJB VII 26 16 09 11.6–.25 38.81N–.01 7.88W–.02 9–2 **¶11163266**
CSEM VII 26 16 09 12.9–.09 38.79N 7.98W 10 4.0L
MDD VII 26 16 09 13.9–.22 38.78N 8.00W 10–0 3.2
NEIC VII 26 16 09 13.4 38.80N 7.97W 0 3.3
SFS VII 26 16 09 13.0 38.79N 7.97W 0 3.3L
LDG VII 26 16 09 13.9–.14 38.79N 8.01W 2–0 3.0L
IGIL VII 26 16 09 14.3 38.77N 7.97W 14 3.0L
INMG VII 26 16 09 14.1–1.1 38.78N 7.98W 14–2 3.3L,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=3.5.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=100.0.
MDD Error ellipse: s-maj=2.2km s-min=1.8km az=95.0.
NEIC Event type se. After MDD.
SFS Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=77.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=92.0.
ISC VIII 29 18 26 02.4–.28 38.11N–.01 8.49W–.02 19–1 396 0-10
SFS VIII 29 18 26 02.0 38.09N 8.53W 11 3.0L **¶11227305**
CSEM VIII 29 18 26 02.3–.15 38.11N 8.47W 15 3.4L
LDG VIII 29 18 26 02.2–.16 38.09N 8.56W 2–0 3.7,2.8L
NEIC VIII 29 18 26 02.8 38.10N 8.53W 11 3.0,2.8L
INMG VIII 29 18 26 03.5–1.2 38.06N 8.52W 16–2 3.1L,2.8
MDD VIII 29 18 26 03.4–.27 38.07N 8.53W 18–2 3.1,2.8
IGIL VIII 29 18 26 03.9 38.07N 8.53W 9 3.2L,2.8
ISC Event type ke.
SFS Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.9km az=71.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=76.0.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=85.0.
MDD Error ellipse: s-maj=3.0km s-min=1.9km az=70.0. PRIMO.
MDD IX 15 13 10 55.2–1.1 37.01N 9.20W 44–3 4.2b
CSEM IX 15 13 10 54.7–.36 37.05N 9.11W 15 3.4L **¶11362307**
IGIL IX 15 13 10 56.6 36.93N 9.18W 30 3.0L
INMG IX 15 13 10 56.3–1.3 36.94N 9.19W 27–3 2.4L
NEIC IX 15 13 10 58.6 37.44N 8.92W 4 2.5
MDD Error ellipse: s-maj=7.4km s-min=5.0km az=51.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=50.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=3.0km az=64.0.
NEIC Event type se. After MDD.
ISC IX 24 16 13 12.6–.26 38.21N–.01 8.25W–.02 11–2 292 0-8
ISCJB IX 24 16 13 12.1–.28 38.22N–.01 8.21W–.02 12–2 **¶11327281**
LDG IX 24 16 13 12.4–.16 38.19N 8.38W 2–0 3.6,2.9L
CSEM IX 24 16 13 12.6–.13 38.21N 8.23W 8 3.3L,2.9L
MDD IX 24 16 13 13.6–.27 38.19N 8.29W 11–0 3.0,2.9L
NEIC IX 24 16 13 13.3 38.20N 8.28W 4 2.9,2.9L
IGIL IX 24 16 13 13.8 38.18N 8.29W 5 2.9L,2.9L
INMG IX 24 16 13 13.4–1.2 38.19N 8.29W 5–2 2.9L,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=169.1.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=76.0.
MDD Error ellipse: s-maj=2.8km s-min=1.9km az=78.0. PRXIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=88.0.
ISC X 31 19 39 21.2–.24 40.84N–.01 7.27W–.02 8–2 360 0-8
ISCJB X 31 19 39 20.0–.28 40.83N–.01 7.22W–.02 8–2 **¶11395455**
CSEM X 31 19 39 21.1–.12 40.84N 7.29W 5 3.7L
LDG X 31 19 39 22.3–.06 40.86N 7.38W 2–0 3.2L
MDD X 31 19 39 22.8–.25 40.86N 7.33W 6–3 2.9
NEIC X 31 19 39 22.8 40.86N 7.35W 11 3.2L,2.9
INMG X 31 19 39 22.9–1.6 40.87N 7.35W 7–3 2.9L,2.7
IGIL X 31 19 39 23.6 40.87N 7.36W 5 3.0L,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=16.3.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=94.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=86.0.
MDD Error ellipse: s-maj=2.7km s-min=1.9km az=110.0. PRXIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=87.0.
ISC XI 11 11 51 18.6–.34 37.37N–.02 7.96W–.02 12–2 208 0-8
ISCJB XI 11 11 51 17.8–.35 37.40N–.02 7.93W–.02 13–2 **¶11456272**
LDG XI 11 11 51 18.7–.14 37.32N 8.02W 2–0 3.2L
CSEM XI 11 11 51 18.5–.14 37.37N 7.95W 10 3.4L
IGIL XI 11 11 51 19.5 37.34N 7.99W 2 3.1L
NEIC XI 11 11 51 19.4 37.37N 7.99W 7 2.8
SFS XI 11 11 51 19.0 37.67N 7.99W 0 2.8L
INMG XI 11 11 51 19.2–1.2 37.35N 7.98W 0–0 2.7L
MDD XI 11 11 51 19.4–.45 37.35N 7.99W 11–0 2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=140.1.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=25.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=40.0.
NEIC Event type se. After MDD.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=79.0.
MDD Error ellipse: s-maj=5.5km s-min=3.4km az=172.0. PRIMO.
INMG XI 23 12 28 26.3–1.2 37.97N 9.22W 25–4 2.5L
CSEM XI 23 12 28 25.6–.24 38.04N 9.09W 20 3.5L **¶11653341**
IGIL XI 23 12 28 26.3 37.96N 9.21W 24 2.2L
MDD XI 23 12 28 26.0–1.1 37.97N 9.24W 30–18 2.5
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.4km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.7km az=72.0.
MDD Error ellipse: s-maj=10.0km s-min=4.1km az=77.0. PRIMO.
ISC XII 11 10 44 38.1–.57 37.55N–.02 9.45W–.04 10 270 1-9
NEIC XII 11 10 44 38.3 37.59N 9.40W 20 3.4L **¶12076907**
ISCJB XII 11 10 44 38.2–.64 37.61N–.03 9.39W–.04 10 3.4L
INMG XII 11 10 44 38.9–1.2 37.40N 9.64W 21–4 2.9L
LDG XII 11 10 44 38.3–.47 37.59N 9.40W 20–0 3.4L
IGIL XII 11 10 44 38.7 37.39N 9.64W 21 3.2L
MDD XII 11 10 44 38.2–.84 37.38N 9.71W 30–18 3.1
CSEM XII 11 10 44 39.2–.30 37.54N 9.48W 20 3.7L
ISC Event type ke.
NEIC Event type se. After LDG.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=2.7km az=148.5.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=2.4km az=47.0.
LDG Event type ke. Error ellipse: s-maj=9.4km s-min=5.3km az=60.0.
MDD Error ellipse: s-maj=11.6km s-min=4.1km az=57.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.0km az=57.0.

(377) Spain.

ISC VII 05 09 25 26.1–.34 37.01N–.01 2.51W–.02 5–2 525 0-7
ISCJB VII 05 09 25 24.9–.35 37.05N–.02 2.57W–.02 3–2 **¶11108364**
MDD VII 05 09 25 27.3–.17 36.99N 2.48W 0 3.2
INMG VII 05 09 25 27.6–1.2 37.01N 2.48W 1–2 3.1L
LDG VII 05 09 25 27.3–.17 36.93N 2.47W 2–0 2.8L
NEIC VII 05 09 25 27.3 36.98N 2.48W 0 3.2
CSEM VII 05 09 25 27.4–.16 37.10N 2.55W 2 3.5L
CNRM VII 05 09 25 35.5 36.48N 2.59W 30 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=152.5.
MDD Error ellipse: s-maj=2.5km s-min=1.4km az=4.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=124.0.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=153.0.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=148.0.
CNRM Event type ke.
ISC VII 21 02 30 02.9–.33 39.06N–.01 0.56W–.02 8–2 777 0-10
ISCJB VII 21 02 30 00.8–.33 39.11N–.01 0.60W–.02 5–2 **¶11163209**
CSEM VII 21 02 30 02.3–.11 39.02N 0.51W 5 3.9L
INMG VII 21 02 30 02.8–1.5 39.02N 0.51W 1–3 3.8,3.6L
MDD VII 21 02 30 03.2–.21 39.01N 0.43W 0 3.7,3.6L
NEIC VII 21 02 30 03.5 39.01N 0.43W 0 4.0L,3.6L
LDG VII 21 02 30 03.9–.09 38.98N 0.42W 2–0 3.6L,3.6L
STR VII 21 02 30 11.2–.38 39.56N 0.30W 10–0 3.6L,3.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=1.6km az=138.1.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=137.0.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=111.0.
MDD Event type fe. Error ellipse: s-maj=2.5km s-min=2.0km az=108.0. EMS: IV XATIVA BARXETA CANALS. IV LLOCNOU D'EN FENOLLET.
NEIC Event type fe. Felt at Canals and Xativa. After MDD.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.3km az=132.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VII 22 02 31 04.6–.36 37.90N–.02 1.51W–.02 12–2 592 0-11
ISCJB VII 22 02 31 03.8–.37 37.99N–.02 1.62W–.02 9–2 **¶11163214**
MDD VII 22 02 31 04.9–.18 37.84N 1.44W 5–2 3.1
CSEM VII 22 02 31 04.1–.14 37.87N 1.51W 8 3.5L
INMG VII 22 02 31 04.8–1.0 37.85N 1.43W 8–1 3.0L
NEIC VII 22 02 31 05.0 37.82N 1.40W 11 3.1L,3.0
LDG VII 22 02 31 05.1–.11 37.83N 1.44W 2–0 3.1L,3.0
SFS VII 22 02 31 05.0 37.81N 1.39W 11 3.0L,3.0
IGIL VII 22 02 31 05.1 37.82N 1.40W 11 3.2L,3.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.0km az=149.5.
MDD Event type fe. Error ellipse: s-maj=2.8km s-min=1.8km az=168.0. EMS: II TOTANA.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=148.0.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=126.0.
NEIC Event type fe. Felt at Totana. After MDD.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=143.0.
SFS Event type ke.
ISC VII 22 22 36 31.7–.26 41.93N–.01 2.57E–.01 12–1 909 0-13
CSEM VII 22 22 36 30.9–.10 41.91N 2.60E 5 4.4L **¶11163219**
MDD VII 22 22 36 32.3–.19 41.86N 2.61E 6–2 4.0
MRB VII 22 22 36 32.4 41.86N 2.59E 4–12 3.8L
INMG VII 22 22 36 32.3–1.2 41.86N 2.56E 11–2 3.6L
LDG VII 22 22 36 32.8–.07 41.88N 2.59E 4–0 4.3L,3.8
STR VII 22 22 36 35.0–.42 42.08N 2.52E 5–0 4.1L,3.8
NEIC VII 22 22 36 35.0 42.08N 2.52E 5 4.3L,4.1L
ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=139.0.
MDD Event type fe. Error ellipse: s-maj=2.2km s-min=1.4km az=127.0. EMS: IV INTENSIDAD MAXIMA.
MRB Event type ke. Error ellipse: s-maj=0.4km s-min=0.2km az=327.0.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=117.0.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=135.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type se. After STR.
ISC VIII 05 22 41 21.4–.31 38.16N–.01 0.88W–.02 8–1 811 0-11
ISCJB VIII 05 22 41 19.8–.33 38.27N–.02 0.99W–.02 0–1 **¶11158561**
SFS VIII 05 22 41 21.0 38.04N 0.78W 7 3.4L
CSEM VIII 05 22 41 21.2–.15 38.14N 0.88W 5 3.8L
NEIC VIII 05 22 41 21.9 38.05N 0.78W 7 3.5L,3.4
MDD VIII 05 22 41 22.0–.36 38.05N 0.78W 7–2 3.4,3.4
INMG VIII 05 22 41 21.8–1.7 38.05N 0.77W 12–3 3.3L,3.4
LDG VIII 05 22 41 21.8–.13 38.03N 0.77W 2–0 3.4L,3.4
STR VIII 05 22 41 31.4–.34 38.71N 0.64W 10–0 3.5L,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.7km az=144.0.
SFS Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=1.9km az=142.0.
NEIC Event type fe. Felt [III] at Algorfa, Alicante, Almoradi, Elche, Guardamar del Segura, Orihuela, San Pedro del Pinatar, Santa Pola and Torrevieja. After MDD.
MDD Event type fe. Error ellipse: s-maj=3.9km s-min=2.0km az=133.0. EMS: III ALGORFA TORREVIEJA GUARDAMAR DEL. PRIMO SEGURA ALMORADA, ORIHUELA SANTA POLA ELCHE ALICANTE SAN PEDRO DEL PINATAR.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=1.9km az=133.0.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=1.4km az=140.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
MDD VIII 05 23 36 02.4–.58 42.43N 6.99W 0 1.4
CSEM VIII 05 23 36 01.6–.23 42.44N 7.02W 8 1.3L **¶13390954**
MDD Error ellipse: s-maj=5.5km s-min=3.9km az=66.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=72.0.
ISC VIII 15 10 07 07.7–.33 37.82N–.02 1.61W–.02 6–2 445 0-10
ISCJB VIII 15 10 07 07.0–.28 37.88N–.02 1.68W–.02 10 **¶11227205**
CSEM VIII 15 10 07 07.3–.29 37.81N 1.64W 2 3.0L
MDD VIII 15 10 07 08.6–.26 37.77N 1.58W 0–3 3.3
NEIC VIII 15 10 07 08.7 37.77N 1.57W 0 3.1
INMG VIII 15 10 07 08.6–1.5 37.74N 1.58W 3–2 3.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.7km az=153.3.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=3.4km az=140.0.
MDD Event type fe. Error ellipse: s-maj=3.2km s-min=1.7km az=158.0. EMS: III TOTANA LORCA. PRIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=127.0.
ISC VIII 16 10 21 20.3–.42 41.40N–.02 3.07E–.02 11–2 446 0-9
ISCJB VIII 16 10 21 18.4–.40 41.35N–.02 3.11E–.02 9–2 **¶11358988**
CSEM VIII 16 10 21 19.5–.13 41.37N 3.06E 2 3.6L

MDD VIII 16 10 21 21.1–.52 41.40N 3.09E 6–3 3.7
MRB VIII 16 10 21 21.5 41.41N 3.07E 18–1 3.8L
NEIC VIII 16 10 21 21.5 41.41N 3.07E 8 3.8L,3.4
INMG VIII 16 10 21 21.5–1.1 41.33N 2.98E 0–0 3.1L,3.4
STR VIII 16 10 21 25.0–.38 41.66N 3.06E 10–0 3.8L,3.4
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.3km az=28.7.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=114.0.
MDD Error ellipse: s-maj=4.0km s-min=2.6km az=118.0. PRIMO.
MRB Event type ke.
NEIC Event type fe. Felt at Barcelona and Palafrugell. After MDD.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=2.1km az=71.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VIII 18 05 02 28.7–.40 38.14N–.02 0.85W–.02 7–2 407 0-25
ISCJB VIII 18 05 02 27.5–.40 38.21N–.02 0.92W–.02 3–2 **¶11358999**
MDD VIII 18 05 02 28.9–.40 38.07N 0.79W 0 2.6
IDC VIII 18 05 02 28.9–1.9 38.04N 0.85W 0 3.2b,3.1
CSEM VIII 18 05 02 28.5–.16 38.14N 0.85W 5 2.9L,3.1
NEIC VIII 18 05 02 29.4 38.09N 0.79W 1 2.7,3.1
INMG VIII 18 05 02 29.3–1.1 38.09N 0.78W 0–0 2.6L,3.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.3km s-min=2.3km az=142.3.
MDD Error ellipse: s-maj=4.7km s-min=2.4km az=136.0. PRIMO SENTIDO LEVEMENTE EN LAS LOCALIDADES DE ALMORFA Y ALMORAD(ALICANTE).
IDC Error ellipse: s-maj=35.9km s-min=15.9km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=138.0.
NEIC Event type fe. Felt at Callosa de Segura, San Javier and Torrevieja. After MDD.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=132.0.
ISC IX 14 14 03 38.7–.27 38.34N–.01 0.98W–.01 8–1 961 1-10
INMG IX 14 14 03 36.9–1.7 38.20N 0.63W 22–4 3.8L **¶11302747**
ISCJB IX 14 14 03 36.4–.27 38.41N–.01 1.06W–.01 1–1 3.8L
CSEM IX 14 14 03 38.1–.09 38.32N 0.97W 2 4.0L
NEIC IX 14 14 03 39.1 38.27N 0.88W 0 3.8L,3.6L
SFS IX 14 14 03 39.0 38.26N 0.87W 4 3.5L,3.6L
CRAAG IX 14 14 03 39.6 39.20N 0.90W 3.5L,3.6L
LDG IX 14 14 03 39.5–.11 38.25N 0.87W 2–0 3.8L,3.6L
IGIL IX 14 14 03 39.4 38.27N 0.88W 4 3.5L,3.6L
MDD IX 14 14 03 40.0–.22 38.27N 0.89W 11–0 3.5,3.6L
CNRM IX 14 14 03 41.7 38.22N 0.68W 30 3.8,3.6L
STR IX 14 14 03 46.2–.39 38.75N 0.85W 10–0 3.8L,3.6L
ISC Event type fe.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=2.3km az=113.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=141.2.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=135.0.
NEIC Event type fe. Felt at Aspe, Crevillent, Molina de Segura, Santomera and Yecla. After MDD.
SFS Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=138.0.
MDD Event type fe. Error ellipse: s-maj=2.9km s-min=1.8km az=131.0. EMS: IV CREVILLENTE ALBATERA HOND DE LOS. PRIMO FRAILES III ELDA ELCHE ASPE PETRER MURCIA ABANILLA FORTUNA SANTOMERA II NOVELDA ALICANTE.
CNRM Event type ke.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC X 02 04 02 53.0–.23 37.114N–.01 5.390W–.01 7–1 4.5b,4.1s 1798 0-152
IDC X 02 04 02 51.0–.55 36.96N 5.40W 0 4.3,4.3 **¶13395680**
ISCJB X 02 04 02 51.5–.24 37.18N–.01 5.38W–.01 6–1 4.5b,4.1s
CSEM X 02 04 02 52.7–.08 37.06N 5.43W 10 5.2L,4.6b
BJI X 02 04 02 53.4 37.72N 5.22W 10 5.2b,4.9s
MDD X 02 04 02 53.7–.19 37.04N 5.41W 8–2 4.7,4.9s
MOS X 02 04 02 53.2–1.5 37.24N 5.38W 20 4.8b,4.4s
CRAAG X 02 04 02 53.7 37.05N 5.44W 4.8b,4.4s
LDG X 02 04 02 53.1–.12 37.03N 5.42W 6–0 4.5L,4.0s
CNRM X 02 04 02 53.3 37.22N 5.51W 30 4.2,4.0s
IGIL X 02 04 02 53.8 37.06N 5.41W 6 4.8L,4.0s
SFS X 02 04 02 54.0 37.10N 5.47W 5 3.8L,4.0s
INMG X 02 04 02 54.3–2.0 37.05N 5.42W 14–3 4.7L,4.0s
NEIC X 02 04 02 54.1 37.10N 5.43W 5 4.7b,4.7
SZGRF X 02 04 02 54.2 36.35N 4.73W 33 4.3b,4.7
ISC Event type fe.
IDC Error ellipse: s-maj=18.0km s-min=11.4km az=104.0.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=178.3.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=174.0.
MDD Event type fe. Error ellipse: s-maj=1.9km s-min=1.7km az=167.0. EMS: AMPLIAMENTE SENTIDO EN LAS PROVINCIAS DE SEVILLA, CADIZ Y MALAGA. PRIMO.
MOS Error ellipse: s-maj=5.7km s-min=2.6km az=59.9.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=166.0.
CNRM Event type ke.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=6.0.
NEIC Event type fe. Felt at Cadiz, Fuengirola, La Linea de la Concepcion, Malaga, Moron de la Frontera, Priego de Cordoba and Sevilla. After MDD.
SZGRF Strait of Gibraltar.
ISC X 02 04 05 05.5–.26 37.06N–.01 5.43W–.02 15–1 3.9b,3.8s 442 0-80
ISCJB X 02 04 05 04.2–.28 37.05N–.01 5.47W–.02 11–2 3.9b,3.8s **¶11339678**
IDC X 02 04 05 04.7–1.1 36.90N 5.55W 0 4.2L,4.0
CNRM X 02 04 05 05.4 37.23N 5.50W 30 4.0,4.0
CSEM X 02 04 05 05.3–.08 37.03N 5.43W 12 4.5L,4.0
MDD X 02 04 05 06.7–.22 37.01N 5.43W 11–0 3.9,4.0
SFS X 02 04 05 06.0 37.00N 5.40W 11 3.8L,4.0
NEIC X 02 04 05 06.9 37.04N 5.44W 10 4.1L,3.7
LDG X 02 04 05 06.1–.16 37.03N 5.47W 10–0 4.1L,3.7
INMG X 02 04 05 07.2–1.5 37.02N 5.42W 16–3 3.6L,3.7
IGIL X 02 04 05 08.0 37.04N 5.44W 13 4.1L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=36.9.
IDC Error ellipse: s-maj=38.8km s-min=20.2km az=89.0.
CNRM Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=29.0.
MDD Error ellipse: s-maj=2.5km s-min=1.9km az=12.0. PRIMO.
SFS Event type ke.
NEIC Event type se. After MDD.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=10.0.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=16.0.
ISC X 02 04 44 49.6–.25 37.13N–.01 5.40W–.01 10–2 473 0-7
ISCJB X 02 04 44 48.3–.28 37.19N–.01 5.42W–.01 4–2 **¶11339680**
CSEM X 02 04 44 49.5–.08 37.11N 5.40W 10 3.7L
MDD X 02 04 44 50.5–.22 37.07N 5.40W 7–2 3.0
LDG X 02 04 44 50.7–.13 37.06N 5.42W 10–0 3.4L
NEIC X 02 04 44 51.0 37.06N 5.39W 11 3.4L,3.1
IGIL X 02 04 44 51.0 37.06N 5.39W 8 3.2L,3.1
SFS X 02 04 44 51.0 37.00N 5.30W 11 3.1L,3.1
INMG X 02 04 44 51.3–1.4 37.08N 5.39W 15–2 3.0L,3.1
CNRM X 02 04 44 52.0 37.12N 5.40W 30 3.4,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=15.8.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=13.0.
MDD Error ellipse: s-maj=2.3km s-min=1.7km az=177.0. PRIMO.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=7.0.
NEIC Event type se. After MDD.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=8.0.
CNRM Event type ke.
ISC X 02 05 14 18.5–.24 37.12N–.01 5.44W–.01 9–1 675 0-11
ISCJB X 02 05 14 17.1–.25 37.16N–.01 5.45W–.01 6–1 **¶11339681**
CSEM X 02 05 14 18.5–.08 37.10N 5.43W 10 4.0L
MDD X 02 05 14 19.6–.20 37.05N 5.44W 8–2 3.6
LDG X 02 05 14 19.6–.15 37.00N 5.47W 10–0 3.7L
SFS X 02 05 14 19.0 37.00N 5.40W 5 3.5L
NEIC X 02 05 14 19.7 37.08N 5.42W 5 3.7L,3.5
INMG X 02 05 14 20.1–1.4 37.05N 5.44W 15–2 3.6L,3.3
IGIL X 02 05 14 20.0 37.08N 5.42W 0 3.9L,3.3
CNRM X 02 05 14 23.0 36.93N 5.88W 30 3.7,3.3

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=17.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=20.0.
MDD Error ellipse: s-maj=2.2km s-min=1.6km az=179.0. PRIMO.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=6.0.
SFS Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=6.0.
CNRM Event type ke.
ISC X 02 05 57 37.1–.30 37.16N–.02 5.42W–.02 9–2 322 0-5
ISCJB X 02 05 57 36.0–.32 37.21N–.02 5.44W–.02 4–2 **¶11525866**
CSEM X 02 05 57 37.1–.11 37.14N 5.41W 10 3.2L
SFS X 02 05 57 38.0 37.00N 5.00W 5 3.5L
INMG X 02 05 57 38.9–1.2 37.08N 5.43W 15–2 2.4L
NEIC X 02 05 57 38.3 37.09N 5.41W 8 2.5
MDD X 02 05 57 38.3–.24 37.06N 5.41W 11–0 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=6.4.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=11.0.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=20.0.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=2.7km s-min=1.9km az=6.0. PRIMO.
MDD X 02 06 27 01.0–.41 37.05N 5.43W 0 1.4
CSEM X 02 06 27 00.3–.31 37.09N 5.49W 2 1.4L **¶13395734**
MDD Error ellipse: s-maj=4.5km s-min=2.8km az=70.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.3km az=66.0.
MDD X 02 07 21 53.3–.48 37.04N 5.39W 10–2 1.6
CSEM X 02 07 21 52.4–.20 37.09N 5.38W 2 1.7L **¶13395747**
MDD Error ellipse: s-maj=4.2km s-min=3.4km az=4.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=55.0.
ISC X 02 09 05 09.1–.24 37.11N–.01 5.44W–.01 10–1 400 0-10
ISCJB X 02 09 05 07.9–.25 37.17N–.01 5.44W–.01 5–2 **¶11339682**
CSEM X 02 09 05 09.2–.09 37.10N 5.43W 10 3.9L
LDG X 02 09 05 10.1–.14 37.01N 5.45W 10–0 3.4L
MDD X 02 09 05 10.1–.20 37.05N 5.44W 7–2 3.3
SFS X 02 09 05 10.0 37.07N 5.43W 7 3.3L
NEIC X 02 09 05 10.2 37.07N 5.44W 7 3.4L,3.3
IGIL X 02 09 05 10.2 37.07N 5.44W 7 3.4L,3.3
INMG X 02 09 05 10.6–1.3 37.01N 5.41W 17–2 3.3L,3.3
CNRM X 02 09 05 13.6 37.06N 5.48W 30 3.7,3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=11.9.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=5.0.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=2.0.
MDD Error ellipse: s-maj=2.4km s-min=1.7km az=173.0. PRXIMO.
SFS Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=5.0.
CNRM Event type ke.
ISC X 02 09 22 13.1–.25 37.11N–.01 5.40W–.01 10–2 348 0-7
ISCJB X 02 09 22 11.8–.27 37.15N–.02 5.41W–.01 6–2 **¶11339683**
CSEM X 02 09 22 13.0–.07 37.09N 5.39W 10 3.8L
MDD X 02 09 22 14.3–.21 37.05N 5.40W 10–0 3.2
INMG X 02 09 22 14.6–1.4 37.04N 5.39W 16–3 3.3,3.2L
LDG X 02 09 22 14.0–.14 37.02N 5.43W 10–0 3.4L,3.2L
IGIL X 02 09 22 14.6 37.08N 5.40W 0 3.2L,3.2L
NEIC X 02 09 22 14.1 37.08N 5.40W 6 3.4L,3.2
SFS X 02 09 22 14.0 37.00N 5.40W 6 3.2L,3.2
CNRM X 02 09 22 15.9 37.11N 5.35W 30 3.4,3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=3.7.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=2.0.
MDD Error ellipse: s-maj=2.4km s-min=1.7km az=177.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=3.0.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=2.0.
NEIC Event type se. After MDD.
SFS Event type ke.
CNRM Event type ke.
ISC X 02 11 22 13.6–.28 37.14N–.02 5.41W–.01 10–2 268 0-5
ISCJB X 02 11 22 12.3–.29 37.20N–.02 5.43W–.01 3–2 **¶11449901**
CSEM X 02 11 22 13.5–.09 37.13N 5.41W 10 3.5L
NEIC X 02 11 22 14.8 37.08N 5.42W 10 2.8
SFS X 02 11 22 14.0 37.07N 5.41W 11 2.8L
MDD X 02 11 22 14.8–.24 37.05N 5.41W 11–0 2.7
IGIL X 02 11 22 15.0 37.08N 5.42W 12 2.8L
INMG X 02 11 22 15.3–1.6 37.06N 5.40W 16–3 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=6.8.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=9.0.
NEIC Event type se. After MDD.
SFS Event type ke.
MDD Error ellipse: s-maj=2.7km s-min=1.8km az=4.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=14.0.
MDD X 03 01 18 07.0–.39 37.10N 5.43W 20–6 2.0
CSEM X 03 01 18 07.1 37.16N 5.41W 0 1.8L **¶11525880**
MDD Error ellipse: s-maj=4.5km s-min=3.5km az=6.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
MDD X 03 01 18 23.6–.47 37.08N 5.46W 11–0 2.3
CSEM X 03 01 18 22.3–.15 37.15N 5.46W 5 3.2L **¶11525881**
INMG X 03 01 18 24.0–.92 37.08N 5.46W 3–5 2.6L
MDD Error ellipse: s-maj=4.0km s-min=2.9km az=179.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=25.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=137.0.
MDD X 03 21 15 45.9–.34 37.04N 5.43W 7–5 1.3
CSEM X 03 21 15 45.4–.21 37.09N 5.43W 10 1.3L **¶14554776**
MDD Error ellipse: s-maj=3.7km s-min=3.4km az=149.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.2km az=137.0.
ISC X 04 09 50 01.7–.27 37.10N–.01 5.42W–.01 11–2 359 0-7
ISCJB X 04 09 50 00.5–.28 37.17N–.02 5.44W–.01 3–2 **¶11339696**
CSEM X 04 09 50 01.6–.09 37.08N 5.42W 10 3.5L
IGIL X 04 09 50 02.5 37.08N 5.42W 0 3.3L
SFS X 04 09 50 02.0 37.07N 5.42W 8 2.9L
LDG X 04 09 50 02.5–.12 37.04N 5.46W 5–0 3.1L
MDD X 04 09 50 02.8–.21 37.06N 5.43W 8–2 2.9
NEIC X 04 09 50 02.9 37.08N 5.42W 8 3.1L,2.9
INMG X 04 09 50 03.5–1.7 37.07N 5.41W 15–3 2.9L,2.9
CNRM X 04 09 50 09.8 36.94N 5.34W 30 3.1,2.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.8km az=6.8.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=6.0.
SFS Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=7.0.
MDD Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=172.0. EMS: III CORIPE. PRXIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=13.0.
CNRM Event type ke.
MDD X 04 20 09 02.6–.45 37.06N 5.45W 8–4 1.3
CSEM X 04 20 09 01.8–.26 37.09N 5.43W 10 1.5L **¶14554842**
MDD Error ellipse: s-maj=3.7km s-min=3.3km az=77.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=5.0km az=55.0.
ISC X 06 20 17 00.0–.40 37.08N–.03 5.42W–.02 8–3 136 0-4
ISCJB X 06 20 16 58.9–.41 37.10N–.03 5.43W–.02 3–3 **¶11339715**
CSEM X 06 20 17 00.0–.09 37.06N 5.41W 8 3.3L
INMG X 06 20 17 01.9–1.0 37.05N 5.40W 14–2 2.7L
MDD X 06 20 17 01.5–.29 37.05N 5.42W 10–0 2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.0km az=0.9.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.5km az=7.0.
INMG Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=14.0.

MDD Error ellipse: s-maj=3.1km s-min=2.2km az=8.0. PRXIMO.
ISC X 08 16 04 46.5–.25 37.13N–.02 5.39W–.01 11–2 378 0-7
CNRM X 08 16 04 42.8 36.94N 5.45W 30 3.5 ¶11348981
ISCJB X 08 16 04 45.3–.27 37.20N–.02 5.41W–.01 6–2 3.5
LDG X 08 16 04 46.8–.12 37.06N 5.43W 2–0 3.9L
CSEM X 08 16 04 46.6–.08 37.12N 5.39W 10 4.0L
MDD X 08 16 04 47.5–.20 37.06N 5.40W 10–0 3.5
SFS X 08 16 04 47.0 37.05N 5.40W 0 3.6L
NEIC X 08 16 04 47.6 37.07N 5.42W 11 3.9L,3.3
INMG X 08 16 04 48.0–1.3 37.05N 5.41W 16–2 3.5L,3.3
IGIL X 08 16 04 49.0 37.06N 5.41W 19 3.7L,3.3
ISC Event type fe.
CNRM Event type ke.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=12.9.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=6.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=5.0.
MDD Event type fe. Error ellipse: s-maj=2.3km s-min=1.8km az=177.0. EMS: II MORN DE LA FRONTERA. PRXIMO.
SFS Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=177.0.
ISC X 08 22 49 42.1–.24 37.14N–.01 5.37W–.01 10–1 383 0-11
ISCJB X 08 22 49 40.7–.26 37.19N–.01 5.38W–.01 6–2 ¶11348984
CSEM X 08 22 49 41.8–.10 37.10N 5.39W 8 3.6L
NEIC X 08 22 49 43.0–.84 37.18N 5.44W 5 3.1L
LDG X 08 22 49 42.8–.10 37.06N 5.40W 2–0 3.5L
IGIL X 08 22 49 43.4 37.06N 5.40W 8 3.1L
INMG X 08 22 49 43.5–1.3 37.07N 5.39W 14–2 3.0L
MDD X 08 22 49 43.0–.21 37.05N 5.40W 10–0 3.1
SFS X 08 22 49 43.0 37.06N 5.40W 0 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=9.7.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=8.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=6.3km az=139.0.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=10.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=16.0.
MDD Error ellipse: s-maj=2.3km s-min=1.8km az=5.0. PRXIMO.
SFS Event type ke.
ISC X 08 22 50 56.4–.30 37.12N–.02 5.40W–.02 13–2 187 0-5
ISCJB X 08 22 50 55.0–.33 37.19N–.02 5.43W–.02 5–2 ¶11449923
CSEM X 08 22 50 56.4–.11 37.12N 5.40W 12 3.5L
MDD X 08 22 50 57.8–.29 37.05N 5.41W 11–0 2.8
SFS X 08 22 50 57.0 37.08N 5.41W 0 2.8L
NEIC X 08 22 50 57.9 37.08N 5.41W 12 2.8,2.8L
INMG X 08 22 50 58.4–1.5 37.03N 5.38W 19–3 2.8L,2.8L
IGIL X 08 22 50 58.2 37.08N 5.41W 12 3.3L,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=17.1.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=10.0.
MDD Error ellipse: s-maj=2.9km s-min=2.2km az=1.0. PRXIMO.
SFS Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=14.0.
MDD X 09 06 43 27.9–.95 37.01N 5.43W 9–10 1.5 ¶14554967
MDD Error ellipse: s-maj=5.4km s-min=4.7km az=95.0. PRXIMO SIN SOLUCIN.
MDD X 09 06 43 33.6–.77 37.08N 5.44W 11–1 1.7
CSEM X 09 06 43 29.1–.37 36.88N 5.46W 5 2.5L ¶11525941
INMG X 09 06 43 34.4–1.6 37.09N 5.39W 22–6 1.8L
MDD Error ellipse: s-maj=6.6km s-min=4.4km az=170.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.0km az=173.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=137.0.
ISC X 11 05 40 14.0–.40 37.52N–.03 1.99W–.02 8–2 242 1-9
ISCJB X 11 05 40 13.1–.39 37.51N–.03 1.98W–.02 15–2 ¶11349033
MDD X 11 05 40 14.7–.61 37.46N 1.91W 18–5 2.9
NEIC X 11 05 40 15.0 37.46N 1.89W 0 2.9
LDG X 11 05 40 14.2–.20 37.46N 1.90W 10–0 3.3L
CSEM X 11 05 40 14.0–.20 37.49N 1.97W 10 3.5L
INMG X 11 05 40 15.1–1.6 37.50N 1.94W 5–3 2.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=2.6km az=161.9.
MDD Error ellipse: s-maj=5.7km s-min=3.4km az=140.0. PRXIMO.
NEIC Event type fe. Felt at Huercal-Overa. After MDD.
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=2.3km az=140.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.5km az=155.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=145.0.
MDD X 14 09 05 56.9–.50 37.03N 5.42W 10–2 2.0
CSEM X 14 09 05 56.0–.20 37.10N 5.38W 2 2.0L ¶14555124
MDD Error ellipse: s-maj=4.8km s-min=3.5km az=8.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=145.0.
MDD X 14 09 06 35.1–.33 37.05N 5.38W 7–7 2.5
CSEM X 14 09 06 33.7–.19 37.10N 5.39W 10 2.4L ¶14555121
SFS X 14 09 06 35.0 37.04N 5.40W 20 2.4L
MDD Error ellipse: s-maj=4.3km s-min=2.8km az=164.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=171.0.
SFS Event type ke.
ISC X 14 09 06 56.6–.26 37.17N–.01 5.40W–.01 6–2 313 0-7
ISCJB X 14 09 06 55.1–.27 37.22N–.01 5.41W–.01 1–2 ¶11349206
CSEM X 14 09 06 56.3–.09 37.18N 5.39W 2 3.6L
LDG X 14 09 06 57.6–.14 37.06N 5.42W 2–0 3.5L
SFS X 14 09 06 57.0 37.11N 5.38W 0 3.1L
MDD X 14 09 06 57.9–.24 37.11N 5.40W 6–3 3.0
IGIL X 14 09 06 57.6 37.11N 5.38W 3 3.3L
NEIC X 14 09 06 58.0 37.12N 5.39W 0 3.1
INMG X 14 09 06 58.4–1.5 37.10N 5.39W 16–3 3.0L
CNRM X 14 09 07 00.3 37.29N 5.02W 30 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=13.4.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=5.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=3.0.
SFS Event type ke.
MDD Error ellipse: s-maj=2.7km s-min=2.0km az=169.0. PRXIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=18.0.
CNRM Event type ke.
MDD X 17 23 37 56.0–.44 37.05N 5.41W 0 1.4
CSEM X 17 23 37 54.8–.16 37.05N 5.42W 2 1.4L ¶14555161
MDD Error ellipse: s-maj=5.2km s-min=3.2km az=175.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.5km az=2.0.
MDD X 17 23 38 19.8–.49 37.08N 5.38W 10–5 1.6
CSEM X 17 23 38 18.9–.22 37.09N 5.38W 12 1.6L ¶14555158
MDD Error ellipse: s-maj=5.3km s-min=3.0km az=2.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.8km az=176.0.
MDD X 18 04 30 32.4–.89 37.01N 5.42W 10–7 1.1 ¶14555203
MDD Error ellipse: s-maj=14.2km s-min=6.1km az=157.0. PRXIMO SIN SOLUCIN.
MDD X 18 04 30 38.7–.85 37.07N 5.40W 10–3 1.3
CSEM X 18 04 30 37.3–.18 37.10N 5.41W 23–4 1.3L ¶14555272
MDD Error ellipse: s-maj=7.3km s-min=3.9km az=179.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=168.0.
MDD X 18 10 55 06.8–.68 37.20N 5.42W 0 1.2
CSEM X 18 10 55 06.6 37.21N 5.44W 0 1.3L ¶14555257
MDD Error ellipse: s-maj=6.2km s-min=5.0km az=3.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
MDD X 18 10 57 57.0–.56 37.10N 5.44W 0 1.0
CSEM X 18 10 57 55.4–.15 37.11N 5.42W 30 1.2L ¶14555256
MDD Error ellipse: s-maj=5.5km s-min=4.1km az=171.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=23.0.
MDD X 21 23 31 44.7–1.4 37.09N 5.42W 12–4 0.9
CSEM X 21 23 31 44.5 37.08N 5.42W 19 0.9L ¶14555315
MDD Error ellipse: s-maj=10.4km s-min=6.9km az=24.0. PRXIMO SOLUCIN POBRE.

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
MDD X 22 00 05 15.6–.50 37.04N 5.39W 0 1.5
CSEM X 22 00 05 14.4–.24 37.09N 5.36W 2 1.5L ¶14555452
MDD Error ellipse: s-maj=4.3km s-min=3.8km az=84.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.7km az=39.0.
MDD X 22 01 09 09.7–.59 37.03N 5.33W 0 1.0
CSEM X 22 01 09 08.6–.32 37.07N 5.31W 2 1.0L ¶14555448
MDD Error ellipse: s-maj=7.0km s-min=3.9km az=122.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.6km az=150.0.
MDD X 22 18 21 20.0–.60 37.05N 5.38W 0 1.4
CSEM X 22 18 21 20.6–.31 37.19N 5.35W 2 1.4L ¶14555424
MDD Error ellipse: s-maj=7.5km s-min=4.0km az=104.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=6.3km az=179.0.
MDD X 22 18 21 29.2–.62 37.02N 5.40W 0 1.7
CSEM X 22 18 21 27.8–.08 37.02N 5.41W 10 1.7L ¶14555421
MDD Error ellipse: s-maj=6.3km s-min=4.4km az=6.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=28.0.
ISC X 30 09 58 58.8–.30 37.13N–.02 5.45W–.01 10–2 323 0-12
ISCJB X 30 09 58 57.5–.33 37.21N–.02 5.45W–.02 4–2 ¶11395443
LDG X 30 09 58 57.9–.21 36.95N 5.53W 2–0 3.5L
CSEM X 30 09 58 58.8–.09 37.11N 5.44W 10 3.8L
MDD X 30 09 59 00.2–.29 37.03N 5.43W 14–3 3.2
NEIC X 30 09 59 00.3 37.05N 5.43W 14 3.3
INMG X 30 09 59 00.0–1.3 37.05N 5.41W 14–2 3.3L
SFS X 30 09 59 00.0 37.03N 5.43W 15 3.4L
IGIL X 30 09 59 01.0 37.04N 5.44W 15 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=15.9.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=2.8km az=6.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=10.0.
MDD Error ellipse: s-maj=3.4km s-min=2.2km az=3.0. PRXIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=19.0.
SFS Event type ke.
ISC XI 06 12 50 43.5–.28 37.14N–.02 5.39W–.01 10–2 290 0-7
ISCJB XI 06 12 50 42.4–.30 37.19N–.02 5.42W–.01 6–2 ¶11456242
CSEM XI 06 12 50 43.4–.10 37.12N 5.39W 10 3.8L
SFS XI 06 12 50 44.0 37.00N 5.40W 0 3.1L
NEIC XI 06 12 50 44.8 37.07N 5.41W 11 3.1
LDG XI 06 12 50 44.2–.10 37.05N 5.40W 2–0 3.4L
MDD XI 06 12 50 45.0–.23 37.01N 5.39W 14–2 3.2
INMG XI 06 12 50 45.5–1.4 37.04N 5.37W 22–2 3.1L
IGIL XI 06 12 50 45.1 37.07N 5.41W 11 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=15.1.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=9.0.
SFS Event type ke.
NEIC Event type se. After MDD.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=1.0.
MDD Error ellipse: s-maj=2.8km s-min=2.1km az=166.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=12.0.
ISC XI 06 12 55 00.4–.26 37.13N–.02 5.39W–.01 11–2 326 0-10
ISCJB XI 06 12 54 59.1–.28 37.18N–.02 5.41W–.01 6–2 ¶11456243
CSEM XI 06 12 55 00.3–.10 37.11N 5.40W 10 3.7L
LDG XI 06 12 55 00.5–.13 37.03N 5.44W 2–0 3.4L
SFS XI 06 12 55 01.0 37.00N 5.40W 0 2.9L
INMG XI 06 12 55 01.7–1.3 37.00N 5.35W 21–2 3.2L
NEIC XI 06 12 55 01.8 37.07N 5.42W 11 2.9
MDD XI 06 12 55 01.4–.25 37.04N 5.40W 11–0 3.2
IGIL XI 06 12 55 02.1 37.07N 5.42W 11 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=9.5.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=4.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=4.0.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=151.0.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=2.8km s-min=2.2km az=175.0. PRIMO.
ISC XI 10 05 41 12.9–.34 42.11N–.01 7.03W–.02 17–2 348 0-7
ISCJB XI 10 05 41 11.4–.36 42.05N–.02 6.93W–.02 12–2 ¶11456265
CSEM XI 10 05 41 12.5–.12 42.12N 7.05W 12 3.1L
INMG XI 10 05 41 13.9–1.3 42.19N 7.09W 20–2 2.7L,2.6
LDG XI 10 05 41 13.7–.13 42.16N 7.12W 10–0 2.9L,2.6
MDD XI 10 05 41 13.9–.26 42.16N 7.14W 18–3 2.4,2.6
NEIC XI 10 05 41 14.1 42.17N 7.11W 16 2.5,2.6
IGIL XI 10 05 41 14.4 42.17N 7.11W 16 4.0L,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=40.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=131.0.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=99.0.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=118.0.
MDD Error ellipse: s-maj=3.0km s-min=2.6km az=60.0. PRIMO.
NEIC Event type se. After MDD.
ISC XI 21 15 31 40.5–.55 42.14N–.02 8.41W–.05 18–2 127 0-5
ISCJB XI 21 15 31 40.6–.62 42.15N–.03 8.43W–.05 27–4 ¶13400804
CSEM XI 21 15 31 40.3–.15 42.16N 8.40W 15 3.1L
INMG XI 21 15 31 41.8–1.2 42.17N 8.40W 12–2 2.3L
NEIC XI 21 15 31 41.4 42.16N 8.42W 16 2.5
MDD XI 21 15 31 41.5–.48 42.16N 8.41W 17–4 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=9.8.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=91.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=1.4km az=81.0.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=6.3km s-min=3.0km az=66.0. PRIMO.
ISC XI 23 08 36 52.1–.62 42.16N–.02 8.45W–.05 16–3 83 0-4
ISCJB XI 23 08 36 50.7–.66 42.12N–.02 8.54W–.06 13–3 ¶14555982
CSEM XI 23 08 36 52.1–.16 42.16N 8.43W 15 2.5L
INMG XI 23 08 36 53.3–1.1 42.16N 8.43W 9–3 1.8L
MDD XI 23 08 36 53.1–.58 42.15N 8.43W 15–6 1.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.7km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=85.0.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=1.8km az=77.0.
MDD Error ellipse: s-maj=7.7km s-min=3.4km az=62.0. PRIMO.
ISC XI 23 14 40 14.6–.27 37.09N–.01 5.44W–.01 12–2 366 0-7
ISCJB XI 23 14 40 13.3–.27 37.16N–.02 5.44W–.01 6–2 ¶11478345
CSEM XI 23 14 40 14.4–.09 37.07N 5.44W 10 3.9L
MDD XI 23 14 40 16.0–.25 37.05N 5.43W 11–0 3.2
LDG XI 23 14 40 15.7–.20 36.96N 5.46W 20–0 3.3L
NEIC XI 23 14 40 16.1 37.05N 5.43W 11 3.3,3.3L
IGIL XI 23 14 40 16.4 37.05N 5.43W 11 3.4L,3.3L
INMG XI 23 14 40 16.0–1.4 37.02N 5.41W 16–3 3.4L,3.3L
SFS XI 23 14 40 16.0 37.00N 5.40W 0 3.3L,3.3L
CNRM XI 23 14 40 16.2 36.85N 6.54W 30 3.5,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=22.2.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=22.0.
MDD Error ellipse: s-maj=2.9km s-min=2.0km az=174.0. PRIMO.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=3.0km az=5.0.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=17.0.
SFS Event type ke.
CNRM Event type ke.
ISC XI 25 12 27 15.7–.26 37.14N–.02 5.38W–.01 10–2 311 0-12
ISCJB XI 25 12 27 14.5–.27 37.18N–.02 5.39W–.01 7–2 ¶11478371
CSEM XI 25 12 27 15.7–.08 37.09N 5.37W 10 3.7L
LDG XI 25 12 27 16.3–.15 37.05N 5.43W 2–0 3.4L
NEIC XI 25 12 27 17.3 37.08N 5.40W 10 3.1
INMG XI 25 12 27 17.4–1.2 37.01N 5.36W 20–2 3.3L
MDD XI 25 12 27 17.1–.24 37.06N 5.38W 11–0 3.1

IGIL XI 25 12 27 17.5 37.08N 5.40W 10 3.3L
SFS XI 25 12 27 17.0 37.05N 5.38W 11 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=9.5.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=1.0.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=2.0.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=4.0.
MDD Error ellipse: s-maj=2.7km s-min=2.0km az=173.0. PRIMO.
SFS Event type ke.
ISC XI 28 18 58 00.4–.41 37.43N–.02 2.44W–.02 1–2 194 0-9
ISCJB XI 28 18 57 59.9–.33 37.44N–.03 2.45W–.02 10 **¶11490808**
CSEM XI 28 18 58 00.4–.13 37.42N 2.43W 2 3.6L
MDD XI 28 18 58 01.3–.29 37.35N 2.40W 11–0 2.8
INMG XI 28 18 58 01.3–1.3 37.37N 2.21W 19–5 3.1L
SFS XI 28 18 58 01.0 37.66N 2.40W 0 2.9L
LDG XI 28 18 58 01.4–.19 37.34N 2.43W 2–0 3.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.2km az=159.9.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=148.0.
MDD Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=126.0. EMS:II TIJOLA. PRIMO.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=2.5km az=82.0.
SFS Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=142.0.
ISC XII 16 13 48 20.9–.28 39.60N–.01 2.77W–.02 10–2 332 1-8
ISCJB XII 16 13 48 18.4–.29 39.63N–.01 2.86W–.02 1–2 **¶12077762**
CSEM XII 16 13 48 21.0–.09 39.58N 2.76W 10 3.8L
NEIC XII 16 13 48 21.7–.77 39.55N 2.76W 15–10 3.5L
MDD XII 16 13 48 22.9–.31 39.57N 2.74W 11–0 3.3
LDG XII 16 13 48 22.5–.07 39.57N 2.74W 2–0 3.5L
INMG XII 16 13 48 22.5–1.4 39.58N 2.75W 8–2 3.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=1.7km az=145.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=140.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.3km az=191.0.
MDD Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=111.0. EMS: SENTIDO LEVEMENTE EN LA ZONA EPICENTRAL. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=120.0.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=89.0.

(378) Pyrenees.

ISC VII 01 19 36 49.2–.24 43.20N–.01 0.54W–.02 8–2 305 0-5
ISCJB VII 01 19 36 48.0–.26 43.26N–.01 0.51W–.02 4–2 **¶11008876**
CSEM VII 01 19 36 49.4–.08 43.19N 0.54W 8 2.7L
NEIC VII 01 19 36 49.8 43.07N 0.58W 5 2.6L,2.5L
LDG VII 01 19 36 50.6–.06 43.14N 0.54W 5–0 2.7,2.6L
STR VII 01 19 36 50.0–.20 43.09N 0.56W 5–0 2.5L,2.6L
MDD VII 01 19 36 50.4–.20 43.13N 0.55W 0 2.7b,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=152.2.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=157.0.
NEIC Event type se. After STR.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=156.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
MDD Error ellipse: s-maj=2.6km s-min=1.4km az=6.0. PRIMO.
ISC VII 16 20 33 31.8–.18 43.219N–.01 0.41W–.01 4–1 1083 0-13
ISCJB VII 16 20 33 29.5–.24 43.27N–.01 0.47W–.01 1–2 **¶11163164**
CSEM VII 16 20 33 32.3–.06 43.23N 0.38W 5 4.3L
MDD VII 16 20 33 33.3–.19 43.18N 0.38W 0 3.6
STR VII 16 20 33 33.7–.12 43.11N 0.37W 5–0 4.2L
LDG VII 16 20 33 34.2–.06 43.17N 0.38W 5–0 4.4L,3.8
NEIC VII 16 20 33 34.2 43.17N 0.38W 5 4.4L,4.3L
INMG VII 16 20 33 34.6–1.1 43.10N 0.42W 4–2 3.7,3.3L
PRU VII 16 20 33 58.0 42.84N 1.20E 96 3.7,3.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.7km az=33.5.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=142.0.
MDD Error ellipse: s-maj=2.1km s-min=1.4km az=0.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=133.0.
NEIC Event type fe. Felt at Pau, France. After LDG.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=27.0.
ISC VII 19 17 03 15.3–.25 43.14N–.02 0.38W–.02 10–3 170 0-5
ISCJB VII 19 17 03 14.1–.26 43.18N–.02 0.36W–.02 11–3 **¶11163188**
CSEM VII 19 17 03 15.2–.10 43.14N 0.38W 10 2.6L
STR VII 19 17 03 15.9–.15 43.07N 0.40W 5–0 2.7L
MDD VII 19 17 03 16.3–.25 43.09N 0.40W 0 1.8
LDG VII 19 17 03 16.3–.08 43.13N 0.41W 2–0 2.7L,2.5
NEIC VII 19 17 03 16.3 43.13N 0.41W 2 2.7L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=162.5.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=166.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
MDD Error ellipse: s-maj=2.6km s-min=1.6km az=10.0.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=162.0.
NEIC Event type se. After LDG.
ISC VIII 07 09 03 14.3–2.1 42.95N–.07 1.3W–.10 10 24 0-1
LDG VIII 07 09 03 14.6–.30 42.94N 1.33W 2–0 2.5L,2.2 **¶11169752**
CSEM VIII 07 09 03 14.3–.44 42.94N 1.32W 10 2.5L,2.2
NEIC VIII 07 09 03 14.6 42.94N 1.33W 2 2.5L,2.2L
STR VIII 07 09 03 15.2–.63 42.98N 1.30W 2–0 2.2L,2.2L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=2.2km az=51.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.1km az=47.0.
NEIC Event type se. After LDG.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC IX 18 12 55 48.4–.17 43.146N–.01 0.32W–.01 13–1 763 0-9
CSEM IX 18 12 55 48.5–.07 43.16N 0.31W 5 3.9L **¶11302776**
NEIC IX 18 12 55 48.8 42.99N 0.34W 5 4.0L,3.9L
STR IX 18 12 55 48.9–.26 43.00N 0.35W 5–0 4.0L,3.9L
MDD IX 18 12 55 49.9–.18 43.08N 0.34W 11–0 3.3,3.9L
ISCJB IX 18 12 55 49.0–.26 43.14N–.02 0.42W–.02 24–2 3.3,3.9L
LDG IX 18 12 55 49.7–.05 43.08N 0.34W 5–0 3.9L,3.6
MRB IX 18 12 55 51.5 42.95N 0.32W 0–3 3.6L,3.6
INMG IX 18 12 55 51.4–1.6 42.96N 0.44W 3–5 3.2L,3.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=151.0.
NEIC Event type se. After STR.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
MDD Error ellipse: s-maj=2.0km s-min=1.3km az=1.0. PRIMO.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.9km az=176.3.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=159.0.
MRB Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=28.0.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=2.9km az=35.0.
MDD IX 22 01 55 14.6–.66 43.05N 1.91W 0 1.1
CSEM IX 22 01 55 14.6 43.05N 1.91W 0 0.5L **¶13860557**
MDD Error ellipse: s-maj=5.9km s-min=4.4km az=11.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
MDD IX 22 03 33 50.6–.30 42.79N 1.34W 0 1.0
CSEM IX 22 03 33 50.5 42.78N 1.32W 0 1.1L **¶13860560**
MDD Error ellipse: s-maj=3.5km s-min=1.3km az=177.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
MDD IX 22 03 34 30.1–.58 42.79N 1.32W 0 1.0
CSEM IX 22 03 34 29.4 42.75N 1.29W 0 0.5L **¶13860562**
MDD Error ellipse: s-maj=5.0km s-min=2.3km az=153.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
MDD IX 23 02 31 17.9–.25 42.85N 1.42W 0 1.1
LDG IX 23 02 31 17.7–.15 42.84N 1.41W 2–0 1.6L,1.5 **¶11302855**
CSEM IX 23 02 31 17.7–.13 42.84N 1.39W 2 1.3L,1.5
MDD Error ellipse: s-maj=2.7km s-min=2.0km az=17.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=171.0.
MDD IX 24 11 16 36.5–.26 42.84N 1.45W 0 1.1
CSEM IX 24 11 16 36.1 42.86N 1.47W 4 1.1L **¶13860603**
MDD Error ellipse: s-maj=4.3km s-min=1.9km az=116.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
MDD X 03 21 19 21.8–.22 43.11N 0.62W 6–3 2.0
CSEM X 03 21 19 20.7–.10 43.15N 0.60W 10 2.4L **¶11339690**
LDG X 03 21 19 21.5–.06 43.13N 0.62W 2–0 2.4L,2.3
MDD Error ellipse: s-maj=2.8km s-min=1.5km az=12.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=174.0.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=172.0.
MDD X 09 22 17 43.5–.65 43.11N 0.54W 0 0.3
LDG X 09 22 17 43.1–.14 43.12N 0.53W 2–0 1.3 **¶11348992**
MDD Error ellipse: s-maj=6.2km s-min=3.4km az=1.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.2km az=2.0.
LDG X 11 21 01 57.6–.11 42.83N 1.15W 2–0 1.9L,1.9
CSEM X 11 21 01 56.9–.09 42.81N 1.13W 10 1.6L,1.9 **¶11349068**
MDD X 11 21 01 57.9–.20 42.84N 1.16W 0 1.5,1.9
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=2.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=176.0.
MDD Error ellipse: s-maj=2.1km s-min=1.5km az=142.0. PRXIMO.
MDD XI 12 09 48 02.2–.25 43.15N 0.62W 10–0 2.4
CSEM XI 12 09 48 00.9–.11 43.22N 0.60W 8 2.6L **¶11474874**
NEIC XI 12 09 48 01.7 43.18N 0.62W 2 2.7L,2.5L
LDG XI 12 09 48 01.7–.07 43.18N 0.62W 2–0 2.5L,2.4
STR XI 12 09 48 02.2–.16 43.13N 0.60W 5–0 2.5L,2.4
MDD Error ellipse: s-maj=2.9km s-min=1.5km az=7.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=174.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=175.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
MDD XI 19 01 16 01.2–.32 42.81N 1.35W 0 0.5
CSEM XI 19 01 16 01.2 42.81N 1.36W 0 0.5L **¶11478331**
MDD Error ellipse: s-maj=3.0km s-min=2.0km az=161.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.
MDD XI 19 01 16 17.5–.38 43.14N 1.16W 14–4 1.0
CSEM XI 19 01 16 16.0–.07 43.18N 1.14W 20 1.2L **¶11478330**
LDG XI 19 01 16 16.7–.07 43.15N 1.14W 15–0 1.5,1.4L
MDD Error ellipse: s-maj=3.2km s-min=2.4km az=56.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=160.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=152.0.
CSEM XI 19 01 16 29.5–.11 43.06N 0.03W 18–1 0.8L
LDG XI 19 01 16 30.3–.04 43.05N 0.04W 10–0 1.5,1.2L **¶15108655**
STR XI 19 01 16 30.6–.02 43.05N 0.08W 2–0 1.4L,1.2L
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=1.7km az=177.0.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=176.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC XII 02 11 48 41.1–.22 43.34N–.01 1.00W–.02 19–1 331 0-7
ISCJB XII 02 11 48 40.2–.26 43.38N–.02 1.06W–.02 27–2 **¶11490864**
STR XII 02 11 48 41.7–.31 43.36N 0.96W 5–0 3.4L
NEIC XII 02 11 48 41.7 43.36N 0.96W 5 3.1L
CSEM XII 02 11 48 41.0–.08 43.33N 1.00W 15 3.2L
INMG XII 02 11 48 42.9–1.3 43.27N 1.04W 14–3 3.2L
MDD XII 02 11 48 42.1–.24 43.31N 1.00W 10–0 2.9
LDG XII 02 11 48 42.2–.06 43.30N 1.01W 10–0 3.2L,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=146.8.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type se. After STR.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=134.0.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=170.0.
MDD Error ellipse: s-maj=2.5km s-min=1.9km az=149.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=129.0.
MDD XII 11 21 07 57.9–.12 42.87N 1.11W 3–2 2.8
CSEM XII 11 21 07 57.3–.10 42.92N 1.08W 15 3.3L **¶12077002**
STR XII 11 21 07 57.2–.52 42.87N 1.11W 5–0 3.3L
NEIC XII 11 21 07 58.3 42.91N 1.11W 2 3.3L
INMG XII 11 21 07 58.5–1.3 42.85N 1.14W 4–2 2.8L
LDG XII 11 21 07 58.3–.07 42.91N 1.11W 2–0 3.3L
MDD Error ellipse: s-maj=1.6km s-min=1.2km az=169.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=158.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type se. After LDG.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=46.0.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=163.0.
MDD XII 26 00 38 45.3–.30 43.02N 0.20W 0 1.0
CSEM XII 26 00 38 44.9–.16 42.95N 0.21W 2 1.1L **¶11593918**
STR XII 26 00 38 44.5–.11 43.04N 0.17W 5–0 2.2L
LDG XII 26 00 38 45.2–.20 43.03N 0.22W 2–0 1.7,1.4L
MDD Error ellipse: s-maj=3.9km s-min=1.8km az=11.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.6km az=9.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=2.1km az=15.0.

(380) Corsica.

ISC VII 10 08 18 30.2–.97 42.72N–.05 8.77E–.08 10 62 1-7
CSEM VII 10 08 18 25.8–.62 42.68N 9.04E 2 2.5L **¶11163104**
STR VII 10 08 18 25.5–.10 42.59N 8.81E 5–0 2.4L
NEIC VII 10 08 18 27.8 42.55N 9.34E 30 2.5L,2.4L
LDG VII 10 08 18 27.2–.19 42.62N 9.16E 2–0 2.5L,2.4L
ISCJB VII 10 08 18 29.8–.98 42.70N–.05 8.66E–.08 10 2.5L,2.4L
ISC Event type ke.
CSEM Event type ke.
STR Event type ke.
NEIC Event type se. After LDG.
LDG Event type ke.
ISCJB Event type ke.
ISC X 07 14 20 06.0–.30 42.06N–.02 9.79E–.02 10 345 1-8
ISCJB X 07 14 20 04.7–.29 42.04N–.02 9.76E–.02 10 **¶11339722**
NEIC X 07 14 20 05.0–.27 41.88N 9.77E 10 3.6L,3.4L
ROM X 07 14 20 07.0–.09 41.93N 9.80E 39–0 3.1L,3.4L
CSEM X 07 14 20 07.6–.13 41.93N 9.77E 40 3.7L,3.4L
LDG X 07 14 20 08.0–.21 41.88N 9.67E 15–0 3.6L,3.4
GEN X 07 14 20 09.1 42.04N 9.83E 35 3.7L,3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=17.6.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.2km az=199.0.
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=1.9km az=22.0.
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=19.0.
ISC X 08 23 27 34.3–.51 43.56N–.02 8.13E–.03 10 86 0-3
ISCJB X 08 23 27 34.1–.50 43.57N–.02 8.09E–.03 10 **¶11348986**
LDG X 08 23 27 35.9–.13 43.64N 8.11E 20–1 2.5,2.2L
CSEM X 08 23 27 36.0–.32 43.64N 8.06E 20 2.6L,2.2L
ROM X 08 23 27 36.8–.26 43.67N 8.09E 10–0 2.0,2.0L
GEN X 08 23 27 37.0 43.65N 8.08E 10 1.8L,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.3km az=44.5.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=42.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.6km az=155.0.
ROM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=7.0.
ISC XII 21 07 39 23.8–.42 41.43N–.02 9.74E–.04 10 84 1-5
ISCJB XII 21 07 39 22.6–.43 41.43N–.02 9.72E–.04 10 **¶11538990**
CSEM XII 21 07 39 23.5–.31 41.40N 9.85E 2 2.6
ROM XII 21 07 39 25.4–.27 41.34N 9.69E 36–0 2.6,2.2L
NEIC XII 21 07 39 28.4 41.38N 9.51E 10 2.6L,2.2L
LDG XII 21 07 39 28.4–.16 41.38N 9.51E 10–0 2.6L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=175.8.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=5.7km az=110.0.
ROM Event type ke. Error ellipse: s-maj=7.9km s-min=2.5km az=127.0.

NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=49.0.

(381) Central Italy.

ISC	**VII**	**09 09 47 21.0–.24**	**42.52N–.02**	**13.24E–.02**	**9–2**		**170**	**0-6**
ISCJB	VII	09 09 47 20.2–.24	42.52N–.02	13.25E–.02	14–2			¶12951155
VIE	VII	09 09 47 20.9–.24	42.55N	13.38E	10–0	3.2L,2.9b		
CSEM	VII	09 09 47 20.5–.12	42.52N	13.22E	8	3.9L,2.9b		
ROM	VII	09 09 47 20.6–.11	42.51N	13.27E	11–1	3.1L,2.9b		
NEIC	VII	09 09 47 20.6	42.51N	13.27E	11	3.1L,2.9b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=139.7.
VIE Error ellipse: s-maj=6.0km s-min=1.8km az=81.0. 104 km NE of Rome .
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=50.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=37.0.
NEIC Event type se. After ROM.

ISC	**VII**	**29 03 11 21.4–.26**	**42.47N–.02**	**13.32E–.02**	**6–2**		**170**	**0-8**
ISCJB	VII	29 03 11 20.6–.24	42.47N–.02	13.31E–.02	12–2			¶11163292
CSEM	VII	29 03 11 21.0–.09	42.48N	13.32E	5	3.5L		
VIE	VII	29 03 11 21.8–.23	42.49N	13.37E	10–0	3.0L,2.9b		
ROM	VII	29 03 11 21.4–.06	42.47N	13.35E	11–0	3.2,2.9L		
NEIC	VII	29 03 11 21.0	42.48N	13.36E	10	3.2L,2.7L		
LDG	VII	29 03 11 23.1–.14	42.41N	13.34E	10–0	2.7L,2.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=41.9.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=54.0.
VIE Error ellipse: s-maj=4.4km s-min=1.8km az=80.0. 99 km NE of Rome .
ROM Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=49.0.
NEIC Event type se. After ROM.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=2.8km az=55.0.

ISC	**VIII**	**01 10 45 59.9–.81**	**42.99N–.05**	**13.27E–.05**	**64–7**		**52**	**0-3**
ISCJB	VIII	01 10 45 59.9–.90	43.00N–.05	13.25E–.05	64–7			¶13657281
CSEM	VIII	01 10 45 59.2–.44	42.98N	13.19E	69–5	2.3L		
ROM	VIII	01 10 46 00.8–.17	42.98N	13.21E	55–2	2.3,2.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=6.1km az=156.1.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=5.2km az=162.0.
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=166.0.

ROM	**IX**	**10 16 46 41.4–.15**	**42.66N**	**13.28E**	**10–0**	**2.3,2.3L**		
CSEM	IX	10 16 46 40.6–.21	42.67N	13.29E	27–3	2.3,2.3L		¶13897633

ROM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.7km az=56.0.

ROM	**IX**	**15 13 07 49.7–.23**	**42.74N**	**12.75E**	**7–1**	**2.5L**		
CSEM	IX	15 13 07 49.7	42.74N	12.75E	7	2.5L		¶13897724

ROM Event type ke. Error ellipse: s-maj=2.7km s-min=1.3km az=56.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC	**IX**	**21 22 25 54.3–.32**	**43.20N–.02**	**10.79E–.03**	**19–3**		**124**	**0-8**
ISCJB	IX	21 22 25 54.3–.33	43.18N–.02	10.72E–.03	26–5			¶11302834
CSEM	IX	21 22 25 54.3–.10	43.21N	10.83E	20	2.8L		
ROM	IX	21 22 25 54.9–.13	43.20N	10.83E	12–1	2.9,2.4L		
NEIC	IX	21 22 25 54.9	43.20N	10.80E	8	2.6L,2.4L		
LDG	IX	21 22 25 55.7–.08	43.18N	10.78E	10–0	2.6L,2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=38.1.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=11.0.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=2.0.
NEIC Event type se. After ROM.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=12.0.

ISC	**IX**	**30 17 21 40.5–.61**	**43.47N–.03**	**13.79E–.06**	**7–9**		**59**	**0-3**
ISCJB	IX	30 17 21 39.2–.65	43.48N–.03	13.84E–.05	2–10			¶13829353
ROM	IX	30 17 21 39.6–.45	43.49N	13.76E	2–3	2.6,2.3L		
CSEM	IX	30 17 21 40.3–.21	43.48N	13.76E	10	2.9L,2.3L		
VIE	IX	30 17 21 43.1–.64	43.63N	13.56E	11–2	2.9L,2.3b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=23.3.
ROM Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.4km az=128.0.
VIE Error ellipse: s-maj=3.9km s-min=3.0km az=144.0. 93 km ESE of San Marino .

ISC	**IX**	**30 19 31 15.3–.42**	**43.01N–.02**	**13.13E–.04**	**7–5**		**60**	**0-2**
ISCJB	IX	30 19 31 14.8–.43	43.00N–.02	13.12E–.04	9–5			¶13897999
ROM	IX	30 19 31 14.1–.07	43.01N	13.11E	7–0	2.4,2.0L		
CSEM	IX	30 19 31 14.8–.12	43.00N	13.12E	8	2.5L,2.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.1km az=162.7.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=73.0.

ISC	**X**	**01 22 47 37.4–.20**	**42.59N–.01**	**13.27E–.02**	**17–1**		**225**	**0-7**
ISCJB	X	01 22 47 37.3–.20	42.60N–.01	13.30E–.02	22–2			¶11330071
CSEM	X	01 22 47 37.2–.08	42.58N	13.25E	15	3.7L		
ROM	X	01 22 47 37.2–.07	42.59N	13.29E	15–1	3.1L		
NEIC	X	01 22 47 37.2	42.59N	13.29E	15	3.1L		
VIE	X	01 22 47 41.5–.51	42.89N	13.22E	10–0	3.2L,2.8b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=148.6.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=57.0.
ROM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=54.0.
NEIC Event type se. After ROM.
VIE Error ellipse: s-maj=4.4km s-min=4.0km az=88.0. 126 km NNE of Rome .

ISC	**X**	**11 18 55 42.0–.24**	**42.72N–.01**	**12.51E–.02**	**13–2**		**286**	**0-8**
ISCJB	X	11 18 55 41.9–.23	42.72N–.02	12.49E–.02	21–3			¶11349064
CSEM	X	11 18 55 41.6–.10	42.72N	12.53E	10	3.2L		
NEIC	X	11 18 55 41.3	42.74N	12.56E	5	2.7L,2.6L		
ROM	X	11 18 55 41.3–.09	42.74N	12.56E	5–1	2.7L,2.6L		
LDG	X	11 18 55 43.3–.14	42.71N	12.62E	10–0	2.6L,2.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=140.3.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=45.0.
NEIC Event type se. After ROM.
ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=68.0.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=43.0.

ISC	**X**	**12 20 26 33.3–.41**	**43.21N–.02**	**13.32E–.04**	**22–6**		**74**	**0-2**
CSEM	X	12 20 26 32.4–.14	43.19N	13.30E	26–2	2.6L		¶13898242
ISCJB	X	12 20 26 33.2–.45	43.21N–.02	13.31E–.04	26–5	2.6L		
ROM	X	12 20 26 33.2–.16	43.20N	13.31E	10–1	2.6,2.1L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=74.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=173.2.
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=90.0.

ROM	**X**	**12 22 39 31.2–.07**	**42.74N**	**12.55E**	**9–0**	**2.1,1.5L**		
CSEM	X	12 22 39 31.2	42.74N	12.55E	9	2.1,1.5L		¶13898248

ROM Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC	**X**	**13 18 16 27.2–.45**	**43.19N–.03**	**10.74E–.05**	**25–6**		**67**	**0-4**
NEIC	X	13 18 16 27.3	43.20N	10.77E	18	2.5L,1.7L		¶11349190
CSEM	X	13 18 16 27.0–.10	43.20N	10.74E	20	2.4L,1.7L		
ISCJB	X	13 18 16 27.1–.44	43.19N–.03	10.75E–.05	28–5	2.4L,1.7L		
GEN	X	13 18 16 27.4	43.19N	10.78E	18	1.7L,1.7L		
ROM	X	13 18 16 27.3–.19	43.20N	10.77E	18–6	2.2,1.7L		
LDG	X	13 18 16 28.0–.82	43.12N	10.71E	10–0	2.5L,2.5		

ISC Event type ke.
NEIC Event type se. After ROM.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.8km az=178.5.
ROM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=48.0.
LDG Event type ke. Error ellipse: s-maj=16.9km s-min=11.1km az=89.0.

ROM	**X**	**31 12 42 55.1–.10**	**42.77N**	**12.74E**	**10–0**	**1.6,1.2L**		
								¶13898592

ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=103.0.

ISC	**XII**	**02 03 15 01.3–.28**	**43.62N–.02**	**13.31E–.02**	**14–2**		**305**	**0-9**
CSEM	XII	02 03 15 00.4–.11	43.59N	13.35E	10	3.7L		¶11490855
NEIC	XII	02 03 15 00.0	43.64N	13.36E	10	3.2L		
ROM	XII	02 03 15 00.8–.09	43.61N	13.32E	8–1	3.1L,3.0		
SZGRF	XII	02 03 15 01.6	43.64N	13.58E	10	3.7b,3.0		
ISCJB	XII	02 03 15 01.1–.26	43.65N–.02	13.27E–.02	21–2	3.7b,3.0		
PRU	XII	02 03 15 01.4	43.66N	13.10E	15	3.7b,3.0		
LDG	XII	02 03 15 01.2–.17	43.67N	13.49E	10–0	3.2L,3.0		
BGR	XII	02 03 15 01.6–.88	43.64N	13.58E	10	3.6L,3.0		
GEN	XII	02 03 15 03.9	43.75N	13.19E	9	3.2L,3.0		

ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=100.0.
NEIC Event type fe. Felt [IV] at Chiaravalle. Also felt at Montemarciano and Senigallia. After ROM.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=49.0.
SZGRF Central Italy.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.5km az=38.3.
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=68.0.
BGR Event type ke. Error ellipse: s-maj=12.2km s-min=10.0km az=46.0.

ROM	**XII**	**03 23 27 06.8–.12**	**43.06N**	**13.11E**	**18–1**	**1.6,1.0L**		
								¶13899948

ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=176.0.

ISC	**XII**	**04 03 36 48.8–.70**	**43.63N–.04**	**13.39E–.04**	**19–8**		**34**	**0-1**
CSEM	XII	04 03 36 48.8–.27	43.60N	13.37E	15	2.7L		¶13899950
ROM	XII	04 03 36 48.4–.29	43.67N	13.33E	2–0	2.0,1.7L		
ISCJB	XII	04 03 36 49.4–.59	43.59N–.05	13.39E–.04	21–11	2.0,1.7L		

ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.

ISC	**XII**	**04 03 45 36.0–.40**	**43.63N–.03**	**13.38E–.03**	**11–5**		**64**	**0-3**
ISCJB	XII	04 03 45 34.8–.42	43.65N–.02	13.40E–.03	9–5			¶13812614
CSEM	XII	04 03 45 35.7–.20	43.61N	13.37E	10	2.9L		
ROM	XII	04 03 45 35.1–.24	43.65N	13.33E	4–2	2.5,2.3L		
VIE	XII	04 03 45 39.1–.65	43.81N	13.26E	10–0	2.5L,2.3b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.9km az=6.9.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.5km az=144.0.
ROM Event type ke. Error ellipse: s-maj=3.1km s-min=1.7km az=31.0.
VIE Error ellipse: s-maj=7.0km s-min=4.9km az=115.0. 65 km E of San Marino .

ISC	**XII**	**24 02 38 21.4–.47**	**43.65N–.03**	**13.47E–.04**	**33–3**		**75**	**0-5**
CSEM	XII	24 02 38 19.7–.28	43.64N	13.48E	30	3.4L		¶13900227
ISCJB	XII	24 02 38 21.1–.50	43.64N–.03	13.50E–.04	32–3	3.4L		
ROM	XII	24 02 38 21.4–.24	43.63N	13.40E	35–1	2.6,2.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.6km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=10.5.
ROM Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=50.0.

(382) Adriatic Sea.

ISC	**VII**	**05 17 42 25.5–.48**	**42.04N–.03**	**15.60E–.03**	**24–4**		**104**	**0-5**
CSEM	VII	05 17 42 23.7–.29	42.07N	15.64E	10	3.2L		¶13656694
ISCJB	VII	05 17 42 24.9–.46	42.07N–.03	15.62E–.04	25–4	3.2L		
ROM	VII	05 17 42 25.1–.17	42.02N	15.63E	28–1	3.0L		
VIE	VII	05 17 42 27.0–.88	42.28N	15.48E	10–0	3.2L,2.8b		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.3km az=33.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.9km az=38.6.
ROM Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=21.0.
VIE Error ellipse: s-maj=9.1km s-min=3.3km az=134.0. 159 km SSW of Split .

ISC	**VII**	**08 21 35 38.4–.51**	**43.18N–.01**	**15.35E–.03**	**0–4**		**318**	**1-10**
ISCJB	VII	08 21 35 37.9–.45	43.23N–.01	15.42E–.02	6–3			¶11108401
NEIC	VII	08 21 35 38.0	43.22N	15.52E	10	3.0L		
ROM	VII	08 21 35 38.0–.34	43.22N	15.52E	10–0	3.0L		
CSEM	VII	08 21 35 40.2–.12	43.14N	15.24E	10	3.1s,3.0L		
SZGRF	VII	08 21 35 41.0	43.09N	15.37E	10	3.4b,3.0L		
VIE	VII	08 21 35 41.4–.38	43.21N	15.15E	10–2	3.1L,3.1s		
BEO	VII	08 21 35 42.0–1.1	43.27N	15.38E	3–5	3.0L,3.1s		
LDG	VII	08 21 35 42.0–.16	43.24N	15.13E	10–0	3.4L,3.1s		
PRU	VII	08 21 36 02.2	45.54N	17.13E	0	3.4L,3.1s		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=8.0.
NEIC Event type se. After ROM.
ROM Event type ke. Error ellipse: s-maj=5.7km s-min=2.0km az=48.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=86.0.
SZGRF Adriatic Sea.
VIE Error ellipse: s-maj=3.3km s-min=1.7km az=111.0. 112 km WSW of Split .
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=71.0.

ISC	**VII**	**27 00 45 54.0–.65**	**42.96N–.03**	**16.05E–.06**	**10**		**27**	**1-2**
ROM	VII	27 00 45 51.0–.41	43.02N	16.42E	10–0	2.9		¶13657165
ISCJB	VII	27 00 45 52.6–.64	42.96N–.03	16.03E–.06	10	2.9		
CSEM	VII	27 00 45 53.7–.49	42.89N	16.00E	10	2.9		

ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=6.7km s-min=2.7km az=89.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=177.7.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=9.0km az=132.0.

ISC	**VIII**	**18 07 28 38.9–.60**	**42.18N–.03**	**16.05E–.04**	**12–5**		**67**	**0-2**
ISCJB	VIII	18 07 28 38.0–.60	42.18N–.03	16.07E–.04	6–6			¶13657600
CSEM	VIII	18 07 28 38.5–.45	42.19N	16.06E	2	2.7		
ROM	VIII	18 07 28 40.6–.48	42.11N	15.93E	6–3	2.7,2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=159.6.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.8km az=31.0.
ROM Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=56.0.

ISC	**VIII**	**22 14 21 24.3–.39**	**41.62N–.02**	**17.20E–.02**	**6–3**		**182**	**1-5**
ISCJB	VIII	22 14 21 23.3–.40	41.62N–.02	17.22E–.02	1–3			¶11255470
PDG	VIII	22 14 21 23.7–1.2	41.60N	17.31E	0–11	3.1,3.0L		
ROM	VIII	22 14 21 23.6–.28	41.60N	17.33E	10–0	3.3L,3.0L		
NEIC	VIII	22 14 21 23.0	41.60N	17.29E	10	3.0L,3.0L		
CSEM	VIII	22 14 21 23.4–.12	41.60N	17.26E	2	4.3L,3.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.1km az=137.0.
PDG Event type ke. Error ellipse: s-maj=2.4km s-min=2.3km az=90.0.
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=66.0.
NEIC Event type se. After ROM.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=138.0.

ISC	**VIII**	**25 19 40 48.1–.60**	**43.14N–.04**	**15.30E–.07**	**10**		**26**	**1-2**
ROM	VIII	25 19 40 44.4–.71	43.32N	15.55E	10–0	2.8,2.4L		¶13657758
CSEM	VIII	25 19 40 46.6–.24	43.14N	15.35E	2	2.8,2.4L		
ISCJB	VIII	25 19 40 47.9–.60	43.15N–.04	15.31E–.07	10	2.8,2.4L		

ISC Event type ke.
ROM Event type ke.
CSEM Event type ke.
ISCJB Event type ke.

ISC	**VIII**	**28 09 29 52.2–2.1**	**43.22N–.03**	**16.0E–.10**	**2–16**		**35**	**1-5**
ROM	VIII	28 09 29 50.4–.66	43.30N	16.02E	7–0	2.6,2.5L		¶13657816
ISCJB	VIII	28 09 29 52.2–1.7	43.25N–.03	16.1E–.10	9–13	2.6,2.5L		
CSEM	VIII	28 09 29 52.9–.17	43.21N	16.09E	10	2.6,2.5L		
VIE	VIII	28 09 29 54.9–.61	43.37N	16.20E	10–0	2.3L,2.3b		

ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=28.7km s-min=5.9km az=92.0.
ISCJB Event type ke. Error ellipse: s-maj=15.1km s-min=4.5km az=169.9.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=72.0.
VIE Error ellipse: s-maj=12.4km s-min=4.6km az=71.0. 27 km SW of Split .

ISC	**VIII**	**31 05 22 35.8–.28**	**41.63N–.02**	**17.31E–.03**	**9–3**		**166**	**1-4**
ISCJB	VIII	31 05 22 34.9–.30	41.64N–.02	17.29E–.02	4–3			¶11255514
ROM	VIII	31 05 22 35.6–.29	41.63N	17.34E	11–0	3.0,3.0L		
CSEM	VIII	31 05 22 35.6–.10	41.63N	17.25E	2	3.9L,3.0L		
PDG	VIII	31 05 22 36.5–2.6	41.73N	17.29E	0–11	2.9L,3.0L		
NEIC	VIII	31 05 22 36.5	41.73N	17.29E	0	2.9L,3.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.0km az=135.3.
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=139.0.
PDG Event type ke. Error ellipse: s-maj=5.4km s-min=5.2km az=90.0.

NEIC Event type se. After PDG.
ISC IX 09 08 29 57.4–.67 42.95N–.05 17.25E–.05 10 60 0-4
ISCJB IX 09 08 29 56.1–.67 42.98N–.05 17.25E–.05 10 **¶11322289**
CSEM IX 09 08 29 56.4–.29 42.95N 17.22E 2 2.4L
VIE IX 09 08 30 00.1–.77 43.15N 17.15E 10–0 2.7b,2.6L
PDG IX 09 08 30 00.7–.14 42.86N 17.48E 13–0 2.4L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=2.9km az=33.4.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=3.1km az=30.0.
VIE Error ellipse: s-maj=23.6km s-min=5.7km az=69.0. 69 km SE of Split .
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
ISC X 05 07 58 58.9–1.1 43.00N–.06 17.34E–.07 10 62 0-4
CSEM X 05 07 58 57.6–.64 43.02N 17.27E 2 2.5L **¶11389248**
ISCJB X 05 07 58 59.9–1.2 42.98N–.05 17.46E–.07 10 2.5L
NEIC X 05 07 59 03.9 42.98N 17.65E 3 2.5L
PDG X 05 07 59 03.9–.29 42.98N 17.65E 3–1 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.2km s-min=7.2km az=41.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.7km az=136.9.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.8km az=0.0.
ISC X 06 03 56 53.8–.30 42.70N–.02 17.95E–.02 10 161 0-7
VIE X 06 03 56 49.4–.39 42.40N 18.27E 10–0 3.4s,2.7b **¶11389263**
TIR X 06 03 56 51.9 42.46N 17.62E 45 2.7L,2.7b
ISCJB X 06 03 56 52.8–.30 42.70N–.02 17.96E–.02 10 2.7L,2.7b
NEIC X 06 03 56 52.4 42.73N 17.96E 8 2.7L,2.7b
PDG X 06 03 56 52.4–.17 42.73N 17.96E 8–1 2.7L,2.6
CSEM X 06 03 56 53.3–.17 42.72N 17.97E 2 3.4s,2.6
BEO X 06 03 56 53.2–.60 42.71N 17.86E 5–3 2.7L,2.6
ISC Event type ke.
VIE Error ellipse: s-maj=4.2km s-min=3.1km az=74.0. 73 km WNW of Shkoder .
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=19.4.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=1.1km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=22.0.
ISC X 07 06 52 22.0–.81 42.08N–.04 15.47E–.04 0–6 71 0-3
ROM X 07 06 52 21.1–.41 42.06N 15.50E 1–0 2.7,2.3L **¶13898105**
ISCJB X 07 06 52 22.5–.42 42.03N–.03 15.45E–.03 10 2.7,2.3L
CSEM X 07 06 52 22.0–.21 42.06N 15.46E 2 3.3L,2.3L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=6.3km s-min=1.6km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=27.4.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.7km az=24.0.
ISC XI 05 10 29 05.4–.51 42.08N–.03 15.35E–.03 10–4 117 0-6
ROM XI 05 10 29 03.8–.22 42.08N 15.40E 1–0 3.2L **¶13832224**
ISCJB XI 05 10 29 04.4–.56 42.10N–.03 15.36E–.03 5–4 3.2L
CSEM XI 05 10 29 04.6–.17 42.08N 15.35E 2 3.4s,3.3L
VIE XI 05 10 29 10.4–.81 42.36N 15.05E 10–0 3.4s,3.3L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=34.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=34.7.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=45.0.
VIE Error ellipse: s-maj=7.6km s-min=6.1km az=91.0. 173 km SW of Split .
ISC XI 20 15 39 38.0–.35 43.29N–.02 15.40E–.02 7–3 313 1-9
ISCJB XI 20 15 39 36.8–.37 43.33N–.02 15.37E–.02 4–3 **¶11473120**
ROM XI 20 15 39 38.4–.35 43.26N 15.42E 10–0 3.1L
CSEM XI 20 15 39 39.7–.37 43.11N 15.16E 20 3.5L
LDG XI 20 15 39 41.7–.14 43.23N 15.10E 10–0 3.5L
PDG XI 20 15 39 41.2–.77 43.19N 15.13E 11–2 3.4L
PRU XI 20 15 39 42.0 43.15N 15.24E 10 3.4L
VIE XI 20 15 39 42.5–.38 43.23N 15.02E 10–0 3.3L,3.2b
NEIC XI 20 15 39 43.3–2.0 43.26N 14.70E 10 3.5L,3.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=18.3.
ROM Event type ke. Error ellipse: s-maj=5.7km s-min=2.9km az=42.0.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=4.4km az=71.0.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.1km az=78.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.3km az=0.0.
VIE Error ellipse: s-maj=5.5km s-min=1.5km az=111.0. 121 km WSW of Split .
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=9.5km az=106.0.
ISC XI 28 08 52 00.4–1.0 43.90N–.07 15.79E–.08 3–6 45 1-5
BEO XI 28 08 51 59.0–1.5 44.37N 15.72E 7–8 2.8L **¶11751286**
ISCJB XI 28 08 52 00.6–.79 43.90N–.07 15.87E–.08 10 2.8L
CSEM XI 28 08 52 00.2–.42 43.92N 15.79E 2 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=3.0km az=38.6.
CSEM Event type ke. Error ellipse: s-maj=16.4km s-min=4.1km az=36.0.
ISC XI 30 05 05 26.3–.56 42.13N–.04 16.14E–.05 19–6 32 0-3
ROM XI 30 05 05 25.3–.62 42.12N 16.26E 6–0 2.8L,2.5 **¶13899884**
ISCJB XI 30 05 05 26.0–1.1 42.18N–.05 16.18E–.07 15–14 2.8L,2.5
CSEM XI 30 05 05 26.0–.37 42.14N 16.15E 15 2.5,2.5
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=7.1km s-min=5.0km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=7.6km az=34.2.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=6.8km az=131.0.
ISC XII 17 07 14 25.4–1.3 42.83N–.08 16.93E–.07 10 31 1-3
ISCJB XII 17 07 14 24.3–1.3 42.81N–.08 16.94E–.07 10 **¶11751717**
CSEM XII 17 07 14 24.5–.76 42.87N 16.92E 2 2.6L
BEO XII 17 07 14 26.8–.81 43.02N 17.01E 0–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=4.8km az=24.2.
CSEM Event type ke. Error ellipse: s-maj=19.9km s-min=7.1km az=27.0.
ISC XII 23 19 07 03.4–.15 44.55N–.01 13.73E–.02 10 470 1-11
ISCJB XII 23 19 07 02.1–.16 44.57N–.01 13.71E–.02 10 **¶11518371**
CSEM XII 23 19 07 03.0–.10 44.54N 13.70E 10 4.5L
NEIC XII 23 19 07 03.3–.68 44.51N 13.65E 10 3.6L,3.5L
ROM XII 23 19 07 04.3–.15 44.54N 13.88E 31–0 3.2L,3.5L
PDG XII 23 19 07 04.7–.54 44.56N 13.73E 30–2 3.8L,3.5L
LDG XII 23 19 07 04.8–.07 44.55N 13.82E 30–0 3.5L,3.5L
PRU XII 23 19 07 07.9 44.99N 13.71E 0 3.5L,3.5L
VIE XII 23 19 07 07.1–.47 44.82N 13.77E 8–0 3.6L,2.8b
STR XII 23 19 07 11.8–.94 44.75N 12.76E 5–0 3.6L,2.8b
GEN XII 23 19 07 11.9 44.56N 13.03E 95 3.3L,2.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=34.9.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=153.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.8km az=131.0.
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=1.3km az=98.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=18.0.
VIE Error ellipse: s-maj=4.8km s-min=3.3km az=21.0. 77 km SW of Rijeka .
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC XII 29 08 14 02.6–2.3 42.74N–.04 16.3E–.30 10 16 1-2
ISCJB XII 29 08 14 02.2–2.1 42.73N–.04 16.3E–.30 10 **¶13900410**
ROM XII 29 08 14 02.3–.29 42.83N 16.03E 10–0 3.1L,2.6
CSEM XII 29 08 14 02.1–.72 42.76N 16.26E 2 2.6,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.0km s-min=5.2km az=0.7.
ROM Event type ke. Error ellipse: s-maj=9.5km s-min=2.7km az=98.0.
CSEM Event type ke. Error ellipse: s-maj=30.2km s-min=4.5km az=90.0.

(383) Northwestern Balkan Peninsula.

ISC VII 02 15 54 21.3–.29 46.46N–.01 16.28E–.02 11–2 179 0-5
PRU VII 02 15 54 20.9 46.46N 16.22E 2 **¶11341945**
ISCJB VII 02 15 54 20.1–.29 46.48N–.01 16.30E–.02 10–2
NEIC VII 02 15 54 21.6–.46 46.46N 16.21E 10 2.5L
CSEM VII 02 15 54 21.1–.12 46.48N 16.26E 8 3.4L
BEO VII 02 15 54 21.3–.75 46.56N 16.55E 1–0 2.8L
LJU VII 02 15 54 21.3 46.48N 16.19E 10 2.5L
VIE VII 02 15 54 22.1–1.0 46.47N 16.20E 6–5 3.1L,2.5b
IPEC VII 02 15 54 23.3–.21 46.54N 16.20E 21–1 2.6L,2.5b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.3km az=35.5.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=4.0km az=142.0. Felt at Ormoz.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=136.0.
VIE Error ellipse: s-maj=6.7km s-min=4.3km az=89.0. 21 km NNW of Varazdin .
IPEC Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=154.0.
ISC VII 03 06 07 53.4–.60 41.88N–.02 22.92E–.06 6–7 38 1-2
SKO VII 03 06 07 52.6 41.95N 22.90E 15 1.9L,1.6 **¶11746851**
ISCJB VII 03 06 07 53.2–.42 41.90N–.02 22.86E–.04 10 1.9L,1.6
CSEM VII 03 06 07 53.2–.11 41.89N 22.96E 2 2.7L,1.6
THE VII 03 06 07 53.4 41.87N 22.97E 3–2 2.7L,1.6
BEO VII 03 06 07 54.3–.49 41.89N 22.92E 2–5 1.8L,1.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=177.2.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=1.7km az=83.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=285.0.
ISC VII 03 10 49 15.6–.58 41.80N–.03 22.83E–.06 11–9 30 1-1
ISCJB VII 03 10 49 15.1–.57 41.82N–.03 22.83E–.05 10 **¶11746854**
THE VII 03 10 49 15.5 41.79N 22.84E 1–4 3.1L
SKO VII 03 10 49 15.3 41.76N 22.85E 15 1.7L,1.3
CSEM VII 03 10 49 15.3–.19 41.79N 22.85E 10 1.6L,1.3
BEO VII 03 10 49 16.4–.56 41.78N 22.84E 0–2 1.6L,1.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=179.2.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=0.9km az=291.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=89.0.
ISC VII 04 11 27 59.8–.44 41.67N–.02 22.59E–.04 6–5 55 0-3
ISCJB VII 04 11 27 59.4–.37 41.69N–.02 22.56E–.03 10 **¶11746870**
CSEM VII 04 11 27 59.1–.13 41.68N 22.61E 2 3.1L
THE VII 04 11 28 00.2 41.64N 22.62E 4–1 3.1L
BEO VII 04 11 28 00.0–.37 41.65N 22.57E 8–5 2.1L
SKO VII 04 11 28 00.4 41.58N 22.60E 15 2.2L,2.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=146.3.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=66.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=271.0.
ISC VII 04 19 03 22.8–.62 41.79N–.03 22.83E–.06 5–9 29 1-3
THE VII 04 19 03 21.9 41.82N 22.72E 17–14 3.2L **¶11746878**
ISCJB VII 04 19 03 22.1–.55 41.80N–.03 22.84E–.05 10 3.2L
CSEM VII 04 19 03 22.1–.21 41.80N 22.89E 2 3.2L
BEO VII 04 19 03 23.3–.35 41.79N 22.83E 0–0 1.9L
SKO VII 04 19 03 23.3 41.78N 22.85E 0 2.0L,1.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=30.2km s-min=0.8km az=276.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=176.7.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.6km az=85.0.
ISC VII 06 09 30 51.7–.78 45.03N–.04 14.65E–.08 10 11 0-1
¶15025554
ISC VII 07 02 18 21.0–.50 43.10N–.02 17.89E–.03 3–5 90 0-4
NEIC VII 07 02 18 21.2 43.04N 17.94E 11 2.5L **¶11163092**
PDG VII 07 02 18 21.2–.14 43.04N 17.94E 11–0 2.5L,2.4
CSEM VII 07 02 18 21.3–.26 43.07N 17.95E 2 2.5L,2.4
ISCJB VII 07 02 18 21.1–.42 43.09N–.02 17.94E–.03 10 2.5L,2.4
VIE VII 07 02 18 22.8–.87 43.19N 18.26E 10–0 2.3b,1.8L
BEO VII 07 02 18 22.1–.48 43.11N 17.90E 4–3 2.8L,1.8L
ISC Event type ke.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=43.5.
VIE Error ellipse: s-maj=17.9km s-min=6.4km az=53.0. 73 km S of Sarajevo .
ISC VII 09 06 34 45.0–.50 43.55N–.03 17.78E–.03 3–4 86 1-5
ISCJB VII 09 06 34 44.6–.56 43.55N–.03 17.83E–.04 1–5 **¶11163094**
PDG VII 09 06 34 45.2–.20 43.47N 17.76E 2–0 2.8L
BEO VII 09 06 34 46.5–.30 43.61N 17.95E 0–0 2.8L
CSEM VII 09 06 34 46.7–.19 43.61N 17.98E 2 2.8L
NEIC VII 09 06 34 47.7–1.1 43.37N 17.93E 10 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=140.3.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.1km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.1km az=43.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.6km az=45.0.
ISC VII 18 21 57 14.8–.82 44.42N–.03 15.15E–.06 3–5 55 0-4
CSEM VII 18 21 57 14.6–.25 44.42N 15.10E 2 3.1 **¶13657032**
ROM VII 18 21 57 15.2–.28 44.46N 15.33E 10–0 3.1,2.3L
ISCJB VII 18 21 57 16.2–.63 44.52N–.03 15.29E–.06 10 3.1,2.3L
VIE VII 18 21 57 18.4–.39 44.63N 15.18E 10–1 2.1L,2.1b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=114.0.
ROM Event type ke. Error ellipse: s-maj=5.0km s-min=1.9km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.8km az=158.5.
VIE Error ellipse: s-maj=2.2km s-min=1.9km az=134.0. 100 km SSW of Karlovac .
ISC VII 19 06 54 47.5–.52 43.81N–.02 18.58E–.03 1–4 88 1-4
ISCJB VII 19 06 54 47.4–.34 43.79N–.02 18.58E–.03 10 **¶11163185**
PDG VII 19 06 54 47.4–.15 43.79N 18.58E 11–0 2.8,2.7L
NEIC VII 19 06 54 47.4 43.79N 18.58E 11 2.7L,2.7L
CSEM VII 19 06 54 47.1–.19 43.79N 18.58E 2 2.7L,2.7L
BEO VII 19 06 54 48.1–.33 43.80N 18.58E 4–2 2.7L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=180.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.6km az=0.0.
NEIC Event type se. After PDG.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=82.0.
ISC VII 22 02 33 16.1–.48 41.87N–.02 22.92E–.05 7–5 48 1-2
ISCJB VII 22 02 33 15.2–.53 41.88N–.02 22.93E–.05 2–6 **¶11747115**
SKO VII 22 02 33 15.2 41.88N 22.93E 19 1.7L,1.3
CSEM VII 22 02 33 15.7–.12 41.88N 22.95E 5 2.5L,1.3
THE VII 22 02 33 15.9 41.86N 22.96E 3–1 2.5L,1.3
BEO VII 22 02 33 17.1–.38 41.88N 22.91E 1–6 1.5L,1.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=176.4.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=84.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=268.0.
ISC VII 22 02 42 08.5–.34 45.48N–.02 16.51E–.02 6–2 152 1-6
BEO VII 22 02 42 07.9–.53 45.52N 16.47E 3–3 2.5L **¶11342267**
ISCJB VII 22 02 42 07.2–.34 45.49N–.02 16.55E–.02 3–2 2.5L
CSEM VII 22 02 42 08.6–.14 45.45N 16.48E 8 2.5L
VIE VII 22 02 42 09.1–.39 45.54N 16.55E 9–1 2.7L,2.4b
PRU VII 22 02 42 09.7 45.45N 16.52E 11 2.7L,2.4b
IPEC VII 22 02 42 14.0–.55 45.77N 16.51E 17–3 2.7L,2.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=27.7.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.1km az=26.0.
VIE Error ellipse: s-maj=2.4km s-min=1.8km az=0.0. 52 km SE of Zagreb .
IPEC Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=36.0.
VIE VII 22 19 45 55.2–.36 46.78N 14.41E 9–13 1.3L,0.9b
LJU VII 22 19 45 54.9 46.79N 14.40E 0 1.2L,0.9b **¶12921992**
CSEM VII 22 19 45 55.1–.15 46.80N 14.41E 10 1.7L,0.9b
VIE Error ellipse: s-maj=3.6km s-min=0.9km az=177.0. 2 km WSW of Sankt Georgen am Lngsee .
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.7km az=159.0.
ISC VII 30 00 08 46.0–.45 43.34N–.03 17.52E–.04 10 81 0-6
TIR VII 30 00 08 41.6–.84 43.51N 17.57E 0–999 4.2L **¶11158508**
NEIC VII 30 00 08 43.6 43.30N 17.46E 0 2.6L
VIE VII 30 00 08 43.4–.66 43.27N 17.70E 10–0 2.5b,2.4L
PDG VII 30 00 08 43.6–.19 43.30N 17.46E 0–11 2.6L,2.4L
ISCJB VII 30 00 08 44.9–.44 43.33N–.03 17.52E–.04 10 2.6L,2.4L
CSEM VII 30 00 08 44.8–.35 43.35N 17.42E 2 2.6L,2.4L
BEO VII 30 00 08 45.1–.65 43.45N 17.43E 0–0 2.3L,2.4L
ISC Event type ke.
TIR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

NEIC Event type se. After PDG.
VIE Error ellipse: s-maj=11.2km s-min=4.9km az=55.0. 85 km SW of Sarajevo .
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.2km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.4km az=136.8.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=5.0km az=44.0.

ISC	**VII**	**31 05 44 39.6–.27**	**45.93N–.01**	**16.01E–.02**	**10–2**		**229**	**0-6**
ISCJB	VII	31 05 44 38.4–.30	45.92N–.02	16.03E–.02	8–2			¶11342384
LJU	VII	31 05 44 38.9	45.92N	15.98E	19	2.9L		
CSEM	VII	31 05 44 39.5–.12	45.92N	15.98E	8	3.6L		
PRU	VII	31 05 44 40.4	45.99N	16.03E	10	3.6L		
VIE	VII	31 05 44 40.4–.36	45.94N	15.88E	9–1	3.1L,2.7b		
NEIC	VII	31 05 44 41.1–.60	45.96N	15.84E	11–5	2.9L,2.7L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.3km az=16.6.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=13.0.
VIE Error ellipse: s-maj=2.3km s-min=1.2km az=129.0. 19 km NNW of Zagreb .
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=4.8km az=153.0. Felt at Velika Gorica.

ISC	**VIII**	**08 03 17 56.3–.68**	**43.31N–.02**	**17.27E–.03**	**6–4**		**82**	**1-4**
BEO	VIII	08 03 17 52.3–1.2	43.47N	16.58E	31–4	3.2L		¶11255431
CSEM	VIII	08 03 17 55.8–.25	43.33N	17.28E	2	2.7L		
ISCJB	VIII	08 03 17 56.0–.33	43.31N–.02	17.28E–.03	10	2.7L		
NEIC	VIII	08 03 17 56.2	43.38N	17.41E	5	2.7L		
PDG	VIII	08 03 17 56.2–.50	43.38N	17.41E	5–1	2.7L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=34.1.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.5km az=0.0.

ISC	**VIII**	**15 06 21 44.1–.39**	**45.48N–.02**	**15.67E–.03**	**10–3**		**84**	**0-4**
CSEM	VIII	15 06 21 43.6–.18	45.46N	15.67E	2	3.2L		¶11308608
LJU	VIII	15 06 21 43.3	45.47N	15.70E	7	2.4L		
ISCJB	VIII	15 06 21 43.2–.40	45.47N–.02	15.69E–.03	7–4	2.4L		
BEO	VIII	15 06 21 45.0–.40	45.48N	15.70E	0–0	2.6L		
PRU	VIII	15 06 21 47.2	45.97N	16.26E	0	2.6L		
VIE	VIII	15 06 21 49.4–.36	45.77N	15.25E	9–2	2.3L,1.9b		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=31.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=16.8.
VIE Error ellipse: s-maj=2.9km s-min=1.7km az=161.0. 28 km SW of Krsko .

ISC	**VIII**	**16 10 19 44.4–.82**	**43.36N–.04**	**17.36E–.04**	**6–7**		**82**	**1-4**
ISCJB	VIII	16 10 19 44.0–.40	43.35N–.03	17.38E–.04	10			¶11255453
BEO	VIII	16 10 19 44.5–.56	43.45N	17.36E	4–2	2.7L		
CSEM	VIII	16 10 19 44.3–.22	43.42N	17.43E	2	2.7L		
PDG	VIII	16 10 19 47.1–.36	43.28N	17.51E	8–1	2.7L		
NEIC	VIII	16 10 19 47.1	43.28N	17.51E	8	2.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=2.3km az=37.1.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.1km az=45.0.
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=2.5km az=0.0.
NEIC Event type se. After PDG.

ISC	**VIII**	**16 18 27 43.8–.53**	**44.12N–.03**	**17.81E–.04**	**15–5**		**50**	**1-4**
VIE	VIII	16 18 27 40.3–5.6	43.97N	18.13E	10–0	2.9b,2.1L		¶11747421
ISCJB	VIII	16 18 27 42.8–.49	44.13N–.02	17.85E–.04	13–5	2.9b,2.1L		
CSEM	VIII	16 18 27 43.0–.22	44.14N	17.78E	10	2.5L,2.1L		
BEO	VIII	16 18 27 44.2–.38	44.14N	17.77E	22–5	2.5L,2.1L		

ISC Event type ke.
VIE Error ellipse: s-maj=64.5km s-min=8.0km az=167.0. 28 km NW of Sarajevo .
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.8km az=141.5.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.6km az=71.0.

ISC	**VIII**	**23 18 35 21.5–.40**	**45.37N–.02**	**14.51E–.02**	**8–2**		**209**	**0-6**
LJU	VIII	23 18 35 20.7	45.37N	14.49E	15	2.6L		¶11308715
ISCJB	VIII	23 18 35 20.8–.38	45.38N–.02	14.50E–.02	4–3	2.6L		
CSEM	VIII	23 18 35 21.1–.18	45.38N	14.49E	5	3.5L		
NEIC	VIII	23 18 35 21.3–1.4	45.40N	14.47E	10	2.7L		
PRU	VIII	23 18 35 22.1	45.43N	14.71E	1	2.7L		
VIE	VIII	23 18 35 22.1–.43	45.43N	14.52E	10–1	3.1L,2.5b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.1km az=19.3.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=1.9km az=16.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=4.3km az=190.0.
VIE Error ellipse: s-maj=2.8km s-min=1.4km az=177.0. 13 km NE of Rijeka .

ISC	**VIII**	**24 14 25 17.6–.51**	**45.06N–.02**	**15.10E–.05**	**10**		**50**	**0-3**
LJU	VIII	24 14 25 16.4	45.03N	15.07E	8	1.9L		¶12922392
ISCJB	VIII	24 14 25 17.0–.49	45.07N–.02	15.08E–.05	10	1.9L		
CSEM	VIII	24 14 25 17.4–.16	45.07N	14.99E	2	2.5L		
VIE	VIII	24 14 25 19.2–.41	45.18N	14.96E	10–0	1.9L,1.8b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=160.8.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=86.0.
VIE Error ellipse: s-maj=2.5km s-min=1.5km az=166.0. 47 km ESE of Rijeka .

ISC	**VIII**	**26 18 48 07.5–2.1**	**45.15N–.04**	**15.8E–.20**	**10**		**20**	**1-2**
CSEM	VIII	26 18 48 06.9–.90	45.12N	15.83E	10	2.5L		¶13827954
VIE	VIII	26 18 48 09.8–.65	45.27N	15.79E	8–0	1.9L,1.7b		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=18.3km s-min=6.2km az=97.0.
VIE Error ellipse: s-maj=3.8km s-min=2.7km az=129.0. 30 km SE of Karlovac .

ISC	**VIII**	**27 08 23 32.3–.46**	**43.84N–.01**	**17.40E–.02**	**5–3**		**261**	**1-10**
ISCJB	VIII	27 08 23 30.1–.47	43.86N–.01	17.37E–.02	0–3			¶11232330
BEO	VIII	27 08 23 32.8–.61	43.82N	17.40E	12–3	3.5L		
NEIC	VIII	27 08 23 32.0–.37	43.73N	17.34E	10	3.6L		
PRU	VIII	27 08 23 32.5	43.84N	17.23E	0	3.6L		
PDG	VIII	27 08 23 32.4–.46	43.86N	17.53E	8–1	3.6L,3.5		
CSEM	VIII	27 08 23 33.2–.13	43.86N	17.45E	10	3.2s,3.5		
LDG	VIII	27 08 23 34.6–.09	43.90N	17.51E	30–0	3.5L,3.5		
VIE	VIII	27 08 23 35.0–.31	44.02N	17.48E	10–0	3.2L,3.2b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=142.6.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=32.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.5km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.1km az=48.0.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=31.0.
VIE Error ellipse: s-maj=2.8km s-min=2.4km az=23.0. 78 km WNW of Sarajevo .

ISC	**VIII**	**28 17 00 02.0–.85**	**43.93N–.03**	**17.54E–.06**	**4–5**		**67**	**1-6**
ISCJB	VIII	28 17 00 01.9–.37	43.97N–.03	17.61E–.05	10			¶11255507
CSEM	VIII	28 17 00 02.7–.27	44.02N	17.65E	2	2.7L		
NEIC	VIII	28 17 00 05.5	43.61N	17.56E	0	2.7L		
PDG	VIII	28 17 00 05.5–.27	43.61N	17.56E	0–11	2.7L		
VIE	VIII	28 17 00 06.2–.36	44.13N	17.48E	10–0	2.6b,2.5L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.3km az=138.2.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=3.9km az=48.0.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=2.0km az=0.0.
VIE Error ellipse: s-maj=4.0km s-min=3.1km az=65.0. 81 km WNW of Sarajevo .

ISC	**VIII**	**31 01 44 05.7–.51**	**43.76N–.03**	**16.30E–.05**	**10**		**57**	**1-5**
ROM	VIII	31 01 44 03.8–.52	43.73N	16.30E	3–6	2.9,2.6L		¶13657877
ISCJB	VIII	31 01 44 04.8–.51	43.78N–.03	16.29E–.05	10	2.9,2.6L		
CSEM	VIII	31 01 44 04.7–.16	43.76N	16.27E	2	2.9,2.6L		
VIE	VIII	31 01 44 05.6–1.2	43.78N	16.38E	10–0	2.4b,2.3L		

ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=8.2km s-min=3.1km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=168.1.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=91.0.
VIE Error ellipse: s-maj=18.2km s-min=8.6km az=74.0. 30 km NNW of Split .

ISC	**VIII**	**31 14 21 00.8–.80**	**42.42N–.04**	**18.32E–.05**	**12–5**		**49**	**0-4**
ISCJB	VIII	31 14 21 00.7–.71	42.44N–.03	18.36E–.04	12–5			¶11255515
NEIC	VIII	31 14 21 02.0	42.46N	18.43E	8	2.5L		
PDG	VIII	31 14 21 02.0–.15	42.46N	18.43E	8–0	2.5L,2.4		
CSEM	VIII	31 14 21 02.6–.29	42.49N	18.49E	2	2.5L,2.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.3km az=37.4.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.8km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.9km az=49.0.

TIR	**IX**	**01 15 57 52.2–4.0**	**41.01N**	**21.25E**	**0–45**	**3.2L**		
SKO	IX	01 15 57 47.4	40.68N	20.75E	8	3.2L		¶11346184

TIR Error ellipse: s-maj=22.3km s-min=26.2km az=-1.0.

ISC	**IX**	**02 21 44 50.5–.41**	**41.09N–.03**	**22.74E–.03**	**12–4**		**79**	**0-2**
SKO	IX	02 21 44 49.2	41.07N	22.74E	22	2.5L,2.3		¶12951829
CSEM	IX	02 21 44 49.9–.24	41.08N	22.74E	12	2.0L,2.3		
ISCJB	IX	02 21 44 50.1–.40	41.07N–.02	22.73E–.03	6–5	2.0L,2.3		
THE	IX	02 21 44 50.8	41.07N	22.76E	5–1	2.0L,2.3		
NEIC	IX	02 21 44 50.2	41.07N	22.79E	30	2.8,2.3		
ATH	IX	02 21 44 50.2	41.07N	22.79E	30–3	2.8,2.3		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=7.5.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=304.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0.

ISC	**IX**	**08 15 54 00.4–.40**	**42.66N–.02**	**18.77E–.03**	**11–3**		**70**	**0-4**
ISCJB	IX	08 15 53 59.8–.40	42.66N–.02	18.78E–.03	11–3			¶11322286
PDG	IX	08 15 53 59.7–.11	42.66N	18.80E	18–0	2.5,2.4L		
CSEM	IX	08 15 54 00.0–.20	42.65N	18.77E	12	2.6L,2.4L		
TIR	IX	08 15 54 00.2	42.81N	18.98E	7	2.6L,2.4L		
BEO	IX	08 15 54 00.0–1.0	42.62N	18.67E	16–4	2.5L,2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=150.5.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.2km az=70.0.

ISC	**IX**	**09 08 50 36.8–.37**	**43.06N–.02**	**17.40E–.03**	**10**		**125**	**0-7**
CSEM	IX	09 08 50 35.5–.21	43.06N	17.38E	2	3.1L		¶11322290
ISCJB	IX	09 08 50 35.9–.36	43.09N–.02	17.41E–.03	10	3.1L		
NEIC	IX	09 08 50 36.0	42.99N	17.45E	8	3.1L		
BEO	IX	09 08 50 36.9–.78	43.11N	17.33E	8–3	3.3L		
PDG	IX	09 08 50 36.0–.32	42.99N	17.45E	8–0	3.1L,3.1		
VIE	IX	09 08 50 39.0–.50	43.30N	17.52E	10–0	3.0L,2.8b		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=36.5.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.8km az=0.0.
VIE Error ellipse: s-maj=9.2km s-min=3.7km az=65.0. 88 km ESE of Split .

ISC	**IX**	**09 09 26 39.7–.55**	**43.02N–.03**	**17.37E–.04**	**10**		**87**	**0-5**
CSEM	IX	09 09 26 38.5–.37	43.01N	17.35E	2	2.7L		¶11322291
ISCJB	IX	09 09 26 38.7–.53	43.05N–.03	17.39E–.04	10	2.7L		
BEO	IX	09 09 26 39.3–1.0	43.07N	17.28E	4–4	2.8L		
NEIC	IX	09 09 26 40.3	43.03N	17.49E	3	2.7L		
PDG	IX	09 09 26 40.3–.12	43.03N	17.49E	3–0	2.7L		
VIE	IX	09 09 26 42.6–1.0	43.36N	17.75E	10–0	2.6b,2.5L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=3.9km az=39.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=2.4km az=39.2.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
VIE Error ellipse: s-maj=27.6km s-min=7.4km az=62.0. 76 km SW of Sarajevo .

ISC	**IX**	**11 16 39 05.2–.25**	**41.29N–.02**	**22.37E–.02**	**10**		**161**	**0-3**
ATH	IX	11 16 39 02.6	41.43N	22.33E	16–6	3.2		¶11346196
BEO	IX	11 16 39 02.7–.86	41.15N	22.33E	2–2	2.6L		
SKO	IX	11 16 39 03.2	41.32N	22.36E	15	2.8L,2.4		
ISCJB	IX	11 16 39 04.7–.23	41.31N–.02	22.37E–.02	10	2.8L,2.4		
CSEM	IX	11 16 39 04.2–.13	41.30N	22.37E	2	2.6L,2.4		
SOF	IX	11 16 39 04.3	41.37N	22.40E	2	2.8,2.4		
THE	IX	11 16 39 04.2	41.30N	22.36E	0–1	2.6L,2.4		
TIR	IX	11 16 39 05.7	41.33N	22.15E	6	3.4L,2.4		
NEIC	IX	11 16 39 05.6	41.26N	22.36E	5	2.8L,2.4		

ISC Event type ke.
ATH Error ellipse: s-maj=8.5km s-min=5.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=161.9.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=38.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=317.0.
NEIC Event type se. After ATH.

ISC	**IX**	**11 20 14 49.1–.21**	**41.32N–.01**	**22.36E–.02**	**10**		**211**	**0-7**
ATH	IX	11 20 14 45.2	41.49N	22.37E	15–4	3.5		¶11346197
BEO	IX	11 20 14 46.9–.69	41.17N	22.29E	0–0	2.8L		
TIR	IX	11 20 14 47.9	41.26N	22.33E	10	3.2L		
SKO	IX	11 20 14 47.5	41.32N	22.35E	15	3.0L,2.6		
THE	IX	11 20 14 48.5	41.29N	22.36E	0–1	2.8L,2.6		
SOF	IX	11 20 14 48.4	41.38N	22.39E	2	3.5,2.6		
CSEM	IX	11 20 14 48.2–.11	41.33N	22.36E	2	2.8L,2.6		
ISCJB	IX	11 20 14 48.2–.21	41.34N–.01	22.36E–.02	10	2.8L,2.6		
NEIC	IX	11 20 14 51.8	41.23N	22.58E	5	2.6L,2.6		

ISC Event type ke.
ATH Error ellipse: s-maj=3.6km s-min=2.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=346.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=152.4.
NEIC Event type se. After ATH.

ISC	**IX**	**13 00 51 46.3–.51**	**45.08N–.03**	**16.75E–.03**	**5–4**		**74**	**0-4**
ISCJB	IX	13 00 51 45.7–.37	45.10N–.03	16.77E–.03	10			¶11747716
BEO	IX	13 00 51 45.5–.63	45.05N	16.66E	4–4	2.5L		
CSEM	IX	13 00 51 46.0–.19	45.08N	16.74E	5	3.2L		
VIE	IX	13 00 51 47.0–.97	45.24N	16.75E	10–0	2.3L,2.1b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=33.8.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=37.0.
VIE Error ellipse: s-maj=11.5km s-min=5.9km az=29.0. 86 km SE of Zagreb .

ISC	**IX**	**13 02 52 11.5–.47**	**44.58N–.02**	**17.18E–.03**	**12–3**		**209**	**0-8**
LDG	IX	13 02 52 09.4–.39	44.52N	17.35E	10–0	3.1L		¶11302724
BEO	IX	13 02 52 09.2–.82	44.51N	17.12E	3–3	3.1L		
ISCJB	IX	13 02 52 11.0–.44	44.62N–.02	17.24E–.03	15–2	3.1L		
NEIC	IX	13 02 52 11.0	44.60N	17.24E	17	2.9L		
PDG	IX	13 02 52 11.0–.44	44.60N	17.24E	17–2	2.9L		
PRU	IX	13 02 52 11.8	44.67N	17.46E	0	2.9L		
CSEM	IX	13 02 52 11.1–.11	44.58N	17.19E	10	3.1L		
VIE	IX	13 02 52 13.4–1.1	44.54N	16.53E	10–0	2.7L,2.6b		
ROM	IX	13 02 52 16.9–1.4	44.20N	16.71E	10–0	2.5L,2.6b		

ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=10.6km s-min=3.1km az=148.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=153.3.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=2.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=67.0.
VIE Error ellipse: s-maj=12.0km s-min=7.1km az=62.0. 114 km N of Split .
ROM Event type ke. Error ellipse: s-maj=23.6km s-min=9.2km az=57.0.

ISC	**IX**	**16 21 30 38.3–.77**	**45.14N–.03**	**14.86E–.08**	**10**		**9**	**0-1**
								¶15250465
ISC	**IX**	**19 03 30 30.9–.59**	**42.45N–.03**	**18.41E–.04**	**11–2**		**95**	**0-5**
TIR	IX	19 03 30 21.8	42.33N	18.28E	14	2.5L		¶11322295
ISCJB	IX	19 03 30 30.5–.55	42.47N–.02	18.43E–.04	12–2	2.5L		
CSEM	IX	19 03 30 30.7–.25	42.45N	18.46E	10	2.2L		
BEO	IX	19 03 30 30.4–.61	42.47N	18.44E	4–3	2.4L		
PDG	IX	19 03 30 31.3–.28	42.45N	18.52E	15–1	2.3,2.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=142.8.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=52.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.2km az=0.0.

ISC	**IX**	**19 11 19 13.7–.29**	**43.60N–.01**	**19.56E–.02**	**4–2**		**247**	**0-10**
THE	IX	19 11 19 11.9	43.76N	19.20E	0–11			¶11282298
ISCJB	IX	19 11 19 12.5–.29	43.60N–.01	19.55E–.02	5–2			
PDG	IX	19 11 19 13.1–.74	43.58N	19.55E	3–2	3.5L,3.5		
NEIC	IX	19 11 19 13.1	43.58N	19.55E	3	3.5L,3.5		

BEO IX 19 11 19 13.4–.27 43.58N 19.51E 6–2 3.7L,3.5
CSEM IX 19 11 19 13.1–.11 43.58N 19.59E 2 3.5L,3.5
SKO IX 19 11 19 15.5 43.62N 19.60E 10 3.3L,2.7
PRU IX 19 11 19 16.0 43.70N 19.53E 2 3.3L,2.7
TIR IX 19 11 19 20.2–9.7 43.00N 19.44E 0–64 4.0L,2.7
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=18.0km s-min=2.2km az=305.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=15.5.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.8km az=0.0.
NEIC Event type se. After PDG.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=95.0.
TIR Error ellipse: s-maj=41.4km s-min=61.6km az=-1.0.
ISC IX 19 20 12 17.5–.30 43.57N–.01 19.54E–.02 6–4 110 0-3
TIR IX 19 20 12 13.8 43.45N 19.56E 7 2.5L **¶11322302**
ISCJB IX 19 20 12 16.6–.27 43.57N–.01 19.56E–.02 10 2.5L
CSEM IX 19 20 12 16.8–.13 43.56N 19.52E 2 2.3L
BEO IX 19 20 12 17.7–.24 43.56N 19.50E 4–2 2.6L
PDG IX 19 20 12 17.7–.10 43.52N 19.55E 9–0 2.3L,2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=28.6.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=113.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.4km az=0.0.
ISC IX 19 23 53 09.4–.30 43.57N–.01 19.58E–.03 6–3 130 0-5
TIR IX 19 23 53 08.7–2.1 43.52N 19.60E 29–49 2.6L **¶11322303**
ISCJB IX 19 23 53 08.4–.30 43.59N–.01 19.59E–.02 5–3 2.6L
CSEM IX 19 23 53 08.8–.11 43.56N 19.59E 5 2.7L
PDG IX 19 23 53 09.6–.33 43.52N 19.56E 11–1 2.7L,2.7
NEIC IX 19 23 53 09.6 43.52N 19.56E 11 2.7L,2.7
BEO IX 19 23 53 09.5–.28 43.57N 19.52E 8–2 2.9L,2.7
ISC Event type ke.
TIR Error ellipse: s-maj=13.4km s-min=9.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=21.9.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=103.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.3km az=0.0.
NEIC Event type se. After PDG.
ISC IX 20 00 05 20.2–.30 43.58N–.01 19.54E–.02 5–2 169 0-7
TIR IX 20 00 05 17.1–1.8 42.97N 19.76E 108–22 3.1L **¶11282310**
PDG IX 20 00 05 19.8–.43 43.54N 19.59E 13–1 3.1L,3.1
CSEM IX 20 00 05 19.6–.11 43.56N 19.55E 2 3.1L,3.1
ISCJB IX 20 00 05 19.1–.29 43.61N–.01 19.55E–.02 6–2 3.1L,3.1
BEO IX 20 00 05 19.9–.30 43.56N 19.48E 6–2 3.2L,3.1
NEIC IX 20 00 05 19.8 43.54N 19.59E 13 3.1L,3.1
PRU IX 20 00 05 20.9 43.54N 19.65E 0 3.1L,3.1
SKO IX 20 00 05 23.2 43.54N 20.14E 4 3.1L,3.1
ISC Event type ke.
TIR Error ellipse: s-maj=111.3km s-min=13.4km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.2km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=18.6.
NEIC Event type se. After PDG.
ISC IX 24 01 34 11.4–.79 44.73N–.03 15.02E–.08 1–6 37 0-3
ISCJB IX 24 01 34 11.4–.54 44.75N–.03 14.95E–.07 10 **¶13829191**
CSEM IX 24 01 34 11.3–.43 44.78N 14.97E 0–3 2.7L
VIE IX 24 01 34 15.0–.42 44.99N 14.93E 9–1 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=3.4km az=167.4.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.6km az=87.0.
VIE Error ellipse: s-maj=2.4km s-min=2.3km az=177.0. 57 km SE of Rijeka .
ISC IX 24 08 20 38.0–.44 41.79N–.02 22.82E–.04 4–8 50 1-2
ISCJB IX 24 08 20 37.3–.41 41.81N–.02 22.81E–.04 10 **¶11747850**
CSEM IX 24 08 20 37.6–.11 41.80N 22.82E 10 2.3L
SKO IX 24 08 20 37.3 41.79N 22.81E 18 2.5L,2.0
THE IX 24 08 20 38.0 41.79N 22.87E 2–2 2.3L,2.0
ATH IX 24 08 20 39.0 41.74N 22.89E 5 3.1,2.0
BEO IX 24 08 20 39.6–1.1 41.83N 22.81E 0–0 2.3L,2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=174.2.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.7km az=88.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=280.0.
ISC IX 26 00 26 54.0–.30 42.19N–.01 19.60E–.02 10–2 207 0-7
TIR IX 26 00 26 52.1–1.0 42.13N 19.58E 25–5 2.9L **¶11322319**
SKO IX 26 00 26 52.5 42.21N 19.57E 0 2.9L
PDG IX 26 00 26 53.5–.32 42.16N 19.56E 16–0 3.0,2.9L
CSEM IX 26 00 26 53.7–.12 42.19N 19.58E 8 3.0s,2.9L
NEIC IX 26 00 26 53.5 42.16N 19.56E 16 2.9L,2.9L
BEO IX 26 00 26 54.9–.42 42.24N 19.65E 10–2 2.8L,2.9L
VIE IX 26 00 26 56.0–.46 42.31N 19.55E 10–0 3.0s,2.7b
THE IX 26 00 26 55.1 42.24N 19.65E 13–4 2.9L,2.7b
ISC Event type ke.
TIR Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=25.0.
NEIC Event type se. After PDG.
VIE Error ellipse: s-maj=5.3km s-min=3.5km az=51.0. 53 km NE of Shkoder .
THE Event type ke. Error ellipse: s-maj=5.9km s-min=1.3km az=252.0.
ISC IX 26 23 30 10.3–.35 42.67N–.02 18.77E–.03 8–3 93 0-7
PRU IX 26 23 30 06.3 42.65N 19.41E 0 **¶11313787**
CSEM IX 26 23 30 09.9–.16 42.67N 18.78E 10 2.6L
ISCJB IX 26 23 30 09.6–.34 42.68N–.02 18.77E–.03 11–2 2.6L
BEO IX 26 23 30 09.5–.57 42.63N 18.72E 8–2 2.6L
PDG IX 26 23 30 10.0–.16 42.68N 18.81E 14–0 2.7,2.6L
NEIC IX 26 23 30 10.0 42.68N 18.81E 14 2.6L,2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=3.0km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=27.5.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
NEIC Event type se. After PDG.
ISC IX 29 01 53 59.5–.64 43.70N–.02 17.73E–.04 3–4 99 1-6
PDG IX 29 01 53 58.2–.45 43.57N 17.60E 2–1 2.7L **¶11322348**
NEIC IX 29 01 53 58.2 43.57N 17.60E 2 2.7L
ISCJB IX 29 01 53 59.4–.37 43.74N–.03 17.76E–.03 10 2.7L
CSEM IX 29 01 53 59.5–.19 43.70N 17.77E 2 2.7L
BEO IX 29 01 54 00.7–.72 43.72N 17.74E 12–3 2.5L
VIE IX 29 01 54 04.5–.40 44.05N 17.78E 10–0 2.4L,2.4b
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=2.4km az=0.0.
NEIC Event type se. After PDG.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.3km az=43.9.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=2.9km az=45.0.
VIE Error ellipse: s-maj=4.4km s-min=3.2km az=47.0. 56 km WNW of Sarajevo .
ISC IX 30 05 37 45.3–.52 45.53N–.02 14.44E–.02 16–5 161 0-2
LJU IX 30 05 37 45.5 45.58N 14.43E 14 2.3L **¶12952254**
ISCJB IX 30 05 37 45.1–.36 45.56N–.02 14.42E–.02 10 2.3L
ROM IX 30 05 37 45.1–1.3 45.38N 14.35E 10–0 2.9L,2.7
CSEM IX 30 05 37 45.2–.16 45.54N 14.42E 15 3.1L,2.7
VIE IX 30 05 37 45.6–.33 45.58N 14.41E 10–0 2.7L,2.0b
NEIC IX 30 05 37 45.1 45.38N 14.35E 10 2.9L,2.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=9.9.
ROM Event type ke. Error ellipse: s-maj=32.9km s-min=13.6km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=1.6km az=9.0.
VIE Error ellipse: s-maj=2.2km s-min=1.1km az=179.0. 27 km N of Rijeka .
NEIC Event type se. After ROM.
ISC IX 30 08 22 58.6–.37 42.32N–.02 20.12E–.03 4–4 88 0-2
CSEM IX 30 08 22 57.8–.20 42.31N 20.12E 2 2.8L **¶11322395**
TIR IX 30 08 22 57.3–.75 42.33N 19.97E 9–3 2.8L
ISCJB IX 30 08 22 57.9–.33 42.31N–.02 20.12E–.03 10 2.8L
PDG IX 30 08 22 58.4–.18 42.34N 20.08E 12–2 2.5L,2.5
NEIC IX 30 08 22 58.4 42.34N 20.08E 12 2.5L,2.5
BEO IX 30 08 22 59.2–.40 42.33N 20.14E 2–2 2.1L,2.5
SKO IX 30 08 23 01.9 42.31N 20.26E 0 2.1L,2.5

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.4km az=163.0.
TIR Error ellipse: s-maj=1.4km s-min=4.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=42.7.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=1.0km az=0.0.
NEIC Event type se. After PDG.
BEO IX 30 14 51 49.8–1.0 43.00N 20.08E 3–3 1.8L
CSEM IX 30 14 51 47.6–.29 42.94N 20.00E 2 1.8L **¶11747924**
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=5.0km az=42.0.
ISC X 01 16 31 09.0–.20 43.09N–.01 18.79E–.02 10 208 0-7
TIR X 01 16 31 06.3 43.19N 18.94E 1 3.2L **¶11330064**
ISCJB X 01 16 31 07.8–.20 43.10N–.01 18.76E–.02 10 3.2L
NEIC X 01 16 31 08.1 43.06N 18.77E 2 3.1L
CSEM X 01 16 31 08.2–.13 43.07N 18.79E 2 3.4s,3.1L
PDG X 01 16 31 08.1–.64 43.06N 18.77E 2–2 3.1L,3.1
THE X 01 16 31 10.8 43.19N 18.81E 14–2 2.9L,3.1
BEO X 01 16 31 11.0–.42 43.18N 18.88E 20–3 2.8L,3.1
VIE X 01 16 31 13.4–.45 43.49N 18.78E 10–0 3.4s,2.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=164.8.
NEIC Event type se. After PDG.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=53.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.7km az=0.0.
THE Event type ke. Error ellipse: s-maj=5.3km s-min=0.7km az=277.0.
VIE Error ellipse: s-maj=8.9km s-min=3.5km az=54.0. 48 km SE of Sarajevo .
BEO X 03 00 44 40.3–.47 42.74N 21.82E 5–3 1.8L
CSEM X 03 00 44 40.3 42.74N 21.82E 5 1.8L **¶11747971**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BEO.
ISC X 05 01 05 56.6–.30 45.51N–.02 15.90E–.02 6–2 173 0-6
BEO X 05 01 05 53.7–.75 45.62N 15.71E 0–0 2.9L **¶11330114**
ISCJB X 05 01 05 55.0–.30 45.50N–.02 15.94E–.02 2–2 2.9L
VIE X 05 01 05 56.5–.51 45.47N 15.79E 11–1 3.0L,2.5b
CSEM X 05 01 05 56.5–.14 45.49N 15.88E 10 3.5L,2.5b
SZGRF X 05 01 05 56.1 45.33N 16.02E 10 2.9b,2.5b
ROM X 05 01 05 56.0–.33 45.32N 15.92E 10–0 2.8L,2.5b
LJU X 05 01 05 56.2 45.46N 15.83E 14 2.8L,2.5b
PRU X 05 01 05 59.1 45.73N 15.95E 1 2.8L,2.5b
IPEC X 05 01 05 59.9–.41 45.67N 16.04E 17–2 2.8L,2.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=1.9km az=21.9.
VIE Error ellipse: s-maj=3.0km s-min=1.9km az=136.0. 19 km E of Karlovac .
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=24.0.
SZGRF Northwestern Balkan Peninsula.
ROM Event type ke. Error ellipse: s-maj=18.2km s-min=4.2km az=25.0.
IPEC Event type ke. Error ellipse: s-maj=3.9km s-min=2.0km az=22.0.
ISC X 06 09 19 45.3–.36 45.25N–.02 14.66E–.03 10 167 0-8
VIE X 06 09 19 42.8–.48 45.18N 14.55E 9–2 3.2L,2.5b **¶11339710**
CSEM X 06 09 19 44.9–.16 45.26N 14.64E 2 3.5L,2.5b
ISCJB X 06 09 19 44.1–.37 45.24N–.02 14.63E–.03 10 3.5L,2.5b
ROM X 06 09 19 44.6–.56 45.28N 14.86E 10–0 3.3L,2.8
NEIC X 06 09 19 47.3–1.6 45.28N 14.46E 10 3.3L,2.8
LDG X 06 09 19 48.5–.33 45.44N 14.57E 10–0 3.0L,2.8
ISC Event type ke.
VIE Error ellipse: s-maj=2.9km s-min=1.5km az=168.0. 22 km SSE of Rijeka .
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=5.9.
ROM Event type ke. Error ellipse: s-maj=12.5km s-min=3.8km az=59.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=6.8km az=86.0.
LDG Event type ke. Error ellipse: s-maj=7.7km s-min=3.5km az=134.0.
ISC X 06 14 17 25.2–.54 43.52N–.03 20.83E–.04 7–5 45 0-4
ISCJB X 06 14 17 24.3–.53 43.53N–.03 20.83E–.04 5–6 **¶11748165**
CSEM X 06 14 17 24.7–.28 43.51N 20.82E 2 2.6L
BEO X 06 14 17 25.7–.34 43.50N 20.80E 0–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.2km az=140.9.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.4km az=56.0.
ISC X 10 19 53 08.9–.42 41.52N–.02 22.64E–.04 13–4 57 0-2
CSEM X 10 19 53 08.9–.11 41.52N 22.63E 10 1.6L **¶11748512**
ISCJB X 10 19 53 08.3–.46 41.53N–.02 22.62E–.04 10–5 1.6L
SKO X 10 19 53 09.0 41.54N 22.58E 2 2.0L,1.8
THE X 10 19 53 10.2 41.47N 22.71E 8–1 1.6L,1.8
BEO X 10 19 53 11.6–1.7 41.59N 22.56E 0–0 1.8L,1.8
ATH X 10 19 53 13.3 41.41N 22.95E 21–6 2.9,1.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.6km az=165.2.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=179.0.
ATH Error ellipse: s-maj=1.0km s-min=1.8km az=-1.0.
ISC X 12 01 39 32.9–.46 41.94N–.02 22.93E–.04 4–4 71 1-3
ISCJB X 12 01 39 32.7–.39 41.96N–.02 22.86E–.04 10 **¶11748609**
CSEM X 12 01 39 32.9–.15 41.94N 22.94E 5 1.9L
THE X 12 01 39 33.9 41.91N 22.98E 2–1 2.3L
BEO X 12 01 39 33.2–.60 41.91N 22.94E 13–6 1.9L
ATH X 12 01 39 33.0 41.92N 22.92E 5 3.3
SKO X 12 01 39 34.1 41.94N 22.88E 0 1.7L,1.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=165.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=76.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=290.0.
ATH Error ellipse: s-maj=2.4km s-min=5.0km az=-1.0.
ISC X 15 14 27 34.1–2.4 41.3N–.10 21E–1.0 30–25 7 0-1
SKO X 15 14 27 35.2 41.21N 20.99E 1 **¶13566784**
THE X 15 14 27 35.0 41.22N 21.06E 0–10 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=12.8km s-min=1.0km az=345.0.
ISC X 19 04 18 35.6–.83 45.25N–.03 14.78E–.09 10 8 0-1
¶15670423
ISC X 21 08 12 39.8–.22 45.72N–.01 14.18E–.01 11–1 336 0-9
CSEM X 21 08 12 39.3–.09 45.71N 14.14E 5 3.8L **¶11361789**
ISCJB X 21 08 12 39.3–.25 45.64N–.02 14.13E–.02 16–3 3.8L
LJU X 21 08 12 39.1 45.72N 14.18E 16 3.1L
VIE X 21 08 12 39.7–.22 45.75N 14.19E 12–2 3.6L,2.9b
NEIC X 21 08 12 40.1–1.5 45.68N 14.11E 10 3.4L,2.9b
LDG X 21 08 12 40.8–.17 45.81N 14.19E 10–0 3.4L,2.9b
GEN X 21 08 12 41.0 45.70N 14.14E 13 3.6L,2.9b
PRU X 21 08 12 42.5 45.81N 14.10E 10 3.6L,2.9b
BGR X 21 08 12 43.6–.70 45.82N 14.23E 10 3.0L,2.9b
SZGRF X 21 08 12 43.6 45.82N 14.23E 10 3.0b,2.9b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=1.1.
VIE Error ellipse: s-maj=1.6km s-min=0.9km az=1.0. 31 km SSE of Idrija .
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=7.4km az=108.0.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=146.0.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=145.0.
SZGRF Northwestern Balkan Peninsula.
ISC X 21 10 01 31.4–.55 43.24N–.04 17.41E–.04 10 94 0-4
BEO X 21 10 01 29.5–.89 43.32N 17.28E 1–4 2.7L **¶11389437**
PDG X 21 10 01 29.6–.24 43.28N 17.46E 0–11 2.9L,2.9
NEIC X 21 10 01 29.6 43.28N 17.46E 0 2.9L,2.9
ISCJB X 21 10 01 30.8–.52 43.23N–.03 17.43E–.04 10 2.9L,2.9
CSEM X 21 10 01 30.1–.30 43.31N 17.35E 2 2.9L,2.9
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.1km az=0.0.
NEIC Event type se. After PDG.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.1km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=4.1km az=45.0.
PDG X 21 23 46 21.4–.13 42.62N 20.15E 10–0 1.8,1.7L
TIR X 21 21 06 20.2–.76 42.59N 20.14E 15–6 2.0L,1.7L **¶11389443**
CSEM X 21 23 46 20.8–.26 42.60N 20.20E 2 1.6L,1.7L
BEO X 21 23 46 22.1–.48 42.61N 20.18E 0–0 1.6L,1.7L

PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.2km az=90.0.
TIR Error ellipse: s-maj=1.9km s-min=11.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.7km az=101.0.
SKO X 22 15 01 01.8 41.65N 22.38E 4 1.3L,0.7
BEO X 22 15 01 02.7 41.65N 22.15E 0–0 1.5L,0.7 ¶11749233
ISC X 22 18 21 22.0–.28 45.70N–.02 14.18E–.01 5–4 158 0-4
ISCJB X 22 18 21 21.3–.27 45.71N–.02 14.18E–.01 4–4 ¶13830030
CSEM X 22 18 21 21.6–.18 45.71N 14.18E 2 2.9L
LJU X 22 18 21 21.3 45.72N 14.18E 14 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=10.1.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=32.0.
ISC X 24 05 02 09.6–.69 43.31N–.03 17.51E–.05 10 90 0-3
CSEM X 24 05 02 08.7–.49 43.33N 17.53E 2 2.5L ¶11389463
ISCJB X 24 05 02 09.5–.67 43.30N–.03 17.57E–.05 10 2.5L
BEO X 24 05 02 09.0–.58 43.42N 17.48E 0–0 2.6L
PDG X 24 05 02 10.8–.26 43.26N 17.65E 1–1 2.5L
NEIC X 24 05 02 10.8 43.26N 17.65E 1 2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=6.0km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=152.4.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.5km az=0.0.
NEIC Event type se. After PDG.
ISC X 25 16 29 02.0–.62 44.90N–.04 15.64E–.06 13–13 58 1-3
ISCJB X 25 16 29 00.3–.61 44.88N–.03 15.62E–.06 10–14 ¶13830149
VIE X 25 16 29 01.7–1.2 44.96N 15.59E 10–0 2.1L,1.9b
CSEM X 25 16 29 04.8–.42 45.02N 15.49E 2 2.6L,1.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.2km az=144.4.
VIE Error ellipse: s-maj=8.6km s-min=8.0km az=57.0. 59 km S of Karlovac .
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=5.7km az=57.0.
ISC X 27 13 40 50.0–1.5 45.23N–.06 14.70E–.04 16–19 42 0-2
CSEM X 27 13 40 50.3–.48 45.23N 14.67E 10 2.8L ¶13830202
LJU X 27 13 40 50.3 45.27N 14.70E 18 2.1L
VIE X 27 13 40 50.6–.54 45.27N 14.72E 10–0 2.6L,1.9b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=3.2km az=11.0.
VIE Error ellipse: s-maj=3.5km s-min=2.2km az=175.0. 25 km ESE of Rijeka .
ISC X 30 14 10 34.8–1.1 43.83N–.06 17.98E–.06 2–6 51 1-6
BEO X 30 14 10 32.2–.99 43.62N 17.65E 9–5 2.9L ¶11749720
ISCJB X 30 14 10 34.2–.94 43.86N–.06 17.97E–.06 7–6 2.9L
CSEM X 30 14 10 34.0–.41 43.79N 17.95E 2 3.1L
VIE X 30 14 10 36.1–1.7 43.97N 18.03E 8–0 3.1b,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=4.0km az=35.4.
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=4.1km az=36.0.
VIE Error ellipse: s-maj=23.4km s-min=11.8km az=60.0. 34 km WNW of Sarajevo .
PDG X 31 19 45 41.1–.17 42.45N 19.20E 15–1 1.5L
CSEM X 31 19 45 40.8–.25 42.44N 19.18E 15 1.5L ¶11389548
BEO X 31 19 45 46.2–1.3 42.36N 19.80E 0–0 1.5L
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.5km az=166.0.
ISC XI 02 01 49 59.6–.38 42.08N–.02 20.63E–.02 8–4 87 1-2
SKO XI 02 01 49 57.5 42.12N 20.52E 15 2.3L,1.9 ¶11492980
ISCJB XI 02 01 49 58.5–.41 42.08N–.02 20.63E–.03 0–4 2.3L,1.9
TIR XI 02 01 49 59.2–3.5 42.15N 20.59E 40–24 2.5L,1.9
CSEM XI 02 01 49 59.0–.19 42.07N 20.59E 5 2.5L,1.9
PDG XI 02 01 50 00.4–.19 42.18N 20.56E 5–1 2.5L,1.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=34.2.
TIR Error ellipse: s-maj=8.1km s-min=22.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=38.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.1km az=0.0.
ISC XI 04 10 36 46.0–.57 45.25N–.03 14.89E–.03 10 63 0-1
CSEM XI 04 10 36 44.9–.20 45.25N 14.86E 30 2.6L ¶13659098
ISCJB XI 04 10 36 45.3–.56 45.25N–.03 14.89E–.03 10 2.6L
LJU XI 04 10 36 45.4 45.26N 14.89E 18 1.7L
VIE XI 04 10 36 49.1–.37 45.46N 14.86E 5–0 1.8L,1.6b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=3.2km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.3km az=158.2.
VIE Error ellipse: s-maj=2.4km s-min=1.0km az=167.0. 38 km ENE of Rijeka .
LJU XI 04 17 15 33.1 45.89N 15.48E 5 0.1L
CSEM XI 04 17 15 33.1 45.88N 15.48E 0 0.1L ¶13659103
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
ISC XI 07 10 17 33.1–.30 43.70N–.01 19.78E–.02 1–3 113 0-5
ISCJB XI 07 10 17 32.5–.24 43.70N–.01 19.80E–.02 10 ¶11490402
CSEM XI 07 10 17 32.7–.11 43.70N 19.78E 2 2.9L
BEO XI 07 10 17 33.0–.25 43.69N 19.77E 3–1 2.9L
PDG XI 07 10 17 34.7–.13 43.60N 19.72E 11–0 2.7,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=26.7.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=115.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=90.0.
ISC XI 07 17 43 22.4–.63 43.33N–.03 18.32E–.03 6–4 86 0-3
ISCJB XI 07 17 43 22.0–.59 43.32N–.03 18.35E–.03 4–4 ¶11490403
CSEM XI 07 17 43 21.7–.22 43.33N 18.32E 2 2.4L
PDG XI 07 17 43 23.5–.09 43.27N 18.39E 11–0 2.5,2.4L
BEO XI 07 17 43 23.0–.71 43.38N 18.36E 8–3 2.4L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=166.4.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.0km az=108.0.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
ISC XI 08 12 30 17.5–.52 46.17N–.02 15.96E–.04 5–5 65 0-3
ISCJB XI 08 12 30 16.9–.52 46.18N–.02 15.96E–.04 4–5 ¶13659122
LJU XI 08 12 30 16.5 46.17N 15.95E 23 2.1L
CSEM XI 08 12 30 17.2–.16 46.17N 15.96E 5 2.7L
VIE XI 08 12 30 17.1–.54 46.20N 15.96E 5–0 2.1L,1.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=7.7.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=95.0.
VIE Error ellipse: s-maj=3.8km s-min=1.9km az=93.0. 31 km WSW of Varazdin .
ISC XI 09 22 50 16.9–.39 46.54N–.02 14.76E–.03 4–7 53 0-3
ISCJB XI 09 22 50 16.4–.42 46.54N–.03 14.75E–.03 4–7 ¶11406554
CSEM XI 09 22 50 16.6–.12 46.55N 14.74E 2 2.5L
LJU XI 09 22 50 16.4 46.53N 14.75E 8 1.8L
VIE XI 09 22 50 16.2–.23 46.54N 14.75E 10–2 2.2L,1.1b
PRU XI 09 22 50 17.5 46.55N 14.74E 0 2.2L,1.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=144.6.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=148.0.
VIE Error ellipse: s-maj=2.0km s-min=0.8km az=167.0. 7 km SSW of Bleiburg .
BEO XI 13 13 17 49.0–.69 43.88N 19.97E 7–5 1.1L
¶11750545
ISC XI 14 13 26 05.3–.28 42.55N–.01 18.52E–.01 5–2 4.1b,3.6s 770 0-98
SZGRF XI 14 13 25 55.9 41.55N 18.72E 10 4.1b,3.6s ¶13400159
TIR XI 14 13 26 01.7–3.3 42.71N 18.85E 0–15 4.4L,3.6s
IDC XI 14 13 26 02.5–.71 42.56N 18.38E 0 4.0,4.0
BJI XI 14 13 26 02.5 42.50N 18.60E 13 4.8s,4.8b
ISCJB XI 14 13 26 03.9–.25 42.57N–.01 18.48E–.01 9–1 4.1b,3.6s
MOS XI 14 13 26 03.0–1.1 42.50N 18.44E 12 4.3b,3.6s
PDG XI 14 13 26 04.2–.11 42.57N 18.56E 19–0 4.2,4.1L
CSEM XI 14 13 26 04.6–.09 42.55N 18.51E 2 4.4s,4.3b
NEIC XI 14 13 26 04.7 42.58N 18.56E 11 4.2b,4.2W
LDG XI 14 13 26 05.0–.16 42.57N 18.65E 10–0 4.6L,4.2W
BEO XI 14 13 26 05.0–.42 42.61N 18.54E 3–2 4.2L,4.2W
SKO XI 14 13 26 05.2 42.65N 18.46E 0 4.2L,4.2W
PRU XI 14 13 26 06.8 42.62N 18.68E 0 4.2,4.2W
VIE XI 14 13 26 07.3–.61 42.64N 18.51E 10–0 4.4s,4.0L
THE XI 14 13 26 07.7 42.59N 18.68E 6–4 3.9L,4.0L
ISC Event type fe.

SZGRF Adriatic Sea.
TIR Error ellipse: s-maj=25.0km s-min=24.0km az=-1.0.
IDC Error ellipse: s-maj=11.8km s-min=9.6km az=32.0.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.5km az=36.4.
MOS Error ellipse: s-maj=4.6km s-min=3.0km az=100.5.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=27.0.
NEIC Event type fe. Felt at Dubrovnik, Croatia. After PDG. Moment Tensor Solution.
$M_0 2.20000 \times 10^{15}$
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=18.0.
VIE Error ellipse: s-maj=5.0km s-min=4.0km az=19.0. 78 km NNW of Shkoder .
THE Event type ke. Error ellipse: s-maj=5.6km s-min=1.1km az=259.0.
LJU XI 15 21 32 36.1 45.85N 15.44E 5 0.9L
CSEM XI 15 21 32 36.1 45.85N 15.44E 0 0.9L ¶13659154
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
LJU XI 16 05 20 02.4 45.53N 14.29E 5 0.7L
CSEM XI 16 05 20 02.4 45.53N 14.28E 0 0.7L ¶13659156
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LJU.
ISC XI 20 02 51 04.5–.39 44.79N–.02 17.27E–.03 7–3 140 0-4
ISCJB XI 20 02 51 03.0–.44 44.81N–.02 17.28E–.03 1–3 ¶11750876
CSEM XI 20 02 51 04.0–.13 44.80N 17.33E 2 3.1L
BEO XI 20 02 51 04.0–.32 44.78N 17.24E 7–3 2.7L
VIE XI 20 02 51 08.1–1.4 45.11N 17.38E 10–0 2.3L,2.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.4km az=37.1.
CSEM Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=32.0.
VIE Error ellipse: s-maj=12.4km s-min=6.7km az=2.0. 50 km W of Slavonski Brod .
PDG XI 20 05 05 45.1–.17 43.33N 18.90E 11–0 2.3,2.2L
CSEM XI 20 05 05 42.6–.23 43.42N 18.77E 10 2.2L,2.2L ¶11490455
BEO XI 20 05 05 45.0–.69 43.42N 18.91E 8–3 2.1L,2.2L
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.7km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=128.0.
ISC XI 21 17 21 58.2–.63 45.89N–.03 15.87E–.05 9–5 50 0-2
ISCJB XI 21 17 21 57.6–.63 45.90N–.03 15.88E–.05 8–5 ¶13659176
LJU XI 21 17 21 57.3 45.88N 15.88E 16 2.3L
CSEM XI 21 17 21 58.0–.19 45.89N 15.87E 10 2.9L
VIE XI 21 17 21 59.5–.26 45.93N 15.70E 14–1 2.3L,1.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=162.9.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=64.0.
VIE Error ellipse: s-maj=1.7km s-min=0.9km az=119.0. 17 km ESE of Krsko .
ISC XI 23 08 26 53.5–.30 42.44N–.02 19.23E–.02 12–2 115 0-5
TIR XI 23 08 26 50.9–5.7 42.51N 19.34E 0–961 2.5L ¶11490457
ISCJB XI 23 08 26 52.8–.29 42.43N–.02 19.21E–.02 15–2 2.5L
PDG XI 23 08 26 52.7–.10 42.43N 19.21E 19–0 2.5L,2.5
CSEM XI 23 08 26 53.0–.16 42.44N 19.22E 10 2.5L,2.5
BEO XI 23 08 26 54.0–.31 42.47N 19.41E 4–3 2.3L,2.5
ISC Event type ke.
TIR Error ellipse: s-maj=13.0km s-min=11.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=38.4.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.2km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=59.0.
ISC XI 27 03 51 39.7–.86 43.21N–.04 17.57E–.04 11–8 68 0-7
BEO XI 27 03 51 35.0–.78 43.12N 17.20E 0–0 3.1L ¶11482873
ISCJB XI 27 03 51 38.6–.43 43.23N–.03 17.57E–.03 10 3.1L
CSEM XI 27 03 51 38.6–.20 43.24N 17.58E 2 3.5s
VIE XI 27 03 51 40.7–.62 43.28N 17.45E 10–0 3.5L,3.5s
PRU XI 27 03 51 46.6 43.98N 17.93E 0 3.5L,3.5s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.9km az=29.1.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.4km az=39.0.
VIE Error ellipse: s-maj=6.2km s-min=4.0km az=126.0. 84 km ESE of Split .
ISC XI 27 03 52 26.9–.43 43.22N–.02 17.42E–.02 0–3 3.5b 335 0-44
ISCJB XI 27 03 52 25.4–.40 43.21N–.01 17.37E–.02 2–2 3.4b ¶11482874
LDG XI 27 03 52 27.8–.11 43.14N 17.48E 10–0 3.7L
CSEM XI 27 03 52 27.8–.12 43.24N 17.48E 2 3.5s
PDG XI 27 03 52 27.9–.37 43.18N 17.50E 4–1 3.5L,3.5
BEO XI 27 03 52 27.0–.57 43.28N 17.45E 0–0 3.4L,3.5
IDC XI 27 03 52 28.1–1.1 43.23N 17.65E 0 3.7,3.6
NEIC XI 27 03 52 29.4 43.15N 17.60E 1 3.5L,3.6
PRU XI 27 03 52 29.4 43.26N 17.53E 0 3.5L,3.6
VIE XI 27 03 52 29.5–.47 43.35N 17.67E 10–0 3.5s,3.4b
THE XI 27 03 52 30.6 43.13N 17.38E 32–77 3.2L,3.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=135.1.
LDG Event type ke. Error ellipse: s-maj=5.5km s-min=2.1km az=25.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=43.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.2km az=0.0.
IDC Error ellipse: s-maj=15.8km s-min=12.1km az=58.0.
NEIC Event type se. After PDG.
VIE Error ellipse: s-maj=5.2km s-min=3.6km az=55.0. 81 km SW of Sarajevo .
THE Event type ke. Error ellipse: s-maj=77.1km s-min=2.7km az=0.0.
LJU XI 28 13 04 21.4 45.37N 15.25E 0 1.1L
¶13659203
LJU Artificial.
ISC XI 28 17 28 49.1–.68 43.86N–.05 17.42E–.05 10 27 1-3
BEO XI 28 17 28 47.0–.61 43.82N 17.32E 0–0 2.6L ¶11751295
ISCJB XI 28 17 28 48.7–.72 43.92N–.05 17.44E–.05 10 2.6L
CSEM XI 28 17 28 48.6–.27 43.85N 17.39E 2 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=4.0km az=22.4.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.2km az=35.0.
ISC XI 29 10 13 28.1–.36 41.91N–.02 22.93E–.03 5–4 78 0-3
ATH XI 29 10 13 26.8 41.96N 22.96E 5 3.3 ¶11751327
SOF XI 29 10 13 27.2 41.90N 22.98E 20 2.7
CSEM XI 29 10 13 27.8–.13 41.91N 22.93E 2 2.7
ISCJB XI 29 10 13 27.1–.43 41.92N–.02 22.92E–.03 1–5 2.7
THE XI 29 10 13 28.0 41.89N 22.98E 3–2 2.5L
BEO XI 29 10 13 30.0–.78 42.00N 22.95E 19–7 2.2L
ISC Event type ke.
ATH Error ellipse: s-maj=3.7km s-min=4.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=152.9.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=284.0.
ISC XI 29 11 22 07.2–.61 45.57N–.03 15.84E–.05 16–6 51 0-2
ISCJB XI 29 11 22 06.7–.60 45.55N–.03 15.84E–.04 14–6 ¶13659206
CSEM XI 29 11 22 06.0–.23 45.55N 15.86E 30 2.7L
LJU XI 29 11 22 07.0 45.53N 15.83E 4 2.1L
VIE XI 29 11 22 11.9–.54 45.77N 15.55E 11–2 1.9L,1.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=44.9.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.8km az=68.0.
VIE Error ellipse: s-maj=3.5km s-min=2.4km az=130.0. 23 km SSE of Krsko .
BEO XII 02 03 27 20.4–.62 43.44N 19.78E 3–3 2.1L
CSEM XII 02 03 27 19.1–.38 43.42N 19.71E 2 2.1L ¶11751469
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=6.6km az=59.0.
CSEM XII 06 12 40 58.2–.14 41.74N 22.35E 8 1.9L
BEO XII 06 12 40 58.9–.57 41.73N 22.34E 0–0 2.2L ¶11751609
SKO XII 06 12 40 58.3 41.69N 22.34E 15 2.2L,1.9
THE XII 06 12 40 59.1 41.70N 22.37E 4–16 2.2L,1.9
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=95.0.
THE Event type ke. Error ellipse: s-maj=16.6km s-min=0.4km az=139.0.
ISC XII 06 21 01 20.6–1.6 44.81N–.04 15.3E–.10 10 10 0-1
¶15698477
ISC XII 06 22 29 49.7–1.1 43.07N–.09 17.29E–.08 10 11 0-3
ISCJB XII 06 22 29 49.1–1.0 43.09N–.08 17.30E–.08 10 ¶11751619
BEO XII 06 22 29 49.1–1.9 44.84N 17.41E 0–0 2.7L
ISCJB Error ellipse: s-maj=13.1km s-min=5.9km az=29.8.
LJU XII 13 00 44 15.8 46.42N 14.97E 10 1.6L
CSEM XII 13 00 44 16.1–.08 46.42N 14.97E 10 2.4L ¶13812872
VIE XII 13 00 44 16.2–.26 46.44N 14.99E 11–3 1.6L,1.2b

CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=155.0.
VIE Error ellipse: s-maj=1.4km s-min=1.0km az=172.0. 22 km S of Lavamnd .
ISC XII 13 11 18 15.3–.75 45.01N–.03 14.98E–.04 2–7 117 0-2
ROM XII 13 11 18 14.1–1.2 44.54N 14.08E 10–0 2.7,2.3L **¶13812869**
ISCJB XII 13 11 18 15.4–.55 45.06N–.02 14.95E–.03 10 2.7,2.3L
CSEM XII 13 11 18 15.9–.25 45.06N 14.92E 10 3.1L,2.3L
VIE XII 13 11 18 15.8–.44 45.06N 14.90E 9–2 2.6L,2.2b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=12.0km s-min=0.0km az=171.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=3.3km az=18.4.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=168.0.
VIE Error ellipse: s-maj=2.8km s-min=1.8km az=174.0. 49 km SE of Rijeka .
ISC XII 15 04 02 47.9–.83 43.33N–.03 17.53E–.04 1–6 101 0-5
PDG XII 15 04 02 47.0–.24 43.23N 17.46E 4–0 2.6L **¶11661655**
BEO XII 15 04 02 47.9–.63 43.38N 17.47E 3–4 2.7L
ISCJB XII 15 04 02 48.0–.33 43.33N–.02 17.60E–.03 10 2.7L
CSEM XII 15 04 02 48.1–.21 43.36N 17.55E 2 2.6L
VIE XII 15 04 02 48.4–.51 43.51N 17.98E 10–0 2.6b,2.1L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.5km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.0km az=40.8.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=2.7km az=37.0.
VIE Error ellipse: s-maj=11.8km s-min=3.6km az=63.0. 51 km SW of Sarajevo .
ISC XII 15 17 44 04.9–.86 45.41N–.03 18.02E–.05 7–5 50 1-4
ISCJB XII 15 17 44 04.0–.83 45.43N–.03 18.00E–.05 6–5 **¶13837086**
VIE XII 15 17 44 05.3–.53 45.53N 18.07E 9–2 2.5L,2.3b
CSEM XII 15 17 44 07.1–.42 45.57N 17.87E 2 2.5L,2.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.4km az=26.1.
VIE Error ellipse: s-maj=4.7km s-min=1.7km az=154.0. 41 km N of Slavonski Brod .
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=6.3km az=170.0.
ISC XII 18 05 09 52.9–.80 45.92N–.03 15.87E–.06 11–6 57 0-2
ISCJB XII 18 05 09 52.6–.72 45.94N–.03 15.85E–.06 13–5 **¶13813902**
CSEM XII 18 05 09 52.8–.24 45.91N 15.86E 10 2.5L
LJU XII 18 05 09 52.0 45.88N 15.90E 13 2.0L
VIE XII 18 05 09 53.9–.67 45.96N 15.74E 6–5 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.1km az=23.6.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=116.0.
VIE Error ellipse: s-maj=4.8km s-min=2.1km az=112.0. 20 km E of Krsko .
ISC XII 20 07 44 21.6–.68 43.56N–.04 17.43E–.04 10 33 1-4
ISCJB XII 20 07 44 21.4–.78 43.55N–.04 17.51E–.05 10 **¶11751753**
BEO XII 20 07 44 21.5–.79 43.62N 17.41E 1–4 2.6L
CSEM XII 20 07 44 22.1–.50 43.55N 17.51E 2 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.9km az=35.5.
CSEM Event type ke. Error ellipse: s-maj=14.4km s-min=8.9km az=12.0.
ISC XII 21 08 44 57.5–.63 43.96N–.04 17.25E–.05 10 38 1-4
CSEM XII 21 08 44 56.4–.36 43.94N 17.25E 2 2.5L **¶11751765**
BEO XII 21 08 44 56.1–.69 43.95N 17.15E 6–3 2.5L
ISCJB XII 21 08 44 57.0–.57 43.96N–.04 17.33E–.04 10 2.5L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 21 13 17 28.2–.85 43.88N–.06 17.23E–.05 1–8 72 1-5
ISCJB XII 21 13 17 28.0–.40 43.79N–.03 17.09E–.05 10 **¶11661659**
CSEM XII 21 13 17 28.9–.21 43.99N 17.35E 2 2.9L
PDG XII 21 13 17 29.3–.22 43.70N 17.12E 2–1 2.9L
BEO XII 21 13 17 30.0–1.2 43.92N 17.28E 22–1 2.7L
VIE XII 21 13 17 31.4–.59 44.13N 17.38E 10–0 2.6b,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=2.5km az=43.1.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=3.3km az=37.0.
PDG Event type ke. Error ellipse: s-maj=2.1km s-min=2.3km az=0.0.
VIE Error ellipse: s-maj=7.8km s-min=4.3km az=65.0. 89 km WNW of Sarajevo .
ISC XII 21 20 20 19.5–.57 43.89N–.01 17.21E–.01 23–5 3.9b,3.8s 776 1-73
MOS XII 21 20 20 16.6–.96 43.80N 17.10E 27 4.3b,3.8s **¶11517302**
IDC XII 21 20 20 16.3–.63 43.96N 17.35E 0 4.0,3.9b
NEIC XII 21 20 20 16.6–.35 43.88N 17.15E 5 4.3b,3.9W
PDG XII 21 20 20 16.4–1.5 43.94N 17.25E 0–11 4.2L,4.2
LDG XII 21 20 20 17.2–.07 43.93N 17.34E 10–0 4.1L,4.2
BEO XII 21 20 20 18.6–.49 44.06N 17.22E 9–2 4.3L,4.2
PRU XII 21 20 20 18.6 43.99N 17.16E 0 4.3,4.2
CSEM XII 21 20 20 19.3–.09 43.91N 17.23E 20 4.2b,4.0s
VIE XII 21 20 20 20.5–.35 44.10N 17.32E 10–0 4.0L,4.0s
STR XII 21 20 20 27.1–.66 44.15N 16.39E 10–0 5.1L,4.0s
ISC Event type fe.
MOS Error ellipse: s-maj=4.5km s-min=3.6km az=107.9.
IDC Error ellipse: s-maj=11.8km s-min=8.9km az=61.0.
NEIC Event type fe. Error ellipse: s-maj=6.3km s-min=4.0km az=180.0. Felt at Kakanj. Moment Tensor Solution. $M_0$9.40000×10^{14}
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.7km az=0.0.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=20.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=24.0.
VIE Error ellipse: s-maj=3.1km s-min=2.9km az=26.0. 92 km WNW of Sarajevo .
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC XII 21 21 54 23.6–.75 43.98N–.03 17.30E–.04 5–5 98 1-5
ISCJB XII 21 21 54 22.7–.70 44.02N–.03 17.33E–.04 6–4 **¶11661660**
BEO XII 21 21 54 22.4–.79 43.92N 17.21E 2–4 2.6L
CSEM XII 21 21 54 23.3–.14 43.96N 17.32E 2 2.6L
PDG XII 21 21 54 24.1–.21 43.80N 17.38E 1–0 2.8L
VIE XII 21 21 54 27.3–.47 44.20N 17.28E 10–0 2.4L,2.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=2.4km az=40.6.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.2km az=44.0.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.9km az=0.0.
VIE Error ellipse: s-maj=5.0km s-min=3.6km az=54.0. 99 km WNW of Sarajevo .
ISC XII 21 22 12 23.1–.46 43.95N–.02 17.27E–.02 7–3 323 1-11
ISCJB XII 21 22 12 21.6–.47 43.99N–.02 17.23E–.02 5–3 **¶11517306**
PDG XII 21 22 12 22.2–.39 43.88N 17.26E 0–11 3.3L
NEIC XII 21 22 12 22.2 43.98N 17.38E 0 2.5L
CSEM XII 21 22 12 22.6–.12 43.93N 17.29E 2 3.0L
PRU XII 21 22 12 23.0 43.95N 17.20E 0 3.0L
LDG XII 21 22 12 23.5–.08 44.01N 17.38E 10–0 3.2L
BEO XII 21 22 12 23.1–.53 43.95N 17.28E 8–3 3.0L
VIE XII 21 22 12 25.8–.27 44.14N 17.32E 10–0 3.0b,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=44.0.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=2.3km az=0.0.
NEIC Event type se. After PDG.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=41.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=31.0.
VIE Error ellipse: s-maj=2.5km s-min=1.9km az=17.0. 94 km WNW of Sarajevo .
ISC XII 21 23 40 13.8–.66 43.95N–.03 17.28E–.04 4–4 109 1-6
ISCJB XII 21 23 40 12.9–.68 43.98N–.03 17.30E–.04 4–4 **¶11517313**
BEO XII 21 23 40 12.3–.84 43.91N 17.16E 1–4 2.8L
CSEM XII 21 23 40 13.6–.18 43.96N 17.30E 2 2.8L
PDG XII 21 23 40 14.8–.18 43.72N 17.26E 1–0 3.0,2.9L
VIE XII 21 23 40 15.6–.33 44.09N 17.34E 10–0 2.6b,2.3L
PRU XII 21 23 40 18.7 44.28N 17.60E 0 2.6b,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=2.5km az=44.7.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=2.7km az=43.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.7km az=0.0.
VIE Error ellipse: s-maj=3.5km s-min=2.5km az=76.0. 91 km WNW of Sarajevo .
ISC XII 22 00 41 16.7–.54 43.86N–.04 17.24E–.05 10 33 1-3
BEO XII 22 00 41 14.5–1.0 43.86N 16.96E 13–7 2.5L **¶11751775**
ISCJB XII 22 00 41 15.7–.54 43.84N–.04 17.21E–.04 10 2.5L
CSEM XII 22 00 41 16.4–.29 43.89N 17.23E 2 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.1km az=36.7.

CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=4.9km az=43.0.
ISC XII 22 05 50 16.8–.68 43.85N–.04 17.21E–.05 11–12 25 1-3
ISCJB XII 22 05 50 15.8–.63 43.85N–.04 17.24E–.04 10 **¶11751777**
BEO XII 22 05 50 16.0–.79 43.85N 17.10E 0–0 2.5L
CSEM XII 22 05 50 16.4–.47 43.87N 17.34E 2 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.7km az=37.2.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=7.2km az=36.0.
ISC XII 22 08 26 59.6–.60 43.98N–.02 17.29E–.03 4–4 149 1-6
ISCJB XII 22 08 26 58.3–.58 44.02N–.02 17.31E–.03 2–4 **¶11519063**
PDG XII 22 08 26 58.4–.36 43.85N 17.22E 0–1 3.1L
CSEM XII 22 08 26 59.1–.15 43.98N 17.31E 2 2.9L
BEO XII 22 08 26 59.8–.73 43.98N 17.26E 13–4 2.9L
PRU XII 22 08 27 00.6 43.96N 16.97E 0 2.9L
VIE XII 22 08 27 02.6–.40 44.21N 17.36E 10–0 2.7L,2.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=2.3km az=136.4.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.9km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.3km az=46.0.
VIE Error ellipse: s-maj=4.4km s-min=3.2km az=44.0. 94 km WNW of Sarajevo .
ISC XII 24 11 20 24.9–.59 43.50N–.03 18.96E–.04 6–5 67 0-2
TIR XII 24 11 20 23.9 43.53N 19.11E 0 2.8L **¶11598064**
ISCJB XII 24 11 20 24.5–.52 43.48N–.02 18.99E–.04 10 2.8L
CSEM XII 24 11 20 24.6–.30 43.47N 18.94E 2 2.2L
PDG XII 24 11 20 25.5–.13 43.44N 19.02E 10–0 2.2L,2.2
BEO XII 24 11 20 25.6–1.2 43.51N 18.94E 15–8 2.3L,2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=37.9.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=132.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.5km az=90.0.
LJU XII 27 16 36 46.3 46.39N 15.07E 0
CSEM XII 27 16 36 46.3–99 46.39N 15.07E 0 **¶13813423**
LJU Rockburst.
CSEM Event type sr. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. Suspected Mining induced. After LJU.
ISC XII 29 04 10 07.5–.25 46.90N–.01 14.26E–.02 0–2 325 0-7
ISCJB XII 29 04 10 06.2–.26 46.93N–.01 14.25E–.02 0–3 **¶11526703**
VIE XII 29 04 10 07.3–.11 46.86N 14.28E 9–1 3.1L,2.4b
CSEM XII 29 04 10 07.3–.13 46.89N 14.25E 2 3.3L,2.4b
NEIC XII 29 04 10 07.3 46.86N 14.28E 9 3.0L,2.7L
LJU XII 29 04 10 07.1 46.87N 14.28E 1 2.5L,2.7L
PRU XII 29 04 10 08.2 46.93N 14.35E 0 2.5L,2.7L
BGR XII 29 04 10 09.4–.35 46.89N 14.32E 10 2.6L,2.7L
LDG XII 29 04 10 09.4–.15 46.72N 14.28E 10–0 2.7L,2.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.9km az=34.5.
VIE Event type fe. Error ellipse: s-maj=1.0km s-min=0.8km az=176.0. 2 km SSW of Gurk . felt 4-5 ems98 at Gurk / CARINTHIA.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=119.0.
NEIC Event type se. After VIE.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=5.6km az=169.0.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=33.0.
ISC XII 31 22 36 13.3–.42 41.81N–.02 22.87E–.04 9–6 55 1-3
ISCJB XII 31 22 36 12.6–.40 41.82N–.02 22.84E–.04 10 **¶11751891**
ATH XII 31 22 36 12.9 41.86N 22.93E 5–2 3.4
THE XII 31 22 36 13.3 41.81N 22.87E 2–19 1.8L
CSEM XII 31 22 36 13.2–.16 41.80N 22.86E 2 1.8L
BEO XII 31 22 36 18.0–1.1 41.98N 22.91E 0–0 1.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=163.5.
ATH Error ellipse: s-maj=2.0km s-min=1.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=19.6km s-min=0.4km az=236.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=2.4km az=79.0.

(384) West of Gibraltar.

ISC VII 17 19 22 07.8–.34 36.37N–.02 9.53W–.03 10 826 1-146
IDC VII 17 19 22 00.3–2.5 36.20N 10.23W 0 5.0L,4.4 **¶11163173**
ISCJB VII 17 19 22 05.0–.35 36.33N–.02 9.56W–.03 10 5.0L,4.4
INMG VII 17 19 22 06.1–2.0 36.30N 9.81W 6–7 3.7L,3.4
NEIC VII 17 19 22 07.7 36.33N 9.75W 10 3.6,3.4
SFS VII 17 19 22 07.0 36.30N 9.70W 10 3.6L,3.4
MDD VII 17 19 22 08.3–.70 36.25N 9.87W 43–42 4.8b,3.4
LDG VII 17 19 22 09.4–.16 36.28N 9.82W 30–0 4.2L,3.4
IGIL VII 17 19 22 10.2 36.30N 9.77W 29 3.8L,3.4
CSEM VII 17 19 22 12.2–.28 36.51N 9.52W 40 4.5L,3.4
CNRM VII 17 19 22 14.0 35.92N 9.43W 30 4.1,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=62.7km s-min=39.3km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=170.3.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=59.0.
NEIC Event type se. After MDD.
SFS Event type ke.
MDD Error ellipse: s-maj=5.8km s-min=4.0km az=97.0.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.0km az=52.0.
CNRM Event type ke.
INMG VII 21 01 23 35.5–.65 36.55N 9.82W 11–3 1.8L
IGIL VII 21 01 23 28.3 36.14N 10.19W 10 2.6L **¶11163208**
CSEM VII 21 01 23 35.5 36.55N 9.82W 11 1.8L
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=3.8km az=148.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After INMG.
ISC IX 21 10 12 35.5–.91 36.90N–.04 9.55W–.05 10 192 1-7
MDD IX 21 10 12 35.4–1.2 36.77N 9.78W 22–11 2.7 **¶11362327**
NEIC IX 21 10 12 35.0 36.78N 9.76W 20 4.2
CSEM IX 21 10 12 35.9–.41 36.87N 9.63W 20 3.1L
INMG IX 21 10 12 36.0–.96 36.74N 9.71W 18–3 2.2,2.1L
IGIL IX 21 10 12 36.4 36.76N 9.70W 15 2.3L,2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=13.5km s-min=6.6km az=44.0. PRXIMO.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.8km az=45.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=48.0.
ISC IX 30 07 06 47.3–.45 35.79N–.02 8.47W–.03 65–13 370 1-13
CNRM IX 30 07 06 43.8 35.63N 8.88W 30 3.5 **¶11327352**
ISCJB IX 30 07 06 46.0–.45 35.80N–.02 8.44W–.03 87–6 3.5
MDD IX 30 07 06 46.8–.15 35.64N 8.67W 59–4 4.8b
IGIL IX 30 07 06 46.9 35.67N 8.63W 30 4.8b
INMG IX 30 07 06 47.1–2.1 35.67N 8.56W 38–94 3.0L,2.7
NEIC IX 30 07 06 47.0 35.63N 8.60W 31 3.2,3.0L
LDG IX 30 07 06 47.6–.42 35.72N 8.55W 50–0 3.6L,3.3
SFS IX 30 07 06 47.0 35.66N 8.63W 58 4.8L,3.3
CSEM IX 30 07 06 48.7–.28 35.88N 8.46W 60 3.0L,3.3
ISC Event type ke.
CNRM Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.9km az=150.1.
MDD Error ellipse: s-maj=1.6km s-min=1.0km az=64.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=3.2km az=66.0.
NEIC Event type se. After LIS.
LDG Event type ke. Error ellipse: s-maj=8.5km s-min=4.6km az=39.0.
SFS Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=2.9km az=41.0.
ISC X 15 23 19 40.6–.51 36.08N–.03 9.85W–.03 10 476 1-14
INMG X 15 23 19 36.8–2.4 35.72N 10.18W 23–9 3.1,2.8L **¶11361710**
MDD X 15 23 19 37.3–.83 35.89N 10.08W 0 3.3,2.8L
ISCJB X 15 23 19 38.1–.52 36.03N–.03 9.82W–.04 10 3.3,2.8L
NEIC X 15 23 19 38.5 35.99N 10.07W 0 3.3,2.8L
LDG X 15 23 19 40.0–.19 35.91N 10.19W 20–0 3.3L,2.8L
IGIL X 15 23 19 41.2 36.02N 9.94W 0 2.9L,2.8L
CNRM X 15 23 19 41.2 35.71N 9.98W 30 3.4,2.8L
CSEM X 15 23 19 42.4–.30 36.09N 9.92W 30 4.0L,2.8L
ISC Event type ke.

INMG Event type ke. Error ellipse: s-maj=7.7km s-min=4.5km az=105.0.
MDD Error ellipse: s-maj=8.5km s-min=5.8km az=75.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=144.6.
NEIC Event type se. After MDD.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=43.0.
CNRM Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=49.0.

ISC	**X**	**20 01 29 28.7–1.0**	**35.84N–.05**	**9.49W–.06**	**10**		**143**	**1-7**
NEIC	X	20 01 29 27.2	35.64N	9.83W	72	2.9		¶11366389
IGIL	X	20 01 29 28.6	35.67N	9.81W	26	2.4L		
INMG	X	20 01 29 28.8–.89	35.63N	9.77W	31–0	1.9L		
MDD	X	20 01 29 28.1–1.5	35.80N	9.57W	0	2.1		
CSEM	X	20 01 29 29.9–.34	35.83N	9.56W	100	3.0L		

ISC Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=79.0.
MDD Error ellipse: s-maj=13.5km s-min=12.3km az=83.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.3km az=63.0.

ISC	**XI**	**03 20 21 38.2–.55**	**35.97N–.03**	**9.67W–.03**	**10**		**338**	**1-11**
CNRM	XI	03 20 21 25.5	35.56N	11.27W	30	3.3		¶11395540
NEIC	XI	03 20 21 35.8	35.87N	9.89W	0	3.1		
MDD	XI	03 20 21 35.9–1.4	35.81N	9.95W	10–20	3.4		
SFS	XI	03 20 21 35.0	35.86N	9.88W	0	3.1L		
ISCJB	XI	03 20 21 36.5–.60	35.96N–.03	9.62W–.04	10	3.1L		
IGIL	XI	03 20 21 37.1	35.75N	10.03W	23	3.2L		
INMG	XI	03 20 21 37.3–1.2	35.72N	10.08W	31–0	3.0L		
CSEM	XI	03 20 21 37.9–.30	35.98N	9.72W	10	4.0L		
LDG	XI	03 20 21 37.4–.22	35.76N	10.06W	30–0	3.8L		

ISC Event type ke.
CNRM Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=24.6km s-min=8.4km az=52.0. PRIMO.
SFS Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=137.6.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=64.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=47.0.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=2.9km az=36.0.

ISC	**XI**	**06 05 54 06.1–.77**	**36.77N–.03**	**9.45W–.05**	**10**		**180**	**1-7**
NEIC	XI	06 05 54 04.6	36.54N	9.70W	22	3.5		¶11653302
MDD	XI	06 05 54 05.4–1.5	36.55N	9.72W	30	2.9		
CSEM	XI	06 05 54 06.3–.40	36.72N	9.51W	20	3.5L		
IGIL	XI	06 05 54 06.3	36.58N	9.62W	20	2.7L		
INMG	XI	06 05 54 06.4–1.0	36.60N	9.62W	20–3	2.4L		

ISC Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=13.8km s-min=9.1km az=46.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.9km az=45.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=54.0.

ISC	**XI**	**22 19 36 39.5–.62**	**35.97N–.03**	**8.51W–.04**	**10**		**253**	**1-7**
NEIC	XI	22 19 36 38.6	35.90N	8.61W	0	2.7		¶13400886
MDD	XI	22 19 36 38.4–1.2	35.71N	8.83W	48–49	4.2b		
CNRM	XI	22 19 36 38.3	35.20N	9.22W	30	3.1		
ISCJB	XI	22 19 36 38.4–.64	35.95N–.03	8.46W–.04	10	3.1		
INMG	XI	22 19 36 39.2–.96	35.70N	8.83W	31–0	2.4L		
CSEM	XI	22 19 36 39.5–.30	35.97N	8.52W	10	3.3L		

ISC Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=13.0km s-min=6.8km az=42.0. PRIMO.
CNRM Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.7km az=41.5.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.0km az=43.0.

ISC	**XII**	**19 08 35 40.5–.74**	**36.87N–.03**	**8.08W–.03**	**10**		**130**	**0-5**
ISCJB	XII	19 08 35 40.2–.74	36.90N–.04	8.06W–.03	10			¶11593861
CSEM	XII	19 08 35 41.8–.40	36.88N	8.16W	22–2	3.6L		
MDD	XII	19 08 35 42.3–.82	36.83N	8.22W	20–4	3.1		
INMG	XII	19 08 35 42.0–1.3	36.81N	8.24W	24–3	2.8L		
IGIL	XII	19 08 35 42.5	36.83N	8.24W	9	3.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.2km az=17.9.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.2km az=9.0.
MDD Error ellipse: s-maj=6.8km s-min=3.9km az=175.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=168.0.

INMG	**XII**	**26 17 46 51.4–1.2**	**35.30N**	**9.36W**	**31–0**	**1.7L**		
IGIL	XII	26 17 46 51.4	35.30N	9.38W	31	2.1L		¶11593921
CSEM	XII	26 17 46 52.0–.51	35.51N	9.12W	17	2.1L		
MDD	XII	26 17 46 52.1–2.1	35.53N	9.07W	0	2.0		

INMG Event type ke. Error ellipse: s-maj=9.6km s-min=6.1km az=91.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=8.4km az=95.0.
MDD Error ellipse: s-maj=21.3km s-min=15.9km az=93.0. PRXIMO.

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ISC	**VII**	**28 02 16 35.4–.46**	**35.89N–.02**	**4.76W–.02**	**90–5**		**434**	**1-8**
ISCJB	VII	28 02 16 34.2–.44	35.90N–.03	4.77W–.02	100–4			¶11163281
MDD	VII	28 02 16 35.0–.51	35.74N	4.68W	86–6	2.9b		
INMG	VII	28 02 16 34.8–1.3	35.74N	4.73W	72–6	2.5L		
IGIL	VII	28 02 16 35.3	35.95N	4.84W	0	2.3L		
LDG	VII	28 02 16 35.5–.26	35.81N	4.69W	60–0	2.9L		
NEIC	VII	28 02 16 36.0	35.81N	4.65W	87	2.9		
SFS	VII	28 02 16 35.0	35.80N	4.65W	87	2.8L		
CSEM	VII	28 02 16 36.9–.25	36.00N	4.76W	100	2.8b		
CNRM	VII	28 02 16 40.0	35.75N	4.60W	16	3.3		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=175.1.
MDD Error ellipse: s-maj=4.3km s-min=3.8km az=152.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=169.0.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=2.8km az=171.0.
NEIC Event type se. After MDD.
SFS Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.3km az=172.0.
CNRM Event type ke.

ISC	**VII**	**28 18 29 27.3–.69**	**36.81N–.04**	**7.18W–.04**	**39–42**		**143**	**1-10**
ISCJB	VII	28 18 29 26.1–.74	36.81N–.05	7.17W–.04	61–9			¶11163284
NEIC	VII	28 18 29 28.0	36.82N	7.21W	48	3.5		
MDD	VII	28 18 29 27.9–.79	36.78N	7.20W	37–16	3.8b		
CSEM	VII	28 18 29 27.3–.20	36.80N	7.20W	40	1.8L		
INMG	VII	28 18 29 28.2–1.2	36.77N	7.22W	31–11	1.8L		
LDG	VII	28 18 29 28.1–.19	36.80N	7.22W	25–0	2.8L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.6km az=13.5.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=8.6km s-min=4.7km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.5km az=12.0.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=2.9km az=21.0.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=8.0.

ISC	**VIII**	**01 07 21 38.9–.26**	**36.95N–.02**	**5.58W–.01**	**13–2**	**3.2b**	**444**	**0-74**
IDC	VIII	01 07 21 36.4–1.4	36.85N	5.57W	0	3.5,3.3L		¶11158515
ISCJB	VIII	01 07 21 37.6–.27	36.99N–.02	5.59W–.01	10–2	3.2b,3.3L		
LDG	VIII	01 07 21 38.9–.18	36.91N	5.65W	2–0	3.4L,3.3L		
CSEM	VIII	01 07 21 38.6–.09	36.94N	5.59W	10	3.7L,3.3L		
SFS	VIII	01 07 21 39.0	36.86N	5.57W	15	1.8L,3.3L		
NEIC	VIII	01 07 21 39.7	36.92N	5.60W	4	3.2,3.3L		
INMG	VIII	01 07 21 39.6–1.2	36.93N	5.60W	6–2	3.0L,3.3L		
IGIL	VIII	01 07 21 39.7	36.90N	5.62W	11	3.0L,3.3L		
MDD	VIII	01 07 21 39.8–.17	36.90N	5.59W	11–0	3.1,3.3L		
CNRM	VIII	01 07 21 47.0	36.59N	5.24W	32	3.6,3.3L		

ISC Event type fe.
IDC Error ellipse: s-maj=26.7km s-min=14.8km az=95.0.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.8km az=14.3.
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=3.2km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=13.0.
SFS Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=1.4km s-min=1.4km az=179.0.
MDD Event type fe. Error ellipse: s-maj=2.4km s-min=1.5km az=179.0. EMS: III PUERTO SERRANO. PRIMO.
CNRM Event type ke.

ISC	**IX**	**08 13 01 49.7–.56**	**36.88N–.03**	**7.51W–.03**	**52–9**		**235**	**0-5**
ISCJB	IX	08 13 01 48.7–.59	36.89N–.03	7.50W–.03	63–7			¶11362292
MDD	IX	08 13 01 50.0–.60	36.80N	7.57W	43–13	4.1b		
INMG	IX	08 13 01 50.2–1.1	36.79N	7.58W	30–3	2.1L		
NEIC	IX	08 13 01 50.1	36.82N	7.57W	47	3.1		
IGIL	IX	08 13 01 50.3	36.79N	7.58W	30	2.0L		
CSEM	IX	08 13 01 50.0–.22	36.87N	7.51W	40	3.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.6km az=26.0.
MDD Error ellipse: s-maj=6.7km s-min=4.2km az=16.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=23.0.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.6km az=27.0.

ISC	**IX**	**09 13 36 41.0–.27**	**35.64N–.02**	**6.94W–.02**	**40–9**	**3.9b**	**911**	**1-32**
IDC	IX	09 13 36 35.7–2.9	35.57N	6.95W	0	4.1L,4.0		¶11255591
LDG	IX	09 13 36 36.1–.27	35.67N	6.89W	2–0	4.7L,4.0		
NEIC	IX	09 13 36 38.8–1.8	35.53N	7.05W	26–18	4.0L,4.0		
ISCJB	IX	09 13 36 39.6–.27	35.65N–.02	6.93W–.02	59–5	3.9b,4.0		
SFS	IX	09 13 36 40.0	35.05N	6.99W	63	5.0L,4.0		
IGIL	IX	09 13 36 40.6	35.58N	6.92W	20	3.8L,4.0		
CSEM	IX	09 13 36 40.5–.11	35.57N	6.97W	40	4.8L,4.0		
INMG	IX	09 13 36 40.5–3.0	35.61N	7.02W	20–11	3.9L,3.7		
CNRM	IX	09 13 36 41.9	35.49N	6.89W	30	3.8,3.7		
MDD	IX	09 13 36 41.1–.32	35.56N	6.96W	55–17	5.2b,3.7		
STR	IX	09 13 36 59.5–.16	36.65N	5.97W	30–0	4.0L,3.7		

ISC Event type ke.
IDC Error ellipse: s-maj=66.4km s-min=21.9km az=90.0.
LDG Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=39.0.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.9km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=42.2.
SFS Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=63.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=4.2km az=48.0.
CNRM Event type ke.
MDD Error ellipse: s-maj=3.6km s-min=2.8km az=61.0. PRIMO.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

ISC	**IX**	**17 05 27 19.5–.38**	**36.87N–.02**	**4.52W–.02**	**65–5**		**529**	**0-11**
ISCJB	IX	17 05 27 18.1–.37	36.88N–.03	4.53W–.02	77–4			¶11302766
MDD	IX	17 05 27 19.3–.41	36.72N	4.47W	66–4	4.0b		
CSEM	IX	17 05 27 19.1–.16	36.80N	4.50W	60	4.0b		
LDG	IX	17 05 27 19.1	36.75N	4.51W	48	4.0b		
IGIL	IX	17 05 27 20.6	36.83N	4.52W	40	3.0L		
NEIC	IX	17 05 27 20.9	36.83N	4.52W	40	2.9		
INMG	IX	17 05 27 21.1–1.3	36.81N	4.64W	58–5	3.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.3km az=173.3.
MDD Error ellipse: s-maj=4.2km s-min=2.4km az=164.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.4km az=175.0.
LDG Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=127.0.

ISC	**IX**	**19 05 21 06.8–1.4**	**36.56N–.08**	**7.12W–.06**	**55–27**		**82**	**1-4**
INMG	IX	19 05 21 07.1–.91	36.57N	7.16W	16–3	1.1L		¶11280398
MDD	IX	19 05 21 07.0–1.7	36.51N	7.12W	29–32	1.5		
CSEM	IX	19 05 21 08.0–.55	36.59N	7.17W	40	1.1L		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=3.7km az=5.0.
MDD Error ellipse: s-maj=23.5km s-min=8.3km az=170.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=5.8km az=166.0.

MDD	**IX**	**20 00 50 35.2–.44**	**36.95N**	**4.29W**	**3–15**	**1.3**		
CSEM	IX	20 00 50 35.2	36.95N	4.29W	0	1.2L		¶13860479

MDD Error ellipse: s-maj=4.3km s-min=3.5km az=159.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.

MDD	**IX**	**20 02 50 06.3–.40**	**36.95N**	**4.29W**	**0**	**1.4**		
CSEM	IX	20 02 50 05.6–.09	36.96N	4.29W	10	1.3L		¶13860490

MDD Error ellipse: s-maj=3.5km s-min=2.8km az=168.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=6.0.

MDD	**IX**	**20 03 06 31.5–.78**	**37.00N**	**4.28W**	**0**	**0.9**		
CSEM	IX	20 03 06 31.5	37.00N	4.28W	0	0.9L		¶13860494

MDD Error ellipse: s-maj=4.8km s-min=4.7km az=77.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.

MDD	**IX**	**20 15 17 51.4–.46**	**36.97N**	**4.31W**	**0**	**1.1**		
CSEM	IX	20 15 17 51.4	36.97N	4.31W	0	1.1L		¶13860506

MDD Error ellipse: s-maj=4.5km s-min=3.4km az=141.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After MDD.

ISC	**IX**	**26 10 19 54.9–.42**	**35.39N–.02**	**6.04W–.02**	**44–20**		**240**	**1-8**
INMG	IX	26 10 19 53.9–1.3	35.21N	6.13W	31–11	2.6L		¶11362132
IGIL	IX	26 10 19 53.9	35.21N	6.12W	24	2.8L		
CSEM	IX	26 10 19 54.6–.18	35.35N	6.05W	60	3.5L		
MDD	IX	26 10 19 55.2–.41	35.28N	6.09W	47–10	3.8b		
NEIC	IX	26 10 19 55.3	35.55N	5.99W	2	2.5		
CNRM	IX	26 10 19 57.5	35.17N	6.04W	32	2.8		

ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=2.9km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=42.0.
MDD Error ellipse: s-maj=4.5km s-min=3.7km az=78.0. PRXIMO.
NEIC Event type se. After MDD.
CNRM Event type ke.

ISC	**IX**	**29 10 19 22.6–.89**	**36.69N–.05**	**7.24W–.04**	**46–23**		**93**	**1-3**
ISCJB	IX	29 10 19 21.8–.94	36.71N–.05	7.24W–.04	61–11			¶11362140
MDD	IX	29 10 19 22.8–1.0	36.63N	7.26W	39–18	2.1		
CSEM	IX	29 10 19 22.7–.26	36.69N	7.24W	40	1.7L		
IGIL	IX	29 10 19 23.3	36.66N	7.30W	21	1.7L		
NEIC	IX	29 10 19 23.1	36.66N	7.25W	48	3.8		
INMG	IX	29 10 19 23.1–1.2	36.61N	7.30W	30–11	1.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=5.2km az=5.6.
MDD Error ellipse: s-maj=10.8km s-min=5.4km az=12.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=3.0.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=4.4km az=15.0.

MDD	**X**	**04 19 27 22.7–.55**	**35.11N**	**3.97W**	**6–4**	**1.8**		
CSEM	X	04 19 27 21.6–.23	35.15N	4.00W	10	1.8		¶13395996
CNRM	X	04 19 27 22.4	35.17N	3.83W	12	1.8		
NEIC	X	04 19 27 24.4	35.30N	4.07W	0	2.9		

MDD Error ellipse: s-maj=8.2km s-min=3.2km az=75.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=4.5km az=79.0.
CNRM Event type ke.
NEIC Event type se. After MDD.

ISC	**X**	**18 07 20 49.1–.50**	**36.96N–.03**	**4.23W–.02**	**60–5**		**177**	**0-5**
ISCJB	X	18 07 20 48.0–.51	36.95N–.04	4.24W–.03	67–5			¶11362479
NEIC	X	18 07 20 49.7	36.90N	4.18W	58	2.9		
CSEM	X	18 07 20 49.2–.20	36.93N	4.20W	54–3	3.5b		
MDD	X	18 07 20 49.7–.45	36.90N	4.18W	56–4	3.4b		
INMG	X	18 07 20 49.8–1.3	36.94N	4.22W	54–7	2.0L		
IGIL	X	18 07 20 50.6	36.90N	4.18W	57	2.3L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.2km az=167.5.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.6km az=168.0.
MDD Error ellipse: s-maj=4.7km s-min=2.8km az=165.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=2.0.

ISC	**X**	**20 09 46 10.3–.31**	**36.45N–.02**	**2.63W–.02**	**10**		**349**	**0-7**
CSEM	X	20 09 46 06.9–.23	36.21N	2.59W	5	3.8L		¶11361738
ISCJB	X	20 09 46 09.4–.32	36.50N–.02	2.70W–.02	10	3.8L		

CNRM X 20 09 46 09.4 36.24N 2.64W 30 3.7
CRAAG X 20 09 46 11.2 36.41N 2.53W 4.2L
LDG X 20 09 46 11.4–.18 36.45N 2.54W 2–0 3.8L
MDD X 20 09 46 11.8–.36 36.47N 2.56W 10–0 3.5
SFS X 20 09 46 11.0 36.47N 2.55W 9 3.4L
NEIC X 20 09 46 11.9 36.47N 2.56W 9 3.4
IGIL X 20 09 46 11.9 36.49N 2.57W 2 3.6L
INMG X 20 09 46 12.6–1.4 36.48N 2.63W 17–3 3.3L
ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=4.5km az=132.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.2km az=179.3.
CNRM Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=165.0.
MDD Event type fe. Error ellipse: s-maj=3.5km s-min=2.8km az=143.0. EMS: II ALMERA CAPITAL, CAADA DE SAN URBANO, LA MOJONERA. PRXIMO.
SFS Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=115.0.
ISC X 20 20 02 30.9–.31 36.56N–.02 2.56W–.02 10 319 0-8
ISCJB X 20 20 02 30.4–.34 36.62N–.02 2.64W–.02 10 **¶11361748**
CSEM X 20 20 02 30.7–.17 36.50N 2.52W 10 3.4L
MDD X 20 20 02 31.8–.38 36.47N 2.53W 11–0 2.9
NEIC X 20 20 02 31.9 36.46N 2.54W 11 3.0
SFS X 20 20 02 31.0 36.46N 2.53W 11 3.0L
LDG X 20 20 02 31.0–.15 36.44N 2.52W 2–0 3.0L
INMG X 20 20 02 32.3–1.5 36.49N 2.53W 19–3 2.7L
CNRM X 20 20 02 32.7 36.51N 2.20W 30 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=153.5.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=137.0.
MDD Error ellipse: s-maj=3.8km s-min=2.7km az=138.0. PRXIMO.
NEIC Event type se. After MDD.
SFS Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=159.0.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=158.0.
CNRM Event type ke.
ISC X 21 03 28 53.9–.32 36.55N–.01 2.64W–.01 15–2 4.1b,3.7s 716 0-81
LDG X 21 03 28 50.8–.23 36.30N 2.67W 10–0 4.2L,3.7s **¶11361780**
CNRM X 21 03 28 52.9 36.53N 2.14W 30 4.2,3.7s
CSEM X 21 03 28 52.5–.10 36.49N 2.59W 5 4.5L,4.3L
IDC X 21 03 28 53.0–.83 36.52N 2.51W 0 4.1b,4.1
NEIC X 21 03 28 53.5 36.45N 2.55W 0 3.9,4.1
MDD X 21 03 28 53.6–.26 36.45N 2.54W 10–0 4.2,4.1
SFS X 21 03 28 53.0 36.44N 2.54W 0 3.9L,4.1
CRAAG X 21 03 28 53.1 36.56N 2.75W 4.2L,4.1
INMG X 21 03 28 54.0–1.1 36.46N 2.57W 13–2 4.2,4.0L
IGIL X 21 03 28 55.0 36.47N 2.56W 10 4.2L,4.0L
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=3.0.
CNRM Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=155.0.
IDC Error ellipse: s-maj=23.9km s-min=13.8km az=80.0.
NEIC Event type fe. Felt at Roquetas de Mar, Spain. After MDD.
MDD Event type fe. Error ellipse: s-maj=2.8km s-min=2.2km az=131.0. EMS:II ALMERIA. PRXIMO.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=115.0.
ISC X 21 05 55 45.7–.34 36.47N–.01 2.70W–.01 6–2 4.5b,4.0s 590 0-89
BJI X 21 05 55 42.6 36.40N 2.50W 10 5.0s,5.0b **¶11360722**
ISCJB X 21 05 55 44.8–.35 36.47N–.01 2.68W–.02 14–2 4.5b,4.0s
CSEM X 21 05 55 45.5–.11 36.45N 2.64W 5 4.6b,4.4L
IDC X 21 05 55 45.9–.71 36.38N 2.66W 0 4.1,4.0b
LDG X 21 05 55 45.0–.22 36.35N 2.64W 10–0 4.2L,4.0b
MDD X 21 05 55 46.4–.37 36.45N 2.58W 5–3 4.3,4.0b
NEIC X 21 05 55 47.1 36.48N 2.62W 3 4.5b,4.1W
INMG X 21 05 55 47.0–1.4 36.48N 2.60W 13–3 3.9L,4.1W
SFS X 21 05 55 47.0 36.47N 2.56W 4 4.1L,4.1W
IGIL X 21 05 55 47.3 36.47N 2.59W 5 4.2L,4.1W
CRAAG X 21 05 55 47.7 36.41N 2.74W 4.1L,4.1W
CNRM X 21 05 55 50.2 36.33N 2.59W 30 4.1,4.1W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.1km az=161.1.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=159.0.
IDC Error ellipse: s-maj=20.6km s-min=11.5km az=93.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=10.0.
MDD Event type fe. Error ellipse: s-maj=3.1km s-min=2.4km az=129.0. EMS: II ALMERIA ROQUETAS DE MAR OL. PRXIMO.
NEIC Event type se. After MDD. Moment Tensor Solution. $M_0$1.80000×10^{15}
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=120.0.
SFS Event type ke.
CNRM Event type ke.
ISC X 21 12 50 55.5–.24 36.47N–.02 2.61W–.02 10 361 0-11
SFS X 21 12 50 51.0 36.46N 2.52W 7 3.4L **¶14555355**
CNRM X 21 12 50 53.7 36.68N 2.35W 23 3.9
ISCJB X 21 12 50 54.4–.24 36.51N–.02 2.64W–.02 10 3.9
CSEM X 21 12 50 55.8–.14 36.46N 2.56W 15 3.8L
INMG X 21 12 50 56.7–1.7 36.47N 2.52W 16–4 3.3L,3.3
NEIC X 21 12 50 56.8 36.47N 2.52W 7 3.4,3.3
CRAAG X 21 12 50 56.4 36.44N 2.51W 3.8L,3.3
MDD X 21 12 50 56.2–.30 36.45N 2.49W 10–0 3.6,3.3
IGIL X 21 12 50 57.0 36.47N 2.52W 10 3.3L,3.3
LDG X 21 12 50 57.5–.26 36.49N 2.55W 10–0 3.8L,3.3
ISC Event type ke.
SFS Event type ke.
CNRM Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=142.1.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=130.0.
INMG Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=122.0.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=3.2km s-min=2.6km az=121.0. PRXIMO.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=3.3km az=155.0.
ISC X 26 00 51 22.1–.23 36.54N–.01 2.67W–.02 10 672 0-12
ISCJB X 26 00 51 20.9–.25 36.63N–.02 2.69W–.02 10 **¶11380340**
NEIC X 26 00 51 21.4–.51 36.43N 2.56W 10 3.4L,3.3
LDG X 26 00 51 22.8–.23 36.40N 2.62W 10–0 3.4L,3.3
MDD X 26 00 51 22.6–.45 36.47N 2.57W 7–3 3.6,3.3
INMG X 26 00 51 22.7–1.7 36.47N 2.58W 7–3 3.7,3.4L
SFS X 26 00 51 22.0 36.47N 2.57W 8 3.4L,3.4L
CSEM X 26 00 51 22.0–.15 36.53N 2.64W 8 4.0W,3.9L
CRAAG X 26 00 51 22.3 36.46N 2.59W 4.0W,3.9L
IGIL X 26 00 51 23.5 36.47N 2.57W 8 3.5L,3.9L
CNRM X 26 00 51 26.0 36.30N 2.26W 30 3.7,3.9L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.8km az=159.6.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.2km az=164.0.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=157.0.
MDD Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=136.0. EMS: III ALMERIA, EL EJIDO, LA MOJONERA. PRIMO.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.3km az=126.0.
SFS Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=148.0.
CNRM Event type ke.
ISC XI 06 03 41 15.5–.35 36.78N–.02 7.41W–.02 10 380 1-12
CNRM XI 06 03 41 10.0 36.88N 8.08W 35 3.3 **¶11456241**
ISCJB XI 06 03 41 15.9–.41 36.87N–.03 7.34W–.02 10 3.3
MDD XI 06 03 41 16.7–1.0 36.61N 7.55W 24–10 2.9
SFS XI 06 03 41 16.0 36.60N 7.53W 23 2.8L
NEIC XI 06 03 41 16.6 36.61N 7.54W 23 2.8
IGIL XI 06 03 41 16.2 36.58N 7.57W 17 2.9L
INMG XI 06 03 41 17.9–1.2 36.63N 7.57W 26–5 2.8L
CSEM XI 06 03 41 18.2–.21 36.74N 7.45W 40 3.7L
LDG XI 06 03 41 18.0–.30 36.85N 7.32W 30–0 3.3L
ISC Event type ke.
CNRM Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=1.8km az=26.1.
MDD Error ellipse: s-maj=7.0km s-min=3.5km az=29.0. PRIMO.
SFS Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.3km az=33.0.
LDG Event type ke. Error ellipse: s-maj=6.8km s-min=3.4km az=27.0.
ISC XI 07 11 02 50.9–.20 36.50N–.02 2.67W–.02 10 3.8b,3.5s 490 1-77
ISCJB XI 07 11 02 49.3–.20 36.52N–.02 2.67W–.02 10 3.8b,3.5s **¶11456249**
IDC XI 07 11 02 50.2–.95 36.33N 2.70W 0 3.8,3.7b
CSEM XI 07 11 02 50.4–.13 36.48N 2.64W 5 4.2L,4.2L
CRAAG XI 07 11 02 51.6 36.47N 2.60W 3.8L,4.2L
IGIL XI 07 11 02 51.9 36.48N 2.59W 4 3.8L,4.2L
MDD XI 07 11 02 51.2–.28 36.45N 2.55W 10–0 4.1,4.2L
SFS XI 07 11 02 51.0 36.40N 2.50W 4 4.1L,4.2L
NEIC XI 07 11 02 51.6 36.47N 2.60W 4 3.8,4.2L
LDG XI 07 11 02 52.1–.23 36.47N 2.64W 2–0 4.3L,4.2L
INMG XI 07 11 02 52.1–1.4 36.35N 2.63W 20–4 3.8L,4.2L
CNRM XI 07 11 02 56.6 36.22N 2.56W 30 4.1,4.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.8km az=174.0.
IDC Error ellipse: s-maj=23.3km s-min=14.3km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=149.0.
MDD Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=120.0. EMS: Sentido en Almer capital. PRIMO.
SFS Event type ke.
NEIC Event type se. After MDD.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=2.6km az=156.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=170.0.
CNRM Event type ke.
ISC XI 08 04 41 21.9–.55 36.63N–.03 2.65W–.02 19–3 253 0-7
SFS XI 08 04 41 20.0 36.47N 2.55W 15 2.7L **¶11490405**
MDD XI 08 04 41 20.7–.48 36.47N 2.55W 14–4 2.7
NEIC XI 08 04 41 20.8 36.48N 2.56W 15 2.7
CRAAG XI 08 04 41 20.0 36.43N 2.50W 3.0L
INMG XI 08 04 41 21.9–1.4 36.44N 2.64W 17–3 2.6L
CSEM XI 08 04 41 22.1–.28 36.64N 2.63W 20 3.0L
ISC Event type ke.
SFS Event type ke.
MDD Error ellipse: s-maj=4.4km s-min=3.0km az=139.0. PRIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=78.0.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=3.4km az=164.0.
INMG XI 09 12 38 41.8–1.1 36.59N 7.25W 18–4 1.4L
MDD XI 09 12 38 41.1–1.3 36.51N 7.21W 47–46 3.3b **¶14555697**
CSEM XI 09 12 38 41.3–.25 36.59N 7.19W 40 2.5L
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=4.4km az=62.0.
MDD Error ellipse: s-maj=14.6km s-min=7.8km az=5.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=6.0.
ISC XI 15 06 58 42.1–.51 36.43N–.03 7.72W–.03 10 340 1-10
CNRM XI 15 06 58 40.2 36.15N 8.11W 30 3.1 **¶11474888**
ISCJB XI 15 06 58 41.0–.55 36.43N–.03 7.68W–.03 10 3.1
MDD XI 15 06 58 42.0–.62 36.17N 7.93W 40–31 4.0b
NEIC XI 15 06 58 42.6 36.31N 7.87W 19 2.8
CSEM XI 15 06 58 43.1–.25 36.40N 7.75W 20 3.5L
IGIL XI 15 06 58 43.2 36.30N 7.91W 17 2.9L
LDG XI 15 06 58 43.7–.18 36.25N 7.87W 25–0 3.4L
INMG XI 15 06 58 43.8–1.1 36.32N 7.91W 18–4 2.7L
ISC Event type ke.
CNRM Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.3km az=28.9.
MDD Error ellipse: s-maj=7.0km s-min=4.6km az=56.0. PRIMO.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=2.4km az=31.0.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=1.8km az=28.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.8km az=23.0.
ISC XI 27 21 23 27.2–.83 36.95N–.04 7.12W–.03 33–7 92 1-5
CSEM XI 27 21 23 26.3–.26 36.97N 7.09W 22–2 2.5L **¶14556034**
INMG XI 27 21 23 27.2–1.3 36.92N 7.13W 18–3 1.7L
MDD XI 27 21 23 27.0–.78 36.92N 7.15W 21–2 1.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.7km az=12.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=9.0.
MDD Error ellipse: s-maj=7.4km s-min=4.2km az=22.0. PRIMO.
MDD XII 11 21 06 24.1–.25 36.74N 5.78W 15–1 2.7
CSEM XII 11 21 06 22.7–.18 36.79N 5.77W 15 3.2L **¶12077000**
SFS XII 11 21 06 23.0 36.73N 5.78W 0 2.7L
INMG XII 11 21 06 24.3–1.4 36.75N 5.78W 17–3 2.6L
MDD Error ellipse: s-maj=3.4km s-min=1.8km az=24.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.0km az=6.0.
SFS Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=22.0.
ISC XII 14 20 50 34.7–.51 36.89N–.03 2.94W–.02 5–3 130 0-7
ISCJB XII 14 20 50 33.8–.48 36.95N–.03 2.99W–.02 2–3 **¶12077494**
CSEM XII 14 20 50 34.4–.24 36.88N 2.94W 2 3.1L
LDG XII 14 20 50 34.9–.21 36.79N 2.92W 2–0 3.0L
MDD XII 14 20 50 35.3–.22 36.84N 2.92W 0 2.6
INMG XII 14 20 50 35.2–1.3 36.83N 2.93W 1–3 2.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=5.9km s-min=3.2km az=170.8.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=3.2km az=164.0.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=155.0.
MDD Event type fe. Error ellipse: s-maj=2.2km s-min=1.7km az=13.0. EMS: III BERJA. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=146.0.
ISC XII 24 04 48 54.3–.29 36.53N–.02 2.66W–.02 10 287 0-7
ISCJB XII 24 04 48 53.5–.31 36.60N–.02 2.72W–.02 10 **¶11593889**
CRAAG XII 24 04 48 54.3 36.40N 2.50W 3.2L
LDG XII 24 04 48 54.5–.34 36.43N 2.67W 10–0 3.7L
IGIL XII 24 04 48 55.3 36.47N 2.56W 0 3.4L
SFS XII 24 04 48 55.0 36.46N 2.53W 6 3.0L
MDD XII 24 04 48 55.3–.32 36.48N 2.56W 11–0 3.0
CSEM XII 24 04 48 55.2–.21 36.55N 2.62W 14 3.5L
INMG XII 24 04 48 55.3–1.5 36.47N 2.54W 18–2 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=171.7.
LDG Event type ke. Error ellipse: s-maj=6.6km s-min=4.6km az=157.0.
SFS Event type ke.
MDD Error ellipse: s-maj=3.2km s-min=2.4km az=115.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=169.0.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=120.0.
MDD XII 24 04 53 31.8–.49 36.46N 2.52W 11–0 2.5
SFS XII 24 04 53 31.0 36.46N 2.53W 10 2.5L **¶11593890**
CSEM XII 24 04 53 31.3–.25 36.52N 2.54W 15 2.8L
INMG XII 24 04 53 32.0–1.2 36.45N 2.55W 11–3 2.0L
LDG XII 24 04 53 32.2–.20 36.47N 2.57W 10–0 2.6L
MDD Error ellipse: s-maj=4.3km s-min=3.1km az=142.0. PRXIMO.
SFS Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=160.0.
INMG Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=109.0.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=156.0.
MDD XII 25 18 20 03.3–.36 35.20N 3.89W 15–2 1.6
INMG XII 25 18 20 04.7–.94 35.42N 3.98W 0–0 1.6 **¶12078954**
CSEM XII 25 18 20 05.0–.36 35.44N 4.00W 10 1.5L
MDD Error ellipse: s-maj=8.1km s-min=3.7km az=67.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=160.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=4.2km az=11.0.

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ISC VII 23 09 23 33.7–.41 37.16N–.03 3.63E–.03 10 247 1-9
CRAAG VII 23 09 23 29.9 36.98N 3.69E 3.1L ¶11163232
NEIC VII 23 09 23 29.8–2.5 36.86N 3.87E 10 4.3
MDD VII 23 09 23 32.2–.47 37.03N 3.71E 0 4.1b
ISCJB VII 23 09 23 32.2–.41 37.22N–.03 3.65E–.03 10 4.1b
CSEM VII 23 09 23 34.1–.29 37.19N 3.70E 10 3.1L
LDG VII 23 09 23 36.3–.20 37.23N 3.41E 20–0 3.2L
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=11.7km az=167.0.
MDD Event type fe. Error ellipse: s-maj=6.5km s-min=5.0km az=31.0. EMS: IV INTENSIDAD MAXIMA-CRAAG.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.8km az=40.6.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=6.4km az=45.0.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.2km az=162.0.
ISC VII 23 20 14 22.7–.69 36.05N–.04 0.64W–.04 10 106 0-6
ISCJB VII 23 20 14 21.8–.69 36.07N–.04 0.63W–.04 10 ¶13389929
MDD VII 23 20 14 22.3–.46 35.94N 0.70W 0 3.6b,2.3
CSEM VII 23 20 14 22.3–.23 35.98N 0.66W 10 2.3L,2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.8km az=160.7.
MDD Error ellipse: s-maj=7.3km s-min=4.4km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=76.0.
ISC VII 24 14 14 42.9–.46 37.15N–.03 3.74E–.04 10 180 1-9
CRAAG VII 24 14 14 38.3 37.11N 3.86E 3.3L ¶11230854
CSEM VII 24 14 14 40.7–.25 37.03N 3.84E 2 3.3L
ISCJB VII 24 14 14 41.7–.46 37.16N–.03 3.70E–.04 10 3.3L
MDD VII 24 14 14 41.3–.47 37.02N 3.84E 0 4.5b
NEIC VII 24 14 14 43.1 37.12N 3.80E 0 4.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=5.4km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.1km az=139.0.
MDD Error ellipse: s-maj=6.8km s-min=4.5km az=63.0.
NEIC Event type se. After MDD.
ISC VII 25 01 38 59.1–.42 37.04N–.03 5.60E–.04 10 207 1-8
ISCJB VII 25 01 38 57.8–.43 37.11N–.03 5.57E–.04 10 ¶11163251
MDD VII 25 01 38 58.8–.38 36.86N 5.53E 0 3.6b
CSEM VII 25 01 38 58.7–.20 36.87N 5.55E 10 2.9L
CRAAG VII 25 01 39 01.9 36.51N 5.65E 3.2L
LDG VII 25 01 39 01.3–.31 36.80N 5.66E 25–0 3.0L
NEIC VII 25 01 39 01.3 36.89N 5.32E 0 3.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=140.2.
MDD Error ellipse: s-maj=7.1km s-min=3.8km az=57.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.0km az=50.0.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=148.0.
NEIC Event type se. After MDD.
ISC VIII 25 02 15 06.5–.66 36.03N–.04 0.60W–.04 10 177 0-8
NEIC VIII 25 02 15 02.4–2.9 35.69N 0.44W 10 3.7 ¶12100222
ISCJB VIII 25 02 15 05.6–.68 36.08N–.04 0.57W–.04 10 3.7
MDD VIII 25 02 15 06.0–1.8 35.76N 0.44W 31–16 4.0b
CSEM VIII 25 02 15 06.1–.47 35.90N 0.52W 20 3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=34.5km s-min=7.9km az=157.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.4km az=156.6.
MDD Error ellipse: s-maj=24.6km s-min=8.3km az=157.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=7.0km az=150.0.
ISC IX 14 15 12 48.8–.94 37.01N–.06 3.20E–.09 8–13 146 0-6
CRAAG IX 14 15 12 46.5 36.82N 3.31E 3.5L ¶11329902
MDD IX 14 15 12 47.9–.88 36.91N 3.38E 3–11 4.1b
CSEM IX 14 15 12 47.2–.29 36.93N 3.39E 2 3.5L
NEIC IX 14 15 12 51.6 37.12N 3.10E 0 3.8
ISC Event type ke.
MDD Error ellipse: s-maj=9.5km s-min=6.5km az=8.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=5.1km az=82.0.
NEIC Event type se. After MDD.
ISC X 03 10 32 28.5–1.6 36.13N–.07 0.81W–.06 13–17 52 0-4
ISCJB X 03 10 32 28.2–.57 36.17N–.04 0.83W–.04 10 ¶11415131
CSEM X 03 10 32 28.6–.19 36.16N 0.81W 10 3.3L
CRAAG X 03 10 32 28.4 35.78N 0.45W 3.3L
MDD X 03 10 32 29.4–1.9 36.21N 0.83W 0 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=43.3.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.6km az=47.0.
MDD Error ellipse: s-maj=17.7km s-min=9.6km az=151.0. PRXIMO.
LDG X 07 23 49 10.6–.15 42.76N 7.64E 10–0 2.1,1.9L ¶15611938
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=1.8km az=28.0.
ISC XI 26 09 03 24.1–1.2 37.03N–.06 3.57E–.09 18–10 40 0-5
CRAAG XI 26 09 03 22.4 36.82N 3.73E 3.5L ¶11490460
ISCJB XI 26 09 03 23.5–1.3 37.09N–.07 3.56E–.09 20–18 3.5L
CSEM XI 26 09 03 24.7–.35 36.96N 3.53E 20 4.5b
MDD XI 26 09 03 27.1–3.1 37.24N 3.55E 0 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=11.2km az=44.9.
CSEM Event type ke. Error ellipse: s-maj=11.2km s-min=7.0km az=87.0.
MDD Error ellipse: s-maj=27.7km s-min=20.8km az=150.0. PRIMO.
ISC XII 04 02 18 50.8–.35 37.00N–.02 4.08E–.02 10 546 1-24
IDC XII 04 02 18 48.1–1.8 36.85N 4.29E 0 3.9L,3.4 ¶12075670
ISCJB XII 04 02 18 48.4–.30 37.03N–.02 4.10E–.02 10 3.9L,3.4
CRAAG XII 04 02 18 48.7 37.07N 4.23E 2.6L,3.4
NEIC XII 04 02 18 49.2–.65 36.84N 4.25E 10 4.4,3.4
MDD XII 04 02 18 50.7–.89 36.85N 4.23E 12–9 4.5b,3.4
CSEM XII 04 02 18 51.4–.19 36.84N 4.25E 30 2.6L,3.4
INMG XII 04 02 18 53.4–1.9 36.96N 4.08E 20–25 2.6L,3.4
LDG XII 04 02 18 55.2–.25 37.07N 3.64E 20–0 3.4L,3.4
STR XII 04 02 19 01.8–.42 37.76N 4.38E 5–0 3.4L,3.4
ISC Event type fe.
IDC Error ellipse: s-maj=30.7km s-min=27.0km az=168.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.4km az=152.4.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.2km az=146.0.
MDD Event type fe. Error ellipse: s-maj=6.3km s-min=4.1km az=9.0. EMS: V INTENSIDAD MAXIMA-CRAAG. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=167.0.
INMG Event type ke. Error ellipse: s-maj=23.2km s-min=5.2km az=122.0.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=140.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

(389) Tyrrhenian Sea.

ISC VII 05 23 26 14.0–.57 40.37N–.03 13.12E–.03 17–6 102 0-4
CSEM VII 05 23 26 13.6–.30 40.34N 13.12E 20 4.1L ¶13656698
ROM VII 05 23 26 18.5–.29 40.54N 13.29E 4–2 2.9L
ISCJB VII 05 23 26 19.8–.96 40.52N–.04 13.28E–.04 17–8 2.9L
ISC Event type ke.
CSEM Event type ke.
ROM Event type ke.
ISCJB Event type ke.

(390) Southern Italy.

ISC VII 06 10 09 15.0–.49 41.83N–.04 15.56E–.03 9–5 67 0-3
ROM VII 06 10 09 13.6–.25 41.88N 15.61E 3–2 2.8,2.6L ¶13656704
ISCJB VII 06 10 09 14.5–.47 41.83N–.04 15.56E–.03 10–5 2.8,2.6L
CSEM VII 06 10 09 14.4–.22 41.86N 15.61E 2 2.8,2.6L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=1.5km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.7km az=15.2.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=21.0.
ROM VII 09 17 43 32.7–.10 38.97N 16.23E 10–0 3.2L,3.0
CSEM VII 09 17 43 31.8–.21 39.03N 16.15E 15 3.9L,3.0 ¶13656762
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=93.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=95.0.
ISC VII 09 23 08 27.7–.35 38.96N–.03 16.20E–.04 14–4 77 0-6
CSEM VII 09 23 08 26.8–.21 39.03N 16.14E 2 3.8L ¶12951144
ISCJB VII 09 23 08 27.2–.34 38.95N–.03 16.20E–.04 14–4 3.8L
ROM VII 09 23 08 27.2–.21 38.97N 16.23E 9–2 3.2L
NEIC VII 09 23 08 27.2 38.97N 16.23E 9 3.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=3.9km az=25.9.
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=79.0.
NEIC Event type se. After ROM.
ISC VII 10 01 45 45.6–.38 38.96N–.03 16.21E–.05 16–5 55 0-2
CSEM VII 10 01 45 44.9–.18 39.00N 16.17E 15 3.5L ¶12951170
ISCJB VII 10 01 45 45.1–.39 38.96N–.03 16.20E–.05 14–5 3.5L
ROM VII 10 01 45 45.3–.20 38.97N 16.24E 9–2 3.0L,2.9
NEIC VII 10 01 45 45.3 38.97N 16.24E 9 3.0L,2.9
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=24.4.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=80.0.
NEIC Event type se. After ROM.
ISC VII 10 12 50 20.0–.29 38.97N–.02 16.22E–.03 12–3 112 0-5
ISCJB VII 10 12 50 19.3–.30 38.98N–.02 16.20E–.03 10–3 ¶12951186
ROM VII 10 12 50 19.6–.18 38.96N 16.24E 9–1 3.5L,3.1
CSEM VII 10 12 50 19.1–.19 39.01N 16.16E 10 3.5L,3.1
NEIC VII 10 12 50 19.6 38.96N 16.24E 9 3.5L,3.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.5km az=29.2.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=99.0.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=3.0km az=102.0. After ROM.
NEIC Event type fe. Felt at Cosenza and Lamezia Terme. After ROM.
ISC VII 17 08 11 25.7–.89 39.49N–.03 16.31E–.09 101–8 57 0-2
ISCJB VII 17 08 11 25.4–.86 39.49N–.03 16.31E–.09 101–7 ¶13657008
CSEM VII 17 08 11 25.0–.28 39.43N 16.10E 100 3.7L
ROM VII 17 08 11 26.4–.28 39.47N 16.22E 93–5 2.6,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=5.3km az=6.2.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=5.3km az=86.0.
ROM Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=105.0.
IDC VII 18 03 53 05.0–3.7 39.54N 15.14E 0 4.2L,3.5 ¶12698280
IDC Error ellipse: s-maj=65.1km s-min=41.2km az=14.0.
ROM VII 20 12 23 23.0–.21 41.92N 15.63E 1–0 2.6,2.2L
CSEM VII 20 12 23 23.0–.44 41.96N 15.65E 2 3.1L,2.2L ¶13657058
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.2km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=3.3km az=19.0.
ISC VII 21 02 15 40.5–.30 41.77N–.02 15.09E–.02 11–2 126 0-3
ISCJB VII 21 02 15 39.9–.31 41.78N–.02 15.09E–.02 9–3 ¶13657070
CSEM VII 21 02 15 39.7–.17 41.76N 15.08E 10 3.6L
ROM VII 21 02 15 40.2–.10 41.78N 15.10E 13–2 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=9.2.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=19.0.
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=3.0.
ISC VII 28 23 25 54.7–.27 41.49N–.02 14.31E–.02 7–3 114 0-6
ISCJB VII 28 23 25 54.1–.27 41.50N–.02 14.32E–.02 11–2 ¶13657206
ROM VII 28 23 25 54.0–.08 41.50N 14.32E 9–1 3.0L
CSEM VII 28 23 25 54.3–.12 41.50N 14.32E 2 3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=34.6.
ROM Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=49.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=25.0.
ISC VII 29 21 26 44.4–.22 38.23N–.02 16.47E–.02 69–3 3.6b 252 0-63
IDC VII 29 21 26 38.5–1.4 38.45N 16.69E 0 4.2L,3.7b ¶11163299
ISCJB VII 29 21 26 43.2–.21 38.22N–.02 16.52E–.02 74–3 3.6b,3.7b
PDG VII 29 21 26 43.1–.18 38.17N 16.85E 50–95 3.7L,3.7b
ROM VII 29 21 26 43.7–.14 38.16N 16.47E 70–1 3.5L,3.7b
NEIC VII 29 21 26 44.4 38.18N 16.47E 61 3.2,3.7b
CSEM VII 29 21 26 44.0–.13 38.31N 16.36E 73–2 3.9L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=25.1km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=138.8.
PDG Event type ke. Error ellipse: s-maj=2.9km s-min=9.9km az=0.0.
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=1.3km az=118.0.
NEIC Event type se. After ROM.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=149.0.
ISC VIII 11 01 03 03.4–1.2 40.06N–.03 17.72E–.07 10 34 1-3
ISCJB VIII 11 01 03 03.3–1.1 40.06N–.03 17.66E–.07 10 ¶13657474
ROM VIII 11 01 03 03.1–.37 40.08N 17.69E 4–0 2.3,2.2L
CSEM VIII 11 01 03 03.3–.52 40.06N 17.64E 40 3.3L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=4.1.
ROM Event type ke. Error ellipse: s-maj=4.3km s-min=2.1km az=84.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=4.7km az=97.0.
ISC VIII 11 08 44 43.9–.24 39.28N–.02 15.23E–.04 286–2 3.8b 297 1-68
LDG VIII 11 08 44 19.8–2.6 38.60N 17.79E 300–0 4.0b ¶13391399
ROM VIII 11 08 44 42.1–.30 39.25N 15.29E 293–4 3.5L
ISCJB VIII 11 08 44 42.9–.24 39.28N–.02 15.24E–.05 293–2 3.8b
IDC VIII 11 08 44 42.1–1.3 39.44N 14.99E 265–14 3.3b,3.3
NEIC VIII 11 08 44 43.9–.72 39.41N 15.31E 286–7 3.9b,3.3
CSEM VIII 11 08 44 44.1–.19 39.39N 15.23E 292–3 3.9b,3.3
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=64.8km s-min=27.5km az=123.0.
ROM Event type ke. Error ellipse: s-maj=4.9km s-min=2.4km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.7km az=170.0.
IDC Error ellipse: s-maj=18.7km s-min=9.4km az=100.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.4km az=204.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.4km az=87.0.
ISC VIII 12 21 21 55.1–.21 41.42N–.01 15.67E–.02 18–2 152 0-8
VIE VIII 12 21 21 53.9–.45 41.53N 15.80E 10–0 3.3s,3.0b ¶13657515
ISCJB VIII 12 21 21 55.0–.22 41.44N–.02 15.69E–.02 27–2 3.3s,3.0b
ROM VIII 12 21 21 54.2–.13 41.41N 15.68E 4–1 3.0L,3.0b
CSEM VIII 12 21 21 54.5–.12 41.41N 15.66E 20 3.9L,3.3s
ISC Event type ke.
VIE Error ellipse: s-maj=9.3km s-min=3.9km az=81.0. 100 km WNW of Bari .
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=34.4.
ROM Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=40.0.
ROM VIII 21 01 08 33.6–.11 41.37N 16.20E 35–1 2.4,2.0L
CSEM VIII 21 01 08 32.3–.30 41.35N 16.18E 58–5 2.7L,2.0L ¶13657683
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.7km az=45.0.
ROM IX 10 11 30 47.8–.11 39.18N 17.13E 22–1 3.1L
CSEM IX 10 11 30 45.7–.47 39.19N 17.10E 30 3.1L ¶13897627
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=139.0.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=5.4km az=113.0.
ISC IX 10 11 45 27.8–.91 39.24N–.03 17.34E–.08 15–8 75 0-5
ISCJB IX 10 11 45 26.4–.68 39.25N–.03 17.37E–.05 10 ¶13897628
CSEM IX 10 11 45 27.1–.50 39.22N 17.38E 10 3.6L
ROM IX 10 11 45 30.3–.21 39.22N 17.22E 21–2 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.3km az=26.3.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=4.7km az=111.0.
ROM Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=86.0.
ISC IX 11 04 41 15.5–.97 39.08N–.07 17.35E–.07 10 22 1-4
ISCJB IX 11 04 41 14.5–.97 39.08N–.07 17.36E–.07 10 ¶13897645
CSEM IX 11 04 41 15.1–.68 39.16N 17.32E 10 2.6
ROM IX 11 04 41 16.1–.27 39.09N 17.30E 10–0 2.6,1.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=4.6km az=146.7.
CSEM Event type ke. Error ellipse: s-maj=23.3km s-min=8.4km az=142.0.
ROM Event type ke. Error ellipse: s-maj=5.0km s-min=2.3km az=149.0.
ISC IX 12 01 07 42.6–.54 39.25N–.02 17.23E–.04 1–6 135 0-8

THE	IX	12 01 07 41.4	39.13N	17.12E	0–9	3.0L		¶11346202
CSEM	IX	12 01 07 42.4–.14	39.24N	17.22E	2	3.6L		
ROM	IX	12 01 07 43.9–.17	39.18N	17.22E	24–1	3.1,3.1L		
TIR	IX	12 01 07 44.3	39.72N	17.30E	4	4.0L,3.1L		
SKO	IX	12 01 07 51.9	39.53N	18.08E	1	4.0L,3.1L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=15.3km s-min=1.9km az=257.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=167.0.							
ROM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=118.0.							
ISC	**IX**	**12 20 12 13.5–.72**	**39.20N–.03**	**17.21E–.05**	**19–5**		**85**	**0-6**
ISCJB	IX	12 20 12 12.0–.78	39.17N–.03	17.27E–.05	12–6			¶13897684
ROM	IX	12 20 12 11.1–.38	39.17N	17.37E	10–0	3.1L		
CSEM	IX	12 20 12 11.9–.32	39.22N	17.08E	10	3.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=38.3.							
ROM	Event type ke. Error ellipse: s-maj=6.0km s-min=2.7km az=110.0.							
CSEM	Event type ke. Error ellipse: s-maj=7.7km s-min=5.5km az=119.0.							
ISC	**IX**	**15 00 05 26.3–1.4**	**39.18N–.04**	**17.40E–.09**	**10–7**		**59**	**1-6**
CSEM	IX	15 00 05 23.9–.70	39.19N	17.47E	2	3.7L		¶13897713
ISCJB	IX	15 00 05 26.6–1.4	39.19N–.04	17.41E–.10	16–10	3.7L		
ROM	IX	15 00 05 27.1–.38	39.20N	17.34E	19–5	3.0L,2.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=13.9km s-min=4.8km az=108.0.							
ISCJB	Event type ke. Error ellipse: s-maj=13.5km s-min=5.5km az=21.7.							
ROM	Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=93.0.							
ISC	**IX**	**27 00 45 58.4–.67**	**39.21N–.03**	**17.25E–.04**	**15–6**		**66**	**0-5**
ISCJB	IX	27 00 45 57.0–.73	39.19N–.03	17.31E–.04	8–7			¶13897925
ROM	IX	27 00 45 56.9–.30	39.18N	17.34E	10–0	2.9,2.7L		
CSEM	IX	27 00 45 56.9	39.18N	17.34E	10	2.9,2.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.1km s-min=5.0km az=31.3.							
ROM	Event type ke. Error ellipse: s-maj=4.5km s-min=2.7km az=116.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.							
ISC	**IX**	**27 08 28 27.9–.46**	**39.18N–.02**	**17.19E–.02**	**17–4**		**234**	**0-47**
CSEM	IX	27 08 28 26.1–.13	39.22N	17.20E	2	3.9L		¶11322327
PDG	IX	27 08 28 27.3–.79	39.17N	17.27E	20–2	4.0L		
ROM	IX	27 08 28 27.1–.25	39.18N	17.21E	10–0	3.6L		
NEIC	IX	27 08 28 27.0	39.19N	17.22E	10	4.0L,3.6L		
IDC	IX	27 08 28 29.8–1.4	39.35N	15.53E	0	3.8b,3.8		
THE	IX	27 08 28 29.1	39.18N	17.21E	31–61	3.9L,3.8		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=174.0.							
PDG	Event type ke. Error ellipse: s-maj=1.2km s-min=1.4km az=0.0.							
ROM	Event type ke. Error ellipse: s-maj=4.0km s-min=2.2km az=109.0.							
NEIC	Event type se. After ROM.							
IDC	Error ellipse: s-maj=37.6km s-min=18.2km az=93.0.							
THE	Event type ke. Error ellipse: s-maj=61.5km s-min=2.5km az=0.0.							
ISC	**X**	**09 03 10 12.5–.45**	**41.79N–.02**	**15.78E–.03**	**11–3**		**109**	**0-3**
NEIC	X	09 03 10 10.9	41.86N	15.79E	8	2.5L		¶13396449
ROM	X	09 03 10 10.9–.34	41.86N	15.79E	8–1	2.8,2.5L		
ISCJB	X	09 03 10 11.7–.43	41.79N–.02	15.81E–.03	10	2.8,2.5L		
CSEM	X	09 03 10 12.4–.24	41.76N	15.76E	10	3.3L,2.5L		
ISC	Event type ke.							
NEIC	Event type se. After ROM.							
ROM	Event type ke. Error ellipse: s-maj=3.7km s-min=2.0km az=23.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=43.3.							
CSEM	Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=33.0.							
ISC	**X**	**11 12 58 31.1–.20**	**41.97N–.01**	**14.01E–.02**	**7–2**		**313**	**0-9**
CSEM	X	11 12 58 30.7–.09	41.99N	14.02E	2	3.7L		¶11349051
NEIC	X	11 12 58 30.2	41.97N	14.03E	14	3.3L,3.1L		
ROM	X	11 12 58 30.2–.07	41.97N	14.03E	14–1	3.3,3.3L		
ISCJB	X	11 12 58 31.3–.20	41.97N–.02	14.01E–.02	17–2	3.3,3.3L		
LDG	X	11 12 58 33.5–.22	41.87N	13.99E	10–0	3.1L,3.3L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=43.0.							
NEIC	Event type se. After ROM.							
ROM	Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=35.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=41.2.							
LDG	Event type ke. Error ellipse: s-maj=9.6km s-min=4.7km az=40.0.							
ISC	**X**	**24 18 47 54.4–.21**	**38.61N–.02**	**16.47E–.02**	**41–5**	**3.8b**	**192**	**0-48**
IDC	X	24 18 47 49.6–1.5	38.76N	16.64E	0	3.8b,3.8		¶12071017
CSEM	X	24 18 47 52.5–.14	38.74N	16.23E	35	4.0L,3.8		
ISCJB	X	24 18 47 53.3–.21	38.60N–.02	16.53E–.02	48–4	3.8b,3.8		
ROM	X	24 18 47 53.8–.13	38.59N	16.47E	37–1	3.4L,3.8		
THE	X	24 18 47 58.0	38.65N	16.85E	35–34	3.2L,3.8		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=42.7km s-min=15.1km az=140.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=144.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=146.9.							
ROM	Event type ke. Error ellipse: s-maj=3.2km s-min=1.5km az=118.0.							
THE	Event type ke. Error ellipse: s-maj=34.6km s-min=1.5km az=82.0.							
ISC	**XI**	**02 17 27 17.9–.46**	**41.78N–.03**	**16.00E–.03**	**26–3**		**121**	**0-3**
ISCJB	XI	02 17 27 17.5–.46	41.80N–.03	16.01E–.03	27–3			¶13898645
CSEM	XI	02 17 27 17.0–.23	41.75N	16.04E	20	3.7L		
ROM	XI	02 17 27 17.3–.17	41.76N	16.01E	28–1	2.8L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=35.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.8km s-min=3.1km az=29.0.							
ROM	Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=29.0.							
ISC	**XI**	**09 18 03 01.0–.39**	**41.98N–.03**	**15.19E–.03**	**27–3**		**108**	**0-3**
ISCJB	XI	09 18 03 00.7–.38	41.99N–.03	15.20E–.03	28–3			¶13898905
CSEM	XI	09 18 03 00.6–.16	41.96N	15.19E	24–1	3.2L		
ROM	XI	09 18 03 00.1–.24	42.00N	15.21E	8–1	2.7,2.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=3.2km az=8.4.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=12.0.							
ROM	Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=16.0.							
ISC	**XI**	**14 01 59 21.3–.29**	**40.56N–.02**	**15.84E–.02**	**10–3**		**101**	**0-4**
ISCJB	XI	14 01 59 20.6–.30	40.56N–.02	15.84E–.02	15–3			¶13899145
ROM	XI	14 01 59 20.8–.08	40.55N	15.85E	16–2	2.8,2.8L		
CSEM	XI	14 01 59 20.9–.12	40.56N	15.85E	10	3.3L,2.8L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=23.7.							
ROM	Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=108.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=146.0.							
ROM	**XI**	**17 00 13 57.2–.11**	**40.51N**	**15.82E**	**10–1**	**1.7**		
CSEM	XI	17 00 13 57.2	40.51N	15.82E	10	1.7		¶13899244
ROM	Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=62.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.							
ISC	**XI**	**20 14 09 19.5–.15**	**39.26N–.01**	**17.34E–.02**	**10**	**4.0b,3.7s**	**544**	**0-125**
ISCJB	XI	20 14 09 18.0–.15	39.29N–.01	17.35E–.02	10	4.1b,3.7s		¶13400690
LDG	XI	20 14 09 17.8–.18	39.21N	17.55E	10–0	3.5L,3.7s		
IDC	XI	20 14 09 17.5–.80	39.22N	17.14E	0	4.0,4.0L		
PDG	XI	20 14 09 18.3–.91	39.11N	17.61E	25–3	4.2L,4.2		
PRU	XI	20 14 09 19.3	39.41N	17.34E	0	4.2,4.2		
MOS	XI	20 14 09 19.1–.98	39.48N	17.10E	10	4.3b,4.2		
NEIC	XI	20 14 09 19.0	39.14N	17.50E	27	4.2b,4.0L		
CSEM	XI	20 14 09 19.4–.11	39.25N	17.31E	12	4.3L,4.2b		
THE	XI	20 14 09 19.9	39.16N	17.21E	32–51	4.0L,4.2b		
ROM	XI	20 14 09 20.6–.31	39.17N	17.37E	27–3	4.0L,4.2b		
SKO	XI	20 14 09 40.1	40.52N	18.75E	0	4.0L,4.2b		
ISC	Event type fe.							
ISCJB	Event type fe. Error ellipse: s-maj=1.9km s-min=1.7km az=136.9.							
LDG	Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=128.0.							
IDC	Error ellipse: s-maj=16.1km s-min=13.9km az=85.0.							
PDG	Event type ke. Error ellipse: s-maj=1.5km s-min=3.1km az=0.0.							
MOS	Error ellipse: s-maj=8.9km s-min=4.9km az=82.3.							
NEIC	Event type fe. Felt [III] at Crotone. After ROM.							
CSEM	Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=32.0.							
THE	Event type ke. Error ellipse: s-maj=51.1km s-min=2.2km az=0.0.							
ROM	Event type ke. Error ellipse: s-maj=4.2km s-min=1.9km az=101.0.							

ISC	**XI**	**20 15 56 30.5–.59**	**39.20N–.03**	**17.39E–.04**	**16–5**		**69**	**1-9**
CSEM	XI	20 15 56 28.8–.44	39.13N	17.41E	20			¶13899422
ISCJB	XI	20 15 56 30.4–1.1	39.19N–.03	17.48E–.04	23–12			
ROM	XI	20 15 56 30.8–.27	39.16N	17.43E	23–4	2.7L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=10.3km s-min=4.7km az=118.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=5.0km az=13.2.							
ROM	Event type ke. Error ellipse: s-maj=6.1km s-min=2.9km az=117.0.							
IDC	**XI**	**28 21 59 44.1–12**	**40.07N**	**14.55E**	**388–47**	**3.2b,3.1**		
								¶12075191
IDC	Error ellipse: s-maj=194.0km s-min=40.7km az=36.0.							
ISC	**XII**	**09 12 55 27.1–.47**	**39.08N–.03**	**17.07E–.05**	**17–6**	**3.6b**	**161**	**0-47**
IDC	XII	09 12 55 24.3–1.3	39.12N	17.13E	0	3.7,3.6L		¶12076546
CSEM	XII	09 12 55 25.9–.17	39.12N	17.08E	5	3.3L,3.6L		
ROM	XII	09 12 55 27.0–.27	39.04N	17.20E	20–3	3.3L,3.2		
ISCJB	XII	09 12 55 27.6–.50	39.06N–.03	17.19E–.03	26–5	3.6b,3.2		
NEIC	XII	09 12 55 27.0	39.01N	17.20E	10	3.3L,3.2		
THE	XII	09 12 55 31.4	38.93N	17.35E	31–43	3.6L,3.2		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=32.9km s-min=20.6km az=87.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.6km s-min=3.7km az=176.0.							
ROM	Event type ke. Error ellipse: s-maj=4.7km s-min=2.5km az=99.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=11.4.							
NEIC	Event type se. After ROM.							
THE	Event type ke. Error ellipse: s-maj=43.0km s-min=2.4km az=0.0.							
ISC	**XII**	**10 07 52 04.0–.58**	**39.05N–.03**	**17.14E–.03**	**19–4**	**3.7b**	**129**	**1-72**
IDC	XII	10 07 52 00.3–1.3	39.07N	16.87E	0	3.8,3.7b		¶12076694
ISCJB	XII	10 07 52 03.9–.55	39.06N–.03	17.19E–.03	28–6	3.7b,3.7b		
CSEM	XII	10 07 52 03.4–.17	39.08N	17.05E	20	3.1,3.7b		
ROM	XII	10 07 52 03.0–.22	39.04N	17.19E	10–0	3.4L,3.1		
NEIC	XII	10 07 52 03.0	39.02N	17.23E	10	3.4L,3.1		
THE	XII	10 07 52 06.5	38.99N	17.41E	13–13	3.7L,3.1		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=27.0km s-min=22.8km az=87.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.1km s-min=4.0km az=169.1.							
CSEM	Event type ke. Error ellipse: s-maj=4.6km s-min=3.6km az=161.0.							
ROM	Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=123.0.							
NEIC	Event type se. After ROM.							
THE	Event type ke. Error ellipse: s-maj=17.9km s-min=1.6km az=266.0.							
ISC	**XII**	**17 21 57 45.2–.08**	**39.241N–.01**	**15.461E–.01**	**259–0**	**5.2b**	**3220**	**1-155**
BGS	XII	17 21 57 31.7–2.0	38.07N	15.71E	227–0	4.8b		¶13403072
SZGRF	XII	17 21 57 35.0	38.39N	15.50E	226	4.9b		
BJI	XII	17 21 57 42.5	39.52N	15.35E	254	4.9b,4.7b		
ROM	XII	17 21 57 42.8–.17	39.17N	15.59E	269–2	5.1L,4.7b		
PDG	XII	17 21 57 43.0–1.2	39.25N	15.59E	265–3	5.0,4.9L		
ISCJB	XII	17 21 57 44.4–.08	39.240N–.01	15.491E–.01	262–0	5.2b,4.9L		
PDA	XII	17 21 57 44.9	39.27N	15.49E	257	5.3W,4.9L		
CSEM	XII	17 21 57 44.9–.05	39.26N	15.48E	260–0	5.6L,5.5b		
NEIC	XII	17 21 57 44.8–.08	39.21N	15.44E	257	5.5b,5.3W		
MOS	XII	17 21 57 44.0–.87	39.21N	15.44E	261	5.3b,4.4s		
CRAAG	XII	17 21 57 44.7	39.20N	15.40E		5.3W,4.4s		
BEO	XII	17 21 57 45.7–.70	39.48N	15.43E	0–0	4.8L,4.4s		
TEH	XII	17 21 57 45.0	39.29N	15.49E	261	4.8L,4.4s		
LDG	XII	17 21 57 45.2–.20	39.40N	15.44E	280–0	5.4b,3.8s		
IDC	XII	17 21 57 46.3–.75	39.29N	15.39E	275–7	4.9,4.9		
GCMT	XII	17 21 57 47.2–.20	39.21N	15.50E	266–1	5.2W,4.9		
DJA	XII	17 21 57 51	39.21N	15.71E	310	4.8b,4.9		
ISC	Event type ke.							
BGS	Error ellipse: s-maj=85.5km s-min=53.2km az=-1.0.							
SZGRF	Sicily, Italy.							
ROM	Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=102.0.							
PDG	Event type ke. Error ellipse: s-maj=1.4km s-min=1.9km az=0.0.							
ISCJB	Event type fe. Error ellipse: s-maj=1.6km s-min=1.0km az=10.7.							
CSEM	Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=15.0.							
NEIC	Event type fe. Error ellipse: s-maj=1.8km s-min=1.1km az=16.0. Felt [IV] at Gioia Tauro; [III] at Cittanova, Messina, Reggio de Calabria and Villa San Giovanni. Also felt at Amantea, Avellino, Bari, Cosenza, Palmi, Potenza, Taranto, Taurianova and Vibo Valentia.							
MOS	Error ellipse: s-maj=2.9km s-min=2.2km az=91.1.							
LDG	Event type ke. Error ellipse: s-maj=9.6km s-min=5.4km az=35.0.							
IDC	Error ellipse: s-maj=7.4km s-min=5.3km az=117.0.							
GCMT	Event type se. Data Used: ll lU lC G CN. Moment Tensor Solution. s67,c94; s90,c149; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.29±.16 $M_{\theta\theta}$-0.64±.17; $M_{\phi\phi}$6.93±.17; $M_{r\theta}$-2.16±.17; $M_{\theta\phi}$-1.93±.16; $M_{\phi r}$-5.68±.18; Best double couple: NP1:ϕ_s145.00000°,δ31.00000° ,λ-129.00000°. NP2:ϕ_s8.00000°,δ67.00000°,λ-70.00000°. Principal axes: T 9.1500,Plg19.0000°,Azm83.0000°; N 0.0900,Plg19.0000°,Azm180.0000° ; P -9.2500,Plg63.0000°,Azm311.0000° $M_0$9.20000×10^{16}							
ISC	**XII**	**22 10 58 02.9–.86**	**39.00N–.04**	**17.20E–.06**	**12–8**		**36**	**0-5**
CSEM	XII	22 10 58 00.9–.70	39.01N	17.31E	10	3.7L		¶13900148
ISCJB	XII	22 10 58 01.8–.90	38.98N–.04	17.24E–.06	7–9	3.7L		
ROM	XII	22 10 58 02.4–.41	39.04N	17.22E	10–0	3.0L,2.9		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=13.0km s-min=6.2km az=109.0.							
ISCJB	Event type ke. Error ellipse: s-maj=8.0km s-min=7.3km az=178.8.							
ROM	Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=100.0.							
ISC	**XII**	**30 13 20 33.7–.39**	**39.15N–.05**	**15.61E–.06**	**257–3**	**3.6b**	**173**	**0-73**
ISCJB	XII	30 13 20 33.0–.36	39.19N–.05	15.61E–.06	260–3	3.6b		¶13404418
ROM	XII	30 13 20 33.6–.35	39.13N	15.62E	254–5	3.4L		
CSEM	XII	30 13 20 34.0–.18	39.28N	15.54E	253–2	3.9b		
NEIC	XII	30 13 20 35.2–.66	39.33N	15.55E	260–5	4.0b		
IDC	XII	30 13 20 40.0–2.5	39.60N	15.55E	300–21	3.2b,3.2		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.9km s-min=7.3km az=39.7.							
ROM	Event type ke. Error ellipse: s-maj=8.9km s-min=4.2km az=115.0.							
CSEM	Event type ke. Error ellipse: s-maj=8.3km s-min=7.3km az=102.0.							
NEIC	Event type se. Error ellipse: s-maj=12.9km s-min=6.6km az=196.0.							
IDC	Error ellipse: s-maj=26.4km s-min=14.4km az=17.0.							

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ISC	**VII**	**01 00 18 01.5–.51**	**41.15N–.03**	**20.20E–.04**	**14–7**		**42**	**0-1**
TIR	VII	01 00 17 52.6–5.0	41.12N	20.12E	0–999	3.4L		¶11255399
ISCJB	VII	01 00 18 00.9–.52	41.15N–.03	20.20E–.04	8–6	3.4L		
CSEM	VII	01 00 18 00.9–.25	41.14N	20.18E	10	2.7L		
THE	VII	01 00 18 00.9	41.30N	20.23E	27–1	2.7L		
SKO	VII	01 00 18 01.1	41.14N	20.16E	10	1.8L,1.2		
ISC	Event type ke.							
TIR	Error ellipse: s-maj=304.2km s-min=999.9km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=25.6.							
CSEM	Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=60.0.							
THE	Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=358.0.							
ISC	**VII**	**11 21 50 40.1–.38**	**41.13N–.02**	**20.21E–.03**	**5–3**		**134**	**0-5**
NEIC	VII	11 21 50 39.0	41.09N	20.14E	3	3.2,2.7L		¶11163114
SKO	VII	11 21 50 39.0	41.06N	20.14E	10	2.6L,2.0		
ATH	VII	11 21 50 39.8	41.33N	20.08E	45	3.2,2.0		
THE	VII	11 21 50 39.3	41.19N	20.25E	0–3	3.1L,2.0		
PDG	VII	11 21 50 39.0–.20	41.09N	20.14E	3–0	2.7L,2.0		
ISCJB	VII	11 21 50 39.9–.27	41.13N–.02	20.23E–.02	10	2.7L,2.0		
CSEM	VII	11 21 50 40.2–.19	41.10N	20.22E	2	3.1L,2.0		
ISC	Event type ke.							
NEIC	Event type se. After PDG.							
ATH	Error ellipse: s-maj=6.6km s-min=4.2km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=3.7km s-min=1.2km az=356.0.							
PDG	Event type ke. Error ellipse: s-maj=1.0km s-min=1.6km az=0.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=141.3.							
CSEM	Event type ke. Error ellipse: s-maj=5.8km s-min=3.0km az=53.0.							
ISC	**VII**	**14 07 16 42.3–1.0**	**40.15N–.05**	**19.81E–.08**	**10**		**30**	**0-2**
ATH	VII	14 07 16 38.4	40.25N	19.72E	3–3	3.3		¶12951303
NEIC	VII	14 07 16 38.4	40.25N	19.72E	3	3.3		
CSEM	VII	14 07 16 38.4	40.25N	19.72E	3	3.3		
ISCJB	VII	14 07 16 42.4–.97	40.12N–.05	19.86E–.07	10	3.3		
ISC	Event type ke.							
NEIC	Event type se. After ATH.							

CSEM Event type ke. After ATH.
ISCJB Event type ke.
ISC VII 14 07 24 51.9–1.2 40.20N–.03 19.57E–.07 0–6 65 1-4
ATH VII 14 07 24 51.8 40.19N 19.66E 5–3 3.5 ¶12951302
NEIC VII 14 07 24 51.8 40.19N 19.66E 5 3.5
THE VII 14 07 24 52.3 40.20N 19.53E 6–2 3.5
ISCJB VII 14 07 24 53.1–.92 40.20N–.03 19.66E–.07 10 3.5
CSEM VII 14 07 24 54.2–.64 40.13N 19.71E 2 3.5
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.5km az=134.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=4.2km az=16.1.
CSEM Event type ke. Error ellipse: s-maj=13.9km s-min=6.6km az=104.0.
ISC VII 20 10 36 57.7–.48 40.46N–.02 19.11E–.02 3–4 187 1-6
CSEM VII 20 10 36 56.7–.21 40.39N 19.01E 2 3.9L ¶11163200
ISCJB VII 20 10 36 57.7–.21 40.47N–.02 19.09E–.02 10 3.9L
THE VII 20 10 36 57.6 40.44N 18.99E 12–4 3.8L
ROM VII 20 10 36 58.3–.25 40.47N 19.09E 10–0 3.2L
NEIC VII 20 10 36 58.3 40.43N 19.18E 5 3.1L
PDG VII 20 10 36 58.3–.19 40.43N 19.18E 5–0 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=22.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=27.1.
THE Event type ke. Error ellipse: s-maj=5.3km s-min=1.2km az=278.0.
ROM Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=130.0.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=2.5km az=0.0.
ISC VII 21 09 06 27.5–.76 41.31N–.04 20.46E–.06 10 11 0-1
SKO VII 21 09 06 21.6 41.55N 20.33E 15 2.3L,1.8 ¶11255407
TIR VII 21 09 06 21.5–4.3 41.37N 20.60E 0–32 3.4L,1.8
ISCJB VII 21 09 06 26.6–.76 41.30N–.04 20.45E–.06 10 3.4L,1.8
ISC VII 25 09 12 54.7–.44 41.47N–.03 20.18E–.04 9–6 62 1-2
TIR VII 25 09 12 51.6–3.2 41.49N 20.23E 3–971 3.2L ¶11158502
ISCJB VII 25 09 12 53.7–.45 41.48N–.03 20.16E–.04 1–7 3.2L
CSEM VII 25 09 12 54.6–.36 41.43N 19.99E 2 3.2L
SKO VII 25 09 12 55.2 41.48N 20.21E 9 2.5L,2.0
PDG VII 25 09 12 57.0–.21 41.53N 19.93E 0–11 2.3L,2.0
ISC Event type ke.
TIR Error ellipse: s-maj=6.8km s-min=23.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.6km az=137.7.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=5.2km az=60.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.2km az=0.0.
TIR VIII 04 04 53 56.3 41.13N 19.76E 3 3.3L ¶11255418
ISC VIII 13 03 55 00.9–.75 41.16N–.04 20.80E–.05 26–13 22 0-1
SKO VIII 13 03 54 59.6 41.16N 20.77E 23 2.1L,1.7 ¶13563623
ISCJB VIII 13 03 55 00.8–.84 41.16N–.04 20.80E–.05 27–12 2.1L,1.7
CSEM VIII 13 03 55 00.5 41.18N 20.81E 17 2.5L,1.7
THE VIII 13 03 55 00.5 41.18N 20.81E 17–1 2.5L,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=6.4km az=145.8.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.5km az=37.0.
ISC VIII 13 05 11 57.7–.65 41.16N–.03 20.76E–.04 10 22 0-1
SKO VIII 13 05 11 56.5 41.14N 20.74E 20 2.3L,1.9 ¶13563624
ISCJB VIII 13 05 11 57.1–.65 41.16N–.03 20.75E–.04 10 2.3L,1.9
CSEM VIII 13 05 11 57.0 41.19N 20.80E 16 3.0L,1.9
THE VIII 13 05 11 57.0 41.19N 20.80E 16–5 3.0L,1.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=4.4km az=38.1.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE Event type ke. Error ellipse: s-maj=7.0km s-min=0.5km az=47.0.
ISC VIII 13 13 57 48.6–.75 41.70N–.05 20.21E–.04 2–6 24 1-2
ISCJB VIII 13 13 57 48.3–.66 41.73N–.05 20.22E–.04 10 ¶13827307
PDG VIII 13 13 57 48.7–.20 41.78N 20.21E 6–0 2.8L,2.7
NEIC VIII 13 13 57 48.7 41.78N 20.21E 6 2.8L,2.7
SKO VIII 13 13 57 50.4 41.71N 20.25E 12 2.8L,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.2km az=24.5.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.
NEIC Event type se. After PDG.
ISC VIII 14 19 39 22.8–.29 41.805N–.01 20.23E–.01 7–2 3.9b 649 0-123
IDC VIII 14 19 39 19.6–.71 41.75N 20.26E 0 4.0,3.9L ¶13391751
ISCJB VIII 14 19 39 22.0–.26 41.828N–.01 20.21E–.01 14–1 3.9b,3.9L
PDG VIII 14 19 39 21.7–.72 41.78N 20.22E 11–1 4.0L,4.0
NEIC VIII 14 19 39 21.7 41.78N 20.22E 11 4.0L,3.8L
SKO VIII 14 19 39 22.6 41.68N 20.33E 15 4.0L,3.6
CSEM VIII 14 19 39 22.4–.07 41.80N 20.22E 5 4.0L,3.6
THE VIII 14 19 39 22.7 41.79N 20.31E 2–1 3.6L,3.6
BEO VIII 14 19 39 22.7–.68 41.82N 20.23E 7–3 3.9L,3.6
PRU VIII 14 19 39 24.2 41.56N 20.27E 29 3.9L,3.6
TIR VIII 14 19 39 48.4 40.88N 20.27E 0 4.0L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=11.5km az=143.0.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=143.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
NEIC Event type se. After PDG.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=51.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=308.0.
ISC VIII 14 19 48 26.6–.42 41.77N–.02 20.27E–.03 1–5 68 0-2
ISCJB VIII 14 19 48 26.3–.37 41.80N–.02 20.27E–.03 10 ¶11255448
SKO VIII 14 19 48 26.4 41.75N 20.33E 4 2.3L,1.9
THE VIII 14 19 48 26.6 41.77N 20.29E 0–4 2.5L,1.9
CSEM VIII 14 19 48 26.1–.28 41.79N 20.26E 2 2.5L,1.9
PDG VIII 14 19 48 27.5–.26 41.81N 20.16E 6–1 2.4L,1.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.4km az=136.1.
THE Event type ke. Error ellipse: s-maj=6.7km s-min=1.3km az=354.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=61.0.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.6km az=0.0.
ISC VIII 15 22 56 54.0–.46 41.61N–.02 20.14E–.03 1–4 86 0-2
ISCJB VIII 15 22 56 53.7–.40 41.61N–.02 20.13E–.03 10 ¶11255452
CSEM VIII 15 22 56 53.4–.34 41.60N 20.15E 2 2.3L
SKO VIII 15 22 56 54.5 41.56N 20.07E 16 2.4L,2.0
BEO VIII 15 22 56 54.2–.37 41.62N 20.19E 0–0 2.3L,2.0
NEIC VIII 15 22 56 54.9 41.64N 20.02E 11 2.7L,2.0
PDG VIII 15 22 56 54.9–.22 41.64N 20.02E 11–0 2.7L,2.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=34.6.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=5.0km az=137.0.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=0.0.
ISC VIII 23 03 02 42.7–.52 41.25N–.02 19.85E–.04 0–3 112 0-5
THE VIII 23 03 02 40.1 41.61N 19.77E 17–1 2.6L ¶11255483
ISCJB VIII 23 03 02 42.7–.44 41.28N–.02 19.83E–.04 6–3 2.6L
CSEM VIII 23 03 02 42.7–.22 41.25N 19.75E 8 2.2L
TIR VIII 23 03 02 43.5–1.9 41.32N 19.94E 39–41 3.2L
SKO VIII 23 03 02 43.8 41.24N 19.93E 11 3.2L
PDG VIII 23 03 02 45.3–.19 41.38N 19.67E 8–0 2.5L
BEO VIII 23 03 02 45.2–.47 41.33N 20.06E 0–4 2.2L
NEIC VIII 23 03 02 45.3 41.38N 19.67E 8 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.8km az=305.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.7km az=153.2.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.2km az=63.0.
TIR Error ellipse: s-maj=5.0km s-min=18.3km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.5km az=0.0.
NEIC Event type se. After PDG.
ISC VIII 24 02 23 54.0–.54 41.26N–.03 19.84E–.04 15–3 83 0-5
THE VIII 24 02 23 52.2 41.53N 19.78E 22–1 2.7L ¶11747489
BEO VIII 24 02 23 53.4–.80 41.19N 19.97E 7–3 2.2L
ISCJB VIII 24 02 23 54.0–.54 41.25N–.03 19.83E–.04 23–4 2.2L
CSEM VIII 24 02 23 53.7–.29 41.28N 19.81E 20 2.2L
SKO VIII 24 02 23 53.4 41.20N 19.88E 12 2.2L
TIR VIII 24 02 24 56.0 41.42N 19.68E 2 2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.4km az=318.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.9km az=144.9.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=49.0.
ISC VIII 24 14 53 38.0–1.4 41.18N–.06 20.89E–.10 16–5 45 0-2
ATH VIII 24 14 53 34.7 41.43N 21.31E 20–1 3.3 ¶12100213
NEIC VIII 24 14 53 34.7 41.43N 21.31E 20 3.3
SKO VIII 24 14 53 36.1 41.14N 20.67E 0 3.3
ISCJB VIII 24 14 53 37.7–1.4 41.19N–.07 20.9E–.10 20–9 3.3
CSEM VIII 24 14 53 37.8–.96 41.21N 20.95E 15 2.5L
THE VIII 24 14 53 37.6 41.09N 20.81E 15–1 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=11.1km az=154.0.
CSEM Event type ke. Error ellipse: s-maj=18.4km s-min=14.7km az=171.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.4km az=94.0.
ISC VIII 24 22 24 09.5–1.0 41.05N–.04 19.9E–.10 10 16 1-1
CSEM VIII 24 22 24 02.4 40.98N 19.81E 0 3.6L ¶11255486
TIR VIII 24 22 24 02.4–4.7 40.98N 19.81E 0–999 3.6L
ISCJB VIII 24 22 24 08.4–1.0 41.04N–.04 19.9E–.10 10 3.6L
ISC Event type ke.
CSEM Event type ke. After TIR.
ISCJB Event type ke.
ISC VIII 25 20 46 15.5–.49 40.07N–.02 19.86E–.02 5–3 197 0-6
ISCJB VIII 25 20 46 14.9–.46 40.07N–.02 19.86E–.02 6–3 ¶12100237
SKO VIII 25 20 46 14.5 39.91N 19.89E 4
ATH VIII 25 20 46 15.4 40.03N 19.92E 16–1 3.3
THE VIII 25 20 46 15.8 40.05N 19.92E 1–2 2.4L
CSEM VIII 25 20 46 15.1–.11 40.08N 19.87E 2 3.3
NEIC VIII 25 20 46 15.4 40.03N 19.92E 16 3.3
ROM VIII 25 20 46 16.6–.78 40.08N 19.88E 21–6 3.3L,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=10.5.
ATH Error ellipse: s-maj=0.4km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=281.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=11.0.
NEIC Event type se. After ATH.
ROM Event type ke. Error ellipse: s-maj=11.8km s-min=10.5km az=85.0.
ISC VIII 29 03 03 29.1–.78 40.17N–.03 19.80E–.05 7–6 61 0-3
ATH VIII 29 03 03 27.9 40.21N 19.78E 5–4 3.1 ¶11255509
NEIC VIII 29 03 03 27.9 40.21N 19.78E 5 3.1
CSEM VIII 29 03 03 28.7–.39 40.18N 19.83E 2 2.2L
TIR VIII 29 03 03 28.8 40.12N 20.80E 9 2.7L
ISCJB VIII 29 03 03 28.8–.57 40.16N–.02 19.79E–.05 10 2.7L
THE VIII 29 03 03 30.5 40.12N 19.92E 7–2 2.2L
SKO VIII 29 03 03 34.3 40.28N 20.18E 0 2.2L
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=1.8km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.3km az=105.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.3km az=7.3.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.2km az=136.0.
ISC IX 02 23 27 06.0–.58 41.07N–.03 20.01E–.04 2–5 87 0-5
TIR IX 02 23 27 05.8–2.5 41.13N 19.98E 7–999 2.8L ¶11322272
SKO IX 02 23 27 05.9 41.10N 19.99E 8 2.8L
ISCJB IX 02 23 27 06.3–.35 41.12N–.02 20.08E–.03 10 2.8L
CSEM IX 02 23 27 06.4–.28 41.07N 20.06E 2 2.4L
THE IX 02 23 27 06.3 41.17N 20.13E 0–4 2.4L
NEIC IX 02 23 27 07.5 41.17N 19.94E 3 2.6L
PDG IX 02 23 27 07.5–.15 41.17N 19.94E 3–1 2.6L
ISC Event type ke.
TIR Error ellipse: s-maj=4.1km s-min=12.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=145.2.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=3.9km az=58.0.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=1.0km az=36.0.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.2km az=0.0.
ISC IX 04 20 15 09.3–.65 40.87N–.02 19.72E–.05 13–4 72 0-4
SKO IX 04 20 15 07.1 40.72N 19.68E 3 ¶11346190
CSEM IX 04 20 15 08.8–.26 40.90N 19.62E 20 2.3L
ISCJB IX 04 20 15 09.2–.69 40.91N–.03 19.66E–.05 24–5 2.3L
THE IX 04 20 15 09.7 40.85N 19.81E 5–1 2.3L
TIR IX 04 20 15 09.5–1.5 40.86N 19.78E 26–123 3.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.5km az=76.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=174.8.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=286.0.
TIR Error ellipse: s-maj=3.1km s-min=15.1km az=-1.0.
ISC IX 06 00 51 43.4–.76 41.80N–.04 20.19E–.05 10 54 0-5
CSEM IX 06 00 51 40.8–.56 41.72N 20.26E 2 2.4L ¶11322277
ISCJB IX 06 00 51 42.9–.73 41.81N–.04 20.15E–.05 10 2.4L
TIR IX 06 00 51 42.2–1.2 41.82N 20.17E 20–12 2.5L
PDG IX 06 00 51 44.6–.20 41.86N 20.12E 4–1 2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.1km s-min=6.2km az=139.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.5km az=37.8.
TIR Error ellipse: s-maj=5.9km s-min=7.4km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.
ISC IX 06 02 43 18.9–1.3 41.68N–.06 19.46E–.07 10–9 19 0-4
TIR IX 06 02 43 14.3–1.3 41.65N 20.46E 0–14 3.5L ¶11346193
SKO IX 06 02 43 15.8 41.67N 19.35E 0 3.5L
ISCJB IX 06 02 43 18.6–.98 41.72N–.05 19.42E–.06 13–7 3.5L
CSEM IX 06 02 43 18.3–.65 41.74N 19.45E 2 3.5L
ISC Event type ke.
TIR Error ellipse: s-maj=8.4km s-min=12.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.0km s-min=5.0km az=136.1.
CSEM Event type ke. Error ellipse: s-maj=17.5km s-min=12.7km az=171.0.
TIR IX 11 23 21 04.9 41.97N 19.82E 15 2.8L
CSEM IX 11 23 21 03.1–.15 41.95N 19.70E 2 2.8L ¶11346198
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=25.0.
ISC IX 12 00 48 47.3–1.3 41.96N–.07 19.9E–.10 6–13 16 0-2
TIR IX 12 00 48 44.9 41.97N 19.82E 15 2.7L ¶11346199
CSEM IX 12 00 48 45.9–.31 41.94N 19.77E 2 2.7L
ISCJB IX 12 00 48 47.0–1.2 41.96N–.07 19.9E–.10 7–12 2.7L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
TIR IX 12 01 49 41.9 41.96N 19.85E 11 2.7L
CSEM IX 12 01 49 41.5–.14 41.96N 19.75E 2 2.7L ¶11346203
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=37.0.
ISC IX 16 04 32 52.4–2.0 40.6N–.10 19.64E–.05 10 10 1-5
SKO IX 16 04 32 56.6 40.59N 19.80E 0 2.8L,2.3 ¶13828938
ISC IX 16 20 41 53.3–1.2 41.3N–.10 19.77E–.06 10 11 1-5
SKO IX 16 20 41 49.4 41.39N 19.57E 90 2.5L,2.2 ¶13828939
ISCJB IX 16 20 41 51.8–1.1 41.35N–.10 19.77E–.06 10 2.5L,2.2
ISC IX 18 19 55 27.5–.50 41.15N–.02 20.06E–.03 3–4 107 0-5
PDG IX 18 19 55 26.1–.21 41.11N 20.02E 4–2 2.8L ¶11322293
SKO IX 18 19 55 26.1 41.05N 20.01E 5 2.8L,2.2
NEIC IX 18 19 55 26.1 41.11N 20.02E 4 2.8L,2.2
ISCJB IX 18 19 55 27.6–.34 41.18N–.02 20.06E–.03 10 2.8L,2.2
TIR IX 18 19 55 27.1–1.8 41.20N 20.13E 13–129 3.0L,2.2
CSEM IX 18 19 55 27.2–.21 41.15N 20.04E 2 2.5L,2.2
THE IX 18 19 55 27.5 41.18N 20.08E 0–2 2.5L,2.2
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.4km az=0.0.

NEIC Event type se. After PDG.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.0km az=145.5.
TIR Error ellipse: s-maj=3.7km s-min=15.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.2km az=54.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.0km az=3.0.

ISC	**IX**	**19 13 14 49.3–.38**	**41.10N–.02**	**20.13E–.03**	**5–3**		**174**	**0-5**
CSEM	IX	19 13 14 48.6–.15	41.09N	20.12E	2	3.4L		¶11322300
NEIC	IX	19 13 14 49.0	41.15N	20.16E	3	3.4L		
THE	IX	19 13 14 48.9	41.14N	20.19E	0–2	2.8L		
PDG	IX	19 13 14 49.0–.42	41.15N	20.16E	3–1	3.4L,3.4		
TIR	IX	19 13 14 48.6–3.4	41.15N	20.25E	20–115	3.6L,3.4		
ISCJB	IX	19 13 14 48.5–.38	41.12N–.02	20.13E–.02	2–3	3.6L,3.4		
SKO	IX	19 13 14 49.4	41.11N	20.12E	6	2.9L,2.6		
BEO	IX	19 13 14 49.2–.83	41.08N	20.06E	7–3	3.0L,2.6		
ATH	IX	19 13 14 55.3	41.05N	20.50E	33–3	3.6,2.6		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=2.5km az=52.0.
NEIC Event type se. After PDG.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=22.0.
PDG Event type ke. Error ellipse: s-maj=2.4km s-min=3.2km az=0.0.
TIR Error ellipse: s-maj=5.1km s-min=18.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.0km az=142.6.
ATH Error ellipse: s-maj=3.0km s-min=2.6km az=-1.0.

ISC	**IX**	**22 00 24 32.7–.64**	**41.78N–.03**	**19.31E–.03**	**6–4**		**78**	**0-4**
TIR	IX	22 00 24 31.1–1.1	41.82N	19.23E	4–8	2.5L		¶11322308
CSEM	IX	22 00 24 32.4–.35	41.80N	19.35E	10	2.3L		
ISCJB	IX	22 00 24 32.2–.60	41.80N–.03	19.32E–.03	7–3	2.3L		
PDG	IX	22 00 24 33.6–.09	41.86N	19.38E	5–1	2.3L,2.3		
SKO	IX	22 00 24 34.0	41.72N	19.34E	16	2.3L,2.3		
BEO	IX	22 00 24 36.2–.41	41.78N	19.97E	24–4	1.9L,2.3		

ISC Event type ke.
TIR Error ellipse: s-maj=5.6km s-min=3.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.4km az=35.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=39.3.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.3km az=90.0.

ISC	**IX**	**22 20 26 11.3–.58**	**40.06N–.02**	**19.98E–.04**	**7–3**		**76**	**0-6**
TIR	IX	22 20 26 08.9–1.2	40.12N	20.06E	0–999	2.9L		¶11345797
CSEM	IX	22 20 26 10.9–.28	40.08N	20.04E	5	2.9L		
ISCJB	IX	22 20 26 11.1–.57	40.06N–.02	20.00E–.04	8–3	2.9L		
ATH	IX	22 20 26 11.2	40.07N	20.07E	14–2	3.3		
THE	IX	22 20 26 11.5	40.06N	20.03E	2–1	2.3L		

ISC Event type ke.
TIR Error ellipse: s-maj=170.9km s-min=585.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=16.8.
ATH Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=302.0.

ISC	**IX**	**24 00 31 47.2–.42**	**41.42N–.02**	**19.49E–.02**	**4–3**		**185**	**0-6**
SKO	IX	24 00 31 46.0	41.56N	19.52E	2			¶11322314
ISCJB	IX	24 00 31 46.6–.39	41.43N–.02	19.47E–.02	5–3			
TIR	IX	24 00 31 46.8–2.1	41.43N	19.50E	13–43	2.9L		
ROM	IX	24 00 31 46.9–1.5	41.46N	19.48E	10–0	2.9,2.6L		
CSEM	IX	24 00 31 46.8–.11	41.43N	19.48E	2	2.6L,2.6L		
THE	IX	24 00 31 47.5	41.55N	19.62E	0–5	2.9L,2.6L		
ATH	IX	24 00 31 47.7	41.52N	19.61E	23–13	3.6,2.6L		
NEIC	IX	24 00 31 48.2	41.50N	19.61E	11	2.7L,2.6L		
PDG	IX	24 00 31 48.2–.29	41.50N	19.61E	11–0	2.7L,2.6L		
BEO	IX	24 00 31 49.6–.43	41.51N	19.77E	7–2	2.6L,2.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=147.4.
TIR Error ellipse: s-maj=4.5km s-min=8.7km az=-1.0.
ROM Event type ke. Error ellipse: s-maj=23.8km s-min=5.1km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=65.0.
THE Event type ke. Error ellipse: s-maj=9.8km s-min=1.8km az=286.0.
ATH Error ellipse: s-maj=8.0km s-min=7.9km az=-1.0.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.2km az=0.0.

ISC	**IX**	**24 04 02 04.7–.52**	**41.47N–.02**	**19.59E–.04**	**14–3**		**80**	**0-3**
TIR	IX	24 04 02 02.7–3.1	41.46N	19.52E	11–42	2.5L		¶11322315
SKO	IX	24 04 02 02.7	41.54N	19.55E	1	2.5L		
ISCJB	IX	24 04 02 03.9–.50	41.49N–.02	19.60E–.04	10–3	2.5L		
PDG	IX	24 04 02 04.0–.28	41.50N	19.60E	2–1	2.2L		
CSEM	IX	24 04 02 03.3–.30	41.45N	19.54E	2	2.1L		
BEO	IX	24 04 02 04.2–.78	41.41N	19.65E	14–2	2.1L		

ISC Event type ke.
TIR Error ellipse: s-maj=16.3km s-min=13.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.9km az=149.3.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.5km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=4.1km az=57.0.

ISC	**IX**	**28 19 44 40.3–.77**	**41.50N–.03**	**19.64E–.06**	**7–5**		**46**	**0-5**
TIR	IX	28 19 44 36.9–2.2	41.47N	20.00E	0–20	3.1L		¶11345799
ISCJB	IX	28 19 44 39.8–.71	41.52N–.03	19.66E–.06	9–5	3.1L		
CSEM	IX	28 19 44 40.1–.45	41.47N	19.60E	10	2.1L		
BEO	IX	28 19 44 41.8–.42	41.49N	19.82E	6–3	2.1L		

ISC Event type ke.
TIR Error ellipse: s-maj=10.5km s-min=39.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=4.4km az=157.6.
CSEM Event type ke. Error ellipse: s-maj=12.2km s-min=6.9km az=67.0.

ISC	**X**	**01 13 42 16.5–.42**	**41.78N–.02**	**20.36E–.03**	**10**		**100**	**0-2**
TIR	X	01 13 42 13.1–1.7	41.78N	20.31E	6–36	2.8L		¶11392378
PDG	X	01 13 42 14.2–.18	41.71N	20.40E	11–0	2.5L		
NEIC	X	01 13 42 14.2	41.71N	20.40E	11	2.5L		
SKO	X	01 13 42 15.3	41.83N	20.30E	25	2.2L,1.6		
ISCJB	X	01 13 42 15.5–.42	41.79N–.02	20.38E–.03	10	2.2L,1.6		
CSEM	X	01 13 42 16.4–.14	41.85N	20.27E	5	2.8L,1.6		
BEO	X	01 13 42 17.9–.35	41.84N	20.29E	0–0	2.0L,1.6		

ISC Event type ke.
TIR Error ellipse: s-maj=3.1km s-min=6.6km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.0km az=0.0.
NEIC Event type se. After PDG.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=29.4.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=131.0.

ISC	**X**	**01 17 27 15.5–.52**	**40.11N–.03**	**19.89E–.04**	**10**		**107**	**0-6**
ATH	X	01 17 27 13.3	40.34N	19.85E	7–2	3.5		¶11392380
ISCJB	X	01 17 27 15.3–.54	40.14N–.03	19.93E–.05	10	3.5		
NEIC	X	01 17 27 15.6	40.13N	19.67E	14	3.0L		
CSEM	X	01 17 27 15.0–.25	40.14N	19.91E	2	3.5		
PDG	X	01 17 27 15.6–.27	40.13N	19.67E	14–11	3.0L		

ISC Event type ke.
ATH Error ellipse: s-maj=2.7km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=2.9km az=139.3.
NEIC Event type se. After PDG.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.4km az=53.0.
PDG Event type ke. Error ellipse: s-maj=39.3km s-min=7.2km az=90.0.

ISC	**X**	**02 14 12 48.5–.62**	**41.15N–.03**	**20.57E–.04**	**2–8**		**35**	**1-2**
CSEM	X	02 14 12 47.9	41.12N	20.56E	1	2.7L		¶13566641
THE	X	02 14 12 47.9	41.12N	20.56E	1–1	2.7L		
ISCJB	X	02 14 12 48.2–.52	41.15N–.03	20.56E–.04	10	2.7L		
SKO	X	02 14 12 49.0	41.12N	20.56E	4	2.0,2.0L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=224.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.7km az=43.4.

ISC	**X**	**06 22 09 16.5–.73**	**40.11N–.03**	**19.76E–.04**	**2–5**		**77**	**0-6**
SKO	X	06 22 09 15.4	39.76N	20.01E	0			¶13396261
ISCJB	X	06 22 09 16.6–.83	40.09N–.03	19.76E–.04	6–6			
CSEM	X	06 22 09 16.7–.25	40.11N	19.78E	2	2.2L		
ATH	X	06 22 09 16.4	40.12N	19.78E	17–2	3.3		
THE	X	06 22 09 17.9	40.08N	19.88E	0–2	2.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=161.3.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=79.0.
ATH Error ellipse: s-maj=2.6km s-min=2.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=285.0.

ISC	**X**	**07 13 11 41.1–.40**	**41.43N–.02**	**19.44E–.02**	**13–3**	**3.8b**	**227**	**0-44**
IDC	X	07 13 11 28.4–14	40.77N	18.34E	0	3.9b,3.9		¶11389290
BEO	X	07 13 11 36.7–1.0	41.20N	19.47E	0–0	3.3L,3.9		
SKO	X	07 13 11 37.1	41.25N	19.19E	0	3.5L,3.1		
PDG	X	07 13 11 40.2–.53	41.40N	19.50E	11–1	3.3L,3.2		
ISCJB	X	07 13 11 40.3–.38	41.44N–.02	19.43E–.02	13–2	3.8b,3.2		
CSEM	X	07 13 11 40.8–.11	41.47N	19.46E	12	3.2L,3.2		
NEIC	X	07 13 11 40.2	41.40N	19.50E	11	3.3L,3.2		
TIR	X	07 13 11 40.7–1.4	41.51N	19.51E	30–35	3.2L,3.2		
THE	X	07 13 11 42.6	41.50N	19.38E	32–49	3.1L,3.2		

ISC Event type ke.
IDC Error ellipse: s-maj=265.2km s-min=43.8km az=42.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=41.0.
NEIC Event type se. After PDG.
TIR Error ellipse: s-maj=5.0km s-min=10.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=49.4km s-min=1.7km az=0.0.

ISC	**X**	**08 18 26 29.1–.77**	**40.86N–.03**	**19.71E–.05**	**17–5**		**41**	**1-3**
CSEM	X	08 18 26 28.9–.43	40.86N	19.70E	17–3	2.9L		¶11415139
THE	X	08 18 26 28.3	40.99N	19.61E	57–4	2.9L		
TIR	X	08 18 26 28.2–1.9	40.83N	19.71E	6–31	3.0L		
ISCJB	X	08 18 26 29.4–.74	40.89N–.03	19.68E–.06	27–6	3.0L		

ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.

ISC	**X**	**12 00 14 51.1–1.2**	**41.48N–.04**	**19.39E–.06**	**11–6**		**30**	**0-5**
TIR	X	12 00 14 49.1–1.2	41.54N	20.31E	2–14	2.9L		¶11406360
ISCJB	X	12 00 14 50.6–1.1	41.51N–.04	19.38E–.06	11–6	2.9L		
CSEM	X	12 00 14 52.4–.54	41.52N	19.49E	2	2.1L		
SKO	X	12 00 14 52.4	41.41N	19.59E	22	2.1L		
BEO	X	12 00 14 53.4–1.0	41.49N	19.56E	8–5	2.1L		

ISC Event type ke.
TIR Error ellipse: s-maj=7.6km s-min=14.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.0km az=141.4.
CSEM Event type ke. Error ellipse: s-maj=15.4km s-min=6.4km az=94.0.

ISC	**X**	**16 03 04 23.1–1.8**	**40.74N–.08**	**19.1E–.10**	**3–13**		**10**	**1-5**
								¶15670400
ISC	**X**	**19 13 36 39.1–.35**	**41.92N–.01**	**20.29E–.02**	**1–2**		**210**	**0-9**
TIR	X	19 13 36 37.9–2.5	41.91N	20.25E	2–43	3.4L		¶11389414
PDG	X	19 13 36 38.4–.73	41.93N	20.28E	4–1	3.4L,3.4		
ISCJB	X	19 13 36 38.1–.36	41.94N–.01	20.29E–.02	1–3	3.4L,3.4		
CSEM	X	19 13 36 38.8–.12	41.92N	20.25E	2	3.4L,3.4		
NEIC	X	19 13 36 38.4	41.93N	20.28E	4	3.4L,3.4		
THE	X	19 13 36 39.7	41.92N	20.25E	7–1	3.1L,3.4		
BEO	X	19 13 36 39.8–.37	41.92N	20.32E	4–4	3.0L,3.4		
SKO	X	19 13 36 39.6	41.92N	20.25E	11	3.2L,2.8		
SOF	X	19 13 37 03.0	42.07N	22.27E	1	3.1,2.8		

ISC Event type ke.
TIR Error ellipse: s-maj=12.8km s-min=20.7km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.3km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=43.1.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=50.0.
NEIC Event type se. After PDG.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=261.0.

ISC	**X**	**24 16 56 41.6–.39**	**41.17N–.01**	**20.25E–.02**	**1–2**	**3.8b**	**393**	**0-59**
TIR	X	24 16 56 16.6–8.8	41.38N	21.94E	0–42	3.7L		¶13397973
PRU	X	24 16 56 33.5	40.72N	20.86E	0	3.7L		
IDC	X	24 16 56 39.1–1.4	41.04N	20.45E	0	3.9b,3.8		
ATH	X	24 16 56 40.5	41.40N	20.23E	32–1	3.5,3.8		
NEIC	X	24 16 56 41.9	41.21N	20.22E	6	3.6L,3.8		
ISCJB	X	24 16 56 41.3–.38	41.22N–.01	20.25E–.02	9–2	3.8b,3.8		
SKO	X	24 16 56 41.7	41.15N	20.26E	9	3.7L,3.3		
CSEM	X	24 16 56 41.4–.10	41.17N	20.24E	2	3.7L,3.3		
THE	X	24 16 56 41.5	41.19N	20.30E	0–1	3.4L,3.3		
PDG	X	24 16 56 41.9–.73	41.21N	20.22E	6–1	3.6L,3.6		
LDG	X	24 16 56 42.1–.08	41.24N	20.21E	10–0	3.8L,3.6		
BEO	X	24 16 56 44.0	41.22N	20.27E	0–0	3.4L,3.6		

ISC Event type ke.
TIR Error ellipse: s-maj=30.4km s-min=107.8km az=-1.0.
IDC Error ellipse: s-maj=26.1km s-min=16.9km az=53.0.
ATH Error ellipse: s-maj=2.0km s-min=1.1km az=-1.0.
NEIC Event type se. After PDG.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=140.3.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.0km az=55.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=343.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.1km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=1.9km az=23.0.

ISC	**X**	**24 17 00 15.9–.33**	**41.17N–.01**	**20.21E–.02**	**3–2**	**4.1b**	**616**	**0-78**
TIR	X	24 17 00 08.7–5.2	41.20N	20.36E	0–999	4.0L		¶13397974
PRU	X	24 17 00 12.4	40.78N	20.32E	0	4.0L		
ATH	X	24 17 00 14.6	41.42N	20.25E	34–2	4.1L		
IDC	X	24 17 00 14.3–.82	41.11N	20.26E	0	4.2b,4.0		
NEIC	X	24 17 00 15.8	41.16N	20.25E	6	4.0L,4.0		
CSEM	X	24 17 00 15.7–.09	41.19N	20.23E	2	4.0L,4.0		
PDG	X	24 17 00 15.8–.95	41.16N	20.25E	6–2	4.0L,4.0		
LDG	X	24 17 00 15.9–.05	41.18N	20.25E	10–0	3.9L,4.0		
TEH	X	24 17 00 16.6	41.24N	20.16E	10	3.9L,4.0		
THE	X	24 17 00 16.2	41.19N	20.29E	1–1	3.8L,4.0		
SKO	X	24 17 00 16.2	41.15N	20.24E	8	4.1L,3.8		
BEO	X	24 17 00 19.7	41.33N	20.24E	2–0	3.8L,3.8		

ISC Event type ke.
TIR Error ellipse: s-maj=10.2km s-min=30.3km az=-1.0.
ATH Error ellipse: s-maj=2.5km s-min=1.4km az=-1.0.
IDC Error ellipse: s-maj=15.6km s-min=12.2km az=47.0.
NEIC Event type se. After PDG.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=1.9km az=49.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.1km az=0.0.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.1km az=29.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=311.0.

ISC	**X**	**24 17 16 57.3–.51**	**41.21N–.03**	**20.27E–.04**	**4–6**		**41**	**0-3**
TIR	X	24 17 16 52.5–1.4	41.27N	20.42E	2–220			¶11406406
ISCJB	X	24 17 16 56.5–.55	41.23N–.04	20.27E–.04	5–7			
CSEM	X	24 17 16 56.7–.17	41.21N	20.27E	2	2.5L		
SKO	X	24 17 16 57.0	41.17N	20.24E	12	2.5L,2.2		
THE	X	24 17 16 57.0	41.21N	20.28E	0–3	2.5L,2.2		

ISC Event type ke.
TIR Error ellipse: s-maj=8.4km s-min=25.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=4.0km az=28.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=3.1km az=51.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.8km az=219.0.

ISC	**X**	**24 17 19 41.1–.54**	**41.14N–.03**	**20.22E–.05**	**7–5**		**82**	**0-2**
TIR	X	24 17 19 23.5	41.16N	21.45E	3	2.7L		¶11389466
THE	X	24 17 19 40.6	41.21N	20.30E	0–2	2.5L		
ISCJB	X	24 17 19 40.1–.57	41.15N–.03	20.24E–.05	1–6	2.5L		
NEIC	X	24 17 19 40.3	41.17N	20.22E	3	2.5L		
PDG	X	24 17 19 40.3–.25	41.17N	20.22E	3–0	2.5L		
CSEM	X	24 17 19 40.3–.20	41.21N	20.27E	2	2.5L		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=218.0.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=3.1km az=139.5.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=2.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=3.6km az=52.0.

ISC	**X**	**24 17 32 29.8–.41**	**41.20N–.02**	**20.29E–.03**	**0–4**		**143**	**0-3**
TIR	X	24 17 32 24.7–1.1	41.31N	20.50E	0–718	2.8L		¶11389467
ATH	X	24 17 32 28.9	41.38N	20.15E	30–2	3.4		

THE X 24 17 32 28.9 41.27N 20.34E 0–2 2.8L
ISCJB X 24 17 32 29.8–.26 41.24N–.02 20.30E–.03 10 2.8L
CSEM X 24 17 32 29.5–.15 41.24N 20.30E 2 3.4
SKO X 24 17 32 29.8 41.15N 20.25E 7 2.9L,2.5
PDG X 24 17 32 30.3–.40 41.25N 20.26E 4–1 2.8L,2.5
NEIC X 24 17 32 30.3 41.25N 20.26E 4 2.8L,2.5
ISC Event type ke.
TIR Error ellipse: s-maj=8.5km s-min=25.8km az=-1.0.
ATH Error ellipse: s-maj=3.1km s-min=1.8km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=359.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=1.8km az=139.9.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=2.7km az=51.0.
PDG Event type ke. Error ellipse: s-maj=2.3km s-min=2.7km az=0.0.
NEIC Event type se. After PDG.
ISC X 24 17 51 31.1–.38 41.16N–.02 20.29E–.03 1–3 172 0-3
TIR X 24 17 51 28.3–2.5 41.24N 20.47E 80–31 3.0L **¶11389468**
CSEM X 24 17 51 30.5–.15 41.17N 20.27E 2 2.6L
PDG X 24 17 51 30.4–.22 41.23N 20.34E 7–0 3.0L
NEIC X 24 17 51 30.4 41.23N 20.34E 7 3.0L
SKO X 24 17 51 30.9 41.13N 20.24E 8 3.2L,2.8
THE X 24 17 51 30.4 41.25N 20.32E 0–1 2.5L,2.8
ISCJB X 24 17 51 31.3–.26 41.18N–.02 20.32E–.02 10 2.5L,2.8
ATH X 24 17 51 31.6 41.12N 20.15E 11–3 3.3,2.8
BEO X 24 17 51 34.1–1.1 41.25N 20.22E 0–3 2.6L,2.8
ISC Event type ke.
TIR Error ellipse: s-maj=12.9km s-min=26.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=55.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.5km az=0.0.
NEIC Event type se. After PDG.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=354.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=1.7km az=142.0.
ATH Error ellipse: s-maj=1.0km s-min=2.0km az=-1.0.
ISC X 24 18 39 24.0–.37 41.16N–.02 20.29E–.02 1–3 195 0-3
TIR X 24 18 39 22.6 41.22N 20.31E 0 3.0L **¶11389470**
ATH X 24 18 39 23.5 41.26N 20.27E 22–3 3.2
CSEM X 24 18 39 23.9–.13 41.17N 20.30E 2 3.2
SKO X 24 18 39 24.0 41.12N 20.26E 7 3.1L,2.6
THE X 24 18 39 23.6 41.19N 20.27E 1–1 2.7L,2.6
PDG X 24 18 39 24.9–.66 41.24N 20.22E 0–1 3.1,3.0L
NEIC X 24 18 39 24.9 41.24N 20.22E 0 3.0L,3.0L
ISCJB X 24 18 39 24.0–.23 41.20N–.01 20.29E–.02 10 3.0L,3.0L
BEO X 24 18 39 25.9–.76 41.17N 20.27E 0–0 2.8L,3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=3.9km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.3km az=56.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=342.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.8km az=0.0.
NEIC Event type se. After PDG.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=148.7.
SKO X 24 18 40 05.6 41.15N 20.26E 6 2.9L,2.5 ¶13910110
ISC X 24 19 08 07.7–.46 41.24N–.03 20.35E–.03 1–4 135 0-3
TIR X 24 19 08 03.3–4.6 41.08N 19.84E 19–72 2.5L **¶11389471**
ISCJB X 24 19 08 06.8–.43 41.28N–.02 20.37E–.03 1–4 2.5L
ATH X 24 19 08 06.8 41.39N 20.29E 29–1 3.2
THE X 24 19 08 07.3 41.26N 20.35E 0–4 2.3L
SKO X 24 19 08 07.3 41.44N 20.36E 0 2.3L
CSEM X 24 19 08 08.5–.18 41.12N 20.16E 2 3.2
BEO X 24 19 08 08.5–1.4 41.04N 20.13E 0–6 2.3L
NEIC X 24 19 08 09.9 41.28N 20.19E 5 2.5L
PDG X 24 19 08 09.9–.33 41.28N 20.19E 5–1 2.5L
ISC Event type ke.
TIR Error ellipse: s-maj=57.5km s-min=87.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=2.7km az=39.1.
ATH Error ellipse: s-maj=1.9km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=0.9km az=24.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.1km az=61.0.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.8km az=0.0.
ISC X 24 19 31 20.6–.27 41.18N–.01 20.24E–.01 11–2 4.5b,3.9s 961 0-123
BJI X 24 19 31 17.0 41.28N 19.96E 10 4.9b,4.7s **¶13397986**
PRU X 24 19 31 17.5 40.62N 19.85E 0 4.8,4.7s
IDC X 24 19 31 17.7–.57 41.07N 20.29E 0 4.2b,4.2
ATH X 24 19 31 18.3 41.49N 20.19E 38–1 4.4L,4.2
NEIC X 24 19 31 18.7–1.0 41.10N 20.23E 6–6 4.8b,4.3L
TEH X 24 19 31 18.4 41.20N 20.23E 2 4.8b,4.3L
ISCJB X 24 19 31 18.6–.12 41.18N–.01 20.16E–.01 10 4.5b,3.9s
TIR X 24 19 31 19.2–2.2 41.22N 20.29E 12–137 4.4L,3.9s
PDG X 24 19 31 19.5–.89 41.16N 20.20E 8–2 4.3L,4.3
SKO X 24 19 31 19.9 41.15N 20.24E 12 4.4L,4.0
THE X 24 19 31 19.6 41.24N 20.31E 0–1 4.1L,4.0
CSEM X 24 19 31 20.1–.07 41.22N 20.23E 10 4.7b,4.5L
MOS X 24 19 31 20.3–1.2 41.03N 20.03E 33 4.5b,4.5L
BEO X 24 19 31 20.9–.86 41.13N 20.26E 0–3 4.2L,4.5L
LDG X 24 19 31 22.3–.10 41.19N 20.28E 10–0 4.1L,4.5L
ISC Event type fe.
IDC Error ellipse: s-maj=12.1km s-min=9.8km az=61.0.
ATH Error ellipse: s-maj=1.5km s-min=1.0km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.5km az=184.0. Felt at Elbasan and Tirana. Also felt at Ohrid, Macedonia.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.1km az=136.4.
TIR Error ellipse: s-maj=4.0km s-min=17.0km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=356.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=41.0.
MOS Error ellipse: s-maj=4.7km s-min=2.8km az=104.5.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=28.0.
ISC X 24 19 37 40.5–.57 41.19N–.02 20.30E–.04 4–4 109 0-4
TIR X 24 19 37 36.1–2.2 41.25N 20.36E 1–106 3.0L **¶11406408**
ISCJB X 24 19 37 39.5–.57 41.22N–.02 20.32E–.03 1–5 3.0L
ATH X 24 19 37 39.7 41.29N 20.17E 34–8 3.3
CSEM X 24 19 37 40.2–.16 41.23N 20.33E 5 3.3
THE X 24 19 37 40.1 41.31N 20.35E 2–1 2.7L
BEO X 24 19 37 41.3 41.14N 20.28E 0–0 2.7L
ISC Event type ke.
TIR Error ellipse: s-maj=17.0km s-min=50.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=146.7.
ATH Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=52.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=344.0.
ISC X 24 20 52 19.0–.34 41.18N–.01 20.27E–.02 4–2 3.9b 550 0-70
PRU X 24 20 52 11.8 40.62N 20.64E 0 4.1 **¶13397991**
TIR X 24 20 52 12.3–3.5 41.20N 20.27E 0–999 3.8L
IDC X 24 20 52 16.2–1.2 41.11N 20.38E 0 3.8,3.8b
ATH X 24 20 52 16.5 41.52N 20.21E 36–1 3.7,3.8b
SKO X 24 20 52 18.9 41.19N 20.27E 9 4.1L,3.7
CSEM X 24 20 52 18.5–.07 41.21N 20.27E 2 3.9s,3.7
NEIC X 24 20 52 18.7 41.25N 20.28E 8 4.1b,3.9L
ISCJB X 24 20 52 18.3–.30 41.21N–.01 20.21E–.02 12–2 3.9b,3.9L
THE X 24 20 52 18.7 41.25N 20.31E 1–1 3.5L,3.9L
BEO X 24 20 52 18.7–.86 41.14N 20.31E 3–3 3.6L,3.9L
PDG X 24 20 52 18.7–.88 41.25N 20.28E 8–2 3.9L,3.9
VIE X 24 20 52 20.4–1.3 41.19N 20.11E 10–0 3.9s,3.3b
LDG X 24 20 52 22.1–.08 41.22N 20.30E 10–0 3.9L,3.3b
ISC Event type ke.
TIR Error ellipse: s-maj=11.3km s-min=29.8km az=-1.0.
IDC Error ellipse: s-maj=24.4km s-min=15.7km az=40.0.
ATH Error ellipse: s-maj=1.9km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=50.0.
NEIC Event type se. After PDG.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=139.5.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=331.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=0.0.
VIE Error ellipse: s-maj=12.7km s-min=9.5km az=63.0. 29 km SE of Tirana .
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=14.0.
ISC X 24 21 34 54.2–.58 41.19N–.03 20.32E–.04 5–5 45 0-3
TIR X 24 21 34 48.7–1.5 41.35N 20.62E 0–999 2.7L **¶11406411**
CSEM X 24 21 34 53.8–.28 41.16N 20.27E 2 2.1L
ISCJB X 24 21 34 53.6–.59 41.19N–.03 20.32E–.04 3–5 2.1L
THE X 24 21 34 53.7 41.20N 20.29E 0–2 1.9L
SKO X 24 21 34 54.1 41.29N 20.30E 10 1.9L
BEO X 24 21 34 56.6–1.4 41.15N 20.14E 4–6 2.1L
ISC Event type ke.
TIR Error ellipse: s-maj=15.5km s-min=48.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=5.2km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=140.8.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.6km az=27.0.
ISC X 25 01 46 55.9–.50 41.21N–.03 20.31E–.04 6–8 41 0-3
BEO X 25 01 46 53.1–1.5 41.02N 19.66E 29–3 2.0L **¶11406412**
ISCJB X 25 01 46 55.3–.51 41.23N–.03 20.34E–.04 2–9 2.0L
CSEM X 25 01 46 55.8–.27 41.21N 20.33E 10 2.6L
TIR X 25 01 46 55.7–2.0 41.24N 20.37E 16–51 2.6L
SKO X 25 01 46 55.9 41.23N 20.30E 8 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=135.5.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=4.3km az=54.0.
TIR Error ellipse: s-maj=7.5km s-min=29.9km az=-1.0.
ISC X 25 01 50 11.8–.41 41.19N–.02 20.27E–.03 3–4 106 0-3
TIR X 25 01 50 08.5–2.3 41.25N 20.32E 3–999 2.7L **¶11389475**
THE X 25 01 50 09.8 41.40N 20.39E 17–6 2.7L
SKO X 25 01 50 11.0 41.34N 20.32E 12 2.7L
NEIC X 25 01 50 11.9 41.25N 20.22E 7 2.5L
CSEM X 25 01 50 11.1–.20 41.24N 20.31E 2 2.3L
PDG X 25 01 50 11.9–.26 41.25N 20.22E 7–1 2.5L
ISCJB X 25 01 50 11.2–.32 41.22N–.02 20.31E–.03 10 2.5L
BEO X 25 01 50 13.4 41.19N 20.25E 0–0 2.3L
ISC Event type ke.
TIR Error ellipse: s-maj=5.9km s-min=20.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=9.9km s-min=1.0km az=354.0.
NEIC Event type se. After PDG.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=3.3km az=59.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.7km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=146.2.
ISC X 25 02 10 52.5–.49 41.24N–.03 20.32E–.04 9–7 33 0-3
TIR X 25 02 10 49.9–.92 41.27N 20.40E 4–206 2.7L **¶11406413**
ISCJB X 25 02 10 52.0–.51 41.24N–.03 20.32E–.04 8–6 2.7L
SKO X 25 02 10 51.6 41.20N 20.26E 15 2.6L,2.3
CSEM X 25 02 10 52.0–.25 41.27N 20.36E 5 2.7L,2.3
ISC Event type ke.
TIR Error ellipse: s-maj=2.9km s-min=10.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=3.8km az=42.2.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=4.4km az=49.0.
ISC X 25 04 03 58.7–.62 41.16N–.03 20.27E–.05 10 40 0-3
TIR X 25 04 03 52.4–1.9 41.34N 20.59E 0–999 2.1L **¶11406414**
THE X 25 04 03 56.7 41.39N 20.23E 40–5 2.6L
ISCJB X 25 04 03 57.8–.57 41.19N–.03 20.31E–.05 10 2.6L
CSEM X 25 04 03 58.5–.41 41.10N 20.19E 2 2.6L
SKO X 25 04 03 58.4 41.25N 20.32E 6 2.6L
BEO X 25 04 03 59.8–.95 41.14N 20.23E 0–0 2.1L
ISC Event type ke.
TIR Error ellipse: s-maj=18.6km s-min=57.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=0.8km az=247.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=2.9km az=143.6.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=5.1km az=53.0.
ISC X 25 09 09 18.4–.41 41.16N–.02 20.27E–.03 0–3 162 0-3
BEO X 25 09 09 15.2–1.3 40.86N 20.12E 0–0 3.0L **¶11389476**
TIR X 25 09 09 15.4–2.1 41.23N 20.28E 4–375 3.2L
ATH X 25 09 09 16.3 41.47N 20.17E 39–3 3.5
CSEM X 25 09 09 18.0–.17 41.15N 20.24E 2 3.5
ISCJB X 25 09 09 18.7–.26 41.18N–.02 20.29E–.03 10 3.5
THE X 25 09 09 18.2 41.15N 20.27E 0–2 3.5L
SKO X 25 09 09 18.3 41.16N 20.22E 9 3.4L,3.0
PDG X 25 09 09 19.4–.18 41.25N 20.16E 9–0 3.3,3.2L
NEIC X 25 09 09 19.4 41.25N 20.16E 9 3.2L,3.2L
ISC Event type ke.
TIR Error ellipse: s-maj=5.2km s-min=17.7km az=-1.0.
ATH Error ellipse: s-maj=4.3km s-min=3.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=2.7km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=1.8km az=143.9.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=26.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.3km az=0.0.
NEIC Event type se. After PDG.
ISC X 25 20 26 21.7–.36 41.28N–.02 20.33E–.03 2–4 154 0-3
TIR X 25 20 26 18.6–2.8 41.18N 20.33E 4–681 3.0L **¶11389479**
ATH X 25 20 26 20.4 41.43N 20.23E 30–3 3.5
ISCJB X 25 20 26 21.6–.27 41.26N–.02 20.29E–.03 10 3.5
SKO X 25 20 26 21.6 41.15N 20.22E 6 2.9L,2.5
THE X 25 20 26 21.5 41.29N 20.34E 0–3 2.9L,2.5
CSEM X 25 20 26 22.1–.18 41.19N 20.30E 2 3.5,2.5
PDG X 25 20 26 23.1–.30 41.24N 20.14E 4–1 2.9L,2.5
NEIC X 25 20 26 23.1 41.24N 20.14E 4 2.9L,2.5
BEO X 25 20 26 23.7–.81 41.19N 20.24E 0–0 2.5L,2.5
ISC Event type ke.
TIR Error ellipse: s-maj=4.6km s-min=13.9km az=-1.0.
ATH Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=1.9km az=144.4.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.9km az=203.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.0km az=58.0.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=2.2km az=0.0.
NEIC Event type se. After PDG.
ISC X 25 23 27 11.1–.36 41.19N–.02 20.27E–.03 9–3 162 0-4
TIR X 25 23 27 03.2 41.21N 20.35E 0 3.2L **¶11389481**
ATH X 25 23 27 08.9 41.44N 20.22E 31–2 3.6
PDG X 25 23 27 09.4–.23 41.20N 20.29E 1–0 3.1L
CSEM X 25 23 27 09.6–.13 41.23N 20.28E 2 3.6
NEIC X 25 23 27 09.4 41.20N 20.29E 1 3.1L
ISCJB X 25 23 27 09.9–.37 41.19N–.02 20.27E–.03 3–3 3.1L
BEO X 25 23 27 11.7–.87 41.14N 20.21E 0–0 2.7L
ISC Event type ke.
ATH Error ellipse: s-maj=3.2km s-min=2.3km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=2.5km az=51.0.
NEIC Event type se. After PDG.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=148.5.
ISC X 25 23 34 19.1–.35 41.21N–.02 20.29E–.03 2–3 185 0-5
TIR X 25 23 34 11.9–2.9 41.19N 20.32E 0–999 3.2L **¶11389482**
ATH X 25 23 34 17.0 41.44N 20.31E 23–4 3.7
PDG X 25 23 34 18.4–.47 41.27N 20.31E 3–1 3.2,3.1L
SKO X 25 23 34 18.2 41.13N 20.22E 12 3.4L,3.0
ISCJB X 25 23 34 18.8–.23 41.23N–.01 20.29E–.02 10 3.4L,3.0
CSEM X 25 23 34 18.7–.16 41.20N 20.28E 2 3.7,3.0
NEIC X 25 23 34 18.4 41.27N 20.31E 3 3.1L,3.0
BEO X 25 23 34 19.4–1.0 41.10N 20.22E 0–0 3.0L,3.0
ISC Event type ke.
TIR Error ellipse: s-maj=6.8km s-min=18.5km az=-1.0.
ATH Error ellipse: s-maj=4.7km s-min=2.9km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.2km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=149.9.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=2.8km az=59.0.
NEIC Event type se. After PDG.
ISC X 25 23 47 07.6–.45 41.16N–.02 20.30E–.03 3–4 112 0-4
NEIC X 25 23 47 05.5 41.14N 20.34E 1 2.9L **¶11389483**

PDG X 25 23 47 05.5–.27 41.14N 20.34E 1–1 2.9L
TIR X 25 23 47 06.9–2.6 41.24N 20.31E 36–51 2.9L
CSEM X 25 23 47 06.7–.20 41.22N 20.29E 2 2.9L
SKO X 25 23 47 07.0 41.18N 20.21E 10 2.9L,2.5
ISCJB X 25 23 47 07.4–.29 41.20N–.02 20.31E–.03 10 2.9L,2.5
ISC Event type ke.
NEIC Event type se. After PDG.
PDG Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC X 26 03 46 51.4–.34 41.24N–.02 20.28E–.03 3–3 196 0-6
BEO X 26 03 46 48.1–1.3 40.88N 20.01E 0–0 3.0L **¶11389486**
TIR X 26 03 46 49.9–3.6 41.22N 20.30E 40–50 3.4L
ATH X 26 03 46 50.5 41.35N 20.19E 27–2 3.7
CSEM X 26 03 46 50.8–.13 41.26N 20.28E 2 3.7
SKO X 26 03 46 50.5 41.15N 20.23E 9 3.1L,2.6
ISCJB X 26 03 46 51.1–.22 41.23N–.01 20.26E–.02 10 3.1L,2.6
NEIC X 26 03 46 51.2 41.22N 20.17E 5 3.0L,2.6
PDG X 26 03 46 51.2–.36 41.22N 20.17E 5–1 3.0L,2.6
ISC Event type ke.
TIR Error ellipse: s-maj=7.4km s-min=24.3km az=-1.0.
ATH Error ellipse: s-maj=2.5km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=2.3km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.5km az=147.6.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.2km az=0.0.
ISC X 26 05 27 39.1–.56 41.21N–.03 20.30E–.04 3–6 30 0-3
TIR X 26 05 27 33.5–2.3 41.22N 20.36E 0–70 3.0L **¶11406418**
SKO X 26 05 27 37.7 41.23N 20.25E 18 3.0L
ISCJB X 26 05 27 38.5–.47 41.23N–.03 20.33E–.04 10 3.0L
CSEM X 26 05 27 38.8–.43 41.20N 20.27E 2 2.1L
BEO X 26 05 27 41.9–1.1 41.27N 20.18E 2–5 2.1L
ISC Event type ke.
TIR Error ellipse: s-maj=67.2km s-min=191.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=144.4.
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=7.1km az=69.0.
ISC X 26 06 07 03.6–.42 41.20N–.02 20.30E–.04 3–4 153 0-3
TIR X 26 06 06 57.9–2.3 41.22N 20.33E 0–96 3.1L **¶11389489**
THE X 26 06 07 02.5 41.21N 20.32E 0–2 2.8L
ATH X 26 06 07 02.0 41.43N 20.02E 40–1 3.5
ISCJB X 26 06 07 03.6–.26 41.22N–.02 20.29E–.03 10 3.5
BEO X 26 06 07 03.4–1.4 41.03N 20.07E 5–3 2.7L
CSEM X 26 06 07 03.7–.19 41.20N 20.23E 2 3.5
PDG X 26 06 07 03.2–.37 41.22N 20.24E 4–1 3.0L
NEIC X 26 06 07 03.2 41.22N 20.24E 4 3.0L
ISC Event type ke.
TIR Error ellipse: s-maj=89.5km s-min=253.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=23.0.
ATH Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=1.8km az=146.9.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=3.3km az=54.0.
PDG Event type ke. Error ellipse: s-maj=1.8km s-min=2.2km az=0.0.
NEIC Event type se. After PDG.
ISC X 26 09 01 41.0–1.0 41.12N–.06 20.21E–.05 10 32 0-3
ISCJB X 26 09 01 38.5–1.4 40.98N–.08 20.18E–.06 10 **¶11749460**
SKO X 26 09 01 38.7 41.13N 20.13E 0 2.7L,2.3
CSEM X 26 09 01 41.1–1.1 41.13N 20.17E 2 2.2L,2.3
BEO X 26 09 01 42.0–.75 41.17N 20.21E 0–0 2.2L,2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=5.0km az=21.3.
CSEM Event type ke. Error ellipse: s-maj=21.9km s-min=11.8km az=1.0.
ISC X 26 21 52 11.8–.77 41.15N–.05 20.22E–.06 14–6 26 0-3
TIR X 26 21 52 06.8–1.9 41.17N 20.24E 0–969 3.0L **¶11406419**
ISCJB X 26 21 52 11.2–.69 41.19N–.04 20.24E–.06 9–7 3.0L
CSEM X 26 21 52 11.5–.54 41.15N 20.20E 15 3.0L
SKO X 26 21 52 12.0 41.35N 20.30E 8 3.0L
BEO X 26 21 52 12.2 41.15N 19.50E 5–0 2.0L
ISC Event type ke.
TIR Error ellipse: s-maj=5.0km s-min=9.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=4.4km az=43.1.
CSEM Event type ke. Error ellipse: s-maj=22.4km s-min=8.7km az=58.0.
ISC X 27 23 27 05.6–.52 41.23N–.03 20.34E–.04 4–8 34 0-2
TIR X 27 23 27 03.2–1.7 41.25N 20.23E 4–20 2.9L **¶11406420**
ISCJB X 27 23 27 04.9–.54 41.23N–.03 20.35E–.04 1–10 2.9L
CSEM X 27 23 27 04.7–.22 41.29N 20.37E 2 2.9L
THE X 27 23 27 04.6 41.25N 20.35E 0–5 2.0L
SKO X 27 23 27 05.2 41.20N 20.29E 5 2.0L,1.7
ISC Event type ke.
TIR Error ellipse: s-maj=8.8km s-min=13.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.1km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.1km az=44.0.
THE Event type ke. Error ellipse: s-maj=6.3km s-min=1.1km az=22.0.
ISC X 28 02 41 14.0–.76 41.28N–.05 20.31E–.05 2–7 20 0-1
TIR X 28 02 41 10.2–2.9 41.29N 20.35E 1–28 3.1L **¶11406421**
CSEM X 28 02 41 10.2 41.29N 20.35E 1 3.1L
ISCJB X 28 02 41 14.0–.60 41.27N–.04 20.34E–.04 10 3.1L
SKO X 28 02 41 13.7 41.22N 20.29E 10 3.1L
ISC Event type ke.
TIR Error ellipse: s-maj=6.6km s-min=75.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIR.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=23.2.
ISC X 28 03 58 04.1–.62 41.27N–.04 20.33E–.04 8–14 24 0-1
CSEM X 28 03 57 59.2 41.29N 20.31E 1 3.0L **¶11406422**
TIR X 28 03 57 59.2–1.8 41.29N 20.31E 1–7 3.0L
ISCJB X 28 03 58 03.6–.58 41.24N–.03 20.33E–.04 0–18 3.0L
SKO X 28 03 58 04.1 41.22N 20.30E 4 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIR.
TIR Error ellipse: s-maj=4.8km s-min=7.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=40.1.
ISC X 28 12 08 08.2–.42 41.20N–.02 20.32E–.03 0–3 132 0-3
TIR X 28 12 08 03.3–3.3 41.22N 20.31E 0–12 3.0L **¶11389503**
SKO X 28 12 08 07.8 41.15N 20.27E 8 2.5L,2.2
THE X 28 12 08 07.8 41.23N 20.32E 0–2 2.4L,2.2
ISCJB X 28 12 08 08.3–.27 41.23N–.02 20.31E–.03 10 2.4L,2.2
CSEM X 28 12 08 08.3–.20 41.20N 20.36E 2 3.0L,2.2
PDG X 28 12 08 09.2–.35 41.24N 20.13E 2–0 2.8L,2.2
NEIC X 28 12 08 09.2 41.24N 20.13E 2 2.8L,2.2
ISC Event type ke.
TIR Error ellipse: s-maj=8.1km s-min=13.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=350.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=143.2.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=3.7km az=56.0.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.9km az=0.0.
NEIC Event type se. After PDG.
ISC X 28 12 23 29.0–.37 41.21N–.01 20.35E–.02 3–3 244 0-5
TIR X 28 12 23 23.4–3.3 41.22N 20.34E 0–13 3.5L **¶11389504**
BEO X 28 12 23 25.9–.84 40.91N 20.14E 1–3 3.0L
ATH X 28 12 23 27.6 41.31N 20.41E 19–2 3.8
ISCJB X 28 12 23 27.9–.36 41.23N–.01 20.36E–.02 0–3 3.8
THE X 28 12 23 28.4 41.27N 20.36E 2–1 3.0L
CSEM X 28 12 23 28.6–.13 41.22N 20.36E 2 3.5L
PDG X 28 12 23 28.3–.50 41.29N 20.39E 2–1 3.5,3.4L
SKO X 28 12 23 28.1 41.10N 20.27E 1 3.2L,2.8
NEIC X 28 12 23 28.3 41.29N 20.39E 2 3.5L,3.4L
ISC Event type ke.
TIR Error ellipse: s-maj=8.1km s-min=14.5km az=-1.0.
ATH Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=149.4.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=322.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=2.3km az=58.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.4km az=0.0.
NEIC Event type se. After PDG.
ISC X 28 15 06 44.1–.60 41.30N–.04 20.35E–.05 5–11 25 0-3
TIR X 28 15 06 39.5–2.8 41.22N 20.31E 0–10 3.0L **¶11406424**
ISCJB X 28 15 06 43.7–.56 41.27N–.03 20.35E–.05 4–12 3.0L
CSEM X 28 15 06 43.4–.46 41.29N 20.37E 0–4 3.0L
SKO X 28 15 06 43.9 41.37N 20.33E 6 3.0L
ISC Event type ke.
TIR Error ellipse: s-maj=6.8km s-min=11.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.5km az=140.9.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=5.5km az=64.0.
ISC X 28 15 19 45.8–.39 41.19N–.01 20.32E–.02 0–3 255 0-7
TIR X 28 15 19 40.6–3.5 41.22N 20.33E 0–22 3.5L **¶11389506**
ATH X 28 15 19 44.6 41.23N 20.35E 12–2 3.7
ISCJB X 28 15 19 45.8–.21 41.23N–.01 20.32E–.02 10 3.7
THE X 28 15 19 45.7 41.24N 20.34E 2–1 3.2L
NEIC X 28 15 19 45.4 41.22N 20.37E 2 3.5L
SKO X 28 15 19 45.6 41.16N 20.25E 11 3.6L,2.9
PDG X 28 15 19 45.4–.79 41.22N 20.37E 2–1 3.5L,3.5
CSEM X 28 15 19 45.4–.11 41.20N 20.30E 2 3.1L,3.5
BEO X 28 15 19 47.9–.55 41.25N 20.23E 0–0 3.1L,3.5
ISC Event type ke.
TIR Error ellipse: s-maj=8.4km s-min=14.9km az=-1.0.
ATH Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=145.7.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=338.0.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.9km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=55.0.
ISC X 28 16 25 00.1–.90 41.17N–.06 20.1E–.10 10 17 0-1
SKO X 28 16 24 45.4 41.55N 19.88E 166 **¶11406427**
CSEM X 28 16 24 54.7 41.18N 20.18E 0 2.5L
TIR X 28 16 24 54.7 41.18N 20.18E 0 2.5L
ISCJB X 28 16 24 59.5–.80 41.19N–.05 20.20E–.09 10 2.5L
ISC Event type ke.
CSEM Event type ke. After TIR.
ISCJB Event type ke.
ISC X 28 16 30 33.5–.72 41.17N–.04 20.25E–.07 12–13 22 0-1
CSEM X 28 16 30 28.0 41.19N 20.23E 0 2.8L **¶11406428**
TIR X 28 16 30 28.0–2.3 41.19N 20.23E 0–8 2.8L
SKO X 28 16 30 32.2 41.38N 20.33E 10 2.8L
ISCJB X 28 16 30 33.0–.69 41.21N–.04 20.31E–.06 12–13 2.8L
ISC Event type ke.
CSEM Event type ke. After TIR.
ISCJB Event type ke.
ISC X 28 22 32 26.8–.66 41.29N–.05 20.35E–.05 7–15 19 0-1
CSEM X 28 22 32 24.2 41.21N 20.28E 40 2.6L **¶11406430**
TIR X 28 22 32 24.2–.63 41.21N 20.28E 40–6 2.6L
ISCJB X 28 22 32 26.3–.65 41.27N–.04 20.35E–.05 1–18 2.6L
SKO X 28 22 32 26.5 41.31N 20.32E 15 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIR.
TIR Error ellipse: s-maj=13.8km s-min=32.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=5.6km az=29.6.
ISC X 28 22 34 37.0–.64 41.24N–.04 20.36E–.05 5–16 19 0-1
CSEM X 28 22 34 32.4 41.25N 20.32E 7 3.0L **¶11406431**
TIR X 28 22 34 32.4–1.9 41.25N 20.32E 7–16 3.0L
ISCJB X 28 22 34 36.2–.61 41.24N–.03 20.36E–.05 10 3.0L
SKO X 28 22 34 36.0 41.35N 20.33E 11 3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIR.
TIR Error ellipse: s-maj=4.2km s-min=31.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=143.2.
ISC X 29 02 22 33.3–.47 41.27N–.02 20.38E–.03 1–4 78 0-3
TIR X 29 02 22 27.8–2.4 41.23N 20.32E 1–8 3.0L **¶11406432**
BEO X 29 02 22 32.9–.59 41.22N 20.37E 0–0 2.5L
CSEM X 29 02 22 32.8–.15 41.26N 20.38E 2 3.0L
THE X 29 02 22 32.3 41.32N 20.39E 0–2 2.6L
SKO X 29 02 22 32.8 41.17N 20.24E 15 2.3
ISCJB X 29 02 22 33.2–.34 41.31N–.02 20.40E–.03 10 2.3
ISC Event type ke.
CSEM Event type ke.
THE Event type ke.
ISCJB Event type ke.
ISC X 29 02 25 07.1–.59 41.34N–.04 20.39E–.04 10 24 0-1
CSEM X 29 02 25 02.4 41.23N 20.33E 0 2.9L **¶11406433**
TIR X 29 02 25 02.4–3.9 41.23N 20.33E 0–14 2.9L
ISCJB X 29 02 25 06.5–.59 41.34N–.04 20.40E–.04 10 2.9L
SKO X 29 02 25 06.6 41.39N 20.35E 6 1.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIR.
TIR Error ellipse: s-maj=9.2km s-min=15.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=32.1.
ISC X 29 02 37 53.8–.70 41.27N–.04 20.34E–.05 1–18 19 0-1
TIR X 29 02 37 49.7–2.0 41.23N 20.25E 1–15 2.8L **¶11406434**
CSEM X 29 02 37 49.7 41.23N 20.25E 1 2.8L
ISCJB X 29 02 37 53.3–.62 41.25N–.03 20.34E–.05 10 2.8L
SKO X 29 02 37 53.0 41.33N 20.31E 11 2.8L
ISC Event type ke.
TIR Error ellipse: s-maj=4.6km s-min=22.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIR.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=141.8.
ISC X 29 03 13 19.8–.39 41.21N–.02 20.34E–.02 2–3 228 0-7
TIR X 29 03 13 16.5–1.9 41.23N 20.32E 2–20 3.4L **¶11389514**
SKO X 29 03 13 18.5 41.14N 20.22E 17 3.4L,3.1
ATH X 29 03 13 18.3 41.28N 20.36E 16–3 3.9,3.1
THE X 29 03 13 19.0 41.25N 20.35E 0–1 3.0L,3.1
ISCJB X 29 03 13 19.9–.22 41.24N–.01 20.35E–.02 10 3.0L,3.1
CSEM X 29 03 13 19.9–.12 41.18N 20.38E 2 2.9L,3.1
NEIC X 29 03 13 19.4 41.24N 20.40E 4 3.4L,3.1
PDG X 29 03 13 19.4–.47 41.24N 20.40E 4–1 3.4L,3.4
BEO X 29 03 13 20.9–.75 41.23N 20.26E 4–4 2.9L,3.4
ISC Event type ke.
TIR Error ellipse: s-maj=8.8km s-min=12.3km az=-1.0.
ATH Error ellipse: s-maj=2.4km s-min=3.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=333.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.6km az=149.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=57.0.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.1km az=0.0.
ISC X 29 18 04 21.6–.33 41.17N–.01 20.30E–.02 4–2 259 0-7
TIR X 29 18 04 17.5–2.3 41.22N 20.28E 2–8 3.5L **¶11389523**
ATH X 29 18 04 18.4 41.32N 20.26E 10–2 3.6
ISCJB X 29 18 04 20.5–.32 41.19N–.01 20.32E–.02 3–2 3.6
PDG X 29 18 04 21.4–1.0 41.23N 20.32E 2–2 3.5L,3.5
SKO X 29 18 04 21.8 41.09N 20.44E 42 3.5L,3.1
NEIC X 29 18 04 21.4 41.23N 20.32E 2 3.5L,3.1
BEO X 29 18 04 21.7–1.0 41.13N 20.31E 2–4 3.1L,3.1
CSEM X 29 18 04 21.3–.12 41.17N 20.30E 2 3.5L,3.1
THE X 29 18 04 22.0 41.22N 20.39E 2–1 3.3L,3.1
ISC Event type ke.
TIR Error ellipse: s-maj=5.4km s-min=9.3km az=-1.0.
ATH Error ellipse: s-maj=2.5km s-min=2.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=143.0.
PDG Event type ke. Error ellipse: s-maj=2.3km s-min=3.0km az=0.0.
NEIC Event type se. After PDG.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=55.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=327.0.
ISC X 30 17 57 46.6–.47 41.20N–.02 20.33E–.04 11–4 49 0-3
TIR X 30 17 57 41.3–1.7 41.17N 20.27E 0–6 3.0L **¶11406439**
SKO X 30 17 57 45.0 41.16N 20.15E 0 2.6L,2.2

CSEM X 30 17 57 45.0–.29 41.32N 20.43E 2 3.0L,2.2
ISCJB X 30 17 57 46.1–.48 41.19N–.02 20.35E–.03 6–4 3.0L,2.2
ATH X 30 17 57 52.7 40.78N 20.61E 24–5 3.4,2.2
BEO X 30 17 57 55.4–.88 41.64N 20.62E 0–0 2.6L,2.2
ISC Event type ke.
TIR Error ellipse: s-maj=4.2km s-min=7.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.5km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=158.3.
ATH Error ellipse: s-maj=7.7km s-min=5.3km az=-1.0.
ISC X 30 19 50 55.0–.56 41.34N–.03 20.38E–.04 3–7 33 0-3
TIR X 30 19 50 51.2–2.0 41.19N 20.25E 1–7 3.0L **¶11406440**
SKO X 30 19 50 53.6 41.14N 20.11E 0 2.0
ISCJB X 30 19 50 54.2–.58 41.36N–.03 20.39E–.04 0–7 2.0
CSEM X 30 19 50 55.0–.24 41.31N 20.40E 2 3.0L
BEO X 30 19 50 55.7–.86 41.33N 20.43E 0–0 2.3L
ISC Event type ke.
TIR Error ellipse: s-maj=5.1km s-min=8.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.4km az=169.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=97.0.
ISC X 31 00 01 37.9–.69 41.22N–.05 20.30E–.06 10 19 0-1
CSEM X 31 00 01 32.8 41.13N 20.18E 0 2.7L **¶11406441**
TIR X 31 00 01 32.8–1.9 41.13N 20.18E 0–983 2.7L
SKO X 31 00 01 36.9 41.24N 20.20E 0 2.7L
ISCJB X 31 00 01 37.2–.66 41.23N–.05 20.31E–.06 10 2.7L
ISC Event type ke.
CSEM Event type ke. After TIR.
ISCJB Event type ke.
ISC X 31 08 34 26.6–.54 40.78N–.02 19.84E–.03 4–3 96 1-3
THE X 31 08 34 25.7 40.83N 19.89E 0–5 2.6L **¶11406442**
ATH X 31 08 34 25.9 40.80N 19.86E 15–1 3.1
TIR X 31 08 34 25.7–3.0 40.85N 20.11E 0–11 3.0L
ISCJB X 31 08 34 26.1–.53 40.77N–.02 19.87E–.03 3–3 3.0L
CSEM X 31 08 34 27.0–.29 40.75N 19.87E 10 3.0L
BEO X 31 08 34 36.5–1.4 41.22N 20.38E 10–5 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=7.8km s-min=2.0km az=322.0.
ATH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
TIR Error ellipse: s-maj=26.9km s-min=37.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=163.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.3km az=84.0.
ISC XI 01 21 07 19.2–.60 41.27N–.04 20.36E–.05 10 25 0-1
TIR XI 01 21 07 14.2–1.7 41.28N 20.30E 1–6 2.8L **¶12071909**
SKO XI 01 21 07 17.6 41.36N 20.27E 8 2.8L
ISCJB XI 01 21 07 18.8–.59 41.25N–.04 20.36E–.05 10 2.8L
CSEM XI 01 21 07 18.4–.43 41.26N 20.36E 0–5 2.8L
ISC Event type ke.
TIR Error ellipse: s-maj=4.1km s-min=7.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.1km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.4km az=43.0.
ISC XI 02 22 37 59.2–.60 41.19N–.04 20.29E–.06 10 26 0-1
TIR XI 02 22 37 56.1–1.8 41.22N 20.30E 6–86 2.7L **¶12072043**
SKO XI 02 22 37 57.6 41.37N 20.31E 14 2.7L
ISCJB XI 02 22 37 58.6–.56 41.22N–.03 20.33E–.05 10 2.7L
CSEM XI 02 22 37 58.7–.44 41.22N 20.35E 2 2.7L
ISC Event type ke.
TIR Error ellipse: s-maj=2.9km s-min=8.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.6km az=147.0.
CSEM Event type ke. Error ellipse: s-maj=11.6km s-min=7.2km az=50.0.
ISC XI 03 00 29 26.3–.57 40.17N–.02 19.83E–.03 0–4 152 0-6
SKO XI 03 00 29 20.4 40.12N 19.35E 0 **¶12072056**
TIR XI 03 00 29 23.5–1.8 40.08N 19.91E 20–7 3.5L
ROM XI 03 00 29 23.3–.80 39.84N 20.17E 10–0 3.1L,2.8
ISCJB XI 03 00 29 25.8–.53 40.16N–.02 19.85E–.03 0–4 3.1L,2.8
ATH XI 03 00 29 25.2 40.20N 19.82E 13–1 3.5,2.8
CSEM XI 03 00 29 26.5–.16 40.14N 19.85E 2 3.5L,2.8
THE XI 03 00 29 27.0 40.15N 19.89E 0–2 2.6L,2.8
ISC Event type ke.
TIR Error ellipse: s-maj=3.4km s-min=6.5km az=-1.0.
ROM Event type ke. Error ellipse: s-maj=9.9km s-min=3.9km az=139.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=172.6.
ATH Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=69.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=288.0.
TIR XI 03 19 55 12.8–2.4 41.77N 20.42E 0–729 2.9L
CSEM XI 03 19 55 12.8 41.77N 20.42E 0 2.9L **¶12072162**
TIR Error ellipse: s-maj=5.1km s-min=13.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIR.
ISC XI 06 11 43 59.9–.74 41.20N–.05 20.32E–.05 10 22 0-1
TIR XI 06 11 43 53.5–3.1 41.28N 20.45E 0–999 3.0L **¶12072527**
ISCJB XI 06 11 43 59.1–.73 41.21N–.04 20.32E–.05 10 3.0L
CSEM XI 06 11 43 59.6–.39 41.25N 20.34E 10 3.0L
SKO XI 06 11 43 59.4 41.30N 20.42E 38 3.0L
ISC Event type ke.
TIR Error ellipse: s-maj=9.8km s-min=16.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.1km az=29.1.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=6.6km az=29.0.
ISC XI 08 22 36 04.2–.33 41.17N–.01 20.26E–.02 6–2 3.7b,3.3s 457 0-77
IDC XI 08 22 36 02.3–1.1 41.14N 20.27E 0 3.6b,3.6 **¶13399605**
PDG XI 08 22 36 03.9–.69 41.23N 20.32E 0–11 3.9L,3.8
SKO XI 08 22 36 03.7 41.22N 20.20E 0 3.8L,3.3
NEIC XI 08 22 36 03.8–.65 41.13N 20.22E 10 3.6L,3.3
CSEM XI 08 22 36 03.8–.12 41.15N 20.25E 5 3.6s,3.3
TIR XI 08 22 36 03.0–2.3 41.22N 20.33E 12–30 3.5L,3.3
BEO XI 08 22 36 04.0–.67 41.16N 20.32E 0–3 3.5L,3.3
VIE XI 08 22 36 05.8–.54 41.27N 20.24E 10–0 3.6s,3.1b
THE XI 08 22 36 05.4 41.20N 20.47E 0–2 3.6L,3.1b
LDG XI 08 22 36 05.4–.08 41.23N 20.39E 10–0 3.5L,3.1b
SOF XI 08 22 36 13.8 41.52N 21.22E 12 3.5,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=14.1km az=34.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=0.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.5km az=169.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=36.0.
TIR Error ellipse: s-maj=4.0km s-min=10.6km az=-1.0.
VIE Error ellipse: s-maj=9.4km s-min=3.0km az=34.0. 35 km ESE of Tirana .
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=284.0.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=1.8km az=34.0.
ISC XI 08 22 51 53.9–.82 41.10N–.04 20.22E–.04 2–7 71 0-5
ISCJB XI 08 22 51 53.5–.74 41.13N–.04 20.26E–.04 13–6 **¶11490409**
SKO XI 08 22 51 53.5 41.17N 20.13E 0
PDG XI 08 22 51 53.4–.44 41.11N 20.35E 0–11 2.6L
TIR XI 08 22 51 54.0–2.3 41.17N 20.32E 11–36 2.8L
CSEM XI 08 22 51 54.9–.36 41.14N 20.28E 2 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.2km az=33.0.
PDG Event type ke. Error ellipse: s-maj=2.3km s-min=3.1km az=0.0.
TIR Error ellipse: s-maj=7.7km s-min=16.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=5.2km az=35.0.
ISC XI 08 23 00 11.2–.81 41.20N–.06 20.32E–.08 9–11 18 0-1
TIR XI 08 23 00 06.1–1.6 41.28N 20.42E 0–796 2.8L **¶12072879**
ISCJB XI 08 23 00 10.7–.76 41.21N–.05 20.32E–.08 10 2.8L
CSEM XI 08 23 00 10.3–.42 41.21N 20.31E 20 2.8L
ISC Event type ke.
TIR Error ellipse: s-maj=4.1km s-min=8.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.9km az=139.9.
CSEM Event type ke. Error ellipse: s-maj=14.3km s-min=7.6km az=47.0.
ISC XI 12 14 58 25.4–.52 41.22N–.04 20.29E–.04 6–6 47 0-5
TIR XI 12 14 58 20.1–2.4 41.27N 20.41E 0–902 2.9L **¶12073311**
SKO XI 12 14 58 22.9 41.28N 20.15E 0 2.9L
ISCJB XI 12 14 58 24.6–.56 41.23N–.04 20.30E–.04 6–5 2.9L
CSEM XI 12 14 58 24.8–.25 41.22N 20.31E 2 2.9L
THE XI 12 14 58 24.6 41.27N 20.33E 0–8 2.3L
ISC Event type ke.
TIR Error ellipse: s-maj=4.3km s-min=8.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=3.4km az=36.2.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=3.5km az=38.0.
THE Event type ke. Error ellipse: s-maj=9.6km s-min=2.5km az=297.0.
ISC XI 14 09 09 31.5–1.5 42.00N–.07 20.47E–.05 7–12 24 0-2
CSEM XI 14 09 09 28.1–1.1 41.86N 20.46E 2 2.9L **¶11750585**
ISCJB XI 14 09 09 30.9–1.2 42.03N–.06 20.46E–.04 10 2.9L
BEO XI 14 09 09 33.0–.78 42.07N 20.48E 17–0 1.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=18.4km s-min=9.2km az=162.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=4.2km az=164.5.
ISC XI 14 16 48 20.8–1.3 41.35N–.06 19.5E–.10 17–9 22 0-5
TIR XI 14 16 48 16.8–3.0 41.45N 20.35E 0–25 2.9L **¶12073539**
ISCJB XI 14 16 48 19.0–1.6 41.36N–.05 19.4E–.10 9–10 2.9L
CSEM XI 14 16 48 21.7–.70 41.39N 19.65E 20 2.9L
ISC Event type ke.
TIR Error ellipse: s-maj=10.5km s-min=24.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=9.0km az=167.7.
CSEM Event type ke. Error ellipse: s-maj=20.7km s-min=13.8km az=68.0.
ISC XI 18 09 34 07.2–1.2 40.23N–.03 19.63E–.08 10 34 1-3
ISCJB XI 18 09 34 06.8–1.1 40.26N–.03 19.66E–.08 10 **¶13400515**
ATH XI 18 09 34 06.2 40.24N 19.60E 10–1 3.5
CSEM XI 18 09 34 08.4–.58 40.21N 19.72E 2 3.5
SKO XI 18 09 34 09.3 40.32N 19.64E 0 2.6L,2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=4.6km az=14.7.
ATH Error ellipse: s-maj=1.6km s-min=1.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=6.4km az=104.0.
ISC XI 29 08 56 45.3–.42 41.48N–.02 20.61E–.03 7–4 81 0-5
ATH XI 29 08 56 43.7 41.50N 20.60E 17–10 3.3 **¶12075240**
TIR XI 29 08 56 43.7 41.47N 20.56E 7 3.1L
BEO XI 29 08 56 44.0–.80 41.43N 20.65E 7–8 2.6L
SKO XI 29 08 56 44.9 41.38N 20.64E 23 2.6L,2.2
CSEM XI 29 08 56 44.8–.14 41.47N 20.63E 5 3.1L,2.2
ISCJB XI 29 08 56 44.4–.42 41.48N–.02 20.62E–.03 5–4 3.1L,2.2
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC XII 03 02 39 19.9–.50 41.78N–.03 20.07E–.03 0–4 93 0-5
ISCJB XII 03 02 39 18.8–.47 41.78N–.03 20.09E–.03 10 **¶11653383**
CSEM XII 03 02 39 19.4–.28 41.78N 20.06E 2 2.7L
TIR XII 03 02 39 19.6–.54 41.83N 20.21E 2–33 2.7L
PDG XII 03 02 39 20.8–.26 41.83N 20.03E 8–1 2.5L
BEO XII 03 02 39 24.3–.97 42.01N 20.05E 2–5 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=25.7.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=3.4km az=27.0.
TIR Error ellipse: s-maj=1.9km s-min=3.1km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
ISC XII 08 18 33 02.9–.81 40.31N–.03 19.01E–.05 13–4 95 1-5
ISCJB XII 08 18 33 01.3–.81 40.31N–.02 18.95E–.05 11–5 **¶11751637**
CSEM XII 08 18 33 03.4–.42 40.31N 19.11E 10–0 2.4L
THE XII 08 18 33 03.1 40.29N 19.05E 8–1 2.9L
ATH XII 08 18 33 03.4 40.28N 19.10E 33–3 3.6
BEO XII 08 18 33 17.8–.83 41.19N 19.10E 0–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.3km az=155.6.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=4.4km az=79.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=263.0.
ATH Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0.
ISC XII 14 06 35 50.4–.33 41.99N–.02 20.26E–.02 7–4 111 0-5
CSEM XII 14 06 35 49.8–.17 41.98N 20.26E 2 3.0L **¶11653465**
SKO XII 14 06 35 50.0 41.94N 20.11E 0 2.4L,2.0
TIR XII 14 06 35 49.0 41.98N 20.23E 0 3.0L,2.0
ISCJB XII 14 06 35 49.5–.32 42.00N–.02 20.26E–.02 8–4 3.0L,2.0
PDG XII 14 06 35 51.2–.24 42.01N 20.18E 7–1 2.5L,2.0
BEO XII 14 06 35 51.0–.33 41.98N 20.24E 11–3 2.2L,2.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=140.5.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.2km az=0.0.
ISC XII 19 04 38 58.0–.35 41.93N–.02 20.79E–.02 0–3 143 0-7
SKO XII 19 04 38 55.9 41.92N 20.64E 15 2.8L,2.5 **¶11598059**
ISCJB XII 19 04 38 57.8–.24 41.93N–.02 20.76E–.02 10 2.8L,2.5
PDG XII 19 04 38 57.7–.37 41.97N 20.77E 0–11 3.0L,3.0
CSEM XII 19 04 38 57.4–.13 41.97N 20.75E 2 2.9L,3.0
BEO XII 19 04 38 59.4–.34 42.01N 20.75E 11–3 2.7L,3.0
THE XII 19 04 38 59.5 41.87N 20.74E 6–2 2.9L,3.0
TIR XII 19 04 39 56.2–.44 41.98N 20.70E 0–508 2.8L,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=35.7.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=57.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.1km az=232.0.
TIR Error ellipse: s-maj=7.7km s-min=8.8km az=-1.0.
ISC XII 20 05 24 49.2–.30 41.39N–.01 20.42E–.02 1–2 289 0-7
SKO XII 20 05 24 46.4 41.30N 20.35E 15 3.6L,3.3 **¶11598061**
ATH XII 20 05 24 47.4 41.60N 20.60E 8–1 3.6,3.3
TIR XII 20 05 24 47.1 41.37N 20.31E 18 3.5L,3.3
BEO XII 20 05 24 47.8–.59 41.26N 20.43E 5–3 3.1L,3.3
THE XII 20 05 24 48.8 41.38N 20.41E 0–1 3.2L,3.3
PDG XII 20 05 24 48.7–.13 41.34N 20.32E 2–0 3.5L,3.5
ISCJB XII 20 05 24 48.1–.32 41.40N–.01 20.40E–.02 2–2 3.5L,3.5
CSEM XII 20 05 24 48.7–.11 41.39N 20.41E 2 3.2L,3.5
ISC Event type ke.
ATH Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=297.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=149.2.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=49.0.
ISC XII 26 07 33 39.4–1.5 41.29N–.07 20.45E–.07 10 6 0-1
ISCJB XII 26 07 33 39.0–1.4 41.30N–.07 20.44E–.07 10 **¶11598066**
TIR XII 26 07 33 40.6–1.0 41.47N 20.24E 2–69 3.0L
ISCJB Error ellipse: s-maj=10.1km s-min=7.8km az=168.8.
TIR Error ellipse: s-maj=3.2km s-min=4.9km az=-1.0.
ISC XII 28 05 34 25.0–.94 41.83N–.06 19.8E–.10 23–13 9 0-2
TIR XII 28 05 34 23.8 41.81N 19.75E 2 2.8L **¶11598068**
ISCJB XII 28 05 34 24.8–.90 41.84N–.06 19.8E–.10 26–13 2.8L
ISC XII 29 14 59 37.7–.80 41.72N–.04 20.41E–.06 10 17 1-2
TIR XII 29 14 59 07.8 42.06N 20.04E 0 3.3L **¶11598070**
BEO XII 29 14 59 36.9–.92 41.77N 20.47E 0–0 2.2L
ISCJB XII 29 14 59 37.1–.80 41.71N–.04 20.41E–.06 10 2.2L
CSEM XII 29 14 59 37.1–1.1 41.79N 20.40E 2 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.4km az=143.7.
CSEM Event type ke. Error ellipse: s-maj=35.1km s-min=13.2km az=104.0.

(392) Greece-Albania border region.

ISC VII 01 09 40 08.6–1.5 40.85N–.05 20.7E–.10 33–9 12 0-1
SKO VII 01 09 40 08.7 40.82N 20.79E 22 1.1L,0.6 **¶13379024**
ISCJB VII 01 09 40 09.3–2.1 40.84N–.05 20.8E–.10 33–24 1.1L,0.6
THE VII 01 09 40 09.1 40.88N 20.80E 31–6 2.5L,0.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.1km s-min=9.1km az=3.2.
THE Event type ke. Error ellipse: s-maj=6.4km s-min=0.8km az=321.0.
ATH VII 02 15 57 26.5 39.30N 20.84E 64–16
CSEM VII 02 15 57 27.7–.29 39.34N 20.82E 73–5 3.0L **¶12950841**
THE VII 02 15 57 29.9 39.39N 20.93E 28–4 3.0L
ATH Error ellipse: s-maj=5.0km s-min=2.2km az=-1.0.

CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.0km az=22.0.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=1.3km az=208.0.
ISC VII 12 13 05 21.1–1.0 40.99N–.04 20.15E–.06 4–12 24 1-2
ISCJB VII 12 13 05 20.4–.92 41.00N–.04 20.15E–.05 10 **¶11255404**
TIR VII 12 13 05 20.7–1.6 41.03N 20.31E 37–41 3.2L
CSEM VII 12 13 05 20.7 41.03N 20.31E 37 3.2L
SKO VII 12 13 05 21.3 41.01N 20.15E 14 2.2L,1.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.7km az=138.9.
TIR Error ellipse: s-maj=5.4km s-min=32.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After TIR.
ISC VII 16 21 11 14.4–1.5 40.83N–.04 20.7E–.10 19–8 26 0-1
ISCJB VII 16 21 11 14.0–1.5 40.83N–.04 20.7E–.10 26–12 **¶13389410**
SKO VII 16 21 11 14.0 40.85N 20.75E 27 1.6L,1.1
CSEM VII 16 21 11 15.0 40.83N 20.76E 18 3.0L,1.1
THE VII 16 21 11 15.0 40.83N 20.76E 18–1 3.0L,1.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=7.1km az=169.4.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=327.0.
ISC VII 20 09 22 37.7–.45 39.47N–.02 20.55E–.02 0–4 138 0-7
ISCJB VII 20 09 22 37.8–.28 39.47N–.02 20.53E–.02 10 **¶12951513**
CSEM VII 20 09 22 37.6–.14 39.46N 20.55E 2 3.5L
THE VII 20 09 22 37.7 39.46N 20.56E 0–1 3.5L
NEIC VII 20 09 22 37.8 39.48N 20.62E 7 3.2
ATH VII 20 09 22 37.8 39.48N 20.62E 7–3 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=31.3.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=40.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=264.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
ISC VII 20 22 15 20.4–.52 39.42N–.03 20.65E–.04 4–6 51 0-2
CSEM VII 20 22 15 19.9–.18 39.43N 20.64E 8 3.0 **¶12951493**
ISCJB VII 20 22 15 20.1–.48 39.42N–.03 20.64E–.03 10 3.0
ATH VII 20 22 15 20.5 39.43N 20.71E 15–4 3.0
THE VII 20 22 15 20.1 39.41N 20.65E 4–0 2.2L
NEIC VII 20 22 15 20.5 39.43N 20.71E 15 3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=23.0.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=21.0.
ATH Error ellipse: s-maj=1.9km s-min=1.4km az=-1.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=235.0.
NEIC Event type se. After ATH.
ISC VII 22 00 10 06.1–.30 39.81N–.02 20.62E–.02 15–2 169 0-9
TIR VII 22 00 10 05.6–.57 40.05N 20.52E 0–253 3.4L **¶11255409**
ATH VII 22 00 10 05.0 39.82N 20.67E 23–1 3.2L
NEIC VII 22 00 10 05.0 39.82N 20.67E 23 3.2L
THE VII 22 00 10 06.0 39.83N 20.66E 3–0 3.8L
CSEM VII 22 00 10 06.0–.12 39.81N 20.61E 15 3.2L
ISCJB VII 22 00 10 06.0–.31 39.80N–.02 20.59E–.02 24–3 3.2L
ISC Event type ke.
NEIC Event type se. After ATH.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VII 25 14 19 04.4–.75 39.91N–.04 20.54E–.06 8–13 16 0-2
ATH VII 25 14 19 02.9 39.99N 20.54E 5 3.2 **¶13390073**
CSEM VII 25 14 19 02.9 39.99N 20.54E 5 3.2
ISCJB VII 25 14 19 03.8–.73 39.94N–.04 20.51E–.05 10 3.2
ISC Event type ke.
CSEM Event type ke. After ATH.
ISCJB Event type ke.
ISC VII 26 04 03 02.9–.83 40.78N–.02 20.83E–.04 12–13 35 0-2
TIR VII 26 04 03 00.4–2.8 40.77N 20.58E 0–13 3.1L **¶11255410**
THE VII 26 04 03 01.5 40.83N 20.79E 13–0 3.3L
ISCJB VII 26 04 03 02.3–.49 40.80N–.02 20.84E–.04 10 3.3L
SKO VII 26 04 03 02.7 40.85N 20.87E 11 2.2L,1.9
CSEM VII 26 04 03 03.5–.32 40.74N 20.85E 2 3.2L,1.9
ISC Event type ke.
TIR Error ellipse: s-maj=6.7km s-min=9.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=296.0.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=178.1.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.9km az=76.0.
ISC VIII 01 08 09 38.8–.44 39.96N–.02 20.54E–.03 8–4 81 0-4
TIR VIII 01 08 09 37.8–.96 40.18N 20.34E 0–5 3.6L **¶11255412**
THE VIII 01 08 09 38.7 39.94N 20.56E 6–1 2.6L
NEIC VIII 01 08 09 38.0 39.98N 20.51E 25 3.0
ATH VIII 01 08 09 38.0 39.98N 20.51E 25–1 3.0
SKO VIII 01 08 09 38.6 39.94N 20.62E 42 3.0
CSEM VIII 01 08 09 38.6–.17 39.96N 20.54E 10 3.6L
ISCJB VIII 01 08 09 38.4–.48 39.98N–.02 20.51E–.03 8–4 3.6L
BEO VIII 01 08 09 44.9–1.3 40.61N 20.30E 0–0 2.1L
ISC Event type ke.
TIR Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=255.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.9km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=40.8.
ISC VIII 04 13 42 50.4–.40 39.43N–.01 20.54E–.02 15–3 3.7b,2.6s 266 0-60
TIR VIII 04 13 42 43.8 39.11N 20.55E 0 4.7L,2.6s **¶11255420**
IDC VIII 04 13 42 46.4–1.3 39.29N 20.65E 0 3.9,3.8
NEIC VIII 04 13 42 48.8 39.42N 20.67E 8 3.1,3.8
ATH VIII 04 13 42 48.8 39.42N 20.67E 8–3 3.1,3.8
ISCJB VIII 04 13 42 49.9–.36 39.45N–.02 20.48E–.03 23–3 3.7b,2.6s
CSEM VIII 04 13 42 49.0–.13 39.42N 20.58E 2 3.6L,2.6s
THE VIII 04 13 42 49.3 39.43N 20.63E 0–1 3.6L,2.6s
SKO VIII 04 13 42 52.5 39.40N 20.81E 17 3.6L,2.6s
PDG VIII 04 13 43 00.4–1.8 40.00N 20.01E 14–7 3.3L,2.6s
ISC Event type ke.
IDC Error ellipse: s-maj=28.9km s-min=21.1km az=128.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.8km s-min=1.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=146.4.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=52.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=271.0.
PDG Event type ke. Error ellipse: s-maj=7.9km s-min=14.0km az=0.0.
ISC VIII 05 21 23 02.1–.35 39.45N–.02 20.59E–.03 10 113 0-3
SKO VIII 05 21 23 00.8 39.27N 20.59E 0 **¶12099704**
ISCJB VIII 05 21 23 01.8–.34 39.45N–.02 20.60E–.03 10
THE VIII 05 21 23 01.6 39.42N 20.59E 0–4 2.4L
NEIC VIII 05 21 23 01.4 39.43N 20.63E 10 3.6
ATH VIII 05 21 23 01.4 39.43N 20.63E 10–1 3.6
CSEM VIII 05 21 23 01.6–.21 39.43N 20.63E 2–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=136.2.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.5km az=248.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=4.0km az=81.0.
ISC VIII 06 04 02 07.5–.47 39.42N–.02 20.53E–.04 3–5 83 0-2
TIR VIII 06 04 02 00.4–1.2 40.08N 18.99E 0–0 **¶11255426**
ATH VIII 06 04 02 01.3 39.61N 20.40E 5 3.6
CSEM VIII 06 04 02 06.7–.26 39.42N 20.57E 2 2.4L
THE VIII 06 04 02 07.0 39.41N 20.53E 0–2 2.4L
ISCJB VIII 06 04 02 07.6–.38 39.41N–.02 20.49E–.03 10 2.4L
SKO VIII 06 04 02 11.0 39.55N 20.77E 0 2.4L
ISC Event type ke.
TIR Error ellipse: s-maj=9.4km s-min=7.5km az=-1.0.
ATH Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0.

CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=64.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=259.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=156.9.
ATH VIII 16 14 06 57.4 39.39N 20.27E 35–4 3.5
NEIC VIII 16 14 06 57.4 39.39N 20.27E 35 3.5 **¶12099987**
CSEM VIII 16 14 06 57.4 39.39N 20.27E 35 3.5
ATH Error ellipse: s-maj=2.9km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VIII 20 09 08 43.5–.38 39.73N–.02 20.43E–.03 13–3 85 0-4
ATH VIII 20 09 08 41.4 39.86N 20.47E 23–1 3.3 **¶11255462**
NEIC VIII 20 09 08 41.4 39.86N 20.47E 23 3.8
SKO VIII 20 09 08 41.8 39.64N 20.34E 0 3.8
CSEM VIII 20 09 08 43.1–.20 39.74N 20.43E 10 2.2L
THE VIII 20 09 08 43.5 39.73N 20.46E 5–1 2.2L
ISCJB VIII 20 09 08 43.1–.38 39.72N–.02 20.46E–.04 8–4 2.2L
TIR VIII 20 09 08 45.1–2.2 40.10N 20.22E 2–207 3.1L
ISC Event type ke.
ATH Error ellipse: s-maj=1.3km s-min=0.6km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=68.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=277.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=14.7.
TIR Error ellipse: s-maj=16.0km s-min=18.4km az=-1.0.
ISC VIII 21 04 49 36.1–.88 39.38N–.05 20.63E–.05 2–9 38 0-3
TIR VIII 21 04 49 30.5 38.95N 20.55E 2 3.9L **¶11255464**
ATH VIII 21 04 49 35.4 39.49N 20.61E 29–2 3.4
NEIC VIII 21 04 49 35.4 39.49N 20.61E 29 3.4
CSEM VIII 21 04 49 35.4 39.49N 20.61E 29 3.4
ISCJB VIII 21 04 49 36.2–.60 39.43N–.04 20.65E–.05 10 3.4
ISC Event type ke.
NEIC Event type se. After ATH.
CSEM Event type ke. After ATH.
ISCJB Event type ke.
ISC VIII 24 06 22 55.4–.27 39.39N–.02 20.67E–.03 40–8 178 0-7
ISCJB VIII 24 06 22 54.2–.30 39.39N–.02 20.65E–.03 53–6 **¶12100199**
ATH VIII 24 06 22 54.2 39.36N 20.76E 38–1 3.7
NEIC VIII 24 06 22 54.2 39.36N 20.76E 38 3.7
CSEM VIII 24 06 22 55.1–.15 39.39N 20.70E 32–2 3.7
THE VIII 24 06 22 55.3 39.39N 20.79E 15–3 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=42.1.
ATH Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=35.0.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.2km az=248.0.
ISC VIII 28 03 31 13.6–.29 40.70N–.01 20.71E–.02 5–2 3.4b 342 0-93
TIR VIII 28 03 31 09.9–6.4 40.76N 20.23E 0–999 3.4b **¶11255492**
ATH VIII 28 03 31 11.8 40.76N 20.77E 6–1 4.0L
ISCJB VIII 28 03 31 12.5–.31 40.72N–.01 20.67E–.02 6–2 3.4b
SKO VIII 28 03 31 12.3 40.58N 20.63E 0 3.4b
CSEM VIII 28 03 31 13.3–.10 40.69N 20.73E 2 3.5L
THE VIII 28 03 31 13.8 40.69N 20.76E 2–1 3.5L
NEIC VIII 28 03 31 14.9 40.66N 20.91E 13 4.0L,3.9L
PDG VIII 28 03 31 14.9–.60 40.66N 20.91E 13–1 4.0,3.9L
IDC VIII 28 03 31 17.9–1.0 40.71N 20.80E 42–9 3.7,3.6b
ISC Event type ke.
TIR Error ellipse: s-maj=10.2km s-min=42.0km az=-1.0.
ATH Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=138.2.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=52.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=294.0.
NEIC Event type se. After PDG.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.3km az=0.0.
IDC Error ellipse: s-maj=22.5km s-min=18.9km az=111.0.
ISC VIII 28 03 37 09.2–.29 40.67N–.01 20.67E–.02 6–2 3.7b 381 0-122
IDC VIII 28 03 37 07.4–1.2 40.58N 20.82E 0 3.9,3.8b **¶11255494**
ATH VIII 28 03 37 07.0 40.70N 20.66E 13–0 4.0L,3.8b
SKO VIII 28 03 37 07.5 40.60N 20.58E 0 3.7L,3.3
NEIC VIII 28 03 37 08.7 40.72N 20.72E 7 4.0L,3.8L
THE VIII 28 03 37 08.9 40.69N 20.72E 0–1 3.7L,3.8L
ISCJB VIII 28 03 37 08.1–.30 40.69N–.01 20.61E–.02 9–2 3.7b,3.8L
CSEM VIII 28 03 37 08.9–.09 40.64N 20.69E 5 4.0L,3.7s
TIR VIII 28 03 37 08.2–1.4 40.67N 20.67E 13–6 4.0L,3.7s
PDG VIII 28 03 37 08.7–.87 40.72N 20.72E 7–2 3.8,3.6L
VIE VIII 28 03 37 10.5–.53 40.79N 20.60E 10–0 3.7b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=24.1km az=106.0.
ATH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
NEIC Event type se. After PDG.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=293.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=34.1.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=38.0.
TIR Error ellipse: s-maj=2.0km s-min=5.4km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=0.0.
VIE Error ellipse: s-maj=7.2km s-min=4.0km az=41.0. 88 km SE of Tirana .
ISC VIII 28 03 48 51.5–1.3 40.73N–.04 20.62E–.08 1–16 28 0-2
CSEM VIII 28 03 48 50.8–.42 40.73N 20.62E 12 2.6L **¶13564007**
ISCJB VIII 28 03 48 51.1–1.2 40.72N–.04 20.62E–.08 6–8 2.6L
THE VIII 28 03 48 51.2 40.70N 20.65E 13–1 2.6L
SKO VIII 28 03 48 52.3 40.68N 20.65E 5 2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=3.5km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=6.0km az=21.4.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=281.0.
ISC VIII 28 03 52 35.6–.57 40.68N–.03 20.70E–.05 17–4 41 0-2
ISCJB VIII 28 03 52 35.4–.54 40.70N–.03 20.69E–.04 13–4 **¶11255495**
THE VIII 28 03 52 35.0 40.69N 20.67E 16–0 2.8L
CSEM VIII 28 03 52 35.3–.24 40.66N 20.70E 19–2 2.9L
TIR VIII 28 03 52 36.4 40.66N 20.81E 10 2.9L
SKO VIII 28 03 52 37.0 40.73N 20.75E 11 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.7km az=15.2.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.6km az=62.0.
ISC VIII 28 04 42 44.3–.61 40.68N–.03 20.71E–.05 15–5 35 0-2
ISCJB VIII 28 04 42 43.7–.59 40.70N–.03 20.69E–.05 12–4 **¶11255498**
THE VIII 28 04 42 43.5 40.69N 20.67E 8–2 2.8L
CSEM VIII 28 04 42 43.9–.17 40.66N 20.72E 15 2.8L
SKO VIII 28 04 42 44.6 40.70N 20.68E 6 2.8L
TIR VIII 28 04 42 44.9–3.0 40.65N 20.71E 12–999 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=5.0km az=28.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=92.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.7km az=74.0.
TIR Error ellipse: s-maj=4.9km s-min=31.4km az=-1.0.
ISC VIII 28 05 02 43.1–.47 40.72N–.03 20.74E–.04 9–5 40 0-6
THE VIII 28 05 02 38.7 40.71N 20.54E 13–0 3.1L **¶11255501**
ISCJB VIII 28 05 02 42.0–.47 40.72N–.03 20.74E–.04 15–5 3.1L
SKO VIII 28 05 02 41.8 40.73N 20.59E 0 2.5L,2.1
TIR VIII 28 05 02 42.5–2.2 40.71N 20.83E 8–63 3.4L,2.1
CSEM VIII 28 05 02 43.4–.27 40.65N 20.92E 2 3.4L,2.1
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=5.2km az=17.6.
TIR Error ellipse: s-maj=37.2km s-min=43.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.4km az=145.0.
ISC VIII 28 05 08 28.4–.35 40.68N–.01 20.72E–.02 1–3 222 0-8
NEIC VIII 28 05 08 24.8 40.85N 20.67E 4 3.7L,3.5 **¶11255502**
ATH VIII 28 05 08 24.8 40.85N 20.67E 4–1 3.5,3.5
THE VIII 28 05 08 27.9 40.69N 20.75E 0–1 3.2L,3.5

TIR VIII 28 05 08 27.4–2.6 40.67N 20.73E 13–11 3.4L,3.5
PDG VIII 28 05 08 27.9–.47 40.72N 20.76E 6–1 3.2L,3.5
SKO VIII 28 05 08 28.0 40.64N 20.67E 0 3.2L,2.8
ISCJB VIII 28 05 08 28.4–.20 40.67N–.01 20.70E–.02 10 3.2L,2.8
CSEM VIII 28 05 08 28.0–.11 40.66N 20.73E 2 3.4L,2.8
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.6km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=298.0.
TIR Error ellipse: s-maj=6.9km s-min=14.8km az=-1.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=142.1.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=46.0.
ISC VIII 28 13 27 57.3–.79 40.72N–.04 20.68E–.05 8–3 64 0-2
ISCJB VIII 28 13 27 56.7–.82 40.73N–.04 20.67E–.05 7–4 ¶13392834
ATH VIII 28 13 27 57.0 40.70N 20.73E 24–2 3.1
SKO VIII 28 13 27 57.3 40.70N 20.65E 4 3.1
THE VIII 28 13 27 57.8 40.70N 20.75E 0–3 2.1L
CSEM VIII 28 13 27 57.6–.48 40.69N 20.74E 9–1 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=4.9km az=42.3.
ATH Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.4km az=316.0.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=5.0km az=136.0.
ISC VIII 28 13 56 35.5–.48 40.67N–.02 20.79E–.03 4–4 66 0-2
SKO VIII 28 13 56 32.4 40.63N 20.59E 0 ¶11255505
ATH VIII 28 13 56 33.0 40.76N 20.72E 5–3 3.2
THE VIII 28 13 56 34.3 40.68N 20.74E 4–2 2.3L
ISCJB VIII 28 13 56 35.2–.43 40.66N–.02 20.80E–.03 10 2.3L
CSEM VIII 28 13 56 35.0–.22 40.60N 20.84E 8 2.8L
TIR VIII 28 13 56 43.8 40.64N 20.88E 2 2.8L
ISC Event type ke.
ATH Error ellipse: s-maj=1.6km s-min=0.7km az=-1.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=318.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=31.4.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=140.0.
SKO IX 01 15 54 54.3 40.63N 20.67E 3
TIR IX 01 15 54 47.7–1.8 40.76N 21.22E 0–12 2.9L ¶11346183
TIR Error ellipse: s-maj=3.4km s-min=5.8km az=-1.0.
ISC IX 01 18 17 35.6–.55 39.57N–.06 20.68E–.04 14–5 38 0-1
ISCJB IX 01 18 17 35.5–.58 39.61N–.05 20.65E–.04 17–6 ¶12951809
ATH IX 01 18 17 35.2 39.53N 20.70E 20–2 3.1
NEIC IX 01 18 17 35.2 39.53N 20.70E 20 3.1
THE IX 01 18 17 35.7 39.51N 20.67E 0–6 1.7L
CSEM IX 01 18 17 35.1–.28 39.55N 20.69E 10 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.4km az=170.1.
ATH Error ellipse: s-maj=1.4km s-min=1.0km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=7.0km s-min=1.8km az=23.0.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=6.4km az=7.0.
ISC IX 01 19 52 33.0–1.6 40.99N–.06 20.11E–.10 7–11 10 1-1
TIR IX 01 19 52 28.7–2.3 41.19N 20.14E 0–0 2.9L ¶11346185
ISCJB IX 01 19 52 32.4–1.5 41.01N–.06 20.12E–.09 1–11 2.9L
SKO IX 01 19 52 37.2 41.03N 20.30E 2 2.9L
TIR Error ellipse: s-maj=2.4km s-min=8.1km az=-1.0.
ISCJB Error ellipse: s-maj=13.8km s-min=6.7km az=141.4.
ISC IX 01 22 47 32.9–1.0 40.69N–.06 20.6E–.10 11–13 10 0-1
TIR IX 01 22 47 30.7 40.79N 20.69E 0 2.7L ¶11346186
ISCJB IX 01 22 47 32.4–1.1 40.70N–.05 20.6E–.10 9–13 2.7L
SKO IX 01 22 47 35.6 40.65N 20.87E 17 2.7L
ISCJB Error ellipse: s-maj=16.3km s-min=6.4km az=18.5.
ISC IX 03 22 58 12.8–.57 40.69N–.03 20.74E–.04 13–7 35 0-2
TIR IX 03 22 58 07.0–3.6 40.75N 20.49E 0–999 3.1L ¶11346187
ISCJB IX 03 22 58 12.5–.50 40.69N–.03 20.75E–.04 11–5 3.1L
THE IX 03 22 58 12.5 40.67N 20.74E 16–1 2.4L
CSEM IX 03 22 58 12.3–.20 40.67N 20.73E 12 3.1L
SKO IX 03 22 58 12.9 40.76N 20.79E 21 3.1L
ISC Event type ke.
TIR Error ellipse: s-maj=5.8km s-min=37.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.7km az=135.1.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=41.0.
ISC IX 03 23 04 05.3–.33 40.68N–.02 20.74E–.02 7–2 169 0-6
TIR IX 03 23 03 59.5–4.0 40.63N 20.71E 0–999 3.4L ¶11346188
ATH IX 03 23 04 03.8 40.76N 20.75E 14–2 3.5
NEIC IX 03 23 04 03.8 40.76N 20.75E 14 3.5
ISCJB IX 03 23 04 04.4–.39 40.70N–.02 20.72E–.03 5–3 3.5
CSEM IX 03 23 04 05.1–.12 40.69N 20.75E 5 3.4L
THE IX 03 23 04 05.7 40.69N 20.77E 4–1 2.3L
SKO IX 03 23 04 06.0 40.67N 20.74E 2 2.5L,2.2
ISC Event type ke.
TIR Error ellipse: s-maj=5.4km s-min=36.2km az=-1.0.
ATH Error ellipse: s-maj=2.6km s-min=1.4km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=12.3.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.5km az=41.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=265.0.
ISC IX 03 23 47 01.4–.38 40.69N–.02 20.72E–.03 6–3 100 0-3
TIR IX 03 23 46 55.3–3.5 40.65N 20.73E 6–999 3.5L ¶11346189
ISCJB IX 03 23 47 00.6–.43 40.71N–.02 20.72E–.03 0–4 3.5L
SKO IX 03 23 47 00.9 40.72N 20.75E 15 2.2L,1.8
THE IX 03 23 47 01.1 40.68N 20.72E 0–1 2.1L,1.8
ATH IX 03 23 47 01.7 40.69N 20.82E 5 3.5,1.8
CSEM IX 03 23 47 01.2–.16 40.66N 20.71E 8 3.5L,1.8
NEIC IX 03 23 47 01.1 40.74N 20.81E 7 3.6,1.8
ISC Event type ke.
TIR Error ellipse: s-maj=5.7km s-min=35.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=41.1.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=272.0.
ATH Error ellipse: s-maj=3.4km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=43.0.
NEIC Event type se. After ATH.
ISC IX 05 01 17 00.4–.82 39.36N–.03 20.48E–.05 9–6 52 0-7
ISCJB IX 05 01 16 59.8–1.0 39.39N–.03 20.47E–.05 5–8 ¶12951917
ATH IX 05 01 16 59.8 39.42N 20.57E 36–21 3.1
NEIC IX 05 01 16 59.8 39.42N 20.57E 36 3.1
CSEM IX 05 01 17 00.1–.29 39.35N 20.51E 8 3.1
THE IX 05 01 17 00.6 39.38N 20.54E 0–2 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=18.2.
ATH Error ellipse: s-maj=14.9km s-min=5.3km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=5.9km az=44.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=223.0.
ISC IX 05 04 33 08.2–.96 40.70N–.04 20.64E–.06 10–14 29 0-1
ISCJB IX 05 04 33 07.7–.87 40.71N–.04 20.63E–.06 5–10 ¶13566230
THE IX 05 04 33 08.5 40.69N 20.68E 12–2 2.6L
CSEM IX 05 04 33 08.2–.26 40.69N 20.67E 10 2.6L
SKO IX 05 04 33 09.1 40.70N 20.66E 6 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.9km az=10.1.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=1.1km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=81.0.
ISC IX 06 20 30 08.1–.41 39.53N–.04 20.61E–.03 10 49 0-2
ATH IX 06 20 30 07.3 39.53N 20.62E 5–4 3.0 ¶13393612
CSEM IX 06 20 30 07.6–.21 39.52N 20.63E 2 3.0
ISCJB IX 06 20 30 08.1–.46 39.53N–.04 20.60E–.04 10 3.0
THE IX 06 20 30 08.1 39.50N 20.63E 0–3 2.1L
ISC Event type ke.
ATH Error ellipse: s-maj=1.4km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=4.3km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=178.9.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.1km az=217.0.
ISC IX 06 21 18 22.6–.49 39.39N–.03 20.60E–.03 10 44 0-2
ATH IX 06 21 18 21.9 39.40N 20.58E 5–1 3.0 ¶13393618
ISCJB IX 06 21 18 22.4–.49 39.44N–.04 20.64E–.03 10 3.0
CSEM IX 06 21 18 22.0–.27 39.39N 20.59E 2 2.2L
THE IX 06 21 18 22.0 39.36N 20.62E 0–3 2.2L
ISC Event type ke.
ATH Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=3.5km az=16.2.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=5.2km az=60.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.2km az=240.0.
ISC IX 10 01 58 18.1–.42 40.09N–.03 20.93E–.04 23–7 51 0-2
ATH IX 10 01 58 16.6 40.12N 20.89E 15–5 3.1 ¶14769042
CSEM IX 10 01 58 17.3–.28 40.11N 20.87E 19–0 2.1L
ISCJB IX 10 01 58 18.1–.40 40.09N–.03 20.93E–.04 25–6 2.1L
THE IX 10 01 58 18.2 40.11N 20.92E 18–4 2.1L
SKO IX 10 01 58 18.1 40.03N 20.83E 0 2.1L
ISC Event type ke.
ATH Error ellipse: s-maj=2.3km s-min=1.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.1km az=125.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=39.7.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=0.8km az=320.0.
ATH IX 12 20 12 34.7 39.17N 20.20E 15–1 3.4
CSEM IX 12 20 12 34.7 39.17N 20.20E 15 3.2 ¶13394206
ATH Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IX 13 00 10 18.1–.69 39.55N–.04 20.28E–.04 1–7 44 0-2
ATH IX 13 00 10 16.0 39.84N 20.33E 29–0 2.9 ¶13394219
ISCJB IX 13 00 10 17.3–.77 39.52N–.05 20.26E–.04 10 2.9
CSEM IX 13 00 10 17.9–.37 39.60N 20.30E 2 1.9L
THE IX 13 00 10 17.0 39.44N 20.27E 0–2 1.9L
ISC Event type ke.
ATH Error ellipse: s-maj=0.9km s-min=0.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.8km s-min=3.9km az=13.3.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=6.0km az=10.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=219.0.
ISC IX 14 11 05 12.9–.43 40.20N–.02 20.76E–.03 1–4 110 0-6
NEIC IX 14 11 05 10.5 40.23N 20.65E 5 2.9L ¶12952038
ATH IX 14 11 05 12.1 40.20N 20.79E 7–5 2.9
ISCJB IX 14 11 05 12.7–.36 40.23N–.02 20.71E–.03 10 2.9
THE IX 14 11 05 12.9 40.21N 20.76E 0–2 2.8L
CSEM IX 14 11 05 13.3–.23 40.19N 20.82E 2 2.8L
SKO IX 14 11 05 13.7 40.17N 20.79E 11 2.7L,2.3
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=5.5km s-min=8.0km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=22.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=244.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.7km az=102.0.
ISC IX 14 22 41 52.7–.46 40.18N–.02 20.73E–.03 1–4 91 0-6
ATH IX 14 22 41 50.8 40.23N 20.64E 10–2 3.2 ¶12952042
NEIC IX 14 22 41 50.8 40.23N 20.64E 10 3.2
ISCJB IX 14 22 41 51.8–.52 40.20N–.02 20.68E–.03 0–5 3.2
THE IX 14 22 41 52.6 40.16N 20.76E 0–1 2.6L
CSEM IX 14 22 41 52.7–.20 40.17N 20.72E 2 2.6L
SKO IX 14 22 41 57.5 40.28N 21.04E 17 2.6L
ISC Event type ke.
ATH Error ellipse: s-maj=1.7km s-min=1.8km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=34.1.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=264.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=4.0km az=109.0.
ISC IX 18 10 46 56.8–.77 39.37N–.02 19.87E–.05 9–5 3.7b 80 1-45
ATH IX 18 10 46 55.4 39.39N 19.80E 6–1 3.4 ¶11345793
ISCJB IX 18 10 46 55.1–.80 39.36N–.02 19.83E–.05 3–5 3.7b
IDC IX 18 10 46 55.8–1.5 39.51N 19.85E 0 3.7b,3.7
CSEM IX 18 10 46 56.3–.25 39.37N 19.73E 2 3.5L,3.7
TIR IX 18 10 46 56.3–4.0 39.55N 19.39E 29–42 3.5L,3.7
THE IX 18 10 46 57.4 39.43N 19.52E 32–36 3.3L,3.7
SKO IX 18 10 47 02.4 39.42N 20.35E 0 3.3L,3.7
ISC Event type ke.
ATH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.5km az=162.3.
IDC Error ellipse: s-maj=31.1km s-min=24.9km az=84.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.2km az=70.0.
TIR Error ellipse: s-maj=35.8km s-min=54.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=36.6km s-min=1.2km az=0.0.
ISC IX 28 07 33 35.3–.68 40.74N–.03 20.64E–.04 0–8 44 0-3
SKO IX 28 07 33 35.0 40.71N 20.57E 7 2.3L,1.9 ¶13566577
ISCJB IX 28 07 33 35.8–.76 40.72N–.03 20.69E–.05 10 2.3L,1.9
CSEM IX 28 07 33 36.1–.27 40.69N 20.70E 2 2.7L,1.9
THE IX 28 07 33 36.7 40.68N 20.74E 0–3 2.7L,1.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=3.6km az=33.2.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.5km az=120.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=304.0.
ISC IX 28 08 55 29.0–.98 40.72N–.05 20.70E–.07 10 17 1-1
ISCJB IX 28 08 55 28.8–.97 40.71N–.05 20.72E–.07 10 ¶13566580
SKO IX 28 08 55 28.0 40.66N 20.61E 1
CSEM IX 28 08 55 29.1 40.69N 20.72E 4 2.7L
THE IX 28 08 55 29.1 40.69N 20.72E 4–42 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=5.3km az=139.4.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After THE.
THE Event type ke. Error ellipse: s-maj=42.8km s-min=1.1km az=28.0.
ISC IX 30 12 46 32.5–.44 40.52N–.02 20.02E–.03 5–3 135 0-6
TIR IX 30 12 46 27.6–6.0 40.51N 20.16E 2–741 3.1L ¶11322398
SKO IX 30 12 46 31.8 40.43N 20.01E 0 2.8L,2.3
CSEM IX 30 12 46 31.9–.16 40.53N 20.04E 2 3.1L,2.3
ATH IX 30 12 46 31.4 40.46N 19.87E 23–1 3.3,2.3
ISCJB IX 30 12 46 31.3–.48 40.54N–.02 20.01E–.03 0–3 3.3,2.3
THE IX 30 12 46 32.6 40.50N 20.05E 2–1 2.9L,2.3
PDG IX 30 12 46 37.2–.78 40.91N 19.97E 2–1 2.9L,2.3
NEIC IX 30 12 46 37.2 40.91N 19.97E 2 2.9L,2.3
ISC Event type ke.
TIR Error ellipse: s-maj=9.3km s-min=45.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.6km az=65.0.
ATH Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=159.1.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=311.0.
PDG Event type ke. Error ellipse: s-maj=1.9km s-min=5.2km az=0.0.
NEIC Event type se. After PDG.
ISC IX 30 22 44 38.8–1.3 39.43N–.06 20.07E–.09 10 14 0-2
ATH IX 30 22 44 37.2 39.48N 19.97E 4 3.1 ¶13395559
CSEM IX 30 22 44 37.2 39.48N 19.97E 4 3.1
ISCJB IX 30 22 44 39.0–1.2 39.46N–.06 20.09E–.09 10 3.1
CSEM After ATH.
ISC X 01 19 19 19.6–.51 40.52N–.02 20.77E–.04 6–3 87 0-6
TIR X 01 19 19 16.2–2.0 40.50N 20.79E 2–201 2.3L ¶11415128
ATH X 01 19 19 19.6 40.51N 20.85E 13–2 3.1
ISCJB X 01 19 19 19.1–.48 40.53N–.02 20.75E–.04 8–3 3.1
THE X 01 19 19 19.2 40.54N 20.77E 1–1 2.6L
SKO X 01 19 19 20.7 40.57N 20.88E 21 2.6L
CSEM X 01 19 19 20.0–.18 40.54N 20.83E 5 2.3L
ISC Event type ke.
TIR Error ellipse: s-maj=4.8km s-min=25.7km az=-1.0.
ATH Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=1.5.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=270.0.

CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=68.0.
ISC X 18 00 23 28.7–.51 39.40N–.03 20.56E–.04 2–5 42 0-2
CSEM X 18 00 23 27.9–.22 39.41N 20.55E 5 1.8L ¶13397374
ISCJB X 18 00 23 28.4–.46 39.40N–.03 20.56E–.04 10 1.8L
THE X 18 00 23 28.8 39.40N 20.56E 0–3 1.8L
ATH X 18 00 23 28.0 39.43N 20.58E 24–4 3.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.2km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=145.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.0km az=240.0.
ATH Error ellipse: s-maj=3.3km s-min=1.5km az=-1.0.
ISC X 21 07 27 44.4–.77 39.33N–.03 19.73E–.05 18–4 59 0-4
ATH X 21 07 27 43.0 39.27N 19.70E 29–8 3.4 ¶11406388
ISCJB X 21 07 27 44.3–.91 39.33N–.04 19.68E–.07 28–5 3.4
CSEM X 21 07 27 44.4–.27 39.32N 19.70E 20 2.9L
THE X 21 07 27 46.1 39.36N 19.86E 11–2 2.3L
TIR X 21 07 27 46.6 39.89N 20.01E 6 2.9L
ISC Event type ke.
ATH Error ellipse: s-maj=5.3km s-min=8.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.4km s-min=5.1km az=154.8.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.1km az=57.0.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=1.5km az=100.0.
ISC X 24 20 43 29.3–.68 40.68N–.03 20.70E–.05 8–4 44 0-2
TIR X 24 20 43 24.1–1.4 40.84N 20.93E 0–999 2.9L ¶11406409
ISCJB X 24 20 43 28.8–.71 40.70N–.03 20.69E–.05 7–4 2.9L
CSEM X 24 20 43 29.3–.25 40.66N 20.73E 8 2.1L
THE X 24 20 43 29.0 40.68N 20.72E 2–1 2.1L
ISC Event type ke.
TIR Error ellipse: s-maj=40.4km s-min=109.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=5.4km az=23.1.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=63.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=133.0.
ISC X 25 18 18 48.5–.38 40.65N–.02 20.72E–.03 6–3 93 0-3
TIR X 25 18 18 43.0–3.1 40.65N 20.62E 0–999 2.9L ¶11406415
SKO X 25 18 18 46.6 40.60N 20.60E 0 2.7L,2.3
CSEM X 25 18 18 47.9–.13 40.65N 20.70E 5 2.9L,2.3
ISCJB X 25 18 18 47.7–.38 40.66N–.02 20.72E–.03 4–3 2.9L,2.3
ATH X 25 18 18 48.1 40.67N 20.79E 20–1 3.4,2.3
BEO X 25 18 18 49.9–1.5 40.66N 20.78E 2–8 2.6L,2.3
ISC Event type ke.
TIR Error ellipse: s-maj=6.0km s-min=37.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=167.2.
ATH Error ellipse: s-maj=1.7km s-min=1.3km az=-1.0.
ISC X 31 05 51 07.2–.52 39.99N–.02 20.54E–.03 2–4 122 0-5
SKO X 31 05 50 57.6 39.65N 19.84E 0 ¶13398706
ISCJB X 31 05 51 06.5–.62 40.00N–.02 20.52E–.04 3–5
ATH X 31 05 51 06.7 39.97N 20.53E 15–1 3.6
CSEM X 31 05 51 07.3–.17 39.95N 20.56E 2 3.6
THE X 31 05 51 07.2 39.98N 20.56E 0–2 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=167.1.
ATH Error ellipse: s-maj=1.3km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=84.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=296.0.
ISC XI 02 00 25 01.5–.93 40.00N–.05 20.55E–.05 2–9 24 0-2
SKO XI 02 00 24 56.7 39.73N 20.19E 18 ¶13398966
ISCJB XI 02 00 25 01.4–.75 40.00N–.05 20.54E–.05 10
CSEM XI 02 00 25 01.9–.36 39.89N 20.55E 20 3.5
ATH XI 02 00 25 01.1 40.01N 20.56E 13–2 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.0km az=164.5.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=6.9km az=175.0.
ATH Error ellipse: s-maj=1.7km s-min=0.7km az=-1.0.
ISC XI 02 06 20 59.6–.49 39.78N–.02 20.06E–.03 3–4 101 0-4
TIR XI 02 06 20 58.8–2.2 39.90N 20.05E 2–17 3.3L ¶12071956
ISCJB XI 02 06 20 59.5–.36 39.78N–.02 20.04E–.03 10 3.3L
CSEM XI 02 06 20 59.2–.22 39.78N 20.06E 2 3.3L
THE XI 02 06 20 59.1 39.83N 20.07E 0–2 2.9L
ATH XI 02 06 20 59.1 39.74N 20.03E 19–1 3.4
ISC Event type ke.
TIR Error ellipse: s-maj=28.8km s-min=17.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=179.2.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=80.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=212.0.
ATH Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.
ISC XI 13 17 06 32.3–2.6 40.0N–.10 19.7E–.10 9–14 25 1-3
CSEM XI 13 17 06 31.2–1.2 40.07N 19.62E 2 3.3 ¶13400054
SKO XI 13 17 06 31.0 39.93N 19.79E 0 3.3
ATH XI 13 17 06 32.6 40.09N 19.58E 26–3 3.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=24.7km s-min=13.0km az=79.0.
ATH Error ellipse: s-maj=5.7km s-min=3.7km az=-1.0.
ATH XI 16 04 02 34.8 39.39N 20.05E 5–4 3.5
CSEM XI 16 04 02 34.8 39.39N 20.05E 5 3.5 ¶13400311
ATH Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC XI 23 19 14 49.2–.95 40.92N–.04 20.1E–.20 10–9 20 0-3
TIR XI 23 19 14 47.8–1.7 40.90N 19.05E 21–15 3.2L ¶12074607
ISCJB XI 23 19 14 48.6–.87 40.90N–.04 20.0E–.20 7–9 3.2L
CSEM XI 23 19 14 48.9–.30 40.94N 20.07E 10 3.2L
ISC Event type ke.
TIR Error ellipse: s-maj=4.0km s-min=47.3km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=22.2km s-min=6.1km az=172.5.
CSEM Event type ke. Error ellipse: s-maj=13.5km s-min=5.8km az=82.0.
ISC XI 27 23 00 31.5–.44 39.42N–.03 20.81E–.04 21–5 44 0-2
ISCJB XI 27 23 00 31.5–.44 39.43N–.03 20.81E–.04 21–5 ¶13401328
CSEM XI 27 23 00 31.1–.21 39.42N 20.82E 20 3.0
THE XI 27 23 00 31.1 39.39N 20.84E 22–4 2.3L
ATH XI 27 23 00 31.0 39.63N 20.84E 39–1 3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.6km az=30.5.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=28.0.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=0.6km az=51.0.
ATH Error ellipse: s-maj=3.0km s-min=1.0km az=-1.0.
ATH XI 28 08 05 19.4 39.52N 19.91E 10 3.5
¶13401353
ATH XII 01 09 57 04.6 40.10N 20.93E 32–7 3.4
CSEM XII 01 09 57 04.4 40.11N 20.93E 32 3.4 ¶13401627
ATH Error ellipse: s-maj=8.1km s-min=7.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC XII 06 05 42 47.0–.53 39.45N–.03 20.67E–.03 1–7 45 0-2
THE XII 06 05 42 44.1 39.47N 20.63E 38–2 2.5L ¶13402052
ISCJB XII 06 05 42 46.9–.47 39.46N–.03 20.66E–.03 10 2.5L
CSEM XII 06 05 42 46.5–.22 39.44N 20.66E 2 2.5L
ATH XII 06 05 42 47.0 39.46N 20.68E 14–1 3.3
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.5km az=265.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=177.9.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=1.0.
ATH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
ISC XII 06 09 46 29.5–.39 39.35N–.03 20.83E–.03 18–3 65 0-1
ISCJB XII 06 09 46 29.6–.37 39.36N–.03 20.82E–.03 23–4 ¶13402066
CSEM XII 06 09 46 29.4–.16 39.36N 20.82E 20 2.3L
THE XII 06 09 46 29.7 39.35N 20.82E 12–1 2.3L
ATH XII 06 09 46 29.5 39.30N 20.83E 3 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=20.2.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=2.9km az=23.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=267.0.
ATH Error ellipse: s-maj=1.5km s-min=1.6km az=-1.0.

ISC XII 06 10 10 01.6–.47 39.34N–.04 20.79E–.04 17–4 40 0-2
ATH XII 06 10 10 00.8 39.35N 20.75E 27–1 3.1 ¶13402067
ISCJB XII 06 10 10 01.6–.47 39.35N–.04 20.78E–.04 20–7 3.1
CSEM XII 06 10 10 01.3–.24 39.35N 20.76E 20 2.5L
THE XII 06 10 10 01.9 39.34N 20.82E 10–1 2.5L
ISC Event type ke.
ATH Error ellipse: s-maj=0.7km s-min=0.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.8km az=22.6.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=5.0km az=22.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=283.0.
ISC XII 06 16 27 53.2–.48 39.37N–.04 20.81E–.05 18–4 39 0-1
ATH XII 06 16 27 52.4 39.41N 20.75E 32–1 3.0 ¶13402090
CSEM XII 06 16 27 52.8–.23 39.38N 20.78E 20 3.0
ISCJB XII 06 16 27 53.2–.49 39.37N–.04 20.81E–.04 20–6 3.0
THE XII 06 16 27 53.7 39.36N 20.82E 10–4 3.0
ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=0.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.2km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.5km az=21.5.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=1.2km az=288.0.
ISC XII 06 16 41 57.4–.48 39.34N–.04 20.80E–.04 17–5 33 0-1
CSEM XII 06 16 41 56.8–.20 39.34N 20.81E 16–2 3.0 ¶13402091
ISCJB XII 06 16 41 57.4–.51 39.34N–.04 20.80E–.04 18–11 3.0
ATH XII 06 16 41 57.0 39.31N 20.84E 13–8 3.0
THE XII 06 16 41 57.2 39.34N 20.81E 17–4 2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.5km az=9.0.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=4.6km az=22.5.
ATH Error ellipse: s-maj=1.3km s-min=1.0km az=-1.0.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=0.8km az=83.0.
ISC XII 08 21 52 58.6–.69 39.50N–.04 20.33E–.04 4–6 39 0-6
ISCJB XII 08 21 52 58.1–.85 39.51N–.04 20.34E–.04 1–7 ¶13402286
ATH XII 08 21 52 58.6 39.51N 20.35E 13–1 3.3
CSEM XII 08 21 52 59.3–.48 39.56N 20.29E 20 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=10.6.
ATH Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.3km s-min=8.6km az=28.0.
ISC XII 10 18 44 35.3–.50 39.58N–.02 19.14E–.03 19–3 178 1-9
TIR XII 10 18 44 32.0 39.49N 19.68E 0 3.3L ¶11653435
ROM XII 10 18 44 32.6–.81 39.35N 19.09E 10–0 3.3L
ISCJB XII 10 18 44 34.8–.53 39.51N–.03 19.11E–.03 25–5 3.3L
ATH XII 10 18 44 34.2 39.51N 19.12E 35–2 3.4
THE XII 10 18 44 35.0 39.60N 19.13E 2–2 3.3L
CSEM XII 10 18 44 35.3–.15 39.58N 19.12E 20 3.3L
SKO XII 10 18 44 36.1 43.08N 19.06E 41 3.3L
BEO XII 10 18 44 48.3–.84 39.90N 19.71E 0–0 3.1L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=12.1km s-min=4.0km az=6.0.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=19.2.
ATH Error ellipse: s-maj=0.7km s-min=1.1km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=2.0km az=66.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=29.0.
ISC XII 27 21 25 21.0–.53 40.68N–.02 20.84E–.03 4–4 76 0-6
SKO XII 27 21 25 18.0 40.49N 20.84E 0 ¶13404186
ISCJB XII 27 21 25 19.9–.72 40.69N–.02 20.80E–.04 1–5
ATH XII 27 21 25 20.9 40.72N 20.98E 23–2 3.3
CSEM XII 27 21 25 20.5–.22 40.69N 20.87E 2 2.6L
THE XII 27 21 25 21.4 40.65N 20.89E 0–2 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=178.6.
ATH Error ellipse: s-maj=2.3km s-min=1.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=128.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=311.0.

(393) Madeira Islands region.

INMG VII 11 02 07 56.2–.79 32.97N 14.23W 10–0 2.2L
CSEM VII 11 02 07 50.5–.20 32.97N 14.19W 10 2.2L ¶11223672
NEIC VII 11 02 07 52.2 32.77N 13.82W 0 4.3
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=4.6km az=136.0.
NEIC Event type se. After MDD.
ISC VII 21 02 39 23.5–.31 32.35N–.02 16.27W–.03 10 194 1-11
ISCJB VII 21 02 39 21.4–.32 32.36N–.02 16.19W–.04 10 ¶11223691
NEIC VII 21 02 39 23.6 32.41N 16.26W 0 4.1
CSEM VII 21 02 39 23.1–.24 32.37N 16.26W 5 2.8L
MDD VII 21 02 39 26.1–.91 32.51N 16.35W 28–17 4.2b
INMG VII 21 02 39 28.1–1.2 32.53N 16.32W 0–6 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=4.2.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=3.8km az=111.0.
MDD Error ellipse: s-maj=13.9km s-min=4.5km az=125.0.
INMG Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=76.0.
ISC VIII 18 04 02 59.7–.75 33.8N–.40 15.2W–.30 10 42 1-10
ISCJB VIII 18 04 02 58.2–.68 33.8N–.40 15.1W–.30 10 ¶13391984
MDD VIII 18 04 03 01.6–4.1 34.98N 15.95W 0 4.4b
INMG VIII 18 04 03 03.3–1.3 32.63N 14.69W 10–0 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=64.0km s-min=4.1km az=145.8.
MDD Error ellipse: s-maj=144.0km s-min=34.3km az=157.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=20.1km s-min=4.2km az=160.0.
ISC VIII 25 23 32 42.7–.93 33.0N–.10 12.3W–.10 10 85 4-8
MDD VIII 25 23 32 42.3–.94 32.82N 12.31W 0 4.2b ¶11359038
CSEM VIII 25 23 32 47.1–.67 33.61N 12.79W 10 2.9L
INMG VIII 25 23 32 50.4–1.1 32.95N 12.52W 10–0 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=27.3km s-min=8.0km az=125.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=44.7km s-min=8.4km az=144.0.
INMG Event type ke. Error ellipse: s-maj=11.7km s-min=4.7km az=135.0.
MDD IX 03 03 31 34.1–2.6 32.45N 19.04W 0 3.7b
INMG IX 03 03 31 34.9–1.7 32.61N 19.51W 10–0 3.5,2.8L ¶11362276
CSEM IX 03 03 31 40.1–1.3 32.17N 18.70W 10 3.7b,2.8L
MDD Error ellipse: s-maj=26.3km s-min=10.2km az=115.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=16.6km s-min=7.7km az=111.0.
CSEM Event type ke. Error ellipse: s-maj=26.0km s-min=11.0km az=118.0.
ISC IX 26 19 17 20.9–.74 34.47N–.07 14.52W–.08 10 173 3-10
ISCJB IX 26 19 17 19.9–.69 34.37N–.07 14.31W–.08 10 ¶11362133
MDD IX 26 19 17 25.8–1.9 34.18N 14.72W 148–65 2.9b
IGIL IX 26 19 17 27.6 34.30N 14.68W 24 2.8L
NEIC IX 26 19 17 28.6 34.68N 14.44W 0 4.4
INMG IX 26 19 17 30.3–2.4 34.38N 14.73W 10–0 2.7L
CSEM IX 26 19 17 34.1–.67 34.94N 14.08W 10 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=4.0km az=135.2.
MDD Error ellipse: s-maj=32.4km s-min=15.3km az=115.0. PRXIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=18.5km s-min=3.9km az=134.0.
CSEM Event type ke. Error ellipse: s-maj=16.4km s-min=11.2km az=139.0.
ISC X 13 04 15 05.8–.64 34.4N–.30 14.2W–.20 10 57 2-9
ISCJB X 13 04 15 04.2–.64 34.3N–.30 14.1W–.20 10 ¶11525950
CSEM X 13 04 15 07.5–.71 33.66N 13.95W 10 2.0L
INMG X 13 04 15 14.3–.98 34.00N 14.25W 10–0 2.0L
MDD X 13 04 15 14.4–3.6 34.86N 14.28W 0 3.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=42.9km s-min=4.1km az=147.1.
CSEM Event type ke. Error ellipse: s-maj=84.2km s-min=6.7km az=151.0.
INMG Event type ke. Error ellipse: s-maj=32.9km s-min=2.0km az=143.0.
MDD Error ellipse: s-maj=107.0km s-min=29.0km az=152.0. PRXIMO.
ISC XI 30 02 31 14.1–.76 34.91N–.04 16.85W–.07 10 119 2-11
ISCJB XI 30 02 31 12.6–.78 34.89N–.04 16.70W–.07 10 ¶14556068

MDD XI 30 02 31 13.8–2.9 35.04N 17.52W 120–60 3.1b
CSEM XI 30 02 31 14.4–.49 35.00N 17.30W 60 3.7L
INMG XI 30 02 31 15.7–2.2 35.12N 17.61W 10–0 3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=2.9km az=31.7.
MDD Error ellipse: s-maj=42.3km s-min=10.5km az=117.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=14.8km s-min=4.2km az=112.0.
INMG Event type ke. Error ellipse: s-maj=17.7km s-min=3.6km az=112.0.
ISC XII 20 15 09 51.0–.69 34.19N–.05 14.67W–.07 10 104 2-10
ISCJB XII 20 15 09 49.4–.67 34.14N–.05 14.53W–.07 10 **¶12078342**
CSEM XII 20 15 09 53.7–.43 34.33N 15.12W 10 2.5L
INMG XII 20 15 09 59.7–1.2 34.32N 15.14W 10–0 2.5L
MDD XII 20 15 10 00.2–2.6 33.95N 14.15W 0 4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.7km s-min=3.6km az=40.3.
CSEM Event type ke. Error ellipse: s-maj=24.9km s-min=6.9km az=134.0.
INMG Event type ke. Error ellipse: s-maj=9.2km s-min=2.2km az=130.0.
MDD Error ellipse: s-maj=50.1km s-min=8.9km az=117.0. PRXIMO.
ISC XII 30 20 01 29.8–.71 32.48N–.08 16.65W–.07 27–18 44 0-5
CSEM XII 30 20 01 30.3–.30 32.51N 16.70W 20 2.9L **¶12079583**
MDD XII 30 20 01 31.4–.53 32.56N 16.70W 27–17 4.5b
INMG XII 30 20 01 34.2–1.0 32.56N 16.69W 5–6 2.9L,2.4
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.1km s-min=6.0km az=79.0.
MDD Error ellipse: s-maj=23.0km s-min=6.1km az=127.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=98.0.

(394) Canary Islands region.

ISC VIII 23 21 31 46.8–.66 29.34N–.05 20.59W–.04 10 53 4-11
PDA VIII 23 21 31 33.4 28.33N 21.36W 11 5.0b **¶11310612**
CSEM VIII 23 21 31 41.7–.65 28.64N 21.09W 10 3.3L
ISCJB VIII 23 21 31 44.1–.71 29.34N–.05 20.66W–.04 10 3.3L
NEIC VIII 23 21 31 45.7 28.45N 20.81W 0 4.1
INMG VIII 23 21 31 46.8–.67 28.35N 21.26W 10–0 3.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=21.0km s-min=7.2km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=8.7km s-min=3.8km az=29.5.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=9.1km s-min=4.8km az=77.0.
MDD IX 16 20 33 30.8–.32 27.66N 15.46W 47–3 3.8b
NEIC IX 16 20 33 28.1 27.55N 15.44W 0 2.6 **¶12952056**
MDD Error ellipse: s-maj=4.7km s-min=1.4km az=177.0. PRIMO TT_MODEL: CANARY.
NEIC Event type se. After MDD.
MDD XI 08 10 26 22.5–.21 29.04N 15.15W 43–8 4.7b
NEIC XI 08 10 26 22.5 29.02N 15.15W 44 4.7 **¶13399573**
MDD Error ellipse: s-maj=4.2km s-min=0.6km az=168.0. PRIMO TT-MODELL:CANARY.
NEIC Event type se. After MDD.

(395) Morocco.

ISC VIII 03 13 03 43.0–.31 34.53N–.02 5.48W–.03 10 247 0-14
ISCJB VIII 03 13 03 42.1–.34 34.56N–.02 5.54W–.03 10 **¶11158529**
CSEM VIII 03 13 03 43.4–.20 34.52N 5.48W 10 3.1L
IGIL VIII 03 13 03 43.1 34.45N 5.46W 0 3.1L
NEIC VIII 03 13 03 44.3 34.55N 5.50W 0 3.9
INMG VIII 03 13 03 44.8–.91 34.51N 5.52W 10–0 2.3L
LDG VIII 03 13 03 45.2–.41 34.80N 5.56W 2–0 2.9L
MDD VIII 03 13 03 46.0–.70 34.45N 5.46W 22–5 4.2b
CNRM VIII 03 13 03 45.8 34.38N 5.41W 5 3.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=154.6.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=74.0.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=3.2km az=8.0.
LDG Event type ke. Error ellipse: s-maj=8.2km s-min=5.0km az=3.0.
MDD Error ellipse: s-maj=5.0km s-min=3.6km az=75.0. PRIMO.
CNRM Event type ke.
ISC VIII 22 10 18 49.6–.66 32.35N–.04 6.39W–.04 11–6 32 0-7
CNRM VIII 22 10 18 46.8 32.42N 6.63W 6 3.5 **¶11359018**
ISCJB VIII 22 10 18 48.7–.67 32.37N–.05 6.47W–.05 16–8 3.5
CSEM VIII 22 10 18 48.9–.37 32.29N 6.33W 8 3.3L
INMG VIII 22 10 18 52.0–.79 32.50N 6.18W 0–0 2.6L
ISC Event type ke.
CNRM Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.0km s-min=6.9km az=12.3.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=7.1km az=24.0.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=5.3km az=74.0.
ISC VIII 22 23 37 31.9–.61 32.33N–.04 6.33W–.04 18–4 94 0-8
ISCJB VIII 22 23 37 31.0–.60 32.37N–.04 6.39W–.05 24–6 **¶11359020**
CSEM VIII 22 23 37 31.5–.45 32.26N 6.30W 15 3.2
CNRM VIII 22 23 37 32.3 32.29N 6.33W 9 3.2
MDD VIII 22 23 37 32.0–.53 32.25N 6.28W 8–4 4.1b
INMG VIII 22 23 37 34.9–.98 32.53N 6.17W 0–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.0km az=27.4.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=8.3km az=25.0.
CNRM Event type ke.
MDD Error ellipse: s-maj=8.2km s-min=3.8km az=138.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=8.5km s-min=6.3km az=57.0.
ISC VIII 22 23 38 49.2–.62 32.34N–.04 6.37W–.04 14–5 83 0-7
ISCJB VIII 22 23 38 48.3–.61 32.36N–.05 6.43W–.04 21–7 **¶11359021**
CSEM VIII 22 23 38 48.0–.42 32.29N 6.37W 12 3.1L
CNRM VIII 22 23 38 49.0 32.34N 6.40W 3 3.3
MDD VIII 22 23 38 49.0–.59 32.25N 6.27W 1–6 3.9b
INMG VIII 22 23 38 53.6–.87 32.55N 6.24W 0–0 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=6.2km az=16.7.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=8.0km az=57.0.
CNRM Event type ke.
MDD Error ellipse: s-maj=8.3km s-min=3.4km az=140.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=6.9km s-min=5.6km az=6.0.
ISC VIII 28 04 00 00.9–.59 34.81N–.02 4.20W–.03 9–4 216 0-9
ISCJB VIII 28 04 00 00.1–.72 34.83N–.02 4.23W–.03 12–5 **¶11359055**
INMG VIII 28 04 00 00.6–1.2 34.83N 4.26W 0–0 2.1L
CSEM VIII 28 04 00 00.4–.16 34.78N 4.13W 5 3.4
MDD VIII 28 04 00 01.1–.33 34.79N 4.14W 0 3.8b
CNRM VIII 28 04 00 01.9 34.78N 4.05W 4 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=18.6.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=117.0.
MDD Error ellipse: s-maj=4.1km s-min=2.9km az=119.0. PRIMO.
CNRM Event type ke.
ISC IX 11 18 22 29.1–.40 33.65N–.02 5.93W–.04 10 106 1-5
ISCJB IX 11 18 22 28.3–.40 33.68N–.02 5.98W–.04 10 **¶11362297**
MDD IX 11 18 22 31.6–.97 33.60N 5.84W 18–8 3.5b
CSEM IX 11 18 22 31.0–.13 33.59N 5.83W 20 2.7
CNRM IX 11 18 22 31.2 33.57N 5.84W 4 2.7
INMG IX 11 18 22 34.9–1.2 33.75N 5.83W 30–19 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.0km az=165.9.
MDD Error ellipse: s-maj=8.0km s-min=4.3km az=92.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=78.0.
CNRM Event type ke.
INMG Event type ke. Error ellipse: s-maj=12.4km s-min=7.2km az=121.0.
ISC IX 17 21 35 30.6–.92 34.41N–.03 4.36W–.07 11–8 104 0-5
CNRM IX 17 21 35 29.6 34.48N 4.36W 9 2.8 **¶12952068**
ISCJB IX 17 21 35 30.3–1.0 34.36N–.04 4.54W–.07 17–13 2.8
CSEM IX 17 21 35 30.6–.29 34.32N 4.52W 10 2.8
MDD IX 17 21 35 31.1–.48 34.46N 4.25W 0 3.5b
NEIC IX 17 21 35 31.6 34.41N 4.48W 0 3.6
ISC Event type ke.
CNRM Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.0km az=170.3.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.2km az=63.0.
MDD Error ellipse: s-maj=7.6km s-min=3.6km az=88.0. PRIMO SIN SOLUCI.
NEIC Event type se. After MDD.
MDD IX 22 01 05 42.2–2.0 32.52N 3.45W 0 3.7b
CSEM IX 22 01 05 41.9 32.35N 3.26W 18 3.3 **¶13860554**
CNRM IX 22 01 05 41.9 32.35N 3.26W 18 3.3
MDD Error ellipse: s-maj=19.7km s-min=7.2km az=115.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After CNRM.
CNRM Event type ke.
ISC IX 28 02 11 20.8–.37 33.79N–.02 5.93W–.02 10 444 1-16
ISCJB IX 28 02 11 18.0–.31 33.74N–.02 5.99W–.02 10 **¶11327318**
NEIC IX 28 02 11 19.7–.45 33.67N 5.89W 10 3.4L
LDG IX 28 02 11 20.5–.15 33.57N 5.94W 10–0 3.4L
INMG IX 28 02 11 20.5–2.2 33.77N 5.92W 1–14 3.0L
CSEM IX 28 02 11 20.8–.18 33.78N 5.92W 10 4.0L
CNRM IX 28 02 11 20.2 33.55N 5.86W 3 4.1
MDD IX 28 02 11 20.1–.68 33.61N 5.93W 11–6 4.5b
IGIL IX 28 02 11 21.3 33.70N 5.86W 3 3.0L
SFS IX 28 02 11 21.0 33.77N 6.05W 0 4.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=156.6.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.3km az=51.0.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=53.0.
INMG Event type ke. Error ellipse: s-maj=10.4km s-min=4.9km az=173.0.
CSEM Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=178.0.
CNRM Event type ke.
MDD Error ellipse: s-maj=3.9km s-min=3.7km az=99.0. PRXIMO.
SFS Event type ke.
ISC X 04 06 00 29.0–.71 34.48N–.03 4.27W–.07 17–5 29 0-5
MDD X 04 06 00 30.3–.48 34.37N 4.25W 21–6 3.5b **¶14554867**
CNRM X 04 06 00 31.3 34.37N 4.24W 4 2.6
CSEM X 04 06 00 31.3 34.37N 4.24W 4 2.6
ISC Event type ke.
MDD Error ellipse: s-maj=8.4km s-min=4.4km az=113.0. PRXIMO.
CNRM Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After CNRM.
ISC X 04 19 57 40.7–.65 32.36N–.03 6.10W–.04 13–4 91 0-7
INMG X 04 19 57 38.7–.85 32.04N 6.03W 31–0 2.3L **¶11525912**
ISCJB X 04 19 57 40.5–.55 32.41N–.03 6.15W–.04 22–4 2.3L
CSEM X 04 19 57 40.2–.20 32.34N 6.10W 10 3.0
MDD X 04 19 57 40.4–.59 32.31N 6.07W 0 3.5b
CNRM X 04 19 57 41.0 32.31N 6.07W 1 3.0
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=11.9km s-min=6.1km az=77.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.8km az=34.5.
CSEM Event type ke. Error ellipse: s-maj=4.4km s-min=3.6km az=125.0.
MDD Error ellipse: s-maj=6.8km s-min=3.5km az=132.0. PRXIMO.
CNRM Event type ke.
ISC X 14 18 59 25.8–1.0 34.51N–.06 2.12W–.07 10 72 0-4
MDD X 14 18 59 22.7–1.7 34.18N 1.92W 20–9 3.6b **¶13397075**
ISCJB X 14 18 59 24.2–1.1 34.50N–.06 2.04W–.08 10 3.6b
NEIC X 14 18 59 24.5 34.44N 1.99W 0 3.3
CSEM X 14 18 59 25.1–.85 34.36N 1.83W 30 2.6
CNRM X 14 18 59 30.1 34.16N 2.51W 0 2.6
ISC Event type ke.
MDD Error ellipse: s-maj=15.1km s-min=10.4km az=127.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.6km az=33.3.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=19.6km s-min=10.9km az=122.0.
CNRM Event type ke.
ISC XI 08 21 16 56.3–.48 33.25N–.02 5.47W–.04 10 141 0-9
CSEM XI 08 21 16 54.3–.17 33.09N 5.25W 10 3.5 **¶11653313**
ISCJB XI 08 21 16 55.3–.44 33.31N–.02 5.53W–.04 10 3.5
CNRM XI 08 21 16 55.4 33.09N 5.23W 2 3.5
MDD XI 08 21 16 56.3–.83 33.20N 5.46W 0 3.8b
INMG XI 08 21 16 56.5–.95 33.17N 5.28W 15–4 2.3L
IGIL XI 08 21 16 56.4 33.13N 5.27W 13 2.6L
NEIC XI 08 21 16 58.0 33.28N 5.59W 0 3.8
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.1km az=106.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=2.9km az=21.3.
CNRM Event type ke.
MDD Error ellipse: s-maj=14.4km s-min=3.8km az=115.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=4.4km az=119.0.
NEIC Event type se. After MDD.
ISC XII 08 10 46 36.0–.59 32.72N–.03 5.59W–.04 10 156 0-10
INMG XII 08 10 46 33.7–2.0 32.47N 5.46W 15–16 2.7,2.6L **¶12076347**
MDD XII 08 10 46 33.8–.66 32.39N 5.40W 18–5 4.2b,2.6L
ISCJB XII 08 10 46 34.8–.55 32.79N–.03 5.63W–.04 10 4.2b,2.6L
CSEM XII 08 10 46 36.9–.36 32.80N 5.50W 10 3.5L,2.6L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=12.8km s-min=9.8km az=148.0.
MDD Error ellipse: s-maj=6.1km s-min=4.6km az=172.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=21.7.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=5.9km az=42.0.
INMG XII 08 14 28 51.3–.88 32.56N 6.94W 23–27
MDD XII 08 14 28 51.3–3.2 32.76N 6.71W 0 3.6b **¶12076366**
INMG Event type ke. Error ellipse: s-maj=33.0km s-min=5.4km az=19.0.
MDD Error ellipse: s-maj=38.0km s-min=27.3km az=68.0. PRXIMO.
ISC XII 10 13 21 43.0–.40 32.54N–.03 3.04W–.04 10 120 1-58
IDC XII 10 13 21 42.9–2.0 32.44N 2.82W 0 3.7,3.7b **¶12076748**
ISCJB XII 10 13 21 42.0–.45 32.63N–.03 3.04W–.04 10 3.7,3.7b
MDD XII 10 13 21 43.0–1.1 32.53N 3.00W 0 4.3b,3.2
INMG XII 10 13 21 43.6–1.2 32.37N 3.13W 31–0 2.9L,3.2
NEIC XII 10 13 21 44.1–1.2 32.49N 2.87W 10 2.9L,3.2
CSEM XII 10 13 21 46.5–.30 32.50N 3.47W 30 3.5L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=49.7km s-min=15.7km az=91.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.2km az=34.8.
MDD Error ellipse: s-maj=14.1km s-min=6.0km az=142.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=12.3km s-min=9.3km az=26.0.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=11.9km az=89.0.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=6.1km az=70.0.
ISC XII 13 01 40 42.4–.66 32.40N–.04 5.70W–.04 27–5 82 0-9
MDD XII 13 01 40 41.1–.81 32.29N 5.66W 10–7 3.8b **¶12077227**
INMG XII 13 01 40 42.9–.96 32.43N 5.58W 16–5 2.4L
CSEM XII 13 01 40 45.2–.38 32.69N 5.63W 10 3.8b
ISC Event type ke.
MDD Error ellipse: s-maj=6.7km s-min=4.7km az=3.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=4.7km az=8.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=6.4km az=49.0.
ISC XII 23 18 22 07.6–.67 32.20N–.05 6.28W–.04 22–6 86 0-7
ISCJB XII 23 18 22 06.9–.68 32.23N–.04 6.36W–.04 31–5 **¶11593879**
IGIL XII 23 18 22 06.0 32.05N 6.26W 0 2.8L
INMG XII 23 18 22 06.7–.81 32.22N 6.24W 0–0 2.4L
MDD XII 23 18 22 06.6–.87 32.09N 6.20W 9–5 3.8b
CSEM XII 23 18 22 09.3–.24 32.40N 6.16W 10 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.8km az=29.9.
INMG Event type ke. Error ellipse: s-maj=8.2km s-min=4.4km az=69.0.
MDD Error ellipse: s-maj=8.1km s-min=5.1km az=159.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.1km az=67.0.

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ISC VII 05 03 18 02.9–.50 36.63N–.03 4.85E–.04 10 261 0-22
CRAAG VII 05 03 17 58.6 36.31N 4.86E 3.8L **¶11108363**
CSEM VII 05 03 18 00.9–.24 36.48N 4.87E 5 3.8L
MDD VII 05 03 18 00.7–.54 36.37N 4.78E 0 4.1b
LDG VII 05 03 18 01.5–.11 36.30N 4.96E 10–0 2.9L

ISCJB VII 05 03 18 01.8–.47 36.74N–.03 4.86E–.04 10 2.9L
NEIC VII 05 03 18 04.5 36.61N 4.70E 0 3.9b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.9km az=29.0.
MDD Error ellipse: s-maj=8.9km s-min=3.9km az=33.0. PRIMO.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=32.2.
NEIC Event type se. After MDD.
ISC VII 07 00 08 17.2–.81 35.83N–.05 6.11E–.04 17–5 85 0-9
CRAAG VII 07 00 08 09.8 35.50N 6.14E 3.8L ¶11230831
CSEM VII 07 00 08 15.8–.47 35.75N 6.15E 10 3.5L
NEIC VII 07 00 08 16.2 35.78N 6.03E 2 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.4km s-min=5.4km az=174.0.
NEIC Event type se. After CSEM.
ISC VII 11 17 04 35.8–.49 36.00N–.03 0.63W–.04 10 94 0-5
ISCJB VII 11 17 04 35.5–.52 36.04N–.03 0.63W–.04 10 ¶11230833
CRAAG VII 11 17 04 36.7 35.62N 0.53W 3.5L
CSEM VII 11 17 04 36.1–.30 36.09N 0.61W 2 3.5L
MDD VII 11 17 04 37.5–.75 35.84N 0.57W 30 2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=42.9.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=5.6km az=49.0.
MDD Error ellipse: s-maj=8.3km s-min=6.6km az=148.0.
ISC VII 12 11 15 12.6–2.0 36.67N–.08 2.7E–.10 6–15 32 0-4
CRAAG VII 12 11 15 08.2 36.47N 2.91E 3.2L ¶11230835
CSEM VII 12 11 15 08.2 36.47N 2.91E 0 3.2L
ISCJB VII 12 11 15 12.6–1.3 36.71N–.05 2.7E–.10 10 3.2L
MDD VII 12 11 15 12.7–1.8 36.62N 2.83E 0 3.7b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
ISCJB Error ellipse: s-maj=12.8km s-min=6.9km az=9.9.
MDD Error ellipse: s-maj=23.6km s-min=9.7km az=101.0. PROXIMO SIN SOLUCION.
ISC VII 16 00 03 22.7–.33 36.32N–.02 1.42E–.02 10 471 0-10
ISCJB VII 16 00 03 21.1–.33 36.36N–.02 1.41E–.03 10 ¶11163159
CRAAG VII 16 00 03 21.7 36.26N 1.36E 4.0L
MDD VII 16 00 03 22.4–.40 36.23N 1.46E 0 4.3b
CSEM VII 16 00 03 22.3–.18 36.26N 1.43E 10 4.0L
LDG VII 16 00 03 23.6–.17 36.08N 1.57E 20–0 3.1L
INMG VII 16 00 03 23.7–.86 36.08N 1.46E 31–0 2.6L
NEIC VII 16 00 03 25.2 36.30N 1.40E 30 3.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=40.9.
MDD Error ellipse: s-maj=4.8km s-min=3.4km az=119.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=148.0.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=1.7km az=149.0.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=3.0km az=126.0.
NEIC Event type se. After CSEM.
ISC VII 16 04 25 16.6–.65 35.72N–.06 0.50E–.04 24–9 99 0-6
CRAAG VII 16 04 25 15.5 35.66N 0.60E 3.1L ¶11230840
CSEM VII 16 04 25 15.5 35.66N 0.60E 0 3.1L
MDD VII 16 04 25 16.7–.55 35.62N 0.55E 24–6 4.2b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
MDD Error ellipse: s-maj=11.0km s-min=5.1km az=178.0.
ISC VII 17 17 31 59.2–.58 36.60N–.03 1.42E–.05 10 97 0-4
ISCJB VII 17 17 31 58.5–.58 36.62N–.03 1.37E–.05 10 ¶11230842
CSEM VII 17 17 31 59.6–.35 36.55N 1.45E 15 3.7b
CRAAG VII 17 17 31 59.9 36.44N 1.39E 3.1L
NEIC VII 17 17 32 00.5 36.65N 1.41E 0 3.7
MDD VII 17 17 32 00.1–.91 36.42N 1.60E 35 3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=160.6.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=5.9km az=81.0.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=11.9km s-min=6.4km az=95.0.
ISC VII 19 20 02 52.6–1.3 35.06N–.08 1.86W–.06 10 81 1-9
CSEM VII 19 20 02 50.7–1.0 35.06N 1.65W 5 3.2b ¶11163191
LDG VII 19 20 02 52.5–.83 34.95N 1.72W 10–0 2.8L
ISCJB VII 19 20 02 53.1–1.3 35.12N–.08 1.91W–.06 10 2.8L
NEIC VII 19 20 02 53.6 35.06N 1.94W 0 3.2
MDD VII 19 20 02 53.3–1.8 35.05N 1.90W 0 3.3b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=24.3km s-min=10.8km az=10.0.
LDG Event type ke. Error ellipse: s-maj=16.1km s-min=10.2km az=160.0.
ISCJB Event type ke. Error ellipse: s-maj=11.4km s-min=7.3km az=11.6.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=20.0km s-min=7.8km az=14.0.
ISC VII 24 17 19 53.1–.21 35.89N–.02 1.21W–.02 10 4.0b,3.5s 950 1-149
SFS VII 24 14 19 52.0 35.64N 0.97W 22 4.9L,3.5s ¶11163246
IDC VII 24 17 19 50.7–.53 35.80N 1.22W 0 4.4L,4.2
ISCJB VII 24 17 19 50.8–.20 35.90N–.02 1.17W–.02 10 4.0b,3.5s
IGIL VII 24 17 19 51.0 35.64N 0.98W 2 3.9L,3.5s
NEIC VII 24 17 19 52.1 35.64N 0.98W 22 4.9,3.5s
INMG VII 24 17 19 53.1–1.1 35.78N 1.17W 10–13 3.6L,3.5s
MDD VII 24 17 19 53.2–.52 35.76N 1.02W 19–7 4.8b,3.5s
LDG VII 24 17 19 53.9–.43 35.97N 1.37W 10–0 3.9L,3.5s
CSEM VII 24 17 19 53.5–.12 35.81N 1.13W 20 4.4L,4.3b
MOS VII 24 17 19 54.4–1.3 35.97N 1.06W 33 4.3b,4.3b
CRAAG VII 24 17 19 57.7 35.76N 0.44W 4.2L,4.3b
CNRM VII 24 17 19 59.8 35.65N 1.47E 30 4.6,4.3b
ISC Event type ke.
SFS Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=11.3km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=168.3.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=12.0km s-min=2.9km az=137.0.
MDD Error ellipse: s-maj=5.7km s-min=3.1km az=152.0.
LDG Event type ke. Error ellipse: s-maj=10.7km s-min=3.7km az=167.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=161.0.
MOS Error ellipse: s-maj=7.2km s-min=3.5km az=83.1.
CNRM Event type ke.
MDD VII 26 01 07 49.4–.55 36.42N 3.39E 0 3.5b
CRAAG VII 26 01 07 45.1 36.60N 3.67E 3.2L ¶11163262
CSEM VII 26 01 07 49.7–.29 36.40N 3.32E 10 3.2L
NEIC VII 26 01 07 54.0 36.69N 3.14E 0 3.4
LDG VII 26 01 07 54.9–.26 36.64N 3.23E 10–0 2.7L
MDD Error ellipse: s-maj=6.8km s-min=5.6km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=6.5km az=49.0.
NEIC Event type se. After MDD.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=2.9km az=157.0.
ISC VII 28 21 36 17.7–.94 34.89N–.05 1.95W–.09 10 64 1-4
ISCJB VII 28 21 36 16.6–.97 34.89N–.05 1.91W–.09 10 ¶13390335
MDD VII 28 21 36 19.3–1.9 34.80N 1.87W 26–20 1.8
CSEM VII 28 21 36 19.4–.59 34.85N 1.96W 30 3.5
CNRM VII 28 21 36 20.5 34.73N 1.82W 30 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=6.9km az=9.3.
MDD Error ellipse: s-maj=13.1km s-min=7.9km az=132.0.
CSEM Event type ke. Error ellipse: s-maj=17.4km s-min=7.8km az=111.0.
CNRM Event type ke.
ISC VIII 01 08 14 38.6–.98 36.69N–.07 2.29E–.07 26–14 32 1-4
ISCJB VIII 01 08 14 38.2–.85 36.73N–.06 2.28E–.07 29–13 ¶11230867
CRAAG VIII 01 08 14 38.0 36.58N 2.30E 3.3L
MDD VIII 01 08 14 38.2–1.4 36.58N 2.45E 77–23 3.4b
ISCJB Error ellipse: s-maj=10.7km s-min=9.0km az=165.1.
MDD Error ellipse: s-maj=11.7km s-min=9.5km az=53.0. PRIMO.
ISC VIII 03 16 41 39.1–.76 36.25N–.08 5.10E–.07 15–8 50 0-7
CSEM VIII 03 16 41 33.2 35.87N 4.86E 0 3.5L ¶11230871
CRAAG VIII 03 16 41 33.2 35.87N 4.86E 3.5L
ISCJB VIII 03 16 41 38.0–.92 36.2N–.10 5.02E–.08 19–13 3.5L
MDD VIII 03 16 41 38.8–.86 36.14N 5.04E 5–9 3.8b,2.0
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
ISCJB Error ellipse: s-maj=18.0km s-min=9.6km az=15.5.
MDD Error ellipse: s-maj=13.3km s-min=5.9km az=23.0. PRIMO.
MDD VIII 03 19 04 46.8–1.7 34.80N 1.83W 25–15 3.6b
CNRM VIII 03 19 04 44.5 34.81N 1.57W 30 3.7 ¶13390797
CSEM VIII 03 19 04 47.2–.41 34.81N 1.92W 40 3.7
MDD Error ellipse: s-maj=11.5km s-min=7.0km az=128.0. PRIMO.
CNRM Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=5.8km az=112.0.
ISC VIII 05 15 21 18.8–.45 36.93N–.03 3.53E–.04 10 198 0-9
ISCJB VIII 05 15 21 17.5–.43 36.98N–.03 3.50E–.04 10 ¶11230874
CRAAG VIII 05 15 21 17.3 36.76N 3.50E 3.7L
CSEM VIII 05 15 21 18.3–.24 36.81N 3.58E 10 3.7L
MDD VIII 05 15 21 18.8–.90 36.83N 3.56E 4–9 4.3b
NEIC VIII 05 15 21 21.2 37.00N 3.42E 0 4.0
SFS VIII 05 15 21 21.0 36.99N 3.42E 0 4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=160.1.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.1km az=73.0.
MDD Error ellipse: s-maj=8.6km s-min=6.0km az=25.0. PRIMO.
NEIC Event type se. After MDD.
SFS Event type ke.
CRAAG VIII 19 15 25 14.7 36.16N 4.72E 3.5L ¶11230889
ISC VIII 24 20 52 44.8–.28 36.53N–.02 0.98E–.02 10 3.8b 491 0-59
ISCJB VIII 24 20 52 42.9–.28 36.54N–.02 1.00E–.02 10 3.8b ¶11227271
IDC VIII 24 20 52 42.5–1.2 36.36N 1.02E 0 3.7b,3.7
CSEM VIII 24 20 52 44.2–.14 36.44N 1.04E 10 4.2L,3.7
MDD VIII 24 20 52 44.8–.32 36.48N 1.05E 0 3.0,3.7
NEIC VIII 24 20 52 44.5–.68 36.42N 1.07E 14–7 4.2,3.7
CRAAG VIII 24 20 52 45.0 36.37N 1.12E 4.2L,3.7
LDG VIII 24 20 52 46.6–.26 36.32N 1.14E 30–0 3.2L,3.7
INMG VIII 24 20 52 47.4–1.2 36.48N 1.03E 31–0 2.7L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=172.1.
IDC Error ellipse: s-maj=30.8km s-min=22.7km az=132.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=6.0.
MDD Error ellipse: s-maj=4.4km s-min=3.5km az=57.0. PRIMO.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.6km az=149.0.
LDG Event type ke. Error ellipse: s-maj=5.8km s-min=2.5km az=152.0.
INMG Event type ke. Error ellipse: s-maj=7.1km s-min=3.0km az=136.0.
ISC VIII 26 01 11 55.9–.46 35.98N–.03 0.75W–.02 10 201 0-6
NEIC VIII 26 01 11 52.6–2.1 35.66N 0.56W 10 3.8 ¶11230895
ISCJB VIII 26 01 11 54.8–.43 35.99N–.03 0.70W–.03 10 3.8
CRAAG VIII 26 01 11 54.7 35.81N 0.63W 3.4L
MDD VIII 26 01 11 57.1–.61 36.00N 0.79W 0 2.3
CSEM VIII 26 01 11 58.4–.31 36.12N 0.74W 10 3.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=7.3km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=16.2.
MDD Error ellipse: s-maj=7.6km s-min=4.6km az=7.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=4.7km az=20.0.
CRAAG VIII 26 09 09 31.8 36.58N 6.33E 3.5L
CSEM VIII 26 09 09 31.8 36.58N 6.33E 0 3.5L ¶11230896
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
ISC VIII 26 20 36 24.4–.93 36.45N–.05 0.99E–.06 14–11 158 0-6
ISCJB VIII 26 20 36 23.6–.92 36.50N–.07 0.95E–.07 15–19 ¶11230899
CSEM VIII 26 20 36 24.3–.20 36.42N 0.97E 10 3.7b
MDD VIII 26 20 36 24.4–.41 36.46N 0.99E 0 3.7b
NEIC VIII 26 20 36 25.6 36.51N 0.93E 0 3.7
CRAAG VIII 26 20 36 26.0 36.28N 1.20E 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=5.8km az=143.5.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.1km az=35.0.
MDD Error ellipse: s-maj=7.2km s-min=3.9km az=52.0. PRIMO.
NEIC Event type se. After MDD.
ISC VIII 29 19 41 40.6–.75 35.95N–.04 0.60W–.05 10 109 0-4
ISCJB VIII 29 19 41 39.9–.77 35.98N–.04 0.58W–.05 10 ¶12100356
MDD VIII 29 19 41 40.5–.49 35.89N 0.61W 0 3.6b
CSEM VIII 29 19 41 40.3–.43 35.90N 0.60W 10 3.6b
NEIC VIII 29 19 41 41.0 35.93N 0.64W 0 3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=5.3km az=43.5.
MDD Error ellipse: s-maj=8.8km s-min=4.5km az=54.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=7.4km az=135.0.
NEIC Event type se. After MDD.
ISC VIII 31 09 49 31.9–.42 36.43N–.03 3.02E–.04 10 167 0-9
CRAAG VIII 31 09 49 29.3 36.37N 3.08E 3.8L ¶11230907
ISCJB VIII 31 09 49 31.3–.45 36.52N–.03 2.98E–.04 10 3.8L
CSEM VIII 31 09 49 31.3–.24 36.37N 3.03E 5 3.8L
MDD VIII 31 09 49 31.7–.35 36.36N 3.01E 0 2.4
NEIC VIII 31 09 49 33.4 36.51N 3.01E 0 4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=149.3.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=5.2km az=22.0.
MDD Error ellipse: s-maj=4.9km s-min=4.0km az=58.0. PRIMO.
NEIC Event type se. After MDD.
ISC IX 02 20 58 35.8–.33 36.86N–.02 5.52E–.03 10 351 0-10
CRAAG IX 02 20 58 34.6 36.63N 5.49E 4.1L ¶11232435
ISCJB IX 02 20 58 34.3–.33 36.93N–.02 5.50E–.03 10 4.1L
CSEM IX 02 20 58 35.9–.21 36.78N 5.60E 10 3.2L
MDD IX 02 20 58 36.0–.33 36.71N 5.52E 0 4.3b
LDG IX 02 20 58 36.7–.14 36.68N 5.68E 10–0 3.5L
NEIC IX 02 20 58 36.7 36.74N 5.51E 0 3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.8km az=33.4.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.6km az=32.0.
MDD Event type fe. Error ellipse: s-maj=5.4km s-min=3.3km az=43.0. EMS: IV INTENSIDAD MAXIMA-CRAAG. PRIMO.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=25.0.
NEIC Event type se. After MDD.
ISC IX 06 10 47 11.1–.98 37.0N–.10 3.2E–.10 13–16 81 0-5
CRAAG IX 06 10 47 08.6 36.90N 3.29E 3.1L ¶11330279
CSEM IX 06 10 47 09.6–.37 36.90N 3.36E 5 3.9b
MDD IX 06 10 47 10.2–.75 36.93N 3.30E 0 4.0b
NEIC IX 06 10 47 15.3 37.26N 3.18E 0 3.5
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=6.8km az=79.0.
MDD Error ellipse: s-maj=9.7km s-min=5.4km az=87.0. PRIMO.
NEIC Event type se. After MDD.
CRAAG IX 06 14 38 32.7 36.70N 5.08E 3.5L
CSEM IX 06 14 38 32.7 36.70N 5.09E 0 3.5L ¶11330283
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
ISC IX 15 10 34 54.2–.31 36.98N–.02 4.17E–.03 10 270 1-10
CRAAG IX 15 10 34 52.7 37.00N 4.07E 4.0L ¶11302757
ISCJB IX 15 10 34 53.0–.30 37.06N–.02 4.18E–.03 10 4.0L
CSEM IX 15 10 34 53.3–.17 36.94N 4.26E 2 4.0L
NEIC IX 15 10 34 54.5–.77 36.97N 4.32E 10 4.0
MDD IX 15 10 34 55.5–1.3 36.96N 4.11E 30–14 4.3b
LDG IX 15 10 34 57.1–.34 37.00N 3.96E 30–0 3.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.9km az=139.4.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=37.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.8km az=165.0.
MDD Event type fe. Error ellipse: s-maj=7.6km s-min=6.4km az=25.0. EMS: IV INTENSIDAD MAXIMA-CRAAG. PRIMO.
LDG Event type ke. Error ellipse: s-maj=7.7km s-min=5.0km az=129.0.
ISC IX 15 15 51 01.9–.66 36.96N–.03 4.20E–.03 13–5 278 1-9
CRAAG IX 15 15 50 58.7 37.02N 4.23E 4.4L ¶11302758
CSEM IX 15 15 51 00.9–.22 36.96N 4.29E 2 4.4L
MDD IX 15 15 51 00.3–.62 36.81N 4.17E 0 4.4b
NEIC IX 15 15 51 02.4–1.2 36.95N 4.34E 10 4.4

LDG IX 15 15 51 03.7–.24 36.95N 4.09E 30–0 3.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=5.2km az=33.0.
MDD Error ellipse: s-maj=10.4km s-min=8.1km az=23.0. PRIMO.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=9.2km az=158.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=4.4km az=130.0.
ISC IX 15 17 43 57.2–.53 35.81N–.04 0.22E–.03 10 182 1-6
CRAAG IX 15 17 43 55.1 35.71N 0.26E 4.1L **¶11329917**
ISCJB IX 15 17 43 56.8–.53 35.85N–.04 0.19E–.03 10 4.1L
NEIC IX 15 17 43 56.7 35.70N 0.21E 0 3.8
CSEM IX 15 17 43 56.7–.34 35.66N 0.23E 15 4.1L
MDD IX 15 17 43 58.2–1.0 35.77N 0.27E 46–33 4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=2.4.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=9.3km s-min=4.5km az=2.0.
MDD Error ellipse: s-maj=8.8km s-min=5.1km az=169.0. PRIMO.
ISC IX 15 22 48 03.2–.85 36.94N–.04 4.09E–.04 18–6 184 1-8
CRAAG IX 15 22 47 57.3 37.00N 4.27E 4.1L **¶11329918**
CSEM IX 15 22 48 01.4–.19 36.88N 4.22E 2 4.1L
MDD IX 15 22 48 01.4–.77 36.96N 4.20E 0 4.2b
NEIC IX 15 22 48 04.4 36.89N 4.14E 30 3.9L
SFS IX 15 22 48 05.0 37.04N 4.02E 0 4.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=4.5km az=28.0.
MDD Error ellipse: s-maj=9.3km s-min=8.8km az=34.0. PRIMO.
NEIC Event type se. After CSEM.
SFS Event type ke.
ISC IX 16 04 52 24.6–.90 36.52N–.05 1.24E–.05 13–11 149 0-8
CRAAG IX 16 04 52 20.8 36.54N 1.18E 3.7L **¶11329922**
ISCJB IX 16 04 52 23.5–.83 36.54N–.05 1.20E–.05 12–9 3.7L
MDD IX 16 04 52 23.7–.69 36.59N 1.14E 0 3.6b
CSEM IX 16 04 52 24.1–.21 36.54N 1.22E 2 3.4b
NEIC IX 16 04 52 25.4 36.50N 1.26E 9 3.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.2km s-min=5.4km az=141.4.
MDD Error ellipse: s-maj=7.7km s-min=5.1km az=59.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.3km az=61.0.
NEIC Event type se. After MDD.
ISC IX 19 04 04 29.8–.99 35.96N–.10 4.25E–.05 11–6 82 0-6
CRAAG IX 19 04 04 24.4 35.77N 4.23E 3.8L **¶11329949**
MDD IX 19 04 04 28.1–1.3 35.74N 4.27E 0 4.0b
NEIC IX 19 04 04 28.6 35.89N 4.36E 0 3.7
CSEM IX 19 04 04 29.1–.58 35.88N 4.27E 10 3.8L
ISC Event type ke.
MDD Error ellipse: s-maj=21.7km s-min=6.6km az=8.0. PRIMO.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=20.3km s-min=6.9km az=2.0.
ISC IX 23 22 07 17.5–.56 36.70N–.05 5.33E–.08 10 57 0-7
ISCJB IX 23 22 07 16.4–.60 36.74N–.06 5.26E–.09 10 **¶11329983**
MDD IX 23 22 07 18.2–.60 36.63N 5.31E 0 4.1b
CSEM IX 23 22 07 18.4–.21 36.59N 5.37E 15 2.7L
CRAAG IX 23 22 07 19.7 36.47N 5.54E 2.7L
NEIC IX 23 22 07 20.5 36.71N 5.17E 0 3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=3.9km az=141.6.
MDD Error ellipse: s-maj=7.9km s-min=5.3km az=56.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=4.3km az=50.0.
NEIC Event type se. After MDD.
ISC IX 28 02 36 09.6–.84 36.74N–.06 2.05E–.06 11–10 130 1-9
CRAAG IX 28 02 36 06.4 36.61N 2.12E 3.8L **¶11330028**
MDD IX 28 02 36 09.6–.50 36.69N 2.06E 0 4.0b
CSEM IX 28 02 36 09.4–.28 36.67N 2.06E 10 3.8L
NEIC IX 28 02 36 11.8 36.86N 2.05E 0 4.0
ISC Event type ke.
MDD Error ellipse: s-maj=5.8km s-min=5.2km az=147.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.3km az=140.0.
NEIC Event type se. After MDD.
ISC IX 30 03 28 39.8–.83 35.89N–.06 0.60W–.05 34–11 154 0-8
NEIC IX 30 03 28 35.8–1.7 35.75N 0.54W 10 3.2 **¶11322824**
MDD IX 30 03 28 39.6–.24 35.86N 0.57W 0 3.5b
CRAAG IX 30 03 28 39.5 35.80N 0.68W 3.2L
CSEM IX 30 03 28 39.4–.24 36.02N 0.70W 10 3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=5.5km az=155.0.
MDD Error ellipse: s-maj=2.4km s-min=1.8km az=153.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=5.3km s-min=4.7km az=2.0.
MDD X 05 02 41 27.6–12 34.96N 0.37W 0 3.7b
¶14554898
MDD Error ellipse: s-maj=138.0km s-min=27.2km az=163.0. PRXIMO.
MDD X 11 19 38 36.1–.39 35.90N 0.53W 31–8 2.3
CSEM X 11 19 38 35.3–.22 35.95N 0.62W 20 3.6L **¶11406358**
CRAAG X 11 19 38 35.0 35.89N 0.40W 3.6L
MDD Error ellipse: s-maj=6.9km s-min=5.5km az=31.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.7km az=38.0.
ISC X 12 01 20 24.2–.99 36.59N–.04 2.64E–.09 10 67 0-6
CRAAG X 12 01 20 20.1 36.46N 2.98E 3.3L **¶11406361**
MDD X 12 01 20 21.9–.62 36.43N 2.87E 0 3.7b
ISCJB X 12 01 20 23.5–.97 36.65N–.04 2.65E–.09 10 3.7b
CSEM X 12 01 20 24.1–.46 36.54N 2.64E 10 2.3L
NEIC X 12 01 20 24.5 36.56N 2.69E 0 3.2
ISC Event type ke.
MDD Error ellipse: s-maj=10.5km s-min=5.3km az=76.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.9km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=4.8km az=116.0.
NEIC Event type se. After MDD.
ISC X 15 17 49 11.6–1.0 35.58N–.07 0.56W–.06 18–7 97 0-5
CSEM X 15 17 49 10.8–.49 35.55N 0.57W 15 3.6b **¶11406371**
NEIC X 15 17 49 10.7 35.55N 0.60W 0 3.6
MDD X 15 17 49 10.7–1.3 35.50N 0.57W 7–7 3.5b
ISCJB X 15 17 49 11.2–.95 35.61N–.07 0.55W–.06 23–9 3.5b
CRAAG X 15 17 49 11.4 35.79N 0.40W 2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.8km s-min=6.4km az=169.0.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=13.7km s-min=7.8km az=155.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.1km az=153.7.
ISC X 17 00 08 10.3–.86 35.53N–.05 0.15W–.03 35–9 208 0-9
INMG X 17 00 07 58.9–.53 34.82N 0.55E 31–0 **¶11406372**
CRAAG X 17 00 08 03.3 35.15N 0.38W 3.3L
NEIC X 17 00 08 07.2 35.46N 0.15W 0 3.8
CSEM X 17 00 08 08.7–.32 35.40N 0.17W 30 3.3L
MDD X 17 00 08 08.7–.84 35.39N 0.12W 24–6 3.9b
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=28.1km s-min=8.1km az=58.0.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=3.7km az=172.0.
MDD Error ellipse: s-maj=10.6km s-min=4.4km az=5.0. PRXIMO.
ISC X 18 19 53 52.5–1.4 36.0N–.20 4.18E–.06 10 24 1-5
ISCJB X 18 19 53 51.8–1.3 36.0N–.20 4.15E–.06 10 **¶11406379**
MDD X 18 19 53 51.9–1.7 35.88N 4.21E 0 3.6b
CRAAG X 18 19 54 02.7 35.92N 5.17E 3.3L
CSEM X 18 19 54 02.7 35.92N 5.17E 0 3.3L
ISCJB Error ellipse: s-maj=27.5km s-min=5.9km az=9.7.
MDD Error ellipse: s-maj=36.6km s-min=6.6km az=7.0. PRXIMO.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
CRAAG X 20 09 45 44.5 36.60N 6.21E 3.6L
CSEM X 20 09 45 44.5 36.60N 6.21E 0 3.6L **¶11406386**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
ISC X 23 08 58 24.5–1.4 36.46N–.07 4.68E–.06 8–12 45 1-6
CRAAG X 23 08 58 17.9 35.95N 4.62E 3.3L **¶11406396**
CSEM X 23 08 58 17.9 35.95N 4.62E 0 3.3L
ISCJB X 23 08 58 24.0–.53 36.52N–.05 4.65E–.05 10 3.3L
MDD X 23 08 58 24.6–.57 36.35N 4.64E 0 4.1b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
ISCJB Error ellipse: s-maj=8.5km s-min=4.1km az=29.0.
MDD Error ellipse: s-maj=12.3km s-min=4.9km az=16.0. PRXIMO.
ISC X 24 08 24 05.6–1.8 36.2N–.10 4.6E–.10 13–18 19 1-4
ISCJB X 24 08 24 04.9–1.8 36.3N–.10 4.54E–.08 7–18 **¶11406405**
MDD X 24 08 24 06.0–1.6 36.15N 4.54E 6–19 3.8b
CRAAG X 24 08 24 08.3 36.27N 5.93E 3.1L
CSEM X 24 08 24 08.3 36.27N 5.93E 0 3.1L
ISCJB Error ellipse: s-maj=20.3km s-min=10.0km az=12.8.
MDD Error ellipse: s-maj=21.2km s-min=11.0km az=176.0. PRXIMO.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
ISC X 26 04 44 41.3–1.3 36.14N–.09 4.94E–.07 1–13 38 0-6
CRAAG X 26 04 44 39.7 35.90N 5.06E 3.3L **¶11406417**
CSEM X 26 04 44 39.7 35.90N 5.06E 0 3.3L
ISCJB X 26 04 44 40.4–1.4 36.15N–.09 4.87E–.06 5–12 3.3L
MDD X 26 04 44 41.3–1.4 35.94N 4.94E 0 3.6b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
ISCJB Error ellipse: s-maj=16.0km s-min=8.1km az=13.4.
MDD Error ellipse: s-maj=20.4km s-min=6.7km az=12.0. PRXIMO.
MDD X 26 18 09 13.3–1.2 34.35N 1.95W 33–14 3.6b
CNRM X 26 18 09 15.8 34.30N 2.23W 17 2.8 **¶14555493**
CSEM X 26 18 09 15.8 34.30N 2.23W 17 2.8
MDD Error ellipse: s-maj=17.7km s-min=7.8km az=104.0. PRXIMO.
CNRM Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After CNRM.
ISC X 30 04 50 22.0–.92 36.63N–.07 5.23E–.06 16–11 38 0-7
CRAAG X 30 04 50 19.3 36.54N 5.05E 3.0L **¶11406438**
CSEM X 30 04 50 19.3 36.54N 5.05E 0 3.0L
MDD X 30 04 50 21.7–.58 36.54N 5.13E 0 3.7b
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ALG.
MDD Error ellipse: s-maj=9.7km s-min=4.9km az=47.0. PRXIMO.
ISC XI 05 05 38 46.1–.37 35.79N–.04 7.70E–.04 10 3.4b 106 1-55
TUN XI 05 05 38 34.1 36.22N 6.36E 10 3.9 **¶11456234**
IDC XI 05 05 38 43.9–1.3 35.72N 7.62E 0 3.8L,3.6
ISCJB XI 05 05 38 45.1–.40 35.81N–.05 7.64E–.04 10 3.4b,3.6
CRAAG XI 05 05 38 45.0 35.98N 7.60E 3.8L,3.6
CSEM XI 05 05 38 45.6–.22 35.79N 7.71E 2 3.8L,3.6
NEIC XI 05 05 38 46.4 35.83N 7.68E 5 3.9L,3.7L
LDG XI 05 05 38 47.1–.11 35.88N 7.66E 30–0 3.3L,3.7L
ISC Event type ke.
TUN Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=14.4km az=170.0.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=3.7km az=19.1.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.5km az=29.0.
NEIC Event type se. After CSEM.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=44.0.
ISC XI 05 22 25 59.5–.46 36.55N–.04 4.87E–.05 10 143 1-11
CRAAG XI 05 22 25 55.6 36.35N 4.68E 3.6L **¶11456238**
ISCJB XI 05 22 25 58.8–.47 36.69N–.04 4.85E–.05 10 3.6L
CSEM XI 05 22 25 59.1–.27 36.50N 4.86E 10 3.6L
LDG XI 05 22 26 01.0–.68 36.49N 4.94E 10–0 3.6L
NEIC XI 05 22 26 02.4 36.63N 4.62E 0 4.3
MDD XI 05 22 26 02.3–1.0 36.62N 4.57E 0 2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.2km az=36.1.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=4.4km az=35.0.
LDG Event type ke. Error ellipse: s-maj=14.5km s-min=6.9km az=158.0.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=11.4km s-min=9.3km az=159.0. PRIMO.
ISC XI 15 13 56 00.6–.40 36.23N–.03 2.62E–.03 10 3.3b 240 0-58
NEIC XI 15 13 55 58.9–.67 36.04N 2.71E 10 4.1 **¶11490440**
CSEM XI 15 13 55 59.3–.31 36.05N 2.65E 10 4.2L
ISCJB XI 15 13 55 59.1–.41 36.28N–.03 2.61E–.03 10 3.3b
MDD XI 15 13 55 59.8–.76 36.04N 2.73E 8–11 4.1b
IDC XI 15 13 55 59.0–1.5 36.42N 2.79E 0 3.4L,3.3b
CRAAG XI 15 13 55 59.2 36.03N 2.66E 4.2L,3.3b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.1km az=167.0.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=4.4km az=159.0.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=3.3km az=168.1.
MDD Event type fe. Error ellipse: s-maj=16.3km s-min=5.4km az=136.0. EMS: IV INTENSIDAD MAXIMA-CRAAG. PRIMO.
IDC Error ellipse: s-maj=30.3km s-min=27.9km az=150.0.
ISC XI 24 01 24 55.4–.81 33.44N–.04 0.41W–.05 10 100 2-8
ISCJB XI 24 01 24 53.8–.82 33.48N–.04 0.39W–.05 10 **¶14555992**
MDD XI 24 01 24 55.7–1.8 33.51N 0.13W 0 3.8b
CSEM XI 24 01 24 56.0–.61 33.34N 0.27W 30 3.8
CNRM XI 24 01 25 03.1 32.70N 0.82W 30 3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=6.1km az=32.7.
MDD Error ellipse: s-maj=16.7km s-min=14.7km az=131.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=12.9km s-min=8.8km az=122.0.
CNRM Event type ke.
MDD XI 27 17 38 23.5–.37 36.59N 5.11E 0 4.1b
CRAAG XI 27 17 38 20.4 36.55N 5.02E 4.0L **¶11490464**
CSEM XI 27 17 38 23.0–.16 36.66N 5.21E 2 4.0L
NEIC XI 27 17 38 23.7–.49 36.64N 5.23E 10 3.5L
LDG XI 27 17 38 30.8–.29 37.13N 4.53E 10–0 3.6L
MDD Event type fe. Error ellipse: s-maj=7.2km s-min=3.6km az=43.0. EMS: IV INTENSIDAD MAXIMA-CRAAG. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=37.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.5km az=47.0.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=150.0.
MDD XII 10 09 20 22.8–1.1 36.85N 4.09E 15–12 4.0b
CRAAG XII 10 09 20 20.6 36.88N 4.15E 3.5L **¶11656823**
CSEM XII 10 09 20 21.4–.28 36.86N 4.08E 10 3.5L
MDD Error ellipse: s-maj=10.3km s-min=5.8km az=35.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=6.6km az=43.0.
ISC XII 14 15 12 30.0–.84 36.38N–.07 1.68E–.07 20–13 103 0-7
CSEM XII 14 15 12 28.5–.42 36.22N 1.73E 20 3.5L **¶11656914**
CRAAG XII 14 15 12 28.4 36.08N 1.58E 3.5L
MDD XII 14 15 12 28.1–1.0 36.17N 1.84E 18–9 4.0b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9.1km s-min=5.6km az=123.0.
MDD Error ellipse: s-maj=13.5km s-min=7.9km az=140.0. PRXIMO.
ISC XII 21 21 06 55.1–.73 35.87N–.05 3.63E–.05 10 83 1-8
CRAAG XII 21 21 06 49.5 35.69N 3.72E 3.5L **¶11657088**
ISCJB XII 21 21 06 53.8–.74 35.88N–.05 3.57E–.05 10 3.5L
CSEM XII 21 21 06 53.4–.43 35.70N 3.70E 10 3.5L
MDD XII 21 21 06 54.0–.84 35.77N 3.71E 0 4.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=6.5km az=170.0.
MDD Error ellipse: s-maj=11.2km s-min=7.2km az=4.0. PRXIMO.

(397) Tunisia.

ISC IX 24 22 28 57.7–.78 34.14N–.03 8.46E–.04 23–6 4.2b,3.3s 168 0-85
TUN IX 24 22 28 56.3 34.24N 8.61E 9 3.8,3.3s **¶13395128**
CSEM IX 24 22 28 57.8–.50 34.16N 8.50E 25–4 4.6b,3.3s
LDG IX 24 22 28 59.1–.24 34.11N 8.35E 40–0 3.2L,3.0s
NEIC IX 24 22 28 59.1–.71 34.20N 8.46E 36–8 4.6b,3.0s
IDC IX 24 22 29 00.7–1.5 34.19N 8.49E 56–14 3.8,3.8
CRAAG IX 24 22 29 01.5 34.00N 8.30E 4.2b,3.8
ISC Event type ke.
TUN Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.3km az=80.0.
LDG Event type ke. Error ellipse: s-maj=7.5km s-min=6.3km az=69.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=121.0.

IDC Error ellipse: s-maj=18.2km s-min=10.2km az=115.0.

(398) Sicily.

ISC	**VII**	**03 20 56 53.1–.38**	**38.42N–.02**	**13.67E–.03**	**14–3**	**3.8b,3.0s**	**174**	**0-66**
CSEM	VII	03 20 56 50.6–.27	38.53N	13.75E	2	4.2b,3.0s		¶11108355
ROM	VII	03 20 56 52.8–.15	38.44N	13.67E	21–3	3.4L,3.0s		
ISCJB	VII	03 20 56 52.7–.40	38.45N–.02	13.60E–.03	25–4	3.8b,3.0s		
IDC	VII	03 20 56 52.8–.89	38.58N	13.80E	0	3.8b,3.7		
NEIC	VII	03 20 56 53.4–.44	38.53N	13.70E	10	4.2b,3.8L		
LDG	VII	03 20 56 55.3–.17	38.31N	13.63E	20–0	3.1L,3.8L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=36.0.
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=35.4.
IDC Error ellipse: s-maj=21.4km s-min=14.0km az=93.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.8km az=220.0.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=46.0.

ISC	**VIII**	**17 01 36 54.5–.18**	**38.46N–.02**	**14.83E–.02**	**193–2**	**3.9b**	**433**	**0-49**
ROM	VIII	17 01 36 52.8–.32	38.42N	14.84E	203–4	3.8L		¶13391907
ISCJB	VIII	17 01 36 53.5–.18	38.44N–.02	14.84E–.02	198–2	3.9b		
PDG	VIII	17 01 36 54.4–1.2	38.38N	15.05E	190–4	3.8L		
NEIC	VIII	17 01 36 54.9–.33	38.46N	14.89E	198–4	3.9b		
IDC	VIII	17 01 36 54.0–.78	38.54N	14.76E	196–10	3.3b,3.3		
CSEM	VIII	17 01 36 55.0–.10	38.54N	14.85E	200	4.3b,3.3b		

ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=130.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.7km az=149.9.
PDG Event type ke. Error ellipse: s-maj=2.2km s-min=3.8km az=0.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=178.0.
IDC Error ellipse: s-maj=15.1km s-min=10.5km az=118.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=172.0.

ROM	**IX**	**02 09 16 45.1–.16**	**38.03N**	**15.06E**	**7–1**	**3.5L,3.4**		
CSEM	IX	02 09 16 45.1	38.03N	15.06E	7	3.4,3.4		¶13897479

ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=115.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM	**IX**	**18 15 46 37.2–.29**	**38.53N**	**13.17E**	**10–0**	**2.3,2.3L**		
CSEM	IX	18 15 46 37.2	38.53N	13.17E	10	2.3,2.3L		¶13897783

ROM Event type ke. Error ellipse: s-maj=7.5km s-min=1.9km az=80.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ROM	**IX**	**26 23 28 50.4–.43**	**38.37N**	**13.57E**	**8–5**	**2.7L,2.5**		
CSEM	IX	26 23 28 50.4	38.37N	13.57E	8	2.5,2.5		¶13897922

ROM Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC	**X**	**22 16 25 54.6–.47**	**38.66N–.03**	**13.24E–.04**	**11–3**		**154**	**0-13**
ISCJB	X	22 16 25 52.7–.51	38.70N–.03	13.16E–.04	9–4			¶11380301
NEIC	X	22 16 25 52.1–1.6	38.36N	13.13E	10	3.5L		
CSEM	X	22 16 25 53.3–.22	38.74N	13.51E	10	3.1		
LDG	X	22 16 25 55.9–.18	38.55N	13.15E	10–0	3.5L		
ROM	X	22 16 25 55.5–.17	38.67N	13.35E	15–2	3.3L,3.1		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.1km az=141.8.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=8.9km az=197.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.9km az=52.0.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=3.5km az=41.0.
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=113.0.

ISC	**X**	**27 10 55 55.8–.23**	**38.19N–.02**	**15.14E–.02**	**15–2**	**3.8b**	**256**	**0-126**
CSEM	X	27 10 55 54.6–.14	38.25N	15.14E	5	3.8L		¶11380351
IDC	X	27 10 55 54.5–.83	38.22N	15.22E	0	3.8b,3.8		
ROM	X	27 10 55 55.2–.14	38.17N	15.17E	7–1	3.9L,3.8		
NEIC	X	27 10 55 55.4	38.17N	15.17E	10	3.8L,3.8		
LDG	X	27 10 55 56.2–.12	38.13N	15.16E	5–0	3.4L,3.8		
BEO	X	27 10 55 57.8–.96	38.48N	15.09E	0–0	3.8L,3.8		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=126.0.
IDC Error ellipse: s-maj=22.7km s-min=15.0km az=108.0.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=122.0.
NEIC Event type se. After ROM.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=106.0.

ISC	**X**	**30 15 49 30.5–.15**	**38.92N–.02**	**15.38E–.02**	**238–1**	**4.0b**	**664**	**0-126**
ROM	X	30 15 49 28.9–.23	38.90N	15.44E	244–3	4.1L		¶13398657
ISCJB	X	30 15 49 29.4–.15	38.91N–.02	15.36E–.02	244–1	4.0b		
CSEM	X	30 15 49 29.8–.09	38.94N	15.46E	242–1	4.1b		
IDC	X	30 15 49 30.3–1.5	39.07N	15.17E	240–15	3.7,3.7		
NEIC	X	30 15 49 30.2–.48	38.96N	15.47E	244–4	4.3b,3.7		
MOS	X	30 15 49 32.2–1.3	39.13N	15.37E	270	4.2b,3.7		
LDG	X	30 15 49 33.7–.89	39.52N	15.66E	260–0	4.3b,3.7		

ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=115.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=22.2.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=109.0.
IDC Error ellipse: s-maj=10.1km s-min=9.7km az=91.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.0km az=176.0.
MOS Error ellipse: s-maj=6.7km s-min=3.7km az=111.7.
LDG Event type ke. Error ellipse: s-maj=37.3km s-min=14.3km az=13.0.

ISC	**XI**	**05 17 43 20.7–.33**	**38.79N–.04**	**14.76E–.04**	**275–3**	**3.4b**	**203**	**0-49**
ROM	XI	05 17 43 18.7–.35	38.70N	14.94E	289–5	3.6L		¶13399340
ISCJB	XI	05 17 43 19.7–.33	38.78N–.04	14.79E–.04	282–3	3.4b		
CSEM	XI	05 17 43 20.6–.17	39.05N	14.71E	273–2	4.0b		
NEIC	XI	05 17 43 20.3–.65	38.87N	14.82E	285–7	4.0b		
IDC	XI	05 17 43 21.5–1.6	39.02N	14.55E	295–21	3.0b,3.0		

ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=6.2km s-min=3.3km az=124.0.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=5.5km az=170.2.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=6.0km az=94.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=9.2km az=182.0.
IDC Error ellipse: s-maj=17.4km s-min=12.2km az=115.0.

ROM	**XI**	**18 21 07 27.3–.10**	**37.91N**	**14.74E**	**33–1**	**3.5L**		
CSEM	XI	18 21 07 27.3	37.91N	14.74E	33	3.5L		¶13899310

ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=98.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC	**XI**	**28 23 39 23.3–.24**	**37.65N–.02**	**13.83E–.02**	**36–5**	**3.8b,3.2s**	**209**	**0-67**
CSEM	XI	28 23 39 20.9–.16	37.63N	13.83E	10	4.2L,3.2s		¶11490810
ISCJB	XI	28 23 39 22.0–.24	37.65N–.03	13.80E–.03	50–4	3.8b,3.2s		
NEIC	XI	28 23 39 21.0	37.54N	13.69E	35	4.2L,3.2s		
ROM	XI	28 23 39 22.2–.17	37.62N	13.82E	35–2	4.2L,3.2s		
LDG	XI	28 23 39 23.9–.12	37.50N	13.83E	25–0	3.4L,3.2s		
IDC	XI	28 23 39 24.8–2.3	37.68N	13.76E	56–28	3.9L,3.5b		

ISC Event type fe.
CSEM Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=29.0.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=2.8km az=30.8.
NEIC Event type fe. Felt at Palermo and Ragusa. After ROM.
ROM Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=43.0.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=1.7km az=24.0.
IDC Error ellipse: s-maj=21.7km s-min=12.7km az=122.0.

ROM	**XII**	**14 23 58 56.0–.27**	**38.72N**	**14.23E**	**26–2**	**3.5L**		
CSEM	XII	14 23 58 56.0	38.72N	14.23E	26	3.5L		¶13900037

ROM Event type ke. Error ellipse: s-maj=4.8km s-min=2.7km az=167.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.

ISC	**XII**	**16 02 30 15.5–.35**	**37.65N–.02**	**15.13E–.03**	**22–4**	**3.8b**	**295**	**0-49**
IDC	XII	16 02 30 10.6–1.8	37.61N	15.20E	0	3.8b,3.7		¶13900051
PDG	XII	16 02 30 12.9–.60	37.43N	15.03E	72–7	4.0L,3.7		
BEO	XII	16 02 30 13.4–.72	37.65N	15.10E	0–0	4.1L,3.7		
NEIC	XII	16 02 30 14.0	37.66N	14.96E	11	4.0L,3.7		
CSEM	XII	16 02 30 14.9–.14	37.65N	15.08E	20	3.0,3.7		
ROM	XII	16 02 30 14.0–.13	37.66N	14.97E	5–1	3.0,2.9L		
THE	XII	16 02 30 17.8	37.56N	15.37E	22–45	3.0,2.9L		

ISC Event type fe.
IDC Error ellipse: s-maj=27.8km s-min=21.9km az=160.0.
PDG Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=90.0.
NEIC Event type fe. Felt [III] at Biancavilla. Also felt at Belpasso and Siracusa. After ROM.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=110.0.
ROM Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=77.0.
THE Event type ke. Error ellipse: s-maj=54.5km s-min=2.9km az=258.0.

(399) Ionian Sea.

ISC	**VII**	**01 17 17 04.9–.53**	**37.90N–.03**	**20.98E–.03**	**16–3**		**128**	**0-4**
ATH	VII	01 17 17 04.3	37.91N	20.97E	32–1	3.7,3.2L		¶12950824
THE	VII	01 17 17 04.7	37.86N	21.01E	8–2	3.6L,3.2L		
NEIC	VII	01 17 17 04.3	37.91N	20.97E	32	3.2L,3.2L		
CSEM	VII	01 17 17 04.9–.20	37.90N	21.00E	15	3.6L,3.2L		
ISCJB	VII	01 17 17 05.0–.53	37.90N–.03	20.93E–.04	27–4	3.6L,3.2L		

ISC Event type ke.
THE Event type ke.
NEIC Event type se. After ATH.
CSEM Event type ke.
ISCJB Event type ke.

ATH	**VII**	**14 01 06 16.4**	**37.05N**	**20.11E**	**19–1**	**3.5**		
CSEM	VII	14 01 06 16.4	37.05N	20.11E	19	3.5		¶12951296
NEIC	VII	14 01 06 16.4	37.05N	20.11E	19	3.5		

ATH Error ellipse: s-maj=1.6km s-min=2.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
NEIC Event type se. After ATH.

ISC	**VII**	**16 03 39 33.6–.93**	**37.35N–.04**	**20.15E–.03**	**6–5**	**3.6b**	**171**	**1-46**
ISCJB	VII	16 03 39 32.5–.86	37.36N–.03	20.08E–.03	7–5	3.6b		¶11747031
THE	VII	16 03 39 33.9	37.37N	20.22E	0–2	4.3L		
CSEM	VII	16 03 39 33.8–.33	37.35N	20.23E	2	3.7		
ATH	VII	16 03 39 36.2	37.40N	20.46E	21–2	3.7		
NEIC	VII	16 03 39 36.2	37.40N	20.46E	21	3.7		
IDC	VII	16 03 39 38.3–4.0	37.64N	20.69E	33–9	3.6,3.6		
BEO	VII	16 03 39 39.7–1.2	37.80N	20.48E	0–0	3.6L,3.6		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=3.4km az=26.7.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=244.0.
CSEM Event type ke. Error ellipse: s-maj=7.6km s-min=4.0km az=29.0.
ATH Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0.
NEIC Event type se. After ATH.
IDC Error ellipse: s-maj=79.8km s-min=28.4km az=34.0.

ISC	**VII**	**17 00 45 33.6–.69**	**37.62N–.02**	**20.67E–.04**	**1–3**		**152**	**0-6**
ISCJB	VII	17 00 45 32.8–.69	37.58N–.03	20.60E–.04	10			¶12951401
CSEM	VII	17 00 45 33.6–.35	37.63N	20.67E	1–0	3.5L		
THE	VII	17 00 45 34.5	37.64N	20.75E	1–2	3.5L		
ATH	VII	17 00 45 34.6	37.66N	20.71E	13–2	3.7,3.0L		
NEIC	VII	17 00 45 34.6	37.66N	20.71E	13	3.5L,3.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=147.4.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.5km az=58.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=240.0.
ATH Error ellipse: s-maj=1.4km s-min=2.0km az=-1.0.
NEIC Event type se. After ATH.

ISC	**VII**	**20 03 30 25.3–.65**	**37.43N–.03**	**20.36E–.05**	**10**		**165**	**1-6**
CSEM	VII	20 03 30 23.6–.34	37.39N	20.35E	2	3.6L		¶12951526
ISCJB	VII	20 03 30 24.4–.62	37.42N–.03	20.34E–.05	10	3.6L		
ATH	VII	20 03 30 24.4	37.44N	20.41E	15–1	3.7		
NEIC	VII	20 03 30 24.3	37.44N	20.41E	15	3.7		
THE	VII	20 03 30 24.9	37.43N	20.44E	0–2	3.6L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=3.9km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=153.0.
ATH Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.8km az=233.0.

ISC	**VII**	**23 15 13 49.6–.83**	**37.66N–.03**	**20.76E–.05**	**2–6**		**91**	**0-2**
ISCJB	VII	23 15 13 49.5–.66	37.68N–.03	20.76E–.04	10			¶12951604
CSEM	VII	23 15 13 49.0–.36	37.65N	20.79E	1–1	3.4L		
ATH	VII	23 15 13 49.0	37.66N	20.70E	16–1	3.3		
NEIC	VII	23 15 13 49.0	37.66N	20.70E	16	3.3		
THE	VII	23 15 13 50.0	37.70N	20.82E	1–1	3.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.2km az=149.3.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.7km az=55.0.
ATH Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
NEIC Event type se. After ATH.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.3km az=213.0.

ISC	**VII**	**24 04 02 59.3–1.1**	**37.83N–.09**	**20.7E–.10**	**48–15**		**28**	**0-6**
ATH	VII	24 04 02 57.8	37.71N	20.72E	27–3	3.3		¶12951629
CSEM	VII	24 04 02 57.8	37.71N	20.72E	27	3.3		
NEIC	VII	24 04 02 57.8	37.71N	20.72E	27	3.3		
ISCJB	VII	24 04 02 58.8–1.2	37.80N–.09	20.7E–.10	48–14	3.3		

ISC Event type ke.
CSEM Event type ke. After ATH.
NEIC Event type se. After ATH.
ISCJB Event type ke.

ISC	**VII**	**29 03 05 51.1–1.5**	**38.06N–.07**	**19.99E–.07**	**3–6**		**50**	**0-5**
ATH	VII	29 03 05 49.3	37.87N	19.94E	14–2	3.4		¶13390355
ISCJB	VII	29 03 05 50.3–1.1	38.06N–.07	19.90E–.06	10	3.4		
CSEM	VII	29 03 05 51.6–.42	38.06N	20.02E	5	3.1L		
THE	VII	29 03 05 54.7	38.11N	20.21E	4–0	3.1L		

ISC Event type ke.
ATH Error ellipse: s-maj=3.8km s-min=2.6km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=5.8km az=30.3.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.1km az=31.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=43.0.

ISC	**VIII**	**02 14 27 27.9–.62**	**37.45N–.03**	**20.77E–.03**	**2–3**	**3.7b**	**221**	**1-46**
IDC	VIII	02 14 27 25.1–10	37.38N	20.74E	0	3.8,3.7b		¶13390708
ISCJB	VIII	02 14 27 26.9–.61	37.45N–.03	20.73E–.03	3–3	3.7b,3.7b		
ATH	VIII	02 14 27 28.6	37.49N	20.81E	12–1	3.4,3.4L		
CSEM	VIII	02 14 27 28.6–.30	37.49N	20.84E	1–0	3.5L,3.4L		
THE	VIII	02 14 27 28.4	37.47N	20.75E	3–1	3.5L,3.4L		
NEIC	VIII	02 14 27 31.5	37.60N	20.89E	5	3.6L,3.4L		

ISC Event type ke.
IDC Error ellipse: s-maj=205.5km s-min=32.5km az=38.0.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=37.4.
ATH Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=4.0km az=47.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.0km az=237.0.
NEIC Event type se. After ATH.

ISC	**VIII**	**02 17 31 48.9–1.1**	**37.50N–.04**	**20.88E–.08**	**1–8**		**56**	**1-2**
THE	VIII	02 17 31 48.8	37.50N	20.84E	5–0	2.1L		¶12099601
ISCJB	VIII	02 17 31 49.2–1.1	37.53N–.05	20.85E–.10	9–8	2.1L		
ATH	VIII	02 17 31 49.9	37.59N	20.85E	20–2	3.2		
NEIC	VIII	02 17 31 49.9	37.59N	20.85E	20	3.2		
CSEM	VIII	02 17 31 49.0–.58	37.52N	20.90E	2	2.1L		

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=14.2km s-min=5.4km az=156.0.
ATH Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=14.7km s-min=5.0km az=58.0.

ATH	**VIII**	**07 14 14 54.7**	**37.59N**	**21.00E**	**14–2**	**3.5**		
NEIC	VIII	07 14 14 54.7	37.59N	21.00E	14	3.5		¶12099754
CSEM	VIII	07 14 14 54.7	37.59N	21.00E	14	3.5		

ATH Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

ISC	**VIII**	**13 13 39 30.6–.40**	**37.55N–.03**	**16.38E–.04**	**62–10**		**113**	**0-5**
CSEM	VIII	13 13 39 27.7–.54	37.44N	16.36E	40	4.1L		¶13657529
ISCJB	VIII	13 13 39 29.4–.39	37.53N–.04	16.42E–.04	65–9	4.1L		
ROM	VIII	13 13 39 30.1–.11	37.48N	16.42E	39–0	3.1L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=4.6km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=140.6.
ROM Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=123.0.

ISC	**VIII**	**15 21 46 53.9–1.1**	**37.57N–.05**	**20.87E–.05**	**2–6**		**49**	**1-2**
ISCJB	VIII	15 21 46 54.2–.97	37.61N–.04	20.92E–.05	1–6			¶13391825
THE	VIII	15 21 46 54.6	37.62N	20.89E	0–4	1.9L		
CSEM	VIII	15 21 46 54.6–.54	37.63N	20.92E	5	3.3		
ATH	VIII	15 21 46 56.4	37.75N	21.05E	25–4	3.3		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.7km s-min=5.1km az=137.5.							
THE	Event type ke. Error ellipse: s-maj=6.3km s-min=1.5km az=210.0.							
CSEM	Event type ke. Error ellipse: s-maj=10.9km s-min=6.0km az=47.0.							
ATH	Error ellipse: s-maj=2.0km s-min=3.9km az=-1.0.							
ISC	**VIII**	**17 01 19 55.7–.85**	**37.43N–.03**	**20.88E–.05**	**5–5**		**89**	**1-4**
ISCJB	VIII	17 01 19 56.0–.75	37.46N–.03	20.92E–.05	10			¶12099996
NEIC	VIII	17 01 19 56.5	37.50N	20.93E	7	3.5		
ATH	VIII	17 01 19 56.5	37.50N	20.93E	7–2	3.5		
CSEM	VIII	17 01 19 56.6–.41	37.46N	20.92E	0–0	2.1L		
THE	VIII	17 01 19 56.7	37.46N	20.90E	0–2	2.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=5.9km s-min=3.9km az=144.9.							
NEIC	Event type se. After ATH.							
ATH	Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=7.9km s-min=4.3km az=56.0.							
THE	Event type ke. Error ellipse: s-maj=3.1km s-min=1.1km az=220.0.							
ISC	**VIII**	**19 17 15 22.8–.57**	**37.53N–.02**	**20.82E–.03**	**9–3**	**3.5b**	**205**	**1-70**
IDC	VIII	19 17 15 20.0–1.2	37.64N	21.02E	0	3.7,3.6b		¶11908443
ISCJB	VIII	19 17 15 21.9–.56	37.53N–.02	20.78E–.03	9–3	3.5b,3.6b		
CSEM	VIII	19 17 15 23.3–.25	37.54N	20.85E	10	3.3L,3.6b		
ATH	VIII	19 17 15 23.5	37.61N	20.90E	17–1	3.5,3.3L		
NEIC	VIII	19 17 15 23.5	37.61N	20.90E	17	3.3L,3.3L		
THE	VIII	19 17 15 23.1	37.55N	20.88E	0–2	3.3L,3.3L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=25.3km s-min=24.4km az=110.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=32.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=34.0.							
ATH	Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.							
NEIC	Event type se. After ATH.							
THE	Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=226.0.							
ISC	**VIII**	**20 21 06 43.4–1.8**	**37.93N–.05**	**20.07E–.10**	**7–9**		**45**	**0-3**
CSEM	VIII	20 21 06 43.1–.88	37.92N	20.08E	2	3.7		¶12100106
NEIC	VIII	20 21 06 44.4	37.96N	20.16E	5	3.7		
ATH	VIII	20 21 06 44.4	37.96N	20.16E	5–3	3.7		
THE	VIII	20 21 06 45.0	37.96N	20.15E	4–32	2.3L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=14.4km s-min=7.3km az=83.0.							
NEIC	Event type se. After ATH.							
ATH	Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=32.7km s-min=2.0km az=80.0.							
ISC	**VIII**	**26 12 30 58.9–1.0**	**37.33N–.04**	**20.85E–.05**	**4–6**		**98**	**1-4**
NEIC	VIII	26 12 30 59.0	37.35N	20.88E	10	3.6		¶12100254
ISCJB	VIII	26 12 30 59.7–.72	37.37N–.03	20.91E–.04	10	3.6		
THE	VIII	26 12 30 59.2	37.35N	20.84E	5–0	2.9L		
ATH	VIII	26 12 30 59.0	37.35N	20.88E	10–2	3.6		
CSEM	VIII	26 12 30 59.4–.44	37.34N	20.89E	2	3.6		
NAO	VIII	26 12 39 17.4–3.0	59.37N	27.39E		2.1L		
ISC	Event type ke.							
NEIC	Event type se. After ATH.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=3.4km az=141.0.							
THE	Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=221.0.							
ATH	Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0.							
CSEM	Error ellipse: s-maj=8.5km s-min=4.5km az=47.0.							
NAO	Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.							
ISC	**IX**	**05 17 01 18.8–.65**	**38.85N–.03**	**19.87E–.04**	**14–5**		**116**	**1-7**
CSEM	IX	05 17 01 16.3–.19	38.78N	19.54E	20	2.7L		¶12951909
ISCJB	IX	05 17 01 17.9–.63	38.84N–.03	19.85E–.03	13–5	2.7L		
THE	IX	05 17 01 19.8	38.86N	19.98E	9–1	2.7L		
ATH	IX	05 17 01 19.0	38.89N	20.05E	23–1	3.4,3.1L		
ROM	IX	05 17 01 20.4–.75	38.92N	19.62E	10–0	3.0,2.7L		
NEIC	IX	05 17 01 20.0	38.87N	19.86E	17	2.8L,2.7L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=32.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=36.5.							
THE	Event type ke. Error ellipse: s-maj=3.0km s-min=0.7km az=256.0.							
ATH	Error ellipse: s-maj=0.9km s-min=1.6km az=-1.0.							
ROM	Event type ke. Error ellipse: s-maj=13.1km s-min=3.0km az=126.0.							
NEIC	Event type se. After ATH.							
ISC	**IX**	**07 22 47 02.0–1.5**	**38.09N–.05**	**19.84E–.07**	**5–6**		**54**	**1-5**
ATH	IX	07 22 46 58.9	38.00N	19.76E	5–1	3.2		¶13393727
CSEM	IX	07 22 47 01.9–.47	38.11N	19.86E	2	2.4L		
ISCJB	IX	07 22 47 02.7–.96	38.13N–.04	19.89E–.06	10	2.4L		
THE	IX	07 22 47 03.5	38.17N	19.97E	1–4	2.4L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9.9km s-min=5.4km az=50.0.							
ISCJB	Event type ke. Error ellipse: s-maj=8.4km s-min=4.2km az=137.8.							
THE	Event type ke. Error ellipse: s-maj=9.9km s-min=1.4km az=214.0.							
ISC	**IX**	**12 20 15 52.4–.75**	**37.84N–.03**	**20.86E–.05**	**5–7**		**44**	**0-2**
ATH	IX	12 20 15 51.9	37.85N	20.84E	5–1	3.1		¶13394207
ISCJB	IX	12 20 15 52.3–.70	37.86N–.03	20.85E–.05	10	3.1		
CSEM	IX	12 20 15 53.3–.59	37.88N	20.91E	2	3.1		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.7km s-min=3.8km az=153.7.							
CSEM	Event type ke. Error ellipse: s-maj=13.9km s-min=8.6km az=61.0.							
ISC	**IX**	**14 04 51 34.2–1.2**	**37.78N–.05**	**20.30E–.06**	**2–5**		**75**	**0-5**
ISCJB	IX	14 04 51 33.8–1.1	37.80N–.04	20.30E–.05	2–6			¶13394320
ATH	IX	14 04 51 33.0	37.75N	20.26E	17–2	3.1		
CSEM	IX	14 04 51 34.1–.50	37.78N	20.30E	2	2.3L		
THE	IX	14 04 51 36.4	37.87N	20.38E	5–1	2.3L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.3km s-min=6.3km az=43.1.							
ATH	Error ellipse: s-maj=1.8km s-min=5.4km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9.2km s-min=6.9km az=51.0.							
THE	Event type ke. Error ellipse: s-maj=2.1km s-min=1.3km az=235.0.							
ISC	**IX**	**16 23 11 05.9–.62**	**37.86N–.03**	**20.94E–.03**	**3–4**		**131**	**0-6**
ISCJB	IX	16 23 11 05.6–.56	37.83N–.03	20.95E–.03	10			¶12952054
THE	IX	16 23 11 05.3	37.81N	20.96E	5–1	3.0L		
NEIC	IX	16 23 11 06.3	37.91N	20.94E	4	3.0L,2.7		
CSEM	IX	16 23 11 06.8–.31	37.91N	20.97E	2	3.0L,2.7		
ATH	IX	16 23 11 06.3	37.91N	20.94E	4–0	2.7L,2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=2.5km az=37.7.							
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=30.0.							
NEIC	Event type se. After ATH.							
CSEM	Event type ke. Error ellipse: s-maj=6.0km s-min=3.9km az=36.0.							
ATH	Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.							
ISC	**IX**	**19 23 14 32.7–1.3**	**38.96N–.03**	**19.71E–.09**	**8–5**		**65**	**1-4**
ATH	IX	19 23 14 30.9	39.00N	19.64E	18–1	3.6		¶13394743
CSEM	IX	19 23 14 32.7–.43	38.95N	19.72E	10	1.9L		
THE	IX	19 23 14 34.3	38.94N	19.83E	12–1	1.9L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9.0km s-min=3.9km az=88.0.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=82.0.							
ISC	**IX**	**21 15 51 51.0–.48**	**37.39N–.02**	**20.46E–.02**	**5–2**	**4.2b**	**418**	**1-80**
ATH	IX	21 15 51 48.3	37.34N	20.28E	12–3	4.0L,3.7		¶13394883
ISCJB	IX	21 15 51 49.8–.48	37.41N–.02	20.39E–.02	9–2	4.2b,3.7		
IDC	IX	21 15 51 49.3–.77	37.54N	20.73E	0	3.8b,3.8L		
CSEM	IX	21 15 51 50.9–.15	37.40N	20.49E	2	4.2b,3.8L		
NEIC	IX	21 15 51 51.2–.53	37.29N	20.61E	10	4.1L,3.9L		
HLW	IX	21 15 51 51.1	37.68N	20.84E	50–28	4.1L,3.9L		
THE	IX	21 15 51 52.1	37.45N	20.53E	2–1	3.9L,3.9L		
PDG	IX	21 15 51 52.7–.49	37.49N	20.58E	11–1	3.9L,3.9L		
BEO	IX	21 15 51 58.5–1.0	37.92N	20.49E	0–0	3.8L,3.9L		
TIR	IX	21 15 52 04.1	38.76N	18.38E	19	3.7L,3.9L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=2.5km s-min=4.8km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=29.5.							
IDC	Error ellipse: s-maj=18.6km s-min=14.3km az=153.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=41.0.							
NEIC	Event type se. Error ellipse: s-maj=7.2km s-min=6.1km az=203.0.							
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=242.0.							
PDG	Event type ke. Error ellipse: s-maj=1.6km s-min=1.8km az=0.0.							
ISC	**IX**	**27 22 10 14.4–1.3**	**37.95N–.03**	**20.20E–.07**	**1–6**		**61**	**0-2**
ATH	IX	27 22 10 14.2	38.00N	20.24E	5–3	3.6		¶13395351
ISCJB	IX	27 22 10 15.8–.90	37.97N–.03	20.27E–.06	10	3.6		
CSEM	IX	27 22 10 15.5–.61	37.97N	20.30E	2	3.6		
THE	IX	27 22 10 15.0	37.99N	20.24E	0–3	2.2L		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.2km s-min=4.3km az=163.7.							
CSEM	Event type ke. Error ellipse: s-maj=11.5km s-min=6.2km az=72.0.							
THE	Event type ke. Error ellipse: s-maj=3.4km s-min=1.5km az=188.0.							
ISC	**X**	**02 16 34 38.0–1.5**	**37.97N–.06**	**20.14E–.07**	**5–6**		**40**	**0-2**
ISCJB	X	02 16 34 37.9–1.1	37.94N–.05	20.14E–.06	10			¶13395801
CSEM	X	02 16 34 37.3–.43	37.96N	20.11E	1–2	2.2L		
ATH	X	02 16 34 37.1	38.07N	20.08E	19–1	3.1		
THE	X	02 16 34 39.5	38.05N	20.21E	3–0	2.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=8.3km s-min=5.9km az=40.1.							
CSEM	Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=36.0.							
ATH	Error ellipse: s-maj=1.6km s-min=1.2km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=39.0.							
ISC	**X**	**07 16 21 34.9–.54**	**37.09N–.02**	**20.86E–.02**	**5–3**	**3.8b**	**268**	**1-122**
ISCJB	X	07 16 21 33.2–.70	37.06N–.03	20.81E–.02	3–5	3.8b		¶13396324
IDC	X	07 16 21 33.1–.85	37.19N	21.06E	0	3.9b,3.8		
NEIC	X	07 16 21 34.2–.39	37.10N	21.07E	10	3.8b,3.8		
CSEM	X	07 16 21 34.9–.18	37.11N	20.85E	2	3.8L,3.8		
ATH	X	07 16 21 34.0	37.10N	20.79E	10–1	3.7L,3.8		
THE	X	07 16 21 35.9	37.15N	20.91E	0–2	3.8L,3.8		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=8.9.							
IDC	Error ellipse: s-maj=17.2km s-min=15.0km az=1.0.							
NEIC	Event type se. Error ellipse: s-maj=7.6km s-min=4.3km az=177.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=6.0.							
ATH	Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=226.0.							
ISC	**X**	**08 01 37 39.5–1.2**	**37.43N–.04**	**20.35E–.10**	**0**		**55**	**1-2**
ATH	X	08 01 37 37.8	37.43N	20.28E	7–3	3.8		¶13396355
CSEM	X	08 01 37 40.1–.84	37.46N	20.40E	1–0	3.8		
THE	X	08 01 37 41.4	37.52N	20.42E	0–8	3.8		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=16.1km s-min=7.3km az=66.0.							
THE	Event type ke. Error ellipse: s-maj=9.3km s-min=2.1km az=238.0.							
ATH	**X**	**23 05 07 41.1**	**37.89N**	**20.44E**	**17–1**	**2.7**		
CSEM	X	23 05 07 41.1	37.89N	20.44E	17	2.7		¶13397860
ATH	Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ATH	**X**	**26 13 46 55.0**	**37.09N**	**20.80E**	**17–1**	**3.5**		
CSEM	X	26 13 46 55.0	37.09N	20.80E	17	3.5		¶13398124
ATH	Error ellipse: s-maj=1.7km s-min=2.1km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ATH	**X**	**30 13 56 17.6**	**37.15N**	**20.71E**	**9–3**	**3.5**		
CSEM	X	30 13 56 17.6	37.15N	20.71E	9	3.5		¶13398646
ATH	Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.							
ISC	**XI**	**01 21 21 42.0–1.2**	**37.34N–.04**	**20.80E–.07**	**1–6**		**46**	**1-2**
ATH	XI	01 21 21 40.3	37.36N	20.72E	7–4	3.7		¶13398950
ISCJB	XI	01 21 21 41.8–1.0	37.35N–.04	20.79E–.07	10	3.7		
CSEM	XI	01 21 21 42.3–.61	37.37N	20.88E	2	3.7		
THE	XI	01 21 21 42.7	37.38N	20.88E	0–4	3.7		
ISC	Event type ke.							
ATH	Error ellipse: s-maj=2.1km s-min=3.2km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=9.1km s-min=3.8km az=144.7.							
CSEM	Event type ke. Error ellipse: s-maj=13.0km s-min=5.1km az=56.0.							
THE	Event type ke. Error ellipse: s-maj=4.8km s-min=1.5km az=200.0.							
ISC	**XI**	**02 06 46 44.3–.26**	**37.68N–.02**	**16.49E–.02**	**37–8**	**3.7b**	**230**	**0-48**
THE	XI	02 06 46 33.0	37.61N	15.71E	7–39	3.7b		¶11749891
NEIC	XI	02 06 46 43.0	37.66N	16.48E	36	3.4		
CSEM	XI	02 06 46 43.7–.14	37.70N	16.49E	30	4.3L		
ROM	XI	02 06 46 43.6–.29	37.64N	16.49E	37–2	3.4L		
IDC	XI	02 06 46 47.0–3.4	37.79N	16.27E	56–36	3.5L,3.4b		
BEO	XI	02 06 46 47.0–.85	38.16N	16.65E	0–0	3.7L,3.4b		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=39.9km s-min=3.2km az=260.0.							
NEIC	Event type se. After ROM.							
CSEM	Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=164.0.							
ROM	Event type ke. Error ellipse: s-maj=3.7km s-min=1.9km az=131.0.							
IDC	Error ellipse: s-maj=44.0km s-min=19.0km az=142.0.							
ISC	**XI**	**07 14 17 05.5–1.2**	**37.48N–.04**	**20.35E–.07**	**10**		**43**	**1-2**
CSEM	XI	07 14 17 05.5–.70	37.50N	20.27E	1–0	3.6		¶13399510
ATH	XI	07 14 17 05.9	37.55N	20.42E	7–2	3.6		
THE	XI	07 14 17 07.1	37.53N	20.35E	0–2	3.0L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=14.5km s-min=6.6km az=76.0.							
ATH	Error ellipse: s-maj=2.0km s-min=3.5km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=4.6km s-min=0.9km az=256.0.							
ISC	**XI**	**12 10 39 08.0–.22**	**37.00N–.02**	**16.68E–.02**	**10**	**3.7b**	**354**	**1-49**
ISCJB	XI	12 10 39 06.4–.23	36.98N–.02	16.76E–.02	10	3.7b		¶11490426
IDC	XI	12 10 39 06.0–1.2	36.91N	16.83E	0	3.9,3.8b		
CSEM	XI	12 10 39 10.7–.13	37.00N	16.67E	40	4.2L,3.8b		
NEIC	XI	12 10 39 10.0	37.01N	16.45E	13	3.8L,3.8b		
PDG	XI	12 10 39 10.2–.17	37.49N	16.33E	11–11	4.3L,3.8b		
ROM	XI	12 10 39 11.5–.10	37.00N	16.48E	38–0	3.9L,3.8b		
HLW	XI	12 10 39 11.9	37.43N	17.86E	33–21	4.0,3.9L		
THE	XI	12 10 39 13.6	37.24N	16.96E	20–23	4.2L,3.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=2.2.							
IDC	Error ellipse: s-maj=24.9km s-min=18.8km az=129.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=176.0.							
NEIC	Event type se. After ROM.							
PDG	Event type ke. Error ellipse: s-maj=147.3km s-min=79.9km az=90.0.							
ROM	Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=61.0.							
THE	Event type ke. Error ellipse: s-maj=28.4km s-min=2.7km az=247.0.							
ISC	**XI**	**30 11 23 49.1–1.8**	**37.68N–.07**	**19.68E–.08**	**1–10**		**56**	**1-3**
CSEM	XI	30 11 23 49.8–.56	37.70N	19.73E	2	2.7L		¶13401550
ATH	XI	30 11 23 49.2	37.55N	19.83E	9–9	3.5		
THE	XI	30 11 23 50.6	37.77N	19.71E	0–8	2.7L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=11.2km s-min=6.6km az=65.0.							
ATH	Error ellipse: s-maj=5.9km s-min=6.9km az=-1.0.							
THE	Event type ke. Error ellipse: s-maj=8.8km s-min=2.7km az=250.0.							
THE	**XI**	**30 12 58 30.7**	**37.69N**	**20.77E**	**9–3**	**2.2L**		
CSEM	XI	30 12 58 30.6–.56	37.68N	20.83E	2	2.2L		¶13401558
ATH	XI	30 12 58 30.3	37.68N	20.74E	15–2	3.3		
THE	Event type ke. Error ellipse: s-maj=5.1km s-min=1.3km az=240.0.							
CSEM	Event type ke. Error ellipse: s-maj=12.9km s-min=5.5km az=64.0.							
ATH	Error ellipse: s-maj=1.9km s-min=2.7km az=-1.0.							
ISC	**XII**	**07 09 55 00.4–.45**	**37.46N–.02**	**20.79E–.02**	**7–2**	**4.4s,4.3b**	**603**	**1-82**
BJI	XII	07 09 54 56.9	38.12N	20.35E	10	4.8b,4.7s		¶13402139
IDC	XII	07 09 54 59.2–.73	37.51N	21.06E	0	4.0b,4.0		
CSEM	XII	07 09 55 00.5–.17	37.50N	20.80E	2	4.3s,4.1b		
NEIC	XII	07 09 55 01.1	37.53N	20.86E	14	4.5b,4.3s		

PDG XII 07 09 55 01.9–.57 37.59N 20.83E 9–1 4.1L,4.3s
THE XII 07 09 55 01.4 37.50N 20.87E 0–1 4.0L,4.3s
ATH XII 07 09 55 01.2 37.53N 20.86E 13–0 4.0L,3.5
MOS XII 07 09 55 02.9–1.2 37.58N 21.04E 33 4.4b,3.5
BEO XII 07 09 55 17.7–5.6 38.81N 20.86E 0–0 3.8L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=17.4km s-min=13.5km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=33.0.
NEIC Event type se. After ATH.
PDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=231.0.
ATH Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.
MOS Error ellipse: s-maj=9.8km s-min=4.2km az=88.3.
ISC XII 10 17 43 41.6–.67 37.92N–.02 20.09E–.03 6–3 3.6b 219 0-61
ATH XII 10 17 43 40.9 37.93N 20.09E 7–1 3.5,3.4L **¶11751651**
CSEM XII 10 17 43 42.7–.27 38.00N 20.14E 2 3.5L,3.4L
BEO XII 10 17 43 43.8–1.2 38.07N 20.12E 0–0 3.6L,3.4L
THE XII 10 17 43 43.8 37.96N 20.19E 0–2 3.5L,3.4L
NEIC XII 10 17 43 46.5–.82 38.00N 20.31E 35 3.5L,3.4L
IDC XII 10 17 43 50.7–4.3 38.15N 20.19E 73–41 3.4b,3.4
ISC Event type ke.
ATH Error ellipse: s-maj=0.8km s-min=1.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=3.7km az=41.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=227.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=13.4km az=173.0.
IDC Error ellipse: s-maj=31.8km s-min=21.2km az=126.0.
ISC XII 18 01 10 57.2–.91 37.74N–.06 16.2E–.10 49–13 52 0-3
CSEM XII 18 01 10 54.8–.50 37.68N 16.15E 50 3.9L **¶13900087**
ISCJB XII 18 01 10 57.2–.94 37.74N–.06 16.2E–.10 49–11 3.9L
ROM XII 18 01 10 57.1–.15 37.75N 16.14E 47–2 3.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=3.9km az=120.0.
ISCJB Event type ke. Error ellipse: s-maj=16.8km s-min=5.1km az=33.4.
ROM Event type ke. Error ellipse: s-maj=3.4km s-min=1.5km az=128.0.
ATH XII 31 08 41 27.2 37.33N 20.50E 11–1 3.5
CSEM XII 31 08 41 27.2 37.33N 20.49E 11 3.5 **¶13404466**
ATH Error ellipse: s-maj=0.7km s-min=1.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.

(400) Central Mediterranean Sea.

ISC VII 02 09 17 51.2–1.4 36.20N–.03 12.73E–.04 5–9 3.7b,3.1s 119 1-73
ROM VII 02 09 17 50.2–.55 36.15N 12.67E 10–0 4.0L,3.1s **¶13379162**
CSEM VII 02 09 17 51.8–.17 36.22N 12.71E 10 3.7L,3.1s
NEIC VII 02 09 17 51.6–1.1 36.25N 12.75E 10 3.9L,3.1s
IDC VII 02 09 17 51.6–1.6 36.41N 12.56E 0 3.7,3.7b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=8.8km s-min=3.4km az=38.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=120.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=10.3km az=166.0.
IDC Error ellipse: s-maj=40.2km s-min=14.9km az=156.0.
ATH VII 03 13 44 46.0 35.77N 22.21E 4–4 3.5
CSEM VII 03 13 44 46.0 35.77N 22.21E 4 3.5 **¶12950979**
NEIC VII 03 13 44 46.0 35.77N 22.21E 4 3.5
ATH Error ellipse: s-maj=2.0km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
NEIC Event type se. After ATH.
ISC VII 07 16 49 15.2–1.3 35.99N–.05 21.83E–.08 10 55 1-3
CSEM VII 07 16 49 14.4–.89 35.98N 21.83E 2 3.5L **¶12951083**
NEIC VII 07 16 49 16.1 36.03N 21.91E 2 3.5
ATH VII 07 16 49 16.1 36.03N 21.91E 2 3.5
THE VII 07 16 49 16.2 36.05N 21.76E 0–10 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.5km s-min=7.6km az=47.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.5km s-min=1.6km az=-1.0.
THE Event type ke. Error ellipse: s-maj=21.1km s-min=2.4km az=248.0.
ISC VII 10 09 19 18.6–1.0 35.87N–.03 21.60E–.04 17–6 3.9b 169 1-80
NEIC VII 10 09 19 15.5 35.81N 21.57E 10 3.4L **¶11811162**
ATH VII 10 09 19 15.5 35.81N 21.57E 10–4 3.9,3.4L
CSEM VII 10 09 19 17.2–.21 35.87N 21.58E 2 4.1L,3.4L
THE VII 10 09 19 20.5 36.03N 21.88E 1–4 4.1L,3.4L
IDC VII 10 09 19 24.6–3.7 36.03N 21.73E 78–37 3.6b,3.6
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=4.1km s-min=4.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.7km az=144.0.
THE Event type ke. Error ellipse: s-maj=7.7km s-min=2.3km az=236.0.
IDC Error ellipse: s-maj=25.5km s-min=14.4km az=140.0.
ATH VII 15 13 59 49.8 35.35N 22.48E 37–1 3.6
NEIC VII 15 13 59 49.8 35.35N 22.48E 37 3.6 **¶12951321**
CSEM VII 15 13 59 49.8 35.35N 22.48E 37 3.6
ATH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH VII 18 21 48 40.0 35.49N 22.76E 29–3 2.8
CSEM VII 18 21 48 40.0 35.49N 22.76E 29 2.8 **¶13389530**
ATH Error ellipse: s-maj=3.9km s-min=4.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VII 20 11 08 30.8–.28 35.54N–.02 22.11E–.02 44–3 4.3b,3.8s 570 1-121
IDC VII 20 11 08 25.5–.60 35.65N 22.35E 0 4.2,4.1b **¶13389646**
NEIC VII 20 11 08 27.5–.41 35.56N 22.08E 10 4.3b,4.1b
MOS VII 20 11 08 28.2–1.2 35.59N 22.10E 33 4.4b,4.1b
BJI VII 20 11 08 28.3 35.96N 21.91E 35 4.9b,4.5s
THE VII 20 11 08 28.4 35.52N 22.15E 142–2 4.8L,4.5s
PDG VII 20 11 08 28.2–.20 35.61N 21.21E 11–11 4.4,4.3L
ISCJB VII 20 11 08 29.2–.31 35.56N–.02 22.09E–.02 48–3 4.3b,3.8s
CSEM VII 20 11 08 30.7–.17 35.55N 22.07E 52–2 4.3b,3.1s
ISC Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=13.1km az=27.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=200.0.
MOS Error ellipse: s-maj=5.6km s-min=3.1km az=96.4.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=357.0.
PDG Event type ke. Error ellipse: s-maj=233.1km s-min=61.1km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=22.4.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=33.0.
ISC VII 28 17 37 09.7–.49 35.43N–.04 22.65E–.04 61–4 4.1b 359 1-120
IDC VII 28 17 37 02.7–1.2 35.47N 22.79E 0 4.1,4.0 **¶13390325**
MOS VII 28 17 37 05.5–1.4 35.35N 22.59E 33 4.2b,4.0
NEIC VII 28 17 37 07.6 35.44N 22.66E 29 4.1b,4.0L
ATH VII 28 17 37 07.6 35.44N 22.66E 29–1 3.6L,4.0L
THE VII 28 17 37 08.9 35.38N 22.66E 80–3 4.6L,4.0L
CSEM VII 28 17 37 08.1–.34 35.29N 22.62E 53–2 3.9b,4.0L
ISCJB VII 28 17 37 09.0–.51 35.49N–.04 22.67E–.04 72–3 4.0b,4.0L
ISC Event type ke.
NEIC Event type se. After ATH.
THE Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
ISC VIII 02 05 23 49.9–1.9 35.73N–.07 22.02E–.07 6–10 80 1-8
ATH VIII 02 05 23 49.1 35.73N 21.98E 19–3 3.5 **¶12099590**
NEIC VIII 02 05 23 49.1 35.73N 21.98E 19 3.5
CSEM VIII 02 05 23 49.7–.48 35.77N 22.06E 2 3.5
THE VIII 02 05 23 52.8 35.95N 22.26E 11–4 3.5
ISC Event type ke.
ATH Error ellipse: s-maj=2.7km s-min=4.0km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=5.9km az=39.0.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.9km az=36.0.
ISC VIII 02 05 58 47.6–2.1 35.3N–.10 21.5E–.10 10 41 2-11
ATH VIII 02 05 58 45.3 35.40N 21.30E 6 3.2 **¶12099591**
NEIC VIII 02 05 58 45.3 35.40N 21.30E 6 3.2
CSEM VIII 02 05 58 50.2–.74 35.60N 21.56E 2 3.2
ISC Event type ke.
ATH Error ellipse: s-maj=16.5km s-min=18.1km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=16.8km s-min=9.6km az=28.0.
ISC VIII 08 14 06 33.4–.82 35.92N–.04 22.24E–.05 10 91 1-5
NEIC VIII 08 14 06 32.0 35.90N 22.28E 5 3.3L **¶12099796**
ATH VIII 08 14 06 32.0 35.90N 22.28E 5–2 3.7,3.3L
ISCJB VIII 08 14 06 33.5–.84 35.93N–.04 22.29E–.05 10 3.7,3.3L
THE VIII 08 14 06 33.8 35.99N 22.24E 1–1 3.3L,3.3L
CSEM VIII 08 14 06 35.0–.67 35.97N 22.38E 2 3.7,3.3L
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.4km s-min=3.9km az=38.5.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=224.0.
CSEM Event type ke. Error ellipse: s-maj=14.8km s-min=7.6km az=34.0.
ATH VIII 10 05 22 18.3 35.76N 21.92E 16–4 3.5
NEIC VIII 10 05 22 18.3 35.76N 21.92E 16 3.5 **¶12099832**
CSEM VIII 10 05 22 18.3 35.76N 21.92E 16 3.5
ATH Error ellipse: s-maj=6.2km s-min=6.2km az=-1.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VIII 10 22 54 02.0–.55 35.88N–.02 23.00E–.03 6–3 3.9b 349 0-76
IDC VIII 10 22 54 01.4–.88 36.19N 23.11E 0 4.1,4.0b **¶11308527**
NEIC VIII 10 22 54 02.2 35.98N 23.14E 17 3.9b,3.9L
ATH VIII 10 22 54 02.2 35.97N 23.14E 17–2 3.9,3.9L
CSEM VIII 10 22 54 04.9–.19 35.82N 22.97E 40 4.0b,3.9L
MOS VIII 10 22 54 04.6–1.5 35.98N 23.12E 33 4.3b,3.9L
HLW VIII 10 22 54 10.4 35.68N 23.64E 34–22 3.4L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=14.6km az=155.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=3.2km s-min=2.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=40.0.
MOS Error ellipse: s-maj=7.4km s-min=3.8km az=94.6.
ISC VIII 11 22 37 40.1–.95 34.68N–.05 22.01E–.06 10 93 2-6
THE VIII 11 22 37 41.5 34.63N 21.97E 72–20 3.1L **¶12099877**
NEIC VIII 11 22 37 58.8 35.90N 23.62E 30 3.4
ATH VIII 11 22 37 58.8 35.90N 23.62E 30–1 3.4
CSEM VIII 11 22 37 58.8 35.90N 23.62E 30 3.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=20.1km s-min=1.5km az=78.0.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC VIII 28 11 24 07.9–.54 35.92N–.04 21.63E–.04 53–7 3.7b 247 1-47
NEIC VIII 28 11 24 04.9 35.86N 21.58E 33 3.4L **¶11255504**
ATH VIII 28 11 24 04.9 35.86N 21.58E 33–2 3.7,3.4L
ISCJB VIII 28 11 24 06.6–.54 35.93N–.04 21.62E–.04 72–6 3.6b,3.4L
CSEM VIII 28 11 24 07.4–.35 35.90N 21.57E 40 3.4L,3.4L
IDC VIII 28 11 24 08.8–3.6 35.93N 21.68E 58–33 3.9L,3.7
THE VIII 28 11 24 09.4 36.03N 21.82E 42–24 3.4L,3.7
PDG VIII 28 11 24 10.0–.34 36.38N 20.84E 12–11 4.0L,3.7
ISC Event type ke.
NEIC Event type se. After ATH.
ATH Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=4.0km az=40.3.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=4.4km az=38.0.
IDC Error ellipse: s-maj=59.7km s-min=18.9km az=7.0.
THE Event type ke. Error ellipse: s-maj=24.1km s-min=2.0km az=59.0.
PDG Event type ke. Error ellipse: s-maj=359.1km s-min=90.3km az=90.0.
ISC IX 05 19 58 37.9–.00 35.18N–.03 21.30E–.04 26–8 4.1b 289 2-80
ATH IX 05 19 58 35.2 35.22N 21.34E 17–2 3.4L **¶11909549**
IDC IX 05 19 58 35.8–2.6 35.36N 21.60E 0 3.9b,3.9
NEIC IX 05 19 58 38.7 35.24N 21.37E 22 4.0b,3.9L
CSEM IX 05 19 58 39.3–.23 35.20N 21.33E 40 3.9b,3.9L
THE IX 05 19 58 40.4 35.30N 21.44E 68–18 3.4L,3.9L
HLW IX 05 19 58 41.1 35.41N 22.44E 13–23 3.8,3.3L
ISC Event type ke.
ATH Error ellipse: s-maj=1.5km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=54.5km s-min=20.6km az=24.0.
NEIC Event type se. After ATH.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=3.4km az=47.0.
THE Event type ke. Error ellipse: s-maj=18.3km s-min=1.7km az=46.0.
ISC IX 06 00 48 02.6–.65 35.35N–.04 21.50E–.06 98–16 170 2-8
ATH IX 06 00 47 57.9 35.24N 21.42E 17–8 3.7 **¶12951928**
NEIC IX 06 00 47 57.9 35.24N 21.42E 17 3.7
ISCJB IX 06 00 48 02.0–.71 35.41N–.04 21.54E–.07 115–9 3.7
CSEM IX 06 00 48 01.3–.25 35.25N 21.38E 80 3.0L
THE IX 06 00 48 02.8 35.45N 21.66E 119–8 3.0L
ISC Event type ke.
ATH Error ellipse: s-maj=4.9km s-min=5.9km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=5.2km az=145.9.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=4.3km az=70.0.
THE Event type ke. Error ellipse: s-maj=9.1km s-min=2.0km az=59.0.
ATH IX 10 00 42 46.4 35.84N 21.51E 20–1 3.2
CSEM IX 10 00 42 48.9 35.96N 21.53E 68 3.2 **¶13393940**
ATH Error ellipse: s-maj=1.1km s-min=1.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IX 14 02 29 16.8–1.1 35.81N–.03 21.47E–.04 15–7 3.6b 176 1-47
ATH IX 14 02 29 12.4 35.68N 21.32E 10–1 3.4L **¶11910226**
IDC IX 14 02 29 13.2–1.1 35.78N 21.78E 0 3.7b,3.7
CSEM IX 14 02 29 16.2–.25 35.79N 21.49E 10 3.2L,3.7
NEIC IX 14 02 29 18.9–.53 35.83N 21.61E 35 3.2L,3.7
THE IX 14 02 29 18.5 35.84N 21.45E 76–8 3.2L,3.7
ISC Event type ke.
ATH Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=26.7km s-min=17.8km az=139.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.8km az=36.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=7.6km az=212.0.
THE Event type ke. Error ellipse: s-maj=8.4km s-min=1.2km az=45.0.
ISC IX 15 14 16 04.4–.95 35.68N–.04 22.03E–.06 10 75 1-3
THE IX 15 14 16 01.2 35.38N 21.80E 0–6 3.2L **¶13394385**
ISCJB IX 15 14 16 03.6–.93 35.62N–.04 22.03E–.06 10 3.2L
ATH IX 15 14 16 03.3 35.67N 22.01E 2 3.5
CSEM IX 15 14 16 05.8–.71 35.74N 22.12E 2 3.5
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=13.2km s-min=2.0km az=226.0.
ISCJB Event type ke. Error ellipse: s-maj=8.4km s-min=3.8km az=139.8.
ATH Error ellipse: s-maj=2.0km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=16.7km s-min=7.5km az=48.0.
ISC IX 16 11 24 08.3–1.6 35.52N–.03 21.92E–.05 16–11 4.0b 97 1-46
HLW IX 16 11 24 05.7 35.98N 22.10E 24–40 3.8L,3.8 **¶11910395**
ISCJB IX 16 11 24 05.8–1.4 35.42N–.04 21.80E–.07 16–11 4.0b,3.8
IDC IX 16 11 24 05.5–1.4 35.64N 22.14E 0 4.0b,4.0
ATH IX 16 11 24 06.9 35.61N 21.86E 5–3 3.6L,4.0
CSEM IX 16 11 24 07.2–.36 35.52N 21.94E 2 3.6L,4.0
NEIC IX 16 11 24 14.3 35.87N 22.15E 5 3.7L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=4.6km az=149.7.
IDC Error ellipse: s-maj=30.5km s-min=22.7km az=146.0.
ATH Error ellipse: s-maj=2.7km s-min=3.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=5.6km az=62.0.
NEIC Event type se. After ATH.
ISC IX 17 16 31 26.8–.64 35.81N–.05 21.57E–.05 50–6 3.8b 114 1-121
IDC IX 17 16 31 20.6–.80 35.86N 21.76E 0 4.0,3.9b **¶13394532**
ATH IX 17 16 31 24.6 35.75N 21.55E 44 3.9,3.5L
ISCJB IX 17 16 31 25.8–.67 35.82N–.05 21.59E–.04 60–6 3.8b,3.5L
NEIC IX 17 16 31 25.2–3.2 35.90N 21.66E 31–24 4.3b,3.5L

THE IX 17 16 31 27.4 36.08N 21.54E 2–4 2.9L,3.5L
CSEM IX 17 16 31 28.0–.17 35.87N 21.69E 60 2.9L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=15.8km az=154.0.
ATH Error ellipse: s-maj=3.3km s-min=3.4km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=8.3km s-min=6.1km az=178.9.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=8.6km az=160.0.
THE Event type ke. Error ellipse: s-maj=7.2km s-min=3.2km az=193.0.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.1km az=159.0.
ISC IX 18 14 33 05.0–.32 35.83N–.02 21.53E–.03 46–3 4.3b,3.4s 437 1-121
PDG IX 18 14 33 01.6–.07 35.93N 20.72E 11–11 4.2L,3.4s **¶13394609**
NEIC IX 18 14 33 02.1 35.75N 21.51E 5 3.9L,3.4s
MOS IX 18 14 33 02.5–1.3 35.90N 21.48E 33 4.4b,3.4s
ISCJB IX 18 14 33 03.4–.36 35.83N–.02 21.50E–.03 54–4 4.3b,3.4s
BJI IX 18 14 33 03.3 36.76N 21.83E 15 5.0b,4.6s
THE IX 18 14 33 04.1 35.83N 21.59E 21–6 3.8L,4.6s
IDC IX 18 14 33 04.2–4.3 35.93N 21.61E 30–32 4.1b,4.1
CSEM IX 18 14 33 04.5–.17 35.80N 21.49E 49–2 4.2b,4.1
ATH IX 18 14 33 04.4 35.84N 21.65E 43–9 4.0L,4.1
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=74.9km s-min=15.8km az=90.0.
NEIC Event type se. After ATH.
MOS Error ellipse: s-maj=7.7km s-min=3.4km az=82.7.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=38.2.
THE Event type ke. Error ellipse: s-maj=7.7km s-min=1.5km az=218.0.
IDC Error ellipse: s-maj=14.4km s-min=12.0km az=146.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=47.0.
ATH Error ellipse: s-maj=2.9km s-min=4.2km az=-1.0.
ATH IX 19 15 16 28.1 35.45N 22.40E 42–22 3.5
CSEM IX 19 15 16 28.1 35.45N 22.40E 42 3.5 **¶13394703**
ATH Error ellipse: s-maj=7.0km s-min=7.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC IX 30 08 51 39.8–1.6 35.78N–.04 21.53E–.06 2–11 4.0b 68 1-61
IDC IX 30 08 51 39.0–1.1 35.89N 21.56E 0 4.0b,3.9 **¶11911445**
CSEM IX 30 08 51 39.6–.41 35.74N 21.43E 2 3.7,3.9
THE IX 30 08 51 39.5 35.45N 21.32E 33–62 3.7,3.9
ATH IX 30 08 51 47.6 36.20N 21.81E 20–3 3.7,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=17.3km az=138.0.
CSEM Event type ke. Error ellipse: s-maj=14.4km s-min=7.9km az=96.0.
THE Event type ke. Error ellipse: s-maj=62.6km s-min=3.9km az=49.0.
ATH Error ellipse: s-maj=5.2km s-min=5.9km az=-1.0.
ISC X 09 02 43 03.2–.63 35.38N–.04 21.90E–.08 10 109 1-12
ISCJB X 09 02 43 00.9–.69 35.30N–.04 21.77E–.09 10 **¶13396448**
HLW X 09 02 43 03.9 35.77N 22.38E 33–43 3.1L,3.1
THE X 09 02 43 04.3 35.44N 21.95E 7–81 3.1L,3.1
CSEM X 09 02 43 06.5–.30 35.42N 21.96E 60 3.8,3.1
ATH X 09 02 43 08.6 35.63N 22.27E 39–5 3.8,3.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=3.9km az=152.8.
THE Event type ke. Error ellipse: s-maj=81.2km s-min=2.6km az=219.0.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=3.7km az=62.0.
ATH Error ellipse: s-maj=4.6km s-min=5.7km az=-1.0.
ATH X 24 23 30 20.8 35.16N 22.65E 23–3 3.7
CSEM X 24 23 30 20.8 35.16N 22.65E 23 3.7 **¶13398000**
ATH Error ellipse: s-maj=5.0km s-min=3.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH X 28 00 43 08.5 35.68N 22.51E 38–7 3.5
CSEM X 28 00 43 08.5 35.68N 22.51E 38 3.5 **¶13398310**
ATH Error ellipse: s-maj=5.3km s-min=5.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH X 28 09 08 31.6 33.96N 23.76E 15–5 3.6
CSEM X 28 09 08 31.6 33.96N 23.76E 15 3.6 **¶13398345**
ATH Error ellipse: s-maj=3.3km s-min=5.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC XI 07 15 03 13.9–.74 36.70N–.06 20.24E–.07 10 42 1-9
ISCJB XI 07 15 03 11.7–.75 36.60N–.06 20.16E–.06 10 **¶13399516**
CSEM XI 07 15 03 16.3–.23 36.67N 20.21E 40 3.3
ATH XI 07 15 03 16.8 36.84N 20.31E 43–16 3.3
HLW XI 07 15 03 22.4 36.20N 20.55E 33–34 3.3,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=5.9km az=38.4.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.9km az=50.0.
ATH Error ellipse: s-maj=6.8km s-min=7.6km az=-1.0.
ISC XI 13 05 19 54.3–1.7 35.27N–.08 22.70E–.08 13–8 66 1-4
ATH XI 13 05 19 54.4 35.23N 22.70E 36–4 3.6 **¶13399991**
CSEM XI 13 05 19 54.5–.35 35.26N 22.71E 15 2.9L
THE XI 13 05 19 55.8 35.29N 22.72E 20–5 2.9L
ISC Event type ke.
ATH Error ellipse: s-maj=2.5km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=3.1km az=39.0.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=0.9km az=230.0.
ATH XI 20 22 18 57.8 35.40N 22.70E 23–2 3.5
CSEM XI 20 22 18 57.8 35.40N 22.70E 23 3.5 **¶13400739**
ATH Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH XII 01 15 49 28.9 35.79N 21.24E 20–4 3.6
CSEM XII 01 15 49 30.1 35.78N 21.16E 45 3.6 **¶13401642**
ATH Error ellipse: s-maj=3.9km s-min=5.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ISC XII 04 20 35 12.2–.37 35.81N–.03 22.38E–.05 94–5 3.8b 214 1-61
IDC XII 04 20 35 07.7–5.3 35.39N 21.98E 78–33 3.7b,3.7 **¶12075788**
NEIC XII 04 20 35 09.6–3.1 35.39N 22.06E 99–20 3.7b,3.7
ISCJB XII 04 20 35 11.0–.39 35.81N–.03 22.36E–.05 104–4 3.8b,3.7
CSEM XII 04 20 35 11.9–.20 35.80N 22.35E 96–2 3.7L,3.7
ATH XII 04 20 35 12.4 35.97N 22.39E 103–1 3.7L,3.7
THE XII 04 20 35 13.5 35.91N 22.41E 98–3 3.7L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=74.4km s-min=24.4km az=40.0.
NEIC Event type se. Error ellipse: s-maj=41.7km s-min=16.2km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=3.3km az=146.3.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=3.0km az=57.0.
ATH Error ellipse: s-maj=0.5km s-min=0.9km az=-1.0.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=49.0.
ISC XII 08 21 33 03.6–.63 35.65N–.04 21.30E–.05 10 3.6b 178 2-47
ATH XII 08 21 32 55.5 35.33N 20.92E 5–3 3.8,3.6L **¶13402283**
NEIC XII 08 21 32 56.0 35.36N 20.94E 5 3.6L,3.6L
ISCJB XII 08 21 33 01.7–.66 35.65N–.04 21.24E–.05 10 3.6b,3.6L
IDC XII 08 21 33 02.6–1.2 35.78N 21.66E 0 3.8b,3.8
CSEM XII 08 21 33 03.3–.46 35.54N 21.25E 20 3.8,3.8
THE XII 08 21 33 07.2 35.67N 21.37E 31–22 3.1L,3.8
ISC Event type ke.
ATH Error ellipse: s-maj=2.3km s-min=2.1km az=-1.0.
NEIC Event type se. After ATH.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=41.1.
IDC Error ellipse: s-maj=23.8km s-min=22.1km az=56.0.
CSEM Event type ke. Error ellipse: s-maj=11.8km s-min=5.7km az=39.0.
THE Event type ke. Error ellipse: s-maj=22.7km s-min=0.6km az=220.0.
ATH XII 24 12 09 50.6 36.41N 20.55E 25–2 3.7
CSEM XII 24 12 09 50.8 36.43N 20.55E 24 3.7 **¶13403849**
ATH Error ellipse: s-maj=6.2km s-min=4.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ATH.
ATH XII 28 21 50 32.0 35.72N 22.02E 38–8 2.9
¶13404272
ATH Error ellipse: s-maj=8.1km s-min=3.6km az=-1.0.
ISC XII 30 06 20 35.4–.21 34.62N–.02 19.73E–.02 10 4.0b 379 3-92
ISCJB XII 30 06 20 32.9–.22 34.62N–.02 19.74E–.03 10 4.0b **¶11661665**
IDC XII 30 06 20 33.9–.89 34.51N 19.67E 0 4.1L,4.0b
CSEM XII 30 06 20 35.3–.14 34.59N 19.73E 12 3.9s,4.0b
NEIC XII 30 06 20 37.0–3.1 34.63N 19.62E 18–21 4.5L,4.1b
PDG XII 30 06 20 37.3–.18 34.91N 18.69E 12–11 5.3,5.2L
THE XII 30 06 20 41.6 34.89N 19.89E 121–8 4.5L,5.2L
HLW XII 30 06 20 42.6 34.63N 20.06E 32–19 4.6,4.5L
VIE XII 30 06 20 48.5–.59 35.70N 19.66E 10–0 3.9s,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=4.2.
IDC Error ellipse: s-maj=21.4km s-min=15.1km az=143.0.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.1km az=76.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.2km az=176.0.
PDG Event type ke. Error ellipse: s-maj=294.4km s-min=22.4km az=90.0.
THE Event type ke. Error ellipse: s-maj=8.9km s-min=1.6km az=62.0.
VIE Error ellipse: s-maj=11.2km s-min=4.2km az=70.0. 337 km SW of Patras .

SEISMIC REGION 32.
Atlantic Ocean.

(402) North Atlantic Ocean.

RSPR VII 17 05 20 00.6 22.71N 67.40W 25–51 4.2
NEIC VII 17 05 19 48.9–3.5 23.38N 67.49W 10 4.2 **¶11132449**
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=46.0km s-min=8.6km az=200.0.
RSPR VII 26 00 22 53.4 20.04N 63.93W 25–26 3.5
NEIC VII 26 00 22 53.4 20.04N 63.93W 25 3.5 **¶11153751**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 01 10 41 24.4 19.22N 68.70W 125–3 3.7
NEIC VIII 01 10 41 24.4 19.22N 68.70W 125 3.7 **¶11154068**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 06 00 56 06.7 19.45N 68.91W 111–2
NEIC VIII 06 00 56 06.7 19.45N 68.91W 111 3.8 **¶11158564**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VIII 07 12 27 05.5–.52 11.58N–.02 59.96W–.04 52–5 4.5s,4.0b 149 1-85
IDC VIII 07 12 26 59.0–.67 11.52N 59.88W 0 4.5s,4.5 **¶11907882**
TRN VIII 07 12 27 03.8 11.60N 59.90W 48 3.8,4.5
ISCJB VIII 07 12 27 04.8–.50 11.59N–.02 60.00W–.04 69–4 3.9b,4.5
NEIC VIII 07 12 27 04.4 11.59N 59.95W 55 3.8,4.5
FUNV VIII 07 12 27 06.9 11.41N 59.93W 50 4.2W,4.5
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=16.0km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.1km az=11.0.
NEIC Event type se. After TRN.
RSPR VIII 13 08 49 23.4 19.59N 68.02W 64–16 3.5
NEIC VIII 13 08 49 23.4 19.59N 68.02W 64 3.5 **¶11164823**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR VIII 19 06 31 52.9 19.13N 68.23W 133–3 3.5
NEIC VIII 19 06 31 52.9 19.13N 68.23W 133 3.5 **¶11169864**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC VIII 25 08 51 04.3–.86 40.54N–.04 14.66W–.06 10 250 4-9
NEIC VIII 25 08 51 00.5 40.56N 15.04W 0 3.2 **¶11359037**
MDD VIII 25 08 51 00.1–1.8 40.56N 15.09W 0 4.8b
INMG VIII 25 08 51 02.3–.96 40.59N 15.50W 10–0 3.1L
CSEM VIII 25 08 51 04.3–.40 40.54N 14.65W 10 3.9L
ISC Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=15.6km s-min=12.1km az=83.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=3.5km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=5.3km az=83.0.
ISC VIII 27 23 54 27.9–.82 49.09N–.04 4.08W–.05 11–4 110 1-7
ISCJB VIII 27 23 54 27.0–.79 49.10N–.03 4.00W–.05 6–4 **¶11222379**
CSEM VIII 27 23 54 28.0–.38 49.09N 4.08W 10 2.6L
NEIC VIII 27 23 54 28.1 49.14N 4.10W 5 2.5L
LDG VIII 27 23 54 28.1–.17 49.14N 4.10W 5–0 2.5L,2.4
BGS VIII 27 23 54 29.6–.81 49.07N 4.19W 15–0 1.7L,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.9km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=6.1km az=56.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=63.0.
BGS Error ellipse: s-maj=8.6km s-min=6.9km az=-1.0.
RSPR IX 03 23 17 01.5 19.11N 68.58W 165–3 3.8
NEIC IX 03 23 17 01.5 19.11N 68.58W 165 3.8 **¶11230964**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR IX 08 08 17 40.8 20.29N 65.20W 0–5 3.5
NEIC IX 08 08 17 40.8 20.29N 65.20W 0 3.5 **¶11245859**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 19 05 23 51.7–.88 49.27N–.04 3.73W–.06 10 85 1-4
BGS IX 19 05 23 51.8–.83 49.16N 3.88W 5–0 1.7L **¶14769114**
CSEM IX 19 05 23 51.6–.41 49.29N 3.68W 10 2.6L
ISCJB IX 19 05 23 52.1–.85 49.26N–.04 3.56W–.06 10 2.6L
NEIC IX 19 05 23 52.7 49.29N 3.71W 15 2.6L
LDG IX 19 05 23 52.7–.11 49.29N 3.71W 15–0 2.6L,2.4
ISC Event type ke.
BGS Error ellipse: s-maj=13.5km s-min=9.4km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=6.4km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=6.1km s-min=5.4km az=18.9.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=97.0.
ISC IX 26 22 40 06.1–.34 16.17N–.07 48.63W–.05 10 4.5b,3.4s 234 13-175
ISCJB IX 26 22 40 04.2–.34 16.17N–.07 48.68W–.05 10 4.5b,3.4s **¶11310468**
IDC IX 26 22 40 04.0–.52 16.14N 48.70W 0 4.4,4.3
NEIC IX 26 22 40 05.7–.23 16.14N 48.66W 10 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=6.2km az=7.5.
IDC Error ellipse: s-maj=15.6km s-min=15.1km az=115.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.9km az=189.0.
RSPR IX 27 02 04 13.5 19.02N 68.67W 165–6 3.6
NEIC IX 27 02 04 13.5 19.02N 68.67W 165 3.6 **¶11322324**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC IX 27 04 01 44.1–.38 16.06N–.07 48.59W–.05 10 4.5b 433 11-175
ISCJB IX 27 04 01 42.0–.36 16.06N–.06 48.62W–.05 10 4.5b **¶11310636**
IDC IX 27 04 01 42.0–.59 16.12N 48.69W 0 5.9L,4.5
NEIC IX 27 04 01 43.8–.29 16.07N 48.66W 10 4.7b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.7km az=2.1.
IDC Error ellipse: s-maj=17.9km s-min=15.8km az=113.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=177.0.
RSPR IX 29 03 29 23.4 19.01N 68.61W 182–3 3.9
NEIC IX 29 03 29 23.4 19.01N 68.61W 182 3.9 **¶11322353**
RSPR Event type ke.
NEIC Event type se. After RSPR.
IDC IX 30 21 15 50.1–3.2 16.16N 48.55W 0 4.2,3.8
¶11911490
IDC Error ellipse: s-maj=147.5km s-min=31.3km az=15.0.
ISC X 04 16 21 35.9–1.0 39.64N–.05 14.78W–.07 10 136 4-8
MDD X 04 16 21 31.7–2.1 39.63N 15.21W 0 4.3b **¶11525909**
NEIC X 04 16 21 32.1 39.64N 15.15W 0 3.8
INMG X 04 16 21 33.8–1.0 39.62N 15.62W 10–0 2.4L
CSEM X 04 16 21 35.7–.51 39.64N 14.80W 10 3.3L
ISC Event type ke.
MDD Error ellipse: s-maj=18.7km s-min=16.5km az=76.0. PRXIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=5.7km az=85.0.
CSEM Event type ke. Error ellipse: s-maj=9.5km s-min=8.1km az=56.0.
MDD X 14 04 42 49.3–1.8 43.12N 13.87W 0 4.3b
NEIC X 14 04 42 47.9 43.15N 13.99W 0 3.9 **¶11525955**

INMG X 14 04 42 51.3–1.0 43.24N 14.29W 10–0 2.4L
CSEM X 14 04 42 52.9–.37 42.94N 13.54W 10 3.4L
MDD Error ellipse: s-maj=15.4km s-min=12.2km az=106.0. PRXIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=7.1km s-min=4.3km az=92.0.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.9km az=104.0.
ISC X 19 21 31 23.4–.83 41.09N–.03 13.14W–.06 10 156 3-8
IGIL X 19 21 31 19.7 41.19N 13.97W 46 2.8L **¶11434354**
MDD X 19 21 31 20.2–1.7 41.14N 13.47W 0 3.9b,2.7
INMG X 19 21 31 22.0–.90 41.20N 13.94W 10–0 2.3L,2.7
CSEM X 19 21 31 23.3–.41 41.08N 13.15W 10 3.4L,2.7
ISC Event type ke.
MDD Error ellipse: s-maj=15.9km s-min=9.7km az=101.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=3.1km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=4.9km az=98.0.
RSPR X 24 04 20 30.1 20.37N 65.38W 40–22 3.5
NEIC X 24 04 20 30.1 20.37N 65.38W 40 3.5 **¶11362353**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR X 30 03 48 53.2 20.57N 64.51W 25–23 3.6
NEIC X 30 03 48 53.2 20.57N 64.51W 25 3.6 **¶11379091**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 03 02 40 38.4 19.58N 68.37W 49–16 3.6
NEIC XI 03 02 40 38.4 19.58N 68.37W 49 3.6 **¶11396561**
RSPR Event type ke.
NEIC Event type se. After RSPR.
TRN XI 03 02 43 44.5 12.64N 58.90W 19 4.1
¶14188541
ISC XI 03 05 42 18.4–1.0 12.68N–.04 58.91W–.07 10 46 2-10
TRN XI 03 05 42 17.8 12.69N 58.87W 13 4.2,4.0 **¶14011181**
FUNV XI 03 05 42 26.8 12.21N 58.95W 35 3.6W,4.0
RSPR XI 08 18 40 07.8 19.28N 68.62W 70–9 3.5
NEIC XI 08 18 40 07.8 19.28N 68.62W 70 3.6 **¶11396835**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 10 22 52 53.6 20.75N 68.75W 25–10
NEIC XI 10 22 52 53.6 20.75N 68.75W 25 3.5 **¶11415192**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 11 09 39 23.7 19.07N 68.87W 7–7
NEIC XI 11 09 39 23.7 19.07N 68.87W 7 3.9 **¶11433897**
RSPR Event type ke.
NEIC Event type se. After RSPR.
RSPR XI 11 17 45 20.0 19.25N 68.55W 66–15 3.1
NEIC XI 11 17 45 20.0 19.25N 68.55W 66 3.2 **¶11433916**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 13 18 16 30.5–1.1 43.13N–.07 15.38W–.08 10 80 5-10
MDD XI 13 18 16 25.0–3.3 43.30N 15.90W 0 4.3b **¶14555764**
INMG XI 13 18 16 28.1–1.8 43.40N 16.24W 10–0 2.3L
CSEM XI 13 18 16 30.5–.52 43.13N 15.37W 10 4.4b
ISC Event type ke.
MDD Error ellipse: s-maj=38.8km s-min=29.0km az=164.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=10.7km s-min=8.8km az=102.0.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=8.0km az=125.0.
RSPR XI 17 11 55 26.3 19.66N 68.12W 46–16 3.0
NEIC XI 17 11 55 26.3 19.66N 68.12W 46 3.0 **¶11456725**
RSPR Event type ke.
NEIC Event type se. After RSPR.
ISC XI 18 00 15 27.6–.23 50.27N–.05 49.91W–.03 10 4.2b 149 3-150
ISCJB XI 18 00 15 25.3–.24 50.29N–.06 49.95W–.04 10 4.2b **¶11457617**
IDC XI 18 00 15 27.3–.57 50.10N 49.57W 0 4.2,4.1
OTT XI 18 00 15 29.3–.80 50.23N 49.70W 18 4.2L,4.1
NEIC XI 18 00 15 29.3 50.23N 49.70W 18 4.5b,4.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=3.4km az=172.3.
IDC Error ellipse: s-maj=19.0km s-min=11.1km az=6.0.
OTT Event type ke. Error ellipse: s-maj=4.4km s-min=5.7km az=-1.0. Offshore Newfoundland. 304km northeast from Bonavista, NI Eastern Background Seismic Zone.
NEIC Event type se. After OTT.
ISC XI 24 01 22 24.7–1.4 39.41N–.07 12.80W–.09 10 52 3-5
MDD XI 24 01 22 22.5–3.3 39.41N 13.01W 0 3.9b **¶14555993**
INMG XI 24 01 22 24.0–.83 39.39N 13.46W 10–0 1.8L
CSEM XI 24 01 22 24.3–.58 39.41N 12.84W 10 2.7L
ISC Event type ke.
MDD Error ellipse: s-maj=30.0km s-min=22.0km az=83.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=8.3km s-min=6.9km az=71.0.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=9.6km az=79.0.
ISC XI 30 17 21 43.6–.44 13.97N–.03 58.68W–.03 10 3.9b 80 1-83
IDC XI 30 17 21 40.8–.73 13.83N 58.49W 0 6.1L,4.1 **¶12075351**
ISCJB XI 30 17 21 41.8–.44 13.98N–.03 58.62W–.03 10 3.9b,4.1
NEIC XI 30 17 21 43.9–.55 13.93N 58.58W 20 3.9b,4.1
TRN XI 30 17 21 44.6 13.91N 59.00W 3 4.2,4.1
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=18.6km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.1km az=140.3.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.9km az=181.0.
ISC XII 28 15 25 44.4–.86 39.60N–.03 11.91W–.06 10 140 2-6
MDD XII 28 15 25 42.0–1.5 39.58N 12.15W 0 3.6b **¶12079281**
INMG XII 28 15 25 44.6–1.2 39.60N 12.56W 10–0 2.0L
CSEM XII 28 15 25 44.9–.47 39.58N 11.88W 10 3.6b
ISC Event type ke.
MDD Error ellipse: s-maj=14.7km s-min=8.0km az=84.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=2.9km az=86.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=4.8km az=82.0.

(403) Northern Mid-Atlantic Ridge.

ISC VII 02 00 08 31.6–.36 12.45N–.08 44.17W–.07 10 4.4b,4.0s 58 20-94
ISCJB VII 02 00 08 29.5–.36 12.45N–.08 44.18W–.07 10 4.4b,4.0s **¶11223655**
IDC VII 02 00 08 29.9–.78 12.41N 44.22W 0 4.1,4.0s
NEIC VII 02 00 08 31.4–.30 12.45N 44.20W 10 4.6b,4.0s
GCMT VII 02 00 08 35.4–.30 12.72N 44.43W 17–1 5.0W,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=7.5km az=141.5.
IDC Error ellipse: s-maj=30.1km s-min=17.7km az=131.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.3km az=143.0.
GCMT Event type se. Data Used: IU II CN IC G. Moment Tensor Solution. s34,c45; s73,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.79±.12 $M_{\theta\theta}$-0.51±.10; $M_{\phi\phi}$1.30±.11; $M_{r\theta}$-1.11±.29; $M_{\theta\phi}$-3.38±.11; $M_{\phi r}$0.27±.30; Best double couple: NP1:ϕ_s7.00000°,δ71.00000°,λ-4.00000°. NP2:ϕ_s99.00000°,δ86.00000°,λ-161.00000°. Principal axes: T 4.0600,Plg11.0000° ,Azm231.0000°; N -0.7400,Plg70.0000°,Azm110.0000°; P -3.3200,Plg16.0000° ,Azm325.0000° $M_0$3.70000×10^{16}
ISC VII 02 03 42 54.7–.39 12.54N–.08 44.53W–.07 10 4.4b,3.8s 74 33-79
ISCJB VII 02 03 42 52.7–.39 12.55N–.08 44.56W–.07 10 4.4b,3.8s **¶11108346**
IDC VII 02 03 42 52.7–.64 12.59N 44.49W 0 4.3,4.1
NEIC VII 02 03 42 54.5–.29 12.54N 44.54W 10 4.6b,4.0s
GCMT VII 02 03 42 59.6–.30 12.79N 44.55W 17–1 4.8W,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=7.6km az=143.5.
IDC Error ellipse: s-maj=27.7km s-min=14.3km az=130.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.9km az=144.0.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s15,c18; s65,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.38±.09 $M_{\theta\theta}$-0.18±.07; $M_{\phi\phi}$0.56±.07; $M_{r\theta}$-0.70±.21; $M_{\theta\phi}$-1.80±.07; $M_{\phi r}$-0.11±.19; Best double couple: NP1:ϕ_s4.00000°,δ68.00000°,λ-10.00000°. NP2:ϕ_s98.00000°,δ81.00000°,λ-158.00000°. Principal axes: T 2.0800,Plg9.0000° ,Azm229.0000°; N -0.1800,Plg66.0000°,Azm119.0000°; P -1.9000,Plg22.0000° ,Azm323.0000° $M_0$2.00000×10^{16}
IDC VII 13 10 31 41.8–1.6 30.97N 41.59W 0 3.9,3.5
¶12698188
IDC Error ellipse: s-maj=191.8km s-min=25.4km az=20.0.

ISC VII 15 20 26 01.7–.38 43.02N–.05 29.15W–.06 10 4.2b,3.5s 169 4-148
ISCJB VII 15 20 25 59.8–.38 43.03N–.05 29.18W–.06 10 4.2b,3.5s **¶11159740**
IDC VII 15 20 26 00.8–1.5 43.22N 29.11W 0 4.8L,4.2
CSEM VII 15 20 26 01.6–.20 43.09N 29.17W 10 4.4b,4.2
NEIC VII 15 20 26 02.3–.45 43.18N 29.13W 10 4.3b,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=6.3km az=6.6.
IDC Error ellipse: s-maj=49.8km s-min=14.6km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=6.7km az=177.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=5.8km az=186.0.
ISC VII 28 19 40 49.9–.59 30.1N–.10 42.5W–.10 10 4.0b,3.7s 26 25-95
ISCJB VII 28 19 40 47.9–.58 30.1N–.10 42.5W–.10 10 4.0b,3.7s **¶11812800**
IDC VII 28 19 40 47.9–.78 30.09N 42.41W 0 4.1,3.9
NEIC VII 28 19 40 49.6–.53 30.06N 42.50W 10 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=11.5km az=150.1.
IDC Error ellipse: s-maj=22.0km s-min=19.3km az=136.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.7km az=150.0.
ISC VIII 02 17 58 29.1–.60 12.7N–.10 44.9W–.10 10 4.2b,3.6s 17 16-88
ISCJB VIII 02 17 58 27.2–.61 12.7N–.10 45.0W–.10 10 4.2b,3.6s **¶11907710**
IDC VIII 02 17 58 27.4–.81 12.71N 44.98W 0 4.2,4.0
NEIC VIII 02 17 58 28.8–.51 12.67N 44.93W 10 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=12.2km az=144.9.
IDC Error ellipse: s-maj=37.7km s-min=17.6km az=126.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.5km az=142.0.
IDC VIII 08 12 02 16.2–1.1 16.08N 46.57W 0 4.1,3.9
¶12580981
IDC Error ellipse: s-maj=38.3km s-min=26.0km az=125.0.
IDC VIII 19 02 22 02.6–1.9 43.01N 27.60W 0 4.7L,3.8
¶12581187
IDC Error ellipse: s-maj=104.5km s-min=30.7km az=19.0.
IDC VIII 19 21 48 41.3–3.6 22.35N 45.20W 0 4.0,3.8s
¶12581215
IDC Error ellipse: s-maj=105.6km s-min=36.2km az=26.0.
ISC VIII 23 02 18 05.2–.75 16.6N–.10 46.6W–.10 10 3.7b 10 19-79
ISCJB VIII 23 02 18 03.3–.75 16.7N–.10 46.7W–.10 10 3.7b **¶11908618**
IDC VIII 23 02 18 03.4–.92 16.65N 46.66W 0 4.0,3.7
NEIC VIII 23 02 18 05.0–.56 16.62N 46.62W 10 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=19.9km az=37.4.
IDC Error ellipse: s-maj=28.0km s-min=24.3km az=113.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=15.3km az=218.0.
ISC VIII 23 07 45 18.4–.11 44.33N–.03 28.16W–.02 10 4.7b,4.2s 818 6-155
BJI VIII 23 07 45 13.4 44.46N 29.12W 8 5.3b,5.0b **¶11184430**
ISCJB VIII 23 07 45 16.3–.11 44.30N–.03 28.21W–.02 10 4.7b,4.2s
IDC VIII 23 07 45 16.7–.47 44.41N 28.24W 0 4.4,4.4
MOS VIII 23 07 45 16.5–.79 44.38N 28.22W 10 4.9b,4.1s
CSEM VIII 23 07 45 18.1–.08 44.34N 28.18W 10 4.8b,4.4s
NEIC VIII 23 07 45 18.5–.15 44.40N 28.19W 10 4.8b,4.4s
GCMT VIII 23 07 45 20.3–.20 44.43N 28.15W 12 5.0W,4.4s
PDA VIII 23 07 45 24.4–1.2 44.18N 27.40W 5 4.7L,4.4s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=1.8km az=6.9.
IDC Error ellipse: s-maj=15.0km s-min=11.2km az=0.0.
MOS Error ellipse: s-maj=7.3km s-min=4.2km az=161.9.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=2.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=2.0km az=184.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s39,c54; s88,c143; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.94±.08 $M_{\theta\theta}$0.29±.08; $M_{\phi\phi}$3.64±.06; $M_{r\theta}$1.11±.30; $M_{\theta\phi}$0.50±.06; $M_{\phi r}$-0.42±.22; Best double couple: NP1:ϕ_s202.00000°,δ45.00000°,λ-69.00000°. NP2:ϕ_s354.00000°,δ49.00000°,λ-109.00000°. Principal axes: T 3.7200,Plg2.0000° ,Azm98.0000°; N 0.5200,Plg14.0000°,Azm7.0000°; P -4.2500,Plg75.0000°,Azm195.0000° $M_0$4.40000×10^{16}
PDA Event type ke. Error ellipse: s-maj=17.3km s-min=6.6km az=81.0.
ISC VIII 24 10 13 14.7–.53 44.3N–.10 28.29W–.07 10 3.9b,3.4s 75 19-80
ISCJB VIII 24 10 13 12.6–.53 44.2N–.10 28.35W–.07 10 3.9b,3.4s **¶11359028**
IDC VIII 24 10 13 12.7–.73 44.19N 28.41W 0 3.9,3.8
NEIC VIII 24 10 13 14.3–.47 44.20N 28.31W 10 4.3b,3.8
CSEM VIII 24 10 13 14.3 44.20N 28.31W 10 4.3b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=7.0km az=1.3.
IDC Error ellipse: s-maj=23.7km s-min=15.5km az=178.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=6.0km az=180.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
ISC VIII 24 10 13 41.7–.28 44.37N–.09 28.19W–.03 10 4.5b 258 15-80
ISCJB VIII 24 10 13 39.7–.28 44.36N–.09 28.25W–.03 10 4.5b **¶11908690**
IDC VIII 24 10 13 39.2–.62 44.33N 28.37W 0 4.3,4.1b
NEIC VIII 24 10 13 41.4–.27 44.31N 28.18W 10 4.6b,4.1b
CSEM VIII 24 10 13 41.6–.16 44.41N 28.21W 10 4.8s,4.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=3.5km az=0.4.
IDC Error ellipse: s-maj=20.4km s-min=14.0km az=2.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=3.7km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=4.4km az=2.0.
IDC VIII 27 22 00 33.9–5.2 32.81N 39.69W 0 4.2,4.1b
¶12581480
IDC Error ellipse: s-maj=167.6km s-min=35.2km az=177.0.
IDC VIII 31 05 04 36.6–1.2 43.93N 28.87W 0 3.9L,3.8b
¶12581589
IDC Error ellipse: s-maj=43.9km s-min=27.0km az=20.0.
ISC IX 02 02 16 58.5–.14 49.18N–.04 28.30W–.02 10 4.4b,4.0s 509 14-151
ISCJB IX 02 02 16 56.4–.14 49.14N–.04 28.35W–.03 10 4.4b,4.0s **¶11255517**
IDC IX 02 02 16 56.3–.43 49.10N 28.41W 0 4.3,4.2b
BJI IX 02 02 16 58.1 49.86N 28.48W 10 5.0b,4.9b
CSEM IX 02 02 16 58.1–.10 49.18N 28.32W 10 4.9W,4.5b
NEIC IX 02 02 16 58.3–.20 49.17N 28.31W 10 4.5b,4.5b
IGIL IX 02 02 16 59.1 49.20N 28.31W 10 4.4b,4.5b
GCMT IX 02 02 17 00.5–.30 49.17N 28.20W 12 4.9W,4.5b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=2.0km az=13.3.
IDC Error ellipse: s-maj=13.4km s-min=10.4km az=175.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=2.8km az=14.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=2.7km az=13.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s22,c27; s77,c115; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.40±.09 $M_{\theta\theta}$0.24±.09; $M_{\phi\phi}$2.16±.06; $M_{r\theta}$0.25±.34; $M_{\theta\phi}$-0.33±.06; $M_{\phi r}$0.37±.28; Best double couple: NP1:ϕ_s344.00000°,δ41.00000°,λ-100.00000°. NP2:ϕ_s177.00000°,δ49.00000°,λ-81.00000°. Principal axes: T 2.2400,Plg4.0000° ,Azm261.0000°; N 0.2300,Plg7.0000°,Azm352.0000°; P -2.4600,Plg82.0000°,Azm140.0000° $M_0$2.40000×10^{16}
IDC IX 04 03 47 40.6–1.1 21.16N 45.80W 0 4.2,3.9
¶11909430
IDC Error ellipse: s-maj=39.9km s-min=25.2km az=54.0.
IDC IX 04 03 51 14.1–4.5 21.37N 45.61W 0 4.1,3.8b
¶11909431
IDC Error ellipse: s-maj=156.9km s-min=35.3km az=95.0.
ISC IX 04 18 47 56.0–.31 30.16N–.07 42.60W–.03 10 4.7b,4.6s 263 25-119
IDC IX 04 18 47 53.8–.55 30.09N 42.51W 0 4.5s,4.5 **¶11265444**
ISCJB IX 04 18 47 54.0–.31 30.17N–.07 42.63W–.03 10 4.7b,4.6s
BJI IX 04 18 47 54.3 30.10N 42.60W 10 5.5b,5.2b
NEIC IX 04 18 47 55.3–.30 30.10N 42.59W 10 4.8b,5.2b
GCMT IX 04 18 47 59.5–.20 30.17N 42.57W 12 5.4W,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=12.5km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=3.1km az=173.6.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.0km az=172.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c97; s95,c186; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.45±.03 $M_{\theta\theta}$0.79±.03; $M_{\phi\phi}$-0.34±.03; $M_{r\theta}$-0.65±.07; $M_{\theta\phi}$1.20±.02; $M_{\phi r}$-0.63±.06; Best double couple: NP1:ϕ_s285.00000°,δ59.00000°,λ-1.00000°. NP2:ϕ_s16.00000°,δ89.00000°,λ-148.00000°. Principal axes: T 1.8900,Plg21.0000° ,Azm146.0000°; N -0.7100,Plg58.0000°,Azm18.0000°; P -1.1800,Plg23.0000° ,Azm245.0000° $M_0$1.50000×10^{17}

IDC IX 12 10 38 36.5–1.2 44.33N 28.27W 0 3.9,3.8b
¶11910099

IDC Error ellipse: s-maj=59.0km s-min=24.5km az=153.0.

IDC IX 14 12 42 16.7–1.4 30.80N 41.99W 0 4.0,3.8
¶11910257

IDC Error ellipse: s-maj=45.5km s-min=19.7km az=3.0.

ISC IX 18 18 17 23.7–.51 52.28N–.07 30.75W–.09 10 4.1b,3.4s 164 13-149
ISCJB IX 18 18 17 21.7–.51 52.20N–.07 30.79W–.09 10 4.1b,3.5s ¶13394623
IDC IX 18 18 17 21.7–.80 52.13N 30.77W 0 4.6L,4.2
CSEM IX 18 18 17 22.0–.24 52.25N 30.76W 2 4.3b,3.3s
INMG IX 18 18 17 23.0 53.19N 30.85W 33 4.3b,3.3s
NEIC IX 18 18 17 23.2–.36 52.15N 30.78W 10 4.3b,3.3s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=7.0km az=30.8.
IDC Error ellipse: s-maj=21.3km s-min=14.6km az=28.0.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=6.2km az=32.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.2km az=198.0.

IDC IX 19 08 56 06.1–.99 22.36N 45.28W 0 4.0,3.7
¶11910614

IDC Error ellipse: s-maj=33.9km s-min=25.5km az=37.0.

IDC IX 21 07 39 23.7–1.6 13.59N 44.92W 0 4.1,3.8
¶11910752

IDC Error ellipse: s-maj=52.9km s-min=31.4km az=130.0.

IDC IX 21 08 00 21.6–.76 13.49N 44.90W 0 4.2,3.9
¶11910753

IDC Error ellipse: s-maj=24.5km s-min=19.8km az=131.0.

ISC X 04 05 41 52.5–.25 21.33N–.05 45.79W–.02 10 4.8b,4.7s 593 18-179
IDC X 04 05 41 50.3–.49 21.36N 45.72W 0 5.9L,4.7 ¶11328040
ISCJB X 04 05 41 50.5–.25 21.36N–.05 45.81W–.02 10 4.8b,4.7s
MOS X 04 05 41 50.6–.99 21.35N 45.82W 10 5.0b,4.5s
BJI X 04 05 41 51.7 21.40N 45.80W 10 5.4b,5.2s
NEIC X 04 05 41 52.3–.21 21.34N 45.73W 10 5.0b,5.2s
GCMT X 04 05 41 55.3–.20 21.37N 45.74W 12 5.3W,5.2s
SZGRF X 04 05 42 02.2 23.01N 46.64W 33 4.7b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=9.4km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=2.8km az=175.8.
MOS Error ellipse: s-maj=7.5km s-min=4.9km az=45.3.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.2km az=176.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves from 103 sta. Moment Tensor Solution. s59,c86; s99,c187; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04±.02 $M_{\theta\theta}$0.02±.02; $M_{\phi\phi}$1.02±.02; $M_{r\theta}$-0.28±.05; $M_{\theta\phi}$0.22±.01; $M_{\phi r}$-0.07±.05; Best double couple: NP1: ϕ_s179.00000°,δ43.00000°,λ-109.00000°. NP2:ϕ_s25.00000°,δ50.00000°,λ-73.00000°. Principal axes: T 1.0800,Plg4.0000°,Azm103.0000°; N 0.0300,Plg13.0000°,Azm194.0000° ; P -1.1100,Plg76.0000°,Azm358.0000° $M_0$1.10000×10^{17}
SZGRF Northern Mid-Atlantic Ridge.

IDC X 09 15 32 23.8–1.3 21.36N 45.66W 0 4.1,3.9
¶12066440

IDC Error ellipse: s-maj=37.8km s-min=33.4km az=31.0.

ISC X 12 15 58 01.5–.51 16.1N–.10 46.67W–.09 10 4.3b,3.6s 32 24-88
ISCJB X 12 15 57 59.5–.51 16.1N–.10 46.65W–.09 10 4.3b,3.6s ¶12068474
IDC X 12 15 57 59.7–.66 16.10N 46.67W 0 4.3,4.1
NEIC X 12 15 58 01.2–.34 16.09N 46.67W 10 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=11.4km az=163.6.
IDC Error ellipse: s-maj=21.7km s-min=17.5km az=143.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.9km az=167.0.

IDC X 12 23 09 58.1–1.3 16.04N 47.12W 0 4.3,4.0b
¶12068501

IDC Error ellipse: s-maj=43.7km s-min=35.0km az=87.0.

ISC X 13 02 45 32.0–.58 16.1N–.10 46.7W–.10 10 3.9b,3.6s 24 24-80
ISCJB X 13 02 45 30.1–.58 16.1N–.10 46.7W–.10 10 3.9b,3.6s ¶12068517
IDC X 13 02 45 30.3–.72 16.14N 46.73W 0 4.1,3.9
NEIC X 13 02 45 31.7–.49 16.11N 46.71W 10 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=14.6km az=32.5.
IDC Error ellipse: s-maj=21.5km s-min=18.6km az=141.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=13.1km az=103.0.

IDC X 13 04 38 11.3–1.2 16.08N 46.59W 0 4.1,3.8
¶12068524

IDC Error ellipse: s-maj=36.9km s-min=28.1km az=12.0.

ISC X 13 06 52 52.5–.70 16.0N–.10 46.5W–.10 10 3.8b,3.3s 17 29-80
ISCJB X 13 06 52 50.6–.70 16.0N–.10 46.5W–.10 10 3.8b,3.3s ¶12068535
IDC X 13 06 52 50.9–.82 15.99N 46.46W 0 4.2,3.9
NEIC X 13 06 52 52.3–.66 15.97N 46.46W 10 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=18.5km az=10.4.
IDC Error ellipse: s-maj=24.7km s-min=21.8km az=112.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=17.4km az=102.0.

ISC X 13 07 55 27.7–.81 16.0N–.10 46.5W–.20 10 3.9b 16 39-80
ISCJB X 13 07 55 25.7–.81 16.0N–.10 46.6W–.20 10 3.9b ¶12068538
IDC X 13 07 55 26.0–.98 16.04N 46.57W 0 4.1,3.8b
NEIC X 13 07 55 27.4–.58 16.03N 46.55W 10 4.4b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.0km s-min=18.0km az=162.1.
IDC Error ellipse: s-maj=29.0km s-min=23.8km az=83.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=13.1km az=72.0.

ISC X 13 08 20 16.7–.69 16.1N–.10 46.6W–.10 10 4.1b 19 39-80
ISCJB X 13 08 20 14.9–.69 16.1N–.10 46.6W–.10 10 4.1b ¶12068540
IDC X 13 08 20 15.0–.82 16.08N 46.65W 0 4.4,4.2
NEIC X 13 08 20 16.4–.58 16.03N 46.65W 10 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=16.7km az=14.8.
IDC Error ellipse: s-maj=25.0km s-min=20.5km az=117.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=15.0km az=74.0.

IDC X 13 10 23 15.3–.87 16.24N 46.61W 0 4.1,3.8
¶12068547

IDC Error ellipse: s-maj=25.7km s-min=24.1km az=152.0.

IDC X 13 12 44 37.2–1.3 15.81N 46.68W 0 4.1,3.9
¶12068553

IDC Error ellipse: s-maj=39.9km s-min=35.0km az=114.0.

ISC X 26 02 54 31.3–.91 33.9N–.20 38.6W–.10 10 3.9b,3.8s 23 28-92
ISCJB X 26 02 54 29.3–.91 33.9N–.20 38.6W–.10 10 3.9b,3.8s ¶12071122
IDC X 26 02 54 29.0–1.3 33.73N 38.66W 0 4.0,3.8b
NEIC X 26 02 54 30.6–.73 33.71N 38.66W 10 4.2b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.7km s-min=12.0km az=8.3.
IDC Error ellipse: s-maj=51.6km s-min=18.1km az=5.0.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=9.6km az=189.0.

ISC XI 01 05 57 57.1–.40 12.71N–.08 44.36W–.06 10 4.3b,3.9s 50 16-84
ISCJB XI 01 05 57 55.1–.40 12.71N–.08 44.36W–.06 10 4.3b,3.9s ¶12071828
IDC XI 01 05 57 55.2–.57 12.72N 44.46W 0 4.3,4.1
NEIC XI 01 05 57 56.9–.36 12.70N 44.38W 10 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=8.7km az=170.0.
IDC Error ellipse: s-maj=18.9km s-min=13.8km az=136.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.1km az=173.0.

IDC XI 07 15 14 24.6–1.1 25.11N 45.59W 0 3.9,3.7b
¶12072699

IDC Error ellipse: s-maj=36.2km s-min=26.8km az=29.0.

ISC XI 13 22 24 10.0–.83 10.7N–.20 41.4W–.10 10 4.0b 15 36-87
ISCJB XI 13 22 24 08.3–.84 10.7N–.20 41.4W–.10 10 4.0b ¶12073460
IDC XI 13 22 24 08.3–.96 10.64N 41.46W 0 4.2,4.0b
NEIC XI 13 22 24 09.7–.75 10.63N 41.44W 10 4.2,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=18.6km az=179.0.
IDC Error ellipse: s-maj=32.4km s-min=21.2km az=178.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=17.1km az=179.0.

IDC XI 14 08 11 05.1–2.6 18.94N 46.28W 0 3.8,3.5
¶12073501

IDC Error ellipse: s-maj=128.4km s-min=28.2km az=15.0.

ISC XI 17 20 30 03.5–.65 17.2N–.10 46.4W–.10 10 4.0b,3.5s 22 19-83
ISCJB XI 17 20 30 01.5–.65 17.2N–.10 46.4W–.10 10 4.0b,3.5s ¶12073903
IDC XI 17 20 30 01.7–.84 17.17N 46.40W 0 4.2,4.0
NEIC XI 17 20 30 03.2–.53 17.15N 46.38W 10 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=16.2km az=19.2.
IDC Error ellipse: s-maj=24.1km s-min=22.1km az=157.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=13.5km az=198.0.

ISC XI 19 15 20 58.0–.14 47.29N–.04 27.47W–.02 10 4.7b,4.7s 737 14-152
IDC XI 19 15 20 55.9–.50 47.29N 27.46W 0 4.6s,4.6 ¶11458376
ISCJB XI 19 15 20 55.9–.14 47.26N–.04 27.51W–.02 10 4.7b,4.7s
MOS XI 19 15 20 55.9–1.1 47.25N 27.51W 10 5.1b,4.8s
BJI XI 19 15 20 56.1 47.50N 27.40W 10 5.3s,5.3b
NEIC XI 19 15 20 58.0–.18 47.37N 27.45W 10 5.0b,5.3b
CSEM XI 19 15 20 58.0–.10 47.41N 27.47W 10 5.2W,5.0b
GCMT XI 19 15 20 59.8–.10 47.14N 27.23W 12 5.2W,5.0b
SZGRF XI 19 15 21 17.6 48.29N 25.41W 33 5.3b,4.8s
ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=11.5km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=1.7km az=11.3.
MOS Error ellipse: s-maj=8.7km s-min=6.7km az=159.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=2.6km az=195.0.
CSEM Event type ke. Error ellipse: s-maj=7.2km s-min=2.5km az=12.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves from 101 sta. Moment Tensor Solution. s61,c97; s99,c188; Moment tensor: Scale 10^{16}Nm; M_{rr}-8.38±.14 $M_{\theta\theta}$-0.29±.15; $M_{\phi\phi}$8.67±.12; $M_{r\theta}$-0.23±.41; $M_{\theta\phi}$-0.99±.11; $M_{\phi r}$0.38±.34; Best double couple: NP1: ϕ_s355.00000°,δ44.00000°,λ-88.00000°. NP2:ϕ_s172.00000°,δ46.00000°,λ-92.00000°. Principal axes: T 8.7900,Plg1.0000°,Azm264.0000°; N -0.4000,Plg1.0000°,Azm174.0000° ; P -8.3900,Plg88.0000°,Azm38.0000° $M_0$8.60000×10^{16}
SZGRF Northern Mid-Atlantic Ridge.

IDC XI 21 06 10 15.2–1.3 45.87N 26.96W 0 4.6L,3.9
¶12074373

IDC Error ellipse: s-maj=95.9km s-min=27.6km az=30.0.

ISC XI 24 21 05 49.2–.57 30.8N–.10 41.73W–.10 10 4.2b,3.8s 40 23-172
ISCJB XI 24 21 05 47.6–.54 30.8N–.10 41.77W–.09 10 4.2b,3.8s ¶12074722
IDC XI 24 21 05 48.0–.77 30.83N 41.74W 0 4.3,4.2
NEIC XI 24 21 05 49.2–.41 30.79N 41.72W 10 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=10.9km az=19.0.
IDC Error ellipse: s-maj=23.4km s-min=16.1km az=9.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.8km az=200.0.

ISC XI 26 02 18 44.2–.52 23.9N–.10 45.47W–.07 10 4.1b,3.6s 48 20-84
ISCJB XI 26 02 18 42.3–.52 23.9N–.10 45.48W–.07 10 4.1b,3.6s ¶12074850
IDC XI 26 02 18 42.5–1.3 23.90N 45.48W 0 4.1,4.0
NEIC XI 26 02 18 43.8–.41 23.86N 45.49W 10 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=8.7km az=177.1.
IDC Error ellipse: s-maj=36.4km s-min=18.1km az=9.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.0km az=177.0.

IDC XI 27 05 41 35.7–3.9 10.74N 40.76W 0 4.3,4.3
¶12075000

IDC Error ellipse: s-maj=114.1km s-min=32.6km az=29.0.

ISC XI 28 09 38 14.6–.24 22.47N–.05 44.96W–.02 10 5.0b,5.0s 689 17-178
SZGRF XI 28 09 38 09.2 22.85N 46.99W 33 5.3b,5.0s ¶11480321
IDC XI 28 09 38 12.1–.50 22.54N 45.08W 0 4.9s,4.9
ISCJB XI 28 09 38 12.6–.24 22.50N–.05 44.99W–.02 10 5.0b,5.0s
MOS XI 28 09 38 12.7–1.0 22.57N 45.02W 10 5.3b,5.1s
GCMT XI 28 09 38 13.7–.30 22.62N 44.95W 12–1 5.2W,5.1s
BJI XI 28 09 38 14.8 22.50N 45.00W 10 5.5b,5.4s
NEIC XI 28 09 38 14.7–.24 22.48N 45.02W 10 5.1b,5.4s
ISC Event type se.
SZGRF Northern Mid-Atlantic Ridge.
IDC Error ellipse: s-maj=16.2km s-min=12.1km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=2.2km az=172.1.
MOS Error ellipse: s-maj=7.4km s-min=5.9km az=150.1.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s30,c31; s88,c142; Moment tensor: Scale 10^{16}Nm; M_{rr}-8.92±.52 $M_{\theta\theta}$1.01±.31; $M_{\phi\phi}$7.92±.36; $M_{r\theta}$1.54±1.06; $M_{\theta\phi}$2.67±.21; $M_{\phi r}$-1.83±.86; Best double couple: NP1:ϕ_s211.00000°,δ42.00000°,λ-72.00000°. NP2:ϕ_s7.00000°,δ50.00000°,λ-106.00000°. Principal axes: T 8.9200,Plg4.0000° ,Azm108.0000°; N 0.5300,Plg12.0000°,Azm17.0000°; P -9.4400,Plg77.0000°,Azm216.0000° $M_0$9.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.4km az=171.0.

ISC XII 01 12 15 56.8–.86 29.2N–.20 45.4W–.10 10 4.0b,3.7s 29 30-91
ISCJB XII 01 12 15 55.0–.86 29.2N–.20 45.4W–.10 10 4.0b,3.7s ¶12075405
IDC XII 01 12 15 55.2–1.1 29.19N 45.40W 0 4.2,4.0
NEIC XII 01 12 15 56.6–.65 29.15N 45.41W 10 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.5km s-min=12.9km az=8.4.
IDC Error ellipse: s-maj=37.3km s-min=16.8km az=8.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=10.0km az=188.0.

ISC XII 07 06 23 10.5–.17 13.38N–.03 44.88W–.02 10 5.3b,5.2s 781 14-173
ISCJB XII 07 06 23 08.7–.17 13.43N–.04 44.87W–.02 10 5.3b,5.2s ¶13402133
IDC XII 07 06 23 08.1–.39 13.37N 44.90W 0 5.1s,5.1
MOS XII 07 06 23 08.7–1.0 13.47N 44.87W 10 5.7b,5.2s
NEIC XII 07 06 23 09.9–.19 13.35N 44.83W 10 5.6b,5.3s
BJI XII 07 06 23 10.2 13.40N 44.90W 10 5.8s,5.7b
GCMT XII 07 06 23 12.8–.10 13.44N 44.83W 12 5.6W,5.7b
SZGRF XII 07 06 23 20.6 13.38N 43.33W 33 5.6b,5.2s
BGS XII 07 06 23 28.4–3.7 15.13N 42.96W 10–0 5.6b,5.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=2.4km az=173.5.
IDC Error ellipse: s-maj=13.6km s-min=10.1km az=158.0.
MOS Error ellipse: s-maj=5.2km s-min=3.8km az=51.8.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=2.7km az=175.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=112, comp=237, per= 50. Moment Tensor Solution. s86,c159; s64,c74; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.37±.03 $M_{\theta\theta}$-0.11±.03; $M_{\phi\phi}$3.48±.03; $M_{r\theta}$-0.32±.08; $M_{\theta\phi}$0.15±.03; $M_{\phi r}$-0.31±.08; Best double couple: NP1:ϕ_s177.00000°,δ43.00000°,λ-98.00000°. NP2:ϕ_s8.00000°,δ48.00000°,λ-83.00000°. Principal axes: T 3.5000,Plg3.0000°,Azm93.0000°; N -0.0900,Plg5.0000°,Azm183.0000° ; P -3.4100,Plg84.0000°,Azm335.0000° $M_0$3.50000×10^{17}
SZGRF Northern Mid-Atlantic Ridge.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

ISC XII 07 06 48 57.9–.26 13.40N–.06 44.80W–.04 10 4.6b,4.4s 237 21-173
ISCJB XII 07 06 48 55.9–.27 13.42N–.06 44.80W–.04 10 4.6b,4.4s ¶11493368
IDC XII 07 06 48 55.6–.44 13.36N 44.82W 0 4.4,4.3
MOS XII 07 06 48 56.0–.86 13.47N 44.81W 10 4.8b,4.3
BJI XII 07 06 48 56.9 13.40N 44.80W 10 5.4b,5.2s
NEIC XII 07 06 48 57.6–.19 13.38N 44.81W 10 4.9b,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.9km az=172.4.
IDC Error ellipse: s-maj=13.8km s-min=12.3km az=152.0.
MOS Error ellipse: s-maj=9.7km s-min=6.5km az=48.2.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.7km az=175.0.

ISC XII 08 01 51 01.4–.17 13.41N–.04 44.82W–.01 10 5.3b,5.1s 1188 16-173
ISCJB XII 08 01 50 59.5–.17 13.46N–.04 44.84W–.01 10 5.3b,5.1s ¶13836976
IDC XII 08 01 50 59.2–.36 13.40N 44.86W 0 4.9s,4.9
MOS XII 08 01 51 00.0–.87 13.61N 44.79W 10 5.7b,5.0s
BGS XII 08 01 51 00.4–3.2 13.42N 44.80W 10–0 5.2b,5.0s
TEH XII 08 01 51 01.0 13.42N 44.81W 10 5.2b,5.0s
NEIC XII 08 01 51 01.0–.16 13.42N 44.80W 10 5.6b,5.5W
BJI XII 08 01 51 02.3 13.40N 44.80W 10 5.7b,5.5s
GCMT XII 08 01 51 05.0–.10 13.51N 44.82W 12 5.5W,5.5s
SZGRF XII 08 01 51 06.2 13.09N 43.90W 33 5.7b,5.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=1.9km az=175.6.
IDC Error ellipse: s-maj=11.8km s-min=10.0km az=152.0.
MOS Error ellipse: s-maj=5.8km s-min=3.7km az=51.8.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.2km az=175.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=212, per= 50. Moment Tensor Solution. s74,c120; s43,c45; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.09±.02 $M_{\theta\theta}$-0.05±.02; $M_{\phi\phi}$2.14±.02; $M_{r\theta}$0.02±.06; $M_{\theta\phi}$-0.09±.02; $M_{\phi r}$-0.12±.06; Best double couple:

NP1:ϕ_s178.00000°,δ43.00000°,λ-90.00000°. NP2:ϕ_s357.00000°,δ47.00000°,λ-90.00000°. Principal axes: T 2.1500,Plg2.0000°,Azm88.0000°; N -0.0500,Plg0.0000°,Azm358.0000° ; P -2.0900,Plg88.0000°,Azm257.0000° $M_0$2.10000×10^{17}

SZGRF Northern Mid-Atlantic Ridge.

ISC XII 19 08 31 52.4–.08 47.01N–.02 27.30W–.01 10 5.6s,5.5b 2200 8-174
BJI XII 19 08 31 49.3 47.33N 27.65W 5 6.0s,5.9b **¶13813945**
IDC XII 19 08 31 50.2–.34 46.98N 27.34W 0 6.0L,5.6s
ISCJB XII 19 08 31 50.5–.08 47.03N–.02 27.35W–.01 10 5.6s,5.5b
MOS XII 19 08 31 51.1–.97 47.03N 27.33W 13 5.8b,5.6s
NEIC XII 19 08 31 51.5–.10 47.01N 27.29W 5 5.9W,5.8W
CSEM XII 19 08 31 52.5–.06 47.11N 27.30W 11 5.9W,5.8b
DJA XII 19 08 31 53 46.89N 27.31W 10 5.5b,5.8b
GCMT XII 19 08 31 55.5–.10 46.92N 27.13W 12 5.9W,5.8b
SFS XII 19 08 32 04.0 46.77N 25.60W 0 5.9L,5.8b
BGS XII 19 08 32 05.7–1.6 47.36N 25.57W 10–0 5.8b,5.3s
SZGRF XII 19 08 32 08.1 47.35N 25.35W 33 5.7b,5.7s
ISC Event type ke.
IDC Error ellipse: s-maj=11.8km s-min=8.8km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=1.1km az=2.6.
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=154.1.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=1.5km az=1.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s0.00000°,δ75.00000° ,λ-90.00000°. NP2:ϕ_s180.00000°,δ15.00000°,λ-90.00000°. Principal axes: T Plg30.0000° ,Azm90.0000°; N Plg0.0000°,Azm0.0000°; P Plg60.0000°,Azm270.0000° Moment Tensor Solution. s108 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.87 $M_{\theta\theta}$-2.38 $M_{\phi\phi}$5.25 $M_{r\theta}$0.50 $M_{\theta\phi}$0.33 $M_{\phi r}$6.36 Best double couple: NP1:ϕ_s185.00000°,δ74.00000°,λ-88.00000°. NP2:ϕ_s357.00000° ,δ16.00000°,λ-98.00000°. Principal axes: T 8.7600,Plg28.0000°,Azm273.0000° ; N -2.3900,Plg2.0000°,Azm4.0000°; P -6.3700,Plg61.0000°,Azm98.0000° $M_0$7.80000×10^{17}
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=1.7km az=2.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=119, comp=273, per= 50. Moment Tensor Solution. s97,c188; s91,c120; Moment tensor: Scale 10^{17}Nm; M_{rr}-7.44±.06 $M_{\theta\theta}$-0.18±.06; $M_{\phi\phi}$7.61±.05; $M_{r\theta}$0.47±.16; $M_{\theta\phi}$0.73±.05; $M_{\phi r}$-0.02±.16; Best double couple: NP1:ϕ_s2.00000°,δ45.00000°,λ-95.00000°. NP2:ϕ_s189.00000°,δ45.00000°,λ-85.00000°. Principal axes: T 7.6800,Plg0.0000°,Azm275.0000°; N -0.2100,Plg4.0000°,Azm5.0000° ; P -7.4700,Plg86.0000°,Azm184.0000° $M_0$7.60000×10^{17}
SFS Event type ke.
BGS Error ellipse: s-maj=58.3km s-min=123.4km az=-1.0.
SZGRF Northern Mid-Atlantic Ridge.

ISC XII 20 02 53 58.6–.70 10.4N–.20 43.1W–.10 10 3.7b,3.6s 15 18-87
ISCJB XII 20 02 53 56.8–.70 10.4N–.20 43.1W–.10 10 3.7b,3.6s **¶12078279**
IDC XII 20 02 53 56.9–1.0 10.37N 43.07W 0 3.9,3.7
NEIC XII 20 02 53 58.4–.62 10.36N 43.07W 10 4.3b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=15.6km az=155.5.
IDC Error ellipse: s-maj=34.6km s-min=22.1km az=177.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=14.0km az=156.0.

ISC XII 28 13 01 23.3–.59 35.2N–.10 35.15W–.09 10 3.9b,3.8s 59 8-85
ISCJB XII 28 13 01 21.3–.59 35.2N–.10 35.18W–.10 10 3.9b,3.8s **¶13404239**
IDC XII 28 13 01 21.6–.77 35.13N 35.15W 0 4.0,3.9
CSEM XII 28 13 01 21.8–.35 35.15N 35.21W 2 5.0W,4.3b
NEIC XII 28 13 01 23.0–.51 35.13N 35.17W 10 4.5b,4.3b
GCMT XII 28 13 01 27.2–.30 35.22N 35.31W 12–1 5.0W,4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=10.9km az=17.5.
IDC Error ellipse: s-maj=20.4km s-min=17.0km az=27.0.
CSEM Event type ke. Error ellipse: s-maj=18.1km s-min=12.5km az=13.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.3km az=195.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s24,c29; s81,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.50±.17 $M_{\theta\theta}$2.39±.17; $M_{\phi\phi}$-0.89±.14; $M_{r\theta}$1.46±.44; $M_{\theta\phi}$3.46±.14; $M_{\phi r}$0.09±.33; Best double couple: NP1:ϕ_s13.00000°,δ65.00000°,λ-172.00000°. NP2:ϕ_s280.00000°,δ82.00000°,λ-25.00000°. Principal axes: T 4.8400,Plg12.0000° ,Azm329.0000°; N -1.4600,Plg64.0000°,Azm84.0000°; P -3.3800,Plg23.0000° ,Azm234.0000° $M_0$4.10000×10^{16}

ISC XII 29 12 54 45.8–1.1 32.2N–.20 40.2W–.10 10 3.8b,3.6s 27 28-87
ISCJB XII 29 12 54 43.9–1.1 32.2N–.20 40.3W–.10 10 3.8b,3.6s **¶12079399**
IDC XII 29 12 54 44.2–1.4 32.20N 40.24W 0 4.0,3.9
NEIC XII 29 12 54 45.5–.77 32.16N 40.24W 10 4.0,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.5km s-min=14.1km az=1.3.
IDC Error ellipse: s-maj=42.4km s-min=18.1km az=1.0.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=10.0km az=181.0.

ISC XII 30 14 57 15.6–.32 14.82N–.06 45.04W–.06 10 4.5b,4.1s 253 22-131
ISCJB XII 30 14 57 13.8–.32 14.86N–.06 45.09W–.06 10 4.5b,4.1s **¶11524530**
IDC XII 30 14 57 13.6–.56 14.87N 45.11W 0 4.3,4.2
BJI XII 30 14 57 13.5 14.90N 44.90W 10 5.3s,5.3b
NEIC XII 30 14 57 15.2–.32 14.84N 45.05W 10 4.8b,5.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.9km az=43.8.
IDC Error ellipse: s-maj=15.9km s-min=15.2km az=80.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.8km az=221.0.

(404) Azores Islands region.

PDA VII 06 00 20 39.5–.65 40.03N 29.15W 5 3.8,2.3L
CSEM VII 06 00 20 39.5 40.03N 29.15W 5 2.3L,2.3L **¶11169643**
PDA Event type ke. Error ellipse: s-maj=13.7km s-min=5.1km az=75.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

PDA VII 13 21 56 00.3–.89 40.10N 29.72W 5 3.7,2.7L
CSEM VII 13 21 56 00.3 40.10N 29.72W 5 2.7L,2.7L **¶11169669**
PDA Event type ke. Error ellipse: s-maj=22.2km s-min=6.7km az=68.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

PDA VII 14 21 27 18.7–.91 37.57N 24.80W 5 3.8,3.2L
CSEM VII 14 21 27 18.7 37.57N 24.80W 5 3.2L,3.2L **¶11169672**
PDA Event type ke. Error ellipse: s-maj=8.4km s-min=2.0km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

ISC VII 17 01 11 30.0–1.5 42.48N–.03 30.51W–.02 3–9 4.5b,3.9s 798 4-157
BJI VII 17 01 11 27.6 42.44N 30.84W 13 5.3b,5.0s **¶11153442**
ISCJB VII 17 01 11 29.2–.13 42.48N–.03 30.55W–.02 10 4.5b,3.9s
IDC VII 17 01 11 29.3–.66 42.45N 30.47W 0 4.3,4.2
CSEM VII 17 01 11 29.4–.09 42.40N 30.53W 2 4.8W,4.6b
NEIC VII 17 01 11 30.8–.17 42.39N 30.52W 10 4.6b,4.3L
IGIL VII 17 01 11 32.3 42.23N 30.43W 10 4.8b,4.3L
MOS VII 17 01 11 32.7–.81 42.50N 30.48W 33 4.8b,4.3L
GCMT VII 17 01 11 34.0–.40 42.45N 30.56W 23–1 4.8W,4.3L
SZGRF VII 17 01 11 40.1 41.96N 29.08W 33 4.7b,3.7s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=1.7km az=5.4.
IDC Error ellipse: s-maj=19.1km s-min=12.1km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=11.0.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.6km az=186.0.
MOS Error ellipse: s-maj=8.2km s-min=3.7km az=150.1.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s17,c20; s62,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.56±.14 $M_{\theta\theta}$2.43±.11; $M_{\phi\phi}$-1.87±.09; $M_{r\theta}$-0.21±.14; $M_{\theta\phi}$0.35±.07; $M_{\phi r}$-0.44±.15; Best double couple: NP1:ϕ_s310.00000°,δ75.00000°,λ-8.00000°. NP2:ϕ_s42.00000°,δ82.00000°,λ-165.00000°. Principal axes: T 2.4800,Plg5.0000° ,Azm175.0000°; N -0.4600,Plg73.0000°,Azm70.0000°; P -2.0200,Plg16.0000° ,Azm266.0000° $M_0$2.30000×10^{16}
SZGRF Azores Islands region.

PDA VII 18 03 04 29.6–.81 36.72N 24.17W 5 4.1,2.9L
CSEM VII 18 03 04 29.6 36.72N 24.17W 5 2.9L,2.9L **¶11169680**
PDA Event type ke. Error ellipse: s-maj=6.9km s-min=4.2km az=49.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

ISC VII 29 15 15 44.3–.98 37.8N–.20 32.2W–.20 10 3.6b,3.3s 15 22-77
ISCJB VII 29 15 15 42.3–.98 37.8N–.20 32.2W–.20 10 3.6b,3.3s **¶11812852**
IDC VII 29 15 15 42.3–1.2 37.72N 32.16W 0 3.9,3.6
CSEM VII 29 15 15 43.9 37.72N 32.17W 10 3.9,3.6
NEIC VII 29 15 15 43.9–.80 37.72N 32.17W 10 3.9,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.9km s-min=19.5km az=176.0.
IDC Error ellipse: s-maj=34.8km s-min=26.6km az=162.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=15.8km az=175.0.

PDA VIII 02 19 47 32.4–.69 37.54N 24.92W 11–6 3.7,2.5L
CSEM VIII 02 19 47 32.4 37.54N 24.92W 11 2.5L,2.5L **¶11310531**
PDA Event type ke. Error ellipse: s-maj=8.4km s-min=2.3km az=65.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

PDA VIII 07 07 15 55.0–.70 37.51N 24.72W 5 3.9,2.5L
CSEM VIII 07 07 15 55.0 37.51N 24.72W 5 2.5L,2.5L **¶11310557**
PDA Event type ke. Error ellipse: s-maj=5.1km s-min=1.6km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

ISC VIII 18 21 11 24.1–2.8 42.61N–.03 27.71W–.09 26–19 4.1b,3.4s 119 4-86
IDC VIII 18 21 11 19.9–.84 42.71N 27.85W 0 4.9L,4.0 **¶11310590**
NEIC VIII 18 21 11 21.3–.60 42.67N 27.77W 10 4.3b,4.0
PDA VIII 18 21 11 22.4–1.3 42.85N 27.77W 0 4.4L,4.0
ISCJB VIII 18 21 11 23.0–2.8 42.58N–.03 27.69W–.09 32–20 4.1b,3.4s
CSEM VIII 18 21 11 24.4–.27 42.63N 27.69W 30 4.3b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=18.6km az=162.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=8.8km az=177.0.
PDA Event type ke. Error ellipse: s-maj=16.4km s-min=7.6km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=4.2km az=19.2.
CSEM Event type ke. Error ellipse: s-maj=10.3km s-min=5.1km az=107.0.

ISC VIII 19 03 03 12.3–1.7 42.61N–.02 27.70W–.06 33–13 4.2b,3.4s 219 4-156
IDC VIII 19 03 03 07.9–.72 42.80N 27.76W 0 4.1,4.0 **¶11265201**
NEIC VIII 19 03 03 09.2–.35 42.74N 27.73W 10 4.5b,4.0
PDA VIII 19 03 03 11.3–.69 42.77N 27.69W 0 4.4L,4.2
CSEM VIII 19 03 03 11.7–.16 42.63N 27.70W 30 4.4b,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=15.7km az=178.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.1km az=179.0.
PDA Event type ke. Error ellipse: s-maj=5.3km s-min=3.0km az=105.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=3.7km az=110.0.

ISC VIII 19 21 20 49.0–.26 42.64N–.02 27.79W–.04 10 4.4b,3.7s 288 4-92
ISCJB VIII 19 21 20 47.0–.26 42.65N–.02 27.82W–.04 10 4.4b,3.7s **¶11265213**
IDC VIII 19 21 20 47.9–1.1 42.78N 27.82W 0 5.2L,4.0
NEIC VIII 19 21 20 49.1–.24 42.75N 27.79W 10 4.7b,4.4L
CSEM VIII 19 21 20 50.4–.14 42.69N 27.78W 20 4.7b,3.8s
PDA VIII 19 21 20 53.9–1.2 42.61N 27.54W 0 4.4L,4.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.2km az=21.9.
IDC Error ellipse: s-maj=27.0km s-min=18.0km az=12.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=150.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.3km az=119.0.
PDA Event type ke. Error ellipse: s-maj=11.7km s-min=6.1km az=108.0.

PDA VIII 22 06 17 16.0–.76 36.82N 24.13W 5 4.1,2.6L
CSEM VIII 22 06 17 16.0 36.82N 24.13W 5 2.6L,2.6L **¶11310602**
PDA Event type ke. Error ellipse: s-maj=5.8km s-min=4.7km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

ISC IX 06 21 05 23.8–.47 36.3N–.10 33.79W–.06 10 4.3b,3.8s 47 23-161
BJI IX 06 21 05 18.9 36.42N 34.39W 5 5.6b,5.1b **¶11277449**
ISCJB IX 06 21 05 22.0–.47 36.3N–.10 33.87W–.06 10 4.3b,3.8s
IDC IX 06 21 05 22.0–.66 36.27N 33.85W 0 4.2,4.0
NEIC IX 06 21 05 23.7–.34 36.25N 33.81W 10 4.7b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=7.5km az=2.6.
IDC Error ellipse: s-maj=20.8km s-min=14.6km az=5.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.5km az=184.0.

IDC X 04 08 55 30.1–1.3 36.46N 33.74W 0 3.9,3.6b
¶12065888
IDC Error ellipse: s-maj=40.4km s-min=21.2km az=146.0.

ISC X 25 17 30 24.1–3.3 41.33N–.08 29.1W–.10 14–21 3.8b,3.5s 12 3-73
ISCJB X 25 17 30 23.6–3.3 41.36N–.09 29.0W–.10 25–25 3.8b,3.5s **¶12071091**
IDC X 25 17 30 23.0–1.6 41.65N 29.37W 0 4.1,3.8
ISCJB Error ellipse: s-maj=20.3km s-min=10.2km az=144.4.
IDC Error ellipse: s-maj=52.7km s-min=36.5km az=150.0.

PDA XI 02 00 58 25.6–1.1 37.60N 24.91W 5–7 3.7,2.6L
CSEM XI 02 00 58 25.6 37.60N 24.91W 5 2.6L,2.6L **¶11514746**
PDA Event type ke. Error ellipse: s-maj=14.2km s-min=2.3km az=66.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

PDA XI 03 02 45 12.4–1.1 37.39N 24.73W 5 3.8,3.2L
CSEM XI 03 02 45 12.4 37.39N 24.73W 5 3.2L,3.2L **¶11514749**
PDA Event type ke. Error ellipse: s-maj=7.9km s-min=2.4km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

PDA XI 04 19 04 00.5–1.2 37.22N 24.54W 5 4.1,3.4L
INMG XI 04 19 03 46.0 37.20N 24.53W 15 4.1,3.4L **¶11514755**
CSEM XI 04 19 04 00.5 37.22N 24.54W 5 3.4L,3.4L
PDA Event type ke. Error ellipse: s-maj=7.4km s-min=3.8km az=92.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

PDA XI 09 00 39 29.4–.84 37.31N 24.68W 5 3.7,1.7L
CSEM XI 09 00 39 29.4 37.31N 24.68W 5 1.7L,1.7L **¶11514766**
PDA Event type ke. Error ellipse: s-maj=8.1km s-min=2.1km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

IDC XII 03 10 10 54.8–1.0 37.02N 32.40W 0 4.2,3.9
¶12075599
IDC Error ellipse: s-maj=35.3km s-min=16.2km az=2.0.

IDC XII 11 20 54 53.8–1.1 42.21N 29.34W 0 4.4L,3.9
¶12076993
IDC Error ellipse: s-maj=35.6km s-min=20.3km az=12.0.

PDA XII 15 03 46 37.7–.99 36.86N 24.37W 5 3.9,2.9L
CSEM XII 15 03 46 37.7 36.86N 24.37W 5 2.9L,2.9L **¶12077531**
PDA Event type ke. Error ellipse: s-maj=6.3km s-min=5.1km az=73.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

PDA XII 22 02 28 22.7–.81 37.54N 24.78W 0 3.7,2.0L
CSEM XII 22 02 28 22.7 37.54N 24.78W 0 2.0L,2.0L **¶11657090**
PDA Event type ke. Error ellipse: s-maj=9.5km s-min=2.1km az=75.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

ISC XII 27 00 32 05.6–.52 37.6N–.10 31.8W–.10 10 4.1b,3.9s 47 22-162
ISCJB XII 27 00 32 03.5–.52 37.6N–.10 31.8W–.10 10 4.1b,3.9s **¶12079113**
IDC XII 27 00 32 04.0–.66 37.58N 31.78W 0 4.1,3.9
NEIC XII 27 00 32 05.4–.34 37.55N 31.81W 10 4.8b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=10.1km az=154.8.
IDC Error ellipse: s-maj=20.8km s-min=16.4km az=168.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.8km az=155.0.

ISC XII 27 00 54 03.4–.69 37.6N–.10 31.8W–.10 10 4.0s,3.8b 30 5-161
ISCJB XII 27 00 54 01.4–.69 37.6N–.10 31.8W–.10 10 4.0s,3.8b **¶12079117**
IDC XII 27 00 54 01.6–.81 37.60N 31.83W 0 4.0s,4.0
NEIC XII 27 00 54 03.0–.55 37.56N 31.79W 10 4.0s,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=12.2km az=2.9.
IDC Error ellipse: s-maj=26.1km s-min=17.9km az=178.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=9.9km az=182.0.

ISC XII 27 01 13 43.8–.80 37.8N–.20 31.7W–.10 10 3.7b 16 22-64
ISCJB XII 27 01 13 41.6–.79 37.8N–.20 31.7W–.10 10 3.7b **¶12079119**
IDC XII 27 01 13 41.8–1.0 37.73N 31.65W 0 3.8,3.6b
NEIC XII 27 01 13 43.8–.82 37.72N 31.74W 10 4.2b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.0km s-min=16.5km az=176.3.
IDC Error ellipse: s-maj=32.9km s-min=22.5km az=178.0.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=17.3km az=183.0.

ISC XII 27 01 20 14.4–.72 37.4N–.20 31.9W–.10 10 3.8b,3.6s 18 22-159
ISCJB XII 27 01 20 12.3–.72 37.4N–.20 31.9W–.10 10 3.8b,3.6s **¶12079120**
IDC XII 27 01 20 12.7–.97 37.38N 31.83W 0 3.8,3.7s
NEIC XII 27 01 20 14.0–.63 37.37N 31.85W 10 4.2b,3.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=15.1km az=2.0.
IDC Error ellipse: s-maj=31.1km s-min=22.4km az=5.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=13.3km az=180.0.

ISC XII 27 01 21 32.9–.58 37.6N–.10 31.75W–.07 10 4.2b,3.9s 103 22-161
ISCJB XII 27 01 21 30.8–.58 37.6N–.10 31.77W–.07 10 4.2b,3.9s **¶12079121**
IDC XII 27 01 21 31.1–.77 37.59N 31.74W 0 4.2,4.1
NEIC XII 27 01 21 32.6–.30 37.59N 31.76W 10 4.7b,4.1

CSEM XII 27 01 21 32.7–.12 37.64N 31.78W 10 4.6b,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.7km s-min=8.0km az=177.9.
IDC Error ellipse: s-maj=24.8km s-min=16.2km az=171.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.5km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=6.8km s-min=3.3km az=178.0.
ISC XII 27 01 40 17.9–.67 37.7N–.10 31.7W–.10 10 3.8b,3.5s 24 22-161
ISCJB XII 27 01 40 15.9–.67 37.7N–.10 31.8W–.10 10 3.8b,3.5s **¶12079122**
IDC XII 27 01 40 16.2–.89 37.65N 31.77W 0 4.0,3.8
NEIC XII 27 01 40 17.6–.45 37.64N 31.77W 10 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=13.9km az=17.0.
IDC Error ellipse: s-maj=27.9km s-min=20.8km az=12.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=9.5km az=195.0.
PDA XII 30 23 32 50.5–1.1 37.38N 24.71W 5 3.8,3.4L
CSEM XII 30 23 32 50.5 37.38N 24.71W 5 3.4L,3.4L **¶11656076**
PDA Event type ke. Error ellipse: s-maj=7.3km s-min=2.4km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

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PDA VII 03 12 26 39.4–.79 38.89N 29.46W 5–400 3.6,2.8L
CSEM VII 03 12 26 39.4 38.89N 29.46W 5 2.8L,2.8L **¶11169637**
PDA Event type ke. Error ellipse: s-maj=380.3km s-min=10.1km az=106.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VII 07 19 22 44.9–.86 39.60N 29.53W 5 3.7,3.4L
CSEM VII 07 19 22 44.9 39.60N 29.53W 5 3.4L,3.4L **¶11169646**
PDA Event type ke. Error ellipse: s-maj=12.6km s-min=5.3km az=61.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VII 07 19 33 47.7–.71 39.61N 29.55W 5 3.7,3.1L
CSEM VII 07 19 33 47.7 39.61N 29.55W 5 3.1L,3.1L **¶11169647**
PDA Event type ke. Error ellipse: s-maj=16.3km s-min=5.6km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VII 07 20 59 33.7–.81 39.21N 29.85W 0 3.5,3.1L
CSEM VII 07 20 59 33.7 39.21N 29.85W 0 3.1L,3.1L **¶11169649**
PDA Event type ke. Error ellipse: s-maj=16.3km s-min=5.9km az=40.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VII 17 08 51 21.1–.97 39.43N 29.71W 0 3.6L,3.5
CSEM VII 17 08 51 21.1 39.43N 29.71W 0 3.6L,3.5 **¶11169677**
PDA Event type ke. Error ellipse: s-maj=18.8km s-min=7.2km az=56.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VII 23 22 56 35.4–1.4 38.39N 26.98W 6–10 3.5,2.5L
CSEM VII 23 22 56 35.4 38.39N 26.98W 6 2.5L,2.5L **¶11169696**
PDA Event type ke. Error ellipse: s-maj=6.1km s-min=5.6km az=38.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VII 30 21 23 53.3–.65 38.04N 26.27W 0–3 3.7,2.3L
CSEM VII 30 21 23 53.3 38.04N 26.27W 0 2.3L,2.3L **¶11169728**
PDA Event type ke. Error ellipse: s-maj=5.4km s-min=1.6km az=43.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VII 31 21 02 39.1–1.1 38.08N 26.24W 0–6 3.8,2.4L
CSEM VII 31 21 02 39.1 38.08N 26.24W 0 2.4L,2.4L **¶11169736**
PDA Event type ke. Error ellipse: s-maj=9.4km s-min=2.0km az=39.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VIII 03 06 44 58.9–.86 38.09N 26.19W 10–5 3.6,2.3L
CSEM VIII 03 06 44 58.9 38.09N 26.19W 10 2.3L,2.3L **¶11310534**
PDA Event type ke. Error ellipse: s-maj=5.7km s-min=2.5km az=37.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VIII 04 14 16 17.3–.79 38.35N 26.66W 7–6 3.5,2.9L
CSEM VIII 04 14 16 17.3 38.35N 26.66W 7 2.9L,2.9L **¶11310539**
PDA Event type ke. Error ellipse: s-maj=6.1km s-min=3.0km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VIII 06 14 05 22.0–.89 38.88N 28.90W 8–9 3.8L,3.7
CSEM VIII 06 14 05 22.0 38.88N 28.90W 8 3.8L,3.7 **¶11310549**
PDA Event type ke. Error ellipse: s-maj=10.3km s-min=4.5km az=74.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VIII 11 14 28 59.0–.70 37.93N 26.16W 13–8 3.5,2.6L
CSEM VIII 11 14 28 59.0 37.93N 26.16W 13 2.6L,2.6L **¶11310567**
PDA Event type ke. Error ellipse: s-maj=4.2km s-min=1.1km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VIII 22 21 40 31.6–.74 37.83N 26.08W 4–3 3.8,2.6L
CSEM VIII 22 21 40 31.6 37.83N 26.08W 4 2.6L,2.6L **¶11310606**
PDA Event type ke. Error ellipse: s-maj=3.3km s-min=1.6km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VIII 30 16 49 20.1–.47 39.02N 29.14W 0–12 2.2L
CSEM VIII 30 16 49 20.1 39.02N 29.14W 0 2.2L **¶11310410**
PDA Event type ke. Error ellipse: s-maj=16.6km s-min=5.0km az=102.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VIII 30 16 49 56.5–.78 39.00N 29.13W 0 3.6,3.0L
CSEM VIII 30 16 49 56.5 39.00N 29.13W 0 3.0L,3.0L **¶14711518**
PDA Event type ke. Error ellipse: s-maj=8.0km s-min=4.0km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VIII 30 19 24 18.7–.58 39.01N 29.10W 0–12 3.5L,3.4
CSEM VIII 30 19 24 18.7 39.01N 29.10W 0 3.5L,3.4 **¶11310414**
PDA Event type ke. Error ellipse: s-maj=17.2km s-min=2.7km az=105.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA VIII 30 20 18 08.7–.67 39.04N 29.14W 3–10 3.6,3.1L
CSEM VIII 30 20 18 08.7 39.04N 29.14W 3 3.1L,3.1L **¶11310416**
PDA Event type ke. Error ellipse: s-maj=10.7km s-min=3.6km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC IX 04 05 13 19.3–1.2 38.37N–.06 30.00W–.04 13–7 4.0s,3.9b 98 1-89
IDC IX 04 05 13 17.2–.66 38.46N 30.34W 0 4.0s,4.0 **¶11382401**
ISCJB IX 04 05 13 18.5–1.2 38.25N–.06 30.07W–.04 23–7 4.0s,3.9b
PDA IX 04 05 13 18.7–1.1 38.43N 30.39W 10 4.2,4.1L
CSEM IX 04 05 13 18.6–.25 38.32N 30.01W 10 4.1L,4.1L
NEIC IX 04 05 13 18.8–.55 38.42N 30.30W 10 4.6b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=14.8km az=5.0.
ISCJB Event type ke. Error ellipse: s-maj=10.5km s-min=5.3km az=7.3.
PDA Event type ke. Error ellipse: s-maj=7.6km s-min=5.7km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=10.2km s-min=4.6km az=5.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.0km az=194.0.
PDA IX 04 05 53 02.9–1.1 38.67N 30.36W 5 3.5,2.6L
CSEM IX 04 05 53 02.9 38.67N 30.36W 5 2.6L,2.6L **¶11382402**
PDA Event type ke. Error ellipse: s-maj=39.1km s-min=11.1km az=5.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 04 07 02 18.8–1.0 38.54N 30.28W 10 3.6,2.8L
CSEM IX 04 07 02 18.8 38.54N 30.28W 10 2.8L,2.8L **¶11382403**
PDA Event type ke. Error ellipse: s-maj=27.8km s-min=8.0km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 04 17 59 43.8–1.0 39.10N 28.84W 15 3.5,2.7L
CSEM IX 04 17 59 43.8 39.10N 28.84W 15 2.7L,2.7L **¶11382414**
PDA Event type ke. Error ellipse: s-maj=11.0km s-min=8.3km az=74.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 04 20 56 46.5–.98 39.01N 29.11W 0 3.6,3.1L
CSEM IX 04 20 56 46.5 39.01N 29.11W 0 3.1L,3.1L **¶11382417**
PDA Event type ke. Error ellipse: s-maj=6.1km s-min=4.0km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC IX 08 03 53 01.4–.15 38.29N–.03 29.70W–.02 10 4.5b 509 1-160
INMG IX 08 03 52 51.5 37.38N 30.94W 0 4.6b **¶11245855**
ISCJB IX 08 03 52 59.4–.16 38.27N–.04 29.75W–.02 10 4.5b
IDC IX 08 03 52 59.9–.51 38.41N 29.87W 0 4.3,4.2
CSEM IX 08 03 53 00.0–.13 38.32N 29.75W 2 4.6b,4.2
NEIC IX 08 03 53 01.4–.21 38.29N 29.79W 10 4.6b,4.2
PDA IX 08 03 53 02.5–1.2 38.47N 29.87W 10 4.5L,4.1
BGS IX 08 03 53 03.8–2.3 38.29N 29.19W 10–0 4.6b,4.1
SZGRF IX 08 03 53 18.3 39.21N 28.33W 33 5.0b,4.8s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=1.7km az=177.9.
IDC Error ellipse: s-maj=15.3km s-min=12.5km az=164.0.
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.2km az=179.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.3km az=2.0.
PDA Event type ke. Error ellipse: s-maj=9.5km s-min=6.2km az=175.0.
BGS Error ellipse: s-maj=230.1km s-min=82.4km az=-1.0.
SZGRF Azores Islands, Portugal.
PDA IX 08 10 15 22.2–.50 37.81N 25.44W 0–1 3.6,1.8L
CSEM IX 08 10 15 22.2 37.81N 25.44W 0 1.8L,1.8L **¶11382509**
PDA Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=19.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 08 18 26 21.4–.84 38.77N 29.82W 5 3.5L,3.4
CSEM IX 08 18 26 21.4 38.77N 29.82W 5 3.5L,3.4 **¶11382519**
PDA Event type ke. Error ellipse: s-maj=15.7km s-min=6.9km az=16.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 09 13 07 57.2–1.3 38.55N 29.84W 5 3.6,2.6L
CSEM IX 09 13 07 57.2 38.55N 29.84W 5 2.6L,2.6L **¶11382544**
PDA Event type ke. Error ellipse: s-maj=39.8km s-min=11.6km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 09 22 51 44.3–.61 38.46N 29.90W 15 3.5,3.4L
CSEM IX 09 22 51 44.3 38.46N 29.90W 15 3.4L,3.4L **¶11382556**
PDA Event type ke. Error ellipse: s-maj=13.2km s-min=4.2km az=165.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 10 02 48 15.4–.57 38.50N 29.84W 5 3.5,2.9L
CSEM IX 10 02 48 15.4 38.50N 29.84W 5 2.9L,2.9L **¶11382560**
PDA Event type ke. Error ellipse: s-maj=13.7km s-min=5.7km az=174.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 10 21 09 45.6–.90 38.77N 30.12W 10 3.5,3.0L
CSEM IX 10 21 09 45.6 38.77N 30.12W 10 3.0L,3.0L **¶11382579**
PDA Event type ke. Error ellipse: s-maj=21.2km s-min=8.4km az=12.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 11 19 50 54.5–1.4 38.50N 30.78W 5 3.6,3.0L
CSEM IX 11 19 50 54.5 38.50N 30.78W 5 3.0L,3.0L **¶11382606**
PDA Event type ke. Error ellipse: s-maj=58.2km s-min=15.0km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 13 03 01 53.3–.83 38.59N 29.81W 5 3.5,2.7L
CSEM IX 13 03 01 53.3 38.59N 29.81W 5 2.7L,2.7L **¶11382650**
PDA Event type ke. Error ellipse: s-maj=17.4km s-min=8.0km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 20 07 32 05.1–.94 38.20N 26.31W 10–11 3.5,2.4L
CSEM IX 20 07 32 05.1 38.20N 26.31W 10 2.4L,2.4L **¶11382860**
PDA Event type ke. Error ellipse: s-maj=6.9km s-min=5.1km az=37.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 20 08 06 11.0–.89 38.17N 26.35W 0–3 3.7,2.7L
CSEM IX 20 08 06 11.0 38.17N 26.35W 0 2.7L,2.7L **¶11382862**
PDA Event type ke. Error ellipse: s-maj=6.7km s-min=1.3km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 21 12 05 49.3–.41 37.50N 25.12W 2–3 3.5,2.2L
CSEM IX 21 12 05 49.3 37.50N 25.12W 2 2.2L,2.2L **¶11382897**
PDA Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=75.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 23 23 28 27.1–.75 38.44N 30.32W 5 3.6,3.2L
CSEM IX 23 23 28 27.1 38.44N 30.32W 5 3.2L,3.2L **¶11382954**
PDA Event type ke. Error ellipse: s-maj=19.3km s-min=5.8km az=173.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA IX 24 21 43 49.8–.88 37.94N 26.10W 1–5 3.7,2.0L
CSEM IX 24 21 43 49.8 37.94N 26.10W 1 2.0L,2.0L **¶11382984**
PDA Event type ke. Error ellipse: s-maj=12.0km s-min=1.6km az=24.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC IX 25 06 54 30.3–.89 38.23N–.06 29.98W–.03 7–4 4.4b,3.7s 201 1-160
BJI IX 25 06 54 27.1 38.40N 30.20W 10 5.3b,5.1b **¶13395146**
IDC IX 25 06 54 28.4–.56 38.39N 30.39W 0 4.4,4.2
CSEM IX 25 06 54 30.7–.20 38.26N 30.01W 10 4.6b,3.2s
INMG IX 25 06 54 31.0 38.30N 30.20W 5 4.1L,3.2s
NEIC IX 25 06 54 31.1–.37 38.43N 30.25W 10 4.6b,4.1L
PDA IX 25 06 54 31.1–1.1 38.32N 30.27W 5 4.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=12.6km az=154.0.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=4.3km az=2.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.1km az=175.0.
PDA Event type ke. Error ellipse: s-maj=6.7km s-min=6.1km az=165.0.
PDA IX 29 09 05 38.0–.84 38.42N 29.78W 10 3.5,2.7L
CSEM IX 29 09 05 38.0 38.42N 29.78W 10 2.7L,2.7L **¶11383136**
PDA Event type ke. Error ellipse: s-maj=21.7km s-min=7.3km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 03 12 34 39.7–.59 39.22N 29.98W 10 3.7,2.6L
CSEM X 03 12 34 39.7 39.22N 29.98W 10 2.6L,2.6L **¶12612034**
PDA Event type ke. Error ellipse: s-maj=15.6km s-min=5.6km az=34.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 03 21 42 38.6–.69 39.26N 29.87W 5 3.7,2.8L
CSEM X 03 21 42 38.6 39.26N 29.87W 5 2.8L,2.8L **¶12065826**
PDA Event type ke. Error ellipse: s-maj=14.1km s-min=4.6km az=41.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 03 22 45 55.0–.95 39.45N 29.95W 5 3.7,3.2L
CSEM X 03 22 45 55.0 39.45N 29.95W 5 3.2L,3.2L **¶12065832**
PDA Event type ke. Error ellipse: s-maj=22.5km s-min=7.3km az=49.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC X 03 23 33 10.3–1.3 39.0N–.20 29.8W–.10 17–6 3.8b,3.8s 40 1-85
IDC X 03 23 33 09.6–1.2 39.77N 30.38W 0 3.8,3.7s **¶12065843**
ISCJB X 03 23 33 10.2–1.7 39.1N–.20 29.9W–.10 27–12 3.8b,3.8s
PDA X 03 23 33 10.3–1.2 39.38N 29.93W 5 3.9L,3.7
CSEM X 03 23 33 10.3 39.38N 29.93W 5 3.9L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=46.5km s-min=11.4km az=155.0.
ISCJB Event type ke. Error ellipse: s-maj=31.0km s-min=7.8km az=32.9.
PDA Event type ke. Error ellipse: s-maj=20.9km s-min=6.9km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC X 04 00 01 41.1–2.6 39.2N–.10 29.8W–.10 8–18 3.9b,3.2s 68 1-159
ISCJB X 04 00 01 39.3–2.2 39.30N–.10 29.8W–.10 5–15 3.9b,3.2s **¶12065850**
IDC X 04 00 01 40.4–1.8 39.49N 30.21W 0 3.9,3.8
CSEM X 04 00 01 40.1–.40 39.16N 29.85W 5 4.1b,3.8
PDA X 04 00 01 41.2–.63 39.46N 29.94W 5 3.6,3.5L
NEIC X 04 00 01 42.7–1.2 39.63N 30.03W 10 4.2b,3.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=21.1km s-min=5.5km az=42.3.
IDC Error ellipse: s-maj=65.6km s-min=13.3km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=19.6km s-min=5.3km az=39.0.
PDA Event type ke. Error ellipse: s-maj=7.8km s-min=4.1km az=48.0.
NEIC Event type se. Error ellipse: s-maj=40.7km s-min=12.6km az=179.0.
PDA X 04 00 16 09.5–.85 39.53N 29.74W 5 3.6,3.0L
CSEM X 04 00 16 09.5 39.53N 29.74W 5 3.0L,3.0L **¶12065853**
PDA Event type ke. Error ellipse: s-maj=14.4km s-min=5.7km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 04 00 32 17.9–.86 39.44N 29.93W 5 3.6,2.7L
CSEM X 04 00 32 17.9 39.44N 29.93W 5 2.7L,2.7L **¶12065855**
PDA Event type ke. Error ellipse: s-maj=15.6km s-min=5.6km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 04 00 43 14.4–1.0 39.36N 29.91W 5 3.5,3.0L
CSEM X 04 00 43 14.4 39.36N 29.91W 5 3.0L,3.0L **¶12612036**
PDA Event type ke. Error ellipse: s-maj=17.4km s-min=6.4km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 04 00 44 32.9–1.1 39.45N 29.71W 5 3.6,3.1L
CSEM X 04 00 44 32.9 39.45N 29.71W 5 3.1L,3.1L **¶12065859**
PDA Event type ke. Error ellipse: s-maj=16.7km s-min=6.6km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC X 04 00 58 04.8–1.8 39.16N–.08 29.72W–.09 13–12 4.1b,3.5s 136 1-159
IDC X 04 00 58 02.4–.92 39.43N 30.18W 0 4.1,4.0 **¶15075988**
NEIC X 04 00 58 04.4–.63 39.31N 29.87W 10 4.3b,4.0
PDA X 04 00 58 04.9–.93 39.38N 29.88W 5 3.9L,3.7
CSEM X 04 00 58 04.5–.36 39.20N 29.68W 10 4.4b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=31.2km s-min=11.5km az=174.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.4km az=198.0.
PDA Event type ke. Error ellipse: s-maj=10.4km s-min=5.2km az=48.0.
CSEM Event type ke. Error ellipse: s-maj=14.2km s-min=4.3km az=51.0.
PDA X 04 01 12 46.9–.92 39.32N 29.74W 5 3.5,2.5L

CSEM X 04 01 12 46.9 39.32N 29.74W 5 2.5L,2.5L **¶12065862**
PDA Event type ke. Error ellipse: s-maj=16.2km s-min=7.9km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 04 01 20 52.4–.74 39.49N 29.91W 5 3.5,2.4L
CSEM X 04 01 20 52.4 39.49N 29.91W 5 2.4L,2.4L **¶12065863**
PDA Event type ke. Error ellipse: s-maj=17.0km s-min=5.5km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 04 01 32 57.7–.99 39.49N 29.83W 5 3.7,2.5L
CSEM X 04 01 32 57.7 39.49N 29.83W 5 2.5L,2.5L **¶12065865**
PDA Event type ke. Error ellipse: s-maj=19.1km s-min=6.9km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 04 02 42 08.8–.99 39.36N 30.02W 5 3.5,2.2L
CSEM X 04 02 42 08.8 39.36N 30.02W 5 2.2L,2.2L **¶12065874**
PDA Event type ke. Error ellipse: s-maj=24.9km s-min=7.5km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 04 02 47 44.2–1.1 39.29N 29.95W 5 3.6,2.2L
CSEM X 04 02 47 44.2 39.29N 29.95W 5 2.2L,2.2L **¶12065875**
PDA Event type ke. Error ellipse: s-maj=22.6km s-min=11.6km az=38.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 04 03 03 49.0–.77 39.34N 29.89W 10 3.5,2.5L
CSEM X 04 03 03 49.0 39.34N 29.89W 10 2.5L,2.5L **¶12065877**
PDA Event type ke. Error ellipse: s-maj=14.1km s-min=6.1km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 05 01 52 38.8–.99 39.40N 29.73W 5 3.6,3.1L
CSEM X 05 01 52 38.8 39.40N 29.73W 5 3.1L,3.1L **¶12065957**
PDA Event type ke. Error ellipse: s-maj=19.7km s-min=7.2km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 05 02 02 47.9–1.1 39.42N 29.92W 5 3.5,2.6L
CSEM X 05 02 02 47.9 39.42N 29.92W 5 2.6L,2.6L **¶12065958**
PDA Event type ke. Error ellipse: s-maj=21.3km s-min=9.2km az=50.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 05 02 47 06.7–.72 39.32N 29.89W 5 3.5,3.3L
CSEM X 05 02 47 06.7 39.32N 29.89W 5 3.3L,3.3L **¶12065963**
PDA Event type ke. Error ellipse: s-maj=8.6km s-min=4.7km az=43.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 05 03 08 31.4–.82 39.39N 29.82W 5 3.6,2.7L
CSEM X 05 03 08 31.4 39.39N 29.82W 5 2.7L,2.7L **¶12065966**
PDA Event type ke. Error ellipse: s-maj=15.7km s-min=6.0km az=40.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 05 03 09 48.3–.86 39.39N 29.77W 5 3.6,3.1L
CSEM X 05 03 09 48.3 39.39N 29.77W 5 3.1L,3.1L **¶12612037**
PDA Event type ke. Error ellipse: s-maj=17.6km s-min=6.4km az=51.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 05 03 59 42.0–.86 39.31N 29.83W 0 3.5,2.6L
CSEM X 05 03 59 42.0 39.31N 29.83W 0 2.6L,2.6L **¶12065968**
PDA Event type ke. Error ellipse: s-maj=15.4km s-min=6.5km az=42.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 05 05 31 18.6–.87 39.37N 29.79W 5 3.5,3.2L
CSEM X 05 05 31 18.6 39.37N 29.79W 5 3.2L,3.2L **¶12065972**
PDA Event type ke. Error ellipse: s-maj=9.8km s-min=5.6km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 05 15 47 53.4–.98 39.38N 29.86W 5 3.5,3.2L
CSEM X 05 15 47 53.4 39.38N 29.86W 5 3.2L,3.2L **¶12612038**
PDA Event type ke. Error ellipse: s-maj=16.5km s-min=6.3km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 05 16 47 05.1–1.0 39.31N 29.77W 15 3.5,2.7L
CSEM X 05 16 47 05.1 39.31N 29.77W 15 2.7L,2.7L **¶12066030**
PDA Event type ke. Error ellipse: s-maj=17.0km s-min=7.6km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 05 17 30 30.3–.77 39.28N 29.67W 10 3.6,2.8L
CSEM X 05 17 30 30.3 39.28N 29.67W 10 2.8L,2.8L **¶12066039**
PDA Event type ke. Error ellipse: s-maj=12.5km s-min=5.9km az=44.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 08 15 20 34.9–1.0 38.76N 29.12W 0–12 3.5,2.7L
CSEM X 08 15 20 34.9 38.76N 29.12W 0 2.7L,2.7L **¶12066339**
PDA Event type ke. Error ellipse: s-maj=19.5km s-min=9.1km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA X 16 08 05 09.0–.95 39.88N 29.40W 5 3.6,3.1L
CSEM X 16 08 05 09.0 39.88N 29.40W 5 3.1L,3.1L **¶12068748**
PDA Event type ke. Error ellipse: s-maj=20.5km s-min=6.8km az=72.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
ISC X 16 08 27 16.1–2.4 39.78N–.06 29.5W–.10 14–15 3.9s,3.8b 57 1-87
IDC X 16 08 27 14.0–.82 39.90N 29.72W 0 4.8L,4.0 **¶12068751**
ISCJB X 16 08 27 15.5–2.4 39.84N–.06 29.6W–.10 22–18 3.9s,3.8b
CSEM X 16 08 27 15.9–.26 39.77N 29.60W 15 3.4L,3.8b
NEIC X 16 08 27 15.6–.59 39.90N 29.64W 10 3.5L,3.8b
PDA X 16 08 27 16.5–1.2 39.93N 29.75W 5 3.4L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=13.2km az=168.0.
ISCJB Event type ke. Error ellipse: s-maj=14.9km s-min=6.6km az=150.3.
CSEM Event type se. Error ellipse: s-maj=12.0km s-min=5.6km az=53.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=9.9km az=199.0.
PDA Event type ke. Error ellipse: s-maj=15.0km s-min=6.7km az=72.0.
PDA X 25 14 53 51.0–1.3 38.95N 29.86W 5 3.5,2.6L
CSEM X 25 14 53 51.0 38.95N 29.86W 5 2.6L,2.6L **¶12071079**
PDA Event type ke. Error ellipse: s-maj=53.9km s-min=13.0km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
CSEM XI 02 06 31 33.2 38.11N 26.32W 2 2.3L
PDA XI 02 06 31 33.2–1.0 38.11N 26.32W 2–4 3.6,2.3L **¶11514747**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA Event type ke. Error ellipse: s-maj=7.6km s-min=1.4km az=33.0.
CSEM XI 05 06 05 08.5 38.05N 26.43W 3 2.2L
PDA XI 05 06 05 08.5–.88 38.05N 26.43W 3–7 3.6,2.2L **¶11514757**
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA Event type ke. Error ellipse: s-maj=7.0km s-min=4.1km az=43.0.
PDA XI 08 02 58 58.2–1.0 38.18N 26.13W 2–5 3.6,2.0L
CSEM XI 08 02 58 58.2 38.18N 26.13W 2 2.0L,2.0L **¶11514763**
PDA Event type ke. Error ellipse: s-maj=8.3km s-min=1.7km az=38.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA XI 10 03 08 40.9–.95 37.98N 26.37W 6–6 3.6,2.8L
CSEM XI 10 03 08 40.9 37.98N 26.37W 6 2.8L,2.8L **¶11514768**
PDA Event type ke. Error ellipse: s-maj=6.3km s-min=3.7km az=37.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA XI 27 06 51 05.6–.57 37.76N 25.33W 0–1 3.6,1.7L
CSEM XI 27 06 51 05.6 37.76N 25.33W 0 1.7L,1.7L **¶12075004**
PDA Event type ke. Error ellipse: s-maj=8.9km s-min=1.0km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA XII 12 01 31 00.4–.47 39.17N 30.09W 10 3.5,3.2L
CSEM XII 12 01 31 00.4 39.17N 30.09W 10 3.2L,3.2L **¶12077038**
PDA Event type ke. Error ellipse: s-maj=64.1km s-min=3.9km az=35.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA XII 12 02 05 52.1–.34 39.79N 29.16W 5 3.5,2.7L
CSEM XII 12 02 05 52.1 39.79N 29.16W 5 2.7L,2.7L **¶12077040**
PDA Event type ke. Error ellipse: s-maj=17.0km s-min=2.9km az=75.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA XII 12 02 18 21.7–.44 39.64N 29.55W 10 3.6,2.9L
CSEM XII 12 02 18 21.7 39.64N 29.55W 10 2.9L,2.9L **¶12077041**
PDA Event type ke. Error ellipse: s-maj=8.0km s-min=3.4km az=55.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA XII 12 03 26 37.5–.32 39.27N 30.10W 5 3.5,2.9L
CSEM XII 12 03 26 37.5 39.27N 30.10W 5 2.9L,2.9L **¶12077050**
PDA Event type ke. Error ellipse: s-maj=9.1km s-min=3.2km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA XII 12 11 34 41.0–.42 39.37N 29.98W 5 3.6,3.1L
CSEM XII 12 11 34 41.0 39.37N 29.98W 5 3.1L,3.1L **¶12077123**
PDA Event type ke. Error ellipse: s-maj=12.2km s-min=3.9km az=40.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA XII 24 13 02 14.4–.67 39.44N 29.74W 5 3.7,3.3L
CSEM XII 24 13 02 14.4 39.44N 29.74W 5 3.3L,3.3L **¶11657140**
PDA Event type ke. Error ellipse: s-maj=11.4km s-min=5.1km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

PDA XII 24 13 06 35.8–.72 39.42N 29.78W 5 3.6,2.8L
CSEM XII 24 13 06 35.8 39.42N 29.78W 5 2.8L,2.8L **¶11657142**
PDA Event type ke. Error ellipse: s-maj=13.0km s-min=5.9km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA XII 24 23 16 12.5–.40 37.79N 25.44W 1–1 3.5,2.3L
CSEM XII 24 23 16 12.5 37.79N 25.44W 1 2.3L,2.3L **¶11657156**
PDA Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=22.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.
PDA XII 26 11 29 25.5–.69 37.79N 25.43W 1–1 3.6,2.4L
CSEM XII 26 11 29 25.5 37.79N 25.43W 1 2.4L,2.4L **¶11657199**
PDA Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=21.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After PDA.

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IDC VII 04 03 26 53.5–1.0 1.10S 23.76W 0 4.0,3.9
¶12697997
IDC Error ellipse: s-maj=75.4km s-min=22.2km az=149.0.
ISC VII 05 18 33 41.8–.74 7.4N–.10 35.0W–.10 10 4.0b,3.4s 9 13-74
ISCJB VII 05 18 33 39.5–.76 7.3N–.10 34.9W–.10 10 4.0b,3.4s **¶11810724**
IDC VII 05 18 33 41.0–1.5 7.39N 35.22W 0 4.2,3.9
NEIC VII 05 18 33 41.6–.77 7.36N 35.01W 10 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=14.4km az=33.7.
IDC Error ellipse: s-maj=55.1km s-min=25.3km az=147.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=14.9km az=127.0.
ISC VII 15 10 53 39.9–.74 0.9N–.30 26.0W–.10 10 4.1b,3.7s 13 22-150
IDC VII 15 10 53 37.6–1.0 0.78N 25.86W 0 4.0,3.8 **¶11811648**
ISCJB VII 15 10 53 38.0–.74 0.9N–.30 25.9W–.10 10 4.1b,3.7s
NEIC VII 15 10 53 39.0–.55 0.71N 25.87W 10 4.1b,3.7s
GCMT VII 15 10 53 43.6–.50 0.89N 26.01W 25–1 4.8W,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=18.9km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=40.5km s-min=12.0km az=163.8.
NEIC Event type se. Error ellipse: s-maj=30.1km s-min=10.9km az=159.0.
GCMT Event type se. Data Used: IU II IC CN G. Moment Tensor Solution. s18,c23; s66,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.30±.12 $M_{\theta\theta}$0.74±.13; $M_{\phi\phi}$-0.44±.12; $M_{r\theta}$-0.30±.22; $M_{\theta\phi}$-2.21±.10; $M_{\phi r}$0.27±.23; Best double couple: NP1:ϕ_s262.00000°,δ83.00000°,λ175.00000°. NP2:ϕ_s353.00000°,δ85.00000°,λ7.00000°. Principal axes: T 2.4900,Plg8.0000° ,Azm218.0000°; N -0.3500,Plg82.0000°,Azm31.0000°; P -2.1400,Plg1.0000°,Azm127.0000° M_o2.30000×10^{16}
ISC VII 27 21 15 42.2–.52 0.25S–.02 18.30W–.02 16–3 5.7b,5.3s 1633 15-157
BGS VII 27 21 15 24.2–1.2 2.58S 18.39W 10–0 5.7b,5.6b **¶12951679**
ISCJB VII 27 21 15 38.1–.45 0.21S–.02 18.24W–.02 0–2 5.8b,5.3s
MOS VII 27 21 15 39.7–.90 0.18S 18.23W 10 6.1b,5.3s
IDC VII 27 21 15 40.0–.44 0.15S 18.28W 0 5.4s,5.4
BJI VII 27 21 15 40.4 0.09S 18.51W 22 5.9b,5.8s
NEIC VII 27 21 15 42.4–.12 0.25S 18.29W 17 6.5,5.8b
GCMT VII 27 21 15 47.7–.10 0.01S 18.16W 23–0 5.9W,5.8b
SZGRF VII 27 21 15 54.9 0.83N 16.93W 33 6.0b,5.3s
ISC Event type se.
BGS Error ellipse: s-maj=157.2km s-min=97.6km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.3km az=154.2.
MOS Error ellipse: s-maj=6.4km s-min=2.8km az=67.0.
IDC Error ellipse: s-maj=13.2km s-min=11.5km az=139.0.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=1.9km az=154.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s97 Moment tensor: Scale 10^{17}Nm; M_{rr}0.08 $M_{\theta\theta}$2.40 $M_{\phi\phi}$-2.48 $M_{r\theta}$0.83 $M_{\theta\phi}$-4.75 $M_{\phi r}$-1.54 Best double couple: NP1:ϕ_s167.00000°,δ86.00000°,λ17.00000°. NP2: ϕ_s76.00000°,δ73.00000°,λ176.00000°. Principal axes: T 5.7100,Plg15.0000°,Azm32.0000° ; N -0.1800,Plg72.0000°,Azm179.0000°; P -5.5200,Plg9.0000°,Azm300.0000° M_o5.60000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=237, per= 50. Moment Tensor Solution. s94,c199; s76,c101; Moment tensor: Scale 10^{17}Nm; M_{rr}0.07±.07 $M_{\theta\theta}$3.11±.06; $M_{\phi\phi}$-3.18±.07; $M_{r\theta}$0.77±.11; $M_{\theta\phi}$-7.28±.06; $M_{\phi r}$-0.98±.11; Best double couple: NP1:ϕ_s78.00000°,δ82.00000°,λ176.00000°. NP2:ϕ_s169.00000°,δ86.00000°,λ8.00000°. Principal axes: T 8.0700,Plg8.0000°,Azm34.0000°; N -0.0800,Plg81.0000°,Azm195.0000° ; P -7.9900,Plg3.0000°,Azm303.0000° M_o8.00000×10^{17}
SZGRF North of Ascension Island.
ISC VIII 09 08 29 30.1–.80 0.8S–.10 20.4W–.10 10 4.3b 46 16-145
ISCJB VIII 09 08 29 28.2–.79 0.8S–.10 20.4W–.10 10 4.3b **¶11907984**
IDC VIII 09 08 29 28.5–.89 0.71S 20.42W 0 4.2,4.1b
NEIC VIII 09 08 29 29.4–.48 0.85S 20.53W 10 4.5b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=15.1km az=147.0.
IDC Error ellipse: s-maj=27.8km s-min=21.3km az=135.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.7km az=144.0.
ISC VIII 11 23 38 39.3–.57 0.98S–.03 21.80W–.02 16–3 5.4b,5.2s 1319 15-170
ISCJB VIII 11 23 38 35.5–.50 0.93S–.03 21.73W–.02 2–3 5.4b,5.2s **¶12099881**
IDC VIII 11 23 38 35.5–.40 0.91S 21.99W 0 5.5L,5.2s
SZGRF VIII 11 23 38 35.3 1.91S 21.42W 17 5.5b,5.2s
BJI VIII 11 23 38 37.7 1.85S 21.04W 13 5.7s,5.6b
MOS VIII 11 23 38 37.0–.99 0.87S 21.72W 10 5.6b,5.6b
NEIC VIII 11 23 38 38.3–.17 1.02S 21.84W 13 6.0W,5.9W
GCMT VIII 11 23 38 44.2–.10 0.75S 21.75W 24–0 6.0W,5.9W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=2.4km az=157.4.
IDC Error ellipse: s-maj=13.9km s-min=10.2km az=140.0.
SZGRF Central Mid-Atlantic Ridge.
MOS Error ellipse: s-maj=7.0km s-min=2.9km az=62.5.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=155.0. Moment Tensor Solution. s91 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04 $M_{\theta\theta}$2.87 $M_{\phi\phi}$-2.83 $M_{r\theta}$0.05 $M_{\theta\phi}$-9.05 $M_{\phi r}$-0.61 Best double couple: NP1:ϕ_s351.00000°,δ90.00000°,λ-4.00000°. NP2:ϕ_s81.00000° ,δ86.00000°,λ-180.00000°. Principal axes: T 9.5200,Plg2.0000°,Azm36.0000° ; N -0.0400,Plg86.0000°,Azm166.0000°; P -9.4900,Plg2.0000°,Azm306.0000° M_o9.50000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=111, comp=244, per= 50. Moment Tensor Solution. s100,c211; s86,c131; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.04±.01 $M_{\theta\theta}$0.41±.01; $M_{\phi\phi}$-0.37±.01; $M_{r\theta}$-0.08±.02; $M_{\theta\phi}$-1.25±.01; $M_{\phi r}$0.13±.02; Best double couple: NP1:ϕ_s261.00000°,δ84.00000°,λ178.00000°. NP2:ϕ_s352.00000°,δ88.00000°,λ6.00000°. Principal axes: T 1.3400,Plg6.0000°,Azm217.0000°; N -0.0500,Plg84.0000°,Azm12.0000° ; P -1.2900,Plg3.0000°,Azm126.0000° M_o1.30000×10^{18}
ISC VIII 12 00 49 04.1–.50 0.9S–.10 22.05W–.07 10 4.3s,3.9b 18 15-83
ISCJB VIII 12 00 49 02.3–.50 0.9S–.10 22.03W–.07 10 4.3s,3.9b **¶11908099**
IDC VIII 12 00 49 02.7–.81 0.90S 22.04W 0 4.2s,4.2
NEIC VIII 12 00 49 03.6–.50 0.99S 22.05W 10 4.0b,4.2
GCMT VIII 12 00 49 11.1–.20 0.66S 22.06W 25–1 5.3W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=10.2km az=172.5.
IDC Error ellipse: s-maj=29.6km s-min=17.5km az=158.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=9.4km az=165.0.
GCMT Event type se. Data Used: IU IC II CN G. Moment Tensor Solution. s49,c75; s82,c136; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04±.04 $M_{\theta\theta}$0.39±.03; $M_{\phi\phi}$-0.35±.03; $M_{r\theta}$0.13±.06; $M_{\theta\phi}$-1.04±.03; $M_{\phi r}$0.41±.07; Best double couple: NP1:ϕ_s262.00000°,δ71.00000°,λ-171.00000°. NP2:ϕ_s169.00000°,δ82.00000°,λ-19.00000°. Principal axes: T 1.1400,Plg7.0000° ,Azm216.0000°; N 0.0800,Plg70.0000°,Azm325.0000°; P -1.2300,Plg19.0000° ,Azm124.0000° M_o1.20000×10^{17}
ISC VIII 14 17 16 20.4–.33 8.06N–.07 38.01W–.03 10 4.7b,4.3s 512 26-163
ISCJB VIII 14 17 16 18.5–.33 8.07N–.07 38.01W–.03 10 4.7b,4.3s **¶13391742**
IDC VIII 14 17 16 18.4–.47 8.09N 38.00W 0 4.4,4.4
SZGRF VIII 14 17 16 18.6 7.72N 38.48W 33 5.2b,4.1s
NEIC VIII 14 17 16 20.2–.25 8.08N 38.01W 10 4.9b,4.1s
GCMT VIII 14 17 16 23.5–.30 8.20N 37.89W 12 5.0W,4.1s
CSEM VIII 14 17 16 23.8–.15 8.08N 38.00W 33 4.9b,4.5s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=3.9km az=167.0.
IDC Error ellipse: s-maj=16.2km s-min=11.5km az=144.0.
SZGRF Central Mid-Atlantic Ridge.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.8km az=166.0.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s26,c31; s72,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.48±.11 $M_{\theta\theta}$-0.23±.12; $M_{\phi\phi}$3.71±.11; $M_{r\theta}$0.97±.49; $M_{\theta\phi}$-0.04±.10; $M_{\phi r}$0.49±.38; Best double couple: NP1:ϕ_s345.00000°,δ43.00000°,λ-113.00000°. NP2:ϕ_s194.00000°,δ51.00000°,λ-70.00000°. Principal axes: T 3.7400,Plg4.0000°

,Azm270.0000°; N 0.0400,Plg15.0000°,Azm1.0000°; P -3.7800,Plg74.0000°,Azm166.0000° $M_0$3.80000×10^{16}

CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=4.3km az=164.0.

ISC VIII 15 00 49 46.3–4.4 0.44N–.09 25.24W–.07 25–31 4.3b,4.2s 40 12-149

IDC VIII 15 00 49 41.7–.80 0.30N 25.13W 0 4.2,4.1s **¶11908229**

NEIC VIII 15 00 49 43.7–.32 0.46N 25.24W 10 4.7b,4.1s

GCMT VIII 15 00 49 49.0–.30 0.72N 25.48W 13–1 5.0W,4.1s

ISC Event type se.

IDC Error ellipse: s-maj=41.8km s-min=18.1km az=136.0.

NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.0km az=154.0.

GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s23,c26; s77,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.47±.25 $M_{\theta\theta}$-0.19±.16; $M_{\phi\phi}$3.67±.18; $M_{r\theta}$-0.97±.52; $M_{\theta\phi}$0.72±.11; $M_{\phi r}$0.07±.35; Best double couple: NP1:ϕ_s175.00000°,δ46.00000°,λ-112.00000°. NP2:ϕ_s25.00000°,δ48.00000°,λ-69.00000°. Principal axes: T 3.8000,Plg1.0000° ,Azm100.0000°; N -0.0500,Plg16.0000°,Azm191.0000°; P -3.7400,Plg74.0000°,Azm7.0000° $M_0$3.80000×10^{16}

IDC VIII 15 23 29 21.7–2.8 0.76S 20.63W 0 4.2L,3.9

¶12581119

IDC Error ellipse: s-maj=84.1km s-min=51.4km az=102.0.

ISC VIII 21 13 19 58.2–1.2 1.1S–.40 22.0W–.10 10 4.1b 12 18-149

ISCJB VIII 21 13 19 56.8–1.2 0.9S–.30 22.1W–.10 10 4.1b **¶11908541**

IDC VIII 21 13 19 57.9–.98 0.60S 22.21W 0 4.3,4.2b

NEIC VIII 21 13 19 59.5–.87 0.68S 22.19W 10 4.5b,4.2b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=50.5km s-min=13.5km az=162.6.

IDC Error ellipse: s-maj=40.6km s-min=21.0km az=148.0.

NEIC Event type se. Error ellipse: s-maj=35.3km s-min=15.5km az=157.0.

ISC VIII 23 03 09 04.8–.64 0.7N–.20 25.33W–.07 10 4.2b,3.7s 25 12-150

ISCJB VIII 23 03 09 02.7–.65 0.5N–.20 25.26W–.08 10 4.2b,3.7s **¶11908622**

IDC VIII 23 03 09 03.0–.93 0.73N 25.35W 0 4.1,3.9

NEIC VIII 23 03 09 04.7–.45 0.66N 25.36W 10 4.3b,3.9

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=25.7km s-min=9.2km az=165.6.

IDC Error ellipse: s-maj=39.6km s-min=19.8km az=159.0.

NEIC Event type se. Error ellipse: s-maj=18.3km s-min=7.7km az=167.0.

ISC IX 01 15 59 36.4–.45 9.02N–.09 40.51W–.09 10 4.1b,3.6s 23 24-164

ISCJB IX 01 15 59 34.5–.45 9.02N–.09 40.53W–.09 10 4.1b,3.6s **¶11909230**

IDC IX 01 15 59 35.0–.58 9.07N 40.53W 0 4.2,4.0

NEIC IX 01 15 59 36.5–.36 9.07N 40.54W 10 4.5b,4.0

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=12.0km az=140.4.

IDC Error ellipse: s-maj=18.9km s-min=15.0km az=140.0.

NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.9km az=146.0.

IDC IX 01 16 13 14.1–1.2 9.14N 40.43W 0 3.9,3.7

¶11909231

IDC Error ellipse: s-maj=48.7km s-min=25.8km az=165.0.

IDC IX 01 16 15 14.4–1.1 8.92N 40.52W 0 4.0,3.8

¶11909232

IDC Error ellipse: s-maj=46.9km s-min=25.5km az=157.0.

ISC IX 10 13 08 14.1–.77 8.13N–.03 38.68W–.01 3–4 6.5s,6.2b 2495 14-174

SZGRF IX 10 13 08 11.4 7.57N 38.27W 33 6.6b,6.5s **¶13393977**

MOS IX 10 13 08 12.8–1.0 8.12N 38.72W 10 6.5s,6.3b

ISCJB IX 10 13 08 13.2–.12 8.13N–.02 38.66W–.01 10 6.5s,6.2b

IDC IX 10 13 08 13.4–.29 8.24N 38.82W 0 6.4,6.4s

SFS IX 10 13 08 14.0 8.09N 38.70W 10 6.6L,6.4s

PDA IX 10 13 08 14.9 8.09N 38.75W 10 6.5b,6.4s

IGIL IX 10 13 08 14.8 8.09N 38.75W 10 6.5b,6.4s

BGS IX 10 13 08 14.1–2.4 8.55N 39.56W 10–0 6.5s,5.9b

CSEM IX 10 13 08 14.9–.07 8.11N 38.70W 9 6.6W,6.4s

NEIC IX 10 13 08 14.7–.13 8.09N 38.71W 9 6.9,6.6W

GCMT IX 10 13 08 21.6–.10 8.18N 38.54W 15–0 6.6W,6.6W

DJA IX 10 13 08 22 8.16N 37.67W 11 6.4b,6.6W

ISC Event type ke.

SZGRF Central Mid-Atlantic Ridge.

MOS Error ellipse: s-maj=11.5km s-min=9.6km az=89.7.

ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=171.0.

IDC Error ellipse: s-maj=9.1km s-min=6.2km az=143.0.

SFS Event type ke.

BGS Error ellipse: s-maj=640.3km s-min=161.3km az=-1.0.

CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=1.9km az=169.0.

NEIC Event type se. Error ellipse: s-maj=3.8km s-min=1.9km az=168.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s178.00000°,δ80.00000° ,λ-5.00000°. NP2:ϕ_s269.00000°,δ85.00000°,λ-170.00000°. Principal axes: T Plg4.0000° ,Azm43.0000°; N Plg0.0000°,Azm0.0000°; P Plg11.0000°,Azm134.0000° Moment Tensor Solution. s127 Moment tensor: Scale 10^{18}Nm; M_{rr}0.03 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$0.62 $M_{r\theta}$1.35 $M_{\theta\phi}$-6.86 $M_{\phi r}$-1.40 Best double couple: NP1:ϕ_s184.00000°,δ79.00000°,λ10.00000°. NP2:ϕ_s92.00000° ,δ80.00000°,λ169.00000°. Principal axes: T 7.3900,Plg14.0000°,Azm47.0000° ; N -0.4900,Plg75.0000°,Azm229.0000°; P -6.9000,Plg0.0000°,Azm137.0000° $M_0$7.20000×10^{18}

GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 109 sta. Surface waves: sta=112, comp=264, per= 50. Moment Tensor Solution. s112,c258; s99,c230; Moment tensor: Scale 10^{19}Nm; M_{rr}0.03±.01 $M_{\theta\theta}$-0.12±.01; $M_{\phi\phi}$0.09±.01; $M_{r\theta}$0.04±.02; $M_{\theta\phi}$-1.01±.01; $M_{\phi r}$0.26±.02; Best double couple: NP1:ϕ_s273.00000°,δ76.00000° ,λ-179.00000°. NP2:ϕ_s183.00000°,δ89.00000°,λ-14.00000°. Principal axes: T 1.0300,Plg10.0000°,Azm229.0000°; N 0.0400,Plg76.0000°,Azm1.0000° ; P -1.0700,Plg10.0000°,Azm137.0000° $M_0$1.10000×10^{19}

IDC IX 15 06 46 02.8–1.5 2.98N 30.94W 0 3.9,3.7b

¶11910325

IDC Error ellipse: s-maj=80.1km s-min=26.1km az=160.0.

ISC IX 16 07 28 25.1–.19 0.86N–.04 28.96W–.02 10 5.2s,5.1b 849 10-171

IDC IX 16 07 28 23.2–.38 1.11N 29.04W 0 5.6L,5.2s **¶11277594**

ISCJB IX 16 07 28 23.5–.20 0.91N–.04 28.90W–.02 10 5.2s,5.1b

MOS IX 16 07 28 23.3–.77 0.98N 28.98W 10 5.3b,5.1s

NEIC IX 16 07 28 25.0–.18 0.90N 29.00W 10 5.8W,5.2b

BJI IX 16 07 28 26.0 0.90N 29.00W 10 5.6s,5.5b

GCMT IX 16 07 28 30.9–.10 0.95N 28.80W 21–0 5.8W,5.5b

SZGRF IX 16 07 28 33.0 1.03N 27.40W 33 5.2b,5.0s

ISC Event type se.

IDC Error ellipse: s-maj=13.3km s-min=9.6km az=149.0.

ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=2.5km az=158.6.

MOS Error ellipse: s-maj=7.5km s-min=4.4km az=59.2.

NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.9km az=161.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=238, per= 50. Moment Tensor Solution. s102,c188; s74,c87; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22±.05 $M_{\theta\theta}$1.19±.05; $M_{\phi\phi}$-0.97±.06; $M_{r\theta}$-0.42±.10; $M_{\theta\phi}$-5.68±.05; $M_{\phi r}$-0.40±.11; Best double couple: NP1:ϕ_s354.00000°,δ85.00000°,λ-4.00000°. NP2:ϕ_s85.00000°,δ86.00000°,λ-175.00000°. Principal axes: T 5.8900,Plg1.0000°,Azm220.0000°; N -0.1600,Plg84.0000°,Azm124.0000° ; P -5.7300,Plg6.0000°,Azm310.0000° $M_0$5.80000×10^{17}

SZGRF Central Mid-Atlantic Ridge.

ISC IX 19 09 34 21.4–.63 1.1N–.10 27.0W–.10 10 4.1b,3.8s 18 11-154

ISCJB IX 19 09 34 20.2–.71 1.2N–.10 27.0W–.10 10 4.1b,3.8s **¶11910616**

IDC IX 19 09 34 21.0–.78 1.34N 27.08W 0 4.3L,4.1

NEIC IX 19 09 34 21.6–.60 1.17N 27.05W 10 4.7b,4.1

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=11.7km az=143.3.

IDC Error ellipse: s-maj=37.1km s-min=17.2km az=146.0.

NEIC Event type se. Error ellipse: s-maj=23.2km s-min=10.5km az=140.0.

IDC IX 20 17 20 19.0–2.9 0.11N 21.45W 0 3.8,3.7

¶11910712

IDC Error ellipse: s-maj=134.3km s-min=42.3km az=131.0.

ISC X 03 05 26 21.7–.23 7.45N–.05 36.79W–.02 10 5.1s,4.8b 643 13-167

ISCJB X 03 05 26 19.9–.24 7.49N–.05 36.77W–.03 10 5.1s,4.8b **¶13395860**

IDC X 03 05 26 19.7–.45 7.54N 36.88W 0 5.0s,5.0

NEIC X 03 05 26 20.9–.25 7.52N 36.76W 5 5.7W,5.6W

MOS X 03 05 26 20.5–1.1 7.68N 36.76W 10 5.2b,5.1s

SZGRF X 03 05 26 22.3 7.64N 37.32W 33 5.2b,5.0s

GCMT X 03 05 26 26.4–.10 7.76N 37.00W 17–0 5.7W,5.0s

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.4km az=170.0.

IDC Error ellipse: s-maj=14.7km s-min=11.6km az=144.0.

NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=171.0. Moment Tensor Solution. s44 Moment tensor: Scale 10^{17}Nm; M_{rr}0.21 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$0.14 $M_{r\theta}$0.72 $M_{\theta\phi}$-2.54 $M_{\phi r}$-1.26 Best double couple: NP1:ϕ_s185.00000°,δ77.00000°,λ24.00000°. NP2:ϕ_s90.00000° ,δ67.00000°,λ166.00000°. Principal axes: T 3.1300,Plg25.0000°,Azm49.0000° ; N -0.4400,Plg62.0000°,Azm211.0000°; P -2.7000,Plg7.0000°,Azm315.0000° $M_0$2.90000×10^{17}

MOS Error ellipse: s-maj=9.1km s-min=5.9km az=56.1.

SZGRF Central Mid-Atlantic Ridge.

GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta=111, comp=230, per= 50. Moment Tensor Solution. s96,c181; s61,c71; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.05 $M_{\theta\theta}$-0.14±.05; $M_{\phi\phi}$0.22±.06; $M_{r\theta}$-0.87±.14; $M_{\theta\phi}$-4.43±.05; $M_{\phi r}$0.03±.14; Best double couple: NP1:ϕ_s1.00000°,δ79.00000°,λ0.00000°. NP2:ϕ_s91.00000°,δ90.00000°,λ-169.00000°. Principal axes: T 4.5600,Plg8.0000°,Azm226.0000°; N -0.0800,Plg79.0000°,Azm92.0000° ; P -4.4800,Plg8.0000°,Azm317.0000° $M_0$4.50000×10^{17}

ISC X 03 05 30 24.3–.24 7.50N–.05 36.88W–.04 10 5.2s,4.9b 292 13-162

ISCJB X 03 05 30 22.5–.24 7.54N–.05 36.88W–.04 10 5.2s,4.9b **¶13395862**

MOS X 03 05 30 22.2–1.3 7.59N 36.82W 10 5.2b,4.9s

IDC X 03 05 30 22.3–.41 7.60N 37.12W 0 4.8L,4.5

SZGRF X 03 05 30 23.6 7.80N 37.90W 33 5.3b,4.5

NEIC X 03 05 30 24.3–.31 7.56N 36.88W 10 5.2b,4.5

GCMT X 03 05 30 27.9–.20 7.75N 37.24W 24–1 5.6W,4.5

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.1km az=171.0.

MOS Error ellipse: s-maj=8.3km s-min=7.7km az=86.2.

IDC Error ellipse: s-maj=13.3km s-min=10.9km az=151.0.

SZGRF Central Mid-Atlantic Ridge.

NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.5km az=177.0.

GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 103 sta. Moment Tensor Solution. s60,c85; s99,c195; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.09 $M_{\theta\theta}$-0.05±.07; $M_{\phi\phi}$0.21±.07; $M_{r\theta}$-0.71±.12; $M_{\theta\phi}$-3.08±.07; $M_{\phi r}$0.23±.12; Best double couple: NP1:ϕ_s2.00000° ,δ77.00000°,λ3.00000°. NP2:ϕ_s271.00000°,δ87.00000°,λ167.00000°. Principal axes: T 3.2900,Plg11.0000°,Azm226.0000°; N -0.2400,Plg77.0000°,Azm80.0000° ; P -3.0500,Plg7.0000°,Azm317.0000° $M_0$3.20000×10^{17}

ISC X 10 03 51 04.9–.51 8.64N–.09 39.74W–.09 10 4.1b,3.8s 30 15-89

IDC X 10 03 51 02.8–.80 8.54N 39.74W 0 4.2,4.1 **¶12066482**

ISCJB X 10 03 51 03.0–.51 8.65N–.09 39.76W–.09 10 4.1b,3.8s

NEIC X 10 03 51 04.8–.42 8.65N 39.77W 10 4.3b,3.8s

ISC Event type se.

IDC Error ellipse: s-maj=28.7km s-min=18.3km az=167.0.

ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=12.2km az=40.2.

NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.9km az=46.0.

IDC X 31 02 43 39.2–1.8 0.48S 26.10W 0 3.7,3.6b

¶12071704

IDC Error ellipse: s-maj=101.2km s-min=26.8km az=148.0.

ISC XI 01 20 23 06.3–.70 7.5N–.10 36.7W–.10 10 3.8b 19 13-71

ISCJB XI 01 20 23 04.2–.71 7.5N–.10 36.7W–.10 10 3.8b **¶12071901**

IDC XI 01 20 23 04.6–.97 7.53N 36.73W 0 4.0,3.8b

NEIC XI 01 20 23 06.0–.52 7.46N 36.70W 10 4.0,3.8b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=14.5km az=31.5.

IDC Error ellipse: s-maj=37.9km s-min=19.5km az=158.0.

NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.8km az=121.0.

IDC XI 02 00 21 25.8–1.3 8.12N 34.96W 0 3.9,3.6b

¶12071929

IDC Error ellipse: s-maj=54.6km s-min=27.7km az=172.0.

ISC XI 09 17 59 21.8–.75 0.5N–.20 29.0W–.20 10 3.8b,3.6s 18 9-76

ISCJB XI 09 17 59 19.7–.75 0.4N–.20 29.0W–.20 10 3.8b,3.6s **¶12072981**

IDC XI 09 17 59 20.3–1.2 0.54N 28.99W 0 4.1,3.9L

NEIC XI 09 17 59 21.5–.71 0.44N 28.95W 10 4.1b,3.9L

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=36.5km s-min=12.4km az=145.1.

IDC Error ellipse: s-maj=49.8km s-min=19.8km az=151.0.

NEIC Event type se. Error ellipse: s-maj=34.8km s-min=12.0km az=145.0.

IDC XI 13 02 57 15.4–41 5.17N 32.00W 0 3.8,3.6

¶12073370

IDC Error ellipse: s-maj=951.7km s-min=82.5km az=31.0.

ISC XI 15 03 07 02.9–.61 3.1N–.20 31.3W–.10 10 3.9b,3.4s 22 27-98

ISCJB XI 15 03 07 01.1–.61 3.1N–.20 31.3W–.10 10 3.9b,3.4s **¶12073590**

IDC XI 15 03 07 01.2–.83 3.06N 31.31W 0 4.1,4.0

NEIC XI 15 03 07 02.7–.46 3.07N 31.34W 10 4.2b,4.0

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=24.4km s-min=14.2km az=149.0.

IDC Error ellipse: s-maj=32.9km s-min=19.3km az=149.0.

NEIC Event type se. Error ellipse: s-maj=18.6km s-min=10.6km az=149.0.

IDC XI 20 08 56 37.6–1.2 3.76N 32.03W 0 4.0,3.8

¶12074246

IDC Error ellipse: s-maj=39.0km s-min=26.3km az=151.0.

IDC XII 05 20 34 43.3–5.5 0.12S 25.52W 0 3.6,3.6

¶12075922

IDC Error ellipse: s-maj=297.8km s-min=38.2km az=142.0.

IDC XII 08 09 34 20.2–22 4.94N 33.24W 0 4.1,3.9b

¶12076339

IDC Error ellipse: s-maj=445.9km s-min=75.7km az=44.0.

ISC XII 13 17 21 14.7–.29 8.02N–.06 38.05W–.06 10 4.6b,4.4s 201 14-166

SZGRF XII 13 17 21 02.2 5.49N 38.13W 33 5.1b,4.3s **¶12077316**

ISCJB XII 13 17 21 12.7–.29 8.01N–.06 38.04W–.06 10 4.6b,4.4s

MOS XII 13 17 21 12.4–1.4 7.99N 38.04W 10 5.2b,4.4s

BJI XII 13 17 21 12.1 8.10N 37.90W 10 5.3s,5.1b

IDC XII 13 17 21 12.6–.51 8.17N 38.00W 0 4.3s,4.3

CSEM XII 13 17 21 14.6–.20 8.03N 38.03W 10 5.0b,5.0W

NEIC XII 13 17 21 14.3–.32 8.01N 38.02W 10 5.0b,5.0W

GCMT XII 13 17 21 16.4–.30 8.11N 37.97W 12 5.0W,5.0W

ISC Event type ke.

SZGRF North Atlantic Ocean.

ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.9km az=38.6.

MOS Error ellipse: s-maj=14.5km s-min=7.1km az=56.5.

IDC Error ellipse: s-maj=17.2km s-min=13.8km az=135.0.

CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=9.8km az=127.0.

NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.0km az=124.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s35,c45; s75,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.90±.09 $M_{\theta\theta}$-0.03±.10; $M_{\phi\phi}$2.93±.10; $M_{r\theta}$-0.24±.29; $M_{\theta\phi}$-1.25±.08; $M_{\phi r}$1.37±.29; Best double couple: NP1:ϕ_s334.00000°,δ33.00000°,λ-99.00000°. NP2:ϕ_s165.00000°,δ57.00000°,λ-84.00000°. Principal axes: T 3.6700,Plg12.0000° ,Azm251.0000°; N -0.4600,Plg5.0000°,Azm342.0000°; P -3.2100,Plg77.0000°,Azm93.0000° $M_0$3.40000×10^{16}

IDC XII 17 09 51 41.0–4.2 7.43N 34.16W 0 3.7,3.5

¶12077897

IDC Error ellipse: s-maj=181.5km s-min=31.6km az=8.0.

IDC XII 18 08 24 06.8–1.0 0.69N 29.47W 0 4.1,3.9b

¶12078030

IDC Error ellipse: s-maj=34.6km s-min=21.3km az=153.0.

ISC XII 26 17 15 36.8–.63 7.2N–.10 34.12W–.10 10 4.0b,3.9s 19 13-79

ISCJB XII 26 17 15 34.8–.63 7.1N–.10 34.11W–.10 10 4.0b,3.9s **¶12079075**

IDC XII 26 17 15 35.5–.88 7.32N 34.14W 0 4.1,4.0b

NEIC XII 26 17 15 36.7–.50 7.16N 34.11W 10 4.1b,4.0b

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=12.9km az=150.5.

IDC Error ellipse: s-maj=36.2km s-min=19.0km az=162.0.

NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.5km az=150.0.

(407) North of Ascension Island.

ISC VIII 28 15 22 19.2–.22 0.13S–.04 17.62W–.03 10 5.9s,5.3b 480 14-154

ISCJB VIII 28 15 22 17.3–.23 0.11S–.04 17.60W–.03 10 5.9s,5.3b **¶11653113**

IDC VIII 28 15 22 18.0–.40 0.11S 17.44W 0 5.9s,5.9

NEIC VIII 28 15 22 18.9–.23 0.13S 17.63W 10 5.2b,5.9

BJI VIII 28 15 22 19.9 0.35N 16.95W 10 5.5s,5.2

MOS VIII 28 15 22 19.3–1.2 0.08S 17.67W 10 6.0b,5.9s

ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.5km az=152.3.

IDC Error ellipse: s-maj=11.5km s-min=7.8km az=144.0.

NEIC Event type se. Error ellipse: s-maj=6.5km s-min=3.7km az=148.0.

MOS Error ellipse: s-maj=7.8km s-min=2.8km az=65.0.
ISC VIII 28 15 22 23.6–.72 0.02S–.03 17.44W–.02 5–4 5.9s,5.7b 1397 14-170
ISCJB VIII 28 15 22 22.9–.14 0.01N–.03 17.36W–.02 10 5.9s,5.7b **¶11222419**
NEIC VIII 28 15 22 23.2–.23 0.25S 17.36W 12 6.7,6.3W
BJI VIII 28 15 22 23.8 0.21S 17.38W 21 6.3s,6.1b
BGS VIII 28 15 22 29.2–1.9 0.84N 17.76W 10–0 5.8s,5.4b
GCMT VIII 28 15 22 30.5–.10 0.18N 17.37W 21–0 6.3W,5.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.0km az=157.2.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.2km az=158.0. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s80.00000°,δ80.00000° ,λ175.00000°. NP2:ϕ_s171.00000°,δ85.00000°,λ10.00000°. Principal axes: T Plg11.0000° ,Azm36.0000°; N Plg0.0000°,Azm0.0000°; P Plg4.0000°,Azm305.0000° Moment Tensor Solution. s121 Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-1.00 $M_{r\theta}$0.13 $M_{\theta\phi}$-2.34 $M_{\phi r}$-0.42 Best double couple: NP1:ϕ_s169.00000°,δ89.00000°,λ10.00000°. NP2:ϕ_s79.00000° ,δ80.00000°,λ179.00000°. Principal axes: T 2.5400,Plg7.0000°,Azm34.0000° ; N 0.0600,Plg79.0000°,Azm176.0000°; P -2.6000,Plg6.0000°,Azm303.0000° M_o2.60000×10^{18}
BGS Error ellipse: s-maj=39.8km s-min=166.8km az=-1.0.
GCMT Event type se. Data Used: II IU IC CN G. Mantle waves from 102 sta. Surface waves: sta=116, comp=267, per= 50. Moment Tensor Solution. s112,c260; s99,c199; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.09±.02 $M_{\theta\theta}$1.25±.02; $M_{\phi\phi}$-1.16±.02; $M_{r\theta}$0.11±.04; $M_{\theta\phi}$-3.09±.02; $M_{\phi r}$-0.38±.04; Best double couple: NP1:ϕ_s79.00000°,δ83.00000°,λ180.00000°. NP2:ϕ_s169.00000°,δ90.00000°,λ7.00000°. Principal axes: T 3.3900,Plg5.0000°,Azm35.0000° ; N -0.0900,Plg83.0000°,Azm172.0000°; P -3.2900,Plg5.0000°,Azm304.0000° M_o3.30000×10^{18}
ISC VIII 28 16 04 50.8–.42 0.08S–.07 17.44W–.06 10 4.6b 193 14-146
ISCJB VIII 28 16 04 49.0–.43 0.02S–.07 17.43W–.06 10 4.6b **¶13392849**
IDC VIII 28 16 04 49.4–.70 0.06N 17.50W 0 5.0L,4.4
MOS VIII 28 16 04 50.3–.70 0.38N 17.67W 10 4.6b,4.4
NEIC VIII 28 16 04 51.2–.33 0.04N 17.47W 10 4.7b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=7.5km az=147.8.
IDC Error ellipse: s-maj=22.5km s-min=16.5km az=143.0.
MOS Error ellipse: s-maj=36.5km s-min=7.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.2km az=147.0.
IDC VIII 31 15 16 49.4–6.3 0.14N 17.18W 0 4.2,4.2
¶12581599
IDC Error ellipse: s-maj=407.9km s-min=71.0km az=140.0.
IDC IX 04 17 03 06.0–4.5 0.17S 17.37W 0 4.3L,4.2
¶11909472
IDC Error ellipse: s-maj=102.7km s-min=30.2km az=106.0.
ISC IX 05 19 07 37.8–.81 1.20S–.02 13.96W–.03 7–5 5.5s,5.3b 916 12-173
BGS IX 05 19 07 31.2–1.9 2.11S 12.70W 10–0 5.4s,5.2b **¶12951908**
MOS IX 05 19 07 36.7–.92 1.13S 13.88W 10 5.5s,5.5b
ISCJB IX 05 19 07 36.4–.16 1.17S–.02 13.94W–.03 10 5.5s,5.3b
BJI IX 05 19 07 36.7 1.70S 13.49W 10 5.7s,5.7b
IDC IX 05 19 07 37.2–.42 1.15S 13.97W 0 5.4s,5.4
NEIC IX 05 19 07 38.3–.16 1.17S 13.96W 10 5.8W,5.7W
IGIL IX 05 19 07 38.9 1.15S 13.88W 10 5.4s,5.7W
DJA IX 05 19 07 41 1.01S 13.92W 10 5.6b,5.7W
GCMT IX 05 19 07 42.4–.10 0.88S 13.79W 12 5.8W,5.7W
SZGRF IX 05 19 07 43.7 0.65S 13.45W 33 5.5s,5.4b
ISC Event type se.
BGS Error ellipse: s-maj=397.0km s-min=362.3km az=-1.0.
MOS Error ellipse: s-maj=9.1km s-min=3.0km az=70.2.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=3.4km az=14.4.
IDC Error ellipse: s-maj=12.7km s-min=11.3km az=142.0.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=136.0. Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36 $M_{\theta\theta}$0.94 $M_{\phi\phi}$-1.30 $M_{r\theta}$0.80 $M_{\theta\phi}$-3.97 $M_{\phi r}$-0.81 Best double couple: NP1:ϕ_s173.00000°,δ80.00000°,λ13.00000°. NP2:ϕ_s81.00000° ,δ77.00000°,λ170.00000°. Principal axes: T 4.2700,Plg16.0000°,Azm37.0000° ; N 0.0400,Plg73.0000°,Azm209.0000°; P -4.3100,Plg2.0000°,Azm306.0000° M_o4.30000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=112, comp=254, per= 50. Moment Tensor Solution. s97,c187; s80,c99; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32±.04 $M_{\theta\theta}$2.36±.05; $M_{\phi\phi}$-2.04±.05; $M_{r\theta}$-0.41±.12; $M_{\theta\phi}$-5.25±.04; $M_{\phi r}$0.72±.12; Best double couple: NP1:ϕ_s258.00000°,δ82.00000°,λ178.00000°. NP2:ϕ_s349.00000°,δ88.00000°,λ8.00000°. Principal axes: T 5.9400,Plg7.0000°,Azm214.0000°; N -0.3800,Plg82.0000°,Azm3.0000° ; P -5.5600,Plg4.0000°,Azm123.0000° M_o5.80000×10^{17}
SZGRF North of Ascension Island.
IDC IX 07 20 30 13.8–22 1.31S 14.98W 0 3.8,3.8
¶11909751
IDC Error ellipse: s-maj=634.2km s-min=71.6km az=166.0.
ISC X 21 23 04 36.1–.37 0.01S–.07 17.47W–.06 10 4.7b,4.4s 128 14-146
SZGRF X 21 23 04 23.2 0.01N 20.65W 33 4.6b,4.4s **¶13397751**
ISCJB X 21 23 04 34.2–.37 0.03N–.07 17.46W–.06 10 4.7b,4.4s
IDC X 21 23 04 35.2–.63 0.41N 17.65W 0 4.7L,4.5
NEIC X 21 23 04 36.5–.40 0.07N 17.57W 10 4.9b,4.5
GCMT X 21 23 04 40.9–.20 0.29N 17.53W 15–1 5.1W,4.5
ISC Event type se.
SZGRF Central Mid-Atlantic Ridge.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=6.5km az=141.0.
IDC Error ellipse: s-maj=25.9km s-min=14.1km az=142.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=6.6km az=145.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s57,c78; s91,c154; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.74±.15 $M_{\theta\theta}$2.46±.14; $M_{\phi\phi}$-1.72±.14; $M_{r\theta}$-0.52±.43; $M_{\theta\phi}$-6.00±.13; $M_{\phi r}$0.15±.42; Best double couple: NP1:ϕ_s350.00000°,δ86.00000°,λ1.00000°. NP2:ϕ_s260.00000°,δ89.00000°,λ176.00000°. Principal axes: T 6.7600,Plg4.0000° ,Azm215.0000°; N -0.7700,Plg86.0000°,Azm62.0000°; P -5.9900,Plg2.0000°,Azm305.0000° M_o6.40000×10^{16}
IDC XI 02 18 46 10.4–10 0.97S 13.52W 0 4.0,4.0
¶12072016
IDC Error ellipse: s-maj=268.9km s-min=55.5km az=160.0.
IDC XI 13 04 43 21.9–4.0 1.36S 16.59W 0 3.9b,3.9
¶12073378
IDC Error ellipse: s-maj=103.4km s-min=47.3km az=108.0.
ISC XI 22 18 49 42.8–.75 1.19S–.02 14.02W–.02 8–4 6.0s,5.7b 1039 12-173
SZGRF XI 22 18 49 36.4 1.99S 12.96W 33 6.2s,5.5b **¶13400884**
IDC XI 22 18 49 40.7–.34 1.19S 13.95W 0 5.9s,5.9
MOS XI 22 18 49 41.6–1.0 1.04S 14.01W 10 6.0s,5.8b
ISCJB XI 22 18 49 41.4–.13 1.17S–.02 14.00W–.02 11 6.0s,5.7b
BGS XI 22 18 49 41.5–2.4 1.04S 15.47W 10–0 6.0s,5.5b
NEIC XI 22 18 49 42.4–.18 1.23S 13.93W 10 6.2W,6.2W
BJI XI 22 18 49 43.5 0.25S 14.16W 10 6.4b,6.3s
TEH XI 22 18 49 44.0 1.14S 13.90W 10 6.4b,6.3s
GCMT XI 22 18 49 50.3–.10 0.77S 13.80W 18–0 6.3W,6.3s
DJA XI 22 18 49 52 1.49S 14.35W 88 5.8b,6.3s
ISC Event type se.
SZGRF North of Ascension Island.
IDC Error ellipse: s-maj=11.6km s-min=9.5km az=140.0.
MOS Error ellipse: s-maj=8.6km s-min=4.3km az=68.3.
ISCJB Event type se. Error ellipse: s-maj=3.3km s-min=2.8km az=143.3.
BGS Error ellipse: s-maj=612.0km s-min=468.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.8km az=156.0. Moment Tensor Solution. s100 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.19 $M_{\theta\theta}$1.06 $M_{\phi\phi}$-0.87 $M_{r\theta}$0.30 $M_{\theta\phi}$-1.92 $M_{\phi r}$0.74 Best double couple: NP1:ϕ_s165.00000°,δ78.00000°,λ-17.00000°. NP2:ϕ_s258.00000° ,δ73.00000°,λ-168.00000°. Principal axes: T 2.2500,Plg3.0000°,Azm212.0000° ; N 0.0900,Plg69.0000°,Azm311.0000°; P -2.3400,Plg20.0000°,Azm121.0000° M_o2.30000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 109 sta. Surface waves: sta=120, comp=277, per= 50. Moment Tensor Solution. s114,c259; s99,c186; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.23±.02 $M_{\theta\theta}$1.33±.02; $M_{\phi\phi}$-1.10±.02; $M_{r\theta}$-0.47±.05; $M_{\theta\phi}$-2.99±.02; $M_{\phi r}$1.12±.06; Best double couple: NP1:ϕ_s258.00000°,δ70.00000°,λ179.00000°. NP2:ϕ_s349.00000°,δ89.00000°,λ20.00000°. Principal axes: T 3.6200,Plg15.0000° ,Azm215.0000°; N -0.3500,Plg70.0000°,Azm353.0000°; P -3.2700,Plg13.0000° ,Azm122.0000° M_o3.40000×10^{18}
ISC XI 26 06 25 27.3–1.6 0.3N–.20 17.8W–.10 10 4.1b,3.5s 22 14-146
IDC XI 26 06 25 24.1–1.5 0.01S 17.85W 0 4.5L,4.3 **¶12074865**
ISCJB XI 26 06 25 25.9–1.6 0.4N–.20 17.8W–.20 10 4.1b,3.5s
NEIC XI 26 06 25 25.2–.82 0.06N 17.90W 10 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=53.0km s-min=26.0km az=154.0.
ISCJB Event type se. Error ellipse: s-maj=33.4km s-min=21.8km az=175.6.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=12.8km az=151.0.

(408) Ascension Island region.

ISC VII 11 09 28 20.2–5.1 11.63S–.08 14.45W–.07 26–36 4.6b,4.4s 49 20-145
ISCJB VII 11 09 28 15.9–.38 11.62S–.08 14.40W–.07 10 4.6b,4.4s **¶11109051**
IDC VII 11 09 28 16.0–.67 11.75S 14.42W 0 4.3,4.2s
NEIC VII 11 09 28 17.8–.39 11.60S 14.49W 10 5.0b,4.2s
GCMT VII 11 09 28 18.8–.30 11.76S 14.27W 19–1 5.0W,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=8.2km az=150.8.
IDC Error ellipse: s-maj=25.8km s-min=15.3km az=151.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.3km az=149.0.
GCMT Event type se. Data Used: IU II IC CN G. Moment Tensor Solution. s28,c36; s70,c103; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.55±.17 $M_{\theta\theta}$-1.75±.17; $M_{\phi\phi}$2.30±.18; $M_{r\theta}$-0.45±.31; $M_{\theta\phi}$3.63±.13; $M_{\phi r}$0.88±.31; Best double couple: NP1:ϕ_s75.00000°,δ76.00000°,λ-5.00000°. NP2:ϕ_s166.00000°,δ85.00000°,λ-166.00000°. Principal axes: T 4.4900,Plg6.0000° ,Azm300.0000°; N -0.4000,Plg75.0000°,Azm186.0000°; P -4.0800,Plg13.0000° ,Azm31.0000° M_o4.30000×10^{16}
ISC VII 31 00 42 01.0–4.4 6.79S–.06 11.69W–.06 5–27 4.6b,3.8s 187 15-109
SZGRF VII 31 00 41 56.2 6.85S 12.58W 33 4.7b,3.8s **¶11227170**
ISCJB VII 31 00 42 00.2–4.7 6.71S–.06 11.69W–.06 12–29 4.6b,3.8s
IDC VII 31 00 42 00.4–.77 6.65S 11.67W 0 4.3,4.2
NEIC VII 31 00 42 01.6–.20 6.80S 11.70W 10 4.7b,3.9s
ISC Event type se.
SZGRF Ascension Island region.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.5km az=37.9.
IDC Error ellipse: s-maj=25.2km s-min=19.6km az=139.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.3km az=126.0.
IDC VIII 19 01 14 37.9–1.1 8.14S 13.41W 0 4.0,4.0
¶12581186
IDC Error ellipse: s-maj=35.4km s-min=25.3km az=123.0.
ISC VIII 19 01 26 23.6–.78 8.0S–.20 13.3W–.20 10 4.1s,4.0b 10 17-100
ISCJB VIII 19 01 26 21.9–.78 8.0S–.20 13.4W–.20 10 4.1s,4.0b **¶11908418**
IDC VIII 19 01 26 22.1–4.8 7.90S 13.45W 0 4.1s,4.1
NEIC VIII 19 01 26 23.3–.55 8.04S 13.37W 10 4.5b,4.1
GCMT VIII 19 01 26 26.1–.30 8.17S 13.56W 18–1 4.9W,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.4km s-min=17.6km az=139.4.
IDC Error ellipse: s-maj=235.2km s-min=27.2km az=147.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=12.8km az=139.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s18,c20; s64,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.25 $M_{\theta\theta}$-1.42±.14; $M_{\phi\phi}$3.52±.20; $M_{r\theta}$0.63±.34; $M_{\theta\phi}$0.81±.11; $M_{\phi r}$-0.84±.35; Best double couple: NP1:ϕ_s220.00000°,δ47.00000°,λ-42.00000°. NP2:ϕ_s341.00000°,δ60.00000°,λ-129.00000°. Principal axes: T 3.7400,Plg7.0000° ,Azm98.0000°; N -1.0600,Plg33.0000°,Azm3.0000°; P -2.6800,Plg56.0000°,Azm199.0000° M_o3.20000×10^{16}
ISC VIII 19 08 33 54.2–1.6 8.20S–.04 13.46W–.03 3–9 5.2b,4.9s 632 11-150
ISCJB VIII 19 08 33 53.7–.19 8.14S–.04 13.38W–.03 10 5.2b,4.9s **¶11169866**
IDC VIII 19 08 33 53.2–.45 8.19S 13.47W 0 4.9s,4.9
MOS VIII 19 08 33 54.0–1.0 8.01S 13.46W 10 5.5b,4.8s
INMG VIII 19 08 33 55.3 8.24S 13.47W 10 5.3s,4.8s
NEIC VIII 19 08 33 55.2–.21 8.20S 13.45W 10 5.3b,4.8s
GCMT VIII 19 08 33 57.7–.10 8.09S 13.53W 12 5.5W,4.8s
SZGRF VIII 19 08 33 59.5 7.97S 13.01W 33 5.4b,5.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=146.5.
IDC Error ellipse: s-maj=13.6km s-min=12.3km az=2.0.
MOS Error ellipse: s-maj=9.4km s-min=3.8km az=73.6.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.1km az=143.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves from 104 sta. Moment Tensor Solution. s70,c122; s99,c195; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.90±.03 $M_{\theta\theta}$-1.08±.03; $M_{\phi\phi}$1.98±.03; $M_{r\theta}$0.28±.07; $M_{\theta\phi}$0.74±.03; $M_{\phi r}$-0.45±.06; Best double couple: NP1: ϕ_s234.00000°,δ62.00000°,λ-20.00000°. NP2:ϕ_s334.00000°,δ72.00000°,λ-150.00000°. Principal axes: T 2.2000,Plg7.0000°,Azm102.0000°; N -0.7000,Plg56.0000°,Azm2.0000° ; P -1.5000,Plg34.0000°,Azm197.0000° M_o1.90000×10^{17}
SZGRF Ascension Island region.
ISC IX 19 21 17 35.3–.38 7.11S–.06 12.98W–.07 10 4.7b,4.4s 154 15-131
ISCJB IX 19 21 17 33.2–.38 7.09S–.06 12.99W–.07 10 4.7b,4.4s **¶11280415**
IDC IX 19 21 17 33.3–.62 7.08S 12.98W 0 4.4s,4.4
BJI IX 19 21 17 34.1 6.84S 13.22W 13 5.5b,4.9s
NEIC IX 19 21 17 35.2–.36 7.11S 13.00W 10 4.8b,4.5s
GCMT IX 19 21 17 38.3–.20 7.08S 13.05W 12 5.1W,4.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.8km az=17.5.
IDC Error ellipse: s-maj=19.1km s-min=14.8km az=128.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.2km az=115.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s37,c52; s92,c160; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.29±.10 $M_{\theta\theta}$0.20±.10; $M_{\phi\phi}$5.10±.09; $M_{r\theta}$0.63±.33; $M_{\theta\phi}$-1.30±.08; $M_{\phi r}$0.09±.28; Best double couple: NP1:ϕ_s173.00000°,δ45.00000°,λ-80.00000°. NP2:ϕ_s339.00000°,δ46.00000°,λ-100.00000°. Principal axes: T 5.4200,Plg0.0000° ,Azm76.0000°; N -0.0500,Plg7.0000°,Azm346.0000°; P -5.3700,Plg83.0000°,Azm169.0000° M_o5.40000×10^{16}
ISC IX 19 21 23 42.4–.69 7.0S–.10 13.1W–.20 10 4.2b 16 16-75
ISCJB IX 19 21 23 40.2–.69 7.1S–.10 13.1W–.20 10 4.2b **¶11910656**
IDC IX 19 21 23 40.6–.80 7.07S 13.11W 0 4.2,4.1b
NEIC IX 19 21 23 42.2–.52 7.03S 13.12W 10 4.4b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=13.5km az=34.8.
IDC Error ellipse: s-maj=32.5km s-min=16.8km az=127.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.6km az=125.0.
ISC X 03 07 56 07.4–.80 11.7S–.10 13.9W–.10 10 3.8b,3.8s 19 9-73
ISCJB X 03 07 56 05.1–.80 11.7S–.10 13.9W–.10 10 3.8b,3.8s **¶12065765**
IDC X 03 07 56 05.8–1.5 11.67S 13.97W 0 4.0,3.9
NEIC X 03 07 56 07.2–.62 11.70S 13.93W 10 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=13.7km az=39.4.
IDC Error ellipse: s-maj=35.3km s-min=19.9km az=119.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.7km az=129.0.
IDC X 17 02 23 28.8–6.7 5.24S 11.47W 0 4.0s,4.0
¶12068854
IDC Error ellipse: s-maj=205.9km s-min=107.6km az=144.0.
ISC X 17 02 50 38.4–.63 6.7S–.10 11.0W–.10 10 4.0b,3.7s 28 15-96
ISCJB X 17 02 50 36.4–.63 6.7S–.10 11.0W–.10 10 4.0b,3.7s **¶12068856**
IDC X 17 02 50 36.8–.79 6.69S 11.04W 0 4.0,3.9
NEIC X 17 02 50 38.2–.53 6.71S 11.02W 10 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=12.5km az=42.4.
IDC Error ellipse: s-maj=27.7km s-min=17.0km az=127.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=10.6km az=131.0.
ISC X 21 21 12 31.1–.56 10.38S–.08 13.14W–.10 10 4.2b 39 9-95
ISCJB X 21 21 12 29.0–.56 10.40S–.08 13.11W–.10 10 4.2b **¶12070751**
IDC X 21 21 12 29.1–1.1 10.46S 13.09W 0 4.2,4.1b
NEIC X 21 21 12 31.0–.36 10.38S 13.14W 10 4.8b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=11.2km az=159.7.
IDC Error ellipse: s-maj=48.8km s-min=23.8km az=103.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.5km az=68.0.
IDC X 21 21 13 32.6–1.2 10.49S 13.13W 0 4.2s,4.2
¶12070752
IDC Error ellipse: s-maj=58.5km s-min=27.4km az=109.0.
ISC X 21 21 21 53.7–.26 10.45S–.04 13.14W–.06 10 4.7b,4.3s 212 9-143
ISCJB X 21 21 21 51.7–.27 10.42S–.04 13.13W–.06 10 4.7b,4.3s **¶11360742**
BJI X 21 21 21 51.0 10.40S 13.10W 10 5.5b,5.2s
IDC X 21 21 21 52.1–.60 10.40S 13.19W 0 4.4,4.3
MOS X 21 21 21 52.1–.92 10.34S 13.13W 10 5.1b,4.4s
NEIC X 21 21 21 53.6–.18 10.43S 13.14W 10 5.0b,4.4s
GCMT X 21 21 21 55.0–.30 10.50S 13.11W 13–1 4.9W,4.4s

SZGRF X 21 21 22 01.8 9.13S 13.91W 33 4.7b,4.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.1km az=6.3.
IDC Error ellipse: s-maj=21.7km s-min=13.9km az=122.0.
MOS Error ellipse: s-maj=12.1km s-min=6.0km az=70.4.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.3km az=95.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s14,c16; s75,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.69±.21 $M_{\theta\theta}$0.39±.11; $M_{\phi\phi}$2.31±.14; $M_{r\theta}$0.17±.35; $M_{\theta\phi}$-0.58±.06; $M_{\phi r}$-0.35±.26; Best double couple: NP1:ϕ_s166.00000°,δ41.00000°,λ-88.00000°. NP2:ϕ_s343.00000°,δ49.00000°,λ-92.00000°. Principal axes: T 2.5000,Plg4.0000° ,Azm74.0000°; N 0.2300,Plg1.0000°,Azm344.0000°; P -2.7200,Plg86.0000°,Azm236.0000° M_o2.60000×10^{16}
SZGRF Ascension Island region.
ISC X 26 04 56 11.1–.37 5.54S–.05 11.50W–.08 10 4.8b,4.0s 309 13-148
SZGRF X 26 04 56 03.3 7.02S 13.93W 33 4.6b,4.0s **¶11362744**
BJI X 26 04 56 06.6 6.46S 11.44W 10 5.5b,5.2s
MOS X 26 04 56 09.4–.79 5.43S 11.53W 10 5.1b,5.2s
ISCJB X 26 04 56 09.2–.37 5.50S–.05 11.52W–.08 10 4.8b,4.0s
IDC X 26 04 56 10.0–.62 5.57S 11.41W 0 4.3,4.2
NEIC X 26 04 56 11.0–.34 5.53S 11.49W 10 4.9b,4.2
ISC Event type se.
SZGRF Ascension Island region.
MOS Error ellipse: s-maj=15.0km s-min=5.0km az=71.5.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=7.5km az=3.7.
IDC Error ellipse: s-maj=21.0km s-min=15.0km az=107.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=91.0.
IDC XII 03 17 22 07.3–6.2 5.59S 11.01W 0 4.0,3.8
¶12075621
IDC Error ellipse: s-maj=191.9km s-min=107.7km az=139.0.
IDC XII 03 17 30 45.9–6.7 5.59S 11.70W 0 4.0,3.9s
¶12075623
IDC Error ellipse: s-maj=207.8km s-min=107.7km az=144.0.
ISC XII 03 21 15 00.8–.72 6.4S–.10 11.1W–.10 10 4.3b,3.8s 28 14-99
ISCJB XII 03 21 14 58.8–.73 6.4S–.10 11.1W–.10 10 4.3b,3.8s **¶12075647**
IDC XII 03 21 14 58.9–1.1 6.42S 11.14W 0 4.3,4.2
NEIC XII 03 21 15 00.4–.59 6.40S 11.13W 10 4.9b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=14.4km az=37.9.
IDC Error ellipse: s-maj=35.0km s-min=23.5km az=98.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.9km az=135.0.
ISC XII 16 17 26 29.8–.47 11.64S–.10 13.38W–.09 10 4.3b,4.1s 33 20-133
ISCJB XII 16 17 26 27.9–.47 11.6S–.10 13.35W–.09 10 4.3b,4.1s **¶12077784**
IDC XII 16 17 26 28.5–.73 11.62S 13.47W 0 4.1,4.0
NEIC XII 16 17 26 29.4–.55 11.63S 13.41W 10 4.7b,4.0
GCMT XII 16 17 26 34.5–.20 11.63S 13.44W 16–1 5.0W,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=11.0km az=150.1.
IDC Error ellipse: s-maj=27.9km s-min=17.6km az=126.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=13.4km az=148.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s42,c50; s90,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.08±.12 $M_{\theta\theta}$-1.61±.12; $M_{\phi\phi}$1.69±.13; $M_{r\theta}$0.92±.29; $M_{\theta\phi}$3.40±.10; $M_{\phi r}$-1.10±.32; Best double couple: NP1:ϕ_s256.00000°,δ72.00000°,λ-8.00000°. NP2:ϕ_s348.00000°,δ82.00000°,λ-162.00000°. Principal axes: T 3.8700,Plg7.0000° ,Azm121.0000°; N 0.3200,Plg70.0000°,Azm11.0000°; P -4.1900,Plg18.0000°,Azm213.0000° M_o4.00000×10^{16}
ISC XII 19 14 25 05.1–.34 7.09S–.05 12.99W–.07 10 4.5b,4.4s 113 15-146
ISCJB XII 19 14 25 03.1–.33 7.06S–.05 13.01W–.07 10 4.5b,4.4s **¶11538969**
IDC XII 19 14 25 03.3–.52 7.06S 12.99W 0 4.4,4.3b
NEIC XII 19 14 25 05.1–.32 7.06S 12.95W 10 4.9b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.4km az=16.8.
IDC Error ellipse: s-maj=17.6km s-min=12.7km az=104.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.1km az=106.0.

(409) South Atlantic Ocean.

ISC X 25 20 12 45.8–.26 16.79S–.05 23.39W–.06 10 4.8b,4.1s 149 16-154
ISCJB X 25 20 12 43.8–.26 16.76S–.05 23.37W–.06 10 4.8b,4.1s **¶11395430**
IDC X 25 20 12 44.2–.51 16.64S 23.37W 0 4.5,4.4
NEIC X 25 20 12 45.8–.26 16.73S 23.38W 10 5.0b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.3km az=23.0.
IDC Error ellipse: s-maj=17.1km s-min=14.7km az=135.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.6km az=128.0.
ISC XII 19 22 55 20.0–.54 31.66S–.07 49.58W–.09 10 3.9b 35 8-149
ISCJB XII 19 22 55 18.1–.55 31.66S–.08 49.5W–.10 10 3.9b **¶12078263**
IDC XII 19 22 55 18.4–.65 31.77S 49.59W 0 4.8L,4.1
NEIC XII 19 22 55 19.8–.49 31.67S 49.55W 10 4.0b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.7km s-min=10.9km az=151.3.
IDC Error ellipse: s-maj=22.0km s-min=18.0km az=61.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.5km az=61.0.

(410) Southern Mid-Atlantic Ridge.

ISC VII 01 10 38 09.3–.35 33.09S–.07 15.99W–.10 10 4.8b,4.0s 91 26-150
ISCJB VII 01 10 38 07.5–.35 33.12S–.07 15.99W–.10 10 4.8b,4.0s **¶11008875**
IDC VII 01 10 38 07.5–.64 33.09S 15.98W 0 4.4,4.3
NEIC VII 01 10 38 09.3–.24 33.08S 16.01W 10 5.0b,4.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=9.0km az=34.3.
IDC Error ellipse: s-maj=24.5km s-min=15.6km az=155.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.1km az=128.0.
ISC VII 15 05 07 14.9–.45 47.16S–.08 12.8W–.10 10 5.3s,4.8b 55 24-172
IDC VII 15 05 07 10.3–.55 47.21S 12.20W 0 5.1s,5.1 **¶11126410**
ISCJB VII 15 05 07 11.9–.43 47.15S–.08 12.5W–.10 10 5.3s,4.8b
NEIC VII 15 05 07 11.9–.37 47.37S 12.17W 10 5.3s,5.2b
GCMT VII 15 05 07 18.7–.20 47.56S 11.93W 18–0 5.7W,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=14.2km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=10.8km az=24.9.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=10.0km az=159.0.
GCMT Event type se. Data Used: II IU CN G IC. Surface waves: sta=100, comp=184, per= 50. Moment Tensor Solution. s72,c102; s54,c61; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.79±.09 $M_{\theta\theta}$2.91±.09; $M_{\phi\phi}$-2.12±.08; $M_{r\theta}$-0.43±.21; $M_{\theta\phi}$-4.03±.08; $M_{\phi r}$-0.55±.21; Best double couple: NP1:ϕ_s344.00000°,δ82.00000°,λ-7.00000°. NP2:ϕ_s75.00000°,δ83.00000°,λ-172.00000°. Principal axes: T 5.1500,Plg1.0000°,Azm209.0000°; N -0.6600,Plg79.0000°,Azm113.0000° ; P -4.4900,Plg11.0000°,Azm299.0000° M_o4.80000×10^{17}
ISC VII 23 05 04 32.4–.71 42.25S–.20 18.4W–.10 10 4.2b,3.6s 11 33-143
ISCJB VII 23 05 04 30.5–.71 42.25S–.20 18.4W–.10 10 4.2b,3.6s **¶11812419**
IDC VII 23 05 04 30.8–.99 42.19S 18.41W 0 4.3,4.2
NEIC VII 23 05 04 32.1–.53 42.18S 18.43W 10 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=14.0km az=172.2.
IDC Error ellipse: s-maj=33.4km s-min=20.6km az=4.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=10.7km az=172.0.
ISC VIII 02 19 07 00.9–.55 31.32S–.09 13.2W–.10 10 4.3b,3.8s 22 6-148
IDC VIII 02 19 06 58.4–.89 31.13S 13.35W 0 4.2,4.2 **¶11907711**
ISCJB VIII 02 19 06 59.0–.55 31.35S–.09 13.2W–.10 10 4.3b,3.8s
NEIC VIII 02 19 06 60.0–.49 31.21S 13.29W 10 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=23.5km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=12.9km az=23.5.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=12.1km az=117.0.
ISC VIII 02 19 17 53.6–.68 33.0S–.10 16.3W–.20 10 4.2b 12 36-70
ISCJB VIII 02 19 17 51.6–.68 33.0S–.10 16.3W–.20 10 4.2b **¶11907712**
IDC VIII 02 19 17 51.8–1.3 33.04S 16.24W 0 4.1b,4.1
NEIC VIII 02 19 17 53.4–.68 33.02S 16.26W 10 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=17.8km az=18.8.
IDC Error ellipse: s-maj=33.2km s-min=28.7km az=66.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=18.1km az=103.0.
ISC VIII 08 08 30 55.0–.57 26.5S–.10 13.7W–.10 10 4.0b,3.9s 15 30-146
ISCJB VIII 08 08 30 53.1–.57 26.6S–.10 13.7W–.10 10 4.0b,3.9s **¶11907954**
IDC VIII 08 08 30 53.1–.70 26.57S 13.69W 0 4.1,4.0
NEIC VIII 08 08 30 54.6–.46 26.51S 13.70W 10 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=13.0km az=167.5.
IDC Error ellipse: s-maj=24.8km s-min=17.9km az=167.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.2km az=170.0.
IDC VIII 08 08 44 11.7–.89 26.46S 13.80W 0 4.0,3.9b
¶12580980
IDC Error ellipse: s-maj=31.5km s-min=22.9km az=164.0.
ISC VIII 17 15 39 08.6–.38 52.94S–.06 4.4W–.10 10 5.2s,4.8b 43 18-158
ISCJB VIII 17 15 39 07.0–.37 52.95S–.06 4.4W–.10 10 5.2s,4.8b **¶11167631**
IDC VIII 17 15 39 06.7–.48 52.90S 4.57W 0 5.0s,5.0
NEIC VIII 17 15 39 08.4–.30 52.87S 4.45W 10 5.1s,5.0b
GCMT VIII 17 15 39 12.6 52.94S 4.09W 15 5.6W,5.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=8.9km az=179.9.
IDC Error ellipse: s-maj=18.2km s-min=16.9km az=114.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.7km az=149.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=223, per= 50. Moment Tensor Solution. s80,c138; s56,c62; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.05±.04 $M_{\theta\theta}$-3.17±.04; $M_{\phi\phi}$3.22±.04; $M_{r\theta}$0.21±.11; $M_{\theta\phi}$0.38±.03; $M_{\phi r}$-0.32±.11; Best double couple: NP1:ϕ_s228.00000°,δ83.00000°,λ1.00000°. NP2:ϕ_s138.00000°,δ89.00000°,λ173.00000°. Principal axes: T 3.2700,Plg5.0000°,Azm93.0000°; N -0.0600,Plg83.0000°,Azm311.0000° ; P -3.2100,Plg4.0000°,Azm184.0000° M_o3.20000×10^{17}
IDC IX 07 00 23 25.1–6.2 16.09S 14.54W 0 4.2,4.2
¶11909662
IDC Error ellipse: s-maj=280.7km s-min=127.2km az=128.0.
ISC IX 08 22 06 25.8–.39 22.43S–.07 12.46W–.07 10 4.5b,4.3s 63 9-151
ISCJB IX 08 22 06 23.8–.39 22.40S–.07 12.44W–.07 10 4.5b,4.3s **¶13393826**
IDC IX 08 22 06 24.2–.77 22.29S 12.38W 0 4.3s,4.3
NEIC IX 08 22 06 25.4–.47 22.45S 12.49W 10 4.8b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=8.8km az=150.9.
IDC Error ellipse: s-maj=24.8km s-min=17.1km az=172.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.3km az=147.0.
ISC IX 08 23 11 02.6–.39 22.41S–.07 12.82W–.07 10 4.3b,4.0s 44 9-150
ISCJB IX 08 23 11 00.6–.39 22.38S–.07 12.81W–.07 10 4.3b,4.0s **¶11909850**
IDC IX 08 23 11 01.4–.61 22.42S 12.82W 0 4.2b,3.9s
NEIC IX 08 23 11 02.6–.34 22.42S 12.82W 10 4.5b,3.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.3km az=143.1.
IDC Error ellipse: s-maj=22.5km s-min=15.3km az=150.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.8km az=145.0.
ISC IX 17 18 14 28.2–.47 28.09S–.10 13.20W–.09 10 4.4s,4.1b 25 30-146
ISCJB IX 17 18 14 26.4–.47 28.12S–.10 13.20W–.09 10 4.4s,4.1b **¶13394537**
IDC IX 17 18 14 26.5–.55 28.09S 13.23W 0 4.4s,4.4
NEIC IX 17 18 14 28.0–.41 28.11S 13.19W 10 4.7b,4.4
GCMT IX 17 18 14 29.5–.20 28.04S 13.18W 12 5.1W,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=11.5km az=158.1.
IDC Error ellipse: s-maj=18.2km s-min=15.3km az=132.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.9km az=158.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s28,c32; s87,c142; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.22±.12 $M_{\theta\theta}$0.70±.11; $M_{\phi\phi}$4.52±.11; $M_{r\theta}$0.01±.45; $M_{\theta\phi}$-1.49±.10; $M_{\phi r}$0.72±.39; Best double couple: NP1:ϕ_s339.00000°,δ41.00000°,λ-94.00000°. NP2:ϕ_s164.00000°,δ49.00000°,λ-87.00000°. Principal axes: T 5.0800,Plg4.0000° ,Azm251.0000°; N 0.2000,Plg3.0000°,Azm341.0000°; P -5.2800,Plg85.0000°,Azm105.0000° M_o5.20000×10^{16}
ISC IX 17 21 03 40.3–.28 28.19S–.05 12.88W–.07 10 4.7b,4.4s 117 9-146
SZGRF IX 17 21 03 35.1 29.49S 13.15W 33 5.0b,4.5s **¶11279486**
IDC IX 17 21 03 38.0–.52 28.31S 12.81W 0 4.4,4.4
ISCJB IX 17 21 03 38.3–.28 28.21S–.05 12.87W–.07 10 4.7b,4.4s
NEIC IX 17 21 03 40.0–.24 28.20S 12.86W 10 4.9b,4.5s
GCMT IX 17 21 03 42.7–.20 28.29S 12.65W 12 5.0W,4.5s
ISC Event type se.
SZGRF Southern Mid-Atlantic Ridge.
IDC Error ellipse: s-maj=17.7km s-min=14.5km az=149.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=7.0km az=26.5.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.2km az=119.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c42; s86,c137; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03±.10 $M_{\theta\theta}$1.82±.10; $M_{\phi\phi}$-1.79±.10; $M_{r\theta}$-0.25±.26; $M_{\theta\phi}$-3.73±.08; $M_{\phi r}$0.42±.28; Best double couple: NP1:ϕ_s257.00000°,δ84.00000°,λ178.00000°. NP2:ϕ_s347.00000°,δ88.00000°,λ6.00000°. Principal axes: T 4.2000,Plg6.0000° ,Azm212.0000°; N -0.0600,Plg83.0000°,Azm4.0000°; P -4.1400,Plg3.0000°,Azm122.0000° M_o4.20000×10^{16}
ISC IX 19 08 58 05.7–.41 16.95S–.08 16.58W–.08 10 4.5b,3.6s 44 22-150
ISCJB IX 19 08 58 03.9–.41 16.91S–.08 16.57W–.08 10 4.5b,3.6s **¶11910615**
IDC IX 19 08 58 03.3–.64 16.95S 16.57W 0 4.3,4.2
NEIC IX 19 08 58 05.5–.43 17.00S 16.50W 10 4.8b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=10.1km az=145.9.
IDC Error ellipse: s-maj=20.7km s-min=15.0km az=155.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.8km az=152.0.
ISC IX 19 16 09 03.6–1.2 16.9S–.20 16.0W–.30 10 4.0b,3.5s 8 31-85
ISCJB IX 19 16 09 01.9–1.2 16.9S–.20 16.0W–.30 10 4.0b,3.5s **¶11910632**
NEIC IX 19 16 09 03.4–1.2 16.94S 15.98W 10 4.2b,3.5s
IDC IX 19 16 09 05.1–6.7 16.70S 15.49W 0 4.1,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.6km s-min=22.2km az=12.1.
NEIC Event type se. Error ellipse: s-maj=36.8km s-min=21.2km az=102.0.
IDC Error ellipse: s-maj=176.0km s-min=38.1km az=68.0.
ISC IX 21 09 13 55.4–.75 14.0S–.20 14.0W–.20 10 4.2b,3.9s 26 22-147
ISCJB IX 21 09 13 53.5–.75 14.0S–.20 14.0W–.20 10 4.2b,3.9s **¶11910758**
IDC IX 21 09 13 54.9–1.1 13.56S 14.43W 0 4.2,4.1
NEIC IX 21 09 13 55.0–.71 14.08S 13.94W 10 4.8b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.3km s-min=11.4km az=40.9.
IDC Error ellipse: s-maj=44.9km s-min=19.1km az=139.0.
NEIC Event type se. Error ellipse: s-maj=33.8km s-min=11.3km az=130.0.
ISC IX 24 17 12 16.1–.21 22.70S–.04 12.81W–.05 10 5.1b,5.0s 402 28-152
ISCJB IX 24 17 12 14.3–.21 22.65S–.04 12.84W–.05 10 5.1b,5.0s **¶13395113**
IDC IX 24 17 12 14.2–.39 22.75S 12.77W 0 4.8s,4.8
MOS IX 24 17 12 14.1–.75 22.62S 12.84W 10 5.3b,4.8s
NEIC IX 24 17 12 15.8–.17 22.71S 12.76W 10 5.2b,5.0s
GCMT IX 24 17 12 16.6–.10 22.77S 12.80W 12 5.3W,5.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.5km az=19.7.
IDC Error ellipse: s-maj=13.3km s-min=11.9km az=155.0.
MOS Error ellipse: s-maj=13.6km s-min=5.0km az=74.2.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.3km az=117.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves from 100 sta. Moment Tensor Solution. s67,c102; s99,c180; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.10±.02 $M_{\theta\theta}$0.06±.02; $M_{\phi\phi}$1.04±.02; $M_{r\theta}$-0.19±.05; $M_{\theta\phi}$0.04±.02; $M_{\phi r}$0.31±.04; Best double couple: NP1:ϕ_s11.00000° ,δ38.00000°,λ-76.00000°. NP2:ϕ_s173.00000°,δ54.00000°,λ-101.00000°. Principal axes: T 1.0800,Plg8.0000°,Azm271.0000°; N 0.0900,Plg9.0000°,Azm179.0000° ; P -1.1700,Plg78.0000°,Azm42.0000° M_o1.10000×10^{17}
ISC IX 24 17 24 47.0–.69 22.7S–.10 12.8W–.10 10 4.2s,4.1b 12 28-76
ISCJB IX 24 17 24 44.8–.70 22.7S–.10 12.8W–.10 10 4.2s,4.1b **¶11910938**
IDC IX 24 17 24 45.1–.82 22.67S 12.80W 0 4.3s,4.2
NEIC IX 24 17 24 47.0–.62 22.70S 12.88W 10 4.9b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=17.0km az=27.3.
IDC Error ellipse: s-maj=24.3km s-min=20.0km az=110.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=15.5km az=126.0.
ISC IX 30 22 31 20.4–.44 47.16S–.08 11.2W–.10 10 4.2b,3.8s 26 24-150
ISCJB IX 30 22 31 18.8–.44 47.10S–.08 11.2W–.10 10 4.2b,3.8s **¶11911495**
IDC IX 30 22 31 19.2–.72 47.05S 11.15W 0 4.3,4.3
NEIC IX 30 22 31 20.4–.33 47.10S 11.22W 10 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=10.9km az=154.9.

IDC Error ellipse: s-maj=20.4km s-min=18.3km az=153.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.6km az=177.0.
IDC X 07 22 03 01.4–1.2 44.36S 15.59W 0 4.2,4.1
¶12066295

IDC Error ellipse: s-maj=43.9km s-min=30.5km az=53.0.
IDC X 11 20 09 20.6–1.1 44.84S 16.06W 0 4.2b,4.2
¶12066609

IDC Error ellipse: s-maj=104.2km s-min=27.8km az=97.0.
IDC X 12 19 54 12.9–6.6 16.32S 14.46W 0 3.9b,3.9
¶12068488

IDC Error ellipse: s-maj=222.8km s-min=125.8km az=107.0.
IDC XI 08 23 42 56.8–1.2 23.80S 13.48W 0 4.0,4.0
¶12072884

IDC Error ellipse: s-maj=44.4km s-min=31.7km az=171.0.

ISC	**XI**	**25 01 19 47.6–.42**	**46.80S–.08**	**10.7W–.10**	**10**	**4.7s,4.5b**	**36**	**24-152**
ISCJB	XI	25 01 19 45.7–.42	46.79S–.08	10.7W–.10	10	4.7s,4.5b		**¶11474924**
IDC	XI	25 01 19 45.9–.60	46.78S	10.71W	0	4.6s,4.6		
BJI	XI	25 01 19 47.6	46.70S	10.70W	10	5.5s,5.5b		
NEIC	XI	25 01 19 47.5–.39	46.78S	10.72W	10	5.0b,5.5b		
GCMT	XI	25 01 19 52.6–.20	47.09S	10.27W	15–1	5.4W,5.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=9.4km az=150.4.
IDC Error ellipse: s-maj=17.5km s-min=16.8km az=140.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.0km az=158.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s58,c89; s98,c168; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.24±.03 $M_{\theta\theta}$0.76±.03; $M_{\phi\phi}$-0.52±.03; $M_{r\theta}$-0.10±.07; $M_{\theta\phi}$-1.10±.02; $M_{\phi r}$-0.55±.09; Best double couple: NP1:ϕ_s77.00000°,δ68.00000°,λ-167.00000°. NP2:ϕ_s342.00000°,δ78.00000°,λ-23.00000°. Principal axes: T 1.4100,Plg7.0000° ,Azm31.0000°; N -0.0200,Plg64.0000°,Azm136.0000°; P -1.3900,Plg25.0000° ,Azm298.0000° $M_0$1.40000×10^{17}

IDC XI 26 18 01 18.4–3.2 12.92S 14.30W 0 3.9,3.8
¶12074928

IDC Error ellipse: s-maj=258.8km s-min=29.8km az=107.0.
IDC XI 27 18 16 03.5–1.7 49.11S 8.05W 0 4.1b,4.1
¶12075056

IDC Error ellipse: s-maj=54.5km s-min=35.5km az=74.0.

ISC	**XII**	**20 08 55 18.0–.61**	**41.8S–.10**	**16.2W–.10**	**10**	**4.2b,4.1s**	**19**	**31-151**
IDC	XII	20 08 55 14.9–.82	42.13S	16.12W	0	4.1s,4.1		**¶12078302**
ISCJB	XII	20 08 55 16.1–.61	41.8S–.10	16.2W–.10	10	4.2b,4.1s		
NEIC	XII	20 08 55 17.6–.56	41.73S	16.14W	10	4.5b,4.1s		

ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=20.2km az=180.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=15.1km az=21.1.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=16.9km az=188.0.
IDC XII 20 15 35 50.6–3.0 41.96S 16.32W 0 3.9,3.9
¶12078343

IDC Error ellipse: s-maj=98.7km s-min=36.3km az=153.0.

ISC	**XII**	**20 21 05 17.5–.17**	**31.18S–.03**	**13.39W–.04**	**10**	**5.5s,5.5b**	**547**	**6-168**
SZGRF	XII	20 21 05 11.8	32.09S	14.79W	33	6.2b,5.3s		**¶11514986**
ISCJB	XII	20 21 05 15.8–.17	31.18S–.03	13.41W–.04	10	5.5s,5.5b		
IDC	XII	20 21 05 15.5–.37	31.14S	13.35W	0	5.5s,5.5		
MOS	XII	20 21 05 16.0–.80	31.12S	13.45W	10	6.0b,5.4s		
NEIC	XII	20 21 05 16.2–.14	31.19S	13.34W	4	5.8b,5.8W		
BJI	XII	20 21 05 17.4	31.20S	13.40W	10	6.0s,5.9b		
DJA	XII	20 21 05 18	31.12S	13.84W	10	5.3b,5.9b		
GCMT	XII	20 21 05 22.4–.10	31.23S	13.27W	12	5.8W,5.9b		

ISC Event type se.
SZGRF Southern Mid-Atlantic Ridge.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.7km az=44.4.
IDC Error ellipse: s-maj=13.6km s-min=11.4km az=151.0.
MOS Error ellipse: s-maj=13.6km s-min=5.1km az=74.1.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.1km az=127.0. Moment Tensor Solution. s61 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.31 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$2.64 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.34 $M_{\phi r}$1.40 Best double couple: NP1:ϕ_s178.00000°,δ60.00000°,λ-85.00000°. NP2:ϕ_s348.00000° ,δ31.00000°,λ-99.00000°. Principal axes: T 3.0400,Plg14.0000°,Azm264.0000° ; N -0.3600,Plg4.0000°,Azm355.0000°; P -2.6900,Plg74.0000°,Azm101.0000° $M_0$2.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=121, comp=278, per= 50. Moment Tensor Solution. s104,c196; s82,c102; Moment tensor: Scale 10^{17}Nm; M_{rr}-5.73±.04 $M_{\theta\theta}$-0.23±.04; $M_{\phi\phi}$5.96±.04; $M_{r\theta}$-0.51±.13; $M_{\theta\phi}$-0.62±.04; $M_{\phi r}$0.78±.12; Best double couple: NP1:ϕ_s359.00000°,δ41.00000°,λ-83.00000°. NP2:ϕ_s170.00000°,δ49.00000°,λ-96.00000°. Principal axes: T 6.0800,Plg4.0000°,Azm264.0000°; N -0.2600,Plg4.0000°,Azm174.0000° ; P -5.8200,Plg84.0000°,Azm36.0000° $M_0$6.00000×10^{17}

ISC	**XII**	**20 22 13 48.9–.31**	**30.96S–.06**	**13.44W–.08**	**10**	**4.9b,4.9s**	**103**	**6-150**
ISCJB	XII	20 22 13 47.1–.31	30.96S–.06	13.45W–.08	10	4.9b,4.9s		**¶11517499**
IDC	XII	20 22 13 48.0–.55	31.05S	13.52W	0	4.9s,4.9		
NEIC	XII	20 22 13 48.1–.34	31.12S	13.42W	10	5.3b,4.9		
GCMT	XII	20 22 13 53.8	31.25S	13.26E	12	5.3b,4.9		
GCMT	XII	20 22 13 54.1–.20	31.23S	13.29W	12	5.4W,4.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=8.1km az=11.5.
IDC Error ellipse: s-maj=17.4km s-min=15.4km az=167.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.0km az=106.0.
GCMT Event type se.
GCMT Event type se. Data Used: II IU G IC CN. Surface waves: sta=113, comp=207, per= 50. Moment Tensor Solution. s55,c75; s23,c23; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.49±.02 $M_{\theta\theta}$0.08±.02; $M_{\phi\phi}$1.42±.02; $M_{r\theta}$-0.25±.08; $M_{\theta\phi}$-0.29±.02; $M_{\phi r}$0.03±.07; Best double couple: NP1:ϕ_s357.00000°,δ44.00000°,λ-77.00000°. NP2:ϕ_s160.00000°,δ47.00000°,λ-102.00000°. Principal axes: T 1.4800,Plg2.0000°,Azm258.0000°; N 0.0500,Plg9.0000°,Azm168.0000° ; P -1.5300,Plg81.0000°,Azm358.0000° $M_0$1.50000×10^{17}

(411) Tristan da Cunha region.

ISC	**IX**	**05 20 41 35.7–.46**	**34.28S–.08**	**14.5W–.10**	**10**	**4.4b,4.3s**	**25**	**3-150**
ISCJB	IX	05 20 41 34.0–.46	34.25S–.08	14.5W–.10	10	4.4b,4.3s		**¶11909553**
IDC	IX	05 20 41 35.1–.78	34.09S	14.59W	0	4.3s,4.3		
NEIC	IX	05 20 41 35.6–.52	34.26S	14.55W	10	4.5b,4.3		
GCMT	IX	05 20 41 40.8–.30	34.14S	14.42W	16–1	5.1W,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=10.8km az=166.2.
IDC Error ellipse: s-maj=27.3km s-min=20.0km az=161.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=13.9km az=221.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s25,c26; s78,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.80±.21 $M_{\theta\theta}$-2.18±.19; $M_{\phi\phi}$2.99±.19; $M_{r\theta}$0.10±.54; $M_{\theta\phi}$4.14±.15; $M_{\phi r}$1.12±.50; Best double couple: NP1:ϕ_s74.00000°,δ78.00000°,λ2.00000°. NP2:ϕ_s344.00000°,δ88.00000°,λ168.00000°. Principal axes: T 5.4600,Plg9.0000° ,Azm299.0000°; N -0.9200,Plg78.0000°,Azm157.0000°; P -4.5300,Plg7.0000°,Azm30.0000° $M_0$5.00000×10^{16}

(412) Bouvet Island region.

ISC	**IX**	**15 04 03 12.8–.45**	**51.49S–.07**	**0.6W–.20**	**10**	**4.4b,3.6s**	**23**	**20-158**
ISCJB	IX	15 04 03 10.8–.45	51.48S–.07	0.6W–.20	10	4.4b,3.6s		**¶11910311**
IDC	IX	15 04 03 10.9–.54	51.49S	0.63W	0	4.3,4.2		
NEIC	IX	15 04 03 12.3–.36	51.49S	0.56W	10	4.6b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=10.7km az=7.3.
IDC Error ellipse: s-maj=18.1km s-min=15.9km az=104.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.1km az=98.0.

ISC	**XI**	**14 02 05 10.2–.17**	**53.82S–.03**	**8.87E–.08**	**10**	**5.5b,5.5s**	**271**	**17-169**
IDC	XI	14 02 05 07.8–.39	53.69S	8.78E	0	5.4,5.4		**¶11452915**
BJI	XI	14 02 05 07.7	53.70S	8.70E	10	5.8b,5.7s		
ISCJB	XI	14 02 05 08.7–.17	53.84S–.03	8.81E–.08	10	5.5b,5.5s		
PRE	XI	14 02 05 08.5–5.3	53.70S	8.75E	10–0	5.4b,5.5s		
NEIC	XI	14 02 05 09.9–.16	53.79S	8.73E	12	5.9W,5.8W		
MOS	XI	14 02 05 09.9–1.1	53.78S	9.02E	17	5.6b,5.4s		
DJA	XI	14 02 05 11	53.72S	8.60E	10	5.3b,5.4s		
GCMT	XI	14 02 05 13.1–.10	53.78S	9.09E	14–0	5.9W,5.4s		

ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=13.0km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.5km az=177.1.
PRE Error ellipse: s-maj=142.2km s-min=274.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.7km az=103.0. Moment Tensor Solution. s26 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40 $M_{\theta\theta}$5.49 $M_{\phi\phi}$-6.89 $M_{r\theta}$-0.23 $M_{\theta\phi}$1.48 $M_{\phi r}$-0.51 Best double couple: NP1:ϕ_s218.00000°,δ90.00000°,λ175.00000°. NP2:ϕ_s308.00000° ,δ85.00000°,λ0.00000°. Principal axes: T 5.6800,Plg3.0000°,Azm173.0000° ; N 1.4100,Plg84.0000°,Azm33.0000°; P -7.0900,Plg3.0000°,Azm263.0000° $M_0$6.50000×10^{17}
MOS Error ellipse: s-maj=22.6km s-min=7.5km az=90.2.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=117, comp=259, per= 50. Moment Tensor Solution. s100,c197; s84,c113; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.89±.06 $M_{\theta\theta}$8.49±.08; $M_{\phi\phi}$-7.60±.07; $M_{r\theta}$-0.29±.14; $M_{\theta\phi}$2.33±.06; $M_{\phi r}$0.03±.15; Best double couple: NP1:ϕ_s217.00000°,δ88.00000°,λ179.00000°. NP2:ϕ_s307.00000°,δ89.00000°,λ2.00000°. Principal axes: T 8.8300,Plg2.0000°,Azm172.0000°; N -0.8900,Plg88.0000°,Azm333.0000° ; P -7.9300,Plg1.0000°,Azm82.0000° $M_0$8.40000×10^{17}

ISC	**XI**	**14 02 43 54.1–.32**	**53.92S–.04**	**8.6E–.10**	**10**	**4.8s,4.8b**	**82**	**17-164**
ISCJB	XI	14 02 43 52.4–.32	53.93S–.04	8.5E–.10	10	4.8s,4.8b		**¶11452916**
MOS	XI	14 02 43 52.8–1.3	53.87S	8.57E	10	4.8b,4.8b		
IDC	XI	14 02 43 52.4–.49	53.83S	8.59E	0	4.8,4.8s		
BJI	XI	14 02 43 52.4	53.80S	8.60E	10	5.7s,5.5b		
NEIC	XI	14 02 43 54.3–.20	53.83S	8.58E	10	5.1b,5.5b		
GCMT	XI	14 02 43 58.1–.20	53.86S	8.82E	16–1	5.4W,5.5b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.2km az=10.5.
MOS Error ellipse: s-maj=27.9km s-min=10.8km az=86.2.
IDC Error ellipse: s-maj=19.7km s-min=14.3km az=92.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.8km az=103.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=197, per= 50. Moment Tensor Solution. s57,c84; s28,c31; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.04 $M_{\theta\theta}$1.73±.04; $M_{\phi\phi}$-1.50±.03; $M_{r\theta}$-0.03±.10; $M_{\theta\phi}$0.35±.03; $M_{\phi r}$-0.28±.11; Best double couple: NP1:ϕ_s308.00000°,δ81.00000°,λ-7.00000°. NP2:ϕ_s40.00000°,δ83.00000°,λ-171.00000°. Principal axes: T 1.7700,Plg2.0000°,Azm174.0000°; N -0.1800,Plg78.0000°,Azm75.0000° ; P -1.5900,Plg12.0000°,Azm264.0000° $M_0$1.70000×10^{17}

(413) Southwest of Africa.

ISC	**VIII**	**26 02 28 26.0–.30**	**52.51S–.05**	**12.2E–.10**	**10**	**5.0b,4.3s**	**71**	**18-164**
IDC	VIII	26 02 28 23.3–.40	52.53S	12.46E	0	4.7,4.7		**¶11908826**
ISCJB	VIII	26 02 28 24.4–.30	52.49S–.06	12.1E–.10	10	5.0b,4.3s		
NEIC	VIII	26 02 28 24.8–.23	52.51S	12.39E	10	4.7b,4.3s		
GCMT	VIII	26 02 28 27.7–.30	52.65S	12.29E	12	5.2W,4.3s		

ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=12.3km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=8.1km az=9.8.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.9km az=118.0.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s25,c30; s73,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.85±.21 $M_{\theta\theta}$5.48±.16; $M_{\phi\phi}$0.37±.22; $M_{r\theta}$0.08±.62; $M_{\theta\phi}$0.04±.19; $M_{\phi r}$4.12±.94; Best double couple: NP1:ϕ_s113.00000°,δ50.00000°,λ-54.00000°. NP2:ϕ_s245.00000°,δ51.00000°,λ-125.00000°. Principal axes: T 5.4800,Plg1.0000° ,Azm359.0000°; N 2.4200,Plg26.0000°,Azm269.0000°; P -7.9000,Plg64.0000°,Azm91.0000° $M_0$6.70000×10^{16}

ISC	**IX**	**17 03 36 00.6–9.1**	**52.65S–.10**	**18.9E–.20**	**6–58**	**4.0b,3.5s**	**11**	**18-166**
ISCJB	IX	17 03 35 59.3–.65	52.62S–.09	18.8E–.20	10	4.0b,3.5s		**¶11910448**
IDC	IX	17 03 35 59.5–.75	52.65S	18.96E	0	4.2,4.1		
NEIC	IX	17 03 36 00.7–.39	52.62S	18.86E	10	4.3b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=12.9km az=172.5.
IDC Error ellipse: s-maj=28.2km s-min=19.7km az=71.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.8km az=73.0.

ISC	**IX**	**17 04 30 08.2–.75**	**52.5S–.10**	**18.9E–.20**	**10**	**4.2b,3.5s**	**15**	**19-166**
ISCJB	IX	17 04 30 07.2–.65	52.7S–.10	18.6E–.20	10	4.2b,3.5s		**¶11910450**
IDC	IX	17 04 30 07.0–.80	52.57S	18.71E	0	4.3,4.2		
NEIC	IX	17 04 30 08.2–.46	52.51S	18.96E	10	4.4b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=13.5km az=151.8.
IDC Error ellipse: s-maj=29.7km s-min=21.6km az=58.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=12.5km az=48.0.
IDC IX 17 07 02 38.1–.84 52.70S 18.95E 0 4.0,4.0
¶11910459

IDC Error ellipse: s-maj=34.6km s-min=20.0km az=76.0.
IDC IX 17 07 23 40.5–1.1 52.63S 18.82E 0 4.0,3.8
¶11910460

IDC Error ellipse: s-maj=41.7km s-min=29.1km az=73.0.

ISC	**IX**	**17 09 04 42.4–.58**	**52.68S–.08**	**18.8E–.30**	**10**	**4.1b,3.7s**	**15**	**20-166**
ISCJB	IX	17 09 04 40.5–.58	52.66S–.09	18.7E–.30	10	4.2b,3.7s		**¶11910463**
IDC	IX	17 09 04 40.8–.65	52.68S	18.87E	0	4.3,4.2		
NEIC	IX	17 09 04 42.0–.37	52.68S	18.79E	10	4.2b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=12.2km az=174.0.
IDC Error ellipse: s-maj=28.6km s-min=16.3km az=77.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=9.5km az=84.0.

ISC	**IX**	**17 13 57 33.1–1.8**	**52.5S–.30**	**18.8E–.30**	**10**	**3.8b**	**8**	**21-166**
ISCJB	IX	17 13 57 31.7–1.8	52.6S–.30	18.7E–.30	10	3.8b		**¶11910478**
IDC	IX	17 13 57 32.6–1.1	52.65S	18.92E	0	4.0,3.8b		
NEIC	IX	17 13 57 33.4–.87	52.57S	18.86E	10	4.0b,3.8b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=41.9km s-min=27.1km az=169.7.
IDC Error ellipse: s-maj=34.5km s-min=28.6km az=56.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=22.8km az=223.0.

ISC	**IX**	**17 17 48 08.5–.55**	**52.74S–.09**	**18.9E–.20**	**10**	**4.2b,3.7s**	**14**	**20-166**
ISCJB	IX	17 17 48 06.7–.54	52.74S–.09	18.7E–.20	10	4.2b,3.7s		**¶11910495**
IDC	IX	17 17 48 06.4–.57	52.71S	18.87E	0	4.3,4.2		
NEIC	IX	17 17 48 08.1–.46	52.75S	18.84E	10	4.6b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=12.5km az=178.4.
IDC Error ellipse: s-maj=22.5km s-min=16.4km az=81.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=11.9km az=91.0.

ISC	**IX**	**17 20 40 28.3–.82**	**52.6S–.10**	**18.8E–.30**	**10**	**3.9b**	**12**	**20-166**
ISCJB	IX	17 20 40 26.6–.83	52.6S–.20	18.7E–.30	10	3.9b		**¶11910512**
IDC	IX	17 20 40 26.7–.73	52.63S	18.85E	0	4.1,4.0		
NEIC	IX	17 20 40 27.9–.48	52.60S	18.79E	10	4.2b,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.0km s-min=19.0km az=140.0.
IDC Error ellipse: s-maj=29.0km s-min=20.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=13.9km az=60.0.

ISC	**IX**	**17 20 51 45.8–.72**	**52.62S–.10**	**18.7E–.40**	**10**	**4.4s,4.0b**	**11**	**20-166**
ISCJB	IX	17 20 51 43.7–.72	52.6S–.10	18.5E–.40	10	4.4s,4.0b		**¶11910513**
IDC	IX	17 20 51 44.3–.75	52.62S	18.79E	0	4.4s,4.4		
NEIC	IX	17 20 51 45.5–.51	52.62S	18.61E	10	4.0b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.6km s-min=14.0km az=171.9.
IDC Error ellipse: s-maj=39.5km s-min=17.2km az=76.0.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=11.4km az=82.0.

ISC	**IX**	**17 20 55 49.1–.67**	**52.70S–.10**	**19.0E–.30**	**10**	**4.2b,3.8s**	**12**	**20-166**
ISCJB	IX	17 20 55 47.1–.67	52.67S–.10	18.8E–.30	10	4.2b,3.8s		**¶11910514**
IDC	IX	17 20 55 47.4–.69	52.70S	18.92E	0	4.3,4.3		
NEIC	IX	17 20 55 48.6–.47	52.71S	18.84E	10	4.3b,4.3		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.6km s-min=13.6km az=170.8.
IDC Error ellipse: s-maj=37.2km s-min=17.1km az=74.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=11.2km az=81.0.

ISC	**IX**	**18 19 50 19.8–.69**	**52.6S–.10**	**19.0E–.20**	**10**	**4.1b,3.7s**	**13**	**20-166**
ISCJB	IX	18 19 50 18.1–.68	52.6S–.10	18.9E–.30	10	4.1b,3.7s		**¶11910578**
IDC	IX	18 19 50 18.2–.68	52.62S	18.98E	0	4.2,4.1		
NEIC	IX	18 19 50 19.5–.52	52.61S	18.95E	10	4.7b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=15.8km az=150.6.
IDC Error ellipse: s-maj=28.5km s-min=18.0km az=62.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=13.6km az=64.0.

ISC	**IX**	**22 18 02 49.9–.72**	**52.69S–.10**	**18.8E–.20**	**10**	**4.1b,3.6s**	**15**	**18-166**
ISCJB	IX	22 18 02 48.0–.72	52.66S–.10	18.7E–.20	10	4.1b,3.6s		**¶11910845**
IDC	IX	22 18 02 48.3–.69	52.63S	18.86E	0	4.2,4.1		
NEIC	IX	22 18 02 49.5–.45	52.59S	18.86E	10	3.6b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.1km s-min=13.9km az=168.6.
IDC Error ellipse: s-maj=27.3km s-min=18.4km az=66.0.

NEIC Event type se. Error ellipse: s-maj=16.6km s-min=12.3km az=65.0.
ISC XI 15 05 34 56.8–.53 52.62S–.07 17.4E–.20 10 4.0b,3.9s 32 20-165
ISCJB XI 15 05 34 54.8–.50 52.57S–.07 17.4E–.20 10 4.0b,3.9s ¶12073595
IDC XI 15 05 34 54.8–.64 52.44S 17.70E 0 4.1,4.0
NEIC XI 15 05 34 56.2–.50 52.42S 17.69E 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=10.3km az=5.0.
IDC Error ellipse: s-maj=24.3km s-min=17.0km az=78.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=13.5km az=83.0.
ISC XI 17 16 13 28.4–.80 52.6S–.10 18.1E–.20 10 4.2b,3.8s 23 18-166
ISCJB XI 17 16 13 26.6–.81 52.6S–.10 18.0E–.20 10 4.2b,3.8s ¶12073876
IDC XI 17 16 13 26.5–.70 52.44S 18.25E 0 4.4,4.2
NEIC XI 17 16 13 27.9–.40 52.38S 18.37E 10 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=15.1km az=166.8.
IDC Error ellipse: s-maj=28.0km s-min=18.2km az=62.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=13.1km az=59.0.

(738) Reykjanes Ridge.

IDC VII 24 03 59 12.9–1.8 57.45N 34.10W 0 3.7,3.5
¶12698414
IDC Error ellipse: s-maj=69.6km s-min=21.0km az=172.0.
IDC VII 24 04 00 06.8–3.8 57.07N 33.97W 0 3.7,3.6b
¶12698415
IDC Error ellipse: s-maj=98.9km s-min=30.4km az=9.0.
ISC VIII 26 19 10 06.3–.94 54.1N–.20 35.3W–.20 10 3.8b,3.3s 18 18-149
ISCJB VIII 26 19 10 04.3–.94 54.1N–.20 35.4W–.20 10 3.8b,3.3s ¶11908873
IDC VIII 26 19 10 05.1–1.3 54.07N 35.24W 0 3.8,3.7
NEIC VIII 26 19 10 06.4–.89 54.07N 35.34W 10 4.4b,3.7
CSEM VIII 26 19 10 06.4 54.07N 35.34W 10 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.8km s-min=13.3km az=2.2.
IDC Error ellipse: s-maj=46.7km s-min=21.3km az=10.0.
NEIC Event type se. Error ellipse: s-maj=33.7km s-min=13.5km az=182.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
IDC VIII 30 20 19 18.4–2.7 54.28N 34.49W 0 3.6L,3.4
¶12581580
IDC Error ellipse: s-maj=72.1km s-min=41.1km az=45.0.
ISC IX 03 09 17 47.8–.54 59.90N–.07 29.7W–.10 10 3.7b,3.6s 45 5-92
IDC IX 03 09 17 45.7–.83 59.67N 30.07W 0 4.0,4.0L ¶11909356
ISCJB IX 03 09 17 46.0–.56 59.96N–.07 29.8W–.10 10 3.7b,3.6s
REY IX 03 09 17 47.6 59.34N 27.56W 10 3.7L,3.0L
NEIC IX 03 09 17 47.6–.61 59.75N 29.86W 10 4.0b,3.0L
CSEM IX 03 09 17 47.2–.32 59.88N 29.76W 10 3.7L,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=16.9km az=16.0.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=5.3km az=137.6.
REY Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=11.5km az=181.0.
CSEM Event type ke. Error ellipse: s-maj=14.8km s-min=7.7km az=142.0.
ISC IX 03 09 51 14.8–1.1 60.1N–.20 30.0W–.20 10 3.5b 10 6-57
ISCJB IX 03 09 51 13.1–1.2 60.1N–.20 30.0W–.20 10 3.5b ¶11656339
IDC IX 03 09 51 15.1–4.4 60.20N 30.35W 0 3.8L,3.6
NEIC IX 03 09 51 15.0–1.3 60.06N 30.11W 10 4.0b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=9.9km az=150.8.
IDC Error ellipse: s-maj=96.9km s-min=31.9km az=143.0.
NEIC Event type se. Error ellipse: s-maj=38.4km s-min=13.4km az=166.0.
ISC IX 03 09 51 30.1–.19 59.79N–.06 29.85W–.04 10 4.7s,4.3b 224 6-152
ISCJB IX 03 09 51 28.2–.19 59.81N–.06 29.90W–.05 10 4.7s,4.3b ¶11909360
IDC IX 03 09 51 28.4–.62 59.84N 29.95W 0 4.7,4.7s
NEIC IX 03 09 51 30.0–.19 59.76N 29.83W 10 4.6b,4.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=3.4km az=5.9.
IDC Error ellipse: s-maj=19.9km s-min=11.6km az=178.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.5km az=8.0.
ISC IX 03 09 52 48.3–.10 59.95N–.02 29.77W–.02 10 4.7b,4.6s 669 5-151
GCMT IX 03 09 52 45.9–.20 59.81N 29.59W 12 5.2W,4.6s ¶13393282
BJI IX 03 09 52 45.8 60.10N 30.10W 7 5.1b,4.9b
IDC IX 03 09 52 45.8–.50 59.85N 29.92W 0 4.5s,4.5
CSEM IX 03 09 52 46.4–.10 59.95N 29.86W 2 5.2W,4.9b
ISCJB IX 03 09 52 46.5–.10 60.01N–.02 29.79W–.02 10 4.7b,4.6s
MOS IX 03 09 52 46.2–1.2 59.85N 29.91W 10 4.9b,4.6s
NEIC IX 03 09 52 47.9–.17 59.91N 29.85W 10 4.8b,4.8s
REY IX 03 09 52 48.2 59.45N 27.80W 10 4.1L,3.5L
IGIL IX 03 09 52 52.3 59.87N 29.86W 33 4.8b,3.5L
SZGRF IX 03 09 52 57.2 59.89N 27.96W 33 4.8b,4.7s
ISC Event type ke.
GCMT Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s22,c26; s87,c156; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.99±.17 $M_{\theta\theta}$0.78±.18; $M_{\phi\phi}$6.21±.13; $M_{r\theta}$1.48±.75; $M_{\theta\phi}$1.33±.13; $M_{\theta r}$-3.29±.53; Best double couple: NP1:ϕ_s205.00000°,δ35.00000°,λ-67.00000°. NP2:ϕ_s358.00000°,δ58.00000°,λ-105.00000°. Principal axes: T 7.1300,Plg12.0000° ,Azm99.0000°; N 0.9800,Plg13.0000°,Azm6.0000°; P -8.1100,Plg72.0000°,Azm231.0000° $M_0$7.60000×10^{16}
IDC Error ellipse: s-maj=16.4km s-min=10.7km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.5km az=17.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=0.8.
MOS Error ellipse: s-maj=8.4km s-min=5.9km az=36.3.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.0km az=20.0.
REY Event type ke.
SZGRF North Atlantic Ocean.
ISC IX 03 09 57 09.2–1.2 59.8N–.20 30.2W–.20 10 3.7b 10 6-159
ISCJB IX 03 09 57 07.6–1.2 59.8N–.20 30.2W–.20 10 3.7b ¶11909362
IDC IX 03 09 57 07.3–2.0 59.70N 30.22W 0 3.9,3.8
NEIC IX 03 09 57 09.0–.90 59.75N 30.26W 10 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.8km s-min=13.9km az=8.0.
IDC Error ellipse: s-maj=56.0km s-min=21.6km az=7.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=11.3km az=187.0.
ISC IX 03 09 59 00.5–2.0 59.91N–.08 29.6W–.20 3–14 3.7b 41 5-60
ISCJB IX 03 09 58 59.8–1.6 59.98N–.08 29.6W–.20 8–12 3.7b ¶11909364
IDC IX 03 09 59 00.1–1.5 59.91N 29.68W 0 4.0L,3.8
NEIC IX 03 09 59 01.3–1.1 59.85N 29.74W 10 4.2b,3.8
CSEM IX 03 09 59 01.0–.41 59.91N 29.65W 10 3.5L,3.8
REY IX 03 09 59 02.1 59.43N 27.58W 10 3.5L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.4km s-min=9.1km az=35.4.
IDC Error ellipse: s-maj=34.8km s-min=23.5km az=31.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=18.0km az=32.0.
CSEM Event type ke. Error ellipse: s-maj=16.0km s-min=8.7km az=127.0.
REY Event type ke.
ISC IX 07 22 39 29.4–.89 54.1N–.10 35.2W–.20 10 3.6b,3.0s 13 18-149
ISCJB IX 07 22 39 27.6–.89 54.1N–.10 35.2W–.20 10 3.6b,3.0s ¶11909760
IDC IX 07 22 39 27.9–1.2 54.16N 35.14W 0 3.9,3.8
NEIC IX 07 22 39 29.2–.73 54.09N 35.19W 10 3.5b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=13.0km az=20.7.
IDC Error ellipse: s-maj=33.4km s-min=21.1km az=27.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=11.6km az=199.0.
ISC IX 22 23 34 01.3–.14 54.31N–.05 35.14W–.03 10 4.6b,4.0s 446 13-148
BJI IX 22 23 33 57.0 54.30N 35.10W 10 5.2b,5.0s ¶13394990
IDC IX 22 23 33 59.0–.49 54.31N 35.15W 0 4.4,4.3
ISCJB IX 22 23 33 59.4–.14 54.31N–.05 35.16W–.03 10 4.6b,4.0s
CSEM IX 22 23 34 00.8–.08 54.32N 35.14W 10 4.8W,4.7b
NEIC IX 22 23 34 01.0–.14 54.27N 35.15W 10 4.7b,4.7b
GCMT IX 22 23 34 02.5–.30 54.45N 35.10W 13–1 4.8W,4.7b
ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=10.5km az=176.0.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=2.2km az=2.2.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=2.5km az=3.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=2.3km az=183.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s19,c23; s68,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.99±.16 $M_{\theta\theta}$0.18±.09; $M_{\phi\phi}$1.81±.11; $M_{r\theta}$0.22±.24; $M_{\theta\phi}$-0.05±.06; $M_{\theta r}$0.19±.22; Best double couple: NP1:ϕ_s352.00000°,δ43.00000°,λ-99.00000°. NP2:ϕ_s184.00000°,δ48.00000°,λ-82.00000°. Principal axes: T 1.8200,Plg3.0000° ,Azm268.0000°; N 0.2100,Plg6.0000°,Azm359.0000°; P -2.0200,Plg84.0000°,Azm154.0000° $M_0$1.90000×10^{16}
ISC X 28 07 43 12.0–.54 52.65N–.09 32.97W–.10 10 3.9b,3.7s 51 14-149
ISCJB X 28 07 43 10.1–.54 52.67N–.09 33.05W–.10 10 3.9b,3.7s ¶12071316
IDC X 28 07 43 10.4–.74 52.68N 32.96W 0 4.2L,4.1
NEIC X 28 07 43 11.7–.43 52.63N 33.00W 10 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=8.4km az=9.4.
IDC Error ellipse: s-maj=22.0km s-min=16.2km az=180.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.2km az=8.0.
ISC XI 04 06 05 38.2–.54 53.2N–.10 35.3W–.10 10 4.0b,3.1s 41 19-149
ISCJB XI 04 06 05 36.3–.52 53.2N–.10 35.3W–.10 10 4.0b,3.1s ¶12072220
IDC XI 04 06 05 36.8–.65 53.22N 35.23W 0 4.1,4.0
NEIC XI 04 06 05 38.1–.43 53.22N 35.24W 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=8.9km az=1.9.
IDC Error ellipse: s-maj=20.6km s-min=13.9km az=176.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.0km az=180.0.
ISC XI 06 10 24 22.8–.10 56.80N–.04 34.13W–.03 10 4.7b,4.4s 908 10-147
BJI XI 06 10 24 17.1 56.63N 35.09W 5 5.3b,5.1s ¶13399417
MOS XI 06 10 24 20.7–.82 56.76N 34.17W 10 4.9b,5.1s
IDC XI 06 10 24 20.6–.60 56.74N 34.22W 0 4.5,4.4
ISCJB XI 06 10 24 21.0–.10 56.80N–.04 34.17W–.03 10 4.7b,4.4s
NEIC XI 06 10 24 22.6–.11 56.81N 34.14W 10 4.9b,4.4s
GCMT XI 06 10 24 24.5–.40 56.76N 34.11W 13–1 5.1W,4.4s
CSEM XI 06 10 24 24.6–.06 56.83N 34.13W 26 5.1W,4.8b
ISC Event type ke.
MOS Error ellipse: s-maj=7.8km s-min=6.8km az=18.5.
IDC Error ellipse: s-maj=18.5km s-min=10.8km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=1.9km az=8.9.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=1.9km az=189.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s12,c14; s71,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.85±.33 $M_{\theta\theta}$1.43±.26; $M_{\phi\phi}$1.42±.25; $M_{r\theta}$-0.43±.53; $M_{\theta\phi}$4.55±.18; $M_{\theta r}$-1.07±.58; Best double couple: NP1:ϕ_s264.00000°,δ57.00000°,λ-26.00000°. NP2:ϕ_s9.00000°,δ68.00000°,λ-145.00000°. Principal axes: T 6.1000,Plg7.0000° ,Azm135.0000°; N -2.6000,Plg49.0000°,Azm37.0000°; P -3.5100,Plg40.0000° ,Azm230.0000° $M_0$4.80000×10^{16}
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.2km az=12.0.
ISC XI 24 10 32 21.8–.52 53.1N–.10 35.49W–.09 10 4.1b 71 16-149
IDC XI 24 10 32 19.8–.73 53.20N 35.32W 0 4.1,4.0b ¶12074669
ISCJB XI 24 10 32 20.1–.53 53.2N–.10 35.52W–.09 10 4.1b,4.0b
CSEM XI 24 10 32 20.9–.31 53.13N 35.39W 10 4.1b,4.0b
NEIC XI 24 10 32 21.2–.49 53.16N 35.38W 10 4.1b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=13.0km az=4.0.
ISCJB Event type ke. Error ellipse: s-maj=17.0km s-min=7.1km az=12.6.
CSEM Event type ke. Error ellipse: s-maj=18.7km s-min=9.9km az=5.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=7.6km az=184.0.
IDC XII 07 12 03 33.4–3.8 55.47N 35.08W 0 3.7,3.6
¶12076178
IDC Error ellipse: s-maj=104.2km s-min=37.3km az=16.0.
ISC XII 25 07 51 33.1–.63 57.7N–.10 32.7W–.20 10 3.5b,3.5s 23 12-63
ISCJB XII 25 07 51 31.1–.63 57.7N–.10 32.7W–.20 10 3.5b,3.5s ¶12078895
IDC XII 25 07 51 31.5–.74 57.69N 32.75W 0 3.8,3.6
NEIC XII 25 07 51 33.0–.56 57.72N 32.69W 10 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=10.6km az=36.1.
IDC Error ellipse: s-maj=32.2km s-min=15.7km az=35.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=9.7km az=218.0.

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ISC VII 01 04 55 57.1–1.2 36.97N–.06 12.28W–.07 10 128 3-7
MDD VII 01 04 55 54.5–2.2 36.79N 12.47W 0 3.7b ¶11223654
NEIC VII 01 04 55 54.4 36.79N 12.45W 0 3.7
CSEM VII 01 04 55 56.9–.50 36.91N 12.27W 10 3.0L
INMG VII 01 04 55 56.0–.78 36.60N 12.83W 10–0 2.1L
ISC Event type ke.
MDD Error ellipse: s-maj=18.7km s-min=17.5km az=52.0. PRIMO.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=8.3km az=32.0.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=124.0.
ISC VII 04 19 03 35.6–1.1 36.41N–.06 10.48W–.07 10 155 2-5
MDD VII 04 19 03 34.9–1.6 36.37N 10.53W 0 2.2 ¶11163084
NEIC VII 04 19 03 34.0 36.35N 10.59W 0 3.7
IGIL VII 04 19 03 34.3 36.35N 10.65W 2 1.9L
INMG VII 04 19 03 35.9–.93 36.31N 10.56W 10–0 1.7L
CSEM VII 04 19 03 35.5–.26 36.42N 10.49W 10 2.9L
ISC Event type ke.
MDD Error ellipse: s-maj=15.4km s-min=13.9km az=152.0. PRIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=6.9km s-min=5.0km az=107.0.
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=4.4km az=43.0.
ISC VII 08 05 01 47.1–.87 36.76N–.04 10.93W–.05 10 226 2-8
NEIC VII 08 05 01 45.0 36.56N 11.12W 7 3.6 ¶11121186
IGIL VII 08 05 01 44.4 36.46N 11.23W 18 2.2L
MDD VII 08 05 01 45.5–1.6 36.63N 11.03W 0 2.5
CSEM VII 08 05 01 47.2–.31 36.76N 10.92W 10 3.1L
INMG VII 08 05 01 47.1–.82 36.57N 11.03W 10–0 1.9L
ISC Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=13.6km s-min=11.7km az=49.0.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=56.0.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=3.2km az=85.0.
ISC VII 08 16 05 33.7–1.5 36.93N–.08 11.00W–.10 10 87 2-5
MDD VII 08 16 05 33.5–2.2 36.82N 10.99W 0 2.0 ¶11223669
NEIC VII 08 16 05 33.6 36.93N 11.00W 0 3.9
INMG VII 08 16 05 34.2–.88 36.70N 11.07W 10–0 1.6L
CSEM VII 08 16 05 34.2–.39 36.80N 10.91W 10 2.6L
ISC Event type ke.
MDD Error ellipse: s-maj=28.2km s-min=18.6km az=157.0.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=10.8km s-min=6.1km az=141.0.
CSEM Event type ke. Error ellipse: s-maj=12.0km s-min=6.5km az=150.0.
INMG VII 17 00 47 02.0–.89 36.79N 13.84W 10–0 2.6L
MDD VII 17 00 46 57.2–1.3 36.80N 13.69W 0 4.5b ¶11163168
NEIC VII 17 00 46 59.8 37.02N 13.57W 0 4.3
CSEM VII 17 00 47 00.1–.47 36.80N 13.60W 30 3.2L
IGIL VII 17 00 47 00.2 37.02N 13.57W 2 2.8L
LDG VII 17 00 47 01.6–.27 36.88N 13.73W 30–0 3.2L
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=2.1km az=131.0.
MDD Error ellipse: s-maj=17.9km s-min=11.8km az=148.0.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=13.3km s-min=8.9km az=151.0.
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=4.8km az=136.0.
ISC VII 17 01 39 20.1–.81 37.68N–.04 13.17W–.05 10 283 3-12
IGIL VII 17 01 39 15.8 37.47N 13.58W 2 2.6L ¶11163169
NEIC VII 17 01 39 15.2 37.47N 13.58W 0 4.3
INMG VII 17 01 39 16.8–2.0 37.34N 13.97W 10–0 2.7L
MDD VII 17 01 39 16.4–1.7 37.49N 13.48W 0 4.1b
LDG VII 17 01 39 17.5–.28 37.42N 13.72W 30–0 3.2L
ISCJB VII 17 01 39 19.6–.69 37.77N–.03 13.09W–.05 10 3.2L
CSEM VII 17 01 39 20.1–.33 37.65N 13.16W 10 3.4L
ISC Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=8.0km s-min=3.9km az=125.0.
MDD Error ellipse: s-maj=14.6km s-min=12.7km az=66.0.
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=4.5km az=85.0.

ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.7km az=3.1.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.1km az=68.0.
ISC VII 18 07 12 40.0–.55 36.89N–.03 10.43W–.04 10 326 1-10
ISCJB VII 18 07 12 36.9–.56 36.86N–.03 10.56W–.05 10 ¶11136634
MDD VII 18 07 12 40.4–.87 36.83N 10.76W 40 3.0
CSEM VII 18 07 12 40.9–.28 36.87N 10.59W 30 3.7L
IGIL VII 18 07 12 41.6 36.85N 10.71W 30 2.7L
NEIC VII 18 07 12 41.3 36.89N 10.72W 40 4.2
INMG VII 18 07 12 42.4–.73 36.86N 10.67W 31–0 2.8,2.7L
LDG VII 18 07 12 42.2–.17 36.92N 10.69W 30–0 3.3L,2.7L
CNRM VII 18 07 12 42.1 36.69N 10.60W 30 3.5,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=21.8.
MDD Error ellipse: s-maj=8.6km s-min=5.4km az=90.0.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.0km az=91.0.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=51.0.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=34.0.
CNRM Event type ke.
ISC VII 25 22 29 37.1–.76 36.92N–.04 10.95W–.05 10 306 2-11
NEIC VII 25 22 29 34.2 36.76N 11.13W 0 2.8 ¶11163257
MDD VII 25 22 29 35.1–1.3 36.78N 11.08W 0 4.2b
IGIL VII 25 22 29 35.9 36.61N 11.27W 31 2.4L
LDG VII 25 22 29 35.6–.21 36.67N 11.35W 30–0 2.9L
INMG VII 25 22 29 36.8–.91 36.67N 11.26W 31–0 2.2L
CSEM VII 25 22 29 37.8–.32 36.86N 11.06W 30 3.2L
ISC Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=11.7km s-min=8.8km az=44.0.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=31.0.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.3km az=41.0.
MDD VIII 03 09 42 31.1–1.4 37.72N 18.45W 0 4.2
PDA VIII 03 09 42 29.6 37.87N 18.58W 10 4.6L ¶11158526
CSEM VIII 03 09 42 29.7–.26 37.73N 18.79W 30 3.8L
IDC VIII 03 09 42 30.1–2.5 37.44N 18.41W 0 4.3L,4.0
IGIL VIII 03 09 42 31.7 37.78N 18.67W 10 3.7L,4.0
NEIC VIII 03 09 42 31.0 37.84N 18.72W 21 4.1,4.0
LDG VIII 03 09 42 31.4–.19 37.71N 18.76W 30–0 4.1L,4.0
INMG VIII 03 09 42 36.9–2.8 37.75N 18.52W 10–0 3.8L,4.0
MDD Error ellipse: s-maj=15.9km s-min=8.9km az=122.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=5.3km az=174.0.
IDC Error ellipse: s-maj=53.7km s-min=37.6km az=73.0.
NEIC Event type se. After MDD.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=156.0.
INMG Event type ke. Error ellipse: s-maj=19.4km s-min=6.0km az=107.0.
ISC VIII 03 19 13 05.3–1.5 37.16N–.06 10.62W–.09 10 93 1-5
MDD VIII 03 19 13 05.0–2.0 37.10N 10.65W 0 3.5b ¶11358918
INMG VIII 03 19 13 05.5–1.1 36.92N 10.88W 31–0 1.8L
CSEM VIII 03 19 13 06.3–.56 37.12N 10.72W 30 2.7L
ISC Event type ke.
MDD Error ellipse: s-maj=16.1km s-min=12.7km az=53.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=9.0km s-min=5.8km az=77.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=7.7km az=63.0.
ISC VIII 11 22 09 27.6–1.3 37.12N–.06 10.74W–.08 10 99 2-5
CSEM VIII 11 22 09 27.2–.71 37.03N 10.90W 30 2.6L ¶11358972
MDD VIII 11 22 09 29.6–1.8 37.35N 10.68W 0 3.5b
INMG VIII 11 22 09 31.0–1.2 36.78N 10.79W 31–0 1.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=12.1km s-min=9.0km az=43.0.
MDD Error ellipse: s-maj=17.2km s-min=10.6km az=48.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=18.1km s-min=10.2km az=135.0.
ISC VIII 19 07 59 33.7–.74 35.12N–.03 12.32W–.05 10 253 3-10
MDD VIII 19 07 59 30.2–1.5 35.12N 12.73W 0 4.3b ¶11207922
CNRM VIII 19 07 59 31.9 35.11N 12.72W 30 3.6
ISCJB VIII 19 07 59 31.3–.77 35.14N–.03 12.33W–.06 10 3.6
NEIC VIII 19 07 59 32.0 35.45N 12.84W 0 3.4
INMG VIII 19 07 59 32.5–1.8 34.94N 13.02W 10–0 3.0L
CSEM VIII 19 07 59 34.5–.48 35.10N 12.26W 10 3.0L
ISC Event type ke.
MDD Error ellipse: s-maj=15.7km s-min=10.0km az=97.0. PRIMO.
CNRM Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.7km s-min=4.8km az=9.6.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=10.6km s-min=5.0km az=131.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=5.8km az=90.0.
ISC VIII 20 13 21 14.7–1.3 37.34N–.06 12.87W–.07 10 133 3-7
IGIL VIII 20 13 21 12.1 37.26N 13.11W 0 ¶11227220
MDD VIII 20 13 21 12.1–2.3 37.22N 13.10W 0 4.1b
CSEM VIII 20 13 21 14.8–.48 37.36N 12.88W 10 3.1L
INMG VIII 20 13 21 16.1–1.1 36.99N 13.33W 10–0 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=17.9km s-min=15.9km az=48.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=8.0km s-min=7.3km az=45.0.
INMG Event type ke. Error ellipse: s-maj=10.9km s-min=7.3km az=110.0.
INMG VIII 21 08 06 15.2–.76 35.11N 11.84W 10–0 2.0L
IGIL VIII 21 08 06 14.9 35.18N 11.80W 0 2.0L ¶11227230
MDD VIII 21 08 06 14.4–2.6 35.10N 11.66W 0 3.7b
CSEM VIII 21 08 06 16.8–.52 35.29N 11.57W 10 2.7L
INMG Event type ke. Error ellipse: s-maj=13.0km s-min=5.1km az=128.0.
MDD Error ellipse: s-maj=39.4km s-min=20.0km az=127.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=15.7km s-min=8.1km az=126.0.
ISC IX 12 05 23 13.1–1.1 37.42N–.07 16.83W–.07 10 199 4-10
NEIC IX 12 05 23 12.1 37.70N 17.19W 0 3.9 ¶11362298
INMG IX 12 05 23 15.2–2.2 37.40N 17.45W 10–0 3.1L
CSEM IX 12 05 23 18.2–.39 37.81N 16.63W 10 4.0L
MDD IX 12 05 23 19.6–3.4 37.86N 16.39W 0 3.8b
ISC Event type ke.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=13.8km s-min=4.3km az=119.0.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=6.3km az=155.0.
MDD Error ellipse: s-maj=36.8km s-min=27.9km az=159.0. PRIMO.
ISC IX 18 09 42 02.2–.64 38.26N–.03 11.49W–.04 10 390 2-10
IGIL IX 18 09 41 59.3 38.04N 12.06W 30 3.2L ¶11362315
NEIC IX 18 09 42 00.3 38.20N 12.00W 32 3.2
MDD IX 18 09 42 00.3–1.4 38.16N 11.99W 34–47 4.9b
ISCJB IX 18 09 42 01.3–.69 38.32N–.03 11.44W–.05 10 4.9b
CSEM IX 18 09 42 01.4–.44 38.23N 11.56W 10 4.2L
CNRM IX 18 09 42 02.3 37.95N 11.66W 30 3.5
INMG IX 18 09 42 02.7–1.9 38.06N 12.03W 9–62 3.0L
ISC Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=22.1km s-min=7.3km az=69.0. PRIMO.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=3.7km az=157.6.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=5.3km az=71.0.
CNRM Event type ke.
INMG Event type ke. Error ellipse: s-maj=34.9km s-min=6.1km az=77.0.
ISC IX 21 19 11 32.2–.86 37.25N–.06 12.88W–.06 10 112 3-7
MDD IX 21 19 11 29.7–2.1 37.11N 13.08W 0 4.0b ¶11362330
ISCJB IX 21 19 11 30.8–.88 37.33N–.06 12.87W–.06 10 4.0b
INMG IX 21 19 11 30.9–1.2 36.97N 13.49W 4–145 2.1L
NEIC IX 21 19 11 30.3 37.11N 13.02W 0 3.8
CSEM IX 21 19 11 32.6–.32 37.26N 12.86W 10 3.2L
ISC Event type ke.
MDD Error ellipse: s-maj=22.4km s-min=17.9km az=178.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.1km az=149.1.
INMG Event type ke. Error ellipse: s-maj=120.0km s-min=9.8km az=73.0.
NEIC Event type se. After MDD.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=5.0km az=145.0.
ISC IX 24 00 03 55.0–1.3 37.64N–.08 15.50W–.08 10 101 5-9
MDD IX 24 00 03 49.9–2.8 37.47N 15.95W 0 3.8b ¶11362339
NEIC IX 24 00 03 50.0 37.50N 15.94W 0 3.8
INMG IX 24 00 03 51.8–1.1 37.30N 16.32W 10–0 2.4L
CSEM IX 24 00 03 55.0–.36 37.51N 15.48W 10 3.2L
ISC Event type ke.
MDD Error ellipse: s-maj=36.2km s-min=21.5km az=165.0. PRXIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=11.6km s-min=4.4km az=128.0.
CSEM Event type ke. Error ellipse: s-maj=12.5km s-min=5.8km az=170.0.
ISC X 01 17 48 37.5–1.1 36.92N–.05 10.95W–.06 10 176 2-11
MDD X 01 17 48 36.7–1.8 36.83N 11.03W 0 2.8 ¶11339675
NEIC X 01 17 48 36.4 36.83N 11.03W 0 3.3L,2.7
IGIL X 01 17 48 37.6 36.62N 11.19W 31 2.6L,2.7
INMG X 01 17 48 38.2–.93 36.72N 11.03W 10–0 2.2L,2.7
LDG X 01 17 48 38.7–.58 36.98N 10.99W 80–0 3.3L,2.7
CSEM X 01 17 48 38.0–.36 36.88N 10.91W 10 3.1L,2.7
ISC Event type ke.
MDD Error ellipse: s-maj=14.5km s-min=13.0km az=59.0. PRIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=5.8km s-min=4.0km az=98.0.
LDG Event type ke. Error ellipse: s-maj=10.5km s-min=8.7km az=103.0.
CSEM Event type ke. Error ellipse: s-maj=6.4km s-min=5.5km az=104.0.
ISC X 02 12 27 24.9–1.0 35.46N–.06 11.47W–.07 10 128 3-9
NEIC X 02 12 27 21.6 35.34N 11.71W 0 3.9 ¶11449902
MDD X 02 12 27 21.8–1.9 35.32N 11.70W 0 4.5b
IGIL X 02 12 27 22.7 35.34N 11.71W 1 2.6L
INMG X 02 12 27 23.5–.84 35.23N 11.67W 10–0 2.4L
CSEM X 02 12 27 24.8–.46 35.45N 11.45W 10 3.9b
ISC Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=20.6km s-min=16.0km az=139.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=4.3km az=114.0.
CSEM Event type ke. Error ellipse: s-maj=10.9km s-min=7.9km az=134.0.
ISC X 04 23 53 08.0–.67 36.98N–.03 10.95W–.04 10 305 2-11
NEIC X 04 23 53 04.7 36.87N 11.22W 0 3.1L ¶11339699
MDD X 04 23 53 06.0–1.2 36.88N 11.11W 0 4.3b
IGIL X 04 23 53 06.3 36.72N 11.34W 31 2.6L
INMG X 04 23 53 07.2–1.0 36.80N 11.17W 10–0 2.5L
LDG X 04 23 53 07.1–.47 37.09N 10.97W 20–0 3.1L
CSEM X 04 23 53 07.7–.30 36.97N 10.98W 10 3.5L
ISC Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=10.6km s-min=7.9km az=55.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=84.0.
LDG Event type ke. Error ellipse: s-maj=8.7km s-min=6.2km az=55.0.
CSEM Event type ke. Error ellipse: s-maj=5.7km s-min=4.1km az=59.0.
ISC X 09 19 32 57.9–.70 37.13N–.03 10.75W–.04 10 270 2-8
NEIC X 09 19 32 55.7 37.00N 10.91W 0 2.9 ¶11449924
ISCJB X 09 19 32 56.1–.74 37.15N–.03 10.81W–.05 10 2.9
CSEM X 09 19 32 56.7–.34 37.06N 10.81W 10 3.6L
MDD X 09 19 32 56.9–1.2 37.03N 10.83W 0 3.0
IGIL X 09 19 32 57.2 36.93N 11.00W 18 2.7L
INMG X 09 19 32 57.5–.96 37.00N 10.95W 10–0 2.5L
CNRM X 09 19 32 57.9 36.76N 10.97W 30 3.2
ISC Event type ke.
NEIC Event type se. After MDD.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=143.8.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=72.0.
MDD Error ellipse: s-maj=11.0km s-min=7.2km az=62.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=74.0.
CNRM Event type ke.
ISC X 10 00 22 07.0–.73 35.97N–.03 10.02W–.05 10 250 2-9
ISCJB X 10 00 22 05.2–.74 35.91N–.03 9.98W–.05 10 ¶11449926
NEIC X 10 00 22 05.9 35.97N 10.49W 70 3.5
MDD X 10 00 22 05.6–1.3 35.91N 10.18W 0 3.0
IGIL X 10 00 22 06.1 35.87N 10.16W 1 2.8L
INMG X 10 00 22 06.6–.83 35.84N 10.22W 10–0 2.6L
CSEM X 10 00 22 07.3–.34 35.99N 10.01W 10 3.7L
CNRM X 10 00 22 08.0 35.51N 10.19W 30 3.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=155.4.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=11.2km s-min=9.8km az=55.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=79.0.
CSEM Event type ke. Error ellipse: s-maj=6.0km s-min=4.8km az=49.0.
CNRM Event type ke.
MDD X 12 15 59 23.0–1.8 37.24N 13.88W 0 4.4b
NEIC X 12 15 59 23.2 37.28N 13.85W 0 4.2 ¶11449932
INMG X 12 15 59 24.7–1.6 37.09N 14.26W 10–0 2.3L
IGIL X 12 15 59 24.2 37.28N 13.85W 0 2.3L
CSEM X 12 15 59 26.2–.32 37.38N 13.61W 10 3.2L
MDD Error ellipse: s-maj=16.3km s-min=14.6km az=45.0. PRXIMO.
NEIC Event type se. After MDD.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=4.9km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=6.2km s-min=5.4km az=33.0.
ISC X 13 14 22 38.2–1.2 37.80N–.06 15.44W–.07 10 88 5-9
IGIL X 13 14 22 30.7 37.47N 16.17W 0 2.8L ¶11434340
MDD X 13 14 22 32.5–2.6 37.58N 15.96W 0 3.9b
INMG X 13 14 22 34.9–.94 37.44N 16.28W 10–0 2.4L
CSEM X 13 14 22 38.8–.51 37.82N 15.39W 10 3.2L
ISC Event type ke.
MDD Error ellipse: s-maj=25.6km s-min=22.1km az=168.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=13.6km s-min=8.4km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=8.6km az=21.0.
ISC X 17 04 55 00.8–1.3 38.48N–.06 14.14W–.08 10 47 4-8
MDD X 17 04 54 57.4–2.5 38.38N 14.47W 0 3.7b ¶11525969
INMG X 17 04 55 00.5–.66 37.99N 14.82W 10–0 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=22.7km s-min=16.5km az=52.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=10.9km s-min=7.9km az=129.0.
ISC X 19 23 34 23.3–.43 37.28N–.03 12.87W–.03 10 3.7b 693 3-97
SZGRF X 19 23 34 00.5 36.54N 16.67W 33 4.0b ¶11361734
INMG X 19 23 34 08.7–1.9 36.86N 14.20W 10–0 3.9L,3.8
IDC X 19 23 34 14.7–1.6 36.88N 13.54W 0 4.3L,4.0
NEIC X 19 23 34 16.5–.63 37.07N 13.51W 10 3.9b,4.0
MDD X 19 23 34 19.9–1.0 37.18N 13.20W 0 4.7b,4.0
ISCJB X 19 23 34 20.9–.44 37.28N–.03 12.87W–.03 10 3.7b,4.0
IGIL X 19 23 34 21.2 37.23N 13.18W 0 4.0L,4.0
LDG X 19 23 34 21.9–.17 37.25N 13.19W 2–0 4.0L,4.0
SFS X 19 23 34 22.0 37.10N 13.30W 60 4.4L,4.0
CSEM X 19 23 34 24.3–.30 37.38N 12.83W 10 4.5L,4.0
CNRM X 19 23 34 24.0 36.69N 13.19W 30 4.0,4.0
ISC Event type ke.
SZGRF Azores-Cape St. Vincent Ridge.
INMG Event type ke. Error ellipse: s-maj=8.1km s-min=6.4km az=20.0.
IDC Error ellipse: s-maj=37.2km s-min=22.9km az=72.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.7km az=70.0.
MDD Error ellipse: s-maj=9.5km s-min=7.1km az=74.0. PRXIMO.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.4km az=26.0.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=73.0.
SFS Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=4.5km az=51.0.
CNRM Event type ke.
ISC X 20 00 00 25.5–1.0 37.32N–.05 12.88W–.06 10 142 3-8
NEIC X 20 00 00 21.6 37.21N 13.18W 0 3.3 ¶11434355
MDD X 20 00 00 22.9–1.9 37.19N 13.10W 0 3.7b
IGIL X 20 00 00 23.4 37.22N 13.12W 0 2.4L
INMG X 20 00 00 24.1–1.1 36.99N 13.49W 10–0 2.2L
CSEM X 20 00 00 25.4–.35 37.32N 12.88W 10 3.1L
ISC Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=17.1km s-min=14.5km az=35.0. PRXIMO.

INMG Event type ke. Error ellipse: s-maj=6.6km s-min=6.3km az=33.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.4km az=41.0.
ISC X 22 00 26 25.2–1.3 36.81N–.06 10.88W–.08 10 95 2-5
NEIC X 22 00 26 23.9 36.76N 10.97W 0 4.0 **¶11526001**
MDD X 22 00 26 24.5–2.0 36.75N 10.93W 0 1.9
CSEM X 22 00 26 25.2–.29 36.80N 10.87W 10 2.5L
INMG X 22 00 26 25.0–1.1 36.66N 11.01W 10–0 1.8L
ISC Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=18.5km s-min=15.8km az=125.0. PRXIMO.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=117.0.
INMG Event type ke. Error ellipse: s-maj=8.3km s-min=5.3km az=106.0.
ISC X 29 19 34 35.7–1.4 37.45N–.08 12.95W–.09 10 64 3-6
MDD X 29 19 34 32.9–2.6 37.31N 13.18W 0 3.6b **¶11526021**
INMG X 29 19 34 34.5–.97 37.21N 13.58W 10–0 2.2L
CSEM X 29 19 34 35.6–.46 37.43N 12.95W 10 2.6L
ISC Event type ke.
MDD Error ellipse: s-maj=26.8km s-min=22.2km az=173.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=8.0km s-min=7.3km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=8.2km az=169.0.
ISC XI 12 21 37 01.8–1.0 37.25N–.05 13.25W–.06 10 133 4-7
NEIC XI 12 21 36 57.5 37.15N 13.60W 0 3.7 **¶13399940**
MDD XI 12 21 36 58.2–3.2 37.16N 13.52W 0 3.7b
INMG XI 12 21 37 00.6–1.0 36.92N 13.84W 10–0 2.3L
CSEM XI 12 21 37 01.6–.37 37.25N 13.27W 10 2.9L
ISC Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=28.6km s-min=22.1km az=61.0. PRIMO.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=4.7km az=98.0.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=5.8km az=56.0.
ISC XI 13 02 49 27.3–.90 36.92N–.04 10.42W–.05 10 153 1-8
NEIC XI 13 02 49 25.5 36.83N 10.52W 0 2.6 **¶11653319**
MDD XI 13 02 49 26.5–1.9 36.68N 10.67W 64–45 3.5b
IGIL XI 13 02 49 27.8 36.66N 10.61W 31 2.7L
CSEM XI 13 02 49 27.1–.51 36.90N 10.41W 10 2.6L
INMG XI 13 02 49 28.0–.97 36.76N 10.48W 10–0 2.0L
ISC Event type ke.
NEIC Event type se. After MDD.
MDD Error ellipse: s-maj=18.3km s-min=13.3km az=51.0. PRIMO.
CSEM Event type ke. Error ellipse: s-maj=9.4km s-min=6.7km az=51.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=72.0.
ISC XII 15 18 09 43.4–.61 36.97N–.03 12.26W–.04 10 305 3-13
MDD XII 15 18 09 39.3–1.3 36.79N 12.59W 0 4.5b **¶12077638**
IGIL XII 15 18 09 39.6 36.79N 12.63W 0 3.7L
INMG XII 15 18 09 40.4–1.5 36.59N 12.98W 10–0 3.4L
CSEM XII 15 18 09 42.9–.29 36.95N 12.29W 10 4.1L
LDG XII 15 18 09 43.5–.38 37.08N 12.13W 20–0 3.8L
ISC Event type ke.
MDD Error ellipse: s-maj=11.6km s-min=9.7km az=45.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=130.0.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.0km az=50.0.
LDG Event type ke. Error ellipse: s-maj=7.2km s-min=5.1km az=51.0.
ISC XII 26 15 11 50.2–1.3 37.3N–.10 13.76W–.08 10 77 4-7
MDD XII 26 15 11 47.6–2.7 37.34N 14.02W 0 3.8b **¶12079066**
INMG XII 26 15 11 47.7–.99 37.01N 14.44W 0–0 2.0L
CSEM XII 26 15 11 49.4–.58 37.28N 13.83W 10 3.8b
ISC Event type ke.
MDD Error ellipse: s-maj=30.1km s-min=22.4km az=8.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=12.6km s-min=7.7km az=171.0.
CSEM Event type ke. Error ellipse: s-maj=13.6km s-min=10.4km az=178.0.
ISC XII 29 00 51 58.9–1.1 37.6N–.10 15.50W–.07 10 106 5-9
MDD XII 29 00 51 55.0–2.6 37.65N 15.89W 0 4.3b **¶12079322**
INMG XII 29 00 51 56.3–1.3 37.39N 16.32W 10–0 2.4L
ISCJB XII 29 00 51 57.5–1.2 37.6N–.10 15.44W–.07 10 2.4L
CSEM XII 29 00 51 58.8–.62 37.59N 15.51W 10 2.4L
ISC Event type ke.
MDD Error ellipse: s-maj=32.9km s-min=21.9km az=177.0. PRXIMO.
INMG Event type ke. Error ellipse: s-maj=12.9km s-min=4.2km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=15.8km s-min=8.4km az=178.0.
CSEM Event type ke. Error ellipse: s-maj=17.8km s-min=10.7km az=178.0.

SEISMIC REGION 33.
Indian Ocean.

(415) Eastern Gulf of Aden.

ISC VII 14 08 45 39.6–.52 14.72N–.07 52.62E–.07 10 4.3b,3.3s 103 3-131
ISCJB VII 14 08 45 37.7–.52 14.70N–.07 52.52E–.07 10 4.3b,3.3s **¶11811546**
IDC VII 14 08 45 37.3–.64 14.65N 52.38E 0 4.2,4.1
CSEM VII 14 08 45 38.5–.33 14.74N 52.59E 2 4.5b,4.1
NEIC VII 14 08 45 39.4–.48 14.65N 52.51E 10 4.5b,4.1
MOS VII 14 08 45 41.2–.93 14.70N 52.42E 33 4.8b,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=8.7km az=41.3.
IDC Error ellipse: s-maj=18.6km s-min=15.8km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=10.0km az=137.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=10.2km az=138.0.
MOS Error ellipse: s-maj=16.1km s-min=7.7km az=92.2.
ISC VII 19 15 49 26.7–.72 13.3N–.10 50.87E–.09 10 3.8b,2.8s 27 5-89
ISCJB VII 19 15 49 24.7–.72 13.3N–.10 50.84E–.09 10 3.8b,2.8s **¶11812077**
IDC VII 19 15 49 25.1–1.0 13.32N 50.90E 0 4.0L,3.9
CSEM VII 19 15 49 26.8–.34 13.37N 50.85E 10 4.0L,3.9
NEIC VII 19 15 49 26.6–.64 13.33N 50.90E 10 4.0L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=11.0km az=155.6.
IDC Error ellipse: s-maj=28.8km s-min=21.7km az=134.0.
CSEM Event type ke. Error ellipse: s-maj=19.9km s-min=11.4km az=156.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=11.9km az=147.0.
ISC VII 27 13 12 42.6–1.5 13.1N–.30 51.1E–.10 10 3.8b,3.2s 7 2-89
ISCJB VII 27 13 12 41.2–1.4 13.2N–.30 51.2E–.10 10 3.8b,3.2s **¶12698460**
IDC VII 27 13 12 41.5–1.8 13.00N 51.34E 0 3.9,3.7
ISCJB Error ellipse: s-maj=39.4km s-min=10.4km az=21.0.
IDC Error ellipse: s-maj=49.9km s-min=31.1km az=16.0.
ISC VIII 17 03 12 24.9–1.1 13.4N–.20 50.96E–.08 10 3.6b 7 2-48
ISCJB VIII 17 03 12 22.8–1.1 13.3N–.20 50.96E–.08 10 3.6b **¶12581141**
IDC VIII 17 03 12 22.7–2.0 13.16N 51.03E 0 4.3L,3.9
ISCJB Error ellipse: s-maj=23.1km s-min=11.4km az=10.4.
IDC Error ellipse: s-maj=85.5km s-min=25.1km az=166.0.
ISC VIII 17 03 16 01.8–.74 13.0N–.10 51.09E–.07 10 3.8b,3.3s 30 5-89
ISCJB VIII 17 03 16 00.0–.74 13.0N–.10 51.06E–.07 10 3.8b,3.3s **¶11908332**
IDC VIII 17 03 16 00.3–1.0 13.06N 51.15E 0 4.5L,4.0
NEIC VIII 17 03 16 01.8–.54 13.01N 51.12E 10 3.9b,4.0
CSEM VIII 17 03 16 01.8 13.01N 51.12E 10 3.9b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=9.5km az=170.9.
IDC Error ellipse: s-maj=31.5km s-min=20.1km az=9.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.0km az=169.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
IDC VIII 17 07 48 59.4–2.0 13.08N 51.15E 0 4.2L,3.9
¶12581149
IDC Error ellipse: s-maj=61.5km s-min=22.6km az=164.0.
DHMR IX 03 09 18 09.8–.80 13.41N 48.84E 2–999 3.5L
¶13393281
DHMR Error ellipse: s-maj=857.2km s-min=999.9km az=-1.0.
ISC IX 11 01 14 24.9–3.8 12.92N–.09 48.67E–.05 12–25 4.1b 31 2-130
ISCJB IX 11 01 14 23.4–3.1 12.87N–.09 48.67E–.05 15–21 4.1b **¶11910019**
IDC IX 11 01 14 23.1–.98 12.81N 48.78E 0 4.2,4.0b
NEIC IX 11 01 14 24.4–.51 12.78N 48.72E 10 4.2,4.0b
CSEM IX 11 01 14 24.5–.22 12.81N 48.63E 10 3.6L,4.0b
DHMR IX 11 01 14 25.3–1.3 13.15N 48.42E 10–0 3.6L,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=7.7km az=179.5.
IDC Error ellipse: s-maj=29.9km s-min=21.7km az=12.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=10.5km az=166.0.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=5.5km az=174.0.
DHMR Error ellipse: s-maj=12.3km s-min=9.0km az=-1.0.
ISC IX 11 21 40 28.4–.83 13.19N–.08 48.49E–.05 10 3.7b,3.5s 15 1-91
ISCJB IX 11 21 40 26.7–.81 13.10N–.08 48.50E–.05 10 3.7b,3.5s **¶11910066**
IDC IX 11 21 40 26.6–1.6 12.73N 48.62E 0 3.8,3.7L
DHMR IX 11 21 40 27.8–1.2 13.33N 48.30E 10–0 3.5L,3.7L
CSEM IX 11 21 40 27.8 13.33N 48.30E 10 3.5L,3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=6.3km az=162.2.
IDC Error ellipse: s-maj=50.3km s-min=33.1km az=155.0.
DHMR Error ellipse: s-maj=11.4km s-min=7.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC IX 22 01 48 24.7–.70 12.8N–.10 48.00E–.05 10 3.7b,3.1s 37 2-91
ISCJB IX 22 01 48 23.1–.69 12.83N–.09 48.05E–.05 10 3.7b,3.1s **¶11910800**
CSEM IX 22 01 48 23.7–.30 12.80N 48.00E 2 3.7L,3.1s
IDC IX 22 01 48 23.1–1.1 12.63N 48.14E 0 4.0,3.8b
DHMR IX 22 01 48 23.7–1.7 13.15N 47.92E 10–0 3.7L,3.8b
NEIC IX 22 01 48 24.4–.60 12.60N 48.12E 10 3.7L,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=6.5km az=1.4.
CSEM Event type ke. Error ellipse: s-maj=13.3km s-min=6.8km az=170.0.
IDC Error ellipse: s-maj=27.9km s-min=19.7km az=13.0.
DHMR Error ellipse: s-maj=16.0km s-min=6.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=10.5km az=177.0.
ISC X 10 12 25 14.2–3.0 12.56N–.06 48.21E–.04 13–19 4.2b,4.0s 149 2-128
CSEM X 10 12 25 12.4–.25 12.60N 48.21E 2 4.4b,4.0s **¶12066506**
ISCJB X 10 12 25 12.6–2.4 12.61N–.06 48.21E–.04 13–15 4.2b,4.0s
IDC X 10 12 25 12.1–.65 12.55N 48.38E 0 4.3,4.3L
MOS X 10 12 25 12.0–1.3 12.58N 48.30E 10 4.5b,4.0s
NEIC X 10 12 25 13.6–.41 12.50N 48.35E 10 4.3b,4.0s
DHMR X 10 12 25 14.1–1.8 13.26N 48.05E 10–0 4.4,4.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=7.7km az=166.0.
ISCJB Event type ke. Error ellipse: s-maj=9.8km s-min=6.1km az=174.4.
IDC Error ellipse: s-maj=15.8km s-min=15.4km az=150.0.
MOS Error ellipse: s-maj=13.9km s-min=8.0km az=83.4.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.5km az=134.0.
DHMR Error ellipse: s-maj=15.7km s-min=7.2km az=-1.0.
ISC X 20 19 32 32.9–.82 13.19N–.08 48.62E–.05 10 3.5b,3.1s 16 1-90
ISCJB X 20 19 32 31.1–.82 13.10N–.07 48.62E–.05 10 3.5b,3.1s **¶12069155**
IDC X 20 19 32 31.5–1.4 13.01N 48.64E 0 3.8,3.7b
CSEM X 20 19 32 32.7 13.31N 48.41E 10 3.6L,3.7b
DHMR X 20 19 32 32.7–1.5 13.31N 48.41E 10–0 3.6L,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=6.5km az=159.2.
IDC Error ellipse: s-maj=47.0km s-min=25.1km az=161.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR Error ellipse: s-maj=13.1km s-min=8.9km az=-1.0.
ISC XI 02 00 16 56.0–.63 13.3N–.10 50.76E–.06 10 3.8b 62 2-128
ISCJB XI 02 00 16 54.2–.62 13.3N–.10 50.76E–.06 10 3.8b **¶12071928**
IDC XI 02 00 16 54.5–.81 13.24N 50.86E 0 4.0L,3.9
CSEM XI 02 00 16 56.4–.34 13.35N 50.73E 10 3.2L,3.9
NEIC XI 02 00 16 56.1–.51 13.25N 50.86E 10 3.9b,3.9
DHMR XI 02 00 17 01.7–1.8 13.37N 50.04E 2–629 3.2L,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.8km s-min=8.3km az=173.9.
IDC Error ellipse: s-maj=21.7km s-min=17.0km az=21.0.
CSEM Event type ke. Error ellipse: s-maj=17.1km s-min=9.4km az=175.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.6km az=173.0.
DHMR Error ellipse: s-maj=65.0km s-min=999.9km az=-1.0.
ISC XI 02 00 39 48.2–.38 13.19N–.05 50.75E–.04 10 4.5b,3.9s 224 2-131
BJI XI 02 00 39 39.8 12.65N 50.15E 10 4.9b,4.8b **¶11383173**
ISCJB XI 02 00 39 46.4–.38 13.19N–.05 50.76E–.04 10 4.5b,3.9s
CSEM XI 02 00 39 47.5–.27 13.25N 50.74E 2 4.5b,3.9s
IDC XI 02 00 39 47.0–.59 13.23N 50.88E 0 4.2,4.1
MOS XI 02 00 39 47.2–.86 13.30N 50.80E 10 4.8b,4.1
NEIC XI 02 00 39 48.5–.44 13.31N 50.82E 10 4.7b,4.1
TEH XI 02 00 39 49.0 13.36N 50.87E 10 4.7b,4.1
DHMR XI 02 00 39 51.5–1.7 13.40N 50.21E 2–999 3.6L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=5.5km az=166.8.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=7.9km az=138.0.
IDC Error ellipse: s-maj=15.7km s-min=14.0km az=179.0.
MOS Error ellipse: s-maj=12.5km s-min=7.1km az=99.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.1km az=171.0.
DHMR Error ellipse: s-maj=318.2km s-min=999.9km az=-1.0.
ISC XI 02 03 48 42.3–.55 13.28N–.09 50.68E–.04 10 3.9b,3.4s 66 2-128
ISCJB XI 02 03 48 40.8–.53 13.33N–.08 50.65E–.04 10 3.9b,3.4s **¶12071944**
IDC XI 02 03 48 41.1–.82 13.27N 50.88E 0 4.2L,4.0
CSEM XI 02 03 48 42.7–.29 13.33N 50.71E 10 4.1b,4.0
NEIC XI 02 03 48 42.6–.54 13.29N 50.86E 10 4.0b,4.0
DHMR XI 02 03 48 45.3–2.4 13.46N 50.37E 14–253 3.0L,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.1km s-min=5.7km az=180.0.
IDC Error ellipse: s-maj=22.9km s-min=18.3km az=10.0.
CSEM Event type ke. Error ellipse: s-maj=13.4km s-min=8.4km az=174.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.4km az=150.0.
DHMR Error ellipse: s-maj=27.7km s-min=165.5km az=-1.0.
ISC XI 16 01 43 09.9–.71 13.1N–.10 51.02E–.06 10 4.0b,3.5s 61 2-89
ISCJB XI 16 01 43 08.2–.70 13.2N–.10 50.99E–.05 10 4.0b,3.5s **¶12073695**
CSEM XI 16 01 43 08.8–.33 13.15N 51.05E 2 3.9b,3.5s
IDC XI 16 01 43 08.1–.97 13.06N 51.14E 0 4.6L,4.1
NEIC XI 16 01 43 09.7–.48 13.06N 51.14E 10 3.9b,4.1
DHMR XI 16 01 43 13.6–7.6 13.37N 50.58E 10–0 3.5L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=16.6km s-min=7.3km az=174.0.
CSEM Event type ke. Error ellipse: s-maj=16.5km s-min=8.1km az=169.0.
IDC Error ellipse: s-maj=25.4km s-min=17.9km az=12.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.6km az=166.0.
DHMR Error ellipse: s-maj=68.1km s-min=84.8km az=-1.0.
ISC XI 16 02 52 55.1–1.6 13.03N–.05 51.07E–.05 17–9 4.5b,4.4s 203 2-131
ISCJB XI 16 02 52 52.2–.32 13.04N–.05 51.04E–.04 10 4.5b,4.4s **¶11453281**
MOS XI 16 02 52 52.4–1.1 13.11N 51.12E 11 5.0b,4.4s
IDC XI 16 02 52 52.3–.59 13.10N 51.15E 0 4.8L,4.6s
GCMT XI 16 02 52 52.7–.20 13.17N 50.84E 12 4.9W,4.6s
BJI XI 16 02 52 53.9 13.08N 50.98E 18 5.0b,4.7b
NEIC XI 16 02 52 54.0–.35 13.09N 51.12E 10 4.7b,4.7b
CSEM XI 16 02 52 53.0–.19 13.15N 51.08E 2 4.9W,4.7b
DHMR XI 16 02 52 57.0–2.0 13.44N 50.65E 10–0 3.6L,4.7b
DJA XI 16 02 52 58 13.47N 50.79E 8 4.5b,4.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.9km s-min=5.4km az=1.3.
MOS Error ellipse: s-maj=11.9km s-min=6.6km az=91.2.
IDC Error ellipse: s-maj=15.2km s-min=13.8km az=47.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s33,c40; s73,c117; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.42±.09 $M_{\theta\theta}$2.09±.08; $M_{\phi\phi}$0.33±.11; $M_{r\theta}$0.40±.23; $M_{\theta\phi}$-1.68±.07; $M_{\phi r}$0.03±.31; Best double couple: NP1:ϕ_s129.00000°,δ42.00000°,λ-79.00000°. NP2:ϕ_s294.00000°,δ49.00000°,λ-100.00000°. Principal axes: T 3.1300,Plg3.0000° ,Azm31.0000°; N -0.6600,Plg7.0000°,Azm300.0000°; P -2.4700,Plg82.0000°,Azm146.0000° M_o2.80000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.6km az=119.0.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=7.3km az=155.0.
DHMR Error ellipse: s-maj=35.7km s-min=49.0km az=-1.0.
IDC XI 16 02 53 18.6–.91 13.09N 51.12E 0 4.4,4.4L
¶12073698
IDC Error ellipse: s-maj=32.0km s-min=20.0km az=9.0.
ISC XI 16 23 21 22.7–.48 12.82N–.07 48.00E–.04 10 4.0b,3.6s 72 2-127
IDC XI 16 23 21 21.0–.72 12.66N 48.19E 0 4.1,4.1L **¶12073801**
ISCJB XI 16 23 21 21.0–.48 12.87N–.06 48.05E–.04 10 4.0b,3.6s

CSEM XI 16 23 21 22.7–.24 12.86N 48.01E 10 4.1L,3.6s
NEIC XI 16 23 21 22.4–.38 12.66N 48.20E 10 3.9b,3.6s
DHMR XI 16 23 21 22.4–1.2 13.24N 47.90E 10–0 4.1L,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=16.8km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=5.3km az=178.8.
CSEM Event type ke. Error ellipse: s-maj=10.5km s-min=6.8km az=169.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.6km az=140.0.
DHMR Error ellipse: s-maj=11.9km s-min=4.0km az=-1.0.

(419) Northeastern Somalia.

ISC VII 14 20 36 19.9–1.5 12.0N–.10 50.19E–.07 10 3.5b,3.1s 8 3-73
ISCJB VII 14 20 36 16.8–1.5 11.8N–.10 50.06E–.08 10 3.5b,3.1s **¶12698221**
IDC VII 14 20 36 20.6–31 12.37N 50.29E 0 3.7,3.5
ISCJB Error ellipse: s-maj=22.2km s-min=8.6km az=19.4.
IDC Error ellipse: s-maj=640.2km s-min=76.0km az=54.0.

(420) North Indian Ocean.

ISC X 14 19 51 35.8–.19 4.05N–.03 68.86E–.02 10 4.8b,4.1s 513 5-150
ISCJB X 14 19 51 33.8–.19 4.05N–.03 68.84E–.02 10 4.8b,4.1s **¶11348193**
MOS X 14 19 51 33.8–1.1 4.12N 68.84E 10 5.0b,4.1s
IDC X 14 19 51 34.6–.42 4.11N 69.04E 0 4.6,4.6
BJI X 14 19 51 34.7 4.00N 69.00E 10 5.1b,5.1b
NEIC X 14 19 51 35.3–.25 4.03N 68.84E 10 5.0b,4.1s
TEH X 14 19 51 36.0 4.00N 69.06E 10 5.0b,4.1s
GCMT X 14 19 51 39.1–.30 4.08N 68.92E 12 5.0W,4.1s
DJA X 14 19 51 42 4.17N 69.15E 41 5.1b,4.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=7.7.
MOS Error ellipse: s-maj=7.2km s-min=4.5km az=115.5.
IDC Error ellipse: s-maj=13.8km s-min=11.0km az=22.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.1km az=179.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s29,c39; s74,c121; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.49±.11 $M_{\theta\theta}$1.68±.09; $M_{\phi\phi}$0.81±.10; $M_{r\theta}$-0.26±.30; $M_{\theta\phi}$3.06±.08; $M_{\phi r}$0.34±.29; Best double couple: NP1:ϕ_s73.00000°,δ51.00000°,λ-55.00000°. NP2:ϕ_s205.00000°,δ51.00000°,λ-125.00000°. Principal axes: T 4.3300,Plg0.0000° ,Azm319.0000°; N -1.6300,Plg27.0000°,Azm229.0000°; P -2.7100,Plg63.0000° ,Azm49.0000° $M_0$3.50000×10^{16}
ISC XII 08 17 08 40.7–.69 6.6N–.10 68.6E–.10 10 3.9b 31 42-143
ISCJB XII 08 17 08 38.8–.69 6.6N–.10 68.6E–.10 10 3.9b **¶12076381**
IDC XII 08 17 08 39.0–.83 6.60N 68.60E 0 4.0,3.8b
NEIC XII 08 17 08 40.6–.49 6.63N 68.64E 10 4.4b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=13.0km az=143.4.
IDC Error ellipse: s-maj=28.5km s-min=17.1km az=52.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.3km az=53.0.

(421) Carlsberg Ridge.

ISC VII 03 22 31 20.0–.46 6.48N–.07 60.28E–.09 10 3.9b,3.7s 28 12-135
ISCJB VII 03 22 31 17.9–.47 6.46N–.07 60.29E–.09 10 3.9b,3.7s **¶11810559**
IDC VII 03 22 31 18.1–.91 6.46N 60.29E 0 4.0,3.9
NEIC VII 03 22 31 19.9–.39 6.49N 60.27E 10 4.1b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=9.3km az=23.0.
IDC Error ellipse: s-maj=24.5km s-min=19.1km az=32.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.2km az=115.0.
ISC VII 20 08 21 42.4–.19 4.87N–.03 62.09E–.02 10 5.0b,4.5s 526 12-147
BJI VII 20 08 21 33.5 4.12N 61.52E 10 5.2b,5.0s **¶11133993**
IDC VII 20 08 21 41.0–.40 4.91N 62.19E 0 4.7,4.7
MOS VII 20 08 21 40.3–1.2 4.90N 62.01E 10 5.4b,4.7
ISCJB VII 20 08 21 40.4–.20 4.88N–.03 62.04E–.02 10 5.0b,4.5s
NEIC VII 20 08 21 42.2–.22 4.87N 62.09E 10 5.3b,4.5s
GCMT VII 20 08 21 43.8–.20 4.81N 62.13E 12 5.3W,4.5s
SZGRF VII 20 08 21 47.8 5.32N 61.44E 21 5.2b,4.1s
DJA VII 20 08 22 13 5.01N 61.90E 295 4.7b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=11.5km az=138.0.
MOS Error ellipse: s-maj=7.7km s-min=3.8km az=117.5.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.4km az=4.7.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.4km az=201.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s55,c82; s95,c176; Moment tensor: Scale 10^{16}Nm; M_{rr}-9.13±.14 $M_{\theta\theta}$4.98±.15; $M_{\phi\phi}$4.15±.15; $M_{r\theta}$3.65±.42; $M_{\theta\phi}$-4.40±.11; $M_{\phi r}$0.32±.43; Best double couple: NP1:ϕ_s146.00000°,δ39.00000°,λ-67.00000°. NP2:ϕ_s298.00000°,δ55.00000°,λ-107.00000°. Principal axes: T 9.3000,Plg8.0000° ,Azm40.0000°; N 0.8000,Plg14.0000°,Azm308.0000°; P -10.2000,Plg74.0000° ,Azm159.0000° $M_0$9.70000×10^{16}
SZGRF Carlsberg Ridge.
IDC VII 20 08 23 30.8–.80 4.92N 62.27E 0 4.3s,4.3
¶12698345
IDC Error ellipse: s-maj=24.2km s-min=19.8km az=2.0.
IDC VII 20 08 45 33.5–1.3 4.99N 62.22E 0 3.8,3.7b
¶12698346
IDC Error ellipse: s-maj=38.1km s-min=27.6km az=150.0.
IDC VII 20 09 31 49.8–2.1 5.28N 62.07E 0 3.8,3.7b
¶12698347
IDC Error ellipse: s-maj=76.2km s-min=28.1km az=151.0.
ISC VII 26 23 50 12.0–.79 9.8N–.10 57.47E–.09 10 4.1b,3.7s 73 29-90
ISCJB VII 26 23 50 09.8–.86 9.8N–.10 57.41E–.09 10 4.1b,3.7s **¶11169704**
IDC VII 26 23 50 11.0–.95 9.86N 57.63E 0 4.0,3.9
NEIC VII 26 23 50 12.3–.56 9.89N 57.44E 10 4.5b,3.9
CSEM VII 26 23 50 16.1–.28 9.93N 57.43E 33 4.5b,3.5s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=20.2km s-min=12.2km az=1.2.
IDC Error ellipse: s-maj=22.3km s-min=20.8km az=8.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.7km az=174.0.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=9.6km az=173.0.
ISC VIII 09 14 24 29.3–1.7 1.5N–.30 67.0E–.20 10 3.7b 8 36-148
ISCJB VIII 09 14 24 27.3–1.7 1.5N–.30 67.0E–.20 10 3.7b **¶11907997**
IDC VIII 09 14 24 27.8–1.7 1.52N 67.12E 0 3.7b,3.7
NEIC VIII 09 14 24 29.2–1.1 1.49N 67.04E 10 3.7b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=43.3km s-min=24.3km az=32.7.
IDC Error ellipse: s-maj=54.3km s-min=29.1km az=48.0.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=18.9km az=211.0.
ISC VIII 10 04 14 14.0–1.3 2.0N–.30 66.8E–.20 10 4.0b,3.8s 17 32-148
ISCJB VIII 10 04 14 11.9–1.3 2.0N–.20 66.9E–.20 10 4.0b,3.8s **¶11908018**
IDC VIII 10 04 14 12.5–1.4 2.04N 66.85E 0 3.9,3.8s
NEIC VIII 10 04 14 14.5–.98 2.09N 66.86E 10 4.2b,3.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.9km s-min=21.7km az=34.6.
IDC Error ellipse: s-maj=47.2km s-min=26.6km az=37.0.
NEIC Event type se. Error ellipse: s-maj=33.5km s-min=17.9km az=217.0.
ISC VIII 11 18 32 27.7–.35 2.61N–.06 66.21E–.05 10 4.5b,4.0s 167 22-147
BJI VIII 11 18 32 18.6 1.84N 65.62E 10 4.8b,4.6b **¶11308538**
IDC VIII 11 18 32 25.8–.56 2.56N 66.37E 0 4.2,4.2
MOS VIII 11 18 32 25.5–1.1 2.64N 66.14E 10 5.1b,4.2
ISCJB VIII 11 18 32 25.6–.35 2.63N–.06 66.20E–.05 10 4.5b,4.0s
NEIC VIII 11 18 32 27.3–.46 2.59N 66.25E 10 5.1b,4.0s
GCMT VIII 11 18 32 30.0–.30 2.56N 66.45E 12 4.8W,4.0s
DJA VIII 11 18 32 47 2.17N 66.12E 183 4.3b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=14.0km az=165.0.
MOS Error ellipse: s-maj=10.7km s-min=6.5km az=105.9.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.5km az=175.5.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=10.1km az=156.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s22,c27; s69,c101; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.92±.07 $M_{\theta\theta}$0.91±.07; $M_{\phi\phi}$1.01±.07; $M_{r\theta}$0.55±.27; $M_{\theta\phi}$-1.02±.06; $M_{\phi r}$-1.05±.28; Best double couple: NP1:ϕ_s128.00000°,δ30.00000° ,λ-105.00000°. NP2:ϕ_s325.00000°,δ61.00000°,λ-82.00000°. Principal axes: T 2.2900,Plg15.0000°,Azm49.0000°; N -0.0200,Plg7.0000°,Azm141.0000° ; P -2.2700,Plg73.0000°,Azm255.0000° $M_0$2.30000×10^{16}

ISC VIII 16 01 22 16.6–.96 5.7N–.20 61.3E–.10 10 3.8b,3.8s 39 19-85
ISCJB VIII 16 01 22 14.6–.96 5.7N–.20 61.3E–.10 10 3.8b,3.8s **¶11908281**
IDC VIII 16 01 22 14.2–1.3 5.66N 61.23E 0 3.9,3.8
NEIC VIII 16 01 22 16.4–.77 5.72N 61.26E 10 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=12.4km az=23.7.
IDC Error ellipse: s-maj=37.9km s-min=20.5km az=44.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=9.9km az=203.0.
ISC VIII 16 02 11 29.4–1.0 5.7N–.20 61.3E–.10 10 3.8s,3.6b 15 19-142
ISCJB VIII 16 02 11 27.5–1.0 5.7N–.20 61.2E–.10 10 3.8s,3.6b **¶11908286**
IDC VIII 16 02 11 27.6–1.2 5.69N 61.26E 0 3.8,3.7
NEIC VIII 16 02 11 29.1–.67 5.69N 61.23E 10 3.8b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=17.8km az=40.6.
IDC Error ellipse: s-maj=33.9km s-min=22.1km az=41.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=13.2km az=219.0.
ISC VIII 16 02 32 47.2–1.8 5.8N–.30 61.4E–.30 10 3.6b 6 42-76
ISCJB VIII 16 02 32 45.6–1.8 5.8N–.30 61.4E–.30 10 3.6b **¶11908288**
IDC VIII 16 02 32 45.3–2.2 5.75N 61.34E 0 3.9,3.7b
NEIC VIII 16 02 32 47.0–1.4 5.76N 61.34E 10 3.5b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=55.0km s-min=23.9km az=146.3.
IDC Error ellipse: s-maj=86.5km s-min=31.9km az=50.0.
NEIC Event type se. Error ellipse: s-maj=43.6km s-min=18.6km az=56.0.
ISC VIII 16 07 16 24.5–.86 5.8N–.10 61.5E–.10 10 4.1s,3.9b 13 25-76
IDC VIII 16 07 16 21.5–1.7 5.61N 61.25E 0 4.1s,4.1 **¶11908293**
ISCJB VIII 16 07 16 22.7–.86 5.8N–.10 61.5E–.10 10 4.1s,3.9b
NEIC VIII 16 07 16 24.4–.78 5.80N 61.46E 10 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=52.5km s-min=22.8km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=19.1km az=142.4.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=17.5km az=206.0.
ISC VIII 16 07 25 58.1–.89 5.65N–.04 61.20E–.03 17–5 4.9b,4.7s 398 12-159
BJI VIII 16 07 25 49.1 5.23N 60.57E 10 5.2b,5.1s **¶13391862**
SZGRF VIII 16 07 25 51.9 4.50N 61.57E 33 5.2b,4.4s
MOS VIII 16 07 25 54.5–1.2 5.62N 61.09E 10 5.3b,4.4s
ISCJB VIII 16 07 25 54.7–.81 5.61N–.04 61.14E–.03 10–5 4.9b,4.7s
IDC VIII 16 07 25 55.2–.46 5.75N 61.32E 0 4.7s,4.7
NEIC VIII 16 07 25 56.9–.33 5.72N 61.21E 10 5.2b,4.7
TEH VIII 16 07 25 57.0 5.64N 61.28E 10 5.2b,4.7
GCMT VIII 16 07 25 58.3–.10 5.71N 61.23E 12 5.4W,4.7
DJA VIII 16 07 26 18 5.63N 61.24E 199 4.6b,4.7
ISC Event type se.
SZGRF Carlsberg Ridge.
MOS Error ellipse: s-maj=9.3km s-min=4.2km az=114.6.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.2km az=18.8.
IDC Error ellipse: s-maj=13.5km s-min=12.1km az=145.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.4km az=216.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 108 sta. Moment Tensor Solution. s62,c86; s99,c215; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.35±.02 $M_{\theta\theta}$0.95±.02; $M_{\phi\phi}$0.40±.02; $M_{r\theta}$0.65±.05; $M_{\theta\phi}$-0.56±.01; $M_{\phi r}$-0.11±.06; Best double couple: NP1: ϕ_s130.00000°,δ33.00000°,λ-75.00000°. NP2:ϕ_s293.00000°,δ58.00000°,λ-100.00000°. Principal axes: T 1.4400,Plg13.0000°,Azm29.0000°; N 0.0900,Plg8.0000°,Azm298.0000° ; P -1.5200,Plg75.0000°,Azm176.0000° $M_0$1.50000×10^{17}
IDC VIII 16 07 29 43.7–2.0 5.58N 61.24E 0 3.9,3.7b
¶12581123
IDC Error ellipse: s-maj=66.5km s-min=26.9km az=57.0.
IDC VIII 16 07 57 39.4–1.1 5.47N 61.40E 0 4.0,3.9s
¶12581124
IDC Error ellipse: s-maj=37.8km s-min=24.1km az=43.0.
ISC VIII 16 08 17 31.1–1.8 5.66N–.06 61.33E–.04 13–11 4.5s,4.5b 118 12-142
BJI VIII 16 08 17 21.5 5.16N 60.47E 10 5.0b,4.8s **¶11184369**
ISCJB VIII 16 08 17 27.7–1.6 5.64N–.06 61.27E–.04 5–10 4.5s,4.5b
IDC VIII 16 08 17 29.2–.60 5.74N 61.39E 0 4.3,4.2
NEIC VIII 16 08 17 30.6–.39 5.67N 61.34E 10 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.5km az=178.7.
IDC Error ellipse: s-maj=17.2km s-min=15.0km az=67.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=9.2km az=76.0.
ISC VIII 16 08 17 55.8–.57 5.65N–.09 61.2E–.10 10 4.1b 17 12-142
ISCJB VIII 16 08 17 53.8–.59 5.60N–.10 61.1E–.10 10 4.1b **¶11908296**
IDC VIII 16 08 17 54.2–.74 5.86N 61.31E 0 4.7s,4.7
NEIC VIII 16 08 17 55.9–.58 5.68N 61.20E 10 4.2b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=13.7km az=1.8.
IDC Error ellipse: s-maj=25.9km s-min=20.1km az=18.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=14.0km az=109.0.
ISC VIII 16 08 20 20.9–.52 5.65N–.09 61.30E–.08 10 4.5b,4.4s 67 19-142
ISCJB VIII 16 08 20 18.7–.54 5.63N–.09 61.26E–.08 10 4.5b,4.4s **¶11265164**
IDC VIII 16 08 20 19.4–.65 5.60N 61.38E 0 4.4s,4.4
NEIC VIII 16 08 20 21.0–.56 5.71N 61.33E 10 5.0b,4.4
GCMT VIII 16 08 20 23.0–.20 5.69N 61.37E 12 5.2W,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=11.0km az=18.5.
IDC Error ellipse: s-maj=18.5km s-min=17.3km az=173.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=12.5km az=170.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s49,c68; s88,c155; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.55±.16 $M_{\theta\theta}$4.46±.15; $M_{\phi\phi}$2.09±.15; $M_{r\theta}$3.48±.42; $M_{\theta\phi}$-2.57±.12; $M_{\phi r}$-2.29±.48; Best double couple: NP1:ϕ_s122.00000°,δ28.00000°,λ-91.00000°. NP2:ϕ_s303.00000°,δ62.00000°,λ-90.00000°. Principal axes: T 7.3500,Plg17.0000° ,Azm33.0000°; N 0.4500,Plg0.0000°,Azm123.0000°; P -7.8000,Plg73.0000°,Azm214.0000° $M_0$7.60000×10^{16}
ISC VIII 16 08 26 24.1–.74 5.5N–.10 61.31E–.09 10 4.3b 34 25-142
ISCJB VIII 16 08 26 21.7–.81 5.5N–.10 61.24E–.10 10 4.3b **¶11908298**
IDC VIII 16 08 26 22.0–1.0 5.42N 61.29E 0 4.0s,4.0
NEIC VIII 16 08 26 24.0–.56 5.52N 61.30E 10 5.1b,4.0
GCMT VIII 16 08 26 25.5–.30 5.75N 61.29E 23–0 5.1W,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=13.9km az=12.2.
IDC Error ellipse: s-maj=30.1km s-min=20.1km az=31.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.7km az=180.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s26,c29; s74,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-6.55±.39 $M_{\theta\theta}$3.80±.23; $M_{\phi\phi}$2.75±.23; $M_{r\theta}$1.55±.32; $M_{\theta\phi}$-1.08±.11; $M_{\phi r}$0.37±.36; Best double couple: NP1:ϕ_s127.00000°,δ39.00000°,λ-79.00000°. NP2:ϕ_s293.00000°,δ51.00000°,λ-99.00000°. Principal axes: T 4.5900,Plg6.0000° ,Azm29.0000°; N 2.2100,Plg7.0000°,Azm299.0000°; P -6.8100,Plg81.0000°,Azm160.0000° $M_0$5.70000×10^{16}
IDC VIII 17 04 04 46.0–2.6 0.76N 67.31E 0 3.8,3.7b
¶12581142
IDC Error ellipse: s-maj=88.2km s-min=31.3km az=67.0.
ISC VIII 17 15 28 03.9–.70 6.54N–.10 60.0E–.20 10 3.6b,3.5s 13 12-78
ISCJB VIII 17 15 28 01.8–.70 6.52N–.10 60.0E–.20 10 3.6b,3.5s **¶11908360**
IDC VIII 17 15 28 01.8–1.9 6.49N 59.95E 0 3.7,3.6
NEIC VIII 17 15 28 04.1–.64 6.53N 60.05E 10 4.4b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=13.8km az=11.0.
IDC Error ellipse: s-maj=49.5km s-min=25.9km az=49.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=13.6km az=108.0.
ISC VIII 22 02 15 52.7–.76 8.0N–.10 59.2E–.10 10 3.9b,3.3s 27 24-79
ISCJB VIII 22 02 15 51.0–.77 8.0N–.10 59.2E–.10 10 3.9b,3.3s **¶11908568**
IDC VIII 22 02 15 50.9–1.1 7.97N 59.18E 0 3.9,3.8
NEIC VIII 22 02 15 52.5–.68 7.97N 59.18E 10 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=15.4km az=168.0.
IDC Error ellipse: s-maj=28.8km s-min=20.7km az=37.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=14.4km az=175.0.
IDC VIII 22 06 05 40.6–1.5 7.86N 59.27E 0 3.8,3.7
¶12581286
IDC Error ellipse: s-maj=42.0km s-min=29.9km az=25.0.
ISC VIII 22 16 23 42.8–.86 8.0N–.10 59.2E–.10 10 3.7b 27 16-128
ISCJB VIII 22 16 23 41.3–.86 8.0N–.10 59.2E–.10 10 3.7b **¶11908595**

IDC VIII 22 16 23 41.4–1.3 8.01N 59.21E 0 3.9,3.8
NEIC VIII 22 16 23 42.8–.69 8.00N 59.19E 10 4.1b,3.8
CSEM VIII 22 16 23 42.8 8.00N 59.19E 10 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=15.0km az=153.1.
IDC Error ellipse: s-maj=31.3km s-min=22.7km az=8.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=13.2km az=155.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
ISC VIII 22 18 08 08.2–1.1 8.1N–.10 59.2E–.10 10 4.3b,3.8s 87 24-64
ISCJB VIII 22 18 08 06.5–1.1 8.2N–.10 59.2E–.10 10 4.3b,3.8s **¶11908597**
IDC VIII 22 18 08 06.2–3.2 8.01N 59.26E 0 4.0,4.0
NEIC VIII 22 18 08 07.8–1.1 8.07N 59.29E 10 4.0b,4.0
CSEM VIII 22 18 08 11.5–.56 8.10N 59.26E 33 4.9b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=23.7km s-min=12.6km az=135.5.
IDC Error ellipse: s-maj=70.6km s-min=28.8km az=161.0.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=12.9km az=134.0.
CSEM Event type ke. Error ellipse: s-maj=24.5km s-min=13.7km az=134.0.
ISC VIII 22 19 19 36.6–.86 8.0N–.10 59.2E–.10 10 3.9b,3.5s 44 16-79
ISCJB VIII 22 19 19 35.0–.86 8.1N–.10 59.2E–.10 10 3.9b,3.5s **¶11908599**
IDC VIII 22 19 19 34.3–1.3 7.93N 59.11E 0 3.8,3.7
NEIC VIII 22 19 19 36.4–.84 8.00N 59.19E 10 4.4b,3.7
CSEM VIII 22 19 19 36.4 8.00N 59.19E 10 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=14.3km az=163.6.
IDC Error ellipse: s-maj=32.4km s-min=22.2km az=9.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=14.3km az=166.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
ISC VIII 22 20 52 21.3–.69 8.1N–.10 59.23E–.10 10 4.0b,3.2s 40 20-128
IDC VIII 22 20 52 19.8–2.4 8.03N 59.27E 0 3.7,3.7 **¶11908602**
ISCJB VIII 22 20 52 20.9–.75 8.3N–.10 59.2E–.10 10 4.0b,3.2s
NEIC VIII 22 20 52 21.0–.51 8.04N 59.22E 10 4.3b,3.2s
CSEM VIII 22 20 52 21.0 8.04N 59.22E 10 4.3b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=57.6km s-min=29.7km az=155.0.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=12.7km az=137.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.3km az=207.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
ISC VIII 22 22 57 05.5–.60 7.95N–.09 59.08E–.08 10 4.2b 49 16-128
ISCJB VIII 22 22 57 03.7–.61 7.98N–.09 59.04E–.08 10 4.2b **¶11308706**
IDC VIII 22 22 57 04.1–.89 7.90N 59.14E 0 4.0,3.9
NEIC VIII 22 22 57 05.1–.51 7.84N 59.13E 10 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=10.9km az=165.8.
IDC Error ellipse: s-maj=22.2km s-min=19.9km az=151.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.0km az=145.0.
ISC VIII 23 00 46 57.5–1.6 8.2N–.20 59.1E–.20 10 4.2b,3.5s 50 24-64
IDC VIII 23 00 46 54.0–3.6 7.83N 59.27E 0 3.8,3.7 **¶11908611**
ISCJB VIII 23 00 46 56.5–1.7 8.3N–.20 59.0E–.20 10 4.2b,3.5s
NEIC VIII 23 00 46 57.1–1.3 8.13N 59.07E 10 4.5b,3.5s
CSEM VIII 23 00 46 57.1 8.13N 59.07E 10 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=84.0km s-min=29.9km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=37.4km s-min=15.5km az=145.2.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=13.3km az=146.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
ISC VIII 24 07 35 11.0–.33 8.04N–.05 59.01E–.04 10 4.9b,4.1s 437 14-139
MOS VIII 24 07 35 08.9–1.3 8.08N 58.86E 10 5.2b,4.1s **¶13392461**
ISCJB VIII 24 07 35 09.0–.34 8.06N–.05 58.97E–.04 10 4.9b,4.1s
IDC VIII 24 07 35 09.3–.47 8.08N 59.18E 0 4.4,4.4
NEIC VIII 24 07 35 10.9–.40 8.15N 59.04E 10 5.2b,4.4
GCMT VIII 24 07 35 10.9–.20 7.99N 58.92E 12 5.0W,4.4
STR VIII 24 07 35 11.3–.00 8.53N 59.40E 5.1b,4.4
CSEM VIII 24 07 35 11.2–.24 8.13N 58.97E 10 5.0b,3.7s
VIE VIII 24 07 35 19.6 8.14N 59.06E 75 4.0b,3.7s
SZGRF VIII 24 07 35 29.7 12.26N 60.83E 33 4.8b,3.7s
ISC Event type ke.
MOS Error ellipse: s-maj=9.2km s-min=4.2km az=116.7.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=6.0km az=171.7.
IDC Error ellipse: s-maj=14.4km s-min=12.3km az=137.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=9.0km az=61.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s34,c47; s83,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.80±.08 $M_{\theta\theta}$3.60±.07; $M_{\phi\phi}$0.20±.09; $M_{r\theta}$1.51±.22; $M_{\theta\phi}$-0.90±.06; $M_{\phi r}$0.69±.29; Best double couple: NP1:ϕ_s117.00000°,δ37.00000°,λ-68.00000°. NP2:ϕ_s270.00000°,δ56.00000°,λ-106.00000°. Principal axes: T 4.0500,Plg10.0000° ,Azm11.0000°; N 0.2100,Plg13.0000°,Azm279.0000°; P -4.2600,Plg74.0000°,Azm137.0000° $M_0$4.20000×10^{16}
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=111.0.
CSEM Event type ke. Error ellipse: s-maj=10.7km s-min=9.2km az=122.0.
SZGRF Arabian Sea.
ISC VIII 25 03 19 04.8–.39 8.01N–.05 59.10E–.06 10 4.6b 208 14-139
ISCJB VIII 25 03 19 02.7–.40 7.99N–.06 59.04E–.06 10 4.6b **¶11223804**
IDC VIII 25 03 19 03.4–.51 8.04N 59.16E 0 4.4,4.3b
VIE VIII 25 03 19 04.0 8.05N 59.09E 0 4.3b,4.3b
NEIC VIII 25 03 19 05.0–.31 8.08N 59.09E 10 4.8b,4.3b
CSEM VIII 25 03 19 07.1–.18 8.14N 59.07E 21 4.8b,4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.6km s-min=8.0km az=22.5.
IDC Error ellipse: s-maj=15.3km s-min=12.8km az=138.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.4km az=177.0.
CSEM Event type ke. Error ellipse: s-maj=8.3km s-min=7.4km az=179.0.
IDC VIII 29 17 10 45.0–1.8 5.52N 61.29E 0 3.9,3.6
¶12581548
IDC Error ellipse: s-maj=71.8km s-min=29.4km az=41.0.
ISC VIII 30 00 43 17.8–1.6 3.65N–.06 63.42E–.04 27–11 4.6b,3.8s 281 17-145
BJI VIII 30 00 43 09.7 3.58N 62.92E 10 4.9b,4.6b **¶11232728**
MOS VIII 30 00 43 12.6–.89 3.57N 63.33E 10 4.9b,4.6b
SZGRF VIII 30 00 43 13.7 3.29N 63.94E 33 5.1b,4.6b
ISCJB VIII 30 00 43 13.9–1.7 3.63N–.06 63.37E–.04 15–11 4.6b,3.8s
IDC VIII 30 00 43 13.9–.57 3.81N 63.54E 0 4.4,4.2
NEIC VIII 30 00 43 15.2–.35 3.70N 63.45E 10 4.8b,4.2
ISC Event type se.
MOS Error ellipse: s-maj=10.4km s-min=4.8km az=117.3.
SZGRF Carlsberg Ridge.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.1km az=0.4.
IDC Error ellipse: s-maj=17.3km s-min=13.8km az=12.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.5km az=196.0.
IDC VIII 31 05 09 42.4–1.7 1.01S 68.05E 0 3.7,3.5
¶12581590
IDC Error ellipse: s-maj=64.6km s-min=26.2km az=50.0.
ISC IX 02 14 14 56.9–.38 8.69N–.06 58.41E–.05 10 4.6b,3.9s 152 16-138
BJI IX 02 14 14 49.2 8.24N 57.89E 10 4.9b,4.5b **¶11284040**
IDC IX 02 14 14 55.3–.56 8.72N 58.43E 0 4.3,4.2
ISCJB IX 02 14 14 55.1–.38 8.72N–.06 58.37E–.05 10 4.6b,3.9s
MOS IX 02 14 14 55.2–1.0 8.77N 58.34E 10 5.0b,3.9s
NEIC IX 02 14 14 57.0–.32 8.72N 58.40E 10 4.9b,3.9s
CSEM IX 02 14 14 57.4–.20 8.78N 58.40E 10 4.9W,4.9b
GCMT IX 02 14 14 57.1–.40 8.57N 58.36E 12 4.9W,4.9b
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=13.6km az=142.0.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=7.0km az=161.3.
MOS Error ellipse: s-maj=10.1km s-min=7.4km az=93.3.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.8km az=156.0.
CSEM Event type ke. Error ellipse: s-maj=9.9km s-min=7.0km az=155.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s16,c19; s66,c91; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.14±.09 $M_{\theta\theta}$1.21±.08; $M_{\phi\phi}$0.93±.09; $M_{r\theta}$-0.23±.35; $M_{\theta\phi}$-1.07±.07; $M_{\phi r}$-1.31±.35; Best double couple: NP1:ϕ_s112.00000°,δ40.00000° ,λ-125.00000°. NP2:ϕ_s334.00000°,δ59.00000°,λ-65.00000°. Principal axes: T 2.2800,Plg10.0000°,Azm46.0000°; N 0.4400,Plg21.0000°,Azm140.0000° ; P -2.7100,Plg66.0000°,Azm293.0000° $M_0$2.50000×10^{16}
IDC IX 10 01 57 01.0–9.3 0.07N 67.30E 0 4.0,3.8s
¶11909922
IDC Error ellipse: s-maj=840.6km s-min=52.2km az=38.0.
IDC IX 26 18 44 36.7–1.6 2.97N 65.45E 0 3.8,3.6b
¶11911101
IDC Error ellipse: s-maj=57.1km s-min=27.9km az=47.0.
ISC IX 26 18 46 18.7–.15 2.97N–.03 65.35E–.02 10 5.3b,5.3s 804 9-156
BJI IX 26 18 46 09.5 2.28N 64.75E 10 5.7b,5.6s **¶12952205**
ISCJB IX 26 18 46 16.7–.16 2.97N–.03 65.33E–.02 10 5.3b,5.3s
SZGRF IX 26 18 46 16.5 2.21N 65.49E 33 5.7b,4.9s
MOS IX 26 18 46 16.8–1.0 3.12N 65.29E 10 5.5b,5.1s
IDC IX 26 18 46 17.8–.39 3.12N 65.49E 0 5.1s,5.1
NEIC IX 26 18 46 18.6–.20 3.07N 65.32E 10 5.6W,5.6W
DJA IX 26 18 46 21 3.00N 65.48E 17 5.4b,5.6W
GCMT IX 26 18 46 21.3–.10 2.99N 65.41E 12 5.7W,5.6W
TEH IX 26 18 46 23.0 3.12N 65.46E 33 5.7W,5.6W
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.7km az=15.2.
SZGRF Carlsberg Ridge.
MOS Error ellipse: s-maj=6.7km s-min=3.5km az=118.8.
IDC Error ellipse: s-maj=13.5km s-min=10.7km az=46.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.4km az=194.0. Moment Tensor Solution. s104 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.67 $M_{\theta\theta}$1.45 $M_{\phi\phi}$0.22 $M_{r\theta}$2.14 $M_{\theta\phi}$-0.70 $M_{\phi r}$0.84 Best double couple: NP1:ϕ_s262.00000°,δ73.00000°,λ-110.00000°. NP2:ϕ_s133.00000° ,δ26.00000°,λ-42.00000°. Principal axes: T 2.5700,Plg25.0000°,Azm7.0000° ; N 0.5400,Plg19.0000°,Azm267.0000°; P -3.1000,Plg57.0000°,Azm145.0000° $M_0$2.90000×10^{17}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=116, comp=248, per= 50. Moment Tensor Solution. s87,c149; s60,c70; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.54±.03 $M_{\theta\theta}$3.24±.03; $M_{\phi\phi}$0.31±.03; $M_{r\theta}$0.80±.10; $M_{\theta\phi}$-1.57±.03; $M_{\phi r}$0.10±.10; Best double couple: NP1:ϕ_s121.00000°,δ40.00000°,λ-79.00000°. NP2:ϕ_s287.00000°,δ51.00000°,λ-99.00000°. Principal axes: T 3.9900,Plg5.0000°,Azm23.0000°; N -0.3300,Plg7.0000°,Azm292.0000° ; P -3.6500,Plg81.0000°,Azm150.0000° $M_0$3.80000×10^{17}
IDC IX 26 19 00 38.0–3.0 3.21N 65.66E 0 4.0,3.7b
¶11911102
IDC Error ellipse: s-maj=119.1km s-min=38.0km az=58.0.
ISC IX 26 19 25 25.2–.79 2.9N–.10 65.2E–.10 10 4.1b 14 37-146
ISCJB IX 26 19 25 23.0–.73 2.9N–.10 65.1E–.10 10 4.1b **¶11911106**
IDC IX 26 19 25 23.4–.86 2.83N 65.11E 0 4.2,4.1b
NEIC IX 26 19 25 24.7–.58 2.83N 65.12E 10 4.2b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=17.1km az=13.7.
IDC Error ellipse: s-maj=26.6km s-min=23.9km az=93.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=14.7km az=118.0.
ISC IX 26 19 48 50.6–1.5 3.2N–.20 65.6E–.20 10 3.7b 11 36-146
ISCJB IX 26 19 48 48.6–1.5 3.2N–.20 65.6E–.20 10 3.7b **¶11911110**
IDC IX 26 19 48 48.8–1.5 3.12N 65.56E 0 3.8,3.6b
NEIC IX 26 19 48 50.5–1.2 3.18N 65.63E 10 4.0b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.4km s-min=21.8km az=45.0.
IDC Error ellipse: s-maj=46.2km s-min=25.2km az=54.0.
NEIC Event type se. Error ellipse: s-maj=30.5km s-min=20.0km az=217.0.
ISC IX 26 19 59 50.3–.81 3.0N–.10 65.6E–.10 10 3.9b 17 36-146
ISCJB IX 26 19 59 48.4–.80 3.0N–.10 65.6E–.10 10 3.9b **¶11911113**
IDC IX 26 19 59 48.6–.87 3.01N 65.57E 0 4.0,3.8b
NEIC IX 26 19 59 50.1–.62 3.00N 65.55E 10 4.8b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=18.0km az=171.4.
IDC Error ellipse: s-maj=24.1km s-min=21.3km az=66.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=15.1km az=96.0.
ISC IX 28 10 16 35.6–.50 0.54S–.09 67.37E–.09 10 4.3b,3.9s 25 13-150
ISCJB IX 28 10 16 33.6–.49 0.51S–.09 67.35E–.09 10 4.3b,3.9s **¶11911267**
IDC IX 28 10 16 33.8–.64 0.56S 67.39E 0 4.2,4.1
BJI IX 28 10 16 34.7 0.27S 67.74E 8 5.2b,4.3b
NEIC IX 28 10 16 35.5–.39 0.52S 67.36E 10 4.6b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=8.9km az=140.5.
IDC Error ellipse: s-maj=21.0km s-min=17.3km az=126.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.7km az=141.0.
ISC X 14 19 40 35.0–.61 2.18S–.10 68.18E–.09 10 4.1b,3.5s 35 16-152
ISCJB X 14 19 40 33.0–.61 2.17S–.10 68.19E–.09 10 4.1b,3.5s **¶12068630**
IDC X 14 19 40 33.3–.93 2.21S 68.14E 0 4.1,3.9
NEIC X 14 19 40 34.6–.44 2.19S 68.17E 10 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=13.1km az=19.1.
IDC Error ellipse: s-maj=29.2km s-min=21.5km az=40.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=10.8km az=160.0.
IDC X 14 19 41 56.2–5.4 2.22S 68.02E 0 3.9,3.7b
¶12068632
IDC Error ellipse: s-maj=173.5km s-min=28.6km az=67.0.
ISC X 14 21 55 59.4–6.8 2.2S–.10 68.0E–.10 11–44 4.0b,3.5s 19 13-152
ISCJB X 14 21 55 56.9–7.0 2.2S–.10 68.0E–.10 8–46 4.0b,3.5s **¶12068640**
IDC X 14 21 55 57.9–1.0 2.18S 68.03E 0 3.9,3.7
NEIC X 14 21 55 59.3–.48 2.16S 67.98E 10 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.8km s-min=13.5km az=145.3.
IDC Error ellipse: s-maj=35.7km s-min=24.9km az=130.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.7km az=146.0.
IDC X 29 19 47 12.4–2.6 2.24N 67.10E 0 3.7,3.5b
¶12071523
IDC Error ellipse: s-maj=97.7km s-min=32.3km az=64.0.
ISC XI 11 12 18 13.8–1.3 1.60N–.04 66.68E–.03 15–8 4.9b,4.5s 301 8-148
BJI XI 11 12 18 05.5 0.95N 66.32E 10 5.4b,4.9s **¶11433902**
ISCJB XI 11 12 18 10.1–1.2 1.62N–.04 66.64E–.03 5–7 4.9b,4.5s
MOS XI 11 12 18 10.9–.96 1.67N 66.70E 10 5.2b,4.5s
IDC XI 11 12 18 11.3–.44 1.57N 66.80E 0 4.6,4.5
NEIC XI 11 12 18 12.8–.29 1.59N 66.70E 10 5.1b,4.5
GCMT XI 11 12 18 15.0–.20 1.51N 66.78E 12 5.2W,4.5
DJA XI 11 12 18 18 1.33N 65.95E 81 5.0b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.4km az=12.3.
MOS Error ellipse: s-maj=9.7km s-min=5.9km az=111.7.
IDC Error ellipse: s-maj=14.2km s-min=12.4km az=29.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.4km az=12.0.
GCMT Event type se. Data Used: IU II IC G CN. Surface waves from 101 sta. Moment Tensor Solution. s47,c71; s99,c182; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.87±.14 $M_{\theta\theta}$6.11±.13; $M_{\phi\phi}$1.76±.14; $M_{r\theta}$1.88±.40; $M_{\theta\phi}$-3.02±.11; $M_{\phi r}$-1.66±.47; Best double couple: NP1: ϕ_s113.00000°,δ36.00000°,λ-97.00000°. NP2:ϕ_s301.00000°,δ54.00000°,λ-85.00000°. Principal axes: T 8.0300,Plg9.0000°,Azm28.0000°; N 0.2600,Plg4.0000°,Azm118.0000° ; P -8.2900,Plg80.0000°,Azm233.0000° $M_0$8.20000×10^{16}
ISC XI 11 14 53 55.6–.70 9.7N–.10 58.1E–.10 10 3.7b,3.5s 22 23-81
IDC XI 11 14 53 53.9–.93 9.63N 58.12E 0 3.9,3.8b **¶12073184**
ISCJB XI 11 14 53 54.1–.70 9.7N–.10 58.1E–.10 10 3.7b,3.5s
NEIC XI 11 14 53 55.5–.65 9.66N 58.11E 10 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=20.9km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=18.6km s-min=13.8km az=140.3.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=12.9km az=145.0.
ISC XI 11 22 46 38.7–.22 0.07N–.04 67.01E–.03 10 4.7b,4.5s 212 9-149
BJI XI 11 22 46 32.9 0.40S 66.80E 10 5.1b,4.9s **¶11433923**
MOS XI 11 22 46 36.5–.92 0.05N 67.06E 10 5.1b,4.5s
ISCJB XI 11 22 46 36.7–.22 0.07N–.04 66.99E–.03 10 4.7b,4.5s
IDC XI 11 22 46 36.5–.47 0.07S 67.09E 0 4.4s,4.4
NEIC XI 11 22 46 38.4–.22 0.02N 67.09E 10 5.0b,4.5s
GCMT XI 11 22 46 39.9–.20 0.03S 67.06E 12 5.1W,4.5s
DJA XI 11 22 46 43 0.08N 67.18E 30 4.9b,4.5s
ISC Event type se.
MOS Error ellipse: s-maj=9.3km s-min=7.0km az=89.6.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.8km az=147.2.
IDC Error ellipse: s-maj=14.4km s-min=13.7km az=55.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.5km az=122.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s36,c53; s86,c139; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.84±.11 $M_{\theta\theta}$1.84±.10; $M_{\phi\phi}$3.00±.10; $M_{r\theta}$2.51±.35;

Mθθ-2.34±.09; Mφr0.30±.32; Best double couple: NP1:φs160.00000°,δ40.00000°,λ-59.00000°. NP2:φs302.00000°,δ56.00000°,λ-114.00000°. Principal axes: T 5.0200,Plg8.0000° ,Azm48.0000°; N 0.7800,Plg20.0000°,Azm315.0000°; P -5.8100,Plg69.0000°,Azm160.0000° Mo5.40000×10^16

IDC XI 18 02 33 48.9–1.6 1.53N 66.84E 0 4.1,3.9
¶12073957

IDC Error ellipse: s-maj=48.2km s-min=24.3km az=51.0.
ISC XI 23 13 21 59.5–.81 2.1S–.10 68.1E–.10 10 3.8b,3.3s 19 37-152
IDC XI 23 13 21 56.8–2.0 2.10S 67.79E 0 3.8,3.6 **¶12074595**
ISCJB XI 23 13 21 57.6–.81 2.0S–.10 68.1E–.20 10 3.8b,3.3s
NEIC XI 23 13 21 59.2–.81 2.09S 68.05E 10 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=57.7km s-min=26.5km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=17.6km az=163.8.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=18.7km az=73.0.
IDC XII 18 00 16 29.0–9.5 3.82N 64.20E 0 4.1,3.8b
¶12077995

IDC Error ellipse: s-maj=813.1km s-min=55.1km az=40.0.
ISC XII 25 20 13 33.6–.67 1.6N–.10 66.9E–.10 10 3.9b 20 13-148
ISCJB XII 25 20 13 31.4–.67 1.6N–.10 66.9E–.10 10 3.9b **¶12078958**
IDC XII 25 20 13 31.6–1.4 1.50N 66.80E 0 3.9,3.7
NEIC XII 25 20 13 33.6–.51 1.63N 66.90E 10 4.5b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=14.9km az=153.2.
IDC Error ellipse: s-maj=38.4km s-min=26.1km az=37.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=11.8km az=154.0.
ISC XII 26 18 14 47.0–1.6 2.44S–.04 68.12E–.05 15–10 4.6b,4.3s 125 7-150
ISCJB XII 26 18 14 43.0–1.5 2.41S–.05 68.10E–.05 2–9 4.6b,4.3s **¶11519294**
BJI XII 26 18 14 44.4 2.25S 67.94E 10 5.1b,4.8s
IDC XII 26 18 14 44.3–.49 2.35S 68.15E 0 4.3,4.3
NEIC XII 26 18 14 45.8–.29 2.43S 68.14E 10 4.9b,4.3
GCMT XII 26 18 14 48.1–.20 2.50S 68.13E 12 5.0W,4.3
DJA XII 26 18 14 49 2.35S 68.30E 10 5.1b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=8.1km az=161.0.
IDC Error ellipse: s-maj=16.5km s-min=13.9km az=33.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=7.2km az=122.0.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s30,c40; s74,c120; Moment tensor: Scale 10^16Nm; Mrr-0.93±.11 Mθθ-2.47±.10; Mφφ3.40±.10; Mrθ-0.14±.30; Mθφ-1.73±.09; Mφr0.05±.27; Best double couple: NP1:φs30.00000°,δ87.00000°,λ-2.00000°. NP2:φs120.00000°,δ88.00000°,λ-177.00000°. Principal axes: T 3.8700,Plg1.0000° ,Azm255.0000°; N -0.9200,Plg86.0000°,Azm149.0000°; P -2.9500,Plg4.0000° ,Azm345.0000° Mo3.40000×10^16
ISC XII 29 12 11 46.1–1.5 1.21S–.06 67.56E–.05 12–9 4.7b,4.4s 117 10-151
BJI XII 29 12 11 43.5 1.11S 67.60E 4 5.1b,4.8s **¶11522245**
IDC XII 29 12 11 43.9–.57 1.11S 67.61E 0 4.3s,4.3
ISCJB XII 29 12 11 44.3–.37 1.20S–.06 67.53E–.05 14 4.7b,4.4s
NEIC XII 29 12 11 45.5–.31 1.19S 67.56E 10 5.2b,4.4s
GCMT XII 29 12 11 47.9–.20 1.26S 67.47E 14–1 5.2W,4.4s
DJA XII 29 12 11 56 0.84S 68.48E 10 5.0b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=15.3km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.3km az=155.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.3km az=148.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s62,c88; s96,c182; Moment tensor: Scale 10^16Nm; Mrr-0.78±.17 Mθθ-7.64±.18; Mφφ8.42±.19; Mrθ-1.11±.36; Mθφ-2.12±.15; Mφr1.62±.37; Best double couple: NP1:φs38.00000°,δ78.00000°,λ2.00000°. NP2:φs307.00000°,δ88.00000°,λ168.00000°. Principal axes: T 9.0100,Plg10.0000° ,Azm262.0000°; N -0.9900,Plg77.0000°,Azm118.0000°; P -8.0300,Plg7.0000° ,Azm353.0000° Mo8.50000×10^16
ISC XII 30 13 44 32.6–.80 1.3S–.20 67.6E–.10 10 3.7b 12 13-68
ISCJB XII 30 13 44 30.4–.81 1.3S–.20 67.6E–.10 10 3.7b **¶12079557**
IDC XII 30 13 44 30.7–1.5 1.32S 67.53E 0 3.8,3.7
NEIC XII 30 13 44 32.5–.62 1.34S 67.59E 10 4.2b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.1km s-min=14.3km az=159.3.
IDC Error ellipse: s-maj=49.1km s-min=28.7km az=137.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=11.2km az=160.0.

(425) South Indian Ocean.

IDC VIII 09 10 15 47.6–1.6 37.40S 52.23E 0 3.9,3.7
¶12580989

IDC Error ellipse: s-maj=82.7km s-min=33.1km az=38.0.
ISC IX 16 10 34 28.9–.82 2.5S–.10 85.4E–.10 10 3.7b 11 11-152
ISCJB IX 16 10 34 27.0–.79 2.4S–.10 85.4E–.10 10 3.7b **¶11910394**
IDC IX 16 10 34 27.9–.82 2.72S 85.42E 0 3.8,3.7b
NEIC IX 16 10 34 29.1–.69 2.51S 85.41E 10 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.1km s-min=15.5km az=16.0.
IDC Error ellipse: s-maj=29.7km s-min=24.6km az=1.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=15.7km az=184.0.
ISC IX 27 15 09 15.7–.37 35.38S–.07 90.5E–.10 10 4.3b,3.5s 32 22-167
ISCJB IX 27 15 09 13.7–.37 35.40S–.07 90.4E–.10 10 4.3b,3.5s **¶11911207**
IDC IX 27 15 09 14.2–.77 35.33S 90.46E 0 4.1,4.0
NEIC IX 27 15 09 15.6–.37 35.32S 90.45E 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=9.6km az=10.9.
IDC Error ellipse: s-maj=28.3km s-min=17.4km az=115.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=10.0km az=98.0.
ISC X 12 17 27 20.2–.23 3.32S–.04 81.63E–.03 10 4.8b,4.1s 293 10-154
BJI X 12 17 27 17.1 3.50S 81.81E 5 5.0b,4.6s **¶11346094**
ISCJB X 12 17 27 18.5–.24 3.30S–.04 81.67E–.03 10 4.8b,4.1s
IDC X 12 17 27 18.1–.43 3.28S 81.62E 0 4.5,4.4
NEIC X 12 17 27 19.5–.18 3.33S 81.68E 10 4.9b,4.2s
TEH X 12 17 27 20.0 3.35S 81.35E 10 4.9b,4.2s
GCMT X 12 17 27 23.4–.40 3.36S 81.84E 12–1 4.9W,4.2s
DJA X 12 17 27 26 3.17S 81.38E 30 5.0b,4.2s
SZGRF X 12 17 27 33.5 3.41S 78.32E 33 5.0b,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.7km az=169.3.
IDC Error ellipse: s-maj=15.5km s-min=12.6km az=34.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.6km az=165.0.
GCMT Event type se. Data Used: II IC G CN IU. Moment Tensor Solution. s24,c26; s61,c90; Moment tensor: Scale 10^16Nm; Mrr1.47±.16 Mθθ-2.68±.13; Mφφ1.21±.11; Mrθ-0.95±.30; Mθφ-1.15±.09; Mφr-1.76±.45; Best double couple: NP1:φs111.00000°,δ44.00000°,λ154.00000°. NP2:φs221.00000°,δ72.00000°,λ49.00000°. Principal axes: T 3.1100,Plg47.0000° ,Azm89.0000°; N 0.3200,Plg38.0000°,Azm235.0000°; P -3.4200,Plg17.0000°,Azm340.0000° Mo3.30000×10^16
SZGRF South Indian Ocean.
IDC X 12 18 01 45.8–8.1 3.36S 81.47E 0 3.5,3.4b
¶12068482

IDC Error ellipse: s-maj=255.4km s-min=29.0km az=62.0.
ISC X 16 04 28 44.8–1.5 3.41S–.05 81.61E–.03 8–9 4.7b,3.9s 222 10-156
BJI X 16 04 28 41.3 3.73S 81.63E 10 4.9b,4.7b **¶13397228**
IDC X 16 04 28 43.0–.48 3.36S 81.78E 0 4.5,4.5
ISCJB X 16 04 28 44.1–.25 3.40S–.04 81.64E–.03 15 4.7b,3.9s
NEIC X 16 04 28 44.5–.20 3.42S 81.74E 10 4.9b,3.9s
DJA X 16 04 28 47 2.77S 81.27E 20 5.1b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=13.9km az=6.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.0km az=175.7.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.5km az=1.0.
ISC X 22 09 41 23.5–.64 37.5S–.10 52.2E–.10 10 4.2b,3.6s 22 24-150
ISCJB X 22 09 41 21.6–.63 37.5S–.10 52.3E–.10 10 4.2b,3.6s **¶12070790**
IDC X 22 09 41 21.8–.73 37.34S 52.30E 0 4.5,4.4
NEIC X 22 09 41 23.5–.53 37.36S 52.28E 10 4.6b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=14.6km az=161.0.
IDC Error ellipse: s-maj=25.3km s-min=19.9km az=9.0.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=15.2km az=10.0.
ISC X 24 02 49 52.1–.62 37.3S–.10 52.3E–.20 10 3.9b,3.5s 19 26-150
ISCJB X 24 02 49 50.0–.62 37.3S–.10 52.3E–.20 10 3.9b,3.5s **¶12070953**
IDC X 24 02 49 50.7–.75 37.25S 52.35E 0 4.2,4.1
NEIC X 24 02 49 52.1–.44 37.23S 52.30E 10 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=16.6km az=144.8.
IDC Error ellipse: s-maj=25.5km s-min=24.1km az=42.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=13.3km az=219.0.
IDC XI 11 13 39 01.5–3.3 36.28S 53.13E 0 4.1,3.8b
¶12073180

IDC Error ellipse: s-maj=106.6km s-min=53.6km az=54.0.
ISC XII 29 09 33 42.3–.85 37.7S–.10 51.2E–.20 10 4.0b,3.9s 17 17-158
ISCJB XII 29 09 33 40.3–.84 37.7S–.10 51.2E–.20 10 4.0b,3.9s **¶11625130**
IDC XII 29 09 33 40.7–.82 37.55S 51.22E 0 4.2,4.0b
NEIC XII 29 09 33 42.3–.74 37.74S 51.26E 10 4.0b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.7km s-min=13.7km az=162.2.
IDC Error ellipse: s-maj=31.7km s-min=26.8km az=40.0.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=15.9km az=75.0.
IDC XII 30 03 41 24.4–1.0 37.37S 51.28E 0 4.2,4.1
¶12079486

IDC Error ellipse: s-maj=53.8km s-min=23.8km az=17.0.
IDC XII 30 03 55 06.0–1.1 37.41S 51.19E 0 4.3,4.1b
¶12079487

IDC Error ellipse: s-maj=56.5km s-min=27.1km az=19.0.
IDC XII 30 03 59 18.2–1.5 37.56S 51.21E 0 4.1b,4.1
¶12079488

IDC Error ellipse: s-maj=75.0km s-min=27.7km az=16.0.

(426) Chagos Archipelago region.

ISC VII 18 18 42 50.5–.58 8.1S–.10 68.1E–.10 10 4.0b,3.8s 23 33-158
ISCJB VII 18 18 42 48.7–.64 8.1S–.10 68.1E–.10 10 4.0b,3.8s **¶11811954**
IDC VII 18 18 42 49.4–.76 8.04S 68.14E 0 4.1,3.9
NEIC VII 18 18 42 50.3–.45 8.14S 68.11E 10 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=14.4km az=136.1.
IDC Error ellipse: s-maj=23.9km s-min=19.7km az=160.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=11.1km az=119.0.
ISC VII 19 08 47 41.7–.88 8.2S–.10 68.2E–.10 10 4.0b 16 32-149
ISCJB VII 19 08 47 39.6–.88 8.1S–.10 68.3E–.10 10 4.0b **¶11812034**
IDC VII 19 08 47 40.3–.94 8.17S 68.26E 0 4.0s,4.0
NEIC VII 19 08 47 41.7–.55 8.15S 68.25E 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=19.4km az=35.7.
IDC Error ellipse: s-maj=26.9km s-min=23.0km az=35.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=13.6km az=211.0.
ISC VIII 06 20 32 50.6–.82 5.3S–.10 68.4E–.10 10 3.9b,3.7s 16 38-155
ISCJB VIII 06 20 32 48.6–.82 5.2S–.10 68.4E–.10 10 3.9b,3.7s **¶11907832**
IDC VIII 06 20 32 49.1–.94 5.27S 68.43E 0 4.0,3.9
NEIC VIII 06 20 32 50.6–.52 5.26S 68.43E 10 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=16.3km az=144.0.
IDC Error ellipse: s-maj=29.0km s-min=21.3km az=147.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=11.8km az=143.0.
ISC VIII 13 17 52 16.5–.89 8.0S–.20 68.3E–.10 10 3.8b,3.4s 12 40-149
ISCJB VIII 13 17 52 14.4–.89 8.0S–.20 68.3E–.10 10 3.8b,3.4s **¶11908170**
IDC VIII 13 17 52 14.9–1.0 8.06S 68.26E 0 3.8,3.7
NEIC VIII 13 17 52 16.4–.63 8.04S 68.24E 10 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=20.3km az=24.6.
IDC Error ellipse: s-maj=29.0km s-min=25.3km az=24.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=15.1km az=204.0.
IDC VIII 29 08 39 40.0–.84 8.06S 68.24E 0 4.0,3.9
¶12581540

IDC Error ellipse: s-maj=25.2km s-min=23.5km az=120.0.
ISC IX 24 17 00 32.2–1.7 4.8S–.20 68.7E–.30 10 3.8s,3.7b 8 31-146
ISCJB IX 24 17 00 29.8–1.7 4.8S–.20 68.6E–.30 10 3.8s,3.7b **¶11910937**
IDC IX 24 17 00 30.2–1.7 4.86S 68.75E 0 3.9,3.8
NEIC IX 24 17 00 32.4–1.3 4.72S 68.69E 10 3.8b,3.8
GCMT IX 24 17 00 34.8–.40 5.13S 68.59E 12 4.8W,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=46.4km s-min=21.5km az=139.7.
IDC Error ellipse: s-maj=51.4km s-min=15.1km az=53.0.
NEIC Event type se. Error ellipse: s-maj=39.4km s-min=19.3km az=49.0.
GCMT Event type se. Data Used: IC II IU G. Moment Tensor Solution. s23,c29; s57,c80; Moment tensor: Scale 10^16Nm; Mrr-1.91±.08 Mθθ0.97±.08; Mφφ0.94±.08; Mrθ-0.02±.26; Mθφ-0.80±.07; Mφr0.15±.29; Best double couple: NP1:φs312.00000°,δ43.00000°,λ-94.00000°. NP2:φs137.00000°,δ47.00000°,λ-87.00000°. Principal axes: T 1.7600,Plg2.0000° ,Azm225.0000°; N 0.1600,Plg2.0000°,Azm315.0000°; P -1.9200,Plg87.0000°,Azm97.0000° Mo1.80000×10^16
IDC IX 28 12 54 08.3–19 5.75S 70.37E 0 3.8,3.5b
¶11911270

IDC Error ellipse: s-maj=647.0km s-min=38.8km az=63.0.
ISC IX 30 09 27 02.7–1.6 5.3S–.20 68.5E–.30 10 4.0b,3.5s 10 31-155
ISCJB IX 30 09 27 00.2–1.6 5.3S–.20 68.4E–.30 10 4.0b,3.5s **¶11911446**
IDC IX 30 09 27 01.1–1.4 5.32S 68.49E 0 4.1,4.0
NEIC IX 30 09 27 03.0–.67 5.27S 68.53E 10 4.1b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=44.9km s-min=20.1km az=140.9.
IDC Error ellipse: s-maj=44.2km s-min=22.7km az=52.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=15.9km az=51.0.
ISC X 09 14 58 55.3–.79 7.6S–.10 68.5E–.10 10 4.2b,3.9s 21 4-149
ISCJB X 09 14 58 52.8–.74 7.6S–.10 68.4E–.10 10 4.2b,3.9s **¶12066436**
IDC X 09 14 58 54.1–.96 7.59S 68.52E 0 4.2,4.1
NEIC X 09 14 58 55.4–.65 7.54S 68.51E 10 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=16.2km az=159.0.
IDC Error ellipse: s-maj=27.6km s-min=24.6km az=71.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=14.6km az=184.0.
IDC X 11 03 54 09.6–2.7 7.94S 68.52E 0 4.0,3.9b
¶12066562

IDC Error ellipse: s-maj=54.4km s-min=38.7km az=45.0.
ISC X 12 15 50 38.5–.56 8.06S–.10 68.39E–.06 10 4.1b,4.0s 36 4-149
ISCJB X 12 15 50 36.4–.55 8.02S–.10 68.38E–.06 10 4.1b,4.0s **¶12068473**
IDC X 12 15 50 37.7–.71 8.03S 68.14E 0 4.1,4.0s
NEIC X 12 15 50 38.6–.57 8.02S 68.27E 10 4.4b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=8.5km az=179.4.
IDC Error ellipse: s-maj=23.9km s-min=19.0km az=79.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=14.6km az=162.0.
ISC XI 21 22 35 51.4–.79 5.5S–.10 68.8E–.10 10 4.1b 16 4-147
ISCJB XI 21 22 35 49.2–.79 5.4S–.10 68.7E–.10 10 4.1b **¶12074449**
IDC XI 21 22 35 51.0–2.3 5.34S 68.93E 0 4.2,4.0
NEIC XI 21 22 35 51.5–.63 5.44S 68.78E 10 4.2,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=13.4km az=23.0.
IDC Error ellipse: s-maj=60.8km s-min=15.9km az=54.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=11.3km az=202.0.
ISC XI 26 04 47 02.8–1.5 4.91S–.04 68.50E–.03 17–9 4.9b,4.3s 271 5-155
BJI XI 26 04 46 52.0 5.72S 68.02E 10 5.2b,5.0b **¶13401143**
ISCJB XI 26 04 46 59.0–1.4 4.90S–.04 68.51E–.03 6–8 4.9b,4.3s
MOS XI 26 04 46 59.6–.97 4.88S 68.57E 10 5.0b,4.3s
IDC XI 26 04 47 00.2–.48 4.84S 68.55E 0 4.5,4.5
NEIC XI 26 04 47 01.7–.20 4.92S 68.55E 10 4.9b,4.5
TEH XI 26 04 47 01.0 4.97S 68.53E 10 4.9b,4.5
GCMT XI 26 04 47 03.8–.20 4.92S 68.47E 12 5.2W,4.5
DJA XI 26 04 47 04 5.18S 68.58E 19 5.2b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.8km az=177.2.
MOS Error ellipse: s-maj=8.4km s-min=6.5km az=92.8.
IDC Error ellipse: s-maj=15.6km s-min=12.2km az=24.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.0km az=182.0.

GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s47,c65; s89,c152; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.39±.14 $M_{\theta\theta}$-5.67±.13; $M_{\phi\phi}$7.06±.12; $M_{r\theta}$-0.20±.38; $M_{\theta\phi}$-1.62±.13; $M_{\phi r}$1.53±.35; Best double couple: NP1:ϕ_s38.00000°,δ83.00000°,λ7.00000°. NP2:ϕ_s307.00000°,δ83.00000°,λ173.00000°. Principal axes: T 7.5300,Plg10.0000° ,Azm263.0000°; N -1.6600,Plg80.0000°,Azm83.0000°; P -5.8700,Plg0.0000°,Azm353.0000° M_o6.70000×10^{16}

ISC XII 21 06 03 16.1–2.5 6.8S–.10 71.67E–.10 10–17 4.2b,3.6s 39 1-157
IDC XII 21 06 03 14.6–.57 6.76S 71.67E 0 4.3,4.2 **¶12078420**
NEIC XII 21 06 03 16.3–.25 6.76S 71.67E 10 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=16.3km az=2.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.6km az=221.0.

(427) Mauritius - Reunion region.

IDC VII 07 10 59 01.1–11 19.08S 65.18E 0 4.1,3.9b
¶12698059
IDC Error ellipse: s-maj=380.0km s-min=30.9km az=58.0.
ISC VII 07 11 13 17.5–.54 18.7S–.10 65.66E–.09 10 4.0s,4.0b 14 17-88
ISCJB VII 07 11 13 15.5–.54 18.7S–.10 65.69E–.09 10 4.0s,4.0b **¶11810876**
IDC VII 07 11 13 15.9–.84 18.66S 65.73E 0 4.0,3.9b
NEIC VII 07 11 13 17.4–.50 18.71S 65.66E 10 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=12.6km az=170.3.
IDC Error ellipse: s-maj=29.0km s-min=20.5km az=75.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=11.8km az=172.0.
IDC VII 07 12 09 11.9–1.5 18.47S 66.53E 0 3.9s,3.9
¶12698062
IDC Error ellipse: s-maj=62.9km s-min=33.4km az=11.0.
IDC VII 07 14 01 02.5–6.6 18.86S 66.46E 0 4.0,3.8s
¶12698065
IDC Error ellipse: s-maj=230.1km s-min=32.4km az=51.0.
ISC VII 27 15 08 12.6–.50 20.04S–.10 66.3E–.10 10 4.1b,4.0s 33 34-167
ISCJB VII 27 15 08 10.7–.50 20.0S–.10 66.3E–.10 10 4.1b,4.0s **¶11812724**
IDC VII 27 15 08 10.9–.62 20.06S 66.31E 0 4.1,4.1
NEIC VII 27 15 08 12.4–.38 20.07S 66.31E 10 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=12.5km az=42.9.
IDC Error ellipse: s-maj=21.0km s-min=17.4km az=118.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.9km az=128.0.
ISC VIII 11 02 28 52.2–.66 20.0S–.10 66.7E–.20 10 4.0b,4.0s 16 38-89
ISCJB VIII 11 02 28 50.3–.66 20.0S–.10 66.8E–.20 10 4.0b,4.0s **¶11908064**
IDC VIII 11 02 28 50.6–.83 20.05S 66.73E 0 4.0,3.9
NEIC VIII 11 02 28 52.1–.47 20.03S 66.73E 10 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=17.8km az=22.9.
IDC Error ellipse: s-maj=25.7km s-min=23.2km az=133.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=13.1km az=113.0.
ISC VIII 11 05 23 29.4–.63 20.0S–.10 66.5E–.10 10 4.1b,4.0s 23 34-167
ISCJB VIII 11 05 23 27.5–.63 20.0S–.10 66.5E–.10 10 4.1b,4.0s **¶11908070**
IDC VIII 11 05 23 27.6–.70 19.96S 66.54E 0 4.2,4.1
NEIC VIII 11 05 23 29.1–.48 19.99S 66.50E 10 4.6b,4.1
GCMT VIII 11 05 23 34.9–.30 19.80S 66.66E 14–1 4.9W,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.4km s-min=15.0km az=161.0.
IDC Error ellipse: s-maj=23.5km s-min=18.9km az=168.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=13.1km az=161.0.
GCMT Event type se. Data Used: IC II IU G CN. Moment Tensor Solution. s20,c29; s59,c82; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.61±.22 $M_{\theta\theta}$0.52±.12; $M_{\phi\phi}$2.09±.15; $M_{r\theta}$1.27±.33; $M_{\theta\phi}$-1.25±.10; $M_{\phi r}$0.84±.30; Best double couple: NP1:ϕ_s308.00000°,δ49.00000°,λ-125.00000°. NP2:ϕ_s175.00000°,δ52.00000°,λ-57.00000°. Principal axes: T 2.7800,Plg1.0000° ,Azm242.0000°; N 0.5500,Plg26.0000°,Azm332.0000°; P -3.3400,Plg64.0000° ,Azm149.0000° M_o3.10000×10^{16}
ISC VIII 22 07 47 41.0–1.1 17.84S–.03 65.42E–.02 16–7 5.6s,5.5b 761 8-165
ISCJB VIII 22 07 47 36.7–1.0 17.82S–.03 65.46E–.02 0–6 5.6s,5.6b **¶11184393**
IDC VIII 22 07 47 38.0–.46 17.77S 65.50E 0 5.4s,5.4
BJI VIII 22 07 47 38.6 17.31S 65.06E 8 5.7s,5.7b
NEIC VIII 22 07 47 39.6–.16 17.77S 65.39E 6 6.0W,5.9W
MOS VIII 22 07 47 41.6–1.1 17.30S 65.38E 15 5.7b,5.4s
PRE VIII 22 07 47 42.0–2.6 17.80S 65.44E 23–0 5.2b,5.4s
TEH VIII 22 07 47 43.0 17.94S 65.41E 33 5.2b,5.4s
DJA VIII 22 07 47 44 17.73S 65.33E 20 5.5b,5.4s
GCMT VIII 22 07 47 44.2–.10 17.71S 65.42E 16–0 6.0W,5.4s
SZGRF VIII 22 07 47 45.8 17.40S 64.27E 33 5.6b,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.0km az=173.5.
IDC Error ellipse: s-maj=15.7km s-min=12.6km az=7.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=15.0. Moment Tensor Solution. s48 Moment tensor: Scale 10^{17}Nm; M_{rr}1.39 $M_{\theta\theta}$-8.08 $M_{\phi\phi}$6.69 $M_{r\theta}$-1.99 $M_{\theta\phi}$3.76 $M_{\phi r}$1.96 Best double couple: NP1:ϕ_s58.00000°,δ72.00000°,λ0.00000°. NP2:ϕ_s328.00000°,δ90.00000° ,λ162.00000°. Principal axes: T 7.9300,Plg13.0000°,Azm281.0000°; N 1.5900,Plg71.0000° ,Azm146.0000°; P -9.5100,Plg12.0000°,Azm14.0000° M_o8.80000×10^{17}
MOS Error ellipse: s-maj=9.1km s-min=4.3km az=111.3.
PRE Error ellipse: s-maj=27.4km s-min=116.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=245, per= 50. Moment Tensor Solution. s107,c225; s89,c124; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12±.01 $M_{\theta\theta}$-1.10±.01; $M_{\phi\phi}$1.22±.01; $M_{r\theta}$-0.17±.02; $M_{\theta\phi}$0.57±.01; $M_{\phi r}$0.03±.02; Best double couple: NP1:ϕ_s148.00000°,δ84.00000°,λ-174.00000°. NP2:ϕ_s58.00000°,δ84.00000°,λ-7.00000°. Principal axes: T 1.3500,Plg1.0000°,Azm103.0000°; N -0.0900,Plg81.0000°,Azm197.0000° ; P -1.2600,Plg9.0000°,Azm13.0000° M_o1.30000×10^{18}
SZGRF Mauritius - Reunion region.
ISC VIII 31 22 28 08.8–.49 18.7S–.10 65.54E–.08 10 4.1s,4.0b 18 10-166
ISCJB VIII 31 22 28 06.8–.50 18.7S–.10 65.56E–.08 10 4.1s,4.0b **¶11909186**
IDC VIII 31 22 28 07.1–.80 18.63S 65.56E 0 4.1,4.1s
NEIC VIII 31 22 28 08.7–.37 18.66S 65.55E 10 4.1b,4.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=11.1km az=174.8.
IDC Error ellipse: s-maj=26.4km s-min=22.4km az=68.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.1km az=173.0.
ISC VIII 31 22 30 48.0–.38 18.68S–.08 65.36E–.07 10 4.2b,3.9s 37 9-165
ISCJB VIII 31 22 30 46.0–.39 18.69S–.08 65.37E–.07 10 4.2b,3.9s **¶11909187**
IDC VIII 31 22 30 46.5–.58 18.64S 65.42E 0 4.2,4.1
NEIC VIII 31 22 30 47.6–.34 18.68S 65.36E 10 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=9.1km az=157.5.
IDC Error ellipse: s-maj=18.7km s-min=17.2km az=62.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.8km az=160.0.
ISC VIII 31 23 59 29.6–.36 18.57S–.06 65.55E–.07 10 4.3b,3.9s 47 10-165
ISCJB VIII 31 23 59 27.7–.35 18.55S–.06 65.59E–.07 10 4.3b,3.9s **¶11909191**
IDC VIII 31 23 59 28.0–.57 18.60S 65.54E 0 4.3,4.2
NEIC VIII 31 23 59 29.5–.27 18.57S 65.54E 10 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=9.2km az=140.8.
IDC Error ellipse: s-maj=19.1km s-min=15.6km az=73.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.8km az=155.0.
ISC IX 01 00 37 39.2–.42 18.58S–.08 65.54E–.07 10 4.2s,4.2b 32 10-165
ISCJB IX 01 00 37 37.3–.42 18.56S–.09 65.55E–.07 10 4.2s,4.2b **¶11909193**
IDC IX 01 00 37 37.6–.68 18.61S 65.52E 0 4.2,4.2s
NEIC IX 01 00 37 39.0–.30 18.58S 65.54E 10 4.7b,4.2s
GCMT IX 01 00 37 41.9–.30 18.58S 65.34E 12 5.1W,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=9.1km az=162.8.
IDC Error ellipse: s-maj=21.2km s-min=20.4km az=14.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.4km az=162.0.
GCMT Event type se. Data Used: II IC G IU. Moment Tensor Solution. s30,c36; s67,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.36±.12 $M_{\theta\theta}$0.65±.13; $M_{\phi\phi}$2.71±.12; $M_{r\theta}$0.17±.47; $M_{\theta\phi}$-1.14±.11; $M_{\phi r}$3.52±.39; Best double couple: NP1:ϕ_s323.00000°,δ24.00000°,λ-119.00000°. NP2:ϕ_s174.00000°,δ69.00000°,λ-77.00000°. Principal axes: T 4.5600,Plg23.0000° ,Azm255.0000°; N 0.4800,Plg12.0000°,Azm350.0000°; P -5.0400,Plg64.0000° ,Azm105.0000° M_o4.80000×10^{16}
ISC IX 01 08 28 19.9–.34 18.68S–.07 65.42E–.06 10 4.5b,4.5s 66 8-165
ISCJB IX 01 08 28 17.9–.34 18.69S–.07 65.43E–.06 10 4.5b,4.5s **¶11909209**
IDC IX 01 08 28 18.6–.46 18.55S 65.46E 0 4.4,4.4b
NEIC IX 01 08 28 19.9–.29 18.61S 65.38E 10 4.8b,4.4b
GCMT IX 01 08 28 22.7–.40 18.34S 65.33E 13–1 5.0W,4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=7.4km az=154.3.
IDC Error ellipse: s-maj=15.2km s-min=13.7km az=46.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.0km az=159.0.
GCMT Event type se. Data Used: G IU IC II. Moment Tensor Solution. s16,c22; s57,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.70±.30 $M_{\theta\theta}$0.40±.18; $M_{\phi\phi}$3.31±.22; $M_{r\theta}$0.90±.61; $M_{\theta\phi}$-1.00±.13; $M_{\phi r}$0.82±.48; Best double couple: NP1:ϕ_s329.00000°,δ43.00000°,λ-112.00000°. NP2:ϕ_s178.00000°,δ51.00000°,λ-71.00000°. Principal axes: T 3.6600,Plg4.0000° ,Azm254.0000°; N 0.3800,Plg15.0000°,Azm345.0000°; P -4.0300,Plg75.0000° ,Azm149.0000° M_o3.80000×10^{16}
IDC IX 02 05 32 42.8–4.3 18.18S 64.91E 0 4.0,3.9b
¶11909261
IDC Error ellipse: s-maj=121.5km s-min=42.1km az=60.0.
ISC X 09 02 33 34.1–.37 17.36S–.07 66.47E–.08 10 4.3b,4.3s 54 9-165
ISCJB X 09 02 33 32.1–.37 17.35S–.07 66.51E–.08 10 4.3b,4.3s **¶12066393**
IDC X 09 02 33 32.4–.53 17.28S 66.50E 0 4.2s,4.2
NEIC X 09 02 33 34.1–.45 17.33S 66.54E 10 4.7b,4.2
GCMT X 09 02 33 38.1–.30 17.32S 66.43E 21–1 5.0W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=9.8km az=30.5.
IDC Error ellipse: s-maj=17.4km s-min=15.3km az=135.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=12.3km az=135.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s26,c32; s76,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22±.15 $M_{\theta\theta}$-3.14±.13; $M_{\phi\phi}$3.36±.14; $M_{r\theta}$-1.11±.23; $M_{\theta\phi}$1.56±.11; $M_{\phi r}$-1.49±.25; Best double couple: NP1:ϕ_s146.00000°,δ65.00000°,λ175.00000°. NP2:ϕ_s238.00000°,δ85.00000°,λ25.00000°. Principal axes: T 4.3600,Plg21.0000° ,Azm105.0000°; N -0.6800,Plg65.0000°,Azm248.0000°; P -3.6800,Plg14.0000° ,Azm10.0000° M_o4.00000×10^{16}

(428) Southwest Indian Ridge.

ISC VII 05 16 34 31.9–2.5 36.29S–.07 52.42E–.10 36–23 4.5b,4.0s 37 18-172
BJI VII 05 16 34 25.5 36.30S 52.40E 10 5.0b,4.6b **¶11479862**
ISCJB VII 05 16 34 26.3–.40 36.30S–.08 52.47E–.09 10 4.5b,4.0s
IDC VII 05 16 34 26.6–.53 36.25S 52.45E 0 4.5,4.4b
NEIC VII 05 16 34 28.0–.26 36.28S 52.44E 10 4.8b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=9.0km az=38.4.
IDC Error ellipse: s-maj=20.8km s-min=14.4km az=28.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.4km az=219.0.
IDC VII 11 06 39 26.6–.88 38.60S 46.56E 0 4.2,4.0
¶12698133
IDC Error ellipse: s-maj=39.3km s-min=20.6km az=25.0.
ISC VII 16 14 50 56.6–.96 28.4S–.20 62.5E–.20 10 4.1b,3.9s 13 39-146
ISCJB VII 16 14 50 54.6–.96 28.5S–.20 62.6E–.20 10 4.1b,3.9s **¶11811750**
IDC VII 16 14 50 54.8–.96 28.48S 62.55E 0 4.2,4.1
NEIC VII 16 14 50 56.1–.60 28.45S 62.43E 10 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.1km s-min=20.2km az=155.5.
IDC Error ellipse: s-maj=33.2km s-min=23.3km az=57.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=15.2km az=57.0.
ISC VII 27 14 12 56.2–.66 28.8S–.10 61.8E–.20 10 4.2b,3.6s 11 32-146
ISCJB VII 27 14 12 54.3–.66 28.9S–.10 61.8E–.20 10 4.2b,3.6s **¶11812722**
IDC VII 27 14 12 55.0–1.1 28.86S 61.92E 0 4.2,4.1
NEIC VII 27 14 12 56.2–.56 28.84S 61.76E 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=18.2km az=168.0.
IDC Error ellipse: s-maj=42.2km s-min=22.7km az=93.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=16.2km az=77.0.
IDC VIII 02 15 59 52.4–1.6 29.59S 61.19E 0 3.9,3.7b
¶12580902
IDC Error ellipse: s-maj=64.7km s-min=33.6km az=22.0.
ISC VIII 12 00 25 06.1–.58 30.9S–.10 59.27E–.10 10 4.0b 21 16-87
ISCJB VIII 12 00 25 04.0–.58 31.0S–.10 59.28E–.10 10 4.0b **¶11908097**
IDC VIII 12 00 25 04.3–.91 30.95S 59.22E 0 4.0,3.9b
NEIC VIII 12 00 25 05.9–.37 30.93S 59.28E 10 4.3b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.3km s-min=11.9km az=14.5.
IDC Error ellipse: s-maj=28.7km s-min=25.3km az=56.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.6km az=194.0.
ISC VIII 20 09 31 50.2–.61 32.1S–.10 57.1E–.10 10 4.0b,3.3s 20 16-86
ISCJB VIII 20 09 31 48.2–.62 32.2S–.10 57.1E–.10 10 4.0b,3.3s **¶11908483**
IDC VIII 20 09 31 48.7–.73 32.24S 57.17E 0 4.1,4.1
NEIC VIII 20 09 31 50.0–.62 32.15S 57.11E 10 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=12.3km az=41.4.
IDC Error ellipse: s-maj=28.9km s-min=18.7km az=45.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=12.4km az=222.0.
ISC VIII 20 10 14 06.4–.77 32.0S–.10 57.1E–.20 10 3.9b 17 16-144
IDC VIII 20 10 14 03.5–1.5 32.21S 56.97E 0 4.8L,4.0 **¶11908486**
ISCJB VIII 20 10 14 04.3–.77 32.0S–.10 57.1E–.20 10 3.9b,4.0
NEIC VIII 20 10 14 06.2–.53 32.00S 57.08E 10 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=50.9km s-min=22.5km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=13.8km az=137.2.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=9.6km az=47.0.
IDC VIII 26 05 29 38.5–1.4 34.76S 54.54E 0 4.5L,3.9
¶12581422
IDC Error ellipse: s-maj=45.7km s-min=29.8km az=86.0.
IDC VIII 27 08 14 25.5–6.0 34.48S 55.98E 0 4.0,3.8b
¶12581460
IDC Error ellipse: s-maj=362.0km s-min=42.3km az=34.0.
ISC VIII 27 08 30 48.3–.72 33.9S–.10 56.3E–.20 10 4.3b,4.0s 18 17-174
ISCJB VIII 27 08 30 46.3–.72 33.9S–.10 56.2E–.20 10 4.3b,4.0s **¶11653103**
IDC VIII 27 08 30 46.5–.67 33.83S 56.29E 0 4.3,4.2
BJI VIII 27 08 30 47.4 33.66S 56.48E 10 4.9b,4.2
NEIC VIII 27 08 30 48.0–.36 33.88S 56.23E 10 4.4b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=14.5km az=143.9.
IDC Error ellipse: s-maj=28.7km s-min=19.6km az=48.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=10.7km az=56.0.
IDC VIII 30 07 06 00.0–1.2 31.57S 58.12E 0 5.4s,5.4
¶12581564
IDC Error ellipse: s-maj=53.1km s-min=23.2km az=17.0.
IDC VIII 30 23 26 57.4–1.2 30.11S 60.62E 0 3.9,3.7b
¶12581583
IDC Error ellipse: s-maj=39.8km s-min=25.9km az=71.0.
ISC X 03 09 49 30.4–.51 32.0S–.10 57.2E–.10 10 4.3b,3.5s 30 16-153
ISCJB X 03 09 49 28.4–.50 32.0S–.10 57.2E–.10 10 4.3b,3.5s **¶12065773**
IDC X 03 09 49 28.4–.57 31.92S 57.24E 0 4.4,4.3
NEIC X 03 09 49 30.0–.42 31.96S 57.22E 10 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=12.7km az=36.6.
IDC Error ellipse: s-maj=20.7km s-min=17.5km az=27.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.0km az=215.0.
ISC X 17 08 35 30.9–.43 30.38S–.09 60.72E–.10 10 4.2b,3.8s 36 10-153
ISCJB X 17 08 35 28.9–.43 30.41S–.09 60.72E–.10 10 4.2b,3.8s **¶12068873**
IDC X 17 08 35 28.9–.53 30.44S 60.77E 0 4.3,4.2
NEIC X 17 08 35 30.9–.47 30.33S 60.71E 10 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=11.4km az=36.8.
IDC Error ellipse: s-maj=17.7km s-min=16.3km az=86.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.6km az=217.0.
IDC X 17 12 54 59.8–5.7 30.26S 60.94E 0 3.7,3.4b
¶12068885
IDC Error ellipse: s-maj=162.9km s-min=40.8km az=59.0.
IDC X 23 15 55 53.3–2.9 30.50S 60.77E 0 3.8,3.6b
¶12070909
IDC Error ellipse: s-maj=100.4km s-min=33.8km az=41.0.

IDC XI 15 09 24 36.0–1.6 28.92S 61.53E 0 4.0,3.8
¶12073612

IDC Error ellipse: s-maj=60.4km s-min=31.9km az=25.0.
ISC XI 20 10 45 52.3–.40 33.57S–.07 57.2E–.10 10 4.6b,3.9s 46 28-151
ISCJB XI 20 10 45 50.3–.40 33.57S–.07 57.2E–.10 10 4.6b,3.9s **¶12074255**
IDC XI 20 10 45 50.7–.54 33.57S 57.22E 0 4.3,4.2
NEIC XI 20 10 45 52.2–.27 33.56S 57.19E 10 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=9.9km az=11.3.
IDC Error ellipse: s-maj=20.3km s-min=15.4km az=82.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.3km az=81.0.
IDC XI 23 08 26 47.3–1.0 28.27S 62.53E 0 3.9,3.7b
¶12074575

IDC Error ellipse: s-maj=37.3km s-min=25.1km az=72.0.
IDC XII 03 03 51 56.4–1.6 27.07S 62.29E 0 3.7,3.6b
¶12075585

IDC Error ellipse: s-maj=79.8km s-min=30.6km az=26.0.
ISC XII 04 10 25 38.3–.84 38.7S–.20 46.8E–.10 10 4.2b,3.6s 20 21-162
ISCJB XII 04 10 25 36.5–.84 38.8S–.20 46.8E–.10 10 4.2b,3.6s **¶12075729**
IDC XII 04 10 25 36.2–.85 38.75S 46.80E 0 4.3,4.2
NEIC XII 04 10 25 37.7–.41 38.78S 46.76E 10 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.0km s-min=13.7km az=14.3.
IDC Error ellipse: s-maj=44.9km s-min=19.4km az=17.0.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=9.7km az=192.0.
IDC XII 14 07 16 56.2–1.1 29.10S 61.28E 0 4.1,3.9
¶12077412

IDC Error ellipse: s-maj=48.6km s-min=27.6km az=20.0.
ISC XII 22 03 22 47.6–.51 28.1S–.10 63.0E–.10 10 4.0b,3.8s 32 33-146
ISCJB XII 22 03 22 45.7–.51 28.2S–.10 63.0E–.10 10 4.0b,3.8s **¶12078513**
IDC XII 22 03 22 45.8–.62 28.15S 62.96E 0 4.1,4.1
NEIC XII 22 03 22 47.4–.34 28.14S 62.94E 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=15.3km az=158.7.
IDC Error ellipse: s-maj=21.3km s-min=18.1km az=55.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.6km az=69.0.
IDC XII 22 10 01 58.1–1.5 34.50S 55.42E 0 4.1,3.9
¶12078540

IDC Error ellipse: s-maj=75.1km s-min=29.6km az=22.0.
IDC XII 22 10 35 47.6–.83 34.42S 55.49E 0 4.3,4.1
¶12078544

IDC Error ellipse: s-maj=33.3km s-min=24.6km az=37.0.
IDC XII 25 00 11 58.2–1.6 29.35S 61.19E 0 4.1,3.9b
¶12078874

IDC Error ellipse: s-maj=88.3km s-min=31.0km az=20.0.
ISC XII 29 23 27 21.0–.81 28.2S–.20 63.2E–.20 10 4.2b,3.7s 26 18-153
ISCJB XII 29 23 27 19.1–.81 28.2S–.20 63.2E–.20 10 4.2b,3.7s **¶12079465**
IDC XII 29 23 27 19.2–1.2 28.21S 63.16E 0 4.3,4.1
NEIC XII 29 23 27 20.9–.48 28.20S 63.16E 10 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.4km s-min=15.6km az=33.1.
IDC Error ellipse: s-maj=43.5km s-min=22.7km az=36.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=10.1km az=211.0.
IDC XII 30 03 35 39.5–1.3 37.68S 50.93E 0 4.2,3.9b
¶12079485

IDC Error ellipse: s-maj=47.5km s-min=35.4km az=98.0.

(429) Mid-Indian Ridge.

ISC VII 03 09 10 28.4–.46 23.98S–.09 69.62E–.09 10 4.4s,4.2b 36 39-152
ISCJB VII 03 09 10 26.5–.46 23.98S–.09 69.66E–.10 10 4.4s,4.2b **¶11810486**
IDC VII 03 09 10 26.6–.58 23.98S 69.61E 0 4.3s,4.3
NEIC VII 03 09 10 28.3–.32 23.97S 69.60E 10 4.5b,4.3
GCMT VII 03 09 10 31.1–.20 23.68S 69.48E 12 5.1W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=11.7km az=37.1.
IDC Error ellipse: s-maj=20.3km s-min=15.5km az=43.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.8km az=45.0.
GCMT Event type se. Data Used: IU IC II G CN. Moment Tensor Solution. s25,c29; s91,c151; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.57±.12 $M_{\theta\theta}$1.38±.11; $M_{\phi\phi}$3.19±.10; $M_{r\theta}$1.47±.43; $M_{\theta\phi}$-2.32±.10; $M_{\phi r}$3.32±.39; Best double couple: NP1:ϕ_s305.00000°,δ38.00000°,λ-131.00000°. NP2:ϕ_s173.00000°,δ62.00000°,λ-63.00000°. Principal axes: T 5.2300,Plg13.0000° ,Azm243.0000°; N 1.2000,Plg24.0000°,Azm339.0000°; P -6.4300,Plg62.0000° ,Azm127.0000° M_o5.80000×10^{16}
IDC VII 03 09 13 55.3–5.5 24.25S 69.24E 0 3.9,3.7b
¶12697965

IDC Error ellipse: s-maj=180.7km s-min=34.2km az=55.0.
IDC VII 03 09 28 01.9–19 24.14S 69.50E 0 3.9s,3.9
¶12697967

IDC Error ellipse: s-maj=653.7km s-min=36.2km az=50.0.
ISC VII 06 23 15 15.0–.40 25.46S–.08 70.04E–.09 10 4.2b,4.0s 38 40-95
ISCJB VII 06 23 15 13.0–.40 25.46S–.08 70.07E–.09 10 4.2b,4.0s **¶11479883**
IDC VII 06 23 15 13.6–.64 25.45S 70.14E 0 4.1,4.0
BJI VII 06 23 15 14.4 25.07S 70.15E 10 4.3b,4.0
NEIC VII 06 23 15 14.6–.28 25.48S 69.99E 10 4.7b,4.0
GCMT VII 06 23 15 18.5–.30 25.28S 70.01E 12 4.9W,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=11.5km az=13.6.
IDC Error ellipse: s-maj=20.9km s-min=18.2km az=86.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=8.2km az=122.0.
GCMT Event type se. Data Used: II G IU IC. Moment Tensor Solution. s24,c29; s64,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.44±.09 $M_{\theta\theta}$0.10±.10; $M_{\phi\phi}$2.35±.08; $M_{r\theta}$-1.08±.33; $M_{\theta\phi}$-0.61±.08; $M_{\phi r}$1.32±.31; Best double couple: NP1:ϕ_s359.00000°,δ30.00000°,λ-67.00000°. NP2:ϕ_s152.00000°,δ62.00000°,λ-103.00000°. Principal axes: T 2.9600,Plg16.0000° ,Azm252.0000°; N 0.0900,Plg12.0000°,Azm158.0000°; P -3.0500,Plg70.0000°,Azm35.0000° M_o3.00000×10^{16}
ISC VII 14 17 17 17.0–.53 21.0S–.10 68.6E–.10 10 4.0s,3.9b 24 40-95
ISCJB VII 14 17 17 15.1–.53 21.0S–.10 68.6E–.10 10 4.0s,3.9b **¶11811571**
IDC VII 14 17 17 15.3–.66 21.00S 68.57E 0 4.0,3.9
NEIC VII 14 17 17 16.8–.46 20.99S 68.57E 10 4.1b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=14.5km az=168.1.
IDC Error ellipse: s-maj=20.4km s-min=18.3km az=169.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=12.3km az=144.0.
ISC VII 19 08 13 59.2–.38 11.24S–.07 66.34E–.06 10 4.5b,4.2s 91 31-160
BJI VII 19 08 13 52.6 11.45S 65.49E 10 5.0b,4.7s **¶13389562**
ISCJB VII 19 08 13 57.3–.38 11.23S–.08 66.38E–.06 10 4.5b,4.2s
IDC VII 19 08 13 57.3–.51 11.24S 66.44E 0 4.4,4.3
NEIC VII 19 08 13 59.2–.24 11.16S 66.40E 10 4.7b,4.3
SZGRF VII 19 08 14 05.1 10.63S 66.21E 20 5.0b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=8.7km az=159.7.
IDC Error ellipse: s-maj=16.7km s-min=14.6km az=151.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=8.2km az=173.0.
SZGRF Mid-Indian Ridge.
IDC VII 19 08 29 26.0–3.2 9.28S 66.99E 0 4.0s,4.0
¶12698311

IDC Error ellipse: s-maj=111.0km s-min=34.0km az=60.0.
IDC VII 20 02 18 20.1–3.7 11.94S 65.54E 0 4.0,3.8b
¶12698337

IDC Error ellipse: s-maj=331.4km s-min=31.2km az=32.0.
IDC VII 24 07 39 00.9–1.3 12.73S 66.42E 0 4.0,3.9b
¶12698416

IDC Error ellipse: s-maj=40.2km s-min=29.0km az=14.0.
IDC VIII 08 03 05 17.6–1.8 9.07S 67.60E 0 4.0,3.9
¶12580972

IDC Error ellipse: s-maj=52.7km s-min=31.3km az=34.0.
ISC VIII 08 14 43 49.7–3.2 25.43S–.09 70.03E–.08 16–19 4.7s,4.5b 76 22-150
IDC VIII 08 14 43 46.7–.70 25.41S 70.06E 0 4.6s,4.6 **¶11160001**
BJI VIII 08 14 43 47.6 25.66S 69.82E 33 5.1b,4.9s
ISCJB VIII 08 14 43 48.5–.45 25.45S–.09 70.08E–.07 22 4.7s,4.5b
NEIC VIII 08 14 43 48.3–.38 25.41S 70.09E 10 5.0b,4.5b
GCMT VIII 08 14 43 50.8–.20 25.04S 69.82E 12 5.3W,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=17.0km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.8km az=161.6.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.0km az=168.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s43,c56; s93,c166; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s315.00000°,δ33.00000°,λ-132.00000°. NP2:ϕ_s182.00000° ,δ66.00000°,λ-66.00000°. Principal axes: T 0.9400,Plg18.0000°,Azm255.0000° ; N 0.1100,Plg22.0000°,Azm352.0000°; P -1.0500,Plg61.0000°,Azm129.0000° M_o1.00000×10^{17}
ISC VIII 08 14 45 42.0–.69 25.3S–.10 70.1E–.10 10 4.2b 27 22-92
ISCJB VIII 08 14 45 40.0–.70 25.3S–.10 70.2E–.10 10 4.2b **¶11907967**
IDC VIII 08 14 45 40.1–.79 25.33S 70.06E 0 4.3s,4.3
NEIC VIII 08 14 45 41.6–.57 25.30S 70.15E 10 4.6b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=17.6km az=3.4.
IDC Error ellipse: s-maj=24.5km s-min=22.2km az=30.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=14.2km az=185.0.
IDC VIII 14 02 45 01.8–3.0 16.26S 67.07E 0 3.8,3.7b
¶12581072

IDC Error ellipse: s-maj=104.6km s-min=27.3km az=50.0.
IDC VIII 15 05 16 57.1–1.1 33.90S 77.52E 0 4.0,3.9
¶12581090

IDC Error ellipse: s-maj=33.7km s-min=23.3km az=60.0.
IDC VIII 15 16 18 15.9–1.5 40.99S 83.47E 0 4.1s,4.1
¶12581104

IDC Error ellipse: s-maj=46.3km s-min=29.5km az=103.0.
IDC VIII 22 00 53 32.1–1.6 20.32S 67.78E 0 4.1,3.9
¶12581277

IDC Error ellipse: s-maj=46.6km s-min=30.8km az=36.0.
ISC VIII 24 18 08 01.0–.48 16.82S–.10 66.89E–.09 10 4.2b,4.0s 23 19-165
ISCJB VIII 24 18 07 59.0–.48 16.80S–.10 66.92E–.09 10 4.2b,4.0s **¶11908704**
IDC VIII 24 18 07 59.0–.57 16.83S 66.84E 0 4.3,4.2
NEIC VIII 24 18 08 00.8–.38 16.78S 66.92E 10 3.9b,4.2
GCMT VIII 24 18 08 05.2–.30 16.97S 66.86E 17–1 4.9W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=12.5km az=150.1.
IDC Error ellipse: s-maj=19.1km s-min=16.5km az=76.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.5km az=146.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s17,c23; s65,c93; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.23±.14 $M_{\theta\theta}$-1.81±.09; $M_{\phi\phi}$3.04±.12; $M_{r\theta}$-1.51±.32; $M_{\theta\phi}$0.01±.09; $M_{\phi r}$-1.40±.28; Best double couple: NP1:ϕ_s141.00000°,δ46.00000°,λ-159.00000°. NP2:ϕ_s37.00000°,δ75.00000°,λ-46.00000°. Principal axes: T 3.5000,Plg18.0000° ,Azm95.0000°; N -0.3100,Plg43.0000°,Azm203.0000°; P -3.1900,Plg42.0000° ,Azm348.0000° M_o3.30000×10^{16}
IDC VIII 25 23 32 21.8–4.8 28.40S 75.26E 0 3.7,3.5b
¶12581409

IDC Error ellipse: s-maj=133.7km s-min=34.5km az=49.0.
IDC VIII 26 05 00 10.3–.86 33.60S 77.61E 0 4.1,4.0b
¶12581419

IDC Error ellipse: s-maj=27.5km s-min=21.9km az=28.0.
ISC VIII 29 04 52 54.9–.97 8.9S–.20 67.5E–.10 10 4.0b,3.6s 16 13-150
ISCJB VIII 29 04 52 52.5–.97 8.9S–.20 67.5E–.10 10 4.0b,3.6s **¶11909051**
IDC VIII 29 04 52 52.3–2.3 9.03S 67.24E 0 4.0,3.9
NEIC VIII 29 04 52 54.9–.83 8.89S 67.51E 10 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.9km s-min=14.6km az=31.8.
IDC Error ellipse: s-maj=71.0km s-min=26.1km az=57.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=13.1km az=209.0.
ISC VIII 30 14 42 30.1–.47 20.18S–.08 67.20E–.07 10 4.3b,4.1s 49 14-168
ISCJB VIII 30 14 42 28.1–.46 20.15S–.08 67.21E–.07 10 4.3b,4.1s **¶11653140**
NEIC VIII 30 14 42 28.0–4.0 20.41S 67.17E 6–24 4.7b,4.1s
IDC VIII 30 14 42 28.6–.62 20.15S 67.32E 0 4.3,4.3
GCMT VIII 30 14 42 35.4–.20 20.14S 67.46E 17–1 5.2W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=9.3km az=155.5.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.5km az=161.0.
IDC Error ellipse: s-maj=19.1km s-min=15.7km az=180.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s35,c42; s84,c149; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.45±.21 $M_{\theta\theta}$6.76±.20; $M_{\phi\phi}$-5.30±.17; $M_{r\theta}$-0.06±.43; $M_{\theta\phi}$-3.39±.17; $M_{\phi r}$3.60±.54; Best double couple: NP1:ϕ_s243.00000°,δ66.00000°,λ-164.00000°. NP2:ϕ_s146.00000°,δ76.00000°,λ-25.00000°. Principal axes: T 7.7600,Plg7.0000° ,Azm196.0000°; N 0.2800,Plg61.0000°,Azm299.0000°; P -8.0300,Plg28.0000° ,Azm103.0000° M_o7.90000×10^{16}
IDC IX 02 07 24 00.8–.80 25.97S 71.24E 0 4.3,4.2
¶11909265

IDC Error ellipse: s-maj=27.4km s-min=23.0km az=139.0.
IDC IX 03 14 54 18.5–2.7 15.36S 65.80E 0 4.4L,3.9
¶11909378

IDC Error ellipse: s-maj=81.2km s-min=32.4km az=165.0.
ISC IX 07 02 05 33.8–.20 23.72S–.04 69.41E–.03 10 5.3b,4.9s 458 21-172
BJI IX 07 02 05 29.2 23.78S 68.97E 5 5.3b,5.1s **¶13393636**
IDC IX 07 02 05 32.0–.41 23.70S 69.51E 0 4.6s,4.6
MOS IX 07 02 05 32.5–.85 23.58S 69.56E 10 5.6b,4.7s
ISCJB IX 07 02 05 32.1–.20 23.69S–.04 69.46E–.04 10 5.3b,4.9s
NEIC IX 07 02 05 33.7–.14 23.71S 69.49E 10 5.4b,5.0s
TEH IX 07 02 05 34.0 23.77S 69.48E 10 5.4b,5.0s
GCMT IX 07 02 05 35.6–.20 23.47S 69.41E 12 5.4W,5.0s
SZGRF IX 07 02 05 54.7 20.95S 65.98E 22 5.6b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=11.5km az=17.0.
MOS Error ellipse: s-maj=10.6km s-min=5.3km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.7km az=0.6.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.2km az=198.0.
GCMT Event type se. Data Used: II IU CN IC. Surface waves: sta= 88, comp=181, per= 50. Moment Tensor Solution. s47,c70; s15,c15; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.02±.02 $M_{\theta\theta}$0.28±.01; $M_{\phi\phi}$0.75±.02; $M_{r\theta}$-0.02±.05; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$0.94±.05; Best double couple: NP1:ϕ_s317.00000°,δ26.00000°,λ-119.00000°. NP2:ϕ_s169.00000°,δ67.00000°,λ-77.00000°. Principal axes: T 1.2900,Plg21.0000°,Azm248.0000°; N 0.1500,Plg12.0000°,Azm343.0000° ; P -1.4400,Plg65.0000°,Azm102.0000° M_o1.40000×10^{17}
SZGRF Mauritius - Reunion region.
ISC IX 07 02 39 09.4–2.3 23.74S–.05 69.52E–.05 0–14 4.8b,4.4s 188 21-172
BJI IX 07 02 39 07.3 23.73S 69.04E 10 5.0b,4.8b **¶11245830**
ISCJB IX 07 02 39 09.1–.27 23.73S–.05 69.56E–.05 10 4.7b,4.4s
IDC IX 07 02 39 09.1–.44 23.67S 69.49E 0 4.5,4.5
MOS IX 07 02 39 09.6–1.1 23.61S 69.59E 10 4.9b,4.5
NEIC IX 07 02 39 10.7–.21 23.72S 69.56E 10 4.8b,4.5
TEH IX 07 02 39 11.0 23.74S 69.61E 10 4.8b,4.5
GCMT IX 07 02 39 13.1–.20 23.45S 69.43E 12 5.0W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=7.0km az=160.0.
IDC Error ellipse: s-maj=15.9km s-min=13.0km az=10.0.
MOS Error ellipse: s-maj=13.6km s-min=7.2km az=108.8.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.6km az=204.0.
GCMT Event type se. Data Used: II IU IC CN. Moment Tensor Solution. s30,c33; s79,c118; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.62±.10 $M_{\theta\theta}$0.59±.09; $M_{\phi\phi}$3.03±.09; $M_{r\theta}$0.06±.38; $M_{\theta\phi}$-1.07±.07; $M_{\phi r}$1.31±.35; Best double couple: NP1:ϕ_s332.00000°,δ36.00000°,λ-102.00000°. NP2:ϕ_s167.00000°,δ55.00000°,λ-82.00000°. Principal axes: T 3.6400,Plg10.0000° ,Azm251.0000°; N 0.2500,Plg7.0000°,Azm342.0000°; P -3.8800,Plg78.0000°,Azm107.0000° M_o3.80000×10^{16}
ISC IX 07 04 18 00.8–.39 23.77S–.07 69.48E–.09 10 4.4b,3.8s 49 38-172
ISCJB IX 07 04 17 58.9–.39 23.76S–.07 69.53E–.09 10 4.4b,3.8s **¶11909681**
IDC IX 07 04 17 59.6–.58 23.66S 69.51E 0 4.4,4.3
NEIC IX 07 04 18 00.9–.27 23.67S 69.51E 10 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=10.4km az=159.8.
IDC Error ellipse: s-maj=20.0km s-min=16.8km az=43.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.0km az=224.0.
IDC IX 08 01 02 34.4–1.4 27.33S 74.19E 0 4.0,3.9b
¶11909772

IDC Error ellipse: s-maj=44.3km s-min=30.9km az=82.0.
IDC IX 10 23 23 46.0–4.3 26.09S 71.86E 0 3.9,3.7s
¶11910011

IDC Error ellipse: s-maj=124.7km s-min=33.0km az=52.0.
ISC IX 16 00 29 37.1–.43 23.82S–.08 69.49E–.10 10 4.0b,3.8s 28 17-172
ISCJB IX 16 00 29 35.2–.43 23.83S–.08 69.51E–.10 10 4.0b,3.8s **¶11910377**
IDC IX 16 00 29 35.5–.54 23.85S 69.48E 0 4.2,4.1
NEIC IX 16 00 29 36.9–.29 23.84S 69.45E 10 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=11.0km az=165.3.
IDC Error ellipse: s-maj=19.9km s-min=15.8km az=65.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.6km az=59.0.
IDC IX 18 04 51 33.3–10 36.96S 79.14E 0 4.1,3.9b
¶11910531

IDC Error ellipse: s-maj=344.3km s-min=48.3km az=34.0.
IDC IX 28 23 41 42.5–1.4 28.63S 74.90E 0 3.9,3.8b
¶11911307

IDC Error ellipse: s-maj=43.2km s-min=30.2km az=84.0.
ISC X 05 22 49 24.3–.29 25.99S–.05 70.45E–.05 10 4.8s,4.7b 87 19-163
ISCJB X 05 22 49 22.3–.29 25.95S–.06 70.48E–.05 10 4.8s,4.7b **¶12066071**
IDC X 05 22 49 22.3–.50 25.91S 70.54E 0 4.8s,4.8
NEIC X 05 22 49 24.0–.20 25.90S 70.51E 10 5.0b,4.8
DJA X 05 22 49 26 25.62S 70.31E 10 5.1b,4.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.8km az=165.7.
IDC Error ellipse: s-maj=15.0km s-min=13.8km az=160.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=5.0km az=169.0.
IDC X 06 01 24 02.3–4.6 25.98S 70.46E 0 4.0s,3.9
¶12066082

IDC Error ellipse: s-maj=130.0km s-min=35.7km az=54.0.
ISC X 09 20 20 34.4–.34 36.70S–.06 79.3E–.10 10 4.7s,4.7b 75 31-153
ISCJB X 09 20 20 32.4–.34 36.70S–.06 79.4E–.10 10 4.7s,4.7b **¶12066461**
IDC X 09 20 20 33.4–.51 36.66S 79.32E 0 4.7,4.6s
NEIC X 09 20 20 34.6–.41 36.64S 79.34E 10 5.0b,4.6s
GCMT X 09 20 20 37.8–.20 36.54S 78.94E 12 5.2W,4.6s
DJA X 09 20 20 49 37.37S 77.84E 86 4.8b,4.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=8.6km az=21.8.
IDC Error ellipse: s-maj=18.1km s-min=15.1km az=146.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.7km az=154.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c79; s85,c150;
Moment tensor: Scale 10^{16}Nm; M_{rr}0.24±.15 $M_{\theta\theta}$-7.23±.13; $M_{\phi\phi}$6.99±.13; $M_{r\theta}$2.46±.41;
$M_{\theta\phi}$1.29±.14; $M_{\theta r}$-1.21±.40; Best double couple: NP1:ϕ_s229.00000°,δ72.00000°,λ-6.00000°.
NP2:ϕ_s321.00000°,δ84.00000°,λ-162.00000°. Principal axes: T 7.2500,Plg9.0000°
,Azm94.0000°; N 0.8800,Plg71.0000°,Azm338.0000°; P -8.1300,Plg17.0000°,Azm186.0000°
M_o7.70000×10^{16}
ISC X 13 18 11 49.8–.51 20.5S–.10 67.7E–.10 10 4.0b,3.8s 26 30-96
ISCJB X 13 18 11 47.9–.51 20.5S–.10 67.8E–.10 10 4.0b,3.8s **¶12068566**
IDC X 13 18 11 48.4–.72 20.46S 67.89E 0 4.1,4.0
NEIC X 13 18 11 49.7–.52 20.47S 67.73E 10 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=13.5km az=39.8.
IDC Error ellipse: s-maj=27.2km s-min=18.5km az=103.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=14.0km az=130.0.
ISC X 22 09 07 48.4–.49 26.3S–.10 75.2E–.10 10 4.0b,3.4s 33 19-177
ISCJB X 22 09 07 46.4–.49 26.4S–.10 75.2E–.10 10 4.0b,3.4s **¶12070786**
IDC X 22 09 07 46.8–.59 26.29S 75.21E 0 4.1,4.1
NEIC X 22 09 07 48.4–.37 26.30S 75.20E 10 4.9b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=12.9km az=164.3.
IDC Error ellipse: s-maj=19.3km s-min=17.9km az=129.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=10.0km az=173.0.
ISC X 22 16 09 09.6–.66 10.7S–.10 66.73E–.09 10 4.0b,3.6s 21 7-159
ISCJB X 22 16 09 07.4–.66 10.6S–.10 66.75E–.09 10 4.0b,3.6s **¶12070809**
IDC X 22 16 09 08.1–.96 10.79S 66.65E 0 4.3,4.1
NEIC X 22 16 09 09.2–.71 10.64S 66.71E 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=13.1km az=180.0.
IDC Error ellipse: s-maj=35.0km s-min=21.5km az=27.0.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=15.2km az=180.0.
ISC X 24 02 35 49.7–.61 23.8S–.10 69.6E–.20 10 4.0b,3.8s 24 39-172
ISCJB X 24 02 35 47.6–.61 23.9S–.10 69.6E–.20 10 4.0b,3.8s **¶12070951**
IDC X 24 02 35 48.0–.70 23.85S 69.57E 0 4.1,4.0
NEIC X 24 02 35 49.5–.42 23.85S 69.56E 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.8km s-min=16.0km az=157.5.
IDC Error ellipse: s-maj=27.5km s-min=19.2km az=53.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=11.4km az=67.0.
IDC X 29 23 37 05.5–10 43.14S 83.79E 0 4.1,4.0b
¶12071571

IDC Error ellipse: s-maj=312.6km s-min=26.0km az=134.0.
ISC X 29 23 41 01.0–.42 42.82S–.08 83.4E–.10 10 4.4b,4.1s 36 11-170
ISCJB X 29 23 40 59.1–.42 42.84S–.08 83.4E–.10 10 4.4b,4.1s **¶12071574**
IDC X 29 23 40 59.2–.63 42.82S 83.39E 0 4.4,4.3
NEIC X 29 23 41 00.9–.36 42.85S 83.50E 10 4.8b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=9.9km az=41.7.
IDC Error ellipse: s-maj=21.8km s-min=18.1km az=130.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.7km az=136.0.
IDC X 30 21 30 33.4–10 12.02S 66.40E 0 3.7,3.5s
¶12071671

IDC Error ellipse: s-maj=346.3km s-min=34.5km az=64.0.
ISC X 31 13 29 41.5–.35 11.59S–.06 66.36E–.06 10 4.4b 96 7-160
ISCJB X 31 13 29 39.3–.35 11.59S–.06 66.33E–.06 10 4.4b **¶11380726**
DJA X 31 13 29 39 11.69S 62.32E 10 5.1b
IDC X 31 13 29 40.6–.56 11.42S 66.59E 0 4.1,4.0b
NEIC X 31 13 29 41.1–.31 11.62S 66.33E 10 4.7b,4.0b
BJI X 31 13 29 41.8 11.60S 66.30E 30 4.9b,4.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=8.5km az=136.7.
IDC Error ellipse: s-maj=17.0km s-min=15.4km az=52.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.6km az=149.0.
ISC X 31 13 30 00.9–4.4 11.47S–.05 66.49E–.04 5–27 4.9b,4.6s 359 7-160
BJI X 31 13 29 54.3 12.17S 65.76E 20 5.3b,4.8s **¶12071736**
MOS X 31 13 29 59.8–1.0 11.42S 66.53E 10 5.4b,4.8s
ISCJB X 31 13 29 59.8–.23 11.43S–.05 66.52E–.04 10 4.9b,4.6s
IDC X 31 13 30 00.1–.41 11.47S 66.50E 0 4.6,4.6
NEIC X 31 13 30 01.7–.17 11.48S 66.51E 10 5.2b,4.8s
GCMT X 31 13 30 02.9–.20 11.61S 66.36E 12 5.2W,4.8s
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=4.9km az=112.2.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=5.4km az=19.7.
IDC Error ellipse: s-maj=14.2km s-min=11.4km az=54.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.6km az=201.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s46,c60; s88,c156;
Moment tensor: Scale 10^{16}Nm; M_{rr}-6.70±.12 $M_{\theta\theta}$2.03±.13; $M_{\phi\phi}$4.67±.13; $M_{r\theta}$-2.04±.42;
$M_{\theta\phi}$-2.39±.10; $M_{\theta r}$2.89±.38; Best double couple: NP1:ϕ_s331.00000°,δ31.00000°,λ-87.00000°.
NP2:ϕ_s147.00000°,δ59.00000°,λ-92.00000°. Principal axes: T 6.9900,Plg14.0000°
,Azm239.0000°; N 0.6300,Plg2.0000°,Azm148.0000°; P -7.6200,Plg75.0000°,Azm52.0000°
M_o7.30000×10^{16}
ISC X 31 13 45 26.1–.71 11.6S–.10 66.3E–.10 10 4.4b,4.0s 39 7-160
ISCJB X 31 13 45 24.1–.71 11.5S–.10 66.3E–.10 10 4.4b,4.0s **¶12071737**
IDC X 31 13 45 24.9–1.4 11.48S 66.39E 0 4.0s,4.0
NEIC X 31 13 45 26.6–.51 11.47S 66.36E 10 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=14.5km az=144.9.
IDC Error ellipse: s-maj=45.5km s-min=21.0km az=47.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.5km az=137.0.
ISC X 31 18 01 38.5–1.1 12.0S–.10 65.7E–.20 10 4.0b 23 30-149
ISCJB X 31 18 01 36.1–1.1 12.1S–.10 65.7E–.20 10 4.0b **¶12071755**
NEIC X 31 18 01 39.0–1.1 11.99S 65.79E 10 4.3b
IDC X 31 18 01 39.3–2.0 11.73S 65.93E 0 3.9,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.5km s-min=15.8km az=152.9.
NEIC Event type se. Error ellipse: s-maj=34.3km s-min=16.9km az=62.0.
IDC Error ellipse: s-maj=61.1km s-min=26.8km az=53.0.
ISC XI 05 07 44 53.9–.58 41.8S–.10 80.0E–.10 10 4.1b,3.8s 23 10-173
ISCJB XI 05 07 44 51.8–.58 41.8S–.10 79.9E–.10 10 4.1b,3.8s **¶12072355**
IDC XI 05 07 44 52.4–1.0 41.73S 79.93E 0 4.1,4.0
NEIC XI 05 07 44 53.9–.41 41.80S 79.98E 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=10.9km az=137.5.
IDC Error ellipse: s-maj=35.4km s-min=19.9km az=121.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.5km az=137.0.
IDC XI 08 13 28 53.0–26 29.21S 73.14E 0 4.0,3.7
¶12072822

IDC Error ellipse: s-maj=631.0km s-min=49.2km az=65.0.
ISC XI 08 14 05 26.7–3.1 28.5S–.50 74.3E–.50 10 3.9b,3.4s 19 43-83
IDC XI 08 14 05 24.6–3.6 28.46S 74.19E 0 4.0,3.8 **¶12072826**
NEIC XI 08 14 05 26.5–2.8 28.48S 74.31E 10 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=111.2km s-min=28.4km az=44.0.
NEIC Event type se. Error ellipse: s-maj=88.4km s-min=18.8km az=224.0.
IDC XI 08 14 08 35.5–16 27.94S 74.85E 0 3.9,3.8b
¶12072828

IDC Error ellipse: s-maj=597.9km s-min=36.0km az=41.0.
IDC XI 10 07 27 54.6–23 21.95S 69.54E 0 4.0,3.9b
¶12073047

IDC Error ellipse: s-maj=782.8km s-min=32.6km az=52.0.
IDC XI 10 17 17 46.2–11 28.05S 74.72E 0 4.0,3.9b
¶12073085

IDC Error ellipse: s-maj=396.2km s-min=49.7km az=150.0.
IDC XI 11 16 31 54.4–3.5 29.47S 75.54E 0 3.8,3.7b
¶12073192

IDC Error ellipse: s-maj=125.0km s-min=28.6km az=35.0.
ISC XI 12 19 33 38.9–.59 15.3S–.10 66.9E–.10 10 4.0b,3.5s 25 41-152
ISCJB XI 12 19 33 36.9–.60 15.3S–.10 66.9E–.10 10 4.0b,3.5s **¶12073338**
IDC XI 12 19 33 37.5–1.1 15.19S 66.92E 0 4.0,3.9
NEIC XI 12 19 33 39.0–.89 15.21S 66.91E 10 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=17.0km az=7.8.
IDC Error ellipse: s-maj=34.7km s-min=23.1km az=25.0.
NEIC Event type se. Error ellipse: s-maj=28.6km s-min=18.3km az=214.0.
IDC XI 14 05 03 13.7–2.9 16.71S 66.94E 0 3.7,3.5b
¶12073488

IDC Error ellipse: s-maj=114.7km s-min=27.4km az=45.0.
ISC XI 16 20 02 56.1–.83 22.7S–.20 69.8E–.20 10 3.8b 21 50-78
ISCJB XI 16 20 02 54.0–.83 22.7S–.20 69.8E–.20 10 3.8b **¶12073778**
IDC XI 16 20 02 54.4–1.1 22.67S 69.71E 0 4.0,3.9b
NEIC XI 16 20 02 55.9–.73 22.68S 69.73E 10 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.5km s-min=18.1km az=135.9.
IDC Error ellipse: s-maj=35.3km s-min=22.1km az=47.0.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=16.2km az=47.0.
IDC XII 01 20 01 48.7–4.3 29.13S 74.84E 0 4.0,3.8b
¶12075442

IDC Error ellipse: s-maj=123.3km s-min=35.9km az=47.0.
IDC XII 04 05 24 16.6–2.3 10.06S 66.77E 0 4.0,3.8b
¶12075686

IDC Error ellipse: s-maj=83.0km s-min=27.6km az=58.0.
IDC XII 08 21 15 55.9–1.7 33.73S 77.32E 0 3.9,3.8b
¶12076414

IDC Error ellipse: s-maj=55.6km s-min=30.3km az=22.0.
IDC XII 09 07 22 00.6–.94 33.53S 77.30E 0 4.0,3.9b
¶12076487

IDC Error ellipse: s-maj=34.6km s-min=26.7km az=36.0.
ISC XII 11 01 25 13.2–.63 33.7S–.10 77.4E–.10 10 4.1b,3.8s 30 33-150
ISCJB XII 11 01 25 11.4–.63 33.7S–.10 77.4E–.10 10 4.2b,3.8s **¶12076827**
IDC XII 11 01 25 11.5–.85 33.66S 77.32E 0 4.2,4.1
NEIC XII 11 01 25 12.9–.38 33.71S 77.33E 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=14.6km az=26.1.
IDC Error ellipse: s-maj=30.0km s-min=24.1km az=54.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.2km az=206.0.
ISC XII 11 13 01 38.3–1.6 7.9S–.20 67.8E–.30 10 4.0b 20 40-157
ISCJB XII 11 13 01 35.7–1.7 8.0S–.20 67.7E–.30 10 4.0b **¶12076926**
IDC XII 11 13 01 37.5–1.5 7.84S 67.92E 0 3.9,3.8b
NEIC XII 11 13 01 38.8–.86 7.86S 67.89E 10 4.2b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=47.8km s-min=19.7km az=139.0.
IDC Error ellipse: s-maj=47.3km s-min=23.7km az=47.0.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=13.9km az=48.0.
ISC XII 11 13 06 21.4–1.7 7.9S–.20 67.9E–.30 10 3.8b 13 40-149
ISCJB XII 11 13 06 18.8–1.7 8.0S–.30 67.9E–.30 10 3.8b **¶12076927**
IDC XII 11 13 06 20.2–1.7 7.95S 67.98E 0 3.9,3.7b
NEIC XII 11 13 06 21.7–1.2 7.91S 67.98E 10 3.9,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=52.2km s-min=21.1km az=142.0.
IDC Error ellipse: s-maj=52.4km s-min=25.7km az=48.0.
NEIC Event type se. Error ellipse: s-maj=39.5km s-min=18.1km az=49.0.
ISC XII 11 13 25 30.6–.61 33.9S–.10 77.2E–.10 10 4.0b,3.8s 24 33-150
ISCJB XII 11 13 25 28.7–.61 33.9S–.10 77.2E–.10 10 4.0b,3.8s **¶12076932**
IDC XII 11 13 25 29.3–1.0 33.69S 77.22E 0 4.0,3.9
NEIC XII 11 13 25 30.7–.59 33.77S 77.20E 10 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=15.4km az=6.1.
IDC Error ellipse: s-maj=37.8km s-min=21.1km az=9.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=11.8km az=192.0.
ISC XII 15 16 50 45.0–.54 16.20S–.09 67.5E–.10 10 4.4b,3.8s 52 40-165
ISCJB XII 15 16 50 42.9–.54 16.20S–.09 67.5E–.10 10 4.4b,3.8s **¶12077631**
IDC XII 15 16 50 43.6–.71 16.23S 67.54E 0 4.2,4.0
NEIC XII 15 16 50 45.0–.42 16.17S 67.51E 10 5.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=12.5km az=177.9.
IDC Error ellipse: s-maj=24.3km s-min=20.1km az=169.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.4km az=92.0.
ISC XII 16 10 19 40.0–.25 16.35S–.05 67.09E–.05 10 4.7b,4.4s 238 10-165
BJI XII 16 10 19 35.7 16.27S 66.14E 10 5.2b,5.0s **¶12077739**
MOS XII 16 10 19 38.6–1.4 16.18S 67.14E 10 5.1b,4.3s
ISCJB XII 16 10 19 38.0–.25 16.34S–.05 67.12E–.05 10 4.7b,4.4s
IDC XII 16 10 19 38.1–.43 16.30S 67.18E 0 4.5,4.4
NEIC XII 16 10 19 40.0–.25 16.29S 67.13E 10 5.1b,4.4
GCMT XII 16 10 19 43.7–.20 16.20S 67.04E 16–1 5.2W,4.4
ISC Event type se.
MOS Error ellipse: s-maj=10.3km s-min=6.8km az=100.1.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=6.4km az=179.5.
IDC Error ellipse: s-maj=14.7km s-min=14.1km az=30.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=7.4km az=159.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s57,c80; s92,c154;
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.56±.19 $M_{\theta\theta}$-7.38±.19; $M_{\phi\phi}$7.94±.20; $M_{r\theta}$-0.03±.49;
$M_{\theta\phi}$3.42±.16; $M_{\theta r}$-0.87±.51; Best double couple: NP1:ϕ_s237.00000°,δ85.00000°,λ3.00000°.
NP2:ϕ_s147.00000°,δ87.00000°,λ175.00000°. Principal axes: T 8.7500,Plg5.0000°
,Azm102.0000°; N -0.6400,Plg85.0000°,Azm295.0000°; P -8.1100,Plg1.0000°
,Azm192.0000° M_o8.40000×10^{16}
ISC XII 23 09 25 39.1–1.2 20.3S–.20 67.7E–.20 10 4.1b,3.9s 17 19-165
ISCJB XII 23 09 25 37.0–1.2 20.3S–.20 67.7E–.20 10 4.1b,3.9s **¶12078658**
IDC XII 23 09 25 37.3–1.3 20.36S 67.71E 0 4.2,4.1b
NEIC XII 23 09 25 39.3–.61 20.27S 67.73E 10 4.4b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.5km s-min=19.8km az=40.2.
IDC Error ellipse: s-maj=40.8km s-min=25.2km az=35.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=14.1km az=218.0.

IDC XII 27 22 06 23.9–4.7 15.08S 66.69E 0 4.0,3.9s
¶12079219

IDC Error ellipse: s-maj=128.0km s-min=35.4km az=66.0.
IDC XII 30 08 00 25.5–1.1 30.47S 74.58E 0 4.2,4.0
¶12079504

IDC Error ellipse: s-maj=47.6km s-min=25.4km az=8.0.
IDC XII 31 12 29 19.9–2.5 9.92S 66.00E 0 3.8,3.7
¶12079655

IDC Error ellipse: s-maj=75.3km s-min=33.2km az=62.0.

(430) South of Africa.

ISC VIII 26 08 07 08.5–.35 52.56S–.06 26.4E–.10 10 4.8b,4.3s 40 18-167
ISCJB VIII 26 08 07 06.8–.35 52.54S–.06 26.3E–.10 10 4.8b,4.3s **¶11208031**
IDC VIII 26 08 07 06.7–.48 52.58S 26.30E 0 4.8,4.7
NEIC VIII 26 08 07 08.5–.20 52.53S 26.42E 10 5.0b,4.7
GCMT VIII 26 08 07 08.5–.30 52.63S 26.66E 12 4.9W,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=8.1km az=169.9.
IDC Error ellipse: s-maj=20.7km s-min=15.0km az=67.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.7km az=65.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s19,c23; s63,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.81±.09 $M_{\theta\theta}$2.49±.08; $M_{\phi\phi}$0.33±.10; $M_{r\theta}$-0.28±.36; $M_{\theta\phi}$-0.61±.07; $M_{\phi r}$0.47±.32; Best double couple: NP1:ϕ_s278.00000°,δ41.00000°,λ-101.00000°. NP2:ϕ_s112.00000°,δ50.00000°,λ-81.00000°. Principal axes: T 2.6800,Plg4.0000° ,Azm195.0000°; N 0.2200,Plg7.0000°,Azm286.0000°; P -2.8900,Plg82.0000°,Azm75.0000° M_o2.80000×10^{16}
ISC IX 08 15 21 07.1–.52 52.10S–.06 28.4E–.20 10 3.9b,3.8s 24 18-153
ISCJB IX 08 15 21 05.7–.52 52.07S–.06 28.1E–.20 10 3.9b,3.8s **¶11909816**
IDC IX 08 15 21 05.6–.67 52.01S 28.40E 0 4.1,4.0
NEIC IX 08 15 21 07.3–.38 52.05S 28.44E 10 4.1b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=8.7km az=171.8.
IDC Error ellipse: s-maj=33.4km s-min=15.6km az=71.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=8.8km az=72.0.
ISC IX 08 15 37 55.6–.61 52.22S–.08 28.0E–.20 10 3.7b,3.1s 14 21-84
ISCJB IX 08 15 37 54.3–.61 52.16S–.08 27.8E–.20 10 3.7b,3.1s **¶11909817**
IDC IX 08 15 37 54.3–1.1 52.07S 28.21E 0 3.9,3.8
NEIC IX 08 15 37 56.2–.65 52.13S 28.26E 10 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=10.8km az=166.2.
IDC Error ellipse: s-maj=41.7km s-min=21.2km az=64.0.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=11.4km az=64.0.
ISC IX 09 20 06 16.6–.64 53.5S–.10 25.0E–.20 10 4.0b 11 25-85
ISCJB IX 09 20 06 14.8–.64 53.5S–.10 24.9E–.20 10 4.0b **¶11909899**
IDC IX 09 20 06 14.8–1.1 53.55S 25.01E 0 4.0,3.8
NEIC IX 09 20 06 16.5–.44 53.50S 25.02E 10 4.6b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.0km s-min=15.7km az=13.2.
IDC Error ellipse: s-maj=48.1km s-min=30.3km az=13.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=11.1km az=103.0.
IDC IX 27 00 26 55.6–1.1 52.35S 26.20E 0 4.1,3.9
¶11911133

IDC Error ellipse: s-maj=32.7km s-min=26.5km az=82.0.
IDC X 22 10 26 37.1–1.9 52.32S 26.50E 0 3.9,3.8
¶12070795

IDC Error ellipse: s-maj=47.1km s-min=36.5km az=141.0.
IDC XI 17 10 18 28.4–.85 49.81S 30.41E 0 4.5L,4.0
¶12073841

IDC Error ellipse: s-maj=35.4km s-min=18.8km az=70.0.

(431) Prince Edward Islands region.

ISC VII 13 04 43 59.3–.47 43.31S–.09 39.6E–.10 10 4.0b,3.9s 22 18-153
ISCJB VII 13 04 43 57.6–.47 43.32S–.09 39.5E–.10 10 4.0b,3.9s **¶11811439**
IDC VII 13 04 43 57.8–.62 43.26S 39.58E 0 4.2,4.1b
NEIC VII 13 04 43 59.2–.41 43.31S 39.60E 10 4.3b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=9.9km az=143.2.
IDC Error ellipse: s-maj=22.3km s-min=16.1km az=61.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=10.2km az=53.0.
IDC VIII 28 22 27 11.8–1.1 43.32S 41.38E 0 4.0,3.9L
¶12581521

IDC Error ellipse: s-maj=62.5km s-min=22.9km az=45.0.
ISC VIII 31 00 15 59.0–.44 47.61S–.07 32.3E–.20 10 4.3b,3.8s 30 18-153
IDC VIII 31 00 15 57.0–.55 47.70S 32.19E 0 4.5,4.5L **¶11909142**
ISCJB VIII 31 00 15 57.4–.44 47.63S–.07 32.2E–.20 10 4.3b,3.8s
NEIC VIII 31 00 15 58.8–.36 47.64S 32.25E 10 4.5b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=13.7km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=9.2km az=160.1.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.1km az=70.0.
ISC IX 13 03 29 14.6–.70 44.3S–.20 39.1E–.30 10 4.0b,4.0s 12 19-162
ISCJB IX 13 03 29 13.0–.70 44.3S–.20 39.1E–.30 10 4.0b,4.0s **¶11910156**
IDC IX 13 03 29 13.1–.76 44.23S 39.19E 0 4.2,4.1
NEIC IX 13 03 29 14.7–.38 44.25S 39.18E 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.1km s-min=13.2km az=143.6.
IDC Error ellipse: s-maj=35.9km s-min=19.8km az=41.0.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=10.4km az=45.0.
IDC X 04 15 46 49.1–1.0 47.25S 33.14E 0 4.2,4.0s
¶12065910

IDC Error ellipse: s-maj=50.1km s-min=29.5km az=31.0.
ISC XI 19 13 20 03.9–.56 46.8S–.10 33.4E–.20 10 4.0b,3.4s 23 17-154
ISCJB XI 19 13 20 02.2–.56 46.9S–.10 33.3E–.30 10 4.0b,3.4s **¶12074143**
IDC XI 19 13 20 02.6–.72 46.83S 33.74E 0 4.2,4.2L
NEIC XI 19 13 20 03.9–.59 46.85S 33.36E 10 4.2b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.8km s-min=10.5km az=154.7.
IDC Error ellipse: s-maj=32.8km s-min=16.5km az=67.0.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=11.7km az=65.0.
ISC XII 13 20 53 12.4–.76 43.7S–.20 39.1E–.30 10 3.9b,3.8s 19 18-147
ISCJB XII 13 20 53 10.5–.76 43.7S–.20 39.1E–.30 10 3.9b,3.8s **¶12077334**
IDC XII 13 20 53 10.8–.85 43.73S 39.16E 0 4.6L,4.1
NEIC XII 13 20 53 12.2–.59 43.73S 39.08E 10 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.2km s-min=13.1km az=138.3.
IDC Error ellipse: s-maj=47.2km s-min=18.5km az=44.0.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=11.2km az=49.0.

(435) Southeast Indian Ridge.

IDC VII 08 09 11 30.6–1.6 49.74S 110.77E 0 4.8s,4.8
¶12698083

IDC Error ellipse: s-maj=89.7km s-min=21.5km az=121.0.
IDC VII 08 10 59 11.2–2.9 50.10S 112.27E 0 4.2,4.0b
¶12698084

IDC Error ellipse: s-maj=147.2km s-min=23.5km az=107.0.
IDC VII 09 02 08 37.5–5.4 49.91S 111.92E 0 4.1,3.8
¶12698091

IDC Error ellipse: s-maj=269.5km s-min=47.8km az=112.0.
IDC VII 09 17 36 18.1–4.7 49.39S 107.86E 0 4.1,3.8
¶12698101

IDC Error ellipse: s-maj=220.7km s-min=49.2km az=117.0.
IDC VIII 20 00 13 35.8–12 48.52S 105.72E 0 4.2,3.9
¶12581220

IDC Error ellipse: s-maj=676.6km s-min=56.0km az=123.0.
IDC VIII 21 20 39 07.8–14 48.51S 107.66E 0 3.9,3.7b
¶12581275

IDC Error ellipse: s-maj=797.2km s-min=51.7km az=120.0.
ISC VIII 25 03 59 24.6–.70 41.7S–.10 88.7E–.20 10 4.3s,4.2b 9 24-166
ISCJB VIII 25 03 59 22.7–.70 41.7S–.10 88.6E–.20 10 4.3s,4.2b **¶11908732**
IDC VIII 25 03 59 23.4–.77 41.68S 88.67E 0 4.4,4.3s
NEIC VIII 25 03 59 24.2–.59 41.65S 88.58E 10 4.3b,4.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=17.2km az=32.2.
IDC Error ellipse: s-maj=27.2km s-min=21.3km az=140.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=14.4km az=128.0.
ISC IX 08 23 20 30.6–.63 50.58S–.08 112.5E–.20 10 4.4s,4.3b 15 16-150
ISCJB IX 08 23 20 28.6–.64 50.56S–.08 112.5E–.20 10 4.4s,4.3b **¶11909852**
IDC IX 08 23 20 30.9–1.3 50.25S 112.34E 0 4.3s,4.3
NEIC IX 08 23 20 30.3–.56 50.57S 112.45E 10 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=11.2km az=13.3.
IDC Error ellipse: s-maj=60.8km s-min=24.7km az=102.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=9.7km az=103.0.
IDC IX 23 23 57 32.9–4.6 49.55S 110.27E 0 4.3,4.1b
¶11910905

IDC Error ellipse: s-maj=221.4km s-min=49.9km az=115.0.
IDC IX 25 02 25 39.1–8.8 49.00S 107.52E 0 3.6,3.5b
¶11910984

IDC Error ellipse: s-maj=402.0km s-min=33.0km az=115.0.
ISC IX 29 23 23 28.6–.98 49.9S–.10 111.3E–.40 10 4.1b,3.6s 7 17-147
ISCJB IX 29 23 23 26.6–.98 49.8S–.10 111.2E–.40 10 4.1b,3.6s **¶11911413**
IDC IX 29 23 23 26.9–1.1 49.87S 111.25E 0 4.2,4.0
NEIC IX 29 23 23 28.4–.90 49.87S 111.26E 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.5km s-min=17.5km az=22.1.
IDC Error ellipse: s-maj=39.2km s-min=20.5km az=110.0.
NEIC Event type se. Error ellipse: s-maj=33.8km s-min=17.1km az=111.0.
IDC IX 29 23 34 47.9–2.1 49.84S 111.38E 0 3.8,3.7
¶11911415

IDC Error ellipse: s-maj=111.8km s-min=21.5km az=116.0.
ISC X 25 22 35 08.0–.37 45.33S–.08 97.0E–.10 10 4.6b,4.2s 50 20-161
ISCJB X 25 22 35 06.1–.37 45.34S–.08 97.0E–.10 10 4.6b,4.2s **¶12071109**
IDC X 25 22 35 06.4–.49 45.24S 97.08E 0 4.5,4.5
NEIC X 25 22 35 07.9–.23 45.22S 97.05E 10 5.1b,4.5
GCMT X 25 22 35 10.0–.20 45.23S 97.09E 13–1 5.1W,4.5
DJA X 25 22 35 14 45.31S 97.23E 52 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=8.7km az=141.4.
IDC Error ellipse: s-maj=21.1km s-min=13.8km az=146.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.8km az=149.0.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s33,c40; s65,c107; Moment tensor: Scale 10^{16}Nm; M_{rr}-4.63±.26 $M_{\theta\theta}$4.76±.18; $M_{\phi\phi}$-0.13±.15; $M_{r\theta}$1.38±.38; $M_{\theta\phi}$-0.63±.12; $M_{\phi r}$-0.77±.51; Best double couple: NP1:ϕ_s90.00000°,δ37.00000°,λ-101.00000°. NP2:ϕ_s284.00000°,δ54.00000°,λ-82.00000°. Principal axes: T 5.0600,Plg9.0000° ,Azm8.0000°; N -0.1400,Plg7.0000°,Azm99.0000°; P -4.9300,Plg79.0000°,Azm227.0000° M_o5.00000×10^{16}
IDC XI 02 22 48 20.9–2.7 45.29S 97.45E 0 4.3,4.0b
¶12072044

IDC Error ellipse: s-maj=69.2km s-min=48.6km az=17.0.
ISC XI 09 00 09 13.3–.72 45.3S–.10 87.9E–.20 10 4.0b,3.8s 22 26-162
ISCJB XI 09 00 09 11.5–.72 45.3S–.10 87.8E–.20 10 4.0b,3.8s **¶12072889**
IDC XI 09 00 09 11.9–.80 45.30S 87.95E 0 4.2,4.1
NEIC XI 09 00 09 13.2–.62 45.23S 87.85E 10 3.9b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=12.4km az=40.9.
IDC Error ellipse: s-maj=28.8km s-min=16.5km az=125.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=12.9km az=127.0.
ISC XI 20 04 51 54.4–.83 42.3S–.10 84.6E–.20 10 4.0b,3.6s 15 28-147
ISCJB XI 20 04 51 52.6–.83 42.3S–.10 84.6E–.20 10 4.0b,3.6s **¶12074228**
IDC XI 20 04 51 52.4–1.0 42.32S 84.59E 0 4.1,3.9
NEIC XI 20 04 51 54.0–.74 42.29S 84.55E 10 4.6b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.7km s-min=19.7km az=21.9.
IDC Error ellipse: s-maj=33.2km s-min=24.7km az=100.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=19.5km az=106.0.
ISC XI 26 13 18 24.3–.89 49.3S–.10 106.4E–.40 10 4.0b,3.7s 13 32-150
ISCJB XI 26 13 18 22.3–.89 49.3S–.10 106.3E–.40 10 4.0b,3.7s **¶12074898**
IDC XI 26 13 18 22.9–1.1 49.28S 106.35E 0 4.1,3.9
NEIC XI 26 13 18 24.4–.69 49.28S 106.36E 10 4.4b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.5km s-min=14.9km az=22.2.
IDC Error ellipse: s-maj=50.0km s-min=20.6km az=114.0.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=12.1km az=109.0.
ISC XI 27 09 17 48.1–.23 41.64S–.04 85.04E–.06 10 5.2b,4.8s 173 27-169
BJI XI 27 09 17 41.8 42.20S 84.35E 10 5.3s,5.3b **¶11479753**
MOS XI 27 09 17 46.2–.87 41.63S 85.13E 10 5.4b,4.9s
IDC XI 27 09 17 46.1–.50 41.63S 85.13E 0 4.9,4.8
ISCJB XI 27 09 17 46.2–.23 41.65S–.04 85.06E–.06 10 5.2b,4.8s
DJA XI 27 09 17 48 41.67S 85.16E 10 5.0b,4.8s
NEIC XI 27 09 17 48.1–.21 41.61S 85.10E 10 5.2b,4.8s
GCMT XI 27 09 17 52.1–.20 41.47S 85.06E 12 5.3W,4.8s
ISC Event type se.
MOS Error ellipse: s-maj=14.6km s-min=11.1km az=82.3.
IDC Error ellipse: s-maj=18.2km s-min=13.9km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=6.3km az=26.9.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.2km az=170.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c97; s98,c165; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.02 $M_{\theta\theta}$1.08±.02; $M_{\phi\phi}$-1.06±.02; $M_{r\theta}$0.07±.05; $M_{\theta\phi}$0.08±.02; $M_{\phi r}$0.02±.05; Best double couple: NP1:ϕ_s133.00000°,δ87.00000°,λ2.00000°. NP2:ϕ_s43.00000°,δ88.00000°,λ177.00000°. Principal axes: T 1.0900,Plg4.0000° ,Azm358.0000°; N -0.0300,Plg86.0000°,Azm191.0000°; P -1.0600,Plg1.0000°,Azm88.0000° M_o1.10000×10^{17}
ISC XII 05 02 55 44.5–.67 41.7S–.20 84.9E–.20 10 4.2b,3.6s 23 27-95
ISCJB XII 05 02 55 42.9–.66 41.7S–.20 84.9E–.20 10 4.2b,3.6s **¶12075823**
IDC XII 05 02 55 42.7–.88 41.54S 84.92E 0 4.0,4.0
NEIC XII 05 02 55 44.4–.67 41.65S 84.86E 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.9km s-min=16.4km az=9.6.
IDC Error ellipse: s-maj=33.2km s-min=23.0km az=0.0.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=17.0km az=189.0.
IDC XII 06 20 35 56.0–2.3 49.27S 105.96E 0 3.7,3.5
¶12076066

IDC Error ellipse: s-maj=58.0km s-min=51.6km az=52.0.
ISC XII 08 18 39 09.6–.14 53.02S–.03 106.80E–.05 10 5.9b,5.9s 474 13-176
BJI XII 08 18 39 02.2 53.92S 106.59E 10 6.6b,5.9s **¶13402268**
BGS XII 08 18 39 03.2–5.3 53.00S 106.82E 10–0 6.2b,5.9s
ISCJB XII 08 18 39 07.8–.14 53.00S–.03 106.81E–.05 10 5.9b,5.9s
IDC XII 08 18 39 07.6–.28 52.98S 106.91E 0 5.9s,5.9
MOS XII 08 18 39 09.1–1.0 52.84S 107.00E 10 6.1b,5.8s
NEIC XII 08 18 39 09.5–.09 53.01S 106.82E 11 6.3W,6.2b
DJA XII 08 18 39 14 53.09S 107.17E 40 6.5W,6.2b
GCMT XII 08 18 39 15.8–.10 53.09S 106.76E 21–0 6.3W,6.2b
ISC Event type se.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.3km az=35.3.
IDC Error ellipse: s-maj=11.6km s-min=5.8km az=119.0.
MOS Error ellipse: s-maj=14.5km s-min=8.4km az=86.9.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.6km az=106.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 107 sta. Surface waves: sta=122, comp=290, per= 50. Moment Tensor Solution. s115,c259; s99,c194; Moment tensor: Scale 10^{18}Nm; M_{rr}-3.50±.02 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$3.38±.02; $M_{r\theta}$-0.65±.04; $M_{\theta\phi}$-0.77±.01; $M_{\phi r}$0.27±.03; Best double couple: NP1:ϕ_s356.00000°,δ42.00000°,λ-77.00000°. NP2:ϕ_s158.00000°,δ49.00000°,λ-102.00000°. Principal axes: T 3.5800,Plg3.0000° ,Azm257.0000°; N 0.0400,Plg9.0000°,Azm166.0000°; P -3.6200,Plg80.0000°,Azm7.0000° M_o3.60000×10^{18}
IDC XII 12 19 39 24.1–1.8 49.53S 106.79E 0 3.9,3.8
¶12077172

IDC Error ellipse: s-maj=45.3km s-min=42.2km az=163.0.
IDC XII 13 18 02 26.1–1.4 41.69S 88.55E 0 3.9,3.7
¶12077323

IDC Error ellipse: s-maj=40.7km s-min=31.9km az=105.0.

ISC XII 14 16 25 25.1–.67 42.0S–.10 84.7E–.20 10 4.3b,4.3s 25 27-169
ISCJB XII 14 16 25 23.2–.68 42.0S–.10 84.7E–.20 10 4.3b,4.3s **¶11653471**
IDC XII 14 16 25 23.8–.92 42.12S 84.72E 0 4.2s,4.2
NEIC XII 14 16 25 24.9–.59 42.04S 84.61E 10 4.8b,4.2
GCMT XII 14 16 25 28.2–.20 41.84S 84.60E 14–1 5.1W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=16.8km az=6.2.
IDC Error ellipse: s-maj=28.9km s-min=22.3km az=115.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=15.6km az=81.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s46,c64; s83,c140; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87±.14 $M_{\theta\theta}$5.76±.18; $M_{\phi\phi}$-4.89±.15; $M_{r\theta}$0.62±.30; $M_{\theta\phi}$0.23±.12; $M_{\phi r}$0.09±.28; Best double couple: NP1:ϕ_s134.00000°,δ86.00000°,λ3.00000°. NP2:ϕ_s44.00000°,δ87.00000°,λ175.00000°. Principal axes: T 5.8200,Plg5.0000° ,Azm359.0000°; N -0.9300,Plg85.0000°,Azm191.0000°; P -4.9000,Plg1.0000°,Azm89.0000° M_o5.40000×10^{16}
IDC XII 16 14 42 42.7–3.9 46.85S 101.69E 0 3.7,3.6
¶12077768
IDC Error ellipse: s-maj=98.3km s-min=44.9km az=17.0.

(437) South of Australia.

ISC X 16 13 17 13.7–.52 43.31S–.07 120.4E–.10 10 4.2b,3.8s 31 11-145
ISCJB X 16 13 17 11.9–.51 43.27S–.07 120.4E–.10 10 4.2b,3.8s **¶12068771**
IDC X 16 13 17 12.3–.69 43.33S 120.41E 0 4.5,4.4
NEIC X 16 13 17 13.4–.42 43.31S 120.43E 10 4.6b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=9.0km az=19.0.
IDC Error ellipse: s-maj=27.5km s-min=15.5km az=105.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=7.7km az=109.0.
IDC XII 15 00 50 18.5–12 41.29S 124.89E 0 4.1,4.0L
¶12077511
IDC Error ellipse: s-maj=181.6km s-min=38.5km az=15.0.

(740) Owen Fracture Zone region.

ISC VII 11 13 36 04.5–.97 14.3N–.10 56.4E–.10 10 3.8b,3.2s 39 13-127
ISCJB VII 11 13 36 02.8–.99 14.3N–.10 56.4E–.10 10 3.8b,3.2s **¶11811269**
IDC VII 11 13 36 02.7–1.1 14.27N 56.36E 0 4.0,3.9
CSEM VII 11 13 36 04.4 14.31N 56.39E 10 4.0b,3.9
NEIC VII 11 13 36 04.5–.79 14.31N 56.39E 10 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.7km s-min=13.8km az=23.2.
IDC Error ellipse: s-maj=28.7km s-min=18.4km az=28.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=12.8km az=200.0.
ISC VII 13 06 53 28.9–1.9 12.12N–.06 57.84E–.04 30–13 4.5b,3.6s 271 15-135
BJI VII 13 06 53 19.5 12.03N 57.17E 10 4.9b,4.7b **¶11121208**
IDC VII 13 06 53 23.8–.62 12.05N 57.97E 0 4.3,4.3L
NEIC VII 13 06 53 25.5–.39 12.08N 57.88E 10 4.6b,4.3L
ISCJB VII 13 06 53 26.1–2.0 12.12N–.07 57.81E–.04 25–14 4.5b,3.6s
MOS VII 13 06 53 27.3–1.3 12.12N 57.83E 33 4.7b,3.6s
CSEM VII 13 06 53 29.1–.22 12.11N 57.85E 33 4.6b,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=16.6km s-min=15.5km az=64.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.5km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=6.0km az=176.8.
MOS Error ellipse: s-maj=9.9km s-min=5.3km az=118.3.
CSEM Event type ke. Error ellipse: s-maj=9.8km s-min=8.3km az=6.0.
IDC VII 13 08 21 02.9–16 11.78N 57.24E 0 3.7,3.6b
¶12698185
IDC Error ellipse: s-maj=537.7km s-min=34.5km az=81.0.
IDC VIII 18 20 37 43.1–1.4 13.63N 57.20E 0 3.8,3.7
¶12581181
IDC Error ellipse: s-maj=35.2km s-min=28.0km az=12.0.
IDC X 07 03 39 28.6–.93 16.80N 59.89E 0 4.2L,4.2
¶12066246
IDC Error ellipse: s-maj=31.2km s-min=18.3km az=18.0.
IDC X 07 03 39 41.5–1.0 16.72N 59.90E 0 4.4,4.4
¶12066247
IDC Error ellipse: s-maj=30.8km s-min=17.9km az=9.0.
IDC X 20 17 25 55.7–4.0 14.25N 55.93E 0 3.9,3.6
¶12069145
IDC Error ellipse: s-maj=105.3km s-min=50.2km az=83.0.
ISC XI 19 22 24 45.4–.59 21.72N–.08 62.19E–.05 10 3.8b 29 3-83
ISCJB XI 19 22 24 43.4–.59 21.70N–.08 62.18E–.05 10 3.8b **¶12074198**
IDC XI 19 22 24 43.2–.87 21.55N 62.25E 0 3.9,3.8
OMAN XI 19 22 24 51.1–.29 21.67N 61.62E 0–14 3.9,3.8
ISCJB Error ellipse: s-maj=11.6km s-min=6.0km az=9.4.
IDC Error ellipse: s-maj=26.6km s-min=19.5km az=144.0.
OMAN Error ellipse: s-maj=37.8km s-min=4.7km az=264.0.
ISC XI 20 18 17 19.7–2.2 14.63N–.05 55.71E–.04 25–15 4.7b,4.0s 393 4-132
ISCJB XI 20 18 17 14.0–2.9 14.65N–.05 55.70E–.04 0–17 4.7b,4.0s **¶11473123**
GCMT XI 20 18 17 15.9–.40 14.52N 55.66E 13–1 4.9W,4.0s
IDC XI 20 18 17 15.5–.43 14.62N 55.72E 0 4.4,4.3
BJI XI 20 18 17 16.1 14.45N 55.85E 10 4.7s,4.7
NEIC XI 20 18 17 17.2–.28 14.61N 55.74E 10 4.8b,4.7
MOS XI 20 18 17 20.3–1.2 14.63N 55.78E 43 5.0b,4.7
CSEM XI 20 18 17 21.6–.15 14.64N 55.71E 40 4.9b,4.9W
OMAN XI 20 18 17 23.2–99 14.90N 55.68E 49–10 4.9b,4.9W
DJA XI 20 18 17 33 14.53N 55.76E 146 4.5b,4.9W
TEH XI 20 18 17 54.5 14.47N 55.50E 400 4.5b,4.9W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.3km az=171.2.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s19,c21; s58,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.87±.17 $M_{\theta\theta}$1.53±.12; $M_{\phi\phi}$0.34±.12; $M_{r\theta}$-0.32±.29; $M_{\theta\phi}$-0.26±.07; $M_{\phi r}$-2.06±.44; Best double couple: NP1:ϕ_s100.00000°,δ34.00000° ,λ-137.00000°. NP2:ϕ_s333.00000°,δ68.00000°,λ-64.00000°. Principal axes: T 1.6300,Plg19.0000°,Azm44.0000°; N 1.5100,Plg24.0000°,Azm142.0000° ; P -3.1400,Plg59.0000°,Azm280.0000° M_o2.40000×10^{16}
IDC Error ellipse: s-maj=12.3km s-min=12.0km az=68.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.1km az=136.0.
MOS Error ellipse: s-maj=9.4km s-min=5.5km az=95.9.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=5.3km az=148.0.
OMAN Error ellipse: s-maj=79.9km s-min=6.5km az=334.0.
ISC XI 30 13 13 15.8–.56 13.18N–.09 57.61E–.09 10 4.1b,3.6s 40 25-86
ISCJB XI 30 13 13 13.9–.60 13.19N–.10 57.56E–.09 10 4.1b,3.6s **¶12075336**
IDC XI 30 13 13 13.9–.96 13.16N 57.56E 0 4.1,4.0
NEIC XI 30 13 13 15.8–.57 13.17N 57.57E 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=12.4km az=170.8.
IDC Error ellipse: s-maj=25.7km s-min=17.6km az=25.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=12.3km az=149.0.
ISC XII 09 09 58 18.6–3.8 14.37N–.07 56.54E–.05 17–24 4.3b,3.8s 94 4-127
IDC XII 09 09 58 15.8–.66 14.33N 56.51E 0 4.1,4.0 **¶12076522**
ISCJB XII 09 09 58 16.2–3.6 14.41N–.07 56.52E–.05 13–23 4.3b,3.8s
NEIC XII 09 09 58 17.6–.38 14.36N 56.53E 10 4.8b,3.8s
CSEM XII 09 09 58 21.0–.19 14.44N 56.48E 30 4.8b,3.8s
OMAN XII 09 09 58 22.4–99 14.72N 56.32E 13–21 4.8b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=15.5km az=161.0.
ISCJB Event type ke. Error ellipse: s-maj=11.9km s-min=7.7km az=164.2.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.5km az=136.0.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=6.4km az=134.0.
OMAN Error ellipse: s-maj=75.0km s-min=6.5km az=341.0.
ISC XII 22 17 48 44.9–.76 12.3N–.10 58.2E–.10 10 3.7b,3.5s 17 25-82
IDC XII 22 17 48 42.5–1.1 12.16N 58.04E 0 3.8,3.7 **¶12078581**
ISCJB XII 22 17 48 43.4–.77 12.3N–.10 58.1E–.10 10 3.7b,3.5s
NEIC XII 22 17 48 44.7–.78 12.26N 58.13E 10 4.0b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=26.3km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=23.7km s-min=16.8km az=144.2.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=17.8km az=146.0.

(741) Indian Ocean Triple Junction.

ISC VII 05 07 15 00.5–.57 26.9S–.10 67.2E–.20 10 4.1b 21 38-144
ISCJB VII 05 07 14 58.6–.57 26.9S–.10 67.3E–.20 10 4.1b **¶11810680**
IDC VII 05 07 14 58.7–.65 26.84S 67.21E 0 4.2,4.1b
NEIC VII 05 07 15 00.1–.43 26.87S 67.19E 10 4.1b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=15.6km az=175.2.
IDC Error ellipse: s-maj=23.0km s-min=18.0km az=84.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=12.3km az=82.0.
ISC VII 14 19 58 29.7–.75 26.2S–.10 70.8E–.20 10 4.2b,3.5s 23 40-83
ISCJB VII 14 19 58 27.7–.75 26.2S–.10 70.8E–.20 10 4.2b,3.5s **¶11811588**
IDC VII 14 19 58 27.8–.88 26.14S 70.81E 0 4.2,4.1
NEIC VII 14 19 58 29.4–.60 26.14S 70.84E 10 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=18.0km az=155.8.
IDC Error ellipse: s-maj=29.2km s-min=21.7km az=60.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=14.6km az=65.0.
IDC VII 15 14 39 00.1–1.2 26.65S 69.93E 0 3.9,3.7
¶12698232
IDC Error ellipse: s-maj=44.1km s-min=26.8km az=172.0.
IDC VII 22 08 11 32.0–.66 26.80S 67.44E 0 4.1s,4.1
¶12698379
IDC Error ellipse: s-maj=21.0km s-min=17.7km az=140.0.
ISC VIII 08 14 49 53.5–.46 25.32S–.10 69.97E–.09 10 4.2b 31 22-146
ISCJB VIII 08 14 49 51.5–.46 25.34S–.10 70.00E–.09 10 4.2b **¶11907968**
IDC VIII 08 14 49 51.6–.68 25.35S 69.95E 0 4.2,4.1b
NEIC VIII 08 14 49 53.1–.38 25.36S 69.95E 10 4.9b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=11.9km az=11.4.
IDC Error ellipse: s-maj=20.9km s-min=17.5km az=14.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.9km az=195.0.
ISC VIII 23 10 29 59.3–.40 26.02S–.09 68.77E–.08 10 4.2b,3.8s 39 21-173
ISCJB VIII 23 10 29 57.4–.40 26.03S–.09 68.82E–.08 10 4.2b,3.8s **¶11908640**
IDC VIII 23 10 29 57.4–.53 25.98S 68.70E 0 4.3,4.3
NEIC VIII 23 10 29 58.9–.30 25.99S 68.71E 10 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=10.3km az=8.9.
IDC Error ellipse: s-maj=17.2km s-min=16.7km az=75.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.6km az=188.0.
ISC X 15 02 25 30.3–.53 26.05S–.10 70.7E–.10 10 4.1b,3.9s 24 35-89
ISCJB X 15 02 25 28.4–.53 26.05S–.10 70.8E–.10 10 4.1b,3.9s **¶12068654**
IDC X 15 02 25 28.3–.79 26.04S 70.67E 0 4.3,4.2
NEIC X 15 02 25 30.1–.38 26.05S 70.72E 10 4.2b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=14.2km az=166.0.
IDC Error ellipse: s-maj=27.1km s-min=20.7km az=87.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.4km az=76.0.
IDC XI 02 08 55 13.8–1.2 27.91S 65.04E 0 4.1,4.0b
¶12071972
IDC Error ellipse: s-maj=44.0km s-min=24.8km az=77.0.
IDC XI 07 13 48 50.9–1.8 25.86S 69.59E 0 3.8b,3.8
¶12072686
IDC Error ellipse: s-maj=65.0km s-min=35.5km az=29.0.
IDC XI 11 17 03 19.6–1.5 26.42S 70.27E 0 3.8s,3.8
¶12073194
IDC Error ellipse: s-maj=59.0km s-min=26.8km az=22.0.
ISC XI 24 19 12 21.9–.71 27.4S–.10 66.4E–.20 10 4.0b 24 40-145
ISCJB XI 24 19 12 20.0–.71 27.4S–.10 66.4E–.20 10 4.0b **¶12074710**
IDC XI 24 19 12 20.1–.84 27.43S 66.36E 0 4.1,4.0b
NEIC XI 24 19 12 21.6–.50 27.42S 66.36E 10 4.5b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.4km s-min=16.2km az=171.0.
IDC Error ellipse: s-maj=33.2km s-min=19.9km az=84.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=12.1km az=80.0.

(742) Western Indian-Antarctic Ridge.

IDC VII 27 02 31 18.5–3.5 50.15S 128.23E 0 4.2,4.0
¶12698449
IDC Error ellipse: s-maj=119.1km s-min=39.0km az=132.0.
ISC VIII 02 05 37 37.9–.55 48.95S–.07 121.5E–.20 10 4.5b,3.9s 19 16-151
ISCJB VIII 02 05 37 36.1–.55 48.95S–.07 121.5E–.20 10 4.5b,3.9s **¶11907692**
IDC VIII 02 05 37 36.2–.85 48.89S 121.42E 0 4.6,4.5
NEIC VIII 02 05 37 37.4–.39 48.93S 121.46E 10 4.6b,4.5
GCMT VIII 02 05 37 38.3–.30 48.95S 121.52E 12–1 4.8W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=9.6km az=11.0.
IDC Error ellipse: s-maj=39.6km s-min=18.0km az=107.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=9.2km az=101.0.
GCMT Event type se. Data Used: IC II IU G CN. Moment Tensor Solution. s19,c25; s62,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.22±.16 $M_{\theta\theta}$2.04±.12; $M_{\phi\phi}$0.18±.11; $M_{r\theta}$-0.30±.27; $M_{\theta\phi}$-0.45±.08; $M_{\phi r}$0.18±.35; Best double couple: NP1:ϕ_s280.00000°,δ41.00000°,λ-94.00000°. NP2:ϕ_s106.00000°,δ49.00000°,λ-87.00000°. Principal axes: T 2.1700,Plg4.0000° ,Azm193.0000°; N 0.0800,Plg3.0000°,Azm283.0000°; P -2.2500,Plg85.0000°,Azm45.0000° M_o2.20000×10^{16}
IDC VIII 13 17 02 18.4–1.9 49.29S 117.02E 0 4.3,4.2
¶12581060
IDC Error ellipse: s-maj=55.8km s-min=44.2km az=115.0.
IDC IX 01 12 00 54.7–2.7 50.03S 119.88E 0 4.3,4.1b
¶11909218
IDC Error ellipse: s-maj=64.5km s-min=48.2km az=178.0.
IDC X 05 08 11 54.0–4.5 51.42S 139.44E 0 3.9,3.8
¶12065979
IDC Error ellipse: s-maj=165.3km s-min=61.8km az=103.0.
ISC X 15 03 54 55.1–.68 48.7S–.10 126.2E–.40 10 4.0b,3.5s 15 17-149
ISCJB X 15 03 54 53.0–.68 48.7S–.10 126.3E–.40 10 4.0b,3.5s **¶12068657**
IDC X 15 03 54 54.1–.79 48.66S 126.17E 0 4.2,4.1
NEIC X 15 03 54 55.3–.49 48.66S 126.16E 10 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.6km s-min=11.3km az=19.6.
IDC Error ellipse: s-maj=48.6km s-min=17.1km az=107.0.
NEIC Event type se. Error ellipse: s-maj=32.6km s-min=10.6km az=111.0.
ISC X 18 07 24 00.2–.59 50.2S–.10 120.1E–.30 10 4.1s,4.1b 20 17-150
ISCJB X 18 07 23 58.1–.60 50.2S–.10 120.0E–.30 10 4.1s,4.1b **¶12068960**
IDC X 18 07 23 58.7–.77 50.21S 120.25E 0 4.1b,4.1
GCMT X 18 07 24 00.8–.30 50.13S 119.92E 13–1 4.9W,4.1
NEIC X 18 07 24 01.0–.41 50.18S 120.07E 10 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.3km s-min=11.5km az=19.3.
IDC Error ellipse: s-maj=43.3km s-min=16.7km az=110.0.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s25,c29; s66,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.33±.15 $M_{\theta\theta}$2.01±.11; $M_{\phi\phi}$0.32±.10; $M_{r\theta}$-0.10±.28; $M_{\theta\phi}$-0.81±.07; $M_{\phi r}$0.54±.29; Best double couple: NP1:ϕ_s281.00000°,δ42.00000°,λ-106.00000°. NP2:ϕ_s123.00000°,δ50.00000°,λ-76.00000°. Principal axes: T 2.3600,Plg4.0000° ,Azm203.0000°; N 0.0800,Plg11.0000°,Azm293.0000°; P -2.4400,Plg79.0000°,Azm94.0000° M_o2.40000×10^{16}
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=11.1km az=108.0.
IDC X 19 15 56 49.9–5.2 50.02S 119.84E 0 4.0,3.9
¶12069052
IDC Error ellipse: s-maj=104.1km s-min=48.4km az=176.0.
IDC XI 21 19 00 46.1–10 48.43S 127.73E 0 4.3,4.1b
¶12074428
IDC Error ellipse: s-maj=243.7km s-min=52.0km az=155.0.
ISC XI 24 21 17 16.4–.88 48.9S–.10 128.1E–.30 10 3.8b,3.6s 15 18-89
ISCJB XI 24 21 17 13.8–.79 48.94S–.09 128.0E–.30 10 3.8b,3.6s **¶12074727**
IDC XI 24 21 17 14.8–1.1 48.86S 128.05E 0 4.0,3.8
NEIC XI 24 21 17 14.4–.74 49.09S 128.04E 10 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.5km s-min=13.2km az=1.0.
IDC Error ellipse: s-maj=66.8km s-min=20.0km az=93.0.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=11.7km az=102.0.

IDC XI 27 01 23 58.4–.87 48.92S 123.38E 0 4.2,4.0
¶12074979
IDC Error ellipse: s-maj=49.7km s-min=18.6km az=107.0.
ISC XI 30 09 26 00.5–.79 49.79S–.10 125.4E–.30 10 4.3b,3.6s 13 18-72
ISCJB XI 30 09 25 58.5–.79 49.80S–.10 125.5E–.30 10 4.3b,3.6s **¶12075320**
IDC XI 30 09 25 58.5–.99 49.78S 125.66E 0 4.3,4.2
ISCJB Error ellipse: s-maj=25.3km s-min=13.2km az=15.0.
IDC Error ellipse: s-maj=46.6km s-min=18.3km az=100.0.
IDC XII 07 13 19 09.3–22 47.29S 130.43E 0 3.9,3.7b
¶12076197
IDC Error ellipse: s-maj=368.4km s-min=129.7km az=166.0.
ISC XII 13 08 45 35.2–1.9 49.09S–.03 123.43E–.05 0–11 5.8b,5.8s 335 17-171
BJI XII 13 08 45 34.4 49.00S 123.40E 5 6.1b,5.8s **¶13402622**
IDC XII 13 08 45 34.6–.45 49.00S 123.48E 0 5.7s,5.7
ISCJB XII 13 08 45 35.1–.16 49.08S–.03 123.43E–.05 10 5.8s,5.7b
MOS XII 13 08 45 35.8–1.1 48.84S 123.40E 11 6.0b,5.7s
NEIC XII 13 08 45 36.3–.13 48.98S 123.40E 10 6.0b,5.9W
GCMT XII 13 08 45 37.1–.10 49.12S 123.86E 12 5.9W,5.9W
DJA XII 13 08 45 38 49.11S 123.71E 10 6.2W,5.9W
ISC Event type se.
IDC Error ellipse: s-maj=18.7km s-min=12.4km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=4.0km az=22.8.
MOS Error ellipse: s-maj=13.9km s-min=7.7km az=79.9.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.6km az=86.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=253, per= 50. Moment Tensor Solution. s95,c171; s88,c122; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.96±.01 $M_{\theta\theta}$1.01±.01; $M_{\phi\phi}$-0.05±.01; $M_{r\theta}$-0.14±.02; $M_{\theta\phi}$-0.12±.01; $M_{\phi r}$0.03±.02; Best double couple: NP1:ϕ_s275.00000°,δ41.00000°,λ-92.00000°. NP2:ϕ_s98.00000°,δ49.00000°,λ-89.00000°. Principal axes: T 1.0400,Plg4.0000°,Azm187.0000°; N -0.0700,Plg1.0000°,Azm277.0000° ; P -0.9700,Plg86.0000°,Azm22.0000° $M_0$1.00000×10^{18}
ISC XII 13 08 53 55.2–.54 49.04S–.07 123.5E–.20 10 4.2b 25 17-150
ISCJB XII 13 08 53 53.3–.54 49.04S–.07 123.5E–.20 10 4.2b **¶12077270**
IDC XII 13 08 53 53.7–.66 49.00S 123.53E 0 4.4b,4.4
NEIC XII 13 08 53 55.2–.38 49.04S 123.49E 10 4.5b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=9.5km az=15.7.
IDC Error ellipse: s-maj=28.0km s-min=14.9km az=113.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=8.0km az=106.0.
ISC XII 13 08 59 41.9–.23 49.06S–.04 123.47E–.08 10 5.3b,5.3s 170 17-156
IDC XII 13 08 59 39.6–.53 49.03S 123.49E 0 5.1s,5.1 **¶12077273**
BJI XII 13 08 59 39.5 49.00S 123.50E 5 5.7s,5.7b
ISCJB XII 13 08 59 40.2–.23 49.05S–.04 123.49E–.08 10 5.3b,5.3s
MOS XII 13 08 59 40.5–1.4 48.98S 123.51E 10 5.5b,5.3s
GCMT XII 13 08 59 40.0–.20 49.19S 123.76E 12 5.4W,5.3s
NEIC XII 13 08 59 41.5–.17 49.01S 123.51E 10 5.5b,5.3s
DJA XII 13 08 59 47 49.10S 123.74E 48 5.3b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=13.0km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.3km az=10.9.
MOS Error ellipse: s-maj=20.8km s-min=8.7km az=82.1.
GCMT Event type se. Data Used: IU II IC G. Moment Tensor Solution. s20,c20; s71,c127; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04±.04 $M_{\theta\theta}$1.11±.03; $M_{\phi\phi}$-0.06±.04; $M_{r\theta}$-0.83±.11; $M_{\theta\phi}$0.37±.02; $M_{\phi r}$0.39±.12; Best double couple: NP1:ϕ_s232.00000°,δ34.00000°,λ-131.00000°. NP2:ϕ_s97.00000°,δ65.00000°,λ-67.00000°. Principal axes: T 1.4300,Plg17.0000° ,Azm170.0000°; N 0.0700,Plg21.0000°,Azm267.0000°; P -1.4900,Plg62.0000°,Azm45.0000° $M_0$1.50000×10^{17}
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.4km az=90.0.
ISC XII 25 16 50 14.3–.63 49.81S–.08 125.9E–.30 10 4.1b,3.8s 16 18-145
ISCJB XII 25 16 50 12.3–.63 49.81S–.08 125.9E–.30 10 4.1b,3.8s **¶12078947**
IDC XII 25 16 50 12.6–.96 49.81S 125.83E 0 4.0,4.0
NEIC XII 25 16 50 14.2–.49 49.81S 125.86E 10 4.8b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.8km s-min=11.1km az=178.3.
IDC Error ellipse: s-maj=48.3km s-min=19.4km az=100.0.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=9.1km az=89.0.

SEISMIC REGION 34.
Eastern North America.

(438) Saskatchewan.

IDC XI 21 00 32 20.7–261 52.84N 108.60W 0
¶12074347
IDC Error ellipse: s-maj=85.5km s-min=58.6km az=80.0.

(439) Manitoba.

ISC XII 02 10 22 13.8–.23 50.83N–.02 101.87W–.03 0 3.6b 342 2-24
ISCJB XII 02 10 22 10.6–.24 50.86N–.02 101.85W–.03 0 3.6b **¶12075491**
PGC XII 02 10 22 14.7–.01 50.84N 101.73W 1 3.9L,3.4
NEIC XII 02 10 22 14.7 50.84N 101.73W 1 3.6b,3.4
IDC XII 02 10 22 15.4–.72 50.79N 101.74W 0 4.0L,4.0
ISC Event type fi.
ISCJB Event type fi. Error ellipse: s-maj=2.9km s-min=2.3km az=159.7.
PGC Event type fi. 53km Nne of Esterhazy, Sk Manitoba Province, Canada Felt (III-IV) at Landenburg. Sk. Ressenti (III-IV) Landenburg. Sk. Induced.
NEIC Event type fe. Felt [IV] at Langenburg, Saskatchewan. After PGC.
IDC Error ellipse: s-maj=10.5km s-min=7.2km az=172.0.

(440) Hudson Bay.

OTT X 22 04 11 14.2–.30 60.89N 79.88W 18 2.6
¶11360964
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. 92km west from Akulivik, Qc Boothia Ungava Seismic Zone.
ISC XI 23 21 32 19.0–.34 62.96N–.03 85.16W–.07 10 3.3b 125 3-77
IDC XI 23 21 32 21.5–.79 63.30N 84.60W 0 3.7,3.6 **¶12074618**
OTT XI 23 21 32 22.2–.30 63.17N 84.79W 18 3.7,3.6
NEIC XI 23 21 32 22.3 63.17N 84.78W 18 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=16.0km s-min=9.3km az=2.0.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0. Southern Southampton Island, Nu 134km southwest from Coral Harbour, Nu Boothia Ungava Seismic Zone.
NEIC Event type se. After OTT.

(441) Ontario.

ISC IX 11 11 21 47.3–.20 46.55N–.01 81.02W–.02 0 3.7b 210 0-25
ISCJB IX 11 11 21 45.0–.22 46.56N–.02 81.07W–.02 0 3.7b **¶11343881**
IDC IX 11 11 21 48.6–.80 46.61N 80.95W 0 4.2,4.1
NEIC IX 11 11 21 49.2 46.48N 81.04W 1 3.8,3.6b
OTT IX 11 11 21 49.2–.13 46.48N 81.04W 1 3.8,3.6b
ISC Event type fr.
ISCJB Event type fr. Error ellipse: s-maj=2.3km s-min=2.0km az=135.9.
IDC Error ellipse: s-maj=12.2km s-min=9.8km az=64.0.
NEIC Event type fr. Possible rockburst at a mine near Sudbury. Felt in the Sudbury area. After OTT.
OTT Event type fr. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. Mining related event, Sudbury, Ontario Felt. Mining induced.

(444) Davis Strait.

OTT VIII 23 06 49 46.4–2.2 61.16N 59.84W 18 3.6L
¶11308709
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=15.0km az=-1.0. LAlbertaRADOR Sea Seismic Zone. 271km east from Resolution Island, Nu.
OTT IX 02 03 02 10.8–1.3 60.68N 58.41W 18 3.7L
¶11344753
OTT Event type ke. Error ellipse: s-maj=4.4km s-min=9.8km az=-1.0. LAlbertaRADOR Sea Seismic Zone. 354km east from Killiniq, Qc.
ISC X 15 08 36 34.5–.31 67.99N–.05 55.41W–.07 10 4.0b,3.4s 120 2-135
ISCJB X 15 08 36 32.6–.30 67.92N–.05 55.39W–.07 10 4.1b,3.4s **¶11349224**
IDC X 15 08 36 35.1–.62 67.87N 54.41W 0 4.1,4.0
OTT X 15 08 36 36.7–.76 67.98N 54.99W 18 4.2L,4.0
NEIC X 15 08 36 36.4–.39 67.93N 54.60W 10 4.3b,4.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.7km s-min=4.0km az=179.0.
IDC Error ellipse: s-maj=22.0km s-min=12.1km az=173.0.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0. West coast of Greenland. 385km east from Qikiqtarjuaq, Nu Eastern Arctic Background Seismic Zone.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.7km az=175.0.
ISC XII 26 16 38 50.0–.11 68.20N–.03 58.93W–.05 10 4.7b,4.1s 456 3-143
SZGRF XII 26 16 38 45.1 69.14N 60.41W 10 4.3b,4.1s **¶11519293**
BJI XII 26 16 38 46.7 68.10N 58.90W 10 5.3b,4.9s
IDC XII 26 16 38 47.9–.44 68.14N 58.98W 0 4.6,4.5
OTT XII 26 16 38 48.4–.36 68.12N 59.06W 18 5.1b,4.5
ISCJB XII 26 16 38 48.2–.11 68.21N–.03 58.95W–.05 10 4.7b,4.1s
NEIC XII 26 16 38 49.6–.15 68.18N 59.01W 10 4.9b,4.1s
ISC Event type ke.
SZGRF Baffin Bay.
IDC Error ellipse: s-maj=13.6km s-min=8.9km az=164.0.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=-1.0. Davis Strait. 221km east from Qikiqtarjuaq, Nu Eastern Arctic Background Seismic Zone.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=2.1km az=162.6.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.1km az=170.0.

(446) Labrador Sea.

OTT IX 06 20 28 20.0–1.4 59.17N 55.13W 18 5.7b,4.3L
NEIC IX 06 20 28 19.6 59.18N 54.99W 18 4.2L,4.0b **¶11344789**
OTT Event type ke. Error ellipse: s-maj=7.8km s-min=10.3km az=-1.0. LAlbertaRADOR Sea Seismic Zone. 446km northeast from Nutak, Nl.
NEIC Event type se. After OTT.
OTT XI 13 07 27 12.7–.90 57.12N 57.92W 18 3.9L
¶11451599
OTT Event type ke. Error ellipse: s-maj=4.4km s-min=7.8km az=-1.0. LAlbertaRADOR Sea Seismic Zone. 232km northeast from Aillik, Nl.

(447) Southern Quebec.

OTT XI 02 07 26 27.2–.09 47.43N 71.44W 18 3.6
NEIC XI 02 07 26 27.0 47.43N 71.44W 18 3.6 **¶11383186**
OTT Event type fe. Error ellipse: s-maj=2.2km s-min=0.8km az=-1.0. 59km northwest from Beaupre, Qc, Felt Eastern Background Seismic Zone.
NEIC Event type fe. Felt lightly in the epicentral area. After OTT.

(448) Gaspe Peninsula.

ISC XI 15 10 52 53.4–.34 47.73N–.02 69.74W–.03 12–2 3.5b,2.9s 107 0-149
IDC XI 15 10 52 51.8–1.0 47.76N 69.87W 0 3.9,3.7 **¶11453191**
BJI XI 15 10 52 51.4 47.70N 69.70W 10 5.3s,5.3b
ISCJB XI 15 10 52 53.3–.36 47.72N–.03 69.73W–.03 21–2 3.5b,2.9s
NEIC XI 15 10 52 53.4 47.74N 69.71W 20 4.2,4.2
OTT XI 15 10 52 54.4–.19 47.74N 69.74W 13–1 4.2,4.2
ISC Event type fe.
IDC Error ellipse: s-maj=21.3km s-min=8.5km az=134.0.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.1km az=144.7.
NEIC Event type fe. Widely felt in the St. Lawrence Valley region. Felt at Van Buren, Maine. After OTT. Moment Tensor Solution. $M_0$2.90000×10^{14}
OTT Event type fe. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 17km southwest from Riviere-du-Loup, Qc, Felt Charlevoix Seismic Zone, Qc.

(456) Montana.

ISC VIII 20 19 43 13.3–.15 46.207N–.01 111.33W–.01 10 191 0-27
NEIC VIII 20 19 43 12.0 46.20N 111.34W 10 3.6L **¶11207938**
IDC VIII 20 19 43 12.9–1.3 46.21N 111.09W 0 3.6,3.5L
ISCJB VIII 20 19 43 13.1–.15 46.207N–.01 111.36W–.01 10 3.6,3.5L
ISC Event type fe.
NEIC Event type fe. Felt in the Toston area. After BUT.
ISCJB Event type fe.
ISC XI 15 01 04 29.7–.20 48.14N–.01 113.94W–.02 10 146 0-7
ISCJB XI 15 01 04 29.5–.21 48.15N–.01 113.96W–.02 10 **¶12073586**
NEIC XI 15 01 04 30.0 48.18N 113.96W 13 3.5L
PGC XI 15 01 04 31.4–2.2 48.21N 114.05W 10 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.9km s-min=1.9km az=149.4.
NEIC Event type se. After BUT.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 188km southwest of Lethbridge, Alberta Montana.

(458) Hebgen Lake region, Montana.

ISC XII 02 04 24 40.7–.17 44.89N–.01 111.61W–.02 10 133 0-4
NEIC XII 02 04 24 39.0 44.88N 111.62W 6 2.6L **¶12075473**
ISCJB XII 02 04 24 40.5–.17 44.89N–.01 111.60W–.02 10 2.6L
ISC Event type se.
NEIC Event type se. After BUT.
ISCJB Event type se.

(459) Yellowstone region.

ISC IX 25 14 12 15.0–.19 44.24N–.01 110.78W–.02 10 110 0-5
NEIC IX 25 14 12 13.0 44.24N 110.79W 1 2.6L **¶11308766**
ISCJB IX 25 14 12 15.0–.20 44.24N–.01 110.78W–.02 10 2.6L
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se.
ISC IX 25 15 38 17.9–.19 44.23N–.01 110.78W–.02 10 106 0-5
ISCJB IX 25 15 38 17.8–.19 44.22N–.01 110.78W–.02 10 **¶12065558**
NEIC IX 25 15 38 17.0 44.24N 110.78W 0 2.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=1.8km s-min=1.6km az=9.2.
NEIC Event type se. After SLC.
ISC IX 25 18 07 02.4–.17 44.25N–.01 110.79W–.01 10 139 0-4
NEIC IX 25 18 07 01.0 44.23N 110.78W 2 2.9L **¶11308774**
ISCJB IX 25 18 07 02.5–.17 44.25N–.01 110.78W–.01 10 2.9L
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se.
ISC XII 27 20 17 33.7–.28 44.48N–.02 110.33W–.04 10 3.6s 70 0-75
ISCJB XII 27 20 17 32.4–.29 44.49N–.02 110.28W–.04 10 3.6s **¶11519541**
NEIC XII 27 20 17 32.0 44.49N 110.36W 4 3.5L,3.2L
IDC XII 27 20 17 34.9–1.1 44.49N 110.34W 0 3.7,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.1km az=176.2.
NEIC Event type fe. Felt in Yellowstone National Park. After SLC.
IDC Error ellipse: s-maj=24.2km s-min=14.6km az=129.0.
ISC XII 27 20 26 29.1–.32 44.48N–.02 110.37W–.05 10 54 0-29
NEIC XII 27 20 26 27.0 44.51N 110.36W 2 3.2L,3.1L **¶11519542**
ISCJB XII 27 20 26 28.0–.33 44.49N–.02 110.33W–.05 10 3.2L,3.1L
IDC XII 27 20 26 29.6–1.5 44.52N 110.30W 0 3.4,3.3
ISC Event type fe.
NEIC Event type fe. Felt in Yellowstone National Park. After SLC.
ISCJB Event type fe. Error ellipse: s-maj=4.9km s-min=3.5km az=167.3.
IDC Error ellipse: s-maj=36.9km s-min=17.0km az=137.0.
ISC XII 27 22 30 04.6–.27 44.52N–.02 110.37W–.03 10 75 0-29
ISCJB XII 27 22 30 03.8–.31 44.47N–.02 110.36W–.03 10 **¶12079221**
NEIC XII 27 22 30 03.0 44.50N 110.36W 4 3.3L
IDC XII 27 22 30 12.3–1.3 45.11N 110.14W 0 3.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=3.2km az=173.2.
NEIC Event type se. After SLC.
IDC Error ellipse: s-maj=30.5km s-min=12.2km az=148.0.
ISC XII 28 05 15 58.3–.24 44.53N–.02 110.37W–.03 10 3.8b,3.8s 88 0-96
IDC XII 28 05 15 55.2–.87 44.37N 110.39W 0 3.8s,3.7 **¶11521250**
ISCJB XII 28 05 15 56.7–.24 44.53N–.02 110.34W–.03 10 3.8b,3.8s
NEIC XII 28 05 15 56.0 44.50N 110.37W 0 4.6b,3.9L
ISC Event type fe.
IDC Error ellipse: s-maj=18.7km s-min=12.2km az=133.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.5km az=158.7.
NEIC Event type fe. Felt [II] in Yellowstone National Park. Also felt [II] at West Yellowstone, Montana. After SLC.

ISC XII 29 05 06 30.7–.29 44.51N–.01 110.36W–.02 2–2 99 0-4
NEIC XII 29 05 06 30.0 44.51N 110.36W 2 2.8L ¶12079353
ISCJB XII 29 05 06 31.0–.20 44.52N–.01 110.39W–.02 10 2.8L
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se.
ISC XII 29 19 14 50.4–.18 44.51N–.01 110.38W–.02 10 119 0-5
NEIC XII 29 19 14 49.0 44.52N 110.37W 2 3.1L ¶12079437
ISCJB XII 29 19 14 50.1–.18 44.51N–.01 110.39W–.02 10 3.1L
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se.
ISC XII 29 19 28 56.9–.35 44.50N–.02 110.36W–.03 10 35 0-2
NEIC XII 29 19 28 55.0 44.52N 110.38W 0 2.5L ¶13814107
ISCJB XII 29 19 28 57.0–.35 44.49N–.02 110.38W–.04 10 2.5L
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se.
ISC XII 29 19 29 41.1–.26 44.46N–.02 110.35W–.02 10 64 0-2
NEIC XII 29 19 29 38.0 44.51N 110.38W 0 2.9L ¶13837346
ISCJB XII 29 19 29 41.0–.26 44.45N–.02 110.36W–.02 10 2.9L
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se.
ISC XII 30 00 36 40.6–.23 44.47N–.01 110.39W–.02 10 83 0-6
NEIC XII 30 00 36 39.0 44.52N 110.36W 1 2.8L ¶12079470
ISCJB XII 30 00 36 40.5–.24 44.47N–.02 110.40W–.02 10 2.8L
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se.
ISC XII 31 05 17 42.7–.32 44.53N–.02 110.37W–.03 10 45 0-2
ISCJB XII 31 05 17 42.3–.32 44.53N–.02 110.38W–.03 10 ¶12079627
NEIC XII 31 05 17 43.0 44.53N 110.37W 1 2.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=3.0km az=11.5.
NEIC Event type se. After SLC.
ISC XII 31 08 59 22.1–.48 44.52N–.03 110.38W–.03 10 30 0-3
ISCJB XII 31 08 59 21.8–.49 44.53N–.03 110.39W–.03 10 ¶12079639
NEIC XII 31 08 59 21.0 44.52N 110.36W 0 2.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.2km az=8.5.
NEIC Event type se. After SLC.
ISC XII 31 09 02 30.8–.16 44.51N–.01 110.35W–.02 10 3.7b,3.4s 188 0-29
NEIC XII 31 09 02 28.0 44.53N 110.36W 4 4.0b,3.6L ¶11525173
ISCJB XII 31 09 02 30.0–.15 44.53N–.01 110.35W–.02 10 3.7b,3.4s
IDC XII 31 09 02 30.1–1.0 44.48N 110.23W 0 3.7b,3.7
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se. Error ellipse: s-maj=1.9km s-min=1.6km az=148.5.
IDC Error ellipse: s-maj=16.4km s-min=7.4km az=77.0.
ISC XII 31 09 06 00.7–.33 44.51N–.02 110.39W–.03 10 39 0-2
NEIC XII 31 09 05 59.0 44.52N 110.37W 0 2.6L ¶12079642
ISCJB XII 31 09 06 00.6–.33 44.52N–.02 110.40W–.03 10 2.6L
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se.
ISC XII 31 11 15 45.9–.23 44.50N–.02 110.36W–.02 10 71 0-3
NEIC XII 31 11 15 44.0 44.52N 110.37W 1 2.7L ¶12079651
ISCJB XII 31 11 15 45.8–.23 44.50N–.02 110.38W–.02 10 2.7L
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se.
ISC XII 31 15 02 12.5–.21 44.51N–.02 110.37W–.02 10 102 0-6
NEIC XII 31 15 02 11.0 44.52N 110.36W 5 3.3L ¶11525187
ISCJB XII 31 15 02 12.6–.21 44.52N–.02 110.37W–.02 10 3.3L
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se.

(460) Wyoming.

ISC XI 03 13 14 13.2–.17 42.781N–.01 105.19W–.02 10 246 0-93
ISCJB XI 03 13 14 11.9–.18 42.81N–.01 105.16W–.02 10 ¶11391119
IDC XI 03 13 14 12.6–1.1 43.14N 105.41W 0 3.6,3.4
NEIC XI 03 13 14 12.4–.55 42.83N 105.18W 5 3.7L,3.5W
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.4km az=173.7.
IDC Error ellipse: s-maj=17.4km s-min=9.1km az=161.0.
NEIC Event type fe. Error ellipse: s-maj=7.6km s-min=5.9km az=52.0. Felt [III] at Douglas. Also felt at Casper, Jay Em, Lusk and Shawnee. Moment Tensor Solution. $M_0 2.30000 \times 10^{14}$

(461) North Dakota.

OTT XI 15 16 21 27.4–.74 47.46N 100.04W 18 2.6
NEIC XI 15 16 21 27.4 47.46N 100.04W 18 2.6 ¶12073643
OTT Event type ke. Error ellipse: s-maj=4.4km s-min=6.0km az=-1.0. North Dakota, Us 194km south from Killarney, Mb.
NEIC Event type se. After OTT.

(471) Ohio.

ISC IX 18 01 04 16.1–.52 41.80N–.03 81.41W–.03 2–5 97 0-5
ISCJB IX 18 01 04 15.4–.50 41.81N–.03 81.40W–.03 3–4 ¶11279492
NEIC IX 18 01 04 16.7 41.78N 81.43W 5 2.9,2.8
OTT IX 18 01 04 17.1–.09 41.80N 81.42W 5 2.9,2.8
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.7km s-min=3.6km az=0.3.
NEIC Event type fe. Felt [II] at Mentor. Also felt at Eastlake and Willoughby. After OGSO.
OTT Event type ke. Lake Erie 77km southeast from Blenheim, On Eastern Background Seismic Zone.

(478) Utah.

ISC VIII 28 19 26 28.3–.16 37.515N–.01 112.31W–.01 10 150 0-11
NEIC VIII 28 19 26 27.0 37.54N 112.32W 0 3.3L ¶11813552
ISCJB VIII 28 19 26 28.4–.17 37.517N–.01 112.31W–.01 10 3.3L
IDC VIII 28 19 26 28.4–.93 37.66N 112.30W 0 3.4,3.3
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se. Error ellipse: s-maj=1.5km s-min=1.4km az=38.9.
IDC Error ellipse: s-maj=12.0km s-min=9.2km az=25.0.
ISC IX 02 12 00 09.3–.19 39.40N–.01 111.26W–.02 10 113 0-5
NEIC IX 02 12 00 08.0 39.43N 111.25W 2 2.6L ¶12065061
ISCJB IX 02 12 00 09.1–.19 39.40N–.01 111.27W–.02 10 2.6L
ISC Event type se.
NEIC Event type se. After SLC.
ISCJB Event type se.
ISC IX 07 02 12 12.1–.22 41.72N–.01 112.36W–.02 10 119 0-7
ISCJB IX 07 02 12 11.7–.23 41.72N–.01 112.35W–.02 10 ¶12065182
NEIC IX 07 02 12 12.0 41.71N 112.38W 11 3.1L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.7km az=5.4.
NEIC Event type fe. Felt [III] at Garland and [II] at Tremonton. Also felt at Fielding, Magna and Snowville. After SLC.
ISC IX 19 01 25 16.4–.22 37.43N–.01 113.12W–.02 10 94 0-6
ISCJB IX 19 01 25 16.7–.23 37.42N–.01 113.13W–.02 10 ¶12065442
NEIC IX 19 01 25 16.0 37.42N 113.13W 1 2.5L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.2km s-min=1.9km az=136.7.
NEIC Event type se. After SLC.
ISC XI 02 19 33 55.2–.25 40.87N–.01 111.59W–.02 5–3 102 0-5
ISCJB XI 02 19 33 54.6–.30 40.87N–.01 111.60W–.02 2–3 ¶11383221
NEIC XI 02 19 33 55.0 40.87N 111.59W 0 2.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.9km az=168.8.
NEIC Event type se. After SLC.

(479) Colorado.

NEIC X 04 12 41 20.9–.38 37.26N 104.75W 5 3.4L
¶11328049
NEIC Event type fe. Error ellipse: s-maj=6.7km s-min=4.6km az=77.0. Felt at Gulnare, La Veta and Trinidad.

(496) New Mexico.

ISC VIII 24 22 48 29.8–.20 36.93N–.01 104.89W–.02 10 152 0-37
IDC VIII 24 22 48 28.8–1.1 37.00N 104.84W 0 3.7,3.6L ¶11813467
ISCJB VIII 24 22 48 29.5–.21 36.93N–.01 104.88W–.02 10 3.7,3.6L
NEIC VIII 24 22 48 31.5–.42 37.10N 104.87W 5 3.4L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=10.8km az=73.0.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.9km az=170.5.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.5km az=54.0.
ISC IX 06 14 34 02.2–.24 36.90N–.01 104.87W–.02 10 97 0-6
ISCJB IX 06 14 34 02.2–.24 36.89N–.01 104.85W–.02 10 ¶11277443
NEIC IX 06 14 34 04.6–.56 37.01N 104.89W 5 2.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.8km az=171.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.5km az=79.0.

(497) Northwestern Texas-Oklahoma border region.

ISC X 14 03 07 28.2–.21 35.77N–.02 100.75W–.02 10 165 1-40
ISCJB X 14 03 07 25.8–.23 35.78N–.02 100.66W–.02 10 ¶11348165
IDC X 14 03 07 28.8–.96 35.73N 100.98W 0 3.7,3.5
NEIC X 14 03 07 28.0–.39 35.77N 100.71W 5 3.7W,3.5
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=2.3km az=40.0.
IDC Error ellipse: s-maj=13.3km s-min=10.9km az=93.0.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=5.2km az=173.0. Felt [IV] at Miami and [III] at Pampa. Also felt at Amarillo, Claude and Wheeler. Moment Tensor Solution. $M_0 4.80000 \times 10^{14}$

(511) South Carolina.

ISC XII 16 12 42 17.5–.41 33.12N–.03 80.13W–.04 6–3 3.4b 67 0-149
IDC XII 16 12 42 16.7–1.4 33.15N 80.08W 0 3.9L,3.7 ¶12077756
ISCJB XII 16 12 42 17.2–.42 33.08N–.03 80.11W–.04 15–4 3.4b,3.7
NEIC XII 16 12 42 17.5 33.07N 80.19W 16 3.6,3.7
ISC Event type fe.
IDC Error ellipse: s-maj=52.5km s-min=12.6km az=47.0.
ISCJB Event type fe. Error ellipse: s-maj=7.0km s-min=4.1km az=144.0.
NEIC Event type fe. Felt [III] at Ladson and Summerville; [II] at Charleston, Columbia, Goose Creek, Johns Island, Lexington, Moncks Corner, North Charleston and Ridgeville. Also felt at Adams Run, Aiken, Anderson, Beaufort, Charleston AFB, Darlington, Florence, Georgetown, Greenwood, Greer, Hollywood, Irmo, Liberty Hill, Mount Pleasant, North Augusta, Plum Branch, Sullivans Island, Wadmalaw Island, Walterboro and West Columbia. Felt at Byron, Duluth, Lawrenceville, Molena, Rincon, Savannah, Union Point and Woodbine, Georgia. Also felt at Charlotte, Gastonia, Ocean Isle Beach, Southport and Youngsville, North Carolina. After CERI.

(522) Northern Mexico.

ISC XI 11 20 11 46.5–.46 25.33N–.03 106.60W–.04 10 4.1b 89 2-124
IDC XI 11 20 11 41.5–1.3 25.08N 106.61W 0 4.1,4.0b ¶12073215
NEIC XI 11 20 11 42.8–1.1 25.11N 106.85W 10 4.2b,4.0b
MEX XI 11 20 11 42.6–.54 23.82N 108.47W 8–11 4.7,4.0b
ISCJB XI 11 20 11 43.7–.47 25.31N–.03 106.55W–.05 10 4.1b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

(523) Central Mexico.

MEX VII 04 21 23 00.8–1.8 21.74N 104.97W 59–39 4.4
NEIC VII 04 21 23 00.8 21.74N 104.97W 59 4.4 ¶12951013
MEX Error ellipse: s-maj=22.3km s-min=24.3km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 09 02 59 33.1–1.2 19.35N 98.38W 4–6 3.5
NEIC VIII 09 02 59 33.5 19.37N 98.37W 5 3.4 ¶12099809
MEX Error ellipse: s-maj=3.8km s-min=6.7km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 12 23 29 01.4–.71 19.31N 98.38W 4–3 3.8
NEIC VIII 12 23 29 01.4 19.32N 98.35W 3 3.8 ¶12099893
MEX Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
NEIC Event type se. After MEX.
MEX VIII 28 05 24 27.9–1.3 19.18N 98.46W 1–13 3.7
¶13828095
MEX Error ellipse: s-maj=9.8km s-min=10.5km az=-1.0.
ISC X 05 13 29 24.5–.41 24.79N–.03 107.31W–.04 10 85 2-47
ISCJB X 05 13 29 22.1–.40 24.79N–.03 107.39W–.03 10 ¶12066009
IDC X 05 13 29 23.3–4.8 25.00N 106.85W 0 3.8,3.6
MEX X 05 13 29 25.1–.73 24.88N 107.43W 5–11 4.7,3.6
NEIC X 05 13 29 26.1 24.88N 107.39W 10 3.8b,3.6
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.3km s-min=3.8km az=7.2.
IDC Error ellipse: s-maj=72.5km s-min=23.1km az=143.0.
MEX Error ellipse: s-maj=3.1km s-min=7.3km az=-1.0.
NEIC Event type fe. Felt at Culiacan. After MEX.
MEX XI 24 06 05 03.0–.74 18.08N 97.35W 71–7 3.7
¶14011868
MEX Error ellipse: s-maj=4.1km s-min=4.0km az=-1.0.
MEX XII 31 22 27 45.2–.46 20.23N 99.12W 5–0 3.5
NEIC XII 31 22 27 43.9 20.30N 99.20W 5 3.6 ¶13837386
MEX Error ellipse: s-maj=4.7km s-min=5.1km az=-1.0.
NEIC Event type se. After MEX.

(524) Jalisco.

ISC VIII 24 00 08 28.9–.91 19.31N–.06 103.48W–.06 104–8 2.9b 37 0-54
ISCJB VIII 24 00 08 27.7–.81 19.32N–.06 103.47W–.06 110–7 2.9b ¶11908664
NEIC VIII 24 00 08 30.3 19.32N 103.47W 101 4.5b,4.2
MEX VIII 24 00 08 30.5–.51 19.31N 103.46W 100–5 4.2,4.2
IDC VIII 24 00 08 32.0–3.5 19.89N 102.75W 0 4.0L,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.2km az=42.8.
NEIC Event type se. After MEX.
MEX Error ellipse: s-maj=3.2km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=89.1km s-min=25.6km az=38.0.
MEX X 09 12 10 16.8–1.0 20.09N 103.40W 31–14 3.9
NEIC X 09 12 10 16.6 20.08N 103.38W 37 3.9 ¶13396485
MEX Error ellipse: s-maj=3.6km s-min=5.4km az=-1.0.
NEIC Event type se. After MEX.
MEX XI 27 22 35 40.9–.53 19.20N 103.99W 110–24 4.0
¶14011956
MEX Error ellipse: s-maj=30.3km s-min=18.7km az=-1.0.
MEX XII 30 20 09 15.1–.76 20.13N 103.83W 174–10 4.1
¶14269538
MEX Error ellipse: s-maj=7.1km s-min=9.1km az=-1.0.

(525) Veracruz.

MEX IX 24 01 46 05.9–.64 22.45N 97.57W 12–15 4.3
¶13856606
MEX Error ellipse: s-maj=4.0km s-min=13.9km az=-1.0.
MEX X 31 01 45 28.5–.77 22.54N 97.83W 25–20 4.1
NEIC X 31 01 45 28.6 22.54N 97.83W 27 4.1 ¶13398694
MEX Error ellipse: s-maj=3.8km s-min=33.7km az=-1.0.
NEIC Event type se. After MEX.
MEX XII 01 21 43 24.8–.55 18.18N 95.27W 25–12 4.0
NEIC XII 01 21 43 24.7 18.20N 95.27W 30 4.0 ¶13836868
MEX Error ellipse: s-maj=5.1km s-min=3.5km az=-1.0.
NEIC Event type se. After MEX.

(526) Gulf of Mexico.

IDC	**IX**	**19 02 26 14.4–1.6**	**27.92N**	**94.58W**	**0**	**3.9b,3.9**		**¶11910600**
IDC		Error ellipse: s-maj=41.2km s-min=23.4km az=8.0.						

(527) Bay of Campeche.

MEX	**VII**	**16 13 22 13.2–.70**	**18.21N**	**94.58W**	**31–6**	**3.8**		
NEIC	VII	16 13 22 13.2	18.21N	94.58W	31	3.8		**¶12951356**
MEX		Error ellipse: s-maj=7.6km s-min=4.7km az=-1.0.						
NEIC		Event type se. After MEX.						
MEX	**VIII**	**07 11 39 00.7–.81**	**18.27N**	**94.63W**	**8–8**	**4.2**		
NEIC	VIII	07 11 39 00.7	18.27N	94.63W	7	4.2		**¶12099751**
MEX		Error ellipse: s-maj=4.1km s-min=3.3km az=-1.0.						
NEIC		Event type se. After MEX.						
MEX	**IX**	**27 09 09 48.1–.55**	**18.08N**	**94.56W**	**29–7**	**3.9**		
NEIC	IX	27 09 09 48.1	18.08N	94.56W	29	3.9		**¶12952226**
MEX		Error ellipse: s-maj=6.3km s-min=2.5km az=-1.0.						
NEIC		Event type se. After MEX.						

SEISMIC REGION 35.
Eastern South America.

(529) Guyana.

ISC	**XI**	**11 14 31 04.0–1.2**	**8.25N–.03**	**59.09W–.03**	**10–8**	**4.3b,3.7s**	**150**	**3-163**
TRN	XI	11 14 31 00.2	8.41N	58.51W	3	5.3,3.7s		**¶12073183**
ISCJB	XI	11 14 31 01.1–1.1	8.27N–.03	59.12W–.03	3–7	4.3b,3.7s		
IDC	XI	11 14 31 02.7–.45	8.23N	58.96W	0	4.5,4.4		
NEIC	XI	11 14 31 03.9–.31	8.20N	59.09W	10	4.6b,4.6W		
FUNV	XI	11 14 31 03.8	8.14N	58.83W	15	4.8W,4.6W		
ISC		Event type fe.						
ISCJB		Event type fe. Error ellipse: s-maj=5.0km s-min=4.6km az=26.7.						
IDC		Error ellipse: s-maj=15.0km s-min=12.7km az=116.0.						
NEIC		Event type fe. Error ellipse: s-maj=6.3km s-min=4.6km az=185.0. Felt at Georgetown.						

SEISMIC REGION 36.
Northwestern Europe.

(533) United Kingdom.

BGS	**VIII**	**08 22 01 27.1–.55**	**51.95N**	**1.68E**	**9–4**	**2.2L**		
UCC	VIII	08 22 01 21.8–.50	51.95N	1.68E	0–10	1.9L		**¶11163330**
CSEM	VIII	08 22 01 24.4–.22	51.81N	1.77E	17–1	2.7L		
NEIC	VIII	08 22 01 25.1	51.89N	1.73E	10	2.7L		
LDG	VIII	08 22 01 25.1–.08	51.89N	1.73E	10–0	2.7L		
BGS		Error ellipse: s-maj=1.2km s-min=11.4km az=-1.0.						
UCC		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=51.0.						
NEIC		Event type se. After LDG.						
LDG		Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=41.0.						
BGS	**X**	**10 04 28 39.3–.56**	**56.83N**	**5.56W**	**12–3**	**3.5L**		
CSEM	X	10 04 28 38.4–.19	56.84N	5.48W	15	3.5L		**¶13396528**
NEIC	X	10 04 28 39.3	56.83N	5.56W	12	3.5L		
IDC	X	10 04 28 39.2–2.4	56.83N	5.28W	0	4.1b,3.8		
BER	X	10 04 28 39.6–3.6	56.84N	5.50W	10–0	3.2,3.1L		
NAO	X	10 04 28 41.7–6.0	56.93N	4.95W	17–25	2.7L,3.1L		
BGS		Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=5.8km s-min=3.1km az=72.0.						
NEIC		Event type fe. Felt [IV] at Glenfinnan. Also felt at Fort William. After BGS.						
IDC		Error ellipse: s-maj=31.9km s-min=17.2km az=80.0.						
BER		Error ellipse: s-maj=4.5km s-min=12.1km az=-1.0.						
NAO		Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.						
BGS	**X**	**26 18 06 25.5–.67**	**52.20N**	**2.63W**	**5–3**	**3.5L**		
IDC	X	26 18 06 22.2–2.2	52.27N	2.85W	0	3.8b,3.7		**¶11362764**
CSEM	X	26 18 06 24.2–.10	52.14N	2.59W	15	3.9L,3.7		
LDG	X	26 18 06 25.6–.10	52.16N	2.53W	10–0	3.9L,3.8		
NEIC	X	26 18 06 26.0	52.21N	2.51W	9	3.9L,3.6L		
BGS		Error ellipse: s-maj=1.1km s-min=2.5km az=-1.0.						
IDC		Error ellipse: s-maj=29.4km s-min=19.1km az=57.0.						
CSEM		Event type ke. Error ellipse: s-maj=3.7km s-min=2.0km az=73.0.						
LDG		Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=73.0.						
NEIC		Event type fe. Felt [IV] in the Herefordshire area. After BGS.						

(535) Southern Norway.

BER	**VIII**	**08 14 07 13.6–2.5**	**60.71N**	**5.48E**	**0–11**	**1.3,1.1L**		
CSEM	VIII	08 14 07 13.6	60.71N	5.48E	0	1.1L,1.1L		**¶11783330**
BER		Error ellipse: s-maj=4.2km s-min=12.6km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BER.						
ISC	**VIII**	**23 12 52 27.3–.36**	**59.93N–.03**	**5.20E–.05**	**10**		**176**	**0-12**
ISCJB	VIII	23 12 52 24.8–.38	59.83N–.03	5.36E–.05	10			**¶13392392**
CSEM	VIII	23 12 52 27.9–.22	60.01N	4.99E	10	2.8L		
NEIC	VIII	23 12 52 28.5–.38	60.02N	4.89E	10	2.8L,2.4L		
BGS	VIII	23 12 52 30.1–.67	59.99N	4.88E	10–0	2.8L,2.4L		
BER	VIII	23 12 52 30.8–3.1	60.05N	5.21E	10–0	2.4L,2.3L		
HEL	VIII	23 12 52 31.3–.40	60.10N	5.41E	15	2.8L,2.3L		
NAO	VIII	23 12 52 35.1–4.9	60.07N	5.69E	23–20	2.4L,2.3L		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=144.5.						
CSEM		Event type ke. Error ellipse: s-maj=6.8km s-min=4.7km az=139.0.						
NEIC		Event type se. Error ellipse: s-maj=6.4km s-min=4.2km az=135.0.						
BGS		Error ellipse: s-maj=3.5km s-min=6.5km az=-1.0.						
BER		Error ellipse: s-maj=5.9km s-min=14.1km az=-1.0.						
HEL		Error ellipse: s-maj=2.7km s-min=3.0km az=-1.0.						
NAO		Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.						
BER	**IX**	**17 17 52 16.2–1.9**	**58.94N**	**5.59E**	**0–19**	**1.4L,1.3**		**¶11656397**
BER		Error ellipse: s-maj=5.5km s-min=12.6km az=-1.0.						
BER	**X**	**10 11 21 47.9–2.0**	**60.49N**	**5.06E**	**0–23**	**1.2L,0.2**		**¶11653223**
BER		Error ellipse: s-maj=12.1km s-min=27.3km az=-1.0.						

(536) Sweden.

ISC	**IX**	**18 09 58 47.7–.23**	**65.51N–.01**	**22.60E–.04**	**10**		**160**	**0-13**
NAO	IX	18 09 58 45.9–.80	65.49N	22.92E		2.6L		**¶13394590**
ISCJB	IX	18 09 58 46.8–.24	65.51N–.02	22.68E–.05	10	2.6L		
CSEM	IX	18 09 58 46.9–.10	65.51N	22.65E	2	2.4L		
HEL	IX	18 09 58 47.6–.10	65.51N	22.68E	4–1	2.7L,2.6L		
IDC	IX	18 09 58 47.7–.79	65.42N	23.14E	0	3.2,3.2		
BER	IX	18 09 58 47.8–4.6	65.50N	22.69E	0–16	2.7L,2.6L		
UPP	IX	18 09 58 47.7	65.52N	22.56E	5	2.4L,2.6L		
ISC		Event type ke.						
NAO		Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=20.0.						
CSEM		Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=115.0.						
HEL		Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.						
IDC		Error ellipse: s-maj=14.8km s-min=6.9km az=96.0.						
BER		Error ellipse: s-maj=6.1km s-min=19.0km az=-1.0.						
UPP		Event type ke.						
IDC	**X**	**02 12 49 19.6–3.4**	**59.00N**	**18.72E**	**0**	**3.3,3.2L**		**¶11911710**
IDC		Error ellipse: s-maj=49.8km s-min=13.0km az=169.0.						
ISC	**X**	**16 19 31 57.6–.47**	**64.35N–.02**	**20.74E–.04**	**3–3**		**176**	**0-10**
NAO	X	16 19 31 57.2–.80	64.34N	20.67E		2.6L		**¶13397282**
IDC	X	16 19 31 57.3–.73	64.33N	20.77E	0	2.8,2.7		
BER	X	16 19 31 58.4–3.9	64.34N	20.68E	0–11	3.5,2.7L		
HEL	X	16 19 31 59.2–.20	64.37N	20.66E	15–1	2.9L,2.7L		
CSEM	X	16 19 31 59.1–.10	64.35N	20.63E	15	2.2L,2.7L		
UPP	X	16 19 32 04.2	64.39N	20.49E	43	2.2L,2.7L		
ISC		Event type ke.						
NAO		Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.						
IDC		Error ellipse: s-maj=9.5km s-min=6.3km az=123.0.						
BER		Error ellipse: s-maj=5.7km s-min=12.3km az=-1.0.						
HEL		Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=110.0.						
UPP		Event type ke.						
ISC	**X**	**26 11 41 31.7–.58**	**65.61N–.02**	**18.62E–.05**	**0–4**		**155**	**1-6**
NAO	X	26 11 41 31.7–.90	65.63N	18.81E		2.3L		**¶13398113**
ISCJB	X	26 11 41 31.9–.27	65.60N–.02	18.69E–.05	10	2.3L		
IDC	X	26 11 41 32.4–.84	65.62N	18.83E	0	3.0,3.0		
HEL	X	26 11 41 33.2–.10	65.62N	18.69E	7	2.5L,2.3L		
BER	X	26 11 41 33.5–3.4	65.61N	18.76E	0–10	3.1,2.5L		
CSEM	X	26 11 41 33.0–.14	65.62N	18.67E	10	2.3L,2.5L		
UPP	X	26 11 41 33.3	65.62N	18.75E	7	2.3L,2.5L		
ISC		Event type ke.						
NAO		Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=167.2.						
IDC		Error ellipse: s-maj=12.3km s-min=6.7km az=117.0.						
HEL		Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.						
BER		Error ellipse: s-maj=5.1km s-min=12.7km az=-1.0.						
CSEM		Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=98.0.						
UPP		Event type ke.						
ISC	**XI**	**11 14 45 03.7–.72**	**58.38N–.05**	**11.47E–.10**	**10**		**30**	**2-13**
BER	XI	11 14 45 01.8–2.6	58.20N	11.36E	0	1.9L,1.8L		**¶13399842**
ISCJB	XI	11 14 45 02.0–.74	58.36N–.05	11.7E–.10	10	1.9L,1.8L		
CSEM	XI	11 14 45 02.5–.18	58.38N	11.40E	2	1.8L,1.8L		
IDC	XI	11 14 45 03.6–2.0	58.49N	11.23E	0	3.5,3.4		
NAO	XI	11 14 45 03.2–2.6	58.40N	11.14E		1.9L,3.4		
ISC		Event type ke.						
BER		Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.						
ISCJB		Event type ke. Error ellipse: s-maj=8.4km s-min=6.0km az=37.0.						
CSEM		Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=124.0.						
IDC		Error ellipse: s-maj=14.9km s-min=14.1km az=75.0.						
NAO		Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.						
ISC	**XII**	**16 05 20 01.4–.10**	**55.551N–.01**	**13.51E–.02**	**10**	**4.6b,3.7s**	**1080**	**1-126**
BJI	XII	16 05 19 57.4	55.50N	13.50E	10	5.0b,4.8s		**¶13402913**
ISCJB	XII	16 05 19 58.6–.11	55.550N–.01	13.48E–.02	10	4.6b,3.7s		
MOS	XII	16 05 19 59.3–1.1	55.48N	13.39E	10	4.8b,3.7s		
IDC	XII	16 05 20 00.9–.49	55.45N	13.54E	0	4.4,4.3b		
LDG	XII	16 05 20 00.6–.14	55.54N	13.79E	10–0	4.8L,4.3b		
NEIC	XII	16 05 20 01.5–.17	55.51N	13.41E	10	4.8b,4.4L		
PRU	XII	16 05 20 01.1	55.49N	13.68E	0	4.8,4.4L		
UPP	XII	16 05 20 02.7	55.60N	13.55E	18	4.4L,4.4L		
CSEM	XII	16 05 20 02.0–.06	55.53N	13.47E	15	4.4L,4.3W		
BNS	XII	16 05 20 02.3–.64	55.55N	13.81E	10	4.5L,4.3W		
BGR	XII	16 05 20 02.6–.40	55.61N	13.62E	16–2	5.2L,4.3W		
NAO	XII	16 05 20 03.0–1.9	55.63N	13.60E		4.7L,4.3W		
BER	XII	16 05 20 03.5–4.0	55.65N	13.60E	10–0	4.7L,4.6L		
HEL	XII	16 05 20 03.1–.20	55.57N	13.53E	20–1	4.9L,4.8b		
GCMT	XII	16 05 20 04.5–.60	55.55N	13.76E	12	4.3W,4.8b		
BEO	XII	16 05 20 06.7–1.0	55.50N	13.34E	0–0	4.9L,4.8b		
ISC		Event type fe.						
ISCJB		Event type fe. Error ellipse: s-maj=1.6km s-min=1.4km az=170.7.						
MOS		Error ellipse: s-maj=5.6km s-min=2.7km az=89.4.						
IDC		Error ellipse: s-maj=10.1km s-min=5.5km az=84.0.						
LDG		Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=146.0.						
NEIC		Event type fe. Error ellipse: s-maj=3.6km s-min=2.4km az=126.0. Felt [V] at Ystad; [IV] at Eslov, Kristianstad, Landskrona, Lund, Malmo and Staffanstorp; [III] at Angelholm, Hassleholm, Helsingborg, Hoganas, Karlshamn and Ronneby; [II] at Halmstad, Linkoping, Ljungby, Stockholm, Trelleborg, Varnamo and Vaxjo. Also felt [IV] at Humlebaek; [III] at Akirkeby, Allinge, Birkerod, Copenhagen, Espergaerde, Farum, Havdrup, Helsingor, Ishoj, Lillerod, Nexo, Niva, Olstykke, Ronne, Roskilde and Smorumnedre; [II] at Dragor, Flong, Frederikssund, Frederiksvaerk, Graested, Greve Strand, Hillerod, Horsholm, Malov, Naestved, Solrod, Tastrup, Trorod, Vaerlose and Viby, Denmark. Felt in much of southern Sweden and eastern Denmark. Also felt at Rostock and Stralsund, Germany. Moment Tensor Solution. $M_0$2.30000×10^{15}						
UPP		Event type ke.						
CSEM		Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=76.0.						
BNS		Event type ke.						
BGR		Event type fe. Error ellipse: s-maj=6.7km s-min=3.3km az=25.0. Felt in Rostock and Ruegen.						
NAO		Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.						
BER		Error ellipse: s-maj=8.0km s-min=10.0km az=-1.0.						
HEL		Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.						
GCMT		Event type se. Data Used: ll lU G. Surface wave period40 sec. Moment Tensor Solution. s26,c34; Moment tensor: Scale 10^{15}Nm; M_{rr}0.04±.43 $M_{\theta\theta}$-2.98±.30; $M_{\phi\phi}$2.94±.33; $M_{r\theta}$0.42±.86; $M_{\theta\phi}$-1.66±.32; $M_{\phi r}$-0.70±.86; Best double couple: NP1:ϕ_s211.00000°,δ78.00000°,λ6.00000°. NP2:ϕ_s120.00000°,δ84.00000°,λ168.00000°. Principal axes: T 3.5500,Plg13.0000°,Azm75.0000°; N -0.1200,Plg77.0000°,Azm273.0000°; P -3.4300,Plg4.0000°,Azm166.0000° $M_0$3.50000×10^{15}						

(537) Baltic Sea.

IDC	**VII**	**03 05 52 15.0–1.6**	**56.11N**	**18.59E**	**0**	**3.7,3.7**		**¶12697959**
IDC		Error ellipse: s-maj=25.4km s-min=11.9km az=45.0.						
IDC	**VII**	**03 06 35 13.4–1.6**	**56.13N**	**18.62E**	**0**	**3.5,3.4L**		**¶12697962**
IDC		Error ellipse: s-maj=26.2km s-min=11.2km az=44.0.						

(538) France.

ISC	**VII**	**19 23 31 16.5–.20**	**43.11N–.01**	**0.18E–.02**	**13–2**		**322**	**0-5**
ISCJB	VII	19 23 31 15.3–.21	43.14N–.02	0.19E–.02	14–2			**¶11163197**
CSEM	VII	19 23 31 16.5–.09	43.10N	0.18E	10	2.6L		
MDD	VII	19 23 31 17.8–.24	43.06N	0.17E	10–0	2.3		
STR	VII	19 23 31 17.4–.29	43.05N	0.16E	5–0	2.8L		
NEIC	VII	19 23 31 17.4	43.05N	0.16E	5	2.8L,2.7L		
LDG	VII	19 23 31 17.4–.04	43.06N	0.17E	5–0	2.7L,2.5		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=149.6.						
CSEM		Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=146.0.						
MDD		Error ellipse: s-maj=2.4km s-min=1.6km az=11.0.						
STR		Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.						
NEIC		Event type se. After STR.						
LDG		Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=148.0.						
ISC	**VIII**	**09 15 35 38.9–.27**	**45.07N–.01**	**4.42E–.02**	**12–2**		**176**	**0-3**
ISCJB	VIII	09 15 35 37.7–.28	45.09N–.02	4.42E–.02	6–3			**¶11169773**
CSEM	VIII	09 15 35 38.8–.08	45.07N	4.43E	10	2.3L		
LDG	VIII	09 15 35 39.8–.04	45.06N	4.43E	3–0	2.4L,2.4		
STR	VIII	09 15 35 40.3–.33	45.13N	4.43E	5–0	2.4L,2.4		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=31.0.						
CSEM		Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=22.0.						
LDG		Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=30.0.						
STR		Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.						
ISC	**VIII**	**21 14 02 01.6–.23**	**44.91N–.01**	**6.63E–.02**	**8–3**		**189**	**0-5**
ISCJB	VIII	21 14 02 00.4–.24	44.91N–.01	6.59E–.02	2–3			**¶11227233**
ROM	VIII	21 14 02 01.3–.42	44.88N	6.70E	5–0	2.7,2.3L		
CSEM	VIII	21 14 02 01.3–.08	44.91N	6.64E	5	2.9L,2.3L		
NEIC	VIII	21 14 02 02.6	44.86N	6.62E	5	2.9L,2.8L		
STR	VIII	21 14 02 02.6–.66	44.86N	6.62E	5–0	2.8L,2.8L		
LDG	VIII	21 14 02 02.1–.04	44.90N	6.70E	2–0	2.9L,2.9		
ISC		Event type ke.						
ISCJB		Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=155.0.						
ROM		Event type ke. Error ellipse: s-maj=5.0km s-min=2.4km az=80.0.						
CSEM		Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=62.0.						
NEIC		Event type se. After STR.						
STR		Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.						
LDG		Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=67.0.						
MDD	**VIII**	**21 22 33 55.4–.23**	**43.01N**	**0.02E**	**10–0**	**1.7**		
STR	VIII	21 22 33 54.9–.22	43.00N	0.02W	5–0	2.4L		**¶11227237**
CSEM	VIII	21 22 33 54.4–.10	43.02N	0.03E	12	2.3L		
LDG	VIII	21 22 33 55.4–.06	43.01N	0.03E	2–0	2.6,2.3L		
MDD		Error ellipse: s-maj=2.3km s-min=1.6km az=14.0. PRIMO.						
STR		Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.						
CSEM		Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=171.0.						

LDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=176.0.
ISC VIII 23 08 57 35.8–.48 48.14N–.02 3.36W–.04 10 183 0-7
ISCJB VIII 23 08 57 35.9–.51 48.04N–.02 3.16W–.04 10 ¶11207952
LDG VIII 23 08 57 36.9–.21 48.24N 3.45W 11–0 3.3,3.2L
STR VIII 23 08 57 36.0–.31 48.26N 3.54W 5–0 3.2L,3.2L
NEIC VIII 23 08 57 36.9 48.24N 3.45W 11 3.2L,3.2L
CSEM VIII 23 08 57 37.2–.24 48.16N 3.27W 15 3.1L,3.2L
BGS VIII 23 08 57 38.0–1.2 48.42N 3.74W 15–0 2.6L,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=163.3.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=90.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type se. After LDG.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=79.0.
BGS Error ellipse: s-maj=19.2km s-min=10.8km az=-1.0.
ISC VIII 23 09 02 17.2–.64 48.24N–.05 3.48W–.04 15–5 49 0-3
ISCJB VIII 23 09 02 16.5–.65 48.28N–.05 3.45W–.04 15–5 ¶11227244
CSEM VIII 23 09 02 17.2–.30 48.25N 3.49W 20 2.3L
LDG VIII 23 09 02 18.9–.21 48.22N 3.42W 9–1 2.7L,2.3
NEIC VIII 23 09 02 18.9 48.22N 3.42W 9 2.7L,2.3
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=5.0km az=175.1.
CSEM Event type ke. Error ellipse: s-maj=7.8km s-min=5.1km az=1.0.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.1km az=99.0.
NEIC Event type se. After LDG.
ISC VIII 27 07 06 44.1–.43 48.30N–.03 6.66E–.02 10 66 0-3
ISCJB VIII 27 07 06 43.5–.42 48.27N–.03 6.63E–.02 10 ¶11232328
NEIC VIII 27 07 06 44.6 48.31N 6.69E 11 2.5L
LDG VIII 27 07 06 44.6–.06 48.31N 6.69E 11–0 2.5L,2.2
STR VIII 27 07 06 44.2–.50 48.30N 6.67E 10–0 1.9L,2.2
CSEM VIII 27 07 06 44.0–.10 48.29N 6.66E 20 2.2L,2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=178.9.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=8.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.3km az=4.0.
ISC VIII 30 03 59 41.8–.21 48.32N–.01 6.60E–.02 17–2 197 0-4
ISCJB VIII 30 03 59 40.7–.23 48.32N–.01 6.58E–.02 14–2 ¶11223907
CSEM VIII 30 03 59 41.9–.08 48.32N 6.60E 15 2.4L
STR VIII 30 03 59 42.5–.17 48.32N 6.63E 10–0 2.3L
LDG VIII 30 03 59 42.9–.05 48.32N 6.61E 10–0 2.7,2.4L
ZUR VIII 30 03 59 43.5 48.32N 6.71E 6–0 1.9L,2.4L
BGR VIII 30 03 59 43.0–.28 48.34N 6.67E 10 2.1L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=5.5.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=177.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=4.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=71.0.
LDG IX 12 15 23 24.1–.07 45.58N 2.87E 9–0 2.0L,1.9
CSEM IX 12 15 23 23.4–.15 45.58N 2.87E 18–1 1.8L,1.9 ¶11302716
STR IX 12 15 23 24.3–.28 45.58N 2.84E 5–0 2.1L,1.9
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=109.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.5km az=104.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC X 08 23 08 31.5–.18 44.806N–.01 6.77E–.02 12–1 364 0-7
ROM X 08 23 08 30.9–.23 44.78N 6.75E 9–4 2.7,2.5L ¶11348985
ISCJB X 08 23 08 30.7–.19 44.80N–.01 6.77E–.02 13–1 2.7,2.5L
CSEM X 08 23 08 31.5–.06 44.80N 6.79E 10 3.0L,2.5L
GEN X 08 23 08 31.3 44.78N 6.71E 8 2.5L,2.5L
LDG X 08 23 08 32.3–.08 44.79N 6.83E 2–0 3.0,2.9L
NEIC X 08 23 08 32.3 44.79N 6.83E 2 2.9L,2.9L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=5.4km s-min=1.6km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=157.2.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=57.0.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=67.0.
NEIC Event type se. After LDG.
ISC X 10 13 55 39.0–.20 44.58N–.01 6.80E–.02 11–2 221 0-4
CSEM X 10 13 55 38.9–.11 44.58N 6.81E 5 2.8L ¶11348999
ISCJB X 10 13 55 38.5–.22 44.56N–.01 6.79E–.02 10–2 2.8L
NEIC X 10 13 55 39.5 44.58N 6.80E 2 2.8L,2.5L
GEN X 10 13 55 39.2 44.56N 6.80E 8 2.2L,2.5L
LDG X 10 13 55 39.5–.04 44.58N 6.80E 2–0 2.8L,2.6
ROM X 10 13 55 39.2–.25 44.58N 6.86E 10–1 2.3,2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=54.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=144.6.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=62.0.
ROM Event type ke. Error ellipse: s-maj=3.1km s-min=1.4km az=60.0.
ISC X 10 18 17 58.6–.24 44.57N–.01 6.83E–.02 15–2 110 0-3
ISCJB X 10 18 17 58.1–.24 44.56N–.01 6.81E–.02 13–2 ¶11349003
CSEM X 10 18 17 58.4–.07 44.58N 6.83E 12 2.4L
GEN X 10 18 17 58.9 44.56N 6.82E 9 1.6L
LDG X 10 18 17 59.1–.05 44.57N 6.82E 2–0 2.5,2.4L
ROM X 10 18 17 59.2–.36 44.58N 6.89E 10–1 2.0,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=144.1.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=54.0.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=61.0.
ROM Event type ke. Error ellipse: s-maj=3.9km s-min=2.0km az=86.0.
ISC X 24 21 32 45.6–.24 45.98N–.01 1.32W–.02 10 322 1-6
ISCJB X 24 21 32 43.7–.24 45.99N–.01 1.26W–.02 10 ¶11380326
CSEM X 24 21 32 46.2–.15 45.98N 1.30W 20 2.7L
MDD X 24 21 32 46.1–.88 46.05N 1.32W 0 2.2
LDG X 24 21 32 47.8–.07 45.98N 1.32W 16–0 2.8,2.7L
NEIC X 24 21 32 47.8 45.98N 1.32W 16 2.7L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=170.1.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=62.0.
MDD Error ellipse: s-maj=13.6km s-min=6.4km az=104.0.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=66.0.
NEIC Event type se. After LDG.
LDG XI 05 03 25 25.8–.08 45.12N 6.47E 10–0 1.5L,1.5
CSEM XI 05 03 25 25.8 45.12N 6.47E 10 1.5L,1.5 ¶11456233
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=132.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LDG.
ISC XI 11 15 33 49.1–.21 45.75N–.01 7.00E–.02 15–1 283 0-5
ISCJB XI 11 15 33 48.1–.22 45.76N–.01 6.94E–.02 13–2 ¶11456273
CSEM XI 11 15 33 49.1–.08 45.76N 6.99E 12 2.7L
LDG XI 11 15 33 49.6–.05 45.75N 7.06E 5–0 2.7L,2.6
ROM XI 11 15 33 49.5–.13 45.81N 7.07E 7–2 2.4L,2.3
GEN XI 11 15 33 49.9 45.79N 7.06E 3 2.1L,2.3
ZUR XI 11 15 33 50.3 45.80N 7.05E 1–1 2.0L,2.3
NEIC XI 11 15 33 51.0 45.78N 6.91E 5 2.7L,2.5L
STR XI 11 15 33 51.0–.39 45.78N 6.91E 5–0 2.7L,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=173.6.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=89.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=102.0.
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=1.7km az=110.0.
NEIC Event type se. After STR.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
CSEM XI 15 20 06 47.5–.11 44.79N 6.70E 12 1.9L
GEN XI 15 20 06 47.7 44.78N 6.67E 3 1.2L ¶11474892
LDG XI 15 20 06 47.9–.05 44.80N 6.68E 2–0 2.2L,1.7
STR XI 15 20 06 49.8–.62 44.76N 6.83E 5–0 2.1L,1.7
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=71.0.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=51.0.

STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC XI 17 02 04 45.2–.50 48.63N–.02 2.92W–.04 20–2 204 0-6
ISCJB XI 17 02 04 44.8–.46 48.64N–.02 2.86W–.05 30–4 ¶11456699
CSEM XI 17 02 04 45.0–.24 48.64N 2.94W 15 2.5L
NEIC XI 17 02 04 45.2 48.66N 3.02W 2 2.5L
LDG XI 17 02 04 45.2–.12 48.66N 3.02W 2–0 2.6,2.5L
BGS XI 17 02 04 47.4–1.5 48.88N 2.93W 4–68 1.7L,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=16.3.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=114.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=121.0.
BGS Error ellipse: s-maj=140.0km s-min=32.0km az=-1.0.
ISC XI 29 18 43 58.1–.18 44.57N–.01 6.83E–.02 14–1 276 0-7
GEN XI 29 18 43 57.9 44.55N 6.79E 8 2.4L ¶11490817
ROM XI 29 18 43 57.9–.29 44.58N 6.85E 9–1 2.4,2.4L
ISCJB XI 29 18 43 57.2–.19 44.58N–.01 6.79E–.02 14–1 2.4,2.4L
STR XI 29 18 43 58.9–.17 44.55N 6.83E 5–0 2.9L,2.4L
CSEM XI 29 18 43 58.0–.06 44.57N 6.84E 10 3.0L,2.4L
LDG XI 29 18 43 59.2–.06 44.55N 6.85E 2–0 2.9L,2.8
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.4km s-min=1.4km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=144.4.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=51.0.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=65.0.
LDG XII 01 02 14 40.3–.10 45.00N 6.67E 2–0 1.8L,1.6
GEN XII 01 02 14 40.4 45.01N 6.68E 24 1.2L,1.6 ¶15119374
CSEM XII 01 02 14 40.3 45.00N 6.67E 2 1.8L,1.6
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After LDG.
ISC XII 06 06 24 34.0–.24 44.72N–.01 6.65E–.02 12–2 128 0-3
ROM XII 06 06 24 33.7–.43 44.71N 6.67E 10–0 1.9,1.9L ¶12075989
ISCJB XII 06 06 24 33.4–.25 44.71N–.01 6.62E–.02 12–2 1.9,1.9L
CSEM XII 06 06 24 33.9–.06 44.72N 6.66E 10 2.4L,1.9L
GEN XII 06 06 24 34.4 44.72N 6.69E 0 1.7L,1.9L
STR XII 06 06 24 34.8–.12 44.66N 6.61E 5–0 2.3L,1.9L
LDG XII 06 06 24 34.6–.03 44.72N 6.70E 2–0 2.5,2.4L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=5.9km s-min=1.9km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=147.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=50.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=59.0.
ISC XII 07 11 40 59.8–.18 44.57N–.01 6.89E–.02 17–1 293 0-6
CSEM XII 07 11 40 59.9–.08 44.57N 6.90E 15 2.8L ¶12076172
GEN XII 07 11 41 00.3 44.54N 6.88E 10 2.3L
NEIC XII 07 11 41 00.5 44.58N 6.94E 2 2.7L
ROM XII 07 11 41 00.4–.22 44.56N 6.93E 11–1 2.4,2.3L
ISCJB XII 07 11 41 00.2–.20 44.58N–.01 6.91E–.02 24–2 2.4,2.3L
STR XII 07 11 41 00.4–.35 44.58N 6.96E 5–0 2.6L,2.3L
LDG XII 07 11 41 00.5–.05 44.58N 6.94E 2–0 2.7L,2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=48.0.
NEIC Event type se. After LDG.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=63.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=151.4.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=63.0.
ISC XII 07 11 53 00.5–.20 44.57N–.01 6.90E–.02 15–2 224 0-4
ISCJB XII 07 11 53 00.1–.22 44.55N–.01 6.86E–.02 15–2 ¶12076175
ROM XII 07 11 53 00.9–.24 44.54N 6.91E 11–1 2.2,2.1L
CSEM XII 07 11 53 00.6–.08 44.56N 6.90E 12 2.5L,2.1L
STR XII 07 11 53 01.3–.22 44.54N 6.90E 5–0 2.4L,2.1L
LDG XII 07 11 53 01.2–.05 44.57N 6.93E 2–0 2.5L,2.5
NEIC XII 07 11 53 01.2 44.57N 6.93E 2 2.5L,2.5
GEN XII 07 11 53 01.1 44.54N 6.89E 11 2.0L,2.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=143.9.
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=1.3km az=66.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.3km az=52.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=62.0.
NEIC Event type se. After LDG.
ISC XII 07 22 36 37.8–.18 44.58N–.01 6.90E–.02 17–1 337 0-7
ROM XII 07 22 36 37.9–.21 44.55N 6.90E 10–1 2.5,2.5L ¶12076259
CSEM XII 07 22 36 37.7–.07 44.58N 6.90E 10 2.8L,2.5L
STR XII 07 22 36 38.0–.17 44.58N 6.94E 5–0 2.7L,2.5L
ISCJB XII 07 22 36 38.0–.20 44.60N–.01 6.94E–.02 25–2 2.7L,2.5L
GEN XII 07 22 36 38.0 44.54N 6.86E 9 2.4L,2.5L
LDG XII 07 22 36 38.3–.04 44.58N 6.96E 2–0 2.7L,2.6
NEIC XII 07 22 36 38.3 44.58N 6.96E 2 2.7L,2.6
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=1.2km az=56.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=49.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=151.9.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=63.0.
NEIC Event type se. After LDG.
ISC XII 08 05 49 49.8–.19 44.57N–.01 6.90E–.02 16–1 278 0-6
CSEM XII 08 05 49 49.8–.07 44.57N 6.91E 12 2.9L ¶12076303
GEN XII 08 05 49 50.3 44.54N 6.88E 10 2.4L
STR XII 08 05 49 50.5–.21 44.55N 6.91E 5–0 2.6L
LDG XII 08 05 49 50.4–.04 44.57N 6.94E 2–0 2.8L,2.5
ISCJB XII 08 05 49 50.2–.20 44.57N–.01 6.91E–.02 23–3 2.8L,2.5
NEIC XII 08 05 49 50.4 44.57N 6.94E 2 2.8L,2.5
ROM XII 08 05 49 50.2–.23 44.56N 6.92E 11–1 2.6,2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=51.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=152.4.
NEIC Event type se. After LDG.
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=1.4km az=58.0.
ISC XII 11 00 22 36.2–.21 44.57N–.01 6.88E–.02 16–2 268 0-6
GEN XII 11 00 22 36.5 44.54N 6.86E 8 2.4L ¶12612093
NEIC XII 11 00 22 36.9 44.57N 6.93E 2 2.7L
ROM XII 11 00 22 36.6–.29 44.55N 6.92E 10–0 2.4,2.3L
CSEM XII 11 00 22 36.2–.08 44.57N 6.88E 12 2.8L,2.3L
LDG XII 11 00 22 36.9–.05 44.57N 6.93E 2–0 2.7L,2.7
ISCJB XII 11 00 22 36.4–.23 44.59N–.01 6.92E–.03 26–2 2.7L,2.7
STR XII 11 00 22 36.5–.21 44.56N 6.89E 5–0 2.6L,2.7
ISC Event type ke.
NEIC Event type se. After LDG.
ROM Event type ke. Error ellipse: s-maj=4.2km s-min=1.6km az=62.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=54.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=158.8.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC XII 11 09 35 34.1–.34 44.56N–.02 6.92E–.03 12–4 95 0-3
ISCJB XII 11 09 35 33.6–.32 44.55N–.02 6.89E–.03 13–3 ¶12076890
CSEM XII 11 09 35 34.0–.07 44.55N 6.92E 10 2.5L
LDG XII 11 09 35 34.4–.08 44.57N 6.91E 2–0 2.6L,2.4
GEN XII 11 09 35 34.6 44.54N 6.91E 12 1.9L,2.4
NEIC XII 11 09 35 34.4 44.57N 6.91E 2 2.6L,2.4
STR XII 11 09 35 35.4–.34 44.49N 6.87E 5–0 2.3L,2.4
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=147.8.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=57.0.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.1km az=64.0.
NEIC Event type se. After LDG.

STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC XII 13 05 46 38.2–.19 44.57N–.01 6.88E–.02 16–1 279 0-6
GEN XII 13 05 46 38.3 44.53N 6.84E 6 2.2L **¶12077239**
ROM XII 13 05 46 38.5–.22 44.55N 6.92E 10–0 2.2,2.2L
STR XII 13 05 46 38.6–.13 44.56N 6.90E 5–0 2.5L,2.2L
CSEM XII 13 05 46 38.2–.08 44.56N 6.89E 15 2.6L,2.2L
LDG XII 13 05 46 38.8–.04 44.57N 6.94E 2–0 2.6L,2.4
ISCJB XII 13 05 46 38.4–.21 44.58N–.01 6.91E–.03 25–2 2.6L,2.4
NEIC XII 13 05 46 38.8 44.57N 6.94E 2 2.6L,2.4
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=60.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=54.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=64.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=155.8.
NEIC Event type se. After LDG.
ISC XII 14 02 23 23.8–.18 44.57N–.01 6.89E–.02 17–1 329 0-7
ISCJB XII 14 02 23 24.0–.20 44.58N–.01 6.88E–.02 24–2 **¶12077376**
CSEM XII 14 02 23 23.8–.07 44.57N 6.89E 12 2.9L
ROM XII 14 02 23 24.0–.23 44.55N 6.89E 10–1 2.6L,2.4
LDG XII 14 02 23 24.5–.04 44.57N 6.94E 2–0 2.8L,2.6
GEN XII 14 02 23 24.5 44.54N 6.89E 10 2.5L,2.6
NEIC XII 14 02 23 24.5 44.57N 6.94E 2 2.8L,2.6
STR XII 14 02 23 25.2–.12 44.45N 6.77E 5–0 2.9L,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=153.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=45.0.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=1.2km az=60.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=61.0.
NEIC Event type se. After LDG.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
CSEM XII 15 01 33 28.1–.12 44.57N 6.87E 10 1.6L
LDG XII 15 01 33 28.3–.10 44.56N 6.91E 2–0 1.7L,1.6 **¶12077517**
STR XII 15 01 33 28.7–.40 44.47N 6.70E 5–0 2.2L,1.6
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=1.8km az=71.0.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=1.3km az=82.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC XII 20 09 12 29.8–.34 46.00N–.01 0.69W–.02 13–2 295 0-6
ISCJB XII 20 09 12 27.1–.36 46.00N–.01 0.70W–.02 1–2 **¶11538975**
CSEM XII 20 09 12 29.8–.12 46.00N 0.71W 10 3.1L
LDG XII 20 09 12 31.1–.05 46.00N 0.72W 2–0 3.0L,2.9
NEIC XII 20 09 12 31.1 46.00N 0.72W 2 3.0L,2.9
STR XII 20 09 12 33.4–.35 46.01N 0.55W 5–0 2.9L,2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.2km az=150.4.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=60.0.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=63.0.
NEIC Event type se. After LDG.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC XII 22 03 32 36.1–.24 44.57N–.01 6.87E–.02 15–2 139 0-4
ISCJB XII 22 03 32 35.4–.24 44.56N–.01 6.83E–.02 15–2 **¶11538995**
ROM XII 22 03 32 36.3–.42 44.58N 6.91E 3–0 2.0,1.7L
CSEM XII 22 03 32 36.0–.08 44.57N 6.87E 12 2.3L,1.7L
GEN XII 22 03 32 36.1 44.53N 6.85E 5 1.8L,1.7L
LDG XII 22 03 32 36.5–.04 44.57N 6.94E 2–0 2.5,2.3L
STR XII 22 03 32 37.0–.39 44.53N 6.87E 5–0 2.3L,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=161.9.
ROM Event type ke. Error ellipse: s-maj=3.9km s-min=1.8km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=62.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=67.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC XII 29 02 17 20.8–.36 44.71N–.02 6.63E–.03 13–5 95 0-3
STR XII 29 02 17 18.4–.42 44.77N 6.40E 5–0 2.4L **¶11593944**
CSEM XII 29 02 17 20.7–.11 44.70N 6.64E 2 2.4L
ISCJB XII 29 02 17 20.0–.33 44.70N–.02 6.62E–.03 10 2.4L
ROM XII 29 02 17 21.0–.35 44.71N 6.66E 10–0 2.1,1.8L
NEIC XII 29 02 17 21.1 44.71N 6.64E 2 2.5L,1.8L
LDG XII 29 02 17 21.1–.06 44.71N 6.64E 2–0 2.5L,1.8L
ISC Event type ke.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=86.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=178.9.
ROM Event type ke. Error ellipse: s-maj=4.4km s-min=2.0km az=114.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=57.0.

(539) Bay of Biscay.

ISC VIII 10 03 27 48.7–.60 44.59N–.02 2.90W–.06 10 143 1-5
ISCJB VIII 10 03 27 48.2–.62 44.62N–.02 2.80W–.06 10 **¶11169784**
CSEM VIII 10 03 27 48.7–.26 44.55N 3.07W 20 2.5L
LDG VIII 10 03 27 49.8–.15 44.52N 3.17W 20–0 2.5L
MDD VIII 10 03 27 49.3–1.5 44.36N 3.20W 0 2.0
NEIC VIII 10 03 27 49.8 44.52N 3.17W 20 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.4km az=168.5.
CSEM Event type ke. Error ellipse: s-maj=6.3km s-min=4.2km az=76.0.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=81.0.
MDD Error ellipse: s-maj=14.2km s-min=8.4km az=168.0. PRIMO.
NEIC Event type se. After LDG.
ISC XI 12 15 34 09.2–.39 45.43N–.02 4.00W–.04 10 199 2-10
ISCJB XI 12 15 34 07.8–.40 45.44N–.02 3.96W–.04 10 **¶11474876**
NEIC XI 12 15 34 08.9 45.31N 4.36W 17 3.0L
LDG XI 12 15 34 08.9–.10 45.30N 4.36W 17–0 3.0L
MDD XI 12 15 34 09.2–.61 45.42N 4.25W 12–1 3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=2.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=104.0.
MDD Error ellipse: s-maj=6.3km s-min=4.5km az=111.0. PRIMO.

(540) The Netherlands.

ISC VIII 12 15 18 50.9–.44 51.15N–.02 5.82E–.03 10 167 0-5
ISCJB VIII 12 15 18 50.1–.45 51.11N–.02 5.84E–.03 10 **¶11169813**
CSEM VIII 12 15 18 52.5–.25 51.07N 5.94E 30 2.9L
UCC VIII 12 15 18 52.5–.42 51.16N 5.89E 19–1 2.1L
LDG VIII 12 15 18 52.0–.11 51.15N 5.88E 20–0 2.8L,2.6
NEIC VIII 12 15 18 52.0 51.15N 5.88E 20 2.8L,2.6
BGR VIII 12 15 18 53.5–.45 51.13N 6.09E 10 2.2L,2.6
BNS VIII 12 15 18 53.6–.86 51.12N 5.94E 21–3 2.2L,2.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=144.1.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.0km az=158.0.
UCC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=148.0.
NEIC Event type se. After LDG.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=119.0.
BNS Event type ke.
ISC IX 02 01 58 51.1–.40 51.04N–.02 5.97E–.03 10 119 0-5
ISCJB IX 02 01 58 50.2–.41 51.05N–.02 5.95E–.03 10 **¶11232419**
CSEM IX 02 01 58 51.3–.15 51.03N 6.03E 20 2.5L
BGR IX 02 01 58 52.0–.48 51.05N 6.07E 10 1.9L
LDG IX 02 01 58 52.1–.07 51.04N 5.99E 10–0 2.6,2.2L
BNS IX 02 01 58 52.4–.48 51.06N 6.03E 14–4 1.9L,2.2L
UCC IX 02 01 58 52.1–.28 51.05N 6.00E 15–0 1.7L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=140.1.
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=145.0.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=111.0.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=146.0.
BNS Event type ke.
UCC Event type ke.

(541) Belgium.

ISC VII 13 13 45 49.6–.24 50.57N–.01 4.54E–.02 11–1 439 0-11
ISCJB VII 13 13 45 47.8–.29 50.52N–.01 4.50E–.02 7–2 **¶11121215**
UCC VII 13 13 45 49.9–.44 50.63N 4.58E 6–1 3.2L
CSEM VII 13 13 45 49.0–.13 50.61N 4.51E 5 3.9L
LDG VII 13 13 45 49.9–.11 50.63N 4.58E 4–0 3.8L,3.4
NEIC VII 13 13 45 49.9 50.63N 4.58E 4 3.8L,3.7L
BNS VII 13 13 45 51.5–.26 50.60N 4.66E 10 3.5L,3.7L
BGR VII 13 13 45 52.0–.55 50.67N 4.77E 10 3.4L,3.7L
STR VII 13 13 45 51.2–.31 50.62N 4.50E 5–0 3.7L,3.7L
PRU VII 13 13 45 56.3 50.43N 5.14E 0 3.7L,3.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=1.6km az=141.1.
UCC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=144.0.
LDG Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=99.0.
NEIC Event type fe. Felt at Court-Saint-Etienne, Lasne, Ottignies and Overijse. After LDG.
BNS Event type ke.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=6.7km az=101.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VII 14 01 33 58.3–.32 50.34N–.01 3.72E–.02 12–2 293 0-8
ISCJB VII 14 01 33 56.8–.36 50.27N–.02 3.66E–.02 6–2 **¶11163135**
CSEM VII 14 01 33 58.3–.12 50.35N 3.72E 10 3.3L
UCC VII 14 01 33 58.3–.38 50.40N 3.75E 4–1 2.6L
NEIC VII 14 01 33 59.0 50.43N 3.78E 4 3.2L,3.1L
LDG VII 14 01 33 59.0–.06 50.43N 3.78E 4–0 3.2L,3.0
STR VII 14 01 34 00.1–.66 50.42N 3.79E 5–0 3.1L,3.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=155.2.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=156.0.
UCC Event type ke.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=155.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VIII 09 14 18 55.8–.53 50.63N–.03 4.55E–.05 16–4 96 0-4
ISCJB VIII 09 14 18 54.6–.52 50.54N–.02 4.50E–.05 6–5 **¶11169770**
CSEM VIII 09 14 18 55.6–.27 50.63N 4.53E 10 2.5L
NEIC VIII 09 14 18 56.6 50.67N 4.56E 8 2.6L
LDG VIII 09 14 18 56.6–.05 50.67N 4.56E 8–0 2.7,2.6L
UCC VIII 09 14 18 56.6–.36 50.66N 4.57E 8–1 2.2L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=4.1km az=165.8.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=4.4km az=34.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=38.0.
UCC Event type ke.
ISC VIII 09 18 31 40.7–.45 50.62N–.02 4.50E–.03 18–2 143 0-6
ISCJB VIII 09 18 31 40.3–.48 50.66N–.03 4.46E–.05 23–4 **¶11169775**
CSEM VIII 09 18 31 40.8–.25 50.63N 4.54E 15 2.6L
LDG VIII 09 18 31 41.7–.15 50.65N 4.55E 9–0 2.8,2.7L
UCC VIII 09 18 31 41.1–.28 50.67N 4.57E 8–1 2.2L,2.7L
NEIC VIII 09 18 31 41.7 50.65N 4.55E 9 2.7L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.7km az=142.4.
CSEM Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=11.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=4.0.
UCC Event type ke.
NEIC Event type se. After LDG.
ISC IX 13 01 14 16.7–.36 50.55N–.02 4.50E–.02 11–2 269 0-8
ISCJB IX 13 01 14 14.9–.40 50.48N–.02 4.43E–.02 2–2 **¶11302722**
CSEM IX 13 01 14 16.5–.21 50.57N 4.49E 2 3.4L
LDG IX 13 01 14 17.5–.09 50.62N 4.59E 5–0 3.5,3.3L
UCC IX 13 01 14 17.2–.45 50.63N 4.58E 6–0 2.6L,3.3L
STR IX 13 01 14 24.1–.47 50.22N 4.63E 5–0 3.0L,3.3L
NEIC IX 13 01 14 24.1 50.22N 4.63E 5 3.3L,3.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=153.5.
CSEM Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=158.0.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=166.0.
UCC Event type ke.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type se. After STR.
ISC XII 20 20 53 08.1–.41 50.61N–.02 4.53E–.03 15–2 264 0-6
ISCJB XII 20 20 53 07.3–.45 50.52N–.02 4.42E–.03 11–2 **¶11538984**
CSEM XII 20 20 53 08.1–.17 50.61N 4.54E 12 2.8L
UCC XII 20 20 53 08.5–.51 50.63N 4.57E 6–1 2.4L
LDG XII 20 20 53 08.6–.05 50.67N 4.60E 2–0 2.8L,2.8
NEIC XII 20 20 53 08.6 50.67N 4.60E 2 2.8L,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=4.8.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=179.0.
UCC Event type ke.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=169.0.
NEIC Event type se. After LDG.
ISC XII 29 03 27 55.1–.52 50.59N–.03 4.53E–.03 19–2 111 0-6
ISCJB XII 29 03 27 54.2–.59 50.64N–.04 4.48E–.04 27–3 **¶11593946**
CSEM XII 29 03 27 54.3–.25 50.59N 4.51E 5 2.4L
LDG XII 29 03 27 55.4–.04 50.65N 4.57E 4–0 2.6,2.3L
UCC XII 29 03 27 55.5–.46 50.63N 4.57E 6–1 1.7L,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.1km s-min=4.2km az=166.6.
CSEM Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=171.0.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=172.0.
UCC Event type ke.

(542) Denmark.

ISC IX 17 16 22 30.4–.66 56.20N–.05 11.64E–.09 10 29 1-15
ISCJB IX 17 16 22 29.4–.59 56.27N–.04 11.78E–.08 10 **¶13394531**
CSEM IX 17 16 22 29.5–.37 56.25N 11.67E 5 2.5L
BER IX 17 16 22 32.2–5.1 56.25N 11.69E 0–27 2.2L
NAO IX 17 16 22 32.2–1.9 56.35N 11.42E 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.5km az=140.4.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=6.5km az=51.0.
BER Error ellipse: s-maj=28.9km s-min=82.0km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.0km az=-1.0.

(543) Germany.

ISC VII 23 03 33 13.4–.55 48.08N–.03 11.68E–.05 10 31 1-4
ISCJB VII 23 03 33 11.7–.58 48.11N–.03 11.69E–.05 10 **¶11342276**
VIE VII 23 03 33 12.9–.13 48.06N 11.69E 8–2 2.0L
CSEM VII 23 03 33 13.0–.16 48.08N 11.67E 2 2.6L
PRU VII 23 03 33 14.3 48.11N 11.65E 1 2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.1km az=35.5.
VIE Error ellipse: s-maj=1.3km s-min=0.9km az=134.0. 13 km SE of Munich .
CSEM Event type ke. Error ellipse: s-maj=4.6km s-min=2.1km az=127.0.
ISC IX 03 15 30 52.7–.25 47.04N–.02 9.44E–.02 12–3 162 0-4
ISCJB IX 03 15 30 51.9–.27 47.04N–.02 9.41E–.02 13–3 **¶11255521**
NEIC IX 03 15 30 52.5 47.05N 9.48E 7 2.5L,2.3L
ZUR IX 03 15 30 52.5 47.04N 9.47E 7–1 2.3L,2.3L
LDG IX 03 15 30 52.8–.08 47.04N 9.49E 2–0 2.5L,2.3L
VIE IX 03 15 30 52.1–.69 47.03N 9.39E 10–4 2.7L,1.6b
CSEM IX 03 15 30 52.4–.09 47.02N 9.45E 10 2.7L,1.6b
STR IX 03 15 30 54.3–.66 47.10N 9.41E 10–0 2.3L,1.6b
BGR IX 03 15 30 54.2–.70 47.10N 9.48E 10 2.2L,1.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=177.8.
NEIC Event type se. After ZUR.

ZUR Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=82.0.
VIE Error ellipse: s-maj=4.4km s-min=3.0km az=107.0. 5 km SW of Sargans .
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=165.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
BGR Event type ke. Error ellipse: s-maj=7.8km s-min=3.3km az=24.0.

ISC X 06 03 03 35.0–1.5 50.20N–.04 12.45E–.07 10–8 21 0-0
ISCJB X 06 03 03 34.8–1.5 50.20N–.04 12.45E–.07 11–7 ¶15220173
WBNET X 06 03 03 35.1 50.20N 12.45E 10 0.0L
PRU X 06 03 03 35.7 50.25N 12.47E 5 0.0L
ISCJB Error ellipse: s-maj=7.8km s-min=5.8km az=16.4.
PRU West Bohemia Swarm.

ISC X 06 03 04 52.6–.83 50.20N–.03 12.46E–.05 11–5 29 0-1
ISCJB X 06 03 04 52.1–.56 50.20N–.03 12.47E–.05 13–3 ¶11343993
PRU X 06 03 04 52.7 50.16N 12.40E 0
WBNET X 06 03 04 52.9 50.20N 12.45E 10 1.0L
ISCJB Error ellipse: s-maj=5.4km s-min=3.8km az=144.1.
PRU West Bohemia Swarm.

ISC X 06 03 07 15.6–1.7 50.20N–.03 12.46E–.06 10–9 20 0-0
ISCJB X 06 03 07 15.3–1.6 50.20N–.03 12.46E–.06 11–8 ¶15220171
WBNET X 06 03 07 15.7 50.20N 12.45E 10 0.0L
PRU X 06 03 07 16.6 50.26N 12.46E 4 0.0L
ISCJB Error ellipse: s-maj=7.0km s-min=5.6km az=165.5.
PRU West Bohemia Swarm.

ISC X 06 03 45 17.7–1.4 50.20N–.03 12.45E–.06 10–7 23 0-0
ISCJB X 06 03 45 17.4–1.4 50.20N–.03 12.45E–.06 10–7 ¶15220177
WBNET X 06 03 45 17.7 50.20N 12.45E 10 0.0L
PRU X 06 03 45 18.6 50.26N 12.47E 4 0.0L
ISCJB Error ellipse: s-maj=6.7km s-min=5.1km az=167.9.
PRU West Bohemia Swarm.

WBNET X 06 03 47 00.7 50.20N 12.46E 10 0.0L

¶15220204

ISC X 06 03 47 53.7–.47 50.20N–.02 12.47E–.03 12–3 101 0-3
ISCJB X 06 03 47 53.2–.36 50.20N–.02 12.49E–.03 13–2 ¶11344006
CSEM X 06 03 47 53.7–.07 50.20N 12.49E 10 2.1L
BGR X 06 03 47 53.9–.23 50.20N 12.45E 11–2 2.1L
WBNET X 06 03 47 54.3 50.20N 12.45E 10 2.0L
PRU X 06 03 47 54.7 50.24N 12.52E 3 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=168.2.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=66.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=101.0.
PRU West Bohemia Swarm.

WBNET X 06 03 48 02.8 50.20N 12.45E 10 1.0L

¶15220216

ISC X 06 03 51 00.9–1.4 50.20N–.03 12.45E–.06 10–7 23 0-0
ISCJB X 06 03 51 00.6–1.4 50.20N–.03 12.45E–.06 10–7 ¶15220220
WBNET X 06 03 51 00.9 50.20N 12.45E 10 0.0L
PRU X 06 03 51 01.5 50.26N 12.47E 6 0.0L
ISCJB Error ellipse: s-maj=6.7km s-min=5.2km az=167.8.
PRU West Bohemia Swarm.

ISC X 06 03 58 04.0–1.4 50.20N–.03 12.45E–.06 10–7 23 0-0
ISCJB X 06 03 58 03.8–1.4 50.20N–.03 12.45E–.06 10–7 ¶15220233
WBNET X 06 03 58 04.1 50.20N 12.45E 10 0.0L
PRU X 06 03 58 05.0 50.26N 12.46E 4 0.0L
ISCJB Error ellipse: s-maj=6.6km s-min=5.1km az=167.8.
PRU West Bohemia Swarm.

ISC X 06 03 59 00.5–.45 50.20N–.02 12.46E–.03 12–3 100 0-1
ISCJB X 06 03 59 00.1–.27 50.20N–.01 12.49E–.03 10 ¶11344015
CSEM X 06 03 59 00.4–.05 50.20N 12.47E 10 2.1L
WBNET X 06 03 59 01.0 50.21N 12.45E 10 1.0L
BGR X 06 03 59 00.6–.22 50.21N 12.44E 11–1 2.1L
PRU X 06 03 59 01.2 50.19N 12.43E 2 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=165.9.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=77.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=107.0.
PRU West Bohemia Swarm.

ISC X 06 04 01 19.2–.46 50.20N–.02 12.46E–.03 13–3 94 0-1
ISCJB X 06 04 01 18.7–.32 50.20N–.02 12.48E–.03 13–2 ¶11344017
CSEM X 06 04 01 19.3–.05 50.20N 12.47E 10 2.0L
WBNET X 06 04 01 19.8 50.21N 12.45E 10 1.0L
BGR X 06 04 01 19.4–.24 50.20N 12.45E 11–1 2.0L
PRU X 06 04 01 19.8 50.18N 12.43E 2 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=168.3.
CSEM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=87.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=111.0.
PRU West Bohemia Swarm.

WBNET X 06 04 01 31.8 50.21N 12.45E 10 1.0L
PRU X 06 04 01 32.0 50.20N 12.43E 4 1.0L ¶11344018
PRU West Bohemia Swarm.

WBNET X 06 04 01 50.1 50.20N 12.45E 10 0.0L

¶15220286

ISC X 06 04 08 11.2–1.4 50.20N–.03 12.45E–.06 10–8 22 0-0
ISCJB X 06 04 08 10.9–1.4 50.20N–.03 12.45E–.06 11–7 ¶15220313
WBNET X 06 04 08 11.2 50.20N 12.45E 10 0.0L
PRU X 06 04 08 12.1 50.26N 12.47E 4 0.0L
ISCJB Error ellipse: s-maj=7.0km s-min=5.1km az=167.6.
PRU West Bohemia Swarm.

WBNET X 06 04 08 12.0 50.20N 12.45E 10 0.0L

¶15220310

ISC X 06 04 09 17.3–1.5 50.20N–.03 12.45E–.06 10–8 22 0-0
ISCJB X 06 04 09 17.0–1.5 50.20N–.03 12.45E–.06 11–7 ¶15220306
WBNET X 06 04 09 17.4 50.21N 12.45E 10 0.0L
PRU X 06 04 09 17.8 50.26N 12.47E 6 0.0L
ISCJB Error ellipse: s-maj=6.7km s-min=5.3km az=165.8.
PRU West Bohemia Swarm.

ISC X 06 04 11 08.0–.92 50.20N–.03 12.45E–.05 9–5 27 0-1
ISCJB X 06 04 11 07.3–.58 50.20N–.03 12.46E–.05 12–3 ¶11344026
WBNET X 06 04 11 08.1 50.21N 12.45E 10 1.0L
PRU X 06 04 11 08.2 50.21N 12.42E 4 1.0L
ISCJB Error ellipse: s-maj=5.9km s-min=3.8km az=142.2.
PRU West Bohemia Swarm.

ISC X 06 04 12 12.1–.45 50.20N–.02 12.47E–.03 12–3 120 0-2
ISCJB X 06 04 12 11.6–.32 50.20N–.02 12.48E–.03 13–2 ¶11344027
WBNET X 06 04 12 12.7 50.20N 12.45E 10 1.0L
CSEM X 06 04 12 12.1–.07 50.20N 12.48E 10 2.3L
CLL X 06 04 12 12.9–.40 50N–1.0 12E–2.0 9–1 2.1L
BGR X 06 04 12 12.3–.25 50.20N 12.44E 11–1 2.3L
PRU X 06 04 12 13.3 50.23N 12.51E 2 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=67.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=116.0.
PRU West Bohemia Swarm.

ISC X 06 04 12 45.2–.95 50.20N–.03 12.45E–.05 10–5 27 0-1
ISCJB X 06 04 12 44.6–.58 50.20N–.03 12.47E–.05 12–3 ¶15220315
WBNET X 06 04 12 45.3 50.21N 12.45E 10 1.0L
PRU X 06 04 12 45.4 50.21N 12.41E 5 1.0L
ISCJB Error ellipse: s-maj=5.6km s-min=3.9km az=149.6.
PRU West Bohemia Swarm.

ISC X 06 04 50 59.3–1.6 50.20N–.03 12.45E–.06 10–8 21 0-0
ISCJB X 06 04 50 59.0–1.5 50.20N–.03 12.45E–.06 11–8 ¶15220336
WBNET X 06 04 50 59.4 50.20N 12.45E 10 0.0L
PRU X 06 04 50 59.0 50.19N 12.57E 0 0.0L
ISCJB Error ellipse: s-maj=6.9km s-min=5.5km az=167.1.
PRU West Bohemia Swarm.

ISC X 06 04 54 16.3–.46 50.20N–.02 12.46E–.03 12–3 100 0-1
ISCJB X 06 04 54 15.9–.28 50.20N–.01 12.49E–.03 10 ¶11344040
WBNET X 06 04 54 16.7 50.20N 12.45E 10 1.0L
CSEM X 06 04 54 16.2–.05 50.20N 12.47E 10 2.1L
BGR X 06 04 54 16.3–.24 50.21N 12.45E 11–1 2.1L
PRU X 06 04 54 17.2 50.20N 12.45E 3 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=166.7.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=78.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
PRU West Bohemia Swarm.

ISC X 06 04 55 28.1–1.4 50.20N–.03 12.45E–.06 9–7 23 0-0
ISCJB X 06 04 55 27.8–1.4 50.20N–.03 12.45E–.06 10–7 ¶15220365
WBNET X 06 04 55 28.1 50.20N 12.45E 10 0.0L
PRU X 06 04 55 28.5 50.22N 12.39E 4 0.0L
ISCJB Error ellipse: s-maj=6.6km s-min=5.1km az=167.7.
PRU West Bohemia Swarm.

WBNET X 06 09 21 13.5 50.21N 12.45E 10 0.0L
PRU X 06 09 21 14.3 50.25N 12.47E 5 0.0L ¶15669664
PRU West Bohemia Swarm.

ISC X 07 19 20 17.9–.44 50.20N–.02 12.48E–.03 13–3 101 0-3
VIE X 07 19 20 16.3–.59 50.25N 12.64E 10–8 2.0L ¶11344125
ISCJB X 07 19 20 17.4–.33 50.20N–.01 12.50E–.03 12–2 2.0L
CSEM X 07 19 20 17.9–.07 50.20N 12.49E 10 2.0L
WBNET X 07 19 20 18.6 50.21N 12.45E 10 2.0L
PRU X 07 19 20 18.8 50.20N 12.47E 3 2.0L
BGR X 07 19 20 18.1–.23 50.21N 12.46E 11–1 2.1L
ISC Event type ke.
VIE Error ellipse: s-maj=9.8km s-min=2.2km az=51.0. 13 km E of Klingenthal .
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=172.3.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=78.0.
PRU West Bohemia Swarm-felt.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=105.0.

WBNET X 07 19 22 03.5 50.21N 12.45E 10 0.0L
PRU X 07 19 22 03.6 50.17N 12.35E 0 0.0L ¶15220677
PRU West Bohemia Swarm.

WBNET X 07 19 22 12.5 50.21N 12.45E 10 0.0L
PRU X 07 19 22 13.1 50.21N 12.39E 3 0.0L ¶15220674
PRU West Bohemia Swarm.

WBNET X 07 19 44 27.6 50.21N 12.45E 10 0.0L

¶15220694

WBNET X 07 19 44 42.7 50.21N 12.45E 10 0.0L
PRU X 07 19 44 40.9 50.17N 12.61E 0 0.0L ¶15220691
PRU West Bohemia Swarm.

WBNET X 07 19 45 56.5 50.21N 12.45E 10 0.0L
PRU X 07 19 45 57.0 50.21N 12.38E 3 0.0L ¶15220689
PRU West Bohemia Swarm.

WBNET X 07 19 48 24.3 50.21N 12.45E 10 0.0L
PRU X 07 19 48 25.0 50.21N 12.39E 3 0.0L ¶15220709
PRU West Bohemia Swarm.

WBNET X 07 19 59 24.8 50.21N 12.44E 10 0.0L

¶15220729

WBNET X 07 23 47 20.2 50.20N 12.46E 10 1.0L

¶15221128

WBNET X 07 23 49 07.2 50.20N 12.46E 10 1.0L

¶15509405

ISC X 07 23 49 08.0–.47 50.21N–.02 12.47E–.03 11–3 96 0-3
VIE X 07 23 49 06.5–.38 50.13N 12.36E 8–0 2.2L,1.9b ¶11344171
CSEM X 07 23 49 07.9–.06 50.20N 12.47E 10 2.2L,1.9b
ISCJB X 07 23 49 07.3–.35 50.20N–.02 12.50E–.03 12–2 2.2L,1.9b
WBNET X 07 23 49 08.5 50.21N 12.45E 10 1.0L,1.9b
PRU X 07 23 49 08.4 50.17N 12.45E 1 1.0L,1.9b
BGR X 07 23 49 08.1–.27 50.21N 12.44E 11–2 2.1L,1.9b
ISC Event type ke.
VIE Error ellipse: s-maj=5.2km s-min=2.0km az=62.0. 13 km SSW of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=168.4.
PRU West Bohemia Swarm.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=99.0.

ISC X 07 23 49 32.5–.48 50.20N–.02 12.47E–.03 12–3 88 0-3
ISCJB X 07 23 49 32.0–.33 50.20N–.02 12.48E–.03 13–2 ¶11344172
CSEM X 07 23 49 32.6–.06 50.20N 12.47E 10 2.9L
BGR X 07 23 49 32.6–.27 50.21N 12.46E 12–2 2.1L
WBNET X 07 23 49 33.1 50.21N 12.45E 10 2.0L
PRU X 07 23 49 33.2 50.18N 12.44E 2 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=163.0.
CSEM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=100.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=110.0.
PRU West Bohemia Swarm.

WBNET X 07 23 51 01.6 50.20N 12.46E 10 0.0L

¶15509404

WBNET X 07 23 51 03.7 50.20N 12.46E 10 0.0L

¶15221158

WBNET X 07 23 52 18.6 50.21N 12.45E 10 0.0L

¶15509406

ISC X 07 23 52 23.9–.67 50.20N–.02 12.46E–.04 13–4 44 0-3
ISCJB X 07 23 52 23.7–.34 50.21N–.02 12.52E–.03 10 ¶11344173
CSEM X 07 23 52 23.6–.18 50.19N 12.44E 12 2.7L
VIE X 07 23 52 23.5–.70 50.16N 12.42E 9–10 2.0L
WBNET X 07 23 52 24.6 50.21N 12.45E 10 1.0L
PRU X 07 23 52 25.0 50.19N 12.45E 2 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=38.3.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=63.0.
VIE Error ellipse: s-maj=13.3km s-min=2.3km az=52.0. 8 km SSW of Klingenthal .
PRU West Bohemia Swarm.

ISC X 07 23 52 46.4–.52 50.21N–.02 12.49E–.03 11–4 73 0-3
ISCJB X 07 23 52 45.9–.43 50.21N–.02 12.50E–.03 12–3 ¶11344174
WBNET X 07 23 52 46.8 50.21N 12.45E 10 2.0L
CSEM X 07 23 52 46.6–.06 50.21N 12.48E 8 3.0L
BGR X 07 23 52 46.5–.46 50.21N 12.46E 11–2 2.3L
PRU X 07 23 52 47.1 50.19N 12.45E 2 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.0km az=161.1.
CSEM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=77.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=128.0.
PRU West Bohemia Swarm.

WBNET X 07 23 52 48.5 50.21N 12.45E 10 1.0L

¶15221147

WBNET X 07 23 53 57.9 50.20N 12.46E 10 0.0L

¶15669665

WBNET X 07 23 53 59.1 50.20N 12.46E 10 0.0L

¶15221175

WBNET X 07 23 54 00.0 50.20N 12.46E 10 1.0L
PRU X 07 23 54 00.4 50.19N 12.45E 2 1.0L ¶15221179
PRU West Bohemia Swarm.

WBNET X 07 23 54 19.6 50.21N 12.45E 10 0.0L

¶15221194

ISC X 07 23 54 20.5–.79 50.20N–.03 12.46E–.05 9–5 27 0-1
ISCJB X 07 23 54 20.0–.45 50.20N–.03 12.49E–.04 10 ¶11344176
PRU X 07 23 54 20.7 50.19N 12.45E 1
WBNET X 07 23 54 20.5 50.21N 12.46E 10 1.0L
CSEM X 07 23 54 20.7 50.19N 12.45E 1 1.0L
ISCJB Error ellipse: s-maj=4.6km s-min=3.5km az=30.4.
PRU West Bohemia Swarm.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.

WBNET X 07 23 54 26.9 50.20N 12.46E 10 0.0L

¶15509407

WBNET X 07 23 54 54.2 50.20N 12.46E 10 0.0L

¶15221212

WBNET X 07 23 54 55.6 50.20N 12.46E 10 0.0L

¶15221209

WBNET X 07 23 55 39.6 50.20N 12.46E 10 0.0L

WBNET X 07 23 55 42.2 50.20N 12.46E 10 0.0L ¶15221223

WBNET X 07 23 58 25.1 50.20N 12.46E 10 0.0L ¶15221220

WBNET X 07 23 58 46.0 50.20N 12.46E 10 0.0L ¶15221256
PRU X 07 23 58 46.1 50.19N 12.44E 3 0.0L ¶11344177
PRU West Bohemia Swarm.
WBNET X 07 23 58 51.6 50.20N 12.46E 10 1.0L
PRU X 07 23 58 51.3 50.20N 12.42E 6 1.0L ¶15229228
PRU West Bohemia Swarm.
WBNET X 07 23 58 52.5 50.20N 12.46E 10 1.0L ¶15611939

WBNET X 07 23 59 40.1 50.20N 12.45E 10 0.0L ¶15221255

WBNET X 07 23 59 41.1 50.20N 12.46E 10 0.0L ¶15221252

ISC X 08 00 00 39.3–.47 50.20N–.02 12.46E–.03 12–3 90 0-1 ¶11344179
ISCJB X 08 00 00 38.7–.39 50.20N–.02 12.48E–.03 13–3
CSEM X 08 00 00 39.3–.06 50.20N 12.48E 10 2.1L
BGR X 08 00 00 39.5–.22 50.21N 12.45E 11–1 2.1L
PRU X 08 00 00 39.9 50.17N 12.40E 1 2.1L
WBNET X 08 00 00 39.8 50.20N 12.46E 10 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=164.5.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=74.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=106.0.
PRU West Bohemia Swarm.
WBNET X 08 00 01 26.1 50.21N 12.45E 10 0.0L ¶15611940

WBNET X 08 00 01 26.9 50.21N 12.45E 10 1.0L
PRU X 08 00 01 26.8 50.15N 12.39E 0 1.0L ¶15221350
PRU West Bohemia Swarm.
WBNET X 08 00 01 44.4 50.21N 12.45E 10 0.0L ¶15221358

ISC X 08 00 01 52.7–.48 50.20N–.02 12.46E–.03 11–3 83 0-3 ¶11344181
ISCJB X 08 00 01 52.2–.31 50.19N–.02 12.49E–.03 10
BGR X 08 00 01 52.7–.24 50.20N 12.45E 11–1 2.1L
CSEM X 08 00 01 52.6–.04 50.20N 12.47E 10 2.1L
PRU X 08 00 01 53.4 50.17N 12.42E 1 2.1L
WBNET X 08 00 01 53.0 50.20N 12.46E 10 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=155.7.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
CSEM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=79.0.
PRU West Bohemia Swarm.
WBNET X 08 00 02 24.4 50.20N 12.46E 10 1.0L
PRU X 08 00 02 24.7 50.19N 12.40E 3 1.0L ¶15221382
PRU West Bohemia Swarm.
WBNET X 08 00 02 27.5 50.20N 12.46E 10 1.0L ¶15611941

WBNET X 08 00 02 37.5 50.20N 12.46E 10 0.0L ¶15221370

WBNET X 08 00 02 39.4 50.20N 12.46E 10 1.0L
PRU X 08 00 02 39.2 50.15N 12.37E 0 1.0L ¶11344183
PRU West Bohemia Swarm.
WBNET X 08 00 02 49.8 50.21N 12.46E 10 0.0L ¶15221365

WBNET X 08 00 03 24.5 50.21N 12.46E 10 1.0L
PRU X 08 00 03 24.8 50.20N 12.41E 3 1.0L ¶11344184
PRU West Bohemia Swarm.
WBNET X 08 00 03 28.2 50.21N 12.46E 10 0.0L ¶15221391

WBNET X 08 00 03 33.6 50.20N 12.46E 10 0.0L ¶15221386

WBNET X 08 00 03 38.2 50.20N 12.46E 10 0.0L ¶15221385

WBNET X 08 00 03 54.9 50.21N 12.46E 10 0.0L ¶15221395

WBNET X 08 00 03 57.0 50.20N 12.46E 10 0.0L ¶15221408

WBNET X 08 00 04 13.4 50.21N 12.45E 10 1.0L ¶15221399

WBNET X 08 00 05 10.6 50.20N 12.46E 10 1.0L
PRU X 08 00 05 10.9 50.19N 12.41E 3 1.0L ¶11344185
PRU West Bohemia Swarm.
WBNET X 08 00 06 10.7 50.20N 12.46E 10 1.0L
PRU X 08 00 06 10.9 50.19N 12.41E 3 1.0L ¶11344186
PRU West Bohemia Swarm.
WBNET X 08 00 06 18.3 50.21N 12.46E 10 0.0L ¶15221435

WBNET X 08 00 06 34.4 50.20N 12.46E 10 0.0L ¶11344187

WBNET X 08 00 06 41.8 50.20N 12.46E 10 0.0L
PRU X 08 00 06 42.1 50.19N 12.41E 3 0.0L ¶15221446
PRU West Bohemia Swarm.
WBNET X 08 00 07 36.5 50.20N 12.46E 10 0.0L
PRU X 08 00 07 36.6 50.19N 12.40E 4 0.0L ¶11344188
PRU West Bohemia Swarm.
WBNET X 08 00 08 34.8 50.20N 12.46E 10 1.0L
PRU X 08 00 08 34.9 50.18N 12.40E 2 1.0L ¶11344189
PRU West Bohemia Swarm.
WBNET X 08 00 08 58.3 50.20N 12.46E 10 1.0L
PRU X 08 00 08 58.6 50.18N 12.41E 2 1.0L ¶11344190
PRU West Bohemia Swarm.
WBNET X 08 00 09 32.5 50.21N 12.46E 10 0.0L ¶15221459

WBNET X 08 00 12 37.2 50.20N 12.46E 10 1.0L
PRU X 08 00 12 37.5 50.19N 12.41E 4 1.0L ¶11344191
PRU West Bohemia Swarm.
ISC X 08 00 14 40.4–.43 50.21N–.02 12.46E–.03 12–3 120 0-3
ISCJB X 08 00 14 39.8–.30 50.20N–.01 12.48E–.03 13–2 ¶11344192
VIE X 08 00 14 39.9–.45 50.18N 12.45E 9–4 2.4L
BGR X 08 00 14 40.5–.22 50.21N 12.45E 11–1 2.3L
WBNET X 08 00 14 40.9 50.21N 12.45E 10 2.0L
CSEM X 08 00 14 40.3–.07 50.20N 12.47E 10 2.9L
CLL X 08 00 14 41.2–.35 50N–1.0 12E–2.0 9–1 2.0L
PRU X 08 00 14 41.0 50.18N 12.39E 3 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=160.4.
VIE Error ellipse: s-maj=8.2km s-min=1.4km az=52.0. 6 km S of Klingenthal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=106.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=73.0.
PRU West Bohemia Swarm.
ISC X 08 00 16 41.5–.46 50.21N–.02 12.45E–.03 12–3 97 0-3
VIE X 08 00 16 40.8–.83 50.18N 12.46E 11–7 2.1L ¶11344193
ISCJB X 08 00 16 41.1–.27 50.20N–.01 12.49E–.03 10 2.1L
BGR X 08 00 16 41.6–.24 50.21N 12.44E 12–1 2.0L
CSEM X 08 00 16 41.4–.05 50.21N 12.46E 12 2.7L
PRU X 08 00 16 42.1 50.18N 12.39E 2 2.7L
WBNET X 08 00 16 42.0 50.21N 12.45E 10 1.0L
ISC Event type ke.
VIE Error ellipse: s-maj=14.2km s-min=2.5km az=52.0. 5 km S of Klingenthal .
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.1km az=162.8.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=76.0.
PRU West Bohemia Swarm.
WBNET X 08 00 56 10.4 50.20N 12.45E 10 1.0L
VIE X 08 00 56 09.1–.45 50.19N 12.48E 12–3 1.9L ¶11344210
CSEM X 08 00 56 09.0–.34 50.22N 12.40E 15 2.4L
PRU X 08 00 56 10.6 50.19N 12.41E 3 2.4L
VIE Error ellipse: s-maj=7.7km s-min=1.3km az=52.0. 5 km SSE of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=5.6km az=66.0.
PRU West Bohemia Swarm.
WBNET X 08 00 56 24.2 50.20N 12.45E 10 0.0L ¶15261195

ISC X 08 00 56 34.5–1.1 50.20N–.03 12.45E–.05 10–6 26 0-1
ISCJB X 08 00 56 33.9–.66 50.20N–.03 12.46E–.05 12–4 ¶11344211
WBNET X 08 00 56 34.5 50.20N 12.45E 10 1.0L
PRU X 08 00 56 34.8 50.20N 12.41E 5 1.0L
ISCJB Error ellipse: s-maj=6.1km s-min=4.2km az=149.9.
PRU West Bohemia Swarm.
WBNET X 08 00 58 27.8 50.20N 12.46E 10 1.0L
PRU X 08 00 58 28.0 50.19N 12.41E 4 1.0L ¶11344212
PRU West Bohemia Swarm.
WBNET X 08 00 59 04.8 50.20N 12.46E 10 0.0L ¶15261194

ISC X 08 00 59 45.6–.67 50.21N–.02 12.45E–.05 11–4 40 0-3
ISCJB X 08 00 59 45.0–.40 50.20N–.02 12.47E–.04 13–2 ¶11344213
VIE X 08 00 59 44.9–.68 50.17N 12.45E 10–7 2.0L
CSEM X 08 00 59 44.6–.27 50.20N 12.40E 15 2.0L
WBNET X 08 00 59 46.0 50.21N 12.45E 10 1.0L
PRU X 08 00 59 46.2 50.18N 12.40E 2 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=147.1.
VIE Error ellipse: s-maj=11.8km s-min=2.1km az=52.0. 6 km S of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=4.3km az=66.0.
PRU West Bohemia Swarm.
ISC X 08 01 02 53.8–.42 50.21N–.02 12.46E–.03 12–3 126 0-3
CSEM X 08 01 02 53.7–.07 50.20N 12.47E 10 2.9L ¶11344214
VIE X 08 01 02 53.1–.64 50.18N 12.46E 11–5 2.5L
BGR X 08 01 02 53.9–.23 50.20N 12.45E 11–1 2.4L
ISCJB X 08 01 02 53.1–.32 50.20N–.01 12.48E–.03 13–2 2.4L
PRU X 08 01 02 54.4 50.16N 12.39E 0 2.4L
CLL X 08 01 02 54.6–.34 50N–1.0 12E–2.0 8–1 2.0L
WBNET X 08 01 02 54.3 50.21N 12.45E 10 1.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=86.0.
VIE Error ellipse: s-maj=11.0km s-min=1.9km az=52.0. 5 km S of Klingenthal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=177.1.
PRU West Bohemia Swarm.
WBNET X 08 01 04 03.5 50.21N 12.45E 10 1.0L ¶15261196

WBNET X 08 01 04 13.7 50.21N 12.45E 10 1.0L ¶15221630

ISC X 08 01 04 19.0–.54 50.21N–.02 12.46E–.03 13–3 89 0-3
ISCJB X 08 01 04 18.5–.34 50.21N–.02 12.49E–.03 13–2 ¶11344215
CLL X 08 01 04 19.9–.36 50N–1.0 12E–2.0 9–1 2.1L
PRU X 08 01 04 19.7 50.18N 12.41E 2 2.1L
WBNET X 08 01 04 19.7 50.21N 12.45E 10 2.0L
BGR X 08 01 04 19.1–.36 50.21N 12.47E 11–2 2.5L
CSEM X 08 01 04 19.1–.07 50.20N 12.47E 10 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=143.1.
PRU West Bohemia Swarm.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=89.0.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=58.0.
WBNET X 08 01 04 18.3 50.21N 12.45E 10 1.0L ¶15221635

ISC X 08 01 04 37.1–.22 50.17N–.01 12.41E–.02 10 223 0-7
VIE X 08 01 04 34.8–.43 50.25N 12.67E 10–0 3.0L,2.1b ¶11344216
ISCJB X 08 01 04 36.6–.27 50.15N–.01 12.42E–.03 10 3.0L,2.1b
WBNET X 08 01 04 37.0 50.21N 12.45E 10 1.0L,2.1b
CSEM X 08 01 04 36.8–.16 50.16N 12.42E 15 3.4L,2.1b
BGR X 08 01 04 37.7–.29 50.21N 12.45E 12–3 2.8L,2.1b
PRU X 08 01 04 38.2 50.17N 12.41E 2 2.8L,2.1b
CLL X 08 01 04 38.6–.37 50N–1.0 12E–2.0 8–1 2.4L,2.1b
NEIC X 08 01 04 38.3 50.22N 12.44E 10 2.8L,2.5L
LDG X 08 01 04 38.1–.06 50.21N 12.45E 10–0 3.3L,2.5L
ISC Event type ke.
VIE Error ellipse: s-maj=4.5km s-min=2.0km az=33.0. 15 km E of Klingenthal .
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=168.4.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=122.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=108.0.
PRU West Bohemia Swarm.
NEIC Event type se. After SZGRF.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=111.0.
WBNET X 08 01 11 33.6 50.21N 12.46E 10 1.0L
PRU X 08 01 11 33.8 50.20N 12.40E 4 1.0L ¶15221976
PRU West Bohemia Swarm.
WBNET X 08 01 14 49.8 50.21N 12.45E 10 1.0L
PRU X 08 01 14 50.0 50.20N 12.41E 4 1.0L ¶11344219
PRU West Bohemia Swarm.
ISC X 08 01 15 10.8–.46 50.20N–.02 12.46E–.03 12–3 86 0-1
ISCJB X 08 01 15 10.4–.28 50.20N–.02 12.49E–.03 10 ¶11344220
CSEM X 08 01 15 10.7–.05 50.20N 12.46E 10 2.1L
BGR X 08 01 15 10.7–.26 50.20N 12.46E 11–1 2.1L
WBNET X 08 01 15 11.2 50.20N 12.46E 10 1.0L
PRU X 08 01 15 11.5 50.17N 12.40E 1 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=164.5.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=72.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
PRU West Bohemia Swarm.
WBNET X 08 01 17 09.2 50.20N 12.46E 10 0.0L
PRU X 08 01 17 09.3 50.22N 12.41E 7 0.0L ¶15221707
PRU West Bohemia Swarm.
WBNET X 08 01 17 27.7 50.20N 12.46E 10 1.0L
PRU X 08 01 17 27.9 50.19N 12.40E 3 1.0L ¶11344222
PRU West Bohemia Swarm.
WBNET X 08 01 18 00.5 50.20N 12.46E 10 1.0L
PRU X 08 01 18 00.8 50.19N 12.41E 4 1.0L ¶11344224
PRU West Bohemia Swarm.
ISC X 08 01 27 12.0–.29 50.20N–.01 12.47E–.02 15–2 176 0-6
VIE X 08 01 27 10.7–.70 50.23N 12.60E 14–6 2.5L ¶11344226
ISCJB X 08 01 27 11.7–.27 50.19N–.01 12.50E–.02 13–2 2.5L
BGR X 08 01 27 12.7–.24 50.21N 12.45E 12–2 2.5L
CSEM X 08 01 27 12.2–.06 50.19N 12.49E 12 3.0L
LDG X 08 01 27 12.7–.04 50.20N 12.45E 10–0 2.6L
NEIC X 08 01 27 13.1 50.22N 12.44E 10 2.7L,2.4L
WBNET X 08 01 27 13.1 50.20N 12.45E 10 2.0L,2.4L
CLL X 08 01 27 13.3–.37 50N–1.0 12E–2.0 9–1 2.3L,2.4L
PRU X 08 01 27 13.5 50.20N 12.52E 0 2.3L,2.4L
ISC Event type ke.
VIE Error ellipse: s-maj=10.4km s-min=2.4km az=49.0. 10 km E of Klingenthal .
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=18.5.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=1.2km s-min=1.2km az=152.0.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=137.0.
NEIC Event type se. After SZGRF.
PRU West Bohemia Swarm.
WBNET X 08 01 30 14.1 50.20N 12.46E 10 1.0L
PRU X 08 01 30 14.1 50.17N 12.41E 2 1.0L ¶11344227
PRU West Bohemia Swarm.
WBNET X 08 02 18 37.2 50.20N 12.46E 10 1.0L
PRU X 08 02 18 37.6 50.17N 12.39E 0 1.0L ¶11344232
PRU West Bohemia Swarm.
WBNET X 08 02 18 51.9 50.20N 12.46E 10 0.0L ¶15261197

WBNET X 08 02 29 17.6 50.21N 12.45E 10 1.0L
PRU X 08 02 29 17.6 50.16N 12.38E 0 1.0L ¶15221749

PRU West Bohemia Swarm.
ISC X 08 02 32 07.3–.37 50.21N–.01 12.47E–.03 12–3 149 0-6
LDG X 08 02 32 03.3–.31 50.27N 12.42E 10–0 2.7L ¶11344234
CSEM X 08 02 32 05.1–.19 50.18N 12.27E 27–2 3.0L
ISCJB X 08 02 32 06.8–.25 50.19N–.01 12.51E–.02 10 3.0L
VIE X 08 02 32 06.0–.64 50.23N 12.57E 12–5 2.6L
PRU X 08 02 32 07.9 50.16N 12.38E 0 2.6L
BGR X 08 02 32 07.5–.22 50.21N 12.45E 11–2 2.5L
NEIC X 08 02 32 07.9 50.16N 12.38E 0 2.7L,2.6L
WBNET X 08 02 32 07.9 50.21N 12.45E 10 2.0L,2.6L
CLL X 08 02 32 08.2–.38 50N–1.0 12E–2.0 8–1 2.1L,2.6L
ISC Event type ke.
LDG Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
VIE 8 km E of Klingenthal .
PRU West Bohemia Swarm.
BGR Event type ke.
NEIC Event type se. After PRU.
WBNET X 08 02 32 41.9 50.21N 12.45E 10 1.0L
PRU X 08 02 32 42.0 50.18N 12.39E 0 1.0L ¶15221748
PRU West Bohemia Swarm.
WBNET X 08 02 33 47.3 50.20N 12.46E 10 1.0L
PRU X 08 02 33 47.7 50.17N 12.39E 0 1.0L ¶11344236
PRU West Bohemia Swarm.
WBNET X 08 02 36 17.2 50.20N 12.45E 10 0.0L
¶15261198
ISC X 08 02 36 22.3–.43 50.21N–.02 12.46E–.03 12–3 103 0-3
ISCJB X 08 02 36 21.6–.32 50.19N–.01 12.50E–.03 13–2 ¶11344237
VIE X 08 02 36 21.1–.50 50.21N 12.53E 13–3 2.1L,2.0b
BGR X 08 02 36 22.4–.22 50.20N 12.45E 11–1 2.1L,2.0b
WBNET X 08 02 36 22.8 50.20N 12.45E 10 2.0L,2.0b
CSEM X 08 02 36 22.2–.05 50.20N 12.46E 12 2.6L,2.0b
PRU X 08 02 36 23.1 50.17N 12.40E 0 2.6L,2.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=168.0.
VIE Error ellipse: s-maj=8.1km s-min=1.8km az=50.0. 6 km ESE of Klingenthal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=106.0.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=76.0.
PRU West Bohemia Swarm.
WBNET X 08 02 36 24.5 50.21N 12.44E 10 1.0L
¶15221760
WBNET X 08 02 36 34.1 50.21N 12.45E 10 1.0L
PRU X 08 02 36 33.9 50.15N 12.40E 0 1.0L ¶15221759
PRU West Bohemia Swarm.
ISC X 08 16 55 00.3–.42 50.21N–.01 12.47E–.03 12–3 108 0-3
ISCJB X 08 16 54 59.7–.33 50.20N–.01 12.49E–.03 13–2 ¶11344268
VIE X 08 16 54 59.7–.67 50.15N 12.41E 6–12 2.2L,1.9b
WBNET X 08 16 55 00.9 50.21N 12.45E 10 2.0L,1.9b
CSEM X 08 16 55 00.3–.05 50.20N 12.47E 10 2.9L,1.9b
BGR X 08 16 55 00.4–.24 50.21N 12.45E 11–2 2.1L,1.9b
PRU X 08 16 55 01.4 50.20N 12.45E 1 2.1L,1.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=173.7.
VIE Error ellipse: s-maj=14.4km s-min=2.4km az=52.0. 10 km SSW of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=71.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
PRU West Bohemia Swarm.
WBNET X 08 17 24 56.1 50.21N 12.46E 10 0.0L
PRU X 08 17 24 55.8 50.19N 12.54E 0 0.0L ¶11344272
PRU West Bohemia Swarm.
WBNET X 08 17 24 57.8 50.21N 12.46E 10 1.0L
¶15509408
WBNET X 08 17 26 04.5 50.21N 12.44E 10 0.0L
¶15221922
WBNET X 08 17 26 07.3 50.21N 12.46E 10 0.0L
PRU X 08 17 26 07.9 50.19N 12.47E 0 0.0L ¶11344273
PRU West Bohemia Swarm.
ISC X 08 17 29 51.5–.86 50.21N–.03 12.45E–.05 12–5 36 0-1
ISCJB X 08 17 29 51.1–.53 50.22N–.03 12.49E–.04 12–3 ¶11344274
CSEM X 08 17 29 51.7–.34 50.16N 12.45E 5
PRU X 08 17 29 52.6 50.20N 12.47E 0
WBNET X 08 17 29 52.1 50.21N 12.44E 10 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.1km s-min=3.8km az=137.6.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=5.0km az=60.0.
PRU West Bohemia Swarm.
WBNET X 08 17 29 56.1 50.21N 12.44E 10 1.0L
¶15509409
WBNET X 08 17 30 00.7 50.21N 12.46E 10 0.0L
¶15261199
WBNET X 08 17 31 20.0 50.21N 12.46E 10 1.0L
PRU X 08 17 31 20.5 50.20N 12.48E 0 1.0L ¶11344275
PRU West Bohemia Swarm.
WBNET X 08 17 33 10.4 50.21N 12.46E 10 1.0L
CSEM X 08 17 33 10.9 50.19N 12.45E 0 1.0L ¶15221936
PRU X 08 17 33 10.9 50.19N 12.45E 0 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
WBNET X 08 17 33 14.5 50.21N 12.46E 10 0.0L
¶15611942
WBNET X 08 18 14 27.3 50.20N 12.46E 10 0.0L
PRU X 08 18 14 28.1 50.25N 12.47E 4 0.0L ¶15221931
PRU West Bohemia Swarm.
ISC X 08 23 00 41.5–.19 47.04N–.01 9.44E–.01 14–1 333 0-5
ISCJB X 08 23 00 40.4–.20 47.03N–.01 9.44E–.02 11–2 ¶11339769
GEN X 08 23 00 40.7 47.10N 9.47E 0 2.1L
VIE X 08 23 00 41.6–.14 47.05N 9.48E 5–1 2.7L,2.0b
ZUR X 08 23 00 41.5 47.05N 9.48E 7–1 2.4L,2.0b
NEIC X 08 23 00 41.5 47.05N 9.48E 7 2.6L,2.4L
CSEM X 08 23 00 41.3–.09 47.03N 9.46E 15 2.8L,2.4L
BGR X 08 23 00 42.4–.87 47.09N 9.42E 10 2.3L,2.4L
LDG X 08 23 00 42.1–.09 47.06N 9.49E 7–0 2.9,2.6L
ROM X 08 23 00 43.6–.75 46.94N 9.51E 10–0 2.5,1.9L
PRU X 08 23 00 43.0 47.12N 9.49E 9 2.5,1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=174.7.
VIE Error ellipse: s-maj=0.9km s-min=0.6km az=103.0. 3 km ESE of Sargans .
NEIC Event type se. After ZUR.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.6km az=166.0.
BGR Event type ke. Error ellipse: s-maj=14.5km s-min=5.6km az=17.0.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=129.0.
ROM Event type ke. Error ellipse: s-maj=8.9km s-min=3.7km az=159.0.
WBNET X 09 01 06 41.8 50.21N 12.44E 10 0.0L
¶15222057
ISC X 09 21 53 46.3–.32 50.21N–.01 12.45E–.02 15–2 163 0-6
ISCJB X 09 21 53 45.9–.28 50.20N–.01 12.50E–.03 13–2 ¶11345829
VIE X 09 21 53 45.7–.32 50.21N 12.51E 12–2 2.7L
BGR X 09 21 53 46.8–.22 50.21N 12.45E 11–2 2.6L
CSEM X 09 21 53 46.2–.09 50.20N 12.45E 15 3.1L
LDG X 09 21 53 46.2–.16 50.23N 12.40E 10–0 2.7L
WBNET X 09 21 53 47.3 50.21N 12.45E 10 2.0L
CLL X 09 21 53 47.5–.37 50N–1.0 12E–2.0 9–1 2.3L
NEIC X 09 21 53 47.8 50.22N 12.50E 2 2.7L,2.7L
PRU X 09 21 53 47.8 50.22N 12.50E 2 2.7L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=0.7.
VIE Error ellipse: s-maj=5.5km s-min=1.4km az=50.0. 5 km ESE of Klingenthal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=92.0.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.1km az=148.0.
NEIC Event type se. After PRU.
PRU West Bohemia Swarm.
WBNET X 09 21 54 05.5 50.21N 12.45E 10 1.0L
¶15222093
WBNET X 09 21 56 37.9 50.21N 12.45E 10 1.0L
¶15222107
WBNET X 09 22 05 53.0 50.21N 12.46E 10 1.0L
PRU X 09 22 05 53.0 50.19N 12.40E 2 1.0L ¶15222109
PRU West Bohemia Swarm.
WBNET X 09 22 06 54.5 50.21N 12.46E 10 1.0L
PRU X 09 22 06 54.7 50.20N 12.41E 4 1.0L ¶11345831
PRU West Bohemia Swarm.
WBNET X 09 22 09 12.2 50.21N 12.46E 10 1.0L
PRU X 09 22 09 12.5 50.20N 12.44E 3 1.0L ¶11345832
PRU West Bohemia Swarm.
WBNET X 09 22 11 41.5 50.21N 12.46E 10 1.0L
PRU X 09 22 11 41.8 50.21N 12.45E 3 1.0L ¶11345833
PRU West Bohemia Swarm.
ISC X 09 22 15 54.1–.29 50.21N–.01 12.45E–.02 15–2 174 0-6
CSEM X 09 22 15 53.9–.13 50.20N 12.46E 15 3.1L ¶11345834
ISCJB X 09 22 15 53.7–.27 50.20N–.01 12.49E–.02 13–2 3.1L
VIE X 09 22 15 53.5–.46 50.23N 12.56E 11–4 3.0L,2.1b
LDG X 09 22 15 54.3–.17 50.22N 12.40E 10–0 2.9L,2.1b
BGR X 09 22 15 54.7–.22 50.21N 12.45E 11–1 2.6L,2.1b
PRU X 09 22 15 55.5 50.22N 12.52E 1 2.6L,2.1b
WBNET X 09 22 15 55.1 50.21N 12.45E 10 2.0L,2.1b
NEIC X 09 22 15 55.5 50.22N 12.52E 1 2.9L,2.6L
CLL X 09 22 15 55.4–.37 50N–1.0 12E–2.0 9–1 2.3L,2.6L
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
VIE 8 km E of Klingenthal .
LDG Event type ke.
BGR Event type ke.
PRU West Bohemia Swarm.
NEIC Event type se. After PRU.
WBNET X 09 22 20 30.6 50.21N 12.46E 10 0.0L
¶15229184
WBNET X 09 22 20 34.1 50.21N 12.45E 10 2.0L
¶15222119
ISC X 09 22 20 37.0–.16 50.210N–.01 12.47E–.02 10 461 0-10
LDG X 09 22 20 33.9–.19 50.20N 12.41E 10–0 3.8L ¶13987995
CLL X 09 22 20 34.3–.41 50N–1.0 12E–2.0 8–1 3.1L
NEIC X 09 22 20 35.3 50.23N 12.55E 5 3.5L,3.4L
VIE X 09 22 20 36.7–.23 50.18N 12.42E 11–1 3.7L,2.7b
CSEM X 09 22 20 36.6–.10 50.22N 12.47E 19–0 4.2L,2.7b
BGR X 09 22 20 37.0–.23 50.22N 12.44E 11–2 3.8L,2.7b
ISCJB X 09 22 20 36.1–.16 50.166N–.01 12.44E–.02 10 3.8L,2.7b
WBNET X 09 22 20 37.9 50.22N 12.45E 10 3.0L,2.7b
BNS X 09 22 20 37.7–.27 50.16N 12.35E 5 3.3L,2.7b
PRU X 09 22 20 38.4 50.25N 12.53E 1 3.3L,2.7b
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=3.1km az=159.0.
NEIC Event type fe. Felt in the Sokolov-Karlovy Vary area. Also felt in the Auerbach-Selb area, Germany. After CSEM.
VIE Error ellipse: s-maj=3.1km s-min=1.6km az=55.0. 6 km SSW of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=114.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.3km az=175.3.
BNS Event type ke.
PRU West Bohemia Swarm-felt.
WBNET X 09 22 21 36.8 50.21N 12.44E 11 0.0L
¶15261200
WBNET X 09 22 24 53.7 50.22N 12.45E 10 1.0L
PRU X 09 22 24 53.9 50.21N 12.42E 4 1.0L ¶15222133
PRU West Bohemia Swarm.
WBNET X 09 22 25 25.7 50.21N 12.45E 10 1.0L
PRU X 09 22 25 25.9 50.22N 12.42E 5 1.0L ¶11345838
PRU West Bohemia Swarm.
WBNET X 09 22 26 12.0 50.21N 12.45E 10 1.0L
PRU X 09 22 26 12.5 50.24N 12.49E 4 1.0L ¶11345839
PRU West Bohemia Swarm.
WBNET X 09 22 26 13.7 50.21N 12.45E 10 0.0L
¶15222157
WBNET X 09 22 28 50.2 50.22N 12.45E 10 0.0L
¶15222178
WBNET X 09 22 28 55.1 50.22N 12.44E 10 0.0L
PRU X 09 22 28 55.2 50.21N 12.41E 3 0.0L ¶11345840
PRU West Bohemia Swarm.
WBNET X 09 22 29 14.1 50.21N 12.45E 10 1.0L
PRU X 09 22 29 14.0 50.19N 12.41E 2 1.0L ¶15222169
PRU West Bohemia Swarm.
WBNET X 09 22 30 25.3 50.21N 12.45E 9 1.0L
PRU X 09 22 30 24.8 50.17N 12.38E 1 1.0L ¶11345842
PRU West Bohemia Swarm.
WBNET X 09 22 30 32.2 50.21N 12.45E 10 0.0L
¶15222180
WBNET X 09 22 34 35.6 50.21N 12.46E 10 0.0L
¶15222194
WBNET X 09 22 34 37.5 50.21N 12.46E 10 1.0L
PRU X 09 22 34 37.2 50.20N 12.41E 5 1.0L ¶11345844
PRU West Bohemia Swarm.
WBNET X 09 22 36 02.6 50.20N 12.46E 10 0.0L
¶15611943
WBNET X 09 22 36 12.3 50.21N 12.46E 9 1.0L
PRU X 09 22 36 12.6 50.22N 12.42E 4 1.0L ¶11345846
PRU West Bohemia Swarm.
ISC X 09 22 36 18.6–1.7 50.22N–.05 12.45E–.08 8–9 12 0-1
ISCJB X 09 22 36 17.9–1.8 50.20N–.05 12.48E–.09 11–10 ¶15222205
WBNET X 09 22 36 18.4 50.21N 12.46E 9 1.0L
PRU X 09 22 36 18.6 50.25N 12.44E 7 1.0L
ISCJB Error ellipse: s-maj=9.3km s-min=8.7km az=32.3.
PRU West Bohemia Swarm.
WBNET X 09 22 37 13.8 50.21N 12.46E 10 1.0L
PRU X 09 22 37 14.1 50.21N 12.41E 4 1.0L ¶11345848
PRU West Bohemia Swarm.
WBNET X 09 22 42 38.3 50.21N 12.45E 11 0.0L
¶15222207
WBNET X 09 22 42 39.6 50.22N 12.44E 9 1.0L
PRU X 09 22 42 39.5 50.19N 12.40E 2 1.0L ¶15222210
PRU West Bohemia Swarm.
WBNET X 09 22 43 12.4 50.22N 12.44E 9 1.0L
PRU X 09 22 43 12.4 50.25N 12.45E 7 1.0L ¶15222222
PRU West Bohemia Swarm.
WBNET X 09 22 45 27.2 50.21N 12.46E 10 1.0L
PRU X 09 22 45 27.3 50.18N 12.40E 2 1.0L ¶11345851
PRU West Bohemia Swarm.
WBNET X 09 22 57 38.2 50.21N 12.46E 10 1.0L
PRU X 09 22 57 38.5 50.20N 12.41E 3 1.0L ¶11345852
PRU West Bohemia Swarm.
WBNET X 09 22 58 31.4 50.21N 12.46E 10 1.0L
PRU X 09 22 58 31.5 50.19N 12.40E 3 1.0L ¶11345853
PRU West Bohemia Swarm.
WBNET X 09 23 08 24.0 50.21N 12.46E 10 0.0L
¶15656618
WBNET X 09 23 08 25.9 50.21N 12.46E 10 1.0L
PRU X 09 23 08 26.2 50.19N 12.46E 2 1.0L ¶11345854
CSEM X 09 23 08 26.2 50.19N 12.46E 2 1.0L
PRU West Bohemia Swarm.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
ISC X 09 23 13 42.3–.49 50.21N–.02 12.46E–.03 12–3 86 0-3

ISCJB X 09 23 13 41.5–.40 50.20N–.02 12.49E–.03 12–3 ¶11345855
VIE X 09 23 13 42.0–.51 50.18N 12.47E 8–5 2.1L
CSEM X 09 23 13 42.3–.07 50.21N 12.47E 10 2.1L
WBNET X 09 23 13 42.7 50.21N 12.46E 10 1.0L
BGR X 09 23 13 42.4–.25 50.21N 12.45E 11–2 2.0L
PRU X 09 23 13 43.2 50.20N 12.48E 0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=166.8.
VIE Error ellipse: s-maj=9.3km s-min=1.6km az=52.0. 6 km S of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=56.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=115.0.
PRU West Bohemia Swarm.
WBNET X 09 23 16 28.2 50.21N 12.45E 10 0.0L
PRU X 09 23 16 28.9 50.26N 12.47E 4 0.0L ¶15222262
PRU West Bohemia Swarm.
WBNET X 09 23 17 06.7 50.21N 12.45E 10 1.0L
PRU X 09 23 17 06.8 50.21N 12.41E 5 1.0L ¶15229194
PRU West Bohemia Swarm.
WBNET X 09 23 17 14.5 50.21N 12.45E 10 1.0L
PRU X 09 23 17 11.5 50.10N 12.65E 0 1.0L ¶11345859
PRU West Bohemia Swarm.
WBNET X 09 23 19 00.5 50.22N 12.45E 9 0.0L
PRU X 09 23 19 00.7 50.23N 12.42E 5 0.0L ¶15222250
PRU West Bohemia Swarm.
ISC X 10 00 28 08.0–.46 50.22N–.02 12.47E–.03 12–3 117 0-3
ISCJB X 10 00 28 07.4–.35 50.21N–.02 12.50E–.03 13–2 ¶11345874
CLL X 10 00 28 08.9–.39 50N–1.0 12E–2.0 8–1 2.0L
PRU X 10 00 28 08.9 50.20N 12.48E 0 2.0L
BGR X 10 00 28 08.1–.29 50.22N 12.44E 12–3 2.2L
WBNET X 10 00 28 08.6 50.22N 12.45E 9 2.0L
CSEM X 10 00 28 08.0–.08 50.21N 12.48E 10 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=169.0.
PRU West Bohemia Swarm.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=64.0.
ISC X 10 00 39 44.5–.14 50.215N–.01 12.46E–.02 11–1 490 0-9
ISCJB X 10 00 39 43.7–.15 50.195N–.01 12.45E–.02 13–1 ¶11345875
LDG X 10 00 39 44.4–.23 50.19N 12.46E 10–0 3.7L
VIE X 10 00 39 44.0–.20 50.17N 12.42E 9–1 3.6L,2.7b
CSEM X 10 00 39 44.3–.08 50.21N 12.46E 10 3.9L,2.7b
BGR X 10 00 39 44.2–.23 50.22N 12.45E 11–2 3.6L,2.7b
PRU X 10 00 39 45.0 50.20N 12.51E 3 3.6L,2.7b
CLL X 10 00 39 45.4–.36 50N–1.0 12E–2.0 8–1 3.2L,2.7b
NEIC X 10 00 39 45.0 50.22N 12.46E 11 3.7L,3.5L
WBNET X 10 00 39 45.2 50.21N 12.44E 10 2.0L,3.5L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.8km s-min=1.5km az=13.1.
LDG Event type ke. Error ellipse: s-maj=7.4km s-min=3.7km az=166.0.
VIE Error ellipse: s-maj=2.1km s-min=1.4km az=68.0. 7 km SSW of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=115.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
PRU West Bohemia Swarm-felt.
NEIC Event type fe. Felt at Klingenthal, Germany. After SZGRF.
WBNET X 10 00 42 16.3 50.22N 12.44E 10 1.0L

¶15229246

ISC X 10 00 42 33.2–.73 50.21N–.02 12.45E–.04 11–4 57 0-1
ISCJB X 10 00 42 32.6–.48 50.22N–.02 12.48E–.04 12–3 ¶11345876
CSEM X 10 00 42 33.9 50.20N 12.47E 0
PRU X 10 00 42 33.9 50.20N 12.47E 0
WBNET X 10 00 42 33.6 50.22N 12.44E 10 2.0L
ISCJB Error ellipse: s-maj=4.6km s-min=3.4km az=44.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
WBNET X 10 00 44 37.2 50.21N 12.45E 10 1.0L

¶15226537

WBNET X 10 00 47 37.3 50.22N 12.44E 10 1.0L

¶15226536

WBNET X 10 00 50 59.1 50.21N 12.45E 11 1.0L

¶15224643

WBNET X 10 00 52 22.1 50.21N 12.45E 10 1.0L

¶15224651

WBNET X 10 00 52 28.5 50.21N 12.45E 10 0.0L

¶15224657

WBNET X 10 00 52 29.9 50.21N 12.44E 11 1.0L
CSEM X 10 00 52 29.6 50.19N 12.45E 4 1.0L ¶11345878
PRU X 10 00 52 29.6 50.19N 12.45E 4 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
WBNET X 10 00 54 33.5 50.22N 12.45E 10 0.0L

¶15224691

WBNET X 10 01 15 09.5 50.22N 12.44E 10 1.0L
PRU X 10 01 15 09.7 50.20N 12.45E 2 1.0L ¶11345880
PRU West Bohemia Swarm.
WBNET X 10 01 18 29.5 50.21N 12.44E 10 1.0L
PRU X 10 01 18 29.8 50.20N 12.44E 2 1.0L ¶11345881
PRU West Bohemia Swarm.
WBNET X 10 01 19 14.3 50.21N 12.45E 11 0.0L

¶15229241

WBNET X 10 01 19 17.0 50.22N 12.44E 10 1.0L
PRU X 10 01 19 17.3 50.21N 12.47E 1 1.0L ¶11345882
PRU West Bohemia Swarm.
WBNET X 10 01 19 31.0 50.21N 12.44E 11 0.0L

¶15226501

WBNET X 10 01 19 34.9 50.21N 12.45E 11 1.0L

¶15261201

WBNET X 10 01 19 37.0 50.21N 12.45E 10 0.0L

¶15224845

WBNET X 10 01 19 41.8 50.22N 12.44E 11 0.0L

¶15224848

ISC X 10 01 21 25.1–.70 50.21N–.03 12.47E–.04 13–4 44 0-2
ISCJB X 10 01 21 24.8–.46 50.22N–.02 12.50E–.04 13–3 ¶11345883
WBNET X 10 01 21 25.9 50.21N 12.44E 10 1.0L
CSEM X 10 01 21 26.1 50.20N 12.50E 0 1.0L
PRU X 10 01 21 26.1 50.20N 12.50E 0 1.0L
ISCJB Error ellipse: s-maj=4.6km s-min=3.4km az=43.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
WBNET X 10 01 24 50.1 50.21N 12.45E 10 0.0L

¶15224894

ISC X 10 01 27 06.7–.65 50.21N–.02 12.46E–.04 12–4 46 0-3
VIE X 10 01 27 05.7–.65 50.20N 12.50E 12–4 2.1L,2.1b ¶11345884
ISCJB X 10 01 27 06.2–.42 50.21N–.02 12.50E–.03 12–3 2.1L,2.1b
CSEM X 10 01 27 06.6–.48 50.22N 12.51E 10 2.7L,2.1b
WBNET X 10 01 27 07.2 50.21N 12.45E 10 1.0L,2.1b
PRU X 10 01 27 07.5 50.21N 12.51E 1 1.0L,2.1b
ISC Event type ke.
VIE Error ellipse: s-maj=11.3km s-min=2.0km az=52.0. 4 km SE of Klingenthal .
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=141.4.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=8.2km az=17.0.
PRU West Bohemia Swarm-felt.
WBNET X 10 01 27 44.9 50.21N 12.45E 10 1.0L

¶15224908

WBNET X 10 01 28 41.4 50.22N 12.44E 10 1.0L

¶15224913

WBNET X 10 01 28 45.2 50.21N 12.45E 10 1.0L

¶15224925

WBNET X 10 01 28 47.1 50.20N 12.45E 11 0.0L

¶15224922

WBNET X 10 01 47 39.5 50.22N 12.44E 10 1.0L

¶15225003

CSEM X 10 01 49 45.7–.08 50.21N 12.48E 10 2.8L
VIE X 10 01 49 44.7–.64 50.23N 12.54E 12–4 2.0L,2.0b ¶11345892
BGR X 10 01 49 45.8–.25 50.21N 12.45E 11–1 2.0L,2.0b
PRU X 10 01 49 46.6 50.19N 12.48E 0 2.0L,2.0b
WBNET X 10 01 49 46.3 50.22N 12.44E 10 2.0L,2.0b
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=67.0.
VIE Error ellipse: s-maj=11.1km s-min=1.9km az=52.0. 6 km E of Klingenthal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=111.0.
PRU West Bohemia Swarm.
WBNET X 10 01 51 55.5 50.22N 12.44E 10 1.0L

¶15225011

WBNET X 10 01 56 01.0 50.21N 12.45E 10 1.0L
PRU X 10 01 56 01.3 50.19N 12.44E 2 1.0L ¶15226480
PRU West Bohemia Swarm.
WBNET X 10 01 56 10.0 50.21N 12.45E 10 1.0L

¶15611944

WBNET X 10 01 57 17.6 50.21N 12.45E 10 1.0L

¶15225026

WBNET X 10 02 07 11.8 50.22N 12.45E 10 1.0L
PRU X 10 02 07 12.1 50.20N 12.48E 1 1.0L ¶11345894
PRU West Bohemia Swarm.
WBNET X 10 02 09 40.7 50.22N 12.45E 9 0.0L

¶15225076

WBNET X 10 02 09 42.8 50.22N 12.45E 9 0.0L

¶15225073

WBNET X 10 02 09 46.0 50.22N 12.45E 10 1.0L

¶15225067

ISC X 10 02 16 21.0–1.3 50.22N–.03 12.45E–.06 9–7 21 0-0
ISCJB X 10 02 16 20.7–1.3 50.21N–.03 12.45E–.06 10–7 ¶15611945
WBNET X 10 02 16 21.0 50.22N 12.45E 10 0.0L
ISCJB Error ellipse: s-maj=6.6km s-min=5.1km az=161.2.
WBNET X 10 02 16 25.7 50.22N 12.44E 9 0.0L

¶15225084

ISC X 10 02 16 33.6–.72 50.22N–.02 12.47E–.04 12–4 38 0-3
ISCJB X 10 02 16 33.0–.47 50.23N–.02 12.51E–.04 13–3 ¶11345895
VIE X 10 02 16 33.1–.45 50.20N 12.49E 10–3 2.1L
CSEM X 10 02 16 34.5–.44 50.22N 12.55E 2 2.1L
PRU X 10 02 16 34.3 50.20N 12.52E 0 2.1L
WBNET X 10 02 16 34.2 50.22N 12.45E 10 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=142.2.
VIE Error ellipse: s-maj=8.0km s-min=1.4km az=52.0. 4 km SE of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=13.1km s-min=7.3km az=22.0.
PRU West Bohemia Swarm.
WBNET X 10 02 18 40.6 50.22N 12.44E 9 0.0L

¶15225107

WBNET X 10 02 21 18.3 50.22N 12.44E 10 0.0L

¶15225134

WBNET X 10 02 21 23.4 50.22N 12.44E 10 0.0L

¶15225138

ISC X 10 02 21 25.7–.69 50.22N–.02 12.45E–.04 10–4 38 0-3
CSEM X 10 02 21 22.8–1.7 50.23N 12.32E 23–7 2.5L ¶11345896
ISCJB X 10 02 21 24.9–.48 50.21N–.02 12.48E–.04 13–3 2.5L
VIE X 10 02 21 24.4–.44 50.20N 12.49E 12–3 1.8L
WBNET X 10 02 21 25.9 50.22N 12.44E 10 1.0L
PRU X 10 02 21 26.3 50.20N 12.45E 1 1.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=23.8km s-min=17.2km az=132.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=139.0.
VIE Error ellipse: s-maj=7.7km s-min=1.3km az=52.0. 4 km SE of Klingenthal .
PRU West Bohemia Swarm.
WBNET X 10 02 21 30.7 50.21N 12.45E 10 0.0L

¶15226467

ISC X 10 02 22 41.1–.88 50.21N–.03 12.45E–.05 11–5 35 0-1
ISCJB X 10 02 22 40.6–.55 50.22N–.02 12.49E–.04 12–3 ¶11345897
CSEM X 10 02 22 41.8 50.20N 12.47E 0
PRU X 10 02 22 41.8 50.20N 12.47E 0
WBNET X 10 02 22 41.5 50.22N 12.44E 10 1.0L
ISCJB Error ellipse: s-maj=4.8km s-min=3.9km az=145.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
ISC X 10 02 22 50.5–.75 50.21N–.03 12.46E–.04 11–4 36 0-1
ISCJB X 10 02 22 50.0–.48 50.22N–.02 12.49E–.04 12–3 ¶11345898
WBNET X 10 02 22 50.9 50.22N 12.44E 10 1.0L
CSEM X 10 02 22 51.2 50.20N 12.47E 0 1.0L
PRU X 10 02 22 51.2 50.20N 12.47E 0 1.0L
ISCJB Error ellipse: s-maj=4.6km s-min=3.5km az=44.2.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
ISC X 10 02 23 15.3–.81 50.21N–.03 12.46E–.04 11–5 35 0-1
ISCJB X 10 02 23 14.8–.53 50.22N–.02 12.49E–.04 12–3 ¶11345899
WBNET X 10 02 23 15.7 50.21N 12.46E 10 1.0L
CSEM X 10 02 23 16.1 50.19N 12.48E 0 1.0L
PRU X 10 02 23 16.1 50.19N 12.48E 0 1.0L
ISCJB Error ellipse: s-maj=4.7km s-min=3.7km az=138.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
ISC X 10 02 35 11.1–.44 50.21N–.02 12.46E–.03 12–3 100 0-3
ISCJB X 10 02 35 10.7–.26 50.21N–.01 12.51E–.03 10 ¶11345901
VIE X 10 02 35 10.2–.55 50.20N 12.48E 12–4 2.1L
CSEM X 10 02 35 11.0–.08 50.20N 12.48E 10 2.8L
BGR X 10 02 35 11.3–.23 50.22N 12.45E 11–1 2.0L
WBNET X 10 02 35 11.7 50.22N 12.44E 10 2.0L
PRU X 10 02 35 12.0 50.19N 12.48E 0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=162.3.
VIE Error ellipse: s-maj=9.6km s-min=1.7km az=52.0. 4 km SSE of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=73.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
PRU West Bohemia Swarm.
WBNET X 10 02 36 01.1 50.22N 12.44E 10 0.0L

¶15225192

WBNET X 10 02 36 34.1 50.21N 12.45E 10 0.0L

¶15225203

WBNET X 10 02 36 34.8 50.22N 12.45E 10 1.0L

¶15225212

WBNET X 10 02 36 46.6 50.22N 12.45E 10 0.0L

¶15225218

WBNET X 10 02 36 48.1 50.22N 12.44E 10 0.0L

¶15225215

WBNET X 10 02 36 49.1 50.22N 12.44E 10 0.0L

¶15225225

ISC X 10 02 45 24.8–.70 50.21N–.03 12.46E–.04 13–4 62 0-1
ISCJB X 10 02 45 24.5–.45 50.22N–.02 12.50E–.04 13–3 ¶11345902
CSEM X 10 02 45 25.8 50.20N 12.47E 1
WBNET X 10 02 45 25.6 50.22N 12.45E 10 1.0L
PRU X 10 02 45 25.8 50.20N 12.47E 1 1.0L
ISCJB Error ellipse: s-maj=4.4km s-min=3.4km az=44.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
WBNET X 10 02 57 47.5 50.21N 12.46E 10 1.0L

¶15225275

WBNET X 10 02 58 59.3 50.22N 12.45E 9 1.0L

¶15225286

ISC X 10 02 59 02.3–.51 50.21N–.02 12.47E–.03 12–3 101 0-3
ISCJB X 10 02 59 01.8–.41 50.21N–.02 12.48E–.03 13–2 ¶11345904
VIE X 10 02 59 01.2–.50 50.21N 12.50E 11–3 2.5L
PRU X 10 02 59 02.3 50.21N 12.57E 0 2.5L
WBNET X 10 02 59 02.8 50.22N 12.45E 9 2.0L
CSEM X 10 02 59 02.4–.06 50.23N 12.45E 10 2.5L
BGR X 10 02 59 02.5–.29 50.22N 12.45E 10–2 2.4L

CLL X 10 02 59 03.5–.35 50N–1.0 12E–2.0 8–1 2.1L
ISC Event type ke.
ISCJB Event type ke.
VIE 4 km ESE of Klingenthal .
PRU West Bohemia Swarm.
CSEM Event type ke.
BGR Event type ke.
WBNET X 10 03 01 10.6 50.22N 12.45E 10 1.0L
¶15225325

WBNET X 10 03 01 18.2 50.22N 12.45E 10 1.0L
¶15225319

WBNET X 10 03 01 22.0 50.21N 12.44E 9 0.0L
¶15229239

WBNET X 10 03 01 32.9 50.22N 12.44E 10 0.0L
¶15225328

ISC X 10 03 01 34.9–.57 50.21N–.02 12.46E–.04 11–4 68 0-1
ISCJB X 10 03 01 34.2–.44 50.21N–.02 12.48E–.04 13–2 ¶13921124
CSEM X 10 03 01 34.8 50.21N 12.46E 11 2.0L
BGR X 10 03 01 34.8–.27 50.21N 12.46E 11–2 2.0L
WBNET X 10 03 01 35.4 50.21N 12.45E 10 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=9.7.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
WBNET X 10 03 02 28.3 50.21N 12.45E 10 1.0L
¶15225337

ISC X 10 03 02 44.9–.26 50.21N–.01 12.47E–.02 11–2 170 0-7
VIE X 10 03 02 43.7–.71 50.19N 12.49E 13–5 2.6L ¶11345905
BGR X 10 03 02 44.9–.23 50.22N 12.46E 11–2 2.7L
ISCJB X 10 03 02 44.0–.26 50.20N–.02 12.51E–.03 12–2 2.7L
CSEM X 10 03 02 44.8–.11 50.20N 12.49E 8 3.1L
PRU X 10 03 02 45.8 50.20N 12.46E 0 3.1L
NEIC X 10 03 02 45.8 50.20N 12.46E 0 2.8L,2.8L
CLL X 10 03 02 45.8–.40 50N–1.0 12E–2.0 8–1 2.5L,2.8L
WBNET X 10 03 02 45.4 50.22N 12.45E 10 2.0L,2.8L
LDG X 10 03 02 50.4–.26 50.09N 12.30E 10–0 2.8L,2.8L
ISC Event type ke.
VIE Error ellipse: s-maj=12.2km s-min=2.1km az=52.0. 5 km SSE of Klingenthal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=18.3.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=102.0.
PRU West Bohemia Swarm.
NEIC Event type se. After PRU.
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=162.0.
ISC X 10 03 03 07.6–.48 50.21N–.02 12.47E–.03 11–3 105 0-2
ISCJB X 10 03 03 06.9–.36 50.21N–.02 12.49E–.03 13–2 ¶11345906
CSEM X 10 03 03 07.6–.05 50.21N 12.46E 10 3.3L
BGR X 10 03 03 07.7–.25 50.22N 12.45E 11–2 2.5L
CLL X 10 03 03 08.4–.39 50N–1.0 12E–2.0 8–1 2.2L
WBNET X 10 03 03 08.0 50.22N 12.45E 10 2.0L
PRU X 10 03 03 08.4 50.20N 12.49E 0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=2.6.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=110.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=113.0.
PRU West Bohemia Swarm.
WBNET X 10 03 04 42.0 50.22N 12.45E 10 0.0L
¶15225348

WBNET X 10 03 17 15.9 50.21N 12.44E 11 0.0L
¶15225378

WBNET X 10 03 17 58.1 50.21N 12.45E 10 0.0L
¶15225394

WBNET X 10 03 18 09.4 50.22N 12.45E 9 2.0L
PRU X 10 03 18 09.6 50.19N 12.48E 0 2.0L ¶11345908
PRU West Bohemia Swarm.
ISC X 10 03 18 35.7–.30 50.20N–.01 12.47E–.02 11–2 162 0-6
CSEM X 10 03 18 35.7–.14 50.19N 12.49E 5 3.1L ¶11345909
ISCJB X 10 03 18 35.2–.26 50.20N–.01 12.51E–.02 10 3.1L
BGR X 10 03 18 35.8–.25 50.21N 12.46E 11–2 2.7L
VIE X 10 03 18 35.3–.63 50.19N 12.44E 9–6 2.9L,1.9b
PRU X 10 03 18 36.1 50.19N 12.53E 0 2.9L,1.9b
WBNET X 10 03 18 36.4 50.21N 12.45E 9 2.0L,1.9b
NEIC X 10 03 18 36.1 50.19N 12.53E 0 2.9L,2.7L
CLL X 10 03 18 36.6–.40 50N–1.0 12E–2.0 8–1 2.3L,2.7L
LDG X 10 03 18 41.5–.19 50.09N 12.26E 10–0 2.9L,2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=173.7.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=112.0.
VIE Error ellipse: s-maj=11.3km s-min=1.9km az=51.0. 5 km S of Klingenthal .
PRU West Bohemia Swarm.
NEIC Event type se. After PRU.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=153.0.
ISC X 10 03 22 04.4–.14 50.206N–.01 12.44E–.01 13–1 562 0-10
ISCJB X 10 03 22 03.6–.16 50.185N–.01 12.43E–.02 14–1 ¶11344582
CSEM X 10 03 22 04.2–.09 50.19N 12.45E 10 4.3L
VIE X 10 03 22 04.2–.24 50.14N 12.35E 5–2 3.9L,2.9b
BGR X 10 03 22 04.3–.23 50.22N 12.44E 12–2 3.9L,2.9b
LDG X 10 03 22 04.7–.08 50.19N 12.43E 10–0 4.0L,2.9b
WBNET X 10 03 22 05.3 50.21N 12.45E 9 3.0L,2.9b
CLL X 10 03 22 05.5–.40 50N–1.0 12E–2.0 8–1 3.6L,2.9b
PRU X 10 03 22 05.3 50.20N 12.51E 0 3.6L,2.9b
NEIC X 10 03 22 05.1 50.22N 12.45E 10 4.0L,4.0L
BNS X 10 03 22 09.2–.28 50.17N 12.19E 5 3.5L,4.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=17.9.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=2.0km az=131.0.
VIE Error ellipse: s-maj=2.5km s-min=1.6km az=78.0. 13 km SW of Klingenthal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=146.0.
PRU West Bohemia Swarm-felt.
NEIC Event type se. After SZGRF.
BNS Event type ke.
WBNET X 10 03 23 11.8 50.21N 12.45E 9 0.0L
¶15225431

WBNET X 10 03 23 55.2 50.20N 12.46E 10 0.0L
¶15225477

WBNET X 10 03 25 28.1 50.22N 12.44E 10 0.0L
¶15225526

WBNET X 10 03 26 26.8 50.20N 12.45E 9 0.0L
¶15226428

WBNET X 10 03 26 27.7 50.21N 12.45E 9 0.0L
¶15225581

WBNET X 10 03 26 30.9 50.21N 12.45E 10 1.0L
¶15225578

WBNET X 10 03 27 17.5 50.20N 12.46E 10 0.0L
¶15225611

WBNET X 10 03 27 19.2 50.21N 12.45E 9 1.0L
¶15225608

WBNET X 10 03 27 43.6 50.21N 12.45E 9 0.0L
¶15225615

WBNET X 10 03 27 46.3 50.22N 12.45E 9 1.0L
¶15226398

WBNET X 10 03 29 01.2 50.21N 12.45E 9 0.0L
¶15225635

WBNET X 10 03 29 03.3 50.21N 12.45E 9 1.0L
¶15225674

ISC X 10 03 29 44.2–.47 50.21N–.02 12.46E–.03 11–3 92 0-1
ISCJB X 10 03 29 43.6–.32 50.21N–.02 12.47E–.03 13–2 ¶11345910
CSEM X 10 03 29 44.1–.05 50.21N 12.47E 10 2.1L
BGR X 10 03 29 44.3–.24 50.21N 12.45E 11–1 2.1L
WBNET X 10 03 29 44.7 50.22N 12.45E 9 1.0L
PRU X 10 03 29 45.1 50.20N 12.47E 0 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.5km az=162.5.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=90.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
PRU West Bohemia Swarm.
WBNET X 10 03 31 07.4 50.21N 12.44E 9 0.0L
¶15225736

WBNET X 10 03 31 08.5 50.21N 12.44E 9 1.0L
¶15225733

WBNET X 10 03 31 09.6 50.21N 12.44E 10 1.0L
¶15225746

WBNET X 10 03 31 19.1 50.21N 12.46E 10 1.0L
¶15225743

WBNET X 10 03 32 32.9 50.21N 12.45E 9 1.0L
¶15229190

ISC X 10 03 32 42.4–.83 50.21N–.03 12.46E–.05 10–5 28 0-1
ISCJB X 10 03 32 41.8–.52 50.21N–.03 12.48E–.04 12–3 ¶11345911
WBNET X 10 03 32 42.6 50.21N 12.46E 9 1.0L
PRU X 10 03 32 42.9 50.20N 12.46E 1 1.0L
ISCJB Error ellipse: s-maj=5.2km s-min=3.7km az=141.0.
PRU West Bohemia Swarm.
WBNET X 10 03 36 35.0 50.21N 12.46E 10 1.0L
¶15225763

ISC X 10 03 37 04.5–.66 50.20N–.02 12.46E–.04 8–4 38 0-1
ISCJB X 10 03 37 03.6–.66 50.21N–.03 12.48E–.04 11–4 ¶11345912
CSEM X 10 03 37 04.6 50.20N 12.43E 2
PRU X 10 03 37 04.6 50.20N 12.43E 2
WBNET X 10 03 37 04.3 50.21N 12.45E 9 1.0L
ISCJB Error ellipse: s-maj=5.0km s-min=3.9km az=143.1.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
WBNET X 10 03 39 33.8 50.21N 12.46E 9 0.0L
¶15225768

WBNET X 10 03 42 10.6 50.23N 12.47E 10 1.0L
PRU X 10 03 42 11.0 50.20N 12.46E 1 1.0L ¶11345913
PRU West Bohemia Swarm.
WBNET X 10 03 43 44.3 50.20N 12.45E 10 0.0L
¶15509410

WBNET X 10 03 43 54.8 50.20N 12.45E 9 1.0L
PRU X 10 03 43 55.3 50.21N 12.43E 3 1.0L ¶15509412
PRU West Bohemia Swarm.
WBNET X 10 03 43 58.5 50.21N 12.45E 9 1.0L
CSEM X 10 03 43 58.5–.55 50.04N 12.59E 2 2.3L ¶15509411
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=5.7km az=42.0.
ISC X 10 03 44 01.8–.50 50.21N–.02 12.48E–.03 11–3 106 0-3
CSEM X 10 03 44 01.8–.19 50.20N 12.48E 8 ¶15229189
BGR X 10 03 44 01.7–.38 50.21N 12.44E 11–2 2.3L
ISCJB X 10 03 44 01.1–.40 50.21N–.02 12.49E–.03 13–2 2.3L
CLL X 10 03 44 02.5–.38 50N–1.0 12E–2.0 8–1 2.0L
WBNET X 10 03 44 02.1 50.20N 12.45E 9 2.0L
PRU X 10 03 44 02.0 50.19N 12.44E 3 2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=110.0.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=101.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=153.9.
PRU West Bohemia Swarm.
WBNET X 10 03 44 08.9 50.19N 12.47E 9 0.0L
¶15225788

ISC X 10 03 45 00.5–.48 50.20N–.02 12.46E–.03 13–3 92 0-1
ISCJB X 10 03 44 59.9–.37 50.20N–.02 12.50E–.03 13–3 ¶11345916
CSEM X 10 03 45 00.4–.05 50.20N 12.47E 12 2.1L
BGR X 10 03 45 00.7–.24 50.20N 12.45E 12–1 2.1L
PRU X 10 03 45 01.5 50.19N 12.47E 0 2.1L
WBNET X 10 03 45 01.0 50.20N 12.46E 11 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=6.1.
CSEM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=78.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=112.0.
PRU West Bohemia Swarm.
WBNET X 10 03 46 12.0 50.20N 12.45E 10 1.0L
¶15225810

ISC X 10 03 46 12.6–.93 50.21N–.03 12.47E–.06 11–5 22 0-1
ISCJB X 10 03 46 11.9–.57 50.21N–.03 12.50E–.05 13–3 ¶15673732
WBNET X 10 03 46 12.9 50.21N 12.45E 10 1.0L
PRU X 10 03 46 13.1 50.25N 12.49E 5 1.0L
ISCJB Error ellipse: s-maj=6.0km s-min=4.5km az=143.3.
PRU West Bohemia Swarm.
ISC X 10 03 46 15.9–.48 50.20N–.02 12.46E–.04 11–3 66 0-1
ISCJB X 10 03 46 15.3–.40 50.20N–.02 12.49E–.04 12–3 ¶13587919
CSEM X 10 03 46 16.1 50.21N 12.45E 10 2.0L
BGR X 10 03 46 16.1–.27 50.21N 12.45E 10–2 2.0L
WBNET X 10 03 46 16.4 50.21N 12.45E 10 1.0L
PRU X 10 03 46 17.0 50.19N 12.47E 0 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=176.3.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=103.0.
PRU West Bohemia Swarm.
WBNET X 10 03 46 23.1 50.20N 12.45E 10 0.0L
¶15225803

ISC X 10 03 47 00.3–.50 50.20N–.02 12.46E–.03 11–4 85 0-1
ISCJB X 10 03 46 59.6–.38 50.20N–.02 12.50E–.03 12–3 ¶13921126
WBNET X 10 03 47 00.8 50.21N 12.45E 10 1.0L
CSEM X 10 03 47 00.3–.06 50.20N 12.47E 10 2.7L
BGR X 10 03 47 00.5–.24 50.21N 12.45E 12–2 2.0L
PRU X 10 03 47 01.1 50.19N 12.47E 0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=10.4.
CSEM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=116.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=114.0.
PRU West Bohemia Swarm.
WBNET X 10 03 47 25.2 50.21N 12.45E 10 0.0L
¶15229208

ISC X 10 03 47 30.8–.49 50.20N–.02 12.47E–.03 11–3 115 0-1
ISCJB X 10 03 47 29.9–.46 50.19N–.02 12.49E–.03 14–3 ¶13587921
BGR X 10 03 47 30.9–.24 50.20N 12.45E 10–1 2.3L
CSEM X 10 03 47 30.9 50.20N 12.45E 10 2.3L
CLL X 10 03 47 31.5–.33 50N–1.0 12E–2.0 8–1 2.1L
PRU X 10 03 47 31.4 50.19N 12.50E 1 2.1L
WBNET X 10 03 47 31.1 50.20N 12.45E 10 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=6.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=112.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
PRU West Bohemia Swarm.
ISC X 10 03 48 08.6–.49 50.22N–.02 12.47E–.04 11–4 95 0-3
ISCJB X 10 03 48 07.9–.36 50.21N–.02 12.49E–.03 13–2 ¶13921128
CSEM X 10 03 48 08.6–.07 50.22N 12.46E 10 2.4L
BGR X 10 03 48 08.6–.28 50.22N 12.45E 10–1 2.3L
VIE X 10 03 48 08.1–.46 50.19N 12.44E 9–5 2.4L,2.1b
WBNET X 10 03 48 08.9 50.22N 12.45E 10 2.0L,2.1b
CLL X 10 03 48 09.3–.41 50N–1.0 12E–2.0 8–1 2.0L,2.1b
PRU X 10 03 48 09.4 50.20N 12.47E 1 2.0L,2.1b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=160.7.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=102.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=98.0.
VIE Error ellipse: s-maj=8.2km s-min=1.4km az=51.0. 5 km SSW of Klingenthal .
PRU West Bohemia Swarm.

WBNET X **10 03 49 53.4 50.21N 12.46E 10 1.0L**
¶15225849

WBNET X **10 03 52 40.5 50.20N 12.46E 10 1.0L**
¶15225853

ISC X 10 03 57 19.4–.42 50.20N–.02 12.49E–.03 11–4 114 0-3
VIE X 10 03 57 18.7–.59 50.18N 12.48E 11–5 2.5L **¶11345918**
ISCJB X 10 03 57 18.5–.41 50.19N–.02 12.52E–.03 13–4 2.5L
BGR X 10 03 57 19.7–.23 50.20N 12.45E 10–1 2.3L
CSEM X 10 03 57 19.5–.04 50.20N 12.48E 10 3.2L
WBNET X 10 03 57 20.0 50.20N 12.46E 9 1.0L
CLL X 10 03 57 20.4–.35 50N–1.0 12E–2.0 8–1 2.0L
PRU X 10 03 57 20.3 50.19N 12.50E 0 2.0L
ISC Event type ke.
VIE Error ellipse: s-maj=10.3km s-min=1.8km az=52.0. 6 km SSE of Klingenthal .
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=174.7.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=104.0.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=72.0.
PRU West Bohemia Swarm.

WBNET X **10 03 58 54.3 50.21N 12.46E 9 1.0L**
¶15225857

ISC X 10 04 13 24.9–.35 50.21N–.02 12.44E–.03 15–2 144 0-6
CSEM X 10 04 13 24.9–.06 50.21N 12.45E 15 2.1L **¶11345922**
ISCJB X 10 04 13 24.7–.27 50.21N–.02 12.48E–.03 13–2 2.1L
BGR X 10 04 13 25.6–.25 50.22N 12.45E 10–2 2.1L
WBNET X 10 04 13 25.9 50.21N 12.45E 10 2.0L
CLL X 10 04 13 26.1–.36 50N–1.0 12E–2.0 9–1 2.0L
PRU X 10 04 13 26.2 50.20N 12.46E 1 2.0L
NEIC X 10 04 13 26.2 50.20N 12.46E 1 2.5L,2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=112.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=158.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=102.0.
PRU West Bohemia Swarm.
NEIC Event type se. After PRU.

ISC X 10 04 13 31.5–.39 50.22N–.02 12.46E–.03 11–3 111 0-3
LDG X 10 04 13 30.3–.40 50.06N 12.26E 10–0 2.5L **¶11345923**
ISCJB X 10 04 13 30.9–.34 50.22N–.02 12.48E–.03 12–2 2.5L
WBNET X 10 04 13 31.9 50.21N 12.45E 10 2.0L
BGR X 10 04 13 31.7–.32 50.22N 12.45E 10–2 2.4L
CSEM X 10 04 13 31.5–.06 50.22N 12.45E 10 2.4L
CLL X 10 04 13 32.1–.39 50N–1.0 12E–2.0 9–1 2.2L
NEIC X 10 04 13 32.3 50.20N 12.46E 1 2.5L
PRU X 10 04 13 32.3 50.20N 12.46E 1 2.5L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=7.4km s-min=5.5km az=127.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=8.9.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=128.0.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=122.0.
NEIC Event type se. After PRU.
PRU West Bohemia Swarm.

WBNET X **10 04 16 06.5 50.21N 12.46E 10 1.0L**
¶15225871

ISC X 10 04 22 15.6–.22 50.21N–.01 12.45E–.02 14–2 254 0-7
CSEM X 10 04 22 15.6–.08 50.22N 12.45E 15 3.6L **¶11345924**
VIE X 10 04 22 15.1–.55 50.20N 12.49E 12–3 3.0L
ISCJB X 10 04 22 15.1–.22 50.20N–.01 12.49E–.02 14–2 3.0L
PRU X 10 04 22 16.8 50.20N 12.46E 2 3.0L
CLL X 10 04 22 16.9–.39 50N–1.0 12E–2.0 8–1 2.9L
NEIC X 10 04 22 16.8 50.20N 12.46E 2 3.2L,2.9L
LDG X 10 04 22 16.3–.25 50.23N 12.47E 10–0 3.2L,2.9L
WBNET X 10 04 22 16.5 50.21N 12.44E 10 2.0L,2.9L
BGR X 10 04 22 16.2–.23 50.22N 12.45E 12–2 3.1L,2.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=119.0.
VIE Error ellipse: s-maj=9.6km s-min=1.7km az=52.0. 4 km SSE of Klingenthal .
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=11.8.
PRU West Bohemia Swarm.
NEIC Event type se. After PRU.
LDG Event type ke. Error ellipse: s-maj=8.2km s-min=4.1km az=158.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.

ISC X 10 04 26 02.0–.45 50.21N–.02 12.47E–.03 12–3 123 0-2
ISCJB X 10 04 26 01.4–.31 50.21N–.01 12.48E–.03 13–2 **¶11345925**
BGR X 10 04 26 02.1–.22 50.21N 12.44E 10–1 2.1L
PRU X 10 04 26 02.7 50.20N 12.49E 0 2.1L
CLL X 10 04 26 02.8–.38 50N–1.0 12E–2.0 8–1 2.0L
WBNET X 10 04 26 02.5 50.21N 12.45E 9 2.0L
CSEM X 10 04 26 02.0–.04 50.21N 12.47E 10 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=166.1.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=107.0.
PRU West Bohemia Swarm.
CSEM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=96.0.

ISC X 10 04 27 40.1–.51 50.21N–.02 12.45E–.04 13–3 92 0-1
ISCJB X 10 04 27 40.0–.30 50.21N–.02 12.47E–.03 10 **¶13921130**
CSEM X 10 04 27 40.3 50.21N 12.44E 12 2.1L
WBNET X 10 04 27 40.7 50.21N 12.44E 11 2.0L
BGR X 10 04 27 40.3–.22 50.21N 12.44E 12–1 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=3.8.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.

ISC X 10 04 29 41.8–.58 50.21N–.02 12.46E–.04 10–4 70 0-1
ISCJB X 10 04 29 41.1–.47 50.20N–.02 12.48E–.04 12–3 **¶13921131**
CSEM X 10 04 29 41.8 50.21N 12.45E 10 2.0L
BGR X 10 04 29 41.8–.25 50.21N 12.45E 10–2 2.0L
WBNET X 10 04 29 42.1 50.21N 12.46E 9 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=13.2.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=105.0.

ISC X 10 04 52 49.2–.24 50.20N–.01 12.45E–.02 13–2 214 0-7
VIE X 10 04 52 48.4–.33 50.22N 12.54E 12–3 3.0L,2.4b **¶11345927**
ISCJB X 10 04 52 48.7–.23 50.20N–.01 12.49E–.02 13–2 3.0L,2.4b
CSEM X 10 04 52 49.1–.11 50.18N 12.47E 10 3.7L,2.4b
BGR X 10 04 52 49.8–.23 50.22N 12.46E 11–2 2.9L,2.4b
PRU X 10 04 52 50.5 50.22N 12.50E 2 2.9L,2.4b
WBNET X 10 04 52 50.2 50.22N 12.44E 10 2.0L,2.4b
CLL X 10 04 52 50.4–.37 50N–1.0 12E–2.0 8–1 2.6L,2.4b
NEIC X 10 04 52 50.5 50.22N 12.50E 2 3.1L,3.0L
LDG X 10 04 52 53.8–.17 50.11N 12.31E 10–0 3.0L,3.0L
ISC Event type ke.
VIE Error ellipse: s-maj=5.7km s-min=1.4km az=49.0. 6 km E of Klingenthal .
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=174.4.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=127.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
PRU West Bohemia Swarm.
NEIC Event type se. After PRU.
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.4km az=160.0.

ISC X 10 05 13 54.3–.30 50.21N–.01 12.44E–.02 13–2 154 0-6
ISCJB X 10 05 13 53.9–.26 50.21N–.01 12.48E–.02 13–2 **¶11345930**
VIE X 10 05 13 54.1–.58 50.18N 12.44E 9–6 2.7L
BGR X 10 05 13 54.7–.23 50.22N 12.45E 11–2 2.6L
CSEM X 10 05 13 54.2–.08 50.21N 12.43E 15 3.4L
NEIC X 10 05 13 55.6 50.20N 12.46E 1 2.8L,2.7L
PRU X 10 05 13 55.6 50.20N 12.46E 1 2.8L,2.7L
WBNET X 10 05 13 55.2 50.22N 12.45E 10 2.0L,2.7L
CLL X 10 05 13 55.5–.38 50N–1.0 12E–2.0 8–1 2.5L,2.7L
LDG X 10 05 13 57.9–.23 50.12N 12.29E 10–0 2.8L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=157.0.
VIE Error ellipse: s-maj=10.6km s-min=1.8km az=51.0. 5 km SSW of Klingenthal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=108.0.
NEIC Event type se. After PRU.
PRU West Bohemia Swarm.
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=159.0.

WBNET X **10 06 11 04.8 50.21N 12.46E 10 1.0L**
PRU X 10 06 11 05.2 50.21N 12.45E 2 1.0L **¶11345936**
PRU West Bohemia Swarm.

ISC X 10 06 27 19.8–.24 50.20N–.01 12.45E–.02 13–2 210 0-7
CSEM X 10 06 27 19.6–.09 50.20N 12.44E 15 3.7L **¶11345938**
ISCJB X 10 06 27 19.3–.22 50.20N–.01 12.48E–.02 13–2 3.7L
BGR X 10 06 27 19.8–.23 50.21N 12.45E 11–2 3.0L
VIE X 10 06 27 19.6–.28 50.18N 12.45E 9–3 3.1L,2.0b
WBNET X 10 06 27 20.8 50.21N 12.45E 9 2.0L,2.0b
PRU X 10 06 27 21.2 50.20N 12.47E 1 2.0L,2.0b
NEIC X 10 06 27 21.2 50.20N 12.47E 1 3.1L,3.0L
CLL X 10 06 27 21.0–.39 50N–1.0 12E–2.0 8–1 2.7L,3.0L
LDG X 10 06 27 23.4–.29 50.08N 12.28E 10–0 3.1L,3.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=150.2.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
VIE Error ellipse: s-maj=6.0km s-min=1.6km az=50.0. 6 km S of Klingenthal .
PRU West Bohemia Swarm.
NEIC Event type se. After PRU.
LDG Event type ke. Error ellipse: s-maj=5.5km s-min=4.4km az=160.0.

ISC X 10 06 29 22.6–.60 50.21N–.02 12.46E–.04 12–4 61 0-1
ISCJB X 10 06 29 22.1–.36 50.21N–.02 12.46E–.04 13–3 **¶13921132**
CSEM X 10 06 29 22.7 50.20N 12.45E 11 2.2L
BGR X 10 06 29 22.7–.28 50.20N 12.45E 11–2 2.2L
WBNET X 10 06 29 23.1 50.21N 12.45E 10 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=7.9.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=105.0.

WBNET X **10 06 29 24.1 50.21N 12.45E 10 1.0L**
¶15225970

ISC X 10 06 34 48.0–.26 50.20N–.01 12.46E–.02 14–2 192 0-6
BGR X 10 06 34 47.8–.23 50.21N 12.45E 12–2 2.9L **¶11345939**
CSEM X 10 06 34 47.7–.09 50.19N 12.45E 15 3.6L
VIE X 10 06 34 47.5–.26 50.19N 12.47E 12–2 3.0L,2.1b
ISCJB X 10 06 34 47.4–.24 50.20N–.01 12.49E–.02 13–2 3.0L,2.1b
WBNET X 10 06 34 48.9 50.21N 12.45E 9 2.0L,2.1b
PRU X 10 06 34 49.1 50.20N 12.51E 0 2.0L,2.1b
CLL X 10 06 34 49.2–.37 50N–1.0 12E–2.0 8–1 2.7L,2.1b
NEIC X 10 06 34 49.1 50.21N 12.51E 0 3.1L,3.0L
LDG X 10 06 34 51.8–.33 50.12N 12.26E 10–0 3.0L,3.0L
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=71.0.
VIE Error ellipse: s-maj=5.1km s-min=1.3km az=50.0. 4 km S of Klingenthal .
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=154.2.
PRU West Bohemia Swarm.
NEIC Event type se. After PRU.
LDG Event type ke. Error ellipse: s-maj=6.1km s-min=4.4km az=171.0.

WBNET X **10 06 39 45.6 50.21N 12.46E 10 1.0L**
¶15225973

WBNET X **10 06 41 01.2 50.21N 12.46E 9 1.0L**
¶15225972

ISC X 10 06 44 24.0–.42 50.21N–.02 12.47E–.03 11–3 98 0-3
ISCJB X 10 06 44 23.4–.35 50.21N–.02 12.49E–.03 13–2 **¶11345940**
CSEM X 10 06 44 23.8–.05 50.20N 12.47E 12 2.2L
BGR X 10 06 44 24.1–.23 50.21N 12.45E 11–2 2.2L
WBNET X 10 06 44 24.6 50.21N 12.45E 9 1.0L
PRU X 10 06 44 24.8 50.21N 12.48E 1 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=159.3.
CSEM Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=67.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=99.0.
PRU West Bohemia Swarm.

ISC X 10 06 46 17.2–.44 50.21N–.02 12.47E–.03 11–3 121 0-3
ISCJB X 10 06 46 16.6–.31 50.20N–.01 12.48E–.03 13–2 **¶11345941**
WBNET X 10 06 46 17.8 50.21N 12.45E 9 1.0L
CSEM X 10 06 46 17.2–.05 50.20N 12.47E 10 2.3L
BGR X 10 06 46 17.3–.24 50.21N 12.45E 11–1 2.3L
PRU X 10 06 46 18.0 50.20N 12.50E 0 2.3L
CLL X 10 06 46 18.0–.37 50N–1.0 12E–2.0 8–1 2.0L
ISC Event type ke.
ISCJB Event type ke.
CSEM Event type ke.
BGR Event type ke.
PRU West Bohemia Swarm.

ISC X 10 07 30 43.2–.45 50.21N–.02 12.47E–.03 12–3 117 0-2
ISCJB X 10 07 30 43.0–.27 50.21N–.01 12.49E–.03 10 **¶11345944**
WBNET X 10 07 30 43.9 50.22N 12.45E 10 1.0L
CSEM X 10 07 30 43.2–.07 50.20N 12.48E 10 3.0L
BGR X 10 07 30 43.5–.24 50.22N 12.44E 11–1 2.4L
PRU X 10 07 30 44.1 50.20N 12.50E 0 2.4L
CLL X 10 07 30 44.1–.38 50N–1.0 12E–2.0 9–1 2.1L
ISC Event type ke.
ISCJB Event type ke.
CSEM Event type ke.
BGR Event type ke.
PRU West Bohemia Swarm.

ISC X 10 07 32 00.4–.19 50.18N–.01 12.44E–.02 10 232 0-7
ISCJB X 10 07 31 58.8–.23 50.11N–.01 12.44E–.02 10 **¶11345945**
VIE X 10 07 31 59.6–.44 50.23N 12.56E 12–4 3.6L
CSEM X 10 07 32 00.1–.13 50.16N 12.42E 10 4.1L
BGR X 10 07 32 01.1–.23 50.22N 12.45E 11–1 3.3L
NEIC X 10 07 32 01.8 50.20N 12.50E 0 3.5L,3.4L
LDG X 10 07 32 01.2–.22 50.18N 12.45E 10–0 3.5L,3.4L
CLL X 10 07 32 01.7–.39 50N–1.0 12E–2.0 8–1 2.9L,3.4L
WBNET X 10 07 32 01.4 50.22N 12.45E 10 2.0L,3.4L
PRU X 10 07 32 01.8 50.20N 12.50E 0 2.0L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=173.2.
VIE Error ellipse: s-maj=7.5km s-min=1.9km az=49.0. 7 km E of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=134.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=102.0.
NEIC Event type se. After PRU.
LDG Event type ke. Error ellipse: s-maj=9.3km s-min=3.1km az=162.0.
PRU West Bohemia Swarm-felt.

WBNET X **10 07 56 44.3 50.21N 12.45E 10 1.0L**
PRU X 10 07 56 44.5 50.20N 12.46E 2 1.0L **¶15226005**
PRU West Bohemia Swarm.

WBNET X **10 08 00 09.2 50.21N 12.45E 10 1.0L**
PRU X 10 08 00 09.2 50.20N 12.53E 0 1.0L **¶11345949**
PRU West Bohemia Swarm.

WBNET X **10 08 01 26.3 50.21N 12.44E 10 1.0L**
¶15226001

WBNET X **10 08 03 25.5 50.21N 12.46E 10 1.0L**
PRU X 10 08 03 25.8 50.22N 12.49E 3 1.0L **¶11345950**
PRU West Bohemia Swarm.

ISC X 10 08 08 45.4–.13 50.215N–.01 12.42E–.01 13–1 3.7b 836 0-38
MOS X 10 08 08 43.3–1.1 50.28N 12.34E 11 4.3b **¶11344593**
IDC X 10 08 08 44.6–.91 50.22N 12.47E 0 3.9b,3.8
ISCJB X 10 08 08 44.4–.13 50.179N–.01 12.38E–.01 14–1 3.7b,3.8
VIE X 10 08 08 45.1–.21 50.18N 12.44E 9–1 4.3L,3.4b
IPEC X 10 08 08 45.3–.11 50.19N 12.51E 5–1 4.1L,3.4b
CSEM X 10 08 08 45.4–.09 50.21N 12.42E 12–0 4.6L,4.0L
LDG X 10 08 08 45.3–.08 50.18N 12.45E 10–0 4.4L,4.0L

NEIC X 10 08 08 45.9 50.21N 12.46E 10 4.4L,4.1L
BGR X 10 08 08 45.1–.23 50.21N 12.45E 11–2 4.2L,4.1L
WBNET X 10 08 08 46.2 50.21N 12.44E 10 3.0L,4.1L
CLL X 10 08 08 46.6–.36 50N–1.0 12E–2.0 8–1 3.9L,4.1L
PRU X 10 08 08 46.2 50.20N 12.51E 1 3.9L,4.1L
BNS X 10 08 08 47.4–.33 50.15N 12.35E 5 4.0L,4.1L
LEDBW X 10 08 08 48.5–1.1 50.03N–.09 12.36E–.08 10–0 4.1L,4.1L
ISC Event type fe.
ISCJB Event type fe.
VIE 5 km SSW of Klingenthal .
IPEC Event type ke.
CSEM Event type ke.
LDG Event type ke.
NEIC Event type fe. Felt in the Sokolov-Karlovy Vary area. Also felt in the Klingenthal-Rodewisch area, Germany. After SZGRF.
BGR Event type ke.
PRU West Bohemia Swarm-felt.
BNS Event type ke.
ISC X 10 08 12 04.3–.48 50.21N–.02 12.47E–.03 12–3 116 0-2
ISCJB X 10 08 12 03.8–.33 50.21N–.02 12.48E–.03 13–2 ¶11345951
WBNET X 10 08 12 04.9 50.22N 12.45E 10 2.0L
CSEM X 10 08 12 04.3–.06 50.21N 12.47E 10 2.6L
BGR X 10 08 12 04.5–.26 50.22N 12.45E 11–1 2.6L
CLL X 10 08 12 05.2–.37 50N–1.0 12E–2.0 8–1 2.4L
PRU X 10 08 12 05.1 50.20N 12.46E 2 2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=150.9.
CSEM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=121.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=117.0.
PRU West Bohemia Swarm-felt.
ISC X 10 08 13 20.9–.52 50.20N–.02 12.46E–.04 10–3 76 0-1
ISCJB X 10 08 13 20.3–.43 50.21N–.02 12.47E–.04 12–3 ¶13921133
CSEM X 10 08 13 20.6 50.20N 12.46E 11 2.0L
BGR X 10 08 13 20.6–.28 50.20N 12.46E 11–2 2.0L
WBNET X 10 08 13 21.2 50.21N 12.45E 10 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=173.1.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=102.0.
WBNET X 10 08 17 32.2 50.21N 12.46E 9 1.0L
¶15226027
ISC X 10 08 25 17.8–.98 50.20N–.04 12.47E–.05 11–5 23 0-1
ISCJB X 10 08 25 17.4–.55 50.20N–.04 12.52E–.04 10 ¶11345952
CSEM X 10 08 25 18.5 50.19N 12.47E 2
WBNET X 10 08 25 18.3 50.20N 12.46E 10 1.0L
PRU X 10 08 25 18.5 50.19N 12.47E 2 1.0L
ISCJB Error ellipse: s-maj=5.3km s-min=3.9km az=18.8.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm-felt.
WBNET X 10 08 27 09.4 50.21N 12.46E 10 1.0L
¶15226035
ISC X 10 08 28 31.8–.46 50.22N–.02 12.46E–.03 12–3 91 0-1
ISCJB X 10 08 28 31.2–.37 50.21N–.02 12.48E–.03 13–2 ¶11345953
CSEM X 10 08 28 31.8–.05 50.21N 12.47E 10 2.2L
BGR X 10 08 28 31.9–.26 50.21N 12.45E 10–2 2.2L
WBNET X 10 08 28 32.4 50.22N 12.45E 9 1.0L
PRU X 10 08 28 32.8 50.20N 12.46E 0 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=166.7.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=82.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=110.0.
PRU West Bohemia Swarm.
ISC X 10 08 30 22.4–.47 50.21N–.02 12.47E–.03 11–3 109 0-2
ISCJB X 10 08 30 21.7–.37 50.21N–.02 12.49E–.03 13–3 ¶11345954
CSEM X 10 08 30 22.4–.03 50.21N 12.46E 10 2.2L
BGR X 10 08 30 22.4–.24 50.21N 12.45E 11–1 2.2L
WBNET X 10 08 30 22.8 50.22N 12.44E 10 2.0L
CLL X 10 08 30 23.2–.37 50N–1.0 12E–2.0 8–1 2.0L
PRU X 10 08 30 23.0 50.21N 12.49E 1 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=12.8.
CSEM Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=114.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=112.0.
PRU West Bohemia Swarm.
WBNET X 10 08 32 42.2 50.23N 12.46E 9 1.0L
¶15226037
WBNET X 10 08 38 19.9 50.21N 12.46E 10 1.0L
¶15226042
ISC X 10 08 43 15.3–.43 50.22N–.02 12.46E–.03 11–3 120 0-3
ISCJB X 10 08 43 14.7–.29 50.21N–.01 12.48E–.03 12–2 ¶13987997
VIE X 10 08 43 14.5–.51 50.21N 12.50E 10–3 2.4L,2.0b
BGR X 10 08 43 15.4–.23 50.22N 12.44E 11–1 2.3L,2.0b
WBNET X 10 08 43 15.8 50.22N 12.45E 10 2.0L,2.0b
CSEM X 10 08 43 15.2–.08 50.21N 12.47E 10 3.2L,2.0b
CLL X 10 08 43 16.1–.37 50N–1.0 12E–2.0 8–1 2.2L,2.0b
PRU X 10 08 43 16.1 50.20N 12.47E 1 2.2L,2.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=155.1.
VIE Error ellipse: s-maj=9.5km s-min=1.6km az=52.0. 4 km ESE of Klingenthal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=70.0.
PRU West Bohemia Swarm.
WBNET X 10 08 43 44.3 50.22N 12.44E 9 1.0L
¶15226045
WBNET X 10 08 43 53.3 50.22N 12.44E 9 1.0L
¶15226054
ISC X 10 08 43 55.7–.52 50.22N–.02 12.46E–.03 11–3 98 0-1
ISCJB X 10 08 43 55.2–.40 50.22N–.02 12.47E–.03 13–2 ¶13921134
CSEM X 10 08 43 55.7 50.22N 12.45E 11 2.3L
BGR X 10 08 43 55.7–.25 50.22N 12.45E 11–1 2.3L
CLL X 10 08 43 56.4–.37 50N–1.0 12E–2.0 8–1 2.1L
WBNET X 10 08 43 56.1 50.22N 12.44E 10 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=175.9.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=102.0.
ISC X 10 08 45 24.9–.44 50.21N–.02 12.47E–.03 12–3 122 0-3
VIE X 10 08 45 23.9–.42 50.20N 12.50E 12–2 2.1L ¶11345956
CSEM X 10 08 45 24.8–.06 50.21N 12.47E 10 3.1L
ISCJB X 10 08 45 24.3–.30 50.21N–.01 12.49E–.03 12–2 3.1L
CLL X 10 08 45 25.8–.39 50N–1.0 12E–2.0 8–1 2.1L
WBNET X 10 08 45 25.5 50.22N 12.45E 10 1.0L
BGR X 10 08 45 25.1–.23 50.22N 12.44E 11–1 2.3L
PRU X 10 08 45 25.6 50.21N 12.52E 0 2.3L
ISC Event type ke.
VIE Error ellipse: s-maj=7.4km s-min=1.3km az=52.0. 4 km SE of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=84.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=158.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
PRU West Bohemia Swarm.
ISC X 10 08 46 57.9–.56 50.22N–.02 12.45E–.04 10–3 72 0-1
ISCJB X 10 08 46 57.4–.42 50.22N–.02 12.47E–.04 12–2 ¶13921136
CSEM X 10 08 46 57.9 50.22N 12.45E 10 2.2L
BGR X 10 08 46 57.9–.29 50.22N 12.45E 10–1 2.2L
WBNET X 10 08 46 58.2 50.22N 12.45E 9 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=173.1.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=118.0.
WBNET X 10 08 47 46.2 50.21N 12.45E 11 1.0L
CSEM X 10 08 47 46.1 50.21N 12.44E 11 2.0L ¶13921137
BGR X 10 08 47 46.1–.32 50.21N 12.44E 11–1 2.0L
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=133.0.
WBNET X 10 09 41 21.4 50.20N 12.46E 11 1.0L
¶15226104
WBNET X 10 09 46 15.8 50.22N 12.45E 9 0.0L
¶15226113
ISC X 10 09 55 07.7–.42 50.21N–.01 12.48E–.03 12–3 124 0-3
VIE X 10 09 55 06.8–.51 50.18N 12.46E 12–4 2.5L ¶11345962
CSEM X 10 09 55 07.7–.06 50.20N 12.48E 10 3.1L
BGR X 10 09 55 08.0–.24 50.21N 12.45E 11–2 2.6L
ISCJB X 10 09 55 07.1–.33 50.20N–.01 12.50E–.03 13–2 2.6L
CLL X 10 09 55 08.6–.39 50N–1.0 12E–2.0 8–1 2.4L
WBNET X 10 09 55 08.3 50.20N 12.45E 10 1.0L
PRU X 10 09 55 08.5 50.19N 12.51E 0 1.0L
ISC Event type ke.
VIE Error ellipse: s-maj=8.7km s-min=1.5km az=52.0. 6 km S of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=72.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=172.9.
PRU West Bohemia Swarm.
WBNET X 10 11 18 17.9 50.22N 12.44E 10 1.0L
¶15226156
ISC X 10 11 18 40.8–.17 50.20N–.01 12.45E–.02 12–1 356 0-8
ISCJB X 10 11 18 40.0–.17 50.18N–.01 12.43E–.02 13–1 ¶11345966
VIE X 10 11 18 40.6–.36 50.19N 12.45E 10–0 3.8L,2.6b
BGR X 10 11 18 40.6–.23 50.22N 12.45E 11–2 3.5L,2.6b
CSEM X 10 11 18 40.8–.10 50.20N 12.45E 10 3.2L,2.6b
PRU X 10 11 18 41.8 50.21N 12.51E 0 3.2L,2.6b
CLL X 10 11 18 41.9–.39 50N–1.0 12E–2.0 8–1 3.3L,2.6b
LDG X 10 11 18 41.0–.10 50.21N 12.42E 10–0 3.7L,2.6b
WBNET X 10 11 18 41.6 50.22N 12.44E 10 3.0L,2.6b
NEIC X 10 11 18 41.6 50.23N 12.45E 9 3.7L,3.7L
BNS X 10 11 18 43.9–.50 49.84N 12.23E 5 3.2L,3.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.8km az=6.9.
VIE Error ellipse: s-maj=8.4km s-min=2.3km az=58.0. 5 km S of Klingenthal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=119.0.
PRU West Bohemia Swarm-felt.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=131.0.
NEIC Event type fe. Felt at Klingenthal, Germany. After SZGRF.
BNS Event type ke.
WBNET X 10 11 22 44.3 50.21N 12.46E 10 1.0L
¶15226163
WBNET X 10 11 27 04.1 50.21N 12.46E 10 1.0L
¶15226167
WBNET X 10 11 29 18.0 50.22N 12.46E 10 1.0L
¶15226174
WBNET X 10 11 30 39.5 50.21N 12.46E 10 1.0L
CSEM X 10 11 30 39.6 50.20N 12.51E 0 1.0L ¶11345968
PRU X 10 11 30 39.6 50.20N 12.51E 0 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
ISC X 10 12 33 31.4–.45 50.22N–.02 12.47E–.03 12–3 99 0-2
ISCJB X 10 12 33 30.9–.30 50.22N–.02 12.49E–.03 13–2 ¶11345974
CSEM X 10 12 33 31.4–.06 50.21N 12.48E 10 2.8L
BGR X 10 12 33 31.6–.23 50.23N 12.45E 12–2 2.0L
WBNET X 10 12 33 32.0 50.22N 12.45E 10 1.0L
PRU X 10 12 33 32.4 50.21N 12.49E 0 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=154.1.
CSEM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=75.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=111.0.
PRU West Bohemia Swarm.
ISC X 10 13 51 34.1–.25 50.21N–.01 12.49E–.02 13–2 200 0-6
ISCJB X 10 13 51 33.6–.26 50.21N–.01 12.51E–.02 13–2 ¶11345982
WBNET X 10 13 51 35.0 50.22N 12.45E 10 2.0L
CSEM X 10 13 51 34.0–.11 50.20N 12.48E 10 3.5L
BGR X 10 13 51 34.5–.23 50.22N 12.44E 11–2 2.8L
LDG X 10 13 51 34.4–.20 50.22N 12.42E 10–0 3.1L
NEIC X 10 13 51 35.1 50.21N 12.51E 0 3.1L,3.0L
CLL X 10 13 51 35.2–.38 50N–1.0 12E–2.0 8–1 2.6L,3.0L
PRU X 10 13 51 35.1 50.21N 12.51E 0 2.6L,3.0L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.3km az=8.6.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=100.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=3.5km az=157.0.
NEIC Event type fe. Felt at Klingenthal and Zwota, Germany. After PRU.
PRU West Bohemia Swarm-felt.
WBNET X 10 13 51 35.4 50.22N 12.45E 10 2.0L
¶15226385
WBNET X 10 13 53 48.2 50.21N 12.46E 10 1.0L
CSEM X 10 13 53 48.6 50.20N 12.48E 0 1.0L ¶11345983
PRU X 10 13 53 48.6 50.20N 12.48E 0 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
WBNET X 10 13 57 04.0 50.22N 12.46E 10 0.0L
¶15509413
ISC X 10 14 12 04.5–.45 50.21N–.02 12.46E–.03 13–3 99 0-2
ISCJB X 10 14 12 04.2–.27 50.21N–.01 12.50E–.03 10 ¶11345984
CSEM X 10 14 12 04.5–.07 50.20N 12.48E 10 2.8L
BGR X 10 14 12 04.7–.23 50.22N 12.44E 12–2 2.1L
WBNET X 10 14 12 05.2 50.21N 12.45E 10 1.0L
PRU X 10 14 12 05.2 50.19N 12.44E 2 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.1km az=165.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=75.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
PRU West Bohemia Swarm.
WBNET X 10 14 14 48.5 50.21N 12.46E 10 1.0L
¶15226233
ISC X 10 14 28 32.7–.43 50.22N–.02 12.47E–.03 12–3 124 0-2
CSEM X 10 14 28 32.7–.07 50.21N 12.49E 10 3.1L ¶11345985
BGR X 10 14 28 32.9–.23 50.22N 12.45E 11–2 2.3L
ISCJB X 10 14 28 32.2–.31 50.22N–.01 12.49E–.03 13–2 2.3L
WBNET X 10 14 28 33.4 50.22N 12.45E 10 2.0L
CLL X 10 14 28 33.7–.37 50N–1.0 12E–2.0 8–1 2.1L
PRU X 10 14 28 33.6 50.21N 12.51E 0 2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=68.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=156.7.
PRU West Bohemia Swarm.
WBNET X 10 14 33 23.3 50.20N 12.46E 11 1.0L
PRU X 10 14 33 23.8 50.19N 12.46E 2 1.0L ¶11345986
PRU West Bohemia Swarm.
WBNET X 10 14 34 57.9 50.22N 12.46E 10 1.0L
PRU X 10 14 34 58.4 50.21N 12.48E 1 1.0L ¶11345987
PRU West Bohemia Swarm.
WBNET X 10 14 43 05.0 50.21N 12.46E 10 1.0L
CSEM X 10 14 43 05.2 50.20N 12.45E 3 1.0L ¶11345988
PRU X 10 14 43 05.2 50.20N 12.45E 3 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
ISC X 10 14 52 02.4–.44 50.21N–.02 12.47E–.03 13–3 121 0-2
CSEM X 10 14 52 02.4–.06 50.21N 12.49E 10 3.2L ¶11345989
ISCJB X 10 14 52 02.1–.27 50.21N–.01 12.51E–.03 10 3.2L
BGR X 10 14 52 02.7–.23 50.22N 12.44E 12–2 2.4L
CLL X 10 14 52 03.4–.39 50N–1.0 12E–2.0 8–1 2.2L

WBNET X 10 14 52 03.2 50.22N 12.45E 10 2.0L
PRU X 10 14 52 03.3 50.19N 12.50E 2 2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=165.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
PRU West Bohemia Swarm.
WBNET X 10 16 19 53.1 50.22N 12.44E 10 0.0L
¶15657077

ISC X 10 16 20 34.7–.41 50.21N–.02 12.49E–.03 13–3 121 0-4
CSEM X 10 16 20 34.8–.06 50.20N 12.49E 10 3.3L **¶11345992**
ISCJB X 10 16 20 34.2–.28 50.20N–.02 12.54E–.02 10 3.3L
WBNET X 10 16 20 35.4 50.21N 12.45E 11 2.0L
BGR X 10 16 20 35.1–.23 50.22N 12.44E 12–2 2.6L
CLL X 10 16 20 35.7–.39 50N–1.0 12E–2.0 9–1 2.3L
PRU X 10 16 20 35.8 50.21N 12.51E 1 2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=62.0.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=140.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
PRU West Bohemia Swarm.
ISC X 10 16 22 18.9–.45 50.21N–.02 12.48E–.03 12–3 114 0-2
CSEM X 10 16 22 18.8–.08 50.21N 12.50E 10 2.8L **¶11345993**
ISCJB X 10 16 22 18.3–.35 50.21N–.02 12.51E–.03 12–3 2.8L
CLL X 10 16 22 19.9–.36 50N–1.0 12E–2.0 8–1 2.0L
WBNET X 10 16 22 19.6 50.22N 12.45E 10 1.0L
PRU X 10 16 22 19.7 50.22N 12.52E 2 1.0L
BGR X 10 16 22 19.2–.23 50.22N 12.44E 11–2 2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=12.0.
PRU West Bohemia Swarm.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
ISC X 10 17 55 16.0–.43 50.21N–.02 12.48E–.03 13–3 120 0-3
ISCJB X 10 17 55 15.6–.29 50.21N–.01 12.50E–.03 12–2 **¶11346001**
CSEM X 10 17 55 16.2–.06 50.20N 12.48E 10 3.0L
WBNET X 10 17 55 16.9 50.21N 12.45E 10 2.0L
BGR X 10 17 55 16.5–.23 50.22N 12.44E 12–2 2.2L
CLL X 10 17 55 17.1–.32 50.2N–.90 12E–2.0 9–1 2.0L
PRU X 10 17 55 17.1 50.20N 12.51E 0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=151.6.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=74.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
PRU West Bohemia Swarm.
ISC X 10 19 08 31.3–.17 50.20N–.01 12.45E–.02 12–1 325 0-10
ISCJB X 10 19 08 30.5–.17 50.19N–.01 12.45E–.02 13–1 **¶11346002**
VIE X 10 19 08 31.1–.23 50.18N 12.44E 10–0 3.5L,2.4b
CSEM X 10 19 08 31.0–.10 50.18N 12.44E 10 3.5L,2.4b
BGR X 10 19 08 31.2–.23 50.22N 12.44E 11–2 3.3L,2.4b
LDG X 10 19 08 31.3–.14 50.22N 12.49E 10–0 3.4L,2.4b
NEIC X 10 19 08 32.4 50.20N 12.50E 0 3.4L,3.4L
CLL X 10 19 08 32.5–.39 50N–1.0 12E–2.0 8–1 3.0L,3.4L
WBNET X 10 19 08 32.2 50.22N 12.44E 10 2.0L,3.4L
PRU X 10 19 08 32.4 50.20N 12.50E 0 2.0L,3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=3.9.
VIE Error ellipse: s-maj=4.0km s-min=1.6km az=58.0. 6 km SSW of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=119.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=2.4km az=163.0.
NEIC Event type se. After PRU.
PRU West Bohemia Swarm-felt.
ISC X 10 19 14 08.5–.28 50.21N–.02 12.46E–.02 15–2 164 0-6
CSEM X 10 19 14 08.4–.09 50.20N 12.45E 15 2.6L **¶11346003**
ISCJB X 10 19 14 08.1–.24 50.20N–.01 12.50E–.02 14–2 2.6L
PRU X 10 19 14 09.7 50.21N 12.51E 0 2.6L
BGR X 10 19 14 09.1–.24 50.21N 12.46E 11–2 2.6L
WBNET X 10 19 14 09.6 50.22N 12.45E 10 2.0L
CLL X 10 19 14 09.8–.40 50N–1.0 12E–2.0 8–1 2.4L
NEIC X 10 19 14 09.7 50.21N 12.51E 0 2.7L,2.7L
LDG X 10 19 14 12.3–.23 50.08N 12.26E 10–0 2.7L,2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=116.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=154.9.
PRU West Bohemia Swarm.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
NEIC Event type se. After PRU.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=146.0.
WBNET X 10 19 16 21.4 50.22N 12.46E 10 1.0L
¶15226283

WBNET X 10 19 17 55.1 50.22N 12.46E 10 0.0L
¶15226287

WBNET X 10 19 18 05.7 50.21N 12.46E 10 1.0L
¶15226290

WBNET X 10 19 18 33.9 50.22N 12.46E 9 1.0L
¶15226303

WBNET X 10 19 18 33.2 50.21N 12.46E 9 0.0L
¶15226300

WBNET X 10 19 19 24.3 50.22N 12.46E 9 1.0L
CSEM X 10 19 19 24.7 50.21N 12.49E 0 1.0L **¶11346004**
PRU X 10 19 19 24.7 50.21N 12.49E 0 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
WBNET X 10 19 21 20.5 50.22N 12.45E 10 1.0L
¶15226299

WBNET X 10 19 22 29.5 50.22N 12.46E 9 0.0L
¶15226295

ISC X 10 19 24 11.7–.44 50.22N–.02 12.47E–.03 12–3 100 0-2
ISCJB X 10 19 24 11.1–.36 50.22N–.02 12.49E–.03 13–2 **¶11346005**
CSEM X 10 19 24 11.6–.08 50.21N 12.49E 10 2.9L
BGR X 10 19 24 11.9–.23 50.22N 12.45E 12–2 2.1L
WBNET X 10 19 24 12.4 50.22N 12.45E 9 1.0L
PRU X 10 19 24 12.5 50.21N 12.50E 0 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=166.2.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=68.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=111.0.
PRU West Bohemia Swarm.
WBNET X 10 19 38 42.9 50.20N 12.46E 9 1.0L
CSEM X 10 19 38 43.4 50.20N 12.48E 0 1.0L **¶11346006**
PRU X 10 19 38 43.4 50.20N 12.48E 0 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
WBNET X 10 19 45 13.2 50.22N 12.45E 10 1.0L
CSEM X 10 19 45 13.4 50.21N 12.51E 0 1.0L **¶11346007**
PRU X 10 19 45 13.4 50.21N 12.51E 0 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
WBNET X 10 19 51 40.7 50.22N 12.45E 10 1.0L
CSEM X 10 19 51 41.1 50.21N 12.48E 0 1.0L **¶11346008**
PRU X 10 19 51 41.1 50.21N 12.48E 0 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
WBNET X 10 21 38 50.4 50.22N 12.46E 10 1.0L
PRU X 10 21 38 50.7 50.24N 12.41E 4 1.0L **¶15226311**
PRU West Bohemia Swarm.
ISC X 10 21 41 39.7–.27 50.21N–.01 12.45E–.02 15–2 181 0-6
CSEM X 10 21 41 39.6–.09 50.20N 12.44E 15 2.8L **¶11346015**
VIE X 10 21 41 39.2–.37 50.21N 12.51E 12–3 2.9L
ISCJB X 10 21 41 39.2–.23 50.20N–.01 12.49E–.02 13–2 2.9L

WBNET X 10 21 41 40.7 50.22N 12.44E 10 2.0L
BGR X 10 21 41 40.3–.23 50.22N 12.44E 11–2 2.7L
CLL X 10 21 41 41.0–.38 50N–1.0 12E–2.0 8–1 2.5L
PRU X 10 21 41 41.1 50.22N 12.47E 0 2.5L
NEIC X 10 21 41 41.1 50.22N 12.47E 0 2.8L,2.4L
LDG X 10 21 41 43.5–.29 50.10N 12.29E 10–0 2.8L,2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=120.0.
VIE Error ellipse: s-maj=4.2km s-min=1.6km az=53.0. 5 km ESE of Klingenthal .
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=160.1.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
PRU West Bohemia Swarm-felt.
NEIC Event type se. After PRU.
LDG Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=158.0.
ISC X 10 22 01 52.4–.44 50.22N–.02 12.47E–.03 12–3 99 0-2
ISCJB X 10 22 01 51.9–.34 50.22N–.02 12.49E–.03 13–2 **¶11346016**
CSEM X 10 22 01 52.4–.06 50.22N 12.48E 10 2.7L
BGR X 10 22 01 52.6–.23 50.23N 12.45E 12–2 2.0L
WBNET X 10 22 01 53.1 50.22N 12.45E 9 1.0L
PRU X 10 22 01 53.4 50.22N 12.50E 0 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.5km az=160.0.
CSEM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=76.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=111.0.
PRU West Bohemia Swarm.
WBNET X 10 22 03 59.4 50.22N 12.44E 9 1.0L
¶15226340

ISC X 10 22 19 04.6–.28 50.21N–.02 12.46E–.02 14–2 167 0-6
ISCJB X 10 22 19 04.2–.24 50.21N–.01 12.49E–.02 14–2 **¶11346017**
CSEM X 10 22 19 04.5–.11 50.21N 12.43E 15 3.4L
PRU X 10 22 19 05.9 50.21N 12.50E 0 3.4L
NEIC X 10 22 19 05.9 50.21N 12.50E 0 2.7L,2.6L
BGR X 10 22 19 05.2–.23 50.22N 12.44E 11–2 2.6L,2.6L
CLL X 10 22 19 05.9–.39 50N–1.0 12E–2.0 8–1 2.4L,2.6L
WBNET X 10 22 19 05.6 50.22N 12.45E 10 2.0L,2.6L
LDG X 10 22 19 08.2–.23 50.10N 12.30E 10–0 2.7L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=138.5.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=102.0.
PRU West Bohemia Swarm.
NEIC Event type se. After PRU.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=162.0.
ISC X 10 22 36 53.6–.43 50.22N–.02 12.47E–.03 12–3 118 0-3
CSEM X 10 22 36 53.7–.07 50.21N 12.48E 10 3.1L **¶11346018**
BGR X 10 22 36 53.9–.23 50.22N 12.45E 12–2 2.2L
ISCJB X 10 22 36 53.1–.30 50.21N–.01 12.49E–.03 13–2 2.2L
WBNET X 10 22 36 54.4 50.22N 12.45E 10 2.0L
CLL X 10 22 36 54.6–.40 50N–1.0 12E–2.0 8–1 2.0L
PRU X 10 22 36 54.7 50.21N 12.48E 0 2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=78.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=111.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=155.3.
PRU West Bohemia Swarm.
WBNET X 10 22 39 01.1 50.21N 12.46E 10 1.0L
¶15226365

ISC X 11 01 34 37.6–.23 50.21N–.01 12.45E–.02 15–1 228 0-7
ISCJB X 11 01 34 36.5–.23 50.14N–.01 12.43E–.02 10 **¶11349012**
VIE X 11 01 34 37.2–.65 50.18N 12.48E 11–5 2.7L
CSEM X 11 01 34 37.5–.10 50.19N 12.45E 15 3.2L
NEIC X 11 01 34 38.4 50.21N 12.46E 10 2.8L,2.7L
WBNET X 11 01 34 38.8 50.22N 12.45E 9 2.0L,2.7L
LDG X 11 01 34 38.3–.18 50.23N 12.42E 10–0 2.8L,2.7L
BGR X 11 01 34 38.4–.23 50.22N 12.45E 10–2 2.5L,2.7L
PRU X 11 01 34 39.0 50.20N 12.49E 0 2.5L,2.7L
CLL X 11 01 34 39.1–.41 50N–1.0 12E–2.0 7–1 2.1L,2.7L
ISC Event type ke.
ISCJB Event type ke.
VIE 5 km SSE of Klingenthal .
CSEM Event type ke.
NEIC Event type se. After SZGRF.
LDG Event type ke.
BGR Event type ke.
PRU West Bohemia Swarm-felt.
WBNET X 11 03 11 11.0 50.21N 12.46E 10 1.0L
CSEM X 11 03 11 11.4 50.20N 12.47E 1 1.0L **¶11369881**
PRU X 11 03 11 11.4 50.20N 12.47E 1 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
ISC X 11 05 07 09.7–.43 50.22N–.02 12.47E–.03 12–3 122 0-2
CSEM X 11 05 07 09.7–.07 50.21N 12.49E 10 3.0L **¶11369891**
ISCJB X 11 05 07 09.1–.34 50.22N–.02 12.49E–.03 13–2 3.0L
BGR X 11 05 07 09.9–.23 50.22N 12.45E 11–2 2.3L
CLL X 11 05 07 10.7–.38 50N–1.0 12E–2.0 8–1 2.1L
WBNET X 11 05 07 10.4 50.23N 12.44E 9 2.0L
PRU X 11 05 07 10.6 50.21N 12.50E 0 2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=69.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=160.3.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=111.0.
PRU West Bohemia Swarm.
ISC X 11 05 13 26.5–.43 50.22N–.02 12.47E–.03 12–3 120 0-2
ISCJB X 11 05 13 26.0–.34 50.22N–.02 12.49E–.03 13–2 **¶11369893**
CSEM X 11 05 13 26.5–.07 50.22N 12.49E 10 2.9L
BGR X 11 05 13 26.8–.23 50.23N 12.45E 12–2 2.2L
WBNET X 11 05 13 27.2 50.23N 12.44E 9 2.0L
CLL X 11 05 13 27.5–.38 50N–1.0 12E–2.0 8–1 2.0L
PRU X 11 05 13 27.4 50.21N 12.51E 0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=160.6.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=69.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=111.0.
PRU West Bohemia Swarm.
WBNET X 11 05 13 35.2 50.23N 12.44E 9 0.0L
¶15261202

WBNET X 11 05 14 34.1 50.22N 12.44E 10 0.0L
¶15611947

WBNET X 11 05 14 39.2 50.22N 12.44E 9 0.0L
¶15226728

WBNET X 11 05 14 43.2 50.23N 12.44E 9 1.0L
CSEM X 11 05 14 43.2 50.21N 12.51E 0 1.0L **¶15226733**
PRU X 11 05 14 43.2 50.21N 12.51E 0 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
ISC X 11 05 55 00.9–.27 50.22N–.01 12.47E–.02 15–2 172 0-5
CSEM X 11 05 55 00.8–.09 50.21N 12.46E 15 3.0L **¶11349035**
VIE X 11 05 55 00.0–.72 50.21N 12.55E 12–6 2.6L,2.1b
ISCJB X 11 05 55 00.3–.23 50.21N–.01 12.49E–.02 14–1 2.6L,2.1b
WBNET X 11 05 55 02.0 50.23N 12.44E 9 2.0L,2.1b
BGR X 11 05 55 01.5–.23 50.23N 12.45E 12–2 2.5L,2.1b
CLL X 11 05 55 02.2–.36 50.2N–.90 12E–2.0 8–1 2.3L,2.1b
PRU X 11 05 55 02.2 50.21N 12.50E 0 2.3L,2.1b
NEIC X 11 05 55 02.2 50.21N 12.50E 0 2.7L,2.6L
LDG X 11 05 55 03.8–.20 50.12N 12.27E 10–0 2.7L,2.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=72.0.
VIE Error ellipse: s-maj=12.2km s-min=3.1km az=50.0. 7 km ESE of Klingenthal .
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=155.5.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=111.0.
PRU West Bohemia Swarm.

NEIC Event type se. After PRU.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=3.0km az=162.0.
WBNET X 11 07 34 38.8 50.22N 12.45E 10 0.0L ¶15226781

WBNET X 11 07 34 39.4 50.23N 12.44E 10 1.0L
PRU X 11 07 34 39.3 50.21N 12.53E 0 1.0L ¶11369900
PRU West Bohemia Swarm.
ISC X 11 07 48 31.0–.43 50.22N–.02 12.47E–.03 12–3 120 0-2
ISCJB X 11 07 48 30.5–.34 50.22N–.02 12.49E–.03 13–2 ¶11369902
CLL X 11 07 48 31.9–.38 50N–1.0 12E–2.0 8–1 2.0L
PRU X 11 07 48 31.9 50.21N 12.50E 0 2.0L
BGR X 11 07 48 31.2–.23 50.23N 12.45E 11–2 2.1L
WBNET X 11 07 48 31.7 50.23N 12.44E 9 1.0L
CSEM X 11 07 48 31.0–.05 50.21N 12.48E 10 2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=160.8.
PRU West Bohemia Swarm.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=111.0.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=63.0.
ISC X 11 11 13 27.1–.26 50.21N–.02 12.46E–.02 16–1 203 0-7
ISCJB X 11 11 13 26.9–.25 50.20N–.01 12.49E–.02 10 ¶11349043
LDG X 11 11 13 27.4–.15 50.22N 12.40E 10–0 2.9L
NEIC X 11 11 13 27.8 50.20N 12.46E 10 2.9L,2.5L
CSEM X 11 11 13 27.0–.11 50.21N 12.44E 18–1 2.6L,2.5L
BGR X 11 11 13 27.8–.23 50.22N 12.44E 11–2 2.6L,2.5L
PRU X 11 11 13 28.4 50.21N 12.51E 0 2.6L,2.5L
CLL X 11 11 13 28.5–.34 50.2N–.90 12E–2.0 8–1 2.4L,2.5L
WBNET X 11 11 13 28.3 50.22N 12.44E 10 2.0L,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=164.0.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=149.0.
NEIC Event type se. After SZGRF.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=2.6km az=123.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
PRU West Bohemia Swarm.
WBNET X 12 01 30 19.6 50.21N 12.45E 9 0.0L ¶15226847

WBNET X 12 06 37 26.6 50.22N 12.44E 11 1.0L ¶15226861

ISC X 12 06 39 47.3–.21 50.20N–.01 12.45E–.02 15–1 254 0-7
ISCJB X 12 06 39 46.6–.25 50.16N–.02 12.38E–.03 15–2 ¶11349087
IPEC X 12 06 39 47.9–.09 50.21N 12.52E 4–1 2.2L
CSEM X 12 06 39 47.1–.11 50.18N 12.44E 15 2.8L
WBNET X 12 06 39 48.6 50.22N 12.44E 9 2.0L
PRU X 12 06 39 48.6 50.21N 12.52E 0 2.0L
CLL X 12 06 39 48.9–.39 50N–1.0 12E–2.0 8–1 2.5L
BGR X 12 06 39 48.2–.23 50.22N 12.44E 11–2 2.7L
NEIC X 12 06 39 48.1 50.20N 12.46E 10 2.8L,2.7L
LDG X 12 06 39 50.9–.15 50.09N 12.29E 10–0 2.7L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=178.6.
IPEC Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=138.0.
PRU West Bohemia Swarm.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
NEIC Event type se. After SZGRF.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=161.0.
WBNET X 12 07 00 49.1 50.21N 12.46E 9 0.0L ¶15261203

WBNET X 12 07 00 58.4 50.21N 12.46E 9 1.0L
PRU X 12 07 00 58.5 50.20N 12.46E 2 1.0L ¶11369932
PRU West Bohemia Swarm.
WBNET X 12 07 02 04.3 50.20N 12.46E 9 1.0L ¶15226863

WBNET X 12 07 02 58.6 50.21N 12.45E 9 1.0L
PRU X 12 07 02 58.7 50.20N 12.46E 0 1.0L ¶11369933
PRU West Bohemia Swarm.
WBNET X 12 07 04 20.2 50.21N 12.46E 9 0.0L ¶15226878

WBNET X 12 07 06 13.9 50.20N 12.46E 9 0.0L ¶15226895

ISC X 12 07 08 44.6–.28 50.20N–.02 12.44E–.03 14–2 180 0-6
CSEM X 12 07 08 44.6–.09 50.20N 12.42E 15 2.2L ¶11349091
IPEC X 12 07 08 44.7–.09 50.22N 12.55E 3–1 2.2L
ISCJB X 12 07 08 44.2–.26 50.20N–.02 12.46E–.03 15–2 2.2L
WBNET X 12 07 08 45.5 50.20N 12.46E 9 2.0L
PRU X 12 07 08 45.8 50.20N 12.45E 2 2.0L
NEIC X 12 07 08 45.2 50.20N 12.46E 10 2.7L,2.4L
CLL X 12 07 08 45.9–.37 50N–1.0 12E–2.0 8–1 2.0L,2.4L
BGR X 12 07 08 45.1–.23 50.21N 12.45E 11–2 2.5L,2.4L
LDG X 12 07 08 45.3–.21 50.18N 12.45E 10–0 2.7L,2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=117.0.
IPEC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=37.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=163.8.
PRU West Bohemia Swarm.
NEIC Event type se. After SZGRF.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
LDG Event type ke. Error ellipse: s-maj=7.5km s-min=3.5km az=164.0.
ISC X 12 07 15 40.7–.42 50.20N–.02 12.47E–.03 11–3 91 0-3
ISCJB X 12 07 15 40.0–.37 50.20N–.02 12.48E–.03 13–3 ¶13921147
IPEC X 12 07 15 40.7–.09 50.20N 12.50E 4–1 2.0L
CSEM X 12 07 15 40.6–.04 50.20N 12.48E 10 2.0L
BGR X 12 07 15 40.8–.23 50.21N 12.45E 11–2 2.2L
WBNET X 12 07 15 41.2 50.20N 12.46E 9 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=169.5.
IPEC Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=76.0.
CSEM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=80.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
WBNET X 12 07 16 38.3 50.20N 12.46E 9 0.0L ¶15226899

ISC X 12 07 19 56.6–.17 50.18N–.01 12.47E–.02 10–1 329 0-7
ISCJB X 12 07 19 55.7–.18 50.17N–.01 12.47E–.02 12–1 ¶11349092
IPEC X 12 07 19 56.8–.07 50.19N 12.50E 3–0 3.1L
BGR X 12 07 19 56.4–.24 50.21N 12.46E 11–2 3.2L
VIE X 12 07 19 56.2–.47 50.16N 12.48E 10–0 3.4L,2.1b
LDG X 12 07 19 56.5–.16 50.21N 12.47E 10–0 3.5L,2.1b
CSEM X 12 07 19 56.4–.09 50.19N 12.45E 12 3.5L,2.1b
WBNET X 12 07 19 57.4 50.20N 12.46E 9 2.0L,2.1b
CLL X 12 07 19 57.7–.37 50N–1.0 12E–2.0 8–1 2.9L,2.1b
NEIC X 12 07 19 57.0 50.19N 12.46E 10 3.5L,3.3L
PRU X 12 07 19 57.9 50.19N 12.47E 1 3.5L,3.3L
BNS X 12 07 20 00.8–.44 50.01N 12.33E 5 2.9L,3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=153.2.
IPEC Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=63.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
VIE Error ellipse: s-maj=4.7km s-min=2.7km az=63.0. 8 km SSE of Klingenthal .
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=165.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=86.0.
NEIC Event type se. After SZGRF.
PRU West Bohemia Swarm.
BNS Event type ke.
WBNET X 12 07 20 36.2 50.20N 12.46E 10 2.0L
CLL X 12 07 20 36.6–.38 50N–1.0 12E–2.0 8–1 2.1L ¶13988000
PRU X 12 07 20 36.4 50.18N 12.41E 0 2.1L
PRU West Bohemia Swarm.
WBNET X 12 07 23 00.5 50.20N 12.46E 10 1.0L ¶15226901

WBNET X 12 07 25 50.9 50.23N 12.47E 9 1.0L ¶15226900

WBNET X 12 07 29 01.8 50.19N 12.47E 10 0.0L ¶15226910

WBNET X 12 07 32 51.8 50.20N 12.46E 10 1.0L ¶15226909

WBNET X 12 07 34 16.1 50.20N 12.46E 10 1.0L ¶15226911

WBNET X 12 07 34 57.5 50.21N 12.45E 10 0.0L ¶15226914

ISC X 12 07 35 02.0–.33 50.20N–.02 12.46E–.03 12–2 135 0-5
CSEM X 12 07 35 01.7–.10 50.21N 12.46E 15 2.3L ¶15027784
NEIC X 12 07 35 01.9–.70 50.18N 12.39E 10 2.6L
ISCJB X 12 07 35 01.5–.27 50.20N–.01 12.46E–.03 13–2 2.6L
LDG X 12 07 35 01.9–.17 50.23N 12.41E 10–0 2.6L
CLL X 12 07 35 02.9–.36 50N–1.0 12E–2.0 8–1 2.1L
BGR X 12 07 35 02.2–.23 50.21N 12.45E 11–2 2.3L
WBNET X 12 07 35 02.6 50.21N 12.45E 9 2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=94.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.8km az=123.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=4.5.
LDG Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=153.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
WBNET X 12 07 35 06.7 50.20N 12.45E 9 1.0L ¶15226918

WBNET X 12 07 35 07.1 50.20N 12.45E 10 1.0L ¶15226916

WBNET X 12 07 44 55.5 50.21N 12.45E 10 2.0L ¶15261204

ISC X 12 07 44 55.2–.13 50.187N–.01 12.42E–.01 13–1 646 0-76
BJI X 12 07 44 51.8 50.20N 12.40E 5 4.8s,4.8b ¶11346067
ISCJB X 12 07 44 53.9–.14 50.14N–.01 12.34E–.02 13–1 4.8s,4.8b
BGR X 12 07 44 55.2–.23 50.21N 12.45E 10–2 3.9L,4.8b
IPEC X 12 07 44 55.5–.06 50.19N 12.51E 3–0 3.7L,4.8b
CSEM X 12 07 44 55.2–.08 50.20N 12.43E 12 4.6L,4.8b
LDG X 12 07 44 55.2–.11 50.17N 12.45E 10–0 4.2L,4.8b
NEIC X 12 07 44 55.8 50.20N 12.47E 10 4.2L,4.1L
CLL X 12 07 44 56.6–.38 50N–1.0 12E–2.0 8–1 3.6L,4.1L
WBNET X 12 07 44 56.3 50.21N 12.45E 9 3.0L,4.1L
PRU X 12 07 44 56.4 50.20N 12.51E 0 3.0L,4.1L
BNS X 12 07 44 57.5–.48 50.01N 12.33E 5 3.8L,4.1L
LEDBW X 12 07 44 58.4–.60 50.04N–.06 12.33E–.05 10–0 4.0L,4.1L
ISC Event type fe.
ISCJB Event type fe.
BGR Event type ke.
IPEC Event type ke.
CSEM Event type ke.
LDG Event type ke.
NEIC Event type fe. Felt in the As-Sokolov area. Also felt at Selb and in the Klingenthal-Rodewisch area, Germany. After SZGRF.
PRU West Bohemia Swarm-felt.
BNS Event type ke.
WBNET X 12 07 48 19.3 50.21N 12.46E 9 0.0L ¶15226943

ISC X 12 07 49 44.8–.51 50.21N–.02 12.46E–.04 10–3 80 0-1
ISCJB X 12 07 49 44.1–.42 50.21N–.02 12.47E–.04 12–3 ¶13921148
CSEM X 12 07 49 44.8 50.22N 12.44E 11 2.0L
BGR X 12 07 49 44.8–.23 50.22N 12.44E 11–2 2.0L
WBNET X 12 07 49 45.0 50.21N 12.46E 10 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=12.1.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
ISC X 12 07 56 08.3–.31 50.20N–.02 12.47E–.03 14–2 149 0-5
ISCJB X 12 07 56 08.0–.30 50.19N–.02 12.49E–.03 13–2 ¶11349094
LDG X 12 07 56 08.2–.22 50.24N 12.32E 10–0 2.8L
IPEC X 12 07 56 08.5–.10 50.20N 12.52E 5–1 2.0L
BGR X 12 07 56 08.9–.25 50.21N 12.44E 12–3 2.5L
CSEM X 12 07 56 08.3–.08 50.20N 12.47E 15 2.8L
NEIC X 12 07 56 09.4 50.20N 12.51E 0 2.8L,2.3L
WBNET X 12 07 56 09.2 50.20N 12.46E 10 1.0L,2.3L
PRU X 12 07 56 09.4 50.20N 12.51E 0 1.0L,2.3L
CLL X 12 07 56 09.6–.38 50N–1.0 12E–2.0 8–1 2.2L,2.3L
ISC Event type ke.
ISCJB Event type ke.
LDG Event type ke.
IPEC Event type ke.
BGR Event type ke.
CSEM Event type ke.
NEIC Event type se. After PRU.
PRU West Bohemia Swarm.
WBNET X 12 08 48 29.6 50.20N 12.45E 10 0.0L ¶15229221

WBNET X 12 08 48 32.8 50.21N 12.45E 10 1.0L
PRU X 12 08 48 32.9 50.21N 12.47E 2 1.0L ¶11369942
PRU West Bohemia Swarm.
WBNET X 12 08 51 57.2 50.20N 12.45E 10 1.0L
PRU X 12 08 51 57.4 50.21N 12.38E 6 1.0L ¶15227012
PRU West Bohemia Swarm.
WBNET X 12 08 52 05.1 50.20N 12.45E 10 1.0L ¶15227009

WBNET X 12 08 52 44.8 50.20N 12.46E 10 1.0L ¶15227019

WBNET X 12 08 57 56.7 50.20N 12.46E 10 1.0L ¶15261205

WBNET X 12 09 06 42.2 50.21N 12.45E 11 1.0L ¶15509414

WBNET X 12 09 06 43.5 50.21N 12.45E 11 1.0L
PRU X 12 09 06 43.0 50.24N 12.42E 5 1.0L ¶11369945
PRU West Bohemia Swarm.
WBNET X 12 09 09 02.1 50.20N 12.46E 10 1.0L
CSEM X 12 09 09 02.4 50.20N 12.46E 2 1.0L ¶11369946
PRU X 12 09 09 02.4 50.20N 12.46E 2 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
WBNET X 12 09 15 38.0 50.20N 12.46E 10 1.0L ¶15227021

WBNET X 12 09 17 10.9 50.20N 12.46E 10 1.0L ¶15227020

WBNET X 12 09 18 58.1 50.20N 12.46E 10 1.0L
PRU X 12 09 18 58.4 50.19N 12.46E 2 1.0L ¶11369947
PRU West Bohemia Swarm.
ISC X 12 09 24 44.9–.43 50.20N–.02 12.46E–.03 11–3 88 0-3
IPEC X 12 09 24 44.4–.12 50.23N 12.58E 2–1 1.7L ¶11369948
CSEM X 12 09 24 44.8–.07 50.20N 12.49E 10 1.7L
ISCJB X 12 09 24 44.2–.38 50.19N–.02 12.48E–.03 13–3 1.7L
BGR X 12 09 24 45.1–.23 50.21N 12.45E 12–2 2.1L
WBNET X 12 09 24 45.4 50.20N 12.46E 10 2.0L
PRU X 12 09 24 45.8 50.20N 12.46E 3 2.0L
ISC Event type ke.
IPEC Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=79.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.9km az=176.8.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
PRU West Bohemia Swarm.
WBNET X 12 09 28 44.9 50.20N 12.46E 10 1.0L ¶15611948

ISC X 12 09 28 46.7–.40 50.19N–.02 12.47E–.03 11–3 121 0-3
ISCJB X 12 09 28 45.9–.38 50.18N–.02 12.50E–.03 12–4 ¶11369949
BGR X 12 09 28 47.0–.23 50.20N 12.44E 11–2 2.3L
CSEM X 12 09 28 46.6–.05 50.19N 12.48E 10 2.1L

PRU X 12 09 28 47.4 50.18N 12.49E 0 2.1L
CLL X 12 09 28 47.6–.36 50N–1.0 12E–2.0 8–1 2.0L
IPEC X 12 09 28 47.1–.09 50.18N 12.47E 7–1 2.1L
WBNET X 12 09 28 47.2 50.20N 12.46E 10 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=0.3.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=55.0.
PRU West Bohemia Swarm.
IPEC Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=53.0.
WBNET X 12 09 29 20.7 50.19N 12.46E 10 1.0L
¶15227038

WBNET X 12 09 33 05.7 50.20N 12.46E 10 1.0L
CSEM X 12 09 33 06.1 50.19N 12.46E 2 1.0L **¶11369950**
PRU X 12 09 33 06.1 50.19N 12.46E 2 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
ISC X 12 14 48 12.5–.24 50.14N–.01 12.44E–.02 10 167 0-7
ISCJB X 12 14 48 11.2–.31 50.10N–.02 12.43E–.03 10 **¶11349132**
IPEC X 12 14 48 12.9–.09 50.21N 12.55E 4–1 2.0L
CSEM X 12 14 48 12.4–.14 50.13N 12.43E 5 3.1L
BGR X 12 14 48 13.6–.24 50.20N 12.45E 11–2 2.6L
LDG X 12 14 48 13.7–.20 50.12N 12.46E 10–0 2.7L
WBNET X 12 14 48 13.8 50.19N 12.46E 10 2.0L
PRU X 12 14 48 14.0 50.19N 12.50E 1 2.0L
CLL X 12 14 48 14.3–.37 50N–1.0 12E–2.0 8–1 2.4L
ISC Event type ke.
ISCJB Event type ke.
IPEC Event type ke.
CSEM Event type ke.
BGR Event type ke.
LDG Event type ke.
PRU West Bohemia Swarm.
ISC X 12 16 20 15.4–.42 50.21N–.02 12.47E–.03 12–3 92 0-3
ISCJB X 12 16 20 14.9–.37 50.20N–.02 12.48E–.03 12–3 **¶11369973**
BGR X 12 16 20 15.7–.23 50.22N 12.45E 11–2 2.1L
CSEM X 12 16 20 15.4–.07 50.20N 12.49E 10 2.8L
IPEC X 12 16 20 15.0–.12 50.23N 12.55E 5–1 1.9L
PRU X 12 16 20 16.5 50.20N 12.50E 0 1.9L
WBNET X 12 16 20 16.1 50.21N 12.46E 10 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=172.1.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=64.0.
IPEC Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=41.0.
PRU West Bohemia Swarm.
ISC X 12 19 26 04.0–.44 50.21N–.02 12.47E–.03 13–3 112 0-3
ISCJB X 12 19 26 03.4–.37 50.20N–.02 12.49E–.03 12–3 **¶11369978**
WBNET X 12 19 26 04.6 50.21N 12.46E 11 1.0L
CSEM X 12 19 26 04.0–.05 50.21N 12.46E 12 2.2L
PRU X 12 19 26 04.9 50.21N 12.44E 4 2.2L
CLL X 12 19 26 04.9–.36 50N–1.0 12E–2.0 9–1 2.0L
BGR X 12 19 26 04.3–.25 50.22N 12.44E 12–3 2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=176.9.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=75.0.
PRU West Bohemia Swarm-felt.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=107.0.
WBNET X 12 22 37 59.9 50.21N 12.46E 9 0.0L
¶15227104

ISC X 12 22 39 22.2–.48 50.21N–.02 12.45E–.03 12–3 86 0-1
ISCJB X 12 22 39 21.5–.39 50.21N–.02 12.48E–.03 12–3 **¶11369985**
CSEM X 12 22 39 22.0–.05 50.21N 12.46E 12 2.6L
WBNET X 12 22 39 22.6 50.21N 12.45E 11 2.0L
BGR X 12 22 39 22.3–.25 50.22N 12.44E 12–3 2.0L
PRU X 12 22 39 23.1 50.20N 12.45E 1 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=174.3.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=94.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=107.0.
PRU West Bohemia Swarm.
WBNET X 12 22 41 29.4 50.21N 12.45E 11 1.0L
¶15509415

ISC X 12 22 43 55.4–.46 50.22N–.02 12.46E–.03 13–3 110 0-3
ISCJB X 12 22 43 54.8–.38 50.21N–.02 12.48E–.03 13–3 **¶11369986**
WBNET X 12 22 43 55.9 50.21N 12.45E 11 2.0L
CSEM X 12 22 43 55.4–.05 50.21N 12.46E 12 2.8L
BGR X 12 22 43 55.6–.25 50.22N 12.44E 12–3 2.3L
PRU X 12 22 43 56.3 50.21N 12.43E 3 2.3L
CLL X 12 22 43 56.2–.34 50.2N–.90 12E–2.0 9–1 2.0L
ISC Event type ke.
ISCJB Event type ke.
CSEM Event type ke.
BGR Event type ke.
PRU West Bohemia Swarm.
WBNET X 12 23 19 55.4 50.21N 12.46E 9 1.0L
CSEM X 12 23 19 55.7 50.20N 12.45E 2 1.0L **¶11369987**
PRU X 12 23 19 55.7 50.20N 12.45E 2 1.0L
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.
ISC X 13 00 16 08.5–.28 50.20N–.02 12.47E–.02 13–2 186 0-6
ISCJB X 13 00 16 08.0–.28 50.20N–.02 12.48E–.03 14–2 **¶11349156**
CSEM X 13 00 16 08.5–.09 50.19N 12.47E 10 2.4L
BGR X 13 00 16 09.0–.25 50.22N 12.44E 12–2 2.4L
CLL X 13 00 16 09.6–.35 50.2N–.90 12E–2.0 10–1 2.2L
PRU X 13 00 16 09.7 50.20N 12.50E 0 2.2L
NEIC X 13 00 16 09.2 50.21N 12.43E 10 2.6L,2.1L
WBNET X 13 00 16 09.3 50.21N 12.45E 11 2.0L,2.1L
LDG X 13 00 16 14.2–.27 50.08N 12.25E 10–0 2.6L,2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=24.7.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=111.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=103.0.
PRU West Bohemia Swarm-felt.
NEIC Event type se. After SZGRF.
LDG Event type ke. Error ellipse: s-maj=8.1km s-min=4.2km az=149.0.
ISC X 13 01 42 46.4–.22 50.20N–.01 12.44E–.02 13–2 227 0-7
ISCJB X 13 01 42 45.9–.23 50.19N–.01 12.48E–.02 13–2 **¶11349161**
BGR X 13 01 42 47.0–.24 50.22N 12.45E 13–2 2.8L
LDG X 13 01 42 46.7–.18 50.23N 12.49E 10–0 2.9L
VIE X 13 01 42 46.3–.44 50.18N 12.49E 8–0 3.0L,2.2b
CSEM X 13 01 42 46.3–.13 50.18N 12.44E 10 3.4L,2.2b
WBNET X 13 01 42 47.4 50.21N 12.45E 11 2.0L,2.2b
NEIC X 13 01 42 47.0 50.20N 12.42E 10 2.9L,2.3L
CLL X 13 01 42 47.6–.35 50N–1.0 12E–2.0 10–1 2.6L,2.3L
ISC Event type fe.
ISCJB Event type fe.
BGR Event type ke.
LDG Event type ke.
VIE 6 km SSE of Klingenthal .
CSEM Event type ke.
NEIC Event type fe. Felt at Plesna. After SZGRF.
ISC X 13 01 46 27.9–.31 50.20N–.02 12.45E–.03 15–2 138 0-6
CSEM X 13 01 46 27.9–.11 50.20N 12.45E 15 3.1L **¶11349162**
ISCJB X 13 01 46 27.5–.30 50.19N–.02 12.48E–.03 13–2 3.1L
LDG X 13 01 46 28.5–.23 50.21N 12.46E 10–0 2.5L
WBNET X 13 01 46 29.0 50.20N 12.46E 11 1.0L
BGR X 13 01 46 28.7–.25 50.22N 12.44E 12–2 2.3L
NEIC X 13 01 46 29.1 50.20N 12.53E 0 2.5L,2.1L
PRU X 13 01 46 29.1 50.20N 12.53E 0 2.5L,2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=14.7.
LDG Event type ke. Error ellipse: s-maj=6.8km s-min=4.4km az=146.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=103.0.
NEIC Event type se. After PRU.
PRU West Bohemia Swarm.
WBNET X 13 09 40 17.4 50.21N 12.46E 9 1.0L
PRU X 13 09 40 17.4 50.19N 12.46E 0 1.0L **¶15509416**
PRU West Bohemia Swarm.
ISC X 13 09 40 41.3–.41 50.21N–.02 12.49E–.03 11–3 117 0-3
ISCJB X 13 09 40 40.6–.40 50.20N–.02 12.51E–.03 12–4 **¶11370007**
BGR X 13 09 40 41.8–.22 50.22N 12.45E 10–1 2.7L
CSEM X 13 09 40 41.4–.07 50.21N 12.49E 10 3.5L
CLL X 13 09 40 42.5–.41 50N–1.0 12E–2.0 7–1 2.4L
PRU X 13 09 40 42.2 50.20N 12.52E 0 2.4L
WBNET X 13 09 40 42.1 50.21N 12.46E 9 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=11.1.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=105.0.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=71.0.
PRU West Bohemia Swarm.
PRU X 13 12 12 48.0 50.20N 12.51E 0
WBNET X 13 12 12 47.8 50.21N 12.45E 11 1.0L **¶11370009**
PRU West Bohemia Swarm.
ISC X 14 04 01 35.0–.19 50.20N–.01 12.43E–.02 15–1 283 0-7
ISCJB X 14 04 01 34.6–.20 50.19N–.01 12.46E–.02 14–1 **¶11349202**
CSEM X 14 04 01 35.0–.09 50.20N 12.45E 15 3.9L
LDG X 14 04 01 35.5–.17 50.20N 12.47E 10–0 3.3L
VIE X 14 04 01 35.3–.22 50.18N 12.44E 8–2 3.2L,2.1b
IPEC X 14 04 01 35.4–.07 50.20N 12.51E 4–0 2.9L,2.1b
BGR X 14 04 01 35.1–.23 50.22N 12.44E 12–2 3.2L,2.1b
NEIC X 14 04 01 35.5 50.20N 12.45E 10 3.4L,3.3L
CLL X 14 04 01 36.6–.36 50N–1.0 12E–2.0 8–1 3.1L,3.3L
WBNET X 14 04 01 36.3 50.22N 12.44E 10 3.0L,3.3L
PRU X 14 04 01 36.4 50.20N 12.51E 0 3.0L,3.3L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=2.0km az=159.7.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=29.0.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=2.6km az=168.0.
VIE Error ellipse: s-maj=4.6km s-min=1.3km az=53.0. 6 km SSW of Klingenthal .
IPEC Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=54.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
NEIC Event type fe. Felt at Zwota, Germany. After SZGRF.
PRU West Bohemia Swarm.
ISC X 14 04 05 48.0–.18 50.19N–.01 12.43E–.02 14–1 312 0-7
ISCJB X 14 04 05 46.8–.20 50.15N–.01 12.40E–.02 13–2 **¶11349203**
CSEM X 14 04 05 47.8–.09 50.18N 12.44E 12 3.8L
VIE X 14 04 05 47.6–.49 50.20N 12.51E 11–3 3.4L
NEIC X 14 04 05 48.6 50.19N 12.43E 5 3.3L,3.2L
IPEC X 14 04 05 48.4–.07 50.21N 12.54E 2–0 2.9L,3.2L
BGR X 14 04 05 48.0–.23 50.22N 12.45E 12–2 3.1L,3.2L
LDG X 14 04 05 48.4–.17 50.18N 12.46E 10–0 3.3L,3.2L
WBNET X 14 04 05 49.3 50.22N 12.44E 10 2.0L,3.2L
CLL X 14 04 05 49.4–.37 50N–1.0 12E–2.0 8–1 2.9L,3.2L
PRU X 14 04 05 49.4 50.20N 12.52E 0 2.9L,3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=145.8.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.7km az=140.0.
VIE Error ellipse: s-maj=7.9km s-min=2.2km az=50.0. 5 km SE of Klingenthal .
NEIC Event type se. After SZGRF.
IPEC Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=56.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=2.8km az=165.0.
PRU West Bohemia Swarm.
WBNET X 14 04 06 01.0 50.22N 12.44E 10 2.0L
¶15227210

ISC X 14 04 06 28.0–.63 50.22N–.02 12.45E–.04 10–4 73 0-1
ISCJB X 14 04 06 27.4–.46 50.22N–.02 12.47E–.04 11–3 **¶13587934**
BGR X 14 04 06 28.0–.28 50.22N 12.45E 10–3 2.5L
CSEM X 14 04 06 28.0 50.22N 12.45E 10 2.5L
CLL X 14 04 06 28.6–.41 50N–1.0 12E–2.0 8–1 2.0L
WBNET X 14 04 06 28.2 50.22N 12.46E 9 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=2.6.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=105.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
WBNET X 14 04 06 55.9 50.21N 12.45E 9 0.0L
¶15509418

ISC X 14 04 06 56.5–.49 50.22N–.02 12.45E–.03 10–3 100 0-1
ISCJB X 14 04 06 55.9–.39 50.22N–.02 12.47E–.03 12–2 **¶13921161**
BGR X 14 04 06 56.5–.28 50.22N 12.45E 10–3 2.3L
CSEM X 14 04 06 56.4–.04 50.22N 12.46E 10 2.3L
WBNET X 14 04 06 56.9 50.22N 12.44E 9 2.0L
CLL X 14 04 06 57.1–.38 50N–1.0 12E–2.0 8–1 2.0L
PRU X 14 04 06 57.2 50.21N 12.45E 2 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=160.5.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=103.0.
CSEM Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=85.0.
PRU West Bohemia Swarm.
WBNET X 14 04 07 41.2 50.22N 12.44E 10 0.0L
¶15227231

ISC X 14 04 09 43.3–.53 50.21N–.02 12.47E–.04 10–4 68 0-1
ISCJB X 14 04 09 42.7–.46 50.21N–.02 12.50E–.04 11–4 **¶11357343**
CSEM X 14 04 09 43.3–.09 50.22N 12.48E 9–1 2.7L
WBNET X 14 04 09 43.8 50.22N 12.46E 9 1.0L
BGR X 14 04 09 43.6–.30 50.22N 12.45E 9–3 2.0L
PRU X 14 04 09 43.9 50.20N 12.50E 0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=168.5.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=87.0.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=98.0.
PRU West Bohemia Swarm.
WBNET X 14 04 10 50.3 50.22N 12.46E 10 1.0L
PRU X 14 04 10 50.8 50.21N 12.47E 1 1.0L **¶11357344**
PRU West Bohemia Swarm.
ISC X 14 04 11 51.7–.49 50.21N–.02 12.47E–.03 11–4 82 0-1
ISCJB X 14 04 11 51.0–.40 50.21N–.02 12.49E–.03 12–3 **¶11357345**
CSEM X 14 04 11 51.7–.06 50.22N 12.47E 10 2.1L
BGR X 14 04 11 51.8–.23 50.22N 12.45E 11–1 2.1L
PRU X 14 04 11 52.6 50.20N 12.47E 1 2.1L
WBNET X 14 04 11 52.2 50.22N 12.45E 10 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=174.8.
CSEM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=88.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=103.0.
PRU West Bohemia Swarm.
WBNET X 14 04 16 08.5 50.21N 12.46E 11 0.0L
¶15227239

WBNET X 14 04 19 07.1 50.22N 12.44E 9 1.0L
PRU X 14 04 19 07.1 50.20N 12.49E 0 1.0L **¶11357347**
CSEM X 14 04 19 07.1 50.20N 12.49E 0 1.0L
PRU West Bohemia Swarm.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
WBNET X 14 04 19 11.1 50.22N 12.44E 9 1.0L
¶15227251

WBNET X 14 04 19 58.0 50.22N 12.44E 9 1.0L
¶15227256

WBNET X 14 04 20 09.2 50.21N 12.45E 10 1.0L
¶15227263

WBNET X 14 04 20 58.6 50.22N 12.45E 10 1.0L

¶15227260

WBNET	**X**	**14 04 21 30.6**	**50.22N**	**12.45E**	**10**	**1.0L**	

¶15227276

ISC	**X**	**14 05 49 03.2–.27**	**50.21N–.01**	**12.45E–.02**	**16–2**		**201**	**0-6**
VIE	X	14 05 49 02.4–.62	50.25N	12.59E	12–6	3.0L,2.1b		¶11349205
LDG	X	14 05 49 03.6–.12	50.24N	12.40E	10–0	3.1L,2.1b		
CSEM	X	14 05 49 03.1–.11	50.20N	12.43E	18–1	3.0L,2.1b		
ISCJB	X	14 05 49 03.1–.24	50.20N–.01	12.50E–.02	10	3.0L,2.1b		
NEIC	X	14 05 49 03.7	50.21N	12.47E	11	3.1L,3.0L		
PRU	X	14 05 49 04.5	50.21N	12.43E	4	3.1L,3.0L		
WBNET	X	14 05 49 04.5	50.22N	12.44E	10	2.0L,3.0L		
BGR	X	14 05 49 04.0–.22	50.22N	12.45E	11–1	3.0L,3.0L		
CLL	X	14 05 49 04.7–.38	50N–1.0	12E–2.0	8–1	2.8L,3.0L		

ISC Event type fe.
VIE 10 km ENE of Klingenthal .
LDG Event type ke.
CSEM Event type ke.
ISCJB Event type fe.
NEIC Event type fe. Felt at Klingenthal and Zwota, Germany. After SZGRF.
PRU West Bohemia Swarm.
BGR Event type ke.

WBNET	**X**	**14 10 18 25.7**	**50.22N**	**12.46E**	**9**	**0.0L**	

¶15669663

WBNET	**X**	**14 10 20 47.3**	**50.22N**	**12.46E**	**9**	**1.0L**	
PRU	X	14 10 20 47.4	50.22N	12.50E	1	1.0L	¶11357369

PRU West Bohemia Swarm.

WBNET	**X**	**14 10 33 12.3**	**50.22N**	**12.45E**	**10**	**0.0L**	

¶15227367

ISC	**X**	**14 10 34 07.4–.41**	**50.22N–.02**	**12.48E–.03**	**12–3**		**126**	**0-3**
ISCJB	X	14 10 34 06.8–.30	50.21N–.01	12.48E–.03	13–2			¶11357370
BGR	X	14 10 34 07.6–.23	50.22N	12.45E	11–2	2.5L		
CSEM	X	14 10 34 07.4–.08	50.21N	12.48E	10	3.0L		
WBNET	X	14 10 34 08.0	50.21N	12.46E	9	2.0L		
CLL	X	14 10 34 08.4–.38	50N–1.0	12E–2.0	7–1	2.2L		
PRU	X	14 10 34 08.3	50.21N	12.50E	0	2.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=165.2.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=77.0.
PRU West Bohemia Swarm.

ISC	**X**	**14 10 44 17.7–.75**	**50.21N–.02**	**12.46E–.04**	**11–4**		**32**	**0-1**
ISCJB	X	14 10 44 17.2–.47	50.22N–.02	12.48E–.04	12–3			¶11357371
WBNET	X	14 10 44 18.1	50.22N	12.45E	10	1.0L		
PRU	X	14 10 44 18.2	50.20N	12.48E	1	1.0L		

ISCJB Error ellipse: s-maj=4.9km s-min=3.5km az=143.0.
PRU West Bohemia Swarm.

WBNET	**X**	**14 10 44 27.9**	**50.22N**	**12.45E**	**10**	**1.0L**	
PRU	X	14 10 44 28.0	50.21N	12.41E	4	1.0L	¶15227377

PRU West Bohemia Swarm.

ISC	**X**	**14 10 47 35.9–.37**	**50.21N–.01**	**12.47E–.03**	**12–3**		**136**	**0-3**
VIE	X	14 10 47 34.4–.83	50.23N	12.58E	12–7	2.7L		¶11357373
IPEC	X	14 10 47 35.8–.09	50.23N	12.53E	4–1	2.2L		
ISCJB	X	14 10 47 35.7–.25	50.20N–.01	12.50E–.03	10	2.2L		
CSEM	X	14 10 47 35.9–.07	50.21N	12.49E	10	3.2L		
WBNET	X	14 10 47 36.7	50.22N	12.45E	10	2.0L		
CLL	X	14 10 47 36.9–.33	50.2N–.90	12E–2.0	8–1	2.1L		
BGR	X	14 10 47 36.3–.23	50.22N	12.44E	11–2	2.5L		
PRU	X	14 10 47 36.9	50.22N	12.49E	1	2.5L		

ISC Event type ke.
VIE Error ellipse: s-maj=13.0km s-min=3.1km az=50.0. 9 km E of Klingenthal .
IPEC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=51.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=159.4.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=62.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
PRU West Bohemia Swarm.

WBNET	**X**	**14 10 47 50.4**	**50.22N**	**12.45E**	**10**	**1.0L**	

¶15509419

ISC	**X**	**14 11 08 09.1–.47**	**50.22N–.02**	**12.46E–.03**	**12–3**		**85**	**0-2**
ISCJB	X	14 11 08 08.5–.39	50.21N–.02	12.48E–.03	12–3			¶11357376
CSEM	X	14 11 08 09.2–.05	50.22N	12.46E	10	3.0L		
WBNET	X	14 11 08 09.6	50.21N	12.46E	10	2.0L		
PRU	X	14 11 08 09.8	50.20N	12.48E	1	2.0L		
BGR	X	14 11 08 09.3–.23	50.22N	12.44E	12–2	2.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.0km az=170.9.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=94.0.
PRU West Bohemia Swarm.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.

WBNET	**X**	**14 11 10 04.6**	**50.22N**	**12.46E**	**9**	**1.0L**	
PRU	X	14 11 10 05.1	50.26N	12.41E	6	1.0L	¶15227442

PRU West Bohemia Swarm.

WBNET	**X**	**14 11 10 19.7**	**50.21N**	**12.46E**	**10**	**1.0L**	

¶15227439

WBNET	**X**	**14 18 15 14.7**	**50.22N**	**12.46E**	**10**	**1.0L**	
PRU	X	14 18 15 14.5	50.21N	12.55E	0	1.0L	¶15227429

PRU West Bohemia Swarm.

WBNET	**X**	**14 18 17 52.5**	**50.22N**	**12.46E**	**10**	**1.0L**	
PRU	X	14 18 17 52.3	50.20N	12.55E	0	1.0L	¶15227382

PRU West Bohemia Swarm.

ISC	**X**	**14 19 00 32.0–.12**	**50.183N–.01**	**12.41E–.01**	**11–1**		**812**	**0-38**
ISCJB	X	14 19 00 30.8–.13	50.141N–.01	12.33E–.01	11–1			¶11348191
IDC	X	14 19 00 31.3–.84	50.17N	12.46E	0	3.7b,3.6		
BGR	X	14 19 00 31.8–.23	50.21N	12.45E	12–2	4.0L,3.6		
LDG	X	14 19 00 32.0–.14	50.17N	12.52E	10–0	4.0L,3.6		
NEIC	X	14 19 00 32.5	50.19N	12.44E	7	4.1L,4.0L		
IPEC	X	14 19 00 32.3–.06	50.21N	12.52E	3–0	3.7L,4.0L		
CSEM	X	14 19 00 32.0–.07	50.17N	12.40E	10	4.5L,4.0L		
WBNET	X	14 19 00 33.1	50.21N	12.45E	9	3.0L,4.0L		
PRU	X	14 19 00 33.1	50.19N	12.51E	0	3.0L,4.0L		
CLL	X	14 19 00 33.4–.39	50N–1.0	12E–2.0	7–1	3.6L,4.0L		
BNS	X	14 19 00 34.4–.36	50.07N	12.34E	5	3.9L,4.0L		
LEDBW	X	14 19 00 36.4–.90	49.88N–.07	12.37E–.06	10–0	4.0L,4.0L		
UPP	X	14 19 00 46.7	51.68N	11.32E	0	2.5L,4.0L		

ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.6km s-min=1.3km az=152.1.
IDC Error ellipse: s-maj=12.4km s-min=7.9km az=76.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=171.0.
NEIC Event type fe. Felt in the Hazlov-Karlovy Vary area. Also felt in the Rehau-Rodewisch area, Germany. After SZGRF.
IPEC Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=47.0.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=164.0.
PRU West Bohemia Swarm-felt.
BNS Event type ke.
LEDBW Error ellipse: s-maj=26.0km s-min=20.0km az=138.0.
UPP Event type ke.

WBNET	**X**	**14 20 00 42.1**	**50.21N**	**12.46E**	**9**	**1.0L**		
CSEM	X	14 20 00 42.6	50.20N	12.45E	1	1.0L		¶11357393
PRU	X	14 20 00 42.6	50.20N	12.45E	1	1.0L		

CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.

WBNET	**X**	**14 20 45 12.3**	**50.22N**	**12.46E**	**9**	**0.0L**	
PRU	X	14 20 45 13.3	50.24N	12.40E	1	0.0L	¶15658682

PRU West Bohemia Swarm.

ISC	**X**	**15 03 37 33.6–.46**	**50.20N–.02**	**12.47E–.03**	**11–3**		**94**	**0-1**
ISCJB	X	15 03 37 32.9–.36	50.20N–.02	12.50E–.03	12–2			¶11357410
CSEM	X	15 03 37 33.5–.06	50.20N	12.48E	10	2.0L		
BGR	X	15 03 37 33.8–.23	50.20N	12.45E	10–2	2.0L		
PRU	X	15 03 37 34.3	50.19N	12.49E	0	2.0L		
WBNET	X	15 03 37 34.1	50.20N	12.45E	9	1.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=2.4.
CSEM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=90.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
PRU West Bohemia Swarm.

WBNET	**X**	**15 03 37 42.1**	**50.21N**	**12.45E**	**9**	**0.0L**	

¶15509420

ISC	**X**	**15 03 38 29.2–.31**	**50.19N–.02**	**12.43E–.03**	**13–2**		**152**	**0-6**
ISCJB	X	15 03 38 28.7–.28	50.19N–.01	12.47E–.03	13–2			¶11357411
BGR	X	15 03 38 29.6–.24	50.20N	12.44E	11–2	2.4L		
CSEM	X	15 03 38 29.2–.08	50.19N	12.45E	12	3.2L		
NEIC	X	15 03 38 30.4	50.20N	12.49E	0	2.6L,2.6L		
PRU	X	15 03 38 30.4	50.20N	12.49E	0	2.6L,2.6L		
WBNET	X	15 03 38 30.0	50.21N	12.46E	9	2.0L,2.6L		
CLL	X	15 03 38 30.3–.40	50N–1.0	12E–2.0	7–1	2.1L,2.6L		
LDG	X	15 03 38 33.6–.60	50.07N	12.32E	10–0	2.6L,2.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=6.1.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=101.0.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=106.0.
NEIC Event type se. After PRU.
PRU West Bohemia Swarm.
LDG Event type ke. Error ellipse: s-maj=14.3km s-min=9.1km az=155.0.

ISC	**X**	**15 03 38 39.3–.39**	**50.20N–.02**	**12.47E–.03**	**11–3**		**110**	**0-3**
ISCJB	X	15 03 38 38.6–.33	50.20N–.02	12.51E–.03	13–3			¶11357412
VIE	X	15 03 38 38.2–.73	50.21N	12.64E	8–0	2.9L,2.1b		
WBNET	X	15 03 38 39.9	50.21N	12.46E	9	2.0L,2.1b		
CSEM	X	15 03 38 39.3–.07	50.20N	12.47E	10	3.1L,2.1b		
BGR	X	15 03 38 39.6–.24	50.21N	12.45E	10–2	2.6L,2.1b		
PRU	X	15 03 38 40.2	50.19N	12.47E	0	2.6L,2.1b		
CLL	X	15 03 38 40.2–.40	50N–1.0	12E–2.0	7–1	2.0L,2.1b		

ISC Event type ke.
ISCJB Event type ke.
VIE 13 km E of Klingenthal .
CSEM Event type ke.
BGR Event type ke.
PRU West Bohemia Swarm.

ISC	**X**	**15 03 40 47.5–.28**	**50.19N–.02**	**12.46E–.02**	**16–2**		**188**	**0-6**
ISCJB	X	15 03 40 47.6–.26	50.20N–.01	12.52E–.02	10			¶11357413
VIE	X	15 03 40 47.7–1.3	50.17N	12.60E	8–0	2.8L		
CSEM	X	15 03 40 48.1–.07	50.19N	12.51E	8	3.6L		
WBNET	X	15 03 40 48.9	50.20N	12.46E	9	2.0L		
BGR	X	15 03 40 48.5–.23	50.20N	12.46E	10–1	2.8L		
LDG	X	15 03 40 48.9–.53	50.06N	12.33E	10–0	2.8L		
PRU	X	15 03 40 49.2	50.19N	12.48E	0	2.8L		
NEIC	X	15 03 40 49.1	50.19N	12.51E	0	2.9L,2.8L		
CLL	X	15 03 40 49.2–.41	50N–1.0	12E–2.0	8–1	2.5L,2.8L		

ISC Event type ke.
ISCJB Event type ke.
VIE 12 km ESE of Klingenthal .
CSEM Event type ke.
BGR Event type ke.
LDG Event type ke.
PRU West Bohemia Swarm.
NEIC Event type se. After PRU.

WBNET	**X**	**15 03 41 27.6**	**50.20N**	**12.45E**	**10**	**1.0L**	
CSEM	X	15 03 41 27.2	50.20N	12.45E	11	2.1L	¶13921166
BGR	X	15 03 41 27.2–.31	50.20N	12.45E	11–2	2.1L	

CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=93.0.

WBNET	**X**	**15 04 10 26.8**	**50.20N**	**12.45E**	**9**	**0.0L**	

¶15227492

ISC	**X**	**15 04 13 55.1–.36**	**50.19N–.02**	**12.48E–.03**	**14–3**		**136**	**0-6**
ISCJB	X	15 04 13 54.7–.29	50.19N–.02	12.52E–.03	14–2			¶11357416
LDG	X	15 04 13 55.7–.20	50.21N	12.41E	10–0	2.7L		
CSEM	X	15 04 13 55.0–.08	50.19N	12.47E	17	3.3L		
BGR	X	15 04 13 55.8–.24	50.20N	12.46E	10–2	2.5L		
CLL	X	15 04 13 56.6–.36	50N–1.0	12E–2.0	7–1	2.2L		
PRU	X	15 04 13 56.4	50.19N	12.52E	0	2.2L		
WBNET	X	15 04 13 56.3	50.20N	12.46E	9	2.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=151.5.
LDG Event type ke. Error ellipse: s-maj=7.8km s-min=3.5km az=154.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=73.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=103.0.
PRU West Bohemia Swarm.

WBNET	**X**	**15 04 15 13.0**	**50.20N**	**12.46E**	**9**	**0.0L**	

¶15273867

ISC	**X**	**15 04 15 14.0–.92**	**50.20N–.03**	**12.46E–.06**	**8–6**		**30**	**0-1**
ISCJB	X	15 04 15 13.5–.81	50.19N–.03	12.50E–.05	9–6			¶11357417
WBNET	X	15 04 15 13.8	50.20N	12.45E	9	1.0L		
CSEM	X	15 04 15 14.4	50.20N	12.45E	0	1.0L		
PRU	X	15 04 15 14.4	50.20N	12.45E	0	1.0L		

ISCJB Error ellipse: s-maj=5.5km s-min=4.4km az=179.7.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GFU.
PRU West Bohemia Swarm.

WBNET	**X**	**15 04 16 06.8**	**50.20N**	**12.45E**	**9**	**1.0L**	

¶15227642

ISC	**X**	**15 07 32 10.9–.42**	**50.21N–.02**	**12.48E–.03**	**11–3**		**92**	**0-3**
ISCJB	X	15 07 32 10.0–.39	50.20N–.02	12.51E–.03	14–3			¶11357419
CSEM	X	15 07 32 10.8–.08	50.20N	12.49E	10	2.9L		
WBNET	X	15 07 32 11.5	50.21N	12.45E	9	1.0L		
PRU	X	15 07 32 11.8	50.19N	12.48E	0	1.0L		
BGR	X	15 07 32 11.1–.24	50.21N	12.46E	10–2	2.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=162.0.
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=62.0.
PRU West Bohemia Swarm.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=99.0.

ISC	**X**	**15 16 00 03.4–.37**	**50.20N–.02**	**12.49E–.03**	**12–3**		**135**	**0-3**
ISCJB	X	15 16 00 02.8–.29	50.20N–.01	12.53E–.03	11–2			¶11357425
BGR	X	15 16 00 03.8–.24	50.21N	12.45E	10–2	2.5L		
CSEM	X	15 16 00 03.4–.07	50.20N	12.50E	10	3.1L		
PRU	X	15 16 00 04.3	50.20N	12.51E	0	3.1L		
CLL	X	15 16 00 04.5–.37	50N–1.0	12E–2.0	7–1	2.2L		
WBNET	X	15 16 00 04.2	50.21N	12.45E	9	2.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=160.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=106.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=55.0.
PRU West Bohemia Swarm.

ISC	**X**	**16 10 48 21.2–.20**	**50.18N–.01**	**12.40E–.02**	**15–1**		**251**	**0-7**
ISCJB	X	16 10 48 20.0–.22	50.12N–.01	12.32E–.02	10			¶11357452
CSEM	X	16 10 48 21.3–.11	50.17N	12.41E	12	3.2L		
BGR	X	16 10 48 22.2–.22	50.21N	12.46E	9–1	3.0L		
PRU	X	16 10 48 22.9	50.20N	12.49E	0	3.0L		
CLL	X	16 10 48 22.9–.40	50N–1.0	12E–2.0	7–1	2.6L		
LDG	X	16 10 48 22.0–.11	50.24N	12.44E	10–0	3.1L		
WBNET	X	16 10 48 22.6	50.21N	12.45E	8	2.0L		
NEIC	X	16 10 48 22.9	50.20N	12.49E	0	3.2L,3.1L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=27.7.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.1km az=122.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=101.0.
PRU West Bohemia Swarm.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=158.0.
NEIC Event type se. After PRU.

ISC	**X**	**18 18 02 36.9–.44**	**50.19N–.02**	**12.50E–.03**	**11–4**		**116**	**0-2**
ISCJB	X	18 18 02 35.9–.45	50.19N–.02	12.53E–.03	15–5			¶11360212
CSEM	X	18 18 02 36.8–.07	50.19N	12.51E	10	2.9L		
WBNET	X	18 18 02 37.7	50.20N	12.46E	9	1.0L		
PRU	X	18 18 02 37.8	50.19N	12.48E	1	1.0L		

BGR X 18 18 02 37.2–.23 50.20N 12.47E 11–1 2.2L
CLL X 18 18 02 38.1–.36 50N–1.0 12E–2.0 7–1 2.0L
ISC Event type ke.
ISCJB Event type ke.
CSEM Event type ke.
PRU West Bohemia Swarm.
BGR Event type ke.
WBNET X 18 18 02 37.3 50.20N 12.46E 9 1.0L
¶15227738

ISC X 18 22 26 32.6–.36 50.19N–.02 12.49E–.03 11–3 131 0-3
ISCJB X 18 22 26 31.4–.38 50.18N–.02 12.53E–.03 14–4 **¶11360228**
VIE X 18 22 26 32.5–.35 50.18N 12.46E 8–3 2.6L
CSEM X 18 22 26 32.6–.08 50.19N 12.50E 10 3.0L
BGR X 18 22 26 33.0–.23 50.21N 12.45E 11–1 2.4L
PRU X 18 22 26 33.7 50.20N 12.50E 0 2.4L
WBNET X 18 22 26 33.3 50.20N 12.46E 9 1.0L
CLL X 18 22 26 33.7–.35 50N–1.0 12E–2.0 7–1 2.1L
ISC Event type ke.
ISCJB Event type ke.
VIE 6 km S of Klingenthal .
CSEM Event type ke.
BGR Event type ke.
PRU West Bohemia Swarm.
ISC X 19 03 13 54.4–.45 50.21N–.02 12.48E–.03 12–3 85 0-3
ISCJB X 19 03 13 53.7–.42 50.20N–.02 12.50E–.03 12–4 **¶11360241**
WBNET X 19 03 13 54.9 50.21N 12.46E 11 1.0L
CSEM X 19 03 13 54.3–.07 50.20N 12.49E 10 2.6L
BGR X 19 03 13 54.7–.23 50.22N 12.46E 11–2 2.0L
PRU X 19 03 13 55.2 50.20N 12.45E 2 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=5.6.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=63.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
PRU West Bohemia Swarm.
ISC X 21 00 55 31.3–.24 50.21N–.01 12.45E–.02 12–2 191 0-6
ISCJB X 21 00 55 30.9–.25 50.20N–.01 12.48E–.03 12–2 **¶11361759**
VIE X 21 00 55 30.5–.48 50.22N 12.52E 12–4 3.1L,2.0b
NEIC X 21 00 55 31.9 50.23N 12.44E 10 2.8L,2.4L
BGR X 21 00 55 31.7–.22 50.22N 12.45E 11–1 2.7L,2.4L
LDG X 21 00 55 31.6–.12 50.20N 12.45E 10–0 2.8L,2.4L
CSEM X 21 00 55 31.1–.11 50.19N 12.45E 10 3.1L,2.4L
PRU X 21 00 55 32.5 50.21N 12.49E 0 3.1L,2.4L
WBNET X 21 00 55 32.2 50.23N 12.44E 9 2.0L,2.4L
CLL X 21 00 55 32.5–.40 50N–1.0 12E–2.0 7–1 2.4L,2.4L
ISC Event type ke.
ISCJB Event type ke.
VIE 4 km E of Klingenthal .
NEIC Event type se. After SZGRF.
BGR Event type ke.
LDG Event type ke.
CSEM Event type ke.
PRU West Bohemia Swarm.
ISC X 21 01 10 53.9–.22 50.20N–.01 12.46E–.02 13–2 201 0-6
CSEM X 21 01 10 53.9–.10 50.20N 12.44E 15 3.2L **¶11360712**
ISCJB X 21 01 10 53.1–.23 50.19N–.01 12.49E–.02 14–2 3.2L
VIE X 21 01 10 53.5–.37 50.21N 12.49E 11–3 3.2L
BGR X 21 01 10 54.6–.22 50.22N 12.45E 10–1 2.9L
LDG X 21 01 10 54.5–.09 50.21N 12.47E 10–0 3.1L
NEIC X 21 01 10 54.8 50.22N 12.44E 10 3.0L,2.5L
CLL X 21 01 10 55.4–.40 50N–1.0 12E–2.0 7–1 2.6L,2.5L
PRU X 21 01 10 55.3 50.21N 12.50E 0 2.6L,2.5L
WBNET X 21 01 10 55.0 50.22N 12.45E 9 2.0L,2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=127.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=166.2.
VIE Error ellipse: s-maj=7.8km s-min=1.8km az=48.0. 3 km SE of Klingenthal .
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=104.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=116.0.
NEIC Event type se. After SZGRF.
PRU West Bohemia Swarm.
WBNET X 21 01 39 19.9 50.22N 12.45E 9 1.0L
¶15261486

WBNET X 21 01 39 20.7 50.22N 12.45E 9 1.0L
¶15227852

ISC X 21 01 39 26.5–.52 50.22N–.02 12.45E–.04 10–3 76 0-1
ISCJB X 21 01 39 25.8–.49 50.22N–.02 12.46E–.04 12–3 **¶15243674**
CSEM X 21 01 39 26.5 50.22N 12.44E 10 2.0L
BGR X 21 01 39 26.5–.24 50.22N 12.44E 10–1 2.0L
WBNET X 21 01 39 26.7 50.22N 12.45E 9 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=11.7.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=110.0.
ISC X 21 01 39 38.4–.42 50.21N–.02 12.47E–.03 11–3 114 0-3
ISCJB X 21 01 39 37.6–.32 50.21N–.02 12.50E–.03 13–2 **¶11361769**
WBNET X 21 01 39 38.9 50.22N 12.45E 9 2.0L
BGR X 21 01 39 38.7–.24 50.22N 12.45E 10–1 2.3L
CSEM X 21 01 39 38.3–.08 50.21N 12.47E 10 2.3L
CLL X 21 01 39 39.3–.40 50N–1.0 12E–2.0 7–1 2.0L
PRU X 21 01 39 39.2 50.20N 12.47E 1 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=177.2.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=61.0.
PRU West Bohemia Swarm.
ISC X 21 01 40 17.3–.29 50.21N–.02 12.48E–.02 10–2 158 0-5
ISCJB X 21 01 40 16.3–.32 50.21N–.02 12.50E–.03 14–2 **¶13921185**
NEIC X 21 01 40 17.5 50.22N 12.46E 10 2.8L,2.1L
BGR X 21 01 40 17.4–.22 50.22N 12.45E 10–1 2.5L,2.1L
PRU X 21 01 40 17.9 50.20N 12.51E 0 2.5L,2.1L
WBNET X 21 01 40 17.8 50.22N 12.46E 9 2.0L,2.1L
CSEM X 21 01 40 17.2–.07 50.21N 12.49E 8 3.3L,2.1L
CLL X 21 01 40 18.2–.41 50N–1.0 12E–2.0 7–1 2.2L,2.1L
LDG X 21 01 40 18.2–.26 50.25N 12.46E 10–0 2.9L,2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.6km az=16.3.
NEIC Event type se. After SZGRF.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=105.0.
PRU West Bohemia Swarm.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=110.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=115.0.
ISC X 21 02 14 01.5–.18 50.19N–.01 12.45E–.02 12–1 299 0-8
ISCJB X 21 02 14 00.1–.20 50.14N–.01 12.48E–.02 10 **¶11361773**
LDG X 21 02 14 01.6–.10 50.18N 12.44E 10–0 3.5L
BGR X 21 02 14 01.4–.25 50.22N 12.45E 11–2 3.4L
VIE X 21 02 14 01.5–.28 50.20N 12.45E 10–0 3.4L,2.3b
CSEM X 21 02 14 01.4–.10 50.19N 12.45E 10 3.8L,2.3b
NEIC X 21 02 14 02.3 50.22N 12.45E 10 3.5L,3.1L
CLL X 21 02 14 02.9–.35 50.2N–.90 12E–2.0 8–1 3.3L,3.1L
WBNET X 21 02 14 02.6 50.22N 12.44E 9 2.0L,3.1L
PRU X 21 02 14 02.7 50.20N 12.51E 0 2.0L,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=140.6.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=130.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=112.0.
VIE Error ellipse: s-maj=6.6km s-min=1.9km az=56.0. 3 km S of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.0km az=22.0.
NEIC Event type se. After SZGRF.
PRU West Bohemia Swarm.
ISC X 21 03 02 42.9–.29 50.22N–.02 12.46E–.03 13–2 161 0-5
CSEM X 21 03 02 42.6–.10 50.22N 12.44E 15 2.4L **¶11361779**
ISCJB X 21 03 02 42.4–.28 50.22N–.01 12.47E–.03 13–2 2.4L
LDG X 21 03 02 43.3–.07 50.22N 12.44E 10–0 2.6L
CLL X 21 03 02 43.9–.36 50.2N–.90 12E–2.0 8–1 2.2L
WBNET X 21 03 02 43.6 50.23N 12.44E 9 2.0L
BGR X 21 03 02 43.2–.22 50.23N 12.45E 11–1 2.4L
NEIC X 21 03 02 43.2 50.22N 12.45E 10 2.6L,2.1L
PRU X 21 03 02 44.0 50.21N 12.43E 2 2.6L,2.1L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=179.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=114.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=105.0.
NEIC Event type se. After SZGRF.
PRU West Bohemia Swarm.
WBNET X 21 08 14 49.6 50.22N 12.45E 9 1.0L
PRU X 21 08 14 50.1 50.26N 12.47E 4 1.0L **¶15227862**
PRU West Bohemia Swarm.
ISC X 21 21 27 48.9–.42 50.22N–.02 12.46E–.03 11–3 104 0-2
ISCJB X 21 21 27 48.3–.32 50.22N–.01 12.48E–.03 13–2 **¶11361800**
CSEM X 21 21 27 48.8–.06 50.22N 12.47E 10 2.7L
BGR X 21 21 27 48.9–.23 50.23N 12.45E 11–2 2.1L
WBNET X 21 21 27 49.4 50.23N 12.44E 9 2.0L
PRU X 21 21 27 49.8 50.22N 12.48E 1 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=160.2.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=68.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
PRU West Bohemia Swarm.
WBNET X 23 07 07 18.4 50.21N 12.46E 9 0.0L
PRU X 23 07 07 17.8 50.19N 12.57E 0 0.0L **¶11370028**
PRU West Bohemia Swarm.
ZUR X 26 01 35 45.5 47.05N 9.46E 8–1 0.9L
CSEM X 26 01 35 45.5 47.05N 9.46E 8 0.9L **¶12071118**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ZUR.
ISC X 28 08 25 59.1–.48 50.20N–.02 12.47E–.03 9–4 80 0-1
ISCJB X 28 08 25 58.3–.49 50.20N–.02 12.49E–.04 12–4 **¶11378498**
WBNET X 28 08 25 59.4 50.21N 12.46E 8 1.0L
CSEM X 28 08 25 59.0–.06 50.20N 12.48E 8 2.8L
BGR X 28 08 25 59.2–.26 50.21N 12.46E 9–2 2.1L
PRU X 28 08 26 00.0 50.18N 12.45E 0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=170.4.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=60.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=102.0.
PRU West Bohemia Swarm.
ISC X 28 08 27 34.2–.25 50.19N–.01 12.42E–.02 14–2 192 0-6
LDG X 28 08 27 34.8–.10 50.19N 12.47E 10–0 3.3L **¶11374804**
ISCJB X 28 08 27 34.1–.23 50.20N–.01 12.47E–.02 13–1 3.3L
CSEM X 28 08 27 34.3–.12 50.19N 12.45E 12 3.2L
NEIC X 28 08 27 35.0 50.20N 12.47E 8 3.3L,3.3L
WBNET X 28 08 27 35.4 50.21N 12.45E 8 2.0L,3.3L
CLL X 28 08 27 35.7–.40 50N–1.0 12E–2.0 6–1 2.9L,3.3L
BGR X 28 08 27 35.1–.23 50.21N 12.46E 9–2 3.2L,3.3L
PRU X 28 08 27 36.0 50.18N 12.47E 0 3.2L,3.3L
ISC Event type ke.
LDG Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.3km az=0.2.
CSEM Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=129.0.
NEIC Event type se. After SZGRF.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=105.0.
PRU West Bohemia Swarm.
ISC X 28 08 30 10.4–.13 50.182N–.01 12.37E–.01 10–1 3.7b 772 0-42
MOS X 28 08 30 08.6–1.4 50.18N 12.31E 10 4.2b **¶11374805**
ISCJB X 28 08 30 09.2–.15 50.125N–.01 12.32E–.01 6–1 3.7b
CSEM X 28 08 30 09.9–.09 50.15N 12.38E 5 4.4L,3.9L
VIE X 28 08 30 10.5–.27 50.16N 12.42E 4–3 4.2L,3.1b
BGR X 28 08 30 10.1–.24 50.21N 12.45E 11–2 4.1L,3.1b
LDG X 28 08 30 10.7–.07 50.19N 12.48E 10–0 4.2L,3.1b
IDC X 28 08 30 10.8–1.2 50.01N 12.25E 0 4.1b,3.9
NEIC X 28 08 30 11.0 50.21N 12.46E 10 4.2L,4.1L
PRU X 28 08 30 11.7 50.18N 12.50E 0 4.2L,4.1L
CLL X 28 08 30 11.7–.46 50N–1.0 12E–2.0 6–1 3.8L,4.1L
WBNET X 28 08 30 11.4 50.21N 12.45E 8 3.0L,4.1L
BNS X 28 08 30 13.6–.29 50.15N 12.35E 5 3.9L,4.1L
LEDBW X 28 08 30 14.3–1.0 50.05N–.08 12.26E–.05 10–0 4.2L,4.1L
ISC Event type ke.
ISCJB Event type ke.
CSEM Event type ke.
VIE 8 km SSW of Klingenthal .
BGR Event type ke.
LDG Event type ke.
NEIC Event type se. After SZGRF.
PRU West Bohemia Swarm-felt.
BNS Event type ke.
ISC X 28 08 40 33.9–.44 50.21N–.02 12.47E–.03 10–3 87 0-1
ISCJB X 28 08 40 33.1–.38 50.21N–.02 12.49E–.03 12–3 **¶11378504**
CSEM X 28 08 40 33.8–.06 50.21N 12.48E 8 2.8L
BGR X 28 08 40 34.0–.25 50.22N 12.45E 10–2 2.0L
WBNET X 28 08 40 34.3 50.21N 12.46E 8 1.0L
PRU X 28 08 40 34.7 50.18N 12.47E 0 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.7km az=155.6.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=61.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=113.0.
PRU West Bohemia Swarm.
ISC X 28 09 47 04.2–.48 50.20N–.02 12.47E–.03 9–4 78 0-1
ISCJB X 28 09 47 03.3–.50 50.19N–.02 12.50E–.04 13–4 **¶11378517**
WBNET X 28 09 47 04.7 50.20N 12.46E 8 1.0L
CSEM X 28 09 47 04.1–.06 50.20N 12.49E 8 2.8L
BGR X 28 09 47 04.3–.26 50.21N 12.45E 10–2 2.1L
PRU X 28 09 47 05.1 50.18N 12.48E 0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.1km az=163.1.
CSEM Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=59.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=101.0.
PRU West Bohemia Swarm.
WBNET X 28 10 06 51.0 50.21N 12.46E 8 1.0L
¶15228001

ISC X 28 10 06 58.9–.28 50.19N–.01 12.46E–.02 15–2 193 0-7
LDG X 28 10 06 54.8–.50 50.38N 12.67E 10–0 3.4L **¶11374809**
ISCJB X 28 10 06 58.6–.24 50.18N–.01 12.53E–.02 10 3.4L
BGR X 28 10 06 59.9–.22 50.21N 12.46E 10–1 3.1L
NEIC X 28 10 06 59.7 50.20N 12.47E 10 2.8L
VIE X 28 10 06 59.3–.32 50.18N 12.44E 10–0 3.1L
CSEM X 28 10 06 59.2–.12 50.19N 12.44E 12 3.6L
PRU X 28 10 07 00.7 50.17N 12.49E 0 3.6L
CLL X 28 10 07 00.6–.43 50N–1.0 12E–2.0 7–1 3.0L
WBNET X 28 10 07 00.1 50.20N 12.46E 9 2.0L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=20.8km s-min=7.4km az=156.0.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=137.8.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=102.0.
NEIC Event type se. After SZGRF.
VIE Error ellipse: s-maj=7.7km s-min=2.4km az=64.0. 6 km SSW of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=80.0.
PRU West Bohemia Swarm.
ISC X 28 10 25 37.2–.48 50.21N–.02 12.46E–.03 8–4 80 0-1
ISCJB X 28 10 25 36.3–.43 50.20N–.02 12.48E–.03 12–3 **¶11378521**
WBNET X 28 10 25 37.4 50.21N 12.47E 8 1.0L
CSEM X 28 10 25 37.1–.06 50.21N 12.46E 8 2.8L
PRU X 28 10 25 37.8 50.21N 12.44E 1 2.8L

BGR X 28 10 25 37.1–.26 50.21N 12.45E 10–2 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=162.2.
CSEM Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=58.0.
PRU West Bohemia Swarm.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=105.0.
WBNET X 28 10 36 13.2 50.21N 12.46E 8 1.0L
PRU X 28 10 36 13.8 50.23N 12.42E 3 1.0L ¶15228010
PRU West Bohemia Swarm.
ISC X 28 10 39 17.2–.45 50.20N–.02 12.48E–.03 9–4 90 0-2
ISCJB X 28 10 39 16.4–.44 50.19N–.02 12.49E–.03 12–4 ¶11378523
WBNET X 28 10 39 17.6 50.20N 12.47E 8 1.0L
CSEM X 28 10 39 17.1–.09 50.20N 12.48E 10 2.9L
BGR X 28 10 39 17.4–.26 50.21N 12.45E 10–2 2.3L
PRU X 28 10 39 18.0 50.19N 12.48E 0 2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=178.7.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=64.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
PRU West Bohemia Swarm.
WBNET X 28 10 57 12.3 50.20N 12.46E 9 1.0L
¶15228047
ISC X 28 11 02 42.9–1.3 50.20N–.04 12.46E–.08 10–7 16 0-1
ISCJB X 28 11 02 42.1–1.2 50.19N–.04 12.49E–.09 13–8 ¶11378528
PRU X 28 11 02 43.5 50.19N 12.44E 2
WBNET X 28 11 02 43.3 50.20N 12.46E 9 1.0L
ISCJB Error ellipse: s-maj=10.0km s-min=6.1km az=166.6.
PRU West Bohemia Swarm.
ISC X 28 11 13 05.9–.44 50.21N–.02 12.46E–.03 9–4 106 0-1
ISCJB X 28 11 13 05.0–.39 50.21N–.02 12.48E–.03 12–3 ¶11378529
CSEM X 28 11 13 05.8–.05 50.21N 12.47E 8 2.8L
BGR X 28 11 13 05.8–.23 50.22N 12.45E 10–2 2.3L
CLL X 28 11 13 06.5–.41 50N–1.0 12E–2.0 6–1 2.0L
WBNET X 28 11 13 06.0 50.21N 12.47E 8 1.0L
PRU X 28 11 13 22.0 50.21N 12.46E 8 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=5.8.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=91.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
PRU West Bohemia Swarm.
WBNET X 28 11 13 15.0 50.21N 12.46E 8 1.0L
¶15261487
WBNET X 28 11 13 22.0 50.21N 12.46E 8 1.0L
¶15228092
WBNET X 28 13 50 39.9 50.22N 12.46E 8 0.0L
¶15261488
ISC X 28 13 55 32.9–.45 50.22N–.02 12.46E–.03 9–3 86 0-1
ISCJB X 28 13 55 32.1–.39 50.21N–.02 12.48E–.03 12–3 ¶11378540
CSEM X 28 13 55 32.9–.05 50.22N 12.46E 8 2.8L
BGR X 28 13 55 32.9–.25 50.22N 12.45E 11–2 2.0L
WBNET X 28 13 55 33.2 50.21N 12.46E 8 1.0L
PRU X 28 13 55 33.7 50.21N 12.43E 1 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=171.1.
CSEM Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=69.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=112.0.
PRU West Bohemia Swarm.
ISC X 28 14 08 42.6–.44 50.20N–.02 12.48E–.03 11–4 93 0-2
ISCJB X 28 14 08 42.0–.38 50.20N–.02 12.48E–.03 12–3 ¶11378541
CSEM X 28 14 08 42.6–.07 50.20N 12.47E 10 3.1L
BGR X 28 14 08 42.8–.24 50.21N 12.45E 10–2 2.3L
WBNET X 28 14 08 43.2 50.21N 12.46E 9 2.0L
PRU X 28 14 08 43.5 50.20N 12.49E 0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=166.8.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=65.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=106.0.
PRU West Bohemia Swarm.
ISC X 28 14 09 53.3–1.8 50.21N–.07 12.5E–.10 9–8 14 0-1
ISCJB X 28 14 09 52.8–.73 50.22N–.04 12.47E–.07 11–4 ¶15228227
PRU X 28 14 09 53.0 50.18N 12.56E 0
WBNET X 28 14 09 53.5 50.21N 12.46E 9 1.0L
ISCJB Error ellipse: s-maj=7.8km s-min=7.2km az=150.8.
PRU West Bohemia Swarm.
ISC X 28 14 51 51.4–.24 50.21N–.01 12.45E–.02 11–2 183 0-7
ISCJB X 28 14 51 50.9–.25 50.20N–.01 12.52E–.03 9–2 ¶11374818
LDG X 28 14 51 50.9–.12 50.24N 12.48E 10–0 3.3L
BGR X 28 14 51 51.8–.22 50.22N 12.45E 11–1 3.1L
VIE X 28 14 51 51.1–.31 50.20N 12.46E 9–2 3.2L,2.2b
CSEM X 28 14 51 51.5–.14 50.20N 12.49E 5 3.5L,2.2b
WBNET X 28 14 51 52.2 50.21N 12.46E 8 2.0L,2.2b
PRU X 28 14 51 52.2 50.22N 12.51E 1 2.0L,2.2b
CLL X 28 14 51 52.6–.37 50N–1.0 12E–2.0 7–1 3.0L,2.2b
NEIC X 28 14 51 52.2 50.23N 12.46E 9 3.3L,3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=170.1.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.1km az=160.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=104.0.
VIE Error ellipse: s-maj=5.3km s-min=1.7km az=54.0. 3 km S of Klingenthal .
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=77.0.
PRU West Bohemia Swarm.
NEIC Event type se. After SZGRF.
ISC X 28 15 19 44.6–.42 50.22N–.02 12.47E–.03 12–3 93 0-6
ISCJB X 28 15 19 44.0–.37 50.21N–.02 12.48E–.03 13–3 ¶11378547
CSEM X 28 15 19 44.7–.07 50.22N 12.47E 10 2.8L
BGR X 28 15 19 44.9–.23 50.22N 12.44E 11–2 2.3L
WBNET X 28 15 19 45.3 50.22N 12.46E 9 1.0L
PRU X 28 15 19 45.7 50.22N 12.48E 1 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=169.6.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=70.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
PRU West Bohemia Swarm.
ISC X 28 15 32 53.4–.42 50.21N–.02 12.49E–.03 10–4 115 0-3
ISCJB X 28 15 32 52.9–.37 50.21N–.02 12.48E–.03 12–3 ¶11378550
CSEM X 28 15 32 53.4–.07 50.21N 12.48E 10 3.0L
BGR X 28 15 32 53.7–.23 50.22N 12.45E 10–2 2.3L
CLL X 28 15 32 54.4–.41 50N–1.0 12E–2.0 7–1 2.1L
PRU X 28 15 32 54.3 50.21N 12.50E 0 2.1L
WBNET X 28 15 32 54.0 50.21N 12.46E 8 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=168.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=67.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=106.0.
PRU West Bohemia Swarm.
ISC X 28 15 52 42.9–.42 50.22N–.02 12.47E–.03 10–3 102 0-2
ISCJB X 28 15 52 42.1–.34 50.21N–.02 12.47E–.03 13–2 ¶11378556
CSEM X 28 15 52 42.7–.08 50.21N 12.47E 10 2.8L
BGR X 28 15 52 42.9–.24 50.22N 12.45E 10–2 2.1L
WBNET X 28 15 52 43.4 50.22N 12.45E 8 1.0L
PRU X 28 15 52 43.7 50.21N 12.48E 0 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=157.4.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=58.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=106.0.
PRU West Bohemia Swarm.
ISC X 28 16 00 33.5–.43 50.22N–.02 12.46E–.03 10–3 98 0-2
ISCJB X 28 16 00 32.7–.38 50.21N–.02 12.48E–.03 13–2 ¶11378557
WBNET X 28 16 00 33.9 50.22N 12.45E 8 1.0L
CSEM X 28 16 00 33.4–.08 50.21N 12.46E 10 3.0L
BGR X 28 16 00 33.5–.24 50.22N 12.45E 10–2 2.1L
PRU X 28 16 00 34.4 50.21N 12.46E 0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=169.7.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=65.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=105.0.
PRU West Bohemia Swarm.
ISC X 28 16 18 39.1–.48 50.21N–.02 12.46E–.03 10–4 85 0-1
ISCJB X 28 16 18 38.3–.41 50.20N–.02 12.48E–.03 12–3 ¶11378560
WBNET X 28 16 18 39.4 50.21N 12.46E 9 1.0L
CSEM X 28 16 18 39.0–.05 50.21N 12.46E 10 2.8L
PRU X 28 16 18 39.7 50.20N 12.45E 2 2.8L
BGR X 28 16 18 39.2–.25 50.22N 12.45E 11–2 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=159.2.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=89.0.
PRU West Bohemia Swarm.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=115.0.
ISC X 28 16 22 41.8–.42 50.21N–.02 12.48E–.03 10–4 112 0-2
CSEM X 28 16 22 41.7–.08 50.21N 12.48E 10 3.0L ¶11378561
ISCJB X 28 16 22 41.1–.38 50.21N–.02 12.48E–.03 12–3 3.0L
BGR X 28 16 22 42.0–.24 50.22N 12.45E 10–2 2.3L
CLL X 28 16 22 42.7–.42 50N–1.0 12E–2.0 6–1 2.0L
PRU X 28 16 22 42.0 50.22N 12.48E 5 2.0L
WBNET X 28 16 22 42.4 50.22N 12.46E 8 2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=67.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=1.2.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
PRU West Bohemia Swarm.
ISC X 28 16 44 55.3–.39 50.21N–.02 12.48E–.03 11–3 127 0-3
ISCJB X 28 16 44 54.6–.32 50.20N–.02 12.51E–.03 11–3 ¶11378564
VIE X 28 16 44 54.8–.47 50.19N 12.47E 8–4 2.7L,2.2b
CSEM X 28 16 44 55.3–.08 50.20N 12.48E 10 3.1L,2.2b
WBNET X 28 16 44 56.0 50.22N 12.46E 8 2.0L,2.2b
BGR X 28 16 44 55.6–.23 50.22N 12.45E 11–2 2.5L,2.2b
PRU X 28 16 44 56.4 50.21N 12.47E 1 2.5L,2.2b
CLL X 28 16 44 56.4–.41 50N–1.0 12E–2.0 6–1 2.2L,2.2b
ISC Event type ke.
ISCJB Event type ke.
VIE 4 km S of Klingenthal .
CSEM Event type ke.
BGR Event type ke.
PRU West Bohemia Swarm.
ISC X 28 19 58 38.0–.42 50.21N–.02 12.46E–.03 11–3 106 0-2
ISCJB X 28 19 58 37.3–.34 50.20N–.02 12.48E–.03 13–2 ¶11378570
CSEM X 28 19 58 37.8–.07 50.21N 12.47E 10 2.5L
WBNET X 28 19 58 38.6 50.21N 12.45E 8 1.0L
BGR X 28 19 58 38.0–.23 50.21N 12.45E 10–2 2.0L
PRU X 28 19 58 38.8 50.20N 12.46E 1 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=177.3.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=67.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
PRU West Bohemia Swarm.
WBNET X 28 20 00 09.4 50.21N 12.46E 8 1.0L
¶15228155
WBNET X 28 20 01 21.6 50.22N 12.45E 8 1.0L
¶15228154
ISC X 28 23 49 30.6–.43 50.22N–.02 12.47E–.03 9–3 103 0-3
ISCJB X 28 23 49 29.8–.37 50.22N–.02 12.48E–.03 12–3 ¶11378576
CSEM X 28 23 49 30.6–.05 50.22N 12.45E 10 3.0L
WBNET X 28 23 49 30.9 50.22N 12.46E 8 2.0L
BGR X 28 23 49 30.7–.23 50.22N 12.44E 10–2 2.3L
PRU X 28 23 49 31.3 50.23N 12.47E 3 2.3L
CLL X 28 23 49 31.3–.38 50N–1.0 12E–2.0 6–1 2.0L
ISC Event type ke.
ISCJB Event type ke.
CSEM Event type ke.
BGR Event type ke.
PRU West Bohemia Swarm.
WBNET X 29 00 06 06.8 50.22N 12.45E 8 0.0L
¶15261489
ISC X 29 00 06 20.8–.41 50.20N–.02 12.49E–.03 12–3 111 0-3
ISCJB X 29 00 06 20.4–.34 50.19N–.01 12.50E–.03 13–2 ¶11378577
CSEM X 29 00 06 20.8–.07 50.19N 12.50E 10 2.1L
WBNET X 29 00 06 21.8 50.20N 12.45E 9 1.0L
BGR X 29 00 06 21.1–.22 50.20N 12.46E 10–1 2.1L
PRU X 29 00 06 21.6 50.19N 12.51E 0 2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=170.3.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=58.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=105.0.
PRU West Bohemia Swarm.
WBNET X 29 00 06 21.6 50.20N 12.45E 9 1.0L
¶15228245
ISC X 29 00 09 36.3–.95 50.18N–.03 12.53E–.06 10–8 33 0-3
ISCJB X 29 00 09 35.4–.45 50.16N–.03 12.58E–.04 10 ¶11378578
WBNET X 29 00 09 37.0 50.20N 12.46E 9 1.0L
CSEM X 29 00 09 36.0–.40 50.18N 12.52E 10 2.6L
VIE X 29 00 09 36.4–.48 50.16N 12.54E 2–0 1.9L
PRU X 29 00 09 37.1 50.20N 12.52E 0 1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.1km az=36.6.
CSEM Event type ke. Error ellipse: s-maj=8.5km s-min=6.5km az=38.0.
VIE Error ellipse: s-maj=15.2km s-min=2.3km az=59.0. 10 km SE of Klingenthal .
PRU West Bohemia Swarm.
ISC X 29 02 10 02.6–.29 50.18N–.02 12.44E–.02 17–2 166 0-6
CSEM X 29 02 10 02.8–.11 50.19N 12.45E 17 3.2L ¶11378597
ISCJB X 29 02 10 02.3–.26 50.18N–.01 12.49E–.02 15–2 3.2L
VIE X 29 02 10 03.4–.41 50.14N 12.39E 2–0 2.8L,2.3b
LDG X 29 02 10 03.7–.28 50.23N 12.41E 10–0 2.8L,2.3b
BGR X 29 02 10 03.7–.23 50.20N 12.46E 10–1 2.7L,2.3b
NEIC X 29 02 10 03.7 50.23N 12.41E 10 2.8L,2.3b
WBNET X 29 02 10 04.1 50.20N 12.46E 9 2.0L,2.3b
PRU X 29 02 10 04.4 50.20N 12.47E 0 2.0L,2.3b
CLL X 29 02 10 04.5–.40 50N–1.0 12E–2.0 7–1 2.5L,2.3b
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
VIE 11 km SSW of Klingenthal .
LDG Event type ke.
BGR Event type ke.
NEIC Event type se. After LDG.
PRU West Bohemia Swarm.
ISC X 29 02 10 45.5–.65 50.20N–.02 12.47E–.04 9–4 64 0-1
ISCJB X 29 02 10 44.7–.61 50.19N–.02 12.49E–.05 12–5 ¶15028030
WBNET X 29 02 10 45.7 50.20N 12.46E 9 1.0L
CSEM X 29 02 10 45.4 50.20N 12.46E 10 2.0L
BGR X 29 02 10 45.4–.28 50.20N 12.46E 10–2 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.6km az=12.4.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=100.0.
ISC X 29 02 10 54.9–.66 50.20N–.02 12.47E–.04 10–4 55 0-1
ISCJB X 29 02 10 54.2–.52 50.20N–.02 12.48E–.04 12–4 ¶15028032
CSEM X 29 02 10 54.8 50.21N 12.46E 10 2.0L
BGR X 29 02 10 54.8–.29 50.21N 12.46E 10–2 2.0L
WBNET X 29 02 10 55.1 50.20N 12.46E 9 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=176.9.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After BGR.

BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=94.0.
ISC X 29 02 59 39.8–.43 50.21N–.02 12.47E–.03 9–4 91 0-3
ISCJB X 29 02 59 39.0–.38 50.21N–.02 12.48E–.03 12–3 ¶11378604
CSEM X 29 02 59 39.6–.07 50.21N 12.47E 10 2.6L
BGR X 29 02 59 39.9–.23 50.22N 12.45E 10–2 2.0L
WBNET X 29 02 59 40.1 50.21N 12.47E 8 1.0L
PRU X 29 02 59 40.6 50.21N 12.47E 0 1.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.9km az=169.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=67.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
PRU West Bohemia Swarm.
ISC X 30 08 19 02.8–.20 50.20N–.01 12.46E–.02 12–1 228 0-7
CSEM X 30 08 19 02.6–.13 50.18N 12.43E 10 3.5L ¶11391013
ISCJB X 30 08 19 02.1–.21 50.19N–.01 12.49E–.02 13–1 3.5L
VIE X 30 08 19 02.3–.36 50.14N 12.42E 2–0 3.4L,2.4b
LDG X 30 08 19 02.9–.14 50.23N 12.47E 10–0 3.2L,2.4b
PRU X 30 08 19 03.9 50.22N 12.51E 0 3.2L,2.4b
WBNET X 30 08 19 03.7 50.22N 12.45E 8 2.0L,2.4b
NEIC X 30 08 19 03.5 50.22N 12.44E 9 2.7L,2.4b
BGR X 30 08 19 03.4–.22 50.21N 12.45E 10–1 3.0L,2.4b
CLL X 30 08 19 04.1–.41 50N–1.0 12E–2.0 6–1 2.6L,2.4b
ISC Event type ke.
CSEM Event type ke.
ISCJB Event type ke.
VIE 10 km SSW of Klingenthal .
LDG Event type ke.
PRU West Bohemia Swarm.
NEIC Event type se. After SZGRF.
BGR Event type ke.
ISC X 30 22 35 27.1–.43 50.20N–.02 12.47E–.03 9–4 92 0-1
ISCJB X 30 22 35 26.3–.42 50.20N–.02 12.50E–.03 11–4 ¶11391029
CSEM X 30 22 35 27.1–.05 50.20N 12.48E 8 2.7L
WBNET X 30 22 35 27.6 50.21N 12.46E 8 1.0L
BGR X 30 22 35 27.3–.23 50.21N 12.45E 10–2 2.0L
PRU X 30 22 35 28.0 50.19N 12.47E 0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=5.1.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=62.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=109.0.
PRU West Bohemia Swarm.
ISC X 31 03 17 42.1–.18 50.15N–.01 12.33E–.02 10 273 0-7
ISCJB X 31 03 17 40.7–.21 50.10N–.01 12.26E–.02 10 ¶11391036
NEIC X 31 03 17 40.3–1.3 50.37N 12.39E 10 2.9L
CSEM X 31 03 17 42.0–.13 50.16N 12.34E 14 3.0L
LDG X 31 03 17 42.7–.04 50.21N 12.45E 10–0 2.9L
BGR X 31 03 17 43.5–.22 50.22N 12.45E 10–1 2.8L
WBNET X 31 03 17 43.9 50.22N 12.45E 8 2.0L
PRU X 31 03 17 44.1 50.21N 12.52E 0 2.0L
CLL X 31 03 17 44.2–.39 50N–1.0 12E–2.0 6–1 2.7L
ISC Event type ke.
ISCJB Event type ke.
NEIC Event type se.
CSEM Event type ke.
LDG Event type ke.
BGR Event type ke.
PRU West Bohemia Swarm-felt.
WBNET X 31 09 58 29.4 50.21N 12.47E 7 0.0L
¶15261490
ISC X 31 09 58 38.0–.78 50.22N–.02 12.46E–.04 7–5 30 0-1
ISCJB X 31 09 58 37.2–.68 50.22N–.02 12.48E–.05 12–3 ¶11391049
PRU X 31 09 58 38.6 50.21N 12.44E 1
WBNET X 31 09 58 38.1 50.22N 12.46E 7 1.0L
ISCJB Error ellipse: s-maj=5.0km s-min=3.9km az=154.9.
PRU West Bohemia Swarm.
ISC XI 17 16 09 15.5–.29 50.22N–.01 12.49E–.02 11–2 142 0-4
ISCJB XI 17 16 09 14.8–.26 50.21N–.01 12.50E–.03 12–2 ¶11458320
VIE XI 17 16 09 15.3–.23 50.17N 12.37E 6–2 2.9L,2.2b
CSEM XI 17 16 09 15.5–.07 50.22N 12.48E 10 2.9L,2.2b
BGR XI 17 16 09 15.7–.23 50.22N 12.45E 11–2 2.6L,2.2b
WBNET XI 17 16 09 16.2 50.22N 12.45E 8 2.0L,2.2b
PRU XI 17 16 09 16.4 50.22N 12.49E 0 2.0L,2.2b
CLL XI 17 16 09 16.5–.37 50N–1.0 12E–2.0 6–1 2.4L,2.2b
ISC Event type ke.
ISCJB Event type ke.
VIE 9 km SW of Klingenthal .
CSEM Event type ke.
BGR Event type ke.
PRU West Bohemia Swarm-felt In Rotava.
WBNET XI 23 18 44 17.6 50.24N 12.45E 7 0.0L
LDG XI 23 18 44 17.6–.07 50.27N 12.42E 2–0 2.6L ¶15692577
CSEM XI 23 18 44 17.6–.10 50.21N 12.46E 12 3.4L
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.2km az=146.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=157.0.
WBNET XI 23 18 44 18.8 50.24N 12.45E 7 2.0L
IPEC XI 23 18 44 18.1–.10 50.24N 12.54E 0–1 2.1L ¶11473303
PRU XI 23 18 44 18.9 50.23N 12.51E 0 2.1L
BGR XI 23 18 44 18.4–.23 50.24N 12.45E 10–2 2.5L
NEIC XI 23 18 44 18.9 50.23N 12.51E 0 2.9L,2.6L
CLL XI 23 18 44 19.1–.43 50N–1.0 12E–2.0 5–1 2.4L,2.6L
IPEC Event type ke.
PRU West Bohemia Swarm-felt.
BGR Event type ke.
NEIC Event type se. After PRU.
WBNET XI 24 01 01 21.2 50.24N 12.45E 7 0.0L
¶11478356
WBNET XI 24 01 02 16.1 50.24N 12.45E 7 0.0L
PRU XI 24 01 02 16.1 50.24N 12.42E 4 0.0L ¶15688708
PRU West Bohemia Swarm.
ISC XI 27 00 32 22.5–.82 50.22N–.02 12.47E–.05 9–5 30 0-1
ISCJB XI 27 00 32 21.8–.51 50.22N–.02 12.49E–.04 12–3 ¶11482868
WBNET XI 27 00 32 22.8 50.22N 12.45E 8 1.0L
PRU XI 27 00 32 23.0 50.21N 12.48E 0 1.0L
ISCJB Error ellipse: s-maj=4.7km s-min=3.9km az=150.5.
PRU West Bohemia Swarm.
ISC XII 10 12 04 37.7–.49 50.24N–.02 12.47E–.04 9–5 72 0-1
ISCJB XII 10 12 04 36.7–.54 50.24N–.02 12.49E–.04 13–5 ¶12076740
CSEM XII 10 12 04 37.7–.05 50.24N 12.48E 8 2.8L
BGR XII 10 12 04 37.8–.25 50.25N 12.44E 10–2 2.0L
PRU XII 10 12 04 38.6 50.24N 12.52E 0 2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=176.4.
CSEM Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=79.0.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=108.0.
PRU West Bohemia Swarm.
ISC XII 16 00 34 32.7–.14 47.446N–.01 9.17E–.01 16–1 618 0-8
GEN XII 16 00 34 31.4 47.57N 9.22E 3 2.8L ¶12077688
CSEM XII 16 00 34 32.6–.07 47.45N 9.19E 15 3.3L
LDG XII 16 00 34 32.6–.06 47.47N 9.25E 2–0 3.1L
ZUR XII 16 00 34 32.8 47.44N 9.20E 8–0 2.9L
NEIC XII 16 00 34 33.3 47.45N 9.20E 7 3.1L,2.9L
BGR XII 16 00 34 33.2–.49 47.44N 9.18E 10 2.8L,2.9L
LEDBW XII 16 00 34 33.3–.16 47.45N–.01 9.198E–.01 7–4 2.9L,2.9L
VIE XII 16 00 34 33.3–.30 47.43N 9.24E 14–1 3.1L,2.3b
ISCJB XII 16 00 34 33.5–.20 47.43N–.01 9.17E–.02 20–2 3.1L,2.3b
STR XII 16 00 34 34.2–.29 47.44N 9.11E 5–0 2.9L,2.3b
PRU XII 16 00 34 34.1 47.56N 9.43E 5 2.9L,2.3b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=5.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=77.0.
NEIC Event type se. After ZUR.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=31.0.
LEDBW Error ellipse: s-maj=4.0km s-min=3.0km az=18.0.
VIE Error ellipse: s-maj=1.9km s-min=1.7km az=137.0. 11 km W of St.Gallen .
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=20.7.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC XII 16 00 40 56.8–.17 47.45N–.01 9.18E–.01 14–1 438 0-5
ISCJB XII 16 00 40 55.8–.18 47.44N–.01 9.17E–.01 12–1 ¶12077689
NEIC XII 16 00 40 56.6 47.44N 9.20E 7 2.5L,2.3L
CSEM XII 16 00 40 56.4–.06 47.45N 9.19E 12 2.7L,2.3L
ZUR XII 16 00 40 56.6 47.45N 9.20E 9–1 2.3L,2.3L
VIE XII 16 00 40 57.0–.24 47.44N 9.23E 13–1 2.5L,2.0b
BGR XII 16 00 40 57.0–.70 47.43N 9.17E 10 2.3L,2.0b
LDG XII 16 00 40 57.5–.09 47.47N 9.22E 4–0 2.5L,2.0b
LEDBW XII 16 00 40 57.1–.13 47.455N–.01 9.198E–.01 6–3 2.4L,2.0b
STR XII 16 00 41 00.4–.26 47.60N 9.04E 5–0 2.4L,2.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=8.2.
NEIC Event type se. After ZUR.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=179.0.
VIE Error ellipse: s-maj=1.6km s-min=1.4km az=127.0. 11 km W of St.Gallen .
BGR Event type ke. Error ellipse: s-maj=10.0km s-min=3.3km az=34.0.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=113.0.
LEDBW Error ellipse: s-maj=3.4km s-min=2.6km az=7.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC XII 16 11 22 20.0–.23 47.25N–.01 9.97E–.01 14–2 323 0-5
ISCJB XII 16 11 22 19.0–.24 47.23N–.02 9.94E–.02 14–2 ¶12077747
LDG XII 16 11 22 19.4–.09 47.26N 10.10E 2–0 2.8L
CSEM XII 16 11 22 19.8–.10 47.25N 9.97E 12 2.7L
STR XII 16 11 22 19.7–.58 47.26N 9.99E 5–0 2.7L
LEDBW XII 16 11 22 20.3–.40 47.23N–.03 10.05E–.02 10–0 2.6L
ZUR XII 16 11 22 20.3 47.28N 10.01E 3–1 2.5L
BGR XII 16 11 22 21.0–.40 47.27N 9.98E 10 2.5L
VIE XII 16 11 22 20.1–.13 47.26N 9.99E 7–1 2.7L,2.0b
NEIC XII 16 11 22 20.3 47.20N 10.10E 10 2.8L,2.6L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=8.5.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=179.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LEDBW Error ellipse: s-maj=8.0km s-min=4.0km az=165.0.
BGR Event type fe. Error ellipse: s-maj=4.4km s-min=3.3km az=13.0. Felt.
VIE Event type fe. Error ellipse: s-maj=1.0km s-min=0.7km az=167.0. 10 km E of Damls . felt 3 ems98 at Goetzis / VORARLBERG.
NEIC Event type se. After LEDBW.
LEDBW XII 27 12 41 15.1–.20 47.450N–.01 9.200E–.01 7–3 2.1L
¶11519518

(544) Switzerland.

ZUR VII 03 16 38 32.6 46.26N 7.22E -2–2 1.0L
CSEM VII 03 16 38 32.6 46.26N 7.22E -2 1.0L ¶12063993
ZUR Event type ke.
CSEM Event type ke. After ZUR.
VIE VII 10 20 20 29.1–.31 47.33N 8.92E 10–1 2.0L
CSEM VII 10 20 20 29.1–.09 47.28N 8.91E 12 2.3L ¶11163108
LDG VII 10 20 20 29.8–.09 47.31N 8.97E 4–0 2.2L,2.2
ZUR VII 10 20 20 29.1 47.32N 8.98E -0–2 1.7L,2.2
STR VII 10 20 20 31.6–.75 47.38N 8.88E 10–0 2.1L,2.2
VIE Error ellipse: s-maj=1.9km s-min=1.4km az=122.0. 23 km SSE of Winterthur .
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=5.0.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=92.0.
ZUR Event type ke.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VII 24 04 13 44.2–.21 46.04N–.01 6.87E–.03 12–2 191 0-4
ISCJB VII 24 04 13 43.4–.22 46.03N–.01 6.84E–.03 11–2 ¶11163241
ROM VII 24 04 13 44.4–.15 46.02N 6.95E 7–1 1.9
LDG VII 24 04 13 44.7–.04 46.03N 6.92E 2–0 2.8L
CSEM VII 24 04 13 44.0–.07 46.03N 6.88E 10 3.0L
NEIC VII 24 04 13 44.7 46.03N 6.92E 2 2.8L,2.8L
ZUR VII 24 04 13 44.9 46.04N 6.91E 5–1 2.2L,2.8L
STR VII 24 04 13 45.3–.33 46.05N 6.94E 5–0 2.8L,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=8.6.
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=141.0.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=93.0.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=89.0.
NEIC Event type se. After LDG.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VII 24 04 14 07.0–.20 46.04N–.01 6.83E–.02 11–2 177 0-8
ISCJB VII 24 04 14 06.0–.22 46.05N–.01 6.73E–.02 10 ¶11163242
CSEM VII 24 04 14 07.0–.10 46.04N 6.84E 10 3.3L
ROM VII 24 04 14 07.8–.17 46.02N 6.95E 7–2 2.5L
NEIC VII 24 04 14 07.6 46.04N 6.89E 2 3.3L,3.0L
LDG VII 24 04 14 07.6–.04 46.04N 6.89E 2–0 3.3L,3.1
STR VII 24 04 14 08.2–.26 46.04N 6.92E 5–0 3.0L,3.1
ZUR VII 24 04 14 08.3 46.04N 6.92E 5–1 2.6L,3.1
PRU VII 24 04 14 10.8 46.13N 7.03E 0 2.6L,3.1
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.7km az=179.6.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=100.0.
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=2.4km az=68.0.
NEIC Event type fe. Felt in the Chamonix area. After LDG.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=88.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VII 27 22 50 32.9–.23 46.19N–.01 6.74E–.02 12–3 152 0-8
ISCJB VII 27 22 50 31.6–.24 46.18N–.01 6.69E–.02 9–3 ¶11163280
CSEM VII 27 22 50 32.8–.08 46.18N 6.75E 10 2.0L
LDG VII 27 22 50 33.5–.03 46.20N 6.80E 2–0 2.1,2.0L
ZUR VII 27 22 50 34.0 46.20N 6.81E 1–2 1.5L,2.0L
ROM VII 27 22 50 34.2–.13 46.15N 6.85E 9–0 2.0,1.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.4km az=166.1.
CSEM Event type ke. Error ellipse: s-maj=1.6km s-min=1.6km az=71.0.
LDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=80.0.
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=123.0.
ISC VIII 18 10 14 57.9–.66 46.30N–.07 8.41E–.09 18–8 26 0-1
ISCJB VIII 18 10 14 57.0–.66 46.32N–.07 8.41E–.08 13–9 ¶13657606
CSEM VIII 18 10 14 57.5 46.31N 8.40E 10 2.5
ROM VIII 18 10 14 57.5–.54 46.31N 8.40E 10–0 2.5,2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.0km s-min=5.0km az=140.3.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ROM.
ROM Event type ke. Error ellipse: s-maj=9.9km s-min=4.5km az=159.0.
ISC VIII 21 01 21 28.9–.38 46.61N–.02 8.01E–.03 12–4 90 1-3
LDG VIII 21 01 21 23.0–.18 46.65N 8.47E 10–0 2.5L ¶11227227
NEIC VIII 21 01 21 23.0 46.65N 8.47E 10 2.5L
VIE VIII 21 01 21 23.1–.45 46.43N 7.88E 12–1 2.3L
CSEM VIII 21 01 21 26.8–.25 46.62N 8.09E 2 2.5L
ISCJB VIII 21 01 21 27.0–.40 46.64N–.02 7.98E–.03 4–5 2.5L
ROM VIII 21 01 21 30.0–.41 46.49N 8.10E 10–0 2.6,1.9L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=1.4km az=93.0.
NEIC Event type se. After LDG.
VIE Error ellipse: s-maj=3.2km s-min=2.5km az=150.0. 14 km NNW of Solothurn .
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=3.7km az=142.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=148.7.
ROM Event type ke. Error ellipse: s-maj=7.3km s-min=2.8km az=147.0.
ISC VIII 25 02 03 46.8–.23 46.17N–.01 6.67E–.02 12–2 166 0-5
ISCJB VIII 25 02 03 45.5–.25 46.18N–.01 6.60E–.02 6–2 ¶11227276
CSEM VIII 25 02 03 46.7–.08 46.17N 6.68E 10 2.2L
LDG VIII 25 02 03 47.6–.05 46.17N 6.73E 3–0 2.5,2.2L
ZUR VIII 25 02 03 47.5 46.18N 6.69E 3–2 1.7L,2.2L

STR	VIII	25 02 03 48.9–1.1	46.21N	6.83E	5–0	2.0L,2.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=15.6.							
CSEM	Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=102.0.							
LDG	Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=100.0.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
ISC	**IX**	**13 00 17 13.7–.38**	**46.01N–.01**	**7.48E–.03**	**17–4**		**113**	**0-3**
ISCJB	IX	13 00 17 12.8–.34	46.03N–.01	7.42E–.03	10			**¶11302720**
CSEM	IX	13 00 17 13.6–.14	46.01N	7.48E	15	2.3L		
ROM	IX	13 00 17 14.0–.19	46.00N	7.50E	11–2	2.1,1.8L		
ZUR	IX	13 00 17 14.5	45.98N	7.50E	-2–2	1.4L,1.8L		
LDG	IX	13 00 17 14.3–.07	46.01N	7.51E	6–0	2.6,2.3L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=168.4.							
CSEM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=82.0.							
ROM	Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=170.0.							
LDG	Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=88.0.							
ISC	**IX**	**17 02 57 42.2–.18**	**47.22N–.01**	**7.52E–.02**	**16–2**		**250**	**0-4**
ISCJB	IX	17 02 57 41.0–.20	47.20N–.01	7.49E–.02	9–2			**¶11279463**
NEIC	IX	17 02 57 42.9	47.23N	7.55E	8	2.5L,2.3L		
ZUR	IX	17 02 57 42.9	47.23N	7.55E	8–1	2.1L,2.3L		
CSEM	IX	17 02 57 42.1–.10	47.22N	7.53E	15	2.6L,2.3L		
GEN	IX	17 02 57 43.6	47.19N	7.58E	1	2.0L,2.3L		
STR	IX	17 02 57 43.4–.23	47.26N	7.55E	10–0	2.3L,2.3L		
LDG	IX	17 02 57 43.0–.05	47.22N	7.53E	8–0	2.7,2.5L		
BGR	IX	17 02 57 45.0–1.1	47.29N	7.64E	10	2.1L,2.5L		
VIE	IX	17 02 57 45.2–.43	47.16N	7.72E	13–2	2.2L,1.7b		
ROM	IX	17 02 57 45.4–.78	47.19N	7.46E	10–0	2.5,1.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=25.7.							
NEIC	Event type se. After ZUR.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=140.0.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
LDG	Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=132.0.							
BGR	Event type ke. Error ellipse: s-maj=10.0km s-min=3.3km az=42.0.							
VIE	Error ellipse: s-maj=2.7km s-min=2.4km az=37.0. 21 km NW of Luzern .							
ROM	Event type ke. Error ellipse: s-maj=11.5km s-min=3.5km az=139.0.							
ZUR	**X**	**08 00 57 43.8**	**46.33N**	**7.39E**	**6–2**	**1.0L**		
CSEM	X	08 00 57 43.8	46.33N	7.39E	6	1.0L		**¶12066305**
CSEM	Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ZUR.							
ISC	**X**	**14 16 47 47.1–.20**	**46.13N–.01**	**6.98E–.02**	**13–1**		**281**	**0-5**
ISCJB	X	14 16 47 46.0–.21	46.13N–.01	6.94E–.02	10–2			**¶15027811**
GEN	X	14 16 47 47.9	46.10N	7.04E	2	2.0L		
ZUR	X	14 16 47 47.9	46.14N	7.03E	5–1	2.0L		
NEIC	X	14 16 47 47.7	46.08N	7.05E	6	2.5L,2.3L		
ROM	X	14 16 47 47.7–.21	46.08N	7.05E	6–2	2.4,2.0L		
CSEM	X	14 16 47 47.0–.07	46.12N	6.97E	10	2.5L,2.0L		
LDG	X	14 16 47 48.0–.04	46.13N	7.00E	5–0	2.6,2.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=0.3.							
NEIC	Event type se. After ROM.							
ROM	Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=156.0.							
CSEM	Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=99.0.							
LDG	Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=110.0.							
ISC	**X**	**31 17 49 43.6–.20**	**46.27N–.01**	**6.31E–.02**	**9–2**		**328**	**0-7**
ISCJB	X	31 17 49 42.0–.23	46.28N–.01	6.27E–.02	2–2			**¶11395453**
CSEM	X	31 17 49 43.6–.07	46.28N	6.33E	10	2.8L		
LDG	X	31 17 49 44.5–.04	46.28N	6.39E	2–0	2.9,2.8L		
ZUR	X	31 17 49 44.3	46.29N	6.38E	-0–6	2.2L,2.8L		
BGR	X	31 17 49 44.6–2.4	46.28N	6.27E	10	3.0L,2.8L		
NEIC	X	31 17 49 44.7	46.24N	6.45E	5	2.8L,2.7L		
ROM	X	31 17 49 45.7–1.4	46.23N	6.41E	10–0	2.2,1.9L		
GEN	X	31 17 49 47.4	46.20N	6.58E	3	1.9L,1.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=1.9km s-min=1.9km az=43.5.							
CSEM	Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=63.0.							
LDG	Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=105.0.							
BGR	Event type ke. Error ellipse: s-maj=27.8km s-min=17.8km az=30.0.							
NEIC	Event type se. After STR.							
ROM	Event type ke. Error ellipse: s-maj=14.4km s-min=12.5km az=108.0.							
ISC	**XI**	**09 07 22 31.4–.16**	**46.811N–.01**	**9.17E–.01**	**7–1**		**838**	**0-9**
ISCJB	XI	09 07 22 30.2–.17	46.801N–.01	9.14E–.01	4–1			**¶11406505**
CSEM	XI	09 07 22 31.2–.07	46.81N	9.18E	5	3.8L		
VIE	XI	09 07 22 31.9–.39	46.79N	9.28E	8–1	3.8L,2.9b		
ZUR	XI	09 07 22 31.3	46.79N	9.20E	4–0	3.7L,2.9b		
ROM	XI	09 07 22 31.8–.49	46.74N	9.22E	7–3	3.2,3.2L		
GEN	XI	09 07 22 31.1	46.87N	9.17E	5	3.3L,3.2L		
NEIC	XI	09 07 22 31.3	46.79N	9.20E	4	3.7L,3.6L		
LEDBW	XI	09 07 22 32.5–.52	46.82N–.03	9.23E–.02	10–0	3.9L,3.6L		
LDG	XI	09 07 22 32.0–.09	46.86N	9.27E	2–0	3.5L,3.6L		
STR	XI	09 07 22 33.3–.16	46.81N	9.14E	5–0	3.5L,3.6L		
PRU	XI	09 07 22 33.2	47.22N	8.99E	8	3.5L,3.6L		
BGR	XI	09 07 22 33.6–.44	46.89N	9.20E	10	3.7L,3.6L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=141.6.							
CSEM	Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=159.0.							
VIE	Error ellipse: s-maj=2.5km s-min=1.6km az=82.0. 24 km W of Chur .							
ROM	Event type ke. Error ellipse: s-maj=4.7km s-min=2.2km az=164.0.							
NEIC	Event type se. After ZUR.							
LEDBW	Error ellipse: s-maj=12.2km s-min=7.2km az=157.0.							
LDG	Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=145.0.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
BGR	Event type ke. Error ellipse: s-maj=7.8km s-min=5.6km az=23.0.							
ISC	**XI**	**13 08 31 35.7–.68**	**46.21N–.04**	**7.29E–.06**	**19–4**		**41**	**0-2**
ISCJB	XI	13 08 31 36.0–.65	46.20N–.04	7.29E–.05	16–8			**¶12073403**
CSEM	XI	13 08 31 35.7–.13	46.21N	7.30E	18–1	2.7L		
ROM	XI	13 08 31 36.5–.37	46.17N	7.28E	10–2	1.8,1.5L		
ZUR	XI	13 08 31 36.6	46.21N	7.30E	6–1	1.5L,1.5L		
GEN	XI	13 08 31 36.8	46.17N	7.30E	11	1.5L,1.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=5.7km az=137.4.							
CSEM	Event type ke. Error ellipse: s-maj=2.7km s-min=2.5km az=16.0.							
ROM	Event type ke. Error ellipse: s-maj=5.2km s-min=3.1km az=17.0.							
ISC	**XI**	**17 11 25 09.2–.20**	**46.10N–.01**	**7.27E–.02**	**8–2**		**339**	**0-4**
ISCJB	XI	17 11 25 07.9–.22	46.10N–.01	7.23E–.02	3–2			**¶11474907**
CSEM	XI	17 11 25 08.8–.09	46.08N	7.30E	5	2.8L		
NEIC	XI	17 11 25 09.7	46.10N	7.31E	4	2.8L		
LDG	XI	17 11 25 09.7–.06	46.10N	7.31E	4–0	2.8L,2.8		
ZUR	XI	17 11 25 09.6	46.10N	7.32E	4–1	2.2L,2.8		
VIE	XI	17 11 25 09.6–.26	46.02N	7.38E	10–2	2.3L,2.0b		
GEN	XI	17 11 25 09.3	46.08N	7.33E	5	2.2L,2.0b		
ROM	XI	17 11 25 09.3–.33	46.07N	7.33E	9–1	2.4,2.3L		
STR	XI	17 11 25 11.7–.24	46.18N	7.10E	10–0	2.8L,2.3L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=18.4.							
CSEM	Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=94.0.							
NEIC	Event type se. After LDG.							
LDG	Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=101.0.							
VIE	Error ellipse: s-maj=3.8km s-min=1.0km az=135.0. 23 km S of Sion .							
ROM	Event type ke. Error ellipse: s-maj=6.9km s-min=2.3km az=146.0.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
ISC	**XI**	**20 13 20 18.4–.17**	**46.034N–.01**	**6.82E–.01**	**8–2**		**417**	**0-6**
ISCJB	XI	20 13 20 17.1–.20	46.052N–.01	6.79E–.02	2–2			**¶11473114**
CSEM	XI	20 13 20 18.4–.07	46.03N	6.85E	10	3.4L		
STR	XI	20 13 20 19.8–.26	46.05N	6.84E	5–0	3.4L		
GEN	XI	20 13 20 19.3	46.01N	6.95E	0	2.7L		
LDG	XI	20 13 20 19.2–.04	46.03N	6.90E	2–0	3.4L,3.2		
NEIC	XI	20 13 20 19.2	46.03N	6.90E	2	3.4L,3.1L		
ROM	XI	20 13 20 19.1–.16	46.01N	6.95E	5–2	2.7L,2.6		
ZUR	XI	20 13 20 19.4	46.04N	6.91E	5–1	2.9L,2.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=177.0.							
CSEM	Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=90.0.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
LDG	Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=103.0.							
NEIC	Event type se. After LDG.							
ROM	Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=57.0.							
ISC	**XII**	**12 20 19 42.4–.26**	**46.08N–.01**	**6.39E–.02**	**16–2**		**142**	**0-3**
ZUR	XII	12 20 19 42.7	46.09N	6.41E	14–6	1.8L		**¶12077177**
LDG	XII	12 20 19 42.9–.02	46.08N	6.41E	2–0	2.3L,2.3		
ISCJB	XII	12 20 19 42.6–.29	46.08N–.02	6.40E–.03	24–3	2.3L,2.3		
CSEM	XII	12 20 19 42.3–.06	46.08N	6.39E	15	2.2L,2.3		
GEN	XII	12 20 19 42.3	46.08N	6.35E	5	1.5L,2.3		
STR	XII	12 20 19 43.1–.23	46.05N	6.38E	5–0	2.7L,2.3		
ISC	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=84.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=164.4.							
CSEM	Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=75.0.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							

(545) Northern Italy.

ISC	**VII**	**06 03 07 13.6–.39**	**44.25N–.02**	**8.20E–.03**	**14–2**		**178**	**0-4**
ROM	VII	06 03 07 12.7–.26	44.20N	8.27E	10–2	2.5,2.3L		**¶11108367**
ISCJB	VII	06 03 07 13.0–.39	44.27N–.02	8.18E–.03	14–2	2.5,2.3L		
CSEM	VII	06 03 07 13.7–.19	44.26N	8.18E	10	2.7L,2.3L		
NEIC	VII	06 03 07 14.8	44.27N	8.13E	10	2.6L,2.5L		
STR	VII	06 03 07 14.8–.21	44.27N	8.13E	10–0	2.5L,2.5L		
LDG	VII	06 03 07 15.2–.15	44.19N	8.15E	5–0	2.5L,2.5		
ISC	Event type ke.							
ROM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=155.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=135.5.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=2.3km az=127.0.							
NEIC	Event type se. After STR.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
LDG	Event type ke. Error ellipse: s-maj=2.9km s-min=1.3km az=114.0.							
ISC	**VII**	**06 03 12 57.9–.45**	**44.25N–.02**	**8.19E–.03**	**14–2**		**161**	**0-4**
ROM	VII	06 03 12 56.9–.24	44.20N	8.24E	8–3	2.6,2.3L		**¶11108368**
CSEM	VII	06 03 12 57.7–.20	44.25N	8.20E	10	2.6L,2.3L		
ISCJB	VII	06 03 12 57.6–.50	44.24N–.03	8.24E–.04	21–4	2.6L,2.3L		
STR	VII	06 03 12 59.0–.29	44.27N	8.13E	10–0	2.5L,2.3L		
LDG	VII	06 03 12 59.2–.13	44.19N	8.17E	5–0	2.5L,2.5		
NEIC	VII	06 03 12 59.0	44.27N	8.13E	10	2.5L,2.5L		
ISC	Event type ke.							
ROM	Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=151.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.1km s-min=2.5km az=129.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.2km s-min=3.3km az=37.8.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
LDG	Event type ke. Error ellipse: s-maj=2.6km s-min=1.3km az=117.0.							
NEIC	Event type se. After STR.							
ISC	**VII**	**06 05 10 45.6–.51**	**44.24N–.02**	**8.20E–.04**	**13–2**		**106**	**0-4**
ROM	VII	06 05 10 44.6–.20	44.22N	8.25E	10–1	2.2,2.0L		**¶11108374**
ISCJB	VII	06 05 10 45.1–.48	44.25N–.02	8.17E–.03	12–3	2.2,2.0L		
CSEM	VII	06 05 10 45.5–.19	44.25N	8.20E	10	2.5L,2.0L		
STR	VII	06 05 10 46.7–.50	44.30N	8.13E	10–0	2.4L,2.0L		
LDG	VII	06 05 10 47.3–.21	44.21N	8.13E	5–0	2.4L,2.3		
ISC	Event type ke.							
ROM	Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=127.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.2km az=135.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=132.0.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
LDG	Event type ke. Error ellipse: s-maj=3.7km s-min=2.0km az=103.0.							
ISC	**VII**	**06 08 04 18.1–.40**	**44.25N–.02**	**8.19E–.03**	**15–2**		**178**	**0-4**
CSEM	VII	06 08 04 17.9–.17	44.25N	8.19E	10	2.7L		**¶11108380**
ROM	VII	06 08 04 17.0–.26	44.21N	8.22E	7–2	2.5,2.4L		
ISCJB	VII	06 08 04 17.9–.45	44.24N–.03	8.24E–.04	23–3	2.5,2.4L		
STR	VII	06 08 04 18.6–.38	44.29N	8.16E	10–0	2.6L,2.4L		
NEIC	VII	06 08 04 18.6	44.29N	8.16E	10	2.7L,2.6L		
LDG	VII	06 08 04 19.1–.15	44.19N	8.18E	6–0	2.7L,2.5		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=134.0.							
ROM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=157.0.							
ISCJB	Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=40.0.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
NEIC	Event type se. After STR.							
LDG	Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=123.0.							
ISC	**VII**	**06 08 08 20.7–.33**	**44.24N–.02**	**8.21E–.02**	**15–2**		**201**	**0-5**
ROM	VII	06 08 08 19.9–.25	44.21N	8.25E	10–2	2.8,2.8L		**¶11108383**
CSEM	VII	06 08 08 20.7–.15	44.25N	8.20E	10	3.2L,2.8L		
ISCJB	VII	06 08 08 20.3–.33	44.24N–.02	8.29E–.03	24–3	3.2L,2.8L		
STR	VII	06 08 08 21.4–.38	44.30N	8.16E	10–0	2.8L,2.8L		
NEIC	VII	06 08 08 21.4	44.30N	8.16E	10	3.0L,2.8L		
LDG	VII	06 08 08 22.6–.08	44.20N	8.13E	6–0	3.0L,2.7		
ISC	Event type ke.							
ROM	Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=153.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=141.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=150.2.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
NEIC	Event type se. After STR.							
LDG	Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=145.0.							
ISC	**VII**	**06 09 26 21.5–.32**	**44.25N–.02**	**8.22E–.02**	**14–2**		**209**	**0-6**
NEIC	VII	06 09 26 20.7	44.20N	8.25E	8	3.0L,2.8L		**¶11108388**
ROM	VII	06 09 26 20.7–.31	44.20N	8.25E	8–3	2.9,2.8L		
ISCJB	VII	06 09 26 21.3–.34	44.23N–.02	8.26E–.03	24–3	2.9,2.8L		
CSEM	VII	06 09 26 21.1–.15	44.23N	8.25E	10	3.3L,2.8L		
STR	VII	06 09 26 22.6–.36	44.30N	8.14E	10–0	2.8L,2.8L		
LDG	VII	06 09 26 23.5–.09	44.21N	8.13E	6–0	3.0L,3.0		
ISC	Event type ke.							
NEIC	Event type se. After ROM.							
ROM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=22.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=147.2.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=148.0.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
LDG	Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=143.0.							
ISC	**VII**	**09 12 50 00.4–.29**	**44.60N–.01**	**7.24E–.03**	**13–2**		**154**	**0-4**
ISCJB	VII	09 12 49 59.7–.29	44.60N–.01	7.22E–.03	14–2			**¶11163096**
ROM	VII	09 12 50 00.3–.23	44.58N	7.20E	13–4	2.3,2.3L		
LDG	VII	09 12 50 00.6–.07	44.60N	7.28E	2–0	2.8L,2.7		
NEIC	VII	09 12 50 00.3	44.58N	7.20E	13	2.8L,2.4L		
STR	VII	09 12 50 00.5–.30	44.60N	7.26E	5–0	2.4L,2.4L		
CSEM	VII	09 12 50 00.2–.09	44.60N	7.25E	12	2.8L,2.4L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=165.8.							
ROM	Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=48.0.							
LDG	Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=77.0.							
NEIC	Event type se. After ROM.							
STR	Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.							
CSEM	Event type ke. Error ellipse: s-maj=2.1km s-min=1.3km az=77.0.							
ISC	**VII**	**10 15 02 15.9–.42**	**44.39N–.04**	**10.86E–.05**	**24–4**		**60**	**0-3**
VIE	VII	10 15 02 14.7–.26	44.49N	10.94E	9–1	2.8L,2.1b		**¶13656858**
CSEM	VII	10 15 02 14.9–.19	44.44N	10.88E	22–2	2.8L,2.1b		
ISCJB	VII	10 15 02 15.6–.43	44.40N–.04	10.87E–.05	25–4	2.8L,2.1b		
ROM	VII	10 15 02 15.9–.22	44.38N	10.84E	21–4	2.3,2.0L		
ISC	Event type ke.							
VIE	Error ellipse: s-maj=2.8km s-min=1.3km az=114.0. 31 km W of Bologna .							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=3.7km az=105.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.0km s-min=5.9km az=177.7.							
ROM	Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=6.0.							
ISC	**VII**	**14 03 51 41.1–.19**	**45.634N–.01**	**10.49E–.01**	**10–1**	**3.5b**	**621**	**0-64**
ISCJB	VII	14 03 51 39.8–.19	45.65N–.01	10.48E–.01	9–1	3.5b		**¶11121235**
SZGRF	VII	14 03 51 40.2	45.39N	10.46E	10	3.9b		
NEIC	VII	14 03 51 40.0	45.68N	10.56E	2	3.7L,3.7L		
CSEM	VII	14 03 51 40.7–.06	45.63N	10.52E	8	4.0L,3.7L		

ROM VII 14 03 51 40.8–.14 45.68N 10.53E 4–1 3.5L,3.1
VIE VII 14 03 51 41.1–.23 45.68N 10.53E 8–1 3.7L,3.3b
ZUR VII 14 03 51 41.1 45.65N 10.48E 2–1 3.6L,3.3b
IDC VII 14 03 51 41.8–3.4 45.68N 10.68E 13–17 3.6,3.4b
LDG VII 14 03 51 42.1–.12 45.62N 10.60E 10–0 3.7L,3.4b
STR VII 14 03 51 43.1–.30 45.64N 10.28E 5–0 3.7L,3.4b
PRU VII 14 03 51 43.2 45.69N 10.75E 5 3.7L,3.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.4km az=163.9.
SZGRF Northern Italy.
NEIC Event type fe. Felt [IV] at Lonato, Polpenazze del Garda and Salo; [III] at Brescia, Gardone Riviera, Gavardo and Rivoltella. Also felt at Verona. After ROM.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=168.0.
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=84.0.
VIE Error ellipse: s-maj=1.4km s-min=1.3km az=30.0. 56 km SSW of Pinzolo .
IDC Error ellipse: s-maj=25.2km s-min=17.5km az=179.0.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=161.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VII 14 13 46 18.9–.42 44.03N–.03 8.99E–.02 19–2 138 1-5
LDG VII 14 13 46 18.8–.12 43.97N 9.03E 6–0 2.9L,2.5 **¶11163144**
CSEM VII 14 13 46 18.4–.15 44.02N 8.96E 15 2.9L,2.5
ROM VII 14 13 46 19.5–.19 44.08N 8.98E 10–0 2.5L,2.4
STR VII 14 13 46 19.7–.67 43.70N 8.87E 5–0 2.7L,2.4
ISCJB VII 14 13 46 19.7–.48 44.09N–.03 8.98E–.03 30–4 2.7L,2.4
NEIC VII 14 13 46 19.5 44.08N 8.98E 10 2.9L,2.6L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=91.0.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=2.2km az=171.0.
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=1.5km az=180.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=174.0.
NEIC Event type se. After ROM.
ISC VII 16 05 00 17.3–.36 44.00N–.02 7.37E–.03 14–2 86 0-3
ROM VII 16 05 00 17.8–.56 44.06N 7.39E 9–2 2.3,1.8L **¶11163161**
ISCJB VII 16 05 00 17.0–.30 44.02N–.02 7.34E–.03 10 2.3,1.8L
STR VII 16 05 00 17.6–.13 44.01N 7.38E 5–0 2.5L,1.8L
LDG VII 16 05 00 17.6–.05 44.01N 7.40E 4–0 2.5L,2.4
CSEM VII 16 05 00 17.3–.10 44.01N 7.36E 12 2.4L,2.4
NEIC VII 16 05 00 17.6 44.01N 7.40E 4 2.5L,2.5L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=9.8km s-min=2.1km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=155.3.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=70.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=66.0.
NEIC Event type se. After LDG.
ISC VII 17 06 09 37.9–.26 46.21N–.02 12.78E–.02 6–3 136 0-4
ISCJB VII 17 06 09 37.3–.27 46.21N–.02 12.77E–.02 8–3 **¶11342211**
VIE VII 17 06 09 37.1–.11 46.21N 12.79E 9–1 2.3L,1.8b
ROM VII 17 06 09 37.9–.29 46.28N 12.82E 7–2 2.6,1.9L
CSEM VII 17 06 09 37.4–.10 46.21N 12.77E 8 2.7L,1.9L
PRU VII 17 06 09 39.9 46.27N 12.75E 0 2.7L,1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=178.0.
VIE Error ellipse: s-maj=1.0km s-min=0.6km az=16.0. 14 km NW of Spilimbergo .
ROM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=179.0.
ISC VII 20 05 39 29.3–.61 44.28N–.04 11.28E–.04 17–4 48 0-3
ISCJB VII 20 05 39 29.3–.61 44.29N–.04 11.28E–.04 17–7 **¶13657055**
ROM VII 20 05 39 29.7–.17 44.25N 11.26E 14–3 2.4,2.0L
CSEM VII 20 05 39 29.4–.16 44.26N 11.28E 17–1 2.6L,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=178.2.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.3km az=14.0.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=3.0.
ISC VII 23 03 22 26.2–.20 44.90N–.01 11.14E–.01 15–1 439 0-7
NEIC VII 23 03 22 25.0 44.89N 11.20E 2 3.8L,3.4L **¶11153588**
ROM VII 23 03 22 25.0–.11 44.89N 11.19E 2–0 3.3,3.2L
CSEM VII 23 03 22 25.1–.08 44.90N 11.18E 5 3.5L,3.2L
ISCJB VII 23 03 22 25.1–.20 44.93N–.01 11.12E–.01 14–1 3.5L,3.2L
SZGRF VII 23 03 22 26.3 44.75N 11.23E 10 3.5b,3.2L
VIE VII 23 03 22 26.2–.30 44.87N 11.27E 11–1 3.4L,3.1b
LDG VII 23 03 22 27.7–.08 44.85N 11.19E 10–0 3.4L,3.1b
PRU VII 23 03 22 28.0 45.02N 11.43E 0 3.4L,3.1b
STR VII 23 03 22 28.8–.53 44.94N 10.82E 10–0 3.4L,3.1b
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Medolla, Mirandola and San Felice sul Panaro; [III] at Finale Emilia. Also felt at Bologna. After ROM.
ROM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=126.0.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=140.2.
SZGRF Northern Italy.
VIE Error ellipse: s-maj=2.1km s-min=1.5km az=172.0. 41 km N of Bologna .
LDG Event type ke.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VII 23 12 41 15.9–.27 44.22N–.01 7.05E–.03 16–3 102 0-4
CSEM VII 23 12 41 15.7–.06 44.23N 7.07E 16–0 2.5L **¶11163233**
NEIC VII 23 12 41 16.3 44.23N 7.08E 5 2.5L,2.4L
ISCJB VII 23 12 41 16.1–.28 44.21N–.02 7.08E–.03 21–4 2.5L,2.4L
STR VII 23 12 41 16.3–.27 44.23N 7.08E 5–0 2.4L,2.4L
LDG VII 23 12 41 16.2–.04 44.23N 7.07E 4–0 2.5L,2.4
ROM VII 23 12 41 17.0–.44 44.25N 7.15E 11–1 2.4,2.0L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=76.0.
NEIC Event type se. After STR.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=167.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=60.0.
ROM Event type ke. Error ellipse: s-maj=6.2km s-min=2.0km az=61.0.
ISC VIII 10 11 49 39.7–.27 44.19N–.01 7.09E–.02 10 128 0-4
ISCJB VIII 10 11 49 39.0–.27 44.19N–.01 7.05E–.02 10 **¶11169788**
CSEM VIII 10 11 49 39.2–.08 44.19N 7.16E 20 2.6L
ROM VIII 10 11 49 40.3–.42 44.24N 7.16E 10–0 2.4,2.1L
NEIC VIII 10 11 49 40.1 44.18N 7.15E 10 2.7L,2.5L
LDG VIII 10 11 49 40.1–.06 44.18N 7.15E 10–0 2.7L,2.7
STR VIII 10 11 49 40.2–.07 44.18N 7.13E 5–0 2.5L,2.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=149.8.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=70.0.
ROM Event type ke. Error ellipse: s-maj=5.1km s-min=1.6km az=43.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=50.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VIII 12 03 52 24.4–.29 46.78N–.02 12.20E–.02 6–7 96 0-4
ISCJB VIII 12 03 52 23.6–.31 46.77N–.02 12.19E–.02 9–6 **¶11308549**
ROM VIII 12 03 52 23.9–.57 46.73N 12.22E 5–0 2.5,1.9L
VIE VIII 12 03 52 23.7–.18 46.76N 12.22E 11–2 2.4L,1.7b
CSEM VIII 12 03 52 24.0–.09 46.77N 12.21E 5 2.8L,1.7b
PRU VIII 12 03 52 26.3 46.85N 12.21E 0 2.8L,1.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=12.0.
ROM Event type ke. Error ellipse: s-maj=12.5km s-min=2.1km az=2.0.
VIE Error ellipse: s-maj=1.7km s-min=0.8km az=8.0. 15 km W of Sillian .
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=15.0.
ISC VIII 14 03 32 53.3–.32 44.45N–.02 7.24E–.03 12–3 82 0-4
ISCJB VIII 14 03 32 52.5–.33 44.46N–.02 7.26E–.03 15–3 **¶11652923**
ROM VIII 14 03 32 52.4–.25 44.43N 7.21E 18–2 3.0,3.0L
CSEM VIII 14 03 32 53.1–.11 44.46N 7.24E 10 3.0L,3.0L
STR VIII 14 03 32 53.7–.13 44.43N 7.20E 5–0 2.8L,3.0L
NEIC VIII 14 03 32 53.4 44.43N 7.19E 10 2.8L,2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=169.2.
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=12.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=84.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type se. After STR.
ISC VIII 17 07 15 14.7–.61 44.52N–.02 7.24E–.05 12–6 46 0-1
ISCJB VIII 17 07 15 14.0–.65 44.52N–.02 7.25E–.05 14–6 **¶11652965**
CSEM VIII 17 07 15 14.7–.10 44.52N 7.23E 10 3.0L
ROM VIII 17 07 15 14.8–.15 44.54N 7.23E 9–3 2.4,2.2L
STR VIII 17 07 15 15.5–.36 44.49N 7.20E 5–0 2.3L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=3.7km az=172.5.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=89.0.
ROM Event type ke. Error ellipse: s-maj=5.1km s-min=2.3km az=40.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VIII 19 16 55 25.9–.25 44.85N–.01 11.23E–.02 12–1 276 0-7
ROM VIII 19 16 55 24.8–.12 44.87N 11.19E 1–0 2.9L **¶11783360**
NEIC VIII 19 16 55 24.6–.86 44.87N 11.25E 10 3.0L
ISCJB VIII 19 16 55 25.3–.24 44.87N–.01 11.23E–.02 11–2 3.0L
CSEM VIII 19 16 55 25.4–.09 44.85N 11.23E 10 3.8L
SZGRF VIII 19 16 55 25.0 44.67N 11.15E 10 3.2b
VIE VIII 19 16 55 26.0–.28 44.87N 11.35E 8–2 3.2L,2.9b
STR VIII 19 16 55 28.5–.44 44.47N 10.99E 10–0 3.0L,2.9b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=8.8km az=152.0.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=33.6.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.8km az=124.0.
SZGRF Northern Italy.
VIE Error ellipse: s-maj=2.5km s-min=1.5km az=154.0. 41 km N of Bologna .
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VIII 20 16 42 13.8–.26 44.82N–.01 7.24E–.03 7–2 189 0-7
CSEM VIII 20 16 42 13.7–.08 44.82N 7.25E 5 3.2L **¶11227222**
ROM VIII 20 16 42 13.6–.15 44.82N 7.20E 11–1 2.7,2.6L
ISCJB VIII 20 16 42 13.0–.26 44.82N–.01 7.22E–.03 7–2 2.7,2.6L
ZUR VIII 20 16 42 14.3 44.82N 7.19E 3–1 1.8L,2.6L
NEIC VIII 20 16 42 14.6 44.78N 7.30E 2 3.0L,2.8L
STR VIII 20 16 42 14.8–.24 44.76N 7.31E 5–0 2.8L,2.8L
LDG VIII 20 16 42 14.6–.10 44.78N 7.30E 2–0 3.0L,3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=82.0.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=60.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=173.3.
NEIC Event type se. After LDG.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=78.0.
ISC VIII 23 15 26 32.9–.76 44.06N–.02 7.68E–.07 13–6 52 0-2
ISCJB VIII 23 15 26 32.2–.69 44.09N–.02 7.67E–.05 10 **¶11227253**
CSEM VIII 23 15 26 32.8–.16 44.07N 7.69E 12 2.4L
LDG VIII 23 15 26 33.7–.10 44.06N 7.67E 4–0 2.5L,2.4
NEIC VIII 23 15 26 34.5 44.03N 7.64E 2 2.5L,2.4L
STR VIII 23 15 26 34.5–.48 44.03N 7.64E 2–0 2.4L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=178.8.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=1.8km az=89.0.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=85.0.
NEIC Event type se. After STR.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VIII 23 21 36 07.5–.31 44.12N–.02 9.98E–.02 4–2 288 0-10
ROM VIII 23 21 36 06.4–.17 44.15N 10.03E 3–0 3.0L,2.8 **¶11227260**
NEIC VIII 23 21 36 07.0 44.21N 10.08E 7 3.4L,3.2L
CSEM VIII 23 21 36 07.3–.12 44.10N 9.98E 2 3.2L,3.2L
ISCJB VIII 23 21 36 07.1–.31 44.13N–.02 10.00E–.02 9–2 3.2L,3.2L
LDG VIII 23 21 36 09.3–.09 44.09N 10.18E 10–0 3.2L,2.8
STR VIII 23 21 36 09.1–.70 43.88N 9.79E 10–0 3.4L,2.8
VIE VIII 23 21 36 09.8–.47 44.17N 10.23E 9–4 3.1L,2.7b
PRU VIII 23 21 36 12.0 44.33N 10.39E 0 3.1L,2.7b
ISC Event type fe.
ROM Event type ke. Error ellipse: s-maj=3.1km s-min=1.6km az=25.0.
NEIC Event type fe. Felt at Bagnone and Fivizzano. After ROM.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.1km az=4.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=2.3km az=177.4.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=14.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
VIE Error ellipse: s-maj=6.9km s-min=3.2km az=1.0. 93 km WNW of Florence .
ISC VIII 25 03 10 41.5–.27 45.82N–.01 9.99E–.02 6–2 266 0-9
ISCJB VIII 25 03 10 40.2–.27 45.83N–.01 9.98E–.02 4–2 **¶11227278**
ZUR VIII 25 03 10 40.6 45.80N 9.99E 3–3 2.6L
ROM VIII 25 03 10 40.6–.31 45.83N 10.00E 6–3 2.8,2.5L
NEIC VIII 25 03 10 40.0 45.81N 9.99E 8 2.7L,2.6L
CSEM VIII 25 03 10 41.2–.09 45.82N 10.01E 5 2.9L,2.6L
LDG VIII 25 03 10 42.7–.13 45.86N 10.06E 2–0 2.7L,2.6L
VIE VIII 25 03 10 42.2–.60 45.89N 10.09E 11–2 2.7L,2.2b
STR VIII 25 03 10 46.3–1.0 45.82N 9.59E 5–0 2.6L,2.2b
PRU VIII 25 03 10 46.9 45.83N 10.31E 0 2.6L,2.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=164.4.
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=154.0.
NEIC Event type se. After ROM.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=160.0.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.5km az=102.0.
VIE Error ellipse: s-maj=3.5km s-min=1.8km az=10.0. 36 km SSE of Sondrio .
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VIII 25 16 26 22.7–.83 45.54N–.03 7.28E–.06 10 36 0-2
LDG VIII 25 16 26 16.5–.19 45.73N 7.56E 2–0 2.5,2.1L **¶11227286**
ISCJB VIII 25 16 26 22.4–.77 45.52N–.03 7.25E–.05 10 2.5,2.1L
ROM VIII 25 16 26 22.0–.20 45.50N 7.19E 5–0 2.4,1.1L
CSEM VIII 25 16 26 22.7–.43 45.50N 7.19E 5 1.5L,1.1L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=1.7km az=90.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=4.7km az=164.0.
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=1.6km az=82.0.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=8.1km az=49.0.
ISC VIII 26 03 50 43.8–.25 46.39N–.01 12.54E–.02 9–4 160 0-2
ISCJB VIII 26 03 50 42.7–.28 46.39N–.01 12.54E–.02 14–3 **¶12064908**
ROM VIII 26 03 50 43.6–.44 46.43N 12.57E 10–5 2.5,1.9L
VIE VIII 26 03 50 43.1–.17 46.40N 12.55E 11–3 2.4L,1.7b
CSEM VIII 26 03 50 43.3–.08 46.38N 12.56E 10 2.8L,1.7b
ZUR VIII 26 03 50 45.4 46.42N 12.43E 8–4 2.0L,1.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=2.3.
ROM Event type ke. Error ellipse: s-maj=7.1km s-min=2.4km az=4.0.
VIE Error ellipse: s-maj=1.6km s-min=0.9km az=12.0. 15 km E of Perarolo .
CSEM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=177.0.
ISC VIII 26 13 54 54.9–.57 46.36N–.03 10.83E–.04 12–8 47 0-1
ROM VIII 26 13 54 53.9–.22 46.36N 10.82E 6–3 2.0,1.9L **¶12064911**
ISCJB VIII 26 13 54 54.5–.54 46.37N–.03 10.83E–.03 9–8 2.0,1.9L
VIE VIII 26 13 54 54.9–.25 46.40N 10.83E 11–4 2.1L,1.4b
CSEM VIII 26 13 54 54.7–.07 46.37N 10.83E 12 2.5L,1.4b
ZUR VIII 26 13 54 55.3 46.35N 10.76E 12–4 1.9L,1.4b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=166.2.
VIE Error ellipse: s-maj=2.4km s-min=1.2km az=172.0. 11 km SSW of St.Gertraud .
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=172.0.
ISC VIII 29 15 24 03.3–.32 44.56N–.02 7.27E–.03 15–3 106 0-2
ISCJB VIII 29 15 24 02.5–.32 44.57N–.02 7.26E–.03 15–2 **¶11232373**
ROM VIII 29 15 24 03.2–.21 44.57N 7.22E 13–4 2.3,2.1L
STR VIII 29 15 24 03.4–.36 44.56N 7.31E 5–0 2.3L,2.1L
CSEM VIII 29 15 24 03.1–.08 44.56N 7.27E 15 2.6L,2.1L
LDG VIII 29 15 24 03.1–.08 44.57N 7.33E 2–0 2.6,2.5L

NEIC VIII 29 15 24 03.1 44.57N 7.33E 2 2.5L,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=153.4.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=101.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=68.0.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=64.0.
NEIC Event type se. After LDG.
ISC VIII 31 04 33 20.3–.18 46.41N–.01 12.88E–.01 10–2 265 0-7
ISCJB VIII 31 04 33 19.6–.19 46.40N–.01 12.88E–.02 14–1 ¶11232393
VIE VIII 31 04 33 19.7–.12 46.40N 12.91E 12–1 2.7L,2.1b
NEIC VIII 31 04 33 20.1–.38 46.33N 12.92E 10 2.6L,2.6L
ROM VIII 31 04 33 20.2–.13 46.42N 12.95E 7–2 2.7,2.2L
CSEM VIII 31 04 33 20.1–.08 46.39N 12.89E 10 2.8L,2.2L
LDG VIII 31 04 33 21.1–.11 46.36N 12.97E 10–0 2.6L,2.2L
PRU VIII 31 04 33 22.2 46.49N 12.90E 0 2.6L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=7.7.
VIE Error ellipse: s-maj=1.3km s-min=0.7km az=16.0. 9 km W of Tolmezzo .
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.0km az=189.0.
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=1.2km az=42.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=13.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=6.0.
ISC IX 01 08 38 19.0–.75 46.74N–.03 10.47E–.04 14–11 54 0-1
ISCJB IX 01 08 38 18.6–.39 46.75N–.02 10.48E–.04 10 ¶12065047
ZUR IX 01 08 38 18.8 46.74N 10.46E 11–1 2.2L
VIE IX 01 08 38 18.8–.21 46.75N 10.47E 8–4 2.2L,1.6b
CSEM IX 01 08 38 18.8–.07 46.75N 10.48E 10 2.5L,1.6b
ROM IX 01 08 38 19.3–.35 46.72N 10.43E 11–1 2.4,1.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.4km az=39.7.
VIE Error ellipse: s-maj=1.1km s-min=0.7km az=152.0. 10 km SSW of Reschenpass .
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=130.0.
ROM Event type ke. Error ellipse: s-maj=3.6km s-min=1.9km az=48.0.
ISC IX 04 22 02 23.1–.71 46.00N–.05 12.35E–.04 10 19 0-1
¶15250316
ISC IX 04 22 50 16.0–.23 44.36N–.01 11.29E–.03 10 141 0-6
ISCJB IX 04 22 50 15.2–.24 44.36N–.02 11.30E–.03 10 ¶11255532
CSEM IX 04 22 50 16.5–.12 44.28N 11.30E 22–1 2.7L
ROM IX 04 22 50 17.6–.18 44.24N 11.32E 10–1 2.4,2.3L
LDG IX 04 22 50 17.4–.11 44.25N 11.24E 10–0 2.6L,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=28.4.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=143.0.
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=139.0.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.6km az=33.0.
ISC IX 05 03 54 35.2–.39 44.51N–.03 10.20E–.05 29–4 75 0-4
ISCJB IX 05 03 54 34.7–.38 44.51N–.03 10.19E–.04 33–4 ¶11255535
CSEM IX 05 03 54 34.3–.17 44.53N 10.26E 30 2.2L
NEIC IX 05 03 54 34.4 44.63N 10.43E 25 2.5L
LDG IX 05 03 54 34.4–.29 44.63N 10.43E 25–0 2.5L
ROM IX 05 03 54 35.5–.30 44.48N 10.21E 21–6 2.0,1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=42.6.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.5km az=44.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=6.1km s-min=3.2km az=88.0.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=51.0.
ROM IX 08 20 49 28.8–.31 44.30N 11.32E 29–3 1.8
CSEM IX 08 20 49 29.3–.24 44.31N 11.33E 24–1 1.8 ¶13897593
ROM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=3.8km az=118.0.
ROM IX 11 06 33 31.7–.28 45.86N 10.58E 8–2 1.9,1.9L
CSEM IX 11 06 33 31.9–.13 45.87N 10.58E 15 2.6L,1.9L ¶12065279
ZUR IX 11 06 33 32.3 45.86N 10.53E 9–0 1.7L,1.9L
VIE IX 11 06 33 35.5–.92 46.05N 10.48E 8–0 2.1L,1.3b
ROM Event type ke. Error ellipse: s-maj=6.0km s-min=1.8km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.0km az=85.0.
VIE Error ellipse: s-maj=6.7km s-min=2.6km az=157.0. 25 km WSW of Pinzolo .
ISC IX 11 09 08 04.2–.99 46.82N–.03 11.21E–.03 16–23 64 0-2
ISCJB IX 11 09 08 03.6–.34 46.81N–.02 11.22E–.02 10 ¶12065280
CSEM IX 11 09 08 03.9–.20 46.82N 11.20E 17–5 2.6L
ZUR IX 11 09 08 04.1 46.83N 11.19E 10–0 1.9L
VIE IX 11 09 08 04.2–.26 46.83N 11.21E 7–4 2.6L,1.2b
ROM IX 11 09 08 05.3–.24 46.79N 11.15E 10–0 2.5,1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=11.6.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=175.0.
VIE Error ellipse: s-maj=1.3km s-min=0.9km az=119.0. 5 km NNW of St.Martin im Passeiertal .
ROM Event type ke. Error ellipse: s-maj=4.5km s-min=1.8km az=178.0.
ISC IX 11 23 11 28.5–.42 44.55N–.02 10.07E–.04 52–6 99 0-4
VIE IX 11 23 11 27.7–.84 44.67N 10.36E 10–0 2.8L,1.9b ¶11302709
CSEM IX 11 23 11 27.8–.18 44.52N 10.12E 50–4 2.8L,1.9b
ISCJB IX 11 23 11 27.6–.43 44.55N–.03 10.06E–.04 58–6 2.8L,1.9b
LDG IX 11 23 11 28.2–.20 44.56N 10.04E 10–0 2.8L,1.9b
ROM IX 11 23 11 28.3–.22 44.54N 10.08E 49–3 2.2,2.2L
NEIC IX 11 23 11 28.2 44.56N 10.04E 10 2.8L,2.2L
ISC Event type ke.
VIE Error ellipse: s-maj=6.8km s-min=6.0km az=7.0. 80 km WNW of Bologna .
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=29.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=4.1km az=28.5.
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=70.0.
ROM Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=69.0.
NEIC Event type se. After LDG.
ISC IX 13 00 24 39.5–.34 45.99N–.01 7.49E–.03 10 110 0-4
ISCJB IX 13 00 24 38.8–.35 45.98N–.02 7.50E–.03 10 ¶11302721
ROM IX 13 00 24 38.7–.20 46.01N 7.51E 11–2 2.2,1.8L
CSEM IX 13 00 24 39.4–.16 45.97N 7.50E 2 2.3L,1.8L
ZUR IX 13 00 24 39.8 45.98N 7.50E 1–2 1.5L,1.8L
LDG IX 13 00 24 39.5–.06 45.98N 7.52E 2–0 2.5,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=6.3.
ROM Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=93.0.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=105.0.
ISC IX 14 22 31 20.6–1.1 46.77N–.03 11.13E–.03 15–25 54 0-1
ISCJB IX 14 22 31 20.0–.38 46.77N–.02 11.13E–.03 10 ¶12065349
ZUR IX 14 22 31 20.6 46.80N 11.10E 9–0 1.7L
CSEM IX 14 22 31 20.5–.05 46.77N 11.12E 10 2.6L
VIE IX 14 22 31 20.3–.28 46.79N 11.12E 13–3 2.3L,1.3b
ROM IX 14 22 31 21.2–.18 46.72N 11.07E 32–3 2.1,1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=158.7.
CSEM Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=156.0.
VIE Error ellipse: s-maj=1.3km s-min=1.0km az=164.0. 8 km W of St.Martin im Passeiertal .
ROM Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=40.0.
ISC IX 16 11 44 06.0–.34 44.53N–.02 7.11E–.05 7–5 78 0-2
STR IX 16 11 44 05.8–.12 44.54N 7.11E 5–0 2.1L ¶11302762
ISCJB IX 16 11 44 05.4–.33 44.53N–.02 7.10E–.04 4–5 2.1L
ROM IX 16 11 44 05.4–.29 44.55N 7.12E 7–3 2.1,1.7L
NEIC IX 16 11 44 05.9 44.55N 7.11E 2 2.5L,1.7L
CSEM IX 16 11 44 05.6–.05 44.54N 7.10E 10 2.4L,1.7L
LDG IX 16 11 44 05.9–.05 44.55N 7.11E 2–0 2.5L,2.1
ISC Event type ke.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=5.7km s-min=2.4km az=159.8.
ROM Event type ke. Error ellipse: s-maj=4.9km s-min=2.3km az=88.0.
NEIC Event type se. After LDG.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=75.0.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=62.0.
ISC IX 20 15 26 05.7–.97 45.81N–.04 13.10E–.08 10 11 0-2
¶15250497
ISC IX 24 06 06 56.8–.29 44.38N–.02 7.33E–.03 16–2 123 0-2
NEIC IX 24 06 06 56.6 44.37N 7.30E 15 2.6L,2.4L ¶11327275
ISCJB IX 24 06 06 57.0–.28 44.38N–.02 7.31E–.03 16–4 2.6L,2.4L
LDG IX 24 06 06 56.9–.08 44.40N 7.34E 10–0 2.6L,2.5
ROM IX 24 06 06 56.6–.32 44.37N 7.30E 15–5 2.2,1.8L
CSEM IX 24 06 06 56.3–.07 44.39N 7.31E 20 2.6L,1.8L
STR IX 24 06 06 57.6–.18 44.37N 7.31E 5–0 2.4L,1.8L
ISC Event type ke.
NEIC Event type se. After ROM.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=160.3.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=67.0.
ROM Event type ke. Error ellipse: s-maj=4.0km s-min=2.8km az=40.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=73.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC X 03 19 01 21.6–.22 46.64N–.02 10.01E–.02 10 158 0-5
ISCJB X 03 19 01 20.7–.23 46.64N–.02 10.03E–.02 10 ¶11330097
ROM X 03 19 01 21.8–.19 46.64N 10.10E 8–2 2.3,2.1L
CSEM X 03 19 01 21.8–.10 46.66N 10.10E 20 2.6L,2.1L
ZUR X 03 19 01 22.5 46.64N 10.09E 6–1 2.2L,2.1L
LDG X 03 19 01 22.9–.07 46.63N 10.09E 10–0 2.3L,2.1L
VIE X 03 19 01 22.2–.12 46.65N 10.11E 7–0 2.6L,1.9b
PRU X 03 19 01 25.2 46.75N 10.19E 0 2.6L,1.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=172.4.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=43.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=166.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=79.0.
VIE Error ellipse: s-maj=1.1km s-min=0.7km az=176.0. 28 km NW of Bormio .
ISC X 04 22 22 46.2–.59 45.14N–.03 12.44E–.03 17–6 54 0-4
ISCJB X 04 22 22 45.7–.60 45.16N–.03 12.46E–.04 12–7 ¶13829464
CSEM X 04 22 22 45.9–.34 45.19N 12.48E 5 2.9
VIE X 04 22 22 47.3–.85 45.28N 12.49E 7–5 2.5L,2.0b
ROM X 04 22 22 47.5–.27 45.22N 12.52E 10–0 2.9,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=156.7.
CSEM Event type ke. Error ellipse: s-maj=7.0km s-min=3.5km az=28.0.
VIE Error ellipse: s-maj=6.8km s-min=2.2km az=12.0. 22 km SSE of Venice .
ROM Event type ke. Error ellipse: s-maj=3.2km s-min=1.5km az=9.0.
ISC X 08 20 29 07.6–.32 45.81N–.02 12.49E–.02 11–3 125 0-5
ISCJB X 08 20 29 06.9–.32 45.82N–.02 12.48E–.02 9–3 ¶13829574
CSEM X 08 20 29 06.8–.13 45.79N 12.48E 8 3.1L
ROM X 08 20 29 06.8–.33 45.80N 12.52E 5–0 2.8,2.3L
VIE X 08 20 29 07.3–.12 45.85N 12.49E 10–0 2.7L,2.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=177.4.
CSEM Event type ke. Error ellipse: s-maj=2.7km s-min=1.7km az=14.0.
ROM Event type ke. Error ellipse: s-maj=5.3km s-min=1.5km az=157.0.
VIE Error ellipse: s-maj=1.0km s-min=0.4km az=14.0. 39 km SSE of Belluno .
ISC X 09 17 03 46.3–.24 45.77N–.01 12.04E–.01 8–1 371 0-7
VIE X 09 17 03 44.6–.23 45.72N 12.05E 8–1 3.5L,2.9b ¶11345819
ISCJB X 09 17 03 45.1–.25 45.76N–.01 12.01E–.01 9–1 3.5L,2.9b
LDG X 09 17 03 46.8–.09 45.78N 12.19E 2–0 3.2L,2.9b
CSEM X 09 17 03 46.3–.12 45.78N 12.05E 8 3.4L,2.9b
GEN X 09 17 03 46.7 45.75N 12.04E 2 2.9L,2.9b
ROM X 09 17 03 46.7–.13 45.85N 12.03E 1–0 2.9,2.8L
NEIC X 09 17 03 46.7 45.85N 12.03E 1 3.3L,3.2L
BGR X 09 17 03 49.9–.54 45.88N 12.11E 10 3.1L,3.2L
PRU X 09 17 03 51.0 45.86N 12.29E 32 3.1L,3.2L
ISC Event type ke.
VIE Error ellipse: s-maj=1.7km s-min=0.8km az=11.0. 38 km NW of Venice .
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=176.9.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=157.0.
CSEM Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=162.0.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=173.0.
NEIC Event type se. After ROM.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=5.6km az=7.0.
ISC X 10 16 18 24.2–.24 44.13N–.02 10.29E–.02 8–1 297 0-7
GEN X 10 16 18 23.9 44.20N 10.35E 6 2.7L ¶11349002
CSEM X 10 16 18 23.7–.11 44.14N 10.29E 5 3.3L
ISCJB X 10 16 18 23.5–.24 44.13N–.02 10.27E–.02 9–1 3.3L
ROM X 10 16 18 23.8–.13 44.17N 10.34E 6–1 2.8,2.8L
NEIC X 10 16 18 23.8 44.17N 10.34E 6 3.1L,2.8L
LDG X 10 16 18 24.6–.11 44.10N 10.41E 2–0 3.1L,2.8
VIE X 10 16 18 29.1–1.4 44.24N 10.44E 11–41 3.0L,2.6b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=1.9km az=10.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=10.5.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=48.0.
NEIC Event type se. After ROM.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=3.0.
VIE Error ellipse: s-maj=43.3km s-min=10.7km az=4.0. 77 km WSW of Bologna .
ISC X 10 22 43 48.3–.21 46.76N–.01 10.78E–.01 2–2 396 0-8
GEN X 10 22 43 46.9 47.07N 10.80E 11 2.6L ¶11346019
VIE X 10 22 43 47.8–.26 46.75N 10.74E 12–4 3.1L,1.9b
ISCJB X 10 22 43 47.1–.20 46.75N–.01 10.79E–.01 5–2 3.1L,1.9b
CSEM X 10 22 43 48.2–.08 46.75N 10.78E 2 3.1L,1.9b
ROM X 10 22 43 48.8–.15 46.70N 10.71E 11–1 2.8L,2.7
NEIC X 10 22 43 48.8 46.70N 10.71E 11 3.2L,2.8L
ZUR X 10 22 43 48.4 46.72N 10.71E 14–2 2.8L,2.8L
LDG X 10 22 43 49.2–.11 46.84N 10.97E 5–0 2.8L,2.8L
PRU X 10 22 43 50.3 46.87N 10.74E 6 2.8L,2.8L
ISC Event type fe.
VIE Event type fe. Error ellipse: s-maj=1.0km s-min=0.9km az=179.0. 14 km NNW of Silandro .
felt 3 ems98 at Obergurgl / TYROL.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.6km az=9.7.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=162.0.
ROM Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=31.0.
NEIC Event type se. After ROM.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=15.0.
ROM X 11 18 32 56.1–.20 44.42N 7.29E 14–4 2.0L,1.9
CSEM X 11 18 32 55.9–.06 44.43N 7.29E 16–0 2.2L,1.9 ¶11349063
GEN X 11 18 32 56.6 44.41N 7.27E 14 1.5L,1.9
LDG X 11 18 32 56.5–.04 44.43N 7.30E 3–0 2.2,2.1L
ROM Event type ke. Error ellipse: s-maj=3.2km s-min=1.6km az=36.0.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=65.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=68.0.
ROM X 13 08 13 35.3–.19 44.42N 11.06E 36–1 1.6L,1.5
¶13898255
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=32.0.
ISC X 13 12 15 46.2–.29 45.87N–.02 10.53E–.02 7–3 148 0-5
CSEM X 13 12 15 45.8–.14 45.87N 10.54E 5 2.9L ¶11349183
ISCJB X 13 12 15 45.4–.27 45.89N–.01 10.55E–.02 10–3 2.9L
ZUR X 13 12 15 45.7 45.85N 10.50E 8–3 2.4L
VIE X 13 12 15 45.7–.68 45.89N 10.56E 10–0 2.7L,2.1b
ROM X 13 12 15 45.3–.16 45.85N 10.55E 8–1 2.5,2.4L
NEIC X 13 12 15 45.3 45.85N 10.55E 8 2.5L,2.4L
LDG X 13 12 15 47.7–.22 45.82N 10.72E 10–0 2.5L,2.4L
GEN X 13 12 15 48.4 45.92N 10.34E 15 2.3L,2.4L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.5km az=113.0.
ISCJB Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=154.7.
VIE Error ellipse: s-maj=4.3km s-min=2.2km az=4.0. 34 km SSW of Pinzolo .
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=69.0.
NEIC Event type se. After ROM.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=4.3km az=151.0.
ISC X 16 04 19 05.9–.36 46.28N–.02 12.39E–.03 5–4 56 0-2
ROM X 16 04 19 03.6–.83 46.27N 12.33E 10–0 2.2,1.8L ¶13829830
ISCJB X 16 04 19 05.3–.37 46.29N–.02 12.38E–.02 6–4 2.2,1.8L
VIE X 16 04 19 05.8–1.1 46.30N 12.40E 6–8 2.1L,1.6b
CSEM X 16 04 19 06.0–.28 46.31N 12.40E 10 2.5L,1.6b

ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=8.1km s-min=5.5km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=11.2.
VIE Error ellipse: s-maj=7.2km s-min=3.7km az=156.0. 7 km ESE of Ospitale .
CSEM Event type ke. Error ellipse: s-maj=6.9km s-min=3.1km az=22.0.
ISC X 16 05 00 58.3–.33 46.28N–.02 12.39E–.02 4–4 77 0-2
ROM X 16 05 00 56.0–.23 46.07N 12.43E 9–0 2.1,1.8L **¶13829831**
ISCJB X 16 05 00 57.6–.34 46.30N–.02 12.39E–.02 6–4 2.1,1.8L
CSEM X 16 05 00 58.2–.25 46.30N 12.37E 10 2.6L,1.8L
VIE X 16 05 00 58.7–.42 46.35N 12.37E 10–0 2.1L,1.6b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=4.2km s-min=0.8km az=179.0.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=17.5.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=2.5km az=18.0.
VIE Error ellipse: s-maj=3.6km s-min=2.0km az=7.0. 4 km ENE of Ospitale .
ISC X 16 07 57 48.2–.24 46.30N–.02 12.41E–.02 5–2 134 0-5
ROM X 16 07 57 46.8–.21 46.33N 12.45E 4–0 2.5,2.5L **¶11357446**
ISCJB X 16 07 57 47.4–.24 46.31N–.02 12.40E–.02 5–2 2.5,2.5L
CSEM X 16 07 57 47.2–.16 46.29N 12.41E 2 3.3L,2.5L
VIE X 16 07 57 47.5–.36 46.31N 12.40E 8–7 3.0L,2.3b
PRU X 16 07 57 49.5 46.31N 12.64E 0 3.0L,2.3b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=4.2km s-min=1.9km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=179.0.
VIE Error ellipse: s-maj=3.5km s-min=1.5km az=14.0. 7 km ESE of Ospitale .
ISC X 18 18 35 30.2–.59 44.07N–.04 11.84E–.05 12–7 54 0-2
GEN X 18 18 35 26.2 44.12N 12.06E 4 1.9L **¶13898373**
ISCJB X 18 18 35 29.5–.53 44.08N–.03 11.85E–.03 10 1.9L
CSEM X 18 18 35 29.4–.22 44.06N 11.85E 20 2.7L
ROM X 18 18 35 29.4–.23 44.06N 11.85E 6–1 2.6,2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.9km az=31.9.
CSEM Event type ke. Error ellipse: s-maj=5.1km s-min=2.3km az=37.0.
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.2km az=42.0.
ISC X 19 03 50 01.6–.32 46.28N–.02 12.39E–.02 1–2 127 0-5
ISCJB X 19 03 50 01.4–.26 46.30N–.02 12.39E–.02 10 **¶13829912**
CSEM X 19 03 50 01.1–.15 46.29N 12.43E 10 2.6L
ROM X 19 03 50 01.0–.27 46.31N 12.46E 5–3 2.4,1.8L
VIE X 19 03 50 01.1–.26 46.30N 12.41E 8–0 2.5L,1.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=15.9.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=17.0.
ROM Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=11.0.
VIE Error ellipse: s-maj=2.5km s-min=1.3km az=10.0. 8 km ESE of Ospitale .
ISC X 23 18 04 48.3–.21 45.818N–.01 7.46E–.02 14–1 338 0-6
ISCJB X 23 18 04 47.5–.22 45.836N–.01 7.43E–.02 12–2 **¶11370030**
ZUR X 23 18 04 48.6 45.82N 7.54E 2–2 2.3L
CSEM X 23 18 04 48.3–.11 45.82N 7.48E 10 3.0L
GEN X 23 18 04 48.5 45.84N 7.51E 3 2.4L
ROM X 23 18 04 48.1–.13 45.84N 7.51E 15–5 2.6L,2.4
LDG X 23 18 04 48.7–.05 45.82N 7.52E 2–0 3.0L,3.0
NEIC X 23 18 04 49.1 45.80N 7.46E 5 3.0L,2.9L
PRU X 23 18 04 50.6 45.91N 7.42E 12 3.0L,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=0.2.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=95.0.
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=107.0.
LDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=107.0.
NEIC Event type se. After STR.
ISC X 24 03 06 39.8–.17 44.377N–.01 7.32E–.01 15–1 3.9b 970 0-83
IDC X 24 03 06 38.3–.83 44.42N 7.44E 0 4.5L,4.0 **¶11362350**
MOS X 24 03 06 38.0–.84 44.41N 7.41E 13 4.1b,4.0
LDG X 24 03 06 39.6–.06 44.41N 7.48E 5–0 4.5L,3.8
GEN X 24 03 06 39.8 44.35N 7.26E 12 4.1L,3.8
ROM X 24 03 06 39.1–.12 44.36N 7.28E 15–1 3.9L,3.8
CSEM X 24 03 06 39.4–.06 44.39N 7.35E 10 4.5L,4.0b
NEIC X 24 03 06 40.2 44.34N 7.36E 5 4.5L,4.2L
PRU X 24 03 06 41.7 44.55N 7.50E 0 3.9,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=10.0km az=137.0.
MOS Error ellipse: s-maj=4.7km s-min=2.9km az=91.0.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=174.0.
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=1.2km az=58.0.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=151.0.
NEIC Event type se. After STR.
ISC X 24 03 12 25.9–.28 44.35N–.02 7.29E–.03 16–2 138 0-4
ROM X 24 03 12 25.6–.19 44.34N 7.26E 14–3 2.1,2.0L **¶11380308**
CSEM X 24 03 12 25.8–.09 44.36N 7.30E 15 2.6L,2.0L
LDG X 24 03 12 25.8–.12 44.38N 7.35E 5–0 2.6L,2.4
ISCJB X 24 03 12 25.5–.28 44.35N–.02 7.26E–.02 15–2 2.6L,2.4
GEN X 24 03 12 26.4 44.33N 7.25E 10 2.0L,2.4
NEIC X 24 03 12 26.0 44.36N 7.28E 5 2.6L,2.4L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=4.0km s-min=1.4km az=62.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=56.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.3km az=66.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=141.4.
NEIC Event type se. After STR.
ISC X 24 03 47 30.1–.18 44.36N–.01 7.27E–.02 12–1 394 0-9
ISCJB X 24 03 47 29.9–.18 44.34N–.01 7.24E–.02 21–2 **¶11370044**
ROM X 24 03 47 29.8–.13 44.35N 7.27E 11–1 2.9L,2.7
CSEM X 24 03 47 30.0–.08 44.38N 7.30E 10 3.3L,2.7
GEN X 24 03 47 30.2 44.36N 7.29E 11 2.9L,2.7
LDG X 24 03 47 30.3–.13 44.37N 7.42E 5–0 3.2L,3.2
NEIC X 24 03 47 31.0 44.33N 7.26E 5 3.2L,2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=171.0.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=57.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=79.0.
NEIC Event type se. After STR.
GEN X 24 04 06 42.3 44.34N 7.27E 11 0.6L
CSEM X 24 04 06 42.3 44.34N 7.27E 11 0.6L **¶15076259**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GEN.
ISC X 24 04 22 34.7–.23 44.36N–.01 7.30E–.02 16–2 164 0-4
ROM X 24 04 22 34.6–.16 44.35N 7.27E 11–1 2.5L,2.4 **¶11380313**
CSEM X 24 04 22 34.6–.08 44.37N 7.30E 15 3.1L,2.4
LDG X 24 04 22 34.8–.15 44.38N 7.35E 5–0 3.1L,3.1
ISCJB X 24 04 22 34.9–.23 44.35N–.01 7.28E–.02 18–3 3.1L,3.1
GEN X 24 04 22 35.1 44.35N 7.27E 13 2.3L,3.1
NEIC X 24 04 22 35.1 44.35N 7.27E 5 3.1L,2.7L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.2km s-min=1.3km az=53.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=64.0.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=1.6km az=65.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=149.7.
NEIC Event type se. After STR.
ISC X 24 04 44 04.3–1.3 45.63N–.09 11.14E–.08 10 24 0-2
ROM X 24 04 44 02.2–.19 45.58N 11.20E 9–0 2.0,1.9L **¶13830064**
CSEM X 24 04 44 03.6–.53 45.60N 11.18E 2 2.5L,1.9L
ISCJB X 24 04 44 04.1–.89 45.68N–.07 11.14E–.08 10 2.5L,1.9L
VIE X 24 04 44 04.7–.73 45.68N 11.20E 3–0 2.0L,1.9b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=154.0.
CSEM Event type ke. Error ellipse: s-maj=13.3km s-min=4.3km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=12.9km s-min=3.9km az=144.2.
VIE Error ellipse: s-maj=4.9km s-min=3.0km az=50.0. 43 km S of Trento .
ISC X 24 07 06 10.5–.24 44.37N–.01 7.29E–.02 17–2 144 0-2
CSEM X 24 07 06 10.5–.10 44.37N 7.29E 15 2.6L **¶11380318**
LDG X 24 07 06 10.6–.11 44.37N 7.34E 5–0 2.5L,2.3
ISCJB X 24 07 06 10.8–.25 44.35N–.01 7.28E–.03 17–4 2.5L,2.3
ROM X 24 07 06 10.3–.24 44.35N 7.25E 13–2 2.3L,2.2
NEIC X 24 07 06 10.6 44.37N 7.34E 5 2.5L,2.3L
GEN X 24 07 06 10.9 44.34N 7.25E 12 2.0L,2.3L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=67.0.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=1.3km az=71.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=156.8.
ROM Event type ke. Error ellipse: s-maj=6.2km s-min=1.6km az=66.0.
NEIC Event type se. After LDG.
GEN X 24 19 29 16.9 44.34N 7.25E 12 1.0L
CSEM X 24 19 29 16.3–.12 44.37N 7.27E 12 1.6L **¶11380325**
LDG X 24 19 29 16.0–.17 44.40N 7.43E 5–0 1.9,1.8L
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=61.0.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=72.0.
ISC X 25 18 01 18.7–.46 46.64N–.02 10.41E–.04 10–6 59 0-1
ISCJB X 25 18 01 18.0–.47 46.64N–.02 10.42E–.04 10–7 **¶12071092**
CSEM X 25 18 01 18.3–.07 46.64N 10.42E 10 2.8L
ZUR X 25 18 01 18.4 46.63N 10.41E 9–0 2.3L
ROM X 25 18 01 18.8–.15 46.61N 10.36E 11–0 2.0,2.0L
VIE X 25 18 01 18.3–.16 46.64N 10.42E 9–2 2.2L,1.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=22.4.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=141.0.
ROM Event type ke. Error ellipse: s-maj=2.5km s-min=1.2km az=93.0.
VIE Error ellipse: s-maj=1.5km s-min=0.9km az=173.0. 11 km WSW of Glorenza .
ISC X 27 11 51 03.5–.27 44.36N–.01 7.29E–.03 15–2 119 0-2
CSEM X 27 11 51 03.4–.08 44.36N 7.28E 12 2.5L **¶11380352**
ISCJB X 27 11 51 03.2–.26 44.35N–.01 7.25E–.03 13–2 2.5L
GEN X 27 11 51 03.9 44.34N 7.26E 11 1.9L
ROM X 27 11 51 03.2–.32 44.37N 7.33E 14–10 2.2L,2.0
LDG X 27 11 51 03.8–.12 44.36N 7.30E 2–0 2.5L,2.5
NEIC X 27 11 51 04.9 44.31N 7.29E 5 2.5L,2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=70.0.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=2.2km az=157.1.
ROM Event type ke. Error ellipse: s-maj=10.9km s-min=4.3km az=15.0.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=1.3km az=71.0.
NEIC Event type se. After STR.
ISC X 27 22 30 49.4–1.9 46.20N–.08 13.0E–.10 10 14 0-1
¶15670480
ISC XI 03 03 07 15.4–.30 44.84N–.01 7.25E–.02 10 120 0-3
ROM XI 03 03 07 14.9–.23 44.84N 7.16E 3–3 2.0,2.0L **¶11395519**
CSEM XI 03 03 07 15.2–.11 44.84N 7.24E 12 2.5L,2.0L
STR XI 03 03 07 15.0–.43 44.86N 7.28E 5–0 2.6L,2.0L
NEIC XI 03 03 07 15.2 44.86N 7.30E 2 2.6L,2.4L
ISCJB XI 03 03 07 15.1–.29 44.83N–.01 7.22E–.02 10 2.6L,2.4L
LDG XI 03 03 07 15.2–.11 44.86N 7.30E 2–0 2.6L,2.6
GEN XI 03 03 07 15.9 44.85N 7.31E 5 1.8L,2.6
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=54.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=65.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type se. After LDG.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=156.2.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.2km az=67.0.
ISC XI 03 18 07 25.2–.25 44.60N–.01 7.15E–.03 13–3 189 0-4
ISCJB XI 03 18 07 24.7–.23 44.59N–.01 7.12E–.03 13–2 **¶11395537**
ROM XI 03 18 07 24.7–.29 44.58N 7.14E 10–2 2.2,2.0L
STR XI 03 18 07 25.7–.15 44.60N 7.14E 5–0 2.6L,2.0L
LDG XI 03 18 07 25.7–.09 44.60N 7.15E 5–0 2.6L,2.4
CSEM XI 03 18 07 25.1–.09 44.60N 7.15E 10 2.5L,2.4
GEN XI 03 18 07 25.5 44.58N 7.16E 7 1.8L,2.4
NEIC XI 03 18 07 26.1 44.58N 7.11E 5 2.6L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=160.8.
ROM Event type ke. Error ellipse: s-maj=5.6km s-min=2.1km az=68.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=66.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=70.0.
NEIC Event type se. After STR.
CSEM XI 04 10 36 51.0 44.25N 8.41E 8 1.2L
GEN XI 04 10 36 51.0 44.25N 8.41E 8 1.2L **¶15108571**
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After GEN.
ISC XI 04 20 13 32.0–.48 44.97N–.02 7.66E–.04 13–8 98 0-2
STR XI 04 20 13 20.2–.70 45.64N 7.01E 5–0 2.1L **¶11395574**
LDG XI 04 20 13 30.3–.15 44.98N 7.81E 2–0 2.2,2.1L
NEIC XI 04 20 13 30.3 44.98N 7.81E 2 2.6L,2.1L
CSEM XI 04 20 13 31.8–.23 44.98N 7.65E 15 2.0L,2.1L
ISCJB XI 04 20 13 31.8–.44 44.96N–.02 7.61E–.04 10 2.0L,2.1L
GEN XI 04 20 13 32.4 45.09N 7.53E 35 1.4L,2.1L
ROM XI 04 20 13 32.2–.49 45.05N 7.65E 10–0 1.7,1.4L
ISC Event type ke.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=72.0.
NEIC Event type se. After LDG.
CSEM Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=149.0.
ROM Event type ke. Error ellipse: s-maj=6.8km s-min=3.1km az=123.0.
ISC XI 18 22 50 01.7–.22 44.25N–.01 11.99E–.02 14–2 438 0-7
GEN XI 18 22 49 59.8 44.21N 12.12E 3 2.7L **¶11458348**
ISCJB XI 18 22 50 00.5–.24 44.28N–.01 12.00E–.02 8–2 2.7L
LDG XI 18 22 50 01.8–.13 44.25N 12.06E 10–0 3.0L
CSEM XI 18 22 50 01.6–.07 44.23N 12.00E 15 3.3L
ROM XI 18 22 50 02.2–.12 44.21N 11.96E 25–2 2.9,2.7L
NEIC XI 18 22 50 03.0 44.15N 11.96E 9 3.0L,2.7L
PRU XI 18 22 50 04.9 44.48N 12.19E 0 3.0L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=158.8.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.7km az=95.0.
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=32.0.
NEIC Event type se. After ROM.
ISC XI 21 13 20 52.4–.98 44.24N–.05 11.82E–.08 40–9 36 0-2
ISCJB XI 21 13 20 51.9–1.1 44.25N–.06 11.84E–.08 43–9 **¶13899478**
CSEM XI 21 13 20 51.7–.20 44.22N 11.82E 42–2 2.7L
ROM XI 21 13 20 52.8–.31 44.19N 11.80E 34–3 2.2,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.0km s-min=7.9km az=44.5.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.8km az=143.0.
ROM Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=82.0.
ISC XI 22 21 30 37.5–.38 44.20N–.04 11.97E–.05 27–5 53 0-2
ISCJB XI 22 21 30 37.1–.38 44.23N–.05 11.99E–.05 25–7 **¶13899537**
CSEM XI 22 21 30 37.0–.09 44.18N 11.94E 30 2.8L
ROM XI 22 21 30 37.4–.24 44.19N 11.94E 26–3 2.3,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.1km s-min=5.7km az=14.6.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=138.0.
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=91.0.
ISC XI 23 08 12 00.1–.26 44.22N–.02 11.89E–.02 30–2 223 0-7
NEIC XI 23 08 11 58.6 44.27N 12.07E 10 2.7L,2.5L **¶11478344**
LDG XI 23 08 11 58.6–.10 44.27N 12.07E 10–0 2.7L,2.5L
GEN XI 23 08 11 58.2 44.20N 12.15E 2 2.5L,2.5L
CSEM XI 23 08 11 59.5–.08 44.17N 11.95E 30 2.6L,2.5L
ISCJB XI 23 08 11 59.6–.22 44.23N–.02 11.84E–.02 36–5 2.6L,2.5L
ROM XI 23 08 12 00.0–.18 44.20N 11.94E 24–3 2.6,2.5L
ISC Event type ke.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=2.5km az=144.0.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.9km az=137.0.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=140.8.

ROM Event type ke. Error ellipse: s-maj=2.9km s-min=2.5km az=66.0.
ISC XII 06 12 25 32.8–.58 44.27N–.06 11.48E–.08 29–8 38 0-2
ISCJB XII 06 12 25 32.4–.62 44.29N–.06 11.49E–.08 31–9 ¶13899965
CSEM XII 06 12 25 32.5–.17 44.24N 11.48E 30 2.7L
ROM XII 06 12 25 33.3–.29 44.27N 11.51E 10–0 2.2,2.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=7.4km az=136.1.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.7km az=128.0.
ROM Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=27.0.
ISC XII 13 06 02 24.7–.20 46.515N–.01 10.09E–.01 1–1 548 0-6
ZUR XII 13 06 02 23.9 46.50N 10.06E 1–0 3.3L ¶13944713
NEIC XII 13 06 02 23.9 46.50N 10.06E 1 3.3L,2.9L
ISCJB XII 13 06 02 24.0–.13 46.529N–.01 10.10E–.01 10 3.3L,2.9L
ROM XII 13 06 02 23.5–.17 46.52N 10.04E 5–2 3.0,2.9L
VIE XII 13 06 02 23.6–.12 46.49N 10.09E 8–1 3.4L,2.6b
PRU XII 13 06 02 24.2 46.49N 10.12E 0 3.4L,2.6b
CSEM XII 13 06 02 24.5–.08 46.51N 10.12E 2 3.5L,2.6b
GEN XII 13 06 02 24.7 46.53N 10.05E 5 3.1L,2.6b
LDG XII 13 06 02 25.6–.10 46.62N 10.28E 2–0 3.4L,2.6b
BGR XII 13 06 02 26.1–.52 46.53N 10.10E 10 3.3L,2.6b
STR XII 13 06 02 27.9–.28 46.59N 9.96E 5–0 3.4L,2.6b
ISC Event type fe.
NEIC Event type fe. Felt [IV] at Livigno. After ZUR.
ISCJB Event type fe. Error ellipse: s-maj=1.4km s-min=1.2km az=170.4.
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=1.8km az=2.0.
VIE Error ellipse: s-maj=0.9km s-min=0.6km az=3.0. 20 km ENE of St. Moritz .
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=175.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=2.1km az=112.0.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=18.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC XII 23 11 13 14.4–.24 44.37N–.02 11.51E–.02 10 213 0-6
ISCJB XII 23 11 13 13.1–.25 44.41N–.02 11.52E–.02 10 ¶11539014
VIE XII 23 11 13 13.5–.41 44.33N 11.74E 10–0 2.8L,2.0b
NEIC XII 23 11 13 13.5 44.33N 11.74E 10 2.8L,2.8L
CSEM XII 23 11 13 14.8–.13 44.31N 11.56E 20 2.9L,2.8L
GEN XII 23 11 13 15.0 44.18N 11.56E 6 2.4L,2.8L
ROM XII 23 11 13 15.0–.20 44.30N 11.50E 23–3 2.6,2.5L
LDG XII 23 11 13 17.0–.19 44.25N 11.43E 10–0 2.8L,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=4.8.
VIE Error ellipse: s-maj=3.3km s-min=2.3km az=165.0. 38 km ESE of Bologna .
NEIC Event type se. After VIE.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=69.0.
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=2.5km az=70.0.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=3.8km az=35.0.
ISC XII 23 15 18 20.9–.20 44.57N–.02 10.39E–.02 25–2 3.5b 440 0-65
ZUR XII 23 15 18 16.0 44.37N 10.39E 8–9 3.3L ¶11519075
IDC XII 23 15 18 16.4–1.3 44.46N 10.67E 0 3.8,3.6b
GEN XII 23 15 18 18.3 44.66N 10.49E 0 3.1L,3.6b
CSEM XII 23 15 18 19.8–.09 44.58N 10.43E 15 3.7L,3.6b
STR XII 23 15 18 19.5–.41 44.63N 10.33E 5–0 3.4L,3.6b
ISCJB XII 23 15 18 20.2–.19 44.57N–.02 10.39E–.02 30–2 3.5b,3.6b
ROM XII 23 15 18 20.3–.14 44.54N 10.33E 26–2 3.4L,3.6b
PRU XII 23 15 18 20.0 44.63N 10.55E 10 3.4L,3.6b
LDG XII 23 15 18 21.6–.08 44.59N 10.59E 30–0 3.5L,3.6b
NEIC XII 23 15 18 21.6 44.59N 10.59E 30 3.6L,3.5L
VIE XII 23 15 18 22.8–.87 44.74N 10.77E 8–0 3.6L,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=14.5km az=117.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=147.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=157.7.
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=58.0.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=3.0.
NEIC Event type se. After LDG.
VIE Error ellipse: s-maj=8.6km s-min=6.3km az=70.0. 52 km WNW of Bologna .
ISC XII 23 15 24 22.4–.17 44.596N–.01 10.402E–.01 26–1 5.2s,5.2b 2327 0-153
BGS XII 23 15 24 16.3–2.0 44.19N 10.37E 25–0 5.2b,5.2b ¶13403766
PRU XII 23 15 24 17.3 44.50N 10.39E 0 5.2,5.2b
MOS XII 23 15 24 19.1–.94 44.56N 10.46E 18 5.4b,5.3s
ZUR XII 23 15 24 20.5 44.54N 10.37E 12–1 5.4L,5.3s
ISCJB XII 23 15 24 21.0–.16 44.591N–.01 10.438E–.01 29–1 5.2s,5.2b
GEN XII 23 15 24 20.0 44.62N 10.49E 0 5.2L,5.2b
BJI XII 23 15 24 20.0 44.91N 10.39E 19 5.5s,5.4b
IDC XII 23 15 24 20.7–2.6 44.55N 10.34E 19–15 5.1,5.1s
CSEM XII 23 15 24 20.7–.05 44.59N 10.44E 12 5.5b,5.4W
BGR XII 23 15 24 20.4–.71 44.56N 10.37E 10 5.8L,5.4W
PDG XII 23 15 24 21.8–.84 44.67N 10.47E 27–1 5.4,5.3L
ROM XII 23 15 24 21.7–.08 44.54N 10.35E 23–1 5.2L,5.3L
STR XII 23 15 24 21.1–.34 44.63N 10.33E 5–0 5.4L,5.3L
NEIC XII 23 15 24 22.5–.10 44.56N 10.41E 28 5.7L,5.4W
LDG XII 23 15 24 22.4–.08 44.65N 10.59E 28–0 5.7L,4.8s
SFS XII 23 15 24 22.0 44.60N 10.41E 28 5.3L,4.8s
CRAAG XII 23 15 24 22.8 44.60N 10.40E 5.4W,4.8s
BNS XII 23 15 24 23.5–.42 44.56N 10.27E 29–0 5.1L,4.8s
LEDBW XII 23 15 24 26.0–2.5 44.7N–.20 10.5E–.10 10–0 5.5L,4.8s
GCMT XII 23 15 24 26.5–.10 44.51N 10.30E 26–0 5.4W,4.8s
DJA XII 23 15 24 32 44.42N 10.41E 110 5.0b,4.8s
ISC Event type fe.
BGS Error ellipse: s-maj=223.8km s-min=265.9km az=-1.0.
MOS Error ellipse: s-maj=3.2km s-min=2.8km az=65.7.
ISCJB Event type fe. Error ellipse: s-maj=1.3km s-min=1.0km az=7.6.
IDC Error ellipse: s-maj=11.0km s-min=9.0km az=118.0.
CSEM Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=10.0.
BGR Event type ke. Error ellipse: s-maj=12.2km s-min=10.0km az=136.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
ROM Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=62.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type fe. Error ellipse: s-maj=2.3km s-min=1.5km az=201.0. Felt [VI] at Langhirano; [V] at Albinea, Casalgrande, Montechiarugolo, Quattro Castella, Sala Baganza and Sassuolo; [IV] at Bergamo, Bologna, Brescia, Carpi, Castelfranco Emilia, Castelnovo ne'Monti, Como, Correggio, Cremona, Fidenza, Florence, Genoa, La Spezia, Lucca, Mantova, Maranello, Massa, Milan, Modena, Montecchio Emilia, Novara, Padua, Parma, Pavia, Piacenza, Pisa, Pistoia, Reggio nell'Emilia, Reolto, Rovigo, San Giovanni Lupatoto, Sesto San Giovanni, Verona, Viareggio, Vicenza and Visignano; [III] at Ferrara, Livorno, Prato, Trento, Trieste, Treviso, Turin and Venice. Felt in much of Emilia Romagna, Friuli-Venezia Giulia, Liguria, Lombardia, Piemonte, northern Tocscana, Trentino-Alto Adige and Veneto. Also felt in parts of southeastern Switzerland. Moment Tensor Solution. s46 Moment tensor: Scale 10^{17}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-0.24 $M_{r\theta}$-0.21 $M_{\theta\phi}$0.35 $M_{\phi r}$0.06 Best double couple: NP1:ϕ_s294.00000° ,δ51.00000°,λ88.00000°. NP2:ϕ_s117.00000°,δ39.00000°,λ93.00000°. Principal axes: T 1.0800,Plg83.0000°,Azm190.0000°; N -0.0800,Plg1.0000°,Azm295.0000° ; P -1.0100,Plg6.0000°,Azm25.0000° $M_0$1.00000×10^{17} Moment Tensor Solution. $M_0$7.60000×10^{16}
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=32.0.
SFS Event type ke.
BNS Event type ke.
LEDBW Error ellipse: s-maj=68.0km s-min=28.0km az=157.0.
GCMT Event type se. Data Used: II IU IC CN G. Surface waves: sta= 91, comp=190, per= 50. Moment Tensor Solution. s82,c139; s13,c13; Moment tensor: Scale 10^{17}Nm; M_{rr}1.21±.03 $M_{\theta\theta}$-1.36±.02; $M_{\phi\phi}$0.14±.02; $M_{r\theta}$1.09±.05; $M_{\theta\phi}$0.64±.02; $M_{\phi r}$-0.28±.05; Best double couple: NP1:ϕ_s297.00000°,δ26.00000°,λ100.00000°. NP2:ϕ_s106.00000°,δ64.00000°,λ85.00000°. Principal axes: T 1.6100,Plg70.0000°,Azm6.0000°; N 0.3700,Plg4.0000°,Azm108.0000° ; P -1.9900,Plg19.0000°,Azm199.0000° $M_0$1.80000×10^{17}
ISC XII 23 15 35 49.9–.69 44.59N–.04 10.4E–.10 31–5 64 0-4
ISCJB XII 23 15 35 48.9–.85 44.61N–.04 10.36E–.08 37–9 ¶11539017
CSEM XII 23 15 35 49.6–.23 44.57N 10.39E 30 2.8L
ROM XII 23 15 35 49.2–.57 44.64N 10.61E 25–0 2.1
LDG XII 23 15 35 50.0–.61 44.55N 10.50E 20–0 2.8L
NEIC XII 23 15 35 50.0 44.55N 10.50E 20 2.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.1km s-min=5.8km az=167.8.
CSEM Event type ke. Error ellipse: s-maj=6.5km s-min=4.1km az=68.0.
ROM Event type ke. Error ellipse: s-maj=11.7km s-min=2.9km az=64.0.
LDG Event type ke. Error ellipse: s-maj=14.7km s-min=6.6km az=101.0.
NEIC Event type se. After LDG.
ISC XII 23 15 39 56.5–.35 44.56N–.03 10.37E–.05 22–4 94 0-6
ISCJB XII 23 15 39 55.9–.34 44.57N–.03 10.31E–.05 25–4 ¶11519076
CSEM XII 23 15 39 55.8–.19 44.60N 10.41E 20 1.8
ROM XII 23 15 39 55.6–.19 44.56N 10.33E 24–3 1.8
LDG XII 23 15 39 56.0–.42 44.55N 10.60E 20–0 3.2L
NEIC XII 23 15 39 56.0 44.55N 10.60E 20 3.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.2km az=15.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=84.0.
ROM Event type ke. Error ellipse: s-maj=3.4km s-min=1.8km az=68.0.
LDG Event type ke. Error ellipse: s-maj=10.3km s-min=4.1km az=102.0.
NEIC Event type se. After LDG.
ISC XII 23 15 40 20.2–.28 44.59N–.02 10.40E–.03 27–3 206 0-7
GEN XII 23 15 40 18.7 44.62N 10.46E 19 2.5L ¶11539018
PRU XII 23 15 40 18.1 44.65N 10.52E 0 2.5L
ISCJB XII 23 15 40 19.4–.27 44.62N–.02 10.41E–.03 33–6 2.5L
CSEM XII 23 15 40 19.8–.13 44.57N 10.43E 26–1 3.0L
STR XII 23 15 40 20.0–.77 44.67N 10.18E 5–0 3.1L
ROM XII 23 15 40 20.0–.32 44.54N 10.33E 22–5 2.3,2.2L
NEIC XII 23 15 40 21.1 44.56N 10.54E 25 3.0L,2.2L
LDG XII 23 15 40 21.1–.29 44.56N 10.54E 25–0 3.0L,2.2L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=14.8.
CSEM Event type ke. Error ellipse: s-maj=3.2km s-min=2.9km az=5.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ROM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=77.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=3.3km az=102.0.
ISC XII 23 16 19 37.2–.60 44.59N–.03 10.42E–.07 25–4 83 0-5
ISCJB XII 23 16 19 36.3–.61 44.61N–.03 10.42E–.07 30–4 ¶11539023
ROM XII 23 16 19 36.3–.35 44.60N 10.42E 28–4 2.0,1.9L
CSEM XII 23 16 19 37.3–.30 44.57N 10.40E 20 2.3L,1.9L
LDG XII 23 16 19 38.0–.62 44.55N 10.62E 25–0 2.6L,1.9L
NEIC XII 23 16 19 38.0 44.55N 10.62E 25 2.6L,1.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.5km s-min=4.8km az=167.8.
ROM Event type ke. Error ellipse: s-maj=4.9km s-min=2.1km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=7.5km s-min=4.3km az=60.0.
LDG Event type ke. Error ellipse: s-maj=13.7km s-min=6.6km az=95.0.
NEIC Event type se. After LDG.
ISC XII 23 16 21 51.2–.35 44.56N–.02 10.37E–.04 20–3 109 0-6
ROM XII 23 16 21 50.7–.39 44.55N 10.38E 24–5 2.2,1.9L ¶11539024
CSEM XII 23 16 21 50.8–.13 44.54N 10.39E 16–1 2.4L,1.9L
GEN XII 23 16 21 50.1 44.55N 10.43E 22 1.8L,1.9L
ISCJB XII 23 16 21 50.7–.36 44.57N–.03 10.36E–.04 24–3 1.8L,1.9L
NEIC XII 23 16 21 51.5 44.56N 10.61E 20 2.6L,1.9L
LDG XII 23 16 21 51.5–.48 44.56N 10.61E 20–0 2.6L,1.9L
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=95.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.4km az=161.5.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=10.3km s-min=5.3km az=92.0.
ISC XII 23 16 32 54.6–.33 44.56N–.02 10.38E–.04 23–3 121 0-5
CSEM XII 23 16 32 53.9–.17 44.57N 10.42E 20 2.5L ¶11539025
GEN XII 23 16 32 54.2 44.53N 10.34E 24 1.9L
ISCJB XII 23 16 32 54.2–.32 44.56N–.02 10.35E–.04 27–3 1.9L
ROM XII 23 16 32 54.1–.13 44.55N 10.41E 26–2 2.4L,2.1
NEIC XII 23 16 32 55.3 44.57N 10.58E 25 2.6L,2.1
LDG XII 23 16 32 55.3–.38 44.57N 10.59E 25–0 2.6L,2.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=88.0.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=3.4km az=36.1.
ROM Event type ke. Error ellipse: s-maj=3.6km s-min=1.8km az=86.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=8.5km s-min=3.9km az=97.0.
ISC XII 23 16 51 09.7–.23 44.60N–.01 10.38E–.02 22–2 425 0-19
IDC XII 23 16 51 06.6–3.3 44.53N 10.69E 0 3.6,3.5 ¶11518368
ISCJB XII 23 16 51 08.9–.20 44.62N–.02 10.36E–.02 27–2 3.6,3.5
GEN XII 23 16 51 08.7 44.55N 10.36E 25 3.0L,3.5
NEIC XII 23 16 51 08.8–.39 44.60N 10.38E 10 3.5L,3.4L
PRU XII 23 16 51 08.3 44.70N 10.57E 0 3.5L,3.4L
CSEM XII 23 16 51 08.2–.09 44.62N 10.42E 10 3.7L,3.4L
ROM XII 23 16 51 09.3–.11 44.56N 10.33E 22–2 3.2L,3.0
STR XII 23 16 51 09.2–.65 44.67N 10.26E 5–0 3.5L,3.0
LDG XII 23 16 51 10.6–.11 44.68N 10.55E 25–0 3.5L,3.0
ZUR XII 23 16 51 10.1 44.63N 10.29E 23–2 3.4L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=55.0km s-min=22.5km az=136.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=165.9.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=145.0.
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=20.0.
ROM Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=73.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=24.0.
ISC XII 23 17 24 08.5–.28 44.55N–.02 10.34E–.03 21–3 165 0-6
GEN XII 23 17 24 06.8 44.56N 10.40E 26 2.1L ¶11539028
ISCJB XII 23 17 24 08.0–.26 44.56N–.02 10.31E–.03 26–2 2.1L
ROM XII 23 17 24 07.6–.22 44.57N 10.25E 22–3 2.3L,2.2
CSEM XII 23 17 24 07.8–.14 44.59N 10.35E 15 2.7L,2.2
STR XII 23 17 24 09.7–1.1 45.00N 9.92E 5–0 2.6L,2.2
NEIC XII 23 17 24 09.9 44.57N 10.44E 25 2.8L,2.2
LDG XII 23 17 24 09.9–.42 44.57N 10.44E 25–0 2.8L,2.2
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=3.3km az=150.1.
ROM Event type ke. Error ellipse: s-maj=3.9km s-min=2.5km az=87.0.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=2.9km az=34.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=8.9km s-min=4.6km az=99.0.
ISC XII 23 17 31 53.2–.35 44.55N–.03 10.42E–.04 24–3 79 0-5
ISCJB XII 23 17 31 52.5–.36 44.56N–.03 10.41E–.04 30–3 ¶11539029
GEN XII 23 17 31 52.8 44.50N 10.37E 27 1.7L
CSEM XII 23 17 31 52.9–.17 44.55N 10.43E 20 2.4L
ROM XII 23 17 31 53.0–.33 44.55N 10.44E 26–5 2.5,2.0L
LDG XII 23 17 31 54.1–.36 44.57N 10.62E 25–0 2.4L,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=4.4km az=168.3.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=42.0.
ROM Event type ke. Error ellipse: s-maj=4.7km s-min=3.0km az=82.0.
LDG Event type ke. Error ellipse: s-maj=8.3km s-min=3.5km az=97.0.
ISC XII 23 18 15 05.1–.53 44.62N–.03 10.36E–.04 10 103 2-5
ISCJB XII 23 18 15 03.7–.56 44.69N–.03 10.37E–.04 10 ¶11539033
CSEM XII 23 18 15 07.7–.25 44.60N 10.43E 40 2.4L
LDG XII 23 18 15 08.1–.38 44.56N 10.53E 25–0 2.5L
NEIC XII 23 18 15 08.1 44.56N 10.53E 25 2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=147.9.
CSEM Event type ke. Error ellipse: s-maj=5.8km s-min=4.4km az=148.0.
LDG Event type ke. Error ellipse: s-maj=8.0km s-min=4.4km az=101.0.
NEIC Event type se. After LDG.
ISC XII 23 21 58 27.2–.19 44.596N–.01 10.433E–.01 23–1 5.0b,4.5s 2127 0-151
BJI XII 23 21 58 22.6 44.87N 10.34E 7 5.3b,5.1s ¶13403807
BGS XII 23 21 58 23.8–2.9 44.31N 10.24E 25–0 4.9b,5.1s
MOS XII 23 21 58 24.2–.86 44.64N 10.44E 14 5.2b,4.5s
ISCJB XII 23 21 58 25.8–.17 44.585N–.01 10.445E–.01 27–1 5.0b,4.5s
NEIC XII 23 21 58 25.0 44.52N 10.39E 31 5.3b,5.1L

STR XII 23 21 58 25.8–.33 44.61N 10.39E 5–0 4.9L,5.1L
GEN XII 23 21 58 25.6 44.56N 10.52E 15 4.5L,5.1L
BGR XII 23 21 58 25.9–.70 44.60N 10.39E 10 5.4L,5.1L
ZUR XII 23 21 58 25.1 44.52N 10.42E 11–1 5.1L,5.1L
ROM XII 23 21 58 26.5–.10 44.53N 10.36E 24–1 4.8L,5.1L
IDC XII 23 21 58 26.9–.43 44.53N 10.45E 26–2 4.7,4.6b
PDG XII 23 21 58 26.1–1.4 44.63N 10.43E 25–2 5.0L,5.0
CRAAG XII 23 21 58 26.9 44.60N 10.40E 4.9W,5.0
LDG XII 23 21 58 26.2 44.58N 10.67E 30 4.9W,5.0
PRU XII 23 21 58 26.9 44.62N 10.59E 10 5.3,5.0
CSEM XII 23 21 58 27.5–.04 44.60N 10.46E 29 5.3b,5.1L
BNS XII 23 21 58 28.2–.43 44.58N 10.27E 20 4.9L,5.1L
GCMT XII 23 21 58 30.3–.50 44.50N 10.23E 30–1 5.0W,5.1L
ISC Event type fe.
BGS Error ellipse: s-maj=216.6km s-min=249.6km az=-1.0.
MOS Error ellipse: s-maj=3.0km s-min=2.7km az=92.3.
ISCJB Event type fe. Error ellipse: s-maj=1.4km s-min=1.1km az=5.6.
NEIC Event type fe. Felt [V] at Isola della Scala and Sant'Ilario d'Enza; [IV] at Asola, Avenza, Bergamo, Bogliano, Caldiero, Cariglione delle Stiviere, Castelnovo ne'Monti, Cellatica, Darfo Boario Terme, La Spezia, Marina di Massa, Modena, Montecchio Emilia, Montechiarugolo, Parma, Quattro Castella, Reggio nell'Emillia, Reolto, Sassuolo, Soliera, Torre Boldone, Verona and Vobarno. Felt widely in Emilia Romagna, Liguria, Lombardia, northern Toscana and Trentino-Alto Adige. After ROM.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
BGR Event type ke. Error ellipse: s-maj=13.3km s-min=11.1km az=132.0.
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=72.0.
IDC Error ellipse: s-maj=9.4km s-min=6.6km az=130.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.4km az=0.0.
LDG Event type ke.
CSEM Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=6.0.
BNS Event type ke.
GCMT Event type se. Data Used: II IC IU G CN. Moment Tensor Solution. s26,c31; s51,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}2.54±.22 $M_{\theta\theta}$-2.68±.13; $M_{\phi\phi}$0.14±.15; $M_{r\theta}$1.12±.16; $M_{\theta\phi}$1.40±.12; $M_{\phi r}$-1.37±.23; Best double couple: NP1:ϕ_s273.00000°,δ34.00000°,λ59.00000°. NP2:ϕ_s129.00000°,δ62.00000°,λ109.00000°. Principal axes: T 3.2000,Plg67.0000° ,Azm77.0000°; N 0.4600,Plg17.0000°,Azm300.0000°; P -3.6600,Plg14.0000°,Azm205.0000° $M_0$3.40000×10^{16}

ISC XII 23 22 14 03.9–.22 44.56N–.02 10.36E–.02 25–2 403 0-8
STR XII 23 22 14 02.9–.51 44.64N 10.32E 5–0 3.3L **¶11518381**
GEN XII 23 22 14 02.9 44.53N 10.35E 26 2.8L
ISCJB XII 23 22 14 03.1–.21 44.58N–.02 10.33E–.02 30–2 2.8L
CSEM XII 23 22 14 03.3–.09 44.56N 10.38E 20 3.2L
ROM XII 23 22 14 03.5–.12 44.56N 10.31E 24–2 3.0L
NEIC XII 23 22 14 04.4 44.63N 10.57E 30 3.1L,3.0L
PRU XII 23 22 14 04.1 44.72N 10.64E 0 3.1L,3.0L
LDG XII 23 22 14 04.4–.20 44.63N 10.57E 30–0 3.1L,3.0L
ISC Event type ke.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=159.0.
CSEM Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=170.0.
ROM Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=62.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=3.1km az=159.0.

ISC XII 23 23 29 55.0–.29 44.55N–.02 10.40E–.03 24–3 160 0-6
CSEM XII 23 23 29 54.5–.14 44.56N 10.43E 17–1 2.4L **¶11539052**
GEN XII 23 23 29 54.0 44.59N 10.46E 5 2.2L
ISCJB XII 23 23 29 54.2–.30 44.56N–.02 10.39E–.03 29–2 2.2L
ROM XII 23 23 29 54.6–.21 44.52N 10.39E 26–2 2.7,2.5L
NEIC XII 23 23 29 56.7 44.56N 10.52E 25 2.5L,2.5L
LDG XII 23 23 29 56.7–.21 44.56N 10.52E 25–0 2.5L,2.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=97.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.7km az=148.4.
ROM Event type ke. Error ellipse: s-maj=4.4km s-min=1.9km az=85.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=5.8km s-min=4.3km az=37.0.

ISC XII 23 23 37 06.7–.22 44.641N–.01 10.35E–.01 22–2 4.0b 1221 0-76
IDC XII 23 23 37 03.3–.86 44.61N 10.30E 0 4.1,4.1L **¶13403813**
MOS XII 23 23 37 04.2–.89 44.65N 10.34E 17 4.1b,4.1L
ZUR XII 23 23 37 04.9 44.59N 10.31E 12–1 4.0L,4.1L
ISCJB XII 23 23 37 05.5–.20 44.64N–.01 10.34E–.01 29–2 4.0b,4.1L
GEN XII 23 23 37 05.1 44.62N 10.38E 15 3.8L,4.1L
PRU XII 23 23 37 05.8 44.72N 10.43E 0 4.1,4.1L
CSEM XII 23 23 37 05.5–.05 44.63N 10.36E 12 4.4L,4.1b
PDG XII 23 23 37 06.1–.79 44.66N 10.37E 24–1 4.2L,4.1b
ROM XII 23 23 37 06.0–.11 44.58N 10.26E 19–2 4.0L,4.1b
LDG XII 23 23 37 06.5–.10 44.66N 10.47E 25–0 4.1L,4.1b
NEIC XII 23 23 37 06.0 44.57N 10.29E 21 4.1b,4.1L
STR XII 23 23 37 07.0–.53 44.72N 10.10E 5–0 4.2L,4.1L
ISC Event type fe.
IDC Error ellipse: s-maj=17.7km s-min=13.3km az=109.0.
MOS Error ellipse: s-maj=3.5km s-min=2.7km az=102.6.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.3km az=179.3.
CSEM Event type fe. Error ellipse: s-maj=1.6km s-min=1.3km az=10.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=80.0.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=20.0.
NEIC Event type fe. Felt [IV] at Collecchio and Sala Baganza and [III] at Parma and Reggio nell'Emilia. Also felt at Corregio, Fidenza and Quattro Castella. After ROM.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

ISC XII 23 23 40 34.5–.34 44.56N–.02 10.34E–.04 23–4 204 0-7
ISCJB XII 23 23 40 33.6–.34 44.58N–.02 10.28E–.05 26–5 **¶11539053**
CSEM XII 23 23 40 33.2–.16 44.57N 10.34E 10 3.1L
ROM XII 23 23 40 33.8–.14 44.54N 10.40E 25–2 2.6
NEIC XII 23 23 40 36.6 44.57N 10.42E 25 3.1L
LDG XII 23 23 40 36.6–.18 44.57N 10.42E 25–0 3.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.7km az=1.6.
CSEM Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=53.0.
ROM Event type ke. Error ellipse: s-maj=4.9km s-min=1.9km az=68.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=3.5km az=62.0.

ROM XII 24 00 44 12.8–.17 44.56N 10.34E 24–3 2.5,2.5L
GEN XII 24 00 44 11.5 44.61N 10.44E 22 2.1L,2.5L **¶11593883**
CSEM XII 24 00 44 13.0–.13 44.56N 10.30E 16–1 2.5L,2.5L
NEIC XII 24 00 44 13.3 44.59N 10.27E 12 2.6L,2.5L
LDG XII 24 00 44 14.4–.16 44.60N 10.44E 20–0 2.6L,2.5L
STR XII 24 00 44 15.8–.47 44.78N 9.91E 5–0 2.5L,2.5L
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=2.2km az=100.0.
CSEM Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=8.0.
NEIC Event type se. After CSEM.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=20.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

ISC XII 24 12 22 58.6–.21 44.57N–.01 10.44E–.01 24–2 3.7b 556 0-65
IDC XII 24 12 22 54.7–1.4 44.42N 10.82E 0 3.9,3.8b **¶11518755**
STR XII 24 12 22 56.8–.43 44.58N 10.51E 5–0 3.7L,3.8b
ZUR XII 24 12 22 57.9 44.56N 10.35E 16–2 3.7L,3.8b
CSEM XII 24 12 22 57.8–.08 44.54N 10.48E 20 4.0L,3.8b
GEN XII 24 12 22 57.3 44.58N 10.52E 14 3.6L,3.8b
ROM XII 24 12 22 58.3–.10 44.52N 10.41E 23–1 3.6L,3.8b
LDG XII 24 12 22 58.1–.11 44.60N 10.54E 20–0 3.7L,3.8b
NEIC XII 24 12 22 58.1 44.60N 10.54E 20 3.8L,3.7L
PRU XII 24 12 22 58.8 44.61N 10.63E 13 3.8L,3.7L
VIE XII 24 12 23 00.2 44.50N 10.60E 25 3.8L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=12.9km az=127.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=5.0.
ROM Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=58.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.8km az=18.0.
NEIC Event type se. After LDG.

VIE 58 km W of Bologna .

ISC XII 24 19 00 10.7–.30 44.57N–.02 10.35E–.03 23–3 150 0-5
GEN XII 24 19 00 09.4 44.63N 10.44E 11 2.0L **¶11593901**
LDG XII 24 19 00 10.9–.23 44.52N 10.55E 30–0 2.7L
NEIC XII 24 19 00 10.9 44.52N 10.55E 30 2.7L
ROM XII 24 19 00 10.2–.17 44.56N 10.35E 26–2 2.1
ISCJB XII 24 19 00 10.0–.30 44.58N–.02 10.34E–.03 28–2 2.1
CSEM XII 24 19 00 10.2–.15 44.58N 10.38E 20 2.5L
STR XII 24 19 00 12.1–.79 45.32N 9.58E 5–0 2.7L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=4.2km az=87.0.
NEIC Event type se. After LDG.
ROM Event type ke. Error ellipse: s-maj=3.3km s-min=1.6km az=72.0.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.6km az=155.6.
CSEM Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=46.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

ISC XII 25 03 08 30.4–.21 44.609N–.01 10.39E–.01 26–2 4.1b 1034 0-85
BJI XII 25 03 08 24.0 44.39N 10.34E 12 4.9b,4.7b **¶13403915**
STR XII 25 03 08 28.6–.45 44.63N 10.39E 5–0 4.4L,4.7b
PRU XII 25 03 08 28.3 44.71N 10.38E 0 4.0,4.7b
MOS XII 25 03 08 28.7–.92 44.60N 10.41E 28 4.4b,4.7b
ZUR XII 25 03 08 28.4 44.55N 10.35E 11–1 4.2L,4.7b
CSEM XII 25 03 08 28.6–.06 44.61N 10.42E 10 4.6L,4.0b
GEN XII 25 03 08 29.1 44.59N 10.42E 16 3.9L,4.0b
NEIC XII 25 03 08 29.0 44.56N 10.33E 29 4.3L,4.2L
ROM XII 25 03 08 29.8–.09 44.56N 10.31E 22–1 3.9L,4.2L
PDG XII 25 03 08 30.3–.75 44.68N 10.42E 29–1 4.2L,4.2L
IDC XII 25 03 08 30.2–3.1 44.57N 10.38E 25–21 4.3L,4.0
LDG XII 25 03 08 31.0–.07 44.67N 10.53E 30–0 4.3L,4.0
ISC Event type fe.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
MOS Error ellipse: s-maj=4.0km s-min=3.2km az=82.7.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=9.0.
NEIC Event type fe. Felt [IV] at Langhirano, Parma and Reggio nell'Emilia. Also felt at Busana, Felino, Montichiari, Montecchio Emilia, Padova, Sala Baganza and San Polo d'Enza in Caviano. After ROM.
ROM Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=61.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
IDC Error ellipse: s-maj=14.6km s-min=9.1km az=114.0.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=34.0.

ROM XII 25 03 31 55.2–.14 44.55N 10.37E 26–2 2.3,2.2L
CSEM XII 25 03 31 54.2–.18 44.59N 10.36E 30 2.1L,2.2L **¶13900305**
GEN XII 25 03 31 55.0 44.56N 10.39E 21 1.7L,2.2L
ROM Event type ke. Error ellipse: s-maj=3.8km s-min=1.5km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=5.0km s-min=4.0km az=97.0.

ISC XII 26 00 25 35.7–.28 44.58N–.02 10.38E–.03 25–3 211 0-7
CSEM XII 26 00 25 34.2–.16 44.69N 10.39E 10 3.0L **¶11523405**
NEIC XII 26 00 25 35.2 44.56N 10.21E 9 2.7L
ROM XII 26 00 25 35.1–.12 44.57N 10.38E 24–2 2.8L,2.6
PRU XII 26 00 25 35.5 44.62N 10.62E 12 2.8L,2.6
ISCJB XII 26 00 25 35.2–.27 44.56N–.02 10.36E–.03 29–3 2.8L,2.6
VIE XII 26 00 25 35.1 44.30N 10.60E 33 4.0b,2.6
STR XII 26 00 25 36.2–.54 44.56N 10.23E 5–0 3.0L,2.6
LDG XII 26 00 25 36.1–.20 44.56N 10.50E 25–0 3.1L,2.6
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=98.0.
NEIC Event type se. After ROM.
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=1.7km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=141.2.
VIE 62 km WSW of Bologna .
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=4.3km az=179.0.

ISC XII 26 01 30 28.7–.26 44.56N–.02 10.46E–.02 27–2 340 0-39
IDC XII 26 01 30 26.3–1.8 44.55N 10.79E 0 3.3,3.2L **¶11523406**
CSEM XII 26 01 30 27.6–.11 44.59N 10.48E 15 3.4L,2.8
ZUR XII 26 01 30 27.2 44.46N 10.41E 25–4 3.3L,2.8
LDG XII 26 01 30 28.8–.14 44.59N 10.55E 20–0 3.3L,2.8
PRU XII 26 01 30 28.7 44.60N 10.65E 14 3.6,2.8
VIE XII 26 01 30 28.0 44.60N 10.50E 8 3.0L,2.8
ROM XII 26 01 30 28.1–.11 44.53N 10.43E 25–2 3.2L,2.8
NEIC XII 26 01 30 28.0 44.50N 10.40E 14 3.6b,3.3L
STR XII 26 01 30 29.8–.58 44.70N 10.18E 5–0 3.2L,3.3L
ISC Event type fe.
IDC Error ellipse: s-maj=21.2km s-min=15.0km az=114.0.
CSEM Event type ke. Error ellipse: s-maj=2.9km s-min=2.7km az=5.0.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=3.2km az=16.0.
VIE 67 km W of Bologna .
ROM Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=56.0.
NEIC Event type fe. Felt at Parma. After ROM.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

ISC XII 26 07 54 07.7–.47 44.55N–.05 10.39E–.05 24–5 57 0-5
ROM XII 26 07 54 06.8–.15 44.55N 10.37E 26–2 2.6L,2.3 **¶13813366**
ISCJB XII 26 07 54 07.1–.51 44.54N–.05 10.42E–.05 27–5 2.6L,2.3
CSEM XII 26 07 54 07.2–.29 44.62N 10.44E 10 2.3,2.3
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=2.0.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=6.4km az=13.3.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=5.6km az=106.0.

ISC XII 26 17 05 29.1–.21 44.66N–.02 10.31E–.02 10 245 0-7
ISCJB XII 26 17 05 27.7–.22 44.74N–.02 10.34E–.02 10 **¶11523413**
ROM XII 26 17 05 29.5–.17 44.58N 10.28E 22–3 3.1L
CSEM XII 26 17 05 29.6–.13 44.60N 10.35E 20 3.4L
NEIC XII 26 17 05 29.0 44.54N 10.28E 5 3.5L,3.2L
PRU XII 26 17 05 29.9 44.68N 10.62E 4 3.5L,3.2L
LDG XII 26 17 05 30.2–.12 44.67N 10.52E 20–0 3.5L,3.2L
STR XII 26 17 05 40.6–.74 45.06N 8.73E 5–0 2.9L,3.2L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=2.2km az=167.8.
ROM Event type ke. Error ellipse: s-maj=3.5km s-min=2.7km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=11.0.
NEIC Event type fe. Felt at Quattro Castella. After ROM.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=5.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

ROM XII 27 12 40 28.4–.17 44.32N 11.50E 23–3 2.8L,2.7
NEIC XII 27 12 40 27.9 44.40N 11.70E 10 3.3L,3.3L **¶11523423**
PRU XII 27 12 40 27.3 44.46N 11.65E 0 3.3L,3.3L
LDG XII 27 12 40 27.9–.14 44.40N 11.70E 10–0 3.3L,3.3L
CSEM XII 27 12 40 28.1–.09 44.33N 11.58E 20 3.2L,3.3L
STR XII 27 12 40 33.6–1.1 44.68N 10.92E 5–0 3.2L,3.3L
ROM Event type ke. Error ellipse: s-maj=3.4km s-min=2.3km az=56.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=45.0.
CSEM Event type ke. Error ellipse: s-maj=2.3km s-min=2.2km az=34.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.

ISC XII 27 13 23 29.5–.24 44.67N–.02 10.46E–.02 10 183 0-6
ISCJB XII 27 13 23 28.3–.25 44.69N–.02 10.45E–.02 10 **¶11523424**
ROM XII 27 13 23 30.6–.16 44.54N 10.38E 25–2 3.0L,2.6
CSEM XII 27 13 23 30.6–.14 44.56N 10.45E 20 3.1L,2.6
NEIC XII 27 13 23 32.1 44.59N 10.54E 20 3.1L,2.7L
PRU XII 27 13 23 32.5 44.69N 10.67E 11 3.1L,2.7L
LDG XII 27 13 23 32.1–.14 44.59N 10.54E 20–0 3.1L,2.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=21.1.
ROM Event type ke. Error ellipse: s-maj=4.8km s-min=2.6km az=64.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=28.0.
NEIC Event type se. After LDG.
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=36.0.

ISC XII 28 01 02 37.6–.39 44.54N–.03 10.41E–.04 27–3 60 0-5
CSEM XII 28 01 02 36.9–.18 44.55N 10.48E 26–1 2.2L **¶11593928**
ISCJB XII 28 01 02 37.0–.39 44.54N–.03 10.37E–.05 29–3 2.2L
ROM XII 28 01 02 37.0–.40 44.52N 10.44E 28–5 2.5L,2.3

LDG XII 28 01 02 38.5–.26 44.51N 10.46E 20–0 2.3L,2.3
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=94.0.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=30.8.
ROM Event type ke. Error ellipse: s-maj=14.0km s-min=4.5km az=70.0.
LDG Event type ke. Error ellipse: s-maj=6.7km s-min=5.0km az=92.0.
ISC XII 29 18 24 40.7–.29 46.49N–.02 10.57E–.03 4–5 98 0-3
ISCJB XII 29 18 24 40.0–.28 46.49N–.02 10.56E–.02 10 **¶12079428**
VIE XII 29 18 24 40.0–.19 46.48N 10.56E 10–1 2.2L,2.0b
ROM XII 29 18 24 40.3–.12 46.49N 10.54E 10–1 2.1,2.0L
CSEM XII 29 18 24 40.2–.08 46.49N 10.57E 5 2.9L,2.0L
ZUR XII 29 18 24 40.3 46.46N 10.52E 10–3 2.1L,2.0L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=28.8.
VIE Error ellipse: s-maj=1.6km s-min=1.2km az=179.0. 14 km E of Bormio .
ROM Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=153.0.
CSEM Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=22.0.
ROM XII 29 19 45 52.7–.13 44.57N 10.33E 24–2 2.6L,2.5
CSEM XII 29 19 45 52.8–.17 44.61N 10.33E 20 2.6L,2.5 **¶11593954**
LDG XII 29 19 45 53.0–.20 44.57N 10.53E 20–0 2.7L,2.5
NEIC XII 29 19 45 54.1–.81 44.66N 10.12E 10 2.7L,2.5
ROM Event type ke. Error ellipse: s-maj=2.7km s-min=2.4km az=66.0.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.5km az=179.0.
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=4.0km az=118.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.8km az=146.0.
ISC XII 31 12 07 26.7–.52 44.56N–.04 10.51E–.09 20–7 32 0-3
CSEM XII 31 12 07 25.8–.26 44.64N 10.65E 2 2.8L **¶13900449**
ISCJB XII 31 12 07 26.4–.54 44.55N–.04 10.53E–.09 23–7 2.8L
ROM XII 31 12 07 26.0–.15 44.57N 10.50E 21–2 2.2L,2.1
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=93.0.
ISCJB Event type ke. Error ellipse: s-maj=11.2km s-min=5.5km az=160.1.
ROM Event type ke. Error ellipse: s-maj=4.3km s-min=1.9km az=86.0.
ROM XII 31 19 46 45.0–.21 46.39N 10.83E 4–3 2.1,1.6L
CSEM XII 31 19 46 45.5–.05 46.40N 10.86E 15 2.4L,1.6L **¶13813614**
VIE XII 31 19 46 46.3–.29 46.43N 10.89E 8–7 1.9L,1.3b
ROM Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=9.0.
CSEM Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=19.0.
VIE Error ellipse: s-maj=1.5km s-min=1.2km az=14.0. 6 km S of St.Gertraud .

(546) Austria.

ISC VII 06 12 57 08.6–.28 46.12N–.02 13.60E–.02 15–3 154 0-2
LJU VII 06 12 57 07.7 46.11N 13.59E 19 2.1L **¶12921786**
ROM VII 06 12 57 07.5–.23 46.13N 13.64E 10–0 2.7,1.9L
ISCJB VII 06 12 57 08.4–.23 46.11N–.02 13.60E–.02 10 2.7,1.9L
VIE VII 06 12 57 08.3–.10 46.14N 13.63E 12–1 2.4L,1.6b
CSEM VII 06 12 57 08.3–.09 46.12N 13.59E 15 2.6L,1.6b
ISC Event type ke.
ROM Event type ke. Error ellipse: s-maj=4.8km s-min=1.2km az=59.0.
ISCJB Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=23.7.
VIE Error ellipse: s-maj=0.9km s-min=0.8km az=49.0. 10 km SW of Tolmin .
CSEM Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=22.0.
ISC VII 17 09 47 35.3–.46 47.56N–.03 13.17E–.04 0 39 0-2
ISCJB VII 17 09 47 34.1–.46 47.58N–.03 13.15E–.04 0 **¶11382209**
CSEM VII 17 09 47 34.8–.18 47.56N 13.17E 1 2.5L
VIE VII 17 09 47 34.7–.18 47.57N 13.15E 1–0 2.0L,1.5b
BGR VII 17 09 47 36.9–.38 47.55N 13.34E 10 1.7L,1.5b
ISC Event type sr.
ISCJB Event type sr. Error ellipse: s-maj=4.3km s-min=3.1km az=141.2.
CSEM Event type sr. Error ellipse: s-maj=4.1km s-min=2.9km az=136.0. Suspected Mining induced.
VIE Event type sr. Error ellipse: s-maj=1.7km s-min=1.2km az=131.0. 4 km SSW of Golling . Suspected Mining induced.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=5.6km az=106.0.
ISC VII 18 22 54 04.3–.18 47.502N–.01 13.75E–.01 3–1 3.6b 582 0-85
ISCJB VII 18 22 54 02.6–.20 47.513N–.01 13.72E–.01 1–1 3.7b **¶11133648**
PRU VII 18 22 54 03.9 47.47N 13.82E 0 3.7b
STR VII 18 22 54 03.7–.23 47.43N 13.90E 10–0 3.6L
VIE VII 18 22 54 03.4–.16 47.49N 13.74E 9–3 3.8L,2.9b
CSEM VII 18 22 54 04.2–.06 47.49N 13.78E 2 4.1L,2.9b
IPEC VII 18 22 54 04.4–.08 47.45N 13.84E 5–0 3.4L,2.9b
IDC VII 18 22 54 04.6–2.7 47.34N 14.16E 0 3.8,3.7b
NEIC VII 18 22 54 05.2–.20 47.46N 13.79E 10 4.1L,3.8L
BGR VII 18 22 54 05.5–.26 47.50N 13.78E 5 3.8L,3.8L
LDG VII 18 22 54 07.5–.09 47.45N 13.78E 10–0 3.6L,3.8L
BNS VII 18 22 54 11.0–.61 47.68N 13.49E 10 3.5L,3.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.5km s-min=1.4km az=171.5.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
VIE Event type fe. Error ellipse: s-maj=1.2km s-min=0.9km az=4.0. 9 km SSE of Obertraun . felt 5 ems98 at Ramsau am Dachstein / STYRIA.
CSEM Event type ke. Error ellipse: s-maj=1.3km s-min=1.3km az=98.0.
IPEC Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=106.0.
IDC Error ellipse: s-maj=54.7km s-min=9.2km az=149.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.4km az=185.0.
BGR Event type fe. Error ellipse: s-maj=4.4km s-min=3.3km az=92.0. Felt in Ennstal and Salzkammergut.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=32.0.
BNS Event type ke.
ISC VII 19 23 30 07.1–.21 47.09N–.01 10.15E–.01 7–2 269 0-5
ISCJB VII 19 23 30 06.1–.24 47.10N–.01 10.15E–.02 5–2 **¶11163196**
NEIC VII 19 23 30 07.4 47.10N 10.18E 3 2.6L,2.6L
ZUR VII 19 23 30 07.3 47.11N 10.18E 3–1 2.5L,2.6L
VIE VII 19 23 30 07.1–.08 47.11N 10.19E 8–1 2.5L,1.5b
CSEM VII 19 23 30 07.2–.07 47.09N 10.18E 10 2.8L,1.5b
PRU VII 19 23 30 08.8 47.23N 10.18E 8 2.8L,1.5b
ROM VII 19 23 30 08.8–.38 47.02N 10.12E 10–0 2.7,1.8L
BGR VII 19 23 30 09.4–.52 47.18N 10.17E 10 2.3L,1.8L
LDG VII 19 23 30 09.1–.11 47.07N 10.14E 10–0 2.6L,1.8L
STR VII 19 23 30 11.4–.35 47.12N 9.94E 10–0 2.6L,1.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=1.8km az=16.0.
NEIC Event type se. After ZUR.
VIE Event type fe. Error ellipse: s-maj=0.6km s-min=0.5km az=173.0. 3 km SSW of Sankt Christoph am Arlberg . felt 4 ems98 at Sankt Anton am Arlberg / TYROL.
CSEM Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=10.0.
ROM Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=167.0.
BGR Event type fe. Error ellipse: s-maj=11.1km s-min=4.4km az=12.0. Felt in St. Anton.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=104.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC VIII 04 20 07 31.2–.58 46.48N–.04 13.04E–.04 10 16 0-1
¶15206805
ISC VIII 09 00 43 02.4–1.5 48.20N–.04 13.3E–.20 18–18 20 1-3
VIE VIII 09 00 43 01.9–.36 48.14N 13.20E 11–5 2.5L,1.9b **¶11308490**
CSEM VIII 09 00 43 02.0–.12 48.18N 13.18E 10 2.7L,1.9b
PRU VIII 09 00 43 05.0 48.21N 13.79E 0 2.7L,1.9b
ISC Event type ke.
VIE Error ellipse: s-maj=4.8km s-min=2.5km az=66.0. 5 km NE of Mattighofen .
CSEM Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=135.0.
ISC VIII 12 10 48 27.3–.35 48.13N–.02 13.22E–.05 10 70 0-3
ISCJB VIII 12 10 48 26.6–.36 48.16N–.02 13.23E–.05 10 **¶11308554**
VIE VIII 12 10 48 27.2–.55 48.16N 13.27E 10–0 2.8L,2.4b
PRU VIII 12 10 48 27.9 48.14N 13.63E 0 2.8L,2.4b
BGR VIII 12 10 48 28.1–.26 48.12N 13.17E 10 2.3L,2.4b
CSEM VIII 12 10 48 28.4–.16 48.17N 13.34E 26–1 3.4L,2.4b
IPEC VIII 12 10 48 28.3–.45 48.15N 13.22E 29–2 2.1L,2.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=2.7km az=5.4.
VIE Error ellipse: s-maj=6.5km s-min=3.9km az=94.0. 11 km NE of Mattighofen .
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=92.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.5km az=94.0.
IPEC Event type ke. Error ellipse: s-maj=5.9km s-min=1.3km az=60.0.

ISC VIII 12 17 25 46.1–.14 48.16N–.01 13.31E–.02 10 535 1-65
ISCJB VIII 12 17 25 45.3–.15 48.17N–.01 13.28E–.02 10 **¶11169814**
VIE VIII 12 17 25 46.7–.36 48.22N 13.30E 10–0 3.7L,2.8b
NEIC VIII 12 17 25 46.3–.26 48.10N 13.28E 10 3.8L,3.4L
ROM VIII 12 17 25 47.9–.42 48.13N 13.31E 23–2 3.1,2.8L
IPEC VIII 12 17 25 47.8–.10 48.13N 13.20E 31–1 3.2L,2.8L
CSEM VIII 12 17 25 48.1–.16 48.15N 13.32E 26–1 3.5L,2.8L
BGR VIII 12 17 25 48.0–.24 48.12N 13.22E 10 3.4L,2.8L
PRU VIII 12 17 25 48.0 48.16N 13.38E 29 3.4L,2.8L
LDG VIII 12 17 25 49.5–.16 47.99N 13.31E 25–0 3.8L,2.8L
STR VIII 12 17 25 55.6–.44 48.24N 13.29E 10–0 3.4L,2.8L
BNS VIII 12 17 25 55.5–.36 48.49N 12.89E 15 3.5L,2.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=1.7km s-min=1.5km az=10.1.
VIE Event type fe. Error ellipse: s-maj=4.1km s-min=3.2km az=115.0. 14 km W of Ried im Innkreis . felt 4 ems98 in the region of Ried im Innkreis / UPPER AUSTRIA.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=3.3km az=179.0.
ROM Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=170.0.
IPEC Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=153.0.
BGR Event type fe. Error ellipse: s-maj=4.4km s-min=3.3km az=60.0. Felt.
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=2.2km az=25.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
BNS Event type ke.
ISC VIII 13 14 03 55.4–.40 48.14N–.02 13.19E–.05 10 59 0-3
ISCJB VIII 13 14 03 54.6–.40 48.15N–.02 13.22E–.05 10 **¶11308571**
VIE VIII 13 14 03 54.9–.79 48.15N 13.29E 10–0 2.8L,2.0b
PRU VIII 13 14 03 54.7 48.09N 13.64E 0 2.8L,2.0b
BGR VIII 13 14 03 55.4–.32 48.12N 13.14E 10 2.3L,2.0b
CSEM VIII 13 14 03 56.0–.18 48.18N 13.35E 32–3 2.8L,2.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.0km s-min=2.8km az=15.4.
VIE Error ellipse: s-maj=7.9km s-min=6.0km az=114.0. 11 km ENE of Mattighofen .
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=99.0.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=103.0.
ISC VIII 17 10 51 07.4–.48 46.40N–.03 13.01E–.04 10 25 0-1
¶15206863
ISC VIII 17 19 07 00.2–.29 47.27N–.01 14.36E–.03 10 96 1-4
ISCJB VIII 17 19 06 58.3–.31 47.31N–.01 14.36E–.03 10 **¶11308634**
CSEM VIII 17 19 07 00.1–.10 47.27N 14.35E 2 2.8L
IPEC VIII 17 19 07 00.4–.15 47.21N 14.39E 8–1 1.6L
VIE VIII 17 19 07 00.1–.41 47.21N 14.36E 5–34 2.2L,1.4b
BGR VIII 17 19 07 00.8–.40 47.26N 14.39E 5 2.2L,1.4b
PRU VIII 17 19 07 02.5 47.34N 14.44E 0 2.2,1.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.8km s-min=1.8km az=170.0.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=90.0.
IPEC Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=165.0.
VIE Event type fe. Error ellipse: s-maj=1.8km s-min=1.3km az=16.0. 7 km W of Unzmarkt . felt 3 ems98 at Scheifling / STYRIA.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=26.0.
ISC VIII 19 09 55 54.3–.33 46.35N–.02 13.16E–.02 10–4 114 0-2
ISCJB VIII 19 09 55 53.4–.36 46.35N–.02 13.16E–.02 15–3 **¶13657632**
CSEM VIII 19 09 55 53.8–.08 46.34N 13.16E 10 2.6L
VIE VIII 19 09 55 53.4–.20 46.33N 13.14E 10–5 2.2L,1.4b
ROM VIII 19 09 55 54.1–.17 46.49N 13.23E 10–0 2.5,1.8L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=25.2.
CSEM Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=26.0.
VIE Error ellipse: s-maj=1.3km s-min=0.8km az=21.0. 1 km SSW of Venzone .
ROM Event type ke. Error ellipse: s-maj=3.6km s-min=0.7km az=14.0.
ISC IX 02 10 48 55.7–.92 46.30N–.03 13.16E–.04 14–6 26 0-1
¶15250300
VIE IX 10 13 23 26.1–.43 47.35N 11.02E 9–3 1.9L
CSEM IX 10 13 23 26.1 47.35N 11.02E 9 1.9L **¶13828617**
VIE Error ellipse: s-maj=2.4km s-min=1.4km az=58.0. 5 km NW of Telfs .
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ZAMG.
ISC IX 10 13 24 49.4–.25 47.40N–.02 11.02E–.02 10–2 165 0-6
ZUR IX 10 13 24 48.8 47.31N 11.07E 1–0 2.4L **¶13828623**
ISCJB IX 10 13 24 48.4–.27 47.43N–.02 11.01E–.02 9–2 2.4L
CSEM IX 10 13 24 49.1–.12 47.37N 11.03E 10 2.8L
VIE IX 10 13 24 49.4–.16 47.34N 11.02E 9–1 2.8L,2.0b
BGR IX 10 13 24 50.9–.29 47.39N 11.06E 10 2.7L,2.0b
LDG IX 10 13 24 50.2–.09 47.36N 11.06E 2–0 2.8L,2.0b
NEIC IX 10 13 24 50.9 47.39N 11.06E 10 2.8L,2.7L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.4km az=175.1.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=169.0.
VIE Event type fe. Error ellipse: s-maj=1.3km s-min=0.9km az=8.0. 5 km NW of Telfs . felt 4-5 ems98 at Telfs / TYROL.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=2.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.3km az=158.0.
NEIC Event type se. After SZGRF.
ISC IX 10 13 33 34.9–.25 47.41N–.02 11.03E–.02 11–2 189 0-6
ISCJB IX 10 13 33 33.6–.26 47.47N–.02 11.00E–.02 5–3 **¶11302691**
CSEM IX 10 13 33 34.7–.12 47.40N 11.03E 10 2.9L
PRU IX 10 13 33 35.5 47.40N 11.08E 0 2.9L
VIE IX 10 13 33 35.1–.12 47.34N 11.02E 9–1 2.7L,2.0b
ZUR IX 10 13 33 35.0 47.35N 11.03E 10–0 2.5L,2.0b
BGR IX 10 13 33 35.9–.29 47.40N 11.06E 10 2.6L,2.0b
LDG IX 10 13 33 35.4–.08 47.34N 11.02E 3–0 2.9L,2.0b
NEIC IX 10 13 33 36.0 47.40N 11.10E 10 2.9L,2.8L
STR IX 10 13 33 39.4–.63 47.39N 10.72E 10–0 2.8L,2.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.9km s-min=2.1km az=6.6.
CSEM Event type ke.
VIE Event type fe. Error ellipse: s-maj=1.0km s-min=0.7km az=3.0. 5 km NW of Telfs . felt 4-5 ems98 at Telfs / TYROL.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=14.0.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=175.0.
NEIC Event type se. After SZGRF.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
ISC IX 10 13 57 26.5–.23 47.42N–.02 11.03E–.02 9–2 215 0-6
ISCJB IX 10 13 57 25.1–.29 47.48N–.01 11.05E–.02 0–3 **¶13828660**
ZUR IX 10 13 57 26.3 47.35N 11.03E 10–0 2.7L
VIE IX 10 13 57 26.3–.13 47.35N 11.02E 10–1 3.0L,2.2b
CSEM IX 10 13 57 26.3–.14 47.40N 11.03E 10 3.1L,2.2b
LDG IX 10 13 57 26.8–.09 47.34N 11.04E 2–0 3.1L,2.2b
NEIC IX 10 13 57 27.0 47.40N 11.00E 10 3.1L,2.8L
BGR IX 10 13 57 27.5–.27 47.38N 11.05E 10 2.8L,2.8L
STR IX 10 13 57 29.8–1.5 47.84N 11.19E 10–0 2.9L,2.8L
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=2.6km s-min=2.2km az=20.6.
VIE Event type fe. Error ellipse: s-maj=1.1km s-min=0.7km az=0.0. 6 km NW of Telfs . felt 4-5 ems98 at Telfs / TYROL.
CSEM Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=178.0.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=168.0.
NEIC Event type se. After SZGRF.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=15.0.
STR Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.
VIE IX 10 19 30 18.9–.48 47.34N 11.02E 8–4 1.5L,0.5b
¶13828729
VIE Error ellipse: s-maj=2.7km s-min=1.6km az=58.0. 6 km NW of Telfs .
VIE IX 12 07 18 50.4–.40 47.34N 11.01E 6–3 1.6L
CSEM IX 12 07 18 50.4 47.34N 11.01E 6 1.6L **¶13828836**
VIE Error ellipse: s-maj=2.4km s-min=1.4km az=59.0. 6 km NW of Telfs .
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After ZAMG.
ISC IX 17 22 10 39.4–.19 47.078N–.01 11.38E–.01 4–2 402 0-8
ISCJB IX 17 22 10 37.9–.20 47.095N–.01 11.38E–.01 2–2 **¶11282268**
VIE IX 17 22 10 38.9–.32 47.05N 11.34E 11–4 3.1L,2.0b
ROM IX 17 22 10 39.8–.27 47.02N 11.34E 10–0 2.8,2.0b

CSEM	IX	17 22 10 39.4–.08	47.08N	11.39E	2	2.9L,2.0b	
NEIC	IX	17 22 10 39.5	47.06N	11.31E	5	2.8L,2.4L	
ZUR	IX	17 22 10 39.5	47.06N	11.31E	5–2	2.4L,2.4L	
BGR	IX	17 22 10 40.6–.34	47.03N	11.43E	10	2.8L,2.4L	
LDG	IX	17 22 10 41.5–.10	47.18N	11.55E	10–0	2.9L,2.4L	
PRU	IX	17 22 10 41.1	47.10N	11.44E	7	2.9L,2.4L	
ISC		Event type fe.					
ISCJB		Event type fe. Error ellipse: s-maj=1.7km s-min=1.6km az=19.8.					
VIE		Event type fe. Error ellipse: s-maj=1.3km s-min=1.2km az=75.0. 11 km WSW of Steinach a. Brenner . felt 4 ems98 at Gschnitz / TYROL.					
ROM		Event type ke. Error ellipse: s-maj=4.0km s-min=2.2km az=175.0.					
CSEM		Event type ke. Error ellipse: s-maj=1.9km s-min=1.6km az=17.0.					
NEIC		Event type se. After ZUR.					
BGR		Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=15.0.					
LDG		Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=16.0.					
LJU	**X**	**09 22 14 17.3**	**46.35N**	**13.41E**	**12**	**0.6L**	**¶13829599**
LJU	**X**	**10 01 18 48.9**	**46.12N**	**13.61E**	**14**	**0.0L**	**¶13829638**
ISC	**X**	**12 21 52 57.2–1.1**	**46.36N–.04**	**13.03E–.05**	**13–8**		**19 0-1 ¶15670377**
ISC	**X**	**14 05 21 22.3–.40**	**47.90N–.02**	**16.27E–.03**	**6–3**		**56 0-3**
ISCJB	X	14 05 21 21.6–.41	47.90N–.02	16.26E–.03	5–4		**¶13829781**
VIE	X	14 05 21 21.8–.16	47.89N	16.29E	8–1	2.6L,2.1b	
IPEC	X	14 05 21 22.4–.13	47.88N	16.28E	13–1	2.3L,2.1b	
CSEM	X	14 05 21 22.0–.11	47.90N	16.25E	5	2.9L,2.1b	
ISC		Event type fe.					
ISCJB		Event type fe. Error ellipse: s-maj=4.1km s-min=3.0km az=149.7.					
VIE		Event type fe. Error ellipse: s-maj=1.3km s-min=1.1km az=81.0. 3 km ESE of Sollenau . felt 4 ems98 at Sollenau / LOWER AUSTRIA.					
IPEC		Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=132.0.					
CSEM		Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=148.0.					
ISC	**X**	**14 17 41 15.2–.44**	**46.20N–.03**	**13.53E–.02**	**15–4**		**82 0-2**
CSEM	X	14 17 41 14.2–.17	46.19N	13.51E	20	2.6L	**¶13829771**
ROM	X	14 17 41 14.6–.29	46.20N	13.53E	10–0	2.2,1.6L	
LJU	X	14 17 41 14.6	46.19N	13.53E	17	1.8L,1.6L	
ISCJB	X	14 17 41 15.1–.26	46.20N–.02	13.55E–.02	10	1.8L,1.6L	
ISC		Event type ke.					
CSEM		Event type ke.					
ROM		Event type ke.					
ISCJB		Event type ke.					
ISC	**X**	**28 05 20 06.3–1.2**	**46.34N–.03**	**13.18E–.06**	**12–8**		**26 0-1 ¶15670483**
VIE	**X**	**29 11 39 02.9–.30**	**47.05N**	**11.37E**	**11–4**	**2.5L,1.6b**	
CSEM	X	29 11 39 02.6–.23	47.01N	11.37E	10	2.5L,1.6b	**¶12071454**
BGR	X	29 11 39 02.9–.57	46.93N	11.40E	10	2.1L,1.6b	
ZUR	X	29 11 39 03.3	47.06N	11.35E	8–2	2.0L,1.6b	
VIE		Event type fe. Error ellipse: s-maj=1.7km s-min=1.5km az=8.0. 9 km W of Gries am Brenner . felt 3-4 ems98 at Gschnitz / TYROL.					
CSEM		Event type ke. Error ellipse: s-maj=5.9km s-min=2.6km az=174.0.					
BGR		Event type ke. Error ellipse: s-maj=8.9km s-min=4.4km az=3.0. felt.					
ISC	**X**	**31 15 12 24.8–.20**	**46.33N–.01**	**13.63E–.02**	**2–5**		**154 0-5**
ISCJB	X	31 15 12 23.8–.22	46.35N–.01	13.63E–.02	8–4		**¶11391058**
CSEM	X	31 15 12 24.1–.16	46.34N	13.63E	2	2.9L	
LJU	X	31 15 12 24.1	46.34N	13.63E	7	2.0L	
VIE	X	31 15 12 24.2–.25	46.34N	13.64E	8–5	2.5L,2.0b	
PRU	X	31 15 12 25.0	46.27N	13.64E	4	2.5L,2.0b	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=2.4km s-min=1.6km az=28.1.					
CSEM		Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=34.0.					
VIE		Error ellipse: s-maj=1.5km s-min=1.1km az=79.0. 6 km E of Bovec .					
ISC	**XI**	**17 12 02 08.1–.75**	**47.70N–.04**	**16.26E–.05**	**5–7**		**25 0-2**
ISCJB	XI	17 12 02 07.2–.77	47.70N–.04	16.27E–.05	1–8		**¶13836660**
IPEC	XI	17 12 02 08.5–1.8	47.70N	16.26E	10	1.8L	
CSEM	XI	17 12 02 08.2–.21	47.71N	16.23E	2	2.5L	
VIE	XI	17 12 02 08.2–.25	47.69N	16.20E	14–2	2.1L,1.3b	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=8.0km s-min=4.6km az=148.9.					
IPEC		Event type ke. Error ellipse: s-maj=18.9km s-min=7.9km az=128.0.					
CSEM		Event type ke. Error ellipse: s-maj=4.8km s-min=2.8km az=147.0.					
VIE		Error ellipse: s-maj=2.5km s-min=1.7km az=171.0. 10 km ESE of Neunkirchen .					
ISC	**XII**	**07 02 47 40.7–.25**	**47.80N–.01**	**16.14E–.01**	**8–1**	**3.3b**	**552 0-37**
CSEM	XII	07 02 47 40.9–.09	47.77N	16.14E	10	4.2L	**¶11493358**
NEIC	XII	07 02 47 40.8–.53	47.83N	16.08E	10	3.9L	
LDG	XII	07 02 47 41.0–.04	47.75N	16.28E	12–0	3.6L	
IPEC	XII	07 02 47 41.1–.08	47.77N	16.21E	14–0	3.5L	
IDC	XII	07 02 47 41.1–1.4	47.86N	16.08E	0	3.5,3.5	
VIE	XII	07 02 47 41.3–.27	47.73N	16.13E	10–2	3.8L,3.3b	
BGR	XII	07 02 47 43.9–.41	47.80N	16.07E	10	3.9L,3.3b	
PRU	XII	07 02 47 43.5	47.90N	16.09E	17	3.9L,3.3b	
STR	XII	07 02 47 50.5–.66	47.88N	15.13E	5–0	3.6L,3.3b	
ISC		Event type fe.					
CSEM		Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=173.0.					
NEIC		Event type se. Error ellipse: s-maj=8.1km s-min=5.5km az=150.0.					
LDG		Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=177.0.					
IPEC		Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=130.0.					
IDC		Error ellipse: s-maj=15.1km s-min=10.4km az=145.0.					
VIE		Event type fe. Error ellipse: s-maj=2.8km s-min=1.8km az=136.0. 4 km ENE of Neunkirchen . felt 5 ems98 at Neunkirchen / LOWER AUSTRIA.					
BGR		Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=90.0.					
STR		Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=0.0.					
ISC	**XII**	**09 04 49 23.9–.60**	**46.43N–.04**	**13.13E–.05**	**10**		**13 0-1 ¶15698491**
LJU	**XII**	**28 07 18 33.3**	**46.29N**	**13.27E**	**11**	**1.4L**	**¶13813465**

(547) Czech and Slovak Republics.

ISC	**VIII**	**06 11 17 32.9–.66**	**49.81N–.04**	**17.85E–.07**	**0**		**11 1-2 ¶15206817**
ISC	**IX**	**23 22 42 09.6–.30**	**48.97N–.02**	**18.57E–.02**	**10**		**76 0-4**
ISCJB	IX	23 22 42 08.7–.32	49.00N–.02	18.51E–.02	10		**¶11302877**
VIE	IX	23 22 42 08.7–.41	48.83N	18.46E	5–0	2.2L,1.7b	
IPEC	IX	23 22 42 09.0–.09	48.96N	18.62E	2–1	2.1L,1.7b	
CSEM	IX	23 22 42 09.2–.13	48.97N	18.58E	2	2.9L,1.7b	
PRU	IX	23 22 42 10.0	48.96N	18.57E	0	2.9L,1.7b	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=7.4.					
VIE		Error ellipse: s-maj=3.3km s-min=2.5km az=54.0. 48 km SSW of Zilina .					
IPEC		Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=30.0.					
CSEM		Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=8.0.					
PRU		Event type ke. Tectonic Event Near Zilina.					
ISC	**X**	**12 08 57 05.1–.66**	**49.69N–.03**	**17.12E–.04**	**11–12**		**25 0-2**
ISCJB	X	12 08 57 04.6–.58	49.70N–.03	17.09E–.04	5–15		**¶11369944**
IPEC	X	12 08 57 05.6–.13	49.69N	17.14E	2–1	1.7L	
CSEM	X	12 08 57 05.3–.11	49.70N	17.11E	10	2.6L	
PRU	X	12 08 57 06.6	49.70N	17.08E	0	1.7	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=4.9km s-min=4.5km az=151.0.					
IPEC		Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=130.0.					
CSEM		Event type ke. Error ellipse: s-maj=2.0km s-min=1.9km az=174.0.					
PRU		Event type ke. Tectonic Event N Moravia.					

(548) Poland.

ISC	**VII**	**14 14 31 24.7–.55**	**51.25N–.03**	**19.14E–.04**	**0**		**105 1-19**
CSEM	VII	14 14 31 24.5–.33	51.30N	19.15E	1	2.8L	**¶11342183**
NEIC	VII	14 14 31 24.6–.75	51.31N	19.16E	5	2.8L	
ISCJB	VII	14 14 31 26.0–.70	51.11N–.04	19.00E–.04	0	2.8L	
IDC	VII	14 14 31 26.3–.99	51.18N	19.45E	0	3.4,3.4	
VIE	VII	14 14 31 27.0–.72	49.82N	20.14E	0–0	2.9L,2.5b	
PRU	VII	14 14 31 27.5	51.13N	19.12E	0	2.9L,2.5b	
ISC		Event type sr.					
CSEM		Event type sr. Error ellipse: s-maj=6.6km s-min=5.5km az=44.0. Suspected Mining induced.					
NEIC		Event type se. Error ellipse: s-maj=11.5km s-min=8.0km az=90.0.					
ISCJB		Event type sr. Error ellipse: s-maj=5.5km s-min=2.9km az=26.5.					
IDC		Error ellipse: s-maj=15.8km s-min=7.9km az=115.0.					
VIE		Event type sr. Error ellipse: s-maj=7.4km s-min=4.3km az=179.0. 33 km SSE of Krakow . Suspected Mining induced.					
ISC	**VIII**	**27 10 09 20.4–.89**	**49.19N–.06**	**19.70E–.07**	**0**		**11 0-1 ¶15206918**
IDC	**XII**	**09 09 34 36.8–.80**	**54.61N**	**19.27E**	**0**	**3.4,3.3L**	**¶15686524**
IDC		Error ellipse: s-maj=15.3km s-min=10.4km az=84.0.					
IDC	**XII**	**09 09 34 46.9–.98**	**54.61N**	**19.39E**	**0**	**3.5,3.4L**	**¶13402319**
IDC		Error ellipse: s-maj=15.3km s-min=11.4km az=80.0.					
IDC	**XII**	**09 09 34 55.9–1.9**	**54.63N**	**19.41E**	**0**	**3.6,3.5L**	**¶12076511**
IDC		Error ellipse: s-maj=34.1km s-min=13.7km az=46.0.					
IDC	**XII**	**09 09 42 08.3–1.9**	**54.61N**	**19.36E**	**0**	**3.6,3.5**	**¶12076518**
IDC		Error ellipse: s-maj=33.4km s-min=13.5km az=47.0.					
IDC	**XII**	**09 09 42 41.7–1.9**	**54.74N**	**19.20E**	**0**	**3.6,3.6**	**¶12076519**
IDC		Error ellipse: s-maj=35.6km s-min=14.2km az=46.0.					
PRU	**XII**	**31 19 46 00.8**	**50.34N**	**16.06E**	**0**		
CSEM	XII	31 19 45 52.7–.48	50.10N	15.51E	5		**¶11526762**
PRU		Hronov.					
CSEM		Event type ke. Error ellipse: s-maj=50.7km s-min=8.5km az=135.0.					

(549) Hungary.

ISC	**VII**	**11 20 25 38.0–.00**	**46.03N–.05**	**20.90E–.05**	**3–11**		**34 1-2**
ISCJB	VII	11 20 25 37.8–.62	45.99N–.04	20.84E–.04	10		**¶11746977**
CSEM	VII	11 20 25 37.9–.35	46.03N	20.92E	2	1.9L	
BUC	VII	11 20 25 38.6–1.2	46.07N	21.01E	10–0	2.7	
BEO	VII	11 20 25 38.9–.63	46.01N	20.91E	9–7	1.9L	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=5.4km s-min=3.5km az=165.8.					
CSEM		Event type ke. Error ellipse: s-maj=8.2km s-min=5.5km az=162.0.					
BUC		Event type se. Error ellipse: s-maj=25.5km s-min=11.6km az=8.0.					
ISC	**X**	**20 18 17 16.1–.62**	**48.83N–.05**	**21.72E–.04**	**10–6**		**17 0-3 ¶15670434**
ISC	**XI**	**11 05 56 21.3–.66**	**46.74N–.03**	**20.94E–.04**	**13–5**		**63 1-4**
ISCJB	XI	11 05 56 20.4–.65	46.74N–.03	20.93E–.04	11–5		**¶11750419**
CSEM	XI	11 05 56 21.3–.21	46.77N	20.99E	12	2.7L	
BEO	XI	11 05 56 23.0–.94	46.60N	20.79E	22–5	2.5L	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=37.0.					
CSEM		Event type ke. Error ellipse: s-maj=5.3km s-min=4.5km az=45.0.					
ISC	**XI**	**13 07 47 30.3–.40**	**46.72N–.01**	**20.79E–.02**	**19–2**		**153 1-7**
BEO	XI	13 07 47 29.0–.46	46.71N	20.92E	8–3	3.1L	**¶11750516**
CSEM	XI	13 07 47 29.1–.12	46.76N	20.85E	10	3.7L	
PRU	XI	13 07 47 32.3	46.91N	20.82E	14	3.7L	
VIE	XI	13 07 47 33.5–.45	46.93N	20.48E	9–1	2.8L,2.6b	
ISC		Event type ke.					
CSEM		Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=43.0.					
VIE		Error ellipse: s-maj=3.1km s-min=1.8km az=111.0. 79 km NNE of Szeged .					
ISC	**XI**	**13 12 50 22.0–.46**	**46.74N–.02**	**20.86E–.03**	**14–3**		**107 1-5**
ISCJB	XI	13 12 50 20.7–.43	46.71N–.02	20.85E–.03	10–3		**¶11750541**
CSEM	XI	13 12 50 21.7–.13	46.74N	20.86E	10	3.5L	
BEO	XI	13 12 50 21.0–.50	46.78N	20.89E	18–4	3.0L	
VIE	XI	13 12 50 23.3–.77	46.81N	20.72E	12–2	2.8L,2.6b	
PRU	XI	13 12 50 24.2	46.86N	20.77E	12	2.8L,2.6b	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=139.0.					
CSEM		Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=44.0.					
VIE		Error ellipse: s-maj=4.5km s-min=3.0km az=112.0. 75 km NE of Szeged .					
ISC	**XII**	**19 03 40 51.8–.51**	**47.29N–.03**	**18.39E–.03**	**18–4**		**46 0-4**
PRU	XII	19 03 40 49.6	47.30N	18.31E	0		**¶11517207**
ISCJB	XII	19 03 40 50.7–.52	47.29N–.03	18.37E–.03	14–4		
VIE	XII	19 03 40 50.4–.16	47.29N	18.40E	9–2	2.0L,1.9b	
CSEM	XII	19 03 40 51.7–.16	47.31N	18.40E	15	2.5L,1.9b	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=11.5.					
VIE		Error ellipse: s-maj=1.6km s-min=1.2km az=163.0. 54 km SSE of Komarom .					
CSEM		Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=9.0.					

SEISMIC REGION 37.
Africa.

(553) Egypt.

SGS	**VIII**	**10 20 45 01.7**	**29.71N**	**34.96E**	**13**		
CSEM	VIII	10 20 45 02.4–.18	29.64N	35.03E	26–1	2.7L	**¶12788855**
CSEM		Event type ke. Error ellipse: s-maj=5.1km s-min=2.9km az=111.0.					
ISC	**VIII**	**29 03 04 08.2–.89**	**29.16N–.02**	**34.71E–.08**	**3–5**		**31 0-2**
ISCJB	VIII	29 03 04 07.7–.85	29.16N–.02	34.73E–.08	2–5		**¶12788994**
CSEM	VIII	29 03 04 08.3–.56	29.18N	34.78E	10	2.8L	
SGS	VIII	29 03 04 09.7	29.10N	34.83E	4	2.8L	
GII	VIII	29 03 04 09.9–1.2	29.36N	34.69E	1–0	2.5,2.3	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=12.1km s-min=3.6km az=170.9.					
CSEM		Event type ke. Error ellipse: s-maj=12.6km s-min=4.8km az=108.0.					
GII		Event type ke.					
SGS	**IX**	**25 02 37 40.5**	**28.94N**	**34.76E**	**17**		
CSEM	IX	25 02 37 42.0–.47	28.89N	34.82E	8	2.5L	**¶12789544**
CSEM		Event type ke. Error ellipse: s-maj=11.0km s-min=5.1km az=95.0.					
SGS	**X**	**12 12 56 06.2**	**29.72N**	**34.75E**	**3**		
CSEM	X	12 12 56 06.2	29.72N	34.75E	3	2.6L	**¶12789702**
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After SNSN.					

(554) Red Sea.

ISC	**VII**	**20 17 03 49.0–.92**	**21.1N–.10**	**38.21E–.06**	**10**		**30 1-7**
ISCJB	VII	20 17 03 47.5–.93	21.1N–.10	38.17E–.06	10		**¶13539351**
CSEM	VII	20 17 03 48.1–.36	21.13N	38.22E	2	3.3L	
SGS	VII	20 17 03 51.1	20.77N	38.19E	30	3.3L	
HLW	VII	20 17 03 52.6	21.27N	38.03E	14–21	3.4L,3.4	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=18.5km s-min=4.3km az=20.9.					
CSEM		Event type ke. Error ellipse: s-maj=17.3km s-min=3.7km az=22.0.					
IDC	**VII**	**22 12 00 41.8–6.8**	**16.44N**	**40.94E**	**0**	**3.8b,3.8**	**¶12698385**
IDC		Error ellipse: s-maj=285.0km s-min=26.2km az=156.0.					
ISC	**IX**	**13 10 45 39.8–1.6**	**21.0N–.10**	**38.47E–.08**	**10**	**3.6b,3.6s**	**14 1-60**
ISCJB	IX	13 10 45 37.8–1.6	20.9N–.10	38.37E–.08	10	3.6b,3.6s	**¶11910176**
IDC	IX	13 10 45 37.6–19	20.48N	38.68E	0	3.7b,3.6	
SGS	IX	13 10 45 38.0	21.08N	38.19E	21	3.7b,3.6	
CSEM	IX	13 10 45 38.0	21.08N	38.19E	21	3.7L,3.6	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=19.2km s-min=10.5km az=9.4.					
IDC		Error ellipse: s-maj=388.8km s-min=62.8km az=36.0.					
CSEM		Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After SNSN.					
ISC	**IX**	**18 17 14 12.6–2.1**	**17.7N–.20**	**40.6E–.20**	**10**	**3.8b,3.5s**	**10 2-77**
IDC	IX	18 17 14 08.5–2.4	17.39N	40.17E	0	3.8,3.8	**¶11910565**
SGS	IX	18 17 14 11.6	17.78N	40.37E	29	3.8,3.8	
ISCJB	IX	18 17 14 12.2–1.3	17.79N–.07	40.7E–.10	10	3.8b,3.5s	
ISC	**IX**	**18 21 42 16.8–.60**	**17.56N–.06**	**40.31E–.06**	**10**	**3.8b,3.7s**	**52 2-93**
ISCJB	IX	18 21 42 15.3–.59	17.57N–.05	40.27E–.06	10	3.8b,3.7s	**¶11910588**
SGS	IX	18 21 42 16.1	17.63N	40.07E	28	3.8b,3.7s	
CSEM	IX	18 21 42 16.6–1.1	17.60N	40.16E	30	3.8L,3.7s	
IDC	IX	18 21 42 19.1–1.2	18.05N	40.03E	0	3.8,3.7	
NEIC	IX	18 21 42 22.2–.82	18.42N	39.94E	10	3.8b,3.7	
ISC		Event type ke.					
ISCJB		Event type ke. Error ellipse: s-maj=9.2km s-min=5.9km az=42.8.					

CSEM Event type ke. Error ellipse: s-maj=36.9km s-min=12.9km az=33.0.
IDC Error ellipse: s-maj=26.8km s-min=21.5km az=47.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=11.5km az=180.0.
ISC IX 20 04 50 49.2–.46 17.63N–.05 40.23E–.05 10 4.2b,3.6s 83 2-62
CSEM IX 20 04 50 47.7–.37 17.53N 40.34E 2 4.2b,3.6s ¶13735613
ISCJB IX 20 04 50 47.6–.46 17.66N–.05 40.20E–.05 10 4.2b,3.6s
IDC IX 20 04 50 49.0–.94 17.89N 40.01E 0 4.1b,4.1
BJI IX 20 04 50 48.7 17.80N 40.10E 10 4.9b,4.5b
SGS IX 20 04 50 49.8 17.77N 40.39E 10 4.9b,4.5b
NEIC IX 20 04 50 50.7–.69 17.79N 40.10E 10 4.2b,4.5b
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=14.5km s-min=8.5km az=14.0.
ISCJB Event type ke. Error ellipse: s-maj=7.9km s-min=6.0km az=138.4.
IDC Error ellipse: s-maj=25.5km s-min=17.5km az=150.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=13.2km az=86.0.
ISC IX 29 21 46 44.5–.98 21.4N–.20 38.23E–.08 10 25 1-6
ISCJB IX 29 21 46 43.4–1.0 21.4N–.20 38.17E–.08 10 ¶13545780
CSEM IX 29 21 46 44.2–.34 21.32N 38.19E 10 3.0L
SGS IX 29 21 46 46.6 21.31N 38.15E 24 3.0L
HLW IX 29 21 46 46.0 21.26N 38.00E 17–18 2.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=24.9km s-min=5.4km az=23.2.
CSEM Event type ke. Error ellipse: s-maj=20.3km s-min=3.8km az=25.0.
SGS X 09 02 04 44.3 27.93N 34.50E 6
CSEM X 09 02 04 49.9 28.21N 34.74E 14 2.1L ¶12789690
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After SNSN.
ISC X 22 20 48 12.7–3.1 18.1N–.20 40.2E–.30 10 12 2-4
ISCJB X 22 20 48 11.7–3.2 18.1N–.20 40.2E–.30 10 ¶13746534
CSEM X 22 20 48 13.4–1.3 18.11N 40.03E 30 3.3L
SGS X 22 20 48 13.2 18.03N 39.92E 29 3.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=47.0km s-min=9.2km az=153.0.
CSEM Event type ke. Error ellipse: s-maj=50.8km s-min=10.7km az=66.0.
ISC X 23 01 52 48.2–.79 27.00N–.07 35.02E–.05 10 3.8b 82 1-58
ISCJB X 23 01 52 46.4–.75 26.97N–.07 34.94E–.05 10 3.8b ¶11370024
CSEM X 23 01 52 46.6–.64 26.99N 35.01E 2 3.3L
SGS X 23 01 52 46.2 26.72N 34.95E 25 3.3L
IDC X 23 01 52 46.5–1.6 26.96N 34.70E 0 3.9,3.8b
NEIC X 23 01 52 47.2–1.2 26.90N 34.71E 10 4.2b,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.7km s-min=6.5km az=174.7.
CSEM Event type ke. Error ellipse: s-maj=17.4km s-min=9.8km az=172.0.
IDC Error ellipse: s-maj=29.1km s-min=18.0km az=136.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=13.3km az=146.0.
ISC XI 05 05 05 22.2–.78 17.6N–.10 40.18E–.09 10 3.8b 42 2-56
ISCJB XI 05 05 05 20.7–.78 17.6N–.10 40.15E–.09 10 3.8b ¶12072334
CSEM XI 05 05 05 21.2–.41 17.62N 40.18E 2 3.9b
IDC XI 05 05 05 21.7–1.6 17.72N 40.11E 0 4.0,3.9
NEIC XI 05 05 05 22.7–.96 17.66N 40.11E 10 3.9b,3.9
SGS XI 05 05 05 22.1 17.94N 40.09E 26 3.9b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=19.5km s-min=7.4km az=30.6.
CSEM Event type ke. Error ellipse: s-maj=20.0km s-min=9.5km az=30.0.
IDC Error ellipse: s-maj=35.6km s-min=22.0km az=176.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=12.7km az=173.0.
SGS XII 14 02 59 08.1 27.42N 34.51E 29
CSEM XII 14 02 59 08.1 27.42N 34.51E 28 3.5L ¶13759158
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After SNSN.
ISC XII 21 19 07 57.0–.83 20.9N–.10 38.50E–.05 10 3.8b 49 1-94
ISCJB XII 21 19 07 55.4–.82 20.9N–.10 38.42E–.05 10 3.8b ¶12078487
CSEM XII 21 19 07 55.3–.52 20.84N 38.46E 2 3.7L
IDC XII 21 19 07 56.0–1.4 20.85N 38.26E 0 4.0,3.9b
NEIC XII 21 19 07 57.0–.98 20.82N 38.17E 10 4.0,3.9b
SGS XII 21 19 08 04.2 20.44N 38.86E 35 4.0,3.9b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.9km s-min=6.5km az=9.6.
CSEM Event type ke. Error ellipse: s-maj=20.1km s-min=8.8km az=9.0.
IDC Error ellipse: s-maj=34.7km s-min=20.0km az=176.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=14.4km az=176.0.
ISC XII 31 21 54 49.9–5.3 17.35N–.09 40.40E–.09 20–42 4.0s,3.9b 27 3-122
IDC XII 31 21 54 46.4–1.2 17.31N 40.43E 0 3.9,3.8 ¶12079703
NEIC XII 31 21 54 48.0–.57 17.33N 40.42E 10 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=23.4km az=166.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=12.3km az=108.0.
ISC XII 31 21 56 18.3–.71 17.4N–.10 40.5E–.10 10 3.7b 19 6-61
ISCJB XII 31 21 56 16.4–.71 17.4N–.10 40.5E–.10 10 3.7b ¶12079705
IDC XII 31 21 56 16.4–1.3 17.39N 40.46E 0 3.8,3.7
NEIC XII 31 21 56 18.2–.64 17.43N 40.45E 10 4.0b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=14.6km az=11.7.
IDC Error ellipse: s-maj=29.2km s-min=25.8km az=160.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=13.3km az=96.0.
ISC XII 31 22 14 37.6–.55 17.45N–.07 40.43E–.10 10 3.7b,3.6s 50 2-61
SGS XII 31 22 14 31.1 16.95N 40.16E 28 3.7b,3.6s ¶12079707
ISCJB XII 31 22 14 35.7–.54 17.47N–.06 40.42E–.09 10 3.7b,3.6s
IDC XII 31 22 14 36.0–1.3 17.38N 40.41E 0 3.8,3.7b
CSEM XII 31 22 14 36.5–.36 17.47N 40.44E 2 3.8b,3.7b
NEIC XII 31 22 14 37.6–.48 17.40N 40.41E 10 3.8b,3.7b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.1km s-min=8.9km az=4.0.
IDC Error ellipse: s-maj=28.4km s-min=22.0km az=163.0.
CSEM Event type ke. Error ellipse: s-maj=18.0km s-min=12.8km az=95.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.3km az=93.0.

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DHMR VII 04 13 32 26.0–1.0 12.42N 44.24E 9–13 3.7L
CSEM VII 04 13 32 26.0 12.42N 44.24E 9 3.7L ¶13388155
DHMR Error ellipse: s-maj=10.1km s-min=5.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR VII 06 10 11 43.0–1.1 12.40N 44.44E 12–14 3.9L
CSEM VII 06 10 11 43.0 12.40N 44.44E 11 3.9L ¶13388328
DHMR Error ellipse: s-maj=11.1km s-min=5.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC VII 26 05 46 12.8–2.6 14.50N–.07 42.5E–.10 12–21 20 2-3
ISCJB VII 26 05 46 11.6–2.1 14.53N–.07 42.50E–.10 5–17 ¶13390135
CSEM VII 26 05 46 12.1–.81 14.39N 42.38E 20 3.9L
SGS VII 26 05 46 13.3 14.31N 42.23E 25 3.9L
DHMR VII 26 05 46 13.4–1.4 14.51N 42.71E 4–11 3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.9km s-min=6.2km az=145.7.
CSEM Event type ke. Error ellipse: s-maj=21.2km s-min=8.5km az=55.0.
DHMR Error ellipse: s-maj=5.4km s-min=9.7km az=-1.0.
DHMR VIII 06 00 16 33.4–1.4 12.17N 43.52E 10–11 3.8L
CSEM VIII 06 00 16 33.4 12.17N 43.52E 9 3.8L ¶13390962
DHMR Error ellipse: s-maj=9.8km s-min=8.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC VIII 08 18 13 18.6–1.4 15.55N–.03 43.45E–.07 5–9 30 0-4
SGS VIII 08 18 13 17.9 15.34N 43.43E 9 ¶13391166
CSEM VIII 08 18 13 18.1–.28 15.54N 43.43E 2 3.5L
ISCJB VIII 08 18 13 19.5–.97 15.58N–.03 43.49E–.06 14–5 3.5L
DHMR VIII 08 18 13 19.3–1.3 15.50N 43.54E 4–8 3.5L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=11.3km s-min=4.5km az=58.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=3.8km az=152.5.
DHMR Error ellipse: s-maj=3.6km s-min=5.7km az=-1.0.
DHMR VIII 08 20 02 07.3–1.2 14.22N 44.28E 7–9 3.5L
CSEM VIII 08 20 02 07.3 14.22N 44.28E 6 3.4L ¶13391180
DHMR Error ellipse: s-maj=2.1km s-min=3.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR VIII 19 12 19 43.2–2.0 14.03N 43.20E 21–9 4.1L
CSEM VIII 19 12 19 43.2 14.03N 43.20E 20 4.1L ¶13392104
DHMR Error ellipse: s-maj=4.9km s-min=8.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC VIII 25 10 52 46.3–.57 16.15N–.04 43.63E–.07 10 22 0-3
CSEM VIII 25 10 52 44.6–.42 16.16N 43.72E 2 3.4L ¶13392558
SGS VIII 25 10 52 44.8 15.95N 43.80E 16 3.4L
ISCJB VIII 25 10 52 45.6–.56 16.14N–.04 43.64E–.07 10 3.4L
DHMR VIII 25 10 52 47.3–1.3 15.95N 43.87E 8–6 3.6L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=17.1km s-min=7.2km az=68.0.
ISCJB Event type ke. Error ellipse: s-maj=10.3km s-min=3.8km az=158.9.
DHMR Error ellipse: s-maj=7.8km s-min=4.4km az=-1.0.
SGS IX 02 19 32 56.4 16.72N 43.42E 10
CSEM IX 02 19 32 55.8–1.5 16.41N 43.00E 2 2.7L ¶13729128
CSEM Event type ke. Error ellipse: s-maj=85.8km s-min=7.7km az=66.0.
ISC IX 15 23 22 08.6–1.8 13.98N–.06 46.18E–.08 7–8 23 1-6
CSEM IX 15 23 22 14.1 13.70N 45.86E 8 3.7L ¶13394410
DHMR IX 15 23 22 14.1–1.1 13.70N 45.86E 8–4 3.7L
SGS IX 15 23 22 15.9 12.96N 46.32E 29 3.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR Error ellipse: s-maj=2.8km s-min=5.6km az=-1.0.
SGS IX 16 23 19 01.6 17.18N 42.29E 13
CSEM IX 16 23 19 01.6 17.18N 42.29E 13 3.6L ¶13734262
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After SNSN.
DHMR X 11 13 53 18.1–.53 12.13N 44.30E 17–2 3.6L
CSEM X 11 13 53 10.2 11.94N 44.12E 7 3.4L ¶13396721
DHMR Error ellipse: s-maj=2.8km s-min=2.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC X 12 03 43 56.9–.56 17.11N–.03 43.21E–.04 9–7 41 0-6
ISCJB X 12 03 43 55.8–.52 17.07N–.03 43.26E–.04 10 ¶13396789
SGS X 12 03 43 56.8 17.11N 43.22E 4
CSEM X 12 03 43 58.4–.31 17.25N 43.06E 2 3.8L
DHMR X 12 03 44 00.5–1.2 17.12N 43.20E 3–7 3.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=3.9km az=162.6.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=6.1km az=86.0.
DHMR Error ellipse: s-maj=6.9km s-min=14.9km az=-1.0.
ISC X 19 19 24 58.5–.33 14.79N–.02 44.04E–.04 10 3.7b 81 0-126
SGS X 19 19 24 50.6 14.08N 43.87E 13 3.7b ¶12069071
DHMR X 19 19 24 56.9–1.3 14.80N 44.03E 11–5 4.0L
IDC X 19 19 24 56.2–1.8 14.53N 44.08E 0 3.9,3.8b
CSEM X 19 19 24 57.5–.19 14.76N 44.02E 2 4.0L,3.8b
ISCJB X 19 19 24 57.3–.33 14.81N–.02 44.01E–.04 10 3.7b,3.8b
NEIC X 19 19 24 58.6–.57 14.69N 44.09E 10 3.7b,3.8b
ISC Event type ke.
DHMR Error ellipse: s-maj=2.3km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=40.6km s-min=20.5km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=8.2km s-min=4.2km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.9km az=162.8.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.5km az=120.0.
HLW XI 08 12 29 45.9 29.79N 36.52E 16–31 2.8L,2.7
CSEM XI 08 12 30 11.4 29.07N 34.18E 10 1.5L,2.7 ¶13545858
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After HLW.
ISC XI 13 23 41 20.1–1.0 14.07N–.05 43.09E–.05 10 47 1-6
ISCJB XI 13 23 41 19.1–1.0 14.06N–.05 43.06E–.06 10 ¶13400098
CSEM XI 13 23 41 19.2–.55 14.05N 43.09E 2 3.9L
SGS XI 13 23 41 21.0 13.87N 42.85E 21 3.9L
DHMR XI 13 23 41 21.4–.98 14.07N 43.24E 18–4 3.7L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=4.6km az=136.8.
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=5.7km az=44.0.
DHMR Error ellipse: s-maj=3.0km s-min=4.3km az=-1.0.
DHMR XI 15 16 14 22.2–1.2 12.01N 44.06E 10–0 4.0L
CSEM XI 15 16 14 22.2 12.01N 44.06E 10 4.0L ¶13400257
DHMR Error ellipse: s-maj=6.5km s-min=4.6km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
HLW XI 19 02 00 20.8 27.73N 36.81E 14–4 3.0,2.9L
¶12790003
ISC XI 19 19 20 54.2–1.1 14.06N–.05 43.10E–.06 10 29 1-5
ISCJB XI 19 19 20 52.9–1.1 14.05N–.05 43.04E–.06 10 ¶13400626
SGS XI 19 19 20 52.5 13.72N 42.81E 23
CSEM XI 19 19 20 53.2–.70 14.07N 43.10E 2 3.6L
DHMR XI 19 19 20 54.0–1.6 14.07N 43.19E 14–7 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.2km az=142.1.
CSEM Event type ke. Error ellipse: s-maj=16.7km s-min=7.4km az=47.0.
DHMR Error ellipse: s-maj=4.4km s-min=6.5km az=-1.0.
DHMR XI 22 15 23 33.5–.90 12.22N 44.12E 11–57 3.0L
¶13400866
DHMR Error ellipse: s-maj=56.9km s-min=20.6km az=-1.0.
DHMR XII 02 21 55 26.3–1.5 12.05N 43.65E 7–10 3.6L
CSEM XII 02 21 55 27.9 12.06N 43.83E 5 3.6L ¶13401749
DHMR Error ellipse: s-maj=8.8km s-min=7.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC XII 18 08 51 38.4–1.0 15.31N–.04 45.54E–.07 10 24 1-5
DHMR XII 18 08 51 34.9–.79 15.38N 45.56E 4–4 3.3L ¶13403121
ISCJB XII 18 08 51 37.1–1.1 15.37N–.04 45.60E–.07 10 3.3L
CSEM XII 18 08 51 37.4–1.3 15.22N 45.43E 2 3.3L
SGS XII 18 08 51 46.6 15.20N 45.09E 15 3.3L
ISC Event type ke.
DHMR Error ellipse: s-maj=2.7km s-min=3.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=4.5km az=165.5.
CSEM Event type ke. Error ellipse: s-maj=35.1km s-min=17.6km az=65.0.
DHMR XII 20 01 14 07.0–1.3 12.15N 44.64E 6–6 3.6L
CSEM XII 20 01 14 07.0 12.15N 44.64E 5 3.6L ¶13403391
DHMR Error ellipse: s-maj=7.1km s-min=4.7km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
ISC XII 20 01 52 25.0–.50 15.94N–.05 43.41E–.07 10 33 0-3
ISCJB XII 20 01 52 24.8–.48 15.90N–.05 43.38E–.06 10 ¶13403395
CSEM XII 20 01 52 24.0–.25 15.89N 43.36E 2 4.1L
DHMR XII 20 01 52 26.1–1.7 15.69N 43.38E 6–12 4.1L
SGS XII 20 01 52 27.1 15.90N 43.29E 7 4.1L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=3.4km az=144.4.
CSEM Event type ke. Error ellipse: s-maj=13.8km s-min=4.3km az=58.0.
DHMR Error ellipse: s-maj=12.9km s-min=7.2km az=-1.0.
ISC XII 20 02 23 22.1–.58 15.93N–.05 43.42E–.08 10 29 0-3
ISCJB XII 20 02 23 22.0–.58 15.90N–.05 43.39E–.07 10 ¶13403404
CSEM XII 20 02 23 21.1–.34 15.86N 43.34E 2 3.6L
DHMR XII 20 02 23 23.9–1.9 15.70N 43.44E 12–10 3.6L
SGS XII 20 02 23 25.4 15.94N 43.19E 8 3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.7km s-min=3.8km az=147.9.
CSEM Event type ke. Error ellipse: s-maj=17.5km s-min=5.8km az=58.0.
DHMR Error ellipse: s-maj=11.7km s-min=7.9km az=-1.0.
ISC XII 22 16 52 17.7–.59 15.91N–.07 43.38E–.08 10 24 0-3
CSEM XII 22 16 52 16.7–.23 15.86N 43.35E 2 3.0 ¶13403659
ISCJB XII 22 16 52 17.6–.57 15.89N–.06 43.36E–.08 10 3.0
DHMR XII 22 16 52 18.8–1.3 15.75N 43.40E 10–10 3.3L,3.0
SGS XII 22 16 52 20.6 15.97N 43.18E 1 3.3L,3.0
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.2km s-min=4.0km az=53.0.
ISCJB Event type ke. Error ellipse: s-maj=13.5km s-min=3.8km az=139.2.
DHMR Error ellipse: s-maj=15.2km s-min=7.5km az=-1.0.
DHMR XII 23 08 25 06.7–1.6 13.92N 44.70E 7–7 3.7,3.6L
CSEM XII 23 08 25 06.7 13.92N 44.70E 6 3.7,3.6L ¶13403733
DHMR Error ellipse: s-maj=2.7km s-min=2.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.

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ISC VIII 01 12 55 24.7–3.6 14.8N–.30 39.9E–.10 10 12 4-6
DHMR VIII 01 12 55 26.2–1.1 12.51N 40.38E 6–531 3.8L ¶13390603
DHMR Error ellipse: s-maj=174.8km s-min=492.1km az=-1.0.
ISC VIII 31 16 22 43.2–2.6 12.6N–.20 40.3E–.20 10 8 2-5
ISCJB VIII 31 16 22 40.8–2.8 12.7N–.20 40.2E–.20 10 ¶13393065
DHMR VIII 31 16 22 42.5–2.9 12.43N 40.47E 12–390 3.9L
ISCJB Error ellipse: s-maj=36.0km s-min=6.7km az=40.1.
DHMR Error ellipse: s-maj=130.0km s-min=323.9km az=-1.0.
ISC IX 04 22 13 44.8–1.3 14.75N–.06 41.88E–.08 10 28 2-4
ISCJB IX 04 22 13 43.9–1.4 14.73N–.06 41.89E–.08 10 ¶13393448
DHMR IX 04 22 13 46.8–1.1 14.59N 42.22E 5–11 3.4L
CSEM IX 04 22 13 46.3–.65 14.70N 41.83E 30 3.4L
SGS IX 04 22 13 48.6 14.74N 41.92E 24 3.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.6km s-min=5.5km az=147.1.
DHMR Error ellipse: s-maj=3.9km s-min=10.0km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=16.3km s-min=6.3km az=60.0.
ISC IX 05 20 57 41.5–.69 14.69N–.04 39.69E–.08 10 3.8b 16 4-64
ISCJB IX 05 20 57 39.2–.71 14.64N–.05 39.65E–.08 10 3.8b ¶11909556
IDC IX 05 20 57 39.6–2.6 14.63N 39.75E 0 3.9,3.8
ISCJB Error ellipse: s-maj=10.6km s-min=6.6km az=173.4.
IDC Error ellipse: s-maj=70.1km s-min=17.4km az=54.0.
ISC IX 26 20 54 19.3–1.2 12.3N–.10 40.9E–.10 10 13 3-5
DHMR IX 26 20 54 09.5–.77 12.16N 40.80E 8–78 4.3L ¶13395270
ISCJB IX 26 20 54 16.7–1.2 12.3N–.10 40.9E–.10 10 4.3L
ISC X 12 10 48 17.5–.56 7.64N–.06 37.97E–.09 10 3.8b,3.7s 26 1-99
ISCJB X 12 10 48 15.5–.57 7.58N–.05 37.93E–.10 10 3.8b,3.7s ¶12068457
IDC X 12 10 48 15.6–1.2 7.61N 38.00E 0 3.9,3.8b
NEIC X 12 10 48 16.9–.53 7.62N 38.05E 10 3.9,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=5.4km az=23.8.
IDC Error ellipse: s-maj=31.7km s-min=21.8km az=166.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.3km az=135.0.
ISC X 15 16 19 03.0–5.0 7.51N–.07 38.0E–.20 16–31 3.5b,3.4s 13 2-70
ISCJB X 15 16 18 60.0–.78 7.43N–.06 38.1E–.20 10 3.5b,3.4s ¶12068694
IDC X 15 16 19 00.9–1.2 7.50N 38.00E 0 3.8b,3.8
NEIC X 15 16 19 02.3–.79 7.53N 37.96E 10 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.5km s-min=6.6km az=16.3.
IDC Error ellipse: s-maj=33.8km s-min=24.1km az=120.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=15.5km az=114.0.
ISC X 17 09 40 41.4–.31 12.41N–.04 40.65E–.03 10 4.2b,4.1s 102 2-126
DHMR X 17 09 40 30.9–.92 12.22N 40.09E 10–70 4.8L,4.1s ¶12068875
ISCJB X 17 09 40 39.9–.32 12.46N–.04 40.60E–.03 10 4.2b,4.1s
IDC X 17 09 40 39.4–.66 12.38N 40.67E 0 4.1,4.1b
BJI X 17 09 40 40.3 12.17N 41.17E 10 4.9b,4.7s
CSEM X 17 09 40 40.3–.21 12.42N 40.62E 2 4.9W,4.4b
GCMT X 17 09 40 41.7–.20 12.47N 40.53E 12 4.9W,4.4b
NEIC X 17 09 40 41.3–.34 12.39N 40.61E 10 4.6L,4.4b
ISC Event type ke.
DHMR Error ellipse: s-maj=32.7km s-min=62.8km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=158.7.
IDC Error ellipse: s-maj=17.5km s-min=11.6km az=20.0.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=7.6km az=31.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s30,c35; s82,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.04±.07 $M_{\theta\theta}$1.20±.07; $M_{\phi\phi}$1.84±.08; $M_{r\theta}$-0.26±.28; $M_{\theta\phi}$-1.15±.06; $M_{\phi r}$-0.17±.23; Best double couple: NP1:ϕ_s328.00000°,δ45.00000°,λ-83.00000°. NP2:ϕ_s137.00000°,δ45.00000°,λ-97.00000°. Principal axes: T 2.7100,Plg0.0000° ,Azm233.0000°; N 0.3600,Plg5.0000°,Azm143.0000°; P -3.0700,Plg85.0000°,Azm325.0000° M_o2.90000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.4km az=207.0.
ISC X 17 09 48 59.3–2.4 13.2N–.20 40.1E–.10 10 9 4-5
DHMR X 17 09 48 54.3–.41 12.24N 40.18E 21–8 4.1L ¶13397334
ISCJB X 17 09 48 57.6–2.4 13.2N–.20 40.2E–.20 10 4.1L
ISC X 17 10 26 09.9–.86 12.14N–.08 40.44E–.05 10 3.6b,3.4s 21 2-65
DHMR X 17 10 26 01.5–.54 12.36N 40.21E 8–313 3.9L,3.4s ¶12068880
ISCJB X 17 10 26 08.5–.85 12.25N–.08 40.42E–.05 10 3.6b,3.4s
IDC X 17 10 26 08.5–1.7 12.17N 40.57E 0 3.8,3.8
NEIC X 17 10 26 10.1–.89 12.16N 40.50E 10 3.9L,3.8
ISC Event type se.
DHMR Error ellipse: s-maj=107.8km s-min=288.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=7.2km az=2.0.
IDC Error ellipse: s-maj=41.7km s-min=16.1km az=21.0.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=8.2km az=209.0.
ISC X 17 10 57 15.8–.36 12.34N–.05 40.60E–.04 10 4.2b,4.1s 121 2-126
DHMR X 17 10 57 00.1–1.1 11.80N 40.17E 4–89 4.7L,4.1s ¶12068881
BJI X 17 10 57 09.0 11.70N 40.30E 10 5.1b,4.6s
IDC X 17 10 57 14.0–.67 12.35N 40.67E 0 4.1s,4.1
ISCJB X 17 10 57 14.1–.35 12.37N–.05 40.56E–.03 10 4.2b,4.1s
GCMT X 17 10 57 15.5–.30 12.43N 40.55E 12 4.9W,4.1s
NEIC X 17 10 57 15.7–.32 12.34N 40.65E 10 4.8b,4.7L
CSEM X 17 10 57 16.3–.21 12.40N 40.57E 10 4.9W,4.8b
ISC Event type ke.
DHMR Error ellipse: s-maj=47.1km s-min=76.2km az=-1.0.
IDC Error ellipse: s-maj=17.6km s-min=11.7km az=18.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.8km az=10.4.
GCMT Event type se. Data Used: IC II IU G CN. Moment Tensor Solution. s21,c23; s76,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.34±.09 $M_{\theta\theta}$1.64±.09; $M_{\phi\phi}$1.70±.11; $M_{r\theta}$-1.14±.46; $M_{\theta\phi}$-1.26±.09; $M_{\phi r}$0.07±.31; Best double couple: NP1:ϕ_s325.00000°,δ38.00000°,λ-73.00000°. NP2:ϕ_s124.00000°,δ54.00000°,λ-103.00000°. Principal axes: T 3.0500,Plg8.0000° ,Azm223.0000°; N 0.5500,Plg10.0000°,Azm132.0000°; P -3.6000,Plg77.0000° ,Azm350.0000° M_o3.30000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.4km az=214.0.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=6.7km az=3.0.
ISC X 17 11 51 13.1–2.5 13.3N–.20 40.1E–.10 10 10 4-5
DHMR X 17 11 51 09.5–.68 12.26N 40.36E 14–403 3.8L ¶13397337
ISCJB X 17 11 51 11.9–2.5 13.3N–.20 40.2E–.10 10 3.8L
ISC X 17 13 06 09.4–.51 12.28N–.05 40.46E–.05 10 3.7b 37 2-54
DHMR X 17 13 06 04.0–1.1 11.84N 40.49E 24–999 4.2L ¶12068886
IDC X 17 13 06 06.9–3.4 12.47N 40.69E 0 3.8,3.7
ISCJB X 17 13 06 08.0–.62 12.36N–.07 40.46E–.05 10 3.7b,3.7
NEIC X 17 13 06 09.0–.66 12.46N 40.57E 10 3.9L,3.8b
CSEM X 17 13 06 09.1–.49 12.28N 40.53E 10 3.8b,3.8b
ISC Event type ke.
DHMR Error ellipse: s-maj=640.7km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=81.9km s-min=31.6km az=158.0.
ISCJB Event type ke. Error ellipse: s-maj=10.4km s-min=6.3km az=163.1.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.2km az=214.0.
CSEM Event type ke. Error ellipse: s-maj=19.0km s-min=16.4km az=114.0.
ISC X 17 14 36 40.0–2.1 12.2N–.20 40.7E–.30 10 7 4-5
ISCJB X 17 14 36 38.4–1.9 12.0N–.20 40.8E–.30 10 ¶13397342
DHMR X 17 14 36 41.4–.33 12.25N 40.71E 40–923 3.6L
ISCJB Error ellipse: s-maj=50.4km s-min=5.6km az=44.9.
DHMR Error ellipse: s-maj=267.5km s-min=542.0km az=-1.0.
ISC X 17 15 45 21.8–.34 12.30N–.04 40.45E–.03 10 4.0b,3.8s 95 2-96
DHMR X 17 15 45 13.4–.70 12.00N 40.45E 6–99 4.3L,3.8s ¶12068898
ISCJB X 17 15 45 19.7–.38 12.29N–.04 40.41E–.03 10 4.0b,3.8s
CSEM X 17 15 45 20.5–.20 12.31N 40.48E 2 4.3b,3.8s
IDC X 17 15 45 20.4–1.1 12.35N 40.55E 0 4.3L,4.0
NEIC X 17 15 45 22.2–.32 12.38N 40.55E 10 4.3b,4.3L
ISC Event type ke.
DHMR Error ellipse: s-maj=57.0km s-min=78.9km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=6.3km s-min=4.1km az=150.9.
CSEM Event type ke. Error ellipse: s-maj=7.7km s-min=6.3km az=35.0.
IDC Error ellipse: s-maj=24.9km s-min=13.0km az=21.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.0km az=214.0.
ISC X 17 20 24 24.8–.47 12.17N–.04 40.40E–.04 10 3.8b,3.6s 62 2-96
DHMR X 17 20 24 13.4–1.2 11.80N 40.20E 2–82 4.5b,4.0L ¶12068920
ISCJB X 17 20 24 22.7–.49 12.18N–.05 40.36E–.04 10 3.8b,3.6s
CSEM X 17 20 24 22.4–.44 12.05N 40.36E 2 4.5b,3.6s
IDC X 17 20 24 23.8–2.5 12.24N 40.60E 0 3.8,3.7b
NEIC X 17 20 24 24.9–.52 12.15N 40.49E 10 4.5b,4.1L
ISC Event type ke.
DHMR Error ellipse: s-maj=37.8km s-min=66.2km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=7.0km s-min=4.6km az=153.9.
CSEM Event type ke. Error ellipse: s-maj=17.6km s-min=10.5km az=20.0.
IDC Error ellipse: s-maj=62.1km s-min=25.4km az=164.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=7.7km az=203.0.
ISC X 18 12 57 11.6–.58 12.36N–.06 40.68E–.04 10 3.7s,3.4b 49 2-89
DHMR X 18 12 56 56.1–1.0 11.93N 39.86E 13–844 4.0L,3.4b ¶12068974
ISCJB X 18 12 57 10.1–.59 12.42N–.07 40.65E–.05 10 3.7s,3.4b
CSEM X 18 12 57 10.7–.48 12.41N 40.70E 2 4.0L,3.4b
NEIC X 18 12 57 11.6–.84 12.38N 40.69E 10 4.0L,3.9L
IDC X 18 12 57 11.1–2.7 12.33N 40.46E 0 3.7,3.6s
ISC Event type ke.
DHMR Error ellipse: s-maj=313.6km s-min=701.5km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=9.6km s-min=6.1km az=166.0.
CSEM Event type ke. Error ellipse: s-maj=18.8km s-min=10.7km az=29.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.3km az=203.0.
IDC Error ellipse: s-maj=63.2km s-min=28.6km az=166.0.

(559) Western Gulf of Aden.

ISC VIII 18 21 58 56.0–.96 12.02N–.07 45.26E–.08 10 3.7b,3.2s 16 1-62
ISCJB VIII 18 21 58 54.2–1.0 11.98N–.07 45.33E–.08 10 3.7b,3.2s ¶12581183
IDC VIII 18 21 58 54.1–2.1 11.93N 45.40E 0 3.8,3.7
CSEM VIII 18 21 58 55.0 11.99N 45.17E 12 3.4L,3.7
DHMR VIII 18 21 58 55.0–1.5 11.99N 45.17E 13–9 3.4L,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.8km s-min=9.1km az=139.6.
IDC Error ellipse: s-maj=54.6km s-min=27.2km az=172.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR Error ellipse: s-maj=8.8km s-min=8.1km az=-1.0.
ISC VIII 19 05 35 59.8–.71 12.07N–.06 45.37E–.05 10 3.8b,3.4s 40 1-62
IDC VIII 19 05 35 57.0–1.8 11.81N 45.50E 0 3.9,3.8 ¶11908425
NEIC VIII 19 05 35 58.0–1.2 11.77N 45.50E 10 4.0b,3.8
CSEM VIII 19 05 35 58.1–.44 12.01N 45.39E 2 3.9L,3.8
DHMR VIII 19 05 35 58.2–1.1 11.97N 45.19E 13–6 3.9L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=44.7km s-min=21.6km az=171.0.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=12.5km az=164.0.
CSEM Event type ke. Error ellipse: s-maj=13.5km s-min=9.9km az=17.0.
DHMR Error ellipse: s-maj=5.5km s-min=5.9km az=-1.0.
DHMR X 11 14 23 49.7–1.5 11.86N 44.02E 3–12 3.8L
¶13396726
DHMR Error ellipse: s-maj=9.4km s-min=7.0km az=-1.0.
DHMR X 20 08 22 52.9–.86 12.41N 46.02E 10–12 3.6L
CSEM X 20 08 22 52.9 12.41N 46.02E 10 3.6L ¶13397589
DHMR Error ellipse: s-maj=8.6km s-min=5.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR XI 18 00 17 51.1–.88 12.25N 45.69E 26–8 3.6L
CSEM XI 18 00 17 51.1 12.25N 45.69E 25 3.6L ¶13400484
DHMR Error ellipse: s-maj=5.5km s-min=3.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.
DHMR XII 30 07 26 25.7–1.6 11.96N 44.57E 6–7 4.0L
CSEM XII 30 07 26 31.1 12.21N 44.53E 2 3.9L ¶13404392
DHMR Error ellipse: s-maj=7.8km s-min=6.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After DHMR.

(567) Zaire.

ISC VIII 26 14 56 57.1–.85 2.3N–.10 30.9E–.10 10 4.0b 11 7-68
IDC VIII 26 14 56 54.5–1.7 2.10N 30.80E 0 3.9,3.8b ¶11908862
ISCJB VIII 26 14 56 55.0–.85 2.3N–.10 30.9E–.10 10 4.0b,3.8b
NEIC VIII 26 14 56 57.0–.90 2.27N 30.91E 10 4.4b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=54.5km s-min=27.6km az=2.0.
ISCJB Event type se. Error ellipse: s-maj=20.5km s-min=18.8km az=12.5.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=20.0km az=17.0.
IDC VIII 29 16 36 13.6–2.9 0.06S 29.68E 0 4.0b,3.9
¶12581547
IDC Error ellipse: s-maj=78.0km s-min=24.4km az=14.0.
ISC XI 13 11 07 23.3–.24 6.33S–.04 26.82E–.05 10 4.9b,4.3s 263 9-135
BJI XI 13 11 07 19.1 6.31S 26.39E 6 5.3b,5.2s ¶13400026
MOS XI 13 11 07 21.4–.99 6.30S 26.77E 10 5.1b,5.2s
ISCJB XI 13 11 07 21.2–.27 6.32S–.04 26.73E–.06 10 4.9b,4.3s
IDC XI 13 11 07 21.5–.46 6.28S 26.70E 0 4.7b,4.7
NEIC XI 13 11 07 23.1–.26 6.37S 26.86E 10 5.0b,4.7
GCMT XI 13 11 07 27.2–.30 6.04S 26.73E 18–1 5.0W,4.7
ISC Event type se.
MOS Error ellipse: s-maj=14.4km s-min=4.9km az=91.4.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.8km az=161.0.
IDC Error ellipse: s-maj=18.7km s-min=11.4km az=96.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.8km az=80.0.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s23,c28; s73,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.61±.22 $M_{\theta\theta}$0.64±.13; $M_{\phi\phi}$2.97±.16; $M_{r\theta}$0.20±.34; $M_{\theta\phi}$1.76±.10; $M_{\phi r}$0.65±.35; Best double couple: NP1:ϕ_s31.00000°,δ40.00000°,λ-87.00000°. NP2:ϕ_s206.00000°,δ50.00000°,λ-93.00000°. Principal axes: T 3.9700,Plg5.0000° ,Azm298.0000°; N -0.3000,Plg2.0000°,Azm208.0000°; P -3.6800,Plg84.0000°,Azm94.0000° M_o3.80000×10^{16}
ISC XI 14 01 40 12.3–.41 0.02N–.07 27.82E–.07 10 4.1b,3.0s 44 10-75
ISCJB XI 14 01 40 10.2–.41 0.03N–.07 27.83E–.07 10 4.1b,3.0s ¶12073476
IDC XI 14 01 40 11.1–.65 0.07N 27.82E 0 4.9L,4.3
NEIC XI 14 01 40 12.1–.32 0.00S 27.83E 10 4.4b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=9.5km az=25.3.
IDC Error ellipse: s-maj=20.0km s-min=15.8km az=94.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.9km az=138.0.
ISC XII 02 23 42 12.9–.45 0.02S–.07 27.97E–.06 10 3.9b,3.1s 34 9-82
ISCJB XII 02 23 42 10.7–.46 0.03S–.07 28.02E–.06 10 3.9b,3.1s ¶12075564
IDC XII 02 23 42 11.2–.83 0.03S 27.92E 0 4.9L,4.0
NEIC XII 02 23 42 12.2–.49 0.12S 28.00E 10 3.9b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=8.2km az=2.7.
IDC Error ellipse: s-maj=23.4km s-min=17.8km az=114.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.8km az=104.0.
ISC XII 23 18 21 03.8–.63 0.5S–.10 29.68E–.06 10 4.0b 27 1-70
ISCJB XII 23 18 21 02.1–.63 0.4S–.10 29.65E–.06 10 4.0b ¶12078705
NEIC XII 23 18 21 03.9–.46 0.44S 29.64E 10 4.0b
IDC XII 23 18 21 06.4–1.2 0.18N 29.59E 0 4.1,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=7.8km az=14.7.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.7km az=183.0.
IDC Error ellipse: s-maj=37.9km s-min=24.8km az=102.0.

(568) Uganda.

IDC X 30 00 45 42.7–3.0 0.05N 30.03E 0 3.8,3.8b
¶12071582
IDC Error ellipse: s-maj=88.4km s-min=21.4km az=13.0.

(569) Lake Victoria region.

ISC X 01 14 15 53.8–.30 0.80S–.05 33.68E–.06 27 4.5b,4.0s 102 3-135
BJI X 01 14 15 47.7 1.39S 33.27E 24 4.8b,4.8b ¶11322862
ISCJB X 01 14 15 51.5–.30 0.77S–.05 33.66E–.06 25 4.5b,4.0s
IDC X 01 14 15 53.2–.83 0.79S 33.65E 23–4 4.3,4.2b
NEIC X 01 14 15 53.5–.37 0.81S 33.74E 25 4.7b,4.2b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.6km s-min=7.4km az=174.5.
IDC Error ellipse: s-maj=15.5km s-min=14.4km az=23.0.
NEIC Event type fe. Error ellipse: s-maj=9.4km s-min=8.1km az=17.0. Felt [IV] at Kampala. Also felt at Entebbe.

(572) Lake Tanganyika region.

ISC IX 09 00 43 02.3–.34 5.13S–.04 29.60E–.08 10 4.3b,3.6s 49 9-87

ISCJB IX 09 00 43 00.1–.35 5.16S–.04 29.59E–.08 10 4.3b,3.6s ¶11452796
IDC IX 09 00 43 00.4–.83 5.12S 29.58E 0 4.2,4.1
NEIC IX 09 00 43 01.8–.31 5.13S 29.60E 10 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=5.8km az=6.5.
IDC Error ellipse: s-maj=23.9km s-min=16.8km az=125.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.1km az=101.0.
ISC IX 10 10 15 23.0–.48 7.47S–.05 30.48E–.09 10 4.2b,3.5s 29 7-100
ISCJB IX 10 10 15 21.0–.47 7.48S–.05 30.49E–.10 10 4.2b,3.5s ¶11452801
IDC IX 10 10 15 22.0–.90 7.45S 30.50E 0 4.2,4.2
NEIC IX 10 10 15 23.0–.53 7.46S 30.45E 10 4.5b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=6.1km az=16.9.
IDC Error ellipse: s-maj=32.3km s-min=19.9km az=108.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.5km az=109.0.
ISC IX 15 15 50 51.6–2.4 4.98S–.03 30.13E–.05 10–14 4.7b,4.5s 237 8-163
ISCJB IX 15 15 50 49.5–.18 4.95S–.03 30.09E–.05 10 4.7b,4.5s ¶13394387
MOS IX 15 15 50 49.6–.92 4.94S 30.15E 10 4.9b,4.4s
IDC IX 15 15 50 49.8–.43 4.97S 30.07E 0 4.7L,4.4
BJI IX 15 15 50 49.0 5.00S 30.10E 10 5.1s,5.1b
NEIC IX 15 15 50 51.5–.22 4.98S 30.15E 10 4.8b,5.1b
GCMT IX 15 15 50 58.4–.30 4.93S 29.90E 29–1 5.2W,5.1b
DJA IX 15 15 51 00 5.81S 31.38E 10 5.3b,5.1b
SZGRF IX 15 15 51 15.0 2.07S 30.37E 38 4.8b,4.3s
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.8km az=5.8.
MOS Error ellipse: s-maj=11.9km s-min=5.6km az=87.6.
IDC Error ellipse: s-maj=18.4km s-min=9.3km az=94.0.
NEIC Event type fe. Error ellipse: s-maj=7.1km s-min=5.0km az=80.0. Felt at Kigoma. Also felt at Bujumbura, Burundi and Kigali, Rwanda.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s40,c58; s81,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}0.01±.20 $M_{\theta\theta}$-6.50±.17; $M_{\phi\phi}$6.49±.19; $M_{r\theta}$-0.08±.30; $M_{\theta\phi}$0.76±.16; $M_{\theta r}$-1.20±.32; Best double couple: NP1:ϕ_s138.00000°,δ83.00000°,λ173.00000°. NP2:ϕ_s229.00000°,δ83.00000°,λ7.00000°. Principal axes: T 6.7500,Plg10.0000° ,Azm93.0000°; N -0.2000,Plg80.0000°,Azm273.0000°; P -6.5500,Plg0.0000°,Azm3.0000° $M_0$6.70000×10^{16}
SZGRF Lake Tanganyika region.
ISC X 05 00 02 14.2–1.3 1.21S–.03 29.07E–.03 12–8 5.1b,4.7s 608 2-132
MOS X 05 00 02 11.6–1.5 1.19S 29.10E 10 5.3b,4.8s ¶13396016
IDC X 05 00 02 12.2–.49 1.04S 29.26E 0 4.8,4.7b
ISCJB X 05 00 02 12.6–.18 1.18S–.03 29.04E–.03 14 5.1b,4.7s
NEIC X 05 00 02 12.6–.28 1.13S 29.12E 4 5.3W,5.2b
BJI X 05 00 02 12.0 0.97S 28.88E 18 5.3b,5.1s
GCMT X 05 00 02 15.5–.10 1.05S 29.29E 12 5.3W,5.1s
DJA X 05 00 02 15 1.29S 29.28E 10 4.9b,5.1s
SZGRF X 05 00 02 28.1 0.33N 29.73E 33 5.2b,4.7s
ISC Event type fe.
MOS Error ellipse: s-maj=9.2km s-min=3.2km az=99.6.
IDC Error ellipse: s-maj=17.7km s-min=11.4km az=91.0.
ISCJB Event type fe. Error ellipse: s-maj=4.6km s-min=3.7km az=168.7.
NEIC Event type fe. Error ellipse: s-maj=7.3km s-min=5.9km az=80.0. Felt at Kigali, Rwanda. Also felt at Kisoro and Mbarara, Uganda. Moment Tensor Solution. s25 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1: ϕ_s225.00000°,δ78.00000°,λ-62.00000°. NP2:ϕ_s336.00000°,δ30.00000°,λ-156.00000°. Principal axes: T 1.1500,Plg27.0000°,Azm293.0000°; N 0.0500,Plg27.0000°,Azm38.0000° ; P -1.2000,Plg49.0000°,Azm165.0000° $M_0$1.20000×10^{17}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s68,c100; s93,c170; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s347.00000°,δ41.00000°,λ-131.00000°. NP2:ϕ_s217.00000° ,δ60.00000°,λ-60.00000°. Principal axes: T 1.0900,Plg10.0000°,Azm286.0000° ; N -0.0900,Plg26.0000°,Azm21.0000°; P -1.0000,Plg62.0000°,Azm176.0000° $M_0$1.00000×10^{17}
SZGRF Zaire.
ISC X 05 00 32 10.8–.81 1.4S–.20 29.10E–.09 10 3.8b 15 8-71
ISCJB X 05 00 32 08.5–.81 1.4S–.20 29.12E–.09 10 3.8b ¶12065948
IDC X 05 00 32 09.8–2.8 1.30S 29.14E 0 4.0,3.9b
NEIC X 05 00 32 10.6–.74 1.41S 29.10E 10 4.0b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.3km s-min=12.6km az=171.4.
IDC Error ellipse: s-maj=108.2km s-min=25.4km az=3.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=11.8km az=171.0.
ISC XI 03 21 48 16.2–4.4 4.64S–.07 29.40E–.07 12–29 3.8b 16 9-36
ISCJB XI 03 21 48 13.7–.71 4.68S–.07 29.45E–.07 10 3.8b ¶12072176
IDC XI 03 21 48 14.6–1.6 4.64S 29.43E 0 4.1L,3.9
NEIC XI 03 21 48 15.9–.76 4.66S 29.31E 10 3.9b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=7.7km az=41.3.
IDC Error ellipse: s-maj=35.4km s-min=23.4km az=159.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=12.4km az=202.0.
ISC XII 14 09 43 10.5–.19 7.44S–.03 30.11E–.05 10 5.0b,4.5s 320 7-161
ISCJB XII 14 09 43 08.4–.18 7.41S–.03 30.04E–.05 10 5.0b,4.5s ¶13402707
MOS XII 14 09 43 08.8–.90 7.32S 30.04E 10 5.2b,4.4s
IDC XII 14 09 43 09.3–.51 7.33S 30.12E 0 4.7,4.7
BJI XII 14 09 43 09.4 6.94S 29.35E 22 5.3b,5.2s
NEIC XII 14 09 43 10.7–.25 7.35S 30.13E 10 5.1b,5.2s
GCMT XII 14 09 43 16.1–.30 7.36S 30.02E 26–1 5.2W,5.2s
SZGRF XII 14 09 43 17.4 6.19S 29.37E 10 5.1b,5.2s
DJA XII 14 09 43 54 10.56S 27.32E 10 4.6b,5.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.8km az=9.4.
MOS Error ellipse: s-maj=11.1km s-min=5.0km az=87.3.
IDC Error ellipse: s-maj=18.8km s-min=14.0km az=82.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.9km az=80.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s47,c65; s64,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.44±.21 $M_{\theta\theta}$0.01±.14; $M_{\phi\phi}$3.43±.18; $M_{r\theta}$-1.42±.34; $M_{\theta\phi}$-1.78±.13; $M_{\phi r}$7.05±.66; Best double couple: NP1:ϕ_s322.00000°,δ15.00000°,λ-115.00000°. NP2:ϕ_s168.00000°,δ76.00000°,λ-84.00000°. Principal axes: T 8.4400,Plg31.0000° ,Azm252.0000°; N -0.5900,Plg6.0000°,Azm346.0000°; P -7.8600,Plg58.0000°,Azm86.0000° $M_0$8.20000×10^{16}
SZGRF Lake Tanganyika region.

(573) Tanzania.

ISC VII 10 23 55 01.2–.39 2.69S–.05 35.94E–.07 10 4.3b,3.6s 36 2-100
BJI VII 10 23 54 52.8 3.61S 35.32E 10 4.8b,4.8b ¶11479945
ISCJB VII 10 23 54 59.2–.39 2.68S–.05 35.87E–.07 10 4.3b,3.6s
IDC VII 10 23 54 59.7–.67 2.67S 35.96E 0 4.3,4.2
NEIC VII 10 23 55 01.1–.35 2.65S 35.86E 10 4.4b,4.2
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=11.1km s-min=6.7km az=26.5.
IDC Error ellipse: s-maj=24.9km s-min=10.7km az=123.0.
NEIC Event type fe. Error ellipse: s-maj=11.1km s-min=7.1km az=106.0. Felt at Ngorongoro.
ISC VIII 31 03 52 52.5–3.5 5.66S–.09 35.9E–.20 15–22 4.0b,3.5s 16 5-69
ISCJB VIII 31 03 52 49.8–.69 5.67S–.09 35.9E–.20 10 4.0b,3.5s ¶11909151
IDC VIII 31 03 52 50.1–1.2 5.58S 35.86E 0 4.5L,4.2
NEIC VIII 31 03 52 51.5–.61 5.68S 35.87E 10 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.0km s-min=8.7km az=20.6.
IDC Error ellipse: s-maj=45.0km s-min=15.8km az=112.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=11.1km az=114.0.
ISC IX 02 12 02 09.9–6.7 5.26S–.08 36.1E–.20 17–42 4.0b,3.5s 14 4-140
IDC IX 02 12 02 07.1–.90 5.20S 36.04E 0 4.2,4.2L ¶11909274
NEIC IX 02 12 02 08.8–.64 5.24S 36.07E 10 3.9b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=15.6km az=112.0.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=12.5km az=110.0.
ISC XI 03 03 37 31.0–4.9 5.5S–.10 36.1E–.30 16–31 3.6b 12 4-66
ISCJB XI 03 03 37 27.6–1.4 5.6S–.10 36.1E–.30 10 3.6b ¶12072067
IDC XI 03 03 37 30.8–2.4 5.23S 36.01E 0 4.3L,3.9
NEIC XI 03 03 37 30.1–1.4 5.52S 36.06E 10 4.3L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=40.7km s-min=8.0km az=27.9.
IDC Error ellipse: s-maj=52.5km s-min=25.4km az=129.0.
NEIC Event type se. Error ellipse: s-maj=41.6km s-min=14.6km az=120.0.
ISC XII 02 00 01 19.8–.41 6.98S–.05 35.95E–.08 10 4.0b,3.4s 51 6-136
ISCJB XII 02 00 01 17.8–.42 7.05S–.06 35.91E–.08 10 4.0b,3.4s ¶12075464
IDC XII 02 00 01 18.8–.68 6.96S 35.98E 0 4.2,4.1
NEIC XII 02 00 01 19.8–.42 7.00S 35.94E 10 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=7.0km az=25.3.
IDC Error ellipse: s-maj=21.2km s-min=17.6km az=107.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.7km az=109.0.

(574) Northwest of Madagascar.

ISC VII 05 22 50 25.5–.59 11.01S–.08 41.31E–.09 10 3.8b,3.1s 21 9-89
ISCJB VII 05 22 50 23.3–.68 11.14S–.09 41.3E–.10 10 3.8b,3.1s ¶11810744
IDC VII 05 22 50 24.8–.83 11.03S 41.47E 0 5.0L,4.1
NEIC VII 05 22 50 25.2–.67 11.02S 41.28E 10 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=12.9km az=145.2.
IDC Error ellipse: s-maj=28.6km s-min=18.3km az=129.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=12.4km az=71.0.
ISC VIII 27 06 46 20.7–.96 10.70S–.02 41.43E–.02 15–6 5.7b,5.5s 754 10-161
BJI VIII 27 06 46 17.3 10.38S 40.98E 13 5.7b,5.5s ¶12100283
IDC VIII 27 06 46 17.6–.41 10.74S 41.35E 0 5.4,5.4
ISCJB VIII 27 06 46 18.0–.13 10.66S–.02 41.42E–.02 10 5.7b,5.5s
LDG VIII 27 06 46 18.5–.13 10.54S 41.40E 10–0 5.9b,5.1s
MOS VIII 27 06 46 19.0–.95 10.42S 41.51E 10 5.9b,5.2s
NEIC VIII 27 06 46 19.5–.13 10.75S 41.47E 10 5.9b,5.7W
DJA VIII 27 06 46 20 10.62S 41.31E 10 6.2W,5.7W
GCMT VIII 27 06 46 23.3–.10 10.57S 41.42E 29–0 5.7W,5.7W
ISC Event type fe.
IDC Error ellipse: s-maj=14.2km s-min=8.6km az=120.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.9km az=41.5.
LDG Event type ke. Error ellipse: s-maj=12.9km s-min=5.7km az=57.0.
MOS Error ellipse: s-maj=8.4km s-min=3.4km az=105.8.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=53.0. Felt at Pemba, Mozambique. Moment Tensor Solution. s82 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32 $M_{\theta\theta}$0.47 $M_{\phi\phi}$0.85 $M_{r\theta}$0.43 $M_{\theta\phi}$-1.52 $M_{\phi r}$2.14 Best double couple: NP1:ϕ_s174.00000° ,δ74.00000°,λ-57.00000°. NP2:ϕ_s287.00000°,δ36.00000°,λ-152.00000°. Principal axes: T 2.7300,Plg21.0000°,Azm239.0000°; N 0.3100,Plg31.0000°,Azm344.0000° ; P -3.0500,Plg49.0000°,Azm121.0000° $M_0$2.90000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=220, per= 50. Moment Tensor Solution. s91,c169; s37,c40; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.56±.05 $M_{\theta\theta}$-0.32±.04; $M_{\phi\phi}$2.88±.05; $M_{r\theta}$1.00±.08; $M_{\theta\phi}$-2.19±.04; $M_{\phi r}$3.80±.11; Best double couple: NP1:ϕ_s302.00000°,δ33.00000°,λ-148.00000°. NP2:ϕ_s184.00000°,δ73.00000°,λ-62.00000°. Principal axes: T 5.2600,Plg23.0000°,Azm253.0000°; N 0.0100,Plg27.0000°,Azm355.0000° ; P -5.2700,Plg53.0000°,Azm128.0000° $M_0$5.30000×10^{17}
ISC IX 09 18 23 30.8–.54 12.25S–.07 46.2E–.10 10 3.9b,3.3s 25 6-147
ISCJB IX 09 18 23 28.8–.54 12.24S–.07 46.2E–.10 10 3.9b,3.3s ¶11909892
IDC IX 09 18 23 29.3–.82 12.25S 46.21E 0 4.1L,3.8
NEIC IX 09 18 23 30.8–.59 12.24S 46.17E 10 4.7b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=9.8km az=178.6.
IDC Error ellipse: s-maj=30.3km s-min=19.7km az=115.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.3km az=90.0.
ISC X 18 06 05 50.8–.86 10.77S–.08 41.3E–.10 10 4.2b,3.2s 19 10-89
ISCJB X 18 06 05 48.4–.86 10.70S–.08 41.4E–.10 10 4.2b,3.2s ¶12068956
IDC X 18 06 05 48.4–1.6 10.65S 41.42E 0 4.3,4.2
NEIC X 18 06 05 51.0–.89 10.79S 41.32E 10 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=10.2km az=156.7.
IDC Error ellipse: s-maj=35.3km s-min=29.8km az=77.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=12.9km az=61.0.

(579) Botswana.

PRE VIII 16 20 21 44.0–1.1 19.77S 23.14E 5–0 3.6L
¶13644342
PRE Error ellipse: s-maj=4.3km s-min=3.4km az=-1.0.
PRE XII 06 16 41 35.5–1.1 19.75S 23.63E 5–0 4.8L
¶11712121
PRE Error ellipse: s-maj=5.4km s-min=5.1km az=-1.0.

(581) Mozambique.

PRE VIII 02 03 11 59.2–.99 20.99S 33.33E 5–0 3.8L
¶13643598
PRE Error ellipse: s-maj=5.1km s-min=5.0km az=-1.0.
PRE VIII 07 09 58 58.4–61 22.14S 32.35E 5–0 3.6L
¶13643800
PRE Error ellipse: s-maj=367.2km s-min=327.2km az=-1.0.
ISC VIII 30 05 10 19.1–1.1 21.78S–.10 33.46E–.08 10 3.8b 27 3-151
PRE VIII 30 05 10 10.4–1.1 21.41S 33.82E 5–0 4.0L ¶11452755
IDC VIII 30 05 10 14.7–1.0 21.27S 33.30E 0 4.5L,4.1
ISCJB VIII 30 05 10 18.3–1.1 21.92S–.09 33.38E–.08 10 3.8b,4.1
PRE IX 11 09 49 29.0–1.2 21.19S 33.43E 5–0 3.6L
¶13645655
PRE Error ellipse: s-maj=7.9km s-min=7.4km az=-1.0.
PRE X 09 21 34 56.0–1.1 21.43S 33.32E 5–0 3.7L
¶13646802
PRE Error ellipse: s-maj=4.9km s-min=4.9km az=-1.0.
PRE XI 05 00 05 50.5–1.1 21.18S 33.34E 5–0 4.3L
¶11711618
PRE Error ellipse: s-maj=5.9km s-min=5.7km az=-1.0.
ISC XI 19 15 24 59.1–3.7 11.28S–.06 37.16E–.07 3–23 4.2b,3.6s 57 10-145
NEIC XI 19 15 25 00.5–.47 11.23S 37.24E 10 4.4b,3.6s ¶11711874
IDC XI 19 15 25 01.7–.57 11.30S 37.31E 16–3 4.4L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.3km az=114.0.
IDC Error ellipse: s-maj=17.8km s-min=15.6km az=81.0.
ISC XI 25 15 05 38.2–2.4 21.92S–.04 33.61E–.05 7–15 4.9b,4.8s 307 3-153
SZGRF XI 25 15 05 31.7 22.81S 35.94E 28 5.0b,4.8s ¶11474950
ISCJB XI 25 15 05 36.7–.18 21.94S–.03 33.50E–.04 10 4.9b,4.8s
BJI XI 25 15 05 36.8 21.41S 33.13E 10 5.4s,5.3b
MOS XI 25 15 05 37.7–.94 21.75S 33.78E 10 5.1b,5.3b
NEIC XI 25 15 05 38.2–.23 21.92S 33.41E 10 4.9b,5.3b
PRE XI 25 15 05 38.8–1.2 22.06S 33.52E 5–0 6.3L,5.3b
DJA XI 25 15 05 38 21.86S 33.29E 10 5.2b,5.3b
IDC XI 25 15 05 41.4–.41 21.85S 33.49E 27–2 5.4L,4.5b
ISC Event type se.
SZGRF Mozambique.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.4km az=34.4.
MOS Error ellipse: s-maj=14.4km s-min=7.0km az=82.9.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.9km az=126.0.
PRE Error ellipse: s-maj=5.6km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=14.4km s-min=11.5km az=52.0.
ISC XI 25 22 03 55.4–2.6 15.42S–.04 39.42E–.04 19–16 4.5b,3.1s 113 8-150
ISCJB XI 25 22 03 50.7–2.0 15.37S–.04 39.47E–.04 2–12 4.5b,3.1s ¶11492008
IDC XI 25 22 03 51.9–.67 15.48S 39.48E 0 4.4,4.3b
NEIC XI 25 22 03 53.8–.30 15.40S 39.42E 10 4.5b,4.3b
LDG XI 25 22 03 54.3–.22 14.93S 39.48E 10–0 4.9b,3.6s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.5km s-min=5.0km az=37.4.
IDC Error ellipse: s-maj=20.0km s-min=15.1km az=131.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.6km az=132.0.
LDG Event type ke. Error ellipse: s-maj=15.8km s-min=3.9km az=32.0.

(583) Madagascar.

ISC VII 27 17 47 24.8–1.3 20.2S–.20 44.4E–.10 10 3.6b 8 3-150
ISCJB VII 27 17 47 23.5–1.3 20.1S–.20 44.4E–.10 10 3.6b ¶11812729
IDC VII 27 17 47 23.1–1.5 20.24S 44.52E 0 3.7b,3.7
NEIC VII 27 17 47 24.7–.76 20.21S 44.42E 10 4.3b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.7km s-min=15.4km az=4.3.

IDC Error ellipse: s-maj=57.8km s-min=46.7km az=71.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=11.0km az=181.0.
ISC XI 03 08 41 24.7–.49 17.52S–.06 46.82E–.09 13 4.0b,3.2s 27 2-151
ISCJB XI 03 08 41 22.8–.49 17.46S–.06 46.80E–.09 13 4.0b,3.2s **¶12072095**
IDC XI 03 08 41 24.4–.92 17.51S 46.88E 12–4 4.0,3.9
NEIC XI 03 08 41 24.2–.33 17.47S 46.81E 10 4.1b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=8.1km az=164.7.
IDC Error ellipse: s-maj=26.0km s-min=17.9km az=164.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=8.3km az=130.0.

(584) South Africa.

ISC VII 07 14 14 07.6–.48 27.03S–.02 26.73E–.03 3–3 65 0-149
ISCJB VII 07 14 14 07.0–.45 27.04S–.03 26.75E–.03 11–3 **¶11452302**
PRE VII 07 14 14 07.5–1.0 27.02S 26.75E 2–0 3.9L
IDC VII 07 14 14 07.2–1.2 26.99S 26.69E 0 4.3L,4.3
NEIC VII 07 14 14 07.5–.90 26.97S 26.75E 5 3.7L,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.5km az=136.9.
PRE Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.
IDC Error ellipse: s-maj=18.7km s-min=10.6km az=103.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=12.1km az=113.0.
PRE VII 18 22 57 37.7–.44 26.29S 27.73E 2–0 2.7L
¶13642837
PRE Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.
ISC VII 29 00 14 37.6–.48 26.42S–.02 27.42E–.02 4–3 3.9b 58 1-88
ISCJB VII 29 00 14 36.9–.79 26.42S–.02 27.42E–.03 10–5 3.9b **¶11452424**
PRE VII 29 00 14 37.1–.87 26.42S 27.43E 2–0 3.6L
IDC VII 29 00 14 37.1–.89 26.48S 27.38E 0 4.2L,4.2
ISCJB Error ellipse: s-maj=4.3km s-min=3.4km az=42.1.
PRE Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
IDC Error ellipse: s-maj=15.7km s-min=12.0km az=98.0.
PRE VIII 06 05 16 00.6–.86 26.42S 27.61E 2–0 3.5L
¶13643766
PRE Error ellipse: s-maj=1.3km s-min=1.3km az=-1.0.
PRE IX 15 10 03 27.0–.86 26.42S 27.42E 2–0 2.7L
¶13645777
PRE Error ellipse: s-maj=2.5km s-min=2.1km az=-1.0.
PRE IX 19 23 00 12.1–3.0 26.44S 27.67E 2–0 2.2L
¶13645962
PRE Error ellipse: s-maj=5.6km s-min=5.6km az=-1.0.
ISC X 02 21 50 03.2–.49 26.41S–.03 27.45E–.03 7–3 4.4b 60 1-149
PRE X 02 21 50 02.6–.97 26.40S 27.46E 2–0 3.5L **¶11710789**
NEIC X 02 21 50 03.5–.77 26.38S 27.43E 5 3.5L
IDC X 02 21 50 03.1–1.2 26.44S 27.39E 0 4.3,4.3
ISC Event type se.
PRE Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.3km az=113.0.
IDC Error ellipse: s-maj=18.6km s-min=13.1km az=105.0.
ISC XI 13 00 45 13.8–.56 26.25S–.03 28.21E–.04 10 36 0-149
ISCJB XI 13 00 45 12.8–.53 26.19S–.03 28.21E–.04 10 **¶11711757**
NEIC XI 13 00 45 12.1–1.8 26.22S 28.37E 5
PRE XI 13 00 45 13.1–.78 26.23S 28.18E 2–0 2.9L
IDC XI 13 00 45 14.2–2.0 26.26S 28.03E 0 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.1km az=27.7.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=11.7km az=107.0.
PRE Error ellipse: s-maj=1.7km s-min=1.3km az=-1.0.
IDC Error ellipse: s-maj=22.8km s-min=17.7km az=94.0.
ISC XI 23 01 52 43.7–.70 26.94S–.03 26.75E–.03 2–5 4.2b 76 0-149
ISCJB XI 23 01 52 42.6–.64 26.93S–.03 26.69E–.04 7–4 4.2b **¶11711927**
PRE XI 23 01 52 43.1–1.1 26.97S 26.81E 2–0 4.4L
IDC XI 23 01 52 44.1–.61 26.90S 26.73E 0 4.3L,4.3
NEIC XI 23 01 52 44.7–.39 26.86S 26.72E 5 4.5b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.1km az=41.8.
PRE Error ellipse: s-maj=1.8km s-min=2.2km az=-1.0.
IDC Error ellipse: s-maj=17.6km s-min=9.6km az=92.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.6km az=94.0.
PRE XI 24 17 27 20.0–.73 26.40S 27.45E 2–0 1.5L
¶11711956
PRE Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0.
ISC XII 12 01 19 18.8–.88 27.90S–.03 26.73E–.04 5–6 3.9b 28 1-47
PRE XII 12 01 19 17.8–.95 27.89S 26.72E 2–0 3.0L **¶11712197**
ISCJB XII 12 01 19 18.9–.95 27.93S–.03 26.74E–.04 16–9 4.0b
IDC XII 12 01 19 18.4–3.3 27.86S 26.77E 0 3.8b,3.8
PRE Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0.
ISCJB Error ellipse: s-maj=5.9km s-min=4.6km az=27.9.
IDC Error ellipse: s-maj=56.3km s-min=17.1km az=131.0.
ISC XII 15 01 34 39.8–.64 26.97S–.02 26.75E–.03 1–4 4.0b 70 0-149
ISCJB XII 15 01 34 38.9–.59 27.00S–.03 26.72E–.03 7–3 3.9b **¶11712239**
PRE XII 15 01 34 38.4–.99 26.91S 26.72E 2–0 4.0L
IDC XII 15 01 34 41.0–.74 26.91S 26.70E 0 4.4L,4.1
NEIC XII 15 01 34 41.6–.53 26.88S 26.70E 5 4.4L,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.6km az=35.7.
PRE Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=20.1km s-min=10.5km az=108.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=9.2km az=106.0.
ISC XII 18 13 57 59.4–.82 26.36S–.07 27.22E–.09 10 4.0b 19 2-149
ISCJB XII 18 13 57 57.3–.87 26.33S–.07 27.22E–.10 10 4.0b **¶12078061**
IDC XII 18 13 57 58.4–1.1 26.45S 27.19E 0 4.1L,4.0b
NEIC XII 18 13 57 58.8–.94 26.36S 27.23E 5 4.1L,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=8.4km az=150.1.
IDC Error ellipse: s-maj=19.0km s-min=14.5km az=74.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=12.9km az=102.0.
PRE XII 20 06 03 56.6–.75 28.74S 32.82E 5–0 3.6L
¶11712326
PRE Error ellipse: s-maj=3.6km s-min=5.3km az=-1.0.
PRE XII 21 17 15 01.5–1.1 28.09S 26.76E 2–0 3.8L
¶11712360
PRE Error ellipse: s-maj=1.3km s-min=2.0km az=-1.0.
ISC XII 22 16 59 41.5–.43 26.44S–.03 27.44E–.03 5–4 3.6b 43 0-47
NEIC XII 22 16 59 33.2–3.8 26.36S 28.38E 5 3.6b **¶11712373**
ISCJB XII 22 16 59 41.0–.59 26.45S–.03 27.44E–.03 11–4 3.6b
PRE XII 22 16 59 40.8–1.1 26.43S 27.44E 2–0 2.9L
IDC XII 22 16 59 45.7–6.4 26.19S 26.33E 0 3.7b,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=55.2km s-min=15.7km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.6km az=138.6.
PRE Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=164.0km s-min=16.3km az=97.0.

(743) Western Sahara.

ISC XII 21 12 05 06.0–.41 26.97N–.04 14.38W–.04 10 4.0b,3.6s 155 1-151
IDC XII 21 12 05 03.7–.51 26.70N 14.35W 0 4.4L,4.2 **¶12078455**
NEIC XII 21 12 05 05.0–.30 26.69N 14.32W 10 4.4,4.2b
ISCJB XII 21 12 05 05.4–.48 27.15N–.04 14.34W–.04 10 4.0b,3.6s
CSEM XII 21 12 05 08.6–.32 27.27N 14.35W 10 4.2b,3.6s
INMG XII 21 12 05 12.0–2.5 26.76N 14.41W 10–0 3.6L,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=15.9km s-min=13.6km az=111.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=6.3km az=223.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.6km az=10.9.
CSEM Event type ke. Error ellipse: s-maj=9.7km s-min=6.2km az=158.0.
INMG Event type ke. Error ellipse: s-maj=18.3km s-min=9.8km az=148.0.

(744) Mauritania.

ISC VII 12 19 12 27.3–.88 22.83N–.06 12.1W–.20 10 3.8b 46 12-149
ISCJB VII 12 19 12 25.6–.89 22.84N–.06 12.1W–.20 10 3.8b **¶11811390**
IDC VII 12 19 12 26.4–1.3 22.99N 12.27W 0 4.4L,3.8b
CSEM VII 12 19 12 27.4 22.84N 12.07W 10 4.2b,3.8b
NEIC VII 12 19 12 27.4–.82 22.84N 12.07W 10 4.2b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.0km s-min=8.2km az=178.4.
IDC Error ellipse: s-maj=46.9km s-min=31.8km az=142.0.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=8.1km az=89.0.
ISC VII 25 23 53 11.6–.25 20.44N–.03 17.13W–.04 10 4.4b,3.5s 557 7-153
SZGRF VII 25 23 52 52.2 17.23N 16.77W 24 4.4b,3.5s **¶13390109**
ISCJB VII 25 23 53 09.8–.25 20.44N–.03 17.10W–.04 10 4.4b,3.5s
BJI VII 25 23 53 09.3 20.40N 17.10W 10 5.2b,5.0s
IDC VII 25 23 53 09.6–.51 20.45N 17.10W 0 4.4,4.4
MOS VII 25 23 53 10.4–.84 20.44N 17.08W 15 4.6b,4.4
NEIC VII 25 23 53 11.3–.19 20.42N 17.12W 10 4.5b,4.4
CSEM VII 25 23 53 13.2–.10 20.43N 17.09W 21 4.5b,3.3s
ISC Event type fe.
SZGRF Mauritania.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=4.5km az=29.5.
IDC Error ellipse: s-maj=17.2km s-min=14.0km az=125.0.
MOS Error ellipse: s-maj=10.1km s-min=3.6km az=62.8.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.6km az=120.0. Felt at Banc d'Arguin.
CSEM Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=121.0.
IDC IX 07 17 16 25.6–2.7 22.90N 11.75W 0 3.8b,3.6
¶11909741
IDC Error ellipse: s-maj=102.2km s-min=44.7km az=82.0.
IDC IX 14 12 45 25.3–3.2 22.46N 11.88W 0 3.6,3.6
¶11910258
IDC Error ellipse: s-maj=155.2km s-min=56.3km az=63.0.
ISC X 03 19 40 50.5–.88 22.52N–.09 12.5W–.20 10 3.8b 25 12-149
ISCJB X 03 19 40 48.6–.89 22.54N–.09 12.5W–.20 10 3.8b **¶12065807**
NEIC X 03 19 40 50.3–.82 22.51N 12.47W 10 4.1b
IDC X 03 19 40 53.3–2.1 22.91N 12.01W 0 5.9L,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=13.2km az=8.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=13.5km az=110.0.
IDC Error ellipse: s-maj=53.6km s-min=32.5km az=79.0.
IDC X 13 14 20 02.0–3.2 22.82N 11.38W 0 3.8,3.8L
NEIC X 13 14 20 01.9–1.8 22.70N 11.65W 10 3.3b,3.8L **¶12068558**
IDC Error ellipse: s-maj=109.4km s-min=38.5km az=84.0.
NEIC Event type se. Error ellipse: s-maj=51.4km s-min=20.0km az=77.0.
ISC X 18 17 36 20.3–2.4 22.6N–.10 12.4W–.40 10 3.8b 11 16-149
ISCJB X 18 17 36 18.6–2.4 22.6N–.10 12.4W–.40 10 3.8b **¶12068990**
NEIC X 18 17 36 22.3–1.7 22.67N 12.02W 10 3.7b
IDC X 18 17 36 22.9–3.1 22.92N 11.81W 0 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=61.6km s-min=14.9km az=165.7.
NEIC Event type se. Error ellipse: s-maj=49.3km s-min=14.9km az=77.0.
IDC Error ellipse: s-maj=101.4km s-min=36.0km az=83.0.
IDC XI 05 16 15 28.5–3.0 22.81N 11.55W 0 3.6b,3.5
¶12072432
IDC Error ellipse: s-maj=94.8km s-min=46.3km az=63.0.
IDC XI 15 10 00 34.3–4.0 22.73N 11.46W 0 3.8b,3.8
¶12073616
IDC Error ellipse: s-maj=104.7km s-min=31.2km az=74.0.
IDC XI 17 14 43 26.5–3.4 22.70N 11.83W 0 3.6L,3.5
¶12073867
IDC Error ellipse: s-maj=156.7km s-min=57.3km az=65.0.
IDC XI 24 14 09 21.0–3.1 22.77N 11.48W 0 4.0L,3.7
¶12074689
IDC Error ellipse: s-maj=105.3km s-min=34.4km az=86.0.
IDC XII 14 12 46 15.2–1.6 22.74N 12.17W 0 3.9,3.8b
¶12077449
IDC Error ellipse: s-maj=53.2km s-min=28.0km az=78.0.

SEISMIC REGION 38.
Australia.

(588) Northwest of Australia.

AUST VII 29 11 09 20.0 14.55S 122.11E 0 4.5L
¶11747194
AUST VIII 02 05 18 23.1 14.66S 122.17E 3 4.1L
¶11747247

(590) Western Australia.

ISC VII 09 23 45 17.7–.43 26.14S–.03 125.30E–.04 10 51 5-64
ISCJB VII 09 23 45 14.8–.43 26.10S–.04 125.28E–.04 10 **¶11746948**
IDC VII 09 23 45 16.7–1.6 26.13S 125.40E 0 4.1b,4.0
AUST VII 09 23 45 20.4 26.03S 125.22E 1 4.5L,4.0
NEIC VII 09 23 45 20.0 26.03S 125.22E 1 4.5L,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.6km az=43.9.
IDC Error ellipse: s-maj=26.2km s-min=18.1km az=128.0.
NEIC Event type se. After AUST.
ISC VII 10 00 05 24.4–.53 25.98S–.06 125.39E–.05 10 26 5-15
ISCJB VII 10 00 05 20.5–.56 25.85S–.05 125.31E–.04 10 **¶11746949**
IDC VII 10 00 05 24.2–2.4 26.10S 125.39E 0 3.8,3.7
AUST VII 10 00 05 28.5 26.03S 125.32E 9 3.6L,3.7
NEIC VII 10 00 05 28.0 26.03S 125.32E 9 3.6L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.2km az=152.0.
IDC Error ellipse: s-maj=29.8km s-min=23.0km az=135.0.
NEIC Event type se. After AUST.
ISC XII 05 15 30 02.4–.57 22.36S–.05 127.58E–.04 10 32 5-16
ISCJB XII 05 15 30 00.3–.61 22.39S–.05 127.58E–.05 10 **¶11751601**
IDC XII 05 15 30 02.7–3.7 22.28S 127.80E 0 3.3,3.2
AUST XII 05 15 30 05.5 22.20S 127.55E 3 3.0L,3.2
NEIC XII 05 15 30 05.0 22.20S 127.55E 3 3.0L,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=5.9km az=19.1.
IDC Error ellipse: s-maj=55.9km s-min=23.7km az=33.0.
NEIC Event type se. After AUST.

(591) Northern Territory.

IDC VII 16 16 00 49.3–2.3 25.68S 137.53E 0 3.1,3.0
¶12698254
IDC Error ellipse: s-maj=38.6km s-min=16.0km az=53.0.
ISC IX 11 13 52 56.0–.58 25.97S–.04 130.98E–.05 10 19 4-11
ISCJB IX 11 13 52 52.6–.67 25.90S–.05 131.00E–.06 10 **¶11910047**
IDC IX 11 13 52 57.4–3.1 25.92S 131.14E 0 3.6,3.4
ISCJB Error ellipse: s-maj=8.3km s-min=6.4km az=15.3.
IDC Error ellipse: s-maj=26.0km s-min=23.2km az=48.0.
IDC XII 28 13 50 15.5–5.0 23.36S 131.53E 0 3.6,3.4L
¶12079278
IDC Error ellipse: s-maj=53.2km s-min=24.0km az=84.0.

(592) South Australia.

IDC VII 16 06 15 13.4–4.3 30.12S 138.67E 0 3.0,3.0
¶12698242
IDC Error ellipse: s-maj=151.9km s-min=17.1km az=45.0.
IDC VIII 21 07 03 12.7–3.3 30.50S 138.28E 0 3.1,3.0
¶12581255
IDC Error ellipse: s-maj=69.1km s-min=14.5km az=42.0.
IDC VIII 27 06 15 01.7–4.5 30.56S 138.41E 0 3.0,3.0
¶12581456
IDC Error ellipse: s-maj=99.2km s-min=16.8km az=41.0.
IDC VIII 28 08 10 01.9–3.1 30.15S 138.70E 0 3.0,3.0
¶12581494
IDC Error ellipse: s-maj=97.4km s-min=15.5km az=45.0.
IDC VIII 30 05 10 38.5–3.9 29.61S 138.54E 0 3.0,3.0
¶12581563

IDC Error ellipse: s-maj=151.8km s-min=17.0km az=49.0.
IDC IX 11 06 15 02.2–3.4 30.21S 138.60E 0 2.9,2.9
¶11910033

IDC Error ellipse: s-maj=92.3km s-min=14.9km az=45.0.
IDC IX 16 06 15 00.7–2.9 30.38S 138.37E 0 3.3,3.2
¶11910385

IDC Error ellipse: s-maj=73.7km s-min=14.8km az=41.0.
IDC X 01 10 12 31.0–4.4 30.08S 137.16E 0 3.0,3.0
¶11911543

IDC Error ellipse: s-maj=82.7km s-min=17.7km az=43.0.
IDC X 09 05 15 02.1–3.7 30.19S 138.63E 0 3.0,3.0
¶12066401

IDC Error ellipse: s-maj=118.6km s-min=15.9km az=44.0.
IDC X 16 05 15 08.9–3.5 30.39S 138.28E 0 3.0,2.9
¶12068734

IDC Error ellipse: s-maj=77.9km s-min=15.2km az=43.0.
IDC X 23 05 15 12.3–3.4 30.51S 138.25E 0 3.1,3.1
¶12070862

IDC Error ellipse: s-maj=85.1km s-min=15.1km az=40.0.
ISC X 23 11 52 06.1–.56 32.43S–.04 140.70E–.05 10 37 1-64
ISCJB X 23 11 52 04.3–.60 32.43S–.05 140.60E–.05 10 ¶11749294
NEIC X 23 11 52 05.0 32.48S 140.66E 7 4.0L
AUST X 23 11 52 05.6 32.48S 140.66E 7 4.0L
IDC X 23 11 52 10.7–2.1 31.87S 140.71E 0 4.1,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.5km az=11.0.
NEIC Event type se. After AUST.
IDC Error ellipse: s-maj=39.0km s-min=9.8km az=14.0.
IDC X 27 05 15 14.3–3.2 30.28S 138.47E 0 3.2,3.1
¶12071220

IDC Error ellipse: s-maj=76.2km s-min=15.5km az=44.0.
ISC X 30 11 49 43.1–.66 30.81S–.05 138.95E–.06 10 13 2-12
ISCJB X 30 11 49 41.3–.70 30.80S–.06 138.94E–.06 10 ¶11749706
AUST X 30 11 49 44.4 31.08S 138.98E 10 2.5L
IDC X 30 11 49 45.1–4.4 30.58S 139.23E 0 2.9,2.8
ISCJB Error ellipse: s-maj=9.1km s-min=6.4km az=33.8.
IDC Error ellipse: s-maj=157.3km s-min=16.5km az=42.0.
IDC XI 04 05 15 04.1–2.0 29.52S 139.51E 0 3.0,3.0
¶12072214

IDC Error ellipse: s-maj=116.4km s-min=14.7km az=54.0.
IDC XI 13 05 14 58.6–4.6 30.27S 138.45E 0 3.0,3.0
¶12073381

IDC Error ellipse: s-maj=138.8km s-min=18.1km az=43.0.
AUST XI 16 01 29 47.4 31.59S 138.76E 10 2.5L
¶11750677

ISC XI 16 02 02 16.9–.51 31.23S–.04 138.60E–.05 10 40 3-18
ISCJB XI 16 02 02 14.7–.57 31.21S–.05 138.67E–.05 10 ¶11750679
IDC XI 16 02 02 16.7–3.2 31.13S 138.75E 0 4.1,3.9
NEIC XI 16 02 02 18.0 31.40S 138.73E 19 4.2L,3.9
AUST XI 16 02 02 18.2 31.40S 138.73E 19 4.2L,3.9
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=8.9km s-min=4.5km az=40.1.
IDC Error ellipse: s-maj=55.1km s-min=15.4km az=34.0.
NEIC Event type fe. Felt in the Hawker area. After AUST.
ISC XI 16 02 44 44.1–1.8 30.6S–.30 139.4E–.30 10 18 2-12
AUST XI 16 02 44 39.4 31.40S 138.63E 22 2.7L ¶11750681
NEIC XI 16 02 44 39.0 31.40S 138.63E 22 2.7L
ISCJB XI 16 02 44 42.7–1.7 30.5S–.30 139.4E–.30 10 2.7L
IDC XI 16 02 44 43.3–3.4 30.44S 139.51E 0 2.8,2.8
ISC Event type se.
NEIC Event type se. After AUST.
ISCJB Event type se. Error ellipse: s-maj=57.8km s-min=6.0km az=138.2.
IDC Error ellipse: s-maj=140.1km s-min=13.8km az=47.0.
ISC XI 26 13 53 07.8–.69 31.40S–.07 138.73E–.05 10 11 2-12
ISCJB XI 26 13 53 05.9–.69 31.32S–.07 138.73E–.05 10 ¶11751222
AUST XI 26 13 53 08.8 31.59S 138.79E 10 2.7L
IDC XI 26 13 53 12.6–4.3 30.66S 139.36E 0 2.8,2.8
ISCJB Error ellipse: s-maj=9.5km s-min=6.4km az=11.5.
IDC Error ellipse: s-maj=151.7km s-min=15.3km az=43.0.
IDC XII 17 05 15 07.4–2.0 29.52S 139.51E 0 3.1L,3.1
¶12077864

IDC Error ellipse: s-maj=160.2km s-min=14.7km az=54.0.
IDC XII 17 20 23 52.8–4.2 29.67S 138.20E 0 2.8,2.8
¶12077963

IDC Error ellipse: s-maj=155.7km s-min=17.8km az=46.0.
IDC XII 23 05 15 03.6–4.2 30.58S 138.23E 0 3.0,2.9
¶12078628

IDC Error ellipse: s-maj=97.7km s-min=18.4km az=39.0.
IDC XII 30 20 48 41.9–5.3 29.61S 137.74E 0 2.5L
¶12079593

IDC Error ellipse: s-maj=164.6km s-min=17.9km az=46.0.
ISC XII 31 11 39 24.3–1.6 31.54S–.06 138.53E–.05 10–11 25 2-12
NEIC XII 31 11 39 24.0 31.79S 138.52E 10 2.8L ¶11751884
AUST XII 31 11 39 24.2 31.79S 138.52E 10 2.8L
IDC XII 31 11 39 25.8–4.3 31.25S 138.71E 0 3.1,3.1
ISC Event type se.
NEIC Event type se. After AUST.
IDC Error ellipse: s-maj=77.8km s-min=15.4km az=34.0.

(594) Queensland.

IDC VII 15 04 41 22.3–2.4 22.43S 148.07E 0 3.7s,3.7
¶12698222

IDC Error ellipse: s-maj=30.2km s-min=18.3km az=84.0.
IDC IX 08 04 36 19.9–3.8 21.93S 148.36E 0 3.8,3.7b
¶11909788

IDC Error ellipse: s-maj=38.7km s-min=18.6km az=78.0.
IDC IX 15 04 23 19.0–2.6 22.40S 148.16E 0 3.5,3.4
¶11910314

IDC Error ellipse: s-maj=36.8km s-min=23.3km az=58.0.
IDC X 24 05 45 02.8–4.4 21.46S 148.44E 0 3.5,3.4
¶12070960

IDC Error ellipse: s-maj=47.2km s-min=42.7km az=66.0.
IDC X 26 04 54 07.4–2.6 22.37S 148.13E 0 3.7L,3.5
¶12071128

IDC Error ellipse: s-maj=37.7km s-min=23.1km az=58.0.
IDC X 29 04 01 13.1–1.7 22.23S 147.99E 0 4.1b,3.9
¶12071422

IDC Error ellipse: s-maj=38.7km s-min=18.1km az=60.0.
IDC XI 01 05 05 13.8–4.7 21.38S 148.45E 0 3.5,3.4L
¶12071825

IDC Error ellipse: s-maj=46.6km s-min=25.5km az=57.0.
IDC XI 07 04 15 02.2–2.4 22.18S 147.96E 0 3.5,3.4L
¶12072622

IDC Error ellipse: s-maj=34.8km s-min=19.4km az=67.0.
IDC XI 12 04 09 52.1–4.0 22.46S 147.99E 0 3.7,3.6L
¶12073266

IDC Error ellipse: s-maj=43.7km s-min=18.8km az=85.0.
IDC XI 18 04 09 58.3–2.5 22.19S 148.09E 0 3.7,3.6
¶12073964

IDC Error ellipse: s-maj=35.6km s-min=19.8km az=63.0.
IDC XI 24 03 32 52.7–2.7 22.26S 147.94E 0 3.4,3.3
¶12074638

IDC Error ellipse: s-maj=33.6km s-min=22.7km az=65.0.
IDC XII 10 04 14 24.2–2.7 22.77S 148.39E 0 3.4,3.3L
¶12076665

IDC Error ellipse: s-maj=55.1km s-min=32.6km az=9.0.

(600) Near coast of South Australia.

ISC X 18 02 02 54.0–1.1 32.89S–.07 138.66E–.09 10 12 3-13
ISCJB X 18 02 02 52.1–1.2 32.9S–.10 138.6E–.10 10 ¶11749017
AUST X 18 02 02 57.2 32.93S 138.78E 10 3.2L
IDC X 18 02 03 03.0–6.4 31.97S 138.99E 0 3.3,3.3
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=17.4km s-min=11.1km az=44.0.
AUST Event type fe. Felt in Peterborough.
IDC Error ellipse: s-maj=99.7km s-min=23.2km az=30.0.
ISC XII 04 16 35 13.7–1.9 32.89S–.09 138.41E–.06 4–14 25 2-15
ISCJB XII 04 16 35 12.9–1.7 32.77S–.09 138.47E–.07 11–14 ¶11751593
NEIC XII 04 16 35 12.0 33.41S 138.39E 10 3.1L
AUST XII 04 16 35 12.1 33.41S 138.39E 10 3.1L
IDC XII 04 16 35 14.9–6.5 32.83S 138.35E 0 3.3,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=9.9km az=165.2.
NEIC Event type se. After AUST.
IDC Error ellipse: s-maj=79.8km s-min=20.8km az=12.0.
ISC XII 28 14 02 09.7–.69 32.56S–.07 138.34E–.05 10 20 2-13
ISCJB XII 28 14 02 07.9–.71 32.51S–.08 138.38E–.05 10 ¶11751860
NEIC XII 28 14 02 11.0 32.66S 138.27E 14 3.1L
AUST XII 28 14 02 11.1 32.66S 138.27E 14 3.1L
IDC XII 28 14 02 13.1–6.2 32.11S 138.45E 0 3.1,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=6.0km az=179.6.
NEIC Event type se. After AUST.
IDC Error ellipse: s-maj=86.6km s-min=19.6km az=20.0.

(609) Tasmania region.

AUST XI 29 21 41 30.3 42.52S 145.98E 8 3.6L
¶11751363

SEISMIC REGION 39.
Pacific Basin.

(611) North Pacific Ocean.

IDC IX 06 21 11 14.1–708 32.75N 148.13E 0
¶11909638

IDC Error ellipse: s-maj=1392.0km s-min=79.0km az=116.0.
IDC IX 06 21 32 09.2–630 32.26N 149.74E 0
¶11909639

IDC Error ellipse: s-maj=1241.0km s-min=73.5km az=117.0.
IDC IX 06 22 05 06.7–622 32.47N 149.08E 0
¶11909641

IDC Error ellipse: s-maj=1224.0km s-min=74.0km az=117.0.
IDC IX 06 22 22 42.1–635 32.88N 148.17E 0
¶11909644

IDC Error ellipse: s-maj=1250.0km s-min=77.9km az=116.0.
IDC IX 06 22 41 00.4–644 32.92N 148.16E 0
¶11909646

IDC Error ellipse: s-maj=1267.0km s-min=76.8km az=116.0.
IDC IX 06 23 00 17.8–599 32.55N 149.16E 0
¶11909648

IDC Error ellipse: s-maj=1181.0km s-min=73.9km az=117.0.
IDC IX 06 23 17 49.3–600 32.66N 148.89E 0
¶11909649

IDC Error ellipse: s-maj=1182.0km s-min=74.1km az=116.0.
IDC IX 06 23 35 49.3–673 32.80N 148.63E 0
¶11909654

IDC Error ellipse: s-maj=1324.0km s-min=77.3km az=116.0.
IDC IX 06 23 55 23.6–598 32.54N 149.29E 0
¶11909657

IDC Error ellipse: s-maj=1179.0km s-min=73.8km az=117.0.
IDC IX 07 00 13 43.6–629 32.70N 149.03E 0
¶11909660

IDC Error ellipse: s-maj=1238.0km s-min=75.4km az=116.0.
IDC IX 07 00 31 39.4–598 32.96N 148.39E 0
¶11909663

IDC Error ellipse: s-maj=1178.0km s-min=69.5km az=116.0.
IDC IX 07 00 51 05.6–593 32.89N 148.64E 0
¶11909664

IDC Error ellipse: s-maj=1169.0km s-min=69.9km az=116.0.
IDC IX 07 01 10 35.0–619 32.55N 149.53E 0
¶11909667

IDC Error ellipse: s-maj=1220.0km s-min=73.2km az=117.0.
IDC IX 07 01 48 21.6–594 33.03N 148.49E 0
¶11909671

IDC Error ellipse: s-maj=1172.0km s-min=64.1km az=116.0.
IDC IX 07 02 05 28.4–589 33.08N 148.45E 0
¶11909672

IDC Error ellipse: s-maj=1162.0km s-min=62.6km az=116.0.
IDC IX 07 02 24 58.2–576 33.09N 148.47E 0
¶11909675

IDC Error ellipse: s-maj=1136.0km s-min=61.6km az=116.0.
IDC IX 07 02 44 48.8–586 33.18N 148.34E 0
¶11909676

IDC Error ellipse: s-maj=1157.0km s-min=60.1km az=116.0.
IDC IX 07 03 05 58.3–598 33.11N 148.49E 0
¶11909677

IDC Error ellipse: s-maj=1180.0km s-min=60.8km az=116.0.
IDC IX 07 04 03 02.2–610 33.02N 149.07E 0
¶11909680

IDC Error ellipse: s-maj=1205.0km s-min=58.5km az=116.0.
IDC IX 07 04 23 01.2–584 33.09N 148.72E 0
¶11909682

IDC Error ellipse: s-maj=1153.0km s-min=59.4km az=116.0.
IDC IX 07 04 43 35.5–592 32.88N 149.43E 0
¶11909684

IDC Error ellipse: s-maj=1170.0km s-min=59.4km az=117.0.
IDC IX 07 05 01 21.9–588 33.24N 148.47E 0
¶11909685

IDC Error ellipse: s-maj=1161.0km s-min=61.4km az=116.0.
IDC IX 07 05 21 05.3–587 33.14N 149.06E 0
¶11909688

IDC Error ellipse: s-maj=1160.0km s-min=60.4km az=117.0.
IDC IX 07 05 39 31.4–596 33.40N 148.21E 0
¶11909689

IDC Error ellipse: s-maj=1177.0km s-min=65.7km az=116.0.
IDC IX 07 05 58 52.5–623 33.45N 148.09E 0
¶11909690

IDC Error ellipse: s-maj=1230.0km s-min=67.6km az=115.0.
IDC IX 07 06 35 54.6–584 33.24N 148.74E 0
¶11909691

IDC Error ellipse: s-maj=1155.0km s-min=62.1km az=116.0.
IDC IX 07 06 57 25.9–691 32.90N 149.69E 0
¶11909696

IDC Error ellipse: s-maj=1367.0km s-min=56.9km az=117.0.
IDC IX 07 07 16 09.2–580 33.08N 149.13E 0
¶11909700

IDC Error ellipse: s-maj=1147.0km s-min=59.0km az=116.0.
IDC IX 07 07 54 06.5–569 33.61N 148.31E 0
¶11909705

IDC Error ellipse: s-maj=1125.0km s-min=63.8km az=116.0.
IDC IX 07 08 13 51.2–591 33.88N 148.04E 0
¶11909707

IDC Error ellipse: s-maj=1170.0km s-min=56.1km az=115.0.
IDC IX 07 20 22 08.3–645 33.78N 148.70E 0
¶11909750

IDC Error ellipse: s-maj=1279.0km s-min=54.5km az=116.0.
IDC IX 07 20 41 36.2–635 33.73N 148.82E 0
¶11909752

IDC Error ellipse: s-maj=1260.0km s-min=54.3km az=116.0.
IDC IX 08 00 48 59.4–523 33.51N 149.98E 0
¶11909769

IDC Error ellipse: s-maj=1040.0km s-min=50.7km az=118.0.

IDC	**IX**	**08 03 54 14.7–569**	**33.97N**	**149.20E**	**0**				**¶11909782**
IDC	Error ellipse: s-maj=1132.0km s-min=52.9km az=117.0.								
IDC	**IX**	**08 04 13 04.8–589**	**33.94N**	**149.19E**	**0**				**¶11909784**
IDC	Error ellipse: s-maj=1171.0km s-min=52.9km az=117.0.								
IDC	**IX**	**08 05 10 46.2–562**	**34.29N**	**148.52E**	**0**				**¶11909792**
IDC	Error ellipse: s-maj=1116.0km s-min=53.0km az=116.0.								
IDC	**IX**	**08 05 31 18.2–564**	**33.87N**	**149.61E**	**0**				**¶11909793**
IDC	Error ellipse: s-maj=1122.0km s-min=51.8km az=117.0.								
IDC	**IX**	**08 05 51 41.4–536**	**33.80N**	**149.99E**	**0**				**¶11909796**
IDC	Error ellipse: s-maj=1067.0km s-min=50.7km az=118.0.								
IDC	**IX**	**08 06 11 24.9–580**	**33.99N**	**149.62E**	**0**				**¶11909797**
IDC	Error ellipse: s-maj=1155.0km s-min=51.2km az=117.0.								
IDC	**IX**	**08 06 30 17.7–543**	**34.34N**	**149.20E**	**0**				**¶11909799**
IDC	Error ellipse: s-maj=1082.0km s-min=50.6km az=117.0.								
IDC	**IX**	**08 06 50 09.7–522**	**34.31N**	**149.21E**	**0**				**¶11909801**
IDC	Error ellipse: s-maj=1039.0km s-min=50.3km az=117.0.								
IDC	**IX**	**08 21 20 47.3–529**	**34.37N**	**149.63E**	**0**				**¶11909842**
IDC	Error ellipse: s-maj=1055.0km s-min=51.0km az=117.0.								
ISC	**X**	**08 18 33 00.4–1.1**	**22.07N–.04**	**145.03E–.08**	**49–10**	**4.5b,3.6s**	**85**	**6-148**	
ISCJB	X	08 18 32 58.1–1.4	22.05N–.04	145.02E–.08	46–12	4.5b,3.6s			**¶11748380**
IDC	X	08 18 32 59.8–2.3	22.06N	145.05E	44–21	4.6L,4.3			
NEIC	X	08 18 33 00.5–1.4	22.07N	145.00E	51–13	4.8b,4.4W			
NIED	X	08 18 33 00	22.20N	144.90E	50	4.4W,4.4W			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=12.2km s-min=7.3km az=168.9.								
IDC	Error ellipse: s-maj=18.8km s-min=11.6km az=83.0.								
NEIC	Event type se. Error ellipse: s-maj=10.6km s-min=7.5km az=74.0. Moment Tensor Solution. $M_0$4.40000×10^{15}								
NIED	Moment Tensor Solution. Best double couple: NP1:ϕ_s165.00000°,δ86.00000°,λ23.00000°. NP2:ϕ_s73.00000°,δ67.00000°,λ175.00000°. $M_0$4.42000×10^{15}								
JMA	**XI**	**14 08 38 13.9–.80**	**38.36N**	**149.00E**	**48**	**3.7**			**¶14121858**
JMA	Error ellipse: s-maj=5.6km s-min=5.2km az=-1.0.								

(613) Hawaiian Islands.

NEIC	**IX**	**07 15 34 48.0**	**19.21N**	**155.53W**	**35**	**3.6**			**¶11277453**
NEIC	Event type fe. Felt [III] at Captain Cook, Hilo, Kealakekua and Na'alehu; [II] at Kailua Kona and Kamuela. Felt at Holualoa, Honaunau, Honoka'a, Mountain View, Pahoa and Waikoloa. Also felt at Kahului, Maui. After HVO.								
ISC	**IX**	**20 03 59 43.6–.80**	**19.33N–.07**	**155.16W–.05**	**8–3**	**4.1b,3.6s**	**28**	**0-89**	
BJI	IX	20 03 59 40.0	19.30N	155.10W	10	4.9b,4.9b			**¶11282319**
IDC	IX	20 03 59 42.0–.92	19.18N	155.16W	0	4.2,4.1			
ISCJB	IX	20 03 59 42.8–.68	19.35N–.06	155.16W–.05	14–3	4.1b,3.6s			
NEIC	IX	20 03 59 43.0	19.33N	155.11W	10	4.3,3.6s			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=31.9km s-min=17.3km az=153.0.								
ISCJB	Event type fe. Error ellipse: s-maj=10.8km s-min=8.4km az=175.5.								
NEIC	Event type fe. Felt [III] at Captain Cook, Hilo, Honomu, Kamuela, Mountain View, Pahoa, Papa'ikou and Volcano; [II] at Kailua Kona and Kea'au. Also felt at Hakalau, Holualoa, Honaunau, Honoka'a, Kapaau, Kealakekua, Laupahoehoe, Na'alehu, Ninole, Pepeekeo and Waikoloa. After HVO.								

(614) Eastern Caroline Islands region.

ISC	**VIII**	**22 09 48 38.1–.50**	**6.55N–.07**	**144.6E–.10**	**35**	**4.3b,4.0s**	**28**	**7-147**	
BJI	VIII	22 09 48 31.8	6.64N	144.86E	14	5.1b,4.9b			**¶11653039**
IDC	VIII	22 09 48 32.5–.69	6.61N	144.64E	0	5.1L,4.4			
NEIC	VIII	22 09 48 34.5–.38	6.59N	144.57E	10	4.6b,4.4			
ISCJB	VIII	22 09 48 36.0–.50	6.53N–.07	144.5E–.10	33	4.3b,4.0s			
GCMT	VIII	22 09 48 37.3–.40	6.64N	144.44E	18–2	5.0W,4.0s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=26.9km s-min=14.2km az=86.0.								
NEIC	Event type se. Error ellipse: s-maj=15.6km s-min=8.4km az=92.0.								
ISCJB	Event type se. Error ellipse: s-maj=18.2km s-min=10.6km az=176.9.								
GCMT	Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s10,c10; s66,c91; Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.25 $M_{\theta\theta}$0.53±.19; $M_{\phi\phi}$-0.57±.23; $M_{r\theta}$0.77±.48; $M_{\theta\phi}$3.51±.14; $M_{\phi r}$-0.87±.44; Best double couple: NP1:ϕ_s6.00000°,δ78.00000°,λ-169.00000°. NP2:ϕ_s273.00000°,δ79.00000°,λ-12.00000°. Principal axes: T 3.5300,Plg0.0000° ,Azm320.0000°; N 0.3800,Plg74.0000°,Azm51.0000°; P -3.9100,Plg16.0000°,Azm229.0000° $M_0$3.70000×10^{16}								
ISC	**XI**	**10 12 44 43.8–2.2**	**3.30N–.05**	**145.62E–.06**	**25–15**	**4.7b,3.8s**	**126**	**8-149**	
BJI	XI	10 12 44 39.1	3.33N	145.64E	8	5.2b,4.9s			**¶11415177**
IDC	XI	10 12 44 39.5–.49	3.33N	145.75E	0	4.7,4.6			
ISCJB	XI	10 12 44 39.4–2.0	3.32N–.05	145.58E–.06	7–12	4.7b,3.8s			
NEIC	XI	10 12 44 41.3–.24	3.33N	145.52E	10	5.0b,3.8s			
MOS	XI	10 12 44 43.1–1.2	3.35N	145.51E	33	5.0b,3.8s			
DJA	XI	10 12 45 01	1.66N	145.08E	26	4.8b,3.8s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=22.6km s-min=12.0km az=94.0.								
ISCJB	Event type se. Error ellipse: s-maj=10.6km s-min=7.9km az=1.0.								
NEIC	Event type se. Error ellipse: s-maj=8.6km s-min=6.0km az=90.0.								
MOS	Error ellipse: s-maj=14.0km s-min=8.1km az=107.5.								
ISC	**XI**	**13 04 27 02.2–.30**	**3.34N–.04**	**145.54E–.06**	**35**	**4.7b,3.8s**	**124**	**8-149**	
IDC	XI	13 04 26 56.4–.52	3.36N	145.66E	0	4.7,4.7			**¶11451594**
NEIC	XI	13 04 26 58.5–.24	3.37N	145.56E	10	4.9b,4.7			
ISCJB	XI	13 04 27 00.2–.30	3.35N–.05	145.50E–.07	33	4.7b,3.8s			
MOS	XI	13 04 27 00.2–.95	3.38N	145.50E	33	4.9b,3.8s			
BJI	XI	13 04 27 00.5	3.86N	145.33E	10	5.1b,4.9s			
DJA	XI	13 04 27 06	3.25N	145.28E	46	4.9b,4.9s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=23.5km s-min=11.8km az=95.0.								
NEIC	Event type se. Error ellipse: s-maj=9.7km s-min=5.4km az=94.0.								
ISCJB	Event type se. Error ellipse: s-maj=9.7km s-min=6.3km az=15.8.								
MOS	Error ellipse: s-maj=14.5km s-min=8.0km az=99.6.								
IDC	**XII**	**04 19 29 59.9–1.6**	**10.56N**	**148.58E**	**0**	**3.8,3.6**			**¶12075778**
IDC	Error ellipse: s-maj=54.2km s-min=30.5km az=104.0.								
IDC	**XII**	**08 23 25 16.5–1.3**	**7.00N**	**145.78E**	**0**	**4.0,3.9b**			**¶12076440**
IDC	Error ellipse: s-maj=47.1km s-min=20.1km az=78.0.								

(628) Society Islands region.

PPT	**VII**	**06 13 54 46.4–.39**	**17.59S**	**148.63W**	**10–0**	**0.0L**			**¶11109370**
PPT	Event type ke. Error ellipse: s-maj=38.4km s-min=8.7km az=180.0.								

(632) South Pacific Ocean.

IDC	**IX**	**07 11 30 48.4–2.5**	**51.56S**	**133.60W**	**0**	**3.9,3.6b**			**¶11909726**
IDC	Error ellipse: s-maj=848.1km s-min=32.9km az=168.0.								
ISC	**X**	**29 23 46 19.2–.67**	**34.4S–.10**	**125.9W–.20**	**10**	**4.1b**	**19**	**44-155**	
ISCJB	X	29 23 46 17.7–.68	34.4S–.10	125.9W–.20	10	4.1b			**¶12071575**
IDC	X	29 23 46 17.5–.65	34.28S	125.88W	0	4.3,4.1b			
NEIC	X	29 23 46 18.9–.40	34.25S	125.91W	10	4.2b,4.1b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=22.9km s-min=20.5km az=164.7.								
IDC	Error ellipse: s-maj=39.4km s-min=20.6km az=93.0.								
NEIC	Event type se. Error ellipse: s-maj=17.1km s-min=15.0km az=92.0.								
IDC	**XI**	**22 23 43 12.0–1.3**	**20.26S**	**124.05W**	**0**	**4.1,3.9**			**¶12074542**
IDC	Error ellipse: s-maj=56.7km s-min=30.0km az=77.0.								
IDC	**XII**	**06 12 04 28.2–15**	**51.54S**	**134.83W**	**0**	**4.1,3.8b**			**¶12076022**
IDC	Error ellipse: s-maj=1470.0km s-min=199.4km az=152.0.								

SEISMIC REGION 40.
Arctic Zone.

(634) Arctic Ocean.

IDC	**X**	**06 20 47 34.6–2.0**	**79.61N**	**113.17W**	**0**	**4.0b,4.0**			**¶12066189**
IDC	Error ellipse: s-maj=38.1km s-min=29.7km az=99.0.								
ISC	**X**	**07 10 00 48.1–.52**	**79.830N–.01**	**115.40W–.09**	**8–3**	**5.6b,5.5s**	**2058**	**5-170**	
ISCJB	X	07 10 00 45.1–.46	79.846N–.01	115.37W–.08	2–2	5.6b,5.5s			**¶13396303**
BGS	X	07 10 00 45.3–2.4	79.19N	115.45W	10–0	5.5s,5.4b			
BJI	X	07 10 00 45.5	79.80N	115.30W	18	6.0s,5.9b			
OTT	X	07 10 00 46.8–.73	79.54N	115.40W	18	5.7W,5.9b			
IDC	X	07 10 00 46.2–.35	79.83N	115.31W	0	5.5,5.4s			
MOS	X	07 10 00 47.0–.99	79.77N	115.48W	14	5.8b,5.4s			
DJA	X	07 10 00 48	79.69N	116.66W	10	6.3W,5.4s			
NEIC	X	07 10 00 48.1–.09	79.82N	115.45W	10	5.8,5.7W			
GCMT	X	07 10 00 49.9–.10	79.77N	116.02W	12	5.7W,5.7W			
SZGRF	X	07 10 00 51.4	79.82N	115.58W	33	5.7b,5.2s			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=2.6km s-min=1.3km az=14.1.								
BGS	Error ellipse: s-maj=329.0km s-min=999.9km az=-1.0.								
OTT	Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=-1.0. Arctic Ocean. 264km northwest from Isachsen, Nu.								
IDC	Error ellipse: s-maj=11.9km s-min=9.7km az=104.0.								
MOS	Error ellipse: s-maj=21.8km s-min=2.8km az=86.3.								
NEIC	Event type se. Error ellipse: s-maj=2.9km s-min=1.8km az=112.0. Complex earthquake observed on broadband displacement seismograms. Energy computed from MT mechanism. Moment Tensor Solution. s129 Moment tensor: Scale 10^{17}Nm; M_{rr}1.34 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-0.47 $M_{r\theta}$1.73 $M_{\theta\phi}$-0.14 $M_{\phi r}$1.96 Best double couple: NP1:ϕ_s44.00000°,δ79.00000°,λ86.00000°. NP2:ϕ_s245.00000°,δ12.00000°,λ111.00000°. Principal axes: T 3.1000,Plg55.0000° ,Azm308.0000°; N -0.5500,Plg4.0000°,Azm44.0000°; P -2.5600,Plg33.0000°,Azm137.0000° $M_0$2.90000×10^{17}								
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves: sta=119, comp=266, per= 50. Moment Tensor Solution. s110,c230; s86,c108; Moment tensor: Scale 10^{17}Nm; M_{rr}4.61±.04 $M_{\theta\theta}$-1.72±.04; $M_{\phi\phi}$-2.89±.04; $M_{r\theta}$1.48±.11; $M_{\theta\phi}$-2.38±.03; $M_{\phi r}$1.12±.11; Best double couple: NP1:ϕ_s212.00000°,δ35.00000°,λ81.00000°. NP2:ϕ_s44.00000°,δ56.00000°,λ96.00000°. Principal axes: T 4.9900,Plg78.0000°,Azm336.0000°; N 0.1000,Plg5.0000°,Azm220.0000° ; P -5.0900,Plg11.0000°,Azm129.0000° $M_0$5.00000×10^{17}								
SZGRF	Arctic Ocean.								
OTT	**X**	**07 11 19 20.5–.72**	**79.64N**	**115.24W**	**18**	**3.1L**			
NEIC	X	07 11 19 20.5	79.64N	115.24W	18	3.5b,3.1L			**¶11342398**
OTT	Event type ke. Error ellipse: s-maj=3.3km s-min=6.4km az=-1.0. Arctic Ocean. Aftershock. 270km northwest from Isachsen, Nu.								
NEIC	Event type se. After OTT.								
ISC	**X**	**07 12 13 12.7–.26**	**79.48N–.03**	**114.7W–.20**	**10**	**4.4b,3.7s**	**153**	**5-123**	
ISCJB	X	07 12 13 10.8–.26	79.50N–.03	114.7W–.20	10	4.4b,3.7s			**¶11342399**
NEIC	X	07 12 13 12.8–.27	79.52N	114.78W	10	4.9b,4.5L			
MOS	X	07 12 13 12.1–.89	79.66N	114.32W	10	4.4b,4.5L			
BJI	X	07 12 13 12.0	79.90N	114.00W	10	4.9b,4.8b			
OTT	X	07 12 13 13.3–.88	79.65N	115.56W	18	4.9b,4.8b			
IDC	X	07 12 13 13.2–.50	79.86N	115.22W	0	4.3,4.2			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=5.8km s-min=4.2km az=173.9.								
NEIC	Event type se. Error ellipse: s-maj=6.6km s-min=5.4km az=94.0.								
MOS	Error ellipse: s-maj=67.8km s-min=8.6km az=89.4.								
OTT	Event type ke. Error ellipse: s-maj=7.8km s-min=5.2km az=-1.0. Arctic Ocean. Aftershock. 270km northwest from Isachsen, Nu.								
IDC	Error ellipse: s-maj=20.7km s-min=11.6km az=99.0.								
OTT	**X**	**07 15 43 48.6–2.2**	**79.58N**	**114.90W**	**18**	**3.5L**			**¶11342400**
OTT	Event type ke. Error ellipse: s-maj=6.7km s-min=18.7km az=-1.0. Arctic Ocean. Aftershock. 255km northwest from Isachsen, Nu.								
OTT	**X**	**07 18 41 01.7–1.1**	**79.68N**	**115.85W**	**18**	**3.3L**			**¶11342401**
OTT	Event type ke. Error ellipse: s-maj=6.7km s-min=7.4km az=-1.0. Arctic Ocean. Aftershock. 276km northwest from Isachsen, Nu.								
ISC	**X**	**07 19 49 04.4–.18**	**79.48N–.02**	**114.9W–.20**	**10**	**4.5b,3.9s**	**318**	**5-126**	
BJI	X	07 19 49 00.7	79.70N	115.20W	10	4.8b,4.8b			**¶13396333**
ISCJB	X	07 19 49 02.6–.18	79.50N–.02	114.9W–.20	10	4.5b,3.9s			
NEIC	X	07 19 49 04.9–.22	79.64N	115.50W	10	4.8L,4.5b			
MOS	X	07 19 49 04.1–.91	79.70N	115.18W	10	4.6b,4.5b			
IDC	X	07 19 49 04.7–.43	79.82N	115.26W	0	4.4L,4.3			
OTT	X	07 19 49 06.4–.42	79.54N	114.89W	18	5.2b,4.3			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=4.7km s-min=3.4km az=8.7.								
NEIC	Event type se. Error ellipse: s-maj=6.7km s-min=4.3km az=116.0.								
MOS	Error ellipse: s-maj=43.3km s-min=5.1km az=86.8.								
IDC	Error ellipse: s-maj=15.8km s-min=10.7km az=101.0.								
OTT	Event type ke. Error ellipse: s-maj=3.3km s-min=2.6km az=-1.0. Arctic Ocean. Aftershock. 254km northwest from Isachsen, Nu.								
ISC	**X**	**08 03 20 22.6–.40**	**79.44N–.04**	**114.3W–.20**	**10**	**3.9b**	**108**	**5-82**	
ISCJB	X	08 03 20 20.6–.40	79.46N–.04	114.2W–.20	10	3.9b			**¶11344243**
IDC	X	08 03 20 22.3–.57	79.81N	115.49W	0	4.1,4.0			
NEIC	X	08 03 20 23.1–.40	79.69N	115.43W	10	4.6L,3.9b			
OTT	X	08 03 20 24.6–.72	79.52N	115.00W	18	4.9b,3.9b			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=6.7km s-min=5.2km az=156.4.								
IDC	Error ellipse: s-maj=23.5km s-min=12.4km az=98.0.								
NEIC	Event type se. Error ellipse: s-maj=11.0km s-min=7.3km az=104.0.								
OTT	Event type ke. Error ellipse: s-maj=6.7km s-min=5.7km az=-1.0. Arctic Ocean. Aftershock. 255km northwest from Isachsen, Nu.								
ISC	**X**	**08 07 57 33.6–.78**	**79.81N–.01**	**115.5W–.10**	**0–4**	**5.3b,4.9s**	**1387**	**5-170**	
BJI	X	08 07 57 30.8	79.80N	115.40W	10	5.4s,5.3b			**¶13396376**
ISCJB	X	08 07 57 31.7–.72	79.82N–.01	115.5W–.10	0–4	5.3b,4.9s			
IDC	X	08 07 57 32.9–.30	79.80N	115.56W	0	5.0L,4.9			
MOS	X	08 07 57 33.3–.88	79.72N	115.64W	12	5.4b,4.8s			
NEIC	X	08 07 57 34.9–.10	79.79N	115.44W	10	5.3W,5.3W			
OTT	X	08 07 57 34.5–.61	79.47N	115.12W	18	5.3W,5.3W			
GCMT	X	08 07 57 35.1–.10	79.74N	116.14W	12–0	5.3W,5.3W			
SZGRF	X	08 07 57 38.9	80.18N	116.50W	33	5.4b,4.6s			
ISC	Event type ke.								
ISCJB	Event type ke. Error ellipse: s-maj=3.1km s-min=1.7km az=11.6.								
IDC	Error ellipse: s-maj=10.8km s-min=8.5km az=88.0.								
MOS	Error ellipse: s-maj=22.4km s-min=3.0km az=86.7.								
NEIC	Event type se. Error ellipse: s-maj=3.0km s-min=1.9km az=110.0.								
OTT	Event type ke. Error ellipse: s-maj=5.6km s-min=3.9km az=-1.0. Arctic Ocean. Aftershock. 260km northwest from Isachsen, Nu.								
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves: sta=109, comp=214, per= 50. Moment Tensor Solution. s100,c182; s44,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}1.16±.02 $M_{\theta\theta}$-0.58±.02; $M_{\phi\phi}$-0.57±.02; $M_{r\theta}$0.33±.04; $M_{\theta\phi}$-0.60±.01; $M_{\phi r}$-0.01±.04; Best double couple: NP1:ϕ_s214.00000°,δ41.00000°,λ73.00000°. NP2:ϕ_s56.00000°,δ52.00000°,λ104.00000°. Principal axes: T 1.2300,Plg78.0000°,Azm20.0000°; N -0.0300,Plg11.0000°,Azm227.0000° ; P -1.2000,Plg6.0000°,Azm136.0000° $M_0$1.20000×10^{17}								
SZGRF	Arctic Ocean.								
OTT	**X**	**08 17 26 10.5–.09**	**79.53N**	**115.40W**	**18**	**3.5L**			**¶11380137**
OTT	Event type ke. Arctic Ocean. Aftershock. 270km northwest from Isachsen, Nu.								
OTT	**X**	**08 19 45 15.6–.69**	**79.53N**	**115.40W**	**18**	**3.4L**			**¶11378427**
OTT	Event type ke. Arctic Ocean. Aftershock. 270km northwest from Isachsen, Nu.								
OTT	**XI**	**17 12 42 25.8–1.2**	**79.45N**	**115.44W**	**18**	**3.8L**			**¶12073849**
OTT	Event type ke. Error ellipse: s-maj=7.8km s-min=10.4km az=-1.0. Arctic Ocean. 263km west from Isachsen, Nu.								
ISC	**XI**	**17 12 55 24.2–.65**	**79.633N–.01**	**116.20W–.09**	**16–4**	**5.4b,5.2s**	**1663**	**5-170**	
BGS	XI	17 12 55 17.7–1.7	78.78N	116.83W	10–0	5.4s,5.2b			**¶13400435**
BJI	XI	17 12 55 19.6	79.61N	116.65W	10	5.7s,5.7b			
IDC	XI	17 12 55 20.9–.29	79.65N	115.88W	0	5.3,5.3			

ISCJB XI 17 12 55 21.0–.59 79.645N–.01 116.21W–.09 9–3 5.4b,5.2s
MOS XI 17 12 55 21.2–.99 79.60N 116.26W 10 5.6b,5.2s
NEIC XI 17 12 55 22.8–.10 79.65N 116.06W 7 5.7W,5.7W
OTT XI 17 12 55 23.0–.44 79.41N 114.96W 18 5.7W,5.7W
GCMT XI 17 12 55 24.4–.10 79.59N 116.59W 12 5.7W,5.7W
DJA XI 17 12 55 25 79.96N 116.11W 10 5.7b,5.7W
SZGRF XI 17 12 55 41.5 81.55N 108.49W 33 4.9b,4.8s
ISC Event type ke.
BGS Error ellipse: s-maj=238.6km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=10.4km s-min=8.1km az=98.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.4km az=13.1.
MOS Error ellipse: s-maj=24.5km s-min=3.0km az=87.3.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.8km az=112.0. Moment Tensor Solution. s106 Moment tensor: Scale 10^{17}Nm; M_{rr}1.88 $M_{\theta\theta}$-1.11 $M_{\phi\phi}$-0.77 $M_{r\theta}$1.34 $M_{\theta\phi}$-0.55 $M_{\phi r}$0.68 Best double couple: NP1:ϕ_s60.00000°,δ66.00000°,λ94.00000°. NP2:ϕ_s230.00000° ,δ25.00000°,λ82.00000°. Principal axes: T 2.4500,Plg69.0000°,Azm336.0000° ; N -0.3800,Plg3.0000°,Azm237.0000°; P -2.0800,Plg20.0000°,Azm146.0000° M_o2.30000×10^{17}
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. Arctic Ocean. 252km west from Isachsen, Nu.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=114, comp=239, per= 50. Moment Tensor Solution. s107,c205; s41,c49; Moment tensor: Scale 10^{17}Nm; M_{rr}3.81±.03 $M_{\theta\theta}$-2.23±.04; $M_{\phi\phi}$-1.59±.04; $M_{r\theta}$0.35±.10; $M_{\theta\phi}$-1.88±.03; $M_{\phi r}$-0.91±.10; Best double couple: NP1:ϕ_s62.00000°,δ44.00000°,λ109.00000°. NP2:ϕ_s217.00000°,δ49.00000°,λ73.00000°. Principal axes: T 4.0400,Plg77.0000°,Azm60.0000°; N -0.2100,Plg13.0000°,Azm229.0000° ; P -3.8300,Plg2.0000°,Azm319.0000° M_o3.90000×10^{17}
SZGRF Arctic Ocean.

ISC XI 17 13 16 50.5–.10 79.70N–.01 115.6W–.20 10 4.8b,4.7s 744 5-168
BJI XI 17 13 16 45.0 79.50N 115.60W 10 5.4b,5.2s **¶13400437**
ISCJB XI 17 13 16 48.6–.10 79.71N–.01 115.6W–.20 10 4.8b,4.7s
MOS XI 17 13 16 48.4–.94 79.60N 115.67W 12 4.9b,4.7s
IDC XI 17 13 16 48.4–.35 79.68N 115.99W 0 4.6,4.6
OTT XI 17 13 16 50.3–.76 79.37N 115.04W 18 5.5b,4.6
NEIC XI 17 13 16 50.1–.16 79.69N 115.60W 10 4.7b,4.6
GCMT XI 17 13 16 51.4–.40 79.61N 116.81W 21–1 5.0W,4.6
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=0.3.
MOS Error ellipse: s-maj=37.2km s-min=4.7km az=88.7.
IDC Error ellipse: s-maj=11.8km s-min=9.2km az=114.0.
OTT Event type ke. Error ellipse: s-maj=6.7km s-min=5.1km az=-1.0. Arctic Ocean. Aftershock. 252km west from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.1km az=111.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s21,c22; s67,c80; Moment tensor: Scale 10^{16}Nm; M_{rr}3.55±.26 $M_{\theta\theta}$-0.68±.15; $M_{\phi\phi}$-2.87±.20; $M_{r\theta}$0.06±.27; $M_{\theta\phi}$-0.95±.10; $M_{\phi r}$-1.02±.29; Best double couple: NP1:ϕ_s26.00000°,δ38.00000°,λ99.00000°. NP2:ϕ_s194.00000°,δ53.00000°,λ83.00000°. Principal axes: T 3.7200,Plg80.0000° ,Azm74.0000°; N -0.3700,Plg6.0000°,Azm199.0000°; P -3.3500,Plg8.0000°,Azm289.0000° M_o3.50000×10^{16}

ISC XI 17 13 40 10.5–1.0 79.70N–.01 115.7W–.10 2–6 5.2b,4.8s 1247 5-170
BJI XI 17 13 40 05.3 79.70N 115.50W 10 5.4b,5.3s **¶11456731**
IDC XI 17 13 40 09.6–.30 79.67N 115.82W 0 5.0L,4.9b
MOS XI 17 13 40 09.5–.95 79.62N 115.69W 10 5.3b,4.7s
ISCJB XI 17 13 40 09.8–.08 79.707N–.01 115.6W–.10 10 5.2b,4.8s
OTT XI 17 13 40 11.1–.64 79.39N 115.04W 18 5.6b,4.8s
NEIC XI 17 13 40 11.5–.09 79.68N 115.65W 10 5.7L,5.1b
GCMT XI 17 13 40 12.1–.10 79.64N 116.09W 12–0 5.3W,5.1b
DJA XI 17 13 40 14 79.99N 115.81W 10 5.4b,5.1b
ISC Event type ke.
IDC Error ellipse: s-maj=10.6km s-min=8.1km az=105.0.
MOS Error ellipse: s-maj=25.7km s-min=3.2km az=87.4.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=11.4.
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=-1.0. Arctic Ocean. 253km west from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=1.8km az=110.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=192, per= 50. Moment Tensor Solution. s89,c140; s4,c4; Moment tensor: Scale 10^{17}Nm; M_{rr}1.13±.02 $M_{\theta\theta}$-0.43±.02; $M_{\phi\phi}$-0.70±.02; $M_{r\theta}$0.16±.05; $M_{\theta\phi}$-0.62±.02; $M_{\phi r}$-0.11±.05; Best double couple: NP1:ϕ_s209.00000°,δ46.00000°,λ76.00000°. NP2:ϕ_s49.00000°,δ46.00000°,λ104.00000°. Principal axes: T 1.1600,Plg80.0000°,Azm37.0000°; N 0.0400,Plg10.0000°,Azm219.0000° ; P -1.2000,Plg0.0000°,Azm129.0000° M_o1.20000×10^{17}

OTT XI 17 14 18 37.2–1.4 79.35N 115.16W 18 3.5L
¶12073862
OTT Event type ke. Error ellipse: s-maj=8.9km s-min=12.1km az=-1.0. Arctic Ocean. Aftershock. 240km west from Isachsen, Nu.

ISC XI 17 14 50 06.2–.31 79.40N–.03 113.6W–.20 10 4.1b 124 5-117
ISCJB XI 17 14 50 04.3–.31 79.43N–.03 113.6W–.20 10 4.1b **¶12073868**
IDC XI 17 14 50 05.5–.53 79.71N 115.48W 0 4.1,4.0
NEIC XI 17 14 50 07.4–.26 79.74N 115.23W 10 4.8L,4.3b
OTT XI 17 14 50 08.8–1.7 79.39N 114.52W 18 5.1b,4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.7km az=27.2.
IDC Error ellipse: s-maj=21.3km s-min=11.7km az=106.0.
NEIC Event type ke. Error ellipse: s-maj=7.4km s-min=4.9km az=113.0.
OTT Event type ke. Error ellipse: s-maj=8.9km s-min=14.3km az=-1.0. Arctic Ocean. Aftershock. 242km west from Isachsen, Nu.

OTT XI 17 15 38 26.4–1.6 79.38N 114.48W 18 4.4b
NEIC XI 17 15 38 26.4 79.35N 114.48W 18 4.0L **¶11458318**
OTT Event type ke. Error ellipse: s-maj=8.9km s-min=14.3km az=-1.0. Arctic Ocean. Aftershock. 242km west from Isachsen, Nu.
NEIC Event type se. After OTT.

OTT XI 17 15 48 43.3–.99 79.45N 115.28W 18 4.7b
¶12073872
OTT Event type ke. Error ellipse: s-maj=6.7km s-min=6.9km az=-1.0. Arctic Ocean. Aftershock. 259km west from Isachsen, Nu.

OTT XI 17 17 10 02.3–.91 79.62N 115.80W 18 3.5L
¶11458321
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=7.8km az=-1.0. Arctic Ocean. Aftershock. 274km northwest from Isachsen, Nu.

ISC XI 17 17 17 05.4–.10 79.70N–.01 115.7W–.10 10 4.7b,4.0s 790 5-163
BJI XI 17 17 17 01.0 79.70N 115.40W 10 5.2b,5.0b **¶11456740**
MOS XI 17 17 17 03.2–1.0 79.63N 115.75W 10 4.9b,4.1s
ISCJB XI 17 17 17 03.5–.10 79.71N–.01 115.7W–.10 10 4.7b,4.0s
IDC XI 17 17 17 03.2–.35 79.63N 115.73W 0 4.9L,4.6
NEIC XI 17 17 17 05.0–.15 79.69N 115.54W 10 5.2L,4.7b
OTT XI 17 17 17 05.2–.89 79.33N 115.04W 18 5.2L,4.7b
GCMT XI 17 17 17 06.2–.20 79.55N 116.50W 14–0 4.8W,4.7b
ISC Event type ke.
MOS Error ellipse: s-maj=37.8km s-min=4.4km az=88.4.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=1.8km az=5.1.
IDC Error ellipse: s-maj=12.0km s-min=9.3km az=101.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.0km az=98.0.
OTT Event type ke. Error ellipse: s-maj=7.8km s-min=6.6km az=-1.0. Arctic Ocean. Aftershock. 252km west from Isachsen, Nu.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s42,c53; s77,c108; Moment tensor: Scale 10^{16}Nm; M_{rr}2.27±.10 $M_{\theta\theta}$-1.24±.07; $M_{\phi\phi}$-1.03±.09; $M_{r\theta}$0.09±.15; $M_{\theta\phi}$-1.18±.05; $M_{\phi r}$-0.13±.19; Best double couple: NP1:ϕ_s51.00000°,δ45.00000°,λ96.00000°. NP2:ϕ_s224.00000°,δ45.00000°,λ85.00000°. Principal axes: T 2.2800,Plg86.0000° ,Azm52.0000°; N 0.0400,Plg4.0000°,Azm228.0000°; P -2.3200,Plg0.0000°,Azm318.0000° M_o2.30000×10^{16}

OTT XI 17 17 50 08.2–1.2 79.46N 114.92W 18 3.8L
¶12073884
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=10.8km az=-1.0. Arctic Ocean. Aftershock. 252km northwest from Isachsen, Nu.

ISC XI 17 21 49 36.3–1.3 79.12N–.09 114.4W–.40 10 29 5-37
ISCJB XI 17 21 49 33.3–1.5 79.2N–.10 114.5W–.40 10 **¶12073922**
OTT XI 17 21 49 37.1–3.2 79.44N 114.66W 18 3.1L
IDC XI 17 21 49 37.8–10 79.25N 114.20W 0 3.8,3.6L
NEIC XI 17 21 49 37.1 79.44N 114.66W 18 3.1L,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=17.2km s-min=10.8km az=160.6.
OTT Event type ke. Error ellipse: s-maj=11.1km s-min=27.7km az=-1.0. Arctic Ocean. Aftershock. 247km northwest from Isachsen, Nu.
IDC Error ellipse: s-maj=158.9km s-min=41.6km az=175.0.
NEIC Event type se. After OTT.

ISC XI 18 03 59 48.8–.76 79.712N–.01 115.52W–.10 9–4 5.5b,4.9s 1514 5-170
BJI XI 18 03 59 43.7 79.80N 115.30W 9 5.4s,5.4b **¶13400495**
ISCJB XI 18 03 59 45.7–.69 79.723N–.01 115.54W–.10 2–4 5.5b,4.9s
MOS XI 18 03 59 46.9–.90 79.62N 115.74W 11 5.6b,4.9s
IDC XI 18 03 59 46.8–.31 79.67N 115.76W 0 5.6L,5.1
OTT XI 18 03 59 48.7–.97 79.42N 114.76W 18 5.4W,5.1
NEIC XI 18 03 59 48.7–.10 79.69N 115.34W 10 5.6b,5.4W
BGS XI 18 03 59 48.8–2.4 79.69N 115.34W 10–0 5.4b,5.0s
GCMT XI 18 03 59 50.4–.10 79.74N 115.67W 14–0 5.4W,5.0s
DJA XI 18 03 59 51 79.90N 116.05W 10 5.6b,5.0s
SZGRF XI 18 04 00 05.6 81.61N 108.79W 33 5.0b,4.7s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.5km az=11.0.
MOS Error ellipse: s-maj=26.3km s-min=3.1km az=87.4.
IDC Error ellipse: s-maj=10.8km s-min=8.5km az=115.0.
OTT Event type ke. Error ellipse: s-maj=8.9km s-min=7.8km az=-1.0. Arctic Ocean. 247km west from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.9km az=105.0. Moment Tensor Solution. s77 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s359.00000°,δ70.00000°,λ93.00000°. NP2:ϕ_s171.00000° ,δ20.00000°,λ82.00000°. Principal axes: T 1.1900,Plg64.0000°,Azm273.0000° ; N -0.3000,Plg2.0000°,Azm178.0000°; P -0.9000,Plg24.0000°,Azm86.0000° M_o1.10000×10^{17}
BGS Error ellipse: s-maj=846.6km s-min=999.9km az=-1.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=218, per= 50. Moment Tensor Solution. s102,c187; s40,c41; Moment tensor: Scale 10^{17}Nm; M_{rr}1.50±.02 $M_{\theta\theta}$-0.17±.02; $M_{\phi\phi}$-1.33±.02; $M_{r\theta}$-0.26±.03; $M_{\theta\phi}$-0.12±.01; $M_{\phi r}$-0.04±.03; Best double couple: NP1:ϕ_s357.00000°,δ44.00000°,λ78.00000°. NP2:ϕ_s194.00000°,δ47.00000°,λ102.00000°. Principal axes: T 1.5400,Plg81.0000°,Azm176.0000°; N -0.2000,Plg8.0000°,Azm6.0000° ; P -1.3400,Plg1.0000°,Azm276.0000° M_o1.40000×10^{17}
SZGRF Arctic Ocean.

ISC XI 18 04 10 35.5–.08 79.78N–.01 115.8W–.10 10 5.1b,4.7s 939 5-170
BJI XI 18 04 10 31.2 79.80N 115.80W 9 5.4b,5.4b **¶13400497**
ISCJB XI 18 04 10 33.6–.08 79.79N–.01 115.8W–.10 10 5.1b,4.7s
MOS XI 18 04 10 33.3–.90 79.69N 115.78W 10 5.3b,4.7s
IDC XI 18 04 10 33.3–.33 79.72N 115.92W 0 4.9,4.9L
OTT XI 18 04 10 34.4–1.1 79.48N 115.48W 18 5.6b,4.9L
NEIC XI 18 04 10 35.2–.11 79.77N 115.87W 10 5.5L,5.2b
DJA XI 18 04 10 36 79.91N 115.46W 10 5.6b,5.2b
GCMT XI 18 04 10 36.1–.20 79.57N 116.36W 18–0 5.1W,5.2b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.0km s-min=1.5km az=9.1.
MOS Error ellipse: s-maj=30.7km s-min=3.7km az=87.6.
IDC Error ellipse: s-maj=12.1km s-min=8.8km az=118.0.
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=9.5km az=-1.0. Arctic Ocean. Aftershock. 240km west from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.4km az=119.0.
GCMT Event type se. Data Used: IU G II CN IC. Moment Tensor Solution. s30,c35; s90,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}5.94±.31 $M_{\theta\theta}$-2.51±.17; $M_{\phi\phi}$-3.43±.20; $M_{r\theta}$1.89±.38; $M_{\theta\phi}$-2.65±.10; $M_{\phi r}$-0.03±.40; Best double couple: NP1:ϕ_s208.00000°,δ40.00000°,λ71.00000°. NP2:ϕ_s53.00000°,δ52.00000°,λ105.00000°. Principal axes: T 6.3800,Plg76.0000° ,Azm16.0000°; N -0.6000,Plg12.0000°,Azm223.0000°; P -5.7900,Plg6.0000°,Azm132.0000° M_o6.10000×10^{16}

ISC XI 18 04 52 50.4–1.1 79.75N–.01 115.5W–.10 3–7 5.3b,4.7s 1321 5-170
BJI XI 18 04 52 46.3 79.70N 115.30W 10 5.5b,5.5b **¶13400501**
BGS XI 18 04 52 46.2–2.4 78.75N 115.45W 10–0 5.2b,5.5b
MOS XI 18 04 52 49.8–.84 79.70N 115.76W 12 5.4b,4.6s
IDC XI 18 04 52 49.2–.32 79.69N 115.63W 0 5.0,5.0
ISCJB XI 18 04 52 49.6–.07 79.754N–.01 115.5W–.10 10 5.3b,4.7s
OTT XI 18 04 52 49.8–1.3 79.53N 115.68W 18 5.5b,4.7s
GCMT XI 18 04 52 51.6–.10 79.66N 116.22W 12 5.2W,4.7s
NEIC XI 18 04 52 51.3–.10 79.74N 115.45W 10 5.6L,5.3b
DJA XI 18 04 52 53 79.91N 115.33W 10 5.6b,5.3b
ISC Event type ke.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=26.9km s-min=3.3km az=87.2.
IDC Error ellipse: s-maj=10.6km s-min=8.7km az=109.0.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=10.4.
OTT Event type ke. Error ellipse: s-maj=6.7km s-min=11.1km az=-1.0. Arctic Ocean. Aftershock. 270km northwest from Isachsen, Nu.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=103, comp=184, per= 50. Moment Tensor Solution. s87,c143; s21,c21; Moment tensor: Scale 10^{16}Nm; M_{rr}8.24±.12 $M_{\theta\theta}$-3.39±.12; $M_{\phi\phi}$-4.85±.14; $M_{r\theta}$1.34±.35; $M_{\theta\phi}$-4.05±.10; $M_{\phi r}$0.42±.36; Best double couple: NP1:ϕ_s215.00000°,δ41.00000°,λ82.00000°. NP2:ϕ_s45.00000°,δ49.00000°,λ97.00000°. Principal axes: T 8.3900,Plg83.0000°,Azm2.0000°; N -0.0700,Plg5.0000°,Azm221.0000° ; P -8.3200,Plg4.0000°,Azm130.0000° M_o8.40000×10^{16}
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.1km az=109.0.

ISC XI 18 05 14 09.0–.90 79.14N–.07 114.6W–.30 10 3.5b 58 5-82
IDC XI 18 05 14 06.5–2.0 79.68N 115.13W 0 4.1L,4.0 **¶12073968**
OTT XI 18 05 14 08.8–.78 79.42N 115.08W 18 4.0L,4.0
NEIC XI 18 05 14 08.8 79.39N 115.08W 18 4.0L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=47.2km s-min=28.5km az=128.0.
OTT Event type ke. Error ellipse: s-maj=6.7km s-min=5.9km az=-1.0. Arctic Ocean. Aftershock. 254km west from Isachsen, Nu.
NEIC Event type se. After OTT.

ISC XI 18 05 37 26.6–2.0 79.75N–.01 115.2W–.10 2–12 4.8b,4.1s 877 5-170
BJI XI 18 05 37 22.8 79.70N 115.00W 10 5.3b,5.1s **¶13400504**
ISCJB XI 18 05 37 26.0–.10 79.75N–.01 115.2W–.10 10 4.8b,4.1s
MOS XI 18 05 37 25.8–1.1 79.70N 115.55W 11 4.9b,4.1s
IDC XI 18 05 37 25.8–.34 79.73N 115.37W 0 4.7,4.7L
OTT XI 18 05 37 26.7–.30 79.51N 115.28W 18 5.3b,4.7L
NEIC XI 18 05 37 27.7–.14 79.74N 115.04W 10 5.3L,4.8b
GCMT XI 18 05 37 27.8–.30 79.60N 116.22W 19–1 4.9W,4.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.6km s-min=1.8km az=9.1.
MOS Error ellipse: s-maj=39.3km s-min=4.0km az=88.5.
IDC Error ellipse: s-maj=12.7km s-min=8.9km az=92.0.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0. Arctic Ocean. Aftershock. 261km northwest from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=102.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s33,c38; s67,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}2.95±.19 $M_{\theta\theta}$-1.21±.13; $M_{\phi\phi}$-1.74±.15; $M_{r\theta}$0.59±.28; $M_{\theta\phi}$-0.93±.08; $M_{\phi r}$-0.80±.29; Best double couple: NP1:ϕ_s50.00000°,δ44.00000°,λ111.00000°. NP2:ϕ_s202.00000°,δ50.00000°,λ71.00000°. Principal axes: T 3.2100,Plg75.0000° ,Azm48.0000°; N -0.7500,Plg14.0000°,Azm215.0000°; P -2.4600,Plg3.0000°,Azm305.0000° M_o2.80000×10^{16}

OTT XI 18 06 03 02.9–2.2 79.52N 114.40W 18 3.9L
¶12612055
OTT Event type ke. Error ellipse: s-maj=11.1km s-min=19.0km az=-1.0. Arctic Ocean. Aftershock. 244km northwest from Isachsen, Nu.

ISC XI 18 07 05 13.2–.12 79.76N–.01 115.0W–.20 10 4.7b,3.9s 658 5-163
BJI XI 18 07 05 08.9 79.80N 114.70W 10 5.3b,5.0s **¶11457633**
IDC XI 18 07 05 10.8–.38 79.74N 115.14W 0 4.6L,4.6
OTT XI 18 07 05 11.6–1.0 79.52N 115.40W 18 5.3b,4.6
ISCJB XI 18 07 05 11.2–.12 79.77N–.01 115.1W–.20 10 4.7b,3.9s
MOS XI 18 07 05 11.7–1.0 79.75N 115.60W 11 4.8b,3.9s
NEIC XI 18 07 05 12.7–.19 79.79N 114.85W 10 5.0L,4.7b
ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=9.5km az=89.0.
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=9.1km az=-1.0. Arctic Ocean. Aftershock. 263km northwest from Isachsen, Nu.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.1km az=3.4.
MOS Error ellipse: s-maj=80.9km s-min=9.2km az=87.4.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.8km az=99.0.

OTT XI 18 07 07 57.9–3.6 79.44N 115.52W 18 3.6L
¶12073977

OTT Event type ke. Error ellipse: s-maj=16.7km s-min=26.7km az=-1.0. Arctic Ocean. Aftershock. 264km west from Isachsen, Nu.
OTT XI 18 20 15 45.1–3.4 79.45N 113.47W 18 3.8L
¶11479699
OTT Event type ke. Error ellipse: s-maj=10.0km s-min=29.3km az=-1.0. Arctic Ocean. Aftershock. 223km northwest from Isachsen, Nu.
ISC XI 19 05 19 51.5–.20 79.77N–.02 114.5W–.20 10 4.5b,3.6s 429 5-117
ISCJB XI 19 05 19 49.7–.20 79.77N–.02 114.6W–.20 10 4.5b,3.6s **¶11474918**
IDC XI 19 05 19 49.5–.44 79.73N 115.30W 0 4.5L,4.4
OTT XI 19 05 19 50.6–.85 79.49N 115.40W 18 5.1b,4.4
NEIC XI 19 05 19 51.5–.21 79.78N 114.71W 10 4.7L,4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=1.0.
IDC Error ellipse: s-maj=15.6km s-min=10.3km az=97.0.
OTT Event type ke. Error ellipse: s-maj=4.4km s-min=7.5km az=-1.0. Arctic Ocean. Aftershock. 263km northwest from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.7km az=118.0.
OTT XI 19 15 11 45.5–1.7 79.17N 115.80W 18 3.8L
¶11479712
OTT Event type ke. Error ellipse: s-maj=14.5km s-min=8.4km az=-1.0. Arctic Ocean. Aftershock. 240km west from Isachsen, Nu.
ISC XI 19 21 40 21.8–.21 79.32N–.02 115.2W–.20 10 4.5b,3.4s 192 5-124
ISCJB XI 19 21 40 19.9–.21 79.32N–.02 115.1W–.20 10 4.5b,3.4s **¶11479714**
IDC XI 19 21 40 22.1–.44 79.71N 115.74W 0 4.8L,4.5
OTT XI 19 21 40 23.7–.88 79.43N 115.16W 18 5.2b,4.5
NEIC XI 19 21 40 23.4–.29 79.67N 115.10W 10 4.8L,4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.5km az=4.3.
IDC Error ellipse: s-maj=15.9km s-min=10.7km az=104.0.
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=6.7km az=-1.0. Arctic Ocean. Aftershock. 277km northwest from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.9km az=107.0.
ISC XII 14 03 20 13.8–.25 79.61N–.04 115.3W–.20 10 4.2b 122 5-82
ISCJB XII 14 03 20 11.6–.26 79.55N–.04 115.1W–.20 10 4.2b **¶12077385**
IDC XII 14 03 20 12.7–.55 79.69N 115.69W 0 4.1,4.1
OTT XII 14 03 20 13.8–.51 79.44N 115.44W 18 4.9b,4.1
NEIC XII 14 03 20 14.3–.22 79.71N 115.73W 10 4.3L,4.0b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=5.2km az=12.9.
IDC Error ellipse: s-maj=18.6km s-min=11.9km az=95.0.
OTT Event type ke. Error ellipse: s-maj=4.4km s-min=4.1km az=-1.0. Arctic Ocean, aftershock. 262km west from Isachsen, Nu.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.4km az=108.0.
ISC XII 19 16 58 05.3–1.1 79.05N–.08 113.7W–.40 10 23 5-38
ISCJB XII 19 16 58 03.7–1.0 79.03N–.09 113.7W–.40 10 **¶11517214**
NEIC XII 19 16 58 03.9 79.47N 114.83W 18 3.7L
OTT XII 19 16 58 03.9–2.0 79.47N 114.83W 18 3.7L
IDC XII 19 16 58 07.3–2.1 79.16N 113.34W 0 4.1b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.4km s-min=10.4km az=1.3.
NEIC Event type se. After OTT.
OTT Event type ke. Error ellipse: s-maj=7.8km s-min=17.7km az=-1.0. Arctic Ocean. Aftershock. 251km northwest from Isachsen, Nu.
IDC Error ellipse: s-maj=40.6km s-min=29.5km az=89.0.

(635) Near north coast of Kalaallit Nunaat.

ISC VIII 15 15 52 49.8–1.3 82.10N–.02 17.5W–.10 3–8 4.8b,4.0s 1043 5-172
BJI VIII 15 15 52 46.7 82.10N 17.50W 10 4.9b,4.7b **¶13391811**
MOS VIII 15 15 52 48.4–.94 82.01N 17.37W 10 4.9b,4.7b
IDC VIII 15 15 52 49.1–.40 82.10N 17.79W 0 5.0L,4.7
ISCJB VIII 15 15 52 49.2–1.2 82.09N–.03 17.6W–.10 11–7 4.8b,4.0s
NEIC VIII 15 15 52 50.8–.11 82.09N 17.47W 10 4.9b,4.0s
CSEM VIII 15 15 52 50.2–.06 82.12N 17.42W 10 4.8b,4.2s
GCMT VIII 15 15 52 50.6–.30 82.23N 18.58W 12 4.8W,4.2s
NAO VIII 15 15 52 57.7 81.60N 16.39W 33 4.7b,4.2s
SZGRF VIII 15 15 53 02.2 81.17N 12.68W 10 4.8b,3.7s
ISC Event type ke.
MOS Error ellipse: s-maj=34.8km s-min=5.8km az=93.3.
IDC Error ellipse: s-maj=13.2km s-min=9.3km az=19.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=2.0km az=20.9.
NEIC Event type ke. Error ellipse: s-maj=4.1km s-min=1.9km az=29.0.
CSEM Event type ke. Error ellipse: s-maj=4.0km s-min=2.1km az=28.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s22,c27; s59,c82; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.37±.10 $M_{\theta\theta}$-0.34±.11; $M_{\phi\phi}$1.70±.07; $M_{r\theta}$-0.04±.43; $M_{\theta\phi}$-0.94±.07; $M_{\phi r}$-0.22±.28; Best double couple: NP1:ϕ_s149.00000°,δ43.00000° ,λ-104.00000°. NP2:ϕ_s348.00000°,δ49.00000°,λ-78.00000°. Principal axes: T 2.0800,Plg3.0000°,Azm69.0000°; N -0.6800,Plg9.0000°,Azm159.0000° ; P -1.4000,Plg80.0000°,Azm320.0000° M_o1.70000×10^{16}
SZGRF Near north coast of Kalaallit Nunaat.

(636) Eastern Kalaallit Nunaat.

ISC VII 21 00 24 36.2–1.6 71.89N–.04 25.0W–.10 14–10 3.8b 82 2-59
ISCJB VII 21 00 24 33.6–1.5 71.86N–.04 25.0W–.10 11–10 3.8b **¶11153535**
IDC VII 21 00 24 34.2–.88 71.89N 25.08W 0 3.9,3.8
CSEM VII 21 00 24 35.9–.14 71.91N 25.03W 15 4.1b,3.8
NEIC VII 21 00 24 35.7–.24 71.90N 25.08W 10 4.1b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.6km s-min=5.4km az=24.8.
IDC Error ellipse: s-maj=25.1km s-min=14.7km az=4.0.
CSEM Event type ke. Error ellipse: s-maj=6.1km s-min=4.3km az=12.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.1km az=189.0.
ISC VIII 13 00 46 07.6–.51 66.48N–.07 35.9W–.10 10 3.9b 47 6-89
ISCJB VIII 13 00 46 05.7–.52 66.49N–.08 35.9W–.10 10 3.9b **¶11180499**
IDC VIII 13 00 46 05.8–1.2 66.41N 35.83W 0 4.0,3.8
NEIC VIII 13 00 46 10.4–2.9 66.45N 35.86W 32–21 4.0b,3.8
CSEM VIII 13 00 46 11.0–.24 66.49N 35.92W 40 4.1b,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.3km s-min=8.3km az=175.5.
IDC Error ellipse: s-maj=41.0km s-min=17.6km az=1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.7km az=179.0.
CSEM Event type ke. Error ellipse: s-maj=10.0km s-min=7.6km az=174.0.
ISC IX 04 18 31 28.7–.62 78.59N–.06 18.7W–.30 10 3.5b 33 2-60
ISCJB IX 04 18 31 26.5–.62 78.56N–.06 18.9W–.40 10 3.5b **¶11909477**
IDC IX 04 18 31 27.1–.95 78.56N 19.05W 0 3.7L,3.7
NEIC IX 04 18 31 28.6–.63 78.58N 18.90W 10 3.8b,3.7
CSEM IX 04 18 31 28.1–.28 78.59N 18.91W 10 3.8b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=8.0km az=24.7.
IDC Error ellipse: s-maj=31.5km s-min=16.6km az=18.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.1km az=196.0.
CSEM Event type ke. Error ellipse: s-maj=10.4km s-min=8.4km az=139.0.

(637) Iceland region.

ISC VII 23 01 09 28.2–.94 62.4N–.10 26.4W–.30 10 3.9b,3.0s 32 3-57
ISCJB VII 23 01 09 26.3–.91 62.4N–.10 26.5W–.30 10 3.9b,3.0s **¶11812410**
CSEM VII 23 01 09 27.8 62.34N 26.35W 10 4.2b,3.0s
IDC VII 23 01 09 27.5–2.2 62.59N 26.52W 0 3.8,3.6
NEIC VII 23 01 09 27.8–.93 62.34N 26.35W 10 4.2b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=11.0km az=140.4.
CSEM Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After NEIC.
IDC Error ellipse: s-maj=107.2km s-min=31.4km az=4.0.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=10.8km az=50.0.
REY VII 23 08 17 24.9 66.27N 16.83W 9 3.7L,3.5L
CSEM VII 23 08 17 24.9 66.27N 16.83W 9 3.5L,3.5L **¶14680917**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
ISC VII 23 12 36 50.5–.67 66.52N–.03 17.68W–.06 4–3 3.5b 40 0-55
ISCJB VII 23 12 36 49.7–.74 66.57N–.04 17.71W–.06 14–3 3.5b **¶12698403**
CSEM VII 23 12 36 50.4 66.58N 17.70W 15 3.7L
REY VII 23 12 36 50.4 66.58N 17.70W 15 3.9L,3.7L
IDC VII 23 12 36 50.9–1.3 66.39N 17.58W 0 3.7,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.2km s-min=4.3km az=6.8.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
REY Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=23.8km az=122.0.
REY VII 23 13 10 01.4 66.59N 17.70W 14 3.6L,3.5L
CSEM VII 23 13 10 01.4 66.59N 17.70W 14 3.5L,3.5L **¶14680919**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
REY VII 23 13 15 38.1 66.59N 17.72W 14 3.6L,3.5L
CSEM VII 23 13 15 38.1 66.59N 17.72W 14 3.5L,3.5L **¶14680920**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
ISC VII 23 18 34 22.2–.56 66.53N–.03 17.67W–.06 7–3 3.6b 57 0-52
CSEM VII 23 18 34 20.9–.22 66.59N 17.68W 12 3.7L **¶11812464**
ISCJB VII 23 18 34 21.7–.60 66.56N–.03 17.69W–.06 13–3 3.6b
IDC VII 23 18 34 22.9–1.0 66.34N 17.56W 0 3.9,3.8b
REY VII 23 18 34 22.6 66.57N 17.67W 9 4.0L,3.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=17.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=4.1km az=0.7.
IDC Error ellipse: s-maj=28.9km s-min=17.9km az=171.0.
REY Event type ke.
ISC VII 23 18 35 02.0–.43 66.45N–.02 17.69W–.04 2–2 4.2s,4.2b 300 0-83
IDC VII 23 18 35 01.2–.58 66.36N 17.72W 0 4.1,4.0b **¶12698409**
MOS VII 23 18 35 01.4–.94 66.43N 17.74W 9 4.3b,4.0b
REY VII 23 18 35 01.2 66.57N 17.68W 10 4.3L,4.3L
CSEM VII 23 18 35 01.3–.12 66.48N 17.67W 2 4.2b,4.3L
ISCJB VII 23 18 35 01.3–.40 66.48N–.02 17.69W–.04 8–2 4.2s,4.2b
NEIC VII 23 18 35 03.5–.22 66.44N 17.62W 10 4.3b,4.2b
BJI VII 23 18 35 04.0 67.26N 17.16W 5 4.9b,4.8b
SZGRF VII 23 18 35 11.8 65.76N 17.67W 33 4.3b,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=18.2km s-min=11.0km az=0.0.
MOS Error ellipse: s-maj=15.6km s-min=5.5km az=104.4.
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=3.6km s-min=3.1km az=50.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.7km az=147.1.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.8km az=218.0.
SZGRF Iceland.
REY VII 23 18 53 58.6 66.56N 17.67W 10 3.6L,3.4L
CSEM VII 23 18 53 58.6 66.56N 17.67W 10 3.4L,3.4L **¶14680921**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
ISC VII 23 20 42 49.5–.49 66.51N–.02 17.63W–.05 2–2 4.1b,3.9s 229 0-134
ISCJB VII 23 20 42 48.8–.44 66.54N–.02 17.64W–.05 7–2 4.1b,3.9s **¶11169695**
CSEM VII 23 20 42 49.7–.13 66.48N 17.66W 5 4.3b,3.6s
REY VII 23 20 42 49.5 66.58N 17.67W 14 4.6L,4.2L
IDC VII 23 20 42 49.4–.60 66.43N 17.68W 0 4.1,4.0
NEIC VII 23 20 42 51.1–.27 66.47N 17.69W 10 4.2b,4.0
SZGRF VII 23 20 42 53.0 67.15N 16.80W 16 4.2b,4.0
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.3km s-min=3.1km az=33.3.
CSEM Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=49.0.
REY Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=11.2km az=2.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.5km az=214.0.
SZGRF Iceland region.
REY VII 28 04 48 45.9 66.57N 17.70W 15 4.0L,3.8L
CSEM VII 28 04 48 45.9 66.57N 17.70W 15 3.8L,3.8L **¶14680959**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
REY VII 28 04 49 02.3 66.55N 17.70W 12 4.2L,3.8L
CSEM VII 28 04 49 02.3 66.55N 17.70W 12 3.8L,3.8L **¶14680962**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
REY VII 28 05 02 52.9 66.56N 17.72W 15 3.5L,3.4L
CSEM VII 28 05 02 52.9 66.56N 17.72W 15 3.4L,3.4L **¶14680963**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
ISC VII 28 07 09 55.2–.57 66.51N–.03 17.67W–.06 7–4 3.3b 39 0-44
ISCJB VII 28 07 09 54.5–.49 66.53N–.03 17.70W–.06 10 3.3b **¶12698464**
REY VII 28 07 09 55.1 66.58N 17.70W 16 4.5L,3.8L
CSEM VII 28 07 09 55.1 66.58N 17.70W 16 3.8L,3.8L
IDC VII 28 07 09 55.8–1.3 66.44N 17.84W 0 3.8,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.3km az=12.7.
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
IDC Error ellipse: s-maj=30.0km s-min=22.0km az=153.0.
REY VII 28 07 12 51.2 66.56N 17.73W 16 3.6L,3.3L
CSEM VII 28 07 12 51.2 66.56N 17.73W 16 3.3L,3.3L **¶14680967**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
REY VIII 02 22 00 55.2 66.54N 17.72W 11 3.5L,3.4L
CSEM VIII 02 22 00 55.2 66.54N 17.72W 11 3.4L,3.4L **¶14711398**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
REY VIII 18 13 21 58.7 66.54N 17.71W 15 4.0L,3.6L
CSEM VIII 18 13 21 58.7 66.54N 17.71W 15 3.6L,3.6L **¶14711474**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
REY VIII 19 16 22 12.6 66.53N 17.68W 10 3.6L,3.3L
CSEM VIII 19 16 22 12.6 66.53N 17.68W 10 3.3L,3.3L **¶14711480**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
ISC VIII 27 11 16 31.6–.28 68.53N–.02 17.70W–.10 10 4.1b,3.8s 176 2-171
ISCJB VIII 27 11 16 30.0–.28 68.56N–.02 17.7W–.10 10 4.1b,3.8s **¶11284038**
CSEM VIII 27 11 16 29.7–.19 68.56N 17.81W 2 3.6L,3.4s
REY VIII 27 11 16 29.9 68.63N 17.04W 15 3.6L,3.5L
IDC VIII 27 11 16 30.2–.66 68.56N 17.56W 0 4.1,3.9
MOS VIII 27 11 16 30.1–.91 68.67N 17.55W 10 4.5b,3.9
NEIC VIII 27 11 16 31.8–.23 68.62N 17.61W 10 4.3b,3.9
SZGRF VIII 27 11 16 37.7 68.84N 16.29W 33 4.3b,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=2.8km az=4.8.
CSEM Event type ke. Error ellipse: s-maj=6.6km s-min=4.2km az=93.0.
REY Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=14.2km az=24.0.
MOS Error ellipse: s-maj=18.2km s-min=6.4km az=99.9.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.0km az=55.0.
SZGRF Iceland region.
ISC VIII 27 13 05 19.7–.46 68.52N–.03 17.4W–.20 10 3.9b,3.8s 72 2-132
REY VIII 27 13 05 17.9 68.62N 16.97W 17 3.5L,3.5L **¶11908923**
ISCJB VIII 27 13 05 18.1–.46 68.54N–.03 17.4W–.20 10 3.9b,3.8s
IDC VIII 27 13 05 18.6–.75 68.62N 17.65W 0 4.1,4.0
CSEM VIII 27 13 05 18.0–.20 68.52N 17.43W 2 3.5L,4.0
NEIC VIII 27 13 05 20.2–.44 68.67N 17.56W 10 4.1b,4.0
ISC Event type ke.
REY Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.0km s-min=3.4km az=14.3.
IDC Error ellipse: s-maj=20.9km s-min=16.9km az=10.0.
CSEM Event type ke. Error ellipse: s-maj=8.7km s-min=3.7km az=105.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.0km az=118.0.
REY IX 16 07 24 52.0 63.95N 22.11W 6 4.0L,3.5L
CSEM IX 16 07 24 52.0 63.95N 22.11W 6 4.0L,3.5L **¶14769093**
REY Event type ke.
CSEM Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.
ISC X 20 02 35 20.9–.39 66.29N–.03 16.88W–.06 10 3.3b 53 0-62
ISCJB X 20 02 35 19.8–.39 66.32N–.03 16.86W–.06 10 3.3b **¶12069097**

CSEM	X	20 02 35 20.2–.18	66.30N	16.88W	2	4.2L		
IDC	X	20 02 35 20.9–1.1	66.36N	17.16W	0	3.8,3.6		
REY	X	20 02 35 20.5	66.32N	16.82W	4	4.2L,4.2L		
NEIC	X	20 02 35 21.8–.70	66.30N	16.97W	10	4.2L,4.2L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.9km s-min=3.6km az=163.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.3km s-min=3.8km az=174.0.							
IDC	Error ellipse: s-maj=31.1km s-min=16.7km az=175.0.							
REY	Event type ke.							
NEIC	Event type se. Error ellipse: s-maj=15.8km s-min=10.4km az=184.0.							
REY	**XI**	**04 17 47 27.3**	**63.84N**	**22.48W**	**5**	**4.0L,3.6L**		
CSEM	XI	04 17 47 27.3	63.84N	22.48W	5	4.0L,3.6L	**¶15108574**	
REY	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.							
REY	**XII**	**06 14 16 34.6**	**63.96N**	**21.40W**	**7**	**3.8L,3.4L**		
CSEM	XII	06 14 16 34.6	63.96N	21.40W	7	3.8L,3.4L	**¶15119398**	
REY	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.							

(638) Iceland.

REY	**VII**	**15 09 46 26.3**	**64.76N**	**17.28W**	**9**	**3.7L,3.0L**		
CSEM	VII	15 09 46 26.3	64.76N	17.28W	9	3.7L,3.0L	**¶14686401**	
REY	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.							
REY	**VII**	**15 09 47 26.2**	**64.76N**	**17.28W**	**8**	**3.5L,2.8L**		
CSEM	VII	15 09 47 26.2	64.76N	17.28W	8	3.5L,2.8L	**¶14686404**	
REY	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.							
REY	**IX**	**20 18 55 17.9**	**64.50N**	**17.78W**	**10**	**3.6L,3.2L**		
CSEM	IX	20 18 55 17.9	64.50N	17.78W	10	3.6L,3.2L	**¶14769132**	
REY	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.							
REY	**X**	**17 10 42 06.2**	**64.47N**	**17.71W**	**7**	**4.1L,3.5L**		
CSEM	X	17 10 42 06.2	64.47N	17.71W	7	4.1L,3.5L	**¶15076149**	
REY	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=9999.9km s-min=9999.9km az=-99.0. After REY.							

(639) Jan Mayen Island region.

ISC	**VII**	**21 07 55 43.1–2.1**	**70.53N–.04**	**14.2W–.20**	**17–15**	**3.4b**	**44**	**2-58**
ISCJB	VII	21 07 55 40.4–.57	70.51N–.04	14.2W–.20	10	3.4b	**¶11812250**	
IDC	VII	21 07 55 41.8–1.1	70.74N	13.79W	0	3.9,3.8		
NEIC	VII	21 07 55 42.9–.57	70.75N	13.84W	10	3.9,3.8		
CSEM	VII	21 07 55 43.0–.24	70.58N	14.18W	20	3.8L,3.8		
REY	VII	21 07 55 45.0	70.11N	13.03W	10	3.8L,3.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=9.1km s-min=4.7km az=26.3.							
IDC	Error ellipse: s-maj=24.6km s-min=19.4km az=28.0.							
NEIC	Event type se. Error ellipse: s-maj=11.1km s-min=8.8km az=25.0.							
CSEM	Event type ke. Error ellipse: s-maj=9.1km s-min=5.3km az=111.0.							
REY	Event type ke.							
ISC	**VII**	**21 20 02 57.4–1.4**	**70.70N–.06**	**14.4W–.30**	**10**		**24**	**3-8**
CSEM	VII	21 20 02 57.4–.82	70.69N	14.31W	10	3.5L	**¶14680910**	
REY	VII	21 20 02 59.7	70.26N	12.88W	10	3.5L,3.2L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=21.0km s-min=9.6km az=67.0.							
REY	Event type ke.							
ISC	**VII**	**22 06 58 38.9–1.7**	**70.65N–.08**	**14.7W–.30**	**10**		**19**	**2-6**
CSEM	VII	22 06 58 38.6–.97	70.65N	14.57W	10	3.6L	**¶14680914**	
REY	VII	22 06 58 40.0	70.31N	13.06W	10	3.6L,3.1L		
ISC	Event type ke.							
CSEM	Event type ke. Error ellipse: s-maj=24.0km s-min=10.7km az=55.0.							
REY	Event type ke.							
ISC	**VIII**	**03 20 14 31.8–.63**	**70.9N–.10**	**6.7W–.10**	**10**		**30**	**1-9**
ISCJB	VIII	03 20 14 29.5–.61	70.92N–.10	6.5W–.10	10		**¶11783312**	
NEIC	VIII	03 20 14 31.7–.75	70.79N	6.61W	10	3.9L		
CSEM	VIII	03 20 14 31.8–.28	70.90N	6.63W	10	4.0L		
BER	VIII	03 20 14 34.6–1.2	70.84N	6.90W	5–0	4.0L,3.4		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=14.3km s-min=4.5km az=7.4.							
NEIC	Event type se. Error ellipse: s-maj=21.4km s-min=7.0km az=198.0.							
CSEM	Event type ke. Error ellipse: s-maj=13.7km s-min=5.0km az=10.0.							
BER	Error ellipse: s-maj=17.8km s-min=18.2km az=-1.0.							
ISC	**IX**	**17 02 53 38.1–1.0**	**71.0N–.10**	**6.4W–.20**	**24–14**	**3.5b,2.3s**	**41**	**1-58**
IDC	IX	17 02 53 34.4–1.3	71.12N	6.64W	0	3.7b,3.7	**¶11656395**	
ISCJB	IX	17 02 53 36.1–1.0	71.0N–.10	6.1W–.20	21–15	3.5b,2.3s		
NEIC	IX	17 02 53 36.0–.86	71.04N	6.51W	10	3.5b,2.3s		
CSEM	IX	17 02 53 36.8–.27	70.99N	6.25W	10	2.6L,2.3s		
BER	IX	17 02 53 39.9–2.1	70.98N	6.53W	10–0	2.6L,1.9		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=39.1km s-min=12.6km az=176.0.							
ISCJB	Event type ke. Error ellipse: s-maj=20.1km s-min=9.2km az=180.0.							
NEIC	Event type se. Error ellipse: s-maj=16.1km s-min=9.1km az=172.0.							
CSEM	Event type ke. Error ellipse: s-maj=16.7km s-min=4.8km az=6.0.							
BER	Error ellipse: s-maj=26.7km s-min=16.0km az=-1.0.							
ISC	**IX**	**28 19 52 26.1–.09**	**71.41N–.02**	**4.14W–.05**	**10**	**4.8b,4.1s**	**1009**	**1-146**
NAO	IX	28 19 52 22.2–1.4	71.24N	4.55W		3.6L,4.1s	**¶13395402**	
BJI	IX	28 19 52 22.8	71.62N	4.96W	11	5.3b,5.1s		
ISCJB	IX	28 19 52 24.2–.09	71.44N–.02	4.25W–.06	10	4.8b,4.1s		
CSEM	IX	28 19 52 24.1–.10	71.40N	4.38W	2	4.9b,4.8W		
IDC	IX	28 19 52 24.3–.47	71.41N	4.30W	0	4.4,4.4		
GCMT	IX	28 19 52 24.6–.30	71.44N	4.03W	12	4.8W,4.4		
MOS	IX	28 19 52 24.3–1.2	71.46N	3.98W	10	5.1b,4.0s		
NEIC	IX	28 19 52 25.8–.16	71.41N	4.44W	10	5.0b,4.0s		
BER	IX	28 19 52 25.4–3.1	71.54N	4.72W	10–0	3.4L,2.8		
SZGRF	IX	28 19 52 33.0	71.16N	3.15W	33	5.0b,3.4s		
BGS	IX	28 19 52 34.5–1.7	70.65N	3.84W	10–0	5.0b,3.4s		
ISC	Event type ke.							
NAO	Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.1km s-min=1.6km az=139.3.							
CSEM	Event type ke. Error ellipse: s-maj=4.2km s-min=3.3km az=65.0.							
IDC	Error ellipse: s-maj=13.8km s-min=11.0km az=42.0.							
GCMT	Event type se. Data Used: IU G CN IC II. Moment Tensor Solution. s17,c19; s66,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.93±.06 $M_{\theta\theta}$0.74±.06; $M_{\phi\phi}$1.19±.06; $M_{r\theta}$0.29±.26; $M_{\theta\phi}$0.87±.05; $M_{\phi r}$-0.85±.22; Best double couple: NP1:ϕ_s234.00000°,δ40.00000°,λ-63.00000°. NP2:ϕ_s20.00000°,δ55.00000°,λ-111.00000°. Principal axes: T 1.9300,Plg8.0000° ,Azm125.0000°; N 0.3000,Plg17.0000°,Azm32.0000°; P -2.2300,Plg71.0000°,Azm238.0000° M_o2.10000×10^{16}							
MOS	Error ellipse: s-maj=14.6km s-min=3.1km az=96.2.							
NEIC	Event type se. Error ellipse: s-maj=4.0km s-min=3.0km az=62.0.							
BER	Error ellipse: s-maj=16.9km s-min=17.7km az=-1.0.							
SZGRF	Jan Mayen Island region.							
BGS	Error ellipse: s-maj=45.7km s-min=151.4km az=-1.0.							
ISC	**IX**	**28 22 20 21.3–.07**	**71.26N–.01**	**4.08W–.04**	**10**	**5.2b,5.1s**	**1859**	**1-173**
NAO	IX	28 22 20 15.5–1.4	71.21N	4.48W		3.5L,5.1s	**¶12789618**	
CSEM	IX	28 22 20 18.7–.06	71.31N	3.92W	2	5.5W,5.3b		
IDC	IX	28 22 20 18.6–.38	71.35N	3.85W	0	4.9,4.9		
BER	IX	28 22 20 18.4–2.7	71.28N	4.32W	8–19	3.7L,4.9		
ISCJB	IX	28 22 20 19.4–.07	71.28N–.01	4.22W–.04	10	5.2b,5.1s		
BGS	IX	28 22 20 19.7–1.8	71.19N	3.06W	10–0	5.2b,4.7s		
MOS	IX	28 22 20 19.4–1.2	71.30N	4.21W	10	5.4b,4.9s		
NEIC	IX	28 22 20 21.1–.11	71.33N	3.88W	10	5.5W,5.3b		
GCMT	IX	28 22 20 21.1–.10	71.39N	4.11W	12	5.5W,5.3b		
BJI	IX	28 22 20 22.3	71.89N	3.66W	8	5.4b,5.3s		
SZGRF	IX	28 22 20 29.7	70.82N	2.90W	33	5.2b,4.4s		
ISC	Event type ke.							
NAO	Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=56.0.							
IDC	Error ellipse: s-maj=11.3km s-min=9.2km az=55.0.							
BER	Error ellipse: s-maj=9.0km s-min=15.3km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=2.5km s-min=1.2km az=136.9.							
BGS	Error ellipse: s-maj=54.4km s-min=162.0km az=-1.0.							
MOS	Error ellipse: s-maj=12.7km s-min=2.7km az=97.0.							
NEIC	Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=53.0.							
GCMT	Event type se. Data Used: II IU IC G CN. Surface waves: sta=105, comp=223, per= 50. Moment Tensor Solution. s62,c92; s35,c39; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.01±.03 $M_{\theta\theta}$0.91±.03; $M_{\phi\phi}$1.10±.03; $M_{r\theta}$-0.30±.08; $M_{\theta\phi}$1.07±.02; $M_{\phi r}$-0.57±.07; Best double couple: NP1:ϕ_s227.00000°,δ37.00000°,λ-83.00000°. NP2:ϕ_s38.00000°,δ54.00000°,λ-95.00000°. Principal axes: T 2.1700,Plg9.0000°,Azm132.0000°; N -0.0600,Plg4.0000°,Azm41.0000° ; P -2.1200,Plg80.0000°,Azm284.0000° M_o2.10000×10^{17}							
SZGRF	Jan Mayen Island region.							
ISC	**IX**	**28 22 22 48.8–.37**	**71.44N–.04**	**4.4W–.20**	**10**	**4.3b**	**156**	**1-65**
ISCJB	IX	28 22 22 46.6–.36	71.50N–.04	4.5W–.10	10	4.3b	**¶11348116**	
IDC	IX	28 22 22 47.0–1.0	71.44N	4.43W	0	4.1,4.0L		
CSEM	IX	28 22 22 47.1–.15	71.44N	4.33W	2	4.5b,4.0L		
NEIC	IX	28 22 22 48.6–.29	71.44N	4.38W	10	4.5b,4.0L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=7.0km s-min=5.4km az=22.0.							
IDC	Error ellipse: s-maj=24.2km s-min=16.3km az=178.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=4.4km az=107.0.							
NEIC	Event type se. Error ellipse: s-maj=5.8km s-min=4.3km az=108.0.							
ISC	**IX**	**28 22 32 29.1–.49**	**71.24N–.06**	**3.2W–.20**	**10**	**3.8b**	**26**	**8-39**
ISCJB	IX	28 22 32 26.7–.50	71.27N–.06	3.1W–.20	10	3.8b	**¶11911300**	
IDC	IX	28 22 32 27.2–3.5	71.22N	3.30W	0	3.7,3.6		
NEIC	IX	28 22 32 29.0–.41	71.23N	3.17W	10	4.2b,3.6		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=9.3km s-min=6.9km az=11.6.							
IDC	Error ellipse: s-maj=53.6km s-min=25.9km az=101.0.							
NEIC	Event type se. Error ellipse: s-maj=7.8km s-min=5.9km az=193.0.							
ISC	**IX**	**28 22 57 38.2–.34**	**71.39N–.03**	**3.9W–.10**	**10**	**4.0b**	**179**	**9-127**
ISCJB	IX	28 22 57 36.1–.34	71.45N–.03	3.9W–.10	10	4.0b	**¶11348117**	
CSEM	IX	28 22 57 36.4–.13	71.39N	3.95W	2	4.3b		
IDC	IX	28 22 57 36.4–.86	71.35N	4.10W	0	3.8,3.6		
NEIC	IX	28 22 57 38.0–.24	71.39N	3.92W	10	4.3b,3.6		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.8km s-min=4.4km az=17.5.							
CSEM	Event type ke. Error ellipse: s-maj=5.4km s-min=3.6km az=102.0.							
IDC	Error ellipse: s-maj=22.8km s-min=16.0km az=50.0.							
NEIC	Event type se. Error ellipse: s-maj=5.1km s-min=3.5km az=101.0.							
ISC	**IX**	**28 23 13 08.0–.21**	**71.42N–.02**	**3.87W–.09**	**10**	**4.5b,3.7s**	**571**	**1-146**
NAO	IX	28 23 13 03.7–3.2	71.24N	4.58W	1–40	2.9L,3.7s	**¶13395416**	
ISCJB	IX	28 23 13 05.9–.21	71.46N–.02	4.03W–.10	10	4.5b,3.7s		
IDC	IX	28 23 13 05.9–.47	71.37N	4.27W	0	4.2,4.1		
BJI	IX	28 23 13 05.6	71.40N	3.80W	10	5.2b,5.0s		
MOS	IX	28 23 13 06.1–1.2	71.42N	4.07W	10	4.7b,5.0s		
BER	IX	28 23 13 07.3–2.1	71.58N	4.68W	20–30	3.1L,5.0s		
NEIC	IX	28 23 13 07.7–.24	71.38N	3.77W	10	4.7b,5.0s		
CSEM	IX	28 23 13 07.3–.13	71.42N	3.90W	10	4.5b,3.4s		
SZGRF	IX	28 23 13 13.0	71.40N	3.22W	33	4.7b,3.4s		
ISC	Event type ke.							
NAO	Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.5km az=165.8.							
IDC	Error ellipse: s-maj=13.5km s-min=11.3km az=52.0.							
MOS	Error ellipse: s-maj=16.7km s-min=3.3km az=96.8.							
BER	Error ellipse: s-maj=27.1km s-min=13.5km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=5.3km s-min=4.2km az=75.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=62.0.							
SZGRF	Jan Mayen Island region.							
ISC	**IX**	**28 23 34 51.9–.35**	**71.37N–.03**	**3.7W–.10**	**10**	**4.0b,3.5s**	**234**	**2-66**
NAO	IX	28 23 34 47.6–1.4	71.25N	4.51W		4.0b,3.5s	**¶13395417**	
IDC	IX	28 23 34 49.8–.78	71.29N	4.39W	0	3.9,3.8		
CSEM	IX	28 23 34 50.3–.16	71.37N	3.76W	2	4.2b,3.4s		
ISCJB	IX	28 23 34 50.2–.37	71.42N–.03	3.5W–.10	10	4.0b,3.5s		
NEIC	IX	28 23 34 51.6–.30	71.37N	3.81W	10	4.1b,3.5s		
BER	IX	28 23 34 52.4–2.7	71.43N	4.40W	17–34	2.8L,3.5s		
ISC	Event type ke.							
NAO	Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.							
IDC	Error ellipse: s-maj=18.3km s-min=14.6km az=31.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.8km s-min=3.9km az=105.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=19.2.							
NEIC	Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=99.0.							
BER	Error ellipse: s-maj=22.6km s-min=41.8km az=-1.0.							
ISC	**IX**	**29 00 35 35.4–.43**	**71.37N–.04**	**3.8W–.10**	**10**	**3.9b,3.2s**	**176**	**1-69**
NAO	IX	29 00 35 31.3–1.5	71.23N	4.64W		2.9L,3.2s	**¶13395420**	
CSEM	IX	29 00 35 33.7–.20	71.36N	3.95W	2	4.2b,2.9s		
ISCJB	IX	29 00 35 33.5–.44	71.43N–.04	3.5W–.10	10	3.9b,3.2s		
IDC	IX	29 00 35 33.2–.84	71.29N	4.17W	0	3.9,3.7		
NEIC	IX	29 00 35 34.4–.45	71.41N	4.20W	10	4.2b,3.7		
BER	IX	29 00 35 34.5–2.9	71.44N	4.62W	10–0	2.8L,3.7		
ISC	Event type ke.							
NAO	Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.							
CSEM	Event type ke. Error ellipse: s-maj=7.1km s-min=4.6km az=107.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.1km s-min=5.7km az=32.7.							
IDC	Error ellipse: s-maj=20.1km s-min=14.6km az=33.0.							
NEIC	Event type se. Error ellipse: s-maj=7.3km s-min=6.4km az=142.0.							
BER	Error ellipse: s-maj=18.9km s-min=15.9km az=-1.0.							
ISC	**IX**	**29 01 02 14.3–.41**	**71.35N–.04**	**3.7W–.10**	**10**	**3.9b,3.3s**	**172**	**2-66**
IDC	IX	29 01 02 13.0–.83	71.26N	3.91W	0	3.9,3.7	**¶13395422**	
CSEM	IX	29 01 02 12.6–.15	71.34N	3.84W	2	4.3b,3.1s		
ISCJB	IX	29 01 02 12.6–.43	71.40N–.04	3.4W–.20	10	4.0b,3.3s		
BER	IX	29 01 02 13.9–2.1	71.45N	4.38W	10–0	2.6L,3.3s		
NAO	IX	29 01 02 14.5–5.4	71.28N	2.95W		2.6L,3.3s		
NEIC	IX	29 01 02 14.0–.32	71.36N	3.79W	10	4.2b,3.3s		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=19.5km s-min=14.6km az=31.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=104.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=31.4.							
BER	Error ellipse: s-maj=24.1km s-min=81.1km az=-1.0.							
NAO	Error ellipse: s-maj=0.2km s-min=0.7km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=5.8km s-min=4.8km az=107.0.							
ISC	**IX**	**29 08 59 30.1–.55**	**71.31N–.07**	**4.8W–.20**	**10**	**3.3b**	**18**	**1-65**
NAO	IX	29 08 59 27.9–1.5	71.25N	4.69W		2.6L	**¶13395447**	
ISCJB	IX	29 08 59 28.3–.57	71.36N–.07	4.6W–.20	10	3.3b		
IDC	IX	29 08 59 29.7–.92	71.23N	4.73W	0	3.6,3.5L		
NAO	Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.							
ISCJB	Error ellipse: s-maj=10.6km s-min=7.5km az=166.3.							
IDC	Error ellipse: s-maj=22.5km s-min=17.2km az=24.0.							
ISC	**IX**	**29 11 03 55.7–.08**	**71.42N–.02**	**4.18W–.05**	**10**	**4.7b,4.0s**	**1055**	**1-161**
NAO	IX	29 11 03 51.8–1.3	71.23N	4.51W		3.3L,4.0s	**¶13395449**	
MOS	IX	29 11 03 52.8–.92	71.51N	4.73W	10	4.9b,4.0s		
CSEM	IX	29 11 03 53.8–.07	71.43N	4.19W	2	4.8W,4.8b		
ISCJB	IX	29 11 03 53.9–.09	71.43N–.02	4.40W–.06	10	4.7b,4.0s		
IDC	IX	29 11 03 53.7–.49	71.38N	4.41W	0	4.5,4.5L		
BER	IX	29 11 03 54.7–2.7	71.49N	4.70W	10–0	3.3L,3.0		
NEIC	IX	29 11 03 55.6–.13	71.40N	4.19W	10	4.8b,4.0s		
BJI	IX	29 11 03 55.7	71.92N	3.64W	10	5.1b,4.8s		
GCMT	IX	29 11 03 56.1–.20	71.34N	4.35W	12	4.8W,4.8s		
SZGRF	IX	29 11 04 06.2	70.78N	3.17W	33	4.8b,4.8s		
ISC	Event type ke.							
NAO	Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.							
MOS	Error ellipse: s-maj=19.3km s-min=3.2km az=96.6.							
CSEM	Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=54.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=1.6km az=135.4.							
IDC	Error ellipse: s-maj=15.4km s-min=11.3km az=60.0.							
BER	Error ellipse: s-maj=15.6km s-min=16.1km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=3.7km s-min=2.3km az=55.0.							
GCMT	Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s13,c17; s75,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.12±.08 $M_{\theta\theta}$1.71±.07; $M_{\phi\phi}$-0.59±.07; $M_{r\theta}$-0.13±.22; $M_{\theta\phi}$1.82±.06; $M_{\phi r}$-0.01±.21; Best double couple: NP1:ϕ_s196.00000°,δ84.00000°,λ-177.00000°. NP2:ϕ_s106.00000°,δ87.00000°,λ-6.00000°. Principal axes: T 2.7200,Plg2.0000° ,Azm151.0000°; N -1.1200,Plg83.0000°,Azm256.0000°; P -1.6000,Plg6.0000°,Azm61.0000° M_o2.20000×10^{16}							
SZGRF	Jan Mayen Island region.							

ISC	**IX**	**29 19 16 46.8–.10**	**71.28N–.01**	**4.32W–.05**	**10**	**4.6b,4.5s**	**907**	**1-146**
BJI	IX	29 19 16 41.4	71.30N	4.40W	10	5.2b,4.7s		**¶11322374**
ISCJB	IX	29 19 16 44.9–.10	71.28N–.02	4.51W–.05	10	4.6b,4.5s		
CSEM	IX	29 19 16 44.7–.09	71.32N	4.48W	2	4.7b,4.1s		
MOS	IX	29 19 16 44.7–1.1	71.39N	4.05W	10	4.8b,4.4s		
IDC	IX	29 19 16 44.8–.49	71.34N	4.44W	0	4.4L,4.4		
BER	IX	29 19 16 45.2–2.6	71.75N	4.53W	26–49	3.7L,2.7		
NEIC	IX	29 19 16 46.4–.15	71.34N	4.41W	10	4.7b,4.2s		
BGS	IX	29 19 16 49.2–1.9	71.01N	2.84W	10–0	4.9b,4.3s		
REY	IX	29 19 16 52.1	71.01N	6.01W	10	4.1L,3.1L		
SZGRF	IX	29 19 16 55.2	70.87N	3.62W	33	4.8b,3.1L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=137.7.							
CSEM	Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=37.0.							
MOS	Error ellipse: s-maj=16.6km s-min=3.1km az=96.8.							
IDC	Error ellipse: s-maj=13.2km s-min=10.7km az=33.0.							
BER	Error ellipse: s-maj=20.3km s-min=21.0km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=3.9km s-min=2.5km az=58.0.							
BGS	Error ellipse: s-maj=76.9km s-min=163.9km az=-1.0.							
REY	Event type ke.							
SZGRF	Jan Mayen Island region.							
ISC	**IX**	**29 19 20 22.7–.09**	**71.43N–.02**	**3.95W–.06**	**10**	**4.8b,4.7s**	**1001**	**2-146**
NAO	IX	29 19 20 18.2–1.4	71.26N	4.50W		3.3L,4.7s		**¶13395472**
BJI	IX	29 19 20 19.9	71.40N	4.20W	10	5.4b,5.0s		
MOS	IX	29 19 20 19.6–1.4	71.55N	4.01W	10	5.0b,4.7s		
ISCJB	IX	29 19 20 20.8–.10	71.45N–.02	4.12W–.06	10	4.8b,4.7s		
IDC	IX	29 19 20 21.4–.45	71.36N	4.34W	0	4.7,4.7s		
SZGRF	IX	29 19 20 21.0	72.16N	1.34W	33	4.9b,4.7s		
CSEM	IX	29 19 20 21.2–.10	71.42N	3.87W	2	4.9b,4.7s		
BER	IX	29 19 20 21.0–2.1	71.51N	4.57W	10–0	3.2L,2.9		
NEIC	IX	29 19 20 23.0–.21	71.36N	4.20W	10	5.0b,2.9		
ISC	Event type ke.							
NAO	Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.							
MOS	Error ellipse: s-maj=19.9km s-min=3.2km az=96.6.							
ISCJB	Event type ke. Error ellipse: s-maj=3.5km s-min=1.7km az=138.6.							
IDC	Error ellipse: s-maj=14.2km s-min=10.0km az=44.0.							
SZGRF	Jan Mayen Island region.							
CSEM	Event type ke. Error ellipse: s-maj=4.8km s-min=3.5km az=60.0.							
BER	Error ellipse: s-maj=14.6km s-min=15.7km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=57.0.							
ISC	**IX**	**29 19 28 04.2–.58**	**71.28N–.07**	**4.8W–.20**	**10**	**3.2b**	**14**	**1-65**
ISCJB	IX	29 19 28 02.3–.60	71.33N–.07	4.5W–.20	10	3.2b		**¶11911382**
IDC	IX	29 19 28 03.6–.94	71.21N	4.74W	0	3.8,3.6		
NEIC	IX	29 19 28 04.5–.64	71.28N	4.60W	10	3.8,3.6		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=9.9km s-min=8.8km az=7.1.							
IDC	Error ellipse: s-maj=22.0km s-min=15.4km az=22.0.							
NEIC	Event type se. Error ellipse: s-maj=11.4km s-min=9.9km az=63.0.							
ISC	**IX**	**29 23 19 29.7–.47**	**71.36N–.05**	**4.1W–.20**	**10**	**3.9b**	**100**	**1-65**
NAO	IX	29 23 19 25.4–1.6	71.22N	4.93W		2.6L		**¶13395488**
IDC	IX	29 23 19 27.9–.92	71.35N	4.47W	0	3.7,3.6		
ISCJB	IX	29 23 19 27.6–.50	71.42N–.05	3.9W–.20	10	3.9b,3.6		
NEIC	IX	29 23 19 29.6–.36	71.36N	4.11W	10	4.2b,3.6		
CSEM	IX	29 23 19 30.7–.22	71.35N	4.03W	20	4.2b,3.6		
BER	IX	29 23 19 32.0–2.7	71.41N	3.97W	0–252	2.4L,3.6		
ISC	Event type ke.							
NAO	Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.							
IDC	Error ellipse: s-maj=25.4km s-min=16.1km az=49.0.							
ISCJB	Event type ke. Error ellipse: s-maj=7.9km s-min=6.9km az=18.6.							
NEIC	Event type se. Error ellipse: s-maj=6.0km s-min=5.4km az=85.0.							
CSEM	Event type ke. Error ellipse: s-maj=7.2km s-min=6.1km az=94.0.							
BER	Error ellipse: s-maj=97.4km s-min=669.8km az=-1.0.							
ISC	**X**	**12 08 58 18.8–.78**	**71.69N–.06**	**1.0W–.40**	**10**	**3.7b,2.9s**	**26**	**3-43**
ISCJB	X	12 08 58 17.1–.78	71.73N–.06	0.7W–.40	10	3.7b,2.9s		**¶12068452**
NEIC	X	12 08 58 18.8–.66	71.70N	1.02W	10	4.1b,2.9s		
IDC	X	12 08 58 18.4–3.7	71.56N	0.89W	0	3.8,3.7		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=16.8km s-min=8.7km az=4.4.							
NEIC	Event type se. Error ellipse: s-maj=14.2km s-min=7.6km az=93.0.							
IDC	Error ellipse: s-maj=55.1km s-min=25.7km az=95.0.							
ISC	**XI**	**07 20 17 39.6–.31**	**71.51N–.03**	**11.69W–.08**	**10**	**3.8b,3.2s**	**123**	**1-59**
ISCJB	XI	07 20 17 37.5–.34	71.49N–.03	11.84W–.08	10	3.8b,3.2s		**¶13399534**
CSEM	XI	07 20 17 38.0–.13	71.52N	11.79W	2	4.0b,3.2s		
IDC	XI	07 20 17 39.4–.88	71.64N	11.70W	0	3.9,3.8b		
REY	XI	07 20 17 40.4	71.18N	11.11W	10	3.5L,3.4L		
NEIC	XI	07 20 17 40.7–.44	71.68N	11.59W	10	4.1b,3.4L		
BER	XI	07 20 17 41.9–2.7	71.39N	11.70W	10–0	3.5L,2.7		
NAO	XI	07 20 17 42.2–6.2	71.74N	10.54W		2.5L,2.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=142.0.							
CSEM	Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=134.0.							
IDC	Error ellipse: s-maj=26.4km s-min=14.2km az=40.0.							
REY	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=8.9km s-min=6.8km az=216.0.							
BER	Error ellipse: s-maj=12.2km s-min=50.0km az=-1.0.							
NAO	Error ellipse: s-maj=0.1km s-min=0.7km az=-1.0.							
ISC	**XI**	**07 21 13 13.5–1.3**	**71.53N–.04**	**11.59W–.09**	**10–9**	**3.0b**	**48**	**1-41**
IDC	XI	07 21 13 11.7–1.5	71.38N	11.62W	0	3.8,3.7		**¶13399537**
CSEM	XI	07 21 13 12.4–.23	71.54N	11.75W	2	2.6L,3.7		
REY	XI	07 21 13 15.2	71.05N	10.42W	10	3.3L,3.2L		
NAO	XI	07 21 13 16.4–7.7	71.75N	10.58W		2.6L,3.2L		
BER	XI	07 21 13 16.5–2.3	71.67N	11.15W	10–0	3.3L,2.6L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=28.0km s-min=19.4km az=32.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.2km s-min=3.3km az=151.0.							
REY	Event type ke.							
NAO	Error ellipse: s-maj=0.2km s-min=0.8km az=-1.0.							
BER	Error ellipse: s-maj=9.3km s-min=65.0km az=-1.0.							
ISC	**XI**	**07 21 40 57.5–.10**	**71.70N–.02**	**11.69W–.05**	**10**	**4.4b,4.2s**	**709**	**1-143**
ISCJB	XI	07 21 40 55.5–.10	71.71N–.02	11.73W–.06	10	4.4b,4.2s		**¶13399540**
CSEM	XI	07 21 40 55.0–.08	71.63N	11.88W	2	5.1W,4.7b		
MOS	XI	07 21 40 55.4–1.0	71.64N	12.22W	10	4.7b,4.0s		
IDC	XI	07 21 40 55.5–.51	71.62N	12.03W	0	4.3,4.3		
BJI	XI	07 21 40 56.1	71.80N	11.70W	10	5.2b,4.7s		
REY	XI	07 21 40 57.1	70.88N	9.63W	10	4.4L,4.0L		
NEIC	XI	07 21 40 57.0–.13	71.69N	11.82W	10	4.7b,4.3s		
BER	XI	07 21 40 57.0–3.5	71.64N	11.72W	10–0	3.7L,3.5		
GCMT	XI	07 21 40 58.3–.20	71.66N	11.92W	19–1	5.1W,3.5		
NAO	XI	07 21 40 59.5–5.9	71.74N	10.39W		3.1L,3.5		
SZGRF	XI	07 21 41 08.2	70.87N	11.13W	33	4.5b,3.5		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=29.6.							
CSEM	Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=24.0.							
MOS	Error ellipse: s-maj=17.1km s-min=4.8km az=100.6.							
IDC	Error ellipse: s-maj=16.2km s-min=9.8km az=30.0.							
REY	Event type ke.							
NEIC	Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=42.0.							
BER	Error ellipse: s-maj=12.4km s-min=71.3km az=-1.0.							
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s38,c56; s82,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.97±.16 $M_{\theta\theta}$2.65±.16; $M_{\phi\phi}$-1.69±.13; $M_{r\theta}$0.78±.28; $M_{\theta\phi}$4.70±.13; $M_{\phi r}$1.36±.29; Best double couple: NP1:ϕ_s103.00000°,δ74.00000°,λ0.00000°. NP2:ϕ_s13.00000°,δ90.00000°,λ164.00000°. Principal axes: T 5.9400,Plg11.0000° ,Azm327.0000°; N -1.1100,Plg74.0000°,Azm192.0000°; P -4.8400,Plg11.0000° ,Azm59.0000° M_o5.40000×10^{16}							
NAO	Error ellipse: s-maj=0.2km s-min=0.7km az=-1.0.							
SZGRF	Jan Mayen Island region.							
BER	**XI**	**08 21 21 55.0–.36**	**71.22N**	**6.65W**	**12–2**	**3.6L,3.0**		**¶11656501**
BER	Error ellipse: s-maj=17.4km s-min=21.8km az=-1.0.							
ISC	**XI**	**15 07 16 46.0–.80**	**71.6N–.10**	**11.5W–.20**	**10**		**16**	**1-8**
ISCJB	XI	15 07 16 44.7–.80	71.6N–.10	11.7W–.20	10			**¶11473032**
CSEM	XI	15 07 16 45.4–.32	71.57N	11.64W	5	2.7L		
BER	XI	15 07 16 49.4–.54	71.68N	11.16W	2–0	2.8,2.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=19.8km s-min=6.0km az=28.9.							
CSEM	Event type ke. Error ellipse: s-maj=18.5km s-min=6.0km az=27.0.							
BER	Error ellipse: s-maj=15.9km s-min=39.3km az=-1.0.							
ISC	**XII**	**17 06 32 36.2–.51**	**71.02N–.04**	**7.8W–.10**	**18–4**	**3.5b,3.3s**	**89**	**0-63**
IDC	XII	17 06 32 34.4–1.1	71.13N	7.60W	0	3.9,3.8		**¶13402987**
NEIC	XII	17 06 32 35.7–.54	71.12N	7.69W	10	3.9,3.8		
CSEM	XII	17 06 32 35.8–.22	71.05N	7.92W	17–1	3.4L,3.8		
NAO	XII	17 06 32 35.0–1.5	71.10N	7.61W		3.4L,3.8		
BER	XII	17 06 32 36.6–2.6	71.05N	7.74W	10–0	3.4L,2.2		
REY	XII	17 06 32 37.2	70.84N	8.67W	10	3.4L,3.1L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=22.8km s-min=6.7km az=162.0.							
NEIC	Event type se. Error ellipse: s-maj=9.3km s-min=7.4km az=143.0.							
CSEM	Event type ke. Error ellipse: s-maj=7.5km s-min=3.5km az=138.0.							
NAO	Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.							
BER	Error ellipse: s-maj=8.0km s-min=10.7km az=-1.0.							
REY	Event type ke.							
ISC	**XII**	**18 12 53 18.6–1.5**	**71.42N–.03**	**11.60W–.08**	**9–11**	**3.5b,3.2s**	**96**	**1-59**
ISCJB	XII	18 12 53 16.8–1.1	71.49N–.03	11.8W–.10	21–9	3.5b,3.2s		**¶11730240**
CSEM	XII	18 12 53 18.1–.19	71.47N	11.66W	10	3.5L,3.2s		
IDC	XII	18 12 53 18.4–.94	71.58N	11.27W	0	3.9L,3.8		
NEIC	XII	18 12 53 19.7–.62	71.62N	11.52W	10	3.9L,3.8		
REY	XII	18 12 53 20.6	70.89N	10.13W	10	3.8L,3.7L		
BER	XII	18 12 53 21.1–3.1	71.63N	11.14W	10–0	3.5L,3.7L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=43.7.							
CSEM	Event type ke. Error ellipse: s-maj=5.5km s-min=4.1km az=150.0.							
IDC	Error ellipse: s-maj=22.6km s-min=15.5km az=43.0.							
NEIC	Event type se. Error ellipse: s-maj=12.0km s-min=9.7km az=193.0.							
REY	Event type ke.							
BER	Error ellipse: s-maj=11.7km s-min=75.8km az=-1.0.							
ISC	**XII**	**20 00 06 52.5–.25**	**70.95N–.03**	**7.15W–.06**	**10**	**4.0b,3.4s**	**248**	**0-65**
NAO	XII	20 00 06 50.6–1.3	70.96N	6.92W		3.0L,3.4s		**¶13403387**
SZGRF	XII	20 00 06 50.3	70.75N	9.57W	33	4.4b,3.6s		
ISCJB	XII	20 00 06 50.2–.26	71.01N–.03	7.06W–.06	10	4.0b,3.4s		
CSEM	XII	20 00 06 51.4–.15	70.90N	7.04W	2	4.3b,3.4s		
BER	XII	20 00 06 52.7–3.4	70.83N	7.18W	10–0	3.5L,3.0L		
IDC	XII	20 00 06 52.8–.73	70.82N	6.93W	0	4.0,3.9		
NEIC	XII	20 00 06 54.0–.41	70.90N	6.51W	10	4.4b,3.9		
REY	XII	20 00 06 57.1	70.26N	7.21W	10	4.1L,3.4L		
ISC	Event type ke.							
NAO	Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.							
SZGRF	Jan Mayen Island region.							
ISCJB	Event type ke. Error ellipse: s-maj=4.5km s-min=2.8km az=171.3.							
CSEM	Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=173.0.							
BER	Error ellipse: s-maj=7.2km s-min=18.1km az=-1.0.							
IDC	Error ellipse: s-maj=25.4km s-min=13.3km az=50.0.							
NEIC	Event type se. Error ellipse: s-maj=9.0km s-min=5.7km az=88.0.							
REY	Event type ke.							
ISC	**XII**	**22 00 46 10.5–.81**	**71.3N–.20**	**12.0W–.10**	**10**		**8**	**1-8**
ISCJB	XII	22 00 46 09.5–.93	71.3N–.20	12.1W–.10	10			**¶11730248**
BER	XII	22 00 46 12.8–.46	71.58N	11.67W	0–999	2.6L,2.5		
ISCJB	Error ellipse: s-maj=30.5km s-min=4.9km az=8.7.							
BER	Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.							
ISC	**XII**	**25 04 14 21.3–.34**	**71.54N–.03**	**3.0W–.10**	**10**	**4.0b**	**244**	**7-66**
IDC	XII	25 04 14 19.5–.58	71.48N	3.51W	0	4.0,3.9		**¶13403921**
CSEM	XII	25 04 14 19.6–.17	71.52N	3.06W	2	4.3b,3.9		
ISCJB	XII	25 04 14 20.2–.41	71.53N–.04	2.5W–.10	10	4.0b,3.9		
NEIC	XII	25 04 14 21.1–.31	71.52N	3.11W	10	4.6b,3.9		
NAO	XII	25 04 14 22.1–5.0	71.44N	2.11W		2.8L,3.9		
BER	XII	25 04 14 25.2–3.0	71.57N	2.90W	10–0	3.0L,2.8L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=19.0km s-min=11.8km az=41.0.							
CSEM	Event type ke. Error ellipse: s-maj=5.9km s-min=4.8km az=90.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.6km s-min=5.1km az=14.7.							
NEIC	Event type se. Error ellipse: s-maj=6.4km s-min=4.8km az=94.0.							
NAO	Error ellipse: s-maj=0.2km s-min=0.7km az=-1.0.							
BER	Error ellipse: s-maj=10.7km s-min=52.0km az=-1.0.							

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ISC	**VIII**	**08 04 21 23.1–1.6**	**79.5N–.20**	**4.7E–.60**	**10**	**3.6b**	**25**	**1-42**
BER	VIII	08 04 21 19.9–3.9	79.95N	4.02E	15–957	3.3L,2.9		**¶13391114**
NEIC	VIII	08 04 21 20.8	79.88N	5.00E	0	2.9L,2.9		
ISCJB	VIII	08 04 21 20.8–1.6	79.4N–.20	4.0E–.50	10	3.6b,2.9		
CSEM	VIII	08 04 21 21.6–.58	79.62N	5.09E	2	2.9L,2.9		
NAO	VIII	08 04 21 22.8–3.9	79.90N	5.95E		2.9L,2.9		
IDC	VIII	08 04 21 27.0–3.1	79.87N	8.84E	0	3.7b,3.6		
ISC	Event type ke.							
BER	Error ellipse: s-maj=424.1km s-min=999.9km az=-1.0.							
NEIC	Event type se. After BER.							
ISCJB	Event type ke. Error ellipse: s-maj=25.1km s-min=12.6km az=4.9.							
CSEM	Event type ke. Error ellipse: s-maj=17.5km s-min=12.2km az=25.0.							
NAO	Error ellipse: s-maj=0.5km s-min=0.3km az=-1.0.							
IDC	Error ellipse: s-maj=51.0km s-min=28.4km az=89.0.							
ISC	**VIII**	**14 07 18 20.0–.13**	**79.53N–.03**	**3.2E–.10**	**10**	**4.5b,3.7s**	**474**	**2-151**
BJI	VIII	14 07 18 14.7	79.50N	3.20E	10	4.7b,4.7b		**¶13391702**
ISCJB	VIII	14 07 18 17.9–.13	79.52N–.03	3.1E–.10	10	4.5b,3.7s		
CSEM	VIII	14 07 18 17.9–.11	79.58N	3.42E	2	4.6b,3.1s		
MOS	VIII	14 07 18 17.8–.92	79.50N	3.17E	10	4.8b,3.1s		
IDC	VIII	14 07 18 18.0–.47	79.57N	3.12E	0	4.3,4.3		
NEIC	VIII	14 07 18 19.7–.25	79.54N	3.25E	10	4.6b,4.3		
BER	VIII	14 07 18 20.5–3.0	79.68N	4.56E	15–52	3.7,3.5L		
NAO	VIII	14 07 18 21.6–3.5	79.52N	5.36E		3.1L,3.5L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=4.8km s-min=2.4km az=42.8.							
CSEM	Event type ke. Error ellipse: s-maj=6.4km s-min=3.7km az=43.0.							
MOS	Error ellipse: s-maj=42.2km s-min=5.2km az=93.7.							
IDC	Error ellipse: s-maj=12.8km s-min=10.2km az=39.0.							
NEIC	Event type se. Error ellipse: s-maj=6.5km s-min=4.2km az=222.0.							
BER	Error ellipse: s-maj=40.9km s-min=68.4km az=-1.0.							
NAO	Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.							
ISC	**IX**	**20 04 40 43.9–.40**	**78.16N–.06**	**1.3E–.30**	**10**	**3.9b,3.3s**	**70**	**2-65**
NAO	IX	20 04 40 38.0–9.2	78.86N	1.27W	32–84	3.9b,3.3s		**¶13394758**
BER	IX	20 04 40 39.2–5.1	78.73N	0.18E	10–0	3.1,3.3s		
ISCJB	IX	20 04 40 41.8–.40	78.16N–.06	1.2E–.30	10	3.9b,3.3s		
IDC	IX	20 04 40 42.2–.73	78.28N	1.55E	0	4.0,3.8b		
NEIC	IX	20 04 40 43.9–.38	78.32N	2.04E	10	4.0b,3.8b		
CSEM	IX	20 04 40 43.2–.17	78.32N	2.12E	10	4.0b,3.8b		
ISC	Event type ke.							
NAO	Error ellipse: s-maj=0.6km s-min=0.5km az=-1.0.							
BER	Error ellipse: s-maj=79.6km s-min=283.0km az=-1.0.							
ISCJB	Event type ke. Error ellipse: s-maj=9.4km s-min=7.5km az=31.6.							
IDC	Error ellipse: s-maj=21.8km s-min=15.5km az=30.0.							
NEIC	Event type se. Error ellipse: s-maj=11.3km s-min=7.3km az=208.0.							
CSEM	Event type ke. Error ellipse: s-maj=8.3km s-min=5.7km az=16.0.							
ISC	**X**	**26 10 44 39.1–.82**	**79.00N–.09**	**3.8E–.20**	**10**	**3.4b**	**36**	**2-66**
ISCJB	X	26 10 44 37.6–.82	78.9N–.10	3.6E–.20	10	3.4b		**¶13398109**
IDC	X	26 10 44 37.6–2.9	79.67N	3.25E	0	3.7,3.7		
CSEM	X	26 10 44 39.7–.55	79.07N	4.17E	10	2.9L,3.7		
NEIC	X	26 10 44 40.0	79.54N	5.19E	0	2.9L,3.7		
BER	X	26 10 44 40.2–3.5	79.61N	4.72E	15–645	3.0L,2.9L		
NAO	X	26 10 44 42.3–4.0	79.50N	5.96E		2.9L,2.9L		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=14.6km s-min=5.3km az=4.7.							
IDC	Error ellipse: s-maj=51.3km s-min=43.7km az=157.0.							
CSEM	Event type ke. Error ellipse: s-maj=20.9km s-min=9.2km az=5.0.							
NEIC	Event type se. After BER.							
BER	Error ellipse: s-maj=272.2km s-min=999.9km az=-1.0.							

NAO Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
ISC XI 16 10 52 41.8–.49 79.21N–.07 3.6E–.30 10 3.7b,3.3s 73 2-151
ISCJB XI 16 10 52 40.1–.54 79.16N–.07 3.6E–.20 10 3.7b,3.3s ¶13400336
IDC XI 16 10 52 40.8–.70 79.25N 3.22E 0 4.0,3.9
BER XI 16 10 52 41.3–3.5 79.63N 4.09E 15 2.5L,2.4L
CSEM XI 16 10 52 41.4–.22 79.33N 4.04E 10 2.4L,2.4L
NEIC XI 16 10 52 41.7–.53 79.22N 3.42E 10 3.9b,2.4L
NAO XI 16 10 52 42.7–3.5 79.65N 5.73E 2.4L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.8km s-min=6.4km az=11.8.
IDC Error ellipse: s-maj=19.1km s-min=13.7km az=37.0.
BER Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.0km s-min=5.9km az=28.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.7km az=200.0.
NAO Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0.
ISC XI 17 05 51 42.3–2.8 79.03N–.09 2.4E–.20 26–23 3.6b,3.1s 51 2-151
CSEM XI 17 05 51 38.0–.27 79.34N 2.61E 2 3.0L,3.1s ¶13400401
IDC XI 17 05 51 39.4–.99 79.48N 2.84E 0 4.0,4.0L
NEIC XI 17 05 51 40.0–.72 79.41N 3.01E 10 4.0,4.0L
BER XI 17 05 51 41.8–3.8 80.28N 6.59E 10 3.0L,2.7L
NAO XI 17 05 51 43.6–3.8 79.66N 5.57E 3.0L,2.7L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=16.5km s-min=5.7km az=9.0.
IDC Error ellipse: s-maj=33.7km s-min=14.9km az=30.0.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=10.2km az=195.0.
BER Error ellipse: s-maj=0.4km s-min=0.1km az=-1.0.
NAO Error ellipse: s-maj=0.4km s-min=0.1km az=-1.0.

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ISC IX 09 04 22 42.4–.12 80.76N–.03 3.4W–.10 10 4.6b,3.9s 477 3-120
BJI IX 09 04 22 39.0 80.80N 3.00W 5 4.8b,4.7b ¶13393847
IDC IX 09 04 22 40.0–.49 80.84N 3.05W 0 4.4,4.3
CSEM IX 09 04 22 40.4–.09 80.80N 3.28W 2 4.7b,4.3
ISCJB IX 09 04 22 40.3–.12 80.73N–.03 3.4W–.10 10 4.6b,3.9s
MOS IX 09 04 22 40.0–1.2 80.76N 3.41W 10 4.7b,3.9s
NEIC IX 09 04 22 42.1–.19 80.81N 2.97W 10 4.7b,3.9s
BER IX 09 04 22 43.3–3.3 80.73N 2.22W 10–0 3.9,2.9L
NAO IX 09 04 22 45.8–8.3 80.70N 1.58W 21–103 2.9L,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=15.6km s-min=10.5km az=26.0.
CSEM Event type ke. Error ellipse: s-maj=6.7km s-min=3.1km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=2.3km az=26.6.
MOS Error ellipse: s-maj=38.0km s-min=5.9km az=95.4.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=3.2km az=211.0.
BER Error ellipse: s-maj=26.2km s-min=93.1km az=-1.0.
NAO Error ellipse: s-maj=1.0km s-min=0.2km az=-1.0.
ISC IX 29 21 16 28.3–.55 85.83N–.05 24E–1.0 10 3.6b,2.9s 24 7-73
ISCJB IX 29 21 16 26.4–.55 85.78N–.05 24E–1.0 10 3.6b,2.9s ¶11911401
IDC IX 29 21 16 27.1–.86 85.96N 26.10E 0 4.3L,4.0
NEIC IX 29 21 16 28.3–.49 85.86N 24.62E 10 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.7km az=9.4.
IDC Error ellipse: s-maj=23.1km s-min=16.1km az=87.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.8km az=90.0.
ISC X 12 13 30 02.5–.67 82.69N–.07 32.7E–.50 10 3.7b,3.3s 73 5-71
ISCJB X 12 13 30 00.3–.68 82.67N–.07 32.5E–.50 10 3.7b,3.3s ¶13396823
IDC X 12 13 30 00.9–.86 82.85N 33.66E 0 3.9,3.8
NEIC X 12 13 30 02.4–.69 82.73N 33.29E 10 3.9,3.8
CSEM X 12 13 30 05.3–.45 82.14N 34.65E 10 3.3L,3.8
NAO X 12 13 30 05.9–4.7 82.08N 34.71E 3.3L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.9km az=140.8.
IDC Error ellipse: s-maj=20.6km s-min=16.9km az=114.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.4km az=130.0.
CSEM Event type ke. Error ellipse: s-maj=14.9km s-min=7.4km az=158.0.
NAO Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
ISC XI 29 21 30 03.2–.53 84.55N–.05 7.6E–1.0 10 3.5s,3.4b 72 6-71
ISCJB XI 29 21 30 01.3–.53 84.56N–.06 7.2E–1.0 10 3.5s,3.4b ¶13401514
IDC XI 29 21 30 01.5–.75 84.74N 8.30E 0 4.0L,3.7
NEIC XI 29 21 30 02.9–.52 84.63N 7.78E 10 4.0b,3.7
CSEM XI 29 21 30 02.6–.44 84.58N 7.87E 10 4.0b,3.7
NAO XI 29 21 30 07.0–10 84.40N 2.52E 31–81 4.0b,3.7
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=7.4km az=156.6.
IDC Error ellipse: s-maj=27.5km s-min=13.2km az=59.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.2km az=60.0.
CSEM Event type ke. Error ellipse: s-maj=22.2km s-min=12.0km az=65.0.
NAO Error ellipse: s-maj=0.4km s-min=2.0km az=-1.0.

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ISC VII 07 12 56 33.7–.57 72.66N–.05 4.4E–.20 10 3.5b,3.4s 55 4-67
ISCJB VII 07 12 56 30.9–.53 72.62N–.05 4.1E–.20 10 3.5b,3.4s ¶13388425
CSEM VII 07 12 56 31.8–.26 72.60N 3.94E 2 2.6L,3.4s
IDC VII 07 12 56 31.9–.92 72.57N 3.88E 0 3.8,3.7
NAO VII 07 12 56 32.9–2.6 72.51N 4.37E 2.8L,3.7
NEIC VII 07 12 56 33.3–.81 72.62N 4.08E 10 2.8L,3.7
BER VII 07 12 56 34.9–3.2 72.62N 4.33E 0–33 2.8L,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=6.4km az=143.7.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=5.6km az=86.0.
IDC Error ellipse: s-maj=22.0km s-min=13.7km az=33.0.
NAO Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.8km az=87.0.
BER Error ellipse: s-maj=11.9km s-min=76.0km az=-1.0.
ISC VII 20 17 51 43.2–.77 64.91N–.04 5.8E–.10 10 107 2-10
ISCJB VII 20 17 51 41.2–.86 64.93N–.04 5.9E–.10 10 ¶13389672
IDC VII 20 17 51 41.2–3.4 65.01N 5.40E 0 3.2,3.2
HEL VII 20 17 51 42.1–.50 64.94N 5.41E 10 2.8,2.4L
CSEM VII 20 17 51 42.1–.53 64.95N 5.57E 10 2.4L,2.4L
BER VII 20 17 51 43.0–4.6 65.06N 5.03E 23–36 2.8,2.4L
NAO VII 20 17 51 43.0–3.5 65.08N 5.86E 2.4L,2.4L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=4.3km az=23.3.
IDC Error ellipse: s-maj=36.1km s-min=19.9km az=93.0.
HEL Error ellipse: s-maj=2.7km s-min=3.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=13.0km s-min=5.9km az=119.0.
BER Error ellipse: s-maj=13.3km s-min=53.1km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
ISC VII 27 01 24 45.8–.93 74.42N–.05 11.2E–.40 10 3.5b,3.1s 59 2-41
CSEM VII 27 01 24 43.2–.64 74.46N 10.06E 10 2.0L,3.1s ¶13390222
IDC VII 27 01 24 43.4–1.8 74.28N 9.27E 0 3.8,3.7b
ISCJB VII 27 01 24 44.2–.96 74.42N–.05 11.6E–.40 10 3.5b,3.1s
BER VII 27 01 24 44.6–2.0 74.38N 9.61E 10–0 2.9,2.2L
NAO VII 27 01 24 45.7–3.3 74.45N 10.82E 2.2L,2.2L
HEL VII 27 01 24 51.6–.50 74.37N 12.38E 10 2.6L,2.2L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=21.2km s-min=6.3km az=78.0.
IDC Error ellipse: s-maj=55.5km s-min=18.2km az=56.0.
ISCJB Event type ke. Error ellipse: s-maj=17.6km s-min=4.8km az=163.8.
BER Error ellipse: s-maj=5.5km s-min=44.3km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
HEL Error ellipse: s-maj=5.3km s-min=5.9km az=-1.0.
BER VII 31 01 28 01.0–3.1 74.29N 13.26E 10–0 3.2L,2.6
CSEM VII 31 01 27 59.9–.32 74.31N 13.56E 15 2.4L,2.6 ¶13390467
NAO VII 31 01 28 01.9–6.5 74.37N 14.18E 25–79 3.2L,2.6
BER Error ellipse: s-maj=8.1km s-min=50.9km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.3km s-min=4.9km az=70.0.
NAO Error ellipse: s-maj=0.4km s-min=1.1km az=-1.0.
ISC VIII 14 22 03 30.8–3.0 72.84N–.05 4.8E–.20 3–21 3.4b,3.3s 54 5-145
ISCJB VIII 14 22 03 29.2–2.5 72.82N–.05 4.9E–.20 8–19 3.4b,3.3s ¶13391756
IDC VIII 14 22 03 31.4–1.2 72.69N 4.61E 0 3.7,3.6
CSEM VIII 14 22 03 31.4–.24 72.82N 4.66E 10 2.6L,3.6
NAO VIII 14 22 03 32.1–7.7 72.79N 4.79E 12–74 2.1L,3.6
NEIC VIII 14 22 03 32.0–.42 72.80N 4.71E 10 3.8b,3.6
BER VIII 14 22 03 33.9–6.0 72.87N 4.65E 10–0 2.9,2.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.3km s-min=8.1km az=179.5.
IDC Error ellipse: s-maj=22.4km s-min=18.0km az=67.0.
CSEM Event type ke. Error ellipse: s-maj=7.4km s-min=5.6km az=90.0.
NAO Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.3km az=89.0.
BER Error ellipse: s-maj=16.4km s-min=111.3km az=-1.0.
ISC VIII 23 12 00 59.8–.82 72.82N–.05 5.6E–.20 10 3.2b,3.0s 39 5-68
ISCJB VIII 23 12 00 58.0–.87 72.77N–.06 5.8E–.20 10 3.2b,3.0s ¶13392390
IDC VIII 23 12 00 58.3–1.5 72.70N 5.23E 0 3.5,3.4
NAO VIII 23 12 00 58.0–2.9 72.71N 5.10E 2.9L,3.4
NEIC VIII 23 12 00 59.5–.83 72.79N 5.42E 10 2.7L,3.4
CSEM VIII 23 12 01 00.5–.37 72.80N 5.46E 20 2.6L,3.4
BER VIII 23 12 01 00.9–4.0 72.80N 4.75E 21–55 2.9L,2.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.6km s-min=8.8km az=152.2.
IDC Error ellipse: s-maj=25.9km s-min=15.7km az=70.0.
NAO Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=6.9km az=83.0.
CSEM Event type ke. Error ellipse: s-maj=12.6km s-min=6.4km az=82.0.
BER Error ellipse: s-maj=19.9km s-min=114.6km az=-1.0.
ISC IX 08 21 17 16.5–.19 72.57N–.02 1.04E–.08 10 4.6s,4.5b 617 3-163
ISCJB IX 08 21 17 14.5–.19 72.62N–.03 0.84E–.09 10 4.6s,4.5b ¶13393825
CSEM IX 08 21 17 14.0–.12 72.67N 1.00E 2 4.7b,4.5b
MOS IX 08 21 17 15.1–2.2 72.63N 0.96E 10 5.0b,4.5b
NEIC IX 08 21 17 15.9–.23 72.62N 0.95E 10 4.7b,4.5b
NAO IX 08 21 17 17.8–10 72.30N 1.46E 23–91 2.6L,4.5b
IDC IX 08 21 17 17.2–.39 72.24N 1.27E 0 4.5s,4.5
BER IX 08 21 17 18.4–3.6 72.28N 1.39E 10–0 3.2L,3.1
BJI IX 08 21 17 21.8 73.54N 1.65E 10 5.0b,4.8s
SZGRF IX 08 21 17 33.9 71.55N 5.29E 33 4.8b,4.8s
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=3.3km az=143.4.
CSEM Event type ke. Error ellipse: s-maj=5.4km s-min=4.2km az=40.0.
MOS Error ellipse: s-maj=15.2km s-min=2.9km az=96.1.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.0km az=48.0.
NAO Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=13.1km s-min=9.1km az=36.0.
BER Error ellipse: s-maj=10.6km s-min=25.2km az=-1.0.
SZGRF Norwegian Sea.
IDC X 02 16 19 22.7–1.7 71.93N 0.34E 0 3.6,3.5b
¶11911727
IDC Error ellipse: s-maj=34.9km s-min=22.2km az=67.0.
ISC XI 12 23 51 58.8–.59 72.16N–.06 2.0E–.20 10 3.3b,3.0s 43 7-67
ISCJB XI 12 23 51 56.1–.63 72.17N–.07 1.8E–.20 10 3.3b,3.0s ¶13399956
IDC XI 12 23 51 57.4–.92 72.05N 1.36E 0 3.6,3.5
NEIC XI 12 23 51 58.7–.58 72.11N 1.67E 10 3.6,3.5
CSEM XI 12 23 51 58.1–.23 72.16N 1.73E 10 2.3L,3.5
BER XI 12 23 51 58.1–2.1 72.20N 1.47E 0–134 2.3L,3.5
NAO XI 12 23 52 02.1–8.2 72.41N 2.70E 2.3L,3.5
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.5km s-min=8.6km az=146.5.
IDC Error ellipse: s-maj=22.9km s-min=16.5km az=58.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.9km az=59.0.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=6.3km az=67.0.
BER Error ellipse: s-maj=70.7km s-min=370.8km az=-1.0.
NAO Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0.

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ISC VII 01 23 53 57.7–2.2 77.06N–.08 18.7E–.50 12–19 15 1-8
ISCJB VII 01 23 53 55.3–1.2 77.03N–.08 19.1E–.40 10 ¶13379121
NAO VII 01 23 53 57.0–1.0 76.97N 18.82E 2.1L
CSEM VII 01 23 53 57.5–.05 77.01N 18.35E 10 2.1L
BER VII 01 23 53 59.3–2.5 77.01N 19.09E 19–40 2.7,2.5L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.2km s-min=10.4km az=141.9.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.1km s-min=0.9km az=66.0.
BER Error ellipse: s-maj=13.7km s-min=92.1km az=-1.0.
ISC VII 02 08 51 13.5–2.2 77.02N–.07 19.0E–.50 8–20 15 1-8
ISCJB VII 02 08 51 11.3–1.2 76.97N–.08 19.4E–.40 10 ¶13379159
CSEM VII 02 08 51 13.6–.45 76.92N 18.31E 10 2.0L
NAO VII 02 08 51 14.5–1.8 76.90N 17.92E 17–18 2.0L
BER VII 02 08 51 15.6–4.0 76.92N 18.72E 15–0 2.5,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.3km s-min=10.3km az=136.8.
CSEM Event type ke. Error ellipse: s-maj=56.3km s-min=7.5km az=66.0.
NAO Error ellipse: s-maj=0.0km s-min=0.3km az=-1.0.
BER Error ellipse: s-maj=15.6km s-min=140.3km az=-1.0.
ISC VII 06 04 51 33.1–2.2 76.93N–.07 19.2E–.50 6–20 17 1-8
ISCJB VII 06 04 51 31.2–1.2 76.96N–.07 19.5E–.40 10 ¶13388311
CSEM VII 06 04 51 32.6–.10 76.83N 18.57E 2 2.2L
NAO VII 06 04 51 34.1–2.3 76.92N 19.28E 17–24 2.2L
BER VII 06 04 51 35.3–2.9 76.94N 19.82E 21–41 2.7,2.3L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=13.0km s-min=8.6km az=149.1.
CSEM Event type ke. Error ellipse: s-maj=12.8km s-min=1.6km az=66.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
BER Error ellipse: s-maj=17.3km s-min=110.5km az=-1.0.
ISC VII 30 14 06 25.1–.57 78.33N–.04 22.1E–.20 10 3.6b 102 1-68
CSEM VII 30 14 06 23.7–.32 78.37N 22.35E 2 3.9L ¶13390437
ISCJB VII 30 14 06 23.0–.58 78.25N–.04 22.6E–.20 10 3.6b
MOS VII 30 14 06 23.5–1.9 78.22N 22.40E 10 3.9b
IDC VII 30 14 06 24.8–.96 78.42N 21.91E 0 4.1L,3.9
NEIC VII 30 14 06 25.6–.83 78.36N 22.06E 10 4.0b,4.0L
BER VII 30 14 06 26.9–3.6 78.58N 22.55E 23–16 4.0L,3.9L
NAO VII 30 14 06 27.2–4.4 78.40N 21.80E 31–37 3.9L,3.9L
ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.4km s-min=4.7km az=40.0.
ISCJB Event type ke. Error ellipse: s-maj=6.4km s-min=4.2km az=138.6.
MOS Error ellipse: s-maj=65.7km s-min=6.8km az=92.1.
IDC Error ellipse: s-maj=15.9km s-min=10.9km az=24.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.8km az=48.0.
BER Error ellipse: s-maj=13.2km s-min=76.9km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
ISC VIII 02 16 25 39.1–.68 76.85N–.03 20.2E–.10 0–5 4.0b 116 1-118
NAO VIII 02 16 25 39.4–2.8 76.95N 20.83E 17–33 3.8L ¶13390716
CSEM VIII 02 16 25 39.0–.26 76.87N 20.31E 10 3.8L
NEIC VIII 02 16 25 39.8–.48 76.90N 20.44E 10 4.5b,3.8L
IDC VIII 02 16 25 39.7–.61 76.90N 20.42E 0 4.4L,4.2
BER VIII 02 16 25 42.2–3.0 76.92N 20.40E 19–13 3.8L,3.8L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=12.7km s-min=5.9km az=69.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=6.2km az=72.0.
IDC Error ellipse: s-maj=20.9km s-min=8.0km az=67.0.
BER Error ellipse: s-maj=6.2km s-min=37.9km az=-1.0.
BER VIII 09 03 50 37.0–.85 78.41N 7.37E 12–12 3.2L,1.8L
NAO VIII 09 03 50 37.5–4.7 78.38N 8.24E 3.2L,1.8L ¶13391213
CSEM VIII 09 03 50 37.2–.11 78.45N 7.75E 20 3.2L,1.8L
BER Error ellipse: s-maj=11.2km s-min=58.3km az=-1.0.
NAO Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=118.0.
ISC VIII 16 19 02 59.7–4.4 78.4N–.20 23E–1.0 5–22 13 1-9
CSEM VIII 16 19 03 00.4–.42 78.32N 22.42E 10 2.2L ¶13391890
BER VIII 16 19 03 00.5–3.2 78.35N 22.64E 2–40 2.6,2.2L
NAO VIII 16 19 03 01.9–3.3 78.29N 22.22E 8–10 2.2L,2.2L

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=13.8km s-min=4.5km az=42.0.
BER Error ellipse: s-maj=17.2km s-min=127.5km az=-1.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.

ISC	**IX**	**01 06 18 49.9–2.6**	**76.67N–.09**	**19.9E–.50**	**5–22**		**16**	**1-7**
ISCJB	IX	01 06 18 47.5–1.2	76.63N–.08	20.1E–.50	10			¶13393126
CSEM	IX	01 06 18 49.4–.87	76.67N	20.33E	2	2.4L		
NAO	IX	01 06 18 51.6–3.8	76.69N	19.70E	3–35	2.2L		
BER	IX	01 06 18 55.9–3.0	76.79N	19.92E	23–40	2.7,2.4L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=18.2km s-min=7.3km az=148.8.
CSEM Event type ke. Error ellipse: s-maj=78.9km s-min=7.3km az=68.0.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
BER Error ellipse: s-maj=18.8km s-min=124.5km az=-1.0.

ISC	**IX**	**09 13 20 24.2–3.9**	**76.1N–.10**	**24.3E–.60**	**19–25**		**20**	**2-7**
CSEM	IX	09 13 20 22.7–.29	76.14N	24.41E	10	2.6L		¶13393875
BER	IX	09 13 20 23.9–3.3	76.15N	24.97E	13–25	2.9,2.6L		
NAO	IX	09 13 20 24.5–3.6	75.95N	23.06E	13–25	2.4L,2.6L		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=8.9km s-min=4.0km az=78.0.
BER Error ellipse: s-maj=8.6km s-min=99.0km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.

ISC	**IX**	**25 15 34 09.7–.61**	**77.23N–.03**	**19.3E–.20**	**8–6**	**3.4b**	**84**	**1-118**
IDC	IX	25 15 34 09.4–1.1	77.47N	20.74E	0	3.8,3.7b		¶13395182
CSEM	IX	25 15 34 09.7–.18	77.27N	19.52E	10	3.4L,3.7b		
NAO	IX	25 15 34 09.1–1.0	77.09N	18.61E		3.5L,3.7b		
NEIC	IX	25 15 34 09.3–1.4	77.34N	20.15E	7–10	3.4L,3.7b		
BER	IX	25 15 34 13.5–2.7	77.31N	19.45E	21–12	3.5L,2.7		

ISC Event type ke.
IDC Error ellipse: s-maj=28.0km s-min=6.1km az=52.0.
CSEM Event type ke. Error ellipse: s-maj=8.8km s-min=3.0km az=62.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=5.9km az=67.0.
BER Error ellipse: s-maj=7.6km s-min=45.9km az=-1.0.

ISC	**IX**	**29 03 50 00.7–.86**	**77.00N–.06**	**19.0E–.30**	**10**		**22**	**1-8**
CSEM	IX	29 03 49 55.5–.90	77.45N	23.00E	2	3.0L		¶13395432
BER	IX	29 03 49 57.1–2.2	77.48N	24.35E	15–17	3.5L,2.5		
ISCJB	IX	29 03 49 58.6–.93	76.99N–.06	19.3E–.30	10	3.5L,2.5		
NAO	IX	29 03 50 01.7–1.8	77.01N	18.78E	18–16	3.0L,2.5		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=32.4km s-min=6.5km az=62.0.
BER Error ellipse: s-maj=13.2km s-min=123.7km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=12.7km s-min=6.8km az=145.3.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.

ISC	**X**	**02 04 10 59.0–2.1**	**77.8N–.20**	**23.3E–.80**	**10**		**21**	**1-8**
ISCJB	X	02 04 10 56.4–2.1	77.8N–.20	23.7E–.80	10			¶13395684
CSEM	X	02 04 11 00.0–.61	77.79N	23.26E	20	2.7L		
BER	X	02 04 11 01.1–2.9	77.71N	23.47E	15–25	2.8,2.7L		
NAO	X	02 04 11 01.6–2.3	77.77N	23.26E	25–12	2.7L,2.7L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=32.9km s-min=7.5km az=137.6.
CSEM Event type ke. Error ellipse: s-maj=22.5km s-min=5.2km az=48.0.
BER Error ellipse: s-maj=13.4km s-min=78.4km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.

ISC	**X**	**10 04 58 09.3–.63**	**76.27N–.06**	**8.5E–.30**	**10**	**3.5b**	**40**	**2-63**
ISCJB	X	10 04 58 07.2–.65	76.21N–.06	8.3E–.30	10	3.5b		¶13396532
CSEM	X	10 04 58 08.7–.29	76.25N	8.34E	10	1.9L		
NAO	X	10 04 58 08.6–3.5	76.19N	8.65E		1.9L		
IDC	X	10 04 58 08.6–1.0	76.25N	8.05E	0	3.7,3.6b		
NEIC	X	10 04 58 09.7–.79	76.25N	8.49E	10	3.7,3.6b		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=9.9km s-min=7.4km az=43.0.
CSEM Event type ke. Error ellipse: s-maj=10.1km s-min=8.3km az=100.0.
NAO Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
IDC Error ellipse: s-maj=18.9km s-min=13.6km az=95.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=12.1km az=85.0.

ISC	**X**	**15 16 55 59.2–.76**	**76.99N–.04**	**18.3E–.30**	**11–11**		**21**	**1-8**
ISCJB	X	15 16 55 56.7–.77	76.93N–.05	17.8E–.40	9–12			¶13397171
CSEM	X	15 16 55 58.8–.23	76.95N	17.86E	12	2.6L		
NAO	X	15 16 55 58.7–2.1	76.98N	18.58E	19–17	2.6L		
BER	X	15 16 56 02.9–3.8	77.03N	18.34E	20–20	2.7L,2.6L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.4km s-min=5.7km az=155.2.
CSEM Event type ke. Error ellipse: s-maj=8.6km s-min=3.8km az=60.0.
NAO Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=8.6km s-min=64.1km az=-1.0.

ISC	**X**	**21 00 10 33.3–1.3**	**76.26N–.04**	**22.9E–.40**	**10**		**22**	**2-16**
ISCJB	X	21 00 10 31.3–1.3	76.23N–.04	23.1E–.40	10			¶13397654
BER	X	21 00 10 34.3–4.2	76.22N	23.99E	15–27	2.7,2.2L		
NAO	X	21 00 10 34.1–2.8	76.12N	22.80E	22–14	2.2L,2.2L		
CSEM	X	21 00 10 36.8–.25	76.25N	21.89E	20	2.0L,2.2L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.4km s-min=5.6km az=174.8.
BER Error ellipse: s-maj=9.3km s-min=129.9km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=1.4km az=86.0.

ISC	**X**	**26 03 07 22.3–1.7**	**77.88N–.08**	**20.5E–.50**	**10**		**14**	**1-9**
ISCJB	X	26 03 07 18.6–1.8	77.98N–.07	21.1E–.50	10			¶13398080
NAO	X	26 03 07 23.1–2.4	77.71N	19.89E	7–22	2.3L		
CSEM	X	26 03 07 24.0–.21	77.38N	17.46E	2	2.3L		
BER	X	26 03 07 25.1–2.1	77.73N	19.90E	23–34	2.5L,2.3L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=15.3km s-min=8.6km az=149.7.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=19.4km s-min=3.6km az=64.0.
BER Error ellipse: s-maj=12.1km s-min=62.4km az=-1.0.

ISC	**XI**	**20 23 44 00.3–2.1**	**77.07N–.06**	**18.9E–.50**	**12–19**		**14**	**1-8**
ISCJB	XI	20 23 43 57.9–1.2	77.05N–.07	19.2E–.40	10			¶15257216
CSEM	XI	20 23 43 59.5–.11	76.94N	17.99E	4–1	2.5L		
NAO	XI	20 23 44 00.9–1.6	77.06N	19.15E	14–16	2.5L		
BER	XI	20 23 44 02.6–2.1	77.07N	19.47E	23–26	3.1L,2.6		

ISCJB Error ellipse: s-maj=12.2km s-min=9.7km az=149.9.
CSEM Event type ke. Error ellipse: s-maj=7.9km s-min=1.3km az=63.0.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
BER Error ellipse: s-maj=11.4km s-min=71.8km az=-1.0.

BER	**XII**	**07 00 16 18.5–2.1**	**77.84N**	**8.57E**	**7**	**2.7L,2.4**		
								¶15684868

BER Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.

ISC	**XII**	**14 19 26 15.6–2.1**	**77.54N–.07**	**9.3E–.70**	**10**		**11**	**1-9**
ISCJB	XII	14 19 26 12.3–2.0	77.44N–.08	8.9E–.50	10			¶15566599
CSEM	XII	14 19 26 14.3–.35	77.48N	8.74E	10	2.2L		
NAO	XII	14 19 26 15.5–4.1	77.68N	8.39E	24–45	2.8L		
BER	XII	14 19 26 16.7–2.1	77.46N	8.69E	15–29	2.8L,2.3		

ISCJB Error ellipse: s-maj=18.4km s-min=8.9km az=156.4.
CSEM Event type ke. Error ellipse: s-maj=9.6km s-min=4.3km az=91.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=9.5km s-min=84.5km az=-1.0.

ISC	**XII**	**22 07 49 37.5–2.2**	**76.81N–.10**	**15.2E–.50**	**6–19**		**20**	**0-8**
ISCJB	XII	22 07 49 35.7–.88	76.80N–.04	14.9E–.30	10			¶13403637
NAO	XII	22 07 49 37.0–1.4	76.76N	14.86E		3.0L		
CSEM	XII	22 07 49 37.6–.25	76.86N	15.30E	2	3.0L		
BER	XII	22 07 49 38.7–2.9	76.77N	15.16E	1–40	3.0L,3.0L		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=5.0km az=166.7.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=11.9km s-min=3.7km az=66.0.
BER Error ellipse: s-maj=17.4km s-min=79.6km az=-1.0.

ISC	**XII**	**22 09 22 48.7–.88**	**77.06N–.06**	**18.4E–.20**	**15–10**		**19**	**1-8**
NAO	XII	22 09 22 47.8–1.0	76.96N	18.56E		2.3L		¶13403639
CSEM	XII	22 09 22 48.1–.20	77.00N	18.20E	12	2.9L		
BER	XII	22 09 22 51.7–3.5	77.02N	18.47E	22–25	2.9L,2.4		

ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.0km s-min=2.9km az=46.0.
BER Error ellipse: s-maj=13.2km s-min=59.5km az=-1.0.

(644) North of Franz Josef Land.

ISC	**VII**	**15 06 47 38.3–1.4**	**86.81N–.02**	**62.0E–.60**	**8–8**	**4.7b,4.2s**	**684**	**9-154**
BJI	VII	15 06 47 36.6	86.80N	62.10E	20	5.0b,4.7b		¶11126413
CSEM	VII	15 06 47 36.6–.10	86.79N	62.85E	2	4.7b,4.7b		
ISCJB	VII	15 06 47 36.6–1.2	86.83N–.02	61.7E–.60	10–7	4.7b,4.2s		
IDC	VII	15 06 47 36.9–.39	86.85N	65.31E	0	4.3,4.3		
MOS	VII	15 06 47 36.6–.94	86.81N	62.52E	10	5.0b,4.0s		
NEIC	VII	15 06 47 38.7–.15	86.82N	62.15E	10	4.9b,4.0s		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=5.9km s-min=3.8km az=121.0.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=2.8km az=3.0.
IDC Error ellipse: s-maj=14.2km s-min=9.6km az=91.0.
MOS Error ellipse: s-maj=99.9km s-min=4.7km az=89.7.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.6km az=107.0.

(646) Northern Norway.

BER	**VII**	**13 09 42 28.2–4.3**	**67.86N**	**15.28E**	**6–12**	**2.4,2.3L**		
CSEM	VII	13 09 42 26.8–.34	67.73N	15.32E	2	2.1L,2.3L		¶13389066
HEL	VII	13 09 42 27.0–.10	67.81N	15.10E	6	2.4,2.1L		
NAO	VII	13 09 42 32.1–2.5	67.77N	15.93E	12–15	2.3L,2.1L		

BER Error ellipse: s-maj=8.3km s-min=26.2km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=7.3km s-min=4.9km az=116.0.
HEL Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
NAO Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.

BER	**VIII**	**02 04 13 04.0–2.7**	**69.44N**	**19.18E**	**23–24**	**1.7**		
								¶11783306

BER Error ellipse: s-maj=12.4km s-min=29.2km az=-1.0.

(651) North of Severnaya Zemlya.

IDC	**VIII**	**05 20 41 13.5–1.2**	**83.53N**	**112.29E**	**0**	**3.8,3.5**		
								¶12580937

IDC Error ellipse: s-maj=38.2km s-min=23.0km az=132.0.

ISC	**VIII**	**05 22 49 14.9–.29**	**83.61N–.05**	**113.5E–.40**	**10**	**4.2b,3.5s**	**65**	**12-153**
ISCJB	VIII	05 22 49 12.8–.29	83.60N–.05	113.5E–.40	10	4.2b,3.5s		¶11907810
IDC	VIII	05 22 49 12.8–.63	83.64N	114.20E	0	4.2,4.0		
NEIC	VIII	05 22 49 14.8–.23	83.63N	113.38E	10	4.4b,4.0		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=148.7.
IDC Error ellipse: s-maj=17.0km s-min=12.2km az=173.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=147.0.

ISC	**VIII**	**06 01 01 52.2–1.6**	**83.56N–.04**	**114.3E–.20**	**10–9**	**4.5b,3.8s**	**440**	**12-153**
ISCJB	VIII	06 01 01 49.3–1.4	83.56N–.03	114.6E–.20	4–8	4.5b,3.8s		¶11158565
MOS	VIII	06 01 01 50.1–.97	83.50N	114.54E	10	4.7b,3.8s		
IDC	VIII	06 01 01 50.2–.48	83.54N	114.56E	0	4.3,4.3		
GCMT	VIII	06 01 01 51.6–.30	83.56N	114.82E	12	4.9W,4.3		
NEIC	VIII	06 01 01 52.2–.17	83.53N	114.28E	10	4.7b,4.3		
BJI	VIII	06 01 01 53.1	83.03N	114.22E	10	5.0b,4.6b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.1km az=150.8.
MOS Error ellipse: s-maj=43.0km s-min=6.6km az=90.0.
IDC Error ellipse: s-maj=17.0km s-min=11.4km az=141.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s18,c18; s72,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.38±.07 $M_{\theta\theta}$1.05±.07; $M_{\phi\phi}$1.34±.07; $M_{r\theta}$-0.25±.32; $M_{\theta\phi}$-1.00±.06; $M_{\phi r}$-0.53±.31; Best double couple: NP1:ϕ_s128.00000°,δ43.00000° ,λ-107.00000°. NP2:ϕ_s330.00000°,δ49.00000°,λ-75.00000°. Principal axes: T 2.2200,Plg3.0000°,Azm50.0000°; N 0.2900,Plg11.0000°,Azm141.0000° ; P -2.5000,Plg78.0000°,Azm305.0000° $M_0$2.40000×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=2.8km az=160.0.

IDC	**VIII**	**06 03 21 57.2–1.3**	**83.43N**	**114.27E**	**0**	**3.6,3.4b**		
								¶12580938

IDC Error ellipse: s-maj=45.0km s-min=24.1km az=160.0.

ISC	**VIII**	**10 10 05 14.1–.20**	**83.70N–.04**	**113.9E–.40**	**10**	**4.3b**	**268**	**14-153**
BJI	VIII	10 10 05 11.7	83.70N	113.50E	10	5.0b,4.5s		¶11167600
ISCJB	VIII	10 10 05 12.1–.20	83.75N–.04	113.7E–.40	10	4.3b,4.5s		
MOS	VIII	10 10 05 12.0–1.3	83.63N	113.40E	10	4.5b,4.5s		
IDC	VIII	10 10 05 12.2–.53	83.63N	114.07E	0	4.2,4.1		
NEIC	VIII	10 10 05 14.2–.26	83.68N	113.48E	10	4.4b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=3.9km az=137.0.
MOS Error ellipse: s-maj=78.3km s-min=10.5km az=87.7.
IDC Error ellipse: s-maj=16.5km s-min=12.3km az=137.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.5km az=152.0.

ISC	**VIII**	**13 05 13 36.4–.73**	**83.8N–.20**	**115E–1.0**	**10**	**3.4b,2.8s**	**8**	**21-79**
ISCJB	VIII	13 05 13 34.5–.73	83.8N–.20	115E–1.0	10	3.4b,2.8s		¶11908136
IDC	VIII	13 05 13 34.9–.87	83.78N	114.90E	0	3.7,3.5		
NEIC	VIII	13 05 13 36.2–.74	83.79N	114.73E	10	3.7,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.4km s-min=14.7km az=148.0.
IDC Error ellipse: s-maj=31.7km s-min=18.2km az=144.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=15.2km az=149.0.

IDC	**VIII**	**13 06 11 54.2–1.1**	**83.76N**	**113.35E**	**0**	**3.6,3.4**		
								¶11908139

IDC Error ellipse: s-maj=37.8km s-min=23.2km az=136.0.

ISC	**VIII**	**13 06 12 44.9–.73**	**83.7N–.20**	**114E–1.0**	**10**	**3.4b,2.9s**	**9**	**21-79**
ISCJB	VIII	13 06 12 43.0–.73	83.7N–.20	114E–1.0	10	3.4b,2.9s		¶12581044
IDC	VIII	13 06 12 43.2–.85	83.69N	113.53E	0	3.7,3.5		
NEIC	VIII	13 06 12 44.7–.62	83.66N	113.60E	10	3.7,3.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.1km s-min=15.3km az=151.2.
IDC Error ellipse: s-maj=30.3km s-min=18.1km az=145.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=13.1km az=152.0.

ISC	**VIII**	**13 08 08 32.7–.47**	**83.62N–.09**	**114.7E–.60**	**10**	**4.2b,3.1s**	**44**	**14-87**
ISCJB	VIII	13 08 08 30.7–.48	83.64N–.09	114.7E–.70	10	4.2b,3.1s		¶11908143
IDC	VIII	13 08 08 30.8–.83	83.67N	114.99E	0	4.1,3.9		
NEIC	VIII	13 08 08 31.6–.50	83.89N	110.12E	10	4.5b,3.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=8.5km az=149.9.
IDC Error ellipse: s-maj=26.0km s-min=17.0km az=152.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.9km az=127.0.

ISC	**VIII**	**13 08 35 01.9–.68**	**83.64N–.02**	**115.46E–.10**	**10–4**	**5.3b,4.8s**	**1395**	**12-174**
PDG	VIII	13 08 34 35.2	83.50N	114.10E	33	5.5b,4.8s		¶13391614
BJI	VIII	13 08 34 59.4	83.53N	115.23E	10	5.4b,5.2s		
ISCJB	VIII	13 08 34 59.9–.61	83.65N–.02	115.63E–.10	10–3	5.3b,4.8s		
IDC	VIII	13 08 35 00.0–.37	83.59N	115.49E	0	4.8s,4.8		
MOS	VIII	13 08 35 00.1–.83	83.54N	115.35E	10	5.6b,4.7s		
GCMT	VIII	13 08 35 02.4–.10	83.54N	115.02E	12	5.4W,4.7s		
NEIC	VIII	13 08 35 02.0–.09	83.64N	115.25E	10	5.5b,5.4W		
SZGRF	VIII	13 08 35 18.8	83.67N	97.98E	25	5.3b,4.7s		
DJA	VIII	13 08 35 23	83.19N	113.54E	171	4.8b,4.7s		

ISC Event type ke.
PDG Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=159.7.
IDC Error ellipse: s-maj=11.1km s-min=9.2km az=146.0.
MOS Error ellipse: s-maj=24.8km s-min=4.3km az=91.6.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=101, comp=205, per= 50. Moment Tensor Solution. s60,c79; s26,c26; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.57±.02 $M_{\theta\theta}$0.43±.02; $M_{\phi\phi}$1.14±.02; $M_{r\theta}$-0.57±.06; $M_{\theta\phi}$-0.62±.02; $M_{\phi r}$-0.37±.06; Best double couple: NP1:ϕ_s131.00000°,δ47.00000°,λ-117.00000°. NP2:ϕ_s349.00000°,δ49.00000°,λ-63.00000°. Principal axes: T 1.5000,Plg1.0000°,Azm60.0000°; N 0.3100,Plg20.0000°,Azm151.0000° ; P -1.8100,Plg70.0000°,Azm328.0000° $M_0$1.70000×10^{17}
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.6km az=166.0.
SZGRF North of Severnaya Zemlya.

ISC	**VIII**	**13 08 58 20.2–.26**	**83.60N–.05**	**114.3E–.40**	**10**	**4.3b**	**70**	**21-153**
ISCJB	VIII	13 08 58 18.2–.26	83.60N–.05	114.3E–.50	10	4.3b		¶11908145
MOS	VIII	13 08 58 18.0–1.0	83.57N	114.53E	10	4.5b		
IDC	VIII	13 08 58 18.4–.60	83.57N	114.67E	0	4.1,4.0		

NEIC VIII 13 08 58 20.0–.33 83.66N 113.41E 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.3km az=136.2.
MOS Error ellipse: s-maj=93.7km s-min=9.1km az=86.8.
IDC Error ellipse: s-maj=19.9km s-min=13.3km az=139.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.2km az=143.0.
IDC VIII 13 10 51 21.3–1.1 83.29N 115.37E 0 3.9,3.6
¶12581051
IDC Error ellipse: s-maj=40.6km s-min=19.4km az=159.0.
IDC VIII 13 11 47 53.1–1.6 83.58N 115.21E 0 3.8,3.4b
¶12581052
IDC Error ellipse: s-maj=72.6km s-min=32.0km az=132.0.
ISC VIII 13 12 15 00.7–.60 83.7N–.10 113.4E–.80 10 3.7b 13 14-79
ISCJB VIII 13 12 14 58.7–.60 83.7N–.10 113.2E–.80 10 3.7b **¶11908156**
IDC VIII 13 12 14 58.9–.86 83.68N 113.74E 0 3.9,3.7
NEIC VIII 13 12 15 00.5–.58 83.66N 113.42E 10 4.3b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=11.7km az=153.8.
IDC Error ellipse: s-maj=27.4km s-min=18.0km az=154.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.4km az=154.0.
ISC VIII 13 15 17 13.1–.67 83.5N–.10 114.8E–1.0 10 3.7b,3.1s 15 21-80
ISCJB VIII 13 15 17 11.2–.67 83.5N–.10 114.8E–1.0 10 3.7b,3.1s **¶11908162**
IDC VIII 13 15 17 11.4–.88 83.52N 115.11E 0 3.9,3.7
NEIC VIII 13 15 17 12.9–.60 83.55N 114.60E 10 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=12.9km az=141.8.
IDC Error ellipse: s-maj=28.5km s-min=17.8km az=148.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=11.8km az=141.0.
ISC VIII 13 16 09 50.3–.30 83.62N–.05 114.5E–.40 10 4.0b,3.3s 59 12-79
ISCJB VIII 13 16 09 48.2–.30 83.62N–.05 114.5E–.40 10 4.0b,3.3s **¶11908165**
MOS VIII 13 16 09 48.1–1.2 83.60N 114.61E 10 4.4b,3.3s
IDC VIII 13 16 09 48.2–.60 83.58N 115.20E 0 4.0,3.9
NEIC VIII 13 16 09 49.8–.24 83.59N 114.58E 10 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=143.1.
MOS Error ellipse: s-maj=84.2km s-min=9.8km az=88.8.
IDC Error ellipse: s-maj=19.8km s-min=14.0km az=137.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.9km az=142.0.
ISC VIII 13 18 30 57.6–.07 83.53N–.01 114.54E–.09 10 5.2s,5.2b 1392 12-173
BJI VIII 13 18 30 52.2 83.60N 114.50E 10 5.7b,5.6s **¶13391663**
SZGRF VIII 13 18 30 53.7 82.41N 119.10E 33 5.1b,5.0s
ISCJB VIII 13 18 30 55.6–.07 83.55N–.02 114.65E–.09 10 5.2s,5.2b
MOS VIII 13 18 30 55.5–.89 83.49N 114.58E 10 5.4b,5.2s
IDC VIII 13 18 30 55.2–.37 83.57N 114.84E 0 5.2,5.1s
NEIC VIII 13 18 30 57.3–.11 83.55N 114.52E 10 5.7W,5.3b
GCMT VIII 13 18 30 59.3–.10 83.48N 114.73E 12 5.7W,5.3b
DJA VIII 13 18 31 35 83.51N 110.71E 339 4.9b,5.3b
ISC Event type se.
SZGRF North of Severnaya Zemlya.
ISCJB Event type se. Error ellipse: s-maj=2.3km s-min=1.3km az=157.7.
MOS Error ellipse: s-maj=26.3km s-min=5.0km az=92.6.
IDC Error ellipse: s-maj=11.9km s-min=9.3km az=145.0.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=1.9km az=168.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=244, per= 50. Moment Tensor Solution. s79,c129; s59,c78; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.96±.04 $M_{\theta\theta}$0.61±.04; $M_{\phi\phi}$3.35±.04; $M_{r\theta}$-1.43±.11; $M_{\theta\phi}$-1.69±.03; $M_{\phi r}$-0.18±.11; Best double couple: NP1:ϕ_s351.00000°,δ45.00000°,λ-64.00000°. NP2:ϕ_s137.00000°,δ51.00000°,λ-113.00000°. Principal axes: T 4.1800,Plg3.0000°,Azm243.0000°; N 0.2400,Plg18.0000°,Azm152.0000° ; P -4.4300,Plg72.0000°,Azm344.0000° $M_0$4.30000×10^{17}
ISC VIII 13 19 02 16.8–.55 83.5N–.10 114.2E–.90 10 3.8b 17 21-80
ISCJB VIII 13 19 02 14.8–.55 83.5N–.10 114.0E–.90 10 3.8b **¶11908172**
IDC VIII 13 19 02 15.0–.73 83.51N 114.25E 0 3.9,3.8b
NEIC VIII 13 19 02 16.6–.40 83.55N 113.95E 10 3.9b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=10.9km az=140.5.
IDC Error ellipse: s-maj=24.6km s-min=15.4km az=138.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.9km az=140.0.
ISC VIII 13 19 10 53.6–.80 83.5N–.10 112E–1.0 10 3.4b 10 21-79
ISCJB VIII 13 19 10 51.6–.79 83.5N–.10 112E–1.0 10 3.4b **¶11908174**
IDC VIII 13 19 10 51.8–1.0 83.46N 111.93E 0 3.6,3.4b
NEIC VIII 13 19 10 53.5–.74 83.45N 112.01E 10 3.6,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.6km s-min=16.1km az=141.7.
IDC Error ellipse: s-maj=31.8km s-min=20.7km az=140.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=15.2km az=143.0.
ISC VIII 13 22 00 13.4–3.3 83.59N–.05 114.5E–.40 16–21 4.3b,3.6s 76 12-80
MOS VIII 13 22 00 10.6–1.2 83.53N 114.22E 10 4.6b,3.6s **¶11652918**
ISCJB VIII 13 22 00 10.7–3.2 83.60N–.05 114.5E–.40 11–20 4.3b,3.6s
IDC VIII 13 22 00 10.6–.56 83.55N 115.20E 0 4.1,4.1
BJI VIII 13 22 00 11.1 83.42N 114.31E 10 5.0b,4.6b
NEIC VIII 13 22 00 12.2–.20 83.54N 114.91E 10 4.6b,4.6b
GCMT VIII 13 22 00 12.0–.30 83.49N 115.46E 12 4.8W,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=68.7km s-min=8.6km az=88.3.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.0km az=147.2.
IDC Error ellipse: s-maj=17.5km s-min=13.4km az=145.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.1km az=144.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s25,c31; s67,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.62±.06 $M_{\theta\theta}$0.40±.06; $M_{\phi\phi}$1.22±.06; $M_{r\theta}$-0.79±.24; $M_{\theta\phi}$-0.68±.05; $M_{\phi r}$-0.40±.25; Best double couple: NP1:ϕ_s352.00000°,δ49.00000°,λ-58.00000°. NP2:ϕ_s129.00000°,δ50.00000°,λ-121.00000°. Principal axes: T 1.6000,Plg1.0000° ,Azm240.0000°; N 0.4000,Plg24.0000°,Azm150.0000°; P -2.0000,Plg66.0000° ,Azm332.0000° $M_0$1.80000×10^{16}
ISC VIII 13 22 55 53.3–.54 83.81N–.09 112.8E–.70 10 3.8b,3.1s 19 14-79
ISCJB VIII 13 22 55 51.4–.54 83.78N–.09 112.7E–.70 10 3.8b,3.1s **¶11908184**
IDC VIII 13 22 55 51.6–.92 83.86N 113.46E 0 4.0,3.8
NEIC VIII 13 22 55 53.2–.44 83.81N 112.66E 10 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=10.2km az=168.5.
IDC Error ellipse: s-maj=33.0km s-min=18.9km az=149.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.5km az=171.0.
ISC VIII 13 23 42 57.3–6.9 83.40N–.07 115.4E–.50 12–44 4.0b,3.2s 35 12-66
ISCJB VIII 13 23 42 54.9–.36 83.39N–.06 115.4E–.50 10 4.0b,3.2s **¶11908185**
IDC VIII 13 23 42 55.3–.74 83.43N 115.57E 0 4.1,3.9
NEIC VIII 13 23 42 56.8–.27 83.40N 115.39E 10 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=7.2km az=139.1.
IDC Error ellipse: s-maj=24.2km s-min=16.0km az=144.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.4km az=139.0.
ISC VIII 14 00 35 42.4–4.5 83.62N–.05 114.4E–.40 13–29 4.2b,3.9s 72 12-79
ISCJB VIII 14 00 35 39.0–5.0 83.62N–.05 114.5E–.40 5–32 4.2b,3.9s **¶11908188**
MOS VIII 14 00 35 39.6–.79 83.59N 114.56E 10 4.7b,3.9s
IDC VIII 14 00 35 40.1–.62 83.70N 114.62E 0 4.1,4.0
NEIC VIII 14 00 35 43.3–2.0 83.63N 114.40E 20–14 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.7km az=139.1.
MOS Error ellipse: s-maj=88.4km s-min=9.3km az=88.4.
IDC Error ellipse: s-maj=20.4km s-min=13.8km az=141.0.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=3.5km az=137.0.
ISC VIII 14 04 43 37.8–.60 83.5N–.10 116.3E–.90 10 3.7b,3.3s 17 15-80
ISCJB VIII 14 04 43 35.8–.60 83.5N–.10 116.3E–.90 10 3.7b,3.3s **¶11908193**
IDC VIII 14 04 43 36.3–.80 83.49N 116.32E 0 3.9,3.7
NEIC VIII 14 04 43 37.7–.55 83.53N 116.17E 10 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.3km s-min=11.8km az=141.6.
IDC Error ellipse: s-maj=26.3km s-min=16.4km az=139.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=11.0km az=141.0.
ISC VIII 14 05 59 21.3–.23 83.56N–.04 114.3E–.40 10 4.3b,3.3s 94 12-153
MOS VIII 14 05 59 18.9–.94 83.51N 114.46E 10 4.5b,3.3s **¶11180502**
ISCJB VIII 14 05 59 19.3–.23 83.56N–.04 114.4E–.40 10 4.3b,3.3s
IDC VIII 14 05 59 19.1–.60 83.48N 115.14E 0 4.1,4.0

BJI VIII 14 05 59 20.0 83.60N 114.10E 10 4.7b,4.6b
NEIC VIII 14 05 59 21.1–.22 83.59N 114.06E 10 4.4b,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=85.0km s-min=9.3km az=86.5.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.8km az=135.1.
IDC Error ellipse: s-maj=20.4km s-min=13.4km az=143.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.3km az=138.0.
ISC VIII 14 06 10 17.5–.68 83.7N–.10 115.8E–.90 10 3.6b,3.0s 14 14-80
ISCJB VIII 14 06 10 15.5–.67 83.7N–.10 115.7E–.90 10 3.6b,3.0s **¶11908197**
IDC VIII 14 06 10 15.6–.93 83.64N 116.87E 0 3.7,3.6
NEIC VIII 14 06 10 18.0–.81 83.68N 114.98E 10 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=13.4km az=141.9.
IDC Error ellipse: s-maj=27.2km s-min=19.3km az=141.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=15.3km az=105.0.
ISC VIII 14 09 29 13.2–2.6 83.62N–.04 114.3E–.40 7–16 4.3b,3.5s 322 12-79
BJI VIII 14 09 29 08.6 83.60N 114.20E 10 4.8b,4.6b **¶11180504**
ISCJB VIII 14 09 29 11.7–2.4 83.62N–.04 114.3E–.40 11–14 4.3b,3.5s
MOS VIII 14 09 29 11.3–1.1 83.59N 114.23E 10 4.5b,3.5s
IDC VIII 14 09 29 11.6–.65 83.63N 114.73E 0 4.1,4.0
NEIC VIII 14 09 29 13.6–.22 83.63N 114.15E 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=4.4km az=39.7.
MOS Error ellipse: s-maj=86.7km s-min=8.5km az=87.4.
IDC Error ellipse: s-maj=22.3km s-min=12.7km az=146.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.2km az=143.0.
ISC VIII 14 09 37 21.7–.65 83.5N–.20 115E–1.0 10 3.7b 10 25-86
ISCJB VIII 14 09 37 19.8–.65 83.5N–.20 114E–1.0 10 3.7b **¶11908203**
IDC VIII 14 09 37 19.9–.83 83.52N 114.65E 0 4.0s,4.0
NEIC VIII 14 09 37 21.4–.60 83.61N 113.92E 10 4.0s,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=27.6km s-min=12.6km az=137.3.
IDC Error ellipse: s-maj=33.7km s-min=17.1km az=140.0.
NEIC Event type se. Error ellipse: s-maj=31.5km s-min=11.3km az=134.0.
ISC VIII 14 10 37 49.7–1.4 83.49N–.03 117.7E–.30 17–8 4.7b,4.3s 484 12-115
IDC VIII 14 10 37 43.5–.55 83.48N 114.71E 0 4.2s,4.2 **¶11180505**
ISCJB VIII 14 10 37 47.1–.15 83.46N–.03 119.1E–.30 10 4.7b,4.3s
MOS VIII 14 10 37 47.2–2.3 83.01N 118.02E 10 5.0b,4.6s
NEIC VIII 14 10 37 47.5–.39 83.09N 115.06E 10 4.9b,4.6s
GCMT VIII 14 10 37 49.7–.20 83.65N 114.51E 12 5.1W,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=11.6km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.0km az=140.1.
MOS Error ellipse: s-maj=49.9km s-min=7.3km az=87.5.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=7.6km az=139.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s31,c36; s93,c170; Moment tensor: Scale 10^{16}Nm; M_{rr}-5.51±.11 $M_{\theta\theta}$1.14±.10; $M_{\phi\phi}$4.38±.10; $M_{r\theta}$2.77±.48; $M_{\theta\phi}$-2.03±.09; $M_{\phi r}$0.21±.34; Best double couple: NP1:ϕ_s173.00000°,δ43.00000°,λ-59.00000°. NP2:ϕ_s313.00000°,δ54.00000°,λ-116.00000°. Principal axes: T 5.4600,Plg6.0000° ,Azm61.0000°; N 1.1400,Plg21.0000°,Azm329.0000°; P -6.5900,Plg69.0000°,Azm167.0000° $M_0$6.00000×10^{16}
IDC VIII 14 16 17 30.4–1.1 84.25N 114.68E 0 4.0,3.8b
¶12581077
IDC Error ellipse: s-maj=40.6km s-min=22.6km az=138.0.
IDC VIII 14 23 48 25.6–.97 83.42N 114.92E 0 3.9,3.8
¶12581087
IDC Error ellipse: s-maj=27.7km s-min=21.4km az=155.0.
ISC VIII 15 03 37 33.8–2.4 83.54N–.04 114.9E–.30 17–15 4.4b,3.7s 149 12-153
BJI VIII 15 03 37 28.7 83.60N 114.60E 10 4.9b,4.6b **¶11165769**
MOS VIII 15 03 37 30.7–.81 83.50N 115.08E 10 4.6b,4.6b
GCMT VIII 15 03 37 31.1–.30 83.64N 114.90E 12 4.8W,4.6b
ISCJB VIII 15 03 37 31.9–2.3 83.53N–.04 115.0E–.30 18–16 4.4b,3.7s
IDC VIII 15 03 37 31.2–.55 83.62N 114.47E 0 4.2,4.1
NEIC VIII 15 03 37 32.7–.19 83.61N 114.56E 10 4.5b,4.1
ISC Event type se.
MOS Error ellipse: s-maj=51.1km s-min=7.7km az=89.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s18,c21; s69,c98; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.58±.06 $M_{\theta\theta}$0.50±.05; $M_{\phi\phi}$1.08±.06; $M_{r\theta}$0.40±.23; $M_{\theta\phi}$-0.65±.05; $M_{\phi r}$-0.56±.24; Best double couple: NP1:ϕ_s148.00000°,δ33.00000°,λ-89.00000°. NP2:ϕ_s326.00000°,δ57.00000°,λ-91.00000°. Principal axes: T 1.6500,Plg12.0000° ,Azm57.0000°; N 0.0800,Plg1.0000°,Azm327.0000°; P -1.7300,Plg78.0000°,Azm233.0000° $M_0$1.70000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.9km az=147.8.
IDC Error ellipse: s-maj=17.4km s-min=12.7km az=146.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=3.5km az=145.0.
IDC VIII 15 12 04 25.8–1.2 83.74N 111.46E 0 3.8,3.5b
¶12581100
IDC Error ellipse: s-maj=54.3km s-min=26.5km az=144.0.
IDC VIII 15 18 41 48.6–1.5 83.78N 112.85E 0 3.9,3.5
¶12581108
IDC Error ellipse: s-maj=98.2km s-min=26.2km az=133.0.
ISC VIII 15 19 36 21.4–.90 83.5N–.10 115E–1.0 10 3.7b,3.4s 13 12-66
IDC VIII 15 19 36 18.9–1.2 83.84N 112.16E 0 3.9,3.7 **¶11908269**
ISCJB VIII 15 19 36 19.3–.95 83.6N–.10 115E–2.0 10 3.7b,3.4s
MOS VIII 15 19 36 19.5–1.3 83.43N 115.93E 10 4.0b,3.4s
NEIC VIII 15 19 36 21.4–.94 83.49N 115.40E 10 3.9b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=69.2km s-min=18.0km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=30.3km s-min=12.0km az=39.1.
MOS Error ellipse: s-maj=99.9km s-min=16.8km az=88.8.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=12.8km az=127.0.
ISC VIII 16 02 17 39.2–.68 83.7N–.10 114E–1.0 10 3.5b 10 21-66
ISCJB VIII 16 02 17 37.3–.68 83.8N–.10 114E–1.0 10 3.5b **¶11908287**
IDC VIII 16 02 17 37.5–.96 83.73N 114.04E 0 3.8,3.6
NEIC VIII 16 02 17 39.1–.51 83.72N 114.20E 10 4.0b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.6km s-min=12.4km az=137.3.
IDC Error ellipse: s-maj=36.4km s-min=18.1km az=134.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=9.6km az=138.0.
ISC VIII 16 09 45 55.5–.67 83.7N–.10 114.2E–.60 10 3.6b,3.2s 14 14-79
ISCJB VIII 16 09 45 53.6–.67 83.7N–.10 114.0E–.70 10 3.6b,3.2s **¶11908301**
IDC VIII 16 09 45 53.5–.94 83.64N 114.43E 0 3.8,3.6
NEIC VIII 16 09 45 55.2–.57 83.62N 114.55E 10 3.9b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.6km s-min=10.2km az=9.0.
IDC Error ellipse: s-maj=31.7km s-min=18.8km az=151.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=10.7km az=157.0.
IDC VIII 16 12 31 00.8–1.1 83.80N 113.45E 0 4.0,3.7
¶12581129
IDC Error ellipse: s-maj=49.6km s-min=20.1km az=149.0.
ISC IX 30 10 06 48.9–.43 84.27N–.09 109.0E–.70 10 4.1b,3.1s 33 21-79
ISCJB IX 30 10 06 46.9–.43 84.28N–.09 109.0E–.70 10 4.1b,3.1s **¶11911447**
IDC IX 30 10 06 46.9–.70 84.32N 109.43E 0 4.1,4.0
NEIC IX 30 10 06 48.6–.38 84.26N 109.14E 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=7.6km az=148.0.
IDC Error ellipse: s-maj=19.9km s-min=14.9km az=153.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=6.2km az=151.0.
ISC X 08 10 29 54.7–.54 84.2N–.10 109.5E–.90 10 3.8b 29 21-79
ISCJB X 08 10 29 52.8–.54 84.2N–.10 109.3E–.90 10 3.8b **¶12066328**
IDC X 08 10 29 53.1–.67 84.24N 109.52E 0 4.1,3.9
NEIC X 08 10 29 54.6–.41 84.24N 109.47E 10 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=10.7km az=150.5.
IDC Error ellipse: s-maj=22.5km s-min=14.6km az=146.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=8.3km az=151.0.
ISC X 26 06 10 10.6–.44 83.99N–.08 112.5E–.50 10 3.9b,3.0s 55 14-86
ISCJB X 26 06 10 08.6–.49 83.96N–.09 112.6E–.60 10 3.9b,3.1s **¶12071132**
MOS X 26 06 10 08.4–1.2 83.97N 112.58E 10 4.4b,3.1s
IDC X 26 06 10 08.4–.76 83.89N 113.13E 0 4.1,3.9
NEIC X 26 06 10 10.0–.52 83.92N 113.03E 10 4.5b,3.9

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=9.5km az=179.7.
MOS Error ellipse: s-maj=99.0km s-min=15.6km az=89.2.
IDC Error ellipse: s-maj=22.3km s-min=15.7km az=157.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.2km az=168.0.

IDC	**X**	**26 06 45 05.3–1.1**	**83.80N**	**114.03E**	**0**	**3.8,3.7**	
							¶12071134

IDC Error ellipse: s-maj=42.9km s-min=18.9km az=158.0.

IDC	**XI**	**01 01 40 08.7–2.4**	**84.30N**	**110.67E**	**0**	**4.1,3.8b**	
							¶12071802

IDC Error ellipse: s-maj=97.1km s-min=19.6km az=164.0.

IDC	**XII**	**21 11 59 02.1–.95**	**82.88N**	**117.02E**	**0**	**3.7,3.5b**	
							¶12078453

IDC Error ellipse: s-maj=36.6km s-min=16.4km az=149.0.

(655) Laptev Sea.

ISC	**VII**	**04 04 55 05.6–.09**	**75.40N–.02**	**134.04E–.05**	**10**	**5.0b,4.5s**	**1025**	**4-165**
ISCJB	VII	04 04 55 03.5–.09	75.41N–.02	134.09E–.05	10	5.0b,4.5s		**¶13388127**
MOS	VII	04 04 55 03.4–.92	75.41N	134.08E	11	5.1b,4.4s		
IDC	VII	04 04 55 03.3–.38	75.39N	134.07E	0	4.7,4.7		
NEIC	VII	04 04 55 05.3–.13	75.40N	133.95E	10	5.0b,4.7		
TEH	VII	04 04 55 06.0	75.45N	133.87E	10	5.0b,4.7		
BJI	VII	04 04 55 06.3	74.92N	133.41E	7	5.1s,5.0		
GCMT	VII	04 04 55 07.7–.20	75.25N	134.16E	14–0	5.0W,5.0		
SZGRF	VII	04 04 55 16.4	76.15N	131.35E	23	5.0b,4.5s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=1.7km az=166.7.
MOS Error ellipse: s-maj=14.7km s-min=4.0km az=93.6.
IDC Error ellipse: s-maj=11.9km s-min=10.1km az=134.0.
NEIC Event type se. Error ellipse: s-maj=4.0km s-min=2.4km az=177.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s52,c69; s83,c137; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.40±.14 $M_{\theta\theta}$-0.37±.09; $M_{\phi\phi}$3.77±.11; $M_{r\theta}$-2.37±.26; $M_{\theta\phi}$-1.49±.07; $M_{\phi r}$-0.89±.20; Best double couple: NP1:ϕ_s135.00000°,δ52.00000° ,λ-132.00000°. NP2:ϕ_s10.00000°,δ54.00000°,λ-50.00000°. Principal axes: T 4.2500,Plg1.0000°,Azm73.0000°; N 0.7100,Plg32.0000°,Azm163.0000° ; P -4.9600,Plg58.0000°,Azm341.0000° M_o4.60000×10^{16}
SZGRF Laptev Sea.

IDC	**VII**	**29 19 23 44.1–1.3**	**75.93N**	**134.71E**	**0**	**4.5s,4.5**	
							¶12698489

IDC Error ellipse: s-maj=42.0km s-min=26.7km az=152.0.

SEISMIC REGION 41.
Eastern Asia.

(656) Southeastern Siberia.

SKHL	**VII**	**10 22 32 31.1–.10**	**55.17N**	**122.83E**	**22–2**	**3.7b**	
							¶13596582
SKHL	**VII**	**10 23 28 44.2–1.0**	**56.13N**	**123.80E**	**10–2**	**4.5b**	
							¶13596583
SKHL	**VII**	**14 02 34 04.3–1.8**	**55.95N**	**124.48E**	**10–0**	**3.8b**	
							¶13596735
SKHL	**VIII**	**01 13 18 02.8–.60**	**52.56N**	**132.52E**	**11–1**	**3.6b**	
							¶13808502
SKHL	**VIII**	**11 01 18 46.9–.40**	**52.69N**	**135.38E**	**8–3**	**3.7b**	
							¶13827217
SKHL	**VIII**	**18 15 23 32.5–1.1**	**56.08N**	**124.45E**	**10–6**	**3.9b**	
							¶13827555
SKHL	**VIII**	**22 04 48 06.7–.90**	**50.58N**	**131.79E**	**9–2**	**3.8b**	
							¶13827783
SKHL	**VIII**	**26 08 25 29.1–.90**	**51.85N**	**132.87E**	**9–1**	**4.8b**	
							¶13827946
SKHL	**VIII**	**27 18 29 20.9–1.0**	**55.20N**	**124.06E**	**8–3**	**5.0b,3.8s**	
							¶13828034

SKHL Event type fe. Felt (II) at Khorogochi, Tynda.

SKHL	**VIII**	**29 01 32 40.0–.10**	**55.20N**	**124.05E**	**8–1**	**3.9b**	
							¶13828169
SKHL	**VIII**	**31 10 40 17.6–.40**	**54.01N**	**127.98E**	**19–1**	**4.0b**	
							¶13828234
SKHL	**IX**	**19 06 47 41.3–.60**	**54.37N**	**122.43E**	**25–9**	**4.1b**	
							¶13845263
SKHL	**X**	**14 16 47 24.9–.40**	**54.59N**	**123.35E**	**10–0**	**3.5b**	
							¶13936105
SKHL	**X**	**25 11 49 40.1–1.4**	**54.37N**	**122.45E**	**10–6**	**3.7b**	
							¶13936118
SKHL	**X**	**25 17 43 32.5–1.2**	**55.28N**	**135.17E**	**7–1**	**4.3b**	
							¶13936119
SKHL	**X**	**26 01 23 50.8–.40**	**50.49N**	**135.98E**	**10–6**	**4.0b**	
							¶13936121
SKHL	**X**	**29 00 06 42.9–.70**	**55.25N**	**123.95E**	**7–2**	**4.3b**	
							¶13936124
SKHL	**XI**	**02 12 24 16.3–.40**	**55.27N**	**124.00E**	**8–1**	**4.0b**	
							¶14011171
SKHL	**XI**	**06 09 53 01.5–.60**	**55.54N**	**128.82E**	**10–3**	**4.6b,3.5s**	
							¶14011320

ISC	**XI**	**08 08 45 58.2–.88**	**56.86N–.02**	**123.01E–.03**	**23–6**	**5.0b,4.5s**	**1127**	**1-156**
BJI	XI	08 08 45 51.6	57.19N	123.95E	28	5.1s,5.0b		**¶13399565**
MOS	XI	08 08 45 53.5–.83	56.91N	123.01E	6	5.2b,4.6s		
IDC	XI	08 08 45 53.8–.41	56.81N	123.10E	0	4.9,4.9		
ISCJB	XI	08 08 45 54.5–.94	56.90N–.02	122.96E–.03	10–5	5.0b,4.5s		
NEIC	XI	08 08 45 58.3–1.2	56.85N	123.00E	27–9	5.1b,4.5s		
DJA	XI	08 08 46 13	56.63N	121.48E	99	4.9b,4.5s		
SZGRF	XI	08 08 46 15.5	59.20N	120.82E	33	5.2b,4.7s		

ISC Event type se.
MOS Error ellipse: s-maj=6.0km s-min=3.9km az=103.1.
IDC Error ellipse: s-maj=12.2km s-min=10.3km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.2km az=157.3.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.1km az=163.0.
SZGRF Southeastern Siberia, Russia.

ISC	**XI**	**08 09 21 22.1–1.3**	**56.70N–.10**	**123.3E–.10**	**26–13**	**3.6b**	**43**	**1-146**
IDC	XI	08 09 21 17.4–.83	56.65N	123.35E	0	3.9,3.7b		**¶12072800**
MOS	XI	08 09 21 19.0–1.3	56.72N	123.03E	14	4.2b,3.7b		
NEIC	XI	08 09 21 19.0–.63	56.57N	123.42E	10	4.2b,3.7b		
ISCJB	XI	08 09 21 21.5–1.0	56.73N–.08	123.2E–.10	36–13	3.6b,3.7b		

ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

SKHL	**XI**	**13 08 22 52.0–.90**	**54.31N**	**122.42E**	**20–1**	**4.0b**	
							¶14011556
SKHL	**XI**	**17 02 41 28.9–.50**	**54.21N**	**126.17E**	**7–1**	**3.9b**	
							¶14011701
SKHL	**XI**	**22 06 30 23.3–.30**	**54.08N**	**134.48E**	**16–2**	**3.8b**	
							¶14011828
SKHL	**XI**	**22 16 29 59.0–.40**	**54.04N**	**134.43E**	**13–0**	**3.7b**	
							¶14011829

ISC	**XII**	**01 16 24 11.0–.28**	**57.24N–.03**	**120.42E–.04**	**10**	**4.1b,3.4s**	**153**	**0-149**
MOS	XII	01 16 24 09.1–1.1	57.33N	120.52E	12	4.4b,3.4s		**¶13401648**
ISCJB	XII	01 16 24 09.2–.29	57.20N–.03	120.37E–.04	10	4.1b,3.4s		
IDC	XII	01 16 24 09.2–.62	57.30N	120.44E	0	4.1,4.1		
BJI	XII	01 16 24 09.1	57.32N	120.97E	17	5.2L,4.5b		
BYKL	XII	01 16 24 09.9–.46	57.32N	120.53E		5.2L,4.5b		
NEIC	XII	01 16 24 10.8–.35	57.28N	120.45E	10	4.2b,4.5b		

ISC Event type se.
MOS Error ellipse: s-maj=10.5km s-min=7.6km az=94.6.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.3km az=12.4.
IDC Error ellipse: s-maj=17.2km s-min=13.2km az=34.0.
BYKL Event type se.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=7.1km az=168.0.

SKHL	**XII**	**18 09 30 52.9–.80**	**54.40N**	**125.96E**	**10–1**	**3.9b**	
							¶14239008
SKHL	**XII**	**19 14 41 52.1–.70**	**54.45N**	**129.10E**	**6–1**	**3.9b**	
							¶14239020

(657) Priamurye-Northeastern China border region.

BYKL	**VIII**	**01 06 22 57.2–.58**	**49.82N**	**118.99E**			
BJI	VIII	01 06 22 59.1	50.02N	119.27E	31	3.6L	**¶11652729**

BYKL Event type se.

SKHL	**X**	**04 15 23 31.0–.70**	**53.60N**	**125.48E**	**6–2**	**3.8b**	
							¶13936095

ISC	**X**	**22 16 18 35.4–.14**	**42.02N–.02**	**131.30E–.02**	**539–2**	**4.8b**	**1246**	**1-164**
SZGRF	X	22 16 17 28.5	40.39N	133.92E	33	5.3b		**¶13397804**
NIED	X	22 16 18 00	42.00N	131.80E	640	5.1W		
JMA	X	22 16 18 34.8–.20	41.95N	131.79E	615	5.0		
ISCJB	X	22 16 18 34.4–.16	42.02N–.02	131.25E–.02	539–2	4.8b		
MOS	X	22 16 18 35.3–.88	42.02N	131.37E	558	4.8b		
IDC	X	22 16 18 36.7–.78	41.94N	131.32E	565–9	4.4,4.4		
TEH	X	22 16 18 36.0	42.03N	131.32E	548	4.4,4.4		
NEIC	X	22 16 18 36.4–.27	41.99N	131.32E	559–3	5.0W,4.8b		
SKHL	X	22 16 18 36.0–.90	41.98N	131.45E	558–7	5.4s,5.1b		
BJI	X	22 16 18 37.2	41.89N	131.02E	536	5.3b,4.8b		

ISC Event type se.
SZGRF Sea of Japan.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s204.00000°,δ79.00000°,λ79.00000°. NP2:ϕ_s68.00000°,δ15.00000°,λ134.00000°. M_o4.32000×10^{16}
JMA Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.1km az=170.7.
MOS Error ellipse: s-maj=7.0km s-min=4.1km az=116.7.
IDC Error ellipse: s-maj=7.7km s-min=6.9km az=16.0.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.8km az=168.0. Moment Tensor Solution. M_o4.30000×10^{16}

SKHL	**XII**	**04 06 30 54.2–1.2**	**48.75N**	**132.07E**	**25–11**	**3.8b**	
							¶14238802

ISC	**XII**	**28 21 28 45.6–.61**	**47.49N–.03**	**130.28E–.05**	**10**		**18**	**2-9**
SKHL	XII	28 21 28 50.2–.30	47.48N	130.33E	10–9	3.7b		**¶12790308**
BJI	XII	28 21 28 51.6	47.38N	130.09E	14	3.6L		

(658) Northeastern China.

ISC	**VII**	**07 06 32 52.0–1.1**	**47.14N–.03**	**122.93E–.03**	**1–6**	**4.7b,3.8s**	**466**	**4-148**
ISCJB	VII	07 06 32 51.9–.13	47.14N–.03	122.87E–.03	10	4.5b,3.8s		**¶11121179**
IDC	VII	07 06 32 51.1–.51	47.04N	123.02E	0	4.5,4.5		
BJI	VII	07 06 32 52.0	47.08N	123.07E	14	5.0L,4.6s		
NEIC	VII	07 06 32 53.2–.25	47.14N	122.89E	10	4.7b,4.6s		
MOS	VII	07 06 32 54.9–1.1	47.08N	122.87E	37	4.8b,4.6s		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.9km az=147.4.
IDC Error ellipse: s-maj=14.6km s-min=12.8km az=15.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.3km az=183.0.
MOS Error ellipse: s-maj=9.0km s-min=6.2km az=107.1.

IDC	**VII**	**24 07 42 56.0–4.3**	**41.31N**	**114.27E**	**0**	**3.6,3.5b**	
							¶12698417

IDC Error ellipse: s-maj=95.3km s-min=34.2km az=25.0.

BJI	**IX**	**02 07 06 11.9**	**39.40N**	**112.91E**	**19**	**3.7L**	
							¶12608654
BJI	**IX**	**03 13 43 44.4**	**42.75N**	**124.16E**	**18**	**3.5L**	
							¶12608673
BJI	**IX**	**18 00 54 26.9**	**44.41N**	**120.89E**	**16**	**3.7L**	
							¶12608810
BJI	**IX**	**25 07 06 06.8**	**44.38N**	**116.59E**	**10**	**3.7L**	
							¶12608869
BJI	**X**	**10 23 34 12.8**	**43.19N**	**122.11E**	**5**	**3.6L**	
							¶12789694

ISC	**XI**	**02 18 55 58.9–.33**	**40.60N–.03**	**123.09E–.05**	**10**	**4.3b,3.1s**	**131**	**1-83**
ISCJB	XI	02 18 55 57.7–.30	40.61N–.03	122.91E–.04	10	4.3b,3.1s		**¶12072017**
IDC	XI	02 18 55 57.9–.63	40.58N	122.86E	0	4.1,4.0		
NEIC	XI	02 18 55 58.1–.37	40.60N	123.23E	10	4.7b,4.0		
BJI	XI	02 18 55 59.7	40.78N	122.80E	8	4.2b,4.1L		
MOS	XI	02 18 56 00.9–.91	40.63N	122.96E	33	4.7b,4.1L		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=4.1km az=34.7.
IDC Error ellipse: s-maj=24.3km s-min=12.0km az=37.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.7km az=20.0.
MOS Error ellipse: s-maj=16.1km s-min=7.3km az=44.4.

ISC	**XI**	**08 16 46 02.4–.39**	**40.58N–.03**	**123.05E–.04**	**10**	**3.9b**	**51**	**1-65**
ISCJB	XI	08 16 46 00.2–.40	40.54N–.03	123.05E–.04	10	3.9b		**¶12072836**
IDC	XI	08 16 46 01.5–1.3	40.58N	122.92E	0	3.9b,3.9		
MOS	XI	08 16 46 03.1–1.1	40.36N	122.85E	33	4.1b,3.9		
BJI	XI	08 16 46 04.7	40.77N	122.75E	22	4.6b,4.2b		
NEIC	XI	08 16 46 13.2–.94	40.68N	122.21E	65–12	3.9b,4.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=4.3km az=165.8.
IDC Error ellipse: s-maj=40.3km s-min=17.7km az=29.0.
MOS Error ellipse: s-maj=25.0km s-min=13.1km az=44.7.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=11.5km az=189.0.

ISC	**XI**	**13 22 53 25.7–.24**	**40.60N–.02**	**123.05E–.04**	**10**	**4.4b,3.6s**	**165**	**1-87**
ISCJB	XI	13 22 53 23.8–.27	40.60N–.03	123.03E–.04	10	4.4b,3.6s		**¶12073463**
IDC	XI	13 22 53 24.1–.56	40.53N	122.89E	0	4.4,4.2		
BJI	XI	13 22 53 26.1	40.72N	122.92E	13	4.7L,4.4b		
MOS	XI	13 22 53 26.0–1.0	40.53N	122.93E	26	4.7b,4.4b		
NEIC	XI	13 22 53 29.6–.34	40.54N	122.84E	35	4.5b,4.4b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.6km az=33.6.
IDC Error ellipse: s-maj=19.8km s-min=11.6km az=46.0.
MOS Error ellipse: s-maj=12.0km s-min=6.0km az=125.7.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.4km az=184.0.

ISC	**XII**	**10 23 51 57.6–1.5**	**42.16N–.04**	**123.0E–.10**	**8–10**	**3.8b**	**22**	**1-82**
ISCJB	XII	10 23 51 56.1–1.5	42.20N–.04	123.0E–.10	11–10	3.8b		**¶12076818**
IDC	XII	10 23 51 56.5–.76	42.19N	122.95E	0	3.9,3.8b		
BJI	XII	10 23 51 57.4	42.28N	122.91E	11	3.9L,3.8b		

ISCJB Error ellipse: s-maj=13.4km s-min=6.5km az=8.0.
IDC Error ellipse: s-maj=27.4km s-min=14.5km az=56.0.

(660) Sea of Japan.

JMA	**VII**	**01 06 36 58.4–.50**	**37.61N**	**134.50E**	**425–5**	**3.6**	
							¶13502279

JMA Error ellipse: s-maj=3.3km s-min=2.6km az=-1.0.

ISC	**VII**	**03 23 24 37.9–.31**	**37.49N–.06**	**135.56E–.06**	**354–4**	**3.4b**	**51**	**2-93**
ISCJB	VII	03 23 24 37.0–.31	37.50N–.06	135.56E–.06	361–4	3.4b		**¶11810564**
IDC	VII	03 23 24 37.8–.77	37.51N	135.50E	349–10	3.3,3.1b		
JMA	VII	03 23 24 37.6–.20	37.42N	135.63E	364–3	3.2,3.1b		
NEIC	VII	03 23 24 37.7–.41	37.48N	135.45E	350–5	3.7b,3.1b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.4km az=165.8.
IDC Error ellipse: s-maj=18.2km s-min=14.9km az=17.0.
JMA Error ellipse: s-maj=3.3km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.0km az=222.0.

ISC	**VII**	**10 18 24 01.6–.24**	**38.29N–.04**	**134.07E–.05**	**435–4**	**3.9b**	**84**	**2-77**
BJI	VII	10 18 23 59.0	38.31N	134.11E	432	4.7b,4.5b		**¶11479936**
JMA	VII	10 18 24 00.6–.20	38.29N	134.09E	447–2	3.5,4.5b		
ISCJB	VII	10 18 24 00.8–.24	38.29N–.04	134.11E–.05	444–4	3.9b,4.5b		
NIED	VII	10 18 24 00	38.30N	134.10E	440	4.1W,4.5b		
MOS	VII	10 18 24 00.5–.64	38.33N	134.10E	439	4.0b,4.5b		
NEIC	VII	10 18 24 01.5–.41	38.32N	134.07E	435–7	4.2b,4.5b		
IDC	VII	10 18 24 01.3–.73	38.35N	134.11E	429–9	3.3b,3.3		

ISC Event type se.
JMA Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.7km az=166.8.
NIED Moment Tensor Solution. Best double couple: NP1:ϕ_s50.00000°,δ60.00000°,λ-143.00000°. NP2:ϕ_s299.00000°,δ58.00000°,λ-36.00000°. M_o1.43000×10^{15}
MOS Error ellipse: s-maj=14.7km s-min=10.5km az=130.3.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.8km az=55.0.
IDC Error ellipse: s-maj=14.8km s-min=9.7km az=46.0.

ISC	**VII**	**31 01 34 56.5–.29**	**38.60N–.06**	**133.85E–.06**	**453–6**	**3.7b**	**74**	**3-79**
NIED	VII	31 01 34 00	38.50N	133.90E	480	4.0W		**¶13390468**

ISCJB	VII	31 01 34 55.6–.29	38.62N–.05	133.84E–.06	459–6	3.7b	
MOS	VII	31 01 34 55.6–.65	38.64N	133.81E	458	4.1b	
JMA	VII	31 01 34 55.5–.20	38.51N	133.90E	473–2	3.7	
NEIC	VII	31 01 34 56.4–.48	38.55N	133.66E	449–7	4.1b	
BJI	VII	31 01 34 56.0	38.53N	133.67E	468	4.7b,4.5b	
IDC	VII	31 01 34 56.7–1.2	38.66N	133.70E	449–15	3.3,3.2b	
ISC		Event type se.					
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s311.00000°,δ58.00000°,λ-69.00000°. NP2:ϕ_s95.00000°,δ37.00000°,λ-120.00000°. $M_0$1.04000×10^{15}					
ISCJB		Event type se. Error ellipse: s-maj=9.7km s-min=6.0km az=143.6.					
MOS		Error ellipse: s-maj=18.2km s-min=12.5km az=121.5.					
JMA		Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.					
NEIC		Event type se. Error ellipse: s-maj=12.4km s-min=8.0km az=46.0.					
IDC		Error ellipse: s-maj=20.5km s-min=15.3km az=18.0.					
ISC	**VIII**	**08 09 23 59.0–.33**	**37.80N–.07**	**134.44E–.06**	**395–5**	**3.5b**	**50 2-94**
ISCJB	VIII	08 09 23 57.9–.33	37.83N–.06	134.48E–.06	404–6	3.5b	**¶11652845**
NEIC	VIII	08 09 23 58.6–.49	38.01N	134.24E	376–9	4.7b	
JMA	VIII	08 09 23 58.0–.20	37.83N	134.45E	405–2	3.6	
BJI	VIII	08 09 23 59.5	38.00N	134.20E	375	4.7b,4.4b	
IDC	VIII	08 09 23 59.8–.86	38.20N	134.29E	378–13	3.3,3.2	
ISC		Event type se.					
ISCJB		Event type se. Error ellipse: s-maj=10.0km s-min=6.4km az=153.8.					
NEIC		Event type se. Error ellipse: s-maj=18.0km s-min=9.2km az=170.0.					
JMA		Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.					
IDC		Error ellipse: s-maj=28.5km s-min=12.8km az=180.0.					
ISC	**X**	**19 04 18 51.8–.65**	**39.4N–.10**	**134.5E–.10**	**407–11**	**3.4b**	**22 4-93**
ISCJB	X	19 04 18 50.7–.66	39.5N–.10	134.6E–.10	404–11	3.4b	**¶12069019**
NEIC	X	19 04 18 51.1–.68	39.35N	134.44E	402–10	3.6b	
IDC	X	19 04 18 52.1–1.5	39.26N	134.47E	415–36	3.2,3.0b	
ISC		Event type se.					
ISCJB		Event type se. Error ellipse: s-maj=22.2km s-min=11.6km az=153.7.					
NEIC		Event type se. Error ellipse: s-maj=18.8km s-min=12.0km az=145.0.					
IDC		Error ellipse: s-maj=68.5km s-min=19.1km az=9.0.					
ISC	**X**	**21 08 06 38.4–.37**	**37.18N–.08**	**135.11E–.06**	**366–4**	**3.5b**	**46 2-151**
ISCJB	X	21 08 06 37.6–.38	37.16N–.08	135.12E–.07	373–4	3.5b	**¶12070723**
JMA	X	21 08 06 37.7–.10	37.15N	135.09E	373–2	3.1	
NEIC	X	21 08 06 37.9–.74	37.24N	134.99E	362–8	4.5b	
IDC	X	21 08 06 38.3–.70	37.20N	135.09E	365–7	3.5,3.2	
ISC		Event type se.					
ISCJB		Event type se. Error ellipse: s-maj=13.3km s-min=8.2km az=162.4.					
JMA		Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.					
NEIC		Event type se. Error ellipse: s-maj=16.6km s-min=12.0km az=128.0.					
IDC		Error ellipse: s-maj=15.7km s-min=11.5km az=175.0.					
JMA	**X**	**24 03 09 37.2–.20**	**37.88N**	**134.82E**	**379**	**3.6**	**¶14114490**
JMA		Error ellipse: s-maj=4.4km s-min=3.5km az=-1.0.					
ISC	**XI**	**16 15 21 07.3–.51**	**37.58N–.08**	**135.62E–.09**	**348–7**	**2.9b**	**40 1-61**
ISCJB	XI	16 15 21 06.3–.52	37.57N–.08	135.63E–.09	357–7	2.9b	**¶12073762**
JMA	XI	16 15 21 06.5–.30	37.54N	135.60E	356–3	2.8	
IDC	XI	16 15 21 06.9–1.1	37.74N	135.76E	354–16	3.0,2.8	
NEIC	XI	16 15 21 07.0–.71	37.64N	135.58E	349–12	4.0b,2.8	
ISC		Event type se.					
ISCJB		Event type se. Error ellipse: s-maj=14.3km s-min=8.3km az=142.1.					
JMA		Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.					
IDC		Error ellipse: s-maj=23.1km s-min=16.4km az=62.0.					
NEIC		Event type se. Error ellipse: s-maj=21.0km s-min=12.6km az=87.0.					
JMA	**XI**	**19 22 20 56.3–.30**	**37.26N**	**135.06E**	**383**	**3.8**	**¶14123729**
JMA		Error ellipse: s-maj=4.4km s-min=4.4km az=-1.0.					
ISC	**XI**	**24 14 33 08.8–.85**	**36.4N–.20**	**134.6E–.10**	**332–11**	**3.0b**	**11 3-82**
ISCJB	XI	24 14 33 07.9–.85	36.3N–.20	134.6E–.10	337–11	3.0b	**¶12074692**
IDC	XI	24 14 33 08.2–1.5	36.39N	134.70E	328–16	2.9,2.8b	
JMA	XI	24 14 33 09.0–.20	37.20N	135.28E	361	2.9,2.8b	
ISCJB		Error ellipse: s-maj=35.0km s-min=18.9km az=5.3.					
IDC		Error ellipse: s-maj=31.6km s-min=26.8km az=133.0.					
JMA		Error ellipse: s-maj=3.3km s-min=3.5km az=-1.0.					
ISC	**XII**	**16 13 36 07.8–.35**	**36.83N–.06**	**135.27E–.07**	**374–4**	**3.4b**	**53 1-67**
ISCJB	XII	16 13 36 06.7–.35	36.83N–.06	135.30E–.06	383–4	3.4b	**¶12077758**
IDC	XII	16 13 36 07.9–.75	36.88N	135.26E	373–11	3.2,3.1b	
NEIC	XII	16 13 36 07.9–.40	36.90N	135.28E	377–6	3.4b,3.1b	
JMA	XII	16 13 36 07.7–.10	36.86N	135.26E	371–2	3.1,3.1b	
ISC		Event type se.					
ISCJB		Event type se. Error ellipse: s-maj=9.6km s-min=8.1km az=165.2.					
IDC		Error ellipse: s-maj=25.8km s-min=12.9km az=57.0.					
NEIC		Event type se. Error ellipse: s-maj=10.1km s-min=8.3km az=50.0.					
JMA		Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.					

(661) Primorye.

JMA	**XI**	**15 16 03 51.5–.30**	**46.41N**	**140.97E**	**0**	**3.2**	
SKHL	XI	15 16 03 52.3–.40	46.49N	140.96E	10–0	3.8b	**¶13754194**
JMA		Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0.					
ISC	**XII**	**17 15 53 24.9–.53**	**42.60N–.09**	**132.0E–.10**	**525–7**	**3.2b**	**21 1-66**
ISCJB	XII	17 15 53 23.9–.53	42.60N–.09	132.1E–.10	532–7	3.2b	**¶12077930**
SKHL	XII	17 15 53 24.5–.90	42.64N	131.92E	512–17	4.1b	
IDC	XII	17 15 53 24.9–2.3	42.51N	132.17E	524–24	2.8,2.6	
NEIC	XII	17 15 53 25.1–.55	42.48N	132.13E	520–9	4.0b,2.6	
ISC		Event type se.					
ISCJB		Event type se. Error ellipse: s-maj=16.6km s-min=11.7km az=30.6.					
IDC		Error ellipse: s-maj=63.0km s-min=27.1km az=161.0.					
NEIC		Event type se. Error ellipse: s-maj=19.7km s-min=10.6km az=146.0.					

(662) Sakhalin Island.

SKHL	**VII**	**13 15 47 11.0–.20**	**53.30N**	**142.83E**	**10–0**	**3.8b**	**¶13596698**
SKHL		Event type fe. Felt (II) at Tungor.					
SKHL	**VII**	**18 12 22 17.1–.20**	**52.49N**	**142.41E**	**10–0**	**4.1b**	**¶13596870**
ISC	**VII**	**24 21 52 46.3–.23**	**46.16N–.03**	**142.97E–.06**	**350–2**	**3.6b**	**121 1-90**
NIED	VII	24 21 52 00	46.10N	143.00E	360	3.9W	**¶11480119**
ISCJB	VII	24 21 52 45.5–.23	46.16N–.03	143.00E–.06	357–2	3.6b	
MOS	VII	24 21 52 45.4–1.0	46.23N	142.84E	356	3.8b	
NEIC	VII	24 21 52 46.5–.44	46.14N	142.97E	354–5	3.9b	
JMA	VII	24 21 52 46.8–.30	46.06N	143.04E	354–3	4.2	
BJI	VII	24 21 52 46.1	46.33N	143.01E	350	4.6b,4.3b	
IDC	VII	24 21 52 46.1–.84	46.40N	142.86E	337–18	3.6,3.4	
SKHL	VII	24 21 52 47.6–.40	46.15N	142.79E	335–4	4.9s,4.2b	
ISC		Event type se.					
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s168.00000°,δ69.00000°,λ72.00000°. NP2:ϕ_s31.00000°,δ28.00000°,λ130.00000°. $M_0$8.50000×10^{14}					
ISCJB		Event type se. Error ellipse: s-maj=6.6km s-min=5.2km az=166.8.					
MOS		Error ellipse: s-maj=14.3km s-min=9.0km az=91.3.					
NEIC		Event type se. Error ellipse: s-maj=7.5km s-min=5.9km az=142.0.					
JMA		Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.					
IDC		Error ellipse: s-maj=32.8km s-min=13.1km az=176.0.					
ISC	**VII**	**27 18 56 20.1–1.1**	**46.69N–.04**	**141.76E–.07**	**9–9**	**3.3b**	**27 1-84**
NIED	VII	27 18 56 00	46.70N	141.60E	5	3.7W	**¶11747177**
JMA	VII	27 18 56 17.8–.30	46.71N	141.64E	0	3.7	
ISCJB	VII	27 18 56 18.2–.97	46.76N–.04	141.65E–.07	9–8	3.3b	
IDC	VII	27 18 56 19.6–1.0	46.54N	142.34E	0	3.7,3.5	
SKHL	VII	27 18 56 19.2–.60	46.83N	141.61E	12–2	3.8b,3.5	
MOS	VII	27 18 56 21.1–2.8	46.93N	141.97E	10	3.8b,3.5	
NEIC	VII	27 18 56 24.1–2.4	46.58N	142.32E	30–15	3.8b,3.5	
ISC		Event type fe.					
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s187.00000°,δ68.00000°,λ95.00000°. NP2:ϕ_s353.00000°,δ22.00000°,λ77.00000°. $M_0$4.36000×10^{14}					
JMA		Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.					
ISCJB		Event type fe. Error ellipse: s-maj=8.1km s-min=5.5km az=153.6.					
IDC		Error ellipse: s-maj=35.2km s-min=24.7km az=149.0.					
SKHL		Event type fe. Felt (III-IV) at Kholmsk, (III) at Nevel'sk.					
MOS		Event type fe. Error ellipse: s-maj=29.6km s-min=25.5km az=98.8. Felt (III-IV) at Kholmsk; (III) at Nevel'sk. Moment Tensor Solution.					
NEIC		Event type se. Error ellipse: s-maj=29.9km s-min=17.6km az=165.0.					
SKHL	**VIII**	**03 20 22 36.6–.70**	**47.41N**	**142.10E**	**10–0**	**3.9b**	**¶13808573**
SKHL		Event type fe. Felt (II-III) at Kostromskoye.					
SKHL	**IX**	**02 13 11 08.0–.20**	**53.70N**	**142.70E**	**10–0**	**4.4b**	**¶13844929**
SKHL	**IX**	**06 19 00 01.9–.40**	**51.90N**	**142.70E**	**10–0**	**4.0b**	**¶13845020**
ISC	**IX**	**18 09 30 00.6–.07**	**46.09N–.01**	**143.49E–.02**	**334**	**5.1b**	**1447 1-155**
NIED	IX	18 09 29 00	45.90N	143.60E	360	5.4W	**¶13394587**
DJA	IX	18 09 29 45	46.51N	144.56E	200	5.2b	
BJI	IX	18 09 29 58.4	46.21N	143.59E	330	5.3b,4.8b	
MOS	IX	18 09 29 58.6–.94	46.13N	143.55E	328	5.1b,4.0s	
JMA	IX	18 09 29 58.6–.30	45.94N	143.64E	348–2	5.4,4.0s	
SKHL	IX	18 09 29 59.4–.60	46.00N	143.60E	325–6	6.3,6.0	
ISCJB	IX	18 09 29 59.2–.07	46.11N–.01	143.51E–.02	332	5.1b,6.0	
SZGRF	IX	18 09 30 00.4	46.65N	145.18E	340	5.2b,6.0	
IDC	IX	18 09 30 00.1–.34	46.19N	143.60E	332–3	4.9,4.9	
NEIC	IX	18 09 30 00.3–.09	46.16N	143.56E	332	5.2b,4.9	
GCMT	IX	18 09 30 03.2–.30	46.18N	143.49E	344–1	5.4W,4.9	
ISC		Event type fe.					
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s83.00000°,δ77.00000°,λ164.00000°. NP2:ϕ_s177.00000°,δ75.00000°,λ13.00000°. $M_0$1.43000×10^{17}					
MOS		Error ellipse: s-maj=5.8km s-min=3.5km az=100.9.					
JMA		Event type fe. Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.					
ISCJB		Event type se. Error ellipse: s-maj=2.1km s-min=1.4km az=150.3.					
SZGRF		Sea of Okhotsk.					
IDC		Error ellipse: s-maj=6.7km s-min=5.6km az=110.0.					
NEIC		Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=160.0. Recorded [2 JMA] in southwestern Hokkaido, Japan. Also recorded [2 JMA] in Aomori and [1 JMA] in Iwate, Honshu.					
GCMT		Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s71,c109; Moment tensor: Scale 10^{17}Nm; M_{rr}0.05±.03 $M_{\theta\theta}$0.32±.04; $M_{\phi\phi}$-0.37±.05; $M_{r\theta}$0.31±.04; $M_{\theta\phi}$-1.29±.04; $M_{\phi r}$-0.20±.04; Best double couple: NP1:ϕ_s174.00000°,δ78.00000°,λ10.00000°. NP2:ϕ_s82.00000°,δ80.00000°,λ168.00000°. Principal axes: T 1.4100,Plg15.0000° ,Azm37.0000°; N -0.0500,Plg75.0000°,Azm223.0000°; P -1.3600,Plg1.0000°,Azm128.0000° $M_0$1.40000×10^{17}					
ISC	**X**	**04 09 20 06.9–.59**	**47.09N–.03**	**142.55E–.07**	**10–4**	**3.9b**	**77 0-83**
MOS	X	04 09 20 04.6–1.2	47.04N	142.47E	10	4.0b	**¶12065889**
ISCJB	X	04 09 20 05.3–.53	47.13N–.02	142.56E–.06	12–4	3.9b	
IDC	X	04 09 20 05.1–.64	47.07N	142.46E	0	4.0,3.9b	
JMA	X	04 09 20 05.1–.50	47.18N	143.09E	16	4.2,3.9b	
SKHL	X	04 09 20 05.3–.50	47.16N	142.65E	10–0	4.3b,4.1s	
NEIC	X	04 09 20 06.3–1.5	47.05N	142.45E	8–10	4.3b,4.1s	
ISC		Event type fe.					
MOS		Event type fe. Error ellipse: s-maj=17.6km s-min=10.5km az=99.5. Felt (IV-V) at Sinegorsk, Bikov; (III-IV) at Yuzhno-Sakhalinsk, Bereznyaki, Novoaleksandrovsk, Yelochki, Klyuchi, Dal'nee. Moment Tensor Solution.					
ISCJB		Event type fe. Error ellipse: s-maj=7.3km s-min=3.4km az=162.8.					
IDC		Error ellipse: s-maj=19.0km s-min=15.4km az=109.0.					
JMA		Error ellipse: s-maj=4.4km s-min=4.5km az=-1.0.					
SKHL		Event type fe. Felt (IV-V) at Sinegorsk, Bykov, (III-IV) at Yushno-Sakhalinsk, Novoaleksandrovsk. Dal'neye, Kluchi, Elochki, Bereznyaki.					
NEIC		Event type se. Error ellipse: s-maj=10.9km s-min=7.9km az=122.0.					
SKHL	**X**	**16 23 24 51.5–.40**	**47.19N**	**142.64E**	**10–0**	**4.9b**	**¶13936109**
SKHL		Event type fe. Felt (II-III) at Sinegorsk, Sanatornyy.					
ISC	**XI**	**07 05 53 44.3–.75**	**48.58N–.02**	**142.52E–.06**	**5–5**	**4.0b**	**91 1-83**
ISCJB	XI	07 05 53 42.2–.71	48.57N–.02	142.48E–.06	3–4	4.0b	**¶13399473**
MOS	XI	07 05 53 42.9–1.1	48.63N	142.55E	10	4.2b	
SKHL	XI	07 05 53 42.5–1.1	48.53N	142.55E	10–0	4.4b,4.0s	
IDC	XI	07 05 53 43.5–.68	48.67N	142.39E	0	4.2,4.2	
NEIC	XI	07 05 53 44.9–.37	48.61N	142.44E	10	4.4b,4.2	
ISC		Event type fe.					
ISCJB		Event type fe. Error ellipse: s-maj=6.7km s-min=3.7km az=164.5.					
MOS		Event type fe. Error ellipse: s-maj=16.0km s-min=8.2km az=97.7. Felt (III) at Makarov. Moment Tensor Solution.					
SKHL		Event type fe. Felt (III) at Makarov.					
IDC		Error ellipse: s-maj=20.7km s-min=15.2km az=149.0.					
NEIC		Event type se. Error ellipse: s-maj=9.8km s-min=8.6km az=107.0.					
ISC	**XI**	**09 14 10 44.3–.74**	**46.80N–.02**	**141.88E–.06**	**1–5**	**4.2b,3.5s**	**125 1-89**
NIED	XI	09 14 10 00	46.90N	141.70E	11	4.3W,3.5s	**¶11750329**
SKHL	XI	09 14 10 43.5–.30	46.87N	141.71E	10–0	4.1b,3.5s	
JMA	XI	09 14 10 43.6–.40	46.91N	141.75E	16	4.6,3.5s	
MOS	XI	09 14 10 43.2–1.6	46.66N	141.81E	8	4.3b,3.5s	
ISCJB	XI	09 14 10 43.1–.79	46.84N–.02	141.80E–.05	4–5	4.1b,3.5s	
IDC	XI	09 14 10 43.8–.54	46.79N	141.84E	0	4.0,4.0	
NEIC	XI	09 14 10 45.5–1.9	46.87N	141.73E	10–13	4.4b,4.0	
BJI	XI	09 14 10 46.6	46.75N	141.36E	10	4.8b,4.5b	
ISC		Event type fe.					
NIED		Moment Tensor Solution. Best double couple: NP1:ϕ_s186.00000°,δ67.00000°,λ84.00000°. NP2:ϕ_s21.00000°,δ24.00000°,λ104.00000°. $M_0$3.26000×10^{15}					
SKHL		Event type fe. Felt (III-IV) at Nevel'sk, (II-III) at Kholmsk.					
JMA		Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.					
MOS		Event type fe. Error ellipse: s-maj=12.1km s-min=7.4km az=92.1. Felt (III-IV) at Nevel'sk, (II-III) at Kholmsk. Moment Tensor Solution.					
ISCJB		Event type fe. Error ellipse: s-maj=6.3km s-min=3.5km az=171.8.					
IDC		Error ellipse: s-maj=15.3km s-min=11.1km az=80.0.					
NEIC		Event type se. Error ellipse: s-maj=11.0km s-min=7.3km az=119.0.					
SKHL	**XII**	**04 05 28 23.0–.70**	**52.20N**	**142.40E**	**10–0**	**4.7s,4.4b**	**¶14238803**
SKHL	**XII**	**10 09 03 44.3–.60**	**47.40N**	**142.10E**	**10–0**	**3.6b**	**¶14238940**
ISC	**XII**	**15 10 25 39.6–.88**	**48.60N–.02**	**142.46E–.05**	**15–5**	**4.3b,3.8s**	**140 1-83**
IDC	XII	15 10 25 36.9–.53	48.56N	142.45E	0	4.3,4.3	**¶13402844**
MOS	XII	15 10 25 36.9–.91	48.61N	142.45E	11	4.5b,4.3	
SKHL	XII	15 10 25 36.2–.40	48.50N	142.40E	10–0	4.6b,4.1s	
BJI	XII	15 10 25 36.9	48.75N	142.51E	16	4.8b,4.7L	
ISCJB	XII	15 10 25 38.6–.87	48.58N–.02	142.50E–.05	22–6	4.3b,3.8s	
NEIC	XII	15 10 25 42.5–.74	48.55N	142.48E	40–8	4.6b,3.8s	
ISC		Event type fe.					
IDC		Error ellipse: s-maj=15.7km s-min=13.4km az=133.0.					
MOS		Event type fe. Error ellipse: s-maj=10.6km s-min=6.2km az=96.7. Felt (III-IV) at Makarov, Krasnogorsk, (III) at Gorny, Tumanovo, (II-III) at Uglegorsk, Shakhtersk. Moment Tensor Solution.					
ISCJB		Event type fe. Error ellipse: s-maj=6.0km s-min=4.1km az=169.9.					
NEIC		Event type se. Error ellipse: s-maj=8.1km s-min=4.9km az=147.0.					
SKHL	**XII**	**23 03 46 08.2–.20**	**52.50N**	**142.40E**	**14–2**	**4.0b**	**¶14239101**
ISC	**XII**	**23 06 17 14.5–.59**	**49.88N–.02**	**142.72E–.08**	**10**	**3.4b**	**22 1-52**
IDC	XII	23 06 17 07.3–15	48.74N	143.08E	0	3.7,3.5	**¶12078635**
ISCJB	XII	23 06 17 12.5–.52	49.87N–.02	142.45E–.07	10	3.4b,3.5	
SKHL	XII	23 06 17 13.2–.50	49.90N	142.40E	13–1	4.1b,3.5	
IDC		Error ellipse: s-maj=456.4km s-min=27.2km az=167.0.					
ISCJB		Error ellipse: s-maj=7.0km s-min=3.4km az=171.2.					
SKHL	**XII**	**29 19 41 51.9–.30**	**52.90N**	**142.70E**	**10–0**	**4.2b**	**¶14239148**

(663) Sea of Okhotsk.

ISC	**VII**	**05 02 12 06.1–.06**	**53.95N–.01**	**152.86E–.02**	**646**	**6.6b**	**2492 3-161**
BGS	VII	05 02 12 00.7–1.1	53.52N	154.96E	633–0	6.7s,6.5b	**¶12951048**
KRSC	VII	05 02 12 01.1–.60	54.12N	152.20E	594–18	6.4L,6.5b	
SZGRF	VII	05 02 12 02.3	53.73N	153.93E	635	7.5b,6.5b	
MOS	VII	05 02 12 02.3–.88	53.92N	152.90E	615	6.9b,6.5s	
BJI	VII	05 02 12 03.3	53.83N	152.95E	636	7.4b,6.7b	
IDC	VII	05 02 12 04.0–.75	53.91N	153.03E	627–9	5.9b,5.9	
NEIC	VII	05 02 12 04.5–.24	53.88N	152.89E	633–3	7.7W,7.7W	
ISCJB	VII	05 02 12 04.5–.06	53.91N–.01	152.92E–.02	644	6.6b,7.7W	
DJA	VII	05 02 12 05	54.10N	153.05E	650	7.2W,7.7W	
GCMT	VII	05 02 12 14.2–.10	54.12N	153.37E	611–1	7.7W,7.7W	
ISC		Event type fe.					

BGS Error ellipse: s-maj=114.5km s-min=294.6km az=-1.0.
KRSC Event type se.
SZGRF Sea of Okhotsk.
MOS Event type fe. Error ellipse: s-maj=7.5km s-min=4.6km az=97.1. Fault plane solution: P-wave C42, D307 . Felt (III-IV) at Petropavlovsk-Kamchatskiy, (III) at Severo-Kuril'sk, (II-III) at Yuzhno-Sakhalinsk, Kholmsk, Khabarovsk, Komsomol'sk-na-Amure, Uglegorsk, Shakhtersk, (II) at Okha. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s154.00000°,δ52.00000°,λ-128.00000°. NP2:ϕ_p26.00000°,δ52.00000°,λ-52.00000°. Principal axes: T Plg0.0000°,Azm90.0000°; N Plg29.0000°,Azm180.0000°; P Plg61.0000° ,Azm360.0000°
IDC Error ellipse: s-maj=7.2km s-min=5.9km az=136.0.
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=182.0. Felt at Klyuchi, Petropavlovsk- Kamchatskiy and Yuzhno-Sakhalinsk, Russia. Recorded [2 JMA] in eastern and northern Hokkaido, Japan. Also recorded [2 JMA] in Miyagi and [1 JMA] in Akita, Aomori, Iwate and Yamagata, Honshu. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s23.00000°,δ60.00000°,λ-45.00000°. NP2: ϕ_s140.00000°,δ52.00000°,λ-141.00000°. Principal axes: T Plg5.0000°,Azm83.0000° ; N Plg0.0000°,Azm0.0000°; P Plg52.0000°,Azm347.0000° Moment Tensor Solution. s134 Moment tensor: Scale 10^{20}Nm; M_{rr}-3.33 $M_{\theta\theta}$-0.70 $M_{\phi\phi}$4.03 $M_{r\theta}$-2.13 $M_{\theta\phi}$-0.16 $M_{\phi r}$-0.16 Best double couple: NP1:ϕ_s152.00000°,δ51.00000°,λ-129.00000°. NP2:ϕ_p24.00000° ,δ53.00000°,λ-52.00000°. Principal axes: T 4.0400,Plg0.0000°,Azm88.0000° ; N 0.4900,Plg29.0000°,Azm178.0000°; P -4.5200,Plg60.0000°,Azm356.0000° $M_0$4.30000×10^{20} Moment Tensor Solution. $M_0$2.00000×10^{20}
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.2km az=169.9.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 119 sta. Moment Tensor Solution. s121,c339; s99,c313; Moment tensor: Scale 10^{20}Nm; M_{rr}-3.26±.02 $M_{\theta\theta}$-0.77±.02; $M_{\phi\phi}$4.03±.02; $M_{r\theta}$-2.18±.01; $M_{\theta\phi}$-0.85±.02; $M_{\phi r}$-1.00±.02; Best double couple: NP1:ϕ_s143.00000°,δ48.00000° ,λ-134.00000°. NP2:ϕ_s18.00000°,δ58.00000°,λ-52.00000°. Principal axes: T 4.2400,Plg5.0000°,Azm83.0000°; N 0.4800,Plg31.0000°,Azm176.0000° ; P -4.7200,Plg58.0000°,Azm344.0000° $M_0$4.50000×10^{20}

ISC	**VII**	**05 02 30 55.8–.16**	**54.09N–.03**	**153.93E–.03**	**486–1**	**5.0b**	**581**	**2-158**
BJI	VII	05 02 30 50.7	53.86N	154.77E	480	5.7b,5.4b		**¶11009331**
KRSC	VII	05 02 30 50.1–1.7	53.65N	155.21E	576–45	5.7L,5.4b		
IDC	VII	05 02 30 55.8–.90	54.12N	153.96E	488–10	4.6,4.6		
ISCJB	VII	05 02 30 55.1–.16	54.08N–.03	153.96E–.03	492–1	5.0b,4.6		
MOS	VII	05 02 30 55.0–.86	54.05N	154.12E	498	5.1b,4.6		
NEIC	VII	05 02 30 56.1–.32	54.08N	153.99E	495–3	5.0b,4.6		

ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=9.2km s-min=7.0km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=4.6km s-min=2.7km az=160.9.
MOS Error ellipse: s-maj=8.9km s-min=4.5km az=99.4.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.4km az=163.0.

ISC	**VII**	**24 22 28 12.5–.25**	**53.06N–.06**	**153.2E–.10**	**494–5**	**3.9b**	**114**	**2-79**
KRSC	VII	24 22 28 05.6–1.2	52.49N	154.11E	591–31	4.7L		**¶11812551**
MOS	VII	24 22 28 10.9–.94	53.13N	153.25E	493	4.0b		
ISCJB	VII	24 22 28 11.6–.25	53.09N–.06	153.2E–.10	498–5	3.9b		
NEIC	VII	24 22 28 12.1–.37	53.11N	153.24E	490–6	4.3b		
IDC	VII	24 22 28 12.2–.71	53.18N	153.22E	488–10	3.5,3.3b		

ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=12.9km s-min=9.1km az=86.1.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.4km az=41.4.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.3km az=138.0.
IDC Error ellipse: s-maj=17.4km s-min=10.1km az=159.0.

ISC	**VII**	**28 01 42 39.6–.74**	**51.9N–.20**	**151.6E–.20**	**508–11**	**3.3b**	**27**	**3-77**
KRSC	VII	28 01 42 32.9–1.9	51.35N	151.91E	581–41	4.8L		**¶11812753**
ISCJB	VII	28 01 42 38.7–.74	51.9N–.20	151.6E–.20	512–11	3.4b		
MOS	VII	28 01 42 38.5–.95	51.94N	151.61E	515	3.8b		
IDC	VII	28 01 42 39.8–1.9	51.86N	151.52E	512–23	3.0,2.8b		
NEIC	VII	28 01 42 39.7–.84	51.87N	151.52E	512–11	3.8b,2.8b		

ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.3km s-min=15.9km az=154.9.
MOS Error ellipse: s-maj=23.1km s-min=18.7km az=105.8.
IDC Error ellipse: s-maj=25.5km s-min=16.9km az=168.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=11.4km az=166.0.

ISC	**IX**	**23 22 45 43.6–.82**	**48.1N–.10**	**147.1E–.10**	**411–11**	**3.5b**	**26**	**3-80**
ISCJB	IX	23 22 45 42.5–.80	48.1N–.10	147.1E–.10	417–10	3.5b		**¶11910904**
IDC	IX	23 22 45 43.7–1.7	48.10N	147.16E	414–28	3.1,3.0b		
NEIC	IX	23 22 45 43.6–.51	48.14N	147.12E	412–7	3.7b,3.0b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=11.9km az=143.6.
IDC Error ellipse: s-maj=41.0km s-min=19.9km az=155.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.1km az=146.0.

ISC	**X**	**05 00 42 11.9–.36**	**51.01N–.07**	**151.9E–.10**	**394–5**	**3.5b**	**122**	**3-76**
SKHL	X	05 00 42 10.1–1.0	51.50N	151.60E	380–10	5.6,4.7b		**¶13396018**
MOS	X	05 00 42 10.4–.69	51.12N	151.83E	389	3.9b,4.7b		
ISCJB	X	05 00 42 10.7–.34	51.04N–.06	151.9E–.10	397–5	3.5b,4.7b		
KRSC	X	05 00 42 10.7–2.4	50.39N	153.54E	467–56	4.6L,4.7b		
NEIC	X	05 00 42 11.3–.47	50.99N	151.93E	390–6	4.2b,4.7b		
IDC	X	05 00 42 11.7–1.5	51.01N	151.88E	393–16	3.4,3.3b		

ISC Event type se.
MOS Error ellipse: s-maj=13.5km s-min=9.6km az=72.7.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=6.0km az=44.9.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.6km az=140.0.
IDC Error ellipse: s-maj=13.9km s-min=9.9km az=152.0.

ISC	**X**	**18 08 09 49.5–.20**	**47.34N–.03**	**145.81E–.04**	**408–2**	**4.4b**	**469**	**2-153**
SZGRF	X	18 08 09 09.3	47.51N	147.01E	33	5.0b		**¶13397396**
SKHL	X	18 08 09 48.7–1.6	47.10N	145.60E	426–30	5.3,5.2		
MOS	X	18 08 09 48.4–.90	47.41N	145.73E	407	4.4b,5.2		
BJI	X	18 08 09 48.6	47.40N	145.66E	406	4.9b,4.5b		
ISCJB	X	18 08 09 48.9–.21	47.30N–.03	145.81E–.04	417–2	4.4b,4.5b		
IDC	X	18 08 09 49.9–1.1	47.44N	145.75E	410–11	3.9,3.9		
JMA	X	18 08 09 49.3–.30	46.92N	145.89E	450	4.3,3.9		
NEIC	X	18 08 09 50.2–.32	47.41N	145.75E	414–4	4.4b,3.9		

ISC Event type se.
SZGRF Northwest of Kuril Islands, Russia.
MOS Error ellipse: s-maj=8.9km s-min=4.9km az=107.4.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.9km az=39.6.
IDC Error ellipse: s-maj=9.9km s-min=7.5km az=151.0.
JMA Error ellipse: s-maj=4.4km s-min=3.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=148.0.

IDC	**X**	**25 08 17 46.3–2.8**	**49.08N**	**147.85E**	**533–35**	**3.0,2.8b**		
								¶12071063

IDC Error ellipse: s-maj=27.8km s-min=20.6km az=123.0.

ISC	**XI**	**17 17 04 36.3–.72**	**48.1N–.10**	**146.4E–.30**	**491–10**	**3.1b**	**22**	**3-81**
ISCJB	XI	17 17 04 35.3–.74	48.1N–.10	146.4E–.30	492–10	3.1b		**¶12073879**
IDC	XI	17 17 04 36.0–1.5	48.16N	146.36E	486–19	3.0,2.8		
NEIC	XI	17 17 04 36.2–.62	48.14N	146.37E	492–8	3.3b,2.8		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.2km s-min=13.7km az=40.2.
IDC Error ellipse: s-maj=29.9km s-min=13.3km az=125.0.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=10.1km az=131.0.

ISC	**XI**	**24 09 03 00.0–.06**	**54.22N–.01**	**154.29E–.02**	**505**	**6.5b**	**2432**	**2-162**
BGS	XI	24 09 02 51.4–1.4	53.47N	157.72E	490–0	6.2b		**¶13401002**
KRSC	XI	24 09 02 53.7–.80	53.83N	155.26E	567–56	6.3L		
IDC	XI	24 09 02 56.0–.44	54.21N	154.38E	456–4	5.7b,5.7		
SZGRF	XI	24 09 02 56.7	53.20N	154.03E	531	6.7b,5.7		
MOS	XI	24 09 02 58.2–1.0	54.11N	154.53E	508	6.5b,6.2s		
NEIC	XI	24 09 02 58.8–.26	54.20N	154.32E	492–3	7.3W,7.3W		
ISCJB	XI	24 09 02 58.7–.06	54.20N–.01	154.36E–.02	503	6.5b,7.3W		
BJI	XI	24 09 02 58.0	54.03N	154.54E	509	7.1b,6.6b		
TEH	XI	24 09 02 58.0	54.18N	154.31E	488	7.1b,6.6b		
DJA	XI	24 09 03 04	54.20N	154.31E	562	6.8W,6.6b		
GCMT	XI	24 09 03 09.5–.10	54.27N	154.71E	502–1	7.3W,6.6b		

ISC Event type fe.
BGS Error ellipse: s-maj=159.4km s-min=416.8km az=-1.0.
KRSC Event type se.
IDC Error ellipse: s-maj=5.5km s-min=4.2km az=127.0.
SZGRF Sea of Okhotsk.
MOS Event type fe. Error ellipse: s-maj=7.5km s-min=5.3km az=78.7. Fault plane solution: P-wave C81, D897 . Felt (IV) at Petropavlovsk-Kamchatskiy, Magadan; (II-III) at Severo-Kuril'sk. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s242.00000° ,δ7.00000°,λ-61.00000°. NP2:ϕ_s33.00000°,δ84.00000°,λ-94.00000°. Principal axes: T Plg38.0000°,Azm126.0000°; N Plg4.0000°,Azm34.0000°; P Plg51.0000°,Azm299.0000°
NEIC Event type fe. Error ellipse: s-maj=2.6km s-min=1.8km az=160.0. Felt at Petropavlovsk-Kamchatskiy. Recorded [1 JMA] in eastern and southwestern Hokkaido. Also recorded [1 JMA] in Aomori, Iwate and Miyagi, Honshu. Complex earthquake observed on broadband displacement seismograms. A small event is followed by at least two larger events about 6 and 10 seconds later. Focal mechanism and depth from synthetics of broadband displacement seismograms based on first event. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s35.00000°,δ80.00000°,λ-105.00000°. NP2:ϕ_s272.00000°,δ18.00000°,λ-34.00000°. Principal axes: T Plg33.0000°,Azm138.0000°; N Plg0.0000°,Azm0.0000°; P Plg53.0000° ,Azm287.0000° Moment Tensor Solution. s174 Moment tensor: Scale 10^{20}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s271.00000° ,δ17.00000°,λ-34.00000°. NP2:ϕ_s34.00000°,δ81.00000°,λ-104.00000°. Principal axes: T 1.0200,Plg34.0000°,Azm135.0000°; N 0.1100,Plg13.0000°,Azm36.0000° ; P -1.1300,Plg52.0000°,Azm287.0000° $M_0$1.10000×10^{20} Moment Tensor Solution. $M_0$8.00000×10^{19}
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.2km az=168.3.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle wave period 150 sec. Mantle waves from 120 sta. Moment Tensor Solution. s122,c344; s99,c295; Moment tensor: Scale 10^{20}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s276.00000°,δ19.00000°,λ-29.00000°. NP2:ϕ_s34.00000° ,δ81.00000°,λ-106.00000°. Principal axes: T 1.0400,Plg34.0000°,Azm138.0000° ; N 0.1600,Plg16.0000°,Azm36.0000°; P -1.1900,Plg51.0000°,Azm285.0000° $M_0$1.10000×10^{20}

ISC	**XI**	**24 11 01 45.0–.26**	**54.01N–.06**	**154.13E–.09**	**488–4**	**3.9b**	**155**	**2-86**
KRSC	XI	24 11 01 39.4–1.7	53.68N	154.98E	565–44	4.7L		**¶13401008**
ISCJB	XI	24 11 01 44.3–.26	53.99N–.06	154.19E–.09	493–4	3.9b		
MOS	XI	24 11 01 44.1–1.1	54.03N	154.25E	499	4.6b		
IDC	XI	24 11 01 45.4–.59	54.04N	154.10E	488–7	3.6,3.4b		
NEIC	XI	24 11 01 45.2–.33	54.05N	154.12E	486–4	4.5b,3.4b		

ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.9km az=147.3.
MOS Error ellipse: s-maj=13.8km s-min=8.7km az=101.8.
IDC Error ellipse: s-maj=13.7km s-min=9.0km az=176.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.8km az=181.0.

ISC	**XI**	**24 15 30 37.7–.38**	**53.67N–.08**	**154.2E–.10**	**454–5**	**3.6b**	**88**	**2-79**
KRSC	XI	24 15 30 31.5–.70	53.41N	154.66E	528–27	4.7L		**¶12074694**
ISCJB	XI	24 15 30 36.7–.38	53.69N–.08	154.2E–.10	456–5	3.6b		
MOS	XI	24 15 30 36.9–1.2	53.62N	154.26E	468	4.5b		
IDC	XI	24 15 30 37.4–1.2	53.63N	154.06E	454–15	3.4,3.2		
NEIC	XI	24 15 30 37.7–.41	53.65N	154.10E	457–6	4.1b,3.2		

ISC Event type se.
KRSC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=8.0km az=146.3.
MOS Error ellipse: s-maj=18.3km s-min=12.1km az=58.8.
IDC Error ellipse: s-maj=17.2km s-min=10.4km az=151.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.0km az=153.0.

ISC	**XII**	**04 16 41 12.1–.86**	**48.1N–.10**	**146.2E–.20**	**479–12**	**3.3b**	**45**	**3-81**
ISCJB	XII	04 16 41 11.1–.88	48.2N–.10	146.3E–.20	479–12	3.3b		**¶12075758**
IDC	XII	04 16 41 11.5–1.9	48.15N	146.37E	469–26	3.0,2.8b		
NEIC	XII	04 16 41 12.1–.64	48.14N	146.18E	482–9	3.8b,2.8b		
MOS	XII	04 16 41 12.8–1.9	48.07N	145.99E	502	3.8b,2.8b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=13.6km az=140.2.
IDC Error ellipse: s-maj=20.8km s-min=17.0km az=161.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=11.0km az=140.0.
MOS Error ellipse: s-maj=24.1km s-min=12.1km az=66.7.

ISC	**XII**	**04 22 50 04.6–.21**	**53.12N–.04**	**152.70E–.03**	**546–2**	**4.2b**	**620**	**3-148**
KRSC	XII	04 22 50 00.1–1.5	52.73N	153.26E	593–23	4.9L		**¶13401951**
MOS	XII	04 22 50 03.5–.79	53.11N	152.74E	553	4.2b		
ISCJB	XII	04 22 50 03.6–.21	53.13N–.04	152.72E–.04	550–2	4.2b		
BJI	XII	04 22 50 03.8	53.02N	152.86E	568	4.9b,4.9b		
NEIC	XII	04 22 50 04.5–.34	53.05N	152.76E	554–4	4.3b,4.9b		
IDC	XII	04 22 50 06.0–.60	53.08N	152.77E	572–7	3.8,3.8		

ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=7.2km az=77.1.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.0km az=166.1.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=2.9km az=158.0.
IDC Error ellipse: s-maj=8.6km s-min=6.1km az=144.0.

ISC	**XII**	**07 15 31 23.9–.20**	**51.49N–.02**	**151.75E–.03**	**442–2**	**4.8b**	**939**	**3-158**
SZGRF	XII	07 15 30 30.1	50.52N	153.47E	33	5.5b		**¶13402154**
DJA	XII	07 15 31 20	51.62N	152.13E	428	5.1b		
KRSC	XII	07 15 31 20.2–.00	50.91N	152.64E	496–16	5.4L		
MOS	XII	07 15 31 22.9–.80	51.48N	151.82E	447	5.1b		
ISCJB	XII	07 15 31 23.0–.20	51.48N–.02	151.80E–.03	447–2	4.8b		
SKHL	XII	07 15 31 22.2–2.0	51.29N	152.15E	476–20	6.3b,6.1s		
BJI	XII	07 15 31 22.9	51.37N	151.86E	456	4.9b,4.7b		
NEIC	XII	07 15 31 23.8–.10	51.48N	151.76E	443	4.8b,4.7b		
BGS	XII	07 15 31 23.2–1.5	51.56N	152.49E	443–0	4.8b,4.7b		
IDC	XII	07 15 31 24.4–.46	51.49N	151.79E	451–4	4.5b,4.5		

ISC Event type se.
SZGRF Kuril Islands, Russia.
KRSC Event type se.
MOS Error ellipse: s-maj=6.5km s-min=3.9km az=96.7.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=154.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.0km az=161.0.
BGS Error ellipse: s-maj=293.1km s-min=787.5km az=-1.0.
IDC Error ellipse: s-maj=7.0km s-min=5.6km az=143.0.

KRSC	**XII**	**24 06 26 26.4–1.6**	**54.31N**	**154.58E**	**551–111**	**4.3L**		
								¶12835582

KRSC Event type se.

(664) Southeastern China.

BJI	**VII**	**06 10 43 12.5**	**32.28N**	**119.11E**	**19**	**3.7L**		
								¶11479875
ISC	**VII**	**21 05 52 24.3–1.4**	**25.8N–.20**	**105.27E–.10**	**10**	**3.7b**	**11**	**1-63**
ISCJB	VII	21 05 52 22.5–1.3	25.8N–.20	105.23E–.09	10	3.7b		**¶11480070**
IDC	VII	21 05 52 24.1–5.5	25.83N	105.09E	0	3.9,3.8b		
BJI	VII	21 05 52 26.0	25.99N	105.20E	9	4.6b,3.4s		

ISCJB Error ellipse: s-maj=27.9km s-min=5.2km az=157.6.
IDC Error ellipse: s-maj=103.8km s-min=38.9km az=179.0.

ISC	**VIII**	**12 11 21 27.6–1.1**	**25.92N–.05**	**105.25E–.04**	**4–7**	**3.7b**	**15**	**1-62**
BJI	VIII	12 11 21 28.4	25.95N	105.08E	15	4.8b,4.3b		**¶11652897**
IDC	VIII	12 11 21 28.1–1.5	26.03N	105.30E	0	3.8,3.8		

IDC Error ellipse: s-maj=40.1km s-min=25.4km az=55.0.

ISC	**VIII**	**13 01 53 54.8–1.1**	**26.04N–.06**	**105.25E–.05**	**3–7**	**3.8b**	**20**	**1-62**
BJI	VIII	13 01 53 54.3	25.99N	105.14E	17	3.6L		**¶11652906**
IDC	VIII	13 01 53 55.9–1.3	26.27N	105.23E	0	3.8,3.8		
NEIC	VIII	13 01 53 57.4–1.0	26.31N	105.31E	10	3.9b,3.8		

ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=22.5km az=55.0.
NEIC Event type se. Error ellipse: s-maj=35.9km s-min=18.1km az=59.0.

BJI	**VIII**	**26 07 38 53.9**	**35.76N**	**115.38E**	**14**	**4.2b,4.0L**		
								¶11653096
ISC	**IX**	**01 10 27 44.5–1.0**	**25.80N–.09**	**105.22E–.06**	**10**	**3.5b**	**12**	**1-32**
IDC	IX	01 10 27 40.8–6.3	25.99N	106.59E	0	3.6,3.5b		**¶11909214**
ISCJB	IX	01 10 27 42.6–.99	25.83N–.08	105.19E–.05	10	3.5b,3.5b		
BJI	IX	01 10 27 47.9	25.93N	105.07E	11	3.5L,3.5b		

IDC Error ellipse: s-maj=135.0km s-min=35.4km az=113.0.
ISCJB Error ellipse: s-maj=13.1km s-min=5.3km az=157.1.

BJI	**IX**	**08 04 56 02.0**	**25.42N**	**107.15E**	**17**	**3.5L**		
PLV	IX	08 04 56 46.0–1.2	24.23N	107.24E	1–8	3.9		**¶12608707**

PLV Error ellipse: s-maj=7.0km s-min=9.6km az=-1.0.
ISC IX 26 21 55 17.9–1.1 30.88N–.03 110.85E–.03 2–7 4.2b 55 1-80
ISCJB IX 26 21 55 16.9–1.4 30.91N–.04 110.88E–.04 7–9 4.2b **¶11911124**
IDC IX 26 21 55 17.7–.65 31.04N 111.02E 0 4.2,4.1b
BJI IX 26 21 55 17.6 30.86N 110.84E 11 4.3b,4.0s
NEIC IX 26 21 55 19.0–.40 30.92N 110.88E 10 4.1b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=5.3km az=5.0.
IDC Error ellipse: s-maj=24.7km s-min=14.8km az=61.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.4km az=149.0.
ISC X 03 20 11 44.6–.38 26.04N–.04 105.30E–.04 10 4.0b 56 1-145
ISCJB X 03 20 11 42.5–.38 26.08N–.04 105.28E–.04 10 4.0b **¶12065811**
IDC X 03 20 11 42.6–.72 26.07N 105.26E 0 4.0,4.0
BJI X 03 20 11 42.5 26.00N 105.35E 10 4.7b,4.0s
NEIC X 03 20 11 48.0–.82 26.09N 105.28E 38–8 4.3b,4.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.5km az=156.9.
IDC Error ellipse: s-maj=19.6km s-min=16.1km az=65.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.0km az=113.0.
BJI XI 18 11 32 32.3 25.19N 106.79E 11 3.6L
¶12790002
ISC XI 20 17 04 17.8–1.7 31.09N–.06 110.1E–.10 13–11 3.7b 19 1-59
ISCJB XI 20 17 04 15.5–2.0 31.17N–.08 110.3E–.10 14–13 3.7b **¶12074287**
IDC XI 20 17 04 15.1–1.3 31.37N 110.78E 0 3.9L,3.8
NEIC XI 20 17 04 17.3–.64 31.05N 110.26E 10 4.1b,3.8
BJI XI 20 17 04 19.9 31.27N 110.16E 6 3.2L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=9.8km az=152.8.
IDC Error ellipse: s-maj=63.7km s-min=21.2km az=58.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=9.6km az=90.0.
ISC XI 22 08 01 17.6–.95 30.98N–.03 110.82E–.02 10–6 4.5b,3.6s 201 1-148
BJI XI 22 08 01 15.7 31.02N 110.77E 9 4.9b,4.6b **¶11473195**
ISCJB XI 22 08 01 17.9–.82 30.99N–.03 110.81E–.03 26–6 4.5b,3.6s
MOS XI 22 08 01 19.0–.98 31.01N 110.80E 33 4.7b,3.6s
NEIC XI 22 08 01 20.4–1.9 31.03N 110.82E 30–14 4.5b,3.6s
IDC XI 22 08 01 20.4–5.8 31.00N 110.83E 33–45 4.2,4.1
DJA XI 22 08 01 22 31.14N 110.59E 10 5.0b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=4.4km az=153.5.
MOS Error ellipse: s-maj=9.0km s-min=5.8km az=116.8.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.8km az=59.0.
IDC Error ellipse: s-maj=18.6km s-min=12.3km az=45.0.
BJI XI 22 17 04 23.9 32.00N 115.04E 7 3.4L
¶12790031
ISC XII 18 13 44 46.2–.85 32.8N–.10 111.8E–.10 10 3.6b 13 3-65
ISCJB XII 18 13 44 43.7–.88 32.8N–.10 111.7E–.10 10 3.6b **¶12078060**
IDC XII 18 13 44 44.2–1.0 32.80N 112.09E 0 3.9,3.7L
BJI XII 18 13 44 44.3 32.55N 111.87E 13 3.8L,3.7s
ISCJB Error ellipse: s-maj=20.4km s-min=7.1km az=33.5.
IDC Error ellipse: s-maj=37.7km s-min=20.9km az=67.0.
IDC XII 25 19 15 26.9–1.3 25.41N 104.01E 0 3.4,3.3b
¶12078956
IDC Error ellipse: s-maj=45.2km s-min=21.6km az=73.0.
ISC XII 26 12 05 45.5–.99 25.54N–.03 106.81E–.04 7–5 4.2b 83 1-86
ISCJB XII 26 12 05 43.6–.93 25.52N–.03 106.79E–.04 8–5 4.2b **¶11527820**
BJI XII 26 12 05 44.2 25.61N 106.89E 9 4.8b,4.4b
NEIC XII 26 12 05 49.5–.31 25.55N 106.77E 35 4.5b,4.4b
IDC XII 26 12 05 49.4–5.8 25.59N 106.79E 34–47 4.0,3.9b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=6.4km s-min=4.9km az=40.5.
NEIC Event type fe. Error ellipse: s-maj=6.4km s-min=4.9km az=163.0. Felt at Anshun.
IDC Error ellipse: s-maj=21.1km s-min=15.6km az=58.0.

SEISMIC REGION 42.
Northeastern Asia, Northern Alaska to Greenland.

(671) Eastern Siberia.

IDC IX 18 05 40 03.9–1.1 61.00N 166.74E 0 4.0,3.7b
¶11910534
IDC Error ellipse: s-maj=36.9km s-min=27.0km az=129.0.
ISC X 04 18 17 31.0–.14 60.60N–.02 142.69E–.04 10 4.9b,4.4s 532 1-163
MOS X 04 18 17 28.6–.89 60.59N 142.78E 10 5.1b,4.6s **¶13395985**
IDC X 04 18 17 28.6–.42 60.51N 142.76E 0 4.7,4.6
BJI X 04 18 17 29.6 60.63N 142.49E 7 5.2s,4.9b
ISCJB X 04 18 17 29.1–.14 60.63N–.03 142.70E–.04 10 4.9b,4.4s
NERS X 04 18 17 31.8 60.53N 142.98E 27 4.9b,4.4s
NEIC X 04 18 17 32.7–2.0 60.58N 142.70E 24–15 5.0b,4.6s
GCMT X 04 18 17 33.5–.30 60.60N 142.57E 24–1 4.9W,4.6s
DJA X 04 18 17 34 60.81N 141.78E 10 5.2b,4.6s
ISC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=4.5km az=100.3.
IDC Error ellipse: s-maj=12.4km s-min=10.2km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.4km az=164.5.
NERS Event type se.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.2km az=165.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s30,c41; s68,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}0.50±.13 $M_{\theta\theta}$0.06±.10; $M_{\phi\phi}$-0.56±.10; $M_{r\theta}$0.65±.15; $M_{\theta\phi}$2.55±.08; $M_{\phi r}$0.22±.14; Best double couple: NP1:ϕ_e2.00000°,δ74.00000°,λ171.00000°. NP2:ϕ_e95.00000°,δ81.00000°,λ16.00000°. Principal axes: T 2.5200,Plg18.0000° ,Azm319.0000°; N 0.3200,Plg72.0000°,Azm123.0000°; P -2.8400,Plg5.0000°,Azm228.0000° M_o2.70000×10^{16}
IDC X 20 03 27 21.1–1.2 61.28N 167.81E 0 3.9,3.6b
¶12069102
IDC Error ellipse: s-maj=41.6km s-min=20.5km az=174.0.
ISC XI 04 21 28 16.8–.61 61.41N–.03 147.59E–.07 10 3.7b 35 0-53
ISCJB XI 04 21 28 18.0–.61 61.45N–.03 147.99E–.07 10 3.7b **¶12072301**
NERS XI 04 21 28 17.2 61.40N 147.56E 8 3.7b
IDC XI 04 21 28 19.1–1.6 61.51N 148.21E 0 3.9,3.7b
MOS XI 04 21 28 24.6–1.1 62.09N 147.98E 31 4.0b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=4.2km az=138.4.
NERS Event type se.
IDC Error ellipse: s-maj=41.2km s-min=25.1km az=8.0.
MOS Error ellipse: s-maj=44.6km s-min=22.3km az=103.8.
ISC XI 15 19 11 25.0–.18 60.84N–.03 165.75E–.04 10 4.5b,3.5s 242 3-151
BJI XI 15 19 11 21.5 60.86N 166.12E 16 4.9b,4.7b **¶13400276**
ISCJB XI 15 19 11 23.0–.18 60.84N–.03 165.72E–.04 10 4.5b,3.5s
IDC XI 15 19 11 23.2–.41 60.81N 165.64E 0 4.4,4.4
MOS XI 15 19 11 23.7–1.2 60.83N 165.80E 18 4.6b,4.4
KRSC XI 15 19 11 23.3–1.9 60.89N 165.98E 16–15 4.4L,4.4
NERS XI 15 19 11 23.7 60.97N 165.53E 0 4.4L,4.4
NEIC XI 15 19 11 25.3–2.4 60.76N 165.67E 16–15 4.5b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=2.9km az=163.3.
IDC Error ellipse: s-maj=12.1km s-min=10.0km az=24.0.
MOS Error ellipse: s-maj=12.4km s-min=6.1km az=95.5.
KRSC Event type se.
NERS Event type se.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.3km az=169.0.
ISC XI 25 15 15 24.2–.33 60.80N–.04 165.80E–.05 10 4.1b 88 3-151
MOS XI 25 15 15 21.2–1.0 60.76N 165.97E 11 4.4b **¶12074787**
KRSC XI 25 15 15 21.1–1.2 60.68N 166.74E 169–171 4.4L
IDC XI 25 15 15 22.2–.57 60.76N 165.66E 0 4.2,4.0
ISCJB XI 25 15 15 22.3–.33 60.78N–.04 165.77E–.06 10 4.1b,4.0
NERS XI 25 15 15 24.4 60.87N 165.68E 14 4.1b,4.0
NEIC XI 25 15 15 25.6–3.2 60.66N 165.70E 24–24 4.3b,4.0
ISC Event type se.
MOS Error ellipse: s-maj=20.8km s-min=8.6km az=88.4.
KRSC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=13.7km az=17.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.3km az=177.7.
NERS Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.4km az=170.0.
ISC XI 29 17 36 49.7–.46 61.49N–.03 156.11E–.06 10 3.8b 46 1-87
ISCJB XI 29 17 36 47.5–.45 61.45N–.03 156.08E–.06 10 3.8b **¶12075272**
IDC XI 29 17 36 47.8–1.7 61.48N 156.04E 0 4.0,3.7b
MOS XI 29 17 36 47.8–.91 61.43N 156.48E 10 4.0b,3.7b
NERS XI 29 17 36 48.1 61.44N 156.35E 9 4.0b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=3.9km az=5.7.
IDC Error ellipse: s-maj=60.9km s-min=22.0km az=124.0.
MOS Error ellipse: s-maj=29.9km s-min=18.0km az=106.4.
NERS Event type se.
IDC XII 13 13 54 41.3–2.1 61.12N 166.76E 0 4.0,3.7
¶12077304
IDC Error ellipse: s-maj=162.5km s-min=24.1km az=138.0.
ISC XII 23 10 21 47.2–.82 60.79N–.03 166.67E–.05 10–5 4.2b 144 0-88
ISCJB XII 23 10 21 45.3–.86 60.85N–.03 166.58E–.05 9–5 4.2b **¶13403741**
MOS XII 23 10 21 45.3–.91 60.79N 166.65E 13 4.4b
KRSC XII 23 10 21 46.3–1.3 60.81N 166.52E 19–20 4.5L
NEIC XII 23 10 21 48.4–.29 60.75N 166.64E 20 4.5b
BJI XII 23 10 21 48.1 60.90N 166.60E 33 4.9b,4.4s
IDC XII 23 10 21 48.4–.65 60.77N 166.61E 20–4 4.2,4.2
NERS XII 23 10 21 51.4 61.20N 166.63E 33 4.6,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=4.3km az=175.1.
MOS Error ellipse: s-maj=14.2km s-min=7.6km az=87.5.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.2km az=172.0.
IDC Error ellipse: s-maj=12.4km s-min=10.9km az=18.0.
NERS Event type se.
KRSC XII 26 21 57 13.9–1.4 61.34N 167.85E 19–21 4.8L
¶12835584
KRSC Event type se.

(675) Beaufort Sea.

ISC VII 05 22 47 23.7–2.9 71.45N–.05 133.8W–.10 15–20 3.9b 68 3-64
IDC VII 05 22 47 23.4–.95 71.69N 134.08W 0 4.1L,4.0 **¶11810743**
PGC VII 05 22 47 25.8–1.8 71.56N 134.09W 35 3.7L,4.0
NEIC VII 05 22 47 25.8 71.56N 134.09W 35 3.8L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=16.6km az=60.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=-1.0. 311km west of Sachs Harbour, Nt Beaufort Sea.
NEIC Event type se. After PGC.

(676) Northern Alaska.

ISC VII 04 13 02 44.2–.43 66.14N–.04 142.57W–.08 10 3.0b 64 1-44
ISCJB VII 04 13 02 42.3–.44 66.12N–.04 142.42W–.08 10 3.0b **¶11810610**
NEIC VII 04 13 02 43.9 66.07N 142.85W 5 3.7L
IDC VII 04 13 02 47.6–3.0 66.19N 142.36W 0 3.8,3.6L
PGC VII 04 13 02 50.8–.98 65.90N 140.92W 1 3.8L,3.6L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.8km s-min=4.7km az=160.5.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=44.0km s-min=21.1km az=129.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0. 216km northwest of Dawson, Yt Northern Yukon Territory, Canada.
NEIC VII 05 22 27 30.2 65.77N 141.16W 10 2.9L
PGC VII 05 22 27 29.8–14 65.80N 140.74W 1 3.2L **¶12951035**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. 203km northwest of Dawson, Yt Northern Yukon Territory, Canada.
NEIC VII 19 07 49 06.0 66.08N 142.82W 5 2.8L
PGC VII 19 07 49 08.6–12 66.00N 142.63W 20 2.8L **¶12951477**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. 263km Wnw of Dawson, Yt Alaska.
ISC VII 30 14 55 55.0–.44 66.11N–.03 142.65W–.08 10 36 1-52
ISCJB VII 30 14 55 53.2–.45 66.12N–.04 142.61W–.08 10 **¶11812932**
IDC VII 30 14 55 54.1–.97 66.10N 142.72W 0 3.9,3.8
NEIC VII 30 14 55 57.4 66.07N 142.86W 36 4.2L,3.7W
PGC VII 30 14 56 03.0–14 66.02N 141.76W 35 3.7L,3.7W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.2km s-min=4.7km az=31.2.
IDC Error ellipse: s-maj=15.3km s-min=8.3km az=160.0.
NEIC Event type se. After AEIC. Moment Tensor Solution. M_o4.00000×10^{14}
PGC Event type ke. 244km northwest of Dawson, Yt Alaska.
ISC X 10 05 46 38.7–1.0 67.25N–.08 157.5W–.10 10 3.5b 26 2-36
ISCJB X 10 05 46 36.5–1.0 67.28N–.08 157.6W–.20 10 3.5b **¶11344587**
NEIC X 10 05 46 37.5 67.29N 157.61W 16 3.1L
IDC X 10 05 46 39.4–3.3 67.41N 157.15W 0 3.9,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=7.9km az=156.2.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=61.7km s-min=34.6km az=28.0.
NEIC X 10 08 03 10.0 66.12N 149.18W 12 3.7L,3.2L
¶11344592
NEIC Event type se. After AEIC.
ISC X 11 16 52 37.4–1.7 68.20N–.05 162.19W–.09 21–13 4.5b,3.8s 174 3-171
BJI X 11 16 52 28.3 67.50N 161.31W 10 5.0b,4.8b **¶11345023**
ISCJB X 11 16 52 33.6–1.5 68.17N–.04 162.17W–.09 10–10 4.5b,3.8s
IDC X 11 16 52 34.3–.57 68.16N 162.40W 0 4.5,4.4
NEIC X 11 16 52 35.0 68.05N 161.66W 4 4.7b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.4km az=28.7.
IDC Error ellipse: s-maj=16.2km s-min=11.4km az=11.0.
NEIC Event type se. After AEIC.
NEIC X 11 21 06 03.6 65.81N 145.08W 13 3.0L
PGC X 11 21 06 08.2–84 65.71N 144.04W 10 3.1L **¶11360683**
NEIC Event type se. After AEIC.
PGC Event type ke. 196km Ene of Fairbanks, Ak Alaska.
ISC X 13 17 41 46.8–.36 68.11N–.07 162.1W–.10 10 4.7s,4.1b 53 3-76
ISCJB X 13 17 41 44.7–.37 68.13N–.07 162.0W–.10 10 4.7s,4.1b **¶12068564**
IDC X 13 17 41 46.0–.74 68.21N 162.38W 0 4.2s,4.2
NEIC X 13 17 41 47.0 68.11N 161.50W 12 3.8L,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=5.3km az=28.0.
IDC Error ellipse: s-maj=25.1km s-min=12.3km az=18.0.
NEIC Event type se. After AEIC.
ISC X 13 20 18 46.6–.33 68.17N–.06 162.18W–.10 10 4.0b,2.9s 66 3-76
ISCJB X 13 20 18 44.4–.34 68.17N–.06 162.07W–.10 10 4.0b,2.9s **¶12068575**
IDC X 13 20 18 45.5–.68 68.23N 162.38W 0 4.3L,4.2
NEIC X 13 20 18 46.5–.29 68.17N 162.18W 10 4.6b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.4km az=23.9.
IDC Error ellipse: s-maj=23.6km s-min=11.8km az=18.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.0km az=209.0.
NEIC X 18 15 20 53.4 65.52N 142.98W 7 2.7L
PGC X 18 15 20 56.5–.21 65.41N 143.03W 15 3.0L **¶11395976**
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0. 227km Wnw of Dawson, Yt Alaska.
NEIC X 27 13 21 31.6 66.40N 157.72W 20 3.6L
¶13398244
NEIC Event type se. After AEIC.
NEIC X 27 13 29 25.6 66.45N 157.66W 23 3.5L
¶13398247
NEIC Event type se. After AEIC.
ISC X 28 14 30 16.2–.14 66.36N–.03 157.41W–.05 10 4.7b,4.3s 451 2-146
BJI X 28 14 30 12.9 65.95N 157.56W 18 5.1s,5.1b **¶11374816**
ISCJB X 28 14 30 14.0–.14 66.32N–.03 157.57W–.05 10 4.7b,4.3s

NEIC X 28 14 30 13.6 66.41N 157.73W 15 4.9b,4.8L
IDC X 28 14 30 14.4–.60 66.37N 157.65W 0 4.5,4.5
GCMT X 28 14 30 16.3–.30 66.46N 157.57W 16–1 4.9W,4.5
MOS X 28 14 30 16.2–1.4 66.38N 157.20W 25 5.0b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.1km az=29.5.
NEIC Event type se. After AEIC. Moment Tensor Solution. $M_0$1.20000×10^{16}
IDC Error ellipse: s-maj=19.1km s-min=9.2km az=22.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s19,c22; s76,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.14±.12 $M_{\theta\theta}$1.47±.11; $M_{\phi\phi}$-0.34±.09; $M_{r\theta}$-0.38±.24; $M_{\theta\phi}$-2.22±.07; $M_{\phi r}$0.52±.26; Best double couple: NP1:ϕ_s259.00000°,δ72.00000°,λ-173.00000°. NP2:ϕ_s167.00000°,δ84.00000°,λ-18.00000°. Principal axes: T 3.0500,Plg8.0000° ,Azm214.0000°; N -1.1600,Plg71.0000°,Azm329.0000°; P -1.9000,Plg17.0000° ,Azm122.0000° $M_0$2.50000×10^{16}
MOS Error ellipse: s-maj=15.6km s-min=5.9km az=105.5.
ISC X 28 14 36 52.3–.45 66.39N–.05 157.5W–.10 10 4.1b 56 2-79
ISCJB X 28 14 36 50.1–.45 66.36N–.05 157.54W–.10 10 4.1b **¶12071336**
IDC X 28 14 36 51.2–1.0 66.30N 158.00W 0 4.2,4.0b
NEIC X 28 14 36 52.2 66.37N 157.39W 10 4.5b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.1km az=29.0.
IDC Error ellipse: s-maj=48.2km s-min=12.9km az=25.0.
NEIC Event type se. After AEIC.
NEIC X 28 20 12 17.6 66.48N 158.02W 5 3.6L
¶13398426
NEIC Event type se. After AEIC.
NEIC X 30 17 44 55.1 66.41N 157.59W 8 4.0L,3.6L
¶13398662
NEIC Event type se. After AEIC.
NEIC XI 04 15 46 35.0 66.34N 157.98W 5 4.1W,4.1L
IDC XI 04 15 46 40.3–.74 66.96N 156.86W 0 4.1,3.9 **¶12072263**
NEIC Event type se. After AEIC. Moment Tensor Solution. $M_0$2.10000×10^{15}
IDC Error ellipse: s-maj=28.8km s-min=11.3km az=39.0.
ISC XI 15 14 22 39.3–.47 66.35N–.06 157.0W–.10 10 4.5b,4.4s 42 1-71
ISCJB XI 15 14 22 36.5–.50 66.34N–.06 157.3W–.10 10 4.5b,4.4s **¶11453201**
NEIC XI 15 14 22 38.0 66.43N 157.59W 10 4.5L,4.2b
BJI XI 15 14 22 38.0 66.40N 157.30W 10 4.7s,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.5km az=25.1.
NEIC Event type se. After AEIC.
ISC XI 15 14 23 33.3–.19 66.36N–.03 157.45W–.05 10 4.5b,4.4s 202 2-146
BJI XI 15 14 23 27.2 65.37N 157.86W 10 5.0b,4.8s **¶12789970**
NEIC XI 15 14 23 30.8 66.39N 157.57W 8 4.7b,4.7L
ISCJB XI 15 14 23 31.3–.19 66.32N–.03 157.51W–.06 10 4.5b,4.4s
MOS XI 15 14 23 31.9–1.3 66.36N 157.40W 14 4.8b,4.4s
IDC XI 15 14 23 32.3–.56 66.47N 157.66W 0 4.4,4.3L
ISC Event type se.
NEIC Event type se. After AEIC. Moment Tensor Solution. $M_0$1.00000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=2.7km az=25.2.
MOS Error ellipse: s-maj=16.6km s-min=7.3km az=108.6.
IDC Error ellipse: s-maj=20.9km s-min=9.3km az=20.0.
NEIC XI 15 22 31 45.1 66.44N 157.98W 10 3.7L
¶13400289
NEIC Event type se. After AEIC.
NEIC XI 16 05 47 03.0 66.50N 157.85W 19 3.6L
¶11473042
NEIC Event type se. After AEIC.
ISC XI 18 22 34 28.7–1.4 67.98N–.06 156.9W–.10 16–9 3.7b 42 3-57
IDC XI 18 22 34 28.2–.97 68.42N 156.76W 0 3.9,3.7b **¶12074061**
NEIC XI 18 22 34 29.5 67.72N 157.17W 16 3.4L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=16.4km az=50.0.
NEIC Event type se. After AEIC.
ISC XI 20 11 34 08.2–1.7 69.09N–.03 144.6W–.10 13–11 4.1b,3.6s 81 3-82
ISCJB XI 20 11 34 06.9–1.7 69.05N–.03 144.4W–.10 21–14 4.1b,3.6s **¶11473111**
IDC XI 20 11 34 07.6–.63 69.25N 144.78W 0 4.3,4.1
PGC XI 20 11 34 08.0–14 69.16N 144.78W 10 4.7W,4.6L
NEIC XI 20 11 34 09.2 69.11N 144.79W 28 4.7W,4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=7.3km s-min=4.8km az=29.1.
IDC Error ellipse: s-maj=15.7km s-min=10.6km az=54.0.
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=-1.0. 183km Ese of Prudhoe Bay, Ak Alaska.
NEIC Event type se. After AEIC. Moment Tensor Solution. Moment Tensor Solution. $M_0$1.50000×10^{15}
ISC XI 22 01 04 49.1–.63 66.46N–.05 157.2W–.10 10 3.6b 47 1-58
ISCJB XI 22 01 04 46.9–.63 66.43N–.05 157.3W–.10 10 3.6b **¶12074462**
NEIC XI 22 01 04 48.4 66.35N 157.36W 10 3.5L
IDC XI 22 01 04 49.5–1.0 66.71N 157.46W 0 3.7,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=6.2km az=33.5.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=27.9km s-min=14.4km az=32.0.
ISC XI 29 13 50 21.6–.62 67.12N–.05 142.4W–.10 10 25 1-11
ISCJB XI 29 13 50 20.1–.63 67.10N–.05 142.3W–.10 10 **¶12075259**
NEIC XI 29 13 50 23.7 67.11N 142.45W 40 2.6L
PGC XI 29 13 50 27.5–1.9 66.79N 140.79W 1 2.9L
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.2km s-min=5.7km az=154.4.
NEIC Event type se. After AEIC.
PGC Event type ke. Error ellipse: s-maj=6.7km s-min=5.7km az=-1.0. 284km west of Fort McPherson, Nt Northern Yukon Territory, Canada.
ISC XI 30 14 31 36.7–.42 65.45N–.06 162.22W–.07 10 3.5b 49 2-64
ISCJB XI 30 14 31 35.1–.49 65.44N–.06 162.09W–.08 10 3.5b **¶11482987**
NEIC XI 30 14 31 36.1 65.42N 162.01W 8 3.7L
IDC XI 30 14 31 38.0–1.2 65.57N 162.34W 0 3.9,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=5.0km az=2.2.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=24.8km s-min=13.8km az=20.0.
NEIC XII 08 07 52 09.2 66.45N 157.87W 15 3.5L
¶13836980
NEIC Event type se. After AEIC.
NEIC XII 08 18 09 20.5 66.37N 157.70W 13 3.5L
¶13836984
NEIC Event type se. After AEIC.
ISC XII 30 13 54 42.7–.39 66.42N–.04 157.64W–.08 10 4.8b,4.0s 48 2-71
BJI XII 30 13 54 39.0 66.40N 157.50W 7 4.7b,4.6b **¶11524527**
ISCJB XII 30 13 54 40.8–.39 66.44N–.04 157.63W–.08 10 4.8b,4.0s
NEIC XII 30 13 54 41.6 66.42N 157.50W 5 4.3L,4.2L
IDC XII 30 13 54 55.2–.86 65.73N 158.53W 0 3.7,3.6L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.3km az=23.4.
NEIC Event type se. After AEIC.
IDC Error ellipse: s-maj=27.9km s-min=12.4km az=30.0.
IDC XII 30 13 55 11.0–.82 65.60N 158.54W 0 4.0,3.9
¶12079558
IDC Error ellipse: s-maj=25.0km s-min=10.3km az=21.0.

(677) Northern Yukon Territory.

ISC IX 23 21 03 26.4–.52 65.42N–.03 134.92W–.09 10 47 2-53
ISCJB IX 23 21 03 24.2–.53 65.41N–.03 134.82W–.09 10 **¶11343912**
IDC IX 23 21 03 26.1–.86 65.55N 135.14W 0 3.8b,3.8
PGC IX 23 21 03 27.1–.05 65.49N 135.08W 10 3.4L,3.8
NEIC IX 23 21 03 27.1 65.49N 135.08W 10 3.4L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=6.0km s-min=4.6km az=28.8.
IDC Error ellipse: s-maj=11.1km s-min=10.9km az=92.0.
PGC Event type ke. 219km Ssw of Fort McPherson, Nt Northern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC X 08 12 29 04.2–.10 65.45N 134.17W 5 3.0L
NEIC X 08 12 29 04.2 65.45N 134.17W 5 3.0L **¶11395952**
PGC Event type ke. 221km south of Fort McPherson, Nt Northern Yukon Territory, Canada.
NEIC Event type se. After PGC.
ISC X 11 03 21 01.9–.12 65.52N–.02 134.33W–.04 10 4.5b,4.1s 353 3-95
LDG X 11 03 20 58.9–.28 65.53N 134.53W 10–0 4.8b,4.1s **¶13396620**
BJI X 11 03 20 58.8 65.60N 134.30W 10 5.1b,4.9s
ISCJB X 11 03 20 59.9–.12 65.55N–.02 134.41W–.04 10 4.5b,4.1s
IDC X 11 03 21 00.4–.42 65.52N 134.24W 0 4.6L,4.4
NEIC X 11 03 21 01.8 65.45N 134.26W 5 4.6b,4.3W
PGC X 11 03 21 01.8–.03 65.45N 134.26W 5 5.0L,4.3W
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=13.0km s-min=4.7km az=21.0.
ISCJB Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=38.4.
IDC Error ellipse: s-maj=10.6km s-min=8.2km az=43.0.
NEIC Event type se. After PGC. Moment Tensor Solution. $M_0$3.10000×10^{15}
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 222km south of Fort McPherson, Nt Northern Yukon Territory, Canada.
NEIC X 11 11 00 52.8 65.39N 134.18W 1 4.0L
PGC X 11 11 00 52.8–.05 65.39N 134.18W 1 4.0L **¶11346021**
NEIC Event type se. After PGC.
PGC Event type ke. 228km south of Fort McPherson, Nt Northern Yukon Territory, Canada.
PGC X 13 08 46 59.2–5.3 66.02N 134.75W 10 3.1L
NEIC X 13 08 46 59.2 66.02N 134.75W 10 3.1L **¶11395967**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. 158km Ssw of Fort McPherson, Nt Northern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC X 18 13 15 10.5–.03 65.34N 134.05W 1 3.0L
NEIC X 18 13 15 10.5 65.34N 134.05W 1 3.0L **¶11395975**
PGC Event type ke. 234km south of Fort McPherson, Nt Northern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC X 18 22 40 44.5–.03 66.72N 135.73W 10 3.0L
NEIC X 18 22 40 44.5 66.72N 135.73W 10 3.0L **¶11395978**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. 97km Wsw of Fort McPherson, Nt Northern Yukon Territory, Canada.
NEIC Event type se. After PGC.
NEIC XI 02 04 44 57.6 66.12N 135.20W 5 3.7L,3.5L
PGC XI 02 04 44 57.6–.03 66.12N 135.20W 5 3.7L,3.5L **¶12071949**
NEIC Event type se. After PGC.
PGC Event type ke. 150km Ssw of Fort McPherson, Nt Northern Yukon Territory, Canada.
PGC XI 10 17 08 53.7–45 65.86N 140.01W 5 3.0L
NEIC XI 10 17 08 53.0 65.86N 140.00W 5 3.0L,2.7L **¶11434387**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0. 202km Nnw of Dawson, Yt Northern Yukon Territory, Canada.
NEIC Event type se. After PGC.
NEIC XI 11 00 14 37.4 66.60N 135.78W 1 2.8L,2.6L
PGC XI 11 00 14 37.4–3.8 66.60N 135.78W 1 2.8L,2.6L **¶11434401**
NEIC Event type se. After PGC.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. 110km Wsw of Fort McPherson, Nt Northern Yukon Territory, Canada.
PGC XI 15 08 23 31.9 65.02N 133.76W 1 3.3L
NEIC XI 15 08 23 31.9 65.02N 133.76W 1 3.3L,3.1L **¶12073607**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 271km Sse of Fort McPherson, Nt Northern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC XI 17 03 36 44.3–22 65.89N 140.22W 1 3.1L
NEIC XI 17 03 36 44.3 65.89N 140.22W 1 3.1L,2.9L **¶12073814**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=2.3km az=-1.0. 207km Nnw of Dawson, Yt Northern Yukon Territory, Canada.
NEIC Event type se. After PGC.
PGC XI 21 10 14 30.3–.01 65.36N 134.20W 5 3.4L
NEIC XI 21 10 14 30.3 65.36N 134.20W 5 3.4L **¶11473156**
PGC Event type ke. 232km south of Fort McPherson, Nt Northern Yukon Territory, Canada.
NEIC Event type se. After PGC.
ISC XI 24 22 49 52.2–1.2 65.47N–.03 134.27W–.06 7–8 3.6b 60 3-53
ISCJB XI 24 22 49 51.2–1.4 65.45N–.03 134.18W–.07 15–9 3.6b **¶11473357**
IDC XI 24 22 49 51.6–.70 65.55N 134.31W 0 4.1,4.0L
PGC XI 24 22 49 52.8–.03 65.49N 134.27W 1 4.1L,3.9W
NEIC XI 24 22 49 52.8 65.49N 134.26W 1 3.9W,3.9W
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.3km s-min=4.8km az=0.0.
IDC Error ellipse: s-maj=10.1km s-min=8.4km az=37.0.
PGC Event type ke. 217km south of Fort McPherson, Nt Northern Yukon Territory, Canada.
NEIC Event type se. After PGC. Moment Tensor Solution.

(678) Queen Elizabeth Islands.

OTT VII 17 22 39 53.8–1.0 78.78N 103.14W 18 3.7L
¶13596844
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=4.5km az=-1.0. 45km northeast from Isachsen, Nu Sverdrup Seismic Zone.
ISC VII 27 19 39 21.9–.53 79.37N–.08 97.7W–1.0 10 3.9b,3.2s 29 5-82
ISCJB VII 27 19 39 20.1–.53 79.36N–.07 97.2W–.90 10 3.9b,3.1s **¶11812735**
IDC VII 27 19 39 20.4–.80 79.40N 97.99W 0 4.3L,4.1
NEIC VII 27 19 39 21.6–.54 79.35N 96.33W 10 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.5km s-min=9.8km az=11.1.
IDC Error ellipse: s-maj=31.5km s-min=16.2km az=107.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.3km az=112.0.
NEIC VIII 18 22 00 04.9 78.98N 92.28W 18 4.0L
IDC VIII 18 22 00 00.8–1.9 79.05N 91.40W 0 3.9,3.8L **¶11308642**
OTT VIII 18 22 00 04.9–.51 78.98N 92.28W 18 4.0L,3.8L
NEIC Event type se. After OTT.
IDC Error ellipse: s-maj=42.9km s-min=24.5km az=152.0.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=3.8km az=-1.0. 171km southwest from Eureka, Nu Sverdrup Seismic Zone.
ISC XI 18 07 45 32.5–1.1 78.98N–.08 114.9W–.30 10 3.5b 36 5-51
IDC XI 18 07 45 29.3–1.7 79.58N 115.43W 0 3.9,3.7L **¶12073983**
OTT XI 18 07 45 31.2–2.0 79.40N 115.24W 18 3.7L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=25.1km az=67.0.
OTT Event type ke. Error ellipse: s-maj=10.0km s-min=17.0km az=-1.0. Arctic Ocean. Aftershock. 258km west from Isachsen, Nu.
ISC XI 18 08 40 13.6–.99 78.76N–.06 114.4W–.20 10 3.3b 49 5-50
IDC XI 18 08 40 07.0–8.5 79.64N 115.13W 0 4.0L,4.0 **¶12073990**
OTT XI 18 08 40 08.9–1.0 79.46N 114.92W 18 4.0L,4.0
ISCJB XI 18 08 40 12.2–.96 78.71N–.06 114.2W–.20 10 3.3b,4.0
ISC Event type ke.
OTT Event type ke. Arctic Ocean. Aftershock. 252km west from Isachsen, Nu.
ISCJB Event type ke.
ISC XI 19 09 56 36.9–.86 78.69N–.06 113.9W–.20 10 3.9b 85 5-117
IDC XI 19 09 56 29.0–.76 79.75N 114.47W 0 4.2,4.1L **¶11479706**
OTT XI 19 09 56 30.8–.83 79.44N 115.40W 18 4.8b,4.1L
NEIC XI 19 09 56 30.8–.47 79.73N 114.67W 10 4.5L,4.4b
ISCJB XI 19 09 56 33.2–.84 78.83N–.06 113.4W–.20 10 3.9b,4.4b
ISC Event type ke.
OTT Event type ke. Arctic Ocean. Aftershock. 261km west from Isachsen, Nu.
NEIC Event type se.
ISCJB Event type ke.

(679) Northwest Territories.

ISC VII 14 15 55 57.3–.16 63.55N–.02 123.71W–.04 10 4.3b,3.3s 305 3-140
BJI VII 14 15 55 53.9 63.50N 123.80W 10 4.9b,4.7b **¶11121253**
ISCJB VII 14 15 55 55.3–.17 63.55N–.02 123.83W–.05 10 4.3b,3.3s
PGC VII 14 15 55 57.9–.01 63.52N 123.78W 10 5.0L,4.2W
NEIC VII 14 15 55 57.9 63.52N 123.78W 10 4.3b,4.2W
IDC VII 14 15 56 00.4–1.5 63.55N 123.64W 29–11 4.2L,4.1
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=153.2.
PGC Event type ke. 234km northwest of Fort Simpson, Nt Northwest Territories, Canada.
NEIC Event type se. After PGC. Moment Tensor Solution. $M_0$2.60000×10^{15}
IDC Error ellipse: s-maj=8.7km s-min=8.2km az=155.0.
ISC IX 17 11 40 38.7–.32 64.56N–.02 79.19W–.06 10 3.7b 94 2-68

ISCJB IX 17 11 40 36.5–.32 64.53N–.02 79.26W–.06 10 3.7b ¶11280358
IDC IX 17 11 40 39.3–.60 64.83N 78.67W 0 4.1,3.9
OTT IX 17 11 40 40.6–.20 64.67N 78.84W 18 4.3,3.9
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.4km s-min=2.9km az=143.0.
IDC Error ellipse: s-maj=13.0km s-min=8.4km az=10.0.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0. 121km northwest from Cape Dorset, Nu.
ISC IX 20 05 16 11.6–.08 63.63N–.01 129.20W–.03 10 5.1b,4.8s 1246 4-173
BGS IX 20 05 16 00.8–2.0 62.14N 129.89W 10–0 5.2b,4.8s ¶13394764
IDC IX 20 05 16 08.9–.37 63.56N 129.00W 0 5.1,5.1
LDG IX 20 05 16 09.1–.21 63.68N 128.87W 10–0 5.3b,4.7s
MOS IX 20 05 16 09.3–.89 63.62N 129.20W 10 5.3b,4.7s
ISCJB IX 20 05 16 09.5–.08 63.64N–.01 129.24W–.03 10 5.1b,4.8s
NEIC IX 20 05 16 10.6 63.59N 129.03W 10 5.2b,5.2W
PGC IX 20 05 16 10.6–.04 63.59N 129.03W 10 5.9L,5.2W
BJI IX 20 05 16 11.3 64.11N 129.89W 10 5.3s,5.2b
GCMT IX 20 05 16 14.0–.20 63.61N 128.81W 13–1 5.2W,5.2b
SZGRF IX 20 05 16 25.3 64.97N 128.72W 9 4.7b,5.2b
ISC Event type ke.
BGS Error ellipse: s-maj=290.4km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=8.7km s-min=7.3km az=70.0.
LDG Event type ke. Error ellipse: s-maj=10.4km s-min=5.7km az=11.0.
MOS Error ellipse: s-maj=9.0km s-min=3.2km az=91.3.
ISCJB Event type ke. Error ellipse: s-maj=2.3km s-min=1.3km az=157.3.
NEIC Event type se. After PGC. Moment Tensor Solution. $M_0$6.80000×10^{16} Moment Tensor Solution. $M_0$6.70000×10^{16}
PGC Event type ke. 222km southwest of Norman Wells, Nt Northwest Territories, Canada.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s51,c76; s90,c166; Moment tensor: Scale 10^{16}Nm; M_{rr}2.38±.20 $M_{\theta\theta}$-7.74±.20; $M_{\phi\phi}$5.36±.19; $M_{r\theta}$3.67±.57; $M_{\theta\phi}$4.49±.17; $M_{\phi r}$1.33±.47; Best double couple: NP1:ϕ_s331.00000°,δ61.00000°,λ172.00000°. NP2:ϕ_s65.00000°,δ83.00000°,λ29.00000°. Principal axes: T 7.8800,Plg25.0000° ,Azm292.0000°; N 2.0600,Plg60.0000°,Azm78.0000°; P -9.9400,Plg15.0000°,Azm195.0000° $M_0$8.90000×10^{16}
SZGRF Northwest Territories, Canada.
ISC IX 20 05 31 07.7–.47 63.40N–.03 129.20W–.06 10 56 4-54
ISCJB IX 20 05 31 04.0–.51 63.41N–.03 129.33W–.07 10 ¶11284044
IDC IX 20 05 31 07.9–.76 63.57N 128.90W 0 3.9,3.8b
PGC IX 20 05 31 10.5–.06 63.51N 129.07W 15 4.0L,3.8b
NEIC IX 20 05 31 10.5 63.51N 129.07W 15 4.0L,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.9km s-min=4.2km az=166.6.
IDC Error ellipse: s-maj=9.9km s-min=9.1km az=54.0.
PGC Event type ke. 230km southwest of Norman Wells, Nt Northwest Territories, Canada.
NEIC Event type se. After PGC.
PGC IX 20 05 42 44.5–.06 63.56N 129.04W 5 3.5L
¶11302804
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=-1.0. 225km southwest of Norman Wells, Nt Northwest Territories, Canada.
OTT IX 28 16 23 59.9–.17 65.20N 86.92W 18 3.8
¶11313823
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. Wager Bay region, Nu 152km south from Repulse Bay, Nu Boothia Ungava Seismic Zone.
ISC IX 29 02 16 47.0–.36 63.56N–.04 128.78W–.06 10 63 4-22
ISCJB IX 29 02 16 44.5–.37 63.56N–.04 128.75W–.06 10 ¶11322349
IDC IX 29 02 16 46.3–.79 63.51N 128.83W 0 3.9,3.8
PGC IX 29 02 16 48.1–.07 63.51N 129.01W 10 4.1L,3.8
NEIC IX 29 02 16 48.1 63.51N 129.01W 10 4.1L,3.8
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.9km az=172.4.
IDC Error ellipse: s-maj=9.6km s-min=9.0km az=23.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=-1.0. 229km southwest of Norman Wells, Nt Northwest Territories, Canada.
NEIC Event type se. After PGC.

(680) Western Kalaallit Nunaat.

OTT VII 11 21 11 30.3–.44 69.43N 53.66W 18 4.0L
NEIC VII 11 21 11 26.3–1.7 69.39N 53.31W 10 4.1L ¶12951196
OTT Event type ke. Error ellipse: s-maj=5.6km s-min=3.1km az=-1.0. Greenland west coast. 472km northeast from Qikiqtarjuaq, Nu Eastern Arctic Background Seismic Zone.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=9.3km az=159.0.

(681) Baffin Bay.

OTT VII 05 01 11 23.9–.62 74.69N 59.14W 18 4.5L
IDC VII 05 01 11 27.5–.92 74.61N 60.81W 0 3.8L,3.8 ¶11810663
NEIC VII 05 01 11 28.6–.68 74.72N 61.13W 10 3.8b,3.8
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0. Western Greenland. 567km northeast from Clyde River, Nu Eastern Arctic Background Seismic Zone.
IDC Error ellipse: s-maj=26.4km s-min=16.9km az=141.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=9.5km az=153.0.

(682) Baffin Island region.

OTT VII 26 01 24 55.8–.42 71.99N 75.27W 18 3.9
¶13597184
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0. 122km southeast from Pond Inlet, Nu Baffin Island Seismic Zone, Nt.
OTT VIII 16 13 40 04.9–.48 70.52N 71.87W 18 3.5
¶11308624
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=3.3km az=-1.0. 123km west from Clyde River, Nu Baffin Island Seismic Zone, Nt.
OTT XI 27 08 11 17.6–.55 72.66N 80.01W 18 3.7
¶11479751
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0. 67km west from Pond Inlet, Nu Eastern Arctic Background Seismic Zone.

SEISMIC REGION 43.
Southeastern and Antarctic Pacific Ocean.

(684) Southern East Pacific Rise.

IDC VII 18 10 55 09.4–3.0 34.06S 106.42W 0 4.3,3.9
¶12698288
IDC Error ellipse: s-maj=175.0km s-min=37.9km az=109.0.
IDC VII 18 10 57 18.2–1.1 34.98S 107.61W 0 4.4,4.2
NEIC VII 18 10 57 19.7–1.0 35.05S 107.53W 10 4.4b,4.2 ¶11811929
IDC Error ellipse: s-maj=38.9km s-min=30.1km az=166.0.
NEIC Event type se. Error ellipse: s-maj=32.6km s-min=21.8km az=192.0.
ISC VII 27 01 30 39.9–3.5 22.9S–.50 115.1W–.40 10 4.2b,3.9s 18 7-152
IDC VII 27 01 30 34.2–1.9 23.44S 115.58W 0 4.2,4.0 ¶11812679
NEIC VII 27 01 30 36.2–.83 23.45S 115.41W 10 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=65.0km s-min=39.8km az=43.0.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=20.6km az=70.0.
ISC VII 27 03 34 16.7–1.9 23.6S–.30 115.4W–.40 10 4.1b,3.8s 24 7-153
ISCJB VII 27 03 34 15.1–1.9 23.5S–.30 115.3W–.30 10 4.1b,3.8s ¶11153810
IDC VII 27 03 34 15.7–1.3 23.44S 115.26W 0 4.1,4.0
NEIC VII 27 03 34 17.0–.76 23.50S 115.28W 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=59.1km s-min=14.1km az=140.2.
IDC Error ellipse: s-maj=46.4km s-min=23.2km az=43.0.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=12.0km az=53.0.
ISC VII 29 20 56 23.5–.22 54.81S–.05 118.8W–.10 10 5.3s,5.3b 371 28-178
IDC VII 29 20 56 20.8–.38 54.60S 119.02W 0 5.3s,5.3 ¶11153946
ISCJB VII 29 20 56 21.8–.22 54.86S–.05 118.8W–.10 10 5.3s,5.3b
MOS VII 29 20 56 22.0–1.8 54.67S 118.72W 10 5.7b,5.3s
NEIC VII 29 20 56 22.4–.20 54.73S 118.78W 10 5.8W,5.5b
GCMT VII 29 20 56 28.5–.10 54.76S 118.95W 15–0 5.7W,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=13.9km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.7km az=14.8.
MOS Error ellipse: s-maj=24.8km s-min=10.9km az=77.3.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.2km az=116.0. Moment Tensor Solution. s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74 $M_{\theta\theta}$2.68 $M_{\phi\phi}$-1.94 $M_{r\theta}$-0.13 $M_{\theta\phi}$4.90 $M_{\phi r}$0.27 Best double couple: NP1:ϕ_s103.00000°,δ87.00000°,λ-3.00000°. NP2:ϕ_s193.00000° ,δ87.00000°,λ-177.00000°. Principal axes: T 5.7900,Plg0.0000°,Azm327.0000° ; N -0.7200,Plg85.0000°,Azm233.0000°; P -5.0700,Plg4.0000°,Azm57.0000° $M_0$5.50000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=107, comp=214, per= 50. Moment Tensor Solution. s94,c189; s63,c75; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32±.04 $M_{\theta\theta}$2.13±.05; $M_{\phi\phi}$-1.81±.04; $M_{r\theta}$-0.29±.13; $M_{\theta\phi}$4.16±.04; $M_{\phi r}$0.30±.12; Best double couple: NP1:ϕ_s193.00000°,δ85.00000°,λ-177.00000°. NP2:ϕ_s103.00000°,δ87.00000°,λ-5.00000°. Principal axes: T 4.7600,Plg1.0000°,Azm148.0000°; N -0.2800,Plg84.0000°,Azm247.0000° ; P -4.4800,Plg6.0000°,Azm58.0000° $M_0$4.60000×10^{17}
IDC VII 30 08 02 12.9–2.7 24.71S 115.91W 0 4.1,3.7
¶12698493
IDC Error ellipse: s-maj=97.8km s-min=42.4km az=34.0.
IDC VII 30 14 06 40.3–1.5 54.10S 119.55W 0 4.2s,4.2
¶11169726
IDC Error ellipse: s-maj=60.1km s-min=32.5km az=144.0.
IDC VIII 11 13 27 41.4–3.4 16.04S 112.48W 0 4.2,3.9b
¶12581027
IDC Error ellipse: s-maj=126.6km s-min=34.5km az=36.0.
IDC VIII 15 02 19 42.7–1.5 21.10S 113.95W 0 3.9s,3.9
¶11227203
IDC Error ellipse: s-maj=62.8km s-min=30.1km az=37.0.
ISC VIII 17 21 28 38.3–.62 34.9S–.10 108.3W–.10 10 4.5s,4.3b 17 8-166
ISCJB VIII 17 21 28 36.3–.62 34.9S–.10 108.3W–.10 10 4.5s,4.3b ¶11227212
IDC VIII 17 21 28 36.4–.70 34.92S 108.32W 0 4.4s,4.4
NEIC VIII 17 21 28 38.0–.49 34.81S 108.29W 10 4.5b,4.4
GCMT VIII 17 21 28 43.4–.20 35.04S 108.26W 18–1 5.2W,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=12.3km az=25.8.
IDC Error ellipse: s-maj=24.0km s-min=21.9km az=163.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=11.2km az=202.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s45,c57; s79,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.30±.20 $M_{\theta\theta}$-1.02±.17; $M_{\phi\phi}$2.32±.18; $M_{r\theta}$-2.29±.43; $M_{\theta\phi}$-5.31±.15; $M_{\phi r}$-2.83±.44; Best double couple: NP1:ϕ_s103.00000°,δ62.00000° ,λ-162.00000°. NP2:ϕ_s5.00000°,δ74.00000°,λ-29.00000°. Principal axes: T 6.3500,Plg8.0000°,Azm56.0000°; N 0.7400,Plg57.0000°,Azm159.0000° ; P -7.0800,Plg32.0000°,Azm321.0000° $M_0$6.70000×10^{16}
IDC VIII 27 06 09 39.4–11 18.25S 116.46W 0 4.2,4.1s
¶12581455
IDC Error ellipse: s-maj=383.3km s-min=37.6km az=56.0.
ISC VIII 31 04 05 10.9–1.7 24.6S–.20 116.0W–.30 10 4.2b,3.7s 28 7-153
ISCJB VIII 31 04 05 09.1–1.7 24.5S–.20 116.0W–.30 10 4.2b,3.7s ¶11265422
IDC VIII 31 04 05 09.0–1.3 24.54S 116.05W 0 4.3,4.0
NEIC VIII 31 04 05 11.7–.62 24.46S 115.80W 10 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=48.7km s-min=13.5km az=139.6.
IDC Error ellipse: s-maj=47.8km s-min=20.7km az=45.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=11.6km az=54.0.
ISC VIII 31 20 58 33.1–.75 24.4S–.10 115.8W–.10 10 4.7b,4.4s 154 6-153
IDC VIII 31 20 58 29.8–1.0 24.38S 116.21W 0 4.4,4.2 ¶11227331
ISCJB VIII 31 20 58 31.9–.81 24.2S–.10 115.7W–.10 10 4.7b,4.4s
NEIC VIII 31 20 58 31.3–.63 24.46S 116.09W 10 5.0b,4.4s
GCMT VIII 31 20 58 36.8–.30 24.61S 115.93W 17–1 5.0W,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=21.6km az=40.0.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=11.5km az=31.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.9km az=58.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s25,c35; s76,c110; Moment tensor: Scale 10^{16}Nm; M_{rr}0.04±.12 $M_{\theta\theta}$-2.52±.11; $M_{\phi\phi}$2.48±.11; $M_{r\theta}$-0.61±.28; $M_{\theta\phi}$2.59±.10; $M_{\phi r}$0.11±.29; Best double couple: NP1:ϕ_s158.00000°,δ82.00000°,λ-175.00000°. NP2:ϕ_s68.00000°,δ85.00000°,λ-8.00000°. Principal axes: T 3.5900,Plg2.0000° ,Azm113.0000°; N 0.1300,Plg81.0000°,Azm217.0000°; P -3.7200,Plg9.0000°,Azm23.0000° $M_0$3.70000×10^{16}
IDC VIII 31 21 30 08.2–1.2 24.28S 115.99W 0 4.2,4.0b
¶11265440
IDC Error ellipse: s-maj=76.3km s-min=31.7km az=23.0.
ISC IX 05 13 09 58.7–.81 55.7S–.20 124.9W–.20 10 4.2s,4.2b 12 33-99
IDC IX 05 13 09 56.6–1.3 55.45S 125.11W 0 4.2s,4.2 ¶11279446
NEIC IX 05 13 09 57.7–.75 55.42S 124.95W 10 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=44.1km s-min=29.6km az=151.0.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=14.1km az=161.0.
ISC IX 06 11 07 24.0–.62 35.3S–.10 111.2W–.20 10 4.1b,3.1s 18 32-152
ISCJB IX 06 11 07 22.1–.62 35.3S–.10 111.2W–.20 10 4.1b,3.1s ¶11909600
IDC IX 06 11 07 22.4–.74 35.12S 111.22W 0 4.1,4.0
NEIC IX 06 11 07 24.0–.45 35.16S 111.25W 10 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.6km s-min=13.1km az=166.2.
IDC Error ellipse: s-maj=31.6km s-min=20.6km az=82.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=11.9km az=76.0.
ISC IX 13 15 45 27.1–.33 48.77S–.07 113.1W–.10 10 4.7s,4.7b 149 22-172
SZGRF IX 13 15 45 24.7 50.31S 114.68W 33 4.7s,4.7b ¶13394275
IDC IX 13 15 45 24.7–.52 48.65S 113.41W 0 4.6s,4.6
ISCJB IX 13 15 45 25.5–.32 48.79S–.07 113.1W–.10 10 4.7s,4.7b
MOS IX 13 15 45 26.6–1.2 48.47S 113.08W 10 5.0b,4.7b
NEIC IX 13 15 45 26.1–.25 48.71S 113.20W 10 4.9s,4.8b
BJI IX 13 15 45 28.1 48.70S 113.20W 10 5.5s,5.3b
GCMT IX 13 15 45 30.0–.20 48.83S 113.44W 21–1 5.2W,5.3b
ISC Event type se.
SZGRF Southern East Pacific Rise.
IDC Error ellipse: s-maj=21.7km s-min=16.7km az=145.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=9.3km az=15.2.
MOS Error ellipse: s-maj=25.1km s-min=15.3km az=77.3.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.7km az=120.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s57,c78; s88,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}0.05±.20 $M_{\theta\theta}$-6.59±.22; $M_{\phi\phi}$6.54±.19; $M_{r\theta}$-3.04±.42; $M_{\theta\phi}$-3.67±.17; $M_{\phi r}$-4.28±.47; Best double couple: NP1:ϕ_s121.00000°,δ55.00000° ,λ-179.00000°. NP2:ϕ_s30.00000°,δ89.00000°,λ-35.00000°. Principal axes: T 8.9400,Plg23.0000°,Azm81.0000°; N 0.4500,Plg55.0000°,Azm209.0000° ; P -9.3900,Plg25.0000°,Azm340.0000° $M_0$9.20000×10^{16}
ISC IX 13 17 29 46.5–1.0 20.8S–.10 113.9W–.20 10 4.3b,3.9s 13 8-151
ISCJB IX 13 17 29 44.1–1.0 20.8S–.10 114.0W–.20 10 4.3b,3.9s ¶11302736
IDC IX 13 17 29 44.6–1.3 20.74S 113.99W 0 4.0,3.9s
NEIC IX 13 17 29 45.9–.51 20.80S 113.94W 10 4.6b,3.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.7km s-min=17.0km az=163.1.
IDC Error ellipse: s-maj=43.1km s-min=38.4km az=14.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=14.3km az=83.0.
ISC IX 14 19 50 12.4–1.2 35.1S–.20 108.6W–.20 10 4.1b,3.8s 12 8-151
NEIC IX 14 19 50 12.6–.92 35.14S 108.52W 10 4.4b,3.8s ¶11302751
IDC IX 14 19 50 13.4–.95 34.72S 108.23W 0 4.3,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=21.6km az=53.0.
IDC Error ellipse: s-maj=28.0km s-min=26.2km az=38.0.
IDC IX 23 07 27 44.3–2.9 24.18S 115.52W 0 4.2,3.9
¶11339109
IDC Error ellipse: s-maj=89.8km s-min=37.1km az=41.0.
ISC IX 26 09 41 47.3–.48 35.19S–.07 107.0W–.10 10 4.2b,3.9s 26 8-152
ISCJB IX 26 09 41 45.3–.49 35.19S–.07 107.0W–.10 10 4.2b,3.9s ¶11339118
IDC IX 26 09 41 45.3–.73 35.07S 107.14W 0 4.3,4.2
NEIC IX 26 09 41 47.2–.36 35.12S 107.05W 10 4.7b,4.2
GCMT IX 26 09 41 51.0–.30 35.18S 107.10W 22–1 4.9W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=10.4km az=169.4.
IDC Error ellipse: s-maj=22.5km s-min=20.1km az=78.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.2km az=74.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s24,c26; s71,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.81±.18 $M_{\theta\theta}$-0.47±.13; $M_{\phi\phi}$1.28±.15; $M_{r\theta}$-0.02±.21; $M_{\theta\phi}$-2.80±.11; $M_{\phi r}$-1.06±.24; Best double couple: NP1:ϕ_s99.00000°,δ68.00000°,λ-174.00000°. NP2:ϕ_s7.00000°,δ84.00000°,λ-22.00000°. Principal axes: T 3.5100,Plg11.0000° ,Azm55.0000°; N -0.7500,Plg67.0000°,Azm173.0000°; P -2.7500,Plg19.0000° ,Azm321.0000° $M_0$3.10000×10^{16}

ISC	**IX**	**30 16 57 11.5–3.1**	**24.3S–.40**	**115.4W–.60**	**10**	**4.1s,4.0b**	**8**	**6-153**	
ISCJB	IX	30 16 57 09.2–3.0	24.3S–.40	115.5W–.60	10	4.1s,4.0b			¶11911470
IDC	IX	30 16 57 10.6–1.2	24.20S	115.17W	0	4.0s,4.0			
NEIC	IX	30 16 57 12.2–.81	24.20S	115.24W	10	4.6b,4.0			
GCMT	IX	30 16 57 14.3–.30	24.28S	115.69W	19–1	5.0W,4.0			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=89.1km s-min=20.6km az=147.5.
IDC Error ellipse: s-maj=45.5km s-min=27.1km az=48.0.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=19.4km az=59.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s38,c42; s68,c100; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.44±.14 $M_{\theta\theta}$-2.17±.12; $M_{\phi\phi}$2.61±.13; $M_{r\theta}$-1.17±.29; $M_{\theta\phi}$2.82±.12; $M_{\phi r}$0.61±.26; Best double couple: NP1:ϕ_s68.00000°,δ75.00000°,λ-14.00000°. NP2:ϕ_s162.00000°,δ76.00000°,λ-165.00000°. Principal axes: T 3.9200,Plg1.0000° ,Azm295.0000°; N 0.0500,Plg69.0000°,Azm202.0000°; P -3.9700,Plg20.0000°,Azm25.0000° M_o3.90000×10^{16}

IDC	**X**	**05 11 48 07.3–.91**	**34.84S**	**108.90W**	**0**	**4.4s,4.4**			
									¶12065996

IDC Error ellipse: s-maj=47.3km s-min=24.9km az=79.0.

IDC	**X**	**10 11 29 36.0–2.1**	**35.75S**	**105.39W**	**0**	**4.0,3.9s**			
									¶12066501

IDC Error ellipse: s-maj=86.1km s-min=31.5km az=46.0.

ISC	**X**	**19 18 58 59.0–.50**	**21.21S–.07**	**114.0W–.10**	**10**	**4.6b,4.3s**	**53**	**7-152**	
ISCJB	X	19 18 58 57.1–.51	21.14S–.07	114.0W–.10	10	4.6b,4.3s			¶11360279
IDC	X	19 18 58 57.7–.90	21.13S	113.93W	0	4.5,4.4			
NEIC	X	19 18 58 59.7–.52	21.06S	113.82W	10	4.8b,4.4			
GCMT	X	19 18 59 03.4–.30	21.05S	113.76W	17–1	5.0W,4.4			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=9.2km az=158.5.
IDC Error ellipse: s-maj=35.4km s-min=18.5km az=49.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=10.3km az=68.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s33,c42; s80,c120; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.48±.12 $M_{\theta\theta}$-1.15±.11; $M_{\phi\phi}$1.64±.12; $M_{r\theta}$-0.66±.28; $M_{\theta\phi}$2.97±.10; $M_{\phi r}$0.10±.30; Best double couple: NP1:ϕ_s168.00000°,δ78.00000°,λ-174.00000°. NP2:ϕ_s77.00000°,δ84.00000°,λ-12.00000°. Principal axes: T 3.5500,Plg4.0000° ,Azm123.0000°; N -0.3600,Plg77.0000°,Azm229.0000°; P -3.1700,Plg13.0000° ,Azm32.0000° M_o3.40000×10^{16}

IDC	**X**	**28 19 59 13.6–2.4**	**35.47S**	**105.56W**	**0**	**4.2,4.1s**			
									¶12071369

IDC Error ellipse: s-maj=119.1km s-min=67.1km az=72.0.

ISC	**X**	**29 21 14 33.4–1.0**	**49.8S–.50**	**115.7W–.50**	**10**	**4.3s,4.0b**	**8**	**31-167**	
ISCJB	X	29 21 14 31.9–1.0	49.8S–.50	115.6W–.50	10	4.3s,4.0b			¶11451559
IDC	X	29 21 14 31.5–.86	49.69S	115.76W	0	4.2s,4.2			
NEIC	X	29 21 14 32.8–.75	49.75S	115.56W	10	4.5b,4.2			
GCMT	X	29 21 14 38.5–.30	50.03S	115.59W	12	4.9W,4.2			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=77.7km s-min=26.1km az=148.4.
IDC Error ellipse: s-maj=61.1km s-min=28.3km az=160.0.
NEIC Event type se. Error ellipse: s-maj=57.7km s-min=25.6km az=155.0.
GCMT Event type se. Data Used: II G CN IU IC. Moment Tensor Solution. s20,c22; s57,c77; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.36±.12 $M_{\theta\theta}$1.32±.12; $M_{\phi\phi}$-0.96±.12; $M_{r\theta}$-0.38±.32; $M_{\theta\phi}$2.38±.09; $M_{\phi r}$-0.92±.33; Best double couple: NP1:ϕ_s283.00000°,δ69.00000°,λ-1.00000°. NP2:ϕ_s13.00000°,δ89.00000°,λ-159.00000°. Principal axes: T 3.0200,Plg14.0000° ,Azm146.0000°; N -0.4100,Plg69.0000°,Azm16.0000°; P -2.6100,Plg15.0000° ,Azm240.0000° M_o2.80000×10^{16}

ISC	**XI**	**14 17 34 57.0–6.9**	**23.9S–.90**	**115.1W–.90**	**10**	**4.1b,3.9s**	**10**	**6-153**	
IDC	XI	14 17 34 51.9–1.5	24.35S	115.44W	0	4.2,3.9			¶11490436
NEIC	XI	14 17 34 53.0–.94	24.38S	115.48W	10	4.6b,3.9			

ISC Event type se.
IDC Error ellipse: s-maj=48.1km s-min=36.3km az=33.0.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=26.2km az=56.0.

ISC	**XI**	**24 08 09 31.4–.79**	**56.1S–.20**	**124.4W–.30**	**10**	**3.9s,3.9b**	**15**	**34-148**	
IDC	XI	24 08 09 29.0–.86	55.95S	124.51W	0	4.1,3.9			¶12074663
ISCJB	XI	24 08 09 29.7–.79	56.1S–.20	124.2W–.30	10	3.9b,3.9s			
NEIC	XI	24 08 09 30.4–.78	55.92S	124.53W	10	4.3b,3.9s			

ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=26.5km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=23.9km s-min=20.6km az=167.1.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=24.9km az=125.0.

ISC	**XI**	**24 15 55 43.3–.79**	**52.7S–.20**	**118.4W–.40**	**10**	**4.1s,4.0b**	**11**	**30-165**	
IDC	XI	24 15 55 40.7–.79	52.60S	118.32W	0	4.2,4.1s			¶12074696
ISCJB	XI	24 15 55 41.7–.79	52.7S–.20	118.2W–.40	10	4.1s,4.0b			
NEIC	XI	24 15 55 42.5–.68	52.72S	118.30W	10	4.6b,4.0b			

ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=25.5km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=37.1km s-min=21.3km az=33.5.
NEIC Event type se. Error ellipse: s-maj=34.1km s-min=23.0km az=133.0.

IDC	**XII**	**08 02 16 59.7–1.4**	**23.44S**	**115.11W**	**0**	**3.9,3.7**			
NEIC	XII	08 02 17 01.1–1.2	23.48S	115.11W	10	4.2b,3.7			¶12076279

IDC Error ellipse: s-maj=43.8km s-min=36.8km az=30.0.
NEIC Event type se. Error ellipse: s-maj=41.5km s-min=35.4km az=208.0.

ISC	**XII**	**08 02 38 38.0–.81**	**23.7S–.10**	**115.3W–.20**	**10**	**4.5b,4.5s**	**47**	**18-153**	
ISCJB	XII	08 02 38 36.6–.77	23.6S–.10	115.3W–.20	10	4.5b,4.5s			¶12076284
IDC	XII	08 02 38 37.2–1.0	23.41S	115.11W	0	4.5,4.3s			
NEIC	XII	08 02 38 39.4–.63	23.48S	115.07W	10	4.8b,4.3s			
GCMT	XII	08 02 38 42.7–.30	23.55S	115.09W	13–1	5.0W,4.3s			
BJI	XII	08 02 38 44.1	23.40S	115.00W	10	5.3,4.3s			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.8km s-min=11.5km az=156.3.
IDC Error ellipse: s-maj=41.6km s-min=20.6km az=47.0.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=13.7km az=70.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s22,c24; s68,c99; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.25±.14 $M_{\theta\theta}$-2.26±.13; $M_{\phi\phi}$2.51±.16; $M_{r\theta}$-1.36±.37; $M_{\theta\phi}$2.53±.12; $M_{\phi r}$1.11±.39; Best double couple: NP1:ϕ_s66.00000°,δ68.00000°,λ-12.00000°. NP2:ϕ_s160.00000°,δ79.00000°,λ-157.00000°. Principal axes: T 3.6700,Plg8.0000° ,Azm291.0000°; N 0.4300,Plg65.0000°,Azm185.0000°; P -4.1000,Plg24.0000°,Azm25.0000° M_o3.90000×10^{16}

IDC	**XII**	**09 13 34 18.6–1.1**	**56.77S**	**126.10W**	**0**	**4.3,4.1**			
									¶11653420

IDC Error ellipse: s-maj=180.9km s-min=28.6km az=161.0.

IDC	**XII**	**16 02 16 33.1–1.5**	**23.53S**	**115.06W**	**0**	**4.0,3.8**			
									¶12077699

IDC Error ellipse: s-maj=53.8km s-min=38.4km az=32.0.

ISC	**XII**	**17 11 46 50.0–.98**	**34.9S–.10**	**108.5W–.20**	**10**	**4.0b,3.8s**	**18**	**8-151**	
ISCJB	XII	17 11 46 47.8–.97	35.0S–.10	108.5W–.20	10	4.0b,3.8s			¶11593851
IDC	XII	17 11 46 47.9–.78	34.98S	108.62W	0	4.2,4.1			
NEIC	XII	17 11 46 49.2–.75	34.98S	108.60W	10	4.2b,4.1			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=18.5km az=147.2.
IDC Error ellipse: s-maj=24.7km s-min=24.0km az=17.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=19.3km az=44.0.

IDC	**XII**	**20 11 50 47.6–.74**	**24.50S**	**117.00W**	**0**	**4.2s,4.2**			
									¶12078321

IDC Error ellipse: s-maj=39.5km s-min=25.3km az=85.0.

IDC	**XII**	**20 14 31 13.0–1.4**	**23.99S**	**116.05W**	**0**	**4.0s,4.0**			
									¶11593871

IDC Error ellipse: s-maj=60.7km s-min=42.4km az=11.0.

IDC	**XII**	**27 02 21 36.0–2.5**	**24.44S**	**115.94W**	**0**	**4.0,3.7**			
									¶12079124

IDC Error ellipse: s-maj=90.9km s-min=43.6km az=31.0.

ISC	**XII**	**28 09 05 59.2–.60**	**55.9S–.10**	**123.7W–.20**	**10**	**4.1b,3.7s**	**18**	**30-161**	
ISCJB	XII	28 09 05 57.4–.60	55.9S–.10	123.6W–.20	10	4.1b,3.7s			¶11613301
IDC	XII	28 09 05 58.0–.74	55.87S	123.70W	0	4.3,4.1			
NEIC	XII	28 09 05 59.5–.46	55.84S	123.70W	10	4.5b,4.1			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=16.0km az=158.8.
IDC Error ellipse: s-maj=38.3km s-min=21.1km az=155.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=13.1km az=155.0.

(685) Easter Island region.

ISC	**VII**	**07 15 23 40.2–3.0**	**23.1S–.40**	**112.6W–.60**	**10**	**3.8b,3.4s**	**7**	**42-154**	
ISCJB	VII	07 15 23 37.8–3.0	23.1S–.40	112.7W–.60	10	3.8b,3.4s			¶11810891
IDC	VII	07 15 23 37.3–1.7	23.26S	112.71W	0	4.1,4.0			
NEIC	VII	07 15 23 39.0–.90	23.24S	112.75W	10	4.3b,4.0			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=92.3km s-min=21.3km az=141.5.
IDC Error ellipse: s-maj=59.0km s-min=36.9km az=38.0.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=17.2km az=49.0.

ISC	**VII**	**08 06 45 11.6–.82**	**22.9S–.10**	**112.3W–.20**	**10**	**4.3b,3.6s**	**243**	**5-153**	
ISCJB	VII	08 06 45 09.9–.74	22.8S–.10	112.3W–.20	10	4.3b,3.6s			¶11103555
IDC	VII	08 06 45 09.7–.94	22.75S	112.30W	0	4.5,4.3			
NEIC	VII	08 06 45 12.0–.72	22.72S	112.28W	10	4.5b,4.3			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=9.4km az=149.0.
IDC Error ellipse: s-maj=38.1km s-min=19.3km az=53.0.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=8.1km az=61.0.

ISC	**VII**	**27 01 18 02.4–.73**	**23.3S–.10**	**115.0W–.10**	**10**	**4.5b,4.3s**	**183**	**6-154**	
IDC	VII	27 01 17 58.7–1.2	23.45S	115.31W	0	4.4,4.2			¶11153800
ISCJB	VII	27 01 18 00.3–.72	23.2S–.10	115.0W–.10	10	4.5b,4.3s			
NEIC	VII	27 01 18 01.0–.51	23.40S	115.21W	10	4.7b,4.3s			
BJI	VII	27 01 18 03.0	23.40S	115.20W	10	5.2b,5.0s			
GCMT	VII	27 01 18 05.3–.30	23.59S	115.22W	18–1	5.0W,5.0s			

ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=25.9km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=10.5km az=147.5.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=10.9km az=68.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s31,c37; s77,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.24±.13 $M_{\theta\theta}$-1.21±.12; $M_{\phi\phi}$1.45±.12; $M_{r\theta}$-0.22±.25; $M_{\theta\phi}$3.11±.11; $M_{\phi r}$-0.49±.27; Best double couple: NP1:ϕ_s259.00000°,δ83.00000°,λ4.00000°. NP2:ϕ_s168.00000°,δ86.00000°,λ173.00000°. Principal axes: T 3.5800,Plg8.0000° ,Azm123.0000°; N -0.3100,Plg82.0000°,Azm315.0000°; P -3.2700,Plg2.0000° ,Azm214.0000° M_o3.40000×10^{16}

ISC	**VII**	**27 01 52 21.3–.88**	**23.6S–.10**	**114.8W–.20**	**10**	**4.4b,4.1s**	**165**	**6-153**	
IDC	VII	27 01 52 19.6–.88	23.39S	115.46W	0	4.3,4.2			¶11153805
NEIC	VII	27 01 52 21.7–.82	23.41S	115.13W	10	4.6b,4.2			
BJI	VII	27 01 52 28.7	23.40S	115.10W	10	5.2b,5.1s			

ISC Event type se.
IDC Error ellipse: s-maj=35.6km s-min=23.0km az=68.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=15.4km az=55.0.

ISC	**VIII**	**03 11 54 38.8–6.3**	**30.28S–.09**	**110.1W–.20**	**19–39**	**4.2b,3.9s**	**110**	**3-161**	
IDC	VIII	03 11 54 35.2–1.4	30.46S	110.25W	0	4.4,4.2L			¶11813076
NEIC	VIII	03 11 54 37.0–.51	30.36S	110.13W	10	4.5b,4.2L			

ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=36.1km az=129.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=11.5km az=95.0.

ISC	**VIII**	**19 10 58 01.1–.21**	**28.45S–.04**	**112.90W–.04**	**10**	**5.4b,5.3s**	**702**	**3-173**	
IDC	VIII	19 10 57 59.0–.43	28.38S	113.05W	0	5.3s,5.3			¶11169872
ISCJB	VIII	19 10 57 59.4–.21	28.36S–.04	112.89W–.04	10	5.4b,5.3s			
MOS	VIII	19 10 57 59.9–1.1	28.28S	112.97W	10	5.7b,5.3s			
BJI	VIII	19 10 57 59.5	28.20S	113.47W	9	5.8b,5.7s			
NEIC	VIII	19 10 58 00.2–.16	28.55S	112.84W	9	5.7W,5.7W			
GCMT	VIII	19 10 58 06.5–.10	28.65S	112.79W	13–0	5.7W,5.7W			

ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=15.8km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=144.4.
MOS Error ellipse: s-maj=12.7km s-min=6.3km az=80.9.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.7km az=113.0. Moment Tensor Solution. s85 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.32 $M_{\theta\theta}$-2.05 $M_{\phi\phi}$2.38 $M_{r\theta}$-1.10 $M_{\theta\phi}$3.02 $M_{\phi r}$0.16 Best double couple: NP1:ϕ_s71.00000°,δ82.00000°,λ-15.00000°. NP2:ϕ_s163.00000° ,δ75.00000°,λ-172.00000°. Principal axes: T 3.9400,Plg4.0000°,Azm117.0000° ; N -0.0400,Plg72.0000°,Azm223.0000°; P -3.8900,Plg16.0000°,Azm26.0000° M_o3.90000×10^{17}

GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=111, comp=223, per= 50. Moment Tensor Solution. s99,c179; s64,c82; Moment tensor: Scale 10^{17}Nm; M_{rr}1.78±.05 $M_{\theta\theta}$-2.94±.05; $M_{\phi\phi}$1.16±.05; $M_{r\theta}$-0.08±.11; $M_{\theta\phi}$3.52±.04; $M_{\phi r}$0.12±.12; Best double couple: NP1:ϕ_s75.00000°,δ87.00000°,λ1.00000°. NP2:ϕ_s345.00000°,δ89.00000°,λ177.00000°. Principal axes: T 3.1900,Plg3.0000°,Azm300.0000°; N 1.7800,Plg87.0000°,Azm143.0000° ; P -4.9700,Plg1.0000°,Azm30.0000° M_o4.10000×10^{17}

ISC	**VIII**	**19 11 37 49.3–.54**	**28.5S–.10**	**113.0W–.10**	**10**	**4.1s,4.1b**	**16**	**3-158**	
ISCJB	VIII	19 11 37 47.4–.54	28.4S–.10	112.96W–.10	10	4.1b,4.1s			¶11908431
IDC	VIII	19 11 37 47.5–.66	28.47S	113.08W	0	4.1s,4.1			
NEIC	VIII	19 11 37 49.1–.41	28.44S	112.93W	10	4.6b,4.1			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.2km s-min=12.2km az=1.5.
IDC Error ellipse: s-maj=26.9km s-min=22.7km az=63.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=11.6km az=179.0.

IDC	**VIII**	**19 11 49 20.0–2.9**	**26.56S**	**112.38W**	**0**	**4.1,3.8**			
									¶12581196

IDC Error ellipse: s-maj=207.1km s-min=50.6km az=108.0.

IDC	**VIII**	**22 05 39 36.6–1.4**	**27.13S**	**113.29W**	**0**	**4.3,4.0**			
									¶11232313

IDC Error ellipse: s-maj=46.0km s-min=36.1km az=37.0.

IDC	**X**	**02 14 29 45.2–2.9**	**26.81S**	**107.09W**	**0**	**4.0,3.7**			
									¶11911720

IDC Error ellipse: s-maj=115.3km s-min=75.4km az=72.0.

ISC	**XII**	**07 17 02 24.9–6.6**	**23.33S–.08**	**114.83W–.10**	**16–39**	**4.6b,4.2s**	**54**	**6-154**	
IDC	XII	07 17 02 21.3–.97	23.33S	115.16W	0	4.4,4.3			¶11493391
ISCJB	XII	07 17 02 22.1–.45	23.24S–.07	114.72W–.07	10	4.6b,4.2s			
NEIC	XII	07 17 02 22.9–.43	23.42S	114.85W	10	4.8b,4.2s			
BJI	XII	07 17 02 25.2	23.40S	114.70W	10	5.2s,5.1b			

ISC Event type se.
IDC Error ellipse: s-maj=40.5km s-min=22.1km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=9.3km az=174.1.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=9.7km az=72.0.

IDC	**XII**	**15 13 21 24.4–1.4**	**22.88S**	**114.58W**	**0**	**4.0,3.9**			
									¶11593839

IDC Error ellipse: s-maj=45.7km s-min=39.0km az=50.0.

IDC	**XII**	**29 03 17 58.3–1.2**	**22.94S**	**112.16W**	**0**	**4.2,3.8b**			
									¶12079344

IDC Error ellipse: s-maj=52.6km s-min=38.9km az=23.0.

(686) West Chile Rise.

ISC	**VII**	**19 01 11 15.5–.78**	**40.3S–.10**	**91.7W–.10**	**10**	**4.3b,3.8s**	**26**	**16-158**	
ISCJB	VII	19 01 11 13.7–.78	40.3S–.10	91.6W–.10	10	4.3b,3.8s			¶11153477
IDC	VII	19 01 11 13.7–1.0	40.36S	91.66W	0	4.3,4.2			
NEIC	VII	19 01 11 15.1–.58	40.30S	91.64W	10	4.5b,4.2			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=16.3km az=6.2.
IDC Error ellipse: s-maj=27.8km s-min=23.7km az=140.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=12.8km az=190.0.

IDC	**VII**	**21 12 01 54.7–20**	**38.73S**	**89.26W**	**0**	**4.1s,4.1**			
									¶12698366

IDC Error ellipse: s-maj=696.1km s-min=362.7km az=113.0.

ISC	**VIII**	**23 09 30 03.6–.68**	**41.1S–.10**	**86.14W–.09**	**10**	**4.4s,4.3b**	**22**	**12-170**	
ISCJB	VIII	23 09 30 01.8–.68	41.1S–.10	86.08W–.09	10	4.4s,4.3b			¶11232317
IDC	VIII	23 09 30 02.0–.97	41.09S	86.15W	0	4.3,4.3s			
NEIC	VIII	23 09 30 03.6–.54	41.09S	86.14W	10	4.7b,4.3s			
GCMT	VIII	23 09 30 04.3–.20	41.42S	86.40W	15–1	5.2W,4.3s			

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=9.4km az=0.8.
IDC Error ellipse: s-maj=27.6km s-min=26.3km az=114.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.7km az=184.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s58,c84; s91,c156; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.01±.16 $M_{\theta\theta}$1.58±.16; $M_{\phi\phi}$-1.57±.18; $M_{r\theta}$0.27±.29; $M_{\theta\phi}$-8.06±.15; $M_{\phi r}$-0.60±.31; Best double couple: NP1:ϕ_s84.00000°,δ86.00000°,λ179.00000°. NP2:ϕ_s175.00000°,δ89.00000°,λ4.00000°. Principal axes: T 8.2600,Plg4.0000°,Azm40.0000° ; N -0.0400,Plg85.0000°,Azm193.0000°; P -8.2200,Plg2.0000°,Azm309.0000° M_o8.20000×10^{16}

ISC	**VIII**	**25 16 47 23.8–.24**	**42.73S–.05**	**83.35W–.08**	**10**	**4.8b,4.5s**	**312**	**10-173**	
BJI	VIII	25 16 47 21.6	43.01S	83.34W	12	5.1s,5.0b			¶11208001
IDC	VIII	25 16 47 21.6–.52	42.74S	83.50W	0	4.6,4.6			
ISCJB	VIII	25 16 47 22.3–.24	42.72S–.05	83.30W–.08	10	4.8b,4.5s			
NEIC	VIII	25 16 47 22.7–.28	42.67S	83.54W	10	5.0b,4.5s			

MOS VIII 25 16 47 25.9–1.3 42.65S 83.22W 33 5.2b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=14.4km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.4km az=146.1.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.1km az=87.0.
MOS Error ellipse: s-maj=21.9km s-min=16.6km az=71.7.
NEIC IX 21 03 15 36.7–2.4 40.76S 90.27W 10 3.9b
IDC IX 21 03 15 35.3–4.6 40.71S 90.27W 0 4.1s,4.1 ¶11322799
GCMT IX 21 03 15 36.4–.20 41.27S 90.38W 15–1 5.1W,4.1
NEIC Event type se. Error ellipse: s-maj=66.6km s-min=17.8km az=201.0.
IDC Error ellipse: s-maj=126.2km s-min=33.7km az=9.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s34,c42; s79,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.14 $M_{\theta\theta}$0.55±.15; $M_{\phi\phi}$-0.08±.12; $M_{r\theta}$-2.87±.54; $M_{\theta\phi}$-3.76±.10; $M_{\phi r}$-1.44±.37; Best double couple: NP1:ϕ_s352.00000°,δ54.00000°,λ-12.00000°. NP2:ϕ_s89.00000°,δ80.00000°,λ-144.00000°. Principal axes: T 4.3600,Plg17.0000° ,Azm216.0000°; N 1.0600,Plg53.0000°,Azm102.0000°; P -5.4100,Plg32.0000° ,Azm317.0000° $M_0$4.90000×10^{16}
IDC IX 24 11 04 03.1–.96 38.27S 93.07W 0 4.1,4.0
¶11910930
IDC Error ellipse: s-maj=46.0km s-min=22.1km az=84.0.
ISC X 04 11 47 05.5–.38 38.94S–.07 91.23W–.08 10 4.9s,4.9b 129 15-175
IDC X 04 11 47 03.0–.63 38.90S 91.51W 0 5.0,5.0s ¶11328046
ISCJB X 04 11 47 03.7–.39 38.95S–.07 91.19W–.08 10 4.9b,4.9s
MOS X 04 11 47 04.5–1.7 38.72S 91.10W 10 5.2b,4.9s
NEIC X 04 11 47 05.5–.41 38.89S 91.23W 10 5.1b,4.9s
BJI X 04 11 47 05.1 38.90S 91.10W 10 5.4s,5.2b
GCMT X 04 11 47 06.0–.10 38.99S 91.69W 12 5.5W,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=17.8km az=94.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=9.0km az=23.1.
MOS Error ellipse: s-maj=23.1km s-min=9.7km az=95.2.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=10.2km az=46.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=101, comp=207, per= 50. Moment Tensor Solution. s90,c158; s42,c48; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19±.02 $M_{\theta\theta}$0.31±.02; $M_{\phi\phi}$-0.12±.03; $M_{r\theta}$0.01±.06; $M_{\theta\phi}$-2.18±.02; $M_{\phi r}$-0.42±.06; Best double couple: NP1:ϕ_s87.00000°,δ79.00000°,λ-178.00000°. NP2:ϕ_s357.00000°,δ88.00000°,λ-11.00000°. Principal axes: T 2.3200,Plg7.0000°,Azm43.0000°; N -0.1800,Plg79.0000°,Azm169.0000° ; P -2.1400,Plg9.0000°,Azm312.0000° $M_0$2.20000×10^{17}
ISC X 12 09 03 42.2–.42 41.54S–.06 88.6W–.10 10 4.4b,4.1s 44 14-176
ISCJB X 12 09 03 40.4–.42 41.55S–.06 88.6W–.10 10 4.4b,4.1s ¶11346072
IDC X 12 09 03 40.5–.73 41.50S 88.68W 0 4.6L,4.3
BJI X 12 09 03 41.3 41.30S 88.70W 10 5.1b,5.0s
GCMT X 12 09 03 42.8–.20 41.45S 88.92W 16–1 5.0W,5.0s
NEIC X 12 09 03 42.4–.48 41.45S 88.67W 10 4.6b,5.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=9.2km az=169.8.
IDC Error ellipse: s-maj=25.9km s-min=16.9km az=93.0.
GCMT Event type se. Data Used: IU IC G II CN. Moment Tensor Solution. s38,c47; s76,c113; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.90±.15 $M_{\theta\theta}$1.04±.14; $M_{\phi\phi}$-0.14±.14; $M_{r\theta}$-0.20±.34; $M_{\theta\phi}$-3.91±.10; $M_{\phi r}$-0.19±.35; Best double couple: NP1:ϕ_s356.00000°,δ86.00000°,λ-4.00000°. NP2:ϕ_s86.00000°,δ86.00000°,λ-176.00000°. Principal axes: T 4.4000,Plg0.0000° ,Azm221.0000°; N -0.8700,Plg84.0000°,Azm128.0000°; P -3.5300,Plg6.0000° ,Azm311.0000° $M_0$4.00000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=11.4km az=58.0.
ISC XI 04 07 38 29.7–.36 36.96S–.07 96.0W–.10 10 4.8b,4.0s 316 20-173
ISCJB XI 04 07 38 28.0–.36 36.94S–.07 96.1W–.10 10 4.8b,4.0s ¶11392427
IDC XI 04 07 38 27.3–.59 36.98S 96.04W 0 4.5,4.4
NEIC XI 04 07 38 29.4–.31 36.97S 96.06W 10 4.9b,4.4
BJI XI 04 07 38 29.6 36.90S 96.10W 10 5.7b,5.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=9.2km az=161.9.
IDC Error ellipse: s-maj=20.7km s-min=16.7km az=95.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.3km az=79.0.
IDC XI 20 05 41 18.9–8.8 41.28S 85.46W 0 4.3,4.0
¶12074233
IDC Error ellipse: s-maj=718.8km s-min=35.0km az=90.0.
ISC XI 20 05 43 25.4–.72 41.5S–.10 85.6W–.20 10 4.0b 19 17-97
ISCJB XI 20 05 43 23.6–.71 41.5S–.10 85.6W–.20 10 4.0b ¶12074235
IDC XI 20 05 43 24.1–.94 41.38S 85.60W 0 4.4,4.2
NEIC XI 20 05 43 25.7–.67 41.38S 85.59W 10 4.3b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=14.6km az=12.1.
IDC Error ellipse: s-maj=37.3km s-min=23.7km az=90.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=15.1km az=139.0.
ISC XI 20 05 48 32.5–.44 41.50S–.08 85.3W–.10 10 4.6b,4.1s 44 17-166
ISCJB XI 20 05 48 30.8–.43 41.51S–.08 85.3W–.10 10 4.6b,4.1s ¶12612058
IDC XI 20 05 48 30.8–.89 41.44S 85.39W 0 4.5,4.3b
GCMT XI 20 05 48 32.6–.40 41.43S 85.66W 17–1 4.9W,4.3b
NEIC XI 20 05 48 32.7–.45 41.41S 85.34W 10 4.8b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=10.6km az=41.3.
IDC Error ellipse: s-maj=36.2km s-min=19.7km az=88.0.
GCMT Event type se. Data Used: IC G IU II. Moment Tensor Solution. s17,c20; s55,c76; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.57±.21 $M_{\theta\theta}$0.21±.12; $M_{\phi\phi}$2.36±.15; $M_{r\theta}$0.20±.37; $M_{\theta\phi}$-0.95±.07; $M_{\phi r}$0.09±.32; Best double couple: NP1:ϕ_s334.00000°,δ45.00000°,λ-97.00000°. NP2:ϕ_s164.00000°,δ45.00000°,λ-83.00000°. Principal axes: T 2.7200,Plg0.0000° ,Azm249.0000°; N -0.1300,Plg5.0000°,Azm339.0000°; P -2.5900,Plg85.0000° ,Azm157.0000° $M_0$2.70000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.6km az=190.0.
ISC XI 20 06 01 39.9–.34 41.40S–.07 85.31W–.09 10 4.7b,4.2s 291 17-171
BJI XI 20 06 01 35.9 40.62S 84.79W 10 5.3s,5.0b ¶11473098
IDC XI 20 06 01 37.8–.75 41.35S 85.42W 0 4.6,4.4
ISCJB XI 20 06 01 38.3–.35 41.37S–.07 85.29W–.09 10 4.7b,4.2s
NEIC XI 20 06 01 39.7–.42 41.42S 85.25W 10 4.8b,4.2s
GCMT XI 20 06 01 40.3–.30 41.12S 85.64W 27–1 5.1W,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=18.2km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=9.3km az=34.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=11.3km az=36.0.
GCMT Event type se. Data Used: G IU IC II CN. Moment Tensor Solution. s22,c26; s65,c83; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.70±.32 $M_{\theta\theta}$-0.95±.19; $M_{\phi\phi}$4.65±.22; $M_{r\theta}$2.98±.37; $M_{\theta\phi}$-2.28±.17; $M_{\phi r}$-0.49±.29; Best double couple: NP1:ϕ_s190.00000°,δ45.00000°,λ-41.00000°. NP2:ϕ_s311.00000°,δ62.00000°,λ-128.00000°. Principal axes: T 5.7100,Plg10.0000° ,Azm67.0000°; N -0.0400,Plg33.0000°,Azm331.0000°; P -5.6800,Plg56.0000° ,Azm171.0000° $M_0$5.70000×10^{16}
ISC XI 20 22 38 39.2–.62 39.01S–.08 91.9W–.10 10 4.3s,4.0b 27 16-165
ISCJB XI 20 22 38 37.0–.59 39.01S–.08 92.0W–.10 10 4.3s,4.0b ¶12074334
IDC XI 20 22 38 37.4–.81 38.96S 92.00W 0 4.3s,4.2
NEIC XI 20 22 38 38.6–.61 38.97S 91.91W 10 4.4b,4.2
GCMT XI 20 22 38 39.9–.30 39.02S 92.40W 14–1 5.0W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=12.1km az=5.3.
IDC Error ellipse: s-maj=26.1km s-min=18.9km az=103.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=13.7km az=104.0.
GCMT Event type se. Data Used: II G IU IC. Moment Tensor Solution. s27,c31; s72,c86; Moment tensor: Scale 10^{16}Nm; M_{rr}0.40±.13 $M_{\theta\theta}$0.85±.16; $M_{\phi\phi}$-1.25±.17; $M_{r\theta}$-1.47±.37; $M_{\theta\phi}$-3.35±.14; $M_{\phi r}$0.37±.27; Best double couple: NP1:ϕ_s353.00000°,δ68.00000°,λ10.00000°. NP2:ϕ_s259.00000°,δ80.00000°,λ158.00000°. Principal axes: T 3.8900,Plg22.0000° ,Azm215.0000°; N -0.0900,Plg66.0000°,Azm57.0000°; P -3.7900,Plg8.0000°,Azm308.0000° $M_0$3.80000×10^{16}
ISC XII 21 14 13 48.2–.80 44.6S–.10 82.0W–.20 10 4.0b,3.6s 20 9-154
IDC XII 21 14 13 46.0–.97 44.63S 82.01W 0 4.2,4.1 ¶12078466
ISCJB XII 21 14 13 46.6–.80 44.6S–.10 81.9W–.20 10 4.0b,3.6s
NEIC XII 21 14 13 47.5–.69 44.67S 82.10W 10 4.3b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=24.0km az=89.0.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=14.8km az=8.9.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=13.5km az=109.0.

(688) East of North Island.

WEL VII 11 22 14 46.5–.80 37.23S 179.88W 33 3.5L
¶11207392
WEL Event type ke. Error ellipse: s-maj=6.8km s-min=6.8km az=0.0.
WEL VII 14 04 09 25.1–.62 36.29S 179.26W 100 3.9L
NEIC VII 14 04 09 25.3 36.29S 179.41W 5 3.8L ¶11207462
WEL Event type ke. Error ellipse: s-maj=6.6km s-min=6.1km az=0.0.
NEIC Event type se. After WEL.
ISC VIII 27 15 24 22.8–2.4 35.8S–.40 179.2W–.50 62–44 4.1b 13 3-150
IDC VIII 27 15 24 16.8–2.9 35.49S 179.45W 0 4.3,4.2b ¶12581466
IDC Error ellipse: s-maj=65.5km s-min=35.6km az=127.0.
ISC IX 08 09 46 13.4–2.1 37.36S–.08 179.9W–.10 34–25 3.4b 30 1-145
IDC IX 08 09 46 12.5–4.1 36.87S 179.50E 0 3.8,3.7 ¶11391810
WEL IX 08 09 46 13.8–.37 37.23S 179.98W 33 4.0L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=90.2km s-min=37.3km az=129.0.
WEL Event type ke. Error ellipse: s-maj=3.7km s-min=3.6km az=90.0.
WEL X 15 09 54 06.0–.50 36.55S 179.26W 33 3.5L
¶11492539
WEL Event type ke. Error ellipse: s-maj=4.6km s-min=4.4km az=0.0.
WEL XI 14 19 46 26.6–.43 37.78S 179.86W 33 3.5L
¶11521875
WEL Event type ke. Error ellipse: s-maj=3.9km s-min=3.0km az=90.0.
WEL XI 16 19 42 11.8–.51 36.42S 179.77W 33 3.7L
¶11521923
WEL Event type ke. Error ellipse: s-maj=6.5km s-min=4.8km az=0.0.
WEL XI 20 22 04 10.5–.33 36.40S 179.23W 33 3.8L
¶11522013
WEL Event type ke. Error ellipse: s-maj=6.3km s-min=4.8km az=0.0.
ISC XI 24 13 36 54.9–1.2 35.38S–.07 180.0W–.10 78–9 4.7b 82 3-158
IDC XI 24 13 36 45.1–.61 34.74S 179.65E 0 4.8,4.6b ¶12074686
NEIC XI 24 13 36 52.4–2.8 34.85S 179.94E 53–21 4.8b,4.6b
ISCJB XI 24 13 36 55.6–1.4 35.52S–.08 179.9E–.10 99–10 4.7b,4.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 07 12 18 41.6–1.3 36.01S–.08 178.41W–.09 65–16 3.5b 42 3-150
IDC XII 07 12 18 38.5–3.4 35.50S 179.07W 0 4.4,4.4s ¶12076183
IDC Error ellipse: s-maj=86.2km s-min=37.2km az=131.0.
ISC XII 20 12 20 50.2–.88 35.73S–.05 179.81W–.08 40–7 4.7b 109 2-157
ISCJB XII 20 12 20 44.3–.51 35.64S–.04 179.71W–.07 10 4.7b ¶12078324
IDC XII 20 12 20 44.3–.56 35.42S 179.79W 0 4.7b,4.7
NEIC XII 20 12 20 48.5–3.5 35.42S 179.79W 28–23 4.8b,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.3km az=17.0.
IDC Error ellipse: s-maj=18.9km s-min=17.9km az=77.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.3km az=113.0.
NEIC XII 22 00 34 55.5 35.83S 179.97W 103 4.2
¶13837206
NEIC Event type se. After WEL.
ISC XII 26 03 30 40.6–1.2 36.24S–.08 179.6W–.10 48–15 3.9b 37 2-157
IDC XII 26 03 30 29.6–1.6 36.41S 178.79W 0 4.4,4.2b ¶11657189
NEIC XII 26 03 30 37.2–1.4 36.23S 179.22W 35 4.0b,4.2b
ISCJB XII 26 03 30 38.7–1.3 36.24S–.08 179.5W–.10 49–15 3.9b,4.2b
WEL XII 26 03 30 39.3–.47 36.22S 179.35W 33 3.9L,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=54.1km s-min=38.4km az=172.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=19.7km az=133.0.
ISCJB Event type ke. Error ellipse: s-maj=15.5km s-min=11.6km az=35.7.
WEL Event type ke. Error ellipse: s-maj=7.1km s-min=6.7km az=0.0.
WEL XII 28 11 23 32.0–.51 37.35S 179.90W 33 3.6L
NEIC XII 28 11 23 32.8 37.34S 179.93E 70 3.6L ¶11657253
WEL Event type ke. Error ellipse: s-maj=4.9km s-min=3.9km az=0.0.
NEIC Event type se. After WEL.

(690) South of Chatham Islands.

ISC X 25 07 15 08.5–.53 50.83S–.05 179.7W–.10 10 4.4s,4.3b 53 7-152
ISCJB X 25 07 15 07.0–.57 50.73S–.05 179.9W–.10 10 4.4s,4.3b ¶12071062
IDC X 25 07 15 06.8–.70 50.64S 179.55W 0 4.5,4.4
NEIC X 25 07 15 08.4–.45 50.78S 179.72W 10 4.6b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.7km az=164.7.
IDC Error ellipse: s-maj=31.8km s-min=17.1km az=49.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=8.3km az=62.0.

(691) Pacific-Antarctic Ridge.

ISC VII 01 10 52 00.9–.70 56.1S–.20 150.8W–.20 10 4.7b,3.7s 11 28-153
ISCJB VII 01 10 51 59.0–.69 56.1S–.20 150.9W–.20 10 4.7b,3.7s ¶11109352
IDC VII 01 10 51 59.4–.79 56.28S 150.88W 0 4.6,4.4
NEIC VII 01 10 52 00.6–.44 56.08S 150.80W 10 4.5b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=15.8km az=7.6.
IDC Error ellipse: s-maj=140.5km s-min=17.7km az=7.0.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=13.7km az=190.0.
IDC VII 03 15 30 30.2–2.3 56.75S 151.14W 0 4.1,3.9b
¶12697982
IDC Error ellipse: s-maj=78.7km s-min=39.6km az=57.0.
IDC VII 04 00 28 08.2–.87 56.67S 150.93W 0 4.2,4.0b
¶12697995
IDC Error ellipse: s-maj=49.9km s-min=23.5km az=10.0.
ISC VII 06 02 07 18.3–.90 55.8S–.20 150.9W–.30 10 4.1b 7 34-153
ISCJB VII 06 02 07 16.4–.90 55.8S–.20 151.0W–.30 10 4.1b ¶11810760
IDC VII 06 02 07 16.8–.92 55.86S 150.92W 0 4.1,3.9
NEIC VII 06 02 07 17.9–.42 55.79S 150.79W 10 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.0km s-min=21.5km az=3.1.
IDC Error ellipse: s-maj=48.4km s-min=27.4km az=10.0.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=13.6km az=185.0.
ISC VII 16 22 31 28.3–.49 54.9S–.10 127.5W–.20 10 4.4s,4.3b 23 31-165
ISCJB VII 16 22 31 26.4–.49 54.9S–.10 127.5W–.20 10 4.4s,4.3b ¶11153438
IDC VII 16 22 31 26.9–.67 54.82S 127.55W 0 4.5,4.4s
NEIC VII 16 22 31 28.4–.30 54.92S 127.51W 10 4.7b,4.4s
GCMT VII 16 22 31 32.6–.30 55.09S 127.45W 26–1 5.1W,4.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=11.2km az=157.9.
IDC Error ellipse: s-maj=33.0km s-min=18.6km az=161.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.9km az=160.0.
GCMT Event type se. Data Used: IU CN II G IC. Moment Tensor Solution. s27,c36; s67,c92; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.72±.24 $M_{\theta\theta}$4.52±.27; $M_{\phi\phi}$-3.80±.22; $M_{r\theta}$-1.14±.39; $M_{\theta\phi}$3.79±.14; $M_{\phi r}$1.20±.38; Best double couple: NP1:ϕ_s205.00000°,δ74.00000°,λ-172.00000°. NP2:ϕ_s113.00000°,δ82.00000°,λ-16.00000°. Principal axes: T 6.0500,Plg5.0000° ,Azm160.0000°; N -0.3100,Plg72.0000°,Azm267.0000°; P -5.7400,Plg17.0000° ,Azm68.0000° $M_0$5.90000×10^{16}
ISC VII 26 04 44 40.3–.46 53.8S–.10 134.7W–.20 10 4.5b,3.8s 21 31-165
ISCJB VII 26 04 44 38.5–.46 53.9S–.10 134.7W–.20 10 4.5b,3.8s ¶11153766
IDC VII 26 04 44 38.2–.66 53.74S 134.66W 0 4.5,4.4
NEIC VII 26 04 44 39.9–.27 53.79S 134.64W 10 4.5b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=12.8km az=153.2.
IDC Error ellipse: s-maj=27.6km s-min=20.2km az=164.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.9km az=156.0.
IDC VII 28 20 18 58.5–.87 53.30S 135.00W 0 4.3,4.1
NEIC VII 28 20 18 59.9–.66 53.22S 134.95W 10 4.5b,4.1 ¶11169715
IDC Error ellipse: s-maj=40.1km s-min=29.5km az=139.0.
NEIC Event type se. Error ellipse: s-maj=34.7km s-min=24.6km az=125.0.
ISC VIII 06 02 18 37.8–.47 54.1S–.10 133.5W–.20 10 4.7b,4.3s 21 31-163
ISCJB VIII 06 02 18 35.9–.48 54.2S–.10 133.5W–.20 10 4.7b,4.3s ¶11180481
IDC VIII 06 02 18 35.7–.64 54.06S 133.39W 0 4.6,4.5
NEIC VIII 06 02 18 37.4–.33 54.19S 133.40W 10 4.6b,4.5
GCMT VIII 06 02 18 41.8–.30 54.30S 133.35W 14–1 5.0W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=13.4km az=43.9.
IDC Error ellipse: s-maj=26.9km s-min=20.4km az=147.0.

NEIC Event type se. Error ellipse: s-maj=17.9km s-min=10.9km az=138.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s21,c26; s63,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.96±.20 $M_{\theta\theta}$4.28±.20; $M_{\phi\phi}$-2.32±.13; $M_{r\theta}$2.09±.41; $M_{\theta\phi}$-1.40±.16; $M_{\phi r}$0.67±.34; Best double couple: NP1:ϕ_s142.00000°,δ49.00000°,λ-22.00000°. NP2:ϕ_s247.00000°,δ74.00000°,λ-137.00000°. Principal axes: T 5.1000,Plg15.0000° ,Azm9.0000°; N -1.5100,Plg44.0000°,Azm264.0000°; P -3.5800,Plg42.0000°,Azm114.0000° M_o4.30000×10^{16}

ISC VIII 08 18 07 07.3–1.1 55.6S–.20 144.5W–.30 10 4.3b,3.7s 10 28-160
ISCJB VIII 08 18 07 05.2–1.1 55.6S–.20 144.5W–.30 10 4.3b,3.7s **¶11180492**
IDC VIII 08 18 07 06.2–.84 55.73S 144.28W 0 4.2,4.1
NEIC VIII 08 18 07 07.5–.80 55.61S 144.49W 10 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.2km s-min=24.2km az=27.4.
IDC Error ellipse: s-maj=40.1km s-min=29.0km az=3.0.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=25.1km az=76.0.

IDC VIII 20 16 47 38.6–1.4 55.69S 142.36W 0 4.0,3.8
¶11232304

IDC Error ellipse: s-maj=168.4km s-min=43.8km az=171.0.

ISC VIII 22 02 24 01.0–.53 63.05S–.09 158.3W–.20 10 4.6b,4.4s 22 18-160
ISCJB VIII 22 02 23 58.6–.63 62.9S–.10 158.3W–.20 10 4.6b,4.4s **¶11232312**
IDC VIII 22 02 23 58.3–.63 62.79S 157.99W 0 4.6,4.5
NEIC VIII 22 02 24 00.0–.40 62.84S 158.21W 10 4.9b,4.5
GCMT VIII 22 02 24 05.4–.20 63.02S 158.12W 14–1 5.2W,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=12.6km az=14.4.
IDC Error ellipse: s-maj=29.5km s-min=16.3km az=19.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.7km az=195.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c95; s78,c122; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.24±.17 $M_{\theta\theta}$8.24±.22; $M_{\phi\phi}$-7.00±.18; $M_{r\theta}$-0.76±.36; $M_{\theta\phi}$2.63±.18; $M_{\phi r}$2.06±.43; Best double couple: NP1:ϕ_s217.00000°,δ76.00000°,λ-169.00000°. NP2:ϕ_s124.00000°,δ80.00000°,λ-14.00000°. Principal axes: T 8.7000,Plg2.0000° ,Azm171.0000°; N -0.5800,Plg72.0000°,Azm269.0000°; P -8.1200,Plg17.0000° ,Azm80.0000° M_o8.40000×10^{16}

IDC IX 03 12 07 45.7–4.5 57.15S 139.62W 0 4.0,3.8b
¶11909369

IDC Error ellipse: s-maj=769.5km s-min=78.1km az=164.0.

IDC IX 07 08 17 37.4–2.2 56.63S 140.63W 0 3.9,3.7
¶11909709

IDC Error ellipse: s-maj=461.4km s-min=47.4km az=177.0.

ISC IX 08 17 58 43.8–.92 55.5S–.20 129.8W–.20 10 4.0b,3.7s 10 33-161
IDC IX 08 17 58 41.8–.78 54.98S 129.85W 0 4.3,4.1 **¶11302680**
NEIC IX 08 17 58 43.2–.51 54.91S 129.87W 10 4.3,4.1
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=21.2km az=175.0.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=13.7km az=170.0.

ISC IX 10 10 36 31.9–.92 59.0S–.20 150.6W–.20 10 4.0s,4.0b 11 23-147
ISCJB IX 10 10 36 29.8–.93 59.0S–.20 150.6W–.20 10 4.0s,4.0b **¶11302687**
IDC IX 10 10 36 30.1–.98 59.07S 150.40W 0 4.1s,4.1
NEIC IX 10 10 36 31.7–.95 59.02S 150.61W 10 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.4km s-min=17.2km az=9.4.
IDC Error ellipse: s-maj=45.2km s-min=21.3km az=10.0.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=17.9km az=9.0.

ISC IX 10 11 17 00.6–.86 58.5S–.30 151.1W–.30 10 5.2s,4.5b 10 32-149
ISCJB IX 10 11 16 58.6–.87 58.5S–.30 151.1W–.30 10 5.2s,4.5b **¶11302689**
IDC IX 10 11 16 58.8–.78 58.56S 151.12W 0 5.2s,5.2
ISCJB Error ellipse: s-maj=42.5km s-min=19.4km az=10.6.
IDC Error ellipse: s-maj=46.9km s-min=20.3km az=9.0.

IDC X 05 05 25 23.9–4.0 56.19S 143.37W 0 3.7s,3.7
¶12065971

IDC Error ellipse: s-maj=140.2km s-min=37.6km az=40.0.

ISC X 05 19 17 30.2–.66 63.7S–.10 176.1W–.30 10 4.4b,4.0s 24 15-155
ISCJB X 05 19 17 28.3–.67 63.7S–.10 176.1W–.30 10 4.4b,4.0s **¶12066051**
IDC X 05 19 17 28.0–.62 63.61S 175.79W 0 4.5,4.5
NEIC X 05 19 17 29.4–.37 63.68S 175.92W 10 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=12.2km az=138.4.
IDC Error ellipse: s-maj=30.3km s-min=16.1km az=38.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.0km az=50.0.

ISC X 07 00 31 42.9–.52 56.2S–.10 143.8W–.20 10 4.4b,4.3s 28 27-164
ISCJB X 07 00 31 40.8–.52 56.2S–.10 143.8W–.20 10 4.4b,4.3s **¶11369854**
IDC X 07 00 31 40.9–.67 56.18S 143.64W 0 4.3s,4.3
NEIC X 07 00 31 42.8–.39 56.09S 143.79W 10 4.8b,4.3
GCMT X 07 00 31 45.6–.30 56.35S 143.26W 19–1 5.0W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=12.8km az=8.3.
IDC Error ellipse: s-maj=30.2km s-min=18.1km az=179.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.7km az=175.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s29,c39; s79,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.57±.19 $M_{\theta\theta}$3.75±.20; $M_{\phi\phi}$-3.18±.15; $M_{r\theta}$-0.34±.33; $M_{\theta\phi}$2.60±.13; $M_{\phi r}$0.77±.32; Best double couple: NP1:ϕ_s207.00000°,δ80.00000°,λ-171.00000°. NP2:ϕ_s116.00000°,δ82.00000°,λ-10.00000°. Principal axes: T 4.6200,Plg1.0000° ,Azm162.0000°; N -0.3800,Plg77.0000°,Azm256.0000°; P -4.2400,Plg13.0000° ,Azm71.0000° M_o4.40000×10^{16}

ISC X 07 03 07 20.8–.85 56.5S–.10 143.4W–.30 10 4.4b,4.1s 19 27-153
ISCJB X 07 03 07 18.5–.98 56.4S–.20 143.4W–.30 10 4.4b,4.1s **¶11369855**
IDC X 07 03 07 19.1–.88 56.36S 143.63W 0 4.2,4.1s
NEIC X 07 03 07 21.0–.73 56.34S 143.45W 10 4.7b,4.1s
GCMT X 07 03 07 22.9–.40 56.36S 143.32W 24–1 5.0W,4.1s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.3km s-min=18.7km az=34.2.
IDC Error ellipse: s-maj=30.9km s-min=26.3km az=27.0.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=21.6km az=116.0.
GCMT Event type se. Data Used: IU G II CN IC. Moment Tensor Solution. s30,c33; s51,c66; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.18±.18 $M_{\theta\theta}$3.94±.23; $M_{\phi\phi}$-3.77±.20; $M_{r\theta}$1.40±.39; $M_{\theta\phi}$1.23±.16; $M_{\phi r}$1.62±.35; Best double couple: NP1:ϕ_s126.00000°,δ62.00000°,λ0.00000°. NP2:ϕ_s36.00000°,δ90.00000°,λ152.00000°. Principal axes: T 4.7000,Plg19.0000° ,Azm348.0000°; N -0.2600,Plg62.0000°,Azm216.0000°; P -4.4500,Plg19.0000° ,Azm85.0000° M_o4.60000×10^{16}

IDC X 07 04 47 13.3–5.1 56.69S 143.05W 0 3.8,3.7b
¶12066249

IDC Error ellipse: s-maj=490.8km s-min=67.7km az=158.0.

ISC X 07 05 02 17.0–.72 56.3S–.10 143.5W–.20 10 4.1b,4.1s 20 27-160
ISCJB X 07 05 02 15.1–.73 56.4S–.10 143.5W–.20 10 4.1b,4.1s **¶11369856**
IDC X 07 05 02 15.2–.63 56.15S 143.66W 0 4.2,4.1
NEIC X 07 05 02 16.9–.46 56.11S 143.58W 10 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=16.9km az=178.0.
IDC Error ellipse: s-maj=30.5km s-min=20.8km az=1.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=14.4km az=165.0.

ISC X 07 08 28 43.0–.58 55.3S–.10 130.0W–.20 10 4.3b,4.0s 31 32-158
IDC X 07 08 28 41.0–.62 55.11S 130.12W 0 4.3,4.2 **¶11369858**
ISCJB X 07 08 28 41.2–.58 55.3S–.10 130.0W–.20 10 4.3b,4.0s
NEIC X 07 08 28 42.5–.53 55.10S 130.08W 10 4.8b,4.0s
GCMT X 07 08 28 48.1–.30 55.09S 129.91W 20–2 4.9W,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=18.4km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=14.2km az=137.3.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=15.0km az=154.0.
GCMT Event type se. Data Used: II G IU CN IC. Moment Tensor Solution. s31,c39; s66,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22±.15 $M_{\theta\theta}$2.07±.16; $M_{\phi\phi}$-1.85±.12; $M_{r\theta}$0.47±.25; $M_{\theta\phi}$2.17±.11; $M_{\phi r}$0.24±.22; Best double couple: NP1:ϕ_s111.00000°,δ83.00000°,λ6.00000°. NP2:ϕ_s21.00000°,δ84.00000°,λ173.00000°. Principal axes: T 3.1200,Plg9.0000° ,Azm336.0000°; N -0.3100,Plg81.0000°,Azm159.0000°; P -2.8100,Plg1.0000°,Azm66.0000° M_o3.00000×10^{16}

ISC X 07 22 03 40.3–2.2 56.4S–.30 139.5W–.40 10 4.0b,3.8s 14 28-153
IDC X 07 22 03 39.7–3.8 56.34S 139.70W 0 3.9b,3.9 **¶11369860**
NEIC X 07 22 03 42.4–2.6 56.55S 139.95W 10 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=128.1km s-min=39.0km az=37.0.
NEIC Event type se. Error ellipse: s-maj=62.5km s-min=17.4km az=46.0.

ISC X 09 01 23 19.4–.39 55.1S–.10 130.6W–.10 10 4.7b,4.6s 55 32-173
IDC X 09 01 23 17.1–.47 54.81S 130.64W 0 4.7,4.7 **¶11342414**
ISCJB X 09 01 23 17.6–.39 55.1S–.10 130.5W–.10 10 4.7b,4.6s
MOS X 09 01 23 19.4–2.8 55.24S 130.74W 10 5.3b,4.6s
NEIC X 09 01 23 19.1–.39 54.79S 130.68W 10 5.0b,4.6s
BJI X 09 01 23 21.5 54.90S 130.70W 10 5.5b,5.4s
GCMT X 09 01 23 25.1–.10 54.91S 130.64W 20–1 5.3W,5.4s
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=14.7km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=10.1km az=169.4.
MOS Error ellipse: s-maj=33.1km s-min=23.9km az=55.6.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=12.2km az=163.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s69,c110; s98,c153; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s109.00000°,δ70.00000°,λ-3.00000°. NP2:ϕ_s200.00000° ,δ87.00000°,λ-160.00000°. Principal axes: T 1.0500,Plg12.0000°,Azm333.0000° ; N -0.0700,Plg70.0000°,Azm207.0000°; P -0.9800,Plg16.0000°,Azm66.0000° M_o1.00000×10^{17}

ISC X 16 00 29 37.6–.86 62.5S–.10 160.4W–.30 10 4.2s,4.2b 20 19-153
ISCJB X 16 00 29 36.2–.85 62.5S–.10 160.7W–.30 10 4.2s,4.2b **¶11374708**
NEIC X 16 00 29 37.8–.47 62.46S 160.41W 10 4.4b,4.2b
IDC X 16 00 29 37.3–.80 62.72S 161.14W 0 4.2s,4.2
GCMT X 16 00 29 44.2–.20 62.90S 160.97W 12–1 5.1W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=14.5km az=151.2.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.4km az=62.0.
IDC Error ellipse: s-maj=31.4km s-min=20.2km az=40.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s32,c41; s75,c104; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.79±.20 $M_{\theta\theta}$5.36±.18; $M_{\phi\phi}$-3.57±.17; $M_{r\theta}$-0.21±.34; $M_{\theta\phi}$1.78±.13; $M_{\phi r}$1.41±.51; Best double couple: NP1:ϕ_s121.00000°,δ71.00000°,λ-19.00000°. NP2:ϕ_s217.00000°,δ72.00000°,λ-160.00000°. Principal axes: T 5.7000,Plg0.0000° ,Azm349.0000°; N -1.0800,Plg63.0000°,Azm258.0000°; P -4.6300,Plg27.0000° ,Azm79.0000° M_o5.20000×10^{16}

ISC X 20 05 13 13.4–.68 54.6S–.10 132.8W–.30 10 4.3s,4.1b 19 34-163
ISCJB X 20 05 13 11.7–.69 54.6S–.10 132.8W–.30 10 4.3s,4.1b **¶12069108**
IDC X 20 05 13 11.8–.79 54.21S 133.17W 0 4.3s,4.3
NEIC X 20 05 13 13.4–.65 54.28S 133.05W 10 5.1b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=19.3km az=173.9.
IDC Error ellipse: s-maj=31.3km s-min=24.1km az=130.0.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=19.6km az=126.0.

ISC X 24 17 15 13.9–1.4 57.9S–.30 147.8W–.40 10 4.1s,3.8b 7 29-152
ISCJB X 24 17 15 11.7–1.4 57.8S–.30 147.8W–.30 10 4.1s,3.8b **¶11390993**
IDC X 24 17 15 13.5–1.1 57.77S 147.86W 0 4.1s,4.1
ISCJB Error ellipse: s-maj=41.1km s-min=20.7km az=27.5.
IDC Error ellipse: s-maj=42.4km s-min=24.9km az=26.0.

ISC X 24 17 58 10.6–.82 57.9S–.20 147.5W–.20 10 4.2b,4.0s 18 25-162
ISCJB X 24 17 58 08.6–.82 57.9S–.20 147.5W–.20 10 4.2b,4.0s **¶11390994**
IDC X 24 17 58 09.8–.84 58.01S 147.82W 0 4.0s,4.0
NEIC X 24 17 58 11.2–.62 57.86S 147.49W 10 4.7b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=15.0km az=20.8.
IDC Error ellipse: s-maj=37.0km s-min=25.1km az=30.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=17.2km az=11.0.

ISC XI 06 13 09 30.4–.54 55.3S–.10 128.8W–.20 10 4.5s,4.2b 30 32-161
ISCJB XI 06 13 09 28.6–.54 55.3S–.10 128.7W–.20 10 4.5s,4.2b **¶11457797**
IDC XI 06 13 09 29.0–.50 55.23S 128.79W 0 4.4s,4.4
NEIC XI 06 13 09 30.4–.37 55.23S 128.76W 10 4.9b,4.4
GCMT XI 06 13 09 35.8–.20 55.33S 129.07W 20–1 5.2W,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=14.0km az=0.0.
IDC Error ellipse: s-maj=24.0km s-min=15.9km az=169.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=12.3km az=165.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s65,c99; s89,c149; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.19 $M_{\theta\theta}$4.94±.20; $M_{\phi\phi}$-4.33±.16; $M_{r\theta}$-0.43±.33; $M_{\theta\phi}$5.96±.15; $M_{\phi r}$1.24±.33; Best double couple: NP1:ϕ_s108.00000°,δ82.00000°,λ-7.00000°. NP2:ϕ_s199.00000°,δ83.00000°,λ-172.00000°. Principal axes: T 7.8600,Plg1.0000° ,Azm334.0000°; N -0.3700,Plg79.0000°,Azm238.0000°; P -7.4900,Plg11.0000° ,Azm64.0000° M_o7.70000×10^{16}

ISC XI 13 16 02 07.2–.55 56.71S–.07 140.8W–.20 10 4.7s,4.4b 26 28-152
ISCJB XI 13 16 02 05.3–.55 56.75S–.07 140.8W–.20 10 4.7s,4.4b **¶11452909**
IDC XI 13 16 02 06.1–.87 56.61S 141.40W 0 4.6s,4.5
NEIC XI 13 16 02 08.3–.82 56.92S 140.80W 10 4.8s,4.7b
BJI XI 13 16 02 09.1 57.00S 140.50W 10 5.5b,5.4s
GCMT XI 13 16 02 13.0 57.09S 141.06W 20 5.5W,5.4s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.3km s-min=9.8km az=169.8.
IDC Error ellipse: s-maj=39.5km s-min=25.9km az=175.0.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=20.6km az=210.0.
GCMT Event type se. Data Used: II IU G IC CN. Surface waves: sta= 93, comp=157, per= 50. Moment Tensor Solution. s81,c126; s34,c35; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.03 $M_{\theta\theta}$1.36±.03; $M_{\phi\phi}$-1.20±.03; $M_{r\theta}$0.15±.05; $M_{\theta\phi}$1.33±.03; $M_{\phi r}$0.00±.05; Best double couple: NP1:ϕ_s22.00000°,δ86.00000°,λ179.00000°. NP2:ϕ_s112.00000°,δ89.00000°,λ4.00000°. Principal axes: T 1.9400,Plg4.0000°,Azm337.0000°; N -0.1700,Plg86.0000°,Azm127.0000° ; P -1.7700,Plg2.0000°,Azm247.0000° M_o1.90000×10^{17}

ISC XI 13 16 32 09.4–.81 57.0S–.10 141.1W–.30 10 4.1s,4.1b 15 28-152
ISCJB XI 13 16 32 07.5–.79 57.0S–.10 141.2W–.30 10 4.1s,4.1b **¶11490433**
IDC XI 13 16 32 08.7–1.0 56.71S 141.37W 0 4.1s,4.1
NEIC XI 13 16 32 10.1–.94 56.85S 141.27W 10 4.4b,4.1
GCMT XI 13 16 32 15.0–.30 57.19S 140.85W 24–2 5.0W,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=15.1km az=142.5.
IDC Error ellipse: s-maj=42.1km s-min=29.5km az=177.0.
NEIC Event type se. Error ellipse: s-maj=32.6km s-min=23.8km az=200.0.
GCMT Event type se. Data Used: IU G II IC. Moment Tensor Solution. s23,c29; s64,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}0.32±.26 $M_{\theta\theta}$2.66±.24; $M_{\phi\phi}$-2.98±.22; $M_{r\theta}$0.15±.28; $M_{\theta\phi}$2.75±.14; $M_{\phi r}$0.81±.27; Best double couple: NP1:ϕ_s113.00000°,δ79.00000°,λ-1.00000°. NP2:ϕ_s203.00000°,δ89.00000°,λ-169.00000°. Principal axes: T 3.8400,Plg7.0000° ,Azm337.0000°; N 0.3700,Plg79.0000°,Azm208.0000°; P -4.2100,Plg9.0000°,Azm68.0000° M_o4.00000×10^{16}

ISC XI 13 18 12 56.1–.40 56.99S–.07 141.0W–.10 10 4.8b,4.6s 44 28-171
ISCJB XI 13 18 12 54.2–.40 57.04S–.07 141.0W–.10 10 4.8b,4.6s **¶11490434**
IDC XI 13 18 12 54.0–.55 56.75S 140.97W 0 4.8,4.7
NEIC XI 13 18 12 55.9–.32 56.90S 141.00W 10 5.1b,4.7
GCMT XI 13 18 12 59.9–.10 57.13S 140.84W 19–0 5.3W,4.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.9km az=43.7.
IDC Error ellipse: s-maj=28.3km s-min=14.7km az=6.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.5km az=187.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s75,c124; s96,c151; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s21.00000°,δ83.00000°,λ176.00000°. NP2:ϕ_s111.00000° ,δ86.00000°,λ7.00000°. Principal axes: T 1.3500,Plg8.0000°,Azm336.0000° ; N -0.1100,Plg82.0000°,Azm141.0000°; P -1.2400,Plg2.0000°,Azm246.0000° M_o1.30000×10^{17}

ISC XI 21 22 35 00.9–.47 55.10S–.07 129.6W–.20 10 4.9s,4.5b 34 32-168
ISCJB XI 21 22 34 59.1–.47 55.13S–.07 129.5W–.20 10 4.9s,4.5b **¶12074448**
IDC XI 21 22 35 00.1–.51 55.06S 129.48W 0 4.8s,4.8
NEIC XI 21 22 35 01.5–.41 55.03S 129.57W 10 5.0s,4.8b
GCMT XI 21 22 35 06.1–.10 55.22S 129.49W 24–0 5.6W,4.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=9.9km az=160.8.
IDC Error ellipse: s-maj=24.6km s-min=16.2km az=161.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=12.5km az=147.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=104, comp=190, per= 50. Moment Tensor Solution. s90,c151; s40,c40; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.25±.04 $M_{\theta\theta}$1.95±.05; $M_{\phi\phi}$-1.70±.04; $M_{r\theta}$0.17±.10; $M_{\theta\phi}$2.20±.04; $M_{\phi r}$0.06±.10; Best double couple: NP1:ϕ_s20.00000°,δ87.00000°,λ178.00000°. NP2:ϕ_s110.00000°,δ88.00000°,λ3.00000°. Principal axes: T 2.9900,Plg3.0000°,Azm335.0000°; N -0.2600,Plg87.0000°,Azm148.0000° ; P -2.7300,Plg0.0000°,Azm245.0000° M_o2.90000×10^{17}

ISC XI 21 22 42 37.4–.48 55.0S–.10 129.5W–.20 10 4.3s,4.3b 36 32-168

ISCJB XI 21 22 42 35.6–.48 55.1S–.10 129.4W–.20 10 4.3b,4.3s ¶12074452
IDC XI 21 22 42 36.2–.47 54.88S 129.52W 0 4.4,4.3
NEIC XI 21 22 42 37.6–.34 54.87S 129.56W 10 4.4,4.3
GCMT XI 21 22 42 42.2–.20 55.19S 129.59W 18–1 5.2W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=13.1km az=169.8.
IDC Error ellipse: s-maj=19.0km s-min=14.7km az=162.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=11.1km az=156.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s23,c30; s77,c118; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.17±.28 $M_{\theta\theta}$5.08±.28; $M_{\phi\phi}$-3.92±.25; $M_{r\theta}$-0.24±.55; $M_{\theta\phi}$5.26±.20; $M_{\theta r}$0.85±.56; Best double couple: NP1:ϕ_s110.00000°,δ83.00000°,λ-6.00000°. NP2:ϕ_s201.00000°,δ84.00000°,λ-173.00000°. Principal axes: T 7.5000,Plg1.0000° ,Azm335.0000°; N -1.0300,Plg81.0000°,Azm240.0000°; P -6.4900,Plg9.0000°,Azm65.0000° M_o7.00000×10^{16}
IDC XI 21 22 46 50.4–1.1 54.80S 129.55W 0 4.0,3.8b
¶12074453
IDC Error ellipse: s-maj=37.2km s-min=28.2km az=151.0.
ISC XI 22 10 43 54.0–.87 56.5S–.20 144.1W–.20 10 4.3b,4.0s 25 28-160
ISCJB XI 22 10 43 52.0–.87 56.6S–.20 144.1W–.20 10 4.3b,4.0s ¶12074491
IDC XI 22 10 43 52.5–.74 56.29S 144.21W 0 4.4,4.2
NEIC XI 22 10 43 54.1–.55 56.27S 144.25W 10 4.6b,4.2
GCMT XI 22 10 43 56.2 56.40S 143.36W 19 5.0W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.3km s-min=15.4km az=22.8.
IDC Error ellipse: s-maj=28.6km s-min=20.2km az=20.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=15.0km az=4.0.
GCMT Event type se. Data Used: II IC IU G. Moment Tensor Solution. s22,c25; s60,c81; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.58±.20 $M_{\theta\theta}$3.06±.19; $M_{\phi\phi}$-2.49±.15; $M_{r\theta}$0.25±.33; $M_{\theta\phi}$2.25±.12; $M_{\theta r}$0.64±.32; Best double couple: NP1:ϕ_s115.00000°,δ78.00000°,λ-3.00000°. NP2:ϕ_s206.00000°,δ87.00000°,λ-168.00000°. Principal axes: T 3.9000,Plg6.0000° ,Azm340.0000°; N -0.5200,Plg78.0000°,Azm222.0000°; P -3.3800,Plg11.0000° ,Azm71.0000° M_o3.60000×10^{16}
ISC XI 26 10 14 35.5–1.1 54.5S–.10 136.2W–.40 10 4.3s,4.1b 14 31-127
ISCJB XI 26 10 14 33.8–1.1 54.5S–.10 136.3W–.40 10 4.3s,4.1b ¶11513191
IDC XI 26 10 14 33.1–1.1 54.30S 136.17W 0 4.3,4.2s
NEIC XI 26 10 14 34.3–.67 54.30S 136.10W 10 4.5b,4.2s
GCMT XI 26 10 14 40.5–.20 54.59S 135.85W 20–1 5.1W,4.2s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=31.5km s-min=15.9km az=175.8.
IDC Error ellipse: s-maj=38.4km s-min=34.1km az=149.0.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=21.2km az=146.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s41,c52; s79,c112; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.46±.19 $M_{\theta\theta}$3.26±.20; $M_{\phi\phi}$-2.80±.16; $M_{r\theta}$1.35±.36; $M_{\theta\phi}$3.72±.14; $M_{\theta r}$0.79±.31; Best double couple: NP1:ϕ_s111.00000°,δ78.00000°,λ9.00000°. NP2:ϕ_s19.00000°,δ81.00000°,λ168.00000°. Principal axes: T 5.4400,Plg15.0000° ,Azm334.0000°; N -0.8700,Plg75.0000°,Azm162.0000°; P -4.5700,Plg2.0000°,Azm65.0000° M_o5.00000×10^{16}
IDC XI 30 20 10 34.5–4.8 55.87S 142.44W 0 4.1,3.9b
¶11653359
IDC Error ellipse: s-maj=355.0km s-min=54.5km az=157.0.
ISC XII 01 04 52 10.5–5.4 64.2S–.10 169.2W–.30 15–31 4.8s,4.6b 31 16-152
ISCJB XII 01 04 52 06.4–4.6 64.1S–.10 169.2W–.30 2–26 4.8s,4.6b ¶11653363
IDC XII 01 04 52 07.5–.80 64.09S 169.29W 0 4.8s,4.8
NEIC XII 01 04 52 08.9–.45 64.11S 169.06W 10 4.8b,4.8
GCMT XII 01 04 52 11.6–.20 64.17S 169.46W 12 5.3W,4.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.4km s-min=14.0km az=42.4.
IDC Error ellipse: s-maj=39.6km s-min=20.9km az=37.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.5km az=52.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s64,c93; s90,c154; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\theta r}$0.00 Best double couple: NP1:ϕ_s252.00000°,δ60.00000°,λ10.00000°. NP2:ϕ_s157.00000° ,δ81.00000°,λ149.00000°. Principal axes: T 1.1200,Plg28.0000°,Azm111.0000° ; N -0.2300,Plg58.0000°,Azm323.0000°; P -0.8900,Plg15.0000°,Azm208.0000° M_o1.00000×10^{17}
ISC XII 09 13 16 32.5–.62 55.3S–.10 127.2W–.20 10 4.3s,4.2b 22 32-161
ISCJB XII 09 13 16 30.9–.63 55.3S–.10 127.1W–.20 10 4.3s,4.2b ¶11653419
IDC XII 09 13 16 30.7–.64 55.08S 127.34W 0 4.4,4.3
NEIC XII 09 13 16 32.0–.39 55.09S 127.29W 10 4.8b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=14.7km az=179.0.
IDC Error ellipse: s-maj=26.6km s-min=18.0km az=168.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=10.8km az=174.0.
ISC XII 09 14 38 59.6–.80 54.9S–.20 127.4W–.30 10 4.0b,3.6s 13 32-161
ISCJB XII 09 14 38 57.8–.80 55.0S–.20 127.3W–.30 10 4.0b,3.6s ¶11653421
IDC XII 09 14 38 57.8–.83 54.96S 127.25W 0 4.2,4.0
NEIC XII 09 14 38 59.2–.48 54.97S 127.28W 10 4.6b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=33.3km s-min=22.0km az=145.1.
IDC Error ellipse: s-maj=37.2km s-min=26.2km az=147.0.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=15.7km az=145.0.
IDC XII 11 17 32 47.0–1.7 55.33S 128.27W 0 4.0s,4.0
¶12076962
IDC Error ellipse: s-maj=64.6km s-min=36.2km az=28.0.
ISC XII 11 21 10 09.2–.58 56.62S–.10 141.3W–.20 10 4.4s,4.2b 22 33-154
ISCJB XII 11 21 10 07.2–.58 56.62S–.10 141.4W–.20 10 4.4s,4.2b ¶11653449
IDC XII 11 21 10 07.5–.87 56.63S 141.35W 0 4.2,4.1
NEIC XII 11 21 10 08.9–.52 56.66S 141.32W 10 4.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=12.5km az=151.4.
IDC Error ellipse: s-maj=33.7km s-min=22.3km az=17.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=14.8km az=25.0.

(692) Southern Pacific Ocean.

ISC IX 29 06 39 45.2–.57 48.45S–.07 87.2W–.20 10 4.0b,3.7s 21 14-150
ISCJB IX 29 06 39 43.6–.57 48.44S–.08 87.2W–.20 10 4.0b,3.7s ¶11911322
IDC IX 29 06 39 43.3–.74 48.37S 87.31W 0 4.1,4.0b
NEIC IX 29 06 39 44.8–.43 48.41S 87.33W 10 4.3b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.9km s-min=10.8km az=1.5.
IDC Error ellipse: s-maj=30.7km s-min=18.0km az=101.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=10.7km az=118.0.
ISC XI 03 09 08 24.8–.62 48.40S–.09 87.1W–.20 10 4.0b,3.9s 27 14-173
IDC XI 03 09 08 22.6–.65 48.38S 87.19W 0 4.1,4.1 ¶12072099
ISCJB XI 03 09 08 23.1–.62 48.40S–.09 87.0W–.20 10 4.0b,3.9s
NEIC XI 03 09 08 24.1–.41 48.38S 87.17W 10 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=16.2km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=18.7km s-min=11.5km az=22.8.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.3km az=120.0.
IDC XII 22 04 19 59.3–1.0 48.41S 87.15W 0 4.2,4.0
¶12078517
IDC Error ellipse: s-maj=42.9km s-min=26.7km az=94.0.

(756) Southeast of Easter Island.

ISC VII 09 14 17 17.6–.89 36.2S–.10 101.2W–.20 10 4.1b,4.0s 15 11-155
ISCJB VII 09 14 17 15.5–.90 36.2S–.10 101.3W–.20 10 4.1b,4.0s ¶11136598
IDC VII 09 14 17 15.0–.90 36.22S 101.35W 0 4.5,4.3
NEIC VII 09 14 17 16.6–.83 36.12S 101.37W 10 4.6b,4.3
GCMT VII 09 14 17 19.4–.30 36.15S 101.26W 23–1 4.9W,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=18.0km az=137.0.
IDC Error ellipse: s-maj=24.0km s-min=22.5km az=46.0.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=21.1km az=224.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s34,c43; s64,c88; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.38±.15 $M_{\theta\theta}$-0.36±.13; $M_{\phi\phi}$0.74±.13; $M_{r\theta}$0.41±.19; $M_{\theta\phi}$-3.13±.12; $M_{\theta r}$0.20±.18; Best double couple: NP1:ϕ_s185.00000°,δ82.00000°,λ-6.00000°. NP2:ϕ_s275.00000°,δ85.00000°,λ-172.00000°. Principal axes: T 3.3700,Plg2.0000° ,Azm50.0000°; N -0.3100,Plg80.0000°,Azm310.0000°; P -3.0600,Plg9.0000°,Azm140.0000° M_o3.20000×10^{16}
ISC VII 20 20 04 57.9–.75 41.1S–.10 91.6W–.20 10 3.9b,3.3s 16 16-85
IDC VII 20 20 04 55.8–.94 41.05S 91.73W 0 4.1,4.1 ¶11812204
ISCJB VII 20 20 04 56.2–.74 41.1S–.10 91.6W–.20 10 3.9b,3.3s
NEIC VII 20 20 04 57.7–.68 41.07S 91.64W 10 4.3b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=22.2km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=17.5km az=175.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=16.2km az=83.0.
ISC VIII 17 22 27 03.3–1.1 35.6S–.20 104.9W–.30 10 4.2s,4.0b 8 30-154
ISCJB VIII 17 22 27 01.0–1.1 35.7S–.20 104.9W–.30 10 4.2s,4.0b ¶11908376
IDC VIII 17 22 27 02.2–2.4 35.47S 105.03W 0 4.1s,4.1
NEIC VIII 17 22 27 03.1–.76 35.64S 104.87W 10 4.4b,4.1
GCMT VIII 17 22 27 07.4–.40 35.51S 105.10W 18–1 4.9W,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.6km s-min=24.3km az=4.9.
IDC Error ellipse: s-maj=70.8km s-min=42.2km az=9.0.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=20.4km az=108.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s19,c21; s65,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.50±.16 $M_{\theta\theta}$-0.56±.14; $M_{\phi\phi}$1.07±.14; $M_{r\theta}$-0.28±.33; $M_{\theta\phi}$-2.89±.12; $M_{\theta r}$-0.39±.31; Best double couple: NP1:ϕ_s98.00000°,δ81.00000°,λ-174.00000°. NP2:ϕ_s7.00000°,δ84.00000°,λ-9.00000°. Principal axes: T 3.2600,Plg2.0000°,Azm53.0000° ; N -0.4200,Plg79.0000°,Azm154.0000°; P -2.8400,Plg11.0000°,Azm323.0000° M_o3.10000×10^{16}
ISC IX 02 20 31 56.2–.68 36.1S–.10 101.5W–.20 10 4.3b,3.9s 16 11-156
ISCJB IX 02 20 31 54.1–.68 36.2S–.10 101.6W–.20 10 4.3b,3.9s ¶11909310
IDC IX 02 20 31 54.5–.78 36.09S 101.49W 0 4.4,4.2
NEIC IX 02 20 31 55.8–.50 36.11S 101.41W 10 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.6km s-min=15.7km az=167.9.
IDC Error ellipse: s-maj=24.5km s-min=23.3km az=66.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=13.9km az=85.0.
ISC IX 06 17 37 41.5–.39 35.66S–.06 104.0W–.10 10 4.5b,4.2s 60 10-161
ISCJB IX 06 17 37 39.4–.38 35.68S–.06 104.0W–.10 10 4.5b,4.2s ¶11279449
IDC IX 06 17 37 40.6–.67 35.57S 103.93W 0 4.6L,4.4
NEIC IX 06 17 37 41.5–.30 35.60S 103.96W 10 4.7b,4.4
GCMT IX 06 17 37 45.0–.20 35.69S 103.97W 19–1 5.1W,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=8.1km az=152.5.
IDC Error ellipse: s-maj=21.0km s-min=16.7km az=57.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.4km az=58.0.
GCMT Event type se. Data Used: II IU IC CN. Moment Tensor Solution. s52,c73; s81,c135; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.02±.15 $M_{\theta\theta}$-1.41±.13; $M_{\phi\phi}$2.44±.13; $M_{r\theta}$0.07±.26; $M_{\theta\phi}$-5.67±.13; $M_{\theta r}$-0.92±.26; Best double couple: NP1:ϕ_s99.00000°,δ81.00000°,λ-180.00000°. NP2:ϕ_s9.00000°,δ90.00000°,λ-9.00000°. Principal axes: T 6.5900,Plg6.0000°,Azm55.0000° ; N -1.0500,Plg81.0000°,Azm188.0000°; P -5.5200,Plg6.0000°,Azm324.0000° M_o6.10000×10^{16}
ISC IX 14 15 35 22.5–.40 39.12S–.08 92.3W–.10 10 4.5b,3.9s 151 17-171
IDC IX 14 15 35 19.9–.67 39.06S 92.42W 0 4.4,4.3 ¶11910271
ISCJB IX 14 15 35 20.7–.40 39.11S–.08 92.2W–.10 10 4.5b,3.9s
NEIC IX 14 15 35 21.7–.42 38.99S 92.50W 10 4.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=18.7km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=10.0km az=143.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.2km az=215.0.
ISC IX 28 15 34 15.8–.99 35.6S–.20 100.9W–.20 10 4.5b,4.2s 222 11-161
IDC IX 28 15 34 10.4–1.0 35.98S 101.34W 0 4.5,4.3 ¶11313822
NEIC IX 28 15 34 12.3–.68 35.95S 101.21W 10 4.7b,4.3
GCMT IX 28 15 34 13.5–.20 36.19S 101.22W 17–1 5.0W,4.3
ISCJB IX 28 15 34 15.2–1.0 35.4S–.20 100.8W–.20 10 4.5b,4.2s
ISC Event type se.
NEIC Event type se.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s40,c54; s86,c128; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.45±.12 $M_{\theta\theta}$-0.73±.11; $M_{\phi\phi}$1.18±.10; $M_{r\theta}$-0.48±.28; $M_{\theta\phi}$-3.93±.11; $M_{\theta r}$-0.90±.28; Best double couple: NP1:ϕ_s96.00000°,δ80.00000°,λ174.00000°. NP2:ϕ_s187.00000°,δ84.00000°,λ10.00000°. Principal axes: T 4.4800,Plg12.0000° ,Azm52.0000°; N -0.6500,Plg78.0000°,Azm216.0000°; P -3.8300,Plg3.0000°,Azm321.0000° M_o4.20000×10^{16}
ISCJB Event type se.
ISC X 08 11 51 47.3–.37 37.15S–.07 95.9W–.10 10 4.6b,4.5s 55 15-173
IDC X 08 11 51 43.7–.70 37.17S 96.36W 0 4.5s,4.5 ¶11339744
GCMT X 08 11 51 45.8–.10 37.03S 96.31W 13–1 5.2W,4.5
ISCJB X 08 11 51 45.3–.37 37.17S–.07 95.9W–.10 10 4.6b,4.5s
NEIC X 08 11 51 46.5–.44 37.21S 95.97W 10 4.9b,4.5s
BJI X 08 11 51 46.0 36.66S 96.60W 10 5.4b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=18.9km az=90.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s72,c116; s95,c166; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.48±.14 $M_{\theta\theta}$0.55±.14; $M_{\phi\phi}$0.94±.15; $M_{r\theta}$1.02±.33; $M_{\theta\phi}$-9.08±.16; $M_{\theta r}$-0.92±.33; Best double couple: NP1:ϕ_s181.00000°,δ85.00000°,λ4.00000°. NP2:ϕ_s90.00000°,δ86.00000°,λ175.00000°. Principal axes: T 9.9900,Plg7.0000° ,Azm46.0000°; N -1.6400,Plg83.0000°,Azm232.0000°; P -8.3400,Plg1.0000°,Azm136.0000° M_o9.20000×10^{16}
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=8.8km az=157.3.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=11.2km az=66.0.
ISC X 24 09 37 57.6–.76 41.2S–.10 91.4W–.20 10 4.0b,3.6s 17 16-85
ISCJB X 24 09 37 55.8–.76 41.2S–.10 91.4W–.20 10 4.0b,3.6s ¶11390991
IDC X 24 09 37 56.1–1.1 41.16S 91.53W 0 4.3,4.2L
NEIC X 24 09 37 57.9–.83 41.12S 91.36W 10 4.4b,4.2L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.0km s-min=15.3km az=168.7.
IDC Error ellipse: s-maj=32.4km s-min=27.6km az=88.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=16.2km az=195.0.
IDC XI 05 08 05 49.4–20 36.52S 103.95W 0 4.5,4.0
¶12072358
IDC Error ellipse: s-maj=608.5km s-min=287.9km az=137.0.
ISC XI 15 05 38 54.9–.72 36.5S–.10 100.0W–.20 10 3.9b,3.6s 19 12-97
ISCJB XI 15 05 38 52.9–.73 36.5S–.10 100.0W–.20 10 3.9b,3.6s ¶12073596
IDC XI 15 05 38 52.9–1.3 36.46S 100.05W 0 4.1,4.0
NEIC XI 15 05 38 55.1–.66 36.38S 99.98W 10 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.9km s-min=15.0km az=4.6.
IDC Error ellipse: s-maj=36.4km s-min=27.2km az=61.0.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=15.9km az=96.0.
ISC XI 22 05 08 14.3–.71 41.2S–.10 91.7W–.20 10 3.5b,3.1s 9 16-85
IDC XI 22 05 08 11.4–7.4 41.33S 91.78W 0 4.3,4.0 ¶12074475
ISCJB XI 22 05 08 12.6–.71 41.2S–.10 91.6W–.20 10 3.5b,3.1s
ISC XI 22 20 55 44.9–.67 37.4S–.10 95.1W–.20 10 4.0b 18 19-161
ISCJB XI 22 20 55 42.7–.66 37.4S–.10 95.1W–.20 10 4.0b ¶12074536
IDC XI 22 20 55 42.8–.97 37.21S 95.09W 0 4.3,4.0
NEIC XI 22 20 55 44.3–.75 37.36S 95.14W 10 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.8km s-min=15.4km az=41.7.
IDC Error ellipse: s-maj=30.3km s-min=26.4km az=110.0.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=18.6km az=138.0.
ISC XI 22 23 06 48.4–.20 37.20S–.04 95.16W–.06 10 5.5b,5.3s 266 16-173
IDC XI 22 23 06 46.0–.37 37.11S 95.30W 0 5.2,5.2 ¶11473232
MOS XI 22 23 06 46.9–.98 37.10S 95.17W 10 5.7b,5.2s
ISCJB XI 22 23 06 46.6–.20 37.19S–.04 95.15W–.06 10 5.5b,5.3s
BJI XI 22 23 06 47.9 37.20S 94.90W 10 5.6s,5.6b
NEIC XI 22 23 06 47.8–.18 37.24S 95.07W 10 5.7W,5.6b
GCMT XI 22 23 06 49.8–.10 37.15S 95.29W 12 5.7W,5.6b
ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=11.8km az=94.0.
MOS Error ellipse: s-maj=16.5km s-min=7.1km az=92.8.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.4km az=151.8.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.7km az=79.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=106, comp=231, per= 50. Moment Tensor Solution. s92,c178; s57,c65; Moment tensor: Scale 10^{17}Nm; M_{rr}-3.87±.04 $M_{\theta\theta}$-0.10±.04; $M_{\phi\phi}$3.97±.04; $M_{r\theta}$0.42±.11; $M_{\theta\phi}$-1.22±.04; $M_{\theta r}$-0.49±.11; Best double couple: NP1:ϕ_s169.00000°,δ41.00000°,λ-83.00000°. NP2:ϕ_s340.00000°,δ49.00000°,λ-96.00000°. Principal axes: T 4.3500,Plg4.0000°,Azm74.0000°; N -0.4200,Plg5.0000°,Azm344.0000° ; P -3.9300,Plg84.0000°,Azm206.0000° M_o4.10000×10^{17}

IDC XI 22 23 52 44.6–1.2 37.18S 95.13W 0 4.1,3.9
¶12074544
IDC Error ellipse: s-maj=51.1km s-min=29.4km az=89.0.
IDC XI 29 01 57 52.1–8.4 37.18S 97.40W 0 4.1,3.9
¶12075211
IDC Error ellipse: s-maj=319.0km s-min=36.7km az=38.0.
ISC XII 10 16 31 01.3–.75 36.4S–.10 99.7W–.20 10 4.2b,4.0s 25 12-99
ISCJB XII 10 16 30 59.2–.75 36.4S–.10 99.7W–.20 10 4.2b,4.0s **¶12076769**
IDC XII 10 16 30 59.3–1.0 36.30S 99.75W 0 4.5,4.4
NEIC XII 10 16 31 01.4–.86 36.32S 99.56W 10 4.6b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=14.6km az=150.9.
IDC Error ellipse: s-maj=27.0km s-min=19.7km az=60.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=15.6km az=50.0.
ISC XII 20 13 32 15.9–.71 41.2S–.10 92.1W–.20 10 4.1b 19 16-86
IDC XII 20 13 32 14.0–.88 41.15S 92.03W 0 4.2,4.1 **¶12078333**
ISCJB XII 20 13 32 14.0–.71 41.2S–.10 92.1W–.20 10 4.1b,4.1
NEIC XII 20 13 32 15.6–.54 41.16S 92.11W 10 4.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=20.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=15.6km az=146.6.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=12.2km az=56.0.
IDC XII 30 17 33 05.1–14 37.02S 96.05W 0 4.0,3.9
¶12079570
IDC Error ellipse: s-maj=379.1km s-min=51.2km az=6.0.

SEISMIC REGION 44.
Galapagos Area.

(693) Eastcentral Pacific Ocean.
IDC VII 01 16 31 59.0–39 3.53N 95.83W 0 4.0,3.7
¶12697922
IDC Error ellipse: s-maj=703.8km s-min=243.5km az=146.0.
IDC VII 17 10 42 29.2–38 3.20N 95.16W 0 3.8,3.6
¶12698269
IDC Error ellipse: s-maj=670.3km s-min=255.4km az=147.0.

(694) Central East Pacific Rise.
ISC VIII 07 22 58 33.4–.28 9.21S–.04 109.44W–.05 10 5.1s,5.0b 642 18-160
ISCJB VIII 07 22 58 30.2–.34 9.36S–.04 109.47W–.05 10 5.1s,5.0b **¶11159962**
IDC VIII 07 22 58 31.3–.71 9.02S 109.56W 0 5.0s,5.0
MOS VIII 07 22 58 33.1–1.0 8.90S 109.25W 10 5.2b,5.1s
NEIC VIII 07 22 58 33.1–.21 9.14S 109.52W 10 5.5W,5.5W
BJI VIII 07 22 58 34.6 9.10S 109.50W 10 5.5s,5.4b
GCMT VIII 07 22 58 37.3–.10 9.12S 109.72W 19–0 5.6W,5.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=6.3km az=171.8.
IDC Error ellipse: s-maj=30.5km s-min=17.5km az=60.0.
MOS Error ellipse: s-maj=15.8km s-min=5.9km az=86.9.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=82.0. Moment Tensor Solution. s51 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-0.22 $M_{r\theta}$0.24 $M_{\theta\phi}$1.99 $M_{\phi r}$0.53 Best double couple: NP1:ϕ_s4.00000°,δ87.00000°,λ165.00000°. NP2:ϕ_s95.00000°,δ75.00000° ,λ4.00000°. Principal axes: T 2.2000,Plg12.0000°,Azm318.0000°; N -0.2200,Plg74.0000° ,Azm170.0000°; P -1.9800,Plg7.0000°,Azm50.0000° $M_0$2.10000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=108, comp=210, per= 50. Moment Tensor Solution. s83,c137; s51,c53; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10±.04 $M_{\theta\theta}$0.97±.04; $M_{\phi\phi}$-0.87±.04; $M_{r\theta}$0.11±.08; $M_{\theta\phi}$2.67±.03; $M_{\phi r}$0.06±.09; Best double couple: NP1:ϕ_s10.00000°,δ88.00000°,λ179.00000°. NP2:ϕ_s100.00000°,δ89.00000°,λ2.00000°. Principal axes: T 2.8800,Plg2.0000°,Azm325.0000°; N -0.1100,Plg88.0000°,Azm136.0000° ; P -2.7800,Plg0.0000°,Azm235.0000° $M_0$2.80000×10^{17}
ISC VIII 13 01 32 45.5–.50 13.50S–.07 111.33W–.09 10 5.3s,4.7b 289 14-160
ISCJB VIII 13 01 32 43.5–.50 13.46S–.07 111.35W–.09 10 5.3s,4.7b **¶11164814**
IDC VIII 13 01 32 44.6–.99 13.33S 111.27W 0 5.2s,5.2
NEIC VIII 13 01 32 45.7–.32 13.38S 111.28W 10 5.6W,5.3s
MOS VIII 13 01 32 45.2–1.2 13.14S 111.17W 10 5.2s,5.0b
BJI VIII 13 01 32 47.6 13.40S 111.30W 10 5.7s,5.5b
GCMT VIII 13 01 32 51.0–.10 13.52S 111.31W 16–0 5.7W,5.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=7.2km az=149.6.
IDC Error ellipse: s-maj=37.1km s-min=18.1km az=52.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.6km az=68.0. Moment Tensor Solution. s60 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14 $M_{\theta\theta}$1.09 $M_{\phi\phi}$-0.95 $M_{r\theta}$-0.30 $M_{\theta\phi}$3.18 $M_{\phi r}$-0.09 Best double couple: NP1:ϕ_s279.00000°,δ88.00000°,λ5.00000°. NP2:ϕ_s189.00000° ,δ85.00000°,λ178.00000°. Principal axes: T 3.4300,Plg4.0000°,Azm143.0000° ; N -0.1600,Plg84.0000°,Azm302.0000°; P -3.2700,Plg1.0000°,Azm53.0000° $M_0$3.40000×10^{17}
MOS Error ellipse: s-maj=20.9km s-min=8.6km az=88.6.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=106, comp=231, per= 50. Moment Tensor Solution. s92,c169; s65,c76; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.47±.05 $M_{\theta\theta}$2.05±.05; $M_{\phi\phi}$-1.57±.05; $M_{r\theta}$-1.03±.14; $M_{\theta\phi}$4.29±.04; $M_{\phi r}$0.28±.14; Best double couple: NP1:ϕ_s192.00000°,δ77.00000°,λ-177.00000°. NP2:ϕ_s101.00000°,δ87.00000°,λ-13.00000°. Principal axes: T 4.9900,Plg7.0000°,Azm147.0000°; N -0.4100,Plg76.0000°,Azm270.0000° ; P -4.5800,Plg11.0000°,Azm56.0000° $M_0$4.80000×10^{17}
IDC VIII 13 01 43 49.0–5.3 13.99S 111.06W 0 4.1,3.8
¶12581042
IDC Error ellipse: s-maj=237.9km s-min=93.0km az=108.0.
IDC VIII 31 12 31 18.6–7.0 4.64S 105.73W 0 3.9,3.8
¶12581596
IDC Error ellipse: s-maj=371.2km s-min=57.3km az=106.0.
ISC IX 18 01 41 01.9–.39 4.75S–.05 105.99W–.04 10 5.7s,5.4b 672 16-168
ISCJB IX 18 01 40 59.6–.41 4.80S–.05 105.98W–.04 10 5.7s,5.4b **¶12952091**
IDC IX 18 01 41 00.6–.62 4.56S 106.28W 0 5.7s,5.7
MOS IX 18 01 41 02.3–1.0 4.38S 105.89W 10 5.7s,5.5b
NEIC IX 18 01 41 03.0–.27 4.55S 106.00W 11 6.2,6.0W
BJI IX 18 01 41 04.8 4.60S 106.00W 10 6.0s,6.0
GCMT IX 18 01 41 06.9–.10 4.53S 105.98W 16–0 6.0W,6.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=5.2km az=12.6.
IDC Error ellipse: s-maj=20.1km s-min=13.0km az=51.0.
MOS Error ellipse: s-maj=12.4km s-min=5.3km az=92.1.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.7km az=46.0. Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism. Moment Tensor Solution. s67 Moment tensor: Scale 10^{17}Nm; M_{rr}1.71 $M_{\theta\theta}$1.93 $M_{\phi\phi}$-3.64 $M_{r\theta}$0.72 $M_{\theta\phi}$7.38 $M_{\phi r}$2.36 Best double couple: NP1:ϕ_s9.00000°,δ83.00000°,λ161.00000°. NP2: ϕ_s101.00000°,δ71.00000°,λ7.00000°. Principal axes: T 7.6800,Plg18.0000°,Azm323.0000° ; N 1.2900,Plg69.0000°,Azm169.0000°; P -8.9700,Plg8.0000°,Azm56.0000° $M_0$8.40000×10^{17} Moment Tensor Solution. $M_0$1.60000×10^{18}
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=115, comp=260, per= 50. Moment Tensor Solution. s104,c228; s89,c144; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.11±.01 $M_{\theta\theta}$0.49±.01; $M_{\phi\phi}$-0.38±.01; $M_{r\theta}$0.15±.03; $M_{\theta\phi}$1.22±.01; $M_{\phi r}$0.24±.03; Best double couple: NP1:ϕ_s100.00000°,δ79.00000°,λ3.00000°. NP2:ϕ_s10.00000°,δ87.00000°,λ169.00000°. Principal axes: T 1.4000,Plg10.0000°,Azm324.0000°; N -0.1400,Plg79.0000°,Azm174.0000° ; P -1.2500,Plg6.0000°,Azm55.0000° $M_0$1.30000×10^{18}
ISC IX 18 02 02 44.0–.48 4.69S–.06 106.10W–.10 10 4.7b,4.6s 185 25-152
IDC IX 18 02 02 41.7–1.0 4.64S 106.18W 0 4.6s,4.6 **¶11302772**
ISCJB IX 18 02 02 42.1–.48 4.70S–.06 106.12W–.09 10 4.7b,4.6s
NEIC IX 18 02 02 43.7–.32 4.65S 106.11W 10 4.8b,4.6s
GCMT IX 18 02 02 45.7–.40 4.46S 106.12W 12 5.2W,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=15.9km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=7.9km az=155.9.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.8km az=66.0.
GCMT Event type se. Data Used: IU II CN IC G. Moment Tensor Solution. s17,c20; s80,c121; Moment tensor: Scale 10^{16}Nm; M_{rr}0.63±.25 $M_{\theta\theta}$2.01±.23; $M_{\phi\phi}$-2.64±.23; $M_{r\theta}$4.15±.66; $M_{\theta\phi}$6.13±.16; $M_{\phi r}$-1.30±.66; Best double couple: NP1:ϕ_s11.00000°,δ56.00000°,λ179.00000°. NP2:ϕ_s102.00000°,δ89.00000°,λ34.00000°. Principal axes: T 7.4400,Plg24.0000° ,Azm332.0000°; N 0.8300,Plg56.0000°,Azm103.0000°; P -8.2700,Plg22.0000° ,Azm231.0000° $M_0$7.90000×10^{16}
ISC IX 24 22 03 45.3–.39 3.78S–.05 102.89W–.06 10 4.7b,4.0s 287 13-154
IDC IX 24 22 03 42.4–.60 3.77S 103.03W 0 4.7,4.5 **¶11302920**
ISCJB IX 24 22 03 43.2–.37 3.81S–.05 102.91W–.06 10 4.7b,4.0s
NEIC IX 24 22 03 44.6–.26 3.77S 102.95W 10 4.8b,4.0s
BJI IX 24 22 03 45.6 3.80S 102.90W 10 5.4s,5.4b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=14.5km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.7km az=145.1.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.8km az=61.0.
IDC X 21 00 37 28.1–1.6 4.36S 105.77W 0 4.1,4.1
¶11390978
IDC Error ellipse: s-maj=63.0km s-min=18.8km az=59.0.
ISC X 28 20 42 42.7–.38 9.19S–.05 108.36W–.07 10 4.8b,4.7s 374 18-152
ISCJB X 28 20 42 40.5–.40 9.19S–.05 108.38W–.07 10 4.8b,4.7s **¶11374838**
IDC X 28 20 42 41.1–.96 9.01S 108.42W 0 4.6s,4.6
NEIC X 28 20 42 42.9–.28 8.99S 108.28W 10 4.9b,4.6
BJI X 28 20 42 44.0 9.00S 108.20W 10 5.7s,5.3
GCMT X 28 20 42 46.3–.10 8.99S 108.32W 17–0 5.3W,5.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.7km az=153.2.
IDC Error ellipse: s-maj=34.7km s-min=15.4km az=56.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.5km az=70.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 102 sta. Moment Tensor Solution. s71,c112; s99,c182; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s260.00000°,δ74.00000°,λ2.00000°. NP2:ϕ_s169.00000°,δ88.00000°,λ163.00000°. Principal axes: T 0.9700,Plg13.0000° ,Azm123.0000°; N 0.0600,Plg73.0000°,Azm344.0000°; P -1.0300,Plg10.0000° ,Azm216.0000° $M_0$1.00000×10^{17}
ISC X 29 01 35 58.4–.36 9.04S–.05 108.44W–.06 10 5.3s,5.0b 428 18-164
ISCJB X 29 01 35 56.2–.40 9.05S–.05 108.48W–.06 10 5.3s,5.0b **¶11378588**
IDC X 29 01 35 57.6–.69 8.88S 108.41W 0 5.3s,5.3
NEIC X 29 01 35 59.0–.28 8.90S 108.40W 10 5.6W,5.3s
GCMT X 29 01 36 02.9–.10 8.96S 108.33W 20–0 5.7W,5.3s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.4km az=147.7.
IDC Error ellipse: s-maj=24.5km s-min=15.5km az=60.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=5.7km az=73.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=119, comp=253, per= 50. Moment Tensor Solution. s81,c140; s52,c57; Moment tensor: Scale 10^{17}Nm; M_{rr}0.42±.07 $M_{\theta\theta}$-0.36±.06; $M_{\phi\phi}$-0.06±.07; $M_{r\theta}$0.08±.14; $M_{\theta\phi}$4.91±.06; $M_{\phi r}$-0.42±.14; Best double couple: NP1:ϕ_s269.00000°,δ85.00000°,λ0.00000°. NP2:ϕ_s359.00000°,δ90.00000°,λ-175.00000°. Principal axes: T 4.7200,Plg3.0000°,Azm134.0000°; N 0.4200,Plg85.0000°,Azm1.0000° ; P -5.1400,Plg4.0000°,Azm224.0000° $M_0$4.90000×10^{17}
ISC X 29 10 10 08.7–.90 8.8S–.10 107.5W–.30 10 4.0b,3.8s 19 18-153
IDC X 29 10 10 05.7–1.3 8.97S 108.18W 0 4.1,4.0 **¶12071449**
ISCJB X 29 10 10 06.9–.91 8.7S–.10 107.5W–.30 10 4.0b,3.8s
NEIC X 29 10 10 08.0–.87 8.80S 107.54W 10 4.3b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=74.3km s-min=24.8km az=70.0.
ISCJB Event type se. Error ellipse: s-maj=41.6km s-min=14.4km az=156.2.
NEIC Event type se. Error ellipse: s-maj=41.2km s-min=16.2km az=67.0.
IDC X 30 07 34 02.6–3.0 4.26S 103.11W 0 4.1,3.9
¶12071601
IDC Error ellipse: s-maj=113.9km s-min=30.1km az=50.0.
ISC X 30 15 15 40.7–.27 9.19S–.04 108.23W–.04 10 5.8s,5.3b 715 18-169
ISCJB X 30 15 15 38.6–.27 9.20S–.04 108.26W–.04 10 5.8s,5.3b **¶11379118**
IDC X 30 15 15 40.3–.52 9.00S 108.29W 0 5.7s,5.7
MOS X 30 15 15 40.8–1.2 8.79S 108.04W 10 5.7s,5.6b
NEIC X 30 15 15 41.1–.24 9.02S 108.25W 10 6.0W,5.8s
BJI X 30 15 15 42.4 8.02S 108.73W 10 6.2s,6.0
GCMT X 30 15 15 46.4–.10 9.08S 108.30W 18–0 6.1W,6.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.6km az=148.4.
IDC Error ellipse: s-maj=17.2km s-min=12.1km az=78.0.
MOS Error ellipse: s-maj=14.1km s-min=5.5km az=90.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.0km az=65.0.
GCMT Event type se. Data Used: II IU CN IC G. Surface waves: sta=119, comp=277, per= 50. Moment Tensor Solution. s110,c233; s92,c141; Moment tensor: Scale 10^{18}Nm; M_{rr}0.05±.01 $M_{\theta\theta}$-0.10±.01; $M_{\phi\phi}$0.05±.01; $M_{r\theta}$-0.14±.03; $M_{\theta\phi}$1.50±.01; $M_{\phi r}$-0.02±.03; Best double couple: NP1:ϕ_s179.00000°,δ85.00000°,λ179.00000°. NP2:ϕ_s269.00000°,δ89.00000°,λ5.00000°. Principal axes: T 1.4900,Plg4.0000°,Azm134.0000°; N 0.0400,Plg85.0000°,Azm277.0000° ; P -1.5300,Plg3.0000°,Azm43.0000° $M_0$1.50000×10^{18}
ISC XI 01 21 06 51.1–1.2 4.9S–.20 106.1W–.20 10 4.0b,3.8s 18 24-152
ISCJB XI 01 21 06 49.0–1.2 4.9S–.20 106.1W–.20 10 4.0b,3.8s **¶11451566**
IDC XI 01 21 06 49.9–1.2 4.83S 105.92W 0 4.2,4.1
NEIC XI 01 21 06 51.5–.91 4.85S 105.98W 10 4.3b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=36.7km s-min=15.4km az=150.6.
IDC Error ellipse: s-maj=50.3km s-min=20.9km az=64.0.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=14.6km az=62.0.
IDC XI 13 09 26 13.1–10 5.21S 104.56W 0 3.9s,3.9
¶12073405
IDC Error ellipse: s-maj=299.2km s-min=123.3km az=118.0.
IDC XI 20 09 55 23.2–8.0 5.25S 105.62W 0 4.2,3.9
¶12074249
IDC Error ellipse: s-maj=177.2km s-min=125.3km az=144.0.
IDC XI 21 07 02 39.1–5.1 4.88S 106.05W 0 4.0,3.8
¶12074378
IDC Error ellipse: s-maj=305.9km s-min=61.2km az=97.0.
IDC XI 24 23 54 38.9–3.2 7.27S 108.13W 0 4.1,3.9
¶12074745
IDC Error ellipse: s-maj=166.0km s-min=47.9km az=104.0.
IDC XII 01 12 53 02.1–1.4 7.20S 107.96W 0 4.3,4.1
¶11653365
IDC Error ellipse: s-maj=129.5km s-min=27.8km az=92.0.
ISC XII 07 02 00 51.6–2.3 5.5S–.30 105.3W–.30 10 4.2b,3.6s 36 25-77
ISCJB XII 07 02 00 49.2–2.4 5.6S–.30 105.4W–.30 10 4.2b,3.6s **¶11493355**
IDC XII 07 02 00 49.5–7.6 5.41S 104.92W 0 4.2,4.0
BJI XII 07 02 00 51.4 5.50S 105.30W 10 5.1s,4.9
NEIC XII 07 02 00 51.4–1.6 5.49S 105.32W 10 4.4b,4.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=65.8km s-min=19.8km az=136.5.
IDC Error ellipse: s-maj=224.9km s-min=109.4km az=117.0.
NEIC Event type se. Error ellipse: s-maj=45.1km s-min=13.9km az=47.0.
IDC XII 07 07 35 35.9–3.4 5.40S 106.09W 0 4.0,3.9
¶12076133
IDC Error ellipse: s-maj=186.4km s-min=61.6km az=97.0.
ISC XII 07 08 53 22.3–.54 4.64S–.07 106.26W–.08 10 4.4s,4.4b 78 23-152
IDC XII 07 08 53 16.6–1.2 5.06S 106.95W 0 4.4s,4.4 **¶11493377**
BJI XII 07 08 53 18.3 5.10S 106.20W 10 5.2b,5.1s
ISCJB XII 07 08 53 20.6–.55 4.61S–.07 106.23W–.08 10 4.4s,4.4b
NEIC XII 07 08 53 21.8–.66 4.67S 106.29W 10 4.6b,4.4b
GCMT XII 07 08 53 26.3–.20 4.46S 106.11W 13–1 5.1W,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=40.0km s-min=24.8km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=9.6km az=140.5.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=8.1km az=48.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s51,c83; s90,c154; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.64±.13 $M_{\theta\theta}$2.47±.12; $M_{\phi\phi}$-1.83±.14; $M_{r\theta}$1.18±.31; $M_{\theta\phi}$5.47±.12; $M_{\phi r}$1.39±.35; Best double couple: NP1:ϕ_s102.00000°,δ76.00000°,λ6.00000°. NP2:ϕ_s10.00000°,δ85.00000°,λ166.00000°. Principal axes: T 6.6200,Plg14.0000° ,Azm325.0000°; N -1.0100,Plg75.0000°,Azm169.0000°; P -5.6100,Plg6.0000°,Azm57.0000° $M_0$6.10000×10^{16}
IDC XII 07 13 31 47.0–27 5.92S 105.02W 0 3.6,3.5
¶12076200
IDC Error ellipse: s-maj=940.3km s-min=119.3km az=120.0.
ISC XII 07 13 37 04.5–1.6 4.2S–.20 106.2W–.30 10 3.8b 13 33-152
ISCJB XII 07 13 37 02.3–1.6 4.2S–.20 106.2W–.30 10 3.8b **¶12076201**
IDC XII 07 13 37 02.3–4.3 4.24S 106.79W 0 4.1,4.0
NEIC XII 07 13 37 03.9–1.1 4.20S 106.25W 10 3.9b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=49.5km s-min=19.9km az=145.7.
IDC Error ellipse: s-maj=200.8km s-min=53.4km az=106.0.
NEIC Event type se. Error ellipse: s-maj=38.4km s-min=19.5km az=58.0.

ISC XII 07 14 15 33.6–.42 4.51S–.06 106.19W–.07 10 4.9s,4.6b 81 23-152
ISCJB XII 07 14 15 31.9–.42 4.47S–.06 106.17W–.07 10 4.9s,4.6b **¶11493384**
IDC XII 07 14 15 32.4–1.0 4.48S 106.06W 0 4.8s,4.8
BJI XII 07 14 15 33.7 4.40S 106.10W 10 5.3s,5.2b
NEIC XII 07 14 15 33.6–.43 4.48S 106.13W 10 4.8b,5.2b
GCMT XII 07 14 15 54.7–.20 4.46S 106.14W 15–0 5.3W,5.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=8.0km az=158.4.
IDC Error ellipse: s-maj=31.6km s-min=18.4km az=62.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.3km az=56.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s51,c77; s94,c176; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s16.00000°,δ68.00000°,λ-171.00000°. NP2:ϕ_s283.00000° ,δ82.00000°,λ-22.00000°. Principal axes: T 1.0400,Plg9.0000°,Azm331.0000° ; N 0.0600,Plg66.0000°,Azm83.0000°; P -1.1000,Plg22.0000°,Azm237.0000° M_o1.10000×10^{17}
ISC XII 07 17 25 20.0–1.1 4.6S–.20 106.3W–.20 10 4.0b,3.6s 21 24-152
ISCJB XII 07 17 25 18.5–1.1 4.5S–.20 106.3W–.20 10 4.0b,3.6s **¶12076232**
IDC XII 07 17 25 18.2–1.3 4.61S 106.78W 0 4.2,4.1
NEIC XII 07 17 25 19.4–.77 4.62S 106.33W 10 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=34.8km s-min=21.0km az=163.4.
IDC Error ellipse: s-maj=120.7km s-min=25.6km az=91.0.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=16.3km az=80.0.
IDC XII 08 00 30 35.1–10 4.29S 105.47W 0 3.9,3.7
¶12076269
IDC Error ellipse: s-maj=285.1km s-min=112.8km az=122.0.

(695) West of Galapagos Islands.
IDC IX 25 07 00 42.5–3.3 2.65N 98.98W 0 4.1,3.9
¶11910999
IDC Error ellipse: s-maj=141.7km s-min=20.4km az=50.0.
IDC X 27 09 49 57.7–7.9 1.94N 96.65W 0 4.0,3.8
¶12071228
IDC Error ellipse: s-maj=241.8km s-min=139.1km az=88.0.
IDC X 29 07 06 12.6–6.9 2.21N 96.08W 0 4.1,3.9
¶12071436
IDC Error ellipse: s-maj=171.1km s-min=31.9km az=26.0.
ISC XI 18 22 55 40.8–.73 2.2N–.10 99.00W–.09 10 3.9b,3.9s 24 15-125
IDC XI 18 22 55 37.7–1.1 1.98N 99.27W 0 4.2,4.1 **¶12074065**
ISCJB XI 18 22 55 38.1–1.0 2.1N–.10 99.1W–.10 10 3.9b,3.9s
NEIC XI 18 22 55 39.7–.66 2.10N 99.10W 10 4.5b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=37.1km s-min=17.4km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=26.8km s-min=11.1km az=42.3.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=8.6km az=221.0.

(696) Galapagos Islands region.
IDC VII 01 16 09 39.0–13 2.49N 94.43W 0 4.2,3.9
¶12697920
IDC Error ellipse: s-maj=272.6km s-min=171.4km az=21.0.
IDC XI 24 11 12 10.6–1.6 2.17N 95.00W 0 4.5,4.2b
¶12074672
IDC Error ellipse: s-maj=108.3km s-min=32.0km az=84.0.
IDC XI 30 22 46 23.9–11 2.32N 93.77W 0 3.8,3.6
¶12075370
IDC Error ellipse: s-maj=951.2km s-min=54.9km az=84.0.
IDC XII 22 23 54 10.0–8.0 1.65N 95.56W 0 4.0,3.7
¶12078608
IDC Error ellipse: s-maj=290.3km s-min=146.5km az=82.0.

(698) Southwest of Galapagos Islands.
IDC IX 17 09 08 22.7–1.4 13.42S 98.25W 0 4.0,3.9
¶11910464
IDC Error ellipse: s-maj=218.5km s-min=27.0km az=83.0.
ISC XI 06 08 44 16.6–.86 12.8S–.10 99.6W–.10 10 4.4b,3.7s 24 22-150
ISCJB XI 06 08 44 14.6–.86 12.8S–.10 99.7W–.10 10 4.4b,3.7s **¶12072509**
IDC XI 06 08 44 14.2–1.7 12.95S 99.68W 0 4.5,4.2
NEIC XI 06 08 44 16.1–.56 12.84S 99.62W 10 4.6b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.4km s-min=12.1km az=44.6.
IDC Error ellipse: s-maj=57.4km s-min=20.8km az=45.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=9.6km az=50.0.
IDC XI 06 09 00 55.9–3.6 13.01S 99.30W 0 4.1,3.8
¶12072510
IDC Error ellipse: s-maj=226.1km s-min=82.1km az=80.0.

(757) Galapagos Triple Junction region.
ISC VII 26 11 27 53.5–1.3 2.1N–.20 102.1W–.10 10 3.7b,3.2s 11 12-151
IDC VII 26 11 27 51.9–1.4 2.11N 102.04W 0 4.2,4.0 **¶11812647**
ISCJB VII 26 11 27 52.1–1.3 2.1N–.20 102.0W–.10 10 3.7b,3.2s
NEIC VII 26 11 27 53.3–.86 2.06N 102.06W 10 3.7b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=73.8km s-min=21.6km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=34.6km s-min=9.8km az=34.0.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=10.1km az=223.0.
ISC IX 14 09 18 20.5–.58 5.07N–.08 103.08W–.08 10 4.4b,3.8s 105 14-148
IDC IX 14 09 18 17.5–.67 4.95N 103.40W 0 4.6,4.5 **¶11282228**
ISCJB IX 14 09 18 18.6–.59 5.07N–.08 103.09W–.08 10 4.4b,3.8s
NEIC IX 14 09 18 19.9–.53 5.03N 103.13W 10 4.4b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=14.0km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=7.1km az=136.2.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.0km az=224.0.
IDC X 05 09 32 23.6–2.3 2.10N 100.15W 0 4.1,3.7b
¶12065984
IDC Error ellipse: s-maj=93.3km s-min=42.5km az=105.0.
IDC XI 19 06 22 15.8–4.2 0.65N 102.35W 0 4.0,3.8
¶12074115
IDC Error ellipse: s-maj=140.1km s-min=28.8km az=47.0.

SEISMIC REGION 45.
Macquarie Loop.

(701) West of Macquarie Island.
ISC VII 07 07 46 04.9–.64 58.08S–.08 147.8E–.40 10 4.5b,4.4s 16 20-153
ISCJB VII 07 07 46 03.1–.65 58.09S–.08 147.8E–.40 10 4.5b,4.4s **¶11136585**
IDC VII 07 07 46 03.8–.85 58.10S 147.55E 0 4.6,4.5
GCMT VII 07 07 46 05.8–.30 58.06S 148.27E 12 5.0W,4.5
NEIC VII 07 07 46 05.2–.50 58.09S 147.77E 10 4.8b,4.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.7km s-min=10.0km az=171.6.
IDC Error ellipse: s-maj=47.2km s-min=16.4km az=85.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s33,c38; s69,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.13 $M_{\theta\theta}$2.17±.11; $M_{\phi\phi}$-2.01±.13; $M_{r\theta}$-1.38±.34; $M_{\theta\phi}$-3.62±.09; $M_{\phi r}$-0.63±.34; Best double couple: NP1:ϕ_s344.00000°,δ70.00000°,λ-4.00000°. NP2:ϕ_s76.00000°,δ87.00000°,λ-160.00000°. Principal axes: T 4.4400,Plg11.0000° ,Azm208.0000°; N 0.0200,Plg70.0000°,Azm85.0000°; P -4.4600,Plg16.0000°,Azm302.0000° M_o4.50000×10^{16}
NEIC Event type se. Error ellipse: s-maj=30.7km s-min=9.7km az=82.0.
IDC VII 07 16 51 40.8–2.4 57.32S 146.44E 0 4.3,4.2b
NEIC VII 07 16 51 42.0–1.9 57.36S 146.50E 10 4.3b,4.2b **¶11136586**
IDC Error ellipse: s-maj=111.6km s-min=42.6km az=87.0.
NEIC Event type se. Error ellipse: s-maj=87.0km s-min=31.0km az=88.0.
ISC VII 22 11 50 38.7–.92 58.70S–.09 149.0E–.70 10 4.1b,4.1s 9 20-99
ISCJB VII 22 11 50 36.4–.94 58.72S–.09 149.2E–.70 10 4.1b,4.1s **¶11153563**
IDC VII 22 11 50 37.1–1.7 58.69S 148.90E 0 4.3,4.2
NEIC VII 22 11 50 38.6–.76 58.70S 149.03E 10 3.8b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=50.0km s-min=12.2km az=173.7.
IDC Error ellipse: s-maj=79.7km s-min=20.4km az=90.0.
NEIC Event type se. Error ellipse: s-maj=41.4km s-min=10.1km az=84.0.
IDC VIII 01 07 07 45.6–1.7 56.33S 147.34E 0 4.2,4.1
¶12580885
IDC Error ellipse: s-maj=103.2km s-min=23.7km az=82.0.
ISC VIII 09 16 36 39.0–.26 60.75S–.04 154.00E–.09 10 6.0s,5.5b 187 7-175
IDC VIII 09 16 36 36.9–.46 60.66S 153.67E 0 5.9s,5.9 **¶11160944**
ISCJB VIII 09 16 36 37.5–.27 60.70S–.04 153.83E–.09 10 6.0s,5.5b
MOS VIII 09 16 36 38.9–2.1 60.37S 153.82E 10 6.0s,5.5b
NEIC VIII 09 16 36 38.2–.18 60.69S 153.83E 10 6.3W,6.0s
DJA VIII 09 16 36 40 60.68S 153.88E 6 6.0W,6.0s
BJI VIII 09 16 36 43.3 60.90S 153.18E 38 5.9s,5.8b
GCMT VIII 09 16 36 46.8–.10 60.83S 153.59E 12 6.3W,5.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=13.6km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.6km az=38.5.
MOS Error ellipse: s-maj=26.5km s-min=9.9km az=89.5.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.2km az=89.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 107 sta. Surface waves: sta=111, comp=247, per= 50. Moment Tensor Solution. s116,c259; s99,c202; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17±.02 $M_{\theta\theta}$2.80±.02; $M_{\phi\phi}$-2.63±.02; $M_{r\theta}$0.28±.05; $M_{\theta\phi}$-2.49±.02; $M_{\phi r}$0.28±.05; Best double couple: NP1:ϕ_s156.00000°,δ84.00000°,λ-3.00000°. NP2:ϕ_s246.00000°,δ87.00000°,λ-174.00000°. Principal axes: T 3.7800,Plg2.0000° ,Azm21.0000°; N -0.1400,Plg84.0000°,Azm270.0000°; P -3.6400,Plg6.0000°,Azm111.0000° M_o3.70000×10^{18}
IDC VIII 10 11 53 52.1–5.2 60.55S 153.22E 0 4.4s,4.3
¶11180498
IDC Error ellipse: s-maj=169.4km s-min=30.0km az=94.0.
ISC VIII 13 00 27 37.4–3.5 56.32S–.06 147.2E–.20 18–22 4.8b,4.3s 46 19-157
ISCJB VIII 13 00 27 35.0–3.2 56.30S–.06 147.1E–.20 15–23 4.8b,4.3s **¶11227194**
IDC VIII 13 00 27 35.5–.61 56.24S 147.20E 0 4.7,4.6
NEIC VIII 13 00 27 36.7–.23 56.28S 147.02E 10 5.0b,4.6
GCMT VIII 13 00 27 38.0–.30 56.31S 147.19E 14–1 5.0W,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=9.4km az=17.0.
IDC Error ellipse: s-maj=26.0km s-min=18.1km az=99.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.6km az=97.0.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s31,c34; s69,c119; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.49±.16 $M_{\theta\theta}$2.48±.14; $M_{\phi\phi}$-1.99±.14; $M_{r\theta}$-0.05±.27; $M_{\theta\phi}$-4.00±.14; $M_{\phi r}$-0.46±.30; Best double couple: NP1:ϕ_s76.00000°,δ84.00000°,λ-177.00000°. NP2:ϕ_s345.00000°,δ87.00000°,λ-6.00000°. Principal axes: T 4.8300,Plg2.0000° ,Azm30.0000°; N -0.4500,Plg83.0000°,Azm139.0000°; P -4.3800,Plg6.0000°,Azm300.0000° M_o4.60000×10^{16}
ISC VIII 13 16 24 38.0–.43 54.67S–.05 143.8E–.20 10 5.0s,4.7b 46 17-162
BJI VIII 13 16 24 35.4 54.60S 143.90E 10 5.5b,5.4b **¶11180501**
IDC VIII 13 16 24 35.9–.58 54.66S 143.83E 0 4.9s,4.9
ISCJB VIII 13 16 24 36.4–.45 54.67S–.06 143.7E–.20 10 5.0s,4.7b
NEIC VIII 13 16 24 37.5–.32 54.64S 143.90E 10 5.0b,5.0s
GCMT VIII 13 16 24 40.2–.10 54.78S 144.05E 12 5.3W,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=15.9km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=7.8km az=8.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.1km az=93.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 86, comp=161, per= 50. Moment Tensor Solution. s64,c104; s17,c18; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.02 $M_{\theta\theta}$0.25±.02; $M_{\phi\phi}$-0.08±.02; $M_{r\theta}$-0.07±.05; $M_{\theta\phi}$-1.24±.02; $M_{\phi r}$0.03±.05; Best double couple: NP1:ϕ_s356.00000°,δ87.00000°,λ1.00000°. NP2:ϕ_s266.00000°,δ89.00000°,λ177.00000°. Principal axes: T 1.3400,Plg3.0000°,Azm221.0000°; N -0.1700,Plg87.0000°,Azm67.0000° ; P -1.1700,Plg1.0000°,Azm311.0000° M_o1.30000×10^{17}
IDC IX 10 03 28 45.1–31 60.23S 152.40E 0 4.2,4.0b
¶11909928
IDC Error ellipse: s-maj=575.4km s-min=162.5km az=137.0.
IDC X 01 00 40 16.0–27 54.62S 141.77E 0 3.9,3.8
¶11911510
IDC Error ellipse: s-maj=494.3km s-min=117.2km az=143.0.
IDC X 01 00 44 18.9–45 53.35S 139.27E 0 3.8,3.7
¶11911511
IDC Error ellipse: s-maj=841.2km s-min=171.8km az=143.0.
ISC X 01 02 32 26.3–.83 52.38S–.08 139.9E–.50 10 4.0b,3.8s 19 20-152
ISCJB X 01 02 32 24.6–.78 52.39S–.08 139.7E–.50 10 4.0b,3.8s **¶11911521**
IDC X 01 02 32 26.6–.99 52.35S 138.36E 0 4.1,4.0
NEIC X 01 02 32 27.7–.70 52.26S 139.31E 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=42.9km s-min=10.2km az=6.9.
IDC Error ellipse: s-maj=66.2km s-min=18.0km az=90.0.
NEIC Event type se. Error ellipse: s-maj=36.5km s-min=11.9km az=99.0.
ISC X 01 04 13 58.9–.78 52.39S–.08 140.7E–.50 10 4.1b,4.1s 21 20-153
ISCJB X 01 04 13 56.6–.81 52.40S–.08 140.8E–.50 10 4.1b,4.1s **¶11911525**
IDC X 01 04 13 57.9–.92 52.33S 140.80E 0 4.3,4.2
NEIC X 01 04 13 59.7–.63 52.30S 140.43E 10 4.3b,4.2
GCMT X 01 04 14 01.5–.30 52.27S 139.54E 12 4.9W,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=45.3km s-min=10.3km az=6.9.
IDC Error ellipse: s-maj=54.5km s-min=16.7km az=93.0.
NEIC Event type se. Error ellipse: s-maj=34.8km s-min=10.6km az=100.0.
GCMT Event type se. Data Used: G IU II IC CN. Moment Tensor Solution. s17,c19; s64,c90; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.59±.10 $M_{\theta\theta}$0.75±.09; $M_{\phi\phi}$-0.16±.10; $M_{r\theta}$-0.58±.30; $M_{\theta\phi}$-2.39±.07; $M_{\phi r}$0.00±.27; Best double couple: NP1:ϕ_s354.00000°,δ75.00000°,λ-4.00000°. NP2:ϕ_s85.00000°,δ86.00000°,λ-165.00000°. Principal axes: T 2.7900,Plg8.0000° ,Azm219.0000°; N -0.5700,Plg75.0000°,Azm100.0000°; P -2.2200,Plg13.0000° ,Azm311.0000° M_o2.50000×10^{16}
IDC X 18 21 16 08.7–3.5 55.77S 148.93E 0 4.1,3.9
¶12068999
IDC Error ellipse: s-maj=255.9km s-min=25.5km az=80.0.
IDC X 28 11 32 53.0–43 57.67S 145.18E 0 4.0,3.9
¶12071327
IDC Error ellipse: s-maj=741.0km s-min=210.5km az=155.0.
IDC XI 01 17 57 07.1–2.1 56.24S 144.10E 0 4.0,3.8
¶12071883
IDC Error ellipse: s-maj=202.9km s-min=26.5km az=84.0.
IDC XI 01 19 50 18.7–42 57.85S 144.71E 0 3.8,3.7b
¶12071896
IDC Error ellipse: s-maj=741.9km s-min=152.3km az=151.0.
ISC XI 05 08 53 40.9–3.0 55.80S–.05 147.1E–.20 28–23 4.6b,4.3s 37 7-152
ISCJB XI 05 08 53 36.0–.49 55.85S–.06 147.2E–.20 10 4.6b,4.3s **¶11457793**
IDC XI 05 08 53 36.8–1.5 55.71S 147.17E 0 4.6,4.4
NEIC XI 05 08 53 38.6–.50 55.73S 147.05E 10 4.7b,4.4
GCMT XI 05 08 53 40.9–.20 55.82S 146.93E 12 5.0W,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=8.0km az=7.7.
IDC Error ellipse: s-maj=79.1km s-min=18.9km az=85.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=10.4km az=87.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s28,c40; s86,c136; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.73±.14 $M_{\theta\theta}$2.09±.12; $M_{\phi\phi}$-1.36±.13; $M_{r\theta}$-0.61±.32; $M_{\theta\phi}$-4.36±.10; $M_{\phi r}$0.46±.34; Best double couple: NP1:ϕ_s259.00000°,δ84.00000°,λ175.00000°. NP2:ϕ_s349.00000°,δ85.00000°,λ6.00000°. Principal axes: T 5.1500,Plg7.0000° ,Azm214.0000°; N -0.8300,Plg83.0000°,Azm30.0000°; P -4.3200,Plg1.0000°,Azm124.0000° M_o4.70000×10^{16}
IDC XI 09 11 45 48.8–29 52.39S 141.21E 0 3.7,3.6s
¶12072945
IDC Error ellipse: s-maj=515.4km s-min=158.7km az=144.0.
IDC XI 09 14 43 50.3–2.3 57.36S 146.66E 0 3.9,3.7b
¶12072961
IDC Error ellipse: s-maj=479.1km s-min=29.9km az=67.0.
IDC XI 18 07 12 53.9–4.7 60.50S 154.67E 0 4.1,4.0b
¶12073978
IDC Error ellipse: s-maj=280.9km s-min=30.5km az=75.0.
IDC XII 06 03 26 27.9–37 59.66S 148.18E 0 4.1,3.9
¶12075973
IDC Error ellipse: s-maj=653.2km s-min=231.3km az=150.0.
ISC XII 12 08 12 15.5–.46 58.88S–.05 149.3E–.20 10 4.6b,4.2s 34 16-154
ISCJB XII 12 08 12 13.7–.46 58.87S–.05 149.3E–.20 10 4.6b,4.2s **¶11653451**

IDC XII 12 08 12 13.7–.83 58.80S 149.26E 0 4.7,4.6
NEIC XII 12 08 12 15.3–.39 58.85S 149.18E 10 4.7b,4.6
GCMT XII 12 08 12 19.9–.30 58.81S 148.90E 12 5.1W,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=7.7km az=5.5.
IDC Error ellipse: s-maj=36.3km s-min=16.8km az=94.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=7.6km az=95.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s37,c43; s72,c111; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.15 $M_{\theta\theta}$2.25±.12; $M_{\phi\phi}$-1.63±.15; $M_{r\theta}$-1.69±.34; $M_{\theta\phi}$-4.07±.10; $M_{\phi r}$-0.26±.39; Best double couple: NP1:ϕ_s347.00000°,δ69.00000°,λ-3.00000°. NP2:ϕ_s78.00000°,δ87.00000°,λ-159.00000°. Principal axes: T 5.1200,Plg13.0000° ,Azm211.0000°; N -0.5800,Plg69.0000°,Azm85.0000°; P -4.5400,Plg17.0000° ,Azm305.0000° $M_0$4.80000×10^{16}

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ISC VII 13 08 27 27.6–.95 63.63S–.09 148.5E–.40 10 4.1b,3.7s 10 15-151
ISCJB VII 13 08 27 26.2–.99 63.57S–.10 148.5E–.40 10 4.1b,3.7s **¶11811454**
IDC VII 13 08 27 27.4–1.6 63.37S 148.59E 0 4.3,4.1
NEIC VII 13 08 27 28.3–.87 63.56S 148.45E 10 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.2km s-min=14.0km az=177.7.
IDC Error ellipse: s-maj=76.6km s-min=21.7km az=88.0.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=15.6km az=88.0.
IDC VII 14 20 25 13.1–6.9 63.13S 179.68E 0 4.0,3.9b
¶12698220
IDC Error ellipse: s-maj=268.6km s-min=28.5km az=63.0.
ISC VIII 09 06 01 46.2–.36 61.01S–.05 153.9E–.10 10 5.9s,5.3b 117 7-176
IDC VIII 09 06 01 43.8–.48 61.02S 153.78E 0 5.8s,5.8 **¶11160926**
ISCJB VIII 09 06 01 44.5–.35 61.00S–.05 153.8E–.10 10 5.9s,5.3b
MOS VIII 09 06 01 47.4–2.1 60.48S 154.39E 10 5.9s,5.4b
DJA VIII 09 06 01 47 60.90S 154.25E 10 5.8b,5.4b
NEIC VIII 09 06 01 48.5–.34 60.65S 153.77E 10 6.5W,5.9s
BJI VIII 09 06 01 49.0 60.60S 153.80E 10 6.2s,6.0
GCMT VIII 09 06 02 03.8–.10 60.54S 153.38E 16–0 6.4W,6.0
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=14.2km az=83.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.4km az=36.7.
MOS Error ellipse: s-maj=35.2km s-min=10.6km az=97.4.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=12.3km az=88.0.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 112 sta. Surface waves: sta=111, comp=251, per= 50. Moment Tensor Solution. s116,c272; s99,c203; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.60±.03 $M_{\theta\theta}$4.01±.03; $M_{\phi\phi}$-3.41±.03; $M_{r\theta}$1.40±.09; $M_{\theta\phi}$-3.36±.02; $M_{\phi r}$1.04±.08; Best double couple: NP1:ϕ_s155.00000°,δ71.00000°,λ-7.00000°. NP2:ϕ_s247.00000°,δ84.00000°,λ-161.00000°. Principal axes: T 5.4500,Plg9.0000° ,Azm20.0000°; N -0.2700,Plg70.0000°,Azm264.0000°; P -5.1900,Plg18.0000° ,Azm113.0000° $M_0$5.30000×10^{18}
IDC VIII 26 11 19 40.1–6.9 61.86S 160.13E 0 4.1,4.0
¶12581435
IDC Error ellipse: s-maj=380.7km s-min=26.0km az=74.0.
IDC X 01 19 15 12.1–3.0 62.81S 164.32E 0 4.2,4.1
¶11911574
IDC Error ellipse: s-maj=169.1km s-min=28.2km az=71.0.
NEIC X 09 09 01 26.5–.97 61.90S 161.19E 10 4.5b
GCMT X 09 09 01 26.7 61.86S 161.33E 12 5.0W **¶11369870**
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=15.7km az=97.0.
GCMT Event type se. Data Used: II G IU IC CN. Moment Tensor Solution. s14,c15; s65,c89; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.30±.15 $M_{\theta\theta}$2.82±.09; $M_{\phi\phi}$-2.52±.12; $M_{r\theta}$-2.47±.30; $M_{\theta\phi}$-0.52±.11; $M_{\phi r}$1.10±.40; Best double couple: NP1:ϕ_s225.00000°,δ48.00000°,λ178.00000°. NP2:ϕ_s316.00000°,δ89.00000°,λ42.00000°. Principal axes: T 4.3300,Plg30.0000° ,Azm190.0000°; N -1.3000,Plg48.0000°,Azm318.0000°; P -3.0300,Plg27.0000° ,Azm83.0000° $M_0$3.70000×10^{16}
ISC X 20 03 13 09.5–.40 61.37S–.05 154.2E–.20 10 4.6b,4.6s 50 17-158
ISCJB X 20 03 13 07.7–.40 61.36S–.05 154.2E–.20 10 4.6b,4.6s **¶11390975**
IDC X 20 03 13 08.3–.58 61.28S 154.30E 0 4.7,4.6s
NEIC X 20 03 13 09.7–.47 61.32S 154.32E 10 5.0b,4.6s
GCMT X 20 03 13 12.8–.20 61.32S 153.95E 19–1 5.3W,4.6s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=6.8km az=178.3.
IDC Error ellipse: s-maj=25.2km s-min=14.8km az=89.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.6km az=87.0.
GCMT Event type se. Data Used: II IU CN IC G. Moment Tensor Solution. s64,c99; s91,c150; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.12±.02 $M_{\theta\theta}$1.04±.02; $M_{\phi\phi}$-0.92±.02; $M_{r\theta}$0.04±.04; $M_{\theta\phi}$-0.79±.02; $M_{\phi r}$0.25±.05; Best double couple: NP1:ϕ_s245.00000°,δ80.00000°,λ-172.00000°. NP2:ϕ_s154.00000°,δ82.00000°,λ-10.00000°. Principal axes: T 1.3200,Plg2.0000° ,Azm200.0000°; N -0.0700,Plg77.0000°,Azm297.0000°; P -1.2500,Plg12.0000° ,Azm109.0000° $M_0$1.30000×10^{17}
IDC XI 08 18 37 58.5–2.4 64.74S 172.58E 0 3.8,3.6
¶12072852
IDC Error ellipse: s-maj=122.8km s-min=56.5km az=47.0.
ISC XI 12 04 21 47.6–.57 63.31S–.06 169.2E–.30 10 4.4s,4.1b 27 14-155
ISCJB XI 12 04 21 45.8–.58 63.32S–.07 169.1E–.30 10 4.4s,4.1b **¶11490425**
IDC XI 12 04 21 45.2–.93 63.16S 169.70E 0 4.5,4.5s
NEIC XI 12 04 21 46.6–.55 63.18S 169.73E 10 4.6b,4.5s
GCMT XI 12 04 21 49.2–.20 63.14S 169.47E 12 5.1W,4.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=9.2km az=173.9.
IDC Error ellipse: s-maj=38.8km s-min=16.6km az=65.0.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=9.6km az=77.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s27,c34; s68,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.98±.15 $M_{\theta\theta}$4.64±.11; $M_{\phi\phi}$-3.66±.13; $M_{r\theta}$-5.40±.35; $M_{\theta\phi}$0.57±.12; $M_{\phi r}$-1.04±.39; Best double couple: NP1:ϕ_s315.00000°,δ27.00000°,λ-20.00000°. NP2:ϕ_s63.00000°,δ81.00000°,λ-116.00000°. Principal axes: T 8.0100,Plg31.0000° ,Azm174.0000°; N -3.3600,Plg25.0000°,Azm67.0000°; P -4.6500,Plg48.0000° ,Azm306.0000° $M_0$6.30000×10^{16}

SEISMIC REGION 46.
Andaman Islands to Sumatera.

(703) Andaman Islands region.

IDC VII 01 01 52 19.3–8.3 10.40N 91.23E 0 4.0,3.8b
¶12697908
IDC Error ellipse: s-maj=431.9km s-min=22.2km az=60.0.
ISC VII 01 05 50 54.5–3.7 10.79N–.10 91.6E–.10 5–23 4.2b 20 10-137
IDC VII 01 05 50 53.7–1.2 10.84N 91.56E 0 4.1b,4.1 **¶11479795**
BJI VII 01 05 50 55.8 10.99N 91.91E 14 4.7b,4.2b
NEIC VII 01 05 50 55.2–.57 10.84N 91.61E 10 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=49.5km s-min=15.4km az=61.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=9.0km az=64.0.
IDC VII 01 08 29 16.7–8.0 10.64N 92.39E 0 3.5,3.3b
¶12697914
IDC Error ellipse: s-maj=417.0km s-min=27.8km az=60.0.
IDC VII 01 08 56 23.1–2.4 10.59N 92.75E 0 3.8,3.7b
¶12697915
IDC Error ellipse: s-maj=76.3km s-min=22.7km az=71.0.
IDC VII 01 12 28 16.8–10 13.95N 93.78E 139–99 4.0L,3.1
¶12697917
IDC Error ellipse: s-maj=83.5km s-min=60.2km az=42.0.
IDC VII 01 18 01 01.5–8.2 10.74N 91.72E 0 3.4,3.2b
¶12697924
IDC Error ellipse: s-maj=421.5km s-min=27.5km az=60.0.
IDC VII 01 18 03 22.4–3.0 10.91N 91.65E 0 3.5,3.4
¶12697925
IDC Error ellipse: s-maj=125.8km s-min=21.6km az=62.0.
IDC VII 01 22 21 34.4–3.7 10.84N 91.50E 0 3.6,3.4b
¶12697930
IDC Error ellipse: s-maj=137.8km s-min=25.1km az=66.0.
ISC VII 02 00 34 03.0–.83 12.3N–.10 94.3E–.20 35 3.7b 18 9-53
IDC VII 02 00 33 51.3–2.4 10.90N 91.72E 0 3.9,3.8 **¶12697932**
ISCJB VII 02 00 34 00.8–.83 12.3N–.10 94.3E–.20 33 3.7b,3.8
NEIC VII 02 00 34 03.1–.72 12.26N 94.34E 35 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=105.7km s-min=17.9km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=34.5km s-min=10.7km az=151.4.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=9.6km az=62.0.
IDC VII 02 04 06 26.7–3.8 10.76N 91.86E 0 3.8,3.6b
¶12697934
IDC Error ellipse: s-maj=140.9km s-min=25.5km az=67.0.
IDC VII 02 08 29 23.2–3.6 10.17N 95.26E 0 3.8,3.6b
¶12697939
IDC Error ellipse: s-maj=372.1km s-min=29.5km az=49.0.
IDC VII 02 12 30 29.6–13 10.38N 91.86E 0 3.6,3.4b
¶12697942
IDC Error ellipse: s-maj=684.9km s-min=30.6km az=60.0.
IDC VII 02 16 44 07.7–1.9 10.55N 91.44E 0 3.7,3.6b
¶12697949
IDC Error ellipse: s-maj=69.9km s-min=20.0km az=64.0.
IDC VII 03 05 46 09.4–5.6 10.61N 91.71E 28–7 3.5,3.3b
¶12697958
IDC Error ellipse: s-maj=283.7km s-min=20.4km az=60.0.
IDC VII 03 10 55 11.7–5.3 11.14N 92.45E 28–7 3.6,3.4b
¶12697969
IDC Error ellipse: s-maj=275.5km s-min=19.4km az=60.0.
IDC VII 03 10 55 26.1–5.3 11.06N 92.33E 28–7 3.7,3.6b
¶12697970
IDC Error ellipse: s-maj=274.4km s-min=19.4km az=60.0.
IDC VII 03 12 21 52.0–6.1 11.08N 92.50E 24–6 3.6,3.4b
¶12697973
IDC Error ellipse: s-maj=324.8km s-min=19.7km az=60.0.
IDC VII 03 12 47 35.2–5.8 11.44N 92.57E 26–6 3.9,3.7b
¶12697975
IDC Error ellipse: s-maj=310.2km s-min=20.1km az=60.0.
IDC VII 03 15 51 20.2–12 10.73N 92.60E 0 3.5,3.3b
¶12697983
IDC Error ellipse: s-maj=656.0km s-min=27.4km az=60.0.
IDC VII 03 20 27 38.6–2.0 10.55N 91.49E 0 3.6b,3.6
¶12697991
IDC Error ellipse: s-maj=69.4km s-min=23.1km az=64.0.
IDC VII 04 06 50 25.7–8.5 10.94N 92.26E 0 3.5,3.3b
¶12698000
IDC Error ellipse: s-maj=442.9km s-min=30.4km az=60.0.
IDC VII 04 18 22 15.1–1.9 11.94N 91.68E 0 3.7L,3.6
¶12698009
IDC Error ellipse: s-maj=67.5km s-min=22.7km az=62.0.
ISC VII 05 01 39 31.9–5.8 10.2N–.20 91.7E–.30 53–49 4.1b 14 11-70
IDC VII 05 01 39 24.7–1.2 10.15N 91.60E 0 4.5L,4.1b **¶11810664**
NEIC VII 05 01 39 29.7–.53 10.18N 91.60E 35 4.4b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=44.2km s-min=18.1km az=56.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.4km az=53.0.
IDC VII 05 09 03 59.3–2.8 10.16N 91.74E 0 3.7,3.6b
¶12698021
IDC Error ellipse: s-maj=113.9km s-min=20.6km az=63.0.
ISC VII 05 13 25 49.9–6.9 11.18N–.08 92.4E–.20 5–45 4.0b 26 10-123
BJI VII 05 13 25 44.2 10.36N 91.86E 10 4.1b,4.0b **¶11479860**
IDC VII 05 13 25 46.6–1.0 10.59N 91.47E 0 4.2,4.1b
ISCJB VII 05 13 25 48.6–6.6 11.12N–.08 92.3E–.10 11–44 4.0b,4.1b
NEIC VII 05 13 25 51.0–.65 11.06N 92.37E 10 4.0b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=45.9km s-min=15.9km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=12.8km az=166.2.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=13.2km az=56.0.
ISC VII 06 02 49 00.8–3.7 10.93N–.07 91.82E–.06 11–23 4.2b 56 10-137
IDC VII 06 02 48 59.2–.58 10.96N 91.83E 0 4.2,4.1b **¶11479872**
BJI VII 06 02 49 03.1 11.00N 91.90E 30 4.8b,4.4b
NEIC VII 06 02 49 06.1–1.7 11.02N 91.95E 50–14 4.3b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=12.8km az=57.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.8km az=52.0.
ISC VII 06 18 14 42.4–.90 13.37N–.09 93.9E–.10 35 3.7b 12 7-93
IDC VII 06 18 14 36.7–1.8 13.24N 93.55E 0 3.8,3.7b **¶11810816**
NEIC VII 06 18 14 38.3–.91 13.30N 93.74E 10 3.6b,3.7b
ISCJB VII 06 18 14 40.4–.91 13.39N–.09 93.9E–.10 33 3.7b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 06 23 23 52.6–.85 10.8N–.10 91.9E–.20 35 3.9b 20 35-88
IDC VII 06 23 23 47.8–1.9 10.72N 91.94E 0 4.1,4.0b **¶11810834**
ISCJB VII 06 23 23 50.3–.85 10.7N–.10 91.9E–.20 33 3.9b,4.0b
NEIC VII 06 23 23 52.3–.68 10.73N 91.83E 35 4.0b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=72.0km s-min=16.7km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=32.7km s-min=10.6km az=149.5.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=7.9km az=59.0.
ISC VII 07 09 58 51.3–1.1 10.70N–.03 91.68E–.03 3–6 4.8b,4.1s 277 6-160
BJI VII 07 09 58 49.2 10.44N 91.54E 10 4.7b,4.7b **¶11103526**
IDC VII 07 09 58 50.8–.39 10.74N 91.80E 0 4.6b,4.6
SZGRF VII 07 09 58 51.8 10.76N 92.92E 33 5.0b,4.6
NEIC VII 07 09 58 52.4–.20 10.74N 91.70E 10 5.0b,4.6
ISCJB VII 07 09 58 53.8–.21 10.70N–.03 91.68E–.03 33 4.8b,4.1s
MOS VII 07 09 58 54.4–1.0 10.79N 91.81E 37 5.2b,4.1s
DJA VII 07 09 59 02 10.55N 91.46E 110 4.7b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=11.5km az=61.0.
SZGRF Andaman Islands, India, region.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.7km az=217.0.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.5km az=36.3.
MOS Error ellipse: s-maj=9.9km s-min=5.7km az=111.4.
ISC VII 07 17 49 27.5–1.9 10.6N–.30 91.6E–.50 35 3.6b 8 37-124
IDC VII 07 17 49 22.6–2.0 10.56N 91.60E 0 3.8,3.6b **¶11810901**
NEIC VII 07 17 49 24.1–1.2 10.58N 91.62E 10 3.8b,3.6b
ISCJB VII 07 17 49 25.0–1.9 10.5N–.30 91.5E–.50 33 3.6b,3.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 07 19 52 38.6–7.8 10.31N 91.14E 0 3.6,3.5b
¶12698072
IDC Error ellipse: s-maj=377.2km s-min=25.7km az=61.0.
IDC VII 08 08 14 13.5–2.5 10.68N 91.69E 0 5.3,5.1s
¶12698082
IDC Error ellipse: s-maj=152.8km s-min=23.5km az=56.0.
IDC VII 08 14 00 51.3–7.9 10.24N 91.06E 0 3.7,3.5b
¶12698086
IDC Error ellipse: s-maj=392.7km s-min=29.7km az=60.0.
ISC VII 08 15 51 42.3–5.2 10.9N–.10 91.1E–.20 24–38 4.2s,3.8b 15 11-78
ISCJB VII 08 15 51 38.8–4.6 10.9N–.10 91.2E–.20 13–30 4.2s,3.8b **¶11810995**
IDC VII 08 15 51 40.5–1.2 11.14N 91.61E 0 4.2s,4.2
NEIC VII 08 15 51 40.1–.70 10.90N 91.10E 10 4.0b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.4km s-min=14.2km az=157.9.
IDC Error ellipse: s-maj=42.1km s-min=17.1km az=59.0.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=9.6km az=63.0.
ISC VII 08 16 05 59.2–3.3 10.79N–.07 91.81E–.09 14–21 4.1b 26 10-147
BJI VII 08 16 05 56.8 10.79N 91.28E 15 4.6s,4.5b **¶11479904**
IDC VII 08 16 05 57.4–1.1 10.70N 91.77E 0 4.1,4.0
NEIC VII 08 16 05 58.6–.89 10.73N 91.83E 10 4.6b,4.0
ISCJB VII 08 16 05 59.9–.60 10.81N–.07 91.81E–.08 33 4.1b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 10 00 52 17.4–1.4 10.79N 91.36E 0 3.7,3.6
¶12698108

IDC Error ellipse: s-maj=56.0km s-min=20.9km az=58.0.
IDC VII 11 05 39 44.2–6.0 11.08N 92.07E 29–7 3.6,3.4b ¶12698131

IDC Error ellipse: s-maj=313.7km s-min=21.4km az=60.0.
ISC VII 11 09 37 42.5–.41 10.80N–.06 91.69E–.06 35 4.2b 37 10-160
BJI VII 11 09 37 36.6 10.80N 91.70E 10 4.8b,4.3b **¶11479949**
NEIC VII 11 09 37 38.6–.29 10.77N 91.73E 10 4.5b,4.3b
ISCJB VII 11 09 37 40.3–.41 10.77N–.06 91.64E–.06 33 4.2b,4.3b
IDC VII 11 09 37 41.4–.86 10.81N 91.69E 27–5 4.0,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=6.8km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.5km az=37.8.
IDC Error ellipse: s-maj=20.2km s-min=13.3km az=62.0.
IDC VII 12 05 14 07.0–14 10.95N 92.27E 0 3.6,3.4b ¶12698154

IDC Error ellipse: s-maj=765.4km s-min=30.5km az=60.0.
IDC VII 13 10 42 34.0–1.9 10.79N 91.58E 0 3.8,3.7L ¶12698190

IDC Error ellipse: s-maj=65.1km s-min=18.5km az=66.0.
ISC VII 14 00 40 35.9–.40 10.67N–.06 91.78E–.05 35 4.3b,3.6s 72 10-147
BJI VII 14 00 40 29.8 10.33N 91.79E 26 4.7b,4.5b **¶11479983**
IDC VII 14 00 40 31.0–.57 10.70N 91.76E 0 4.3,4.2
NEIC VII 14 00 40 32.2–.30 10.65N 91.77E 10 4.5b,4.2
ISCJB VII 14 00 40 33.4–.40 10.63N–.05 91.76E–.04 33 4.3b,3.6s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 14 02 06 42.6–1.9 10.38N 91.28E 26–5 4.3L,3.9 ¶12698205

IDC Error ellipse: s-maj=63.9km s-min=18.2km az=69.0.
ISC VII 14 07 16 12.4–.72 10.6N–.10 91.7E–.10 35 4.0b 17 10-75
IDC VII 14 07 16 06.7–1.2 10.52N 91.57E 0 4.1L,3.9 **¶11811539**
NEIC VII 14 07 16 08.4–.53 10.55N 91.63E 10 4.3b,3.9
ISCJB VII 14 07 16 10.2–.73 10.6N–.10 91.8E–.10 33 4.0b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 14 15 49 32.0–2.0 10.31N 91.06E 0 3.6,3.5b
NEIC VII 14 15 49 33.4–1.1 10.27N 91.01E 10 3.6,3.5b **¶11811567**
IDC Error ellipse: s-maj=66.7km s-min=21.8km az=66.0.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=15.1km az=68.0.
ISC VII 15 03 16 17.7–1.8 10.81N–.09 92.17E–.09 38–15 4.1b 31 1-152
IDC VII 15 03 16 11.7–.71 10.75N 92.04E 0 4.4L,4.2 **¶11811621**
NEIC VII 15 03 16 13.2–.37 10.68N 92.01E 10 4.2b,4.2
ISCJB VII 15 03 16 14.9–.57 10.74N–.06 92.12E–.07 33 4.1b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 15 17 29 05.3–2.4 10.48N 91.38E 0 3.8L,3.7 ¶12698234

IDC Error ellipse: s-maj=73.0km s-min=28.5km az=68.0.
ISC VII 16 05 00 44.8–5.3 13.42N–.10 92.5E–.10 1–34 3.9b 14 8-58
ISCJB VII 16 05 00 43.1–4.4 13.45N–.10 92.51E–.10 4–28 3.8b **¶11811716**
IDC VII 16 05 00 44.9–1.1 13.47N 92.50E 0 3.9,3.7L
NEIC VII 16 05 00 46.2–.72 13.44N 92.47E 10 3.9,3.7L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=13.8km az=43.2.
IDC Error ellipse: s-maj=34.5km s-min=20.1km az=62.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=12.2km az=69.0.
IDC VII 16 20 30 47.2–1.8 13.49N 92.82E 0 3.8b,3.8 ¶12698259

IDC Error ellipse: s-maj=62.2km s-min=21.4km az=64.0.
IDC VII 17 04 10 56.8–8.8 10.86N 92.17E 0 3.7,3.5b ¶12698265

IDC Error ellipse: s-maj=459.9km s-min=30.2km az=60.0.
IDC VII 19 10 51 49.7–11 10.83N 91.74E 0 3.9,3.7b ¶12698318

IDC Error ellipse: s-maj=586.6km s-min=26.5km az=60.0.
ISC VII 19 13 39 51.8–3.6 12.94N–.08 93.20E–.07 6–22 4.0b 28 8-135
BJI VII 19 13 39 41.4 11.85N 93.09E 14 4.4b **¶11480053**
ISCJB VII 19 13 39 50.8–3.0 12.96N–.08 93.27E–.07 11–19 4.0b
IDC VII 19 13 39 50.9–.81 12.97N 93.23E 0 4.2L,4.1
NEIC VII 19 13 39 55.5–5.0 13.02N 93.26E 28–33 4.0b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.0km s-min=9.1km az=141.4.
IDC Error ellipse: s-maj=23.7km s-min=17.9km az=64.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=11.2km az=49.0.
ISC VII 20 04 28 08.5–.64 13.42N–.09 92.9E–.10 25 3.9b,3.6s 21 8-135
ISCJB VII 20 04 28 06.2–.64 13.43N–.09 93.0E–.10 24 3.9b,3.6s **¶11812132**
IDC VII 20 04 28 07.8–.89 13.44N 92.91E 21–5 3.9,3.8
NEIC VII 20 04 28 08.3–.62 13.42N 92.91E 22 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=12.3km az=176.4.
IDC Error ellipse: s-maj=28.3km s-min=17.1km az=64.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=13.0km az=81.0.
ISC VII 20 06 46 19.4–1.3 11.0N–.20 91.7E–.10 35 3.5b 9 10-59
IDC VII 20 06 46 13.9–1.5 10.98N 91.62E 0 3.6,3.6b **¶12698341**
ISCJB VII 20 06 46 16.8–1.3 11.0N–.20 91.7E–.10 33 3.5b,3.6b
IDC VII 20 17 07 24.3–3.3 10.69N 91.67E 0 3.7,3.6b ¶12698352

IDC Error ellipse: s-maj=132.5km s-min=26.0km az=65.0.
ISC VII 20 23 35 05.5–1.7 10.4N–.10 90.8E–.10 63–17 3.8b 20 10-64
NEIC VII 20 23 34 57.5–.56 10.25N 90.33E 10 3.6b **¶11812219**
ISCJB VII 20 23 35 02.0–2.7 10.3N–.10 90.6E–.10 53–27 3.8b
IDC VII 20 23 35 01.9–2.1 10.90N 91.77E 0 4.0,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=8.5km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=26.0km s-min=9.4km az=139.8.
IDC Error ellipse: s-maj=101.0km s-min=18.6km az=64.0.
IDC VII 21 08 23 12.7–3.4 10.91N 92.17E 0 3.7b,3.7 ¶12698364

IDC Error ellipse: s-maj=137.3km s-min=23.8km az=65.0.
IDC VII 22 18 50 52.6–11 11.62N 91.64E 0 3.7b,3.5 ¶12698392

IDC Error ellipse: s-maj=205.2km s-min=60.1km az=179.0.
ISC VII 22 21 19 43.9–.19 10.77N–.03 91.74E–.03 28 4.8b,4.5s 338 10-160
ISCJB VII 22 21 19 41.7–.19 10.78N–.03 91.76E–.03 27 4.8b,4.5s **¶11136717**
MOS VII 22 21 19 42.5–.82 10.80N 91.80E 31 5.0b,4.1s
BJI VII 22 21 19 42.8 10.61N 91.90E 45 5.1s,4.9
IDC VII 22 21 19 44.0–.36 10.83N 91.82E 26–2 4.5,4.4
NEIC VII 22 21 19 44.8–.49 10.79N 91.75E 36–4 4.8b,4.4
SZGRF VII 22 21 19 59.6 12.88N 90.30E 29 4.9b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.6km az=23.0.
MOS Error ellipse: s-maj=7.6km s-min=4.2km az=117.4.
IDC Error ellipse: s-maj=12.4km s-min=8.2km az=55.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.9km az=50.0.
SZGRF Andaman Islands, India, region.
ISC VII 22 22 32 54.2–3.6 10.75N–.05 91.79E–.08 16–23 4.1b 32 10-93
NEIC VII 22 22 32 55.4–1.9 10.78N 91.78E 26–14 4.1b **¶11812405**
IDC VII 22 22 32 56.4–1.5 10.79N 91.82E 29–5 3.9,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.5km az=86.0.
IDC Error ellipse: s-maj=60.6km s-min=14.7km az=65.0.
IDC VII 22 22 36 24.9–3.3 10.72N 91.68E 0 4.0,3.9s ¶12698393

IDC Error ellipse: s-maj=135.4km s-min=25.4km az=65.0.
ISC VII 24 09 51 35.6–2.1 10.70N–.06 91.74E–.04 13–12 4.5b 95 1-138
ISCJB VII 24 09 51 31.9–1.8 10.61N–.06 91.65E–.04 4–11 4.5b **¶11348282**
BJI VII 24 09 51 32.8 10.47N 91.86E 17 4.5b,4.2b
IDC VII 24 09 51 33.4–.78 10.67N 91.65E 0 4.4,4.3b
NEIC VII 24 09 51 35.2–.48 10.70N 91.69E 10 4.6b,4.3b
MOS VII 24 09 51 36.7–1.0 10.71N 91.76E 33 4.7b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=7.1km az=0.2.
IDC Error ellipse: s-maj=29.8km s-min=15.1km az=53.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=7.7km az=58.0.
MOS Error ellipse: s-maj=15.3km s-min=7.5km az=102.1.
ISC VII 24 12 19 02.3–1.0 12.8N–.10 92.0E–.20 35 3.6b 15 9-74
IDC VII 24 12 18 56.8–1.3 12.68N 91.93E 0 3.8L,3.8 **¶11227135**
ISCJB VII 24 12 19 00.1–1.0 12.8N–.10 92.1E–.20 33 3.6b,3.8
NEIC VII 24 12 19 02.3–.73 12.78N 92.03E 35 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=52.6km s-min=20.6km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=11.5km az=142.7.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=8.7km az=53.0.
IDC VII 25 08 17 05.2–1.9 13.65N 92.90E 0 3.8,3.7b ¶12698430

IDC Error ellipse: s-maj=87.5km s-min=20.4km az=62.0.
ISC VII 25 20 24 37.3–7.3 10.8N–.10 91.9E–.10 14–48 3.9b 12 10-53
IDC VII 25 20 24 34.8–2.0 10.76N 91.72E 0 3.9,3.8b **¶11812608**
ISCJB VII 25 20 24 37.7–.73 10.75N–.10 91.9E–.10 33 3.9b,3.8b
NEIC VII 25 20 24 38.8–4.8 10.74N 91.91E 24–38 4.5b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=66.7km s-min=21.3km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=14.1km az=4.7.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=13.7km az=105.0.
ISC VII 26 05 35 35.5–.12 11.57N–.02 91.71E–.02 24 5.2b,4.7s 738 1-165
IDC VII 26 05 35 31.9–.40 11.61N 91.82E 0 4.9b,4.9 **¶11153768**
BJI VII 26 05 35 32.2 11.50N 91.72E 20 5.3b,5.0s
NEIC VII 26 05 35 33.8–1.5 11.61N 91.66E 12–8 5.4b,5.0s
ISCJB VII 26 05 35 33.4–.12 11.57N–.02 91.72E–.02 22 5.2b,4.7s
MOS VII 26 05 35 34.7–.86 11.64N 91.72E 29 5.5b,4.6s
SZGRF VII 26 05 35 34.1 10.51N 91.25E 21 5.3b,4.5s
GCMT VII 26 05 35 35.8–.20 11.61N 91.64E 12 5.1W,4.5s
DJA VII 26 05 35 47 11.60N 92.60E 79 5.2b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=10.7km az=61.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.9km az=215.0.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.3km az=32.1.
MOS Error ellipse: s-maj=6.7km s-min=3.4km az=120.1.
SZGRF Andaman Islands, India, region.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s42,c49; s87,c148; Moment tensor: Scale 10^{16}Nm; M_{rr}4.74±.10 $M_{\theta\theta}$0.19±.09; $M_{\phi\phi}$-4.93±.09; $M_{r\theta}$-1.35±.38; $M_{\theta\phi}$-0.42±.08; $M_{\phi r}$-2.46±.27; Best double couple: NP1:ϕ_s353.00000°,δ32.00000°,λ70.00000°. NP2:ϕ_s196.00000°,δ60.00000°,λ102.00000°. Principal axes: T 5.6100,Plg72.0000° ,Azm136.0000°; N 0.0000,Plg11.0000°,Azm10.0000°; P -5.6100,Plg14.0000°,Azm277.0000° M_o5.60000×10^{16}
ISC VII 26 09 45 55.6–1.7 10.67N–.06 91.68E–.05 29–12 4.5b,3.6s 91 10-93
BJI VII 26 09 45 46.8 10.20N 91.71E 10 4.7b,4.5b **¶11153774**
IDC VII 26 09 45 50.8–.82 10.61N 91.57E 0 4.2,4.1b
ISCJB VII 26 09 45 51.2–1.7 10.60N–.06 91.65E–.04 15–12 4.5b,3.6s
MOS VII 26 09 45 52.9–.83 10.63N 91.72E 26 4.7b,3.6s
NEIC VII 26 09 45 52.7–.40 10.65N 91.70E 10 4.4b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=15.4km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.3km az=171.6.
MOS Error ellipse: s-maj=12.0km s-min=7.8km az=102.1.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.1km az=47.0.
ISC VII 26 13 23 55.2–4.5 12.96N–.09 92.56E–.09 11–29 3.9b,3.6s 23 8-93
IDC VII 26 13 23 53.3–.97 12.93N 92.43E 0 4.1,4.0b **¶11812653**
NEIC VII 26 13 23 55.2–3.5 12.97N 92.56E 12–22 4.1b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=17.6km az=53.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.2km az=144.0.
ISC VII 26 16 49 54.4–.44 10.35N–.03 93.12E–.03 94–4 4.7b 426 8-161
SZGRF VII 26 16 49 39.0 8.58N 93.34E 33 4.8b **¶11153781**
BJI VII 26 16 49 51.0 10.26N 93.13E 87 5.1b,4.9b
ISCJB VII 26 16 49 52.9–.53 10.33N–.03 93.10E–.03 95–5 4.7b,4.9b
MOS VII 26 16 49 52.9–.79 10.34N 93.16E 97 4.8b,4.9b
IDC VII 26 16 49 53.5–.48 10.37N 93.22E 86–3 4.5,4.4
NEIC VII 26 16 49 53.1–.15 10.33N 93.14E 84 4.8b,4.4
DJA VII 26 16 50 14 9.40N 94.10E 191 4.7b,4.4
ISC Event type se.
SZGRF Nicobar Islands, India, region.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.5km az=141.9.
MOS Error ellipse: s-maj=8.1km s-min=4.2km az=117.4.
IDC Error ellipse: s-maj=14.9km s-min=7.6km az=59.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.3km az=54.0.
IDC VII 27 16 32 51.9–6.5 11.24N 92.36E 0 3.4,3.3b ¶12698461

IDC Error ellipse: s-maj=406.1km s-min=29.5km az=59.0.
ISC VIII 02 20 58 41.1–.86 11.0N–.10 93.1E–.10 35 3.9b 20 9-72
IDC VIII 02 20 58 36.2–1.2 11.34N 93.28E 0 3.9b,3.9 **¶11907716**
NEIC VIII 02 20 58 37.3–.98 11.18N 92.97E 10 3.9b,3.9
ISCJB VIII 02 20 58 38.9–.87 11.0N–.10 93.2E–.10 33 3.9b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 04 23 28 17.6–1.1 13.70N–.05 93.09E–.06 69–11 4.0b 42 7-121
ISCJB VIII 04 23 28 15.6–1.4 13.71N–.05 93.12E–.06 68–14 4.0b **¶11907774**
NEIC VIII 04 23 28 17.9–.75 13.69N 93.15E 73–7 4.3b
IDC VIII 04 23 28 17.6–4.1 13.71N 93.11E 68–38 3.9L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=7.6km az=156.9.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.6km az=71.0.
IDC Error ellipse: s-maj=30.7km s-min=14.2km az=63.0.
ISC VIII 05 10 08 14.6–.12 13.95N–.02 93.61E–.02 56 5.4s,5.2b 639 7-164
BJI VIII 05 10 08 08.4 13.67N 93.52E 36 5.9b,5.4s **¶13390918**
MOS VIII 05 10 08 10.6–.87 14.00N 93.59E 33 5.5b,5.4s
SZGRF VIII 05 10 08 11.0 13.53N 93.29E 33 5.3b,5.4s
NEIC VIII 05 10 08 11.9–.12 13.87N 93.58E 35 5.2b,5.4s
IDC VIII 05 10 08 12.8–.44 13.88N 93.70E 42–3 5.6L,5.0
ISCJB VIII 05 10 08 12.7–.12 13.97N–.02 93.60E–.02 54 5.4s,5.2b
GCMT VIII 05 10 08 14.2–.50 13.88N 93.56E 45–1 5.2W,5.2b
DJA VIII 05 10 09 08 11.50N 96.31E 310 4.8b,5.2b
ISC Event type se.
MOS Error ellipse: s-maj=6.7km s-min=4.0km az=118.8.
SZGRF Andaman Islands, India, region.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=193.0.
IDC Error ellipse: s-maj=10.8km s-min=9.7km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.5km az=36.3.
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s13,c18; s66,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}6.36±.61 $M_{\theta\theta}$0.83±.34; $M_{\phi\phi}$-7.18±.35; $M_{r\theta}$4.08±.24; $M_{\theta\phi}$1.81±.25; $M_{\phi r}$-1.94±.26; Best double couple: NP1:ϕ_s11.00000°,δ39.00000°,λ130.00000°. NP2:ϕ_s143.00000°,δ61.00000°,λ62.00000°. Principal axes: T 8.5700,Plg63.0000° ,Azm7.0000°; N -0.4200,Plg24.0000°,Azm158.0000°; P -8.1500,Plg12.0000°,Azm253.0000° M_o8.40000×10^{16}
ISC VIII 05 21 58 50.6–2.5 10.83N–.05 91.74E–.04 16–15 4.6b 117 9-160
ISCJB VIII 05 21 58 47.1–2.4 10.85N–.05 91.76E–.04 5–15 4.6b **¶11154209**
IDC VIII 05 21 58 48.2–.48 10.79N 91.68E 0 4.4,4.4b
NEIC VIII 05 21 58 49.6–.16 10.82N 91.69E 10 4.8b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=6.2km az=30.9.
IDC Error ellipse: s-maj=19.2km s-min=13.0km az=64.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.1km az=48.0.
IDC VIII 09 10 44 39.1–1.3 10.24N 91.77E 0 4.1L,3.8 ¶12580990

IDC Error ellipse: s-maj=42.6km s-min=23.6km az=59.0.
ISC VIII 10 08 20 34.7–.56 11.02N–.02 91.83E–.01 29–4 6.1s,5.7b 1288 1-170
BJI VIII 10 08 20 29.4 10.99N 91.77E 11 6.3s,6.1 **¶13391318**
ISCJB VIII 10 08 20 30.6–.57 11.05N–.02 91.84E–.02 13–3 6.1s,5.7b

IDC VIII 10 08 20 30.1–.35 11.05N 91.87E 0 5.9s,5.9
TEH VIII 10 08 20 32.0 11.07N 91.84E 10 5.9s,5.9
SZGRF VIII 10 08 20 33.0 10.69N 92.14E 33 6.1s,5.5b
NEIC VIII 10 08 20 33.4–.09 11.06N 91.81E 20 6.9,6.2W
DJA VIII 10 08 20 34 11.05N 91.93E 20 6.3W,6.2W
MOS VIII 10 08 20 34.8–.78 11.19N 91.96E 33 6.0s,5.9b
GCMT VIII 10 08 20 37.4–.10 10.96N 91.83E 16–0 6.1W,5.9b
BGS VIII 10 08 20 50.9–1.5 13.92N 89.27E 10–0 6.1s,5.4b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=3.6km s-min=2.1km az=26.9.
IDC Error ellipse: s-maj=12.1km s-min=10.3km az=48.0.
SZGRF Andaman Islands, India, region.
NEIC Event type fe. Error ellipse: s-maj=3.8km s-min=2.6km az=25.0. Felt [IV] at Port Blair. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s135.00000°,δ85.00000°,λ-175.00000°. NP2:ϕ_s45.00000°,δ85.00000°,λ-5.00000°. Principal axes: T Plg0.0000°,Azm90.0000°; N Plg0.0000°,Azm0.0000°; P Plg7.0000°,Azm360.0000° Moment Tensor Solution. s68 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.42 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$2.40 $M_{r\theta}$0.15 $M_{\theta\phi}$0.40 $M_{\phi r}$-0.13 Best double couple: NP1:ϕ_s230.00000°,δ84.00000°,λ-2.00000°. NP2:ϕ_s320.00000°,δ88.00000°,λ-174.00000°. Principal axes: T 2.4400,Plg2.0000°,Azm95.0000°; N -0.4100,Plg83.0000°,Azm342.0000°; P -2.0300,Plg5.0000°,Azm185.0000° $M_0$2.30000×10^{18}
MOS Error ellipse: s-maj=9.7km s-min=3.8km az=129.3.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=244, per= 50. Moment Tensor Solution. s109,c241; s86,c138; Moment tensor: Scale 10^{18}Nm; M_{rr}-0.58±.01 $M_{\theta\theta}$-1.76±.01; $M_{\phi\phi}$2.34±.02; $M_{r\theta}$-0.32±.04; $M_{\theta\phi}$0.29±.01; $M_{\phi r}$0.25±.04; Best double couple: NP1:ϕ_s48.00000°,δ76.00000°,λ-7.00000°. NP2:ϕ_s140.00000°,δ83.00000°,λ-166.00000°. Principal axes: T 2.3800,Plg4.0000°,Azm274.0000°; N -0.5100,Plg75.0000°,Azm168.0000°; P -1.8700,Plg15.0000°,Azm5.0000° $M_0$2.10000×10^{18}
BGS Error ellipse: s-maj=416.8km s-min=326.2km az=-1.0.
ISC VIII 10 09 01 17.4–.74 10.8N–.10 91.7E–.10 35 4.0b 20 10-137
IDC VIII 10 09 01 11.8–1.0 10.80N 91.64E 0 4.0b,4.0 **¶11908023**
NEIC VIII 10 09 01 13.4–.51 10.79N 91.67E 10 4.2b,4.0
ISCJB VIII 10 09 01 15.3–.74 10.9N–.10 91.8E–.10 33 4.0b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 10 09 16 26.7–3.9 11.0N–.10 91.9E–.20 49–33 4.0b 23 10-137
IDC VIII 10 09 16 19.7–.75 10.94N 91.78E 0 4.1L,4.1 **¶11908024**
NEIC VIII 10 09 16 21.2–.41 10.91N 91.78E 10 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=15.6km az=55.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=8.0km az=56.0.
ISC VIII 10 09 27 57.4–.12 11.03N–.02 91.75E–.02 30 5.3b,4.9s 733 9-165
SZGRF VIII 10 09 27 49.2 10.13N 91.85E 32 5.5b,4.9s **¶11160965**
BJI VIII 10 09 27 55.2 10.91N 91.75E 35 5.4b,5.3b
ISCJB VIII 10 09 27 55.4–.12 11.04N–.02 91.78E–.02 28 5.3b,4.9s
MOS VIII 10 09 27 56.3–.88 11.09N 91.82E 33 5.6b,5.0s
IDC VIII 10 09 27 56.8–2.2 11.06N 91.81E 25–13 4.8,4.8b
GCMT VIII 10 09 27 57.9–.20 11.05N 91.80E 14–1 5.3W,4.8b
NEIC VIII 10 09 27 57.4–1.3 11.03N 91.76E 30–8 5.3b,4.8b
DJA VIII 10 09 27 58 10.99N 91.87E 31 5.5b,4.8b
ISC Event type se.
SZGRF Andaman Islands, India, region.
ISCJB Event type se. Error ellipse: s-maj=3.5km s-min=2.2km az=29.7.
MOS Error ellipse: s-maj=6.7km s-min=3.6km az=122.1.
IDC Error ellipse: s-maj=14.3km s-min=10.3km az=70.0.
GCMT Event type se. Data Used: II IC G IU CN. Moment Tensor Solution. s45,c58; s77,c132; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.95±.05 $M_{\theta\theta}$-0.22±.03; $M_{\phi\phi}$1.18±.04; $M_{r\theta}$0.45±.10; $M_{\theta\phi}$0.33±.03; $M_{\phi r}$-0.03±.07; Best double couple: NP1:ϕ_s348.00000°,δ49.00000°,λ-127.00000°. NP2:ϕ_s217.00000°,δ53.00000°,λ-56.00000°. Principal axes: T 1.2600,Plg2.0000°,Azm283.0000°; N -0.0700,Plg27.0000°,Azm14.0000°; P -1.1800,Plg63.0000°,Azm189.0000° $M_0$1.20000×10^{17}
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=209.0.
ISC VIII 10 09 46 12.9–4.2 10.9N–.20 91.7E–.20 49–34 3.8b 19 10-93
IDC VIII 10 09 46 05.7–1.4 10.75N 91.56E 0 3.8,3.7b **¶11908025**
NEIC VIII 10 09 46 07.4–.62 10.77N 91.50E 10 4.2b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=24.8km az=46.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=9.6km az=51.0.
IDC VIII 10 10 34 12.1–1.2 10.74N 91.61E 0 4.1L,3.9
¶12581007
IDC Error ellipse: s-maj=43.3km s-min=20.1km az=59.0.
ISC VIII 10 10 39 02.0–.82 10.8N–.10 91.5E–.10 35 3.8b 14 10-72
IDC VIII 10 10 38 56.6–1.0 10.74N 91.46E 0 4.2s,4.2 **¶11908028**
NEIC VIII 10 10 38 58.1–.54 10.74N 91.47E 10 4.1b,4.2
ISCJB VIII 10 10 38 59.8–.82 10.8N–.10 91.6E–.10 33 3.8b,4.2
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 10 10 43 56.2–1.1 10.84N–.06 91.76E–.06 48–11 4.0b 37 10-137
IDC VIII 10 10 43 49.7–.95 10.95N 91.74E 0 3.9,3.8b **¶11377557**
BJI VIII 10 10 43 51.3 10.70N 92.50E 7 4.5s,4.3b
NEIC VIII 10 10 43 51.2–.57 10.87N 91.79E 10 4.3b,4.3b
ISCJB VIII 10 10 43 53.5–1.5 10.83N–.06 91.81E–.06 41–15 4.0b,4.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 10 11 18 53.9–3.4 10.91N–.07 91.64E–.07 25–24 3.9b 29 10-93
ISCJB VIII 10 11 18 50.0–3.9 10.93N–.07 91.73E–.08 11–24 3.9b **¶11908030**
IDC VIII 10 11 18 50.0–.89 10.91N 91.68E 0 3.9,3.8L
NEIC VIII 10 11 18 54.6–2.6 10.93N 91.68E 28–19 4.5b,3.8L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=11.0km az=20.0.
IDC Error ellipse: s-maj=27.0km s-min=18.5km az=51.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.9km az=179.0.
IDC VIII 10 11 28 21.8–2.0 10.92N 91.71E 0 3.9L,3.7
¶12581009
IDC Error ellipse: s-maj=66.6km s-min=22.0km az=67.0.
IDC VIII 10 11 29 59.5–1.6 10.91N 91.86E 0 3.8b,3.8
¶12581010
IDC Error ellipse: s-maj=46.6km s-min=21.9km az=65.0.
ISC VIII 10 11 48 08.5–5.2 10.85N–.07 91.82E–.08 15–33 4.0b 33 10-151
BJI VIII 10 11 48 05.4 10.58N 91.94E 22 4.3b,4.0s **¶11652872**
IDC VIII 10 11 48 06.1–.59 10.87N 91.78E 0 4.1,4.0b
ISCJB VIII 10 11 48 09.0–.46 10.76N–.07 91.74E–.07 33 4.1b,4.0b
NEIC VIII 10 11 48 09.0–3.1 10.86N 91.82E 18–19 4.2b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=14.0km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=9.2km az=41.8.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.3km az=46.0.
ISC VIII 10 12 20 56.2–.40 10.84N–.07 91.68E–.07 35 4.1b 39 10-147
IDC VIII 10 12 20 51.0–.60 10.88N 91.70E 0 4.1,4.0b **¶11160971**
NEIC VIII 10 12 20 52.6–.36 10.88N 91.73E 10 4.3b,4.0b
ISCJB VIII 10 12 20 53.9–.41 10.81N–.07 91.66E–.08 33 4.1b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 10 12 21 14.3–.69 11.04N–.02 91.75E–.02 27–4 5.4s,5.3b 824 1-170
BJI VIII 10 12 21 07.6 10.77N 91.61E 14 5.7s,5.5b **¶11908033**
IDC VIII 10 12 21 09.3–.45 11.00N 91.86E 0 5.4s,5.4
ISCJB VIII 10 12 21 10.7–.70 11.04N–.02 91.74E–.02 14–4 5.4s,5.3b
NEIC VIII 10 12 21 11.8–.17 10.95N 91.71E 13 5.6W,5.4b
SZGRF VIII 10 12 21 13.7 10.53N 91.50E 33 5.4b,5.4b
MOS VIII 10 12 21 13.5–1.1 11.09N 91.79E 33 5.6b,5.3s
GCMT VIII 10 12 21 19.1–.10 11.12N 91.84E 12 5.7W,5.3s
DJA VIII 10 12 21 20 11.57N 91.97E 44 5.3b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=11.9km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.0km az=31.6.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.4km az=209.0. Moment Tensor Solution. s65 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.80 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$1.20 $M_{r\theta}$0.24 $M_{\theta\phi}$1.14 $M_{\phi r}$-2.29 Best double couple: NP1:ϕ_s246.00000°,δ28.00000°,λ-22.00000°. NP2:ϕ_s355.00000°,δ80.00000°,λ-117.00000°. Principal axes: T 2.9100,Plg29.0000°,Azm106.0000°; N -0.2900,Plg26.0000°,Azm0.0000°; P -2.6200,Plg48.0000°,Azm236.0000° $M_0$2.80000×10^{17}
SZGRF Andaman Islands, India, region.
MOS Error ellipse: s-maj=8.0km s-min=3.7km az=120.9.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 90, comp=186, per= 50. Moment Tensor Solution. s84,c157; s48,c54; Moment tensor: Scale 10^{17}Nm; M_{rr}-2.73±.04 $M_{\theta\theta}$-0.74±.04; $M_{\phi\phi}$3.47±.04; $M_{r\theta}$2.22±.11; $M_{\theta\phi}$0.78±.03; $M_{\phi r}$-1.47±.10; Best double couple: NP1:ϕ_s218.00000°,δ44.00000°,λ-40.00000°. NP2:ϕ_s339.00000°,δ64.00000°,λ-126.00000°. Principal axes: T 3.8200,Plg11.0000°,Azm94.0000°; N 0.6900,Plg32.0000°,Azm357.0000°; P -4.5100,Plg56.0000°,Azm201.0000° $M_0$4.20000×10^{17}
IDC VIII 10 12 33 58.8–2.9 10.88N 91.77E 0 4.0,3.9b
¶12581011
IDC Error ellipse: s-maj=125.1km s-min=23.3km az=67.0.
ISC VIII 10 12 37 58.7–.58 10.76N–.08 91.53E–.08 35 3.9b 24 10-147
IDC VIII 10 12 37 54.0–.77 10.87N 91.62E 0 4.0,3.9b **¶11908035**
NEIC VIII 10 12 37 55.5–.41 10.88N 91.64E 10 4.5b,3.9b
ISCJB VIII 10 12 37 56.6–.59 10.79N–.08 91.60E–.08 33 3.9b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 10 12 59 02.9–3.0 10.97N–.07 91.78E–.07 22–21 4.2b 59 10-147
IDC VIII 10 12 58 59.6–.57 10.98N 91.78E 0 4.3L,4.3b **¶11232298**
BJI VIII 10 12 59 00.0 10.76N 91.89E 28 5.2b,5.1s
ISCJB VIII 10 12 59 02.8–.40 11.01N–.07 91.88E–.06 33 4.2b,5.1s
NEIC VIII 10 12 59 02.2–2.5 10.98N 91.76E 17–15 4.4b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=13.3km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=8.7km az=11.2.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=5.7km az=220.0.
IDC VIII 10 12 59 34.1–1.2 11.20N 91.34E 0 4.7s,4.7
¶12581012
IDC Error ellipse: s-maj=65.1km s-min=18.7km az=59.0.
ISC VIII 10 13 01 33.9–.82 10.97N–.02 91.81E–.02 25–5 5.0b,4.9s 478 9-160
DJA VIII 10 13 01 16 11.58N 90.66E 4 4.7b,4.9s **¶12788853**
BJI VIII 10 13 01 27.5 10.71N 91.74E 10 5.3b,5.2s
ISCJB VIII 10 13 01 29.7–.87 10.94N–.03 91.79E–.02 10–5 5.0b,4.9s
IDC VIII 10 13 01 29.7–.38 11.01N 91.84E 0 4.8,4.8b
NEIC VIII 10 13 01 31.6–.15 10.99N 91.79E 10 5.1b,4.9s
SZGRF VIII 10 13 01 32.1 10.85N 92.52E 33 5.0b,4.9s
MOS VIII 10 13 01 33.1–.80 10.99N 91.84E 33 5.2b,5.0s
GCMT VIII 10 13 01 35.6–.20 11.04N 91.94E 12 5.3W,5.0s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.7km az=32.5.
IDC Error ellipse: s-maj=15.0km s-min=10.3km az=66.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=214.0.
SZGRF Andaman Islands, India, region.
MOS Error ellipse: s-maj=8.2km s-min=4.3km az=122.5.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s49,c72; s84,c136; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s218.00000°,δ30.00000°,λ-36.00000°. NP2:ϕ_s341.00000°,δ73.00000°,λ-115.00000°. Principal axes: T 0.9700,Plg24.0000°,Azm90.0000°; N 0.1300,Plg24.0000°,Azm349.0000°; P -1.1000,Plg55.0000°,Azm219.0000° $M_0$1.00000×10^{17}
ISC VIII 10 13 36 05.6–.85 10.9N–.10 91.8E–.20 35 3.9b 11 10-137
IDC VIII 10 13 36 00.4–1.2 10.82N 91.71E 0 3.8b,3.8 **¶11908038**
NEIC VIII 10 13 36 02.0–.59 10.82N 91.72E 10 4.2b,3.8
ISCJB VIII 10 13 36 03.5–.85 10.9N–.10 91.8E–.20 33 3.9b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 10 13 47 12.1–3.6 10.88N 91.61E 0 3.7,3.6b
¶12581013
IDC Error ellipse: s-maj=144.1km s-min=23.9km az=66.0.
IDC VIII 10 13 51 03.3–3.9 10.56N 91.11E 0 3.7,3.6b
¶12581014
IDC Error ellipse: s-maj=145.9km s-min=28.6km az=68.0.
ISC VIII 10 14 16 54.2–.75 10.8N–.10 91.8E–.10 35 3.9b 9 10-64
IDC VIII 10 14 16 49.3–1.8 10.86N 91.91E 0 3.7L,3.7b **¶11908042**
NEIC VIII 10 14 16 50.6–.62 10.86N 91.84E 10 4.5b,3.7b
ISCJB VIII 10 14 16 51.7–.75 10.7N–.10 91.7E–.10 33 3.9b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 10 14 57 42.3–1.2 10.6N–.10 91.2E–.20 35 3.9b 10 11-93
IDC VIII 10 14 57 37.5–1.7 10.66N 91.19E 0 3.9b,3.9 **¶11908045**
NEIC VIII 10 14 57 38.2–1.1 10.57N 91.07E 10 4.5b,3.9
ISCJB VIII 10 14 57 40.5–1.2 10.6N–.10 91.3E–.20 33 3.9b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 10 15 06 34.0–5.8 10.75N–.09 91.78E–.09 5–37 3.9b 22 10-124
IDC VIII 10 15 06 33.8–.95 10.87N 91.98E 0 4.0,3.9 **¶11652875**
NEIC VIII 10 15 06 34.7–.58 10.78N 91.80E 10 4.2b,3.9
BJI VIII 10 15 06 36.7 10.80N 91.80E 10 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=50.6km s-min=15.0km az=57.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=12.6km az=48.0.
ISC VIII 10 15 28 59.6–.64 10.73N–.08 91.59E–.09 35 3.9b 21 10-138
IDC VIII 10 15 28 54.7–.89 10.77N 91.65E 0 4.0,3.9b **¶11908046**
NEIC VIII 10 15 28 56.5–.52 10.82N 91.71E 10 4.3b,3.9b
ISCJB VIII 10 15 28 57.6–.63 10.77N–.08 91.67E–.09 33 3.9b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 10 19 13 10.5–.64 10.95N–.09 91.8E–.10 35 4.0b 17 10-137
IDC VIII 10 19 13 05.9–1.2 11.01N 91.91E 0 3.9b,3.9 **¶11908053**
NEIC VIII 10 19 13 07.0–.54 11.01N 91.85E 10 4.7b,3.9
ISCJB VIII 10 19 13 08.1–.64 10.91N–.09 91.7E–.10 33 4.0b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 11 02 20 12.9–4.8 11.0N–.10 91.8E–.10 33–37 3.8b 10 10-64
IDC VIII 11 02 20 07.8–1.1 10.93N 91.75E 0 4.0L,3.9 **¶11908063**
NEIC VIII 11 02 20 09.6–.61 10.98N 91.82E 10 4.0L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=18.5km az=62.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=11.5km az=141.0.
ISC VIII 11 06 19 11.8–.99 11.0N–.10 91.7E–.10 35 3.9b 16 10-123
IDC VIII 11 06 19 06.3–1.1 10.91N 91.70E 0 3.9b,3.9 **¶11908072**
NEIC VIII 11 06 19 07.7–.76 10.89N 91.69E 10 4.0b,3.9
ISCJB VIII 11 06 19 09.7–.99 11.0N–.10 91.8E–.10 33 3.9b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 11 08 22 23.0–2.5 10.92N 91.81E 0 4.0,3.9b
¶12581021
IDC Error ellipse: s-maj=114.0km s-min=20.0km az=66.0.
IDC VIII 11 17 14 26.4–2.0 10.79N 91.69E 0 4.0,3.9b
¶12581030
IDC Error ellipse: s-maj=91.4km s-min=20.1km az=62.0.
ISC VIII 12 17 38 48.9–.79 10.9N–.10 91.79E–.09 35 4.0b,3.2s 28 10-72
BJI VIII 12 17 38 43.6 10.72N 91.92E 17 4.8b,4.2b **¶11652901**
IDC VIII 12 17 38 43.5–1.1 10.80N 91.67E 0 4.0b,3.9
NEIC VIII 12 17 38 45.3–.63 10.87N 91.80E 10 4.3b,3.9
ISCJB VIII 12 17 38 46.4–.74 10.81N–.09 91.72E–.08 33 4.0b,3.2s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 12 19 52 06.6–1.3 10.96N–.04 91.76E–.03 9–8 4.3b,3.7s 192 9-146

IDC VIII 12 19 52 05.4–.54 10.99N 91.71E 0 4.3b,4.3 ¶13391566
BJI VIII 12 19 52 05.7 10.82N 91.78E 21 4.6b,4.4b
ISCJB VIII 12 19 52 06.0–.32 10.95N–.04 91.73E–.03 18 4.3b,3.7s
NEIC VIII 12 19 52 06.7–.24 10.99N 91.79E 10 4.5b,3.7s
MOS VIII 12 19 52 08.3–.83 11.04N 91.84E 33 4.6b,3.7s
DJA VIII 12 19 52 34 11.10N 91.56E 211 4.3b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=12.8km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=4.5km az=178.2.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.1km az=215.0.
MOS Error ellipse: s-maj=10.5km s-min=5.8km az=116.5.
IDC VIII 13 07 54 05.9–2.1 10.76N 91.38E 0 3.8L,3.7
¶12581046
IDC Error ellipse: s-maj=64.5km s-min=26.8km az=63.0.
IDC VIII 13 09 43 02.4–10 11.20N 91.30E 0 3.9,3.8
¶12581048
IDC Error ellipse: s-maj=620.1km s-min=30.8km az=62.0.
ISC VIII 13 10 11 18.5–.81 11.0N–.10 91.7E–.10 35 3.9b 13 10-72
IDC VIII 13 10 11 13.0–.99 10.88N 91.60E 0 4.0L,4.0 ¶11908148
NEIC VIII 13 10 11 14.6–.57 10.90N 91.64E 10 4.3b,4.0
ISCJB VIII 13 10 11 16.3–.81 11.0N–.10 91.8E–.10 33 3.9b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 15 09 54 42.1–3.6 11.37N 93.19E 0 3.8,3.6b
¶12581097
IDC Error ellipse: s-maj=146.4km s-min=24.4km az=65.0.
IDC VIII 18 12 58 36.3–1.6 10.82N 91.67E 0 3.7,3.6L
¶12581171
IDC Error ellipse: s-maj=60.9km s-min=19.7km az=69.0.
IDC VIII 18 13 00 51.2–1.8 10.85N 91.72E 0 3.8L,3.7
NEIC VIII 18 13 00 52.4–.97 10.83N 91.66E 10 3.8L,3.7 ¶11908395
IDC Error ellipse: s-maj=61.8km s-min=20.4km az=65.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=12.6km az=72.0.
ISC VIII 18 15 05 00.4–1.3 11.0N–.10 91.8E–.20 35 3.6b 8 10-54
IDC VIII 18 15 04 54.8–1.8 10.89N 91.62E 0 3.7b,3.7 ¶11908400
NEIC VIII 18 15 04 56.3–1.0 10.92N 91.67E 10 3.7b,3.7
ISCJB VIII 18 15 04 58.5–1.3 11.0N–.10 91.9E–.20 33 3.6b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 19 19 38 30.4–.81 10.9N–.10 91.6E–.10 35 3.7b 19 10-59
IDC VIII 19 19 38 25.5–1.1 10.82N 91.62E 0 3.9b,3.9 ¶12581210
ISCJB VIII 19 19 38 28.1–.81 10.9N–.10 91.6E–.10 33 3.7b,3.9
IDC VIII 20 22 25 50.8–10 10.53N 91.21E 0 3.5,3.3b
¶12581241
IDC Error ellipse: s-maj=547.3km s-min=32.8km az=60.0.
IDC VIII 21 00 56 16.4–8.3 11.35N 92.37E 0 3.8,3.6b
¶12581245
IDC Error ellipse: s-maj=435.0km s-min=28.9km az=60.0.
IDC VIII 27 00 28 12.8–3.8 10.73N 91.89E 0 3.9,3.7b
¶12581448
IDC Error ellipse: s-maj=149.0km s-min=25.9km az=66.0.
ISC VIII 28 07 07 11.7–.56 12.15N–.06 92.52E–.05 26 4.0b 44 1-91
ISCJB VIII 28 07 07 09.8–.53 12.20N–.06 92.55E–.04 25 4.0b ¶11908981
NEIC VIII 28 07 07 11.4–.70 12.02N 92.41E 26 4.4b
IDC VIII 28 07 07 12.4–.88 12.17N 92.67E 26–4 4.1,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=3.5.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.2km az=72.0.
IDC Error ellipse: s-maj=28.7km s-min=13.1km az=64.0.
ISC VIII 29 06 43 08.7–1.8 10.93N–.05 91.81E–.04 13–11 4.5b,3.6s 109 1-147
BJI VIII 29 06 43 02.1 10.44N 91.80E 10 4.8b,4.7b ¶11223868
ISCJB VIII 29 06 43 05.3–1.5 10.88N–.05 91.78E–.04 4–9 4.5b,3.6s
NEIC VIII 29 06 43 08.2–.38 10.92N 91.80E 10 4.5b,3.6s
MOS VIII 29 06 43 09.2–.89 10.94N 91.92E 32 4.7b,3.6s
IDC VIII 29 06 43 11.9–.72 10.98N 91.86E 34–5 4.6L,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.6km az=17.2.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.9km az=224.0.
MOS Error ellipse: s-maj=14.8km s-min=7.2km az=104.6.
IDC Error ellipse: s-maj=23.6km s-min=11.7km az=58.0.
ISC VIII 29 16 48 46.3–4.1 10.75N–.07 91.73E–.07 10–26 4.1b,3.4s 31 10-76
BJI VIII 29 16 48 44.7 10.91N 91.64E 10 4.5b,4.4b ¶11653125
NEIC VIII 29 16 48 46.2–.50 10.73N 91.73E 10 4.1b,4.4b
IDC VIII 29 16 48 48.8–1.0 10.70N 91.63E 28–4 3.8b,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.0km az=50.0.
IDC Error ellipse: s-maj=33.0km s-min=12.9km az=56.0.
ISC VIII 29 17 44 52.4–1.2 13.72N–.10 93.81E–.06 35 3.7b 19 7-45
IDC VIII 29 17 44 44.6–2.1 13.54N 93.30E 0 4.0L,3.8 ¶11377749
NEIC VIII 29 17 44 46.2–1.2 13.57N 93.34E 10 4.0b,3.8
ISCJB VIII 29 17 44 50.5–1.2 13.75N–.10 93.88E–.06 33 3.7b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VIII 30 07 45 12.7–.54 11.07N–.03 91.73E–.03 37–4 4.7b,4.4s 313 9-147
BJI VIII 30 07 45 03.6 10.65N 91.80E 10 5.3b,4.9b ¶13392940
IDC VIII 30 07 45 06.9–.42 11.04N 91.81E 0 4.6b,4.6
ISCJB VIII 30 07 45 08.2–1.1 11.02N–.03 91.72E–.03 19–7 4.7b,4.4s
NEIC VIII 30 07 45 08.7–.21 11.05N 91.67E 10 4.8b,4.4s
MOS VIII 30 07 45 10.0–.94 11.01N 91.78E 33 5.1b,4.4s
SZGRF VIII 30 07 45 16.9 11.52N 91.14E 34 4.6b,4.4s
DJA VIII 30 07 45 29 11.82N 92.45E 147 4.4b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=10.7km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=4.4km az=23.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.7km az=216.0.
MOS Error ellipse: s-maj=8.1km s-min=4.6km az=118.5.
SZGRF Andaman Islands, India, region.
ISC IX 05 18 54 21.7–.61 10.31N–.08 93.75E–.09 35 3.9b 27 8-73
IDC IX 05 18 54 16.2–.94 10.23N 93.64E 0 3.9b,3.9 ¶11909544
ISCJB IX 05 18 54 19.5–.61 10.33N–.08 93.80E–.09 33 3.9b,3.9
NEIC IX 05 18 54 21.3–5.1 10.30N 93.74E 33–36 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=15.5km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=15.0km s-min=8.8km az=143.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=7.1km az=60.0.
IDC IX 05 19 39 08.8–2.2 10.17N 93.62E 0 3.5b,3.5
¶11909548
IDC Error ellipse: s-maj=74.9km s-min=22.4km az=67.0.
ISC IX 06 12 26 08.6–.29 13.58N–.04 92.84E–.03 33 4.4b,3.9s 144 7-161
BJI IX 06 12 26 01.8 13.03N 92.77E 30 4.8b,4.6b ¶11232796
ISCJB IX 06 12 26 06.1–.28 13.51N–.04 92.81E–.03 31 4.4b,3.9s
IDC IX 06 12 26 08.0–.59 13.60N 92.99E 31–3 4.4,4.4
NEIC IX 06 12 26 08.1–.21 13.57N 92.87E 30 4.4,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=1.6.
IDC Error ellipse: s-maj=14.3km s-min=9.0km az=52.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.7km az=211.0.
ISC IX 07 09 00 29.1–.14 12.97N–.02 92.40E–.02 44 5.1b,4.2s 572 8-161
IDC IX 07 09 00 22.4–.38 12.95N 92.46E 0 5.1,5.1b ¶13393671
BJI IX 07 09 00 25.9 12.90N 92.39E 40 5.3b,5.0b
MOS IX 07 09 00 26.0–.85 13.00N 92.44E 33 5.3b,5.0b
ISCJB IX 07 09 00 26.9–.14 12.93N–.03 92.39E–.02 42 5.1b,4.2s
NEIC IX 07 09 00 28.5–.57 12.94N 92.39E 40–5 5.1b,4.2s
GCMT IX 07 09 00 30.7–.40 13.09N 92.49E 34–1 5.0W,4.2s
DJA IX 07 09 00 33 13.09N 92.61E 75 5.0b,4.2s
SZGRF IX 07 09 00 36.1 14.12N 92.07E 44 5.1b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=11.0km az=47.0.
MOS Error ellipse: s-maj=6.5km s-min=4.0km az=117.9.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.5km az=26.9.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=216.0.
GCMT Event type se. Data Used: II IU CN IC. Moment Tensor Solution. s22,c26; s61,c84; Moment tensor: Scale 10^{16}Nm; M_{rr}-1.82±.25 $M_{\theta\theta}$-0.67±.18; $M_{\phi\phi}$2.49±.18; $M_{r\theta}$-1.16±.18; $M_{\theta\phi}$2.17±.12; $M_{\phi r}$0.78±.18; Best double couple: NP1:ϕ_s62.00000°,δ58.00000°,λ-35.00000°. NP2:ϕ_s172.00000°,δ61.00000°,λ-143.00000°. Principal axes: T 3.6000,Plg2.0000° ,Azm296.0000°; N -0.4100,Plg44.0000°,Azm205.0000°; P -3.1800,Plg46.0000° ,Azm28.0000° $M_0$3.40000×10^{16}
SZGRF Andaman Islands, India, region.
IDC IX 09 13 22 40.2–2.5 10.27N 91.03E 0 3.5,3.3b
¶11909875
IDC Error ellipse: s-maj=75.9km s-min=29.4km az=68.0.
IDC IX 10 19 36 05.3–9.4 11.49N 92.69E 0 3.4,3.3b
¶11909991
IDC Error ellipse: s-maj=508.5km s-min=29.9km az=60.0.
IDC IX 12 18 40 19.9–37 11.87N 91.52E 0 3.5,3.4L
¶11910117
IDC Error ellipse: s-maj=801.5km s-min=51.6km az=107.0.
IDC IX 12 23 51 47.2–10 11.34N 92.66E 0 3.8,3.6b
¶11910144
IDC Error ellipse: s-maj=226.8km s-min=46.4km az=100.0.
IDC IX 14 05 33 10.1–1.8 10.08N 93.29E 0 3.7L,3.6
¶11910238
IDC Error ellipse: s-maj=68.3km s-min=24.2km az=61.0.
ISC IX 15 06 16 04.2–2.9 10.3N–.10 93.0E–.20 69–23 4.2b 31 10-148
IDC IX 15 06 15 55.4–.62 10.31N 92.92E 0 4.4,4.3b ¶11910322
BJI IX 15 06 15 56.8 10.31N 93.02E 20 4.7b,4.3b
ISCJB IX 15 06 16 01.2–3.9 10.3N–.10 92.9E–.20 59–32 4.3b,3.2s
NEIC IX 15 06 16 03.2–2.5 10.33N 92.97E 57–20 4.3b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=14.0km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=30.2km s-min=12.6km az=142.4.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=9.0km az=55.0.
IDC IX 15 06 42 14.7–1.8 10.94N 91.95E 0 4.0,3.8b
¶11910323
IDC Error ellipse: s-maj=86.0km s-min=17.6km az=62.0.
ISC IX 16 01 20 03.1–2.0 13.58N–.05 92.74E–.04 24–15 4.3b 50 2-121
IDC IX 16 01 19 58.9–.75 13.40N 92.71E 0 4.6L,4.5 ¶13394414
ISCJB IX 16 01 19 59.4–2.2 13.55N–.05 92.79E–.04 15–16 4.3b,4.5
NEIC IX 16 01 20 00.6–.36 13.49N 92.72E 10 4.9b,4.5
BJI IX 16 01 20 02.7 13.44N 93.35E 20 4.6b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=14.1km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=6.9km az=167.7.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.6km az=49.0.
ISC IX 16 05 38 20.5–.78 10.85N–.10 91.8E–.10 35 4.2b 19 10-72
IDC IX 16 05 38 15.3–1.5 10.85N 91.74E 0 4.3,4.2b ¶11910384
ISCJB IX 16 05 38 17.8–.84 10.8N–.10 91.6E–.20 33 4.2b,4.2b
NEIC IX 16 05 38 17.1–.71 10.85N 91.81E 10 4.3b,4.2b
BJI IX 16 05 38 21.1 11.49N 91.42E 15 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=57.1km s-min=16.9km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=24.8km s-min=10.6km az=146.2.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=9.2km az=66.0.
IDC IX 16 10 05 15.6–1.8 12.71N 93.43E 0 3.8,3.7b
¶11910390
IDC Error ellipse: s-maj=55.4km s-min=22.1km az=68.0.
ISC IX 18 20 32 48.3–.79 10.98N–.02 91.81E–.02 30–5 5.2b,4.3s 714 9-165
SZGRF IX 18 20 32 38.3 9.40N 91.58E 33 5.2b,4.3s ¶13394631
ISCJB IX 18 20 32 43.8–.82 10.96N–.03 91.81E–.02 13–5 5.2b,4.3s
BJI IX 18 20 32 44.7 11.08N 91.70E 6 5.4b,5.0b
NEIC IX 18 20 32 45.2–1.4 10.93N 91.78E 12–8 5.2b,5.0b
MOS IX 18 20 32 46.7–.87 11.05N 91.84E 31 5.4b,4.3s
IDC IX 18 20 32 48.3–.44 11.01N 91.83E 31–3 4.9L,4.9b
TEH IX 18 20 32 48.0 10.89N 91.80E 33 4.9L,4.9b
GCMT IX 18 20 32 50.1–.20 10.97N 91.83E 27–1 5.0W,4.9b
DJA IX 18 20 32 52 11.05N 91.87E 63 5.1b,4.9b
ISC Event type se.
SZGRF Nicobar Islands, India, region.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=3.0km az=22.4.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.6km az=220.0.
MOS Error ellipse: s-maj=7.0km s-min=3.7km az=118.7.
IDC Error ellipse: s-maj=13.2km s-min=8.9km az=42.0.
GCMT Event type se. Data Used: II IU G IC CN. Moment Tensor Solution. s42,c55; s65,c106; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.46±.21 $M_{\theta\theta}$-1.48±.14; $M_{\phi\phi}$4.94±.14; $M_{r\theta}$-0.96±.29; $M_{\theta\phi}$1.53±.11; $M_{\phi r}$0.39±.24; Best double couple: NP1:ϕ_s36.00000°,δ49.00000°,λ-55.00000°. NP2:ϕ_s170.00000°,δ51.00000°,λ-124.00000°. Principal axes: T 5.2900,Plg1.0000° ,Azm283.0000°; N -1.3400,Plg26.0000°,Azm192.0000°; P -3.9500,Plg64.0000° ,Azm15.0000° $M_0$4.60000×10^{16}
IDC IX 26 13 01 04.5–5.5 10.38N 91.69E 0 4.0,3.8b
¶11911088
IDC Error ellipse: s-maj=290.7km s-min=25.2km az=61.0.
IDC IX 29 00 11 57.8–12 11.87N 93.24E 0 3.6,3.3b
¶11911309
IDC Error ellipse: s-maj=680.2km s-min=27.3km az=60.0.
IDC X 01 08 20 42.6–2.3 13.04N 92.55E 0 3.5,3.4b
¶11911540
IDC Error ellipse: s-maj=69.1km s-min=29.6km az=68.0.
ISC X 03 17 48 23.7–2.4 10.69N–.06 91.70E–.05 24–17 4.1b,3.5s 83 10-93
IDC X 03 17 48 19.6–.77 10.58N 91.58E 0 4.0,3.9 ¶12065796
ISCJB X 03 17 48 21.1–2.4 10.70N–.06 91.72E–.05 19–17 4.1b,3.5s
NEIC X 03 17 48 24.3–2.3 10.73N 91.72E 28–16 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=14.7km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=7.5km az=6.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.0km az=46.0.
ISC X 03 21 19 51.7–3.0 10.67N–.07 91.67E–.07 33–22 3.9b 49 10-74
IDC X 03 21 19 46.6–.90 10.62N 91.52E 0 3.9b,3.9 ¶11327851
ISCJB X 03 21 19 47.3–3.1 10.62N–.08 91.69E–.07 18–22 3.9b,3.9
NEIC X 03 21 19 48.4–.50 10.67N 91.69E 10 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=16.0km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=10.6km az=41.2.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.0km az=54.0.
ISC X 03 21 20 25.0–.62 10.74N–.02 91.71E–.02 29–4 5.4b,5.1s 898 9-165
IDC X 03 21 20 20.6–.30 10.80N 91.74E 0 5.2,5.2b ¶13395914
BJI X 03 21 20 21.7 10.55N 91.67E 32 5.4b,5.3s
ISCJB X 03 21 20 21.4–.63 10.72N–.02 91.70E–.02 17–4 5.4b,5.1s
SZGRF X 03 21 20 21.8 10.38N 92.11E 33 5.4b,4.8s
MOS X 03 21 20 22.8–.96 10.80N 91.70E 26 5.6b,4.9s
NEIC X 03 21 20 23.8–2.1 10.76N 91.66E 19–12 5.6W,5.5b
DJA X 03 21 20 25 10.61N 91.77E 24 5.6W,5.5b
TEH X 03 21 20 26.0 10.76N 91.69E 35 5.6W,5.5b
GCMT X 03 21 20 27.2–.10 10.83N 91.80E 12 5.4W,5.5b
ISC Event type fe.
IDC Error ellipse: s-maj=10.6km s-min=8.6km az=33.0.
ISCJB Event type fe. Error ellipse: s-maj=3.7km s-min=2.5km az=25.8.
SZGRF Andaman Islands, India, region.
MOS Error ellipse: s-maj=6.4km s-min=3.5km az=120.6.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.6km az=210.0. Felt at Port Blair. Moment Tensor Solution. s62 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.89 $M_{\theta\theta}$0.87 $M_{\phi\phi}$1.02 $M_{r\theta}$0.43 $M_{\theta\phi}$0.23 $M_{\phi r}$-2.78 Best double couple: NP1:ϕ_s196.00000°,δ15.00000°,λ-70.00000°. NP2: ϕ_s355.00000°,δ76.00000°,λ-95.00000°. Principal axes: T 2.7000,Plg31.0000°,Azm89.0000° ; N 0.9300,Plg4.0000°,Azm356.0000°; P -3.6300,Plg58.0000°,Azm258.0000° $M_0$3.30000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=102, comp=207, per= 50. Moment Tensor Solution. s85,c145; s34,c35; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.45±.02 $M_{\theta\theta}$-0.07±.02; $M_{\phi\phi}$1.52±.02; $M_{r\theta}$0.74±.05; $M_{\theta\phi}$0.12±.01; $M_{\phi r}$-0.15±.04; Best double couple: NP1:ϕ_s206.00000°,δ48.00000°,λ-57.00000°. NP2:ϕ_s342.00000°,δ52.00000°,λ-121.00000°. Principal axes: T 1.5300,Plg2.0000°,Azm93.0000°; N 0.2500,Plg24.0000°,Azm2.0000° ; P -1.7800,Plg66.0000°,Azm188.0000° $M_0$1.70000×10^{17}

IDC X 03 21 36 13.3–2.3 10.54N 91.41E 0 3.5,3.4b
¶12065823

IDC Error ellipse: s-maj=69.8km s-min=26.1km az=69.0.
IDC X 03 21 40 11.8–7.0 11.11N 92.40E 0 3.7,3.5b
¶12065824

IDC Error ellipse: s-maj=356.7km s-min=24.0km az=61.0.
ISC X 03 21 40 45.3–.77 10.6N–.10 91.7E–.10 35 3.9b 32 11-78
IDC X 03 21 40 39.7–1.0 10.52N 91.52E 0 4.0,3.9b **¶12065825**
NEIC X 03 21 40 41.3–.57 10.53N 91.58E 10 4.0b,3.9b
ISCJB X 03 21 40 43.0–.77 10.6N–.10 91.7E–.10 33 3.9b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 03 21 44 16.4–2.5 10.06N 90.63E 0 3.5,3.4L
¶12065827

IDC Error ellipse: s-maj=74.0km s-min=30.1km az=68.0.
IDC X 03 21 57 24.9–14 11.52N 92.31E 0 3.6,3.5b
¶12065828

IDC Error ellipse: s-maj=762.4km s-min=27.7km az=62.0.
ISC X 03 21 57 38.8–1.1 10.7N–.10 91.6E–.20 35 3.8b 16 10-69
IDC X 03 21 57 33.3–1.5 10.65N 91.47E 0 3.8b,3.8 **¶12065829**
NEIC X 03 21 57 34.8–.91 10.66N 91.50E 10 4.3b,3.8
ISCJB X 03 21 57 36.6–1.1 10.7N–.10 91.6E–.20 33 3.8b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 03 22 15 43.7–6.8 10.58N–.10 91.6E–.10 12–42 4.0b 35 11-146
IDC X 03 22 15 41.9–.64 10.68N 91.74E 0 4.1,4.0b **¶12065830**
NEIC X 03 22 15 43.3–.46 10.59N 91.63E 10 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=15.8km az=64.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.6km az=60.0.
IDC X 03 22 55 00.1–1.4 10.34N 91.02E 0 3.7,3.5b
¶12065834

IDC Error ellipse: s-maj=47.0km s-min=20.6km az=59.0.
ISC X 03 22 57 35.7–1.9 10.57N–.06 91.55E–.05 15–11 4.5b,3.8s 222 11-147
BJI X 03 22 57 31.1 10.27N 90.96E 13 4.9b,4.5b **¶11327852**
IDC X 03 22 57 33.2–.53 10.64N 91.65E 0 4.3,4.2b
NEIC X 03 22 57 34.8–.26 10.60N 91.57E 10 4.6b,4.2b
MOS X 03 22 57 36.7–.95 10.68N 91.64E 33 4.8b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=12.6km az=57.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.4km az=63.0.
MOS Error ellipse: s-maj=14.3km s-min=5.7km az=116.7.
ISC X 03 23 02 17.2–2.9 10.74N–.07 91.72E–.07 28–21 4.0b,3.8s 43 10-124
IDC X 03 23 02 12.9–.69 10.73N 91.68E 0 4.1,4.0b **¶12065836**
NEIC X 03 23 02 17.3–.41 10.74N 91.73E 28 4.2b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=14.4km az=55.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.1km az=49.0.
IDC X 03 23 14 59.7–8.7 10.34N 91.81E 0 3.5,3.3b
¶12065839

IDC Error ellipse: s-maj=445.6km s-min=29.5km az=60.0.
IDC X 03 23 20 53.6–2.3 10.76N 91.67E 0 3.7L,3.6
¶12065840

IDC Error ellipse: s-maj=71.0km s-min=27.7km az=66.0.
IDC X 03 23 29 48.8–8.0 10.85N 91.96E 0 3.6,3.4b
¶12065842

IDC Error ellipse: s-maj=410.5km s-min=29.1km az=60.0.
IDC X 03 23 56 23.1–2.5 10.29N 91.08E 0 3.9,3.7b
¶12065846

IDC Error ellipse: s-maj=131.8km s-min=21.8km az=58.0.
ISC X 03 23 57 03.4–7.0 10.7N–.10 91.7E–.10 14–43 4.0b 33 10-75
IDC X 03 23 57 01.0–.86 10.70N 91.69E 0 4.0,3.9b **¶12065847**
ISCJB X 03 23 57 04.1–.70 10.8N–.10 91.8E–.10 33 4.0b,3.9b
NEIC X 03 23 57 05.8–.56 10.74N 91.77E 31 4.0b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=17.8km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=17.2km s-min=12.7km az=44.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.1km az=55.0.
IDC X 04 00 17 29.0–8.0 10.45N 91.42E 0 3.8,3.6b
¶12065854

IDC Error ellipse: s-maj=406.2km s-min=29.3km az=60.0.
ISC X 04 00 44 12.3–.68 10.7N–.10 91.77E–.10 10 3.8b 34 10-75
ISCJB X 04 00 44 10.3–.68 10.7N–.10 91.78E–.10 10 3.8b **¶12065858**
IDC X 04 00 44 10.5–.88 10.73N 91.73E 0 3.9,3.8
NEIC X 04 00 44 12.2–.55 10.72N 91.79E 10 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=11.8km az=39.0.
IDC Error ellipse: s-maj=27.7km s-min=18.3km az=51.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.5km az=46.0.
IDC X 04 01 26 54.5–2.2 11.28N 91.80E 0 3.9,3.8L
¶12065864

IDC Error ellipse: s-maj=72.3km s-min=25.8km az=67.0.
ISC X 04 01 37 45.3–2.0 10.5N–.10 91.5E–.10 36–17 4.0b,3.5s 45 11-76
IDC X 04 01 37 39.8–.94 10.51N 91.58E 0 4.0,3.9 **¶12065866**
NEIC X 04 01 37 41.8–.51 10.60N 91.72E 10 4.2b,3.9
ISCJB X 04 01 37 43.2–.59 10.53N–.09 91.64E–.07 33 4.0b,3.5s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 04 01 41 14.4–.63 10.53N–.10 91.6E–.10 27 3.7b 23 11-72
ISCJB X 04 01 41 12.0–.63 10.5N–.10 91.5E–.10 25 3.7b **¶12065867**
NEIC X 04 01 41 14.2–.45 10.54N 91.55E 25 3.8b
IDC X 04 01 41 14.0–1.2 10.54N 91.51E 25–6 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=12.5km az=142.6.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.2km az=53.0.
IDC Error ellipse: s-maj=53.0km s-min=17.2km az=57.0.
ISC X 04 02 05 55.0–.38 10.67N–.05 91.71E–.04 23 4.4b,3.7s 154 10-152
BJI X 04 02 05 47.1 10.25N 91.61E 10 4.9b,4.4b **¶11328037**
ISCJB X 04 02 05 52.8–.36 10.64N–.05 91.63E–.04 21 4.4b,3.7s
NEIC X 04 02 05 52.7–.32 10.63N 91.74E 10 4.4b,3.7s
MOS X 04 02 05 54.7–1.1 10.74N 91.77E 33 4.6b,3.7s
IDC X 04 02 05 54.9–.54 10.69N 91.65E 23–3 4.2,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=5.8km az=25.3.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.5km az=66.0.
MOS Error ellipse: s-maj=10.7km s-min=6.3km az=116.1.
IDC Error ellipse: s-maj=19.2km s-min=10.3km az=54.0.
IDC X 04 02 17 02.5–2.2 10.61N 91.78E 0 4.0L,4.0
¶12065872

IDC Error ellipse: s-maj=73.3km s-min=25.3km az=68.0.
IDC X 04 02 39 52.7–1.5 10.39N 91.13E 0 4.1L,3.8
¶12065873

IDC Error ellipse: s-maj=49.8km s-min=23.0km az=62.0.
IDC X 04 02 50 41.8–2.0 10.63N 91.74E 0 3.7L,3.7
¶12065876

IDC Error ellipse: s-maj=68.7km s-min=19.9km az=66.0.
ISC X 04 04 16 51.2–1.7 10.5N–.10 91.6E–.10 40–19 3.8b 23 10-74
IDC X 04 04 16 45.2–1.3 10.50N 91.49E 0 3.9,3.8 **¶12065880**
ISCJB X 04 04 16 47.3–4.9 10.5N–.10 91.6E–.10 26–37 3.8b,3.8
NEIC X 04 04 16 47.3–.41 10.60N 91.61E 10 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=59.8km s-min=16.3km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=12.4km az=41.1.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.6km az=46.0.
IDC X 04 08 27 08.5–8.1 10.81N 91.91E 0 3.4,3.3b
¶12065883

IDC Error ellipse: s-maj=414.9km s-min=29.8km az=60.0.
IDC X 04 08 28 11.9–2.0 10.56N 91.67E 26–6 3.9L,3.6
¶12065884

IDC Error ellipse: s-maj=72.8km s-min=20.3km az=65.0.
IDC X 04 10 24 42.6–7.4 10.21N 90.87E 0 3.5,3.4b
¶12065891

IDC Error ellipse: s-maj=365.6km s-min=28.8km az=60.0.
ISC X 04 10 29 01.3–.68 10.41N–.08 91.84E–.08 35 3.9b 29 11-74
IDC X 04 10 28 56.1–.92 10.50N 91.91E 0 3.8b,3.8 **¶12065892**
NEIC X 04 10 28 57.7–.77 10.44N 91.87E 10 4.5b,3.8
ISCJB X 04 10 28 59.3–.67 10.45N–.08 91.92E–.09 33 3.9b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 04 10 29 06.2–1.4 10.50N 91.58E 0 4.1b,4.1
¶12065893

IDC Error ellipse: s-maj=58.0km s-min=19.6km az=58.0.
ISC X 04 13 59 35.5–.62 10.55N–.09 91.66E–.10 10 4.0b 25 11-72
ISCJB X 04 13 59 33.3–.62 10.53N–.09 91.65E–.09 10 4.0b **¶12065904**
IDC X 04 13 59 33.7–1.3 10.53N 91.53E 0 3.8b,3.8
NEIC X 04 13 59 35.4–.53 10.55N 91.66E 10 4.2b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=12.3km az=138.9.
IDC Error ellipse: s-maj=50.2km s-min=19.2km az=59.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.8km az=49.0.
IDC X 04 14 16 39.5–2.3 10.30N 90.98E 0 3.6,3.5L
¶12065905

IDC Error ellipse: s-maj=71.0km s-min=23.3km az=71.0.
ISC X 04 16 10 33.2–.41 10.68N–.05 91.65E–.04 27 4.0b,3.8s 74 10-93
NEIC X 04 16 10 30.9–.42 10.72N 91.72E 10 4.3b,3.8s **¶11366360**
ISCJB X 04 16 10 31.1–.43 10.72N–.05 91.72E–.05 26 4.0b,3.8s
IDC X 04 16 10 33.1–.76 10.70N 91.68E 24–4 3.9,3.8s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.8km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=6.5km az=25.8.
IDC Error ellipse: s-maj=28.3km s-min=12.3km az=59.0.
ISC X 04 16 20 29.1–4.3 10.76N–.09 91.72E–.10 27–32 3.8b 23 10-69
IDC X 04 16 20 24.4–1.3 10.64N 91.63E 0 3.7b,3.7 **¶12065915**
NEIC X 04 16 20 29.2–3.9 10.78N 91.70E 26–29 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=21.2km az=57.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=11.3km az=82.0.
IDC X 04 17 33 04.8–5.4 10.80N 91.76E 26–7 3.5,3.3b
¶12065919

IDC Error ellipse: s-maj=273.2km s-min=20.6km az=60.0.
IDC X 04 21 35 18.0–2.0 10.93N 91.45E 0 3.5,3.4b
¶12065936

IDC Error ellipse: s-maj=66.0km s-min=21.7km az=67.0.
ISC X 04 21 46 37.2–1.0 10.6N–.10 91.6E–.20 28 3.7b 16 11-69
NEIC X 04 21 46 34.3–.81 10.54N 91.59E 10 3.7b **¶12065937**
ISCJB X 04 21 46 35.2–1.0 10.6N–.10 91.7E–.20 26 3.7b
IDC X 04 21 46 37.2–1.4 10.60N 91.64E 27–5 3.6b,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=11.8km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=14.8km az=158.5.
IDC Error ellipse: s-maj=50.9km s-min=15.0km az=64.0.
ISC X 04 22 38 15.3–4.2 10.47N–.08 91.56E–.06 14–27 3.7b 35 11-74
ISCJB X 04 22 38 12.5–3.5 10.43N–.08 91.54E–.07 10–22 3.7b **¶12065942**
IDC X 04 22 38 12.9–1.1 10.52N 91.49E 0 3.9,3.8
NEIC X 04 22 38 14.9–.47 10.52N 91.55E 10 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=11.2km az=19.5.
IDC Error ellipse: s-maj=36.5km s-min=21.4km az=53.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=8.4km az=62.0.
ISC X 11 17 16 08.3–.90 13.78N–.06 93.75E–.05 64–9 4.0b 62 6-150
ISCJB X 11 17 16 06.9–1.1 13.78N–.06 93.78E–.05 69–11 3.9b **¶12066596**
NEIC X 11 17 16 08.0–1.1 13.68N 93.79E 65–10 4.3b
IDC X 11 17 16 09.0–.84 13.71N 93.78E 70–7 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=7.5km az=30.5.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.7km az=122.0.
IDC Error ellipse: s-maj=20.4km s-min=12.3km az=64.0.
IDC X 17 02 36 57.4–2.2 10.61N 91.56E 0 3.9,3.8b
¶12068855

IDC Error ellipse: s-maj=127.2km s-min=19.8km az=57.0.
ISC X 17 17 23 12.0–.68 12.52N–.08 95.1E–.10 35 3.9b,3.2s 32 7-75
IDC X 17 17 23 06.7–1.1 12.46N 94.96E 0 3.7,3.6b **¶12068904**
ISCJB X 17 17 23 09.8–.68 12.52N–.08 95.1E–.10 33 3.9b,3.2s
NEIC X 17 17 23 11.2–.47 12.51N 95.03E 30 4.2b,3.2s
ISC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=19.9km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=11.4km az=156.7.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.1km az=65.0.
ISC X 17 19 12 35.9–.67 12.35N–.10 94.9E–.10 35 4.0b,3.1s 27 7-75
IDC X 17 19 12 31.0–1.0 12.36N 94.82E 0 3.8,3.7 **¶12068912**
NEIC X 17 19 12 32.1–.56 12.31N 94.85E 10 4.2b,3.7
ISCJB X 17 19 12 33.6–.67 12.36N–.10 95.0E–.10 33 4.0b,3.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 18 14 14 47.7–.90 13.88N–.06 93.64E–.05 73–11 3.7b 53 6-65
ISCJB X 18 14 14 46.3–1.1 13.88N–.06 93.68E–.06 78–13 3.7b **¶11478003**
IDC X 18 14 14 46.6–3.7 13.69N 93.81E 63–33 3.6,3.5
NEIC X 18 14 14 47.2–1.1 13.77N 93.62E 80–13 4.8b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.1km az=34.4.
IDC Error ellipse: s-maj=25.6km s-min=20.9km az=86.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.9km az=48.0.
ISC X 19 13 26 46.3–4.4 11.01N–.08 91.79E–.08 3–28 3.9b 53 10-88
IDC X 19 13 26 45.8–.90 10.95N 91.71E 0 4.0,3.9b **¶12069046**
NEIC X 19 13 26 46.7–3.5 11.02N 91.78E 7–23 4.5b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=16.9km az=54.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.5km az=51.0.
IDC X 23 12 48 24.0–15 10.25N 91.98E 0 3.4,3.2b
¶12070890

IDC Error ellipse: s-maj=526.1km s-min=36.7km az=74.0.
ISC X 23 15 31 35.0–.63 10.85N–.08 91.54E–.09 32 3.6b 28 10-64
ISCJB X 23 15 31 32.4–.63 10.83N–.07 91.54E–.10 30 3.6b **¶12070905**
NEIC X 23 15 31 34.6–.66 10.89N 91.52E 30 4.2b
IDC X 23 15 31 34.6–1.0 10.90N 91.53E 30–5 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=9.8km az=154.8.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.5km az=66.0.
IDC Error ellipse: s-maj=32.9km s-min=13.9km az=66.0.
IDC X 26 18 30 44.0–1.8 13.74N 93.15E 0 3.5,3.4L
¶12071181

IDC Error ellipse: s-maj=58.1km s-min=21.9km az=70.0.
ISC X 29 05 16 22.9–7.2 10.9N–.10 92.1E–.20 33–55 3.7b 20 11-137
NEIC X 29 05 16 20.1–.95 10.94N 92.20E 10 4.3b **¶12071430**
IDC X 29 05 16 23.5–2.3 10.95N 92.25E 30–6 3.7,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.9km s-min=10.5km az=66.0.
IDC Error ellipse: s-maj=102.4km s-min=15.3km az=63.0.
ISC X 31 20 00 54.5–.54 12.77N–.07 92.20E–.07 35 3.8b,3.5s 53 9-91
IDC X 31 20 00 49.1–.76 12.65N 92.16E 0 3.8,3.8 **¶12071763**
ISCJB X 31 20 00 52.4–.56 12.75N–.07 92.22E–.08 33 3.8b,3.5s
NEIC X 31 20 00 53.9–.63 12.77N 92.23E 30 4.1b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=15.8km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=13.5km s-min=7.8km az=140.3.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.2km az=50.0.
ISC XI 02 18 07 31.4–.47 11.31N–.06 95.07E–.09 35 4.2s,4.0b 53 8-94

IDC XI 02 18 07 26.4–.80 11.26N 94.95E 0 4.1,4.0 ¶11472909
NEIC XI 02 18 07 27.9–.25 11.27N 95.03E 10 4.3b,4.0
ISCJB XI 02 18 07 29.3–.47 11.34N–.06 95.14E–.09 33 4.2s,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 11 17 15 00.9–.73 13.12N–.05 92.55E–.05 41–7 4.2b,3.5s 87 1-135
IDC XI 11 17 14 54.8–.70 12.98N 92.49E 0 4.1,4.1L ¶12073195
ISCJB XI 11 17 14 59.3–.89 13.13N–.05 92.63E–.06 45–9 4.2b,3.5s
NEIC XI 11 17 15 00.6–.98 13.13N 92.56E 38–9 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=13.3km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.4km az=142.8.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.2km az=49.0.
ISC XI 15 09 35 49.8–5.2 12.9N–.10 93.27E–.10 28–37 3.8b 26 8-90
IDC XI 15 09 35 45.4–.99 12.87N 93.21E 0 4.2L,4.0 ¶12073613
ISCJB XI 15 09 35 47.2–5.1 12.9N–.10 93.33E–.10 23–36 3.8b,4.0
NEIC XI 15 09 35 50.8–.79 12.93N 93.29E 35 3.8b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=18.1km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=15.2km az=152.7.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=12.5km az=57.0.
ISC XI 16 11 37 39.5–.34 10.83N–.06 91.72E–.06 35 4.4b,3.5s 123 10-137
IDC XI 16 11 37 34.2–.54 10.80N 91.64E 0 4.4,4.3b ¶11484386
ISCJB XI 16 11 37 37.4–.34 10.84N–.06 91.75E–.06 33 4.4b,3.5s
MOS XI 16 11 37 37.4–.93 10.83N 91.81E 33 4.8b,3.5s
NEIC XI 16 11 37 40.0–2.1 10.84N 91.79E 39–19 4.6b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=12.9km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.6km az=143.6.
MOS Error ellipse: s-maj=14.8km s-min=7.3km az=109.2.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=6.7km az=52.0.
ISC XI 16 12 20 35.7–.73 10.88N–.02 91.70E–.02 17–4 5.2b,5.2s 736 6-165
SZGRF XI 16 12 20 30.0 10.07N 92.29E 17 5.1b,5.1s ¶11453299
ISCJB XI 16 12 20 31.5–.66 10.87N–.02 91.70E–.02 2–4 5.2b,5.2s
IDC XI 16 12 20 32.8–.37 10.83N 91.69E 0 5.1,5.1b
MOS XI 16 12 20 35.0–.98 10.87N 91.72E 25 5.5b,5.1s
BJI XI 16 12 20 35.6 10.93N 91.68E 24 5.4s,5.4b
NEIC XI 16 12 20 36.9–1.7 10.83N 91.71E 27–11 5.4b,5.4b
GCMT XI 16 12 20 38.8–.10 10.88N 91.82E 12 5.5W,5.4b
DJA XI 16 12 20 45 11.12N 92.07E 82 5.4W,5.4b
ISC Event type fe.
SZGRF Andaman Islands, India, region.
ISCJB Event type fe. Error ellipse: s-maj=4.0km s-min=2.7km az=29.2.
IDC Error ellipse: s-maj=12.5km s-min=8.8km az=48.0.
MOS Error ellipse: s-maj=7.1km s-min=3.9km az=116.1.
NEIC Event type fe. Error ellipse: s-maj=5.7km s-min=3.9km az=47.0. Felt [IV] at Port Blair.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves from 102 sta. Moment Tensor Solution. s91,c160; s99,c211; Moment tensor: Scale 10^{17}Nm; M_{rr}-1.87±.02 $M_{\theta\theta}$-0.17±.02; $M_{\phi\phi}$2.04±.02; $M_{r\theta}$0.92±.05; $M_{\theta\phi}$0.55±.02; $M_{\theta r}$-0.30±.05; Best double couple: NP1: ϕ_s216.00000°,δ49.00000°,λ-55.00000°. NP2:ϕ_s350.00000°,δ52.00000°,λ-123.00000°. Principal axes: T 2.1700,Plg1.0000°,Azm103.0000°; N 0.1500,Plg25.0000°,Azm12.0000° ; P -2.3300,Plg65.0000°,Azm196.0000° $M_0$2.30000×10^{17}
ISC XI 16 12 25 08.8–.84 10.8N–.10 91.7E–.20 35 4.3b 27 21-137
IDC XI 16 12 25 03.3–1.1 10.68N 91.52E 0 4.4,4.3b ¶12073744
ISCJB XI 16 12 25 06.6–.83 10.8N–.10 91.7E–.20 33 4.3b,4.3b
NEIC XI 16 12 25 09.2–.79 10.83N 91.70E 35 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=52.5km s-min=15.2km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=30.5km s-min=11.0km az=147.1.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=11.3km az=57.0.
IDC XI 16 12 29 35.3–3.0 10.68N 91.51E 0 3.7,3.6b
¶12073745
IDC Error ellipse: s-maj=127.4km s-min=22.9km az=62.0.
ISC XI 16 13 41 21.9–6.8 10.76N–.09 91.7E–.10 9–42 4.2b 44 10-137
ISCJB XI 16 13 41 20.0–6.4 10.77N–.09 91.8E–.10 7–39 4.2b ¶12073752
IDC XI 16 13 41 20.6–.92 10.76N 91.68E 0 4.3,4.2b
NEIC XI 16 13 41 25.8–4.2 10.80N 91.82E 33–28 4.3b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=9.7km az=150.4.
IDC Error ellipse: s-maj=41.6km s-min=14.6km az=59.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=7.0km az=64.0.
ISC XI 16 13 46 26.0–.83 10.82N–.05 91.74E–.04 35–7 4.5b,3.9s 185 9-147
IDC XI 16 13 46 20.8–.53 10.83N 91.73E 0 4.4,4.3 ¶11473044
ISCJB XI 16 13 46 23.1–1.4 10.81N–.04 91.77E–.04 29–9 4.5b,3.9s
MOS XI 16 13 46 24.5–.86 10.86N 91.83E 38 5.0b,3.9s
BJI XI 16 13 46 25.2 10.68N 91.86E 55 4.8b,4.6b
NEIC XI 16 13 46 26.4–1.2 10.84N 91.79E 38–11 4.6b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=12.7km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=6.3km az=29.1.
MOS Error ellipse: s-maj=12.1km s-min=6.6km az=104.6.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=5.8km az=63.0.
ISC XI 16 14 27 39.5–4.4 10.8N–.20 91.9E–.20 41–36 3.9b 25 10-93
IDC XI 16 14 27 33.4–1.7 10.76N 91.77E 0 3.9L,3.9b ¶12073756
NEIC XI 16 14 27 39.6–2.7 10.84N 91.90E 42–22 4.0b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=61.7km s-min=17.1km az=64.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=7.0km az=57.0.
ISC XI 16 14 40 32.6–1.7 10.83N–.10 91.82E–.07 37–15 4.0b 34 10-123
IDC XI 16 14 40 27.4–1.3 10.79N 91.84E 0 4.1,4.0L ¶12073757
ISCJB XI 16 14 40 30.5–4.2 10.8N–.10 91.87E–.09 33–29 4.0b,4.0L
NEIC XI 16 14 40 33.1–3.0 10.82N 91.89E 39–23 3.9b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=52.7km s-min=17.9km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=10.2km az=32.9.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=8.1km az=55.0.
ISC XI 16 15 10 05.7–2.2 10.8N–.30 91.8E–.60 35 3.4b 14 37-54
IDC XI 16 15 10 00.6–2.9 10.73N 91.80E 0 3.6,3.5b ¶12073759
ISCJB XI 16 15 10 03.3–2.3 10.7N–.30 91.8E–.60 33 3.4b,3.5b
NEIC XI 16 15 10 05.8–1.6 10.78N 91.83E 35 3.4b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=123.5km s-min=20.2km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=96.5km s-min=14.6km az=151.5.
NEIC Event type se. Error ellipse: s-maj=72.8km s-min=11.1km az=62.0.
ISC XI 18 02 01 29.6–4.4 10.8N–.20 91.7E–.20 36–37 3.9b 25 10-93
IDC XI 18 02 01 23.9–1.0 10.74N 91.66E 0 4.0,3.8b ¶12073954
NEIC XI 18 02 01 25.6–.53 10.78N 91.66E 10 4.3b,3.8b
ISCJB XI 18 02 01 27.3–.72 10.82N–.10 91.8E–.10 33 3.9b,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC XI 19 17 11 34.2–3.1 10.78N 91.51E 0 4.3s,4.3
¶12074161
IDC Error ellipse: s-maj=125.5km s-min=19.6km az=65.0.
IDC XI 22 23 06 46.5–2.9 11.40N 91.63E 0 3.7,3.5b
¶12074540
IDC Error ellipse: s-maj=119.3km s-min=22.0km az=63.0.
IDC XI 27 12 22 59.0–3.5 10.83N 91.56E 0 3.7,3.6b
¶12075031
IDC Error ellipse: s-maj=144.1km s-min=21.0km az=64.0.
IDC XII 01 12 57 27.2–6.9 12.64N 92.31E 0 3.4,3.3b
¶12075409
IDC Error ellipse: s-maj=373.8km s-min=28.5km az=60.0.
IDC XII 02 23 00 32.8–1.4 13.73N 92.96E 0 3.8L,3.6
¶12075558
IDC Error ellipse: s-maj=40.8km s-min=26.0km az=51.0.
IDC XII 27 21 01 20.1–2.2 13.41N 93.19E 0 3.5,3.4b
¶12079215
IDC Error ellipse: s-maj=68.3km s-min=29.6km az=68.0.

(704) Nicobar Islands region.
ISC VII 01 03 49 15.2–1.8 7.5N–.10 94.3E–.20 123–18 4.2b 25 7-151
ISCJB VII 01 03 49 14.7–2.2 7.5N–.10 94.3E–.20 137–21 4.1b ¶11799132
IDC VII 01 03 49 15.3–3.8 7.56N 94.33E 120–37 3.7b,3.7
NEIC VII 01 03 49 15.9–1.6 7.52N 94.38E 129–16 4.2b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.9km s-min=11.8km az=154.1.
IDC Error ellipse: s-maj=39.4km s-min=16.1km az=78.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=8.2km az=74.0.
ISC VII 01 19 31 29.5–2.0 7.52N–.10 94.6E–.10 53–18 3.8b 21 6-80
IDC VII 01 19 31 21.8–.93 7.45N 94.35E 0 3.9,3.8b ¶11799200
ISCJB VII 01 19 31 27.4–2.5 7.54N–.09 94.6E–.10 50–23 3.8b,3.8b
NEIC VII 01 19 31 28.3–2.4 7.48N 94.50E 45–22 3.8b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=18.5km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=25.5km s-min=10.7km az=152.2.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=10.5km az=68.0.
ISC VII 01 19 35 42.4–1.1 7.63N–.05 94.49E–.08 56–11 4.3b 51 7-147
IDC VII 01 19 35 35.1–.58 7.68N 94.33E 0 4.0b,4.0 ¶11226967
ISCJB VII 01 19 35 39.8–1.4 7.63N–.05 94.47E–.08 49–13 4.3b,4.0
BJI VII 01 19 35 40.2 7.62N 94.27E 26 4.6b,4.5b
NEIC VII 01 19 35 41.6–1.3 7.67N 94.46E 52–13 4.3b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=14.3km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=7.4km az=159.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=6.5km az=69.0.
ISC VII 01 19 40 37.7–.48 7.70N–.03 94.43E–.03 55–5 4.6b,4.0s 158 2-147
IDC VII 01 19 40 30.1–.49 7.72N 94.37E 0 4.3,4.2 ¶11006835
MOS VII 01 19 40 33.3–.97 7.72N 94.51E 33 4.8b,4.1s
ISCJB VII 01 19 40 35.2–.63 7.68N–.03 94.39E–.04 49–6 4.6b,4.0s
BJI VII 01 19 40 36.4 7.54N 94.32E 65 4.8b,4.5b
NEIC VII 01 19 40 36.5–.83 7.73N 94.49E 49–8 4.6b,4.5b
DJA VII 01 19 41 01 6.27N 95.40E 15 4.6b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=19.6km s-min=12.5km az=70.0.
MOS Error ellipse: s-maj=11.8km s-min=6.7km az=112.8.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.9km az=148.5.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.9km az=69.0.
ISC VII 01 19 52 37.4–1.5 7.69N–.07 94.57E–.10 63–15 4.1b 41 6-147
IDC VII 01 19 52 29.0–.61 7.69N 94.46E 0 3.9b,3.9 ¶11799201
ISCJB VII 01 19 52 33.9–2.1 7.69N–.06 94.53E–.10 48–20 4.1b,3.9
NEIC VII 01 19 52 33.6–.52 7.65N 94.46E 35 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=14.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=8.3km az=153.5.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.0km az=49.0.
ISC VII 01 20 14 56.0–3.1 7.6N–.10 94.4E–.10 28–23 3.8b 16 7-56
IDC VII 01 20 14 52.6–2.8 7.87N 94.69E 0 3.4,3.3b ¶11799204
NEIC VII 01 20 14 55.9–1.0 7.53N 94.23E 35 4.3b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=162.7km s-min=20.0km az=57.0.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=10.6km az=56.0.
IDC VII 18 05 59 52.4–1.7 6.36N 94.51E 0 3.8,3.7b
¶12698281
IDC Error ellipse: s-maj=55.4km s-min=28.0km az=55.0.
IDC VII 20 05 00 48.5–2.6 7.64N 93.49E 0 3.8,3.8
¶12698339
IDC Error ellipse: s-maj=147.7km s-min=27.0km az=58.0.
ISC VII 23 17 24 47.1–3.9 6.1N–.20 94.6E–.40 100–29 3.7b 11 5-51
ISCJB VII 23 17 24 45.8–4.1 6.1N–.20 94.6E–.40 106–32 3.7b ¶11812455
NEIC VII 23 17 24 45.7–3.2 6.02N 94.47E 90–23 4.2b
IDC VII 23 17 24 46.1–5.6 6.11N 94.64E 88–44 3.5,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=65.5km s-min=14.2km az=153.3.
NEIC Event type se. Error ellipse: s-maj=52.3km s-min=11.2km az=67.0.
IDC Error ellipse: s-maj=84.9km s-min=18.0km az=62.0.
IDC VII 23 19 14 31.1–1.6 7.17N 92.31E 0 3.9,3.8b
NEIC VII 23 19 14 35.6–.97 7.13N 92.27E 35 3.9,3.8b ¶11812468
IDC Error ellipse: s-maj=64.0km s-min=16.6km az=62.0.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=10.8km az=61.0.
IDC VII 26 09 02 55.6–2.0 8.67N 93.36E 24–6 3.6,3.5
¶12698440
IDC Error ellipse: s-maj=105.1km s-min=27.0km az=59.0.
IDC VIII 09 10 06 30.9–2.3 9.75N 92.35E 0 4.1L,3.9
¶12580988
IDC Error ellipse: s-maj=77.1km s-min=29.2km az=71.0.
IDC VIII 15 20 34 59.8–2.4 9.07N 92.28E 0 3.4,3.3b
¶12581112
IDC Error ellipse: s-maj=74.9km s-min=23.5km az=69.0.
ISC VIII 17 09 34 05.8–.80 8.2N–.10 93.7E–.10 35 4.0b 27 11-139
IDC VIII 17 09 34 00.5–1.1 8.27N 93.48E 0 4.1L,4.1 ¶12581150
ISCJB VIII 17 09 34 03.8–.80 8.3N–.10 93.7E–.10 33 4.0b,4.1
ISC VIII 23 23 11 16.6–1.1 8.92N–.09 92.22E–.06 37–11 3.9b,3.4s 24 9-146
ISCJB VIII 23 23 11 11.6–3.4 8.89N–.09 92.24E–.06 17–25 3.9b,3.4s ¶11908663
IDC VIII 23 23 11 11.6–.82 9.00N 92.21E 0 3.9,3.9L
NEIC VIII 23 23 11 15.4–2.6 8.96N 92.21E 26–19 4.3b,3.9L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=8.1km az=28.6.
IDC Error ellipse: s-maj=32.5km s-min=19.8km az=59.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=9.0km az=219.0.
ISC VIII 25 06 47 08.2–6.7 9.2N–.30 93.0E–.40 68–51 3.9b 10 9-94
IDC VIII 25 06 46 59.3–1.4 9.13N 92.84E 0 4.1L,4.0 ¶11908739
NEIC VIII 25 06 47 03.9–.98 9.08N 92.78E 35 4.1L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=17.3km az=62.0.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=14.8km az=64.0.
ISC IX 04 06 46 47.1–1.2 10.0N–.10 93.1E–.20 35 3.7b 9 10-52
IDC IX 04 06 46 41.6–1.9 9.85N 92.96E 0 4.2L,3.7 ¶11909441
ISCJB IX 04 06 46 45.1–1.2 10.0N–.10 93.2E–.20 33 3.7b,3.7
NEIC IX 04 06 46 47.0–.83 9.93N 93.06E 35 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=74.3km s-min=20.9km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=31.7km s-min=15.9km az=154.5.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=11.5km az=64.0.
ISC IX 06 11 37 54.6–.84 8.6N–.10 93.5E–.20 35 4.0b 15 11-125
IDC IX 06 11 37 49.1–1.1 8.50N 93.34E 0 4.1L,4.0 ¶11909602
ISCJB IX 06 11 37 52.4–.84 8.6N–.10 93.5E–.20 33 4.0b,4.0
NEIC IX 06 11 37 54.7–.60 8.57N 93.45E 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=18.8km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=14.6km az=146.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=11.2km az=55.0.
ISC IX 10 22 23 18.8–3.4 9.0N–.10 93.17E–.09 16–23 3.8b,3.6s 17 8-50
IDC IX 10 22 23 16.1–2.7 9.04N 93.16E 0 4.3L,3.5 ¶11910008
ISCJB IX 10 22 23 18.7–.76 8.98N–.10 93.18E–.09 33 3.8b,3.6s
NEIC IX 10 22 23 20.5–2.9 9.05N 93.18E 30–24 4.1b,3.6s
ISC Event type se.
IDC Error ellipse: s-maj=79.4km s-min=28.9km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=11.5km az=29.6.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.5km az=205.0.
IDC IX 18 16 56 03.5–3.6 9.12N 92.51E 0 3.5,3.4b
¶11910564
IDC Error ellipse: s-maj=136.6km s-min=24.3km az=65.0.
ISC IX 20 17 35 49.7–1.1 8.44N–.06 93.89E–.08 55–11 4.0b,3.5s 35 7-145
IDC IX 20 17 35 46.2–.82 8.44N 93.81E 24–4 3.8,3.8L ¶11910715
ISCJB IX 20 17 35 47.2–1.5 8.44N–.07 93.90E–.08 49–15 4.0b,3.5s
NEIC IX 20 17 35 49.3–.98 8.44N 93.89E 51–10 4.5b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=13.2km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=10.5km az=161.0.

NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.1km az=69.0.
IDC IX 25 21 18 07.1–2.7 7.10N 91.89E 0 3.7L,3.6
¶11911044

IDC Error ellipse: s-maj=86.8km s-min=24.7km az=68.0.
IDC IX 26 07 49 11.9–2.3 8.18N 91.86E 0 3.9,3.7b
¶11911074

IDC Error ellipse: s-maj=77.7km s-min=22.3km az=69.0.
ISC IX 27 04 54 35.9–2.6 9.0N–.10 93.9E–.30 80–24 3.7b 12 8-152
NEIC IX 27 04 54 31.3–.75 8.87N 93.56E 35 3.9b **¶11911155**
ISCJB IX 27 04 54 34.0–3.2 9.0N–.10 93.9E–.20 80–29 3.7b
IDC IX 27 04 54 34.3–4.5 8.96N 93.80E 62–41 3.8L,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=13.2km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=43.6km s-min=15.8km az=158.5.
IDC Error ellipse: s-maj=55.6km s-min=19.2km az=61.0.
IDC IX 28 15 20 40.2–5.6 9.56N 92.67E 0 3.7L,3.7
¶11911275

IDC Error ellipse: s-maj=123.6km s-min=43.9km az=92.0.
IDC X 05 13 15 20.9–7.6 6.98N 93.94E 0 3.8b,3.8
¶12066005

IDC Error ellipse: s-maj=182.6km s-min=43.4km az=86.0.
ISC X 10 00 45 26.2–1.8 9.8N–.10 92.74E–.09 52–16 4.0b 27 10-93
IDC X 10 00 45 19.4–1.6 9.80N 92.67E 0 4.5L,4.0 **¶12066473**
ISCJB X 10 00 45 23.1–2.6 9.8N–.10 92.72E–.09 41–23 4.0b,4.0
NEIC X 10 00 45 23.9–.47 9.73N 92.61E 35 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=63.4km s-min=17.0km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=20.0km s-min=12.3km az=37.5.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.2km az=66.0.
ISC X 10 03 24 04.0–5.6 8.4N–.10 92.3E–.20 20–39 3.9b 24 12-74
IDC X 10 03 24 00.9–1.4 8.37N 92.26E 0 4.2L,4.0 **¶12066480**
ISCJB X 10 03 24 03.9–.82 8.4N–.10 92.3E–.10 33 3.9b,4.0
NEIC X 10 03 24 06.1–.59 8.41N 92.33E 35 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=57.7km s-min=17.9km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=24.3km s-min=11.8km az=143.9.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=8.9km az=60.0.
ISC X 30 12 29 00.1–1.1 6.98N–.09 94.4E–.10 116–11 3.8b 41 2-147
IDC X 30 12 28 58.7–3.4 7.13N 94.53E 99–30 3.7,3.6b **¶12071623**
ISCJB X 30 12 28 59.2–1.2 6.92N–.09 94.4E–.10 125–11 3.8b,3.6b
NEIC X 30 12 29 01.2–1.8 6.99N 94.47E 125–16 4.2b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=12.3km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=11.8km az=151.9.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=10.3km az=67.0.
IDC XI 16 13 23 52.4–14 9.46N 90.27E 0 3.7,3.6b
¶12073750

IDC Error ellipse: s-maj=688.1km s-min=28.0km az=62.0.
ISC XI 19 17 14 20.9–.37 8.65N–.02 93.60E–.02 49–3 5.2b,4.5s 795 4-168
BJI XI 19 17 14 15.5 8.39N 93.45E 42 5.2b,5.0b **¶13400618**
SZGRF XI 19 17 14 15.5 8.30N 92.94E 33 5.3b,5.0b
ISCJB XI 19 17 14 17.7–.46 8.65N–.02 93.58E–.02 36–4 5.2b,4.5s
IDC XI 19 17 14 19.9–1.4 8.75N 93.77E 39–11 4.9,4.9
NEIC XI 19 17 14 20.2–.84 8.66N 93.64E 44–7 5.4b,4.9
GCMT XI 19 17 14 20.6–.20 8.76N 93.76E 19–0 5.2W,4.9
TEH XI 19 17 14 20.0 8.66N 93.63E 37 5.2W,4.9
MOS XI 19 17 14 21.3–1.1 8.93N 93.59E 58 5.5b,4.6s
DJA XI 19 17 14 23 8.57N 93.76E 53 5.1W,4.6s
ISC Event type se.
SZGRF Nicobar Islands, India, region.
ISCJB Event type se. Error ellipse: s-maj=3.9km s-min=2.5km az=42.4.
IDC Error ellipse: s-maj=11.6km s-min=8.3km az=51.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.9km az=48.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s68,c98; s82,c149; Moment tensor: Scale 10^{16}Nm; M_{rr}-7.61±.20 $M_{\theta\theta}$0.12±.12; $M_{\phi\phi}$7.49±.14; $M_{r\theta}$2.02±.30; $M_{\theta\phi}$0.75±.09; $M_{\phi r}$0.25±.26; Best double couple: NP1:ϕ_s353.00000°,δ45.00000°,λ-110.00000°. NP2:ϕ_s199.00000°,δ48.00000°,λ-72.00000°. Principal axes: T 7.5800,Plg2.0000° ,Azm276.0000°; N 0.5300,Plg14.0000°,Azm7.0000°; P -8.1100,Plg76.0000°,Azm179.0000° $M_0$7.80000×10^{16}
MOS Error ellipse: s-maj=7.7km s-min=4.2km az=114.0.
IDC XI 21 18 12 30.1–2.9 7.06N 92.66E 0 3.6,3.5b
¶12074422

IDC Error ellipse: s-maj=96.8km s-min=27.3km az=66.0.
IDC XI 23 09 24 48.9–12 6.24N 93.59E 0 3.8L,3.8
¶12074578

IDC Error ellipse: s-maj=298.4km s-min=47.4km az=87.0.
IDC XI 30 21 36 26.5–2.7 6.82N 91.85E 0 3.6,3.4L
¶12075364

IDC Error ellipse: s-maj=92.1km s-min=27.0km az=64.0.
ISC XII 03 21 57 47.8–2.5 7.5N–.10 93.9E–.10 44–23 3.9b 42 7-78
IDC XII 03 21 57 44.9–1.2 7.46N 93.82E 22–6 3.8,3.7L **¶11528505**
ISCJB XII 03 21 57 45.1–3.1 7.5N–.10 93.9E–.10 37–28 3.9b,3.7L
NEIC XII 03 21 57 47.7–1.8 7.47N 93.87E 44–16 4.0b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=17.1km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=8.6km az=140.8.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=6.2km az=54.0.
IDC XII 04 19 52 47.7–4.1 8.93N 92.24E 0 3.6,3.5b
¶12075781

IDC Error ellipse: s-maj=148.9km s-min=29.4km az=63.0.
ISC XII 05 23 24 37.8–.14 8.77N–.02 94.02E–.02 30 5.0b,4.5s 447 3-168
BJI XII 05 23 24 33.1 8.46N 93.87E 30 5.4b,5.1b **¶11493132**
ISCJB XII 05 23 24 35.6–.15 8.76N–.02 94.02E–.02 28 5.0b,4.5s
NEIC XII 05 23 24 37.0–.19 8.74N 94.08E 28 5.2b,4.5s
DJA XII 05 23 24 36.5–1.3 9N–4.0 94E–4.0 7–9 5.6b,5.0
IDC XII 05 23 24 37.6–2.7 8.86N 94.10E 30–18 4.4,4.3
TEH XII 05 23 24 38.0 8.74N 94.10E 35 4.4,4.3
GCMT XII 05 23 24 38.7–.20 8.71N 94.13E 22–1 5.2W,4.3
MOS XII 05 23 24 38.0–.94 8.87N 94.09E 47 5.2b,4.7s
SZGRF XII 05 23 24 50.5 12.16N 94.65E 33 5.4b,4.7s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=136.3.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.0km az=49.0.
IDC Error ellipse: s-maj=19.0km s-min=11.4km az=56.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s41,c52; s81,c134; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.72±.21 $M_{\theta\theta}$-2.80±.13; $M_{\phi\phi}$5.52±.17; $M_{r\theta}$-3.02±.30; $M_{\theta\phi}$4.00±.13; $M_{\phi r}$-1.06±.26; Best double couple: NP1:ϕ_s161.00000°,δ55.00000°,λ-160.00000°. NP2:ϕ_s60.00000°,δ74.00000°,λ-37.00000°. Principal axes: T 7.5900,Plg12.0000° ,Azm114.0000°; N -1.3500,Plg50.0000°,Azm219.0000°; P -6.2300,Plg37.0000° ,Azm15.0000° $M_0$6.90000×10^{16}
MOS Error ellipse: s-maj=9.3km s-min=4.8km az=114.2.
SZGRF Andaman Islands, India, region.
ISC XII 05 23 33 45.6–2.4 8.7N–.10 94.0E–.20 40–21 4.1b 34 8-74
IDC XII 05 23 33 39.3–1.4 8.63N 93.70E 0 3.9L,3.8 **¶12075946**
ISCJB XII 05 23 33 41.4–5.8 8.7N–.10 94.0E–.20 22–42 4.1b,3.8
NEIC XII 05 23 33 45.7–1.8 8.71N 93.97E 42–16 4.6b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=49.2km s-min=22.0km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=38.5km s-min=11.8km az=144.0.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=7.5km az=54.0.
ISC XII 06 00 43 08.4–.13 8.74N–.02 93.97E–.02 32 5.1b,4.7s 578 3-168
BJI XII 06 00 43 03.6 8.41N 93.83E 34 5.4b,5.2b **¶13402032**
SZGRF XII 06 00 43 04.4 7.79N 94.04E 33 5.3b,5.2b
ISCJB XII 06 00 43 06.2–.14 8.72N–.02 93.96E–.02 30 5.1b,4.7s
IDC XII 06 00 43 06.8–3.4 8.83N 94.03E 21–21 4.7,4.6
DJA XII 06 00 43 07.7–1.5 9N–8.0 94E–14 10–0 5.7b,5.2b
MOS XII 06 00 43 08.0–.88 8.83N 94.02E 45 5.4b,4.6s
NEIC XII 06 00 43 08.8–.84 8.72N 93.98E 38–7 5.3b,4.6s
TEH XII 06 00 43 09.0 8.72N 93.99E 35 5.3b,4.6s
GCMT XII 06 00 43 09.1–.20 8.73N 94.11E 25–1 5.3W,4.6s
ISC Event type se.
SZGRF Nicobar Islands, India, region.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.5km az=138.0.
IDC Error ellipse: s-maj=16.4km s-min=10.1km az=52.0.
MOS Error ellipse: s-maj=8.5km s-min=4.1km az=118.2.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.5km az=52.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s60,c86; s94,c164; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s156.00000°,δ59.00000°,λ-167.00000°. NP2:ϕ_s60.00000° ,δ79.00000°,λ-31.00000°. Principal axes: T 1.0600,Plg13.0000°,Azm111.0000° ; N -0.0600,Plg57.0000°,Azm222.0000°; P -1.0000,Plg29.0000°,Azm14.0000° $M_0$1.00000×10^{17}
ISC XII 06 01 35 04.8–3.1 8.6N–.20 94.0E–.20 39–25 4.0b 55 11-148
IDC XII 06 01 34 59.1–.70 8.67N 93.90E 0 4.2L,3.9 **¶12075962**
ISCJB XII 06 01 35 00.2–6.8 8.6N–.20 94.0E–.10 19–46 4.0b,3.9
NEIC XII 06 01 35 03.0–.35 8.61N 93.92E 26 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=17.4km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=33.5km s-min=14.6km az=41.9.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.5km az=71.0.
ISC XII 06 16 14 37.2–.44 6.57N–.05 95.15E–.07 215–4 4.0b 92 1-91
ISCJB XII 06 16 14 36.4–.44 6.56N–.05 95.14E–.07 223–4 4.0b **¶12076040**
NEIC XII 06 16 14 37.5–1.2 6.57N 95.16E 221–12 4.3b
IDC XII 06 16 14 37.8–.99 6.67N 95.27E 218–9 3.6,3.5b
DJA XII 06 16 14 40 6.44N 95.26E 205 4.8b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=5.3km az=149.5.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=5.0km az=58.0.
IDC Error ellipse: s-maj=22.8km s-min=9.9km az=59.0.
ISC XII 08 20 14 42.4–4.7 8.9N–.30 93.4E–.30 94–39 3.8b 41 11-77
IDC XII 08 20 14 29.9–1.2 8.55N 92.92E 0 3.9L,3.9 **¶12076402**
NEIC XII 08 20 14 35.5–.76 8.50N 93.07E 35 4.3b,3.9
ISCJB XII 08 20 14 41.8–6.4 8.9N–.30 93.5E–.30 108–55 3.8b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 09 21 00 51.3–1.1 7.62N–.03 92.21E–.03 33–7 5.0b,4.4s 495 4-159
BJI XII 09 21 00 44.5 7.31N 92.26E 20 5.0b,4.8b **¶12076609**
IDC XII 09 21 00 46.6–.35 7.67N 92.19E 0 4.8,4.8L
ISCJB XII 09 21 00 49.5–.15 7.64N–.03 92.24E–.02 33 5.0b,4.4s
MOS XII 09 21 00 49.8–.90 7.70N 92.20E 33 5.3b,4.4s
NEIC XII 09 21 00 52.4–.88 7.67N 92.22E 43–8 5.2b,4.4s
GCMT XII 09 21 00 52.1–.20 7.71N 92.20E 12 5.1W,4.4s
SZGRF XII 09 21 00 56.3 8.23N 91.69E 37 5.5b,4.4s
DJA XII 09 21 00 56 7.51N 92.59E 118 4.9b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=12.9km s-min=9.9km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.8km az=36.4.
MOS Error ellipse: s-maj=7.6km s-min=4.2km az=118.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.0km az=51.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s23,c29; s73,c118; Moment tensor: Scale 10^{16}Nm; M_{rr}-2.98±.15 $M_{\theta\theta}$-2.37±.13; $M_{\phi\phi}$5.35±.11; $M_{r\theta}$1.81±.45; $M_{\theta\phi}$-0.26±.11; $M_{\phi r}$-1.98±.33; Best double couple: NP1:ϕ_s212.00000°,δ44.00000°,λ-35.00000°. NP2:ϕ_s328.00000°,δ67.00000°,λ-128.00000°. Principal axes: T 5.8500,Plg14.0000° ,Azm85.0000°; N -1.1500,Plg35.0000°,Azm346.0000°; P -4.7000,Plg52.0000° ,Azm193.0000° $M_0$5.30000×10^{16}
SZGRF Nicobar Islands, India, region.
IDC XII 15 13 52 40.4–3.5 9.75N 92.22E 0 3.5,3.3b
¶12077611

IDC Error ellipse: s-maj=135.1km s-min=24.6km az=65.0.
NEIC XII 15 15 56 12.6–.63 6.12N 95.45E 200 3.7b
IDC XII 15 15 55 47.1–1.6 5.32N 94.24E 0 4.2L,3.9 **¶12077625**
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=8.4km az=60.0.
IDC Error ellipse: s-maj=77.9km s-min=20.1km az=56.0.
ISC XII 17 13 47 59.8–.37 6.84N–.03 94.73E–.03 136–4 5.0b 566 1-164
BJI XII 17 13 47 54.1 6.40N 94.59E 134 5.1b,5.0b **¶12077921**
MOS XII 17 13 47 57.4–.82 6.87N 94.80E 130 5.1b,4.1s
ISCJB XII 17 13 47 58.6–.39 6.84N–.03 94.72E–.03 140–4 5.0b,4.1s
SZGRF XII 17 13 47 59.5 6.27N 94.70E 33 5.2b,4.1s
NEIC XII 17 13 47 59.6–.21 6.88N 94.76E 138 5.2b,4.1s
GCMT XII 17 13 48 03.0–.40 6.82N 94.75E 145–3 5.0W,4.1s
DJA XII 17 13 48 03 6.55N 94.85E 140 5.2b,4.1s
IDC XII 17 13 48 03.4–.97 6.93N 94.97E 168–7 4.5,4.5
ISC Event type se.
MOS Error ellipse: s-maj=9.2km s-min=4.2km az=118.3.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.9km az=142.4.
SZGRF Nicobar Islands, India, region.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.8km az=49.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s24,c26; s80,c124; Moment tensor: Scale 10^{16}Nm; M_{rr}1.19±.14 $M_{\theta\theta}$-0.65±.17; $M_{\phi\phi}$-0.54±.18; $M_{r\theta}$-2.69±.10; $M_{\theta\phi}$-3.52±.16; $M_{\phi r}$0.11±.12; Best double couple: NP1:ϕ_s4.00000°,δ51.00000°,λ14.00000°. NP2:ϕ_s265.00000°,δ80.00000°,λ140.00000°. Principal axes: T 4.3300,Plg35.0000° ,Azm217.0000°; N 0.4100,Plg49.0000°,Azm73.0000°; P -4.7400,Plg19.0000°,Azm320.0000° $M_0$4.50000×10^{16}
IDC Error ellipse: s-maj=10.4km s-min=6.4km az=55.0.
ISC XII 23 08 34 59.4–.70 7.9N–.10 91.9E–.10 35 4.1b 28 12-95
IDC XII 23 08 34 53.7–1.1 7.91N 91.83E 0 4.2,4.2L **¶12078650**
ISCJB XII 23 08 34 57.4–.70 8.0N–.10 92.0E–.10 33 4.1b,4.2L
NEIC XII 23 08 34 59.2–.61 7.92N 91.91E 35 4.2b,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=19.3km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=12.4km az=144.7.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=10.0km az=58.0.
ISC XII 30 17 00 01.7–2.7 8.4N–.10 94.0E–.10 115–23 4.0b 75 11-147
IDC XII 30 16 59 56.4–5.2 8.27N 93.76E 66–44 3.9L,3.9 **¶12079569**
ISCJB XII 30 16 59 59.4–3.2 8.3N–.10 93.9E–.10 110–27 4.0b,3.9
NEIC XII 30 17 00 01.3–1.7 8.37N 93.95E 110–14 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=34.3km s-min=13.6km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=28.2km s-min=9.9km az=136.8.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=5.5km az=47.0.

(705) Off west coast of northern Sumatera.

IDC VII 01 15 24 08.7–7.4 1.80N 96.13E 0 3.8b,3.6
¶12697919

IDC Error ellipse: s-maj=140.0km s-min=42.6km az=13.0.
ISC VII 02 10 09 53.1–1.2 2.61N–.05 95.97E–.09 60–12 4.5b 48 1-143
IDC VII 02 10 09 44.9–1.2 2.49N 95.77E 0 4.4b,4.4 **¶11479810**
DJA VII 02 10 09 47 2.64N 95.69E 10 4.8b,4.4
ISCJB VII 02 10 09 48.9–1.5 2.50N–.06 95.77E–.10 44–13 4.5b,4.4
BJI VII 02 10 09 49.5 3.07N 96.19E 15 4.8b,4.7b
NEIC VII 02 10 09 49.9–.56 2.45N 95.79E 35 4.2b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=39.8km s-min=14.0km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=17.9km s-min=7.2km az=151.7.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=7.5km az=49.0.
ISC VII 05 22 10 58.1–1.4 5.6N–.20 93.2E–.20 32 4.0b 9 6-49
ISCJB VII 05 22 10 56.1–1.4 5.6N–.20 93.2E–.20 30 4.0b **¶11810740**
IDC VII 05 22 10 57.8–2.7 5.55N 93.15E 31–6 3.8,3.7b
NEIC VII 05 22 10 58.4–1.0 5.59N 93.18E 35 4.4b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=37.6km s-min=13.4km az=138.8.
IDC Error ellipse: s-maj=107.6km s-min=16.0km az=58.0.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=9.9km az=49.0.
ISC VII 07 16 18 53.9–.56 2.85N–.04 95.84E–.04 39–5 4.7b,4.0s 137 1-85
IDC VII 07 16 18 48.0–.71 2.84N 95.83E 0 4.4b,4.4 **¶11103532**
ISCJB VII 07 16 18 51.4–.62 2.79N–.04 95.79E–.04 38–5 4.7b,4.0s
BJI VII 07 16 18 51.6 3.35N 95.99E 11 4.8b,4.7b
MOS VII 07 16 18 51.2–.99 2.91N 95.86E 33 4.9b,4.1s
DJA VII 07 16 18 51 2.86N 95.78E 12 4.7b,4.1s
NEIC VII 07 16 18 54.1–1.7 2.90N 95.89E 42–14 4.7b,4.1s
ISC Event type se.

IDC Error ellipse: s-maj=25.2km s-min=13.7km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.9km az=141.9.
MOS Error ellipse: s-maj=15.1km s-min=7.6km az=107.6.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=6.7km az=56.0.
ISC VII 08 23 11 16.9–1.0 0.3N–.20 96.7E–.10 35 3.8b 14 3-145
DJA VII 08 23 11 10 0.29N 96.33E 15 3.9 **¶12698090**
IDC VII 08 23 11 12.5–1.7 0.20N 96.13E 0 3.9,3.8b
ISCJB VII 08 23 11 14.6–1.0 0.3N–.10 96.7E–.10 33 3.8b,3.8b
ISC VII 09 15 24 42.9–1.0 5.6N–.20 93.3E–.10 32 4.2b 20 6-77
ISCJB VII 09 15 24 40.9–1.0 5.6N–.20 93.3E–.10 30 4.2b **¶11811091**
NEIC VII 09 15 24 41.4–.88 5.40N 92.97E 30 4.6b
IDC VII 09 15 24 42.8–2.0 5.63N 93.27E 30–6 3.9b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.2km s-min=7.7km az=43.8.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=9.4km az=52.0.
IDC Error ellipse: s-maj=80.4km s-min=14.7km az=56.0.
IDC VII 10 04 27 30.8–4.3 5.76N 93.47E 0 3.5,3.4b
¶12698113
IDC Error ellipse: s-maj=164.2km s-min=27.3km az=63.0.
ISC VII 10 18 23 59.2–.84 2.47N–.10 95.73E–.09 35 3.7b 22 2-67
DJA VII 10 18 23 49 2.41N 95.22E 10 4.0 **¶11811191**
IDC VII 10 18 23 53.4–1.3 2.31N 95.46E 0 3.7b,3.7
ISCJB VII 10 18 23 56.6–.83 2.41N–.10 95.64E–.09 33 3.7b,3.7
NEIC VII 10 18 23 58.9–1.0 2.42N 95.57E 35 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=44.6km s-min=19.1km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=16.6km s-min=9.4km az=42.9.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=13.2km az=52.0.
ISC VII 12 11 07 24.1–2.1 2.46N–.06 95.88E–.05 22–15 4.6b,3.6s 47 2-143
IDC VII 12 11 07 20.3–1.2 2.47N 95.87E 0 4.2b,4.2 **¶11227060**
ISCJB VII 12 11 07 21.8–2.0 2.41N–.06 95.85E–.05 23–15 4.6b,3.6s
BJI VII 12 11 07 21.6 2.74N 96.05E 9 5.0b,4.9b
NEIC VII 12 11 07 23.8–.50 2.45N 95.89E 23 4.5b,4.9b
DJA VII 12 11 07 26 2.39N 96.05E 17 4.4,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=16.7km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=6.9km az=29.4.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.9km az=215.0.
DJA VII 14 07 26 18 2.54N 95.96E 30 3.8
¶12921888
ISC VII 14 23 05 34.8–4.2 1.44N–.07 96.33E–.08 7–28 3.6b 20 3-56
ISCJB VII 14 23 05 33.9–3.6 1.44N–.06 96.33E–.09 15–27 3.6b **¶11811602**
IDC VII 14 23 05 33.6–2.2 1.40N 96.21E 0 4.4L,3.7b
NEIC VII 14 23 05 38.5–.47 1.44N 96.35E 35 3.8b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.8km s-min=10.7km az=11.0.
IDC Error ellipse: s-maj=55.4km s-min=28.5km az=52.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.3km az=79.0.
ISC VII 17 16 24 40.4–1.2 2.59N–.06 95.99E–.09 50–11 4.5b,4.1s 68 1-85
BJI VII 17 16 24 28.9 2.04N 96.03E 13 4.9b,4.7b **¶11480032**
DJA VII 17 16 24 29 2.70N 95.14E 30 4.8b,4.7b
IDC VII 17 16 24 32.8–.93 2.50N 95.79E 0 4.3,4.3b
NEIC VII 17 16 24 36.0–7.7 2.53N 95.82E 19–46 4.6b,4.3b
ISCJB VII 17 16 24 38.6–1.4 2.55N–.06 95.97E–.10 54–12 4.5b,4.1s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 17 21 17 53.5–.34 0.24N–.04 96.68E–.04 31 4.1b 60 3-145
ISCJB VII 17 21 17 51.3–.34 0.25N–.04 96.67E–.04 29 4.1b **¶11811864**
NEIC VII 17 21 17 52.1–2.3 0.21N 96.60E 22–16 4.3b
IDC VII 17 21 17 53.4–.80 0.20N 96.57E 29–4 3.8,3.8b
DJA VII 17 21 17 57 0.11N 96.91E 40 4.6,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.8km az=23.2.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=51.0.
IDC Error ellipse: s-maj=25.5km s-min=13.6km az=53.0.
ISC VII 19 10 32 08.7–.49 0.23N–.06 96.72E–.05 29 4.2b 37 3-145
DJA VII 19 10 32 05 0.58N 96.55E 73 4.6 **¶11812046**
ISCJB VII 19 10 32 06.3–.49 0.21N–.06 96.69E–.05 28 4.2b
IDC VII 19 10 32 08.2–.70 0.15N 96.52E 27–3 4.0s,4.0
NEIC VII 19 10 32 08.3–.41 0.22N 96.68E 28 4.3b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.4km az=33.4.
IDC Error ellipse: s-maj=26.3km s-min=11.1km az=52.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.5km az=58.0.
ISC VII 19 10 55 54.4–.44 0.28N–.04 96.72E–.04 31 4.2b 45 3-146
ISCJB VII 19 10 55 52.1–.44 0.27N–.04 96.71E–.04 29 4.2b **¶11812052**
NEIC VII 19 10 55 54.0–.35 0.29N 96.66E 30 4.3b
IDC VII 19 10 55 54.1–.71 0.23N 96.58E 29–4 4.2L,4.1
DJA VII 19 10 55 55 0.32N 96.81E 30 4.7,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.3km az=142.3.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.9km az=67.0.
IDC Error ellipse: s-maj=22.0km s-min=12.1km az=56.0.
IDC VII 19 14 45 35.6–2.6 5.20N 93.69E 0 4.0L,3.8
¶12698322
IDC Error ellipse: s-maj=101.0km s-min=23.8km az=61.0.
ISC VII 23 16 09 43.2–3.9 0.39N–.08 96.67E–.09 30–31 3.8b 11 1-54
ISCJB VII 23 16 09 42.6–2.3 0.39N–.10 96.7E–.10 44–21 3.8b **¶12698405**
IDC VII 23 16 09 42.9–15 1.15N 98.09E 0 3.8b,3.8
DJA VII 23 16 09 44 0.54N 96.90E 109 3.6,3.8
ISCJB Error ellipse: s-maj=23.8km s-min=11.9km az=147.5.
IDC Error ellipse: s-maj=810.2km s-min=28.3km az=57.0.
ISC VII 24 11 33 52.2–3.6 4.8N–.20 94.9E–.30 70–30 3.8b 13 4-65
IDC VII 24 11 33 43.2–1.5 4.79N 94.61E 0 3.8b,3.8 **¶11812523**
NEIC VII 24 11 33 47.5–1.1 4.56N 94.46E 35 4.2b,3.8
ISCJB VII 24 11 33 50.4–3.8 4.9N–.20 94.9E–.30 70–32 3.8b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VII 26 06 02 22.3–67 3.90N 95.98E 0 3.9b,3.9
¶12698437
IDC Error ellipse: s-maj=1264.0km s-min=149.3km az=177.0.
ISC VII 28 01 27 00.6–2.7 2.63N–.09 95.8E–.20 55–26 4.0b 17 1-54
IDC VII 28 01 26 55.5–2.2 2.48N 95.55E 20–6 3.9,3.8b **¶11812751**
NEIC VII 28 01 26 57.7–1.0 2.50N 95.62E 35 3.9,3.8b
ISCJB VII 28 01 26 59.2–2.7 2.63N–.09 95.8E–.20 61–25 4.0b,3.8b
DJA VII 28 01 27 03 2.61N 96.13E 41 3.8,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=56.7km s-min=24.3km az=47.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=11.2km az=213.0.
ISCJB Event type se. Error ellipse: s-maj=37.8km s-min=14.9km az=171.9.
ISC VII 28 04 15 55.4–2.6 0.33N–.05 96.68E–.05 26–19 3.9b 26 1-145
IDC VII 28 04 15 50.7–2.8 0.11N 96.42E 0 3.9,3.9b **¶11812758**
ISCJB VII 28 04 15 54.1–2.5 0.31N–.05 96.64E–.05 31–19 3.9b,3.9b
DJA VII 28 04 15 55 0.38N 96.68E 59 4.0,3.9b
NEIC VII 28 04 15 55.8–1.2 0.16N 96.58E 35 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=67.0km s-min=37.6km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=8.0km az=148.0.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=11.7km az=153.0.
ISC VII 29 06 57 33.4–1.3 4.5N–.20 94.7E–.10 35 4.0b 14 5-79
IDC VII 29 06 57 30.8–2.3 5.04N 94.91E 0 4.0,4.0b **¶11812828**
NEIC VII 29 06 57 33.0–1.0 4.49N 94.69E 35 4.2b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=121.3km s-min=21.5km az=52.0.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=10.2km az=212.0.
ISC VII 29 18 34 59.5–3.7 0.27N–.05 96.67E–.07 16–23 4.3b 76 1-145
IDC VII 29 18 34 56.8–.69 0.20N 96.46E 0 5.3s,5.3 **¶11227164**
ISCJB VII 29 18 34 57.3–2.5 0.27N–.04 96.66E–.07 15–18 4.3b,5.3
BJI VII 29 18 34 58.0 0.20N 96.60E 20 4.7b,4.4b
DJA VII 29 18 34 59 0.26N 96.54E 34 4.7b,4.4b
NEIC VII 29 18 35 01.9–.31 0.21N 96.62E 35 4.4b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=16.0km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.5km az=159.8.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.9km az=65.0.
DJA VII 29 19 14 09 0.18N 96.74E 27 3.4
¶12922108
ISC VIII 03 02 04 39.7–3.3 2.43N–.10 95.73E–.06 25–24 4.2b 25 2-56
IDC VIII 03 02 04 33.8–5.7 2.16N 95.55E 0 4.0,4.0b **¶11907721**
ISCJB VIII 03 02 04 37.8–3.2 2.38N–.09 95.70E–.06 29–24 4.2b,4.0b
DJA VIII 03 02 04 39 2.37N 95.88E 10 3.9,4.0b
NEIC VIII 03 02 04 41.7–3.9 2.39N 95.86E 45–30 4.0b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=113.1km s-min=30.8km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=9.2km az=14.4.
NEIC Event type se. Error ellipse: s-maj=42.5km s-min=19.6km az=52.0.
ISC VIII 04 20 09 24.7–4.2 2.6N–.20 95.9E–.30 49–32 4.0b 18 3-81
IDC VIII 04 20 09 17.4–1.4 2.49N 95.72E 0 3.9b,3.9 **¶11907771**
ISCJB VIII 04 20 09 22.6–4.2 2.6N–.20 95.9E–.20 50–32 4.0b,3.9
NEIC VIII 04 20 09 22.9–.61 2.51N 95.80E 35 3.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=17.6km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=47.1km s-min=14.5km az=151.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.4km az=46.0.
ISC VIII 04 20 46 40.1–3.0 2.70N–.06 95.86E–.05 8–20 4.9b 75 1-78
ISCJB VIII 04 20 46 37.6–2.5 2.65N–.06 95.81E–.04 6–17 4.9b **¶11652798**
IDC VIII 04 20 46 40.8–1.1 3.11N 95.95E 0 4.5b,4.5
DJA VIII 04 20 46 40 2.62N 95.86E 10 5.0,4.5
BJI VIII 04 20 46 43.0 3.27N 95.81E 13 4.8b,4.6b
NEIC VIII 04 20 46 45.9–.60 3.06N 95.92E 35 4.4b,4.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.4km az=21.2.
IDC Error ellipse: s-maj=25.4km s-min=23.4km az=149.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=11.2km az=181.0.
ISC VIII 07 18 35 31.4–2.7 5.3N–.10 92.9E–.20 45–25 4.5b 27 6-142
IDC VIII 07 18 35 24.8–2.1 5.22N 92.75E 0 4.4b,4.4 **¶11907915**
ISCJB VIII 07 18 35 30.7–3.1 5.2N–.10 93.0E–.20 61–30 4.5b,4.4
NEIC VIII 07 18 35 30.4–.97 5.30N 92.82E 35 4.9b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=49.8km s-min=32.0km az=20.0.
ISCJB Event type se. Error ellipse: s-maj=33.6km s-min=18.9km az=152.2.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=14.8km az=224.0.
ISC VIII 07 21 27 35.2–.73 2.41N–.04 95.85E–.05 44–7 4.7b 95 2-143
BJI VIII 07 21 27 28.4 2.46N 95.78E 11 4.9b,4.8b **¶11652834**
IDC VIII 07 21 27 28.4–.90 2.34N 95.78E 0 4.4,4.3
ISCJB VIII 07 21 27 33.2–.86 2.39N–.04 95.85E–.05 45–8 4.7b,4.3
NEIC VIII 07 21 27 33.6–2.1 2.42N 95.87E 33–15 4.6b,4.3
DJA VIII 07 21 27 35 2.44N 95.92E 30 4.8b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=16.0km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.2km az=152.3.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=58.0.
ISC VIII 10 17 15 43.0–.87 2.6N–.10 95.8E–.10 35 4.1b 22 3-81
IDC VIII 10 17 15 37.6–1.5 2.53N 95.75E 0 4.0b,4.0 **¶11652877**
ISCJB VIII 10 17 15 40.7–.88 2.6N–.10 95.77E–.10 33 4.1b,4.0
NEIC VIII 10 17 15 43.0–.68 2.57N 95.82E 35 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=21.5km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=18.0km s-min=11.4km az=36.9.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.1km az=220.0.
IDC VIII 12 04 38 59.2–6.3 2.42N 95.07E 0 3.8b,3.8
¶12581033
IDC Error ellipse: s-maj=128.5km s-min=40.9km az=24.0.
IDC VIII 20 09 59 42.3–3.2 3.02N 95.93E 0 3.5,3.4b
¶12581229
IDC Error ellipse: s-maj=90.4km s-min=29.8km az=50.0.
ISC VIII 21 07 01 37.3–2.9 2.60N–.07 95.76E–.06 31–22 3.8b,3.5s 19 2-86
IDC VIII 21 07 01 31.8–1.5 2.44N 95.66E 0 3.9,3.8 **¶11908527**
ISCJB VIII 21 07 01 35.9–1.5 2.58N–.08 95.73E–.09 38–14 3.8b,3.5s
DJA VIII 21 07 01 36 2.72N 95.76E 26 4.0,3.5s
NEIC VIII 21 07 01 37.2–.69 2.47N 95.74E 35 4.0,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=52.4km s-min=16.9km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=10.2km az=142.1.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=8.3km az=51.0.
IDC VIII 23 01 11 28.7–2.3 2.52N 95.17E 0 3.7,3.6L
¶12581301
IDC Error ellipse: s-maj=66.4km s-min=25.2km az=54.0.
ISC VIII 23 01 47 02.1–2.7 2.79N–.07 95.38E–.07 31–20 4.3b 30 2-143
IDC VIII 23 01 46 57.5–1.4 2.76N 95.36E 0 4.3L,4.3 **¶11908613**
NEIC VIII 23 01 46 59.6–10 2.75N 95.36E 14–62 4.4b,4.3
ISCJB VIII 23 01 47 00.2–2.6 2.77N–.07 95.34E–.07 32–19 4.3b,4.3
DJA VIII 23 01 47 01 2.76N 95.39E 30 4.0,4.3
ISC Event type se.
IDC Error ellipse: s-maj=43.2km s-min=20.2km az=49.0.
NEIC Event type se. Error ellipse: s-maj=35.9km s-min=8.8km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=7.8km az=138.7.
IDC IX 04 12 09 28.7–2.8 1.91N 96.90E 0 4.4L,3.7
¶11909457
IDC Error ellipse: s-maj=115.3km s-min=21.3km az=59.0.
ISC IX 07 21 21 02.5–2.1 4.99N–.05 94.35E–.05 27–15 4.2b,4.0s 64 3-89
IDC IX 07 21 20 58.0–1.1 5.08N 94.44E 0 4.2,4.1b **¶11909756**
ISCJB IX 07 21 20 59.7–2.3 5.00N–.05 94.38E–.06 20–17 4.2b,4.0s
NEIC IX 07 21 21 02.7–.36 4.93N 94.29E 35 4.3b,4.0s
BJI IX 07 21 21 03.8 5.43N 94.40E 22 4.4b,4.1s
DJA IX 07 21 21 11 4.63N 94.78E 115 4.3,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=18.7km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=5.9km az=137.5.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.4km az=60.0.
ISC IX 08 09 26 39.5–5.8 1.05N–.07 96.7E–.10 10–35 4.4b,3.5s 35 2-145
IDC IX 08 09 26 37.3–1.0 0.97N 96.59E 0 4.4,4.4b **¶11909809**
ISCJB IX 08 09 26 39.0–3.9 1.05N–.07 96.7E–.10 20–27 4.4b,3.5s
BJI IX 08 09 26 39.2 1.22N 96.63E 15 4.8b,4.5b
DJA IX 08 09 26 40 1.07N 96.49E 51 4.6,4.5b
NEIC IX 08 09 26 43.2–.40 1.08N 96.81E 35 4.4b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=14.0km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=24.9km s-min=8.1km az=159.9.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.2km az=65.0.
ISC IX 08 09 42 31.5–4.4 1.23N–.08 96.82E–.09 15–28 3.7b 12 2-82
ISCJB IX 08 09 42 29.4–3.5 1.20N–.08 96.77E–.08 14–22 3.7b **¶11909811**
IDC IX 08 09 42 32.4–2.2 1.04N 96.74E 26–5 3.7,3.6b
DJA IX 08 09 42 32 1.32N 96.87E 20 3.7,3.6b
ISCJB Error ellipse: s-maj=16.4km s-min=10.3km az=139.8.
IDC Error ellipse: s-maj=98.6km s-min=16.6km az=54.0.
IDC IX 10 03 30 42.9–10 1.73N 96.39E 0 4.2L,4.1b
¶11909930
IDC Error ellipse: s-maj=205.3km s-min=104.5km az=145.0.
IDC IX 18 14 10 02.0–3.1 3.91N 94.02E 0 3.7L,3.6
¶11910555
IDC Error ellipse: s-maj=120.2km s-min=26.3km az=61.0.
ISC IX 21 08 27 53.7–4.3 2.5N–.20 95.9E–.30 44–32 3.9b 15 3-78
ISCJB IX 21 08 27 51.9–4.4 2.5N–.20 95.9E–.30 45–32 3.9b **¶11910754**
NEIC IX 21 08 27 52.5–.64 2.51N 95.88E 35 4.1b
IDC IX 21 08 27 54.2–5.8 2.57N 95.97E 49–48 4.0L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=48.1km s-min=16.9km az=148.8.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.9km az=211.0.
IDC Error ellipse: s-maj=63.2km s-min=19.7km az=59.0.

ISC	**IX**	**22 23 41 45.1–6.2**	**5.19N–.08**	**93.2E–.10**	**13–39**	**3.9b**	**29**	**6-145**	
ISCJB	IX	22 23 41 43.4–6.2	5.21N–.08	93.2E–.10	14–39	3.9b			¶11910866
NEIC	IX	22 23 41 44.6–3.4	5.19N	93.20E	11–21	3.8b			
IDC	IX	22 23 41 46.9–.87	5.21N	93.22E	24–4	4.0L,3.9			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=23.3km s-min=9.3km az=154.1.								
NEIC	Event type se. Error ellipse: s-maj=11.3km s-min=4.3km az=64.0.								
IDC	Error ellipse: s-maj=34.9km s-min=12.6km az=53.0.								
ISC	**IX**	**25 15 27 31.9–.71**	**5.82N–.08**	**93.07E–.09**	**35**	**3.8b**	**18**	**7-59**	
ISCJB	IX	25 15 27 29.4–.71	5.82N–.08	93.07E–.09	33	3.8b			¶11911017
NEIC	IX	25 15 27 30.2–2.5	5.83N	93.09E	22–19	3.8b			
IDC	IX	25 15 27 31.5–1.8	5.90N	93.24E	26–5	3.7,3.6L			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=14.2km s-min=10.0km az=138.9.								
NEIC	Event type se. Error ellipse: s-maj=11.4km s-min=7.7km az=45.0.								
IDC	Error ellipse: s-maj=68.9km s-min=14.9km az=62.0.								
ISC	**IX**	**26 19 25 11.6–.62**	**4.24N–.07**	**93.19E–.06**	**42**	**3.9b**	**27**	**6-144**	
NEIC	IX	26 19 25 07.4–2.7	4.21N	93.05E	12–18	4.0b			¶11911105
ISCJB	IX	26 19 25 09.6–.64	4.24N–.07	93.20E–.07	40	3.9b			
IDC	IX	26 19 25 11.5–.82	4.20N	93.12E	38–5	3.8L,3.8			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=7.9km s-min=5.8km az=47.0.								
ISCJB	Event type se. Error ellipse: s-maj=12.3km s-min=7.4km az=40.7.								
IDC	Error ellipse: s-maj=34.2km s-min=14.3km az=48.0.								
IDC	**IX**	**27 06 21 36.0–1.5**	**5.32N**	**93.16E**	**0**	**4.1,4.0b**			
									¶11911171
IDC	Error ellipse: s-maj=78.7km s-min=27.7km az=55.0.								
IDC	**IX**	**27 10 43 30.6–2.4**	**5.05N**	**93.75E**	**0**	**3.9L,3.9**			
									¶11911189
IDC	Error ellipse: s-maj=85.2km s-min=21.6km az=58.0.								
ISC	**IX**	**28 22 46 07.7–1.5**	**2.51N–.08**	**95.93E–.07**	**39–12**	**4.3b**	**46**	**3-143**	
IDC	IX	28 22 46 02.2–.93	2.50N	95.90E	0	4.3,4.2b			¶11911302
BJI	IX	28 22 46 04.7	2.68N	96.07E	18	4.8b,4.6s			
ISCJB	IX	28 22 46 06.4–1.7	2.52N–.08	95.94E–.07	45–14	4.3b,4.6s			
NEIC	IX	28 22 46 07.1–.32	2.50N	95.93E	35	4.3b,4.6s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=31.2km s-min=14.8km az=49.0.								
ISCJB	Event type se. Error ellipse: s-maj=15.4km s-min=8.7km az=37.6.								
NEIC	Event type se. Error ellipse: s-maj=8.1km s-min=4.8km az=214.0.								
IDC	**X**	**01 03 02 46.5–4.3**	**2.64N**	**95.94E**	**0**	**3.7b,3.7**			
									¶11911524
IDC	Error ellipse: s-maj=166.3km s-min=28.0km az=58.0.								
ISC	**X**	**01 03 12 19.7–.28**	**1.03N–.03**	**96.84E–.03**	**28**	**4.7b,4.1s**	**172**	**2-146**	
ISCJB	X	01 03 12 17.2–.28	1.01N–.03	96.82E–.03	26	4.7b,4.1s			¶11322844
IDC	X	01 03 12 18.7–.47	0.98N	96.73E	25–2	4.2,4.2L			
NEIC	X	01 03 12 18.9–.40	0.96N	96.85E	27	4.9b,4.2L			
MOS	X	01 03 12 19.6–1.2	1.01N	96.84E	47	4.7b,4.2L			
DJA	X	01 03 12 20.4–.60	1N–5.0	97E–5.0	55–28	6.1b,5.8			
BJI	X	01 03 12 21.2	1.60N	96.60E	20	4.8b,4.7b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=5.5km s-min=3.5km az=42.3.								
IDC	Error ellipse: s-maj=16.4km s-min=9.9km az=58.0.								
NEIC	Event type se. Error ellipse: s-maj=9.8km s-min=8.3km az=222.0.								
MOS	Error ellipse: s-maj=11.8km s-min=7.0km az=105.2.								
ISC	**X**	**06 12 30 48.5–1.1**	**2.5N–.10**	**95.8E–.10**	**23**	**3.7b**	**18**	**3-55**	
ISCJB	X	06 12 30 46.3–1.1	2.5N–.10	95.8E–.10	22	3.7b			¶12066148
IDC	X	06 12 30 48.2–1.7	2.52N	95.82E	20–5	3.7L,3.6			
NEIC	X	06 12 30 50.3–.84	2.54N	95.87E	35	3.7L,3.6			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=20.2km s-min=13.0km az=35.8.								
IDC	Error ellipse: s-maj=54.5km s-min=17.0km az=55.0.								
NEIC	Event type se. Error ellipse: s-maj=15.6km s-min=9.9km az=218.0.								
ISC	**X**	**09 15 48 34.5–4.8**	**3.9N–.20**	**95.7E–.30**	**62–35**	**3.6b**	**17**	**3-51**	
IDC	X	09 15 48 24.2–2.2	3.59N	95.19E	0	3.7L,3.7			¶12066441
NEIC	X	09 15 48 30.0–1.2	3.66N	95.32E	35	4.2b,3.7			
ISCJB	X	09 15 48 33.2–4.6	3.9N–.20	95.7E–.30	67–34	3.6b,3.7			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**X**	**10 11 28 47.7–2.7**	**1.26N–.05**	**96.99E–.06**	**13–17**	**4.3b,3.6s**	**64**	**2-144**	
IDC	X	10 11 28 45.3–.82	1.17N	97.05E	0	4.2,4.2b			¶12066500
DJA	X	10 11 28 48	1.36N	97.10E	6	4.3,4.2b			
NEIC	X	10 11 28 50.6–.49	1.23N	97.12E	35	4.5b,4.2b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=26.4km s-min=13.8km az=53.0.								
NEIC	Event type se. Error ellipse: s-maj=11.4km s-min=9.0km az=62.0.								
IDC	**X**	**13 03 24 19.7–1.6**	**1.12N**	**96.89E**	**0**	**3.8,3.7b**			
									¶12068520
IDC	Error ellipse: s-maj=44.9km s-min=20.2km az=58.0.								
ISC	**X**	**18 03 13 20.1–9.7**	**1.1N–.10**	**96.7E–.10**	**14–58**	**4.3b**	**36**	**3-144**	
IDC	X	18 03 13 17.7–.89	1.10N	96.64E	0	4.2,4.2b			¶12068949
ISCJB	X	18 03 13 20.6–6.7	1.2N–.10	96.7E–.10	32–45	4.3b,4.2b			
NEIC	X	18 03 13 22.7–5.4	1.15N	96.75E	33–37	4.3b,4.2b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=27.3km s-min=16.2km az=58.0.								
ISCJB	Event type se. Error ellipse: s-maj=30.4km s-min=12.1km az=141.0.								
NEIC	Event type se. Error ellipse: s-maj=21.3km s-min=7.9km az=51.0.								
DJA	**X**	**29 21 31 11**	**2.56N**	**95.81E**	**30**	**3.5**			
									¶12922913
ISC	**X**	**31 09 40 05.6–2.5**	**4.3N–.10**	**93.1E–.10**	**45–22**	**4.1b**	**33**	**6-143**	
IDC	X	31 09 39 58.5–.84	4.15N	92.91E	0	4.5L,4.1			¶12071721
ISCJB	X	31 09 40 04.3–2.8	4.3N–.10	93.2E–.10	50–24	4.1b,4.1			
NEIC	X	31 09 40 04.2–.46	4.23N	93.03E	35	4.3b,4.1			
ISC	Event type se.								
IDC	Error ellipse: s-maj=34.6km s-min=17.5km az=47.0.								
ISCJB	Event type se. Error ellipse: s-maj=24.1km s-min=12.0km az=136.2.								
NEIC	Event type se. Error ellipse: s-maj=12.4km s-min=6.6km az=212.0.								
IDC	**X**	**31 11 57 14.6–2.9**	**4.31N**	**93.77E**	**0**	**4.1L,3.8**			
									¶12071730
IDC	Error ellipse: s-maj=110.7km s-min=26.9km az=58.0.								
ISC	**XI**	**11 15 50 41.5–3.5**	**4.0N–.10**	**95.04E–.09**	**23–26**	**4.2s,3.6b**	**28**	**2-62**	
IDC	XI	11 15 50 39.2–1.9	4.09N	95.27E	0	3.8L,3.8			¶12073191
ISCJB	XI	11 15 50 41.2–3.2	4.1N–.10	95.08E–.09	32–24	4.2s,3.6b			
DJA	XI	11 15 50 42	4.83N	95.51E	104	4.4,3.6b			
NEIC	XI	11 15 50 45.9–4.4	4.13N	95.43E	50–31	4.4,3.6b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=64.5km s-min=17.7km az=54.0.								
ISCJB	Event type se. Error ellipse: s-maj=22.9km s-min=8.0km az=38.5.								
NEIC	Event type se. Error ellipse: s-maj=58.8km s-min=10.2km az=61.0.								
ISC	**XI**	**11 20 31 00.5–2.2**	**1.06N–.07**	**96.98E–.07**	**8–12**	**3.9b**	**35**	**2-61**	
NEIC	XI	11 20 31 03.4–.74	1.03N	97.11E	30	4.1b			¶12073221
IDC	XI	11 20 31 04.7–8.9	1.01N	97.18E	33–57	3.7b,3.6			
DJA	XI	11 20 31 04	1.24N	97.18E	11	3.8,3.6			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=15.2km s-min=12.4km az=64.0.								
IDC	Error ellipse: s-maj=72.7km s-min=20.4km az=63.0.								
IDC	**XI**	**12 10 25 18.9–12**	**3.17N**	**93.95E**	**0**	**4.3L,3.7**			
									¶12073288
IDC	Error ellipse: s-maj=235.5km s-min=107.7km az=153.0.								
IDC	**XI**	**17 18 34 04.2–6.2**	**2.56N**	**95.66E**	**0**	**3.7b,3.7**			
									¶12073888
IDC	Error ellipse: s-maj=125.4km s-min=38.3km az=25.0.								
IDC	**XI**	**24 02 55 14.2–3.2**	**2.53N**	**95.88E**	**0**	**3.8b,3.8**			
									¶12074635
IDC	Error ellipse: s-maj=131.1km s-min=25.9km az=54.0.								
ISC	**XI**	**24 04 18 42.1–3.0**	**0.56N–.06**	**96.63E–.06**	**12–19**	**4.2b**	**59**	**3-145**	
ISCJB	XI	24 04 18 42.1–2.6	0.59N–.06	96.68E–.07	24–18	4.2b			¶12074644
DJA	XI	24 04 18 43	0.55N	96.51E	39	4.7			
IDC	XI	24 04 18 44.9–.73	0.43N	96.55E	34–4	4.6L,4.0			
NEIC	XI	24 04 18 45.0–.47	0.51N	96.70E	35	4.3b,4.0			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=12.6km s-min=8.3km az=150.3.								
IDC	Error ellipse: s-maj=29.8km s-min=14.4km az=53.0.								
NEIC	Event type se. Error ellipse: s-maj=12.4km s-min=9.5km az=47.0.								
IDC	**XI**	**28 21 04 03.6–2.9**	**5.02N**	**93.02E**	**0**	**3.5L,3.4**			
									¶12075184
IDC	Error ellipse: s-maj=106.3km s-min=26.9km az=63.0.								
IDC	**XII**	**02 14 17 30.8–3.6**	**3.90N**	**95.59E**	**0**	**3.6,3.4b**			
									¶12075509
IDC	Error ellipse: s-maj=133.3km s-min=31.7km az=61.0.								
ISC	**XII**	**05 13 51 52.5–1.9**	**2.71N–.10**	**95.8E–.10**	**54–15**	**4.5b,3.6s**	**92**	**1-81**	
IDC	XII	05 13 51 44.9–1.4	2.69N	95.72E	0	4.3,4.3L			¶11527581
MOS	XII	05 13 51 48.0–.92	2.69N	95.73E	33	4.6b,4.3L			
DJA	XII	05 13 51 48	2.71N	95.77E	10	4.1,4.3L			
ISCJB	XII	05 13 51 50.9–1.9	2.70N–.10	95.8E–.10	59–14	4.5b,3.6s			
NEIC	XII	05 13 51 50.1–.47	2.63N	95.72E	35	4.6b,3.6s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=52.1km s-min=16.6km az=58.0.								
MOS	Error ellipse: s-maj=18.1km s-min=7.7km az=101.7.								
ISCJB	Event type se. Error ellipse: s-maj=23.9km s-min=8.7km az=143.0.								
NEIC	Event type se. Error ellipse: s-maj=10.8km s-min=6.1km az=223.0.								
IDC	**XII**	**07 05 57 17.3–10**	**4.08N**	**94.99E**	**0**	**3.6,3.5b**			
									¶12076119
IDC	Error ellipse: s-maj=481.1km s-min=31.9km az=56.0.								
ISC	**XII**	**07 23 49 56.7–.17**	**4.53N–.03**	**93.35E–.02**	**29**	**5.0b,4.3s**	**477**	**2-158**	
IDC	XII	07 23 49 51.8–.48	4.51N	93.36E	0	4.6,4.5			¶11493401
ISCJB	XII	07 23 49 54.8–.17	4.51N–.03	93.36E–.02	29	5.0b,4.3s			
MOS	XII	07 23 49 54.9–.90	4.56N	93.47E	31	5.3b,4.2s			
BJI	XII	07 23 49 55.0	4.51N	93.24E	34	5.0b,4.9b			
GCMT	XII	07 23 49 56.9–.30	4.46N	93.27E	14–1	5.0W,4.9b			
NEIC	XII	07 23 49 57.5–.76	4.57N	93.40E	36–6	5.2b,4.9b			
SZGRF	XII	07 23 49 59.1	6.00N	94.54E	33	5.0b,4.9b			
DJA	XII	07 23 50 00.0–1.1	5N–3.0	94E–3.0	38–9	5.7b,5.2			
ISC	Event type se.								
ISCJB	Event type se.								
GCMT	Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s26,c33; s58,c97; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.37±.13 $M_{\theta\theta}$1.40±.11; $M_{\phi\phi}$-1.04±.12; $M_{r\theta}$-0.80±.26; $M_{\theta\phi}$-2.98±.12; $M_{\phi r}$-1.60±.36; Best double couple: NP1:ϕ_s82.00000°,δ69.00000°,λ-163.00000°. NP2:ϕ_s346.00000°,δ75.00000°,λ-22.00000°. Principal axes: T 3.4200,Plg4.0000° ,Azm35.0000°; N 0.5000,Plg63.0000°,Azm133.0000°; P -3.9300,Plg27.0000°,Azm303.0000° $M_0$3.70000×10^{16}								
NEIC	Event type se.								
SZGRF	Northern Sumatera, Indonesia.								
ISC	**XII**	**08 08 53 16.1–2.8**	**1.10N–.05**	**97.00E–.06**	**6–17**	**4.1b**	**42**	**2-144**	
ISCJB	XII	08 08 53 15.3–2.6	1.07N–.05	96.94E–.07	15–18	4.1b			¶12076331
IDC	XII	08 08 53 15.8–1.5	1.16N	97.17E	0	4.2,4.1b			
DJA	XII	08 08 53 17	1.12N	97.02E	15	4.2,4.1b			
NEIC	XII	08 08 53 20.8–.49	1.17N	97.19E	35	4.2b,4.1b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=13.1km s-min=7.1km az=154.7.								
IDC	Error ellipse: s-maj=58.4km s-min=15.9km az=59.0.								
NEIC	Event type se. Error ellipse: s-maj=13.0km s-min=7.1km az=63.0.								
ISC	**XII**	**12 12 20 31.2–3.5**	**2.51N–.08**	**95.66E–.07**	**9–23**	**3.6b**	**26**	**2-52**	
ISCJB	XII	12 12 20 29.3–3.0	2.47N–.08	95.61E–.07	11–20	3.6b			¶12077129
DJA	XII	12 12 20 32	2.57N	95.63E	20	3.5			
IDC	XII	12 12 20 33.7–2.2	2.57N	95.81E	21–5	4.2L,3.6			
NEIC	XII	12 12 20 34.8–.88	2.49N	95.78E	35	4.1b,3.6			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=13.9km s-min=11.0km az=37.3.								
IDC	Error ellipse: s-maj=86.7km s-min=20.8km az=59.0.								
NEIC	Event type se. Error ellipse: s-maj=18.5km s-min=11.4km az=59.0.								
IDC	**XII**	**14 11 40 55.5–5.7**	**5.15N**	**92.72E**	**0**	**3.4,3.3b**			
									¶12077443
IDC	Error ellipse: s-maj=165.1km s-min=30.1km az=74.0.								
ISC	**XII**	**19 00 56 50.7–1.5**	**1.9N–.20**	**96.5E–.10**	**35**	**4.0b**	**15**	**5-55**	
IDC	XII	19 00 56 45.3–9.4	1.84N	96.46E	0	4.2L,4.0			¶12078129
ISCJB	XII	19 00 56 48.1–1.5	1.9N–.20	96.5E–.10	33	4.0b,4.0			
NEIC	XII	19 00 56 50.7–1.2	1.92N	96.52E	35	4.0b,4.0			
ISC	Event type se.								
IDC	Error ellipse: s-maj=186.7km s-min=92.9km az=151.0.								
ISCJB	Event type se. Error ellipse: s-maj=29.2km s-min=17.8km az=25.8.								
NEIC	Event type se. Error ellipse: s-maj=22.2km s-min=13.9km az=29.0.								
ISC	**XII**	**24 05 04 52.9–2.3**	**3.7N–.20**	**95.9E–.20**	**62–16**	**3.7b**	**13**	**1-80**	
IDC	XII	24 05 04 45.6–2.3	3.82N	96.06E	0	3.8,3.7b			¶12078770
DJA	XII	24 05 04 50	3.71N	95.89E	5	3.6,3.7b			
ISCJB	XII	24 05 04 52.3–2.1	3.7N–.20	95.9E–.20	73–14	3.6b,3.7b			
ISC	**XII**	**28 06 32 41.0–1.2**	**3.7N–.20**	**94.4E–.30**	**35**	**4.0b**	**15**	**15-51**	
IDC	XII	28 06 32 34.4–2.7	3.56N	94.17E	0	3.9,3.8			¶12079251
ISCJB	XII	28 06 32 38.6–1.2	3.7N–.20	94.4E–.30	33	4.0b,3.8			
NEIC	XII	28 06 32 40.9–1.1	3.72N	94.43E	35	4.4b,3.8			
ISC	Event type se.								
IDC	Error ellipse: s-maj=114.5km s-min=21.3km az=59.0.								
ISCJB	Event type se. Error ellipse: s-maj=41.7km s-min=13.5km az=150.9.								
NEIC	Event type se. Error ellipse: s-maj=37.8km s-min=12.4km az=61.0.								

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ISC	**VII**	**02 14 55 10.5–.91**	**1.12N–.03**	**97.07E–.04**	**20–6**	**4.7b,4.1s**	**159**	**2-146**	
BJI	VII	02 14 55 06.2	0.73N	97.23E	25	4.9b,4.8b			¶11006855
ISCJB	VII	02 14 55 07.6–.91	1.05N–.04	97.03E–.04	17–6	4.7b,4.1s			
IDC	VII	02 14 55 10.0–.76	1.07N	97.08E	21–3	4.3,4.2			
DJA	VII	02 14 55 10	1.22N	97.02E	94	4.7,4.2			
MOS	VII	02 14 55 10.3–.94	1.20N	97.22E	33	4.8b,4.2			
NEIC	VII	02 14 55 10.2–.34	1.11N	97.08E	22	4.9b,4.2			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=7.8km s-min=3.8km az=137.4.								
IDC	Error ellipse: s-maj=26.3km s-min=10.8km az=53.0.								
MOS	Error ellipse: s-maj=17.4km s-min=8.0km az=104.0.								
NEIC	Event type se. Error ellipse: s-maj=8.7km s-min=5.6km az=54.0.								
ISC	**VII**	**02 20 46 24.5–6.0**	**1.2N–.20**	**97.2E–.40**	**38–44**	**3.8b**	**13**	**2-56**	
IDC	VII	02 20 46 18.3–1.5	1.15N	96.99E	0	3.8b,3.8			¶11799297
ISCJB	VII	02 20 46 22.9–6.0	1.2N–.20	97.1E–.30	44–43	3.8b,3.8			
NEIC	VII	02 20 46 23.7–.79	1.19N	97.07E	35	3.8b,3.8			
ISC	Event type se.								
IDC	Error ellipse: s-maj=42.7km s-min=20.0km az=57.0.								
ISCJB	Event type se. Error ellipse: s-maj=67.9km s-min=17.9km az=147.0.								
NEIC	Event type se. Error ellipse: s-maj=18.7km s-min=10.9km az=58.0.								
ISC	**VII**	**03 05 26 40.7–2.1**	**2.5N–.10**	**96.3E–.10**	**38–15**	**4.2b**	**25**	**1-78**	
IDC	VII	03 05 26 34.1–1.4	2.35N	96.10E	0	4.1b,4.1			¶11479829
ISCJB	VII	03 05 26 39.6–2.0	2.6N–.10	96.3E–.10	47–15	4.2b,4.1			
BJI	VII	03 05 26 39.4	2.96N	96.59E	15	4.6b,4.4b			
NEIC	VII	03 05 26 39.7–.59	2.42N	96.21E	35	4.1b,4.4b			
DJA	VII	03 05 26 44	2.94N	96.42E	37	3.9,4.4b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=47.0km s-min=18.3km az=54.0.								
ISCJB	Event type se. Error ellipse: s-maj=23.8km s-min=11.9km az=138.6.								
NEIC	Event type se. Error ellipse: s-maj=13.9km s-min=8.2km az=45.0.								
ISC	**VII**	**03 21 09 04.9–1.0**	**0.95N–.07**	**97.01E–.09**	**35**	**3.7b**	**13**	**1-54**	
IDC	VII	03 21 08 59.3–1.8	0.82N	96.90E	0	3.8b,3.8			¶12697994
ISCJB	VII	03 21 09 02.5–1.0	0.90N–.07	96.92E–.08	33	3.7b,3.8			
DJA	VII	03 21 09 04	1.01N	97.01E	34	3.8,3.8			
IDC	Error ellipse: s-maj=52.3km s-min=22.5km az=59.0.								
ISCJB	Error ellipse: s-maj=12.5km s-min=9.0km az=158.6.								
IDC	**VII**	**04 19 55 23.4–10**	**3.19N**	**96.01E**	**0**	**3.6b,3.5**			
									¶12698014
IDC	Error ellipse: s-maj=249.6km s-min=36.6km az=33.0.								
ISC	**VII**	**08 18 15 29.2–.63**	**1.66N–.05**	**99.24E–.09**	**10**	**3.5b**	**18**	**1-57**	
ISCJB	VII	08 18 15 26.8–.79	1.68N–.05	99.1E–.10	10	3.5b			¶11811001
IDC	VII	08 18 15 26.1–3.0	1.47N	99.08E	0	3.7,3.6			
DJA	VII	08 18 15 31	1.58N	99.22E	20	3.9,3.6			
NEIC	VII	08 18 15 31.9–1.2	1.64N	99.34E	35	3.9,3.6			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=15.7km s-min=7.2km az=171.6.								

IDC Error ellipse: s-maj=175.9km s-min=21.2km az=55.0.
NEIC Event type se. Error ellipse: s-maj=36.7km s-min=15.5km az=66.0.
ISC VII 09 16 38 30.2–.65 0.10N–.04 97.37E–.06 35 3.5b 40 2-57
IDC VII 09 16 38 24.9–1.7 0.03N 97.29E 0 3.9L,3.6 **¶11811097**
ISCJB VII 09 16 38 27.8–.65 0.07N–.04 97.33E–.05 33 3.5b,3.6
NEIC VII 09 16 38 30.4–.81 0.12N 97.40E 35 3.5b,3.6
DJA VII 09 16 38 31 0.22N 97.52E 77 4.2,3.6
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=20.9km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.3km az=148.5.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.0km az=65.0.
ISC VII 10 09 34 10.4–1.0 0.42N–.07 98.55E–.09 59–10 3.9b 23 1-81
IDC VII 10 09 34 01.9–1.2 0.24N 98.46E 0 4.2L,4.2 **¶11811163**
NEIC VII 10 09 34 07.3–.74 0.30N 98.53E 35 4.2L,4.2
ISCJB VII 10 09 34 09.4–1.1 0.45N–.07 98.54E–.09 67–9 3.8b,4.2
DJA VII 10 09 34 10 0.51N 98.47E 23 3.9,4.2
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=20.2km az=56.0.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=11.3km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=10.0km az=154.7.
IDC VII 12 14 37 53.8–6.5 0.95N 97.71E 0 3.6,3.5b
¶12698163
IDC Error ellipse: s-maj=331.9km s-min=22.1km az=55.0.
ISC VII 12 18 14 19.7–1.2 5.2N–.10 94.0E–.20 35 3.7b 12 7-52
IDC VII 12 18 14 15.3–2.9 5.29N 94.17E 0 3.7,3.6b **¶11811383**
ISCJB VII 12 18 14 17.6–1.2 5.2N–.10 94.1E–.20 33 3.7b,3.6b
NEIC VII 12 18 14 19.6–.91 5.15N 94.01E 35 3.7b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=124.5km s-min=21.2km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=28.0km s-min=13.6km az=139.1.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=10.9km az=50.0.
ISC VII 13 03 56 53.9–.81 0.79N–.04 99.78E–.04 2–5 4.0b 39 0-146
IDC VII 13 03 56 52.6–.93 0.69N 99.47E 0 3.9b,3.9 **¶11811432**
NEIC VII 13 03 56 54.9–.63 0.76N 99.72E 10 4.3b,3.9
DJA VII 13 03 56 55 0.72N 99.64E 5 4.5,3.9
ISC Event type fe.
IDC Error ellipse: s-maj=36.1km s-min=14.4km az=67.0.
NEIC Event type fe. Error ellipse: s-maj=25.9km s-min=12.0km az=69.0. Felt [II] at Mandailing, Natal and Panyabungan.
ISC VII 13 19 30 45.0–.84 1.19N–.09 97.1E–.10 35 3.7b 17 2-57
IDC VII 13 19 30 39.6–1.6 1.12N 97.01E 0 3.7b,3.7 **¶11811497**
ISCJB VII 13 19 30 42.6–.84 1.18N–.09 97.1E–.10 33 3.7b,3.7
NEIC VII 13 19 30 44.9–.56 1.19N 97.10E 35 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=42.5km s-min=20.3km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=11.5km az=147.9.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.9km az=57.0.
ISC VII 14 00 14 02.0–1.2 2.92N–.06 96.91E–.09 62–12 3.8b 37 0-81
DJA VII 14 00 13 57 2.99N 96.81E 4 4.0 **¶11811520**
IDC VII 14 00 13 58.9–1.2 2.84N 96.75E 34–4 3.8L,3.6
ISCJB VII 14 00 14 01.0–1.2 2.96N–.06 96.94E–.08 71–12 3.7b,3.6
NEIC VII 14 00 14 01.1–1.9 2.91N 96.88E 54–15 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=46.8km s-min=14.8km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=10.1km az=168.7.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=6.3km az=54.0.
ISC VII 14 04 44 53.0–.11 2.20N–.02 96.54E–.02 34 5.5b,5.4s 768 1-174
IDC VII 14 04 44 47.4–.42 2.25N 96.44E 0 5.2,5.2s **¶11121237**
ISCJB VII 14 04 44 50.9–.12 2.20N–.02 96.55E–.02 32 5.5b,5.4s
MOS VII 14 04 44 51.6–1.1 2.31N 96.59E 33 5.7b,5.3s
NEIC VII 14 04 44 51.6–.14 2.18N 96.52E 24 5.5b,5.5s
BJI VII 14 04 44 51.2 2.04N 96.56E 51 5.8s,5.8b
SZGRF VII 14 04 44 52.5 2.36N 96.84E 36 5.4b,5.3s
DJA VII 14 04 44 53 2.13N 96.56E 28 5.7W,5.3s
GCMT VII 14 04 44 54.1–.20 1.83N 96.28E 29–0 5.6W,5.3s
TEH VII 14 04 52 00.0 2.27N 96.60E 49 5.6W,5.3s
ISC Event type fe.
IDC Error ellipse: s-maj=15.3km s-min=10.7km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=30.1.
MOS Error ellipse: s-maj=6.8km s-min=3.9km az=117.6.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=3.5km az=207.0. Felt [IV] at Sinabang. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1: ϕ_s315.00000°,δ25.00000°,λ105.00000°. NP2:ϕ_s119.00000°,δ66.00000°,λ83.00000°. Principal axes: T Plg68.0000°,Azm15.0000°; N Plg0.0000°,Azm0.0000°; P Plg21.0000° ,Azm214.0000° Moment Tensor Solution. s81 Moment tensor: Scale 10^{17}Nm; M_{rr}1.51 $M_{\theta\theta}$-1.10 $M_{\phi\phi}$-0.41 $M_{r\theta}$1.48 $M_{\theta\phi}$1.06 $M_{\phi r}$-0.76 Best double couple: NP1:ϕ_s315.00000° ,δ23.00000°,λ105.00000°. NP2:ϕ_s119.00000°,δ67.00000°,λ84.00000°. Principal axes: T 2.2100,Plg66.0000°,Azm17.0000°; N 0.3300,Plg5.0000°,Azm121.0000° ; P -2.5400,Plg22.0000°,Azm213.0000° $M_0$2.40000×10^{17}
SZGRF Northern Sumatera, Indonesia.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s85,c147; s94,c174; Moment tensor: Scale 10^{17}Nm; M_{rr}1.59±.05 $M_{\theta\theta}$-1.27±.03; $M_{\phi\phi}$-0.32±.04; $M_{r\theta}$1.83±.08; $M_{\theta\phi}$1.10±.03; $M_{\phi r}$-1.60±.09; Best double couple: NP1:ϕ_s293.00000°,δ19.00000°,λ74.00000°. NP2:ϕ_s130.00000°,δ72.00000°,λ95.00000°. Principal axes: T 2.8400,Plg63.0000° ,Azm49.0000°; N 0.3700,Plg5.0000°,Azm309.0000°; P -3.2100,Plg27.0000°,Azm216.0000° $M_0$3.00000×10^{17}
DJA VII 14 05 05 14 2.67N 97.56E 20 3.5
¶12921886
ISC VII 14 08 17 12.4–.25 2.09N–.03 96.44E–.03 30 4.8b,4.1s 197 1-145
BJI VII 14 08 17 06.4 1.72N 96.35E 27 4.9b,4.8b **¶11121245**
ISCJB VII 14 08 17 10.0–.25 2.07N–.03 96.43E–.03 29 4.8b,4.1s
MOS VII 14 08 17 10.9–1.2 2.16N 96.51E 33 5.1b,4.2s
IDC VII 14 08 17 11.5–.75 2.09N 96.45E 25–4 4.4L,4.2
DJA VII 14 08 17 11 1.99N 96.41E 25 4.9b,4.2
NEIC VII 14 08 17 12.2–.26 2.12N 96.47E 28 4.9b,4.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=2.8km az=44.5.
MOS Error ellipse: s-maj=10.5km s-min=6.4km az=104.7.
IDC Error ellipse: s-maj=19.7km s-min=11.9km az=52.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.8km az=200.0.
DJA VII 14 08 47 29 0.25N 98.43E 30 3.6
¶12921890
DJA VII 14 13 56 55 2.39N 98.94E 125 3.5
¶12921893
ISC VII 14 14 10 01.8–1.1 2.1N–.10 96.5E–.10 35 3.8b 12 3-81
IDC VII 14 14 09 56.4–1.5 2.01N 96.38E 0 3.8b,3.8 **¶11811561**
ISCJB VII 14 14 09 59.5–1.1 2.1N–.10 96.4E–.10 33 3.8b,3.8
NEIC VII 14 14 10 01.7–.70 2.06N 96.47E 35 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=47.9km s-min=19.2km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=13.6km az=40.6.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=9.5km az=221.0.
ISC VII 16 07 45 44.6–2.1 5.2N–.10 95.2E–.10 88–19 4.1b 27 4-141
NEIC VII 16 07 45 37.4–.82 4.69N 94.63E 35 4.4b **¶11811725**
IDC VII 16 07 45 42.5–3.5 4.98N 95.01E 72–31 4.0,3.9
ISCJB VII 16 07 45 43.0–2.2 5.2N–.10 95.2E–.10 90–21 4.1b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 16 21 25 36.6–.89 5.10N–.05 94.78E–.07 67–9 4.4b 134 3-141
BJI VII 16 21 25 29.7 5.24N 94.68E 20 4.8b,4.6b **¶11126458**
NEIC VII 16 21 25 34.8–1.1 5.02N 94.66E 53–9 4.5b,4.6b
ISCJB VII 16 21 25 35.2–1.1 5.10N–.05 94.83E–.07 69–10 4.4b,4.6b
IDC VII 16 21 25 36.0–.89 5.23N 94.88E 58–7 4.2,4.1
DJA VII 16 21 26 03 4.12N 96.80E 34 4.5,4.1
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=10.1km s-min=6.1km az=48.0. Felt [III] at Banda Aceh.
ISCJB Event type fe. Error ellipse: s-maj=12.0km s-min=6.5km az=155.9.
IDC Error ellipse: s-maj=25.8km s-min=10.7km az=46.0.
IDC VII 20 03 01 50.1–8.5 0.12N 97.67E 87–67 3.6b,3.5
¶12698338
IDC Error ellipse: s-maj=82.7km s-min=19.4km az=59.0.
ISC VII 22 12 27 56.3–.69 1.34N–.04 97.19E–.06 41–6 4.7b,3.9s 121 0-145
IDC VII 22 12 27 49.8–.75 1.26N 97.11E 0 4.4,4.4b **¶11227124**
BJI VII 22 12 27 53.3 1.30N 97.41E 33 4.8b,4.8b
MOS VII 22 12 27 53.1–.91 1.31N 97.17E 35 4.9b,4.8b
DJA VII 22 12 27 53 1.37N 97.05E 18 4.6,4.8b
ISCJB VII 22 12 27 55.0–.67 1.34N–.04 97.21E–.06 49–5 4.7b,3.9s
NEIC VII 22 12 27 55.3–.39 1.29N 97.27E 35 4.9b,3.9s
ISC Event type fe.
IDC Error ellipse: s-maj=17.5km s-min=15.9km az=49.0.
MOS Error ellipse: s-maj=12.9km s-min=6.6km az=96.1.
ISCJB Event type fe. Error ellipse: s-maj=10.2km s-min=5.4km az=149.4.
NEIC Event type fe. Error ellipse: s-maj=10.2km s-min=6.4km az=50.0. Felt [III] in Nias.
ISC VII 22 15 07 54.3–2.5 4.0N–.10 96.3E–.20 101–24 3.7b 11 3-51
NEIC VII 22 15 07 45.4–1.3 3.69N 95.59E 35 3.7b **¶11812368**
IDC VII 22 15 07 51.5–6.8 3.95N 96.10E 79–51 3.5,3.4L
ISCJB VII 22 15 07 53.6–2.5 4.1N–.10 96.3E–.20 112–25 3.7b,3.4L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC VII 23 18 12 46.4–3.0 1.3N–.20 97.2E–.20 34–15 3.4b 8 0-53
IDC VII 23 18 12 41.6–2.0 1.24N 97.04E 0 3.5b,3.4 **¶12698407**
DJA VII 23 18 12 42 1.14N 97.02E 24 3.6,3.4
ISCJB VII 23 18 12 44.1–1.4 1.2N–.10 97.05E–.09 33 3.4b,3.4
DJA VII 24 16 32 39 0.47N 98.52E 20 3.8
¶12922018
ISC VII 24 22 22 07.4–1.3 4.58N–.08 95.13E–.08 85–12 4.4b 43 4-83
BJI VII 24 22 22 05.5 4.67N 95.24E 78 5.1b,4.7b **¶11480122**
ISCJB VII 24 22 22 06.4–1.4 4.59N–.08 95.15E–.08 93–13 4.4b,4.7b
IDC VII 24 22 22 06.7–4.0 4.62N 95.14E 75–36 4.1,4.1L
NEIC VII 24 22 22 07.0–.89 4.57N 95.13E 83–8 4.5b,4.1L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=10.4km az=42.0.
IDC Error ellipse: s-maj=35.8km s-min=21.0km az=54.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.9km az=224.0.
IDC VII 25 08 07 50.1–3.1 2.09N 96.08E 0 4.4L,3.7
¶12698429
IDC Error ellipse: s-maj=117.6km s-min=26.9km az=63.0.
ISC VII 30 08 43 26.5–.00 1.1N–.10 97.0E–.10 35 3.8b 11 3-59
IDC VII 30 08 43 21.1–1.8 1.03N 96.88E 0 3.8b,3.7 **¶11812907**
ISCJB VII 30 08 43 24.1–.99 1.1N–.10 97.0E–.10 33 3.8b,3.7
NEIC VII 30 08 43 26.6–.96 1.12N 97.04E 35 3.9b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=43.4km s-min=27.8km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=16.2km az=35.4.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=16.0km az=223.0.
ISC VII 31 15 16 55.6–2.2 1.8N–.10 97.1E–.10 39–17 4.3b,3.5s 54 2-102
IDC VII 31 15 16 49.6–1.1 1.70N 96.98E 0 4.2,4.2b **¶11154040**
BJI VII 31 15 16 52.5 2.03N 97.32E 12 4.8b,4.5b
NEIC VII 31 15 16 52.9–4.8 1.75N 97.00E 21–32 4.7b,4.5b
MOS VII 31 15 16 53.8–.79 1.83N 97.01E 37 4.7b,4.5b
ISCJB VII 31 15 16 53.9–2.2 1.79N–.10 97.1E–.10 42–16 4.3b,3.5s
DJA VII 31 15 16 57 1.97N 97.14E 20 4.2,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=18.1km az=44.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=7.3km az=49.0.
MOS Error ellipse: s-maj=14.5km s-min=8.1km az=90.5.
ISCJB Event type se. Error ellipse: s-maj=22.1km s-min=10.7km az=140.8.
ISC VIII 03 06 25 32.4–1.0 2.97N–.09 96.2E–.10 35 4.2b,3.5s 12 3-81
IDC VIII 03 06 25 28.2–3.7 3.08N 96.24E 0 4.1b,4.1 **¶11907729**
ISCJB VIII 03 06 25 30.0–1.1 2.96N–.09 96.2E–.10 33 4.2b,3.5s
NEIC VIII 03 06 25 32.1–1.1 2.96N 96.20E 35 4.2b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=77.8km s-min=32.9km az=36.0.
ISCJB Event type se. Error ellipse: s-maj=17.4km s-min=11.8km az=149.3.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=11.9km az=217.0.
ISC VIII 03 17 37 31.6–1.9 1.55N–.08 97.1E–.10 43–19 4.2b 31 2-82
IDC VIII 03 17 37 23.8–3.4 1.25N 97.04E 0 4.1b,4.1 **¶11652784**
ISCJB VIII 03 17 37 30.0–1.9 1.54N–.08 97.0E–.10 47–18 4.2b,4.1
BJI VIII 03 17 37 29.8 1.96N 97.42E 10 4.9b,4.4b
NEIC VIII 03 17 37 31.1–2.7 1.50N 97.12E 42–20 4.5b,4.4b
DJA VIII 03 17 37 36 1.66N 97.67E 15 3.8,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=75.6km s-min=24.0km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=13.9km az=4.2.
NEIC Event type se. Error ellipse: s-maj=29.3km s-min=23.9km az=171.0.
ISC VIII 03 20 32 22.8–1.5 4.12N–.08 95.8E–.10 67–14 4.0b 42 2-149
ISCJB VIII 03 20 32 21.6–1.6 4.13N–.08 95.8E–.10 73–14 4.0b **¶11907742**
NEIC VIII 03 20 32 21.6–.39 4.11N 95.73E 56 4.2b
IDC VIII 03 20 32 22.1–.94 4.16N 95.82E 57–7 3.9,3.8
DJA VIII 03 20 32 32 3.89N 96.62E 23 4.3,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=9.6km az=152.2.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.9km az=50.0.
IDC Error ellipse: s-maj=27.6km s-min=9.4km az=42.0.
DJA VIII 04 12 24 14 0.11N 98.51E 10 3.6
¶12922185
IDC VIII 05 20 27 11.8–2.2 0.51N 97.16E 0 3.6b,3.6
¶12580936
IDC Error ellipse: s-maj=51.9km s-min=30.3km az=63.0.
ISC VIII 08 12 50 50.7–2.8 5.4N–.10 94.4E–.20 74–23 4.1b 18 5-160
NEIC VIII 08 12 50 46.2–.57 5.26N 94.10E 35 4.2b **¶11907962**
ISCJB VIII 08 12 50 48.7–3.1 5.4N–.10 94.4E–.20 74–26 4.1b
IDC VIII 08 12 50 49.4–4.5 5.39N 94.39E 60–40 4.2L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=8.9km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=35.9km s-min=11.6km az=150.9.
IDC Error ellipse: s-maj=48.1km s-min=17.2km az=59.0.
ISC VIII 08 17 54 40.7–2.0 4.92N–.08 95.1E–.10 78–19 4.2b 32 4-91
IDC VIII 08 17 54 30.6–.88 4.86N 94.87E 0 4.1b,4.1 **¶11907973**
ISCJB VIII 08 17 54 39.4–2.2 4.94N–.08 95.2E–.10 83–20 4.2b,4.1
NEIC VIII 08 17 54 39.4–1.7 4.89N 95.02E 67–16 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=19.4km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=18.8km s-min=12.0km az=160.6.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=8.3km az=71.0.
IDC VIII 09 16 03 53.6–2.5 4.01N 95.81E 0 3.6L,3.6
¶12580995
IDC Error ellipse: s-maj=81.7km s-min=22.4km az=56.0.
ISC VIII 11 07 25 19.2–.51 3.65N–.08 97.76E–.06 130–6 3.7b 23 1-141
ISCJB VIII 11 07 25 17.9–.53 3.62N–.09 97.72E–.07 136–6 3.7b **¶11908074**
IDC VIII 11 07 25 17.2–2.1 3.47N 97.54E 119–20 3.6b,3.6
NEIC VIII 11 07 25 18.2–1.6 3.57N 97.63E 126–15 3.6b,3.6
DJA VIII 11 07 25 20 3.60N 97.73E 114 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=11.3km az=6.3.
IDC Error ellipse: s-maj=45.4km s-min=19.6km az=58.0.
NEIC Event type se. Error ellipse: s-maj=29.1km s-min=14.3km az=75.0.
ISC VIII 12 08 19 00.7–2.6 4.9N–.10 95.2E–.20 81–27 4.0b 19 4-78
NEIC VIII 12 08 18 55.7–.84 4.80N 94.83E 35 4.3b **¶11908106**
IDC VIII 12 08 18 58.1–5.1 4.80N 94.99E 63–47 3.8,3.7b
ISCJB VIII 12 08 18 59.2–2.8 5.0N–.10 95.2E–.10 84–28 4.0b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC VIII 12 20 40 38.4–2.0 0.77N 97.32E 0 3.7b,3.6
¶12581041
IDC Error ellipse: s-maj=53.7km s-min=27.8km az=63.0.
ISC VIII 13 00 43 51.3–1.0 0.68N–.07 98.45E–.09 61–10 4.0b 25 1-60
ISCJB VIII 13 00 43 50.4–1.0 0.70N–.07 98.46E–.09 70–10 3.9b **¶11908130**

DJA VIII 13 00 43 51 0.66N 98.49E 29 3.9
NEIC VIII 13 00 44 00.0–2.9 1.44N 98.24E 91–19 4.0b
IDC VIII 13 00 44 00.9–4.0 1.51N 98.29E 96–26 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.2km s-min=9.0km az=148.9.
NEIC Event type se. Error ellipse: s-maj=39.9km s-min=15.8km az=54.0.
IDC Error ellipse: s-maj=53.6km s-min=24.0km az=61.0.
DJA VIII 13 04 13 02 0.85N 97.13E 45 3.4
¶12922270
DJA VIII 13 13 56 13 2.92N 96.45E 65 3.5
¶12922273
ISC VIII 13 16 37 32.8–.68 1.0N–.10 100.0E–.10 203–7 3.1b 12 0-57
IDC VIII 13 16 37 10.9–5.1 1.14N 100.00E 0 3.6,3.5b **¶12581058**
ISCJB VIII 13 16 37 31.8–.68 1.0N–.10 100.0E–.10 209–7 3.1b,3.5b
DJA VIII 13 16 37 34 1.01N 100.01E 186 3.2,3.5b
IDC Error ellipse: s-maj=301.5km s-min=21.9km az=53.0.
ISCJB Error ellipse: s-maj=19.6km s-min=14.1km az=138.7.
ISC VIII 13 19 28 22.8–.72 1.96N–.08 99.00E–.09 119–8 3.4b 11 1-47
ISCJB VIII 13 19 28 21.9–.72 1.97N–.08 99.00E–.09 125–8 3.4b **¶12581065**
IDC VIII 13 19 28 22.2–3.1 1.91N 98.90E 118–13 3.1,3.0b
DJA VIII 13 19 28 25 2.05N 99.00E 30 3.1,3.0b
ISCJB Error ellipse: s-maj=16.0km s-min=12.1km az=149.5.
IDC Error ellipse: s-maj=103.7km s-min=23.4km az=59.0.
ISC VIII 14 09 08 15.2–.91 0.79N–.04 99.81E–.05 14–6 3.9b,3.8s 30 0-143
IDC VIII 14 09 08 11.7–1.2 0.67N 99.61E 0 4.2L,3.9 **¶11908202**
ISCJB VIII 14 09 08 15.1–.69 0.83N–.04 99.77E–.06 25–6 3.9b,3.8s
DJA VIII 14 09 08 15 0.77N 99.82E 4 4.7,3.8s
NEIC VIII 14 09 08 17.1–.66 0.72N 99.76E 35 4.3b,3.8s
ISC Event type fe.
IDC Error ellipse: s-maj=48.1km s-min=19.7km az=56.0.
ISCJB Event type fe. Error ellipse: s-maj=10.5km s-min=5.3km az=154.3.
NEIC Event type fe. Error ellipse: s-maj=23.6km s-min=10.5km az=63.0. Felt [III] at Panyabungan and Pasaman.
DJA VIII 17 17 10 04 4.20N 96.84E 18 3.6
¶12922316
DJA VIII 17 17 19 51 1.22N 99.54E 26 3.5
¶12922317
DJA VIII 17 18 28 26 4.19N 97.02E 20 3.9
¶12922319
DJA VIII 18 02 00 12 0.74N 99.77E 10 3.5
¶12922326
ISC VIII 19 00 23 47.8–.72 4.62N–.05 95.83E–.06 99–7 4.3b 135 2-160
BJI VIII 19 00 23 39.6 3.89N 95.61E 98 4.7b,4.4b **¶13392058**
MOS VIII 19 00 23 45.9–1.0 4.78N 95.83E 90 4.5b,4.4b
IDC VIII 19 00 23 45.8–.68 4.67N 95.70E 80–5 4.2,4.1
ISCJB VIII 19 00 23 46.2–.80 4.65N–.05 95.83E–.06 98–8 4.3b,4.1
NEIC VIII 19 00 23 47.9–1.2 4.70N 95.76E 98–10 4.4b,4.1
DJA VIII 19 00 23 50 4.48N 96.04E 102 4.9b,4.1
ISC Event type se.
MOS Error ellipse: s-maj=15.1km s-min=6.6km az=116.1.
IDC Error ellipse: s-maj=22.6km s-min=9.0km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.0km az=151.1.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.4km az=59.0.
IDC VIII 19 19 00 36.8–4.6 3.50N 96.29E 0 3.6b,3.5
¶12581207
IDC Error ellipse: s-maj=115.4km s-min=33.5km az=39.0.
ISC VIII 20 02 38 27.3–.58 1.04N–.05 97.27E–.07 35 4.3b 36 0-144
BJI VIII 20 02 38 22.2 1.00N 97.30E 10 4.7b,4.7b **¶11653007**
IDC VIII 20 02 38 22.0–1.2 1.01N 97.23E 0 4.2b,4.2
ISCJB VIII 20 02 38 24.7–.57 0.99N–.05 97.17E–.06 33 4.3b,4.2
NEIC VIII 20 02 38 27.2–.45 1.03N 97.27E 35 4.4b,4.2
DJA VIII 20 02 38 29 1.26N 97.45E 39 4.2,4.2
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=16.4km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.6km az=154.3.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.3km az=66.0.
IDC VIII 20 02 38 56.2–2.3 0.88N 97.10E 0 4.1,4.0b
¶12581223
IDC Error ellipse: s-maj=108.6km s-min=18.7km az=57.0.
ISC VIII 20 04 54 44.0–.28 2.08N–.04 96.75E–.04 28 4.7b,3.6s 99 1-144
BJI VIII 20 04 54 39.0 1.79N 96.76E 29 5.1b,5.0b **¶11653009**
ISCJB VIII 20 04 54 41.7–.28 2.04N–.04 96.71E–.04 26 4.7b,3.6s
NEIC VIII 20 04 54 43.6–.26 2.07N 96.76E 29 4.6b,3.6s
IDC VIII 20 04 54 43.5–.72 2.07N 96.73E 28–4 4.4,4.4L
DJA VIII 20 04 54 45 2.26N 96.77E 83 4.9,4.4L
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.2km az=142.3.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.8km az=57.0.
IDC Error ellipse: s-maj=16.0km s-min=11.7km az=56.0.
ISC VIII 20 04 57 11.9–.44 0.36N–.08 100.3E–.10 169–5 3.9b 29 1-143
ISCJB VIII 20 04 57 10.9–.44 0.40N–.08 100.3E–.10 176–5 3.9b **¶11908473**
NEIC VIII 20 04 57 11.1–1.5 0.33N 100.45E 167–12 4.3b
IDC VIII 20 04 57 11.0–2.3 0.37N 100.43E 162–21 3.7,3.6b
DJA VIII 20 04 57 20 0.16N 100.14E 55 4.0,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=10.2km az=150.0.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=12.9km az=57.0.
IDC Error ellipse: s-maj=28.1km s-min=13.7km az=54.0.
DJA VIII 21 19 33 33 1.34N 98.95E 15 3.5
¶12922352
ISC VIII 22 06 46 59.0–2.1 1.2N–.10 97.1E–.10 34–11 3.8b 18 1-83
IDC VIII 22 06 46 54.7–1.9 1.18N 97.33E 0 4.0,3.9b **¶12581288**
DJA VIII 22 06 46 54 0.97N 96.97E 29 4.1,3.9b
ISCJB VIII 22 06 46 56.7–.82 1.09N–.08 97.01E–.06 33 3.8b,3.9b
ISC VIII 22 13 17 59.3–.79 2.43N–.04 96.29E–.05 40–7 4.7b,3.8s 139 1-145
IDC VIII 22 13 17 53.5–.73 2.44N 96.22E 0 4.6,4.5 **¶11184406**
BJI VIII 22 13 17 54.6 2.31N 96.32E 27 5.0b,4.9b
DJA VIII 22 13 17 55 2.34N 96.09E 18 4.9b,4.9b
MOS VIII 22 13 17 57.0–.90 2.54N 96.29E 33 5.0b,4.9b
ISCJB VIII 22 13 17 57.5–.85 2.41N–.04 96.28E–.05 43–7 4.7b,3.8s
NEIC VIII 22 13 17 59.1–.94 2.51N 96.34E 36–8 4.8b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=13.9km az=48.0.
MOS Error ellipse: s-maj=11.5km s-min=6.6km az=99.4.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.5km az=152.1.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.7km az=55.0.
ISC VIII 22 15 38 38.9–3.8 2.42N–.07 96.2E–.10 29–28 4.1b,3.8s 27 1-81
IDC VIII 22 15 38 34.0–1.4 2.32N 96.13E 0 4.1,4.0b **¶11653045**
BJI VIII 22 15 38 35.3 2.39N 96.61E 18 5.2b,4.5b
DJA VIII 22 15 38 36 2.43N 96.16E 13 4.3,4.5b
ISCJB VIII 22 15 38 37.8–1.5 2.40N–.07 96.2E–.10 37–13 4.1b,3.8s
NEIC VIII 22 15 38 39.6–2.1 2.36N 96.24E 37–18 4.3b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=47.0km s-min=17.6km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=9.2km az=156.5.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=8.5km az=66.0.
ISC VIII 23 07 17 09.4–.53 1.39N–.05 99.63E–.07 173–5 3.8b 30 1-57
DJA VIII 23 07 17 04 1.19N 99.70E 277 4.0 **¶12581312**
ISCJB VIII 23 07 17 08.2–.53 1.39N–.05 99.61E–.07 179–5 3.8b
IDC VIII 23 07 17 08.8–2.3 1.30N 99.60E 172–9 3.5b,3.5
ISCJB Error ellipse: s-maj=12.2km s-min=8.0km az=155.0.
IDC Error ellipse: s-maj=90.3km s-min=20.8km az=56.0.
ISC VIII 24 04 05 49.2–2.2 2.27N–.05 96.20E–.05 27–17 4.4b 42 1-145
BJI VIII 24 04 05 42.8 1.81N 96.18E 28 4.5b **¶11653063**
IDC VIII 24 04 05 44.8–.86 2.27N 96.24E 0 4.2b,4.2
ISCJB VIII 24 04 05 48.4–1.2 2.24N–.05 96.20E–.07 39–11 4.4b,4.2
DJA VIII 24 04 05 48 2.33N 96.14E 27 4.5,4.2
NEIC VIII 24 04 05 49.9–.53 2.30N 96.28E 35 3.8b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=16.0km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=8.0km az=153.6.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.2km az=60.0.
ISC VIII 24 04 35 55.9–1.2 2.77N–.07 96.2E–.10 46–12 4.0b,3.7s 33 1-145
IDC VIII 24 04 35 48.8–.79 2.58N 96.03E 0 4.2,4.1b **¶11908674**
ISCJB VIII 24 04 35 54.3–1.3 2.74N–.07 96.2E–.10 50–12 4.1b,3.7s
NEIC VIII 24 04 35 54.0–.53 2.57N 96.08E 35 4.1b,3.7s
DJA VIII 24 04 35 54 2.85N 96.29E 14 4.4,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=14.2km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=8.1km az=154.8.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=9.6km az=50.0.
DJA VIII 24 05 25 06 4.97N 97.02E 13 3.9
¶12922385
ISC VIII 25 22 29 02.1–.62 0.39N–.03 98.39E–.05 38–6 4.4b,4.0s 75 1-145
IDC VIII 25 22 28 56.1–.72 0.36N 98.54E 0 4.3,4.3b **¶11208011**
ISCJB VIII 25 22 29 00.4–.68 0.41N–.03 98.38E–.05 39–6 4.4b,4.0s
BJI VIII 25 22 29 01.5 0.66N 98.83E 22 5.0b,4.7b
DJA VIII 25 22 29 01 0.36N 98.33E 38 5.1,4.7b
NEIC VIII 25 22 29 02.1–2.2 0.37N 98.63E 44–17 4.4b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=12.1km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.5km az=156.7.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=8.5km az=56.0.
IDC VIII 26 02 36 15.9–3.4 4.76N 96.22E 120–29 3.6,3.4s
¶12581414
IDC Error ellipse: s-maj=83.7km s-min=17.4km az=48.0.
DJA VIII 26 05 46 40 0.67N 98.50E 15 3.5
¶12922408
ISC VIII 27 17 38 26.6–1.1 0.6N–.10 97.6E–.20 35 3.7b 10 3-57
IDC VIII 27 17 38 20.9–1.6 0.50N 97.37E 0 3.6b,3.6 **¶11908940**
ISCJB VIII 27 17 38 23.9–1.1 0.6N–.10 97.5E–.20 33 3.7b,3.6
NEIC VIII 27 17 38 26.3–.89 0.57N 97.49E 35 4.1b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=55.3km s-min=17.9km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=30.6km s-min=12.2km az=158.6.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=10.1km az=68.0.
ISC VIII 29 22 46 53.3–.85 2.24N–.05 96.74E–.06 49–7 4.6b,3.8s 120 1-143
IDC VIII 29 22 46 45.8–.85 2.16N 96.67E 0 4.4,4.3 **¶11223903**
MOS VIII 29 22 46 48.9–.97 2.14N 96.68E 33 4.8b,4.3
DJA VIII 29 22 46 51 2.26N 96.53E 39 4.6,4.3
BJI VIII 29 22 46 51.9 2.48N 97.02E 37 4.9b,4.7b
ISCJB VIII 29 22 46 51.7–.93 2.21N–.05 96.75E–.06 55–7 4.6b,3.8s
NEIC VIII 29 22 46 51.4–2.1 2.13N 96.74E 38–16 4.6b,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=14.8km az=51.0.
MOS Error ellipse: s-maj=13.5km s-min=7.0km az=101.1.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=5.6km az=145.7.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=7.2km az=50.0.
ISC IX 01 19 22 22.9–1.9 2.69N–.07 96.2E–.10 46–17 4.0b,3.8s 21 1-85
IDC IX 01 19 22 15.5–1.6 2.49N 95.94E 0 3.8b,3.8 **¶11909241**
ISCJB IX 01 19 22 21.1–2.0 2.65N–.07 96.2E–.10 50–17 4.0b,3.8s
NEIC IX 01 19 22 21.1–.71 2.58N 96.09E 35 4.3b,3.8s
DJA IX 01 19 22 23 2.58N 96.38E 13 4.0,3.8s
ISC Event type se.
IDC Error ellipse: s-maj=53.8km s-min=20.1km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=22.9km s-min=9.9km az=164.1.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.8km az=223.0.
ISC IX 02 09 00 02.5–.21 0.42N–.03 98.02E–.03 31 5.0b,4.6s 234 2-159
BJI IX 02 08 59 56.8 0.02N 97.82E 35 5.0s,5.0b **¶11230920**
IDC IX 02 08 59 57.7–.45 0.46N 98.12E 0 4.6,4.6b
GCMT IX 02 09 00 00.6–.30 0.38N 98.06E 25–1 5.1W,4.6b
ISCJB IX 02 09 00 00.2–.22 0.42N–.03 98.02E–.03 29 5.0b,4.6s
MOS IX 02 09 00 00.8–1.2 0.50N 98.16E 33 5.3b,4.8s
DJA IX 02 09 00 02 0.37N 97.96E 30 5.3b,4.8s
NEIC IX 02 09 00 03.2–.28 0.49N 98.09E 35 5.1b,4.8s
ISC Event type fe.
IDC Error ellipse: s-maj=16.5km s-min=12.0km az=75.0.
GCMT Event type se. Data Used: IC IU II CN G. Moment Tensor Solution. s25,c31; s70,c109; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.07±.19 $M_{\theta\theta}$-4.45±.15; $M_{\phi\phi}$4.51±.19; $M_{r\theta}$1.05±.31; $M_{\theta\phi}$2.88±.14; $M_{\phi r}$0.29±.38; Best double couple: NP1:ϕ_s332.00000°,δ79.00000°,λ-177.00000°. NP2:ϕ_s241.00000°,δ87.00000°,λ-11.00000°. Principal axes: T 5.4200,Plg6.0000° ,Azm287.0000°; N 0.0300,Plg78.0000°,Azm48.0000°; P -5.4600,Plg10.0000°,Azm196.0000° M_o5.40000×10^{16}
ISCJB Event type fe. Error ellipse: s-maj=5.0km s-min=3.3km az=138.0.
MOS Error ellipse: s-maj=13.1km s-min=6.2km az=96.8.
NEIC Event type fe. Error ellipse: s-maj=7.9km s-min=7.1km az=81.0. Felt [II] at Gunungsitoli.
ISC IX 02 12 14 27.5–.67 0.86N–.06 97.37E–.06 35 4.1b 35 2-83
IDC IX 02 12 14 22.1–1.3 0.80N 97.42E 0 4.1b,4.1 **¶11909275**
ISCJB IX 02 12 14 25.0–.66 0.82N–.05 97.31E–.06 33 4.1b,4.1
NEIC IX 02 12 14 27.2–.61 0.83N 97.44E 35 3.7b,4.1
DJA IX 02 12 14 29 0.97N 97.50E 55 4.1,4.1
ISC Event type se.
IDC Error ellipse: s-maj=40.0km s-min=16.9km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.1km az=139.7.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.2km az=71.0.
ISC IX 03 22 34 42.7–.56 1.26N–.03 97.13E–.04 49–5 4.9b,4.4s 179 2-147
IDC IX 03 22 34 35.9–.69 1.29N 97.12E 0 4.6L,4.5b **¶11230740**
BJI IX 03 22 34 38.5 1.12N 97.36E 34 5.0b,4.9b
MOS IX 03 22 34 38.9–.95 1.33N 97.25E 33 5.1b,4.9b
DJA IX 03 22 34 38 1.29N 96.97E 5 4.9,4.9b
NEIC IX 03 22 34 39.8–1.7 1.31N 97.15E 26–12 4.8b,4.9b
ISCJB IX 03 22 34 41.2–.63 1.27N–.04 97.14E–.04 53–5 4.9b,4.4s
ISC Event type fe.
NEIC Event type fe. Felt [III] at Gunungsitoli.
ISCJB Event type fe.
DJA IX 03 23 03 45 0.35N 98.45E 20 3.9
¶12922511
IDC IX 06 02 15 54.2–2.5 1.21N 97.07E 0 3.8b,3.8
¶11909576
IDC Error ellipse: s-maj=85.5km s-min=21.7km az=60.0.
DJA IX 07 05 15 28 0.58N 98.85E 70 3.5
¶12922529
IDC IX 07 19 12 00.6–10 5.49N 95.04E 0 4.0L,3.9
¶11909747
IDC Error ellipse: s-maj=275.7km s-min=43.5km az=82.0.
NEIC IX 07 20 49 37.9–.93 2.24N 96.26E 35 3.7b
IDC IX 07 20 49 32.0–2.9 2.14N 96.08E 0 3.7,3.6b **¶11909753**
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=11.0km az=63.0.
IDC Error ellipse: s-maj=113.3km s-min=21.4km az=61.0.
IDC IX 08 18 37 50.9–11 3.84N 96.84E 0 3.8,3.5b
¶11909829
IDC Error ellipse: s-maj=313.5km s-min=47.4km az=77.0.
NEIC IX 09 15 15 15.7–.58 1.15N 97.20E 35
IDC IX 09 15 15 10.6–1.9 1.12N 97.19E 0 4.0L,3.8 **¶11909882**
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=7.9km az=68.0.
IDC Error ellipse: s-maj=69.8km s-min=17.9km az=61.0.
ISC IX 10 00 18 54.0–.50 2.47N–.03 96.27E–.03 43–5 4.9b,4.6s 324 1-159
IDC IX 10 00 18 47.4–.43 2.51N 96.38E 0 4.8L,4.6 **¶11255604**
BJI IX 10 00 18 48.1 2.21N 96.20E 32 5.2b,5.1b
ISCJB IX 10 00 18 51.4–.59 2.46N–.03 96.26E–.03 37–5 4.9b,4.6s
MOS IX 10 00 18 51.0–1.1 2.52N 96.29E 33 5.2b,4.6s
DJA IX 10 00 18 51 2.40N 96.11E 15 5.1b,4.6s
NEIC IX 10 00 18 53.4–.98 2.45N 96.29E 40–8 5.0b,4.6s
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=11.2km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.4km az=139.1.
MOS Error ellipse: s-maj=10.9km s-min=5.2km az=113.9.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.5km az=48.0.
ISC IX 10 03 00 31.0–.14 2.52N–.02 96.30E–.02 42 5.3s,5.2b 498 1-174
SZGRF IX 10 03 00 20.9 2.39N 99.07E 80 5.1s,5.0b **¶11255612**
IDC IX 10 03 00 23.9–.41 2.59N 96.37E 0 5.2s,5.2
BJI IX 10 03 00 25.7 2.10N 96.20E 46 5.7b,5.6s

DJA IX 10 03 00 27 2.39N 96.08E 12 5.5b,5.6s
MOS IX 10 03 00 28.2–1.0 2.57N 96.35E 33 5.4b,5.1s
ISCJB IX 10 03 00 28.9–.14 2.53N–.02 96.32E–.02 40 5.3s,5.2b
NEIC IX 10 03 00 30.9–.90 2.51N 96.32E 43–7 5.4W,5.2b
GCMT IX 10 03 00 30.4–.10 2.13N 96.03E 30–0 5.5W,5.2b
ISC Event type fe.
SZGRF Northern Sumatera, Indonesia.
IDC Error ellipse: s-maj=15.7km s-min=12.7km az=62.0.
MOS Error ellipse: s-maj=8.3km s-min=4.6km az=114.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.5km az=37.7.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=4.3km az=222.0. Felt [III] at Sinabang. Moment Tensor Solution. s78 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$-0.30 $M_{r\theta}$0.96 $M_{\theta\phi}$0.59 $M_{\phi r}$-0.73 Best double couple: NP1:ϕ_s301.00000°,δ22.00000°,λ85.00000°. NP2:ϕ_s126.00000°,δ68.00000°,λ92.00000°. Principal axes: T 1.6200,Plg66.0000° ,Azm40.0000°; N 0.0900,Plg1.0000°,Azm305.0000°; P -1.7100,Plg23.0000°,Azm214.0000° M_o1.70000×10^{17}
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s80,c127; s90,c149; Moment tensor: Scale 10^{17}Nm; M_{rr}1.17±.03 $M_{\theta\theta}$-0.84±.02; $M_{\phi\phi}$-0.33±.03; $M_{r\theta}$1.26±.04; $M_{\theta\phi}$0.88±.02; $M_{\phi r}$-1.02±.05; Best double couple: NP1:ϕ_s304.00000°,δ20.00000°,λ86.00000°. NP2:ϕ_s129.00000°,δ70.00000°,λ92.00000°. Principal axes: T 1.9400,Plg65.0000° ,Azm41.0000°; N 0.3300,Plg1.0000°,Azm308.0000°; P -2.2700,Plg25.0000°,Azm218.0000° M_o2.10000×10^{17}
ISC IX 10 03 13 43.8–.51 2.51N–.06 96.28E–.07 35 4.3b 39 1-145
IDC IX 10 03 13 39.2–.75 2.77N 96.86E 0 4.2b,4.2 **¶11909924**
ISCJB IX 10 03 13 41.4–.53 2.48N–.06 96.23E–.06 33 4.3b,4.2
NEIC IX 10 03 13 43.7–.54 2.51N 96.41E 35 4.5b,4.2
BJI IX 10 03 13 45.9 3.08N 96.55E 32 5.2b,4.7b
DJA IX 10 03 13 46 2.64N 96.47E 23 4.5,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=14.8km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=7.2km az=42.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.6km az=57.0.
ISC IX 10 03 21 28.3–2.9 2.35N–.05 96.16E–.06 32–21 4.3b 35 1-145
IDC IX 10 03 21 24.4–.82 2.63N 96.58E 0 4.2,4.1b **¶11909925**
ISCJB IX 10 03 21 27.1–1.6 2.32N–.05 96.17E–.10 42–14 4.3b,4.1b
NEIC IX 10 03 21 29.3–.54 2.48N 96.32E 35 4.4b,4.1b
DJA IX 10 03 21 30 2.27N 96.42E 21 4.4,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=42.3km s-min=14.1km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=7.8km az=169.3.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.6km az=47.0.
ISC IX 10 03 28 04.2–1.1 2.5N–.10 96.07E–.07 35 4.1b 16 1-81
DJA IX 10 03 28 01 2.49N 95.93E 20 4.4 **¶11909927**
ISCJB IX 10 03 28 02.7–1.2 2.6N–.10 96.14E–.08 33 4.1b
IDC IX 10 03 28 04.6–2.1 3.16N 95.47E 0 4.1L,4.1
NEIC IX 10 03 28 05.1–1.6 2.62N 96.23E 35 4.0b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.2km s-min=10.7km az=16.1.
IDC Error ellipse: s-maj=81.1km s-min=27.5km az=57.0.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=11.1km az=182.0.
ISC IX 10 03 29 22.0–3.6 2.5N–.10 96.4E–.20 50–30 4.2b 29 5-145
BJI IX 10 03 29 13.6 2.37N 96.19E 17 4.6b **¶11909929**
IDC IX 10 03 29 15.2–.81 2.59N 96.47E 0 4.5L,4.2
ISCJB IX 10 03 29 18.7–4.2 2.5N–.10 96.3E–.20 41–34 4.2b,4.2
NEIC IX 10 03 29 19.8–.51 2.43N 96.26E 35 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=14.2km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=38.0km s-min=11.9km az=147.4.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.8km az=60.0.
ISC IX 10 04 02 27.8–.26 2.46N–.04 96.26E–.03 35 4.8b,4.5s 189 1-146
DJA IX 10 04 02 20 2.54N 95.68E 19 5.0,4.5s **¶11255615**
BJI IX 10 04 02 21.3 1.96N 96.17E 36 5.0b,4.9b
IDC IX 10 04 02 21.4–.65 2.44N 96.28E 0 4.7L,4.5
ISCJB IX 10 04 02 25.3–.26 2.42N–.04 96.23E–.03 33 4.8b,4.5s
MOS IX 10 04 02 25.1–1.2 2.49N 96.38E 33 5.0b,4.5s
NEIC IX 10 04 02 27.4–1.7 2.42N 96.30E 37–14 4.8b,4.5s
TEH IX 10 04 02 28.0 2.42N 96.32E 38 4.8b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=23.0km s-min=14.4km az=50.0.
ISCJB Event type fe. Error ellipse: s-maj=6.0km s-min=3.8km az=38.4.
MOS Error ellipse: s-maj=14.4km s-min=6.0km az=108.6.
NEIC Event type fe. Error ellipse: s-maj=15.2km s-min=6.1km az=51.0. Felt [II] at Sinabang.
IDC IX 10 04 43 57.8–3.6 2.15N 96.09E 0 3.8,3.7b
¶11909934
IDC Error ellipse: s-maj=148.2km s-min=22.2km az=59.0.
ISC IX 10 07 47 40.1–2.9 2.32N–.10 96.2E–.20 45–24 3.9b 24 1-55
IDC IX 10 07 47 33.6–2.4 2.23N 96.18E 0 4.0L,4.0 **¶11909941**
DJA IX 10 07 47 35 2.42N 95.98E 9 4.3,4.0
NEIC IX 10 07 47 38.9–.64 2.28N 96.23E 35 4.3,4.0
ISCJB IX 10 07 47 39.2–3.3 2.3N–.10 96.3E–.20 55–25 3.9b,4.0
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC IX 12 17 15 23.2–2.7 2.09N 98.86E 125–10 3.3,3.2b
¶11910112
IDC Error ellipse: s-maj=95.6km s-min=17.9km az=56.0.
ISC IX 13 06 38 51.0–2.0 0.3N–.10 98.6E–.20 66–15 3.5b 11 1-48
IDC IX 13 06 38 42.2–2.5 0.08N 98.60E 0 3.6b,3.6 **¶11910159**
DJA IX 13 06 38 48 0.37N 98.45E 15 4.0,3.6
ISCJB IX 13 06 38 50.5–2.2 0.4N–.10 98.6E–.20 77–15 3.5b,3.6
ISC IX 14 02 54 51.5–.48 1.61N–.07 99.53E–.08 174–5 3.7b 23 1-54
ISCJB IX 14 02 54 50.5–.48 1.61N–.07 99.53E–.08 180–5 3.7b **¶11910229**
IDC IX 14 02 54 51.5–1.2 1.73N 99.81E 167–21 3.6,3.5b
NEIC IX 14 02 54 51.7–1.0 1.63N 99.68E 174–7 3.6b,3.5b
DJA IX 14 02 54 51 1.57N 99.49E 174 3.7,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=7.3km az=142.8.
IDC Error ellipse: s-maj=122.1km s-min=16.2km az=57.0.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=12.0km az=54.0.
ISC IX 15 08 55 05.1–.61 3.99N–.09 96.33E–.06 67 4.1b 21 4-94
NEIC IX 15 08 55 00.8–.72 3.78N 95.96E 35 4.4b **¶11910327**
ISCJB IX 15 08 55 03.0–.62 3.99N–.09 96.32E–.06 65 4.1b
IDC IX 15 08 55 04.7–.85 4.02N 96.32E 66–6 3.9,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=11.6km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=7.9km az=9.1.
IDC Error ellipse: s-maj=32.5km s-min=12.3km az=54.0.
ISC IX 17 05 04 52.3–.90 2.44N–.05 96.53E–.07 76–8 4.5b 63 1-143
IDC IX 17 05 04 41.8–.81 2.30N 96.22E 0 4.4,4.3b **¶11279467**
BJI IX 17 05 04 42.5 2.05N 96.46E 32 4.8b,4.8b
DJA IX 17 05 04 46 2.47N 96.16E 20 4.6,4.8b
NEIC IX 17 05 04 47.0–.38 2.24N 96.27E 35 4.8b,4.8b
ISCJB IX 17 05 04 49.8–.99 2.40N–.05 96.44E–.07 72–8 4.5b,4.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 17 05 49 26.1–2.6 2.4N–.10 96.3E–.20 52–20 4.0b 26 1-81
IDC IX 17 05 49 17.8–1.4 2.14N 95.98E 0 4.1L,4.1 **¶12922622**
NEIC IX 17 05 49 19.7–.67 2.21N 96.10E 10 4.1L,4.1
DJA IX 17 05 49 19 2.39N 95.79E 30 4.3,4.1
ISCJB IX 17 05 49 24.3–3.0 2.4N–.10 96.3E–.20 54–23 4.0b,4.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 18 05 57 03.7–3.2 2.09N–.07 96.09E–.06 14–20 4.2b,3.7s 26 2-81
IDC IX 18 05 57 01.5–1.4 2.10N 96.05E 0 4.1b,4.1 **¶11910535**
BJI IX 18 05 57 04.0 2.05N 96.83E 38 4.9b,4.5b
DJA IX 18 05 57 07 2.12N 96.26E 68 4.2,4.5b
NEIC IX 18 05 57 07.1–.50 2.19N 96.19E 35 4.4b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=49.7km s-min=18.6km az=49.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.8km az=214.0.
ISC IX 18 21 45 19.8–.32 2.60N–.04 99.01E–.06 173–3 3.6b 43 0-80
ISCJB IX 18 21 45 18.7–.33 2.61N–.04 98.99E–.06 179–3 3.6b **¶11910589**
IDC IX 18 21 45 19.6–.65 2.62N 99.04E 170–5 3.3,3.2b
NEIC IX 18 21 45 20.1–.67 2.61N 98.99E 178–6 4.0b,3.2b
DJA IX 18 21 45 20 2.57N 99.02E 159 3.5,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.6km az=155.4.
IDC Error ellipse: s-maj=51.5km s-min=14.9km az=54.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.0km az=52.0.
ISC IX 19 13 04 53.5–.31 5.26N–.05 94.33E–.04 41 4.6b,3.9s 203 3-146
BJI IX 19 13 04 49.2 4.87N 94.29E 44 4.8b,4.7b **¶11280404**
MOS IX 19 13 04 50.9–1.0 5.27N 94.34E 33 4.9b,4.7b
ISCJB IX 19 13 04 51.6–.32 5.28N–.05 94.39E–.04 39 4.6b,3.9s
NEIC IX 19 13 04 52.5–.30 5.25N 94.32E 35 4.7b,3.9s
IDC IX 19 13 04 54.0–.67 5.31N 94.46E 49–5 4.3,4.2
DJA IX 19 13 05 22 3.83N 96.53E 51 3.8,4.2
ISC Event type fe.
MOS Error ellipse: s-maj=11.9km s-min=5.6km az=114.3.
ISCJB Event type fe. Error ellipse: s-maj=8.4km s-min=4.6km az=33.6.
NEIC Event type fe. Error ellipse: s-maj=8.7km s-min=5.4km az=214.0. Felt [II] at Banda Aceh.
IDC Error ellipse: s-maj=22.0km s-min=9.8km az=46.0.
ISC IX 19 17 17 13.8–.78 4.57N–.06 96.96E–.07 161–8 4.4b 69 3-142
BJI IX 19 17 16 56.7 4.50N 96.90E 15 4.8b,4.7b **¶11910635**
IDC IX 19 17 17 11.8–1.1 4.51N 96.83E 146–9 4.1,4.0b
ISCJB IX 19 17 17 12.9–.77 4.59N–.06 96.98E–.07 169–8 4.4b,4.0b
NEIC IX 19 17 17 12.7–.89 4.50N 96.86E 156–8 4.4b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=9.3km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=9.3km az=150.7.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.8km az=64.0.
DJA IX 20 11 42 14 0.29N 98.33E 19 3.5
¶12922643
IDC IX 21 16 40 34.2–3.7 5.16N 94.56E 0 3.5,3.4b
¶11910773
IDC Error ellipse: s-maj=148.2km s-min=23.4km az=62.0.
IDC IX 22 03 15 10.3–2.1 0.13N 98.14E 0 3.9,3.7b
¶11910807
IDC Error ellipse: s-maj=78.5km s-min=22.7km az=60.0.
ISC IX 23 20 48 07.4–.70 1.88N–.06 99.33E–.06 10 15 1-5
ISCJB IX 23 20 48 06.3–.71 1.89N–.06 99.35E–.06 10 **¶12922659**
DJA IX 23 20 48 07 1.76N 99.07E 7 3.8
ISCJB Error ellipse: s-maj=10.1km s-min=7.3km az=135.1.
ISC IX 24 03 54 52.2–1.9 4.24N–.09 96.3E–.10 106–17 3.9b 21 3-161
IDC IX 24 03 54 46.1–.73 4.04N 95.92E 54–6 3.8,3.7b **¶11910916**
NEIC IX 24 03 54 46.3–.52 4.00N 95.91E 56 4.1b,3.7b
ISCJB IX 24 03 54 51.4–1.8 4.25N–.09 96.3E–.10 115–17 3.9b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 24 04 23 42.1–.56 0.45N–.05 97.88E–.05 35 4.0b 34 2-144
IDC IX 24 04 23 36.1–.99 0.32N 97.72E 0 4.2,4.2s **¶11910918**
ISCJB IX 24 04 23 39.7–.57 0.42N–.05 97.82E–.05 33 4.0b,4.2s
NEIC IX 24 04 23 41.3–9.3 0.40N 97.85E 32–62 4.2b,4.2s
DJA IX 24 04 23 42 0.82N 98.27E 131 4.2,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=16.7km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.6km az=43.4.
NEIC Event type se. Error ellipse: s-maj=43.2km s-min=9.7km az=55.0.
ISC IX 25 02 23 39.0–1.3 3.05N–.06 96.06E–.09 57–13 4.2b 43 1-146
ISCJB IX 25 02 23 37.3–1.4 3.03N–.06 96.04E–.09 59–13 4.2b **¶11910983**
IDC IX 25 02 23 39.6–3.4 3.07N 96.10E 63–31 4.0,3.9
DJA IX 25 02 23 39 2.93N 96.20E 20 4.2,3.9
NEIC IX 25 02 23 40.6–1.6 3.08N 96.15E 73–14 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=9.1km az=161.4.
IDC Error ellipse: s-maj=26.2km s-min=12.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=6.8km az=61.0.
DJA IX 25 13 44 18 2.64N 97.74E 13 3.5
¶12922672
DJA IX 26 21 55 50 1.61N 99.99E 10 3.5
¶12922684
DJA IX 27 23 51 05 1.06N 98.74E 20 3.6
¶12922693
ISC IX 28 14 38 48.7–1.1 0.9N–.10 97.3E–.10 35 3.7b 14 2-54
IDC IX 28 14 38 42.8–1.8 0.83N 97.14E 0 3.8,3.7b **¶11911273**
ISCJB IX 28 14 38 46.3–1.1 0.9N–.10 97.3E–.10 33 3.7b,3.7b
NEIC IX 28 14 38 48.6–.81 0.93N 97.28E 35 3.7b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=54.4km s-min=20.4km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=14.5km az=147.9.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.2km az=57.0.
ISC IX 28 22 43 52.9–.60 2.58N–.03 96.00E–.04 41–6 4.8b,4.4s 245 1-145
IDC IX 28 22 43 46.8–.59 2.59N 95.96E 0 4.6L,4.5 **¶11313834**
BJI IX 28 22 43 46.2 2.18N 96.02E 32 5.2b,5.0b
ISCJB IX 28 22 43 50.7–.71 2.59N–.03 96.02E–.04 38–6 4.8b,4.4s
MOS IX 28 22 43 50.2–.86 2.63N 96.03E 33 5.0b,4.4s
NEIC IX 28 22 43 53.6–.83 2.64N 96.07E 49–7 4.9b,4.4s
DJA IX 28 22 43 54 2.47N 96.14E 30 4.7,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=11.9km az=49.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.2km az=149.9.
MOS Error ellipse: s-maj=10.9km s-min=5.6km az=119.1.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.0km az=49.0.
ISC IX 29 20 21 36.9–.77 2.24N–.05 96.15E–.06 35–7 4.7b,4.0s 99 1-143
ISCJB IX 29 20 21 33.8–1.4 2.19N–.05 96.12E–.05 30–10 4.7b,4.0s **¶11322376**
BJI IX 29 20 21 33.6 2.15N 96.03E 34 5.1b,4.8b
NEIC IX 29 20 21 36.9–.35 2.28N 96.20E 35 5.0b,4.8b
DJA IX 29 20 21 36 2.26N 96.21E 20 4.5,4.8b
IDC IX 29 20 21 37.5–4.4 2.28N 96.23E 43–38 4.3,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.0km az=139.6.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.4km az=216.0.
IDC Error ellipse: s-maj=34.6km s-min=12.6km az=54.0.
IDC IX 29 20 53 48.5–2.6 3.60N 96.26E 0 3.7s,3.7
¶11911395
IDC Error ellipse: s-maj=89.6km s-min=22.0km az=50.0.
DJA IX 30 06 09 46 0.19N 98.62E 37 3.7
¶12922703
ISC X 03 14 07 34.0–.54 2.07N–.05 99.16E–.06 48–6 4.1b,3.5s 62 1-82
IDC X 03 14 07 27.2–1.1 2.00N 99.01E 0 4.0,3.9b **¶12065783**
DJA X 03 14 07 31 1.96N 99.01E 10 4.3,3.9b
ISCJB X 03 14 07 32.7–.54 2.07N–.05 99.15E–.06 55–5 4.1b,3.5s
NEIC X 03 14 07 32.3–.44 2.01N 99.05E 35 4.3b,3.5s
ISC Event type fe.
IDC Error ellipse: s-maj=41.4km s-min=17.8km az=71.0.
ISCJB Event type fe. Error ellipse: s-maj=10.8km s-min=5.1km az=143.6.
NEIC Event type fe. Error ellipse: s-maj=12.3km s-min=7.7km az=64.0. Felt [III] at Sibolga.
ISC X 04 11 49 45.7–.93 2.36N–.08 96.13E–.09 35 3.9b 29 1-143
IDC X 04 11 49 39.5–1.8 2.25N 95.97E 0 3.9,3.8b **¶12065897**
ISCJB X 04 11 49 43.6–.89 2.37N–.08 96.13E–.08 33 3.9b,3.8b
NEIC X 04 11 49 45.0–.77 2.31N 96.11E 35 4.0b,3.8b
DJA X 04 11 49 45 2.11N 96.45E 239 3.6,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=55.1km s-min=20.7km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=7.9km az=137.3.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.5km az=58.0.
ISC X 06 12 43 59.2–.17 5.44N–.03 94.55E–.03 55 5.0b,4.0s 417 1-160
MOS X 06 12 43 55.8–.96 5.61N 94.58E 36 5.3b,4.0s **¶11331063**
BJI X 06 12 43 56.2 5.45N 94.61E 54 5.1b,5.1b
ISCJB X 06 12 43 57.3–.17 5.45N–.04 94.56E–.03 53 5.0b,4.0s

IDC X 06 12 43 59.0–.36 5.53N 94.60E 53–3 4.5,4.5
TEH X 06 12 43 58.0 5.31N 94.45E 56 4.5,4.5
SZGRF X 06 12 43 59.6 4.50N 93.50E 52 4.9b,4.5
NEIC X 06 12 43 59.6–.64 5.42N 94.53E 60–5 5.0b,4.5
DJA X 06 12 44 00 5.31N 94.55E 54 5.1b,4.5
ISC Event type fe.
MOS Error ellipse: s-maj=10.4km s-min=4.8km az=126.2.
ISCJB Event type fe. Error ellipse: s-maj=5.6km s-min=2.8km az=30.1.
IDC Error ellipse: s-maj=13.5km s-min=6.7km az=43.0.
SZGRF Off west coast of northern Sumatera, Indonesia.
NEIC Event type fe. Error ellipse: s-maj=5.9km s-min=3.8km az=214.0. Felt [III] at Banda Aceh.
ISC X 10 14 17 56.1–.78 4.37N–.07 95.74E–.08 72–6 3.9b 44 1-82
ISCJB X 10 14 17 54.6–.83 4.34N–.07 95.70E–.09 78–6 3.9b **¶12066513**
DJA X 10 14 17 55 4.35N 95.78E 65 4.2
NEIC X 10 14 17 56.8–2.4 4.44N 95.74E 76–20 4.2b
IDC X 10 14 17 56.4–3.9 4.51N 95.73E 68–33 3.8L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=5.7km az=141.7.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=8.3km az=61.0.
IDC Error ellipse: s-maj=45.4km s-min=15.1km az=56.0.
ISC X 10 15 50 33.8–.51 1.62N–.05 98.94E–.09 111–5 3.6b 18 1-53
ISCJB X 10 15 50 32.7–.50 1.62N–.05 98.94E–.09 119–5 3.6b **¶12066516**
IDC X 10 15 50 32.1–3.8 1.46N 99.04E 103–19 3.4,3.3b
DJA X 10 15 50 35 1.51N 98.76E 76 3.3,3.3b
ISCJB Error ellipse: s-maj=16.7km s-min=6.2km az=155.1.
IDC Error ellipse: s-maj=95.4km s-min=16.8km az=58.0.
ISC X 11 04 38 15.5–.76 2.09N–.07 96.18E–.07 10 3.8b 25 2-53
ISCJB X 11 04 38 14.0–.74 2.12N–.07 96.14E–.06 10 3.8b **¶12066566**
IDC X 11 04 38 13.6–1.9 2.00N 96.14E 0 3.6b,3.6
DJA X 11 04 38 15 2.13N 95.91E 30 3.8,3.6
NEIC X 11 04 38 19.3–.74 2.11N 96.31E 35 3.9b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=8.9km az=0.8.
IDC Error ellipse: s-maj=60.2km s-min=22.8km az=52.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.3km az=205.0.
ISC X 11 07 58 41.1–.47 0.23N–.05 98.50E–.05 51–5 4.0b 41 0-145
IDC X 11 07 58 34.9–1.1 0.17N 98.73E 0 4.2L,4.0 **¶12066571**
ISCJB X 11 07 58 39.8–.48 0.24N–.05 98.49E–.05 58–5 4.0b,4.0
NEIC X 11 07 58 39.3–.67 0.10N 98.46E 35 4.1b,4.0
DJA X 11 07 58 40 0.28N 98.52E 23 4.2,4.0
ISC Event type se.
IDC Error ellipse: s-maj=43.1km s-min=15.9km az=66.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=7.3km az=153.6.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=9.9km az=74.0.
ISC X 11 12 32 32.1–1.3 1.15N–.06 97.3E–.10 43–12 4.5b 64 2-145
DJA X 11 12 32 27 1.13N 97.02E 15 4.2 **¶12066586**
IDC X 11 12 32 29.7–6.7 1.07N 97.14E 31–44 4.2b,4.2
ISCJB X 11 12 32 30.5–1.2 1.16N–.06 97.3E–.10 48–10 4.5b,4.2
NEIC X 11 12 32 30.5–.47 1.12N 97.19E 35 4.0b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=47.9km s-min=14.9km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=18.2km s-min=7.4km az=157.3.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.8km az=72.0.
ISC X 11 15 55 13.0–1.1 2.7N–.10 97.41E–.10 50–9 3.6b 25 1-55
IDC X 11 15 55 06.0–1.6 2.64N 97.26E 0 3.6,3.5b **¶12066592**
NEIC X 11 15 55 11.7–1.0 2.61N 97.40E 35 4.3b,3.5b
ISCJB X 11 15 55 12.0–.96 2.8N–.10 97.41E–.09 59–8 3.6b,3.5b
DJA X 11 15 55 12 2.72N 97.40E 25 3.7,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=53.6km s-min=20.4km az=49.0.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=14.5km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=20.9km s-min=9.8km az=38.3.
IDC X 12 02 32 18.3–4.5 0.97N 97.36E 0 3.4,3.3b
¶12068436
IDC Error ellipse: s-maj=171.2km s-min=26.0km az=60.0.
IDC X 13 03 26 22.4–1.7 0.71N 97.23E 0 3.7,3.5b
¶12068521
IDC Error ellipse: s-maj=51.6km s-min=19.8km az=60.0.
ISC X 15 08 02 01.4–.49 1.91N–.03 97.86E–.03 58–4 4.9b,3.9s 259 1-155
MOS X 15 08 01 56.2–.98 1.89N 97.94E 33 5.2b,3.9s **¶11349222**
BJI X 15 08 01 59.0 2.00N 97.80E 48 4.9b,4.8b
IDC X 15 08 01 59.2–.55 1.91N 97.92E 41–5 4.9L,4.6
DJA X 15 08 02 00 1.91N 97.81E 30 4.8,4.6
ISCJB X 15 08 02 00.5–.53 1.93N–.04 97.88E–.04 67–4 4.8b,4.6
NEIC X 15 08 02 01.4–1.6 1.96N 97.97E 61–13 5.0b,4.6
ISC Event type se.
MOS Error ellipse: s-maj=13.8km s-min=5.5km az=113.2.
IDC Error ellipse: s-maj=20.7km s-min=10.6km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.5km az=137.3.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=5.4km az=48.0.
DJA X 16 06 27 00 0.23N 98.53E 35 3.7
¶12922826
DJA X 18 11 02 13 1.13N 98.73E 51 3.6
¶12922838
DJA X 19 11 31 08 0.77N 99.72E 2 3.6
¶12922843
ISC X 19 17 24 46.3–1.1 5.39N–.07 94.40E–.07 70–10 4.4b 105 5-141
SZGRF X 19 17 24 27.7 5.33N 98.91E 33 4.7b **¶11389419**
ISCJB X 19 17 24 44.8–1.3 5.39N–.07 94.44E–.07 72–12 4.4b
IDC X 19 17 24 44.9–3.4 5.33N 94.34E 60–28 4.6L,4.3
NEIC X 19 17 24 45.5–.79 5.37N 94.40E 65–7 4.6b,4.3
ISC Event type se.
SZGRF Northern Sumatera, Indonesia.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=7.1km az=137.9.
IDC Error ellipse: s-maj=31.7km s-min=10.7km az=53.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.4km az=46.0.
ISC X 19 19 07 31.2–3.2 5.3N–.10 94.4E–.20 80–26 3.8b 32 5-80
ISCJB X 19 19 07 29.6–3.5 5.3N–.10 94.4E–.20 83–28 3.8b **¶12069068**
IDC X 19 19 07 29.4–5.5 5.40N 94.49E 58–47 3.8,3.7
NEIC X 19 19 07 30.4–2.6 5.23N 94.32E 75–21 4.0b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=43.9km s-min=10.4km az=150.2.
IDC Error ellipse: s-maj=65.9km s-min=16.6km az=56.0.
NEIC Event type se. Error ellipse: s-maj=33.8km s-min=8.3km az=63.0.
ISC X 20 00 39 50.6–2.0 5.49N–.10 94.2E–.20 80–19 3.9b 23 5-78
ISCJB X 20 00 39 49.5–2.3 5.47N–.10 94.2E–.20 85–21 3.9b **¶12069095**
NEIC X 20 00 39 50.2–1.5 5.50N 94.22E 76–13 4.0b
IDC X 20 00 39 51.2–7.0 5.54N 94.31E 82–55 4.3L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.1km s-min=11.0km az=152.6.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=6.3km az=62.0.
IDC Error ellipse: s-maj=109.6km s-min=19.9km az=58.0.
ISC X 20 08 54 13.8–.57 2.50N–.04 96.41E–.04 61–5 4.7b 140 1-146
DJA X 20 08 54 08 2.49N 96.10E 18 4.9 **¶11360320**
BJI X 20 08 54 08.0 2.11N 96.34E 52 4.9b,4.8b
ISCJB X 20 08 54 11.5–.62 2.51N–.04 96.39E–.04 57–5 4.7b,4.1s
NEIC X 20 08 54 11.1–.31 2.48N 96.34E 35 4.8b,4.1s
IDC X 20 08 54 12.2–2.8 2.55N 96.38E 45–26 4.6L,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=5.9km az=138.4.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.1km az=216.0.
IDC Error ellipse: s-maj=20.1km s-min=12.3km az=53.0.
ISC X 20 21 22 50.1–1.0 2.3N–.10 96.1E–.10 35 3.7b 17 5-52
IDC X 20 21 22 44.8–3.3 2.20N 95.90E 0 3.8,3.7b **¶12069164**
ISCJB X 20 21 22 47.4–.87 2.21N–.09 95.99E–.08 33 3.7b,3.7b
NEIC X 20 21 22 50.2–.86 2.31N 96.13E 35 3.9b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=128.7km s-min=27.4km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=14.1km s-min=10.3km az=25.9.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=9.4km az=50.0.
ISC X 21 20 04 28.2–.40 2.49N–.04 99.12E–.05 160–3 3.8b 44 0-57
ISCJB X 21 20 04 27.1–.40 2.50N–.04 99.10E–.05 166–4 3.8b **¶12070748**
NEIC X 21 20 04 27.8–.86 2.42N 99.10E 158–6 3.8b
DJA X 21 20 04 27 2.48N 99.04E 161 3.7
IDC X 21 20 04 27.1–1.3 2.40N 99.05E 155–4 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.9km az=156.6.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=7.1km az=55.0.
IDC Error ellipse: s-maj=72.8km s-min=14.2km az=56.0.
IDC X 22 01 35 34.5–2.3 4.20N 95.30E 0 4.2,4.0b
¶12070770
IDC Error ellipse: s-maj=73.8km s-min=23.1km az=53.0.
ISC X 22 19 57 51.0–.26 0.71N–.03 99.63E–.03 155–2 4.6b 166 0-147
BJI X 22 19 57 39.2 0.27S 100.28E 147 4.4b,4.4b **¶12070827**
ISCJB X 22 19 57 49.9–.26 0.72N–.03 99.61E–.03 162–2 4.6b,4.4b
NEIC X 22 19 57 50.4–.30 0.72N 99.73E 152 4.7b,4.4b
DJA X 22 19 57 50 0.70N 99.60E 150 4.9,4.4b
IDC X 22 19 57 50.0–.62 0.77N 99.81E 151–5 4.1b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.8km az=44.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=5.7km az=57.0.
IDC Error ellipse: s-maj=13.6km s-min=7.1km az=51.0.
ISC X 22 20 24 41.9–2.8 5.2N–.20 94.4E–.20 69–22 4.0b 30 5-80
ISCJB X 22 20 24 40.0–3.1 5.2N–.10 94.4E–.20 69–25 4.0b **¶12070833**
NEIC X 22 20 24 41.7–2.5 5.21N 94.40E 69–20 4.1b
IDC X 22 20 24 41.0–4.5 5.17N 94.32E 65–38 4.2L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=39.1km s-min=12.8km az=145.4.
NEIC Event type se. Error ellipse: s-maj=32.1km s-min=11.2km az=58.0.
IDC Error ellipse: s-maj=42.6km s-min=15.1km az=57.0.
ISC X 24 13 33 53.1–2.4 5.1N–.10 94.6E–.10 83–20 3.9b 31 5-80
NEIC X 24 13 33 46.9–.62 4.82N 94.17E 35 4.5b **¶12070990**
IDC X 24 13 33 50.4–5.7 4.96N 94.45E 61–47 4.0L,3.8
ISCJB X 24 13 33 52.2–2.5 5.1N–.10 94.7E–.10 90–21 3.9b,3.8
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 25 11 52 00.6–3.0 5.4N–.10 95.0E–.20 81–25 3.9b 26 6-141
IDC X 25 11 51 49.6–1.2 5.20N 94.66E 0 4.1,4.0b **¶12071068**
NEIC X 25 11 51 54.1–.75 4.96N 94.47E 35 4.1b,4.0b
ISCJB X 25 11 51 59.5–3.3 5.4N–.10 95.1E–.20 87–28 3.9b,4.0b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 25 13 16 47.7–.81 5.19N–.06 94.77E–.07 61–7 4.3b 60 1-141
ISCJB X 25 13 16 46.4–.83 5.18N–.06 94.78E–.07 67–7 4.3b **¶12071074**
DJA X 25 13 16 47 5.09N 94.82E 24 4.5
IDC X 25 13 16 47.1–.89 5.25N 94.76E 51–6 4.1,4.0
NEIC X 25 13 16 48.1–1.0 5.20N 94.76E 65–9 4.4b,4.0
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=13.7km s-min=6.9km az=148.1.
IDC Error ellipse: s-maj=32.7km s-min=13.0km az=54.0.
NEIC Event type fe. Error ellipse: s-maj=11.0km s-min=5.8km az=47.0. Felt [II] at Banda Aceh.
ISC X 25 13 18 00.8–5.4 4.9N–.30 95.5E–.40 171–45 4.0b 31 5-81
NEIC X 25 13 18 00.2–4.5 4.83N 95.48E 167–38 4.0b **¶12071076**
IDC X 25 13 18 06.8–14 5.14N 95.90E 218–131 3.8,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=56.0km s-min=8.6km az=57.0.
IDC Error ellipse: s-maj=144.1km s-min=12.7km az=57.0.
ISC X 26 09 50 56.2–3.7 1.21N–.08 97.1E–.10 31–25 4.3b,4.1s 44 2-144
IDC X 26 09 50 51.2–.98 1.13N 97.06E 0 4.3b,4.3 **¶12071147**
NEIC X 26 09 50 56.7–.44 1.20N 97.16E 35 4.5b,4.3
DJA X 26 09 50 56 1.19N 96.98E 58 4.1,4.3
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=16.3km az=55.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.6km az=55.0.
ISC X 28 12 44 47.9–2.5 4.6N–.10 96.4E–.20 58–22 3.6b 18 3-99
IDC X 28 12 44 38.4–2.6 4.22N 95.76E 0 3.8,3.6L **¶12071330**
NEIC X 28 12 44 45.5–1.5 4.50N 96.24E 35 3.8,3.6L
ISCJB X 28 12 44 47.0–2.4 4.6N–.10 96.4E–.10 65–22 3.6b,3.6L
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 28 22 00 10.0–2.4 1.31N–.04 97.14E–.06 25–18 4.0b 56 2-74
IDC X 28 22 00 06.0–1.7 1.32N 97.28E 0 3.9,3.8b **¶11472821**
DJA X 28 22 00 09 1.30N 97.06E 71 4.0,3.8b
NEIC X 28 22 00 11.3–2.0 1.32N 97.28E 37–17 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=21.4km az=60.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=6.5km az=54.0.
ISC X 30 06 40 04.1–1.1 2.1N–.10 96.3E–.10 35 4.1b 20 3-55
IDC X 30 06 39 58.8–1.8 2.11N 96.25E 0 3.9,3.8L **¶12071598**
ISCJB X 30 06 40 01.7–1.1 2.1N–.10 96.3E–.10 33 4.1b,3.8L
NEIC X 30 06 40 04.0–.79 2.12N 96.33E 35 4.1b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=53.9km s-min=20.2km az=53.0.
ISCJB Event type se. Error ellipse: s-maj=19.2km s-min=13.4km az=32.8.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.0km az=216.0.
ISC X 30 22 48 33.9–1.7 4.72N–.09 96.36E–.09 52–16 4.0b 42 3-93
IDC X 30 22 48 24.5–1.1 4.91N 96.10E 0 3.8,3.7b **¶12071682**
NEIC X 30 22 48 31.9–.36 4.65N 96.21E 35 4.4b,3.7b
ISCJB X 30 22 48 32.8–1.9 4.73N–.08 96.39E–.09 60–17 4.0b,3.7b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
DJA XI 01 04 26 50 0.49N 98.33E 16 3.9
¶12922937
ISC XI 01 13 04 39.3–.54 0.09N–.04 98.44E–.05 49–5 4.4b,3.4s 70 0-145
IDC XI 01 13 04 33.3–1.0 0.16N 98.67E 0 4.4,4.3 **¶12071852**
ISCJB XI 01 13 04 38.2–.59 0.09N–.04 98.47E–.05 59–5 4.4b,3.4s
DJA XI 01 13 04 38 0.10N 98.55E 12 4.7,3.4s
NEIC XI 01 13 04 40.3–2.1 0.17N 98.60E 55–16 4.6b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=15.5km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.7km az=150.7.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=9.7km az=51.0.
IDC XI 02 16 08 38.4–7.8 4.21N 95.76E 75–55 3.7L,3.6
¶12071999
IDC Error ellipse: s-maj=90.9km s-min=22.7km az=61.0.
ISC XI 03 19 22 01.8–.12 1.15N–.02 97.28E–.02 32 5.7s,5.4b 778 2-176
IDC XI 03 19 21 57.1–.34 1.23N 97.32E 0 5.5s,5.5 **¶11391128**
NEIC XI 03 19 21 58.5–.13 1.15N 97.25E 10 5.7s,5.7W
ISCJB XI 03 19 21 59.7–.12 1.16N–.02 97.29E–.02 30 5.7s,5.4b
BJI XI 03 19 21 59.1 1.01N 97.33E 35 6.1s,6.0b
MOS XI 03 19 22 00.6–.98 1.26N 97.35E 33 5.6b,5.5s
TEH XI 03 19 22 02.0 1.21N 97.31E 35 5.6b,5.5s
GCMT XI 03 19 22 03.3–.10 0.91N 96.97E 24–0 5.7W,5.5s
DJA XI 03 19 22 03.4–.90 1N–3.0 97E–3.0 39–7 6.0b,5.7
SZGRF XI 03 19 22 11.8 1.61N 95.66E 26 5.4s,5.3b
ISC Event type fe.
IDC Error ellipse: s-maj=13.3km s-min=9.7km az=41.0.
NEIC Event type fe. Error ellipse: s-maj=4.3km s-min=3.5km az=216.0. Felt [IV] at Gunungsitoli. Moment Tensor Solution. s77 Moment tensor: Scale 10^{17}Nm; M_{rr}3.40 $M_{\theta\theta}$-1.69 $M_{\phi\phi}$-1.71 $M_{r\theta}$1.88 $M_{\theta\phi}$2.08 $M_{\phi r}$-2.06 Best double couple: NP1:ϕ_s313.00000°,δ26.00000°,λ87.00000°. NP2:ϕ_s137.00000°,δ64.00000°,λ92.00000°. Principal axes: T 4.3600,Plg71.0000° ,Azm50.0000°; N 0.3800,Plg1.0000°,Azm316.0000°; P -4.7300,Plg18.0000°,Azm225.0000° M_o4.60000×10^{17}
ISCJB Event type fe. Error ellipse: s-maj=3.5km s-min=2.0km az=32.8.
MOS Error ellipse: s-maj=7.6km s-min=4.0km az=118.2.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta= 78, comp=127, per= 50. Moment Tensor Solution. s86,c167; s35,c38; Moment tensor: Scale 10^{17}Nm; M_{rr}2.63±.06 $M_{\theta\theta}$-1.15±.05; $M_{\phi\phi}$-1.48±.05; $M_{r\theta}$3.41±.15; $M_{\theta\phi}$1.85±.04; $M_{\phi r}$-2.79±.14; Best double couple: NP1:ϕ_s328.00000°,δ17.00000°,λ107.00000°. NP2:ϕ_s130.00000°,δ73.00000°,λ85.00000°.

Principal axes: T 5.0400,Plg61.0000°,Azm33.0000°; N 0.4900,Plg5.0000°,Azm132.0000° ; P -5.5200,Plg28.0000°,Azm224.0000° $M_0$5.30000×10^{17}
SZGRF Off west coast of northern Sumatera, Indonesia.

ISC	**XI**	**03 19 30 23.0–1.1**	**1.0N–.10**	**97.3E–.20**	**35**	**3.7b**	**17**	**2-54**	
IDC	XI	03 19 30 17.2–1.7	0.93N	97.13E	0	3.7b,3.7			¶12072159
NEIC	XI	03 19 30 18.7–.82	0.94N	97.13E	10	4.1b,3.7			
ISCJB	XI	03 19 30 20.4–1.1	1.0N–.10	97.2E–.20	33	3.7b,3.7			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**XI**	**03 19 57 54.8–1.3**	**1.35N–.07**	**97.38E–.09**	**57–11**	**4.2b**	**53**	**2-143**	
IDC	XI	03 19 57 45.5–1.1	1.04N	97.11E	0	4.1,4.0b			¶12072164
NEIC	XI	03 19 57 47.1–.54	1.03N	97.17E	10	4.6b,4.0b			
ISCJB	XI	03 19 57 53.4–1.2	1.35N–.06	97.36E–.09	64–11	4.2b,4.0b			
DJA	XI	03 19 57 54	1.53N	97.44E	27	4.2,4.0b			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=35.5km s-min=17.4km az=60.0.								
NEIC	Event type fe. Error ellipse: s-maj=13.8km s-min=8.1km az=49.0. Felt [III] at Gunungsitoli.								
ISCJB	Event type fe. Error ellipse: s-maj=16.4km s-min=6.9km az=148.4.								
ISC	**XI**	**03 20 20 25.2–2.7**	**1.2N–.10**	**97.5E–.20**	**55–21**	**4.3b**	**48**	**2-85**	
IDC	XI	03 20 20 16.8–1.1	1.00N	97.20E	0	4.2,4.1			¶12072167
NEIC	XI	03 20 20 18.4–.50	1.03N	97.21E	10	3.8b,4.1			
ISCJB	XI	03 20 20 23.3–2.3	1.2N–.10	97.4E–.20	56–17	4.3b,4.1			
DJA	XI	03 20 20 28	1.62N	97.61E	27	4.1,4.1			
ISC	Event type se.								
IDC	Error ellipse: s-maj=34.4km s-min=17.1km az=56.0.								
NEIC	Event type se. Error ellipse: s-maj=10.9km s-min=7.7km az=64.0.								
ISCJB	Event type se. Error ellipse: s-maj=30.5km s-min=9.2km az=143.7.								
ISC	**XI**	**03 20 35 47.3–6.9**	**1.1N–.10**	**97.1E–.10**	**12–42**	**4.2b**	**62**	**2-83**	
IDC	XI	03 20 35 44.7–1.1	1.00N	97.05E	0	4.2,4.1b			¶12072168
ISCJB	XI	03 20 35 45.2–6.5	1.0N–.10	97.1E–.10	14–40	4.2b,4.1b			
NEIC	XI	03 20 35 46.7–.49	1.05N	97.17E	10	4.3b,4.1b			
DJA	XI	03 20 35 50	1.30N	97.05E	53	4.3,4.1b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=36.5km s-min=16.6km az=56.0.								
ISCJB	Event type se. Error ellipse: s-maj=27.7km s-min=8.7km az=145.3.								
NEIC	Event type se. Error ellipse: s-maj=11.0km s-min=7.5km az=50.0.								
ISC	**XI**	**03 23 49 06.6–3.2**	**1.10N–.07**	**97.24E–.05**	**16–20**	**4.2b,3.4s**	**56**	**2-85**	
IDC	XI	03 23 49 03.4–1.2	1.06N	97.19E	0	4.0,3.9			¶11472927
NEIC	XI	03 23 49 05.2–.49	1.06N	97.25E	10	4.3b,3.9			
DJA	XI	03 23 49 18	1.97N	97.46E	30	4.3,3.9			
ISC	Event type se.								
IDC	Error ellipse: s-maj=33.0km s-min=20.7km az=51.0.								
NEIC	Event type se. Error ellipse: s-maj=9.9km s-min=7.3km az=215.0.								
ISC	**XI**	**04 12 39 11.5–2.7**	**2.5N–.10**	**96.1E–.10**	**59–23**	**3.8b**	**24**	**3-52**	
IDC	XI	04 12 39 03.7–1.6	2.38N	95.93E	0	3.7,3.6b			¶12072243
NEIC	XI	04 12 39 08.5–.71	2.38N	95.99E	35	4.1b,3.6b			
ISCJB	XI	04 12 39 11.3–2.6	2.6N–.10	96.2E–.10	73–22	3.7b,3.6b			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**XI**	**05 14 24 58.6–1.4**	**1.1N–.10**	**97.2E–.10**	**35**	**3.7b**	**17**	**2-54**	
IDC	XI	05 14 24 53.0–2.0	1.02N	97.05E	0	4.2s,4.2			¶12072414
ISCJB	XI	05 14 24 56.2–1.4	1.1N–.10	97.1E–.10	33	3.7b,4.2			
NEIC	XI	05 14 24 58.5–1.1	1.12N	97.15E	35	3.7b,4.2			
ISC	Event type se.								
IDC	Error ellipse: s-maj=46.9km s-min=27.7km az=51.0.								
ISCJB	Event type se. Error ellipse: s-maj=20.9km s-min=18.5km az=9.7.								
NEIC	Event type se. Error ellipse: s-maj=17.3km s-min=15.2km az=193.0.								
DJA	**XI**	**06 11 16 57**	**0.81N**	**98.82E**	**10**	**4.1**			
									¶12922974
ISC	**XI**	**07 16 03 24.2–2.6**	**2.4N–.30**	**97.0E–.10**	**26**	**3.9b**	**13**	**2-52**	
NEIC	XI	07 16 03 20.8–3.5	2.03N	96.92E	24	4.4b			¶12072706
IDC	XI	07 16 03 21.9–17	2.09N	96.94E	24–7	3.4b,3.3			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=69.7km s-min=15.0km az=184.0.								
IDC	Error ellipse: s-maj=351.4km s-min=36.9km az=13.0.								
ISC	**XI**	**07 22 36 23.8–3.5**	**2.5N–.10**	**96.0E–.30**	**71–31**	**3.8b**	**12**	**1-55**	
IDC	XI	07 22 36 12.5–5.0	2.13N	95.55E	0	3.8b,3.8			¶12072759
ISCJB	XI	07 22 36 22.7–3.7	2.5N–.20	96.1E–.30	82–30	3.8b,3.8			
DJA	XI	07 22 36 26	3.60N	97.19E	142	3.4,3.8			
IDC	Error ellipse: s-maj=100.7km s-min=38.7km az=17.0.								
ISCJB	Error ellipse: s-maj=50.3km s-min=14.1km az=152.9.								
ISC	**XI**	**09 06 09 36.0–1.2**	**2.0N–.10**	**96.4E–.10**	**35**	**3.9b,3.3s**	**16**	**3-53**	
IDC	XI	09 06 09 30.2–1.9	1.96N	96.23E	0	3.9,3.8			¶12072926
ISCJB	XI	09 06 09 33.8–1.2	2.0N–.10	96.4E–.10	33	3.9b,3.3s			
NEIC	XI	09 06 09 36.0–.91	2.04N	96.41E	35	3.9b,3.3s			
ISC	Event type se.								
IDC	Error ellipse: s-maj=53.9km s-min=20.8km az=56.0.								
ISCJB	Event type se. Error ellipse: s-maj=19.5km s-min=15.1km az=44.2.								
NEIC	Event type se. Error ellipse: s-maj=15.4km s-min=11.4km az=47.0.								
ISC	**XI**	**09 17 59 10.8–1.2**	**1.09N–.04**	**97.17E–.04**	**29–8**	**4.6b,4.0s**	**168**	**2-145**	
BJI	XI	09 17 59 06.4	0.67N	97.35E	35	5.1b,4.8b			¶11406541
DJA	XI	09 17 59 07	1.13N	97.03E	9	4.8,4.8b			
MOS	XI	09 17 59 09.5–1.0	1.18N	97.19E	33	4.8b,4.8b			
ISCJB	XI	09 17 59 09.4–.73	1.06N–.04	97.15E–.05	34–6	4.6b,4.0s			
IDC	XI	09 17 59 11.2–5.1	1.10N	97.18E	33–36	4.2,4.1			
NEIC	XI	09 17 59 11.8–.38	1.15N	97.25E	35	4.8b,4.1			
ISC	Event type se.								
MOS	Error ellipse: s-maj=14.1km s-min=7.1km az=101.9.								
ISCJB	Event type se. Error ellipse: s-maj=9.0km s-min=5.2km az=146.2.								
IDC	Error ellipse: s-maj=32.8km s-min=13.0km az=55.0.								
NEIC	Event type se. Error ellipse: s-maj=9.1km s-min=5.7km az=221.0.								
ISC	**XI**	**11 13 02 30.0–2.7**	**0.24N–.05**	**97.08E–.07**	**5–17**	**3.9b**	**35**	**3-145**	
ISCJB	XI	11 13 02 28.4–2.2	0.23N–.05	97.04E–.07	7–14	3.9b			¶12073174
IDC	XI	11 13 02 29.2–1.6	0.18N	97.07E	0	4.0,3.9b			
NEIC	XI	11 13 02 34.6–.54	0.26N	97.18E	35	4.0,3.9b			
DJA	XI	11 13 02 34	0.36N	97.18E	31	4.1,3.9b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=12.8km s-min=6.8km az=151.6.								
IDC	Error ellipse: s-maj=49.5km s-min=18.2km az=65.0.								
NEIC	Event type se. Error ellipse: s-maj=12.0km s-min=7.3km az=73.0.								
ISC	**XI**	**13 05 47 30.5–.48**	**1.66N–.05**	**99.38E–.09**	**169–5**	**3.7b**	**29**	**1-53**	
ISCJB	XI	13 05 47 29.4–.48	1.65N–.05	99.36E–.09	175–5	3.7b			¶12073384
NEIC	XI	13 05 47 30.6–.91	1.66N	99.51E	166–7	4.0b			
IDC	XI	13 05 47 30.6–1.1	1.77N	99.69E	160–16	3.5,3.4b			
DJA	XI	13 05 47 32	1.54N	99.20E	153	2.9,3.4b			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=16.0km s-min=6.7km az=157.8.								
NEIC	Event type se. Error ellipse: s-maj=21.1km s-min=9.6km az=61.0.								
IDC	Error ellipse: s-maj=108.1km s-min=13.8km az=58.0.								
ISC	**XI**	**14 22 56 36.5–.63**	**2.26N–.04**	**96.31E–.04**	**37–6**	**4.8b,4.5s**	**201**	**3-143**	
IDC	XI	14 22 56 30.3–.73	2.21N	96.27E	0	4.6b,4.6			¶13400207
ISCJB	XI	14 22 56 33.0–1.1	2.23N–.04	96.29E–.03	27–8	4.8b,4.5s			
MOS	XI	14 22 56 33.4–.77	2.22N	96.31E	33	5.0b,4.5s			
BJI	XI	14 22 56 33.6	2.05N	96.34E	43	5.1b,5.0b			
DJA	XI	14 22 56 34	2.29N	96.20E	35	5.1b,5.0b			
NEIC	XI	14 22 56 35.9–.34	2.26N	96.32E	35	4.9b,5.0b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=25.1km s-min=13.3km az=42.0.								
ISCJB	Event type se. Error ellipse: s-maj=7.2km s-min=5.2km az=23.3.								
MOS	Error ellipse: s-maj=11.5km s-min=6.4km az=106.3.								
NEIC	Event type se. Error ellipse: s-maj=8.6km s-min=5.2km az=26.0.								
ISC	**XI**	**15 18 14 55.7–.90**	**0.84N–.09**	**97.4E–.10**	**35**	**3.6b**	**21**	**2-54**	
IDC	XI	15 18 14 50.4–1.6	0.76N	97.32E	0	4.2s,4.2			¶12073649
ISCJB	XI	15 18 14 53.2–.89	0.83N–.09	97.3E–.10	33	3.6b,4.2			
NEIC	XI	15 18 14 54.8–.66	0.83N	97.34E	30	4.0b,4.2			
ISC	Event type se.								
IDC	Error ellipse: s-maj=51.9km s-min=20.1km az=60.0.								
ISCJB	Event type se. Error ellipse: s-maj=17.9km s-min=12.6km az=163.1.								
NEIC	Event type se. Error ellipse: s-maj=13.9km s-min=9.6km az=72.0.								

ISC	**XI**	**16 10 51 02.3–.95**	**1.75N–.08**	**99.17E–.09**	**41–11**	**3.7b**	**30**	**1-142**	
IDC	XI	16 10 50 56.2–3.2	1.89N	99.15E	0	3.9L,3.7			¶12073736
NEIC	XI	16 10 51 00.8–1.1	1.79N	99.03E	35	4.2b,3.7			
ISCJB	XI	16 10 51 01.6–.88	1.79N–.08	99.18E–.08	51–10	3.7b,3.7			
DJA	XI	16 10 51 02	1.88N	99.04E	10	3.7,3.7			
ISC	Event type se.								
IDC	Error ellipse: s-maj=136.0km s-min=16.9km az=60.0.								
NEIC	Event type se. Error ellipse: s-maj=29.1km s-min=13.6km az=75.0.								
ISCJB	Event type se. Error ellipse: s-maj=16.5km s-min=9.6km az=137.5.								
ISC	**XI**	**17 00 34 23.8–.82**	**2.60N–.05**	**96.95E–.06**	**52–7**	**4.1b**	**57**	**1-146**	
DJA	XI	17 00 34 20	2.56N	96.75E	3	4.5			¶12073805
ISCJB	XI	17 00 34 22.5–.79	2.60N–.05	96.98E–.06	59–7	4.1b			
IDC	XI	17 00 34 24.4–4.9	2.59N	97.00E	56–41	4.1L,3.9			
NEIC	XI	17 00 34 25.3–1.5	2.59N	97.04E	68–12	4.3b,3.9			
ISC	Event type se.								
ISCJB	Event type se. Error ellipse: s-maj=10.8km s-min=6.3km az=149.1.								
IDC	Error ellipse: s-maj=49.5km s-min=13.8km az=57.0.								
NEIC	Event type se. Error ellipse: s-maj=16.2km s-min=5.0km az=58.0.								
ISC	**XI**	**20 00 43 11.1–.37**	**2.72N–.04**	**99.09E–.05**	**169–3**	**3.9b**	**53**	**0-141**	
IDC	XI	20 00 43 09.4–2.7	2.63N	99.07E	156–23	3.7,3.6b			¶12074215
ISCJB	XI	20 00 43 10.1–.37	2.72N–.04	99.09E–.05	176–3	3.9b,3.6b			
NEIC	XI	20 00 43 11.1–1.7	2.63N	99.11E	173–13	4.0b,3.6b			
DJA	XI	20 00 43 13	2.72N	99.06E	135	4.0,3.6b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=38.0km s-min=11.0km az=54.0.								
ISCJB	Event type se. Error ellipse: s-maj=8.7km s-min=6.6km az=158.8.								
NEIC	Event type se. Error ellipse: s-maj=25.3km s-min=6.4km az=54.0.								
DJA	**XI**	**21 18 52 13**	**2.18N**	**97.57E**	**10**	**3.5**			
									¶12923146
IDC	**XI**	**21 22 04 58.0–4.0**	**3.04N**	**96.76E**	**0**	**3.5,3.4b**			
									¶12074444
IDC	Error ellipse: s-maj=152.3km s-min=28.8km az=58.0.								
DJA	**XI**	**22 22 15 31**	**0.52N**	**98.31E**	**15**	**3.6**			
									¶12923157
ISC	**XI**	**23 05 18 50.1–1.1**	**5.6N–.10**	**94.87E–.09**	**65–8**	**3.8b**	**33**	**0-78**	
IDC	XI	23 05 18 41.5–1.5	5.51N	94.73E	0	4.0L,4.0			¶12074563
NEIC	XI	23 05 18 47.3–.79	5.65N	95.02E	35	4.0b,4.0			
ISCJB	XI	23 05 18 49.5–.87	5.7N–.10	94.96E–.08	74–6	3.8b,4.0			
DJA	XI	23 05 18 50	4.87N	95.12E	10	4.0,4.0			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=62.8km s-min=19.6km az=58.0.								
NEIC	Event type fe. Error ellipse: s-maj=20.6km s-min=9.2km az=46.0. Felt [II] at Banda Aceh.								
ISCJB	Event type fe. Error ellipse: s-maj=20.4km s-min=9.7km az=27.8.								
IDC	**XI**	**23 12 16 09.5–1.9**	**2.04N**	**96.98E**	**0**	**4.4,4.4s**			
									¶12074591
IDC	Error ellipse: s-maj=59.2km s-min=25.4km az=53.0.								
ISC	**XI**	**23 23 13 04.3–.70**	**2.99N–.08**	**97.01E–.06**	**35**	**4.0b**	**38**	**2-55**	
IDC	XI	23 23 12 55.6–2.2	2.40N	96.24E	0	4.3L,3.9b			¶12074620
ISCJB	XI	23 23 13 02.1–.70	2.95N–.08	96.95E–.05	33	4.0b,3.9b			
NEIC	XI	23 23 13 03.8–.77	3.04N	97.03E	35	4.1b,3.9b			
DJA	XI	23 23 13 03	3.23N	97.03E	13	4.4,3.9b			
ISC	Event type se.								
IDC	Error ellipse: s-maj=81.5km s-min=18.0km az=56.0.								
ISCJB	Event type se. Error ellipse: s-maj=12.4km s-min=5.9km az=28.6.								
NEIC	Event type se. Error ellipse: s-maj=18.7km s-min=10.1km az=222.0.								
IDC	**XI**	**23 23 23 56.2–13**	**5.33N**	**94.95E**	**128–115**	**4.3L,3.6**			
									¶12074622
IDC	Error ellipse: s-maj=112.9km s-min=16.0km az=57.0.								
IDC	**XI**	**25 07 36 48.9–1.5**	**0.71N**	**99.53E**	**0**	**4.0b,4.0**			
									¶12074769
IDC	Error ellipse: s-maj=83.4km s-min=18.8km az=51.0.								
ISC	**XI**	**26 06 36 03.7–.55**	**1.98N–.07**	**98.97E–.09**	**134–6**	**3.6b**	**17**	**1-53**	
IDC	XI	26 06 35 46.8–3.4	1.57N	98.51E	0	4.6L,4.1			¶12074866
ISCJB	XI	26 06 36 02.6–.55	1.97N–.07	98.96E–.09	141–6	3.6b,4.1			
DJA	XI	26 06 36 04	1.97N	98.95E	119	3.6,4.1			
IDC	Error ellipse: s-maj=150.5km s-min=22.2km az=58.0.								
ISCJB	Error ellipse: s-maj=16.8km s-min=7.2km az=145.1.								
DJA	**XI**	**26 23 11 23**	**1.85N**	**99.18E**	**10**	**3.5**			
									¶12923194
ISC	**XI**	**27 01 59 45.1–.76**	**1.7N–.10**	**99.0E–.20**	**43–15**	**3.3b**	**14**	**0-47**	
IDC	XI	27 01 59 37.3–4.2	1.50N	98.85E	0	4.4L,3.9			¶12074981
DJA	XI	27 01 59 42	1.72N	99.12E	10	3.5,3.9			
ISCJB	XI	27 01 59 43.5–.77	1.79N–.10	99.0E–.10	45–12	3.3b,3.9			
ISC	**XI**	**27 17 31 19.5–1.2**	**1.2N–.10**	**97.1E–.10**	**35**	**4.1b**	**20**	**2-57**	
IDC	XI	27 17 31 15.1–6.8	1.21N	97.19E	0	4.0b,4.0			¶12075050
ISCJB	XI	27 17 31 16.6–1.2	1.09N–.10	97.0E–.10	33	4.1b,4.0			
DJA	XI	27 17 31 16	1.14N	96.87E	99	3.9,4.0			
NEIC	XI	27 17 31 21.1–2.4	1.34N	97.20E	35	4.2b,4.0			
ISC	Event type se.								
IDC	Error ellipse: s-maj=129.8km s-min=65.7km az=7.0.								
ISCJB	Event type se. Error ellipse: s-maj=16.5km s-min=11.6km az=137.6.								
NEIC	Event type se. Error ellipse: s-maj=44.5km s-min=18.7km az=172.0.								
ISC	**XI**	**27 17 58 37.4–2.8**	**5.3N–.10**	**94.7E–.20**	**55–23**	**3.8b**	**19**	**1-80**	
NEIC	XI	27 17 58 33.9–.88	4.83N	94.26E	35	4.0b			¶12075054
ISCJB	XI	27 17 58 36.1–2.5	5.2N–.20	94.7E–.20	60–19	3.8b			
DJA	XI	27 17 58 37	5.26N	94.72E	30	3.8			
IDC	XI	27 17 58 50.4–16	5.46N	95.12E	171–145	4.1L,3.5			
ISC	Event type se.								
NEIC	Event type se. Error ellipse: s-maj=30.3km s-min=12.9km az=61.0.								
ISCJB	Event type se. Error ellipse: s-maj=43.8km s-min=14.4km az=150.0.								
IDC	Error ellipse: s-maj=140.8km s-min=16.5km az=56.0.								
DJA	**XI**	**28 21 12 25**	**0.79N**	**99.79E**	**10**	**3.5**			
									¶12923219
ISC	**XI**	**28 23 36 28.6–1.8**	**1.3N–.10**	**97.6E–.10**	**81–13**	**4.0b**	**40**	**2-144**	
DJA	XI	28 23 36 04	1.01N	95.65E	10	4.6			¶12075199
IDC	XI	28 23 36 18.4–1.1	1.25N	97.44E	0	4.2L,4.1			
NEIC	XI	28 23 36 23.1–.51	1.15N	97.28E	35	4.1b,4.1			
ISCJB	XI	28 23 36 28.4–1.6	1.36N–.10	97.6E–.10	96–11	4.0b,4.1			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**XI**	**29 00 41 38.2–.78**	**1.90N–.05**	**98.99E–.08**	**54–9**	**3.7b,3.6s**	**35**	**1-82**	
IDC	XI	29 00 41 30.1–1.3	1.76N	98.98E	0	4.1L,3.8			¶12075208
NEIC	XI	29 00 41 35.1–.58	1.76N	99.06E	35	3.9b,3.8			
DJA	XI	29 00 41 35	1.88N	98.97E	23	3.9,3.8			
ISCJB	XI	29 00 41 37.1–.78	1.91N–.05	99.01E–.08	63–9	3.7b,3.8			
ISC	Event type se.								
NEIC	Event type se.								
ISCJB	Event type se.								
ISC	**XI**	**30 21 19 15.1–.50**	**1.82N–.03**	**99.03E–.04**	**44–5**	**4.4b,3.5s**	**131**	**1-147**	
IDC	XI	30 21 19 08.8–.78	1.84N	99.19E	0	4.2,4.1			¶12075363
NEIC	XI	30 21 19 11.9–2.3	1.75N	99.08E	21–16	4.4b,4.1			
DJA	XI	30 21 19 11	1.83N	99.02E	10	4.6,4.1			
MOS	XI	30 21 19 11.5–.94	1.74N	99.09E	33	4.8b,4.1			
ISCJB	XI	30 21 19 13.7–.51	1.82N–.03	99.04E–.04	51–5	4.4b,3.5s			
ISC	Event type fe.								
NEIC	Event type fe. Felt [III] at Sibolga.								
ISCJB	Event type fe.								
ISC	**XII**	**01 03 41 21.5–.90**	**0.62N–.07**	**98.51E–.08**	**35**	**3.8b**	**16**	**1-54**	
IDC	XII	01 03 41 18.1–3.8	1.54N	99.71E	0	3.8,3.7b			¶12075382
DJA	XII	01 03 41 19	0.59N	98.47E	8	3.8,3.7b			
ISCJB	XII	01 03 41 21.6–.99	0.67N–.07	98.58E–.08	33	3.7b,3.7b			
ISC	**XII**	**03 12 21 43.0–.72**	**2.96N–.06**	**97.00E–.05**	**10**	**3.9b**	**32**	**0-58**	
IDC	XII	03 12 21 40.7–1.9	2.94N	96.81E	0	4.1L,3.8			¶12075608
ISCJB	XII	03 12 21 41.7–.76	2.97N–.06	97.03E–.05	10	3.9b,3.8			
DJA	XII	03 12 21 46	3.30N	97.14E	6	4.2,3.8			
NEIC	XII	03 12 21 46.1–1.0	3.04N	96.99E	35	4.0b,3.8			
ISC	Event type fe.								
IDC	Error ellipse: s-maj=80.9km s-min=20.3km az=57.0.								
ISCJB	Event type fe. Error ellipse: s-maj=9.4km s-min=6.4km az=12.1.								
NEIC	Event type fe. Error ellipse: s-maj=21.5km s-min=13.9km az=49.0. Felt [III] at Tapaktuan.								

ISC XII 04 21 01 29.3–.48 4.04N–.04 96.52E–.05 98–4 4.2b 72 1-142
IDC XII 04 21 01 17.4–.70 4.17N 96.49E 0 4.2,4.1b **¶12075789**
ISCJB XII 04 21 01 28.2–.49 4.03N–.04 96.51E–.05 105–4 4.2b,4.1b
DJA XII 04 21 01 29 4.03N 96.53E 84 4.6b,4.1b
NEIC XII 04 21 01 30.4–1.5 4.18N 96.61E 106–13 4.3b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=15.2km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=4.7km az=143.5.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=7.0km az=54.0.
ISC XII 07 08 45 36.4–1.2 0.41N–.07 98.4E–.10 68–9 3.9b 33 1-144
IDC XII 07 08 45 28.7–1.7 0.39N 98.58E 0 3.9,3.8b **¶12076141**
NEIC XII 07 08 45 32.1–.82 0.18N 98.21E 35 4.1b,3.8b
ISCJB XII 07 08 45 34.2–1.3 0.40N–.07 98.3E–.10 68–10 3.9b,3.8b
DJA XII 07 08 45 34 0.46N 98.31E 21 4.3,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=69.9km s-min=18.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=9.5km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=8.6km az=152.6.
DJA XII 07 17 15 10 1.00N 98.74E 10 3.3
¶12923326
ISC XII 09 06 05 01.9–2.3 1.1N–.10 97.2E–.20 38–16 4.0b 31 2-56
IDC XII 09 06 04 56.0–1.8 1.04N 97.20E 0 4.4L,4.0 **¶12076480**
ISCJB XII 09 06 05 00.8–2.2 1.2N–.10 97.2E–.20 47–15 4.0b,4.0
DJA XII 09 06 05 00 1.16N 97.00E 53 4.1,4.0
NEIC XII 09 06 05 01.3–.76 1.06N 97.23E 35 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=20.1km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=32.0km s-min=9.7km az=153.4.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.3km az=66.0.
ISC XII 10 17 01 44.0–3.3 4.0N–.10 96.3E–.20 99–27 3.8b 25 5-80
IDC XII 10 17 01 31.1–1.3 3.75N 95.86E 0 3.9b,3.9 **¶12076772**
NEIC XII 10 17 01 35.8–.50 3.63N 95.74E 35 4.2b,3.9
ISCJB XII 10 17 01 42.6–3.5 4.0N–.10 96.3E–.20 103–29 3.8b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 10 21 45 22.3–.93 1.5N–.10 98.9E–.20 110–8 3.5b 13 1-54
IDC XII 10 21 45 15.7–16 1.09N 98.42E 69–137 3.6L,3.4 **¶12076798**
ISCJB XII 10 21 45 21.3–.93 1.5N–.10 98.8E–.20 118–8 3.5b,3.4
DJA XII 10 21 45 23 1.54N 98.81E 68 3.5,3.4
IDC Error ellipse: s-maj=156.8km s-min=19.6km az=59.0.
ISCJB Error ellipse: s-maj=37.5km s-min=10.4km az=148.1.
ISC XII 11 21 59 42.1–.80 1.33N–.07 97.86E–.08 35 3.5b 23 2-54
IDC XII 11 21 59 39.4–2.7 1.81N 98.18E 0 3.7,3.6b **¶12077012**
DJA XII 11 21 59 40 1.31N 97.97E 15 3.8,3.6b
NEIC XII 11 21 59 42.9–.82 1.49N 97.71E 35 3.8,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=128.9km s-min=20.6km az=57.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=12.7km az=60.0.
DJA XII 13 09 51 42 0.65N 98.60E 7 3.9
¶12923405
ISC XII 14 06 10 28.8–1.0 4.75N–.08 96.14E–.06 36–10 3.9b,3.5s 33 1-93
IDC XII 14 06 10 23.2–1.0 4.67N 96.00E 0 3.9,3.8 **¶12077403**
ISCJB XII 14 06 10 28.2–.96 4.72N–.07 96.20E–.06 47–9 3.9b,3.5s
DJA XII 14 06 10 28 4.75N 96.15E 18 4.3,3.5s
NEIC XII 14 06 10 28.3–.70 4.58N 96.06E 35 4.2b,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=17.9km az=54.0.
ISCJB Event type se. Error ellipse: s-maj=13.4km s-min=8.6km az=28.5.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.0km az=223.0.
ISC XII 16 19 43 18.3–.96 0.3N–.10 97.7E–.20 35 3.5b 20 6-59
IDC XII 16 19 43 12.8–2.3 0.13N 97.49E 0 3.7L,3.5 **¶12077796**
ISCJB XII 16 19 43 16.0–.97 0.3N–.10 97.7E–.20 33 3.5b,3.5
NEIC XII 16 19 43 17.3–.87 0.21N 97.68E 30 4.1b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=94.9km s-min=19.9km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=26.3km s-min=12.7km az=151.8.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=11.4km az=62.0.
IDC XII 17 03 29 40.7–3.7 2.67N 96.19E 0 3.6,3.5b
¶12077847
IDC Error ellipse: s-maj=146.9km s-min=26.8km az=56.0.
IDC XII 17 05 06 28.5–2.7 2.13N 96.14E 0 4.1L,4.0
¶12077863
IDC Error ellipse: s-maj=98.8km s-min=27.0km az=58.0.
ISC XII 17 22 26 14.4–.94 0.45N–.05 97.95E–.06 38–9 4.4b 69 2-144
IDC XII 17 22 26 08.3–.89 0.39N 97.93E 0 4.7L,4.3 **¶12077983**
ISCJB XII 17 22 26 12.7–1.1 0.45N–.05 97.95E–.06 42–9 4.4b,4.3
DJA XII 17 22 26 12 0.48N 97.95E 19 4.6,4.3
NEIC XII 17 22 26 15.1–2.2 0.45N 98.12E 48–17 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=16.2km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.7km az=145.9.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=6.5km az=52.0.
ISC XII 20 21 29 56.9–1.4 0.81N–.08 98.2E–.10 79–11 4.3b 52 2-143
IDC XII 20 21 29 44.8–1.1 0.45N 97.94E 0 4.2L,4.2b **¶12078387**
NEIC XII 20 21 29 50.9–3.3 0.50N 98.01E 42–26 4.3b,4.2b
DJA XII 20 21 29 51 0.81N 97.98E 10 4.6,4.2b
ISCJB XII 20 21 29 55.4–1.5 0.80N–.08 98.2E–.10 85–12 4.3b,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 21 13 47 52.5–.11 4.84N–.02 95.07E–.02 56 5.5b,5.0s 876 1-172
SZGRF XII 21 13 47 14.8 1.31S 97.22E 33 5.7b,4.8s **¶11517280**
BJI XII 21 13 47 48.5 4.60N 94.86E 63 5.6b,5.5b
MOS XII 21 13 47 48.7–.83 4.92N 95.12E 36 5.8b,4.8s
ISCJB XII 21 13 47 50.5–.11 4.83N–.02 95.07E–.02 54 5.5b,5.0s
NEIC XII 21 13 47 52.4–.74 4.83N 95.04E 56–6 5.6b,5.3W
IDC XII 21 13 47 52.1–1.5 4.86N 95.10E 52–12 5.2b,5.2
DJA XII 21 13 47 53.8–.40 5N–3.0 95E–4.0 47–3 5.7b,5.6b
GCMT XII 21 13 47 53.7–.10 4.55N 94.95E 51–0 5.4W,5.6b
TEH XII 21 13 47 54.0 4.85N 95.09E 68 5.4W,5.6b
ISC Event type fe.
SZGRF Southwest of Sumatera, Indonesia.
MOS Error ellipse: s-maj=7.4km s-min=3.8km az=118.8.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.0km az=35.9.
NEIC Event type fe. Error ellipse: s-maj=5.0km s-min=2.9km az=221.0. Felt [III] at Banda Aceh. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s16.00000°,δ34.00000°,λ149.00000°. NP2:ϕ_s132.00000°,δ73.00000°,λ60.00000°. Principal axes: T 1.1300,Plg52.0000° ,Azm6.0000°; N -0.0500,Plg28.0000°,Azm141.0000°; P -1.0800,Plg22.0000°,Azm244.0000° $M_0$1.10000×10^{17}
IDC Error ellipse: s-maj=11.6km s-min=8.0km az=47.0.
GCMT Event type se. Data Used: II IU IC G. Surface waves: sta= 83, comp=170, per= 50. Moment Tensor Solution. s88,c158; s12,c12; Moment tensor: Scale 10^{17}Nm; M_{rr}1.18±.03 $M_{\theta\theta}$-0.71±.02; $M_{\phi\phi}$-0.47±.02; $M_{r\theta}$0.73±.02; $M_{\theta\phi}$0.69±.02; $M_{\phi r}$-0.59±.02; Best double couple: NP1:ϕ_s311.00000°,δ26.00000°,λ92.00000°. NP2:ϕ_s129.00000°,δ64.00000°,λ89.00000°. Principal axes: T 1.5000,Plg71.0000°,Azm37.0000°; N 0.1100,Plg1.0000°,Azm130.0000° ; P -1.6000,Plg19.0000°,Azm220.0000° $M_0$1.60000×10^{17}
IDC XII 22 01 33 36.9–4.2 2.31N 97.30E 0 3.7,3.6b
¶12078505
IDC Error ellipse: s-maj=166.4km s-min=27.7km az=57.0.
ISC XII 23 21 39 45.9–.64 2.25N–.06 96.15E–.05 35 4.5s,3.9b 37 1-81
IDC XII 23 21 39 40.9–1.5 2.19N 96.16E 0 4.5,4.5s **¶12078732**
DJA XII 23 21 39 43 2.27N 96.04E 26 4.0,4.5s
ISCJB XII 23 21 39 44.1–.66 2.28N–.06 96.17E–.05 33 4.5s,3.9b
NEIC XII 23 21 39 46.1–.64 2.26N 96.27E 35 3.9b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=68.8km s-min=19.3km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=6.5km az=25.1.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.1km az=51.0.
ISC XII 24 23 38 02.0–1.1 3.94N–.07 96.6E–.10 48–13 3.7b 16 1-67
IDC XII 24 23 37 55.1–1.8 3.95N 96.47E 0 3.9,3.8b **¶12078872**
ISCJB XII 24 23 38 01.1–.99 3.94N–.07 96.6E–.10 57–11 3.7b,3.8b
DJA XII 24 23 38 01 3.96N 96.61E 12 4.2,3.8b
IDC Error ellipse: s-maj=110.0km s-min=28.0km az=46.0.
ISCJB Error ellipse: s-maj=18.8km s-min=8.5km az=156.1.
DJA XII 25 22 56 37 0.57N 99.18E 12 3.7
¶12923512
ISC XII 27 15 07 45.6–3.2 1.05N–.07 97.27E–.08 28–22 3.9b 32 2-85
IDC XII 27 15 07 41.2–1.4 0.98N 97.29E 0 4.0,3.9L **¶12079179**
ISCJB XII 27 15 07 44.5–2.0 1.04N–.10 97.2E–.10 35–15 3.9b,3.9L
DJA XII 27 15 07 45 1.10N 96.99E 72 4.0,3.9L
NEIC XII 27 15 07 45.9–8.4 1.02N 97.35E 30–56 4.0,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=49.9km s-min=19.3km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=8.0km az=138.3.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=10.7km az=55.0.
ISC XII 30 17 28 22.9–1.4 1.28N–.08 97.24E–.10 53–11 4.4b 77 2-144
DJA XII 30 17 27 40 0.20N 94.08E 335 4.9b **¶11527865**
BJI XII 30 17 28 12.4 0.51N 96.69E 37 5.0b,4.6b
IDC XII 30 17 28 14.6–1.3 1.15N 96.99E 0 4.4,4.3b
NEIC XII 30 17 28 20.6–2.3 1.23N 97.18E 35–18 4.5b,4.3b
ISCJB XII 30 17 28 21.5–1.5 1.28N–.08 97.24E–.09 59–11 4.4b,4.3b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.

SEISMIC REGION 47.
Baluchistan.

(709) Southeastern Afghanistan.

ISC VIII 17 00 41 06.8–.72 34.20N–.04 69.70E–.05 38–7 4.1b,3.3s 128 1-94
IDC VIII 17 00 41 02.1–.68 34.34N 69.60E 0 4.3,4.3 **¶13391904**
BJI VIII 17 00 41 03.0 34.47N 69.34E 7 4.5b,4.4b
NEIC VIII 17 00 41 04.2–1.1 34.32N 69.42E 10 4.1b,4.4b
ISCJB VIII 17 00 41 04.3–.34 34.17N–.03 69.66E–.04 33 4.1b,3.3s
MOS VIII 17 00 41 05.1–1.3 34.29N 69.40E 33 4.5b,3.3s
NNC VIII 17 00 41 07.3–6.9 34.27N 69.84E 54–76 4.9,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=14.2km az=107.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=9.7km az=168.0.
ISCJB Event type se. Error ellipse: s-maj=5.7km s-min=3.6km az=139.4.
MOS Error ellipse: s-maj=13.1km s-min=6.8km az=83.7.
NNC Error ellipse: s-maj=63.3km s-min=36.4km az=52.0.
ISC VIII 17 14 02 32.3–.92 34.05N–.03 69.37E–.04 3–5 4.0b,3.2s 129 1-84
ISCJB VIII 17 14 02 32.2–.80 34.09N–.03 69.45E–.05 15–6 4.0b,3.2s **¶13391936**
NNC VIII 17 14 02 33.6–7.5 33.83N 69.23E 45–65 3.9b,3.2s
IDC VIII 17 14 02 33.1–.71 34.28N 69.53E 0 4.2,4.1
NEIC VIII 17 14 02 35.0–1.9 34.23N 69.43E 12–11 4.3b,4.1
BJI VIII 17 14 02 34.5 34.35N 69.37E 18 4.2b,4.1b
MOS VIII 17 14 02 36.5–.98 34.30N 69.42E 33 4.4b,4.1b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=7.5km s-min=3.3km az=143.3.
NNC Error ellipse: s-maj=58.8km s-min=23.3km az=33.0.
IDC Error ellipse: s-maj=17.4km s-min=16.3km az=52.0.
NEIC Event type fe. Error ellipse: s-maj=11.6km s-min=8.7km az=149.0. Felt at Kabul.
MOS Error ellipse: s-maj=14.1km s-min=6.2km az=83.4.
ISC IX 02 21 24 35.9–.71 34.06N–.04 69.43E–.07 10 41 1-64
ISCJB IX 02 21 24 34.2–.64 34.10N–.04 69.51E–.07 10 **¶11486011**
IDC IX 02 21 24 35.3–4.4 34.07N 69.54E 0 4.3b,3.9
NEIC IX 02 21 24 36.8–6.3 34.11N 69.39E 10 3.1b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.2km az=145.2.
IDC Error ellipse: s-maj=127.0km s-min=22.9km az=133.0.
NEIC Event type se. Error ellipse: s-maj=74.8km s-min=17.1km az=191.0.
ISC IX 03 01 57 53.9–1.4 34.47N–.09 70.0E–.10 48–12 3.7b 20 1-83
IDC IX 03 01 57 47.6–1.8 34.52N 70.06E 0 4.0,3.8b **¶13393257**
ISCJB IX 03 01 57 52.8–1.4 34.58N–.08 70.1E–.10 48–13 3.7b,3.8b
NEIC IX 03 01 57 54.2–1.4 34.53N 70.01E 49–10 3.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=30.5km az=35.0.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=9.5km az=36.3.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=10.6km az=149.0.
ISC IX 08 20 39 52.8–1.1 34.59N–.03 69.58E–.04 17–7 3.9b 93 0-84
IDC IX 08 20 39 49.6–.92 34.51N 69.60E 0 4.1,4.0 **¶13393824**
ISCJB IX 08 20 39 51.1–1.0 34.56N–.03 69.66E–.04 20–8 4.0b,4.0
BJI IX 08 20 39 51.9 34.69N 69.74E 14 4.1L,3.9b
NEIC IX 08 20 39 51.9–1.8 34.52N 69.60E 12–10 4.1b,3.9b
NNC IX 08 20 39 58.5–3.9 35.20N 69.40E 0 4.5,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=17.9km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.8km az=141.6.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.7km az=156.0.
NNC Error ellipse: s-maj=34.1km s-min=29.1km az=87.0.
ISC IX 19 22 15 47.9–.81 34.50N–.05 70.59E–.09 49–12 3.4b 18 1-83
IDC IX 19 22 15 38.4–7.0 34.53N 69.92E 0 3.6,3.5 **¶11514673**
ISCJB IX 19 22 15 46.7–.80 34.59N–.05 70.64E–.09 50–12 3.4b,3.5
NEIC IX 19 22 15 46.6–1.0 34.47N 70.68E 35 3.3b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=219.8km s-min=26.1km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=6.8km az=159.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=14.8km az=129.0.
ISC IX 24 09 07 39.4–.95 34.33N–.04 69.54E–.07 20–8 3.7s,3.7b 64 0-84
IDC IX 24 09 07 36.2–1.3 34.35N 69.50E 0 3.9,3.8L **¶11377995**
ISCJB IX 24 09 07 37.7–1.0 34.39N–.03 69.68E–.06 20–10 3.7s,3.7b
NEIC IX 24 09 07 37.7–1.7 34.26N 69.58E 13–12 3.8b,3.7b
BJI IX 24 09 07 38.7 35.18N 69.15E 12 3.9b,3.6L
NNC IX 24 09 07 42.4–8.1 34.76N 69.32E 0 4.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=21.4km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.0km az=152.1.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.5km az=51.0.
NNC Error ellipse: s-maj=91.2km s-min=63.0km az=144.0.
ISC X 05 22 56 27.8–.38 33.87N–.01 69.49E–.01 1–2 6.0s,5.5b 1485 1-173
SZGRF X 05 22 56 25.8 32.97N 70.27E 49 5.9s,5.7b **¶13396130**
ISCJB X 05 22 56 27.3–.09 33.87N–.01 69.50E–.01 10 6.0s,5.5b
IDC X 05 22 56 27.1–.29 33.91N 69.56E 0 5.8,5.8s
NEIC X 05 22 56 28.9–.15 33.89N 69.47E 10 6.0s,5.9W
IGIL X 05 22 56 28.8 33.94N 69.51E 10 5.7s,5.9W
NNC X 05 22 56 28.7–3.9 33.80N 68.81E 27–40 5.5b,5.9W
DJA X 05 22 56 29 33.99N 69.45E 0 5.3b,5.9W
BJI X 05 22 56 30.0 34.07N 69.65E 20 6.3s,6.1
BGS X 05 22 56 30.4–3.7 32.90N 68.97E 10–0 5.4b,6.1
MOS X 05 22 56 30.9–1.3 33.92N 69.58E 35 5.9s,5.7b
GCMT X 05 22 56 31.3–.10 33.91N 69.48E 17–0 6.0W,5.7b
ISC Event type fe.
SZGRF Pakistan.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=1.5km az=11.7.
IDC Error ellipse: s-maj=6.6km s-min=5.7km az=6.0.
NEIC Event type fe. Error ellipse: s-maj=4.4km s-min=2.9km az=8.0. Felt [IV] at Gardiz and [II] at Kabul. Also felt at Pol-e Alam. Moment Tensor Solution. s57 Moment tensor: Scale 10^{17}Nm; M_{rr}0.79 $M_{\theta\theta}$-5.28 $M_{\phi\phi}$4.48 $M_{r\theta}$0.13 $M_{\theta\phi}$-2.71 $M_{\phi r}$-0.96 Best double couple: NP1:ϕ_s211.00000° ,δ82.00000°,λ9.00000°. NP2:ϕ_s120.00000°,δ81.00000°,λ172.00000°. Principal axes: T 5.3800,Plg11.0000°,Azm75.0000°; N 0.6000,Plg78.0000°,Azm250.0000° ; P -5.9800,Plg0.0000°,Azm345.0000° $M_0$5.70000×10^{17} Moment Tensor Solution. $M_0$6.70000×10^{17}
NNC Error ellipse: s-maj=28.8km s-min=24.7km az=161.0.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=5.0km s-min=2.8km az=127.7.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=113, comp=243, per= 50. Moment Tensor Solution. s102,c197; s53,c81; Moment tensor: Scale 10^{18}Nm; M_{rr}0.10±.01 $M_{\theta\theta}$-1.05±.01; $M_{\phi\phi}$0.95±.01; $M_{r\theta}$0.28±.03; $M_{\theta\phi}$-0.21±.01; $M_{\phi r}$0.00±.02; Best double couple: NP1:ϕ_s218.00000°,δ80.00000°,λ-8.00000°. NP2:ϕ_s310.00000°,δ82.00000°,λ-170.00000°.

Principal axes: T 0.9700,Plg2.0000°,Azm84.0000°; N 0.1600,Plg77.0000°,Azm346.0000° ; P -1.1300,Plg13.0000°,Azm174.0000° $M_0$1.10000×10^{18}

IDC X 06 05 05 12.6–1.3 33.76N 69.15E 0 3.9,3.8L ¶12066097

IDC Error ellipse: s-maj=31.4km s-min=29.4km az=87.0.

ISC X 06 14 37 57.2–1.4 33.66N–.03 69.49E–.05 5–9 4.1b,3.4s 155 2-84
BJI X 06 14 37 55.5 33.40N 69.40E 20 4.4b,4.3b **¶11710906**
IDC X 06 14 37 56.9–.67 33.80N 69.42E 0 4.2,4.1
NEIC X 06 14 37 57.8–.41 33.67N 69.53E 10 4.3b,4.1
ISCJB X 06 14 37 57.1–1.1 33.70N–.03 69.57E–.05 15–7 4.1b,3.4s
NNC X 06 14 37 58.8–2.6 33.79N 69.41E 0 4.2b,3.4s
MOS X 06 14 37 59.9–1.1 33.78N 69.57E 33 4.3b,3.4s
NDI X 06 14 39 20.0–2.8 31.85N 72.58E 10–0 3.5L,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=12.8km az=119.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.3km az=47.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=3.8km az=150.6.
NNC Error ellipse: s-maj=32.2km s-min=21.0km az=144.0.
MOS Error ellipse: s-maj=12.7km s-min=6.5km az=83.4.
NDI Error ellipse: s-maj=14.6km s-min=21.5km az=-1.0.

ISC X 06 21 57 32.3–1.4 34.05N–.04 69.94E–.05 1–9 4.0b 96 1-84
IDC X 06 21 57 29.0–2.1 33.82N 69.79E 0 3.8,3.7 **¶12066198**
NEIC X 06 21 57 33.6–.39 34.07N 69.99E 10 4.2b,3.7
MOS X 06 21 57 34.5–1.4 34.05N 70.04E 32 4.2b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=55.0km s-min=20.8km az=75.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.0km az=214.0.
MOS Error ellipse: s-maj=11.1km s-min=7.4km az=100.0.

ISC X 19 18 42 38.4–2.2 33.68N–.06 69.74E–.09 5–14 3.5b 48 1-84
ISCJB X 19 18 42 36.9–2.0 33.75N–.06 69.85E–.09 5–14 3.5b **¶11478013**
NEIC X 19 18 42 37.9–1.1 33.70N 69.35E 10 3.5b
IDC X 19 18 42 38.4–1.3 33.78N 69.94E 0 3.7b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=5.2km az=145.7.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=10.3km az=72.0.
IDC Error ellipse: s-maj=39.8km s-min=18.9km az=58.0.

ISC X 29 13 16 37.3–1.0 31.2N–.10 67.7E–.20 10 3.5b 14 4-84
ISCJB X 29 13 16 35.5–1.0 31.2N–.10 67.6E–.20 10 3.5b **¶12071479**
IDC X 29 13 16 35.8–1.2 30.99N 67.75E 0 3.7,3.6b
NEIC X 29 13 16 37.2–.87 31.11N 67.66E 10 3.7,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.6km s-min=16.3km az=9.3.
IDC Error ellipse: s-maj=36.6km s-min=29.0km az=109.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=14.8km az=100.0.

IDC XI 15 10 14 54.0–15 33.41N 68.00E 0 3.6b,3.4 ¶12073619

IDC Error ellipse: s-maj=346.4km s-min=32.0km az=155.0.

ISC XI 19 10 49 17.2–1.0 33.95N–.05 69.37E–.06 2–5 3.5b 46 1-84
ISCJB XI 19 10 49 17.2–.89 34.07N–.05 69.50E–.06 8–5 3.5b **¶11750838**
NEIC XI 19 10 49 18.8–3.5 34.14N 69.48E 4–21 3.2b
IDC XI 19 10 49 18.7–1.3 34.18N 69.63E 0 3.7L,3.6b
NNC XI 19 10 49 21.6–7.7 34.19N 69.33E 0 4.0b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=4.0km az=44.9.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=15.1km az=136.0.
IDC Error ellipse: s-maj=33.7km s-min=25.0km az=90.0.
NNC Error ellipse: s-maj=74.8km s-min=54.0km az=141.0.

NNC XII 10 11 36 01.3–6.3 34.90N 69.73E 0 3.6b,3.4 ¶12076733

NNC Error ellipse: s-maj=144.3km s-min=50.6km az=91.0.

(710) Pakistan.

ISC VII 02 08 08 38.3–.60 33.66N–.04 71.64E–.06 53–12 3.7b,2.8s 50 2-47
IDC VII 02 08 08 34.7–6.8 33.81N 71.52E 0 3.8,3.8b **¶13379154**
ISCJB VII 02 08 08 37.4–.81 33.59N–.04 71.58E–.06 71–13 3.6b,3.8b
NNC VII 02 08 08 37.3–7.1 33.97N 70.90E 0 3.9b,3.8b
NEIC VII 02 08 08 38.1–1.1 33.53N 71.68E 53–12 3.7b,3.8b
NDI VII 02 08 08 44.5–3.2 33.19N 71.64E 53–0 3.7b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=118.9km s-min=30.2km az=148.0.
ISCJB Event type fe. Error ellipse: s-maj=8.7km s-min=6.4km az=157.0.
NNC Error ellipse: s-maj=106.6km s-min=74.2km az=84.0.
NEIC Event type fe. Error ellipse: s-maj=19.1km s-min=9.3km az=128.0. Felt at Peshawar.
NDI Error ellipse: s-maj=24.3km s-min=41.6km az=-1.0.

ISC VII 05 13 57 20.7–.40 34.92N–.04 72.85E–.06 115–9 3.6b 47 1-82
ISCJB VII 05 13 57 19.5–.44 34.90N–.05 72.82E–.06 126–9 3.6b **¶11810705**
NEIC VII 05 13 57 26.1–1.6 35.32N 72.28E 119–17 3.8b
IDC VII 05 13 57 33.4–15 35.56N 72.25E 191–148 3.3b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=4.9km az=137.2.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=13.6km az=132.0.
IDC Error ellipse: s-maj=85.5km s-min=24.3km az=13.0.

ISC VII 12 09 46 54.8–1.5 34.53N–.02 73.93E–.04 30–13 3.9b 79 1-83
IDC VII 12 09 46 50.5–.86 34.54N 73.95E 0 4.1,4.0b **¶13388953**
NDI VII 12 09 46 50.0–3.1 34.84N 73.28E 39–195 3.8L,3.7b
ISCJB VII 12 09 46 52.8–.48 34.55N–.02 74.00E–.04 34–7 3.9b,3.7b
BJI VII 12 09 46 55.8 34.44N 74.20E 25 4.5b,4.1b
NEIC VII 12 09 46 55.6–.64 34.53N 73.89E 35 3.7b,4.1b
NNC VII 12 09 46 58.7–3.6 35.14N 73.26E 0 4.3,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=14.8km az=61.0.
NDI Error ellipse: s-maj=126.3km s-min=94.9km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.5km az=160.1.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.8km az=90.0.
NNC Error ellipse: s-maj=38.9km s-min=26.1km az=57.0.

ISC VII 24 19 23 25.1–.61 34.06N–.05 73.15E–.04 10 24 0-14
NDI VII 24 19 23 18.4–4.4 33.88N 72.19E 10–0 3.1L **¶11360944**
ISCJB VII 24 19 23 23.2–.67 34.17N–.05 73.21E–.04 10 3.1L

IDC VIII 07 17 02 28.2–3.3 28.39N 66.31E 0 3.7,3.7 ¶12580965

IDC Error ellipse: s-maj=95.6km s-min=32.6km az=84.0.

ISC VIII 16 19 59 11.0–1.9 35.00N–.04 73.99E–.07 23–15 3.6b 66 2-83
IDC VIII 16 19 59 07.5–.79 34.96N 74.06E 0 4.0,3.9 **¶11452614**
BJI VIII 16 19 59 08.0 34.61N 74.02E 27 3.3L,3.9
ISCJB VIII 16 19 59 11.5–.68 35.12N–.04 74.16E–.05 40–9 3.6b,3.9
NEIC VIII 16 19 59 12.1–3.4 35.04N 74.05E 30–24 3.5b,3.9
NNC VIII 16 19 59 12.6–6.0 35.05N 72.59E 0 3.8,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=14.9km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.5km az=144.6.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.4km az=162.0.
NNC Error ellipse: s-maj=65.6km s-min=49.4km az=42.0.

ISC VIII 17 15 20 39.9–1.7 34.68N–.05 73.44E–.08 27–15 3.5b 39 2-82
IDC VIII 17 15 20 35.6–.99 34.55N 73.22E 0 3.7b,3.7 **¶11377625**
ISCJB VIII 17 15 20 39.4–.87 34.72N–.05 73.53E–.08 41–11 3.5b,3.7
NEIC VIII 17 15 20 44.7–1.3 34.68N 73.22E 72–12 3.4b,3.7
NNC VIII 17 15 20 45.9–3.0 34.99N 72.03E 0 3.9,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=18.7km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=5.4km az=143.5.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.8km az=119.0.
NNC Error ellipse: s-maj=33.4km s-min=25.2km az=88.0.

ISC VIII 18 21 15 04.7–.61 34.62N–.03 73.29E–.06 32–8 3.9b 67 2-82
IDC VIII 18 21 14 59.5–.80 34.55N 73.14E 0 4.0,3.9 **¶11453271**
ISCJB VIII 18 21 15 03.5–.85 34.71N–.03 73.40E–.06 38–10 3.9b,3.9
NDI VIII 18 21 15 05.0–3.2 34.62N 72.76E 33–0 3.6L,3.5b
NEIC VIII 18 21 15 07.2–1.0 34.72N 73.26E 53–9 3.5b,3.5b
NNC VIII 18 21 15 09.7–4.9 34.93N 73.20E 62–44 4.6,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=16.2km az=67.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.1km az=154.5.
NDI Error ellipse: s-maj=29.8km s-min=46.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.1km az=193.0.
NNC Error ellipse: s-maj=48.0km s-min=32.2km az=47.0.

ISC VIII 22 08 46 01.0–2.7 26.88N–.05 67.20E–.08 28–20 4.1b 41 7-123
IDC VIII 22 08 45 56.5–.72 26.82N 67.12E 0 4.2,4.1b **¶11908580**
ISCJB VIII 22 08 45 58.3–2.6 26.92N–.05 67.26E–.08 21–19 4.1b,4.1b
NEIC VIII 22 08 46 01.9–.49 26.87N 67.12E 35 4.2b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=16.8km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=8.3km az=22.5.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.4km az=107.0.

ISC VIII 28 02 29 23.2–.71 33.23N–.05 70.05E–.07 92–10 3.3b 41 1-83
IDC VIII 28 02 29 16.6–1.3 33.21N 69.29E 0 3.8b,3.8 **¶11377734**
ISCJB VIII 28 02 29 22.5–.68 33.29N–.05 70.11E–.07 101–8 3.3b,3.8
NNC VIII 28 02 29 25.5–6.4 33.96N 69.68E 0 3.5b,3.8
NEIC VIII 28 02 29 28.0–2.0 33.59N 69.46E 92–18 3.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=51.8km s-min=34.4km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=4.8km az=139.1.
NNC Error ellipse: s-maj=85.0km s-min=47.5km az=76.0.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=18.8km az=154.0.

ISC IX 07 15 48 34.7–.87 34.49N–.08 72.7E–.20 10 18 1-19
NDI IX 07 15 48 24.6–3.1 33.97N 70.49E 10–0 3.1L **¶11493313**
ISCJB IX 07 15 48 32.4–.72 34.38N–.05 72.64E–.06 10 3.1L
NNC IX 07 15 48 41.7–2.1 34.93N 72.01E 0 3.6,3.4b
NDI Error ellipse: s-maj=27.1km s-min=30.5km az=-1.0.
ISCJB Error ellipse: s-maj=8.6km s-min=5.8km az=137.9.
NNC Error ellipse: s-maj=25.7km s-min=16.6km az=108.0.

ISC IX 10 15 31 03.1–1.5 30.48N–.04 69.95E–.04 5–10 4.1b,4.0s 114 3-147
BJI IX 10 15 31 00.6 30.44N 69.33E 30 5.1b,4.4s **¶11255638**
IDC IX 10 15 31 02.5–.89 30.47N 70.00E 0 4.0,3.9b
ISCJB IX 10 15 31 03.4–1.2 30.52N–.04 70.01E–.05 19–8 4.1b,4.0s
MOS IX 10 15 31 07.4–1.6 30.72N 70.14E 33 4.2b,4.0s
NEIC IX 10 15 31 08.5–.66 30.65N 70.02E 35 4.2b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=15.5km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.6km az=39.9.
MOS Error ellipse: s-maj=12.5km s-min=6.5km az=88.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.8km az=63.0.

ISC IX 10 15 51 34.9–.45 30.39N–.04 69.80E–.04 35 4.0b 87 3-142
IDC IX 10 15 51 29.9–1.2 30.28N 69.53E 0 4.1,4.0b **¶11377884**
ISCJB IX 10 15 51 32.9–.49 30.39N–.04 69.85E–.04 33 4.0b,4.0b
MOS IX 10 15 51 33.8–1.4 30.57N 69.65E 33 4.2b,4.0b
NEIC IX 10 15 51 34.8–6.7 30.36N 69.62E 31–45 4.0b,4.0b
BJI IX 10 15 51 36.4 30.76N 70.15E 10 4.7b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=32.4km s-min=17.0km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=39.1.
MOS Error ellipse: s-maj=14.6km s-min=7.7km az=82.0.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=11.3km az=219.0.

ISC IX 13 06 56 06.6–1.6 30.2N–.10 70.3E–.30 35 3.4b 9 10-81
IDC IX 13 06 55 59.8–2.2 30.01N 69.85E 0 3.6,3.5b **¶11910160**
ISCJB IX 13 06 56 05.2–1.6 30.3N–.10 70.5E–.30 33 3.4b,3.5b

ISC IX 23 14 24 45.8–.53 34.83N–.03 73.66E–.08 43–6 4.0b 71 4-83
IDC IX 23 14 24 40.1–.81 34.85N 73.62E 0 4.2,4.1b **¶11322312**
ISCJB IX 23 14 24 42.9–.70 34.80N–.03 73.69E–.08 35–8 4.0b,4.1b
BJI IX 23 14 24 43.9 34.59N 73.89E 16 4.4b,3.7L
NEIC IX 23 14 24 44.6–.63 34.72N 73.66E 35 3.9b,3.7L
NNC IX 23 14 24 52.5–4.3 35.22N 73.36E 85–41 4.1,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=15.6km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=3.7km az=158.6.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=5.3km az=57.0.
NNC Error ellipse: s-maj=34.0km s-min=25.0km az=30.0.

ISC IX 27 04 40 01.8–.33 34.88N–.02 73.80E–.04 45–6 4.5s,4.0b 85 1-81
IDC IX 27 04 39 55.8–.82 34.92N 73.64E 0 4.2,4.1s **¶11378009**
ISCJB IX 27 04 39 59.6–.43 34.90N–.02 73.88E–.04 44–7 4.5s,4.0b
BJI IX 27 04 40 01.6 34.93N 73.62E 63 4.5b,3.4L
NEIC IX 27 04 40 03.4–.92 34.97N 73.66E 56–7 4.1b,3.4L
NNC IX 27 04 40 06.1–2.8 35.15N 73.44E 56–25 4.2,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=15.4km az=55.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.2km az=162.7.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.4km az=160.0.
NNC Error ellipse: s-maj=22.1km s-min=19.3km az=114.0.

ISC IX 29 06 15 59.4–2.0 31.07N–.08 69.5E–.20 35 3.4b 15 3-82
IDC IX 29 06 16 36.1–22 31.52N 78.62E 0 3.6,3.5L **¶11911321**
IDC Error ellipse: s-maj=822.2km s-min=48.6km az=82.0.

ISC X 07 08 42 46.3–.39 34.85N–.03 73.96E–.05 47–7 3.9b 83 1-83
IDC X 07 08 42 40.5–.90 34.83N 73.77E 0 4.1L,4.1 **¶11748245**
NDI X 07 08 42 43.9–3.0 34.78N 73.38E 10–0 3.7L,3.5b
ISCJB X 07 08 42 44.4–.51 34.88N–.03 74.03E–.05 49–8 3.9b,3.5b
NEIC X 07 08 42 45.8–.70 34.82N 73.94E 42–9 3.5b,3.5b
NNC X 07 08 42 49.3–2.7 35.40N 73.10E 0 3.8,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=19.0km az=100.0.
NDI Error ellipse: s-maj=18.3km s-min=28.1km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.2km az=160.3.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.4km az=59.0.
NNC Error ellipse: s-maj=29.7km s-min=20.8km az=81.0.

ISC X 13 04 30 16.2–2.7 34.79N–.06 73.94E–.06 23–24 3.4b 21 1-81
IDC X 13 04 30 12.8–1.1 34.28N 73.41E 0 3.9b,3.8 **¶11748715**
ISCJB X 13 04 30 13.5–2.7 34.86N–.06 74.03E–.06 21–24 3.4b,3.8

ISC X 15 17 13 06.0–1.4 34.68N–.03 73.75E–.05 17–10 3.6b 74 2-81
IDC X 15 17 13 02.5–1.0 34.48N 73.47E 0 3.8b,3.8 **¶11477989**
NDI X 15 17 13 03.8–2.3 34.86N 73.57E 10–0 3.4L,3.4b
ISCJB X 15 17 13 04.9–1.7 34.72N–.03 73.84E–.06 25–15 3.6b,3.4b
NEIC X 15 17 13 04.1–.51 34.52N 73.67E 10 3.4b,3.4b
NNC X 15 17 13 16.1–4.7 35.58N 73.02E 0 3.6,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=18.3km az=60.0.
NDI Error ellipse: s-maj=18.0km s-min=24.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.4km az=153.1.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.7km az=54.0.
NNC Error ellipse: s-maj=37.2km s-min=27.4km az=179.0.

ISC X 16 19 02 37.9–.65 29.27N–.06 69.64E–.06 10 3.7b 52 5-81
ISCJB X 16 19 02 36.9–.64 29.36N–.06 69.78E–.06 10 3.7b **¶11477996**
IDC X 16 19 02 36.8–1.0 29.25N 69.62E 0 4.0,3.9b
NEIC X 16 19 02 42.2–.75 29.39N 69.85E 35 3.9b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=6.3km az=26.8.
IDC Error ellipse: s-maj=25.9km s-min=18.9km az=70.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.3km az=47.0.

ISC X 22 14 49 36.2–.87 33.75N–.06 73.24E–.07 24–8 31 0-18
ISCJB X 22 14 49 34.7–.61 33.77N–.07 73.30E–.08 35–15 **¶11478033**
NEIC X 22 14 49 37.0–.86 33.71N 73.17E 46–27
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=14.9km s-min=6.9km az=42.4.
NEIC Event type fe. Error ellipse: s-maj=16.9km s-min=6.2km az=46.0. Felt at Islamabad.

ISC X 23 21 49 40.3–.48 35.95N–.04 71.30E–.07 120–7 3.6b 64 2-66
IDC X 23 21 49 27.3–4.2 35.58N 71.00E 0 4.0b,3.9 **¶11749312**
ISCJB X 23 21 49 39.1–.49 35.96N–.04 71.24E–.07 127–8 3.6b,3.9
NEIC X 23 21 49 39.1–.75 35.88N 71.25E 105–11 4.3b,3.9
NNC X 23 21 49 44.7–2.5 36.81N 70.49E 0 4.0,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=95.4km s-min=28.4km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.3km az=157.1.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.0km az=62.0.
NNC Error ellipse: s-maj=35.3km s-min=18.8km az=94.0.

ISC X 24 06 57 45.5–.52 34.54N–.05 73.39E–.09 10 3.6b 37 4-82
ISCJB X 24 06 57 43.6–.52 34.56N–.05 73.45E–.09 10 3.6b **¶11749334**

IDC X 24 06 57 43.0–1.0 34.49N 73.50E 0 3.8,3.7b
NEIC X 24 06 57 44.7–.76 34.45N 73.51E 10 3.4b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.5km s-min=5.8km az=150.7.
IDC Error ellipse: s-maj=27.0km s-min=20.0km az=72.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=10.3km az=117.0.
ISC X 28 22 33 10.0–.55 30.52N–.02 67.56E–.01 21–4 5.0b,4.9s 739 4-145
ISCJB X 28 22 33 05.5–.60 30.51N–.02 67.55E–.02 4–4 5.0b,4.9s **¶13398449**
IDC X 28 22 33 06.5–.46 30.50N 67.44E 0 4.8,4.8
BJI X 28 22 33 06.3 30.76N 67.45E 3 5.2s,5.2b
NEIC X 28 22 33 08.5–.17 30.56N 67.44E 10 5.2b,4.9s
TEH X 28 22 33 09.0 30.61N 67.44E 12 5.2b,4.9s
MOS X 28 22 33 10.6–1.0 30.68N 67.52E 33 5.3b,4.9s
NNC X 28 22 33 11.7–6.8 31.22N 66.96E 0 5.2b,4.9s
GCMT X 28 22 33 12.9–.20 30.47N 67.43E 17–0 5.3W,4.9s
DJA X 28 22 33 16 30.69N 67.57E 67 5.0b,4.9s
SZGRF X 28 22 33 48.8 32.73N 63.71E 33 5.0b,4.9s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=2.2km az=9.4.
IDC Error ellipse: s-maj=11.3km s-min=9.8km az=145.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.2km az=4.0.
MOS Error ellipse: s-maj=5.2km s-min=3.4km az=114.9.
NNC Error ellipse: s-maj=94.8km s-min=57.4km az=107.0.
GCMT Event type se. Data Used: II IU CN G IC. Moment Tensor Solution. s62,c95; s93,c183; Moment tensor: Scale 10^{17}Nm; M_{rr}0.56±.02 $M_{\theta\theta}$-1.31±.02; $M_{\phi\phi}$0.74±.02; $M_{r\theta}$0.16±.05; $M_{\theta\phi}$-0.02±.02; $M_{\phi r}$-0.22±.05; Best double couple: NP1:ϕ_s229.00000°,δ63.00000°,λ22.00000°. NP2:ϕ_s128.00000°,δ70.00000°,λ151.00000°. Principal axes: T 0.8900,Plg34.0000° ,Azm87.0000°; N 0.4300,Plg55.0000°,Azm277.0000°; P -1.3200,Plg5.0000°,Azm180.0000° $M_0$1.10000×10^{17}
SZGRF Southwestern Afghanistan.
ISC X 28 23 09 58.2–.08 30.59N–.01 67.38E–.01 19 6.5s,6.1b 1855 4-175
BGS X 28 23 09 18.9–1.6 26.54N 71.32E 10–0 6.6s,5.9b **¶13398457**
SZGRF X 28 23 09 30.6 28.36N 69.80E 33 6.5s,6.3b
NNC X 28 23 09 43.2–7.1 30.18N 66.31E 0 6.3b,6.3b
IDC X 28 23 09 54.8–.32 30.56N 67.41E 0 6.4s,6.4
BJI X 28 23 09 55.5 30.79N 67.49E 5 6.9s,6.9b
ISCJB X 28 23 09 56.1–.08 30.60N–.01 67.37E–.01 18 6.5s,6.1b
NEIC X 28 23 09 57.6–.10 30.64N 67.35E 15 6.7,6.6s
MOS X 28 23 09 58.3–.89 30.58N 67.37E 33 6.5s,6.3b
TEH X 28 23 09 58.0 30.65N 67.32E 15 6.5s,6.3b
DJA X 28 23 10 00 30.53N 67.44E 24 6.8W,6.3b
GCMT X 28 23 10 02.0–.10 30.40N 67.48E 17–0 6.4W,6.3b
ISC Event type de.
BGS Error ellipse: s-maj=444.5km s-min=382.0km az=-1.0.
SZGRF Pakistan.
NNC Error ellipse: s-maj=111.4km s-min=61.0km az=101.0.
IDC Error ellipse: s-maj=9.9km s-min=7.7km az=28.0.
ISCJB Event type de. Error ellipse: s-maj=2.1km s-min=1.3km az=17.9.
NEIC Event type de. Error ellipse: s-maj=3.1km s-min=2.2km az=15.0. One hundred sixty-six people killed, 370 injured and several villages destroyed in Balochistan. Several villages destroyed by landslides in the Ziarat area. A total of 3,487 homes destroyed and an additional 4,125 homes damaged in the Harnai area, Pishin and Ziarat. Felt [VI] at Quetta. Felt strongly in Bolan, Kalat and Qila Saifullah; and at Loralai, Mach, Mastung, Muslimbagh, and Surab. Felt [III] at Kandahar, Afghanistan. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s305.00000°,δ60.00000° ,λ150.00000°. NP2:ϕ_s51.00000°,δ64.00000°,λ34.00000°. Principal axes: T Plg41.0000° ,Azm270.0000°; N Plg0.0000°,Azm0.0000°; P Plg3.0000°,Azm177.0000° Moment Tensor Solution. s86 Moment tensor: Scale 10^{18}Nm; M_{rr}0.80 $M_{\theta\theta}$-3.60 $M_{\phi\phi}$2.80 $M_{r\theta}$-0.41 $M_{\theta\phi}$-0.78 $M_{\phi r}$0.42 Best double couple: NP1:ϕ_s39.00000°,δ78.00000°,λ5.00000°. NP2:ϕ_s307.00000° ,δ85.00000°,λ168.00000°. Principal axes: T 2.9900,Plg12.0000°,Azm262.0000° ; N 0.7300,Plg77.0000°,Azm104.0000°; P -3.7200,Plg4.0000°,Azm353.0000° $M_0$3.40000×10^{18}
MOS Error ellipse: s-maj=6.1km s-min=2.9km az=131.4.
GCMT Event type se. Data Used: II IU CN IC G. Mantle waves from 103 sta. Surface waves: sta=111, comp=270, per= 50. Moment Tensor Solution. s120,c273; s99,c178; Moment tensor: Scale 10^{18}Nm; M_{rr}0.90±.03 $M_{\theta\theta}$-5.01±.03; $M_{\phi\phi}$4.11±.03; $M_{r\theta}$0.42±.08; $M_{\theta\phi}$-1.59±.03; $M_{\phi r}$1.38±.08; Best double couple: NP1:ϕ_s304.00000°,δ73.00000°,λ171.00000°. NP2:ϕ_s37.00000°,δ81.00000°,λ18.00000°. Principal axes: T 4.8100,Plg18.0000° ,Azm262.0000°; N 0.5400,Plg71.0000°,Azm62.0000°; P -5.3500,Plg6.0000°,Azm170.0000° $M_0$5.10000×10^{18}
IDC X 28 23 17 23.9–1.4 30.32N 67.51E 0 4.5,4.4
¶12071396
IDC Error ellipse: s-maj=41.7km s-min=27.3km az=134.0.
IDC X 28 23 19 27.6–3.2 30.26N 67.51E 0 4.2,4.2
¶12071397
IDC Error ellipse: s-maj=75.9km s-min=27.7km az=137.0.
ISC X 28 23 28 54.3–4.5 30.16N–.10 67.8E–.20 20–30 3.6b 17 4-63
IDC X 28 23 28 51.8–7.4 30.21N 67.70E 0 3.4,3.4 **¶12071399**
ISCJB X 28 23 28 52.3–5.0 30.2N–.10 67.9E–.20 23–37 3.6b,3.4
NEIC X 28 23 28 52.4–1.1 30.13N 67.82E 10 4.2b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=239.9km s-min=26.7km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=28.2km s-min=17.3km az=8.1.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=14.5km az=119.0.
ISC X 28 23 42 39.0–1.9 30.1N–.20 67.8E–.20 10 3.7b 21 13-63
ISCJB X 28 23 42 36.9–2.0 30.1N–.20 67.8E–.20 10 3.7b **¶12071400**
NEIC X 28 23 42 38.9–1.4 30.11N 67.77E 10 3.7b
IDC X 28 23 42 38.0–3.3 30.14N 67.67E 0 3.7,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.3km s-min=17.1km az=145.7.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=12.9km az=143.0.
IDC Error ellipse: s-maj=83.1km s-min=25.5km az=137.0.
IDC X 28 23 52 37.9–2.7 30.36N 67.47E 0 3.4,3.4
¶12071402
IDC Error ellipse: s-maj=75.1km s-min=26.7km az=141.0.
ISC X 28 23 54 12.7–1.8 30.38N–.04 68.04E–.05 30–14 4.1b 141 4-87
IDC X 28 23 54 08.0–.78 30.34N 68.00E 0 4.1,4.0b **¶11374852**
ISCJB X 28 23 54 08.7–1.9 30.36N–.05 68.02E–.05 15–15 4.1b,4.0b
NEIC X 28 23 54 09.4–.38 30.29N 68.01E 10 4.2b,4.0b
MOS X 28 23 54 11.4–.88 30.38N 68.06E 33 4.3b,4.0b
BJI X 28 23 54 15.0 31.28N 67.52E 13 4.6b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=14.9km az=19.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=6.9km az=13.9.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=18.0.
MOS Error ellipse: s-maj=9.3km s-min=6.1km az=95.0.
ISC X 29 00 12 25.2–1.9 30.51N–.06 67.57E–.07 12–11 3.8b 45 4-81
IDC X 29 00 12 22.8–1.4 30.50N 67.43E 0 4.9s,4.9 **¶12071404**
ISCJB X 29 00 12 24.1–1.7 30.60N–.06 67.69E–.08 10–10 3.8b,4.9
NEIC X 29 00 12 26.1–.76 30.62N 67.68E 10 4.1b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=23.7km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=9.6km az=153.1.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=10.3km az=201.0.
ISC X 29 00 31 55.8–.22 30.40N–.02 67.67E–.03 10 4.6s,4.4b 254 4-115
ISCJB X 29 00 31 53.9–.23 30.43N–.02 67.72E–.03 10 4.6s,4.4b **¶13398468**
IDC X 29 00 31 54.8–.61 30.47N 67.53E 0 4.3L,4.3
NEIC X 29 00 31 55.6–.29 30.42N 67.68E 10 4.8b,4.3
BJI X 29 00 31 57.4 30.78N 67.66E 10 5.4b,4.8s
MOS X 29 00 31 58.2–1.2 30.57N 67.69E 33 4.6b,4.8s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.8km az=39.1.
IDC Error ellipse: s-maj=14.7km s-min=13.7km az=179.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.1km az=194.0.
MOS Error ellipse: s-maj=7.6km s-min=4.8km az=87.8.
IDC X 29 00 54 54.7–4.9 30.37N 67.42E 0 3.5,3.5
¶12071406
IDC Error ellipse: s-maj=144.2km s-min=32.4km az=138.0.
IDC X 29 01 01 01.9–1.4 30.31N 67.41E 0 4.4s,4.4
¶12071407
IDC Error ellipse: s-maj=42.6km s-min=32.4km az=137.0.
ISC X 29 01 12 23.0–2.0 30.55N–.05 67.64E–.04 2–13 4.0b 90 4-87
ISCJB X 29 01 12 22.6–1.8 30.59N–.05 67.72E–.04 11–11 4.0b **¶11378585**
IDC X 29 01 12 22.1–.95 30.47N 67.50E 0 4.2s,4.2
NEIC X 29 01 12 24.6–.64 30.54N 67.79E 10 4.1b,4.2
BJI X 29 01 12 25.2 30.81N 67.77E 8 4.9b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.6km az=27.8.
IDC Error ellipse: s-maj=21.4km s-min=18.2km az=24.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.8km az=220.0.
ISC X 29 01 22 25.9–3.7 30.53N–.09 67.48E–.08 32–26 4.2s,3.8b 35 4-83
IDC X 29 01 22 21.0–1.1 30.45N 67.34E 0 4.3,4.2s **¶12071408**
NEIC X 29 01 22 22.5–.83 30.44N 67.39E 10 3.6b,4.2s
ISCJB X 29 01 22 24.4–.82 30.57N–.08 67.56E–.08 33 4.2s,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 29 01 27 40.7–1.9 29.9N–.20 67.9E–.20 10 3.6b 27 5-63
IDC X 29 01 27 39.0–3.3 29.87N 67.80E 0 4.2s,4.2 **¶12071409**
NEIC X 29 01 27 40.7–2.1 29.90N 67.79E 10 3.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=83.2km s-min=26.7km az=136.0.
NEIC Event type se. Error ellipse: s-maj=37.7km s-min=17.2km az=141.0.
ISC X 29 01 42 36.1–.60 30.44N–.06 67.61E–.06 10 4.1b 55 4-87
BJI X 29 01 42 32.0 30.30N 67.45E 10 5.0b,4.5s **¶11378589**
ISCJB X 29 01 42 34.9–.62 30.52N–.06 67.66E–.07 10 4.1b,4.5s
IDC X 29 01 42 35.2–.90 30.55N 67.37E 0 4.2,4.0b
NEIC X 29 01 42 36.9–.59 30.54N 67.44E 10 4.1b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=8.5km az=1.9.
IDC Error ellipse: s-maj=21.9km s-min=18.8km az=50.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.1km az=123.0.
ISC X 29 01 54 02.2–.85 30.40N–.06 67.66E–.07 10 3.7b 35 7-83
IDC X 29 01 54 00.5–1.1 30.32N 67.53E 0 3.9,3.8b **¶11378590**
ISCJB X 29 01 54 01.7–1.0 30.47N–.07 67.83E–.08 10 3.7b,3.8b
NEIC X 29 01 54 02.0–.86 30.38N 67.58E 10 3.6b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=21.3km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.5km az=41.3.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=11.8km az=109.0.
ISC X 29 01 54 17.4–.51 30.36N–.06 67.57E–.05 10 4.8s,4.2b 78 4-87
ISCJB X 29 01 54 15.6–.53 30.35N–.06 67.58E–.05 10 4.8s,4.2b **¶12071411**
IDC X 29 01 54 16.4–.80 30.40N 67.27E 0 4.9,4.8s
NEIC X 29 01 54 17.3–.59 30.35N 67.59E 10 4.3b,4.8s
BJI X 29 01 54 18.1 30.87N 67.37E 7 5.2b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.6km az=29.6.
IDC Error ellipse: s-maj=19.2km s-min=17.8km az=39.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.1km az=212.0.
IDC X 29 02 57 08.1–7.8 30.65N 67.30E 0 3.5b,3.5
¶12071415
IDC Error ellipse: s-maj=254.8km s-min=28.5km az=138.0.
ISC X 29 02 58 47.7–1.4 30.47N–.03 67.47E–.03 18–9 4.3b 284 4-87
ISCJB X 29 02 58 44.6–1.3 30.45N–.03 67.52E–.03 12–8 4.3b **¶11456213**
IDC X 29 02 58 45.3–.65 30.54N 67.33E 0 4.3,4.3
NEIC X 29 02 58 47.0–.27 30.56N 67.36E 10 4.6b,4.3
MOS X 29 02 58 48.9–.90 30.66N 67.46E 33 4.6b,4.3
BJI X 29 02 58 50.4 30.85N 68.03E 5 4.2s,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.3km az=27.8.
IDC Error ellipse: s-maj=15.6km s-min=14.6km az=2.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.8km az=166.0.
MOS Error ellipse: s-maj=7.1km s-min=4.6km az=106.5.
IDC X 29 03 02 11.6–9.3 30.38N 67.34E 0 3.5b,3.5
¶12071416
IDC Error ellipse: s-maj=307.0km s-min=27.7km az=139.0.
ISC X 29 03 50 16.5–1.7 30.7N–.10 67.9E–.20 10 3.9b 35 4-63
IDC X 29 03 50 05.5–5.0 29.64N 67.98E 0 4.0,3.9 **¶12071421**
ISCJB X 29 03 50 15.5–1.7 30.8N–.10 68.0E–.20 10 3.9b,3.9
NEIC X 29 03 50 16.1–1.8 30.71N 67.92E 10 3.8b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=137.7km s-min=32.4km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=26.3km s-min=7.7km az=141.1.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=7.4km az=53.0.
ISC X 29 04 18 35.5–2.1 30.0N–.30 67.7E–.30 10 3.8b 16 5-88
IDC X 29 04 18 27.4–5.7 28.83N 68.96E 0 4.0s,4.0 **¶12071424**
NEIC X 29 04 18 35.2–2.4 30.08N 67.72E 10 3.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=185.8km s-min=28.7km az=136.0.
NEIC Event type se. Error ellipse: s-maj=57.6km s-min=19.0km az=135.0.
IDC X 29 04 29 20.8–3.4 30.16N 67.71E 0 3.5,3.5
¶12071425
IDC Error ellipse: s-maj=86.3km s-min=27.6km az=138.0.
ISC X 29 04 48 43.8–1.5 30.5N–.20 67.2E–.20 10 3.5b 17 4-120
ISCJB X 29 04 48 41.5–1.4 30.5N–.20 67.3E–.20 10 3.5b **¶12071426**
IDC X 29 04 48 43.2–2.8 30.54N 67.24E 0 3.6b,3.6
NEIC X 29 04 48 44.6–1.5 30.58N 67.23E 10 3.6b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=35.3km s-min=12.9km az=33.4.
IDC Error ellipse: s-maj=93.0km s-min=25.6km az=135.0.
NEIC Event type se. Error ellipse: s-maj=36.6km s-min=14.7km az=135.0.
ISC X 29 04 49 18.0–2.0 30.2N–.20 67.5E–.20 10 3.8b 23 13-63
ISCJB X 29 04 49 15.3–2.1 30.1N–.20 67.6E–.20 10 3.8b **¶12071427**
IDC X 29 04 49 16.0–3.3 30.08N 67.52E 0 3.9,3.8
NEIC X 29 04 49 17.3–1.8 30.14N 67.61E 10 3.6b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=38.1km s-min=15.6km az=146.8.
IDC Error ellipse: s-maj=75.1km s-min=26.7km az=138.0.
NEIC Event type se. Error ellipse: s-maj=34.8km s-min=13.5km az=144.0.
IDC X 29 04 57 36.0–4.6 30.64N 67.30E 0 3.6,3.6
¶12071429
IDC Error ellipse: s-maj=139.0km s-min=26.6km az=137.0.
ISC X 29 06 15 20.3–1.7 30.32N–.04 67.60E–.04 14–11 4.1b,3.3s 128 4-87
IDC X 29 06 15 18.9–.94 30.44N 67.46E 0 4.1,4.0L **¶11472829**
ISCJB X 29 06 15 19.9–1.9 30.37N–.05 67.68E–.04 25–14 4.1b,3.3s
NEIC X 29 06 15 19.6–.56 30.32N 67.62E 10 4.7b,3.3s
MOS X 29 06 15 22.3–1.4 30.53N 67.65E 33 4.6b,3.3s
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=19.9km az=110.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.5km az=33.6.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.0km az=208.0.
MOS Error ellipse: s-maj=12.1km s-min=6.2km az=80.9.
ISC X 29 06 43 24.5–2.9 30.44N–.05 67.61E–.07 0–19 4.0b,3.2s 86 4-83
IDC X 29 06 43 24.4–.99 30.50N 67.42E 0 4.3L,4.1 **¶12071434**
NEIC X 29 06 43 26.2–.70 30.46N 67.66E 10 4.8b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=19.3km az=81.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.4km az=47.0.
ISC X 29 07 07 41.2–2.1 30.37N–.05 67.62E–.04 4–14 4.2b,3.5s 135 4-87
NEIC X 29 07 07 41.8–.54 30.33N 67.61E 10 4.7b,3.5s **¶13398504**
IDC X 29 07 07 41.4–.84 30.44N 67.43E 0 4.2,4.1
MOS X 29 07 07 45.0–1.2 30.56N 67.48E 33 4.8b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.4km az=204.0.
IDC Error ellipse: s-maj=20.7km s-min=16.9km az=29.0.
MOS Error ellipse: s-maj=11.9km s-min=7.4km az=92.8.
ISC X 29 07 10 43.1–.91 30.6N–.10 67.7E–.20 10 3.8b 26 14-83
ISCJB X 29 07 10 41.5–.90 30.7N–.10 67.6E–.20 10 3.8b **¶12071439**
IDC X 29 07 10 41.2–1.0 30.55N 67.63E 0 3.9,3.8b
NEIC X 29 07 10 43.2–.86 30.68N 67.46E 10 3.9,3.8b
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=23.5km s-min=15.6km az=16.5.
IDC Error ellipse: s-maj=29.3km s-min=23.0km az=109.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=14.6km az=97.0.
ISC X 29 07 58 59.3–2.4 30.42N–.04 67.50E–.05 3–15 4.1b,3.6s 130 4-87
IDC X 29 07 58 59.0–.69 30.47N 67.39E 0 4.2,4.1 **¶12071441**
NEIC X 29 07 59 00.0–.50 30.38N 67.53E 10 4.8b,4.1
MOS X 29 07 59 02.2–1.2 30.51N 67.54E 33 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=15.0km az=31.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.1km az=37.0.
MOS Error ellipse: s-maj=11.1km s-min=5.9km az=74.8.
ISC X 29 09 44 18.5–3.3 30.49N–.07 67.5E–.10 14–21 3.8b,3.3s 39 4-83
IDC X 29 09 44 16.0–1.1 30.42N 67.44E 0 4.0,3.9 **¶12071447**
NEIC X 29 09 44 17.6–.64 30.45N 67.49E 10 3.8b,3.9
ISCJB X 29 09 44 19.6–.78 30.55N–.07 67.6E–.10 33 3.8b,3.3s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 29 11 32 41.9–.42 30.50N–.01 67.56E–.01 3–2 6.6s,6.0b 1668 4-176
BGS X 29 11 32 05.0–1.7 26.43N 71.73E 10–0 6.8s,5.9b **¶11378619**
SZGRF X 29 11 32 39.3 29.84N 67.82E 33 6.5s,6.3b
IDC X 29 11 32 41.0–.31 30.66N 67.62E 0 6.4s,6.4
ISCJB X 29 11 32 41.2–.08 30.46N–.02 67.56E–.01 11 6.6s,6.0b
TEH X 29 11 32 43.0 30.54N 67.46E 10 6.6s,6.0b
NEIC X 29 11 32 43.1–.19 30.60N 67.46E 14 6.6s,6.4W
MOS X 29 11 32 44.4–1.9 30.61N 67.53E 33 6.5s,6.3b
BJI X 29 11 32 44.3 30.82N 67.93E 14 6.7s,6.5
DJA X 29 11 32 46 30.46N 67.68E 19 6.4W,6.5
GCMT X 29 11 32 48.6–.10 30.29N 67.57E 12 6.4W,6.5
ISC Event type de.
BGS Error ellipse: s-maj=446.7km s-min=403.7km az=-1.0.
SZGRF Pakistan.
IDC Error ellipse: s-maj=8.7km s-min=6.7km az=38.0.
ISCJB Event type de. Error ellipse: s-maj=2.3km s-min=1.3km az=16.6.
NEIC Event type de. Error ellipse: s-maj=5.7km s-min=4.2km az=196.0. Several buildings collapsed in the Ziarat district. Cracked plaster and building damage at Quetta. One injury from a wall collapse at Shehdadkot. Felt [V] at Quetta. Also felt at Chaman, Dadhar, Dadu, Jacobabad, Jafarabad, Kawas, Khairu, Larkana, Loralai, Nasirabad, Pishin, Qambar, Qila Abdullah, Shoran, Sibi and Zhob. Felt [IV] at Kandahar, Afghanistan. Also felt at Gurgaon and Jaipur, India. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_E75.00000°,δ75.00000°,λ35.00000°. NP2: ϕ_E335.00000°,δ56.00000°,λ162.00000°. Principal axes: T Plg35.0000°,Azm300.0000° ; N Plg0.0000°,Azm0.0000°; P Plg12.0000°,Azm201.0000° Moment Tensor Solution. s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.53 $M_{\theta\theta}$-2.67 $M_{\phi\phi}$2.14 $M_{r\theta}$0.13 $M_{\theta\phi}$0.77 $M_{\phi r}$-0.09
Best double couple: NP1:ϕ_E324.00000°,δ90.00000°,λ-177.00000°. NP2:ϕ_E234.00000° ,δ87.00000°,λ0.00000°. Principal axes: T 2.2600,Plg2.0000°,Azm98.0000° ; N 0.5400,Plg86.0000°,Azm326.0000°; P -2.8000,Plg2.0000°,Azm188.0000° $M_0$2.60000×10^{18}
MOS Error ellipse: s-maj=4.6km s-min=2.8km az=121.8.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=115, comp=264, per= 50. Moment Tensor Solution. s115,c256; s96,c175; Moment tensor: Scale 10^{18}Nm; M_{rr}1.00±.03 $M_{\theta\theta}$-5.31±.03; $M_{\phi\phi}$4.30±.03; $M_{r\theta}$2.21±.08; $M_{\theta\phi}$1.29±.03; $M_{\phi r}$0.50±.08; Best double couple: NP1:ϕ_E324.00000°,δ68.00000°,λ-178.00000°. NP2:ϕ_E233.00000°,δ88.00000°,λ-22.00000°. Principal axes: T 4.6600,Plg14.0000°,Azm280.0000°; N 1.4500,Plg68.0000°,Azm48.0000° ; P -6.1200,Plg17.0000°,Azm186.0000° $M_0$5.40000×10^{18}
ISC X 29 11 49 16.4–.98 30.5N–.10 67.8E–.20 10 3.7b 18 4-83
ISCJB X 29 11 49 14.6–.97 30.6N–.10 67.7E–.20 10 3.7b **¶12071455**
IDC X 29 11 49 14.7–1.1 30.48N 67.71E 0 3.9,3.8b
NEIC X 29 11 49 16.2–.85 30.51N 67.69E 10 3.9,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.4km s-min=16.3km az=3.6.
IDC Error ellipse: s-maj=31.6km s-min=22.9km az=86.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=14.2km az=98.0.
ISC X 29 11 51 03.0–1.1 30.4N–.10 67.3E–.10 10 3.9b 26 4-144
ISCJB X 29 11 51 01.1–1.1 30.4N–.10 67.4E–.10 10 3.9b **¶12071456**
IDC X 29 11 51 01.5–1.3 30.42N 67.40E 0 4.0,3.9b
NEIC X 29 11 51 02.8–.73 30.38N 67.37E 10 3.8b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.9km s-min=15.5km az=138.8.
IDC Error ellipse: s-maj=28.4km s-min=24.7km az=133.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=10.7km az=125.0.
IDC X 29 11 53 35.7–9.7 30.62N 66.79E 0 3.7,3.7
¶12071457
IDC Error ellipse: s-maj=326.9km s-min=30.4km az=140.0.
ISC X 29 11 56 20.6–.79 30.42N–.08 67.4E–.10 10 4.0b 36 4-83
IDC X 29 11 56 18.6–1.0 30.33N 67.35E 0 4.0,3.9 **¶12071459**
ISCJB X 29 11 56 19.2–.84 30.49N–.09 67.4E–.10 10 4.0b,3.9
NEIC X 29 11 56 20.5–.80 30.40N 67.39E 10 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=20.4km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=12.6km az=169.2.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=12.0km az=99.0.
ISC X 29 12 03 22.5–5.8 30.4N–.10 67.58E–.07 24–40 4.2b 63 4-120
IDC X 29 12 03 18.4–.71 30.36N 67.55E 0 4.2,4.1b **¶12071461**
NEIC X 29 12 03 20.2–.37 30.35N 67.53E 10 4.5b,4.1b
ISCJB X 29 12 03 21.9–.53 30.44N–.08 67.57E–.07 33 4.2b,4.1b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 29 12 08 22.7–1.3 30.36N 67.24E 0 3.5,3.4
¶12071462
IDC Error ellipse: s-maj=40.4km s-min=26.7km az=130.0.
IDC X 29 12 09 12.2–1.1 30.06N 67.34E 0 3.7,3.5b
¶12071463
IDC Error ellipse: s-maj=32.6km s-min=26.0km az=117.0.
ISC X 29 12 11 46.1–.46 30.26N–.06 67.67E–.05 10 4.1b 84 4-88
ISCJB X 29 12 11 44.2–.46 30.27N–.06 67.66E–.05 10 4.1b **¶11472833**
NEIC X 29 12 11 45.9–.45 30.23N 67.66E 10 4.5b
IDC X 29 12 11 45.5–.71 30.35N 67.60E 0 4.2,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.5km az=21.6.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.7km az=200.0.
IDC Error ellipse: s-maj=19.3km s-min=13.4km az=23.0.
ISC X 29 12 16 29.5–.72 30.44N–.08 67.3E–.10 10 3.8b 33 4-83
ISCJB X 29 12 16 27.7–.72 30.47N–.08 67.4E–.10 10 3.8b **¶12071464**
IDC X 29 12 16 27.7–.87 30.40N 67.30E 0 4.0,3.9
NEIC X 29 12 16 29.4–.63 30.43N 67.36E 10 3.7b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.2km s-min=12.0km az=1.2.
IDC Error ellipse: s-maj=21.9km s-min=18.1km az=39.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=10.3km az=106.0.
IDC X 29 12 18 02.9–1.5 30.33N 67.51E 0 4.0,3.9
¶12071465
IDC Error ellipse: s-maj=33.1km s-min=27.1km az=133.0.
IDC X 29 12 21 23.0–8.1 30.26N 68.81E 0 3.6,3.5b
¶12071466
IDC Error ellipse: s-maj=266.1km s-min=27.6km az=86.0.
IDC X 29 12 27 13.0–1.5 30.79N 67.15E 0 3.6,3.5b
¶12071467
IDC Error ellipse: s-maj=41.7km s-min=26.2km az=129.0.
ISC X 29 12 30 26.8–7.0 30.4N–.20 67.5E–.10 22–47 3.8b 36 4-87
IDC X 29 12 30 23.1–.86 30.34N 67.48E 0 4.1,3.9 **¶12071468**
NEIC X 29 12 30 24.7–.53 30.35N 67.52E 10 3.6b,3.9
ISCJB X 29 12 30 27.0–.72 30.50N–.08 67.46E–.08 33 3.8b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 29 12 31 05.2–.93 30.13N 67.30E 0 4.1,4.0
¶12071469
IDC Error ellipse: s-maj=23.7km s-min=21.3km az=72.0.

IDC X 29 12 38 26.5–4.7 30.16N 67.39E 0 3.6,3.6
¶12071472
IDC Error ellipse: s-maj=137.8km s-min=28.0km az=137.0.
ISC X 29 12 38 55.6–.80 30.4N–.10 67.6E–.10 10 4.1b 23 9-83
ISCJB X 29 12 38 53.9–.81 30.4N–.10 67.5E–.10 10 4.1b **¶12071473**
IDC X 29 12 38 54.0–.95 30.29N 67.52E 0 4.2,4.0
ISCJB Error ellipse: s-maj=18.1km s-min=13.8km az=174.6.
IDC Error ellipse: s-maj=23.7km s-min=21.1km az=72.0.
IDC X 29 12 40 23.8–1.1 30.37N 67.42E 0 3.9,3.8
¶12071474
IDC Error ellipse: s-maj=29.6km s-min=23.4km az=81.0.
ISC X 29 12 47 39.3–2.7 30.33N–.05 67.53E–.05 9–17 4.2b 85 4-87
IDC X 29 12 47 38.2–.74 30.33N 67.51E 0 4.2,4.1b **¶12071475**
NEIC X 29 12 47 39.7–.46 30.34N 67.46E 10 4.6b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=14.3km az=22.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.3km az=174.0.
ISC X 29 12 56 25.8–1.0 30.3N–.10 67.5E–.20 10 3.6b 18 4-83
ISCJB X 29 12 56 24.1–1.0 30.4N–.10 67.5E–.20 10 3.6b **¶12071476**
IDC X 29 12 56 24.3–1.1 30.33N 67.54E 0 3.7,3.6
NEIC X 29 12 56 25.6–.94 30.28N 67.51E 10 3.7,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.2km s-min=15.2km az=16.6.
IDC Error ellipse: s-maj=32.6km s-min=24.0km az=100.0.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=13.5km az=105.0.
ISC X 29 13 02 53.7–.98 30.2N–.10 67.4E–.20 10 3.5b 18 5-83
ISCJB X 29 13 02 51.9–.97 30.2N–.10 67.4E–.20 10 3.5b **¶12071477**
IDC X 29 13 02 51.9–1.1 30.30N 67.49E 0 3.6,3.5b
NEIC X 29 13 02 53.5–.96 30.22N 67.43E 10 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.0km s-min=16.4km az=0.6.
IDC Error ellipse: s-maj=29.8km s-min=23.9km az=101.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=16.0km az=98.0.
ISC X 29 13 05 35.8–1.2 30.3N–.10 67.3E–.20 10 3.4b 15 4-81
ISCJB X 29 13 05 33.8–1.2 30.3N–.10 67.4E–.20 10 3.4b **¶12071478**
IDC X 29 13 05 34.0–1.2 30.21N 67.43E 0 3.5,3.4
NEIC X 29 13 05 35.6–1.1 30.27N 67.32E 10 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.5km s-min=17.3km az=40.2.
IDC Error ellipse: s-maj=34.7km s-min=25.1km az=117.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=15.4km az=129.0.
ISC X 29 13 28 38.8–.82 30.38N–.09 67.7E–.10 10 3.6b 27 4-83
ISCJB X 29 13 28 36.9–.82 30.38N–.09 67.7E–.10 10 3.6b **¶12071480**
IDC X 29 13 28 36.9–1.1 30.24N 67.60E 0 3.8,3.7
NEIC X 29 13 28 38.5–.79 30.33N 67.66E 10 3.5b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.1km s-min=12.8km az=161.4.
IDC Error ellipse: s-maj=28.9km s-min=21.0km az=61.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=12.3km az=76.0.
IDC X 29 13 37 58.1–1.5 30.24N 67.39E 0 3.5,3.4
¶12071481
IDC Error ellipse: s-maj=43.1km s-min=29.7km az=130.0.
ISC X 29 13 38 46.4–1.6 30.33N–.04 67.71E–.03 15–10 4.1b 176 4-87
ISCJB X 29 13 38 44.9–1.7 30.34N–.05 67.74E–.04 15–10 4.1b **¶12071482**
NEIC X 29 13 38 44.9–.46 30.27N 67.62E 10 4.6b
IDC X 29 13 38 44.3–.81 30.34N 67.54E 0 4.2,4.1
MOS X 29 13 38 47.5–1.5 30.42N 67.67E 33 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=3.9km az=27.5.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.1km az=200.0.
IDC Error ellipse: s-maj=19.5km s-min=16.0km az=2.0.
MOS Error ellipse: s-maj=8.7km s-min=5.5km az=90.2.
ISC X 29 13 53 06.8–.88 30.33N–.09 67.5E–.20 10 3.7b 23 4-83
ISCJB X 29 13 53 05.2–.88 30.36N–.09 67.6E–.20 10 3.7b **¶12071483**
IDC X 29 13 53 05.3–1.2 30.25N 67.48E 0 3.8,3.7
NEIC X 29 13 53 06.9–.78 30.31N 67.57E 10 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.0km s-min=12.5km az=6.5.
IDC Error ellipse: s-maj=35.5km s-min=25.2km az=100.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=11.2km az=97.0.
ISC X 29 14 03 29.5–.96 30.27N–.10 67.6E–.20 10 3.6b 21 4-83
ISCJB X 29 14 03 27.8–.95 30.3N–.10 67.6E–.20 10 3.6b **¶12071484**
IDC X 29 14 03 27.9–1.1 30.18N 67.59E 0 3.8,3.7
NEIC X 29 14 03 29.4–.74 30.26N 67.63E 10 3.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.9km s-min=14.4km az=8.7.
IDC Error ellipse: s-maj=30.7km s-min=22.6km az=86.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.1km az=101.0.
ISC X 29 15 10 24.8–.87 30.4N–.10 67.75E–.10 10 3.7b 39 4-83
ISCJB X 29 15 10 23.0–.88 30.4N–.10 67.7E–.10 10 3.7b **¶12071488**
IDC X 29 15 10 23.4–1.1 30.36N 67.51E 0 3.9,3.8
NEIC X 29 15 10 24.5–.97 30.24N 67.69E 10 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=7.6km az=36.5.
IDC Error ellipse: s-maj=28.6km s-min=21.1km az=69.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=9.0km az=220.0.
ISC X 29 15 32 46.1–.59 30.36N–.05 67.82E–.07 10 4.0b 81 4-83
BJI X 29 15 32 41.9 30.61N 67.12E 10 4.7b,4.2b **¶11378627**
IDC X 29 15 32 43.9–1.0 30.34N 67.49E 0 3.9,3.8
ISCJB X 29 15 32 44.7–.60 30.42N–.05 67.85E–.07 10 4.0b,3.8
NEIC X 29 15 32 44.9–.77 30.27N 67.77E 10 4.3b,3.8
MOS X 29 15 32 47.5–1.6 30.39N 67.75E 33 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=19.9km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=6.2km az=145.1.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.3km az=48.0.
MOS Error ellipse: s-maj=13.6km s-min=7.8km az=77.6.
ISC X 29 15 56 35.7–.37 30.38N–.05 67.80E–.05 10 4.4b,3.7s 100 4-145
ISCJB X 29 15 56 34.1–.38 30.42N–.05 67.82E–.05 10 4.4b,3.7s **¶12071493**
IDC X 29 15 56 34.2–.58 30.36N 67.59E 0 4.5,4.4
NEIC X 29 15 56 35.3–.40 30.31N 67.77E 10 4.7b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=5.1km az=26.8.
IDC Error ellipse: s-maj=16.2km s-min=12.6km az=16.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.6km az=207.0.
ISC X 29 16 29 11.8–.97 30.37N–.10 67.4E–.20 10 3.5b 23 4-83
ISCJB X 29 16 29 10.2–.97 30.4N–.10 67.5E–.20 10 3.5b **¶12071497**
IDC X 29 16 29 10.3–1.2 30.35N 67.49E 0 3.7,3.6
NEIC X 29 16 29 11.7–.90 30.32N 67.49E 10 3.3b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=23.1km s-min=14.0km az=16.1.
IDC Error ellipse: s-maj=34.6km s-min=23.4km az=106.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=12.6km az=106.0.
ISC X 29 16 37 23.8–.78 30.61N–.07 67.93E–.09 10 3.8b 52 4-83
IDC X 29 16 37 21.4–.99 30.57N 67.60E 0 3.9,3.8b **¶12071498**
ISCJB X 29 16 37 23.1–.93 30.72N–.08 68.1E–.10 10 3.8b,3.8b
NEIC X 29 16 37 23.2–.94 30.59N 67.87E 10 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=20.7km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=16.4km s-min=6.9km az=140.2.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.6km az=47.0.
ISC X 29 16 45 11.9–.65 30.44N–.05 67.69E–.07 10 3.8b,3.4s 75 4-83
IDC X 29 16 45 09.7–.98 30.42N 67.35E 0 4.1,4.0 **¶12071499**
ISCJB X 29 16 45 11.4–.69 30.54N–.06 67.84E–.07 10 3.8b,3.4s
NEIC X 29 16 45 11.0–.97 30.37N 67.60E 10 4.4b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=19.4km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.5km az=137.9.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=8.9km az=52.0.
ISC X 29 17 09 10.2–.49 30.35N–.05 67.68E–.05 10 4.1b,3.3s 115 4-83
ISCJB X 29 17 09 08.7–.49 30.41N–.06 67.69E–.05 10 4.1b,3.3s **¶12071502**

IDC X 29 17 09 08.5–.85 30.34N 67.47E 0 4.0,3.8b
NEIC X 29 17 09 10.4–.62 30.38N 67.60E 10 4.6b,3.8b
MOS X 29 17 09 12.4–1.4 30.45N 67.71E 33 4.6b,3.8b
DMN X 29 17 11 34.2–71 29.58N 79.97E 60–0 4.9b,3.8b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=8.9km s-min=5.4km az=33.0.
IDC Error ellipse: s-maj=20.3km s-min=16.9km az=36.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.7km az=217.0.
MOS Error ellipse: s-maj=9.8km s-min=5.4km az=79.2.
DMN Event type ke. Error ellipse: s-maj=1706.6km s-min=68.7km az=112.0.
ISC X 29 17 32 31.3–1.1 30.5N–.10 67.5E–.20 10 3.4b 14 4-83
ISCJB X 29 17 32 29.4–1.1 30.6N–.10 67.4E–.20 10 3.4b **¶12071506**
IDC X 29 17 32 29.9–1.2 30.33N 67.43E 0 3.6,3.5b
NEIC X 29 17 32 31.4–1.1 30.29N 67.42E 10 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=30.9km s-min=16.0km az=22.6.
IDC Error ellipse: s-maj=36.8km s-min=29.3km az=139.0.
NEIC Event type se. Error ellipse: s-maj=31.2km s-min=18.8km az=108.0.
ISC X 29 17 48 52.7–.65 30.22N–.06 67.55E–.06 10 3.9b 69 4-83
ISCJB X 29 17 48 51.3–.65 30.29N–.06 67.60E–.06 10 3.9b **¶12071508**
IDC X 29 17 48 51.7–.87 30.26N 67.39E 0 4.0,3.9
NEIC X 29 17 48 52.2–1.1 30.14N 67.56E 10 4.5b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.7km az=36.3.
IDC Error ellipse: s-maj=20.6km s-min=17.2km az=47.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=6.9km az=222.0.
ISC X 29 18 00 29.4–2.2 30.27N–.05 67.67E–.06 27–16 3.8b 74 4-83
IDC X 29 18 00 25.4–.84 30.30N 67.41E 0 4.0,3.8 **¶11472842**
ISCJB X 29 18 00 26.8–2.4 30.33N–.06 67.69E–.07 20–18 3.8b,3.8
NEIC X 29 18 00 26.5–.79 30.18N 67.56E 10 4.5b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=17.0km az=42.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=6.4km az=139.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=8.6km az=217.0.
ISC X 29 18 02 16.9–5.1 30.3N–.10 67.5E–.20 14–32 3.7b 19 14-83
IDC X 29 18 02 14.5–1.1 30.21N 67.48E 0 3.8,3.8 **¶12071509**
ISCJB X 29 18 02 15.9–5.3 30.3N–.10 67.5E–.20 19–38 3.7b,3.8
NEIC X 29 18 02 16.1–.96 30.25N 67.49E 10 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=22.4km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=34.8km s-min=15.0km az=21.0.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=14.9km az=107.0.
ISC X 29 18 06 23.8–2.0 30.30N–.04 67.59E–.04 7–12 4.4b,3.3s 177 4-83
IDC X 29 18 06 23.4–.73 30.32N 67.47E 0 4.2,4.1 **¶12071510**
NEIC X 29 18 06 24.2–.45 30.30N 67.50E 10 4.8b,4.1
MOS X 29 18 06 25.5–1.8 30.23N 67.57E 33 4.7b,4.1
BJI X 29 18 06 26.3 30.60N 67.72E 13 4.9b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=14.1km az=31.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.2km az=186.0.
MOS Error ellipse: s-maj=14.3km s-min=9.6km az=119.5.
IDC X 29 18 29 17.8–2.0 30.57N 67.03E 0 3.5,3.5
¶12071514
IDC Error ellipse: s-maj=54.4km s-min=29.5km az=148.0.
ISC X 29 18 42 46.4–.96 30.4N–.10 67.5E–.20 10 3.6b 20 4-83
ISCJB X 29 18 42 44.6–.96 30.4N–.10 67.5E–.20 10 3.6b **¶12071516**
IDC X 29 18 42 44.6–1.1 30.25N 67.47E 0 3.8,3.7
NEIC X 29 18 42 46.3–1.1 30.35N 67.51E 10 3.6b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.1km s-min=14.4km az=15.2.
IDC Error ellipse: s-maj=29.6km s-min=23.9km az=107.0.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=15.4km az=105.0.
ISC X 29 19 08 56.1–3.8 30.40N–.09 67.7E–.10 11–24 3.7b 22 4-83
IDC X 29 19 08 54.0–.99 30.29N 67.52E 0 3.9,3.8 **¶12071520**
ISCJB X 29 19 08 55.8–3.8 30.47N–.10 67.7E–.20 17–27 3.7b,3.8
NEIC X 29 19 08 57.2–4.0 30.46N 67.63E 10 3.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=19.6km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=24.2km s-min=15.6km az=19.3.
NEIC Event type se. Error ellipse: s-maj=53.6km s-min=32.2km az=163.0.
ISC X 29 20 08 46.6–3.6 30.52N–.06 67.51E–.10 1–22 4.0b 51 13-83
ISCJB X 29 20 08 46.5–3.1 30.58N–.06 67.59E–.09 9–20 3.9b **¶12071529**
IDC X 29 20 08 46.3–1.2 30.48N 67.34E 0 4.1,3.9b
NEIC X 29 20 08 47.9–.81 30.50N 67.53E 10 4.4b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=8.6km az=147.1.
IDC Error ellipse: s-maj=32.5km s-min=18.9km az=65.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=6.6km az=47.0.
ISC X 29 21 20 20.8–1.0 30.17N–.09 67.5E–.20 10 3.3b 16 5-81
ISCJB X 29 21 20 18.9–1.0 30.17N–.09 67.6E–.20 10 3.3b **¶12071548**
IDC X 29 21 20 19.2–.84 30.11N 67.51E 0 3.4,3.3
NEIC X 29 21 20 20.8–.99 30.19N 67.54E 10 3.6b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=11.9km az=10.9.
IDC Error ellipse: s-maj=24.5km s-min=18.1km az=99.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=14.1km az=102.0.
ISC X 29 21 43 37.0–1.2 30.2N–.10 67.3E–.20 10 3.7b 16 5-63
ISCJB X 29 21 43 34.8–1.1 30.2N–.10 67.3E–.20 10 3.7b **¶12071550**
IDC X 29 21 43 34.9–9.6 30.06N 67.45E 0 3.3,3.3
NEIC X 29 21 43 37.2–1.3 30.24N 67.29E 10 3.4b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=28.5km s-min=13.4km az=23.5.
IDC Error ellipse: s-maj=312.4km s-min=31.9km az=139.0.
NEIC Event type se. Error ellipse: s-maj=28.3km s-min=17.1km az=126.0.
ISC X 29 21 44 15.7–2.5 30.6N–.30 67.2E–.20 10 3.6b 15 13-62
ISCJB X 29 21 44 13.0–2.6 30.5N–.30 67.4E–.20 10 3.6b **¶12071551**
IDC X 29 21 44 15.6–9.2 30.63N 67.10E 0 3.3L,3.2b
NEIC X 29 21 44 17.0–2.0 30.71N 67.09E 10 3.7b,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=51.8km s-min=13.7km az=148.1.
IDC Error ellipse: s-maj=309.5km s-min=27.3km az=140.0.
NEIC Event type se. Error ellipse: s-maj=41.8km s-min=12.2km az=149.0.
ISC X 29 21 48 13.5–1.4 29.9N–.10 68.0E–.20 10 3.3b 15 5-63
ISCJB X 29 21 48 11.5–1.4 29.9N–.10 68.0E–.20 10 3.3b **¶12071554**
NEIC X 29 21 48 13.3–1.2 29.91N 67.96E 10 3.7b
IDC X 29 21 48 13.5–4.8 30.08N 67.67E 0 3.3,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=26.1km s-min=19.5km az=31.2.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=17.3km az=121.0.
IDC Error ellipse: s-maj=140.6km s-min=26.8km az=136.0.
ISC X 29 21 49 41.2–.46 30.28N–.05 67.65E–.06 10 3.9b 67 4-83
ISCJB X 29 21 49 39.5–.46 30.31N–.05 67.66E–.06 10 3.9b **¶12071556**
IDC X 29 21 49 40.0–.77 30.31N 67.50E 0 3.9,3.8
NEIC X 29 21 49 41.0–.48 30.25N 67.65E 10 4.4b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=5.7km az=36.1.
IDC Error ellipse: s-maj=19.8km s-min=15.7km az=24.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.9km az=210.0.
IDC X 29 21 52 37.3–9.4 30.12N 67.57E 0 3.4,3.4
¶12071557
IDC Error ellipse: s-maj=310.9km s-min=29.3km az=140.0.
IDC X 29 22 47 32.2–1.2 30.21N 67.52E 0 3.7,3.6s
¶12071563
IDC Error ellipse: s-maj=34.3km s-min=27.4km az=97.0.
IDC X 29 22 52 05.6–4.6 30.54N 67.42E 0 3.4b,3.4
¶12071565
IDC Error ellipse: s-maj=133.3km s-min=30.0km az=137.0.
ISC X 30 00 15 21.0–.73 30.24N–.06 67.4E–.10 10 3.8b 32 5-83
ISCJB X 30 00 15 19.4–.73 30.28N–.07 67.5E–.10 10 3.8b **¶12071580**
IDC X 30 00 15 19.4–1.0 30.16N 67.32E 0 3.9,3.8b
NEIC X 30 00 15 21.2–.71 30.26N 67.45E 10 4.0b,3.8b

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=9.2km az=12.0.
IDC Error ellipse: s-maj=28.7km s-min=22.4km az=94.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=10.2km az=90.0.
ISC X 30 04 19 34.5–2.2 29.8N–.20 67.9E–.30 10 3.9b 20 5-63
NEIC X 30 04 19 34.4–2.5 29.77N 67.85E 10 3.7b **¶12071589**
IDC X 30 04 19 36.2–3.9 30.26N 67.36E 0 3.9,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=51.2km s-min=19.2km az=135.0.
IDC Error ellipse: s-maj=105.0km s-min=23.8km az=137.0.
ISC X 30 05 14 09.9–2.0 30.51N–.08 70.4E–.20 10 16 3-14
¶15670497
ISC X 30 05 40 14.4–.72 30.52N–.06 67.64E–.07 10 3.9b 58 4-83
ISCJB X 30 05 40 12.4–.74 30.55N–.07 67.63E–.08 10 3.9b **¶11472853**
NEIC X 30 05 40 14.7–.97 30.50N 67.70E 10 3.9b
IDC X 30 05 40 14.7–.85 30.70N 67.29E 0 4.0,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=6.6km az=43.4.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.1km az=44.0.
IDC Error ellipse: s-maj=21.6km s-min=18.7km az=62.0.
ISC X 30 07 16 19.6–.98 30.33N–.03 67.55E–.02 7–6 4.6b,3.9s 351 4-120
ISCJB X 30 07 16 17.8–.18 30.27N–.03 67.55E–.02 10 4.6b,3.9s **¶11379108**
IDC X 30 07 16 18.6–.51 30.37N 67.40E 0 4.5,4.5
NEIC X 30 07 16 19.4–.28 30.28N 67.56E 10 4.9b,4.5
BJI X 30 07 16 19.4 30.55N 67.19E 25 4.8b,4.7b
MOS X 30 07 16 22.2–.99 30.47N 67.50E 33 4.8b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.0km s-min=2.6km az=14.3.
IDC Error ellipse: s-maj=14.1km s-min=11.5km az=11.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.1km az=191.0.
MOS Error ellipse: s-maj=6.8km s-min=4.5km az=106.5.
ISC X 30 08 00 53.6–1.2 30.8N–.10 67.8E–.20 10 3.6b 20 4-83
ISCJB X 30 08 00 51.8–1.2 30.9N–.10 67.7E–.20 10 3.6b **¶12071602**
IDC X 30 08 00 52.2–1.3 30.86N 67.66E 0 3.8,3.7
NEIC X 30 08 00 53.5–1.1 30.84N 67.70E 10 3.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=16.5km az=34.7.
IDC Error ellipse: s-maj=31.5km s-min=23.7km az=115.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=17.4km az=119.0.
IDC X 30 08 01 04.9–1.1 30.29N 67.37E 0 3.9,3.8
¶12071603
IDC Error ellipse: s-maj=29.8km s-min=22.8km az=101.0.
IDC X 30 08 29 19.6–1.2 30.23N 67.67E 0 3.5,3.4b
¶12071604
IDC Error ellipse: s-maj=37.7km s-min=31.1km az=149.0.
ISC X 30 10 05 21.4–.40 30.45N–.03 67.49E–.05 10 4.1b,3.4s 96 4-87
ISCJB X 30 10 05 19.5–.40 30.47N–.04 67.52E–.05 10 4.1b,3.4s **¶11472856**
IDC X 30 10 05 20.4–.81 30.50N 67.31E 0 4.2,4.1
NEIC X 30 10 05 21.1–.57 30.40N 67.51E 10 4.5b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.2km az=148.1.
IDC Error ellipse: s-maj=20.4km s-min=15.2km az=28.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.4km az=38.0.
ISC X 30 10 16 54.6–4.8 30.4N–.10 67.5E–.20 28–34 3.6b 21 4-83
IDC X 30 10 16 50.1–1.1 30.29N 67.51E 0 3.7,3.6b **¶12071611**
NEIC X 30 10 16 51.6–1.0 30.24N 67.52E 10 3.4b,3.6b
ISCJB X 30 10 16 53.2–3.9 30.4N–.10 67.5E–.20 33–35 3.6b,3.6b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
IDC X 30 11 03 10.3–1.6 30.40N 67.54E 0 3.7b,3.7
¶12071614
IDC Error ellipse: s-maj=39.7km s-min=28.6km az=118.0.
ISC X 30 15 32 13.1–.92 30.5N–.10 67.7E–.20 10 3.7b 14 11-87
ISCJB X 30 15 32 11.5–.92 30.5N–.10 67.7E–.20 10 3.7b **¶12071635**
IDC X 30 15 32 11.4–1.1 30.42N 67.62E 0 4.0,3.9
ISCJB Error ellipse: s-maj=23.4km s-min=16.1km az=16.5.
IDC Error ellipse: s-maj=30.5km s-min=21.7km az=93.0.
ISC X 30 17 30 21.9–3.6 30.44N–.07 67.8E–.10 8–25 3.6b 43 4-83
IDC X 30 17 30 19.7–1.5 30.30N 67.57E 0 3.8,3.7 **¶12071644**
ISCJB X 30 17 30 21.3–3.1 30.56N–.08 67.9E–.10 7–22 3.6b,3.7
NEIC X 30 17 30 21.2–1.2 30.36N 67.64E 10 3.8b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=26.2km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=19.7km s-min=8.8km az=147.2.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=16.0km az=117.0.
ISC X 30 17 34 02.5–.77 30.41N–.07 67.71E–.08 10 3.7b 51 4-83
IDC X 30 17 34 00.7–1.1 30.40N 67.48E 0 3.9,3.8b **¶12071645**
ISCJB X 30 17 34 01.2–.82 30.47N–.07 67.76E–.09 10 3.7b,3.8b
NEIC X 30 17 34 02.5–.66 30.47N 67.50E 10 3.8b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=20.9km az=71.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=6.7km az=137.9.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.2km az=87.0.
IDC X 30 17 52 28.0–4.2 30.57N 68.01E 0 3.5,3.5
¶12071650
IDC Error ellipse: s-maj=129.0km s-min=31.9km az=85.0.
ISC X 30 18 24 04.2–2.5 30.3N–.10 69.1E–.50 10 3.2b 13 4-82
IDC X 30 18 24 01.1–8.2 30.33N 68.65E 0 3.4,3.3b **¶12071652**
ISCJB X 30 18 24 03.4–2.5 30.4N–.10 69.3E–.50 10 3.1b,3.3b
NEIC X 30 18 24 03.9–2.3 30.34N 68.96E 10 3.1b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=274.8km s-min=33.3km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=63.1km s-min=19.9km az=173.0.
NEIC Event type se. Error ellipse: s-maj=63.2km s-min=17.4km az=85.0.
ISC X 30 20 53 02.9–.64 30.42N–.06 67.77E–.07 10 4.0b 58 7-87
ISCJB X 30 20 53 01.8–.71 30.47N–.06 67.87E–.08 10 4.0b **¶12071666**
IDC X 30 20 53 01.1–.91 30.37N 67.55E 0 4.1,4.0
NEIC X 30 20 53 02.7–.66 30.38N 67.55E 10 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.4km s-min=5.5km az=139.2.
IDC Error ellipse: s-maj=22.0km s-min=18.0km az=69.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.6km az=51.0.
ISC X 30 21 10 41.2–.96 30.26N–.09 67.3E–.20 10 3.4b 19 5-83
ISCJB X 30 21 10 39.4–.95 30.26N–.09 67.3E–.20 10 3.4b **¶12071669**
IDC X 30 21 10 39.5–1.3 30.19N 67.30E 0 3.7,3.6
NEIC X 30 21 10 43.0–2.8 30.44N 67.35E 10 3.6b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=22.7km s-min=13.1km az=5.5.
IDC Error ellipse: s-maj=31.8km s-min=25.7km az=83.0.
NEIC Event type se. Error ellipse: s-maj=50.0km s-min=20.7km az=74.0.
ISC X 30 22 35 01.0–1.8 30.32N–.04 67.66E–.04 9–12 4.0b,3.4s 78 4-120
IDC X 30 22 35 00.4–1.1 30.38N 67.47E 0 4.2,4.1 **¶11395449**
NEIC X 30 22 35 01.0–.65 30.27N 67.65E 10 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=19.1km az=156.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.3km az=218.0.
IDC X 30 22 38 56.6–10 28.77N 68.69E 0 3.4b,3.4
¶12071680
IDC Error ellipse: s-maj=336.9km s-min=28.6km az=138.0.
ISC X 30 23 51 07.2–.86 30.48N–.08 67.2E–.10 10 3.7b 21 4-84
ISCJB X 30 23 51 05.2–.86 30.50N–.08 67.14E–.09 10 3.7b **¶12071692**
IDC X 30 23 51 06.0–1.1 30.42N 67.27E 0 3.8,3.7b
NEIC X 30 23 51 07.3–.88 30.50N 67.35E 10 3.5b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=10.6km az=167.3.
IDC Error ellipse: s-maj=31.3km s-min=27.5km az=72.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=14.0km az=101.0.
IDC X 31 00 25 43.9–33 28.86N 68.67E 0 3.7,3.7
¶12071696
IDC Error ellipse: s-maj=1121.0km s-min=30.0km az=140.0.

ISC	**X**	**31 00 56 52.5–1.1**	**30.4N–.10**	**67.4E–.10**	**10**	**3.7b**	**24**	**4-63**
ISCJB	X	31 00 56 50.1–1.1	30.4N–.10	67.4E–.10	10	3.7b		¶12071698
IDC	X	31 00 56 51.2–3.4	30.42N	67.30E	0	3.8,3.7		
NEIC	X	31 00 56 52.8–1.1	30.47N	67.36E	10	3.7b,3.7		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=18.7km s-min=12.2km az=33.2.							
IDC	Error ellipse: s-maj=78.1km s-min=27.9km az=140.0.							
NEIC	Event type se. Error ellipse: s-maj=16.7km s-min=12.9km az=140.0.							
ISC	**X**	**31 03 46 39.7–.75**	**30.39N–.06**	**67.50E–.08**	**10**	**3.8b,3.0s**	**45**	**4-83**
ISCJB	X	31 03 46 38.3–.80	30.45N–.06	67.56E–.09	10	3.8b,3.0s		¶12071707
IDC	X	31 03 46 38.1–1.1	30.39N	67.29E	0	4.0,3.9		
NEIC	X	31 03 46 39.5–.81	30.36N	67.55E	10	3.9b,3.9		
DMN	X	31 03 49 46.1–1.5	28.18N	82.88E	30–0	3.9b,3.9		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=12.1km s-min=7.9km az=151.6.							
IDC	Error ellipse: s-maj=27.8km s-min=20.6km az=98.0.							
NEIC	Event type se. Error ellipse: s-maj=12.6km s-min=8.4km az=57.0.							
DMN	Event type ke. Error ellipse: s-maj=39.9km s-min=6.0km az=99.0.							
ISC	**X**	**31 07 46 08.0–.47**	**30.32N–.04**	**67.54E–.05**	**10**	**4.0b,3.4s**	**67**	**4-99**
ISCJB	X	31 07 46 06.2–.47	30.34N–.05	67.57E–.05	10	4.0b,3.4s		¶12071716
IDC	X	31 07 46 06.9–1.0	30.39N	67.44E	0	4.1,4.0		
NEIC	X	31 07 46 09.0–.79	30.42N	67.66E	10	4.4b,4.0		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=6.9km s-min=5.2km az=30.0.							
IDC	Error ellipse: s-maj=25.7km s-min=20.0km az=81.0.							
NEIC	Event type se. Error ellipse: s-maj=13.3km s-min=7.6km az=58.0.							
ISC	**X**	**31 07 49 50.1–.95**	**30.33N–.10**	**67.7E–.20**	**10**	**3.9b**	**23**	**4-83**
ISCJB	X	31 07 49 48.5–.94	30.3N–.10	67.7E–.20	10	3.9b		¶12071717
IDC	X	31 07 49 48.5–1.1	30.32N	67.66E	0	4.0,3.9b		
NEIC	X	31 07 49 50.1–.75	30.30N	67.69E	10	3.8b,3.9b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=21.5km s-min=14.4km az=12.3.							
IDC	Error ellipse: s-maj=29.3km s-min=22.3km az=98.0.							
NEIC	Event type se. Error ellipse: s-maj=17.4km s-min=11.4km az=103.0.							
ISC	**X**	**31 10 02 16.1–1.6**	**30.29N–.04**	**67.69E–.04**	**33–13**	**4.0b,3.3s**	**81**	**4-88**
IDC	X	31 10 02 11.6–.84	30.35N	67.55E	0	4.2,4.0		¶12071722
NEIC	X	31 10 02 12.9–.66	30.28N	67.69E	10	4.5b,4.0		
ISCJB	X	31 10 02 16.1–1.1	30.34N–.04	67.82E–.06	50–11	4.0b,3.3s		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							
NEIC	**X**	**31 10 51 21.9–2.2**	**30.01N**	**67.81E**	**10**	**3.5b**		
IDC	X	31 10 51 24.5–5.3	30.56N	67.18E	0	3.7,3.7b		¶12071724
NEIC	Event type se. Error ellipse: s-maj=46.9km s-min=18.4km az=137.0.							
IDC	Error ellipse: s-maj=171.9km s-min=24.3km az=137.0.							
IDC	**X**	**31 11 54 41.3–1.2**	**30.37N**	**67.48E**	**0**	**3.8,3.7**		
								¶12071729
IDC	Error ellipse: s-maj=35.7km s-min=25.0km az=107.0.							
ISC	**X**	**31 23 59 52.3–.95**	**30.46N–.02**	**67.51E–.02**	**8–6**	**5.0b,4.7s**	**572**	**4-145**
SZGRF	X	31 23 59 32.9	27.85N	68.48E	0	5.4b,4.7s		¶13398803
ISCJB	X	31 23 59 50.6–.14	30.45N–.02	67.54E–.02	10	5.0b,4.7s		
IDC	X	31 23 59 51.0–.49	30.48N	67.45E	0	4.8,4.7		
NEIC	X	31 23 59 52.9–.21	30.54N	67.44E	10	5.1b,4.7		
BJI	X	31 23 59 53.4	30.79N	67.76E	6	5.1s,5.0b		
MOS	X	31 23 59 54.7–1.2	30.60N	67.45E	33	5.3b,4.6s		
DJA	X	31 23 59 59	30.65N	67.57E	32	5.0b,4.6s		
ISC	Event type fe.							
SZGRF	Pakistan.							
ISCJB	Event type fe. Error ellipse: s-maj=3.3km s-min=2.0km az=11.6.							
IDC	Error ellipse: s-maj=13.1km s-min=10.1km az=175.0.							
NEIC	Event type fe. Error ellipse: s-maj=5.2km s-min=3.7km az=182.0. Felt in the Quetta area.							
MOS	Error ellipse: s-maj=5.7km s-min=3.8km az=112.9.							
ISC	**XI**	**01 14 55 25.6–1.2**	**30.46N–.03**	**67.58E–.03**	**6–7**	**4.4b,3.7s**	**218**	**4-120**
ISCJB	XI	01 14 55 22.7–1.1	30.44N–.03	67.61E–.03	2–7	4.4b,3.7s		¶11380772
IDC	XI	01 14 55 24.6–.57	30.42N	67.48E	0	4.2,4.1		
NEIC	XI	01 14 55 25.8–.31	30.46N	67.66E	10	4.6b,4.1		
BJI	XI	01 14 55 25.6	30.56N	67.61E	11	4.6b,4.6b		
MOS	XI	01 14 55 28.2–1.1	30.57N	67.58E	33	4.7b,4.6b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.4km s-min=3.9km az=24.7.							
IDC	Error ellipse: s-maj=14.6km s-min=13.8km az=43.0.							
NEIC	Event type se. Error ellipse: s-maj=6.4km s-min=5.1km az=187.0.							
MOS	Error ellipse: s-maj=8.9km s-min=5.3km az=84.7.							
IDC	**XI**	**01 16 00 21.2–38**	**28.72N**	**69.14E**	**0**	**3.7b,3.7**		
								¶12071868
IDC	Error ellipse: s-maj=1285.0km s-min=32.5km az=140.0.							
ISC	**XI**	**01 20 21 06.4–.60**	**30.41N–.05**	**67.69E–.07**	**10**	**3.9b,3.1s**	**96**	**4-83**
IDC	XI	01 20 21 04.5–.87	30.32N	67.50E	0	4.0,3.8		¶12071900
ISCJB	XI	01 20 21 05.4–.65	30.49N–.05	67.78E–.07	10	3.9b,3.1s		
NEIC	XI	01 20 21 06.5–.83	30.40N	67.70E	10	4.5b,3.1s		
MOS	XI	01 20 21 09.4–1.2	30.61N	67.85E	33	4.1b,3.1s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=21.1km s-min=18.2km az=56.0.							
ISCJB	Event type se. Error ellipse: s-maj=10.4km s-min=5.9km az=145.5.							
NEIC	Event type se. Error ellipse: s-maj=14.3km s-min=7.8km az=47.0.							
MOS	Error ellipse: s-maj=12.6km s-min=7.2km az=72.7.							
IDC	**XI**	**02 01 00 13.1–38**	**28.27N**	**69.35E**	**0**	**3.5,3.5**		
								¶12071933
IDC	Error ellipse: s-maj=1246.0km s-min=34.7km az=139.0.							
ISC	**XI**	**02 03 42 47.1–2.2**	**30.4N–.20**	**67.4E–.30**	**35**	**3.5b**	**16**	**4-63**
IDC	XI	02 03 42 31.1–36	28.33N	69.26E	0	3.6,3.6		¶12071943
NEIC	XI	02 03 42 39.6–2.4	29.92N	67.91E	10	3.5b,3.6		
ISC	Event type se.							
IDC	Error ellipse: s-maj=1194.0km s-min=32.1km az=139.0.							
NEIC	Event type se. Error ellipse: s-maj=51.0km s-min=19.1km az=136.0.							
ISC	**XI**	**02 08 55 14.9–3.8**	**30.35N–.08**	**67.48E–.07**	**28–27**	**3.8b,3.2s**	**31**	**4-83**
IDC	XI	02 08 55 10.3–1.1	30.29N	67.32E	0	4.0,3.9		¶12071971
NEIC	XI	02 08 55 11.9–.90	30.27N	67.44E	10	3.4b,3.9		
ISCJB	XI	02 08 55 12.0–3.4	30.42N–.08	67.59E–.08	15–22	3.8b,3.2s		
ISC	Event type se.							
NEIC	Event type se.							
ISCJB	Event type se.							
IDC	**XI**	**02 10 56 36.3–3.9**	**30.41N**	**67.84E**	**0**	**3.8,3.7**		
								¶12071977
IDC	Error ellipse: s-maj=124.3km s-min=25.8km az=84.0.							
ISC	**XI**	**03 13 37 25.2–.87**	**30.42N–.08**	**67.6E–.10**	**10**	**3.7b**	**28**	**4-83**
ISCJB	XI	03 13 37 23.4–.87	30.45N–.08	67.6E–.10	10	3.7b		¶12072130
IDC	XI	03 13 37 23.3–1.1	30.38N	67.53E	0	3.9,3.8		
NEIC	XI	03 13 37 24.8–1.0	30.27N	67.48E	10	3.4b,3.8		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=17.1km s-min=12.2km az=176.2.							
IDC	Error ellipse: s-maj=27.4km s-min=21.1km az=81.0.							
NEIC	Event type se. Error ellipse: s-maj=22.1km s-min=15.4km az=76.0.							
ISC	**XI**	**03 16 08 15.5–.17**	**30.41N–.02**	**67.76E–.02**	**10**	**4.5b,4.1s**	**372**	**4-145**
ISCJB	XI	03 16 08 13.3–.18	30.38N–.03	67.73E–.02	10	4.5b,4.1s		¶13399114
IDC	XI	03 16 08 14.0–.61	30.39N	67.66E	0	4.5,4.5		
NEIC	XI	03 16 08 14.8–.33	30.40N	67.67E	10	4.7b,4.5		
TEH	XI	03 16 08 16.0	30.64N	67.94E	12	4.7b,4.5		
NNC	XI	03 16 08 16.9–2.2	30.69N	67.72E	0	4.3b,4.5		
MOS	XI	03 16 08 17.4–1.6	30.52N	67.77E	33	4.8b,4.5		
BJI	XI	03 16 08 17.0	30.69N	67.72E	19	5.0b,4.7b		
GCMT	XI	03 16 08 18.3–.40	30.31N	67.63E	20–1	4.9W,4.7b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=3.7km s-min=2.5km az=13.9.							
IDC	Error ellipse: s-maj=16.1km s-min=12.0km az=9.0.							
NEIC	Event type se. Error ellipse: s-maj=7.7km s-min=4.8km az=195.0.							
NNC	Error ellipse: s-maj=33.7km s-min=20.9km az=136.0.							
MOS	Error ellipse: s-maj=6.3km s-min=4.5km az=102.2.							
GCMT	Event type se. Data Used: IU II CN G IC. Moment Tensor Solution. s24,c30; s58,c87; Moment tensor: Scale 10^{16}Nm; M_{rr}2.66±.22 $M_{\theta\theta}$-3.27±.14; $M_{\phi\phi}$0.61±.13; $M_{r\theta}$0.38±.21; $M_{\theta\phi}$0.20±.10; $M_{\phi r}$0.43±.30; Best double couple: NP1:ϕ_s285.00000°,δ43.00000°,λ108.00000°. NP2:ϕ_s82.00000°,δ50.00000°,λ74.00000°. Principal axes: T 2.7800,Plg78.0000°,Azm289.0000°; N 0.5300,Plg12.0000°,Azm92.0000°; P -3.3000,Plg3.0000°,Azm183.0000°							
								$M_0$3.00000×10^{16}
ISC	**XI**	**03 21 05 39.9–3.1**	**30.3N–.20**	**67.7E–.10**	**46–26**	**3.6b**	**20**	**4-63**
NEIC	XI	03 21 05 34.9–1.0	30.18N	67.62E	10	3.6b		¶12072171
ISCJB	XI	03 21 05 35.5–1.0	30.1N–.10	67.7E–.10	33	3.6b		
IDC	XI	03 21 05 36.4–4.0	30.60N	67.36E	0	3.6b,3.6		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=18.7km s-min=12.3km az=145.0.							
ISCJB	Event type se. Error ellipse: s-maj=19.2km s-min=12.0km az=31.8.							
IDC	Error ellipse: s-maj=118.2km s-min=24.7km az=135.0.							
ISC	**XI**	**04 04 19 53.1–3.5**	**30.6N–.20**	**68.2E–.30**	**66–24**	**3.8b**	**51**	**4-83**
IDC	XI	04 04 19 42.6–1.0	30.36N	67.48E	0	4.0,3.9		¶11472929
NEIC	XI	04 04 19 43.5–1.1	30.26N	67.69E	10	4.3b,3.9		
ISCJB	XI	04 04 19 47.9–4.9	30.5N–.20	68.0E–.30	39–36	3.8b,3.5s		
MOS	XI	04 04 19 47.5–1.0	30.51N	67.93E	37	4.3b,3.5s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=27.7km s-min=23.3km az=103.0.							
NEIC	Event type se. Error ellipse: s-maj=18.2km s-min=11.1km az=49.0.							
ISCJB	Event type se. Error ellipse: s-maj=48.5km s-min=11.6km az=150.6.							
MOS	Error ellipse: s-maj=18.8km s-min=10.0km az=72.7.							
ISC	**XI**	**04 23 27 55.0–2.8**	**30.60N–.09**	**67.2E–.10**	**8–17**	**3.4b**	**28**	**4-84**
IDC	XI	04 23 27 53.9–1.3	30.56N	67.14E	0	3.5,3.5		¶12072312
NEIC	XI	04 23 27 55.1–.72	30.67N	67.02E	10	3.5b,3.5		
ISC	Event type se.							
IDC	Error ellipse: s-maj=34.6km s-min=24.6km az=98.0.							
NEIC	Event type se. Error ellipse: s-maj=16.7km s-min=10.3km az=108.0.							
ISC	**XI**	**05 08 21 11.0–1.2**	**30.38N–.03**	**67.72E–.03**	**20–9**	**4.6b,3.8s**	**227**	**4-120**
IDC	XI	05 08 21 07.5–.64	30.36N	67.55E	0	4.5,4.4		¶11395608
ISCJB	XI	05 08 21 08.3–1.5	30.40N–.03	67.70E–.03	15–10	4.6b,3.8s		
NEIC	XI	05 08 21 09.2–.27	30.38N	67.67E	10	4.9b,3.8s		
MOS	XI	05 08 21 11.5–1.1	30.43N	67.68E	37	4.9b,3.8s		
BJI	XI	05 08 21 13.5	30.78N	67.98E	5	4.9b,4.6b		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=16.1km s-min=14.3km az=27.0.							
ISCJB	Event type fe. Error ellipse: s-maj=5.5km s-min=4.3km az=4.3.							
NEIC	Event type fe. Error ellipse: s-maj=6.5km s-min=3.8km az=19.0. Felt at Sohbatpur.							
MOS	Error ellipse: s-maj=7.7km s-min=5.4km az=98.2.							
ISC	**XI**	**05 12 58 36.7–.93**	**30.29N–.08**	**67.6E–.10**	**10**	**3.5b,2.9s**	**37**	**4-83**
IDC	XI	05 12 58 35.2–1.0	30.30N	67.30E	0	3.9,3.8		¶12072403
NEIC	XI	05 12 58 36.7–.87	30.28N	67.60E	10	3.9b,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=31.2km s-min=23.0km az=119.0.							
NEIC	Event type se. Error ellipse: s-maj=14.4km s-min=8.6km az=50.0.							
ISC	**XI**	**05 13 11 27.0–.58**	**30.29N–.05**	**67.59E–.05**	**10**	**3.9b,3.4s**	**91**	**4-81**
ISCJB	XI	05 13 11 25.2–.62	30.30N–.05	67.63E–.05	10	3.9b,3.4s		¶13399310
IDC	XI	05 13 11 25.2–1.2	30.30N	67.43E	0	4.1,3.9		
NEIC	XI	05 13 11 26.4–.85	30.28N	67.55E	10	4.5b,3.9		
MOS	XI	05 13 11 30.6–.95	30.54N	67.82E	33	4.3b,3.9		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=8.9km s-min=4.8km az=35.1.							
IDC	Error ellipse: s-maj=25.9km s-min=21.1km az=149.0.							
NEIC	Event type se. Error ellipse: s-maj=14.7km s-min=7.5km az=39.0.							
MOS	Error ellipse: s-maj=15.7km s-min=8.3km az=73.7.							
ISC	**XI**	**05 21 58 37.7–1.4**	**30.39N–.03**	**67.68E–.03**	**7–9**	**4.2b,3.8s**	**226**	**4-93**
ISCJB	XI	05 21 58 35.2–1.3	30.38N–.03	67.70E–.03	3–8	4.2b,3.8s		¶11472951
NNC	XI	05 21 58 36.6–2.6	30.47N	67.45E	0	4.0b,3.8s		
IDC	XI	05 21 58 36.2–.73	30.42N	67.43E	0	4.2,4.1		
NEIC	XI	05 21 58 37.2–.38	30.33N	67.76E	10	4.6b,4.1		
MOS	XI	05 21 58 41.4–1.1	30.60N	67.75E	38	4.6b,4.1		
BJI	XI	05 21 58 45.8	30.79N	68.54E	10	4.7b,4.4b		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=5.4km s-min=4.0km az=17.9.							
NNC	Error ellipse: s-maj=34.7km s-min=24.9km az=171.0.							
IDC	Error ellipse: s-maj=17.6km s-min=14.2km az=14.0.							
NEIC	Event type se. Error ellipse: s-maj=8.8km s-min=4.4km az=17.0.							
MOS	Error ellipse: s-maj=9.2km s-min=5.9km az=107.4.							
IDC	**XI**	**06 00 33 03.0–32**	**29.10N**	**68.68E**	**0**	**3.6,3.6**		
								¶12072477
IDC	Error ellipse: s-maj=1081.0km s-min=32.9km az=140.0.							
ISC	**XI**	**06 02 07 37.6–1.8**	**30.36N–.05**	**67.57E–.04**	**22–13**	**4.0b**	**143**	**4-87**
IDC	XI	06 02 07 34.5–.90	30.37N	67.50E	0	4.1,4.0		¶12072485
NEIC	XI	06 02 07 35.3–.35	30.30N	67.60E	10	4.4b,4.0		
ISCJB	XI	06 02 07 37.0–1.8	30.40N–.05	67.63E–.04	32–14	4.0b,4.0		
MOS	XI	06 02 07 37.7–1.1	30.45N	67.56E	33	4.2b,4.0		
ISC	Event type se.							
IDC	Error ellipse: s-maj=20.6km s-min=15.8km az=176.0.							
NEIC	Event type se. Error ellipse: s-maj=7.8km s-min=4.4km az=197.0.							
ISCJB	Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=14.5.							
MOS	Error ellipse: s-maj=10.2km s-min=7.5km az=94.4.							
ISC	**XI**	**06 06 23 04.1–.97**	**30.30N–.09**	**67.7E–.10**	**10**	**3.6b**	**27**	**4-83**
ISCJB	XI	06 06 23 02.8–1.1	30.33N–.09	67.8E–.10	10	3.6b		¶11472956
IDC	XI	06 06 23 02.6–1.2	30.30N	67.49E	0	3.8,3.7		
NEIC	XI	06 06 23 04.1–.90	30.28N	67.72E	10	3.4b,3.7		
ISC	Event type ke.							
ISCJB	Event type ke. Error ellipse: s-maj=18.6km s-min=11.4km az=152.0.							
IDC	Error ellipse: s-maj=34.8km s-min=25.2km az=113.0.							
NEIC	Event type se. Error ellipse: s-maj=15.5km s-min=10.9km az=65.0.							
ISC	**XI**	**07 07 59 31.4–2.5**	**30.26N–.06**	**67.67E–.07**	**22–18**	**3.8b**	**71**	**4-83**
IDC	XI	07 07 59 28.2–1.0	30.28N	67.55E	0	4.0,3.9		¶11472965
NEIC	XI	07 07 59 29.6–.78	30.25N	67.62E	10	4.0b,3.9		
ISCJB	XI	07 07 59 31.5–2.4	30.37N–.08	67.8E–.10	33–21	3.8b,3.9		
MOS	XI	07 07 59 33.0–.97	30.44N	67.82E	36	4.1b,3.9		
ISC	Event type se.							
IDC	Error ellipse: s-maj=25.6km s-min=19.5km az=68.0.							
NEIC	Event type se. Error ellipse: s-maj=13.5km s-min=7.5km az=49.0.							
ISCJB	Event type se. Error ellipse: s-maj=19.9km s-min=7.5km az=139.8.							
MOS	Error ellipse: s-maj=16.4km s-min=8.8km az=76.6.							
ISC	**XI**	**08 16 54 46.1–.33**	**30.39N–.05**	**67.59E–.04**	**10**	**4.0b,3.4s**	**43**	**4-83**
ISCJB	XI	08 16 54 44.0–.33	30.38N–.05	67.56E–.04	10	4.0b,3.4s		¶12072841
IDC	XI	08 16 54 44.7–.81	30.43N	67.34E	0	4.1,3.9		
OMAN	XI	08 16 56 00.1–99	26.66N	63.07E	10–0	4.1,3.9		
ISCJB	Error ellipse: s-maj=7.1km s-min=5.0km az=157.0.							
IDC	Error ellipse: s-maj=19.6km s-min=15.6km az=27.0.							
OMAN	Error ellipse: s-maj=977.6km s-min=32.5km az=233.0.							
ISC	**XI**	**09 00 46 25.5–4.0**	**30.29N–.09**	**67.7E–.20**	**32–29**	**3.7b**	**28**	**4-83**
IDC	XI	09 00 46 21.0–1.4	30.30N	67.73E	0	3.8b,3.8		¶12072896
NEIC	XI	09 00 46 22.1–1.0	30.21N	67.73E	10	3.6b,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=31.3km s-min=23.4km az=119.0.							
NEIC	Event type se. Error ellipse: s-maj=21.5km s-min=15.2km az=116.0.							
ISC	**XI**	**09 13 37 28.7–.94**	**30.32N–.10**	**67.4E–.20**	**10**	**4.3s,3.4b**	**25**	**4-83**
ISCJB	XI	09 13 37 27.1–.94	30.4N–.10	67.4E–.20	10	4.3s,3.4b		¶12072955
IDC	XI	09 13 37 27.0–1.1	30.23N	67.29E	0	4.2s,4.2		
NEIC	XI	09 13 37 28.4–1.1	30.25N	67.17E	10	4.2s,4.2		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=21.2km s-min=14.0km az=14.4.							
IDC	Error ellipse: s-maj=31.3km s-min=24.1km az=88.0.							
NEIC	Event type se. Error ellipse: s-maj=21.2km s-min=17.0km az=108.0.							
ISC	**XI**	**09 18 10 31.2–2.3**	**30.32N–.05**	**67.57E–.06**	**19–15**	**3.6b,3.3s**	**88**	**4-83**
IDC	XI	09 18 10 27.8–.93	30.27N	67.41E	0	3.9,3.7		¶11750341
NEIC	XI	09 18 10 29.4–.89	30.30N	67.57E	10	4.0b,3.7		
ISCJB	XI	09 18 10 31.7–2.6	30.41N–.06	67.71E–.07	32–18	3.6b,3.3s		
NNC	XI	09 18 10 31.7–5.0	30.54N	67.80E	0	3.6b,3.3s		
MOS	XI	09 18 10 33.9–1.4	30.60N	67.93E	33	4.1b,3.3s		
ISC	Event type se.							
IDC	Error ellipse: s-maj=24.2km s-min=19.2km az=56.0.							
NEIC	Event type se. Error ellipse: s-maj=16.0km s-min=9.7km az=45.0.							
ISCJB	Event type se. Error ellipse: s-maj=13.7km s-min=6.2km az=135.9.							
NNC	Error ellipse: s-maj=65.5km s-min=44.5km az=174.0.							
MOS	Error ellipse: s-maj=15.8km s-min=8.5km az=78.2.							
ISC	**XI**	**10 03 12 24.6–1.5**	**30.39N–.03**	**67.77E–.03**	**27–11**	**4.3b,4.3s**	**186**	**4-87**

IDC XI 10 03 12 20.5–.74 30.41N 67.67E 0 4.3,4.2 **¶11472993**
NEIC XI 10 03 12 22.3–.33 30.43N 67.76E 10 4.6b,4.2
NNC XI 10 03 12 22.0–2.4 30.53N 67.82E 0 4.2b,4.2
ISCJB XI 10 03 12 23.7–1.7 30.46N–.04 67.81E–.03 32–12 4.3b,4.3s
MOS XI 10 03 12 24.4–.87 30.50N 67.80E 33 4.6b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=14.5km az=23.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.1km az=202.0.
NNC Error ellipse: s-maj=33.2km s-min=22.1km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=4.5km az=28.7.
MOS Error ellipse: s-maj=9.3km s-min=6.0km az=101.4.
IDC XI 10 03 20 44.1–3.3 30.23N 67.73E 0 3.5,3.5
¶12073026
IDC Error ellipse: s-maj=85.8km s-min=27.4km az=138.0.
ISC XI 10 12 03 54.2–2.5 30.6N–.10 67.8E–.60 10 3.2b 14 4-83
NEIC XI 10 12 03 47.4–4.2 29.82N 68.36E 10 3.2b **¶12073065**
IDC XI 10 12 03 54.8–4.0 30.70N 68.40E 0 3.4L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=60.3km s-min=51.3km az=94.0.
IDC Error ellipse: s-maj=126.1km s-min=30.7km az=84.0.
ISC XI 10 21 47 31.7–1.0 30.2N–.10 67.7E–.20 10 3.6b 18 13-83
ISCJB XI 10 21 47 29.9–1.0 30.3N–.10 67.7E–.20 10 3.6b **¶12073110**
IDC XI 10 21 47 29.9–1.2 30.16N 67.70E 0 3.7,3.6b
NEIC XI 10 21 47 31.5–.68 30.21N 67.69E 10 3.6b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=17.0km az=28.8.
IDC Error ellipse: s-maj=35.8km s-min=29.4km az=134.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=11.1km az=120.0.
IDC XI 11 08 27 47.4–4.5 29.84N 67.81E 0 3.6,3.6
¶12073151
IDC Error ellipse: s-maj=122.9km s-min=29.7km az=140.0.
IDC XI 11 23 38 14.8–3.3 30.37N 67.22E 0 3.6,3.6
¶12073246
IDC Error ellipse: s-maj=85.2km s-min=27.6km az=139.0.
ISC XI 12 13 18 02.2–.95 30.33N–.10 67.6E–.20 10 3.6b 21 13-83
ISCJB XI 12 13 18 00.5–.96 30.4N–.10 67.6E–.20 10 3.6b **¶12073303**
IDC XI 12 13 18 00.5–1.1 30.33N 67.54E 0 3.8,3.6b
NEIC XI 12 13 18 02.1–.78 30.31N 67.58E 10 3.6b,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.6km s-min=14.5km az=6.7.
IDC Error ellipse: s-maj=29.9km s-min=24.3km az=91.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=11.7km az=100.0.
IDC XI 12 16 39 15.7–36 29.04N 68.78E 0 3.6,3.6
¶12073316
IDC Error ellipse: s-maj=1220.0km s-min=29.9km az=140.0.
ISC XI 12 17 18 03.1–4.6 30.44N–.09 67.52E–.08 17–29 3.7b,3.0s 26 4-83
IDC XI 12 17 18 00.1–1.1 30.32N 67.34E 0 3.8,3.7 **¶12073320**
NEIC XI 12 17 18 01.6–.98 30.35N 67.34E 10 4.0b,3.7
ISCJB XI 12 17 18 02.6–4.8 30.45N–.10 67.58E–.09 26–34 3.7b,3.0s
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 13 20 42 27.9–.40 30.32N–.05 67.62E–.04 10 4.0b,3.6s 112 4-93
ISCJB XI 13 20 42 26.0–.40 30.33N–.05 67.66E–.04 10 4.0b,3.6s **¶11528317**
IDC XI 13 20 42 26.6–.78 30.34N 67.40E 0 4.1,4.0
NEIC XI 13 20 42 28.1–.58 30.33N 67.37E 10 4.3b,4.0
MOS XI 13 20 42 30.6–1.4 30.53N 67.52E 33 4.4b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=3.9km az=27.9.
IDC Error ellipse: s-maj=21.0km s-min=14.6km az=19.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.0km az=188.0.
MOS Error ellipse: s-maj=11.9km s-min=7.2km az=84.0.
ISC XI 14 18 39 28.0–1.2 30.8N–.10 67.2E–.20 10 4.2s,3.6b 17 4-84
ISCJB XI 14 18 39 26.1–1.2 30.8N–.10 67.2E–.20 10 4.2s,3.6b **¶12073546**
IDC XI 14 18 39 26.3–1.4 30.64N 67.18E 0 4.1s,4.1
NEIC XI 14 18 39 27.8–1.4 30.78N 67.18E 10 3.6b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=32.7km s-min=15.7km az=30.1.
IDC Error ellipse: s-maj=44.0km s-min=31.6km az=132.0.
NEIC Event type se. Error ellipse: s-maj=39.8km s-min=19.2km az=120.0.
ISC XI 14 19 34 02.8–.89 30.58N–.09 67.5E–.10 10 3.9b 29 4-87
IDC XI 14 19 34 00.6–1.9 30.44N 67.50E 0 4.0,3.9b **¶12073548**
ISCJB XI 14 19 34 01.9–.94 30.68N–.09 67.7E–.10 10 3.9b,3.9b
NEIC XI 14 19 34 02.1–1.1 30.50N 67.54E 10 3.7b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=31.1km az=61.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=12.8km az=11.4.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=15.6km az=166.0.
ISC XI 14 19 35 37.2–4.4 30.44N–.08 67.5E–.20 8–28 3.8b 21 4-83
IDC XI 14 19 35 35.8–1.1 30.23N 67.51E 0 3.9,3.8 **¶12073549**
NEIC XI 14 19 35 37.3–1.3 30.35N 67.58E 10 3.6b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=27.2km az=124.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=17.8km az=96.0.
ISC XI 15 15 20 46.5–1.6 30.5N–.10 67.7E–.20 10 4.1s,3.8b 35 4-81
IDC XI 15 15 20 38.7–4.9 30.16N 66.32E 0 4.1s,4.1 **¶11473038**
NEIC XI 15 15 20 44.8–2.0 30.43N 67.20E 10 3.8b,4.1
ISCJB XI 15 15 20 45.4–1.5 30.6N–.10 67.8E–.20 10 4.1s,3.8b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 15 15 21 10.0–1.1 30.49N–.03 67.57E–.02 11–7 4.5b,4.3s 254 4-98
BJI XI 15 15 21 06.5 30.56N 66.70E 35 4.8b,4.7s **¶12073638**
ISCJB XI 15 15 21 07.6–.94 30.46N–.03 67.61E–.02 9–6 4.5b,4.3s
IDC XI 15 15 21 09.1–.70 30.58N 67.45E 0 4.4L,4.4
GCMT XI 15 15 21 11.5–.30 30.31N 67.56E 20–1 4.8W,4.4
NEIC XI 15 15 21 13.1–3.3 30.66N 67.55E 26–23 4.5b,4.4
MOS XI 15 15 21 13.0–1.2 30.70N 67.61E 37 4.7b,4.5s
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=15.7.
IDC Error ellipse: s-maj=20.1km s-min=13.0km az=18.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s23,c31; s63,c94; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.57±.10 $M_{\theta\theta}$-1.65±.08; $M_{\phi\phi}$2.22±.09; $M_{r\theta}$-0.44±.19; $M_{\theta\phi}$-1.20±.07; $M_{\phi r}$-0.02±.16; Best double couple: NP1:ϕ_s28.00000°,δ78.00000°,λ-10.00000°. NP2:ϕ_s120.00000°,δ80.00000°,λ-167.00000°. Principal axes: T 2.5700,Plg2.0000° ,Azm254.0000°; N -0.4500,Plg74.0000°,Azm157.0000°; P -2.1100,Plg16.0000° ,Azm344.0000° $M_0$2.30000×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.4km az=190.0.
MOS Error ellipse: s-maj=8.6km s-min=5.4km az=92.5.
ISC XI 17 19 35 37.4–1.8 30.6N–.10 68.0E–.20 10 3.3b 15 13-83
IDC XI 17 19 35 32.6–1.3 30.38N 67.18E 0 3.5,3.4 **¶11528351**
ISCJB XI 17 19 35 35.9–1.8 30.6N–.20 68.1E–.20 10 3.3b,3.4
ISC XI 18 07 22 05.0–.65 30.21N–.06 67.52E–.06 10 3.8b 45 4-83
ISCJB XI 18 07 22 03.2–.64 30.25N–.06 67.52E–.07 10 3.8b **¶12073980**
NEIC XI 18 07 22 03.3–5.2 30.10N 67.52E 10 3.8b
IDC XI 18 07 22 03.8–.96 30.31N 67.38E 0 4.1,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=6.7km az=44.6.
NEIC Event type se. Error ellipse: s-maj=68.7km s-min=32.4km az=174.0.
IDC Error ellipse: s-maj=24.0km s-min=19.3km az=64.0.
ISC XI 18 15 38 29.3–1.8 30.28N–.05 67.63E–.05 15–12 3.9b 70 4-83
IDC XI 18 15 38 26.6–.95 30.28N 67.47E 0 4.1,4.0 **¶11528369**
ISCJB XI 18 15 38 28.3–1.9 30.34N–.05 67.74E–.05 16–14 3.9b,4.0
NEIC XI 18 15 38 28.5–.67 30.29N 67.46E 10 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=19.7km az=74.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.5km az=36.1.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.3km az=70.0.
ISC XI 19 19 43 26.5–4.8 30.28N–.10 67.5E–.10 11–29 3.7b,3.2s 29 4-83
IDC XI 19 19 43 24.6–1.1 30.19N 67.41E 0 3.8,3.7 **¶12074174**
NEIC XI 19 19 43 26.3–.96 30.27N 67.52E 10 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=24.3km az=91.0.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=14.5km az=102.0.
ISC XI 20 10 08 12.0–.93 30.42N–.03 67.49E–.02 25–7 4.5b,4.1s 212 4-120
IDC XI 20 10 08 07.9–.60 30.44N 67.38E 0 4.3,4.3 **¶11473108**
ISCJB XI 20 10 08 08.8–.92 30.40N–.03 67.50E–.02 17–7 4.5b,4.1s
NEIC XI 20 10 08 09.7–5.0 30.42N 67.41E 11–30 4.7b,4.1s
MOS XI 20 10 08 12.7–1.1 30.51N 67.52E 40 4.7b,4.0s
BJI XI 20 10 08 16.3 30.88N 67.47E 66 5.0b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=13.6km az=10.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.3km az=12.2.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.0km az=200.0.
MOS Error ellipse: s-maj=11.2km s-min=5.8km az=83.5.
ISC XI 20 20 01 58.2–.71 34.38N–.04 73.9E–.10 46–12 3.6b 46 4-68
IDC XI 20 20 01 53.1–1.3 34.41N 73.97E 0 3.9,3.8L **¶11750932**
ISCJB XI 20 20 01 55.8–1.0 34.36N–.04 74.0E–.10 42–14 3.6b,3.8L
NDI XI 20 20 01 57.7–2.4 34.57N 73.95E 33–0 3.6L,3.6b
NEIC XI 20 20 02 02.4–1.1 34.62N 74.00E 74–12 3.6b,3.6b
NNC XI 20 20 02 06.1–6.5 34.85N 73.73E 75–48 3.7,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=23.9km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=5.2km az=161.3.
NDI Error ellipse: s-maj=18.3km s-min=37.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.1km az=199.0.
NNC Error ellipse: s-maj=54.6km s-min=38.6km az=25.0.
ISC XI 21 16 36 53.3–2.2 30.6N–.20 69.4E–.40 10 3.3b 12 4-82
IDC XI 21 16 36 51.8–4.2 30.56N 69.44E 0 3.5L,3.5 **¶12074410**
ISCJB XI 21 16 36 52.3–2.1 30.6N–.20 69.6E–.40 10 3.3b,3.5
NEIC XI 21 16 36 53.0–1.8 30.57N 69.29E 10 3.2b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=136.7km s-min=29.5km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=51.8km s-min=20.3km az=167.7.
NEIC Event type se. Error ellipse: s-maj=47.4km s-min=16.2km az=79.0.
ISC XI 22 13 47 09.0–1.4 30.59N–.10 68.0E–.10 10 3.7b 38 4-83
IDC XI 22 13 47 04.2–1.2 30.41N 67.29E 0 3.8,3.7 **¶12074502**
ISCJB XI 22 13 47 06.9–1.4 30.6N–.10 68.0E–.10 10 3.7b,3.7
NEIC XI 22 13 47 06.0–.98 30.48N 67.40E 10 3.7b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=26.3km az=57.0.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=7.3km az=142.8.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=12.8km az=77.0.
ISC XI 22 18 13 47.4–.96 33.48N–.03 71.70E–.05 19–6 3.8b 57 0-66
IDC XI 22 18 13 41.1–3.7 33.11N 71.84E 0 4.2L,3.9 **¶11528410**
NDI XI 22 18 13 45.0–2.8 33.59N 71.17E 33–0 3.6L,3.4b
ISCJB XI 22 18 13 46.3–.69 33.50N–.03 71.81E–.05 27–5 3.8b,3.4b
NEIC XI 22 18 13 46.4–1.9 33.19N 71.94E 36–15 3.4b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=79.8km s-min=29.5km az=129.0.
NDI Error ellipse: s-maj=24.5km s-min=41.0km az=-1.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.2km az=151.2.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.3km az=154.0.
ISC XI 23 21 01 58.8–1.6 32.3N–.10 72.0E–.20 10 3.3b 8 11-28
ISCJB XI 23 21 01 56.6–1.7 32.3N–.10 72.0E–.20 10 3.3b **¶12074614**
IDC XI 23 21 01 59.0–6.0 32.09N 72.20E 0 3.5b,3.5
NNC XI 23 21 03 03.3–9.8 37.70N 71.38E 0 3.6b,3.3
ISCJB Error ellipse: s-maj=24.9km s-min=16.5km az=178.9.
IDC Error ellipse: s-maj=126.1km s-min=32.0km az=75.0.
NNC Error ellipse: s-maj=79.8km s-min=56.9km az=174.0.
IDC XI 24 23 58 47.5–4.8 30.06N 67.91E 0 3.4,3.4
¶12074746
IDC Error ellipse: s-maj=138.8km s-min=28.3km az=137.0.
ISC XI 28 02 53 14.7–1.1 30.35N–.07 67.9E–.10 10 3.7b 32 4-87
IDC XI 28 02 53 11.7–1.3 30.32N 67.06E 0 3.8,3.7 **¶12075104**
NEIC XI 28 02 53 13.2–1.1 30.31N 67.29E 10 3.8b,3.7
ISCJB XI 28 02 53 14.1–1.1 30.44N–.07 68.0E–.10 10 3.7b,3.7
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 29 10 39 30.9–2.1 30.39N–.08 69.98E–.08 9–12 3.8b,3.1s 54 4-82
IDC XI 29 10 39 29.3–1.1 30.37N 69.83E 0 3.8,3.8 **¶11528477**
ISCJB XI 29 10 39 30.4–2.6 30.40N–.08 70.03E–.09 20–19 3.8b,3.1s
NEIC XI 29 10 39 31.1–.88 30.40N 69.82E 10 3.9b,3.1s
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=21.3km az=68.0.
ISCJB Event type se. Error ellipse: s-maj=17.7km s-min=6.2km az=41.1.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=13.3km az=91.0.
ISC XI 29 18 14 18.2–.96 30.48N–.09 67.8E–.20 10 3.5b 26 4-83
ISCJB XI 29 18 14 16.5–.96 30.50N–.10 67.8E–.20 10 3.5b **¶12075275**
IDC XI 29 18 14 16.6–1.1 30.40N 67.69E 0 3.6,3.5b
NEIC XI 29 18 14 18.1–1.1 30.48N 67.77E 10 3.5b,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.4km s-min=13.6km az=11.7.
IDC Error ellipse: s-maj=29.9km s-min=23.2km az=95.0.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=14.6km az=100.0.
ISC XI 29 18 39 09.7–.42 30.15N–.04 67.59E–.04 10 3.9b,3.5s 129 4-110
ISCJB XI 29 18 39 08.1–.42 30.18N–.04 67.63E–.04 10 3.9b,3.5s **¶11528479**
IDC XI 29 18 39 09.0–.77 30.23N 67.50E 0 4.0,3.9
NEIC XI 29 18 39 10.2–.63 30.27N 67.54E 10 4.4b,3.9
MOS XI 29 18 39 12.9–1.5 30.37N 67.69E 33 4.3b,3.9
NNC XI 29 18 39 13.3–2.0 30.63N 67.52E 0 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.2km az=33.2.
IDC Error ellipse: s-maj=20.1km s-min=14.4km az=22.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=10.7km az=169.0.
MOS Error ellipse: s-maj=12.7km s-min=6.7km az=82.4.
NNC Error ellipse: s-maj=26.8km s-min=17.9km az=175.0.
IDC XI 29 22 53 19.9–5.0 30.29N 67.94E 0 3.3b,3.3
¶12075284
IDC Error ellipse: s-maj=148.2km s-min=27.4km az=137.0.
ISC XII 01 04 08 40.9–.95 30.5N–.10 67.6E–.20 10 3.6b 21 4-83
ISCJB XII 01 04 08 39.1–.94 30.5N–.10 67.5E–.20 10 3.6b **¶12075383**
IDC XII 01 04 08 39.1–1.1 30.32N 67.44E 0 3.8,3.7
NEIC XII 01 04 08 40.8–.89 30.42N 67.53E 10 3.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.3km s-min=15.3km az=3.5.
IDC Error ellipse: s-maj=29.3km s-min=23.1km az=90.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=14.1km az=96.0.
IDC XII 01 15 52 35.9–1.5 30.33N 67.45E 0 3.5,3.4b
¶12075427
IDC Error ellipse: s-maj=46.6km s-min=31.6km az=135.0.
ISC XII 02 12 47 52.2–.69 29.89N–.07 68.0E–.10 10 3.8b 29 5-83
ISCJB XII 02 12 47 50.5–.70 29.93N–.07 68.0E–.20 10 3.8b **¶12075503**
IDC XII 02 12 47 51.4–1.1 29.92N 67.93E 0 3.8,3.7
NEIC XII 02 12 47 52.8–.92 29.94N 68.05E 10 4.4b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=19.5km s-min=9.4km az=11.5.
IDC Error ellipse: s-maj=28.6km s-min=22.1km az=84.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=13.4km az=93.0.
ISC XII 02 12 57 00.5–2.0 30.10N–.07 67.9E–.10 26–14 3.7b 41 1-88
IDC XII 02 12 56 55.8–1.0 30.08N 67.60E 0 4.0,3.8 **¶11751507**
NEIC XII 02 12 56 57.7–.79 30.04N 67.88E 10 3.8b,3.8
ISCJB XII 02 12 57 00.0–1.6 30.18N–.08 67.92E–.10 33–14 3.7b,3.8
NNC XII 02 12 57 10.9–5.0 31.40N 67.47E 0 3.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=22.3km az=60.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=12.1km az=158.0.
ISCJB Event type se. Error ellipse: s-maj=16.5km s-min=9.4km az=40.5.
NNC Error ellipse: s-maj=61.7km s-min=41.6km az=74.0.
ISC XII 05 13 04 37.5–1.4 35.82N–.07 72.9E–.10 80–15 3.5b 29 3-83
IDC XII 05 13 04 28.0–1.1 35.63N 72.97E 0 3.7,3.6b **¶12075887**

NNC XII 05 13 04 34.2–8.2 35.94N 72.85E 0 3.5,3.4b
ISCJB XII 05 13 04 35.9–1.5 35.85N–.07 72.9E–.10 79–16 3.5b,3.4b
NEIC XII 05 13 04 37.1–1.5 35.84N 72.94E 75–16 3.5b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=25.8km az=75.0.
NNC Error ellipse: s-maj=72.4km s-min=56.7km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=15.9km s-min=10.2km az=20.9.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=11.6km az=125.0.
ISC XII 06 19 18 32.7–1.7 30.59N–.09 67.4E–.10 13–13 3.4b 28 1-83
IDC XII 06 19 18 30.1–1.3 30.45N 67.23E 0 3.6,3.6 **¶12076056**
ISCJB XII 06 19 18 31.7–1.6 30.65N–.09 67.4E–.10 16–15 3.5b,3.6
NEIC XII 06 19 18 32.0–.63 30.53N 67.36E 10 3.3b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=23.5km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=11.8km az=27.9.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=8.1km az=123.0.
ISC XII 08 04 22 57.8–2.7 29.16N–.06 67.61E–.06 25–22 3.7b 68 1-83
IDC XII 08 04 22 55.9–.88 29.32N 67.35E 0 3.9,3.8b **¶12076296**
ISCJB XII 08 04 22 56.6–.50 29.14N–.06 67.56E–.05 33 3.7b,3.8b
NEIC XII 08 04 22 56.0–.56 29.18N 67.56E 10 4.0b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=20.1km s-min=19.0km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.8km az=21.6.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.4km az=202.0.
ISC XII 09 02 46 32.0–.73 30.36N–.02 67.51E–.02 1–4 5.0b,4.9s 709 4-159
IDC XII 09 02 46 31.8–.44 30.34N 67.43E 0 4.8s,4.8 **¶12076458**
ISCJB XII 09 02 46 31.5–.13 30.32N–.02 67.53E–.02 12 5.0b,4.9s
BJI XII 09 02 46 32.7 30.69N 67.43E 7 5.3s,5.1
NEIC XII 09 02 46 32.7–.22 30.34N 67.56E 10 5.3b,5.1
SZGRF XII 09 02 46 32.8 30.20N 68.04E 33 5.4b,4.6s
DJA XII 09 02 46 34 30.35N 67.51E 10 5.0b,4.6s
MOS XII 09 02 46 34.4–1.1 30.49N 67.44E 25 5.3b,4.8s
NNC XII 09 02 46 34.2–1.9 30.62N 67.56E 0 4.8b,4.8s
GCMT XII 09 02 46 35.5–.20 30.32N 67.48E 16–1 5.2W,4.8s
ISC Event type fe.
IDC Error ellipse: s-maj=9.6km s-min=8.3km az=156.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=9.2.
NEIC Event type fe. Error ellipse: s-maj=6.1km s-min=3.5km az=194.0. Felt at Quetta and Ziarat.
SZGRF Pakistan.
MOS Error ellipse: s-maj=5.6km s-min=3.5km az=121.7.
NNC Error ellipse: s-maj=26.0km s-min=17.9km az=151.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s47,c70; s90,c167; Moment tensor: Scale 10^{16}Nm; M_{rr}-0.62±.17 $M_{\theta\theta}$-6.34±.17; $M_{\phi\phi}$6.97±.17; $M_{r\theta}$0.38±.40; $M_{\theta\phi}$5.01±.14; $M_{\phi r}$2.27±.46; Best double couple: NP1:ϕ_s64.00000°,δ79.00000°,λ7.00000°. NP2:ϕ_s333.00000°,δ83.00000°,λ169.00000°. Principal axes: T 9.1700,Plg13.0000° ,Azm288.0000°; N -1.1300,Plg77.0000°,Azm121.0000°; P -8.0300,Plg3.0000°,Azm19.0000° M_o8.60000×10^{16}
ISC XII 09 05 53 41.6–.66 30.36N–.02 67.52E–.01 0–4 5.2b,5.0s 799 1-145
TEH XII 09 05 53 00.0 30.41N 67.50E 10 5.2b,5.0s **¶13402308**
IDC XII 09 05 53 41.5–.37 30.45N 67.45E 0 5.0,5.0
SZGRF XII 09 05 53 42.6 29.30N 67.57E 33 5.3b,4.8s
ISCJB XII 09 05 53 42.1–.12 30.33N–.02 67.50E–.01 17 5.2b,5.0s
BGS XII 09 05 53 43.8–2.5 30.39N 67.45E 10–0 5.2b,5.0s
BJI XII 09 05 53 43.6 30.66N 67.71E 11 5.4s,5.2b
NEIC XII 09 05 53 43.0–.19 30.39N 67.45E 10 5.4b,5.2b
MOS XII 09 05 53 44.4–1.2 30.43N 67.50E 28 5.4b,4.9s
NNC XII 09 05 53 45.7–1.6 30.81N 67.87E 0 5.0b,4.9s
GCMT XII 09 05 53 45.8–.20 30.31N 67.50E 15–1 5.3W,4.9s
DJA XII 09 05 53 49 30.53N 67.49E 57 5.3b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=10.2km s-min=9.0km az=159.0.
SZGRF Pakistan.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=1.8km az=7.3.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.7km az=184.0.
MOS Error ellipse: s-maj=5.4km s-min=3.4km az=121.4.
NNC Error ellipse: s-maj=21.3km s-min=16.7km az=168.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s54,c81; s73,c125; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10±.03 $M_{\theta\theta}$-0.96±.03; $M_{\phi\phi}$1.06±.03; $M_{r\theta}$0.08±.07; $M_{\theta\phi}$0.63±.02; $M_{\phi r}$0.53±.09; Best double couple: NP1:ϕ_s63.00000°,δ73.00000°,λ11.00000°. NP2:ϕ_s330.00000°,δ80.00000°,λ163.00000°. Principal axes: T 1.4300,Plg19.0000° ,Azm285.0000°; N -0.2800,Plg70.0000°,Azm119.0000°; P -1.1500,Plg4.0000°,Azm17.0000° M_o1.30000×10^{17}
ISC XII 09 12 57 18.3–.17 30.28N–.03 67.58E–.02 10 4.8b,4.2s 401 4-98
ISCJB XII 09 12 57 16.2–.17 30.23N–.03 67.56E–.02 10 4.8b,4.2s **¶13402328**
IDC XII 09 12 57 16.6–.55 30.34N 67.50E 0 4.5,4.5
NEIC XII 09 12 57 18.0–.24 30.31N 67.64E 10 5.2b,4.5
MOS XII 09 12 57 20.2–1.2 30.39N 67.65E 33 5.2b,4.3s
BJI XII 09 12 57 20.6 30.64N 67.61E 13 4.9b,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=2.4km az=6.4.
IDC Error ellipse: s-maj=15.8km s-min=11.0km az=11.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.3km az=194.0.
MOS Error ellipse: s-maj=6.3km s-min=4.1km az=117.4.
ISC XII 09 22 52 37.6–.10 30.39N–.02 67.42E–.01 10 5.6s,5.5b 1197 0-176
IDC XII 09 22 52 35.9–.36 30.43N 67.46E 0 5.5s,5.5 **¶13402361**
ISCJB XII 09 22 52 35.6–.10 30.38N–.02 67.43E–.01 10 5.6s,5.5b
MOS XII 09 22 52 36.9–1.0 30.47N 67.46E 17 5.8b,5.5s
NNC XII 09 22 52 36.4–1.7 30.43N 67.62E 0 5.4b,5.5s
BJI XII 09 22 52 36.9 30.72N 67.53E 9 6.0s,5.8
SZGRF XII 09 22 52 36.8 29.40N 67.44E 33 5.6b,5.3s
BGS XII 09 22 52 37.2–2.2 29.88N 66.71E 10–0 5.7s,5.3b
NEIC XII 09 22 52 37.6–.12 30.44N 67.40E 10 5.7b,5.7s
GCMT XII 09 22 52 39.3–.10 30.33N 67.51E 16 5.7W,5.7s
DJA XII 09 22 52 55 30.00N 67.66E 136 5.5b,5.7s
ISC Event type se.
IDC Error ellipse: s-maj=9.2km s-min=8.4km az=24.0.
ISCJB Event type fe. Error ellipse: s-maj=2.4km s-min=1.7km az=11.4.
MOS Error ellipse: s-maj=5.3km s-min=3.1km az=123.6.
NNC Error ellipse: s-maj=23.3km s-min=15.9km az=155.0.
SZGRF Pakistan.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type fe. Error ellipse: s-maj=3.3km s-min=2.5km az=10.0. Felt strongly at Quetta. Also felt in Pishin and Ziarat. Moment Tensor Solution. s30 Moment tensor: Scale 10^{17}Nm; M_{rr}0.20 $M_{\theta\theta}$-1.77 $M_{\phi\phi}$1.57 $M_{r\theta}$-0.03 $M_{\theta\phi}$1.00 $M_{\phi r}$0.24 Best double couple: NP1:ϕ_s61.00000° ,δ83.00000°,λ4.00000°. NP2:ϕ_s330.00000°,δ86.00000°,λ173.00000°. Principal axes: T 1.8800,Plg7.0000°,Azm285.0000°; N 0.1800,Plg82.0000°,Azm122.0000° ; P -2.0500,Plg2.0000°,Azm15.0000° M_o2.00000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=101, comp=219, per= 50. Moment Tensor Solution. s73,c139; s29,c30; Moment tensor: Scale 10^{17}Nm; M_{rr}-0.40±.04 $M_{\theta\theta}$-3.03±.05; $M_{\phi\phi}$3.43±.05; $M_{r\theta}$-0.35±.12; $M_{\theta\phi}$2.10±.04; $M_{\phi r}$0.97±.13; Best double couple: NP1:ϕ_s62.00000°,δ75.00000°,λ0.00000°. NP2:ϕ_s152.00000°,δ90.00000°,λ-165.00000°. Principal axes: T 4.2000,Plg10.0000°,Azm286.0000°; N -0.4400,Plg75.0000°,Azm152.0000° ; P -3.7700,Plg11.0000°,Azm18.0000° M_o4.00000×10^{17}
ISC XII 10 01 18 04.0–2.1 30.4N–.10 67.6E–.10 8–13 3.6b 29 1-87
ISCJB XII 10 01 18 01.4–4.1 30.4N–.10 67.6E–.10 0–26 3.6b **¶12076650**
IDC XII 10 01 18 02.7–1.4 30.32N 67.45E 0 3.7,3.6
NEIC XII 10 01 18 04.2–.83 30.36N 67.51E 10 3.6b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=25.6km s-min=7.7km az=141.5.
IDC Error ellipse: s-maj=33.5km s-min=26.1km az=133.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=7.7km az=139.0.
ISC XII 14 11 59 16.8–.46 30.47N–.06 67.87E–.05 10 3.6b,3.2s 48 1-87
IDC XII 14 11 59 12.5–1.0 30.23N 67.45E 0 3.7,3.6 **¶11527671**
ISCJB XII 14 11 59 14.9–.70 30.46N–.07 67.82E–.07 10 3.6b,3.2s
NEIC XII 14 11 59 16.6–.84 30.42N 67.88E 10 3.9b,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=28.1km s-min=21.9km az=85.0.
ISCJB Event type ke. Error ellipse: s-maj=11.6km s-min=7.5km az=38.4.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.1km az=207.0.
IDC XII 15 12 21 54.6–9.1 30.28N 69.16E 0 3.4b,3.3 ¶12077601
IDC Error ellipse: s-maj=306.2km s-min=38.1km az=88.0.
ISC XII 17 18 42 00.4–.34 34.79N–.03 73.25E–.05 10 3.7b 66 1-83
IDC XII 17 18 41 57.9–1.1 34.71N 73.02E 0 3.8,3.7b **¶11527709**
ISCJB XII 17 18 41 58.7–.34 34.84N–.03 73.39E–.05 10 3.7b,3.7b
NDI XII 17 18 42 02.5–1.5 34.45N 72.58E 33–0 4.2b,4.1L
NEIC XII 17 18 42 03.4–.78 34.67N 73.24E 39–9 4.2b,4.1L
NNC XII 17 18 42 08.0–1.4 35.40N 72.40E 0 3.4,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=20.4km az=62.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.0km az=158.5.
NDI Error ellipse: s-maj=11.1km s-min=30.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.0km az=54.0.
NNC Error ellipse: s-maj=17.0km s-min=11.3km az=91.0.
ISC XII 20 06 43 07.5–4.6 30.4N–.10 67.33E–.09 29–31 3.9b 49 4-87
IDC XII 20 06 43 02.6–.90 30.28N 67.33E 0 4.1,3.9b **¶12078293**
NEIC XII 20 06 43 04.3–.67 30.30N 67.31E 10 4.0b,3.9b
ISCJB XII 20 06 43 06.3–.64 30.41N–.07 67.42E–.06 33 3.9b,3.9b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 22 13 56 46.1–1.8 31.80N–.05 70.12E–.06 9–11 3.8b 77 2-89
IDC XII 22 13 56 44.8–1.4 31.75N 70.09E 0 4.0,3.9b **¶12078570**
ISCJB XII 22 13 56 45.7–1.8 31.85N–.06 70.23E–.08 18–12 3.8b,3.9b
NEIC XII 22 13 56 50.2–.77 31.82N 70.35E 35 4.0b,3.9b
NNC XII 22 13 56 51.6–2.6 32.45N 70.16E 0 3.7b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=43.6km s-min=20.9km az=65.0.
ISCJB Event type se. Error ellipse: s-maj=14.2km s-min=5.5km az=140.3.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=5.1km az=48.0.
NNC Error ellipse: s-maj=61.0km s-min=22.3km az=100.0.
ISC XII 23 19 37 29.6–.60 30.33N–.06 67.61E–.06 10 4.0b,3.6s 75 4-87
ISCJB XII 23 19 37 27.5–.55 30.29N–.06 67.56E–.06 10 4.0b,3.6s **¶11518373**
IDC XII 23 19 37 27.7–1.0 30.30N 67.38E 0 4.0,3.8
NEIC XII 23 19 37 29.1–.65 30.32N 67.67E 10 4.5b,3.8
BJI XII 23 19 37 31.8 30.52N 67.90E 10 4.6s,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.2km az=36.8.
IDC Error ellipse: s-maj=24.2km s-min=21.3km az=58.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.4km az=219.0.
ISC XII 24 02 10 46.0–.82 30.30N–.07 67.52E–.09 10 3.6b 49 4-88
ISCJB XII 24 02 10 44.4–.85 30.33N–.08 67.54E–.09 10 3.6b **¶11527792**
IDC XII 24 02 10 45.3–1.1 30.41N 67.26E 0 3.8,3.6b
NEIC XII 24 02 10 46.1–.93 30.30N 67.55E 10 3.7b,3.6b
DMN XII 24 02 13 59.2–.47 28.00N 83.65E 10–0 3.7b,3.6b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=14.3km s-min=7.2km az=135.4.
IDC Error ellipse: s-maj=33.4km s-min=24.3km az=97.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.4km az=46.0.
DMN Event type ke. Error ellipse: s-maj=12.0km s-min=9.7km az=107.0.
ISC XII 25 02 29 29.0–2.3 34.80N–.04 73.22E–.05 8–16 3.5b 58 1-83
ISCJB XII 25 02 29 27.9–1.8 34.85N–.03 73.37E–.05 15–16 3.5b **¶11527802**
IDC XII 25 02 29 27.6–.98 34.74N 73.04E 0 3.8L,3.8
NDI XII 25 02 29 27.3–2.5 34.49N 72.38E 10–0 3.5L,3.8
NEIC XII 25 02 29 29.2–.47 34.81N 73.33E 10 3.5L,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=5.4km az=153.2.
IDC Error ellipse: s-maj=32.4km s-min=19.6km az=49.0.
NDI Error ellipse: s-maj=23.0km s-min=65.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=5.4km az=225.0.
ISC XII 27 18 39 52.5–1.1 30.2N–.20 67.5E–.40 10 3.3b 20 5-88
IDC XII 27 18 39 53.1–4.9 30.31N 67.42E 0 3.4,3.3 **¶12079201**
NEIC XII 27 18 39 54.1–2.5 30.23N 67.79E 10 3.5b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=131.3km s-min=68.4km az=129.0.
NEIC Event type se. Error ellipse: s-maj=63.2km s-min=32.4km az=119.0.
ISC XII 30 15 11 01.0–1.9 31.5N–.10 70.3E–.20 35 3.2b 33 3-82
IDC XII 30 15 10 55.4–7.5 31.34N 70.01E 0 3.3b,3.3 **¶12079563**
ISCJB XII 30 15 10 59.5–1.9 31.6N–.20 70.5E–.20 33 3.2b,3.3
NEIC XII 30 15 11 00.9–1.6 31.47N 70.32E 35 3.2b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=254.0km s-min=35.6km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=32.8km s-min=8.0km az=140.8.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=7.3km az=51.0.
ISC XII 31 06 17 07.5–.41 30.41N–.05 67.40E–.04 10 4.0b,2.9s 113 4-87
ISCJB XII 31 06 17 05.6–.41 30.40N–.05 67.44E–.04 10 4.0b,2.9s **¶12079630**
IDC XII 31 06 17 06.3–.74 30.45N 67.44E 0 4.2L,4.0
NEIC XII 31 06 17 07.7–.42 30.45N 67.50E 10 4.4b,4.0
MOS XII 31 06 17 09.9–1.1 30.54N 67.57E 33 4.5b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=28.8.
IDC Error ellipse: s-maj=18.3km s-min=17.3km az=48.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.1km az=215.0.
MOS Error ellipse: s-maj=13.0km s-min=6.5km az=80.5.
ISC XII 31 14 56 54.7–.34 36.00N–.02 71.23E–.03 93–4 4.3b 292 2-150
ISCJB XII 31 14 56 52.8–.45 36.01N–.02 71.21E–.04 90–5 4.3b **¶13404488**
MOS XII 31 14 56 54.1–1.1 36.15N 71.10E 93 4.5b
NEIC XII 31 14 56 54.4–.24 35.99N 71.25E 96 4.7b
IDC XII 31 14 56 55.6–.68 36.04N 71.06E 98–5 4.1,4.0
BJI XII 31 14 57 00.5 36.64N 71.28E 118 4.6b,4.3b
NNC XII 31 14 57 00.8–1.3 37.09N 70.45E 0 4.9,4.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.1km az=157.1.
MOS Error ellipse: s-maj=8.0km s-min=4.9km az=103.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.2km az=214.0.
IDC Error ellipse: s-maj=14.3km s-min=9.9km az=27.0.
NNC Error ellipse: s-maj=10.4km s-min=9.4km az=37.0.

(711) Southwestern Kashmir.

ISC IX 24 03 14 46.8–3.9 33.64N–.08 74.4E–.20 15–20 10 3-10
NDI IX 24 03 14 45.0–1.5 33.93N 74.60E 10–0 3.1L **¶11517644**
NDI Error ellipse: s-maj=15.2km s-min=26.6km az=-1.0.
ISC X 04 04 29 53.8–.90 33.54N–.06 74.2E–.10 10 14 3-10
NDI X 04 04 29 38.6–1.9 34.34N 73.83E 10–0 3.2L **¶11748044**
ISCJB X 04 04 29 49.7–.86 33.53N–.06 74.0E–.10 10 3.2L

(712) India-Pakistan border region.

IDC XI 04 23 53 33.3–1.3 27.54N 70.14E 0 3.6,3.6 ¶12072314
IDC Error ellipse: s-maj=38.0km s-min=31.3km az=123.0.
IDC XI 16 03 18 11.2–39 27.40N 70.28E 0 3.4b,3.4 ¶12073699
IDC Error ellipse: s-maj=1250.0km s-min=31.5km az=138.0.

SEISMIC REGION 48.
Hindu Kush and Pamir.

(713) Central Kazakhstan.

NNC VII 01 10 27 03.2–2.9 50.47N 73.31E 0 3.5b,3.2 ¶11325445
NNC Error ellipse: s-maj=46.8km s-min=10.9km az=29.0.
ISC VII 09 15 37 48.6–4.0 47.42N–.10 73.2E–.10 20–31 8 5-10
IDC VII 09 15 37 46.8–3.0 47.41N 73.25E 0 2.8L,2.8 **¶11331857**
IDC Error ellipse: s-maj=36.6km s-min=14.3km az=28.0.
ISC VII 19 08 21 29.3–.85 50.80N–.09 73.73E–.07 10 18 3-61
ISCJB VII 19 08 21 26.5–.94 50.76N–.10 73.86E–.08 10 **¶11358856**
IDC VII 19 08 21 28.5–1.1 50.96N 73.88E 0 3.3,3.2b
NNC VII 19 08 21 29.4–1.8 50.93N 73.81E 0 3.3b,3.0
ISCJB Error ellipse: s-maj=14.6km s-min=5.6km az=19.5.
IDC Error ellipse: s-maj=21.7km s-min=10.3km az=29.0.
NNC Error ellipse: s-maj=33.5km s-min=6.5km az=24.0.

ISC VIII 15 07 38 19.7–2.3 50.91N–.08 73.75E–.09 16–16 18 3-60
NNC VIII 15 07 38 12.3–2.3 50.33N 73.44E 0 3.3b,3.0 **¶11449870**
ISCJB VIII 15 07 38 18.5–2.0 51.00N–.09 73.85E–.09 15–14 3.3b,3.0
IDC VIII 15 07 38 18.3–1.1 51.12N 73.78E 0 3.3b,3.2
NNC Error ellipse: s-maj=40.9km s-min=8.9km az=36.0.
ISCJB Error ellipse: s-maj=16.3km s-min=5.5km az=29.4.
IDC Error ellipse: s-maj=26.1km s-min=6.5km az=30.0.
NNC VIII 22 08 00 28.9–2.0 49.27N 68.30E 0 3.6b,3.2
¶11477710
NNC Error ellipse: s-maj=27.8km s-min=10.3km az=138.0.
ISC VIII 26 09 22 06.8–.75 43.06N–.04 74.91E–.04 10–6 19 0-3
ISCJB VIII 26 09 22 06.6–.74 43.06N–.04 74.92E–.04 7–6 **¶11477808**
KNET VIII 26 09 22 06.5–.40 43.03N 74.87E 12–2 1.9L
ISCJB Error ellipse: s-maj=7.3km s-min=5.0km az=11.6.
KNET Error ellipse: s-maj=3.2km s-min=1.9km az=59.0.
ISC VIII 28 14 13 19.3–1.5 50.4N–.10 73.73E–.07 7–15 24 3-61
NEIC VIII 28 14 13 17.6–.85 50.15N 73.75E 10 **¶11477915**
IDC VIII 28 14 13 17.2–1.1 50.21N 73.75E 0 3.5,3.4b
NNC VIII 28 14 13 21.7–.93 50.81N 73.63E 0 3.2b,2.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=9.0km az=208.0.
IDC Error ellipse: s-maj=19.4km s-min=8.3km az=17.0.
NNC Error ellipse: s-maj=14.8km s-min=5.9km az=26.0.
ISC IX 06 14 08 29.0–1.5 45.29N–.09 73.8E–.20 35 11 2-6
NNC IX 06 14 08 23.2–1.6 45.17N 73.80E 0 3.1b,2.8 **¶11492190**
ISCJB IX 06 14 08 27.6–1.3 45.32N–.09 73.9E–.10 33 3.1b,2.8
ISC IX 09 03 30 45.4–.61 50.84N–.06 73.80E–.05 10 17 3-60
ISCJB IX 09 03 30 42.8–.78 50.81N–.07 73.90E–.06 10 **¶11783422**
NNC IX 09 03 30 44.7–1.5 50.66N 73.30E 0 3.6b,3.2
IDC IX 09 03 30 51.1–1.2 51.86N 74.24E 0 3.6b,3.5
ISCJB Error ellipse: s-maj=10.9km s-min=4.4km az=14.5.
NNC Error ellipse: s-maj=22.6km s-min=9.2km az=24.0.
IDC Error ellipse: s-maj=35.2km s-min=12.2km az=28.0.
ISC IX 11 00 49 09.9–.86 43.03N–.07 74.98E–.05 16–7 12 0-3
¶15250405
NNC IX 11 11 20 57.5–3.7 50.47N 73.19E 0 3.6b,3.3
¶11783509
NNC Error ellipse: s-maj=53.0km s-min=11.3km az=23.0.
NNC IX 12 13 21 43.6–1.3 50.59N 73.34E 0 3.6b,3.2
¶11783546
NNC Error ellipse: s-maj=19.1km s-min=8.1km az=31.0.
ISC IX 28 08 11 26.4–3.5 43.9N–.20 74.6E–.20 4–19 9 1-3
¶15250554
NNC X 03 12 45 42.5–1.8 50.62N 73.22E 0 3.2b,2.9
¶11748023
NNC Error ellipse: s-maj=25.5km s-min=5.9km az=26.0.
ISC X 14 23 46 14.3–1.5 43.81N–.04 70.2E–.10 10 29 1-4
NNC X 14 23 46 15.3–.65 43.78N 70.40E 0 3.6b,3.1 **¶11711186**
NNC Error ellipse: s-maj=7.7km s-min=3.1km az=95.0.
ISC X 20 21 11 01.3–1.2 42.7N–.10 69.26E–.09 10 14 1-10
NNC X 20 21 10 48.2–1.2 42.07N 69.19E 0 3.5b,3.5 **¶11749140**
ISCJB X 20 21 10 58.1–1.4 42.6N–.10 69.1E–.10 10 3.5b,3.5
ISC X 31 07 59 22.9–1.5 43.78N–.08 74.48E–.09 10 17 1-3
KNET X 31 07 59 23.0–.88 43.74N 74.53E 5–5 1.5L **¶11711546**
ISCJB X 31 07 59 24.8–1.6 43.70N–.08 74.54E–.10 10 1.5L
ISC XI 07 12 10 37.3–.42 50.80N–.04 73.62E–.05 10 37 3-61
ISCJB XI 07 12 10 35.0–.45 50.77N–.04 73.71E–.05 10 **¶11750206**
NNC XI 07 12 10 34.7–.68 50.67N 73.51E 0 3.5b,3.2
IDC XI 07 12 10 36.3–.77 50.86N 73.68E 0 3.7b,3.5
NEIC XI 07 12 10 39.7–.51 50.80N 73.60E 35 3.7b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.7km az=36.8.
NNC Error ellipse: s-maj=11.2km s-min=3.0km az=32.0.
IDC Error ellipse: s-maj=12.7km s-min=8.9km az=26.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.6km az=197.0.
ISC XI 09 03 31 26.4–1.1 42.10N–.08 70.98E–.08 10 24 1-12
ISCJB XI 09 03 31 24.0–1.0 42.07N–.07 70.82E–.07 10 **¶11711691**
NNC XI 09 03 31 29.8–2.1 42.46N 71.28E 0 4.1,3.9b
ISCJB Error ellipse: s-maj=12.3km s-min=4.5km az=33.1.
NNC Error ellipse: s-maj=16.8km s-min=8.8km az=17.0.
ISC XI 11 06 29 48.0–3.0 43.9N–.20 74.6E–.10 10 9 1-3
¶15673304
ISC XI 13 07 32 02.3–.88 50.52N–.08 73.78E–.07 10 17 3-61
ISCJB XI 13 07 31 58.2–.90 50.35N–.08 73.83E–.07 10 **¶11750511**
NNC XI 13 07 32 03.6–8.9 50.87N 73.97E 0 3.6b,3.3
IDC XI 13 07 32 03.4–1.0 51.09N 73.64E 0 3.6b,3.6
ISCJB Error ellipse: s-maj=11.8km s-min=4.5km az=22.4.
NNC Error ellipse: s-maj=92.7km s-min=63.1km az=45.0.
IDC Error ellipse: s-maj=23.6km s-min=10.5km az=15.0.
ISC XI 18 12 22 52.1–.61 50.76N–.07 73.66E–.07 10 4.1b 23 3-88
ISCJB XI 18 12 22 50.7–.65 50.83N–.08 73.82E–.08 10 4.0b **¶11750806**
NNC XI 18 12 22 50.8–2.3 50.72N 73.61E 0 3.7b,3.4
IDC XI 18 12 22 50.9–.70 50.93N 73.66E 0 4.0b,3.9
ISCJB Error ellipse: s-maj=12.5km s-min=4.4km az=30.9.
NNC Error ellipse: s-maj=39.4km s-min=7.3km az=27.0.
IDC Error ellipse: s-maj=16.0km s-min=6.6km az=23.0.
ISC XI 28 07 11 21.6–1.3 43.6N–.10 74.30E–.08 10 11 1-3
ISCJB XI 28 07 11 20.4–1.3 43.7N–.10 74.24E–.06 10 **¶11712002**
NNC XI 28 07 11 21.3–5.3 42.84N 74.17E 0 2.6b,2.4
ISCJB Error ellipse: s-maj=18.4km s-min=6.6km az=1.7.
NNC Error ellipse: s-maj=220.3km s-min=23.7km az=178.0.
ISC XII 08 07 51 24.6–1.3 43.66N–.07 74.76E–.07 10 13 0-3
KNET XII 08 07 51 22.3–.40 43.73N 74.53E 14–2 1.2L **¶11712144**
ISCJB XII 08 07 51 24.3–1.3 43.67N–.07 74.70E–.07 10 1.2L
NNC XII 13 10 08 59.0–.61 42.64N 70.56E 0 3.5b,2.6
¶12077281
NNC Error ellipse: s-maj=8.4km s-min=2.7km az=75.0.
ISC XII 18 06 23 11.4–1.4 43.64N–.07 74.69E–.07 10 14 0-3
KNET XII 18 06 23 07.9–.52 43.75N 74.52E 15–3 1.5L **¶11712283**
ISCJB XII 18 06 23 10.9–1.4 43.66N–.08 74.65E–.07 10 1.5L
NNC XII 25 08 21 05.0–.98 42.78N 70.15E 0 3.6b,2.6
¶12078901
NNC Error ellipse: s-maj=15.5km s-min=4.7km az=123.0.

(714) Southeastern Uzbekistan.

ISC IX 08 04 09 32.3–.39 40.10N–.03 67.61E–.05 10 3.7b 65 4-88
IDC IX 08 04 09 28.4–.77 39.64N 67.70E 0 4.1,4.0 **¶11493327**
ISCJB IX 08 04 09 29.9–.39 40.11N–.03 67.61E–.05 10 3.7b,4.0
NNC IX 08 04 09 30.7–4.8 40.17N 67.47E 0 4.0b,3.9
NEIC IX 08 04 09 35.2–.96 40.05N 67.66E 38–10 3.6b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=11.8km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=4.4km az=0.8.
NNC Error ellipse: s-maj=43.7km s-min=22.8km az=25.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.3km az=213.0.

(715) Tajikistan.

ISC VII 01 23 50 58.8–1.2 38.21N–.04 68.66E–.06 23–11 3.6b 73 4-45
IDC VII 01 23 50 45.4–5.0 37.02N 69.15E 0 3.8,3.8 **¶11325465**
MOS VII 01 23 50 58.7–1.9 38.23N 68.89E 33 4.1b,3.8
NNC VII 01 23 50 59.9–4.5 38.47N 68.79E 9–18 4.2b,4.0
NEIC VII 01 23 51 03.9–.85 38.54N 68.92E 49–12 3.7b,4.0
ISC Event type fe.
IDC Error ellipse: s-maj=78.5km s-min=22.8km az=166.0.
MOS Error ellipse: s-maj=14.7km s-min=8.1km az=75.7.
NNC Error ellipse: s-maj=28.8km s-min=15.7km az=28.0.
NEIC Event type fe. Error ellipse: s-maj=10.3km s-min=7.7km az=106.0. Felt at Dushanbe.
ISC VII 03 14 14 06.4–3.9 37.4N–.30 72.3E–.20 130–47 7 4-12
NNC VII 03 14 13 59.0–15 37.42N 71.93E 0 3.8b,3.4 **¶11325522**
NNC Error ellipse: s-maj=146.3km s-min=87.7km az=37.0.
ISC VII 05 18 05 56.4–.62 38.87N–.04 69.65E–.07 80–14 3.6b 33 4-84
NNC VII 05 18 05 50.0–3.7 38.85N 69.56E 0 3.8b,3.5 **¶11327876**
ISCJB VII 05 18 05 54.6–.76 38.88N–.04 69.61E–.07 86–16 3.6b,3.5
NEIC VII 05 18 05 56.3–1.1 38.90N 69.90E 69–16 3.6b,3.5
IDC VII 05 18 05 59.2–7.0 38.88N 70.08E 93–60 3.4b,3.3
ISC Event type se.
NNC Error ellipse: s-maj=36.4km s-min=19.7km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=6.6km az=22.7.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=12.4km az=105.0.
IDC Error ellipse: s-maj=56.6km s-min=29.5km az=21.0.
ISC VII 06 20 39 19.5–.33 37.31N–.03 72.21E–.05 212–5 3.9b 82 3-83
BJI VII 06 20 39 17.8 37.40N 72.10E 215 3.9b **¶11327911**
ISCJB VII 06 20 39 18.5–.33 37.26N–.02 72.27E–.05 219–5 3.9b
NNC VII 06 20 39 20.7–6.8 38.01N 72.76E 0 4.5b,4.1
NEIC VII 06 20 39 20.8–.52 37.43N 72.13E 216–6 4.4b,4.1
IDC VII 06 20 39 23.6–2.1 37.58N 72.23E 238–16 3.8,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.7km az=164.2.
NNC Error ellipse: s-maj=77.1km s-min=39.5km az=41.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.8km az=115.0.
IDC Error ellipse: s-maj=17.9km s-min=13.9km az=159.0.
ISC VII 07 21 49 21.2–.36 37.55N–.02 72.44E–.04 132–5 4.3b 248 3-82
IDC VII 07 21 49 20.4–4.1 37.57N 72.28E 114–35 4.2,4.1 **¶11103542**
ISCJB VII 07 21 49 20.2–.40 37.53N–.02 72.38E–.04 137–5 4.3b,4.1
MOS VII 07 21 49 20.5–.99 37.67N 72.31E 129 4.4b,4.1
NEIC VII 07 21 49 21.2–.80 37.71N 72.22E 116–7 4.4b,4.1
BJI VII 07 21 49 21.8 37.56N 72.21E 127 4.7b,4.4b
NNC VII 07 21 49 29.2–7.3 38.16N 71.48E 206–56 5.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=14.4km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.4km az=159.4.
MOS Error ellipse: s-maj=9.5km s-min=4.9km az=124.3.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.9km az=146.0.
NNC Error ellipse: s-maj=64.9km s-min=51.3km az=21.0.
ISC VII 14 10 49 15.0–3.3 37.7N–.30 72.8E–.20 216–19 3.4b 10 3-51
IDC VII 14 10 48 54.8–21 36.24N 72.26E 109–138 4.0L,3.8s **¶11346142**
IDC Error ellipse: s-maj=175.9km s-min=37.3km az=11.0.
ISC VII 19 06 17 43.8–.31 37.88N–.02 72.79E–.03 117–3 4.4b 286 3-84
ISCJB VII 19 06 17 41.5–.39 37.86N–.02 72.71E–.03 109–4 4.4b **¶11153484**
SZGRF VII 19 06 17 44.0 38.12N 71.53E 33 4.4b
NEIC VII 19 06 17 45.8–.68 38.06N 72.73E 128–6 4.5b
BJI VII 19 06 17 45.0 38.09N 72.78E 130 5.3b,4.6b
MOS VII 19 06 17 45.0–.96 38.09N 72.73E 134 4.4b,4.6b
IDC VII 19 06 17 47.8–.93 38.13N 72.78E 146–7 4.0,3.9
NNC VII 19 06 17 49.4–4.8 38.39N 72.49E 192–44 4.8,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.1km az=152.2.
SZGRF Afghanistan-Tajikistan border region.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=174.0.
MOS Error ellipse: s-maj=7.6km s-min=4.5km az=113.5.
IDC Error ellipse: s-maj=12.5km s-min=11.2km az=173.0.
NNC Error ellipse: s-maj=47.2km s-min=21.2km az=8.0.
ISC VII 21 19 47 49.5–1.5 39.08N–.05 69.34E–.05 7–11 3.7b 46 4-73
IDC VII 21 19 47 44.6–1.5 38.60N 69.64E 0 3.9,3.8b **¶11360850**
NNC VII 21 19 47 50.3–2.2 39.05N 69.38E 17–9 4.1b,3.9
NEIC VII 21 19 47 52.5–.85 39.05N 69.49E 40–10 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=13.2km az=156.0.
NNC Error ellipse: s-maj=16.0km s-min=12.0km az=8.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.0km az=134.0.
ISC VII 22 00 52 51.4–.34 37.30N–.02 72.23E–.05 145–5 3.7b 93 3-76
ISCJB VII 22 00 52 50.5–.36 37.32N–.02 72.22E–.05 154–6 3.7b **¶11227120**
NEIC VII 22 00 52 51.2–.62 37.27N 72.19E 145–8 4.6b
BJI VII 22 00 52 52.6 37.32N 72.21E 137 4.4b,3.8b
IDC VII 22 00 52 52.2–5.1 37.36N 72.24E 153–35 3.4,3.3b
NNC VII 22 00 52 55.6–8.0 37.88N 70.52E 0 4.1,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.5km az=170.5.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.8km az=57.0.
IDC Error ellipse: s-maj=52.6km s-min=21.4km az=154.0.
NNC Error ellipse: s-maj=65.0km s-min=59.3km az=119.0.
ISC VIII 02 21 23 35.9–.39 38.04N–.03 68.90E–.05 10 4.0b,3.2s 69 3-137
NNC VIII 02 21 23 07.7–4.3 35.79N 68.57E 0 3.9b,3.8 **¶11382231**
IDC VIII 02 21 23 32.4–1.7 37.72N 69.02E 0 4.0,3.9
ISCJB VIII 02 21 23 34.2–.39 38.09N–.03 68.95E–.05 10 4.0b,3.2s
NEIC VIII 02 21 23 36.0–.55 38.05N 68.92E 10 4.3b,3.2s
BJI VIII 02 21 23 36.2 38.18N 69.10E 14 4.5b,4.0b
MOS VIII 02 21 23 37.3–1.3 38.10N 68.99E 33 4.4b,4.0b
ISC Event type se.
NNC Error ellipse: s-maj=51.5km s-min=39.1km az=107.0.
IDC Error ellipse: s-maj=33.3km s-min=15.2km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=5.0km az=5.1.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.5km az=156.0.
MOS Error ellipse: s-maj=12.0km s-min=6.8km az=84.2.
NNC VIII 07 03 17 02.2–15 39.14N 71.02E 0 3.6b,3.4
¶11395846
NNC Error ellipse: s-maj=123.4km s-min=73.8km az=6.0.
ISC VIII 08 16 08 05.1–.87 39.23N–.06 71.00E–.06 59–10 3.8b 39 4-86
IDC VIII 08 16 07 56.0–1.1 38.86N 71.37E 0 3.8b,3.8 **¶11395923**
BJI VIII 08 16 08 01.3 38.81N 71.20E 38 3.7b,3.2L
ISCJB VIII 08 16 08 03.7–.92 39.23N–.05 71.00E–.07 67–10 3.7b,3.2L
NEIC VIII 08 16 08 04.5–1.1 39.17N 71.13E 58–12 3.7b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=13.2km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=7.6km az=42.6.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.7km az=126.0.
ISC VIII 18 22 31 29.3–.89 38.93N–.08 69.9E–.10 75–29 26 4-21
ISCJB VIII 18 22 31 27.6–1.1 38.91N–.09 69.9E–.10 77–28 **¶11453273**
NEIC VIII 18 22 31 28.2–.87 38.98N 69.96E 35 3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=21.5km s-min=9.0km az=34.9.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=10.3km az=130.0.
ISC VIII 28 06 06 14.5–1.1 40.48N–.03 71.52E–.04 20–7 4.0b 96 2-86
NNC VIII 28 06 06 08.4–3.0 40.19N 71.91E 0 4.1,4.0b **¶11477890**
IDC VIII 28 06 06 08.0–.78 40.18N 71.93E 0 4.2,4.1
ISCJB VIII 28 06 06 10.1–1.0 40.38N–.03 71.44E–.04 6–6 4.0b,4.1
BJI VIII 28 06 06 11.5 40.30N 71.39E 33 4.5b,4.1b
MOS VIII 28 06 06 13.1–2.0 40.38N 71.75E 33 4.3b,4.1b
NEIC VIII 28 06 06 16.8–.94 40.48N 71.80E 61–10 4.0b,4.1b
ISC Event type se.
NNC Error ellipse: s-maj=30.7km s-min=14.8km az=11.0.
IDC Error ellipse: s-maj=14.7km s-min=10.8km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.2km az=144.6.
MOS Error ellipse: s-maj=11.2km s-min=6.6km az=89.6.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.7km az=170.0.
NNC IX 01 12 14 01.1–11 38.09N 69.12E 0 3.7b,3.2
¶11485970
NNC Error ellipse: s-maj=116.0km s-min=88.9km az=100.0.
ISC IX 09 07 34 12.7–.66 39.91N–.06 71.14E–.05 10 3.7b 51 3-86
NNC IX 09 07 34 05.9–3.0 39.42N 70.87E 0 4.6,4.3b **¶11783426**
ISCJB IX 09 07 34 10.8–.65 39.87N–.06 71.07E–.05 10 3.7b,4.3b
IDC IX 09 07 34 11.1–.85 39.96N 71.40E 0 4.0,3.8
NEIC IX 09 07 34 13.2–.77 40.01N 71.21E 10 4.0,3.8
ISC Event type se.
NNC Error ellipse: s-maj=24.8km s-min=15.5km az=16.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.5km az=8.8.
IDC Error ellipse: s-maj=15.5km s-min=12.1km az=166.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.5km az=170.0.
NNC IX 10 00 17 30.4–2.1 38.93N 72.16E 0 3.6b,3.3
¶11783443
NNC Error ellipse: s-maj=16.8km s-min=11.7km az=11.0.
ISC IX 18 22 00 20.1–.33 38.23N–.02 68.89E–.04 10 3.7b 70 4-84

NNC IX 18 22 00 13.5–3.0 37.88N 68.67E 0 4.0b,4.0 ¶11514633
IDC IX 18 22 00 17.0–1.0 37.85N 69.07E 0 3.9,3.8
ISCJB IX 18 22 00 18.2–.34 38.24N–.02 68.96E–.05 10 3.7b,3.8
NEIC IX 18 22 00 23.8–.89 38.21N 68.99E 41–9 4.1b,3.8
ISC Event type se.
NNC Error ellipse: s-maj=24.0km s-min=21.2km az=150.0.
IDC Error ellipse: s-maj=19.5km s-min=16.1km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.5km az=5.6.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.4km az=199.0.
NNC IX 25 01 36 14.2–3.2 39.77N 70.84E 0 3.6b,3.2
¶11518774
NNC Error ellipse: s-maj=24.5km s-min=15.5km az=20.0.
ISC IX 25 08 51 42.2–.43 37.37N–.03 72.10E–.09 210–6 3.5b 48 4-67
IDC IX 25 08 51 38.4–4.6 36.92N 72.30E 218–40 3.6b,3.6 ¶11518791
ISCJB IX 25 08 51 41.1–.43 37.37N–.03 72.07E–.08 224–7 3.5b,3.6
NEIC IX 25 08 51 41.7–.64 37.27N 72.22E 229–8 4.0b,3.6
NNC IX 25 08 51 48.3–9.1 38.15N 71.52E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=50.9km s-min=30.4km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=4.8km az=14.6.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.1km az=114.0.
NNC Error ellipse: s-maj=76.8km s-min=61.4km az=1.0.
ISC IX 29 13 15 13.4–.77 38.62N–.07 69.87E–.07 10 3.7s,3.7b 83 5-92
NNC IX 29 13 15 09.0–4.4 37.79N 70.37E 185–38 4.8,3.2b ¶11322365
IDC IX 29 13 15 11.6–1.0 38.51N 70.38E 0 4.1,4.0
ISCJB IX 29 13 15 12.7–.80 38.76N–.07 69.86E–.07 10 3.7s,3.6b
NEIC IX 29 13 15 13.3–.89 38.43N 70.26E 10 3.7s,3.6b
BJI IX 29 13 15 15.0 38.83N 70.16E 23 3.9L,3.7b
MOS IX 29 13 15 16.1–1.9 38.78N 70.18E 33 4.1b,3.7b
ISC Event type se.
NNC Error ellipse: s-maj=35.6km s-min=28.5km az=1.0.
IDC Error ellipse: s-maj=17.2km s-min=11.9km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.6km az=157.1.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=9.2km az=152.0.
MOS Error ellipse: s-maj=16.2km s-min=8.5km az=83.8.
NNC X 05 08 45 37.6–3.7 39.10N 70.27E 12–76 3.5b,3.1
¶11748091
NNC Error ellipse: s-maj=76.9km s-min=13.3km az=20.0.
ISC X 05 21 04 10.9–1.6 38.84N–.09 72.98E–.10 10 21 3-23
ISCJB X 05 21 04 07.4–1.3 38.73N–.08 72.98E–.10 10 ¶13396121
NEIC X 05 21 04 07.6–.94 38.33N 73.13E 35 3.3b
NNC X 05 21 04 34.3–4.1 40.44N 73.54E 0 3.4b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=9.1km az=142.4.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=7.1km az=131.0.
NNC Error ellipse: s-maj=42.0km s-min=20.0km az=168.0.
ISC X 07 11 31 53.0–.41 37.16N–.02 72.17E–.07 153–7 3.5b 82 3-81
IDC X 07 11 31 47.9–5.9 36.83N 72.13E 107–42 3.8b,3.7 ¶11748263
NEIC X 07 11 31 50.2–.91 37.02N 71.95E 119–10 4.8b,3.7
ISCJB X 07 11 31 52.0–.41 37.17N–.02 72.13E–.07 162–8 3.5b,3.7
NNC X 07 11 31 59.7–7.5 37.84N 71.92E 155–146 4.1,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=63.2km s-min=34.5km az=148.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=4.0km az=58.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=3.9km az=172.1.
NNC Error ellipse: s-maj=76.9km s-min=42.1km az=20.0.
ISC X 08 16 23 40.2–1.0 37.57N–.07 72.4E–.10 194–13 3.2b 42 3-82
NEIC X 08 16 23 38.4–1.8 37.41N 72.56E 183–15 4.3b ¶11711000
IDC X 08 16 23 40.9–11 37.47N 72.68E 206–116 3.3b,3.2
NNC X 08 16 23 43.9–1.8 38.42N 72.61E 0 3.6b,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=15.0km az=163.0.
IDC Error ellipse: s-maj=75.5km s-min=29.0km az=9.0.
NNC Error ellipse: s-maj=16.0km s-min=9.3km az=24.0.
ISC X 11 04 16 38.2–.36 38.00N–.02 72.76E–.05 113–5 3.8b 151 4-73
ISCJB X 11 04 16 36.8–.40 38.02N–.02 72.71E–.05 116–6 3.8b ¶13396624
MOS X 11 04 16 37.2–1.4 38.07N 72.63E 113 4.2b
NNC X 11 04 16 39.7–9.3 38.22N 72.12E 116–114 4.1,3.8b
NEIC X 11 04 16 40.2–.98 38.26N 72.49E 111–9 4.1b,3.8b
IDC X 11 04 16 41.3–3.4 38.26N 72.52E 119–30 3.8,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.6km az=177.8.
MOS Error ellipse: s-maj=12.5km s-min=6.2km az=94.0.
NNC Error ellipse: s-maj=77.1km s-min=40.1km az=7.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.8km az=139.0.
IDC Error ellipse: s-maj=25.2km s-min=17.1km az=14.0.
ISC X 13 23 05 48.5–2.2 38.6N–.10 69.9E–.10 10 11 5-13
NNC X 13 23 05 49.6–2.1 38.78N 69.96E 0 3.9b,3.5 ¶11748763
NNC Error ellipse: s-maj=16.1km s-min=13.8km az=17.0.
NNC X 14 16 48 08.9–4.1 38.87N 69.89E 0 4.0b,3.6
¶11748811
NNC Error ellipse: s-maj=35.8km s-min=18.6km az=178.0.
ISC X 15 17 47 04.9–.39 37.71N–.03 72.59E–.07 154–6 3.4b 73 4-82
IDC X 15 17 47 01.3–5.4 37.59N 72.54E 118–45 3.5,3.4b ¶11711205
ISCJB X 15 17 47 04.0–.39 37.72N–.03 72.56E–.07 160–6 3.4b,3.4b
NEIC X 15 17 47 04.5–.56 37.72N 72.62E 145–7 4.3b,3.4b
NNC X 15 17 47 13.9–8.8 38.91N 72.77E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=23.7km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.6km az=171.3.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.8km az=61.0.
NNC Error ellipse: s-maj=70.7km s-min=46.1km az=3.0.
ISC X 20 19 43 36.9–.40 37.64N–.03 72.33E–.06 136–7 3.6b 65 4-82
IDC X 20 19 43 33.6–5.3 37.52N 72.19E 94–48 3.7b,3.6 ¶11749134
ISCJB X 20 19 43 35.9–.42 37.64N–.03 72.34E–.07 140–7 3.6b,3.6
NEIC X 20 19 43 35.8–.72 37.56N 72.33E 124–9 4.4b,3.6
NNC X 20 19 43 40.0–2.5 38.67N 72.97E 0 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=23.8km az=30.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.7km az=175.1.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.3km az=67.0.
NNC Error ellipse: s-maj=21.2km s-min=17.4km az=40.0.
ISC X 22 00 57 10.4–2.1 39.3N–.10 71.6E–.10 10 15 3-15
NNC X 22 00 57 07.3–5.2 39.28N 71.51E 0 3.6b,3.4 ¶11711316
NNC Error ellipse: s-maj=41.7km s-min=25.4km az=5.0.
NNC X 22 16 56 57.9–9.7 38.70N 68.31E 0 3.7b,3.4
¶11749235
NNC Error ellipse: s-maj=83.2km s-min=50.7km az=2.0.
NNC X 25 17 00 48.5–7.0 39.29N 70.59E 0 3.8b,3.4
¶11749428
NNC Error ellipse: s-maj=54.9km s-min=37.7km az=17.0.
ISC X 26 09 42 03.6–.53 38.36N–.04 72.80E–.09 121–6 4.1b 50 4-79
IDC X 26 09 41 56.8–8.0 38.06N 73.11E 75–57 3.9,3.8b ¶11749463
NNC X 26 09 41 59.3–7.9 38.30N 72.16E 0 3.9b,3.7
ISCJB X 26 09 42 02.4–.55 38.37N–.04 72.78E–.09 122–7 4.1b,3.7
NEIC X 26 09 42 02.9–.85 38.29N 73.02E 125–7 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=63.2km s-min=29.7km az=151.0.
NNC Error ellipse: s-maj=64.3km s-min=41.2km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=5.3km az=15.7.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=9.4km az=112.0.
ISC X 29 09 19 52.9–.46 37.51N–.04 72.0E–.10 192–7 3.5b 40 4-67
IDC X 29 09 19 50.4–11 37.15N 72.30E 197–151 3.4b,3.4 ¶11711483
ISCJB X 29 09 19 51.8–.46 37.50N–.04 72.1E–.10 203–8 3.5b,3.4
NEIC X 29 09 19 52.2–.77 37.40N 72.16E 200–7 4.0b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=109.1km s-min=48.3km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=5.1km az=18.7.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=7.2km az=129.0.
ISC XI 02 04 47 28.2–.36 37.26N–.02 72.11E–.05 140–5 3.6b 114 3-82
ISCJB XI 02 04 47 27.9–.38 37.31N–.02 72.15E–.06 155–6 3.6b ¶11711578
NEIC XI 02 04 47 27.9–.52 37.21N 72.10E 140–6 3.7b
IDC XI 02 04 47 27.5–3.5 37.21N 72.05E 133–28 3.6,3.5
NNC XI 02 04 47 39.9–3.2 38.24N 72.30E 195–28 4.1,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.5km az=175.6.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.5km az=66.0.
IDC Error ellipse: s-maj=25.6km s-min=16.9km az=173.0.
NNC Error ellipse: s-maj=30.2km s-min=15.9km az=11.0.
NNC XI 02 20 39 11.8–6.1 39.25N 70.09E 0 3.8b,3.4
¶11749926
NNC Error ellipse: s-maj=47.5km s-min=36.8km az=19.0.
IDC XI 03 09 10 02.5–1.5 37.44N 73.13E 0 3.6,3.5b
¶12072100
IDC Error ellipse: s-maj=46.8km s-min=25.0km az=136.0.
NNC XI 03 12 56 06.6–3.7 39.02N 69.94E 0 3.5b,3.1
¶11749964
NNC Error ellipse: s-maj=28.5km s-min=24.0km az=17.0.
ISC XI 08 04 04 30.3–.21 38.63N–.03 69.57E–.03 10 4.4b,3.5s 330 4-86
NNC XI 08 04 04 23.3–3.0 38.34N 69.14E 0 4.5b,4.4 ¶13399549
IDC XI 08 04 04 27.0–.80 38.29N 69.45E 0 4.3,4.2
ISCJB XI 08 04 04 28.6–.20 38.66N–.03 69.59E–.03 10 4.4b,3.5s
BJI XI 08 04 04 30.6 38.80N 69.54E 24 4.8b,4.6b
NEIC XI 08 04 04 31.9–2.0 38.57N 69.56E 24–15 4.6b,4.6b
SZGRF XI 08 04 04 31.6 38.07N 69.67E 33 4.6b,4.6b
MOS XI 08 04 04 31.3–1.0 38.60N 69.55E 29 4.6b,4.6b
ISC Event type se.
NNC Error ellipse: s-maj=28.8km s-min=16.6km az=5.0.
IDC Error ellipse: s-maj=15.3km s-min=10.3km az=159.0.
ISCJB Event type se. Error ellipse: s-maj=4.2km s-min=3.1km az=22.2.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.8km az=225.0.
SZGRF Tajikistan.
MOS Error ellipse: s-maj=6.9km s-min=4.6km az=122.7.
ISC XI 08 08 17 39.0–1.2 37.48N–.07 72.3E–.10 175–17 3.8b 46 5-67
NEIC XI 08 08 17 37.8–1.3 37.36N 72.17E 166–16 4.5b ¶11472972
IDC XI 08 08 17 37.0–5.3 37.19N 72.47E 180–44 3.5b,3.5
ISCJB XI 08 08 17 38.5–1.1 37.51N–.07 72.4E–.10 189–16 3.8b,3.5
NNC XI 08 08 17 44.8–3.8 38.34N 71.68E 0 3.8b,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=6.0km az=58.0.
IDC Error ellipse: s-maj=72.2km s-min=36.3km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=5.8km az=147.0.
NNC Error ellipse: s-maj=31.1km s-min=24.2km az=6.0.
NNC XI 15 05 08 17.4–3.3 38.54N 69.31E 0 3.7b,3.3
¶11750645
NNC Error ellipse: s-maj=33.7km s-min=31.0km az=32.0.
ISC XI 15 22 34 51.7–.49 40.49N–.04 70.25E–.05 10 3.9b 45 3-85
IDC XI 15 22 34 48.3–1.2 40.23N 70.51E 0 3.9,3.8L ¶11750674
ISCJB XI 15 22 34 49.3–.49 40.50N–.04 70.15E–.06 10 3.9b,3.8L
NNC XI 15 22 34 49.7–4.8 40.40N 70.63E 0 3.9b,3.6
NEIC XI 15 22 34 53.4–3.2 40.38N 70.38E 31–27 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=15.8km az=5.0.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=5.2km az=176.0.
NNC Error ellipse: s-maj=48.7km s-min=28.1km az=23.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.9km az=152.0.
ISC XI 18 01 19 49.9–.39 37.39N–.03 72.04E–.08 117–6 3.8b 69 4-80
IDC XI 18 01 19 31.0–2.6 36.43N 71.93E 0 4.0,3.9 ¶11528358
ISCJB XI 18 01 19 48.6–.41 37.39N–.03 72.07E–.07 120–7 3.8b,3.9
NEIC XI 18 01 19 50.6–1.2 37.55N 71.72E 105–10 4.0b,3.9
NNC XI 18 01 19 54.4–2.4 37.83N 71.54E 135–28 3.9,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=49.7km s-min=31.7km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.6km az=9.6.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=11.7km az=123.0.
NNC Error ellipse: s-maj=20.2km s-min=11.8km az=13.0.
ISC XI 20 14 35 31.1–.38 37.60N–.03 72.27E–.07 177–9 3.4b 73 4-82
IDC XI 20 14 35 28.5–10 37.55N 72.20E 100–101 3.8L,3.6 ¶11750922
ISCJB XI 20 14 35 30.2–.38 37.60N–.03 72.26E–.07 179–9 3.4b,3.6
NEIC XI 20 14 35 32.6–.89 37.78N 72.09E 140–11 4.2b,3.6
NNC XI 20 14 35 37.8–4.5 38.20N 71.91E 188–37 4.6,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=74.6km s-min=27.2km az=9.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=4.1km az=171.6.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.2km az=122.0.
NNC Error ellipse: s-maj=41.4km s-min=19.4km az=13.0.
ISC XI 20 20 51 59.7–.43 37.37N–.03 72.19E–.07 197–7 3.7b 50 4-67
IDC XI 20 20 51 36.2–3.5 36.82N 71.98E 0 4.1b,4.0 ¶11528394
NEIC XI 20 20 51 56.4–3.3 37.09N 72.11E 178–20 4.1b,4.0
ISCJB XI 20 20 51 58.8–.42 37.38N–.03 72.18E–.07 204–7 3.7b,4.0
NNC XI 20 20 52 04.9–2.4 37.82N 72.00E 195–19 3.6,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=84.9km s-min=26.5km az=139.0.
NEIC Event type se. Error ellipse: s-maj=39.5km s-min=21.7km az=165.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.4km az=163.5.
NNC Error ellipse: s-maj=21.9km s-min=12.4km az=15.0.
ISC XI 22 01 21 58.4–.58 37.49N–.04 72.78E–.07 74–8 3.9b 54 3-81
IDC XI 22 01 21 49.8–1.2 37.17N 72.48E 0 3.9,3.8b ¶11751012
NNC XI 22 01 21 54.1–5.3 37.60N 72.62E 0 3.7b,3.4
ISCJB XI 22 01 21 56.9–.61 37.40N–.03 72.94E–.06 92–9 3.9b,3.4
NEIC XI 22 01 22 00.1–1.1 37.55N 72.40E 76–11 4.3b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=23.5km az=143.0.
NNC Error ellipse: s-maj=52.1km s-min=38.5km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.4km az=161.3.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=10.3km az=131.0.
ISC XI 22 07 43 32.1–.57 37.27N–.04 72.0E–.10 150–12 4.0b 37 3-41
ISCJB XI 22 07 43 31.3–.53 37.28N–.04 72.07E–.09 143–10 4.0b ¶11711908
IDC XI 22 07 43 32.9–21 37.40N 72.05E 115–116 3.8b,3.6L
NNC XI 22 07 43 38.6–4.1 38.32N 71.83E 0 4.1,3.9b
ISCJB Error ellipse: s-maj=11.8km s-min=5.4km az=168.9.
IDC Error ellipse: s-maj=216.1km s-min=50.6km az=178.0.
NNC Error ellipse: s-maj=32.3km s-min=25.7km az=10.0.
ISC XII 03 18 26 29.5–.54 39.00N–.03 71.42E–.06 67–6 3.9b 153 4-85
IDC XII 03 18 26 20.6–.72 38.83N 71.40E 0 4.1,3.9b ¶13401805
BJI XII 03 18 26 22.7 39.23N 71.06E 33 4.5b,4.4b
ISCJB XII 03 18 26 27.7–.59 38.98N–.03 71.44E–.06 69–7 3.9b,4.4b
MOS XII 03 18 26 27.0–2.6 39.00N 71.54E 56 4.2b,4.4b
NEIC XII 03 18 26 28.1–1.1 38.89N 71.61E 59–12 4.3b,4.4b
NNC XII 03 18 26 29.2–2.9 39.65N 71.57E 0 4.4,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=11.6km az=80.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.4km az=174.5.
MOS Error ellipse: s-maj=9.8km s-min=5.4km az=83.5.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.1km az=75.0.
NNC Error ellipse: s-maj=26.8km s-min=14.4km az=177.0.
ISC XII 05 16 10 31.4–.70 37.42N–.06 72.3E–.10 194–12 3.3b 34 4-67
IDC XII 05 16 10 08.5–2.6 36.78N 72.06E 0 4.1L,3.9 ¶12075897
ISCJB XII 05 16 10 30.6–.70 37.46N–.06 72.2E–.10 205–11 3.3b,3.9
NEIC XII 05 16 10 31.1–.73 37.37N 72.27E 196–13 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=103.8km s-min=28.1km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=8.8km az=169.8.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.7km az=72.0.
ISC XII 06 12 59 38.1–.47 37.10N–.03 72.26E–.06 106–6 4.1b 176 3-84
ISCJB XII 06 12 59 37.1–.51 37.13N–.03 72.28E–.05 112–6 4.1b ¶11527596
MOS XII 06 12 59 38.4–.77 37.26N 72.00E 110 4.3b
NEIC XII 06 12 59 38.3–.31 37.10N 72.27E 110 4.7b
IDC XII 06 12 59 39.5–.92 37.18N 71.98E 108–7 3.9,3.7b
NNC XII 06 12 59 39.8–6.3 37.38N 71.68E 95–76 4.1,3.7b
BJI XII 06 12 59 44.0 37.80N 72.20E 171 4.7b,4.7b
ISC Event type se.

ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=3.8km az=163.8.
MOS Error ellipse: s-maj=11.5km s-min=5.9km az=93.9.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=49.0.
IDC Error ellipse: s-maj=17.4km s-min=12.3km az=21.0.
NNC Error ellipse: s-maj=49.0km s-min=31.7km az=1.0.
NNC XII 11 10 57 52.1–3.2 39.06N 71.67E 0 3.9b,3.4 ¶12076911

NNC Error ellipse: s-maj=31.4km s-min=21.7km az=48.0.
ISC XII 14 15 33 13.9–4.1 40.2N–.20 71.2E–.10 11–20 11 3-12
NNC XII 14 15 33 11.1–4.1 40.05N 71.48E 0 3.4b,3.1 **¶11712230**
NNC Error ellipse: s-maj=37.0km s-min=17.4km az=0.0.
ISC XII 15 05 47 29.9–1.7 39.58N–.04 69.99E–.06 34–14 3.7b 69 4-84
IDC XII 15 05 47 27.1–1.8 39.59N 70.23E 0 3.8,3.7b **¶13402829**
NNC XII 15 05 47 27.5–1.8 39.77N 70.13E 0 4.0b,3.9
NEIC XII 15 05 47 30.0–.65 39.51N 70.14E 35 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=15.1km az=150.0.
NNC Error ellipse: s-maj=17.7km s-min=8.8km az=8.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.7km az=67.0.
IDC XII 16 04 16 05.3–13 37.11N 72.46E 214–130 2.9b,2.8 ¶12077711

IDC Error ellipse: s-maj=215.9km s-min=68.4km az=137.0.
ISC XII 17 16 18 08.3–.60 37.46N–.05 72.29E–.09 190–9 3.7b 47 4-80
ISCJB XII 17 16 18 07.4–.60 37.47N–.05 72.29E–.08 199–9 3.5b **¶12077934**
NEIC XII 17 16 18 08.3–.51 37.45N 72.31E 192–7 4.8b
IDC XII 17 16 18 10.0–7.6 37.39N 72.40E 217–61 3.5,3.4b
NNC XII 17 16 18 11.2–27 38.02N 70.68E 0 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=6.2km az=149.4.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.9km az=61.0.
IDC Error ellipse: s-maj=60.6km s-min=26.5km az=151.0.
NNC Error ellipse: s-maj=319.5km s-min=197.0km az=96.0.
ISC XII 21 03 15 48.5–.87 39.09N–.06 70.59E–.09 68–9 3.5b 62 4-86
IDC XII 21 03 15 38.8–.92 38.73N 70.71E 0 3.9,3.7b **¶12078407**
NNC XII 21 03 15 43.5–2.4 39.03N 70.52E 0 4.1,4.0b
ISCJB XII 21 03 15 47.2–.92 39.07N–.06 70.65E–.09 73–9 3.5b,4.0b
NEIC XII 21 03 15 47.5–.97 39.02N 70.70E 61–10 3.7b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=14.5km az=65.0.
NNC Error ellipse: s-maj=18.8km s-min=15.3km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=11.2km s-min=9.5km az=6.3.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.0km az=117.0.
ISC XII 21 05 38 47.5–.88 40.72N–.06 71.18E–.06 10 3.7b 45 2-77
ISCJB XII 21 05 38 46.2–1.1 40.8N–.10 71.06E–.06 10 3.7b **¶11712352**
IDC XII 21 05 38 46.4–1.5 40.76N 71.38E 0 3.8,3.7b
NEIC XII 21 05 38 47.7–1.5 40.71N 71.24E 10 3.8,3.7b
NNC XII 21 05 38 49.3–4.2 40.86N 71.65E 0 4.1,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=6.5km az=173.3.
IDC Error ellipse: s-maj=22.5km s-min=16.3km az=144.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=11.1km az=177.0.
NNC Error ellipse: s-maj=38.4km s-min=21.3km az=14.0.
ISC XII 29 12 50 06.7–2.7 40.1N–.20 72.0E–.10 10 12 2-13
NNC XII 29 12 50 10.3–5.8 40.42N 71.94E 0 3.7b,3.5 **¶11712446**
NNC Error ellipse: s-maj=56.6km s-min=24.9km az=174.0.
ISC XII 31 15 32 51.9–.34 37.21N–.03 72.03E–.05 153–6 3.6b 119 3-80
IDC XII 31 15 32 49.2–9.2 37.17N 72.00E 122–63 3.6,3.5b **¶11527876**
ISCJB XII 31 15 32 51.0–.35 37.21N–.03 72.02E–.05 158–6 3.6b,3.5b
NEIC XII 31 15 32 51.5–.62 37.23N 72.06E 145–8 4.5b,3.5b
MOS XII 31 15 32 51.1–.97 37.28N 72.02E 154 4.4b,3.5b
NNC XII 31 15 32 53.5–3.8 37.89N 71.32E 0 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=76.4km s-min=22.0km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.1km az=171.8.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.7km az=62.0.
MOS Error ellipse: s-maj=16.2km s-min=7.6km az=85.8.
NNC Error ellipse: s-maj=30.2km s-min=25.4km az=25.0.

(716) Kyrgyzstan.

ISC VII 02 05 28 29.1–1.2 41.25N–.07 73.66E–.06 10 22 1-13
NNC VII 02 05 28 28.2–8.2 41.09N 74.07E 0 3.9b,3.6 **¶11325470**
KNET VII 02 05 28 29.2–.56 41.35N 73.93E 3–2 3.1L,3.6
NNC Error ellipse: s-maj=79.7km s-min=29.2km az=164.0.
KNET Error ellipse: s-maj=3.3km s-min=1.6km az=35.0.
ISC VII 03 02 24 04.7–.54 39.11N–.03 72.08E–.06 51–6 4.2b,3.3s 133 3-91
BJI VII 03 02 23 56.7 39.09N 71.46E 20 4.4b,4.3b **¶13379232**
IDC VII 03 02 23 58.0–.74 39.16N 71.97E 0 4.3,4.1
ISCJB VII 03 02 24 01.8–.71 39.04N–.03 72.04E–.06 43–7 4.2b,3.3s
MOS VII 03 02 24 02.2–2.1 39.35N 71.89E 32 4.5b,3.3s
NNC VII 03 02 24 03.8–2.7 39.38N 71.85E 31–15 4.7b,4.5
NEIC VII 03 02 24 04.3–3.1 39.41N 71.87E 33–24 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=12.7km s-min=11.6km az=131.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=3.8km az=159.8.
MOS Error ellipse: s-maj=10.9km s-min=5.8km az=91.8.
NNC Error ellipse: s-maj=24.1km s-min=13.7km az=35.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.6km az=144.0.
ISC VII 08 15 00 30.7–2.2 42.2N–.30 72.1E–.10 35 11 1-11
NNC VII 08 15 00 24.5–1.4 42.14N 72.09E 0 3.3b,3.3 **¶11330229**
NNC Error ellipse: s-maj=18.4km s-min=5.3km az=17.0.
ISC VII 24 07 05 09.3–1.9 42.2N–.30 72.4E–.10 10 12 1-11
ISCJB VII 24 07 05 09.7–1.7 42.3N–.20 72.4E–.10 10 **¶11360917**
NNC VII 24 07 05 10.1–3.2 42.45N 72.39E 0 3.6b,3.3
ISCJB Error ellipse: s-maj=34.6km s-min=6.5km az=16.3.
NNC Error ellipse: s-maj=69.4km s-min=10.1km az=11.0.
ISC VII 25 21 30 34.9–1.4 41.0N–.10 72.9E–.10 10 8 1-3 ¶15025686

ISC VII 28 10 19 55.9–2.6 41.9N–.20 71.7E–.20 10 12 2-11
ISCJB VII 28 10 19 52.8–2.5 41.7N–.20 71.6E–.20 10 **¶11362713**
NNC VII 28 10 19 55.0–2.2 41.93N 71.79E 0 3.4b,3.3
ISCJB Error ellipse: s-maj=34.0km s-min=8.0km az=25.6.
NNC Error ellipse: s-maj=27.6km s-min=7.9km az=27.0.
ISC VII 29 02 24 47.2–2.1 39.65N–.07 72.28E–.06 11–15 3.5b 45 3-43
NNC VII 29 02 24 43.6–3.1 39.32N 72.75E 7–13 4.0b,3.7 **¶11377271**
IDC VII 29 02 24 44.6–1.9 39.55N 72.79E 0 3.6b,3.6
NEIC VII 29 02 24 55.8–3.5 40.17N 72.36E 47–23 3.6b,3.6
ISC Event type se.
NNC Error ellipse: s-maj=25.0km s-min=16.7km az=1.0.
IDC Error ellipse: s-maj=27.1km s-min=14.9km az=158.0.
NEIC Event type se. Error ellipse: s-maj=43.1km s-min=14.1km az=179.0.
ISC VIII 01 01 29 28.9–.72 41.53N–.02 71.39E–.02 12–4 4.7b,4.0s 560 2-151
LDG VIII 01 01 29 25.9–.31 41.43N 71.38E 10–0 4.9b,3.7s **¶13390552**
ISCJB VIII 01 01 29 26.3–.73 41.49N–.02 71.38E–.02 7–4 4.7b,4.0s
IDC VIII 01 01 29 26.4–.54 41.49N 71.49E 0 4.5,4.5
BJI VIII 01 01 29 27.3 41.71N 71.08E 26 4.8L,4.8b
NNC VIII 01 01 29 28.4–2.6 41.55N 71.53E 0 5.1,4.8b
SZGRF VIII 01 01 29 30.7 41.69N 71.72E 33 4.7b,4.0s
GCMT VIII 01 01 29 30.7–.30 41.52N 71.21E 18–1 4.8W,4.0s
NEIC VIII 01 01 29 30.6–1.4 41.56N 71.42E 25–10 4.8b,4.0s
MOS VIII 01 01 29 30.1–1.2 41.60N 71.43E 33 4.9b,4.0s
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=16.3km s-min=3.9km az=165.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=2.5km az=23.4.
IDC Error ellipse: s-maj=10.3km s-min=7.7km az=163.0.
NNC Error ellipse: s-maj=22.7km s-min=10.4km az=24.0.
SZGRF Kyrgyzstan.
GCMT Event type se. Data Used: IC IU CN II G. Moment Tensor Solution. s26,c28; s62,c95; Moment tensor: Scale 10^{16}Nm; M_{rr}1.87±.13 $M_{\theta\theta}$-1.01±.09; $M_{\phi\phi}$-0.86±.07; $M_{r\theta}$0.42±.24; $M_{\theta\phi}$-0.95±.05; $M_{\phi r}$-0.41±.19; Best double couple: NP1:ϕ_s212.00000°,δ47.00000°,λ67.00000°. NP2:ϕ_s63.00000°,δ48.00000°,λ112.00000°. Principal axes: T 2.0400,Plg74.0000° ,Azm46.0000°; N -0.1500,Plg16.0000°,Azm228.0000°; P -1.8900,Plg0.0000°,Azm137.0000° M_o2.00000×10^{16}

NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.5km az=195.0.
MOS Error ellipse: s-maj=5.6km s-min=3.5km az=129.9.
ISC VIII 01 19 44 13.4–1.4 41.54N–.03 71.32E–.03 16–9 4.2b,3.2s 166 2-87
LDG VIII 01 19 44 08.0–.16 41.13N 71.44E 10–0 4.5b,3.2s **¶13390633**
NNC VIII 01 19 44 10.0–3.9 41.43N 71.46E 0 4.8,4.3b
IDC VIII 01 19 44 10.8–.75 41.48N 71.47E 0 4.2,4.0
ISCJB VIII 01 19 44 12.8–1.3 41.52N–.02 71.27E–.03 24–10 4.2b,3.2s
BJI VIII 01 19 44 13.4 41.87N 71.57E 13 4.7b,4.2L
MOS VIII 01 19 44 14.4–1.1 41.63N 71.31E 33 4.4b,4.2L
NEIC VIII 01 19 44 15.9–1.4 41.61N 71.36E 34–10 4.4b,4.2L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=7.9km s-min=4.2km az=176.0.
NNC Error ellipse: s-maj=33.1km s-min=12.4km az=23.0.
IDC Error ellipse: s-maj=13.3km s-min=9.3km az=173.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.9km az=140.0.
MOS Error ellipse: s-maj=7.6km s-min=5.6km az=110.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.7km az=194.0.
ISC VIII 19 19 52 40.8–1.4 41.28N–.08 75.83E–.06 10 20 1-12
KNET VIII 19 19 52 40.9–.80 41.40N 75.65E 4–4 2.8L **¶11457576**
NNC VIII 19 19 52 42.2–1.4 41.06N 76.32E 0 4.0b,3.6
KNET Error ellipse: s-maj=5.5km s-min=2.5km az=153.0.
NNC Error ellipse: s-maj=12.3km s-min=5.4km az=152.0.
ISC VIII 21 17 19 52.5–.58 41.99N–.02 75.98E–.03 10–3 4.4b,3.4s 186 0-84
LDG VIII 21 17 19 49.1–.34 41.84N 75.97E 10–0 4.5b,3.3s **¶11277421**
IDC VIII 21 17 19 49.8–.81 41.82N 75.96E 0 4.2,4.2b
NNC VIII 21 17 19 50.9–.88 41.93N 75.96E 0 4.5b,4.5
NEIC VIII 21 17 19 51.6–1.3 41.95N 75.97E 8–6 4.5b,4.5
KNET VIII 21 17 19 51.7–.81 41.99N 75.95E 0–13 4.2L,4.5
ISCJB VIII 21 17 19 53.0–.58 42.02N–.03 76.09E–.03 29–4 4.4b,3.4s
MOS VIII 21 17 19 54.4–.93 42.10N 75.97E 33 4.6b,3.4s
BJI VIII 21 17 19 59.8 42.04N 76.97E 15 5.0b,4.4b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=17.7km s-min=5.2km az=164.0.
IDC Error ellipse: s-maj=14.8km s-min=10.5km az=172.0.
NNC Error ellipse: s-maj=5.5km s-min=4.4km az=3.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.4km az=157.0.
KNET Error ellipse: s-maj=5.2km s-min=2.5km az=0.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.9km az=44.6.
MOS Error ellipse: s-maj=8.0km s-min=5.3km az=116.5.
ISC VIII 21 19 34 06.5–.71 41.96N–.05 75.91E–.05 10 3.7b 41 0-84
IDC VIII 21 19 34 03.6–1.6 41.72N 75.69E 0 3.5b,3.5 **¶11477697**
ISCJB VIII 21 19 34 04.5–.76 41.90N–.05 75.99E–.05 10 3.7b,3.5
NNC VIII 21 19 34 05.0–.95 41.95N 75.96E 0 3.9,3.8b
BJI VIII 21 19 34 04.0 42.04N 75.68E 10 3.3L,3.8b
KNET VIII 21 19 34 05.7–.40 42.00N 75.98E 7–4 3.3L,3.8b
NEIC VIII 21 19 34 06.9–.98 41.93N 75.80E 10 4.3b,3.8b
MOS VIII 21 19 34 08.6–1.4 42.03N 75.79E 33 4.4b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=14.5km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=160.5.
NNC Error ellipse: s-maj=5.9km s-min=3.9km az=19.0.
KNET Error ellipse: s-maj=3.3km s-min=1.8km az=173.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.8km az=171.0.
MOS Error ellipse: s-maj=19.5km s-min=10.1km az=81.4.
ISC VIII 22 08 26 56.9–.96 41.41N–.02 69.17E–.03 0–6 4.3b 172 2-96
IDC VIII 22 08 26 55.5–.65 41.21N 69.28E 0 4.3,4.2L **¶13392314**
NNC VIII 22 08 26 57.7–1.4 41.47N 68.91E 0 5.3,4.8b
NEIC VIII 22 08 26 58.7–.51 41.44N 69.20E 10 4.4b,4.8b
MOS VIII 22 08 26 59.7–2.0 41.45N 69.27E 33 4.5b,4.8b
BJI VIII 22 08 27 04.4 41.49N 70.13E 10 5.0b,4.7b
ISC Event type fe.
IDC Error ellipse: s-maj=11.3km s-min=8.3km az=180.0.
NNC Error ellipse: s-maj=12.5km s-min=8.2km az=158.0.
NEIC Event type fe. Error ellipse: s-maj=9.2km s-min=7.8km az=170.0. Felt at Tashkent.
MOS Event type fe. Error ellipse: s-maj=8.3km s-min=5.5km az=90.8. Felt (II) at Chimkent. Moment Tensor Solution.
ISC VIII 24 10 04 33.0–1.5 40.06N–.03 72.85E–.05 2–10 3.8b 86 2-85
IDC VIII 24 10 04 33.5–.79 40.22N 73.11E 0 4.1,4.0 **¶11308735**
MOS VIII 24 10 04 37.5–1.8 40.36N 72.97E 33 4.1b,4.0
BJI VIII 24 10 04 39.4 40.59N 73.11E 43 4.4b,4.0L
NEIC VIII 24 10 04 40.3–2.6 40.37N 73.09E 44–21 4.4b,4.0L
NNC VIII 24 10 04 44.4–2.5 40.92N 73.10E 22–15 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=12.4km az=131.0.
MOS Error ellipse: s-maj=13.1km s-min=7.4km az=91.1.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=11.8km az=182.0.
NNC Error ellipse: s-maj=20.4km s-min=9.6km az=4.0.
ISC IX 05 13 24 49.3–.98 42.24N–.04 72.69E–.05 4–7 46 1-13
ISCJB IX 05 13 24 46.2–1.0 42.28N–.03 72.54E–.05 3–6 **¶11492155**
NNC IX 05 13 24 47.7–1.6 42.20N 72.44E 0 3.7b,3.5
NEIC IX 05 13 24 49.6–.86 42.18N 72.69E 10 3.7b,3.5
KNET IX 05 13 24 50.5–.37 42.17N 72.84E 8–2 3.0L,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.5km az=145.3.
NNC Error ellipse: s-maj=19.1km s-min=8.2km az=2.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=8.9km az=175.0.
KNET Error ellipse: s-maj=3.1km s-min=2.1km az=8.0.
ISC IX 11 17 28 00.7–.81 39.11N–.06 72.81E–.06 51–6 4.2b 143 2-152
IDC IX 11 17 27 54.0–.72 39.13N 72.70E 0 4.4,4.3 **¶11265508**
NNC IX 11 17 27 56.4–2.0 39.30N 72.52E 8–7 4.8b,4.7
MOS IX 11 17 27 58.5–2.0 39.26N 72.86E 33 4.6b,4.7
ISCJB IX 11 17 28 01.6–.52 39.28N–.03 72.87E–.05 67–5 4.2b,4.7
BJI IX 11 17 28 01.9 39.50N 72.87E 54 5.0b,4.7s
NEIC IX 11 17 28 03.0–.65 39.31N 72.80E 65–5 4.4b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=11.4km az=63.0.
NNC Error ellipse: s-maj=17.3km s-min=9.4km az=23.0.
MOS Error ellipse: s-maj=9.8km s-min=5.3km az=89.3.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=5.8km az=175.9.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.8km az=162.0.
ISC IX 13 18 18 41.9–.49 42.53N–.03 74.55E–.03 17–4 27 0-12
ISCJB IX 13 18 18 41.8–.62 42.52N–.04 74.58E–.03 11–4 **¶12612023**
KNET IX 13 18 18 41.0–.33 42.53N 74.57E 18–2 2.8L
NNC IX 13 18 18 43.4–1.9 42.88N 74.53E 0 3.7b,3.3
ISCJB Error ellipse: s-maj=6.0km s-min=4.3km az=173.8.
KNET Error ellipse: s-maj=2.7km s-min=2.2km az=160.0.
NNC Error ellipse: s-maj=29.1km s-min=8.9km az=5.0.
ISC IX 20 04 15 52.6–.66 42.26N–.04 74.85E–.04 16–5 22 0-3
KNET IX 20 04 15 51.9–.34 42.27N 74.86E 20–5 2.9L **¶11514677**
ISCJB IX 20 04 15 52.5–.74 42.26N–.03 74.83E–.04 7–6 2.9L
NNC IX 20 04 15 53.3–1.2 42.43N 74.76E 0 3.8b,3.5
KNET Error ellipse: s-maj=2.9km s-min=2.4km az=14.0.
ISCJB Error ellipse: s-maj=6.1km s-min=4.7km az=26.5.
NNC Error ellipse: s-maj=20.9km s-min=6.0km az=153.0.
ISC IX 26 22 23 18.9–1.0 40.36N–.03 72.93E–.04 7–6 4.0b,3.5s 141 2-145
IDC IX 26 22 23 17.5–.64 40.40N 73.21E 0 4.2,4.0 **¶13395275**
ISCJB IX 26 22 23 18.2–1.2 40.32N–.03 72.88E–.04 15–9 4.0b,3.5s
NEIC IX 26 22 23 21.0–2.1 40.32N 73.05E 26–16 4.1b,3.5s
MOS IX 26 22 23 22.5–1.5 40.62N 72.94E 33 4.2b,3.5s
BJI IX 26 22 23 23.0 40.52N 72.98E 26 4.1L,3.8b
NNC IX 26 22 23 27.0–1.1 40.99N 72.74E 0 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=12.9km s-min=10.3km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=5.1km az=161.9.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.5km az=59.0.
MOS Error ellipse: s-maj=10.6km s-min=6.6km az=84.0.
NNC Error ellipse: s-maj=11.4km s-min=4.5km az=175.0.
ISC IX 27 13 40 18.0–2.3 40.5N–.10 73.68E–.08 10 14 2-4
NNC IX 27 13 40 23.7–4.3 40.67N 74.18E 0 3.3b,2.9 **¶11519339**
NNC Error ellipse: s-maj=40.0km s-min=12.2km az=168.0.
NNC X 05 19 02 42.7–2.0 40.10N 73.53E 0 3.5b,3.2

¶11748109
NNC Error ellipse: s-maj=20.8km s-min=11.4km az=172.0.
NNC X 05 19 06 03.5–3.0 40.49N 73.66E 0 3.6b,3.3

¶11748110
NNC Error ellipse: s-maj=32.3km s-min=17.6km az=171.0.
NNC X 05 20 55 17.2–11 40.16N 73.46E 13–50 3.5b,3.2

¶11748114
NNC Error ellipse: s-maj=84.0km s-min=22.7km az=171.0.
NNC X 05 21 11 59.1–3.6 40.05N 73.41E 0 3.7b,3.3

¶11748116
NNC Error ellipse: s-maj=35.9km s-min=18.0km az=176.0.
ISC X 07 01 04 22.7–2.7 40.3N–.20 73.54E–.10 10 15 2-13
NNC X 07 01 04 17.9–4.4 40.11N 73.66E 0 3.5b,3.1 ¶11710927
NNC Error ellipse: s-maj=35.5km s-min=14.8km az=172.0.
KNET X 07 09 35 01.8–.45 42.02N 72.46E 0–0 2.5L

¶11710940
KNET Error ellipse: s-maj=2.9km s-min=2.3km az=14.0.
ISC X 11 07 38 17.9–2.7 40.4N–.20 73.51E–.09 10 15 2-13
NNC X 11 07 38 11.2–3.4 40.13N 73.70E 0 3.5b,3.1 ¶11711090
NNC Error ellipse: s-maj=27.7km s-min=11.6km az=172.0.
KNET X 14 02 57 24.7–.58 42.05N 73.73E 7–2 2.1L

¶11711163
KNET Error ellipse: s-maj=4.8km s-min=1.5km az=52.0.
ISC X 15 01 04 48.3–3.3 40.3N–.20 73.3E–.20 10 12 2-13
NNC X 15 01 04 36.5–4.3 39.60N 73.58E 0 3.6b,3.2 ¶11711188
NNC Error ellipse: s-maj=39.8km s-min=22.6km az=18.0.
ISC X 19 01 27 19.9–.83 41.46N–.05 75.39E–.06 10 33 1-69
IDC X 19 01 27 14.7–1.8 41.12N 74.96E 0 4.4b,3.5 ¶11711261
KNET X 19 01 27 15.5–.77 41.46N 75.69E 4–3 3.1L,3.5
ISCJB X 19 01 27 19.1–.82 41.49N–.05 75.46E–.07 10 3.1L,3.5
NNC X 19 01 27 21.8–4.4 41.60N 75.87E 0 3.8b,3.6
IDC Error ellipse: s-maj=21.9km s-min=17.0km az=91.0.
KNET Error ellipse: s-maj=4.8km s-min=2.4km az=171.0.
ISCJB Error ellipse: s-maj=7.6km s-min=6.9km az=10.8.
NNC Error ellipse: s-maj=31.6km s-min=22.6km az=155.0.
ISC X 20 19 58 01.7–1.3 41.73N–.07 75.84E–.06 10 26 1-7
NNC X 20 19 58 00.3–2.4 41.66N 75.56E 0 3.5b,3.3 ¶11711289
KNET X 20 19 58 01.7–.73 41.77N 75.76E 14–4 2.5L,3.3
NNC Error ellipse: s-maj=20.7km s-min=15.6km az=157.0.
KNET Error ellipse: s-maj=5.8km s-min=3.4km az=147.0.
ISC X 21 12 21 29.1–1.5 39.73N–.06 72.73E–.06 14–11 3.7b 45 3-83
NNC X 21 12 21 21.1–2.3 39.20N 73.00E 0 3.8b,3.6 ¶11711303
IDC X 21 12 21 21.5–1.7 39.35N 73.36E 0 3.8b,3.7
NEIC X 21 12 21 30.1–.97 39.65N 72.94E 35 3.8b,3.7
ISC Event type se.
NNC Error ellipse: s-maj=18.4km s-min=10.1km az=0.0.
IDC Error ellipse: s-maj=39.3km s-min=22.6km az=65.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.6km az=135.0.
ISC X 24 02 59 26.8–1.1 41.19N–.05 73.80E–.04 2–6 3.4b 89 1-68
NNC X 24 02 59 23.2–1.5 40.96N 73.91E 0 4.0b,3.8 ¶11711357
IDC X 24 02 59 25.9–1.3 41.17N 73.75E 0 3.8b,3.7
ISCJB X 24 02 59 25.4–1.0 41.13N–.04 73.82E–.04 6–7 3.4b,3.7
KNET X 24 02 59 27.2–.53 41.24N 74.02E 3–3 3.4L,3.7
MOS X 24 02 59 29.6–2.0 41.27N 73.66E 33 4.3b,3.7
NEIC X 24 02 59 31.1–.74 41.32N 73.67E 35 4.3b,3.7
ISC Event type se.
NNC Error ellipse: s-maj=17.0km s-min=5.7km az=177.0.
IDC Error ellipse: s-maj=18.0km s-min=10.1km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.1km az=161.3.
KNET Error ellipse: s-maj=3.4km s-min=2.7km az=44.0.
MOS Error ellipse: s-maj=14.8km s-min=6.1km az=71.2.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.7km az=142.0.
ISC X 26 07 15 18.4–1.2 42.0N–.10 72.66E–.06 10 16 1-2
ISCJB X 26 07 15 17.5–1.3 41.9N–.10 72.63E–.06 10 ¶11711412
KNET X 26 07 15 17.2–.41 41.94N 72.74E 5–2 2.5L
ISCJB Error ellipse: s-maj=16.7km s-min=6.2km az=3.9.
KNET Error ellipse: s-maj=2.7km s-min=2.2km az=107.0.
ISC X 27 20 16 36.1–1.9 41.08N–.07 72.27E–.06 29–15 3.4b 41 1-41
IDC X 27 20 16 30.3–3.3 40.99N 72.39E 0 3.7b,3.7 ¶11711448
NEIC X 27 20 16 33.7–.68 41.12N 72.23E 10 3.7b,3.7
ISCJB X 27 20 16 35.3–.87 41.04N–.06 72.27E–.08 46–14 3.4b,3.7
NNC X 27 20 16 37.1–4.2 41.49N 72.30E 0 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=72.3km s-min=13.3km az=156.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=7.4km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=9.1km az=135.7.
NNC Error ellipse: s-maj=43.1km s-min=20.0km az=5.0.
ISC XI 02 11 05 38.6–3.3 41.3N–.20 74.02E–.10 10 13 1-3
NNC XI 02 11 05 14.9–2.0 39.80N 73.49E 0 4.2b,3.9 ¶11711581
NNC Error ellipse: s-maj=16.2km s-min=7.1km az=6.0.
ISC XI 06 05 55 02.8–5.4 40.1N–.40 73.6E–.10 10 15 2-15
NNC XI 06 05 54 58.7–4.0 40.00N 73.73E 0 3.7b,3.4 ¶11750126
NNC Error ellipse: s-maj=37.4km s-min=19.6km az=160.0.
ISC XI 08 13 24 47.4–3.3 41.1N–.20 75.7E–.20 10 12 1-4
NNC XI 08 13 24 37.1–16 40.39N 76.23E 0 3.7b,3.3 ¶11711682
NNC Error ellipse: s-maj=173.2km s-min=101.9km az=128.0.
ISC XI 08 16 10 13.2–4.3 40.0N–.20 73.5E–.10 14–25 12 2-13
NNC XI 08 16 10 06.1–5.3 39.78N 73.68E 0 3.5b,3.2 ¶11711683
NNC Error ellipse: s-maj=43.3km s-min=23.2km az=169.0.
ISC XI 26 15 13 14.2–1.5 41.7N–.10 72.83E–.06 10 15 1-2
KNET XI 26 15 13 10.3–.47 41.64N 72.73E 0–0 2.9L ¶11711978
ISCJB XI 26 15 13 15.1–1.6 41.8N–.10 72.86E–.06 10 2.9L
ISC XII 03 04 26 28.7–.53 42.72N–.02 73.21E–.02 5–3 4.6b,4.0s 424 0-153
LDG XII 03 04 26 26.8–.12 42.55N 73.16E 10–0 4.9b,3.7s ¶13401768
IDC XII 03 04 26 27.4–.49 42.69N 73.22E 0 4.8L,4.6
ISCJB XII 03 04 26 27.7–.56 42.70N–.02 73.16E–.02 9–3 4.6b,4.0s
NNC XII 03 04 26 27.1–.58 42.73N 73.05E 0 5.1b,5.0
NEIC XII 03 04 26 28.8–1.8 42.72N 73.23E 6–11 4.9b,5.0
KNET XII 03 04 26 29.5–.48 42.64N 73.29E 17–1 4.7L,5.0
MOS XII 03 04 26 30.2–.85 42.66N 73.18E 27 4.8b,4.0s
BJI XII 03 04 26 32.0 42.93N 72.90E 54 4.8L,4.8b
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=6.7km s-min=3.7km az=2.0.
IDC Error ellipse: s-maj=9.6km s-min=8.3km az=139.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=2.4km az=10.4.
NNC Error ellipse: s-maj=8.1km s-min=2.8km az=2.0.
NEIC Event type fe. Error ellipse: s-maj=5.2km s-min=3.4km az=183.0. Felt at Bishkek, Kyrgyzstan.
KNET Error ellipse: s-maj=3.2km s-min=2.3km az=102.0.
MOS Error ellipse: s-maj=7.1km s-min=4.7km az=35.7.
ISC XII 10 15 23 54.2–.93 40.18N–.08 73.01E–.07 10 3.6b 88 2-85
IDC XII 10 15 23 48.7–1.1 39.69N 73.42E 0 3.9,3.7L ¶13402406
ISCJB XII 10 15 23 52.4–.93 40.15N–.08 73.08E–.07 10 3.6b,3.7L
MOS XII 10 15 23 58.0–1.6 40.39N 72.80E 33 4.1b,3.7L
NEIC XII 10 15 24 00.4–1.2 40.43N 72.87E 45–11 4.1b,3.7L
NNC XII 10 15 24 02.1–3.7 40.87N 72.83E 0 4.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=15.2km az=147.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=6.7km az=157.0.
MOS Error ellipse: s-maj=12.9km s-min=6.4km az=82.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.4km az=149.0.
NNC Error ellipse: s-maj=39.1km s-min=16.5km az=171.0.
ISC XII 14 03 27 43.1–1.6 41.6N–.10 72.92E–.09 10 14 1-3
KNET XII 14 03 27 42.0–.62 41.56N 73.07E 14–3 2.8L ¶11712223
ISCJB XII 14 03 27 42.5–1.7 41.6N–.10 72.90E–.08 10 2.8L
NNC XII 14 03 27 43.4–1.6 41.70N 72.92E 0 3.9b,3.4
KNET Error ellipse: s-maj=6.7km s-min=3.3km az=148.0.
ISCJB Error ellipse: s-maj=21.1km s-min=8.4km az=170.0.
NNC Error ellipse: s-maj=21.7km s-min=5.9km az=1.0.
ISC XII 14 08 18 08.0–3.5 39.9N–.20 72.4E–.10 11–13 14 2-13
NNC XII 14 08 18 12.5–7.5 40.32N 72.50E 0 3.3b,2.9 ¶11712224
NNC Error ellipse: s-maj=71.5km s-min=33.0km az=21.0.
ISC XII 24 19 42 34.6–1.4 39.08N–.03 72.07E–.05 1–9 3.9b 144 3-83
IDC XII 24 19 42 36.0–.78 39.28N 72.27E 0 4.0,3.8b ¶13403873
ISCJB XII 24 19 42 35.8–.67 39.06N–.03 72.14E–.05 20–5 3.8b,3.8b
NEIC XII 24 19 42 36.6–.33 39.14N 72.32E 10 4.4b,3.8b
MOS XII 24 19 42 38.2–1.2 39.16N 72.29E 33 4.2b,3.8b
NNC XII 24 19 42 39.1–2.0 39.49N 72.20E 0 4.3b,4.1
BJI XII 24 19 42 43.7 39.50N 72.70E 50 4.5b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=13.1km s-min=12.5km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.3km az=172.3.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.3km az=56.0.
MOS Error ellipse: s-maj=12.0km s-min=6.3km az=86.9.
NNC Error ellipse: s-maj=17.2km s-min=9.5km az=17.0.
ISC XII 27 12 19 27.1–3.0 41.7N–.30 72.1E–.20 10 13 1-11
NNC XII 27 12 19 22.4–1.4 41.46N 72.43E 0 3.6b,3.4 ¶11712427
ISCJB XII 27 12 19 24.1–3.1 41.5N–.30 71.9E–.20 10 3.6b,3.4
ISC XII 30 05 06 49.6–1.4 41.70N–.07 74.40E–.05 10 20 1-8
ISCJB XII 30 05 06 48.8–1.3 41.67N–.07 74.40E–.06 10 ¶11712455
KNET XII 30 05 06 49.0–.75 41.74N 74.42E 10–5 2.6L
NNC XII 30 05 06 52.5–2.5 41.89N 74.43E 0 3.7b,3.5
ISCJB Error ellipse: s-maj=9.7km s-min=6.3km az=177.2.
KNET Error ellipse: s-maj=4.4km s-min=2.6km az=178.0.
NNC Error ellipse: s-maj=33.3km s-min=12.9km az=147.0.

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NNC VII 01 05 06 36.2–3.4 37.02N 70.97E 185–57 3.5,2.6b

¶11325424
NNC Error ellipse: s-maj=44.0km s-min=16.9km az=35.0.
ISC VII 01 18 33 28.6–3.2 38.1N–.30 71.9E–.20 10 3.5b 20 4-44
IDC VII 01 18 33 06.9–3.3 35.77N 72.93E 0 3.7b,3.5 ¶12697926
NNC VII 01 18 34 09.3–3.3 41.38N 73.03E 0 3.9b,3.6
IDC Error ellipse: s-maj=51.1km s-min=31.5km az=129.0.
NNC Error ellipse: s-maj=37.8km s-min=16.0km az=172.0.
ISC VII 01 22 07 28.6–.44 36.41N–.03 71.31E–.05 107–7 3.8b 73 3-81
ISCJB VII 01 22 07 27.4–.47 36.44N–.03 71.32E–.05 108–7 3.8b ¶11325462
NEIC VII 01 22 07 29.4–.85 36.51N 71.11E 98–9 3.7b
NNC VII 01 22 07 33.6–4.6 36.85N 70.88E 95–59 3.8,3.4b
IDC VII 01 22 07 35.8–7.5 36.98N 71.05E 130–52 3.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.1km az=161.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.1km az=140.0.
NNC Error ellipse: s-maj=35.9km s-min=27.2km az=18.0.
IDC Error ellipse: s-maj=59.6km s-min=32.3km az=6.0.
NNC VII 03 08 19 36.3–15 38.88N 71.66E 0 3.4b,3.1

¶11325515
NNC Error ellipse: s-maj=117.7km s-min=80.0km az=6.0.
ISC VII 03 08 45 10.6–1.6 37.90N–.04 69.97E–.06 3–9 4.2b,3.8s 65 3-86
IDC VII 03 08 45 05.8–1.1 37.39N 70.33E 0 4.1,4.0 ¶13379264
BJI VII 03 08 45 08.0 38.08N 69.90E 9 4.8b,4.6b
NEIC VII 03 08 45 09.5–.70 37.69N 70.10E 10 4.1b,4.6b
ISCJB VII 03 08 45 10.2–1.5 37.87N–.05 69.93E–.07 15–9 4.2b,3.8s
NNC VII 03 08 45 12.6–1.8 37.84N 69.77E 30–14 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=16.8km az=127.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.9km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.1km az=150.2.
NNC Error ellipse: s-maj=19.8km s-min=15.4km az=93.0.
ISC VII 03 17 35 31.9–2.5 39.0N–.20 70.2E–.10 10 13 4-13
NNC VII 03 17 35 33.4–2.2 39.15N 70.31E 9–6 3.9b,3.6 ¶11325529
NNC Error ellipse: s-maj=15.6km s-min=12.4km az=18.0.
ISC VII 04 00 44 52.6–.62 37.36N–.05 71.57E–.07 118–7 3.6b 43 3-80
BJI VII 04 00 44 48.1 36.63N 71.86E 123 4.6b ¶11325535
ISCJB VII 04 00 44 51.2–.64 37.36N–.05 71.59E–.07 121–7 3.6b
NEIC VII 04 00 44 52.5–.90 37.34N 71.59E 118–10 4.2b
IDC VII 04 00 44 55.2–6.3 37.50N 71.68E 135–41 3.4,3.3b
NNC VII 04 00 44 57.4–3.5 37.76N 71.66E 190–62 3.8,2.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=6.0km az=33.1.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.1km az=134.0.
IDC Error ellipse: s-maj=64.6km s-min=27.1km az=159.0.
NNC Error ellipse: s-maj=40.2km s-min=16.6km az=9.0.
NNC VII 05 00 47 07.9–3.1 38.83N 70.38E 0 3.5b,3.1

¶11327855
NNC Error ellipse: s-maj=30.1km s-min=15.7km az=175.0.
ISC VII 09 20 32 32.4–.97 38.34N–.07 71.48E–.08 65–12 3.5b 24 4-83
IDC VII 09 20 32 23.2–1.5 37.98N 71.56E 0 3.7b,3.7 ¶11331865
ISCJB VII 09 20 32 30.7–1.1 38.35N–.07 71.48E–.08 64–13 3.5b,3.7
NEIC VII 09 20 32 32.8–.99 38.34N 71.43E 67–12 3.5b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=18.5km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=10.4km az=179.2.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.2km az=122.0.
ISC VII 10 19 22 26.6–.42 36.64N–.03 71.05E–.07 205–5 3.4b 51 3-84
IDC VII 10 19 22 23.7–6.6 36.45N 71.15E 187–57 3.3b,3.3 ¶11687606
ISCJB VII 10 19 22 25.5–.42 36.63N–.03 71.03E–.07 215–5 3.4b,3.3
NEIC VII 10 19 22 25.7–.71 36.51N 71.23E 211–7 4.2b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=54.9km s-min=19.4km az=38.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.8km az=0.5.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.0km az=100.0.
ISC VII 10 23 34 49.0–.69 37.37N–.05 71.28E–.10 91–11 32 3-40
IDC VII 10 23 34 44.4–9.4 37.10N 71.63E 106–63 3.7b,3.4 ¶11342087
ISCJB VII 10 23 34 47.4–.74 37.37N–.05 71.3E–.10 96–12 3.7b,3.4
NEIC VII 10 23 34 48.7–.80 37.41N 71.22E 78–12 3.3b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=86.4km s-min=53.0km az=153.0.
ISCJB Event type se. Error ellipse: s-maj=15.1km s-min=5.9km az=28.6.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.2km az=121.0.
ISC VII 12 02 21 07.9–.78 36.68N–.08 71.1E–.10 99–10 3.6b 41 3-44
IDC VII 12 02 20 39.4–35 34.63N 72.05E 0 3.8b,3.7 ¶11344691
ISCJB VII 12 02 21 06.3–.80 36.67N–.08 71.2E–.10 101–11 3.6b,3.7
NEIC VII 12 02 21 07.2–1.1 36.56N 71.35E 109–11 4.1b,3.7
NNC VII 12 02 21 13.2–2.9 37.50N 70.78E 0 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=644.7km s-min=43.3km az=157.0.
ISCJB Event type se. Error ellipse: s-maj=22.6km s-min=6.0km az=34.5.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=9.3km az=130.0.
NNC Error ellipse: s-maj=23.7km s-min=23.0km az=49.0.
ISC VII 13 05 22 28.6–.37 36.82N–.02 71.36E–.05 106–5 4.0b 117 3-84
ISCJB VII 13 05 22 27.2–.40 36.84N–.02 71.35E–.05 108–5 4.0b ¶11227063
IDC VII 13 05 22 27.1–1.1 36.81N 71.39E 89–8 3.9,3.8
MOS VII 13 05 22 27.9–1.5 36.94N 71.27E 108 4.2b,3.8
NNC VII 13 05 22 28.8–3.7 36.96N 70.90E 117–46 4.8,4.0b
NEIC VII 13 05 22 28.4–.81 36.85N 71.34E 101–7 4.6b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.6km az=174.6.
IDC Error ellipse: s-maj=16.9km s-min=14.1km az=11.0.
MOS Error ellipse: s-maj=13.5km s-min=6.8km az=82.6.
NNC Error ellipse: s-maj=29.1km s-min=22.4km az=9.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.0km az=135.0.
ISC VII 14 14 52 00.0–.97 36.53N–.08 71.50E–.10 111–9 3.9b 35 3-45
ISCJB VII 14 14 51 58.9–1.0 36.56N–.07 71.49E–.10 113–10 3.9b ¶11346148
NEIC VII 14 14 52 00.0–1.2 36.55N 71.39E 113–13 4.3b
IDC VII 14 14 52 01.5–8.7 36.58N 71.53E 126–61 3.4,3.3b
NNC VII 14 14 52 03.8–7.6 36.94N 71.13E 150–149 4.0,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.3km s-min=9.0km az=41.9.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=10.7km az=134.0.
IDC Error ellipse: s-maj=76.4km s-min=49.9km az=165.0.
NNC Error ellipse: s-maj=72.8km s-min=41.6km az=8.0.

ISC VII 19 23 08 40.1–.87 38.23N–.06 71.42E–.06 42–8 4.1b 101 4-83
NNC VII 19 23 08 31.3–2.8 38.22N 71.21E 2–25 4.6b,4.5 **¶13389603**
IDC VII 19 23 08 32.1–1.0 38.09N 71.43E 0 4.2,4.1
MOS VII 19 23 08 35.5–1.6 38.05N 71.58E 33 4.6b,4.1
BJI VII 19 23 08 35.2 38.31N 71.56E 23 4.2s,4.2L
NEIC VII 19 23 08 40.9–1.0 38.39N 71.45E 49–10 4.4b,4.2L
ISC Event type se.
NNC Error ellipse: s-maj=30.3km s-min=16.2km az=17.0.
IDC Error ellipse: s-maj=20.7km s-min=13.5km az=149.0.
MOS Error ellipse: s-maj=10.2km s-min=6.3km az=101.6.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=9.1km az=139.0.
ISC VII 21 03 37 40.0–.89 36.53N–.07 71.2E–.10 99–9 3.5b 31 3-66
IDC VII 21 03 37 22.3–3.3 35.72N 71.68E 0 3.7b,3.7 **¶11360822**
ISCJB VII 21 03 37 38.8–.91 36.57N–.07 71.2E–.10 96–11 3.5b,3.7
NEIC VII 21 03 37 38.8–1.3 36.36N 71.43E 108–12 4.1b,3.7
NNC VII 21 03 37 39.9–15 36.59N 70.71E 80–411 3.8,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=67.2km s-min=26.5km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=21.4km s-min=6.4km az=31.4.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=10.4km az=126.0.
NNC Error ellipse: s-maj=183.7km s-min=102.9km az=62.0.
ISC VII 22 06 16 43.6–2.2 38.7N–.10 70.0E–.10 35 11 4-13
NNC VII 22 06 16 43.1–5.9 38.96N 70.27E 0 3.6b,3.3 **¶11360855**
NNC Error ellipse: s-maj=44.2km s-min=31.9km az=11.0.
ISC VII 22 19 40 15.3–.30 36.67N–.02 71.04E–.04 193–3 4.1b 172 3-84
ISCJB VII 22 19 40 13.9–.31 36.63N–.02 71.07E–.03 193–3 4.1b **¶11153574**
MOS VII 22 19 40 15.9–1.0 36.69N 71.17E 213 4.2b
BJI VII 22 19 40 15.7 36.88N 71.02E 208 4.5b,4.4b
IDC VII 22 19 40 15.9–2.9 36.54N 71.06E 210–26 3.9,3.7b
NEIC VII 22 19 40 16.1–.59 36.66N 71.08E 204–6 4.8b,3.7b
NNC VII 22 19 40 20.2–7.5 37.06N 70.86E 204–67 4.7,3.5b
TEH VII 22 19 41 02.0 35.37N 66.30E 18 4.7,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.8km s-min=3.0km az=152.7.
MOS Error ellipse: s-maj=10.4km s-min=6.5km az=88.3.
IDC Error ellipse: s-maj=17.7km s-min=11.2km az=21.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.7km az=55.0.
NNC Error ellipse: s-maj=65.6km s-min=36.3km az=9.0.
NNC VII 25 03 11 57.2–3.8 38.64N 70.16E 0 3.4b,2.9
¶11362211
NNC Error ellipse: s-maj=35.4km s-min=21.9km az=171.0.
ISC VII 27 12 15 49.7–.30 36.58N–.02 71.15E–.04 226–4 3.8b 148 3-78
BJI VII 27 12 15 47.6 36.64N 70.94E 240 4.8b **¶11169707**
ISCJB VII 27 12 15 48.7–.30 36.54N–.02 71.12E–.04 233–4 3.8b
MOS VII 27 12 15 49.0–.55 36.52N 71.11E 239 3.8b
NEIC VII 27 12 15 49.9–.51 36.55N 71.07E 226–6 4.1b
IDC VII 27 12 15 51.8–2.2 36.63N 71.19E 248–20 3.6,3.6
NNC VII 27 12 15 56.3–2.5 37.12N 71.19E 250–17 4.5,3.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.7km az=165.5.
MOS Error ellipse: s-maj=10.0km s-min=6.4km az=109.7.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.8km az=49.0.
IDC Error ellipse: s-maj=23.2km s-min=12.6km az=141.0.
NNC Error ellipse: s-maj=27.8km s-min=12.5km az=35.0.
ISC VII 27 14 41 48.6–.29 36.68N–.02 71.51E–.03 163–3 4.5b 521 3-150
SZGRF VII 27 14 41 20.2 34.85N 73.12E 33 5.0b **¶11153828**
BJI VII 27 14 41 43.7 36.79N 70.94E 160 4.8b,4.6b
ISCJB VII 27 14 41 47.7–.30 36.67N–.02 71.51E–.03 172–3 4.5b,4.6b
NEIC VII 27 14 41 48.8–.49 36.71N 71.53E 167–5 4.6b,4.6b
MOS VII 27 14 41 48.5–.89 36.74N 71.50E 175 4.6b,4.6b
IDC VII 27 14 41 51.1–.63 36.76N 71.52E 186–5 4.1,4.0
NNC VII 27 14 41 55.5–6.6 37.31N 71.20E 228–59 5.4,3.9b
BGS VII 27 14 42 03.5–1.5 37.77N 69.21E 167–0 4.6b,3.9b
ISC Event type se.
SZGRF Pakistan.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=3.1km az=151.9.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.3km az=212.0.
MOS Error ellipse: s-maj=6.8km s-min=3.5km az=129.1.
IDC Error ellipse: s-maj=11.1km s-min=9.6km az=10.0.
NNC Error ellipse: s-maj=61.0km s-min=30.4km az=11.0.
BGS Error ellipse: s-maj=629.4km s-min=850.5km az=-1.0.
ISC VII 28 03 55 57.2–.35 36.63N–.03 71.14E–.05 199–4 3.6b 93 3-84
BJI VII 28 03 55 56.9 36.83N 71.04E 232 4.6b **¶11227153**
ISCJB VII 28 03 55 56.1–.34 36.63N–.03 71.10E–.05 207–5 3.6b
MOS VII 28 03 55 56.9–1.2 36.59N 71.11E 216 4.1b
NEIC VII 28 03 55 57.6–.60 36.62N 71.17E 202–6 4.4b
IDC VII 28 03 55 58.2–3.7 36.56N 71.10E 215–31 3.5,3.4b
NNC VII 28 03 56 03.2–6.7 37.59N 70.42E 0 4.4b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.9km az=163.5.
MOS Error ellipse: s-maj=13.4km s-min=8.5km az=89.3.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.0km az=61.0.
IDC Error ellipse: s-maj=29.6km s-min=15.2km az=46.0.
NNC Error ellipse: s-maj=51.8km s-min=49.3km az=24.0.
ISC VII 30 22 50 32.8–.79 36.53N–.08 71.5E–.20 137–21 13 3-15
¶15025708
ISC VIII 01 09 45 21.6–.48 36.37N–.03 71.56E–.06 111–8 3.6b 45 3-66
IDC VIII 01 09 45 19.4–6.6 36.31N 71.44E 85–58 3.6L,3.6 **¶11379041**
ISCJB VIII 01 09 45 20.1–.51 36.37N–.03 71.59E–.06 115–9 3.6b,3.6
NEIC VIII 01 09 45 22.3–1.0 36.50N 71.27E 103–10 4.4b,3.6
NNC VIII 01 09 45 31.2–18 37.27N 71.33E 216–244 4.0,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=58.3km s-min=42.3km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=5.3km az=0.1.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=9.2km az=130.0.
NNC Error ellipse: s-maj=175.7km s-min=95.2km az=12.0.
ISC VIII 01 19 06 45.5–.25 36.60N–.02 71.30E–.02 196–3 4.4b 555 3-135
SZGRF VIII 01 19 06 21.5 35.70N 71.50E 33 4.7b,4.0s **¶11154079**
NNC VIII 01 19 06 42.4–9.1 37.11N 71.42E 0 4.9,4.6b
ISCJB VIII 01 19 06 44.6–.25 36.58N–.02 71.29E–.02 205–3 4.4b,4.6b
NEIC VIII 01 19 06 46.0–.52 36.58N 71.35E 207–5 4.5b,4.6b
MOS VIII 01 19 06 45.9–.92 36.62N 71.35E 220 4.4b,4.6b
BJI VIII 01 19 06 45.4 36.78N 71.21E 212 4.6b,4.5b
IDC VIII 01 19 06 47.6–.56 36.66N 71.37E 220–4 4.2,4.1b
TEH VIII 01 19 07 28.3 36.01N 66.93E 18 4.2,4.1b
ISC Event type se.
SZGRF Pakistan.
NNC Error ellipse: s-maj=97.3km s-min=51.2km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=3.4km s-min=2.8km az=36.1.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.9km az=191.0.
MOS Error ellipse: s-maj=6.7km s-min=3.7km az=128.8.
IDC Error ellipse: s-maj=9.8km s-min=7.9km az=158.0.
NNC VIII 02 08 28 15.0–9.5 38.26N 71.39E 0 3.6b,3.3
¶11382216
NNC Error ellipse: s-maj=68.8km s-min=43.0km az=177.0.
ISC VIII 02 10 40 38.5–.60 38.34N–.05 71.72E–.10 48–16 3.9b 31 4-43
BJI VIII 02 10 40 32.3 38.97N 71.14E 30 3.9b,3.4L **¶11382221**
NNC VIII 02 10 40 35.9–6.6 38.59N 70.84E 0 4.1b,3.8
ISCJB VIII 02 10 40 36.7–.74 38.35N–.05 71.67E–.09 50–16 3.9b,3.8
NEIC VIII 02 10 40 37.5–1.1 38.19N 71.84E 44–21 3.9b,3.8
IDC VIII 02 10 40 45.5–7.2 38.74N 71.96E 104–56 3.7,3.6
ISC Event type se.
NNC Error ellipse: s-maj=60.0km s-min=44.4km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.2km az=26.6.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=10.8km az=123.0.
IDC Error ellipse: s-maj=66.9km s-min=49.8km az=153.0.
ISC VIII 02 16 19 49.4–.55 36.44N–.03 71.61E–.06 107–8 3.8b 61 3-66
IDC VIII 02 16 19 35.9–3.4 36.00N 71.35E 0 4.0b,4.0 **¶11377457**
ISCJB VIII 02 16 19 47.9–.62 36.46N–.03 71.62E–.06 107–10 3.8b,4.0
BJI VIII 02 16 19 49.7 36.86N 71.02E 116 4.3b,4.0
NEIC VIII 02 16 19 50.1–1.5 36.50N 71.29E 103–16 3.9b,4.0
NNC VIII 02 16 19 57.0–13 37.10N 70.75E 185–124 3.6,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=64.0km s-min=25.5km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.4km az=161.7.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=12.9km az=130.0.
NNC Error ellipse: s-maj=123.4km s-min=72.5km az=24.0.
ISC VIII 02 19 28 31.0–.48 36.58N–.04 71.1E–.10 200–7 3.4b 34 3-84
IDC VIII 02 19 28 28.9–7.0 36.40N 71.12E 184–60 3.1b,3.1 **¶11382229**
ISCJB VIII 02 19 28 30.1–.49 36.59N–.04 71.1E–.10 208–8 3.4b,3.1
NEIC VIII 02 19 28 30.7–.74 36.51N 71.12E 201–8 3.9b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=58.3km s-min=21.7km az=39.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=6.4km az=6.4.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.1km az=116.0.
ISC VIII 04 14 40 05.6–.36 37.15N–.03 71.84E–.04 118–6 3.8b 91 3-81
ISCJB VIII 04 14 40 04.7–.42 37.17N–.03 71.86E–.04 123–7 3.8b **¶11382286**
BJI VIII 04 14 40 07.1 37.42N 71.97E 127 4.8b,4.4b
NEIC VIII 04 14 40 09.2–.82 37.46N 71.86E 134–7 4.2b,4.4b
IDC VIII 04 14 40 15.0–5.8 37.78N 72.03E 169–38 3.7,3.6
NNC VIII 04 14 40 16.4–10 38.01N 72.10E 140–108 4.5,3.6b
TEH VIII 04 14 40 55.6 37.57N 67.12E 18 4.5,3.6b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=152.2.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.4km az=137.0.
IDC Error ellipse: s-maj=50.1km s-min=18.1km az=16.0.
NNC Error ellipse: s-maj=88.8km s-min=48.9km az=5.0.
ISC VIII 06 12 40 50.4–2.5 39.0N–.20 70.3E–.10 35 15 4-13
NNC VIII 06 12 40 47.5–7.8 38.71N 70.58E 183–123 3.6,2.7b **¶11391610**
NNC Error ellipse: s-maj=92.2km s-min=34.5km az=16.0.
ISC VIII 07 05 35 16.9–.57 36.80N–.06 71.4E–.10 104–12 38 3-49
ISCJB VIII 07 05 35 15.7–.58 36.85N–.06 71.3E–.10 108–14 **¶11395849**
NEIC VIII 07 05 35 16.7–.72 36.82N 71.38E 103–16 4.0b
NNC VIII 07 05 35 16.9–6.3 37.25N 70.88E 11–34 4.2b,4.2
IDC VIII 07 05 35 17.7–8.4 36.82N 71.46E 108–59 3.8,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=6.2km az=31.4.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=9.5km az=114.0.
NNC Error ellipse: s-maj=44.6km s-min=37.9km az=173.0.
IDC Error ellipse: s-maj=73.4km s-min=51.3km az=163.0.
ISC VIII 07 14 36 28.8–.46 36.67N–.03 71.19E–.06 205–5 3.3b 53 3-84
IDC VIII 07 14 36 25.8–3.9 36.47N 71.07E 186–32 3.3b,3.3 **¶11395873**
ISCJB VIII 07 14 36 27.8–.46 36.67N–.03 71.17E–.06 214–6 3.3b,3.3
BJI VIII 07 14 36 27.4 36.48N 71.18E 208 4.1b,3.3
NEIC VIII 07 14 36 28.7–.75 36.62N 71.15E 211–7 4.4b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=19.9km az=5.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.3km az=179.5.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.7km az=124.0.
ISC VIII 07 23 03 14.9–.58 38.45N–.05 71.48E–.07 10 4.0b 28 4-40
BJI VIII 07 23 03 03.1 38.18N 70.37E 12 3.3L **¶11395881**
IDC VIII 07 23 03 10.1–8.4 37.71N 71.96E 34–50 4.0b,3.7
ISCJB VIII 07 23 03 13.0–.56 38.44N–.05 71.50E–.07 10 4.0b,3.7
NEIC VIII 07 23 03 18.1–1.1 38.42N 71.30E 39–17 3.8b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=70.3km s-min=36.2km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.0km az=41.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=10.8km az=131.0.
ISC VIII 08 13 59 02.4–.30 36.39N–.02 71.14E–.03 112–3 4.5b 284 3-89
BJI VIII 08 13 58 58.2 36.53N 70.55E 111 4.8b,4.7b **¶11160000**
ISCJB VIII 08 13 59 00.9–.38 36.40N–.02 71.11E–.03 113–4 4.5b,4.7b
MOS VIII 08 13 59 02.4–.97 36.49N 71.08E 123 4.5b,4.7b
NEIC VIII 08 13 59 03.5–.63 36.45N 71.10E 122–5 4.5b,4.7b
IDC VIII 08 13 59 04.8–.84 36.43N 71.07E 136–7 4.4,4.2
NNC VIII 08 13 59 07.7–4.5 36.86N 70.70E 185–37 5.3,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.1km az=152.4.
MOS Error ellipse: s-maj=7.5km s-min=4.5km az=109.2.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.1km az=170.0.
IDC Error ellipse: s-maj=12.8km s-min=10.7km az=1.0.
NNC Error ellipse: s-maj=37.3km s-min=29.0km az=30.0.
NNC VIII 11 09 54 25.5–9.8 37.90N 71.20E 0 3.8b,3.4
¶11415077
NNC Error ellipse: s-maj=81.3km s-min=74.3km az=25.0.
ISC VIII 12 05 25 36.1–.11 36.42N–.02 71.50E–.02 95 4.9b 612 3-150
SZGRF VIII 12 05 25 20.8 35.79N 72.67E 33 5.4b **¶11164781**
MOS VIII 12 05 25 28.4–1.1 36.51N 71.47E 33 5.4b,4.1s
TEH VIII 12 05 25 33.0 36.69N 71.49E 33 5.4b,4.1s
ISCJB VIII 12 05 25 34.3–.11 36.43N–.02 71.49E–.02 93 4.9b,4.1s
IDC VIII 12 05 25 35.9–.44 36.52N 71.41E 93–3 4.4,4.4
NNC VIII 12 05 25 36.0–7.9 37.03N 70.94E 0 4.9,4.8b
BJI VIII 12 05 25 36.1 36.56N 71.49E 89 4.9b,4.8b
NEIC VIII 12 05 25 36.2–.62 36.55N 71.47E 91–5 5.1b,4.8b
GCMT VIII 12 05 25 37.9–.30 36.32N 71.06E 110–4 5.0W,4.8b
ISC Event type se.
SZGRF Pakistan.
MOS Error ellipse: s-maj=7.2km s-min=3.5km az=130.3.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.9km az=30.5.
IDC Error ellipse: s-maj=10.8km s-min=8.6km az=3.0.
NNC Error ellipse: s-maj=74.2km s-min=51.2km az=36.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.9km az=193.0.
GCMT Event type se. Data Used: II IC IU CN G. Moment Tensor Solution. s20,c24; s56,c89;
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.11±.25 $M_{\theta\theta}$2.87±.24; $M_{\phi\phi}$-2.76±.22; $M_{r\theta}$-3.07±.15;
$M_{\theta\phi}$-0.10±.24; $M_{\phi r}$-2.09±.15; Best double couple: NP1:ϕ_s319.00000°,δ37.00000°,λ-1.00000°.
NP2:ϕ_s49.00000°,δ89.00000°,λ-127.00000°. Principal axes: T 4.9400,Plg34.0000°
,Azm170.0000°; N -0.6100,Plg37.0000°,Azm50.0000°; P -4.3200,Plg35.0000°
,Azm288.0000° M_o4.60000×10^{16}
ISC VIII 14 01 11 58.6–.37 36.35N–.03 71.57E–.05 100 3.8b 62 3-82
ISCJB VIII 14 01 11 57.3–.37 36.38N–.03 71.56E–.05 100 3.8b **¶11377597**
NEIC VIII 14 01 12 00.3–1.1 36.50N 71.26E 95–11 3.7b
NNC VIII 14 01 12 04.4–4.2 36.81N 71.20E 146–59 4.5,3.4b
IDC VIII 14 01 12 09.5–4.0 37.12N 71.25E 145–35 3.6,3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.1km az=177.2.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=9.3km az=132.0.
NNC Error ellipse: s-maj=36.6km s-min=26.0km az=17.0.
IDC Error ellipse: s-maj=29.9km s-min=18.4km az=15.0.
ISC VIII 16 16 23 18.1–.63 36.71N–.03 71.12E–.06 43–9 3.8b 76 3-81
ISCJB VIII 16 16 23 18.0–.70 36.65N–.03 71.13E–.05 67–9 3.8b **¶11452612**
IDC VIII 16 16 23 19.4–4.9 36.59N 71.14E 60–39 4.3L,3.9
NNC VIII 16 16 23 19.2–5.2 37.03N 70.76E 0 4.5,4.2b
BJI VIII 16 16 23 21.1 36.93N 71.15E 64 3.9L,4.2b
NEIC VIII 16 16 23 22.2–1.2 36.96N 71.08E 67–11 4.0b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.8km az=159.8.
IDC Error ellipse: s-maj=40.1km s-min=20.6km az=161.0.
NNC Error ellipse: s-maj=56.4km s-min=44.6km az=73.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.4km az=136.0.
ISC VIII 17 17 58 25.9–.66 38.76N–.04 70.26E–.05 50–7 4.0b 115 4-86
IDC VIII 17 17 58 17.8–.72 38.42N 70.34E 0 4.0,4.0 **¶13391947**
NNC VIII 17 17 58 20.8–3.6 38.81N 70.14E 0 4.5,4.3b
BJI VIII 17 17 58 21.5 38.76N 70.40E 20 4.6b,4.3b
MOS VIII 17 17 58 22.8–1.1 38.81N 70.36E 33 4.3b,4.3b
ISCJB VIII 17 17 58 24.5–.75 38.73N–.04 70.31E–.05 56–8 4.0b,4.3b
NEIC VIII 17 17 58 25.9–1.1 38.76N 70.35E 53–11 4.5b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=13.0km s-min=11.4km az=1.0.
NNC Error ellipse: s-maj=35.1km s-min=22.9km az=55.0.
MOS Error ellipse: s-maj=11.6km s-min=7.1km az=85.8.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=6.6km az=28.8.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.2km az=169.0.
ISC VIII 17 18 34 04.1–4.0 38.4N–.30 71.5E–.10 35 11 4-15

NNC VIII 17 18 34 02.0–2.5 38.21N 70.74E 0 3.9,3.6b ¶11452646
NNC Error ellipse: s-maj=25.3km s-min=17.8km az=105.0.
ISC VIII 18 09 01 10.5–.74 37.78N–.06 72.0E–.10 130–11 31 4-67
NEIC VIII 18 09 01 08.7–1.0 37.91N 71.62E 10 ¶11453250
ISCJB VIII 18 09 01 09.2–.75 37.78N–.06 72.0E–.10 139–12
IDC VIII 18 09 01 10.7–7.0 37.82N 71.96E 141–61 3.4,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=10.0km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=17.6km s-min=6.4km az=28.2.
IDC Error ellipse: s-maj=84.2km s-min=46.8km az=140.0.
ISC VIII 18 23 07 54.8–1.9 38.66N–.03 70.50E–.04 0–13 4.0b 135 4-65
IDC VIII 18 23 07 54.6–1.3 38.56N 70.68E 0 4.0L,4.0 ¶13392051
NNC VIII 18 23 07 55.9–2.3 38.73N 70.22E 0 4.5,4.3b
BJI VIII 18 23 07 58.8 38.90N 70.50E 42 4.2b,3.8L
MOS VIII 18 23 08 00.3–1.5 38.95N 70.55E 33 4.0b,3.8L
NEIC VIII 18 23 08 02.5–.91 39.01N 70.47E 39–9 4.0b,3.8L
TEH VIII 18 23 08 36.3 39.55N 66.07E 18 4.0b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=10.7km az=151.0.
NNC Error ellipse: s-maj=21.0km s-min=17.5km az=62.0.
MOS Error ellipse: s-maj=9.4km s-min=6.9km az=84.7.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.0km az=172.0.
ISC VIII 19 18 37 38.6–.43 37.68N–.03 69.98E–.06 10 3.6b 37 3-86
IDC VIII 19 18 37 33.8–1.1 37.26N 70.27E 0 3.8,3.7 ¶11457573
ISCJB VIII 19 18 37 36.9–.44 37.73N–.03 70.02E–.06 10 3.6b,3.7
NNC VIII 19 18 37 38.1–8.0 37.61N 69.79E 0 3.8b,3.4
BJI VIII 19 18 37 41.2 37.45N 69.93E 72 3.4b,3.4
NEIC VIII 19 18 37 42.1–.91 37.64N 69.95E 70–11 3.9b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=14.2km az=115.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.3km az=4.5.
NNC Error ellipse: s-maj=82.2km s-min=44.6km az=1.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.4km az=104.0.
NNC VIII 21 05 08 53.7–7.3 37.47N 70.47E 0 3.8b,3.5
¶11477675
NNC Error ellipse: s-maj=56.7km s-min=54.4km az=42.0.
ISC VIII 21 19 12 10.2–.48 37.30N–.04 72.0E–.10 192–8 3.4b 39 3-41
ISCJB VIII 21 19 12 09.2–.48 37.29N–.05 72.0E–.10 203–8 3.4b ¶11477696
NEIC VIII 21 19 12 10.2–.76 37.31N 72.00E 194–7 4.5b
IDC VIII 21 19 12 14.2–4.7 37.61N 72.01E 217–34 3.2,3.2
NNC VIII 21 19 12 19.1–5.6 38.40N 71.23E 0 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.6km s-min=6.3km az=17.4.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=7.5km az=133.0.
IDC Error ellipse: s-maj=45.3km s-min=20.2km az=176.0.
NNC Error ellipse: s-maj=44.6km s-min=36.8km az=20.0.
ISC VIII 22 08 10 41.4–.33 36.36N–.02 71.03E–.04 141–4 4.2b 135 2-84
IDC VIII 22 08 10 39.5–2.8 36.17N 70.98E 128–24 4.0,3.9 ¶11184394
ISCJB VIII 22 08 10 40.4–.35 36.36N–.02 71.01E–.04 145–4 4.2b,3.9
MOS VIII 22 08 10 41.4–1.2 36.42N 71.05E 148 4.2b,3.9
NEIC VIII 22 08 10 42.2–.76 36.34N 70.94E 151–10 4.5b,3.9
BJI VIII 22 08 10 42.8 36.40N 71.13E 142 5.0b,4.7b
NNC VIII 22 08 10 43.9–4.6 36.60N 70.58E 159–39 5.2,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=19.6km s-min=16.2km az=22.0.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.5km az=160.1.
MOS Error ellipse: s-maj=14.1km s-min=7.0km az=94.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.1km az=115.0.
NNC Error ellipse: s-maj=37.8km s-min=27.3km az=29.0.
ISC VIII 24 09 07 09.7–.44 36.63N–.03 71.96E–.06 127–6 3.9b 85 3-81
ISCJB VIII 24 09 07 08.3–.46 36.65N–.03 71.91E–.06 130–6 3.8b ¶11377693
BJI VIII 24 09 07 08.0 36.83N 71.66E 85 4.0b
NEIC VIII 24 09 07 09.8–2.1 36.74N 71.64E 112–18 3.9b
IDC VIII 24 09 07 09.2–3.5 36.70N 71.63E 107–30 3.8,3.7
NNC VIII 24 09 07 19.0–5.5 37.38N 70.99E 183–42 4.4,3.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.0km az=166.5.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=10.5km az=189.0.
IDC Error ellipse: s-maj=22.1km s-min=13.8km az=18.0.
NNC Error ellipse: s-maj=45.8km s-min=36.0km az=24.0.
ISC VIII 26 21 20 02.4–.53 36.58N–.03 71.3E–.10 114–9 4.0b 44 3-75
ISCJB VIII 26 21 20 01.2–.56 36.58N–.03 71.4E–.10 120–9 4.0b ¶11477832
NEIC VIII 26 21 20 02.5–1.4 36.60N 71.32E 116–13 4.5b
IDC VIII 26 21 20 02.5–9.3 36.61N 71.35E 113–62 3.5,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=5.4km az=8.5.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=9.9km az=208.0.
IDC Error ellipse: s-maj=86.3km s-min=49.9km az=156.0.
ISC VIII 28 06 34 22.8–.40 36.49N–.03 71.20E–.06 198–7 3.4b 77 3-44
IDC VIII 28 06 33 44.0–7.1 34.09N 71.29E 0 4.1L,4.1 ¶11477893
ISCJB VIII 28 06 34 21.8–.39 36.49N–.03 71.16E–.05 209–7 3.4b,4.1
NEIC VIII 28 06 34 23.6–.74 36.55N 71.06E 202–7 4.4b,4.1
NNC VIII 28 06 34 24.6–12 37.24N 70.83E 0 4.2,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=118.2km s-min=38.9km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.2km az=163.5.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=7.1km az=137.0.
NNC Error ellipse: s-maj=103.1km s-min=76.2km az=2.0.
ISC VIII 28 10 11 57.5–.47 37.23N–.04 72.0E–.10 151–11 42 3-74
ISCJB VIII 28 10 11 56.4–.47 37.23N–.04 71.9E–.10 160–11 ¶11477904
NNC VIII 28 10 12 00.4–9.9 37.72N 70.98E 0 3.9,3.8b
IDC VIII 28 10 12 01.0–8.3 37.41N 72.17E 175–52 3.0b,3.0
NEIC VIII 28 10 12 02.2–7.1 37.61N 72.00E 162–21 3.7b,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=5.9km az=10.2.
NNC Error ellipse: s-maj=79.5km s-min=69.9km az=124.0.
IDC Error ellipse: s-maj=75.8km s-min=50.9km az=176.0.
NEIC Event type se. Error ellipse: s-maj=86.5km s-min=13.2km az=182.0.
ISC VIII 28 23 12 41.6–3.1 36.7N–.20 71.5E–.20 239–27 8 4-17
NNC VIII 28 23 12 40.0–7.7 36.81N 69.54E 0 3.7b,3.6 ¶11477922
NNC Error ellipse: s-maj=69.8km s-min=52.5km az=125.0.
ISC VIII 29 18 39 45.3–.36 36.35N–.03 71.30E–.05 129–6 3.7b 74 3-84
IDC VIII 29 18 39 40.8–6.1 36.09N 71.05E 89–54 3.6L,3.6 ¶13392912
ISCJB VIII 29 18 39 44.2–.38 36.38N–.03 71.26E–.05 134–6 3.7b,3.6
NEIC VIII 29 18 39 44.7–.92 36.32N 71.23E 126–9 4.1b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=43.8km s-min=23.1km az=29.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=4.2km az=166.3.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.9km az=109.0.
NNC VIII 31 05 32 28.0–13 38.15N 70.64E 0 3.7b,3.3
¶11485930
NNC Error ellipse: s-maj=118.0km s-min=72.3km az=175.0.
ISC IX 01 04 24 30.4–.56 37.36N–.01 68.95E–.01 0–3 5.3b,5.0s 951 1-149
IDC IX 01 04 24 29.6–.37 37.26N 69.04E 0 5.1,5.1 ¶13393112
ISCJB IX 01 04 24 30.5–.09 37.32N–.01 68.95E–.01 14 5.3b,5.0s
NEIC IX 01 04 24 30.5–1.8 37.33N 68.93E 2–11 5.4b,4.9s
BGS IX 01 04 24 31.2–2.4 36.12N 67.46E 10–0 5.1s,5.0b
NNC IX 01 04 24 31.0–6.9 37.72N 68.61E 0 5.9,5.7b
BJI IX 01 04 24 32.0 37.57N 69.32E 5 5.5s,5.4b
TEH IX 01 04 24 33.0 37.42N 68.93E 10 5.5s,5.4b
MOS IX 01 04 24 33.3–.98 37.37N 68.97E 33 5.5b,4.9s
SZGRF IX 01 04 24 35.6 36.83N 68.78E 33 5.1b,4.9s
DJA IX 01 04 24 40 37.39N 68.99E 65 5.3b,4.9s
ISC Event type fe.
IDC Error ellipse: s-maj=10.5km s-min=8.3km az=144.0.
ISCJB Event type fe. Error ellipse: s-maj=2.2km s-min=1.6km az=21.1.
NEIC Event type fe. Error ellipse: s-maj=4.8km s-min=2.6km az=182.0. Felt at Dushanbe.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NNC Error ellipse: s-maj=59.1km s-min=51.8km az=51.0.
MOS Event type fe. Error ellipse: s-maj=5.3km s-min=3.1km az=131.9. Felt (III-IV) at Dushanbe. Moment Tensor Solution.

SZGRF Hindu Kush, Afghanistan, region.
ISC IX 04 01 59 21.5–.43 37.52N–.03 72.0E–.10 100–9 3.5b 50 4-80
IDC IX 04 01 59 06.5–2.4 36.84N 72.29E 0 3.9b,3.9 ¶11688055
ISCJB IX 04 01 59 20.0–.47 37.52N–.03 71.98E–.10 103–10 3.5b,3.9
NNC IX 04 01 59 21.4–10.0 37.85N 71.93E 0 3.6b,3.5
NEIC IX 04 01 59 25.0–3.9 37.76N 72.08E 144–23 4.0b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=48.7km s-min=20.2km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=13.1km s-min=4.4km az=7.2.
NNC Error ellipse: s-maj=78.7km s-min=56.6km az=169.0.
NEIC Event type se. Error ellipse: s-maj=47.8km s-min=18.4km az=172.0.
ISC IX 05 04 57 52.7–.08 36.52N–.01 71.29E–.01 231 5.3b 1442 3-150
BGS IX 05 04 57 30.4–1.5 35.73N 72.06E 170–0 5.5b ¶11232747
SZGRF IX 05 04 57 44.8 35.91N 72.27E 228 5.9b
MOS IX 05 04 57 51.0–.94 36.58N 71.24E 222 5.5b
IGIL IX 05 04 57 51.7 36.56N 71.22E 219 5.3b
BJI IX 05 04 57 51.4 36.67N 71.26E 226 5.3b,5.0b
ISCJB IX 05 04 57 51.0–.08 36.49N–.01 71.24E–.01 229 5.3b,5.0b
IDC IX 05 04 57 52.3–.34 36.48N 71.30E 236–2 5.0b,5.0
NEIC IX 05 04 57 52.6–.12 36.54N 71.29E 230 5.3b,5.3W
GCMT IX 05 04 57 53.2–.10 36.52N 71.12E 225–1 5.4W,5.3W
DJA IX 05 04 57 54 36.25N 71.22E 230 5.3b,5.3W
NNC IX 05 04 57 58.4–3.0 37.13N 71.26E 233–23 6.1,4.8b
ISC Event type fe.
BGS Error ellipse: s-maj=300.1km s-min=359.8km az=-1.0.
SZGRF Pakistan.
MOS Error ellipse: s-maj=6.5km s-min=4.3km az=121.5.
ISCJB Event type fe. Error ellipse: s-maj=1.9km s-min=1.4km az=19.0.
IDC Error ellipse: s-maj=6.9km s-min=5.4km az=171.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.1km az=184.0. Felt at Jalalabad and Kabul. Also felt at Khorugh, Tajikistan and at Abbotabad, Chitral, Islamabad, Lahore, Malakand, Mingora and Muzzafarabad, Pakistan. Moment Tensor Solution. s27 Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s26.00000°,δ74.00000°,λ102.00000°. NP2:ϕ_s168.00000°,δ20.00000°,λ53.00000°. Principal axes: T 1.2000,Plg58.0000°,Azm313.0000° ; N -0.3300,Plg11.0000°,Azm202.0000°; P -0.8700,Plg28.0000°,Azm106.0000° $M_0$1.10000×10^{17}
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s70,c100; s95,c173; Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.02 $M_{\theta\theta}$-0.40±.03; $M_{\phi\phi}$-0.84±.03; $M_{r\theta}$0.81±.02; $M_{\theta\phi}$-0.55±.02; $M_{\phi r}$0.67±.03; Best double couple: NP1:ϕ_s205.00000°,δ26.00000°,λ72.00000°. NP2:ϕ_s44.00000°,δ65.00000°,λ98.00000°. Principal axes: T 1.6500,Plg68.0000° ,Azm331.0000°; N -0.0700,Plg8.0000°,Azm221.0000°; P -1.5800,Plg20.0000° ,Azm128.0000° $M_0$1.60000×10^{17}
NNC Error ellipse: s-maj=26.2km s-min=18.1km az=18.0.
ISC IX 05 05 18 49.9–.47 37.38N–.03 71.77E–.10 107–8 3.8b 44 4-139
ISCJB IX 05 05 18 48.5–.49 37.40N–.03 71.80E–.09 112–8 3.8b ¶11492114
NEIC IX 05 05 18 49.6–1.1 37.23N 71.97E 116–9 4.4b
NNC IX 05 05 18 52.8–2.6 38.02N 71.31E 0 3.8b,3.6
IDC IX 05 05 18 55.1–5.0 37.31N 71.97E 168–37 3.6b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=4.8km az=11.8.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=10.9km az=116.0.
NNC Error ellipse: s-maj=19.8km s-min=17.2km az=16.0.
IDC Error ellipse: s-maj=47.8km s-min=30.9km az=162.0.
NNC IX 05 09 18 33.8–2.1 37.49N 70.22E 0 3.7,3.6b
¶11492129
NNC Error ellipse: s-maj=17.3km s-min=13.9km az=175.0.
ISC IX 06 04 29 23.1–1.3 36.77N–.07 71.5E–.10 176–15 3.6b 37 4-81
IDC IX 06 04 29 18.2–5.5 36.25N 71.46E 164–45 3.6,3.5b ¶11492166
NEIC IX 06 04 29 18.4–3.4 36.32N 71.21E 155–21 3.9b,3.5b
ISCJB IX 06 04 29 22.4–1.2 36.80N–.07 71.5E–.10 186–14 3.6b,3.5b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC IX 07 17 19 41.8–.43 36.44N–.03 71.28E–.07 109–6 3.6b 70 3-150
IDC IX 07 17 19 28.0–1.0 35.96N 71.18E 0 3.9,3.8 ¶11493316
BJI IX 07 17 19 39.3 36.21N 71.36E 113 4.5b,3.8
ISCJB IX 07 17 19 40.5–.45 36.45N–.03 71.28E–.07 113–7 3.6b,3.8
MOS IX 07 17 19 40.8–1.6 36.42N 71.36E 109 4.5b,3.8
NEIC IX 07 17 19 41.5–1.1 36.41N 71.29E 107–11 4.6b,3.8
NNC IX 07 17 19 47.2–6.3 36.83N 70.48E 120–80 4.6,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=21.1km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.2km az=177.2.
MOS Error ellipse: s-maj=19.9km s-min=7.2km az=81.4.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=11.2km az=122.0.
NNC Error ellipse: s-maj=52.9km s-min=43.0km az=28.0.
ISC IX 08 23 26 56.4–.44 36.53N–.03 71.56E–.05 102–6 3.9b 84 3-84
BJI IX 08 23 26 49.5 36.15N 71.03E 106 4.9b,4.5b ¶11377856
NNC IX 08 23 26 55.9–6.6 36.95N 71.26E 0 4.4b,4.3
ISCJB IX 08 23 26 56.3–.49 36.61N–.03 71.60E–.06 118–7 3.9b,4.3
NEIC IX 08 23 26 56.4–.89 36.47N 71.56E 107–8 4.4b,4.3
IDC IX 08 23 26 58.1–4.0 36.63N 71.64E 97–39 3.6,3.6
ISC Event type se.
NNC Error ellipse: s-maj=56.4km s-min=47.5km az=151.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=4.2km az=174.3.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.2km az=134.0.
IDC Error ellipse: s-maj=25.9km s-min=23.4km az=64.0.
ISC IX 09 15 17 43.4–3.3 37.0N–.20 71.3E–.20 152–61 10 5-15
NNC IX 09 15 17 43.5–3.2 37.00N 71.32E 149–61 3.8,3.0b ¶11783439
NNC Error ellipse: s-maj=31.2km s-min=18.0km az=8.0.
ISC IX 10 14 50 51.8–.43 36.43N–.03 71.48E–.06 101–8 3.7b 48 3-82
ISCJB IX 10 14 50 50.7–.46 36.47N–.03 71.47E–.06 103–8 3.7b ¶11377882
IDC IX 10 14 50 51.5–7.1 36.44N 71.41E 84–60 3.7L,3.6
NEIC IX 10 14 50 52.4–1.1 36.54N 71.23E 93–11 3.9b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.9km az=179.7.
IDC Error ellipse: s-maj=52.3km s-min=25.4km az=36.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=11.0km az=125.0.
ISC IX 11 01 08 48.0–.65 37.34N–.05 71.23E–.09 101–9 3.7b 42 3-80
ISCJB IX 11 01 08 46.7–.67 37.36N–.05 71.23E–.09 103–10 3.7b ¶11783494
NEIC IX 11 01 08 46.9–.77 37.12N 71.57E 106–7 4.4b
NNC IX 11 01 08 49.5–9.0 37.49N 70.98E 112–205 3.9,3.1b
IDC IX 11 01 08 51.0–8.0 37.43N 71.60E 125–51 3.6,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=6.0km az=28.3.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=7.6km az=129.0.
NNC Error ellipse: s-maj=76.7km s-min=50.8km az=4.0.
IDC Error ellipse: s-maj=69.4km s-min=39.6km az=173.0.
ISC IX 11 13 36 29.3–.65 36.71N–.05 71.32E–.08 227–8 3.3b 40 3-84
ISCJB IX 11 13 36 28.4–.63 36.69N–.04 71.30E–.08 235–8 3.3b ¶11783512
IDC IX 11 13 36 28.0–5.3 36.57N 71.54E 222–42 3.2,3.1b
NEIC IX 11 13 36 28.4–.70 36.58N 71.41E 226–7 3.9b,3.1b
NNC IX 11 13 36 33.5–1.3 37.06N 71.17E 205–18 3.8,2.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.3km s-min=6.3km az=157.5.
IDC Error ellipse: s-maj=54.3km s-min=22.2km az=51.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.0km az=109.0.
NNC Error ellipse: s-maj=13.0km s-min=7.5km az=23.0.
ISC IX 11 14 10 39.3–2.3 38.8N–.10 72.0E–.10 35 12 4-14
NNC IX 11 14 10 40.3–4.5 39.15N 72.24E 0 3.9b,3.6 ¶11783514
NNC Error ellipse: s-maj=36.0km s-min=19.5km az=178.0.
ISC IX 12 04 11 34.8–.42 36.74N–.04 71.20E–.10 210–6 3.5b 42 3-81
ISCJB IX 12 04 11 33.9–.42 36.75N–.04 71.13E–.09 216–6 3.5b ¶11507618
NEIC IX 12 04 11 34.5–.72 36.68N 71.25E 215–6 3.9b
IDC IX 12 04 11 37.3–8.3 36.93N 71.31E 225–49 3.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=5.6km az=18.7.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.7km az=132.0.
IDC Error ellipse: s-maj=78.6km s-min=30.8km az=179.0.
ISC IX 13 01 41 54.1–2.3 37.45N–.04 69.13E–.08 34–21 36 3-80

IDC IX 13 01 41 46.4–2.9 37.02N 69.91E 0 3.8,3.7L ¶11507649
NEIC IX 13 01 41 50.7–.72 37.49N 69.57E 10 3.8,3.7L
NNC IX 13 01 41 54.5–3.0 37.86N 69.37E 0 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=23.2km az=148.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.9km az=101.0.
NNC Error ellipse: s-maj=22.9km s-min=20.5km az=154.0.
NNC IX 13 03 17 26.8–9.9 37.51N 71.20E 0 3.7b,3.5
¶11783555
NNC Error ellipse: s-maj=110.0km s-min=76.0km az=67.0.
ISC IX 15 04 57 48.4–.38 36.53N–.03 71.47E–.05 126–5 3.7b 98 3-82
MOS IX 15 04 57 43.5–1.1 36.29N 71.21E 103 4.0b ¶13394362
IDC IX 15 04 57 44.2–4.5 36.38N 71.26E 91–36 3.7,3.6
BJI IX 15 04 57 47.9 36.76N 71.35E 122 4.4b,4.1b
ISCJB IX 15 04 57 47.4–.38 36.55N–.03 71.46E–.05 131–6 3.7b,4.1b
NEIC IX 15 04 57 49.0–.96 36.60N 71.36E 130–8 4.5b,4.1b
NNC IX 15 04 57 52.4–7.1 36.91N 71.06E 112–148 4.2,3.5b
ISC Event type se.
MOS Error ellipse: s-maj=17.8km s-min=7.6km az=83.2.
IDC Error ellipse: s-maj=29.7km s-min=19.1km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.2km az=175.3.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.6km az=131.0.
NNC Error ellipse: s-maj=66.1km s-min=50.4km az=159.0.
ISC IX 16 06 32 37.0–.38 36.65N–.03 71.09E–.06 242–5 3.5b 59 3-84
BJI IX 16 06 32 33.8 36.35N 71.23E 220 4.6b,4.4b ¶11783674
IDC IX 16 06 32 34.9–3.1 36.50N 71.04E 235–28 3.6,3.5
ISCJB IX 16 06 32 36.0–.38 36.64N–.03 71.06E–.06 250–5 3.5b,3.5
NEIC IX 16 06 32 37.0–.77 36.59N 71.05E 250–9 4.8b,3.5
NNC IX 16 06 32 41.2–6.9 37.04N 71.00E 233–70 4.1,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=18.6km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=171.7.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.8km az=70.0.
NNC Error ellipse: s-maj=66.3km s-min=34.1km az=6.0.
ISC IX 18 17 05 22.4–.40 36.50N–.04 71.34E–.08 224–6 3.3b 39 3-84
IDC IX 18 17 05 20.8–4.7 36.41N 71.33E 211–42 3.3,3.2 ¶11514628
ISCJB IX 18 17 05 21.5–.40 36.50N–.04 71.29E–.08 232–6 3.3b,3.2
NEIC IX 18 17 05 22.3–.67 36.50N 71.33E 225–6 4.5b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=18.6km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.0km az=8.8.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.0km az=121.0.
ISC IX 18 21 52 18.3–.30 36.51N–.02 71.25E–.04 219–4 4.0b 144 3-84
MOS IX 18 21 52 17.5–1.0 36.49N 71.24E 229 4.1b ¶11514632
ISCJB IX 18 21 52 17.4–.31 36.49N–.02 71.24E–.04 224–4 4.0b
NEIC IX 18 21 52 18.3–.55 36.49N 71.28E 220–6 5.0b
IDC IX 18 21 52 18.1–6.1 36.37N 71.16E 230–60 3.8,3.7
BJI IX 18 21 52 18.6 36.46N 71.32E 217 4.5b,3.7
NNC IX 18 21 52 23.5–1.7 36.92N 71.12E 211–14 4.7,3.4b
ISC Event type se.
MOS Error ellipse: s-maj=11.8km s-min=7.1km az=96.7.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.7km az=162.6.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.8km az=51.0.
IDC Error ellipse: s-maj=31.0km s-min=12.9km az=33.0.
NNC Error ellipse: s-maj=14.2km s-min=8.3km az=3.0.
ISC IX 19 15 38 28.5–.74 36.83N–.06 71.0E–.10 203–7 3.6b 25 3-44
ISCJB IX 19 15 38 27.4–.75 36.81N–.06 71.0E–.10 213–8 3.6b ¶11514666
NEIC IX 19 15 38 28.2–.94 36.76N 71.06E 211–11 3.6b
IDC IX 19 15 38 29.2–8.8 36.87N 71.01E 204–58 3.5b,3.2
NNC IX 19 15 38 36.4–8.5 37.39N 71.42E 252–123 3.2,2.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=16.8km s-min=7.6km az=29.2.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=11.2km az=137.0.
IDC Error ellipse: s-maj=86.3km s-min=45.8km az=171.0.
NNC Error ellipse: s-maj=126.1km s-min=47.4km az=35.0.
ISC IX 20 00 04 37.1–.34 36.57N–.02 71.03E–.05 186–4 4.2b 142 3-150
IDC IX 20 00 04 35.0–.67 36.43N 71.07E 172–6 3.9,3.8 ¶11282309
ISCJB IX 20 00 04 36.1–.35 36.55N–.02 71.03E–.04 191–4 4.2b,3.8
NEIC IX 20 00 04 36.9–.59 36.50N 71.02E 188–5 4.2b,3.8
MOS IX 20 00 04 36.0–.95 36.53N 71.02E 190 4.1b,3.8
BJI IX 20 00 04 36.1 36.51N 70.97E 193 4.4b,4.4b
NNC IX 20 00 04 42.4–4.5 37.03N 70.86E 202–41 4.9,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=12.2km s-min=10.8km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.6km az=167.4.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.8km az=128.0.
MOS Error ellipse: s-maj=12.9km s-min=6.2km az=92.3.
NNC Error ellipse: s-maj=39.7km s-min=21.1km az=13.0.
ISC IX 21 12 10 48.1–3.1 37.1N–.20 71.9E–.10 35 7 4-17
NNC IX 21 12 10 59.6–2.1 38.01N 70.69E 0 3.8b,3.5 ¶11514731
NNC Error ellipse: s-maj=24.5km s-min=15.5km az=97.0.
ISC IX 22 09 07 36.7–.76 36.29N–.04 71.05E–.09 111–9 3.8b 73 5-84
IDC IX 22 09 07 34.4–5.1 36.19N 71.05E 95–44 3.8,3.7 ¶11377982
ISCJB IX 22 09 07 35.9–.88 36.33N–.04 71.06E–.08 118–10 3.8b,3.7
NEIC IX 22 09 07 36.0–1.1 36.24N 70.95E 106–11 4.7b,3.7
NNC IX 22 09 07 43.6–1.8 37.36N 70.70E 0 4.5,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=19.9km az=31.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=4.2km az=156.2.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=4.6km az=58.0.
NNC Error ellipse: s-maj=14.6km s-min=13.5km az=72.0.
ISC IX 23 19 14 45.0–.47 36.23N–.03 71.40E–.06 112–7 3.7b 73 2-84
IDC IX 23 19 14 31.4–.98 35.83N 71.14E 0 4.9s,4.9 ¶13395042
ISCJB IX 23 19 14 44.3–.44 36.29N–.03 71.37E–.06 123–7 3.8b,4.9
NEIC IX 23 19 14 44.2–.72 36.22N 71.38E 102–9 4.6b,4.9
NNC IX 23 19 14 49.5–4.3 36.73N 70.84E 106–60 4.5,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=20.0km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.2km az=171.9.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.6km az=62.0.
NNC Error ellipse: s-maj=34.5km s-min=30.5km az=176.0.
ISC IX 24 12 04 54.9–.12 36.46N–.02 71.03E–.02 200 4.5b 532 3-150
MOS IX 24 12 04 53.3–1.0 36.52N 70.95E 192 4.7b ¶13395095
ISCJB IX 24 12 04 53.3–.11 36.47N–.02 71.01E–.02 198 4.5b
NEIC IX 24 12 04 55.0–.15 36.49N 71.02E 201 4.6b
TEH IX 24 12 04 54.0 36.56N 70.94E 183 4.6b
BJI IX 24 12 04 54.2 36.71N 70.85E 200 4.9b,4.7b
IDC IX 24 12 04 55.6–.58 36.51N 70.95E 206–5 4.4,4.4
NNC IX 24 12 05 02.0–3.3 37.17N 71.01E 203–25 5.0,3.7b
ISC Event type se.
MOS Error ellipse: s-maj=6.7km s-min=3.8km az=121.6.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=1.7km az=44.7.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.9km az=215.0.
IDC Error ellipse: s-maj=7.8km s-min=7.0km az=172.0.
NNC Error ellipse: s-maj=28.0km s-min=19.9km az=19.0.
ISC IX 24 16 58 20.1–2.4 38.8N–.20 70.16E–.09 35 19 4-14
NNC IX 24 16 58 14.0–4.7 38.65N 70.25E 0 4.1,3.9b ¶11517669
NNC Error ellipse: s-maj=40.5km s-min=28.3km az=3.0.
ISC IX 24 17 59 33.4–.09 36.09N–.02 71.28E–.02 100 5.1b 964 2-150
BGS IX 24 17 59 08.3–1.7 34.12N 74.68E 100–0 5.0b ¶13395119
NNC IX 24 17 59 28.6–6.1 36.44N 70.31E 0 6.0,5.7b
MOS IX 24 17 59 31.9–1.4 36.20N 71.34E 97 5.2b,4.0s
ISCJB IX 24 17 59 31.6–.09 36.10N–.02 71.29E–.02 98 5.1b,4.0s
BJI IX 24 17 59 32.3 36.32N 71.33E 86 5.2b,5.0b
TEH IX 24 17 59 33.0 36.24N 71.17E 92 5.2b,5.0b
NEIC IX 24 17 59 33.5–.19 36.15N 71.25E 100 5.2b,5.0b
SZGRF IX 24 17 59 33.5 35.85N 71.39E 136 5.3b,5.0b
IDC IX 24 17 59 33.6–.38 36.13N 71.19E 104–3 4.7,4.7
DJA IX 24 17 59 35 36.12N 71.13E 95 5.6b,4.7
GCMT IX 24 17 59 35.8–.20 36.10N 71.12E 107–1 5.2W,4.7
ISC Event type fe.
BGS Error ellipse: s-maj=673.8km s-min=783.6km az=-1.0.
NNC Error ellipse: s-maj=59.1km s-min=43.0km az=32.0.
MOS Error ellipse: s-maj=5.6km s-min=3.1km az=128.9.
ISCJB Event type fe. Error ellipse: s-maj=2.3km s-min=1.7km az=26.9.
NEIC Event type fe. Error ellipse: s-maj=5.3km s-min=3.8km az=187.0. Felt at Islamabad, Pakistan.
SZGRF Pakistan.
IDC Error ellipse: s-maj=10.5km s-min=6.7km az=17.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s74,c110; s86,c166; Moment tensor: Scale 10^{16}Nm; M_{rr}5.42±.17 $M_{\theta\theta}$-0.20±.18; $M_{\phi\phi}$-5.22±.19; $M_{r\theta}$-3.31±.13; $M_{\theta\phi}$-4.18±.17; $M_{\phi r}$4.03±.14; Best double couple: NP1:ϕ_s238.00000°,δ46.00000°,λ141.00000°. NP2:ϕ_s358.00000°,δ63.00000°,λ51.00000°. Principal axes: T 9.0600,Plg54.0000° ,Azm219.0000°; N -1.1600,Plg34.0000°,Azm18.0000°; P -7.9100,Plg10.0000° ,Azm115.0000° $M_0$8.50000×10^{16}
NNC IX 25 07 49 26.9–12 38.04N 70.59E 0 3.5b,3.3
¶11518785
NNC Error ellipse: s-maj=95.0km s-min=87.8km az=16.0.
ISC IX 25 19 07 35.4–.49 37.13N–.03 71.94E–.07 125–7 3.7b 58 3-74
ISCJB IX 25 19 07 34.9–.46 37.16N–.03 71.98E–.06 139–7 3.6b ¶11710756
BJI IX 25 19 07 34.1 37.47N 71.59E 125 3.7b
NEIC IX 25 19 07 34.0–.60 37.09N 71.84E 112–8 4.4b
IDC IX 25 19 07 37.3–7.0 37.28N 71.61E 127–59 3.6,3.5b
NNC IX 25 19 07 41.1–4.9 37.78N 71.43E 196–53 3.9,2.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.5km az=170.6.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.4km az=67.0.
IDC Error ellipse: s-maj=47.0km s-min=23.9km az=173.0.
NNC Error ellipse: s-maj=47.1km s-min=26.8km az=21.0.
ISC IX 28 09 39 55.7–.40 36.66N–.02 71.55E–.05 105–5 3.7b 91 3-84
BJI IX 28 09 39 51.3 36.83N 70.90E 89 4.8b,4.3s ¶11366315
ISCJB IX 28 09 39 54.3–.44 36.68N–.02 71.54E–.05 106–6 3.7b,4.3s
NEIC IX 28 09 39 54.8–.67 36.64N 71.50E 97–7 4.5b,4.3s
IDC IX 28 09 39 55.8–4.1 36.70N 71.49E 102–34 3.8,3.7
NNC IX 28 09 39 59.8–5.4 37.20N 70.89E 82–71 4.3,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.6km az=174.9.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.3km az=65.0.
IDC Error ellipse: s-maj=25.3km s-min=16.7km az=17.0.
NNC Error ellipse: s-maj=39.6km s-min=25.3km az=12.0.
ISC IX 29 04 49 53.4–.48 36.63N–.03 71.13E–.08 204–7 3.3b 37 3-84
IDC IX 29 04 49 24.1–1.5 35.24N 70.11E 0 3.9,3.9L ¶11521459
ISCJB IX 29 04 49 52.3–.48 36.61N–.03 71.09E–.08 217–7 3.3b,3.9L
NEIC IX 29 04 49 53.4–.80 36.59N 71.03E 230–10 4.5b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=51.6km s-min=27.7km az=56.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.8km az=176.7.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.5km az=73.0.
ISC IX 29 10 30 27.1–.98 37.33N–.06 71.8E–.20 123–40 8 3-15
ISCJB IX 29 10 30 25.9–.82 37.35N–.07 71.8E–.20 116–50 ¶11521471
NNC IX 29 10 30 27.2–6.9 37.64N 71.82E 0 3.6b,3.4
ISCJB Error ellipse: s-maj=26.6km s-min=10.3km az=8.9.
NNC Error ellipse: s-maj=55.9km s-min=40.0km az=171.0.
ISC X 02 07 02 46.9–.33 37.38N–.02 71.97E–.05 116–5 4.0b 162 4-147
ISCJB X 02 07 02 45.7–.37 37.40N–.02 71.95E–.05 120–5 4.0b ¶13395744
MOS X 02 07 02 45.6–1.1 37.42N 71.93E 114 4.5b
NEIC X 02 07 02 46.6–.70 37.35N 71.96E 113–8 4.3b
IDC X 02 07 02 47.5–2.9 37.38N 71.96E 117–25 3.9,3.8
NNC X 02 07 02 52.9–4.3 37.91N 71.59E 174–40 4.6,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=3.3km az=178.1.
MOS Error ellipse: s-maj=11.8km s-min=6.6km az=95.2.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.3km az=59.0.
IDC Error ellipse: s-maj=19.2km s-min=14.6km az=169.0.
NNC Error ellipse: s-maj=39.0km s-min=18.5km az=11.0.
NNC X 02 11 30 49.3–12 37.70N 71.66E 0 3.6b,3.4
¶11747950
NNC Error ellipse: s-maj=105.4km s-min=70.3km az=172.0.
ISC X 03 16 03 10.1–.33 36.64N–.02 71.04E–.05 216–4 3.8b 162 3-146
MOS X 03 16 03 09.7–.94 36.64N 70.99E 229 4.2b ¶11710798
ISCJB X 03 16 03 09.0–.34 36.64N–.02 71.02E–.05 222–4 3.8b
NEIC X 03 16 03 10.3–.55 36.63N 70.98E 224–5 4.6b
IDC X 03 16 03 10.7–2.6 36.55N 70.96E 228–24 3.7,3.6
BJI X 03 16 03 13.4 36.82N 71.28E 224 4.3b,4.1b
NNC X 03 16 03 14.9–3.2 37.03N 71.09E 223–26 4.3,3.0b
ISC Event type se.
MOS Error ellipse: s-maj=11.7km s-min=6.4km az=88.6.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.6km az=172.2.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.0km az=62.0.
IDC Error ellipse: s-maj=16.5km s-min=11.8km az=28.0.
NNC Error ellipse: s-maj=28.6km s-min=16.5km az=17.0.
ISC X 04 16 26 40.5–.42 36.24N–.03 71.14E–.08 108–7 3.3b 43 2-84
IDC X 04 16 26 26.8–1.2 35.69N 71.05E 0 4.1s,4.1 ¶12065916
ISCJB X 04 16 26 39.3–.43 36.25N–.04 71.15E–.08 111–8 3.3b,4.1
NEIC X 04 16 26 40.1–.98 36.19N 71.15E 107–10 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=23.6km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=5.6km az=10.2.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.0km az=120.0.
NNC X 05 07 17 35.5–6.7 37.00N 70.80E 192–89 4.2,2.7b
¶11748085
NNC Error ellipse: s-maj=83.5km s-min=33.0km az=40.0.
ISC X 05 08 28 22.2–.51 38.96N–.03 70.41E–.05 59–6 3.9b,3.2s 140 4-86
IDC X 05 08 28 14.6–.77 38.68N 70.60E 0 4.2,4.1 ¶13396043
MOS X 05 08 28 18.4–1.9 38.80N 70.69E 33 4.3b,4.1
NNC X 05 08 28 18.8–2.4 38.98N 70.16E 4–14 4.7,4.6b
ISCJB X 05 08 28 20.7–.58 38.97N–.03 70.42E–.05 64–7 3.9b,4.6b
NEIC X 05 08 28 21.6–1.0 38.70N 70.79E 61–11 4.8b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=12.4km az=7.0.
MOS Error ellipse: s-maj=11.6km s-min=6.5km az=86.4.
NNC Error ellipse: s-maj=16.3km s-min=11.9km az=11.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.4km az=167.4.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.4km az=70.0.
ISC X 07 02 52 34.6–.23 36.67N–.02 71.52E–.02 166–2 4.6b 670 3-150
SZGRF X 07 02 52 19.0 36.66N 71.87E 33 4.8b ¶13396276
MOS X 07 02 52 29.4–.97 36.49N 71.51E 139 4.6b
ISCJB X 07 02 52 33.9–.24 36.67N–.02 71.52E–.02 176–2 4.6b
NEIC X 07 02 52 34.7–.40 36.62N 71.52E 172–4 4.7b
BJI X 07 02 52 35.8 36.84N 71.43E 193 4.7b,4.6b
TEH X 07 02 52 35.0 36.68N 71.53E 170 4.7b,4.6b
IDC X 07 02 52 36.4–.64 36.59N 71.48E 188–6 4.2,4.2
NNC X 07 02 52 43.6–3.8 37.34N 71.65E 218–31 5.5,4.3b
ISC Event type se.
SZGRF Afghanistan-Tajikistan border region.
MOS Error ellipse: s-maj=7.5km s-min=3.6km az=130.1.
ISCJB Event type se. Error ellipse: s-maj=2.9km s-min=2.7km az=176.4.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.9km az=225.0.
IDC Error ellipse: s-maj=10.0km s-min=8.7km az=27.0.
NNC Error ellipse: s-maj=33.6km s-min=19.6km az=9.0.
NNC X 08 09 44 29.0–3.0 38.42N 70.87E 0 3.7b,3.4
¶11748350
NNC Error ellipse: s-maj=22.9km s-min=17.7km az=3.0.
ISC X 10 00 42 13.0–2.1 37.46N–.04 69.91E–.08 0–14 3.8b 37 3-65
IDC X 10 00 42 13.0–7.8 37.47N 69.91E 0 4.3b,3.9 ¶11748459
NEIC X 10 00 42 16.5–2.9 37.45N 69.91E 27–26 4.1b,3.9
NNC X 10 00 42 21.2–7.6 37.16N 70.90E 0 3.6b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=301.2km s-min=23.9km az=144.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.3km az=124.0.
NNC Error ellipse: s-maj=62.4km s-min=54.3km az=168.0.
ISC X 11 04 30 12.5–2.4 39.0N–.20 71.07E–.08 10 18 4-15

NNC X 11 04 30 11.1–2.0 39.06N 71.13E 0 4.0b,3.9 ¶11711084
NNC Error ellipse: s-maj=15.4km s-min=9.9km az=9.0.
ISC X 11 05 14 52.5–.32 36.56N–.02 71.01E–.05 190–4 4.0b 126 3-84
IDC X 11 05 14 49.4–3.0 36.34N 70.97E 168–26 3.9,3.8b ¶11748530
ISCJB X 11 05 14 51.6–.32 36.55N–.02 70.98E–.05 196–4 3.9b,3.8b
NEIC X 11 05 14 52.4–.62 36.49N 71.00E 193–5 4.2b,3.8b
NNC X 11 05 14 56.9–2.9 36.93N 70.95E 193–23 5.0,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=13.1km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=3.4km az=172.1.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.4km az=130.0.
NNC Error ellipse: s-maj=24.7km s-min=17.3km az=28.0.
NNC X 11 12 06 53.4–16 37.95N 71.68E 91–319 4.0,3.3b
¶11748560
NNC Error ellipse: s-maj=136.4km s-min=89.9km az=8.0.
ISC X 12 06 17 56.7–4.8 37.1N–.20 69.9E–.30 86–43 4.0b 8 6-83
IDC X 12 06 17 51.1–1.5 36.65N 67.94E 0 4.5s,4.5 ¶11477967
IDC Error ellipse: s-maj=57.2km s-min=32.9km az=41.0.
ISC X 13 08 07 43.7–.11 36.14N–.01 71.09E–.02 119 5.0b 779 2-150
SZGRF X 13 08 07 29.5 36.30N 72.55E 31 5.1b ¶13396907
ISCJB X 13 08 07 41.9–.11 36.15N–.02 71.08E–.02 117 5.0b
BJI X 13 08 07 42.4 36.31N 70.94E 111 5.1b,4.8b
MOS X 13 08 07 42.7–1.0 36.21N 71.03E 122 4.9b,4.0s
IDC X 13 08 07 44.5–.55 36.16N 71.03E 126–4 4.8,4.7
NEIC X 13 08 07 44.3–.17 36.19N 71.00E 123 5.1b,4.7
TEH X 13 08 07 44.0 36.20N 71.00E 109 5.1b,4.7
GCMT X 13 08 07 47.2–.20 36.17N 70.71E 123–1 5.3W,4.7
DJA X 13 08 07 49 35.57N 70.78E 129 5.2b,4.7
NNC X 13 08 07 50.6–3.7 36.82N 70.74E 149–41 5.8,4.8b
ISC Event type fe.
SZGRF Afghanistan-Tajikistan border region.
ISCJB Event type fe. Error ellipse: s-maj=2.1km s-min=2.0km az=0.7.
MOS Error ellipse: s-maj=5.7km s-min=3.3km az=125.5.
IDC Error ellipse: s-maj=9.2km s-min=7.7km az=8.0.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=3.2km az=166.0. Felt at Bagrami, Charikar and Kabul.
GCMT Event type se. Data Used: II IU G CN IC. Moment Tensor Solution. s71,c108; s95,c181; Moment tensor: Scale 10^{16}Nm; M_{rr}4.81±.16 $M_{\theta\theta}$-7.76±.19; $M_{\phi\phi}$2.96±.19; $M_{r\theta}$-1.15±.14; $M_{\theta\phi}$-4.81±.19; $M_{\phi r}$5.17±.12; Best double couple: NP1:ϕ_s284.00000°,δ57.00000°,λ147.00000°. NP2:ϕ_s34.00000°,δ63.00000°,λ38.00000°. Principal axes: T 10.1000,Plg45.0000° ,Azm251.0000°; N -0.4000,Plg45.0000°,Azm64.0000°; P -9.7000,Plg4.0000°,Azm158.0000° $M_0$9.90000×10^{16}
NNC Error ellipse: s-maj=30.5km s-min=18.7km az=21.0.
ISC X 13 17 16 11.6–.61 38.63N–.02 70.37E–.02 18–3 5.2b,5.0s 962 4-153
BJI X 13 17 16 07.9 38.83N 70.17E 14 5.7L,5.5b ¶13396943
IDC X 13 17 16 08.2–.44 38.56N 70.39E 0 5.1,5.1
ISCJB X 13 17 16 08.0–.57 38.59N–.02 70.37E–.02 7–3 5.2b,5.0s
NEIC X 13 17 16 10.0–.14 38.56N 70.34E 10 5.3b,4.9s
NNC X 13 17 16 11.2–1.5 38.83N 69.99E 4–7 6.0,5.9b
MOS X 13 17 16 12.0–1.0 38.71N 70.38E 33 5.4b,5.0s
GCMT X 13 17 16 14.4–.20 38.80N 70.10E 22–0 5.2W,5.0s
DJA X 13 17 16 17 38.47N 70.74E 43 5.6W,5.0s
SZGRF X 13 17 16 37.6 41.28N 68.36E 33 4.9b,5.0s
ISC Event type fe.
IDC Error ellipse: s-maj=11.3km s-min=9.4km az=155.0.
ISCJB Event type fe. Error ellipse: s-maj=3.0km s-min=1.9km az=20.8.
NEIC Event type fe. Error ellipse: s-maj=4.0km s-min=2.6km az=189.0. Felt at Dushanbe.
NNC Error ellipse: s-maj=9.9km s-min=5.9km az=3.0.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=130.1.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s68,c117; s78,c152; Moment tensor: Scale 10^{16}Nm; M_{rr}5.89±.17 $M_{\theta\theta}$-0.61±.13; $M_{\phi\phi}$-5.28±.12; $M_{r\theta}$0.43±.22; $M_{\theta\phi}$-3.12±.09; $M_{\phi r}$-6.36±.25; Best double couple: NP1:ϕ_s47.00000°,δ28.00000°,λ128.00000°. NP2:ϕ_s186.00000°,δ68.00000°,λ72.00000°. Principal axes: T 9.0700,Plg62.0000° ,Azm68.0000°; N -0.0500,Plg17.0000°,Azm192.0000°; P -9.0200,Plg21.0000° ,Azm289.0000° $M_0$9.10000×10^{16}
SZGRF Central Kazakhstan.
ISC X 13 17 35 43.5–.36 38.41N–.03 70.31E–.05 10 4.2s,4.1b 136 4-86
BJI X 13 17 35 39.7 38.62N 69.80E 19 5.1b,4.6b ¶11711151
ISCJB X 13 17 35 41.9–.34 38.43N–.03 70.35E–.04 10 4.2s,4.1b
IDC X 13 17 35 44.6–.73 38.52N 70.57E 0 4.1,4.1
NNC X 13 17 35 44.2–2.6 38.56N 70.19E 6–12 4.7,4.5b
NEIC X 13 17 35 45.4–.98 38.50N 70.35E 10 4.1b,4.5b
MOS X 13 17 35 47.6–1.5 38.75N 70.43E 33 4.3b,4.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=4.2km az=147.2.
IDC Error ellipse: s-maj=14.7km s-min=12.1km az=165.0.
NNC Error ellipse: s-maj=18.9km s-min=14.6km az=7.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=10.3km az=165.0.
MOS Error ellipse: s-maj=11.9km s-min=6.6km az=82.7.
ISC X 13 21 10 34.4–.44 38.36N–.03 70.37E–.07 10 3.9b 54 4-83
ISCJB X 13 21 10 32.6–.50 38.34N–.04 70.44E–.07 10 3.9b ¶11748759
IDC X 13 21 10 34.0–2.1 38.32N 70.57E 0 3.9b,3.8
NEIC X 13 21 10 35.0–.66 38.40N 70.45E 10 3.7b,3.8
NNC X 13 21 10 39.9–5.7 38.76N 70.28E 0 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.0km az=23.3.
IDC Error ellipse: s-maj=28.0km s-min=25.6km az=8.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.3km az=116.0.
NNC Error ellipse: s-maj=43.6km s-min=31.6km az=177.0.
ISC X 13 21 12 24.8–.52 38.40N–.04 70.21E–.08 10 3.6b 27 4-84
ISCJB X 13 21 12 23.5–.68 38.47N–.07 70.22E–.08 10 3.6b ¶12068580
IDC X 13 21 12 24.1–1.3 38.36N 70.36E 0 3.8,3.7b
NEIC X 13 21 12 25.2–.57 38.45N 70.29E 10 3.9b,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.3km az=136.1.
IDC Error ellipse: s-maj=24.2km s-min=22.2km az=91.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.3km az=126.0.
ISC X 14 12 27 44.6–.40 36.82N–.02 71.33E–.05 104–5 3.9b 103 3-84
IDC X 14 12 27 31.9–.82 36.39N 71.12E 0 4.2,4.1b ¶11477985
NNC X 14 12 27 40.4–5.7 37.10N 70.31E 0 4.4,4.3b
ISCJB X 14 12 27 43.1–.42 36.83N–.02 71.32E–.05 104–6 3.9b,4.3b
NEIC X 14 12 27 43.3–.72 36.72N 71.29E 89–8 4.2b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=16.8km az=142.0.
NNC Error ellipse: s-maj=54.2km s-min=42.4km az=45.0.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=3.8km az=172.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.7km az=63.0.
ISC X 14 14 54 54.6–1.2 38.27N–.08 71.9E–.10 10 3.5b,3.4s 25 4-82
ISCJB X 14 14 54 53.1–1.2 38.30N–.08 71.8E–.10 10 3.5b,3.4s ¶11748805
IDC X 14 14 54 53.1–2.3 38.44N 72.22E 0 3.7,3.7b
NNC X 14 14 55 01.2–5.5 38.79N 72.29E 0 3.7b,3.4
NEIC X 14 14 55 02.5–1.0 38.63N 72.03E 71–14 3.7b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=11.7km az=167.7.
IDC Error ellipse: s-maj=47.4km s-min=36.7km az=95.0.
NNC Error ellipse: s-maj=45.7km s-min=30.1km az=13.0.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=10.9km az=116.0.
ISC X 16 01 52 24.3–1.2 36.6N–.10 71.4E–.20 228–10 3.4b 27 3-66
IDC X 16 01 52 21.6–4.9 36.36N 71.38E 217–48 3.4b,3.1 ¶11748892
ISCJB X 16 01 52 23.6–1.2 36.7N–.10 71.3E–.20 235–10 3.4b,3.1
NEIC X 16 01 52 23.8–1.1 36.54N 71.39E 233–10 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=49.7km s-min=34.4km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=29.2km s-min=11.4km az=34.3.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=10.7km az=129.0.
NNC X 17 07 03 48.0–8.4 37.16N 70.85E 226–104 3.5,2.4b
¶11748965
NNC Error ellipse: s-maj=119.8km s-min=42.7km az=46.0.
ISC X 17 21 18 53.6–.37 36.64N–.02 71.91E–.04 107–5 4.0b 156 3-81
IDC X 17 21 18 50.1–4.9 36.55N 71.65E 65–43 4.0L,3.8 ¶11711242
BJI X 17 21 18 51.6 36.24N 71.76E 96 4.9b,4.7b
MOS X 17 21 18 52.1–1.2 36.64N 71.80E 101 4.2b,4.7b
ISCJB X 17 21 18 52.3–.42 36.67N–.02 71.89E–.04 108–6 4.0b,4.7b
NEIC X 17 21 18 54.0–.83 36.72N 71.70E 97–7 4.1b,4.7b
NNC X 17 21 19 01.2–3.5 37.29N 71.35E 201–30 3.6,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=19.1km az=7.0.
MOS Error ellipse: s-maj=10.8km s-min=5.8km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=5.9km s-min=3.6km az=172.9.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.8km az=141.0.
NNC Error ellipse: s-maj=30.5km s-min=20.9km az=25.0.
ISC X 18 09 23 19.7–.37 36.42N–.02 71.50E–.05 111–5 3.9b 107 3-84
IDC X 18 09 23 15.8–4.5 36.19N 71.26E 75–40 4.2L,3.8 ¶11711252
ISCJB X 18 09 23 18.4–.41 36.44N–.02 71.51E–.05 112–6 3.9b,3.8
NEIC X 18 09 23 19.3–.70 36.37N 71.46E 109–8 4.0b,3.8
NNC X 18 09 23 25.6–7.4 37.00N 70.95E 139–73 4.8,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=16.7km az=20.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.7km az=170.8.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.6km az=62.0.
NNC Error ellipse: s-maj=70.4km s-min=37.1km az=31.0.
ISC X 19 01 19 17.7–.42 36.50N–.04 71.11E–.09 97–9 3.8b 56 3-66
IDC X 19 01 19 11.4–6.2 35.98N 71.31E 72–57 3.7b,3.7 ¶13397458
ISCJB X 19 01 19 16.4–.44 36.51N–.04 71.15E–.08 100–9 3.8b,3.7
NEIC X 19 01 19 16.5–.92 36.33N 71.32E 107–9 3.9b,3.7
NNC X 19 01 19 24.2–5.1 37.47N 70.02E 0 4.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=58.3km s-min=39.9km az=122.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=5.5km az=21.4.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=7.7km az=131.0.
NNC Error ellipse: s-maj=52.2km s-min=38.3km az=104.0.
ISC X 19 10 02 28.9–.42 37.12N–.02 71.92E–.07 125–6 3.6b 91 3-81
IDC X 19 10 02 23.9–6.6 36.96N 71.68E 75–49 4.0L,3.8 ¶11749069
ISCJB X 19 10 02 27.7–.45 37.11N–.03 71.87E–.07 130–7 3.5b,3.8
NEIC X 19 10 02 28.3–.72 37.04N 71.82E 119–8 4.7b,3.8
NNC X 19 10 02 34.3–7.0 37.63N 71.39E 129–77 4.3,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=52.7km s-min=25.7km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=4.2km az=174.4.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.5km az=74.0.
NNC Error ellipse: s-maj=56.3km s-min=31.5km az=9.0.
ISC X 20 05 21 45.1–.31 36.07N–.02 71.30E–.03 97–3 4.5b 308 2-150
NEIC X 20 05 21 44.0–.61 35.99N 71.26E 90–6 4.5b ¶11360308
ISCJB X 20 05 21 43.7–.35 36.09N–.02 71.32E–.03 100–4 4.5b
NNC X 20 05 21 43.4–.96 36.55N 70.73E 0 5.1,5.1b
BJI X 20 05 21 44.8 36.21N 71.18E 97 5.1b,4.6b
MOS X 20 05 21 44.3–.95 36.13N 71.16E 99 4.7b,4.6b
IDC X 20 05 21 45.9–.47 36.09N 71.10E 99–3 4.2,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.5km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.9km az=169.9.
NNC Error ellipse: s-maj=8.0km s-min=5.7km az=2.0.
MOS Error ellipse: s-maj=7.5km s-min=4.7km az=97.7.
IDC Error ellipse: s-maj=10.6km s-min=8.1km az=24.0.
NNC X 21 04 34 57.1–14 38.94N 71.53E 0 3.7b,3.2
¶11749154
NNC Error ellipse: s-maj=128.2km s-min=79.0km az=178.0.
NNC X 21 16 31 42.9–16 36.77N 71.08E 120–350 3.5,3.0b
¶11749184
NNC Error ellipse: s-maj=240.5km s-min=104.7km az=55.0.
ISC X 22 06 43 12.8–4.5 37.7N–.30 68.7E–.20 10 10 6-13
NNC X 22 06 43 10.4–11 37.52N 68.46E 0 3.7b,3.4 ¶11749203
NNC Error ellipse: s-maj=111.2km s-min=76.6km az=25.0.
ISC X 24 18 04 46.7–.41 36.56N–.03 71.24E–.08 225–6 3.0b 61 3-84
IDC X 24 18 04 43.5–7.1 36.32N 71.42E 195–64 3.1,3.0 ¶11478044
ISCJB X 24 18 04 45.7–.39 36.56N–.03 71.23E–.07 232–6 3.0b,3.0
NEIC X 24 18 04 46.5–.79 36.56N 71.25E 223–12 4.4b,3.0
NNC X 24 18 04 51.6–1.0 37.33N 70.46E 0 3.5b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=60.9km s-min=41.6km az=44.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=5.0km az=164.5.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.7km az=71.0.
NNC Error ellipse: s-maj=12.3km s-min=7.8km az=98.0.
ISC X 25 04 22 34.0–2.2 38.6N–.10 70.7E–.20 101–63 12 4-13
NNC X 25 04 22 35.5–1.3 38.72N 70.77E 119–29 3.8,3.0b ¶11749390
NNC Error ellipse: s-maj=13.3km s-min=6.3km az=7.0.
ISC X 25 13 43 29.3–1.1 36.93N–.09 71.1E–.20 117–26 25 3-15
NEIC X 25 13 43 27.4–1.5 36.75N 71.22E 142–34 4.4b ¶11749420
ISCJB X 25 13 43 28.3–.98 36.98N–.09 71.0E–.10 120–28 4.4b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 26 04 46 58.1–.36 37.16N–.03 71.91E–.06 132–6 3.7b 76 3-66
IDC X 26 04 46 55.4–5.7 36.99N 71.76E 104–46 3.5,3.4b ¶11749449
ISCJB X 26 04 46 57.0–.38 37.16N–.03 71.90E–.06 138–7 3.7b,3.4b
NEIC X 26 04 46 57.1–.74 37.06N 71.87E 125–9 4.3b,3.4b
NNC X 26 04 46 59.2–4.9 37.66N 71.56E 0 4.2,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=46.8km s-min=27.2km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.3km az=6.9.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.0km az=69.0.
NNC Error ellipse: s-maj=40.2km s-min=31.1km az=165.0.
NNC X 27 12 45 27.4–3.5 37.09N 70.38E 0 4.0b,3.7
¶11749515
NNC Error ellipse: s-maj=30.7km s-min=26.5km az=88.0.
ISC X 28 09 56 51.7–.49 36.55N–.03 71.2E–.10 111–10 3.6b 43 3-66
IDC X 28 09 56 35.7–3.6 35.92N 71.27E 0 3.7b,3.7 ¶11711454
ISCJB X 28 09 56 50.3–.54 36.58N–.03 71.11E–.10 112–11 3.6b,3.7
NEIC X 28 09 56 51.9–1.2 36.56N 71.25E 117–12 4.2b,3.7
NNC X 28 09 56 53.0–1.9 37.13N 70.67E 0 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=80.3km s-min=28.0km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=5.5km az=6.0.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=10.5km az=129.0.
NNC Error ellipse: s-maj=20.2km s-min=13.8km az=75.0.
ISC X 29 02 33 43.6–1.8 38.8N–.10 70.4E–.10 35 24 4-14
NEIC X 29 02 33 37.0–7.1 38.26N 70.22E 35 ¶11749615
NNC X 29 02 33 44.3–2.9 39.06N 70.60E 0 4.0b,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=87.0km s-min=13.7km az=187.0.
NNC Error ellipse: s-maj=22.3km s-min=17.1km az=24.0.
NNC X 30 01 37 43.3–14 37.51N 70.30E 0 3.9b,3.5
¶11749677
NNC Error ellipse: s-maj=126.5km s-min=109.4km az=162.0.
ISC X 30 15 30 31.4–.44 36.67N–.04 71.1E–.10 219–8 3.5b 59 3-66
IDC X 30 15 30 27.1–5.2 36.40N 71.07E 186–48 4.3s,4.3 ¶11711532
ISCJB X 30 15 30 30.4–.45 36.66N–.04 71.1E–.10 227–8 3.5b,4.3
NEIC X 30 15 30 30.5–1.1 36.58N 71.18E 216–10 4.0b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=51.0km s-min=38.4km az=132.0.
ISCJB Event type se. Error ellipse: s-maj=15.4km s-min=6.1km az=14.1.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=10.5km az=132.0.
ISC XI 01 16 26 33.1–.41 36.40N–.03 71.08E–.06 120–5 3.7b 121 2-84
IDC XI 01 16 26 29.6–4.2 36.12N 70.92E 94–36 3.8,3.7 ¶13398903
ISCJB XI 01 16 26 32.0–.44 36.42N–.03 71.08E–.05 123–6 3.7b,3.7
MOS XI 01 16 26 31.8–.97 36.36N 71.04E 122 4.2b,3.7
NEIC XI 01 16 26 32.4–.64 36.32N 71.04E 116–7 4.6b,3.7
NNC XI 01 16 26 34.5–1.0 36.81N 70.06E 0 4.5,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=16.2km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.3km az=171.4.
MOS Error ellipse: s-maj=12.2km s-min=5.3km az=84.4.

NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.7km az=65.0.
NNC Error ellipse: s-maj=8.6km s-min=6.1km az=176.0.
ISC XI 02 00 31 04.5–.51 36.40N–.04 71.19E–.06 118–10 3.4b 46 3-66
ISCJB XI 02 00 31 03.4–.55 36.42N–.04 71.18E–.06 122–11 3.4b **¶11749874**
IDC XI 02 00 31 03.6–6.8 36.39N 71.02E 101–67 3.2L,3.2b
NEIC XI 02 00 31 04.2–.52 36.33N 71.15E 116–8 3.9b,3.2b
NNC XI 02 00 31 16.6–6.6 37.39N 71.55E 234–72 3.6,2.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=6.0km az=170.1.
IDC Error ellipse: s-maj=80.1km s-min=44.7km az=124.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.6km az=62.0.
NNC Error ellipse: s-maj=64.0km s-min=39.7km az=18.0.
ISC XI 02 09 48 48.1–.70 36.05N–.03 71.11E–.08 90–8 3.7b 90 2-82
IDC XI 02 09 48 36.1–1.1 35.75N 70.95E 0 4.0,3.9b **¶11749904**
ISCJB XI 02 09 48 46.3–.83 36.07N–.03 71.11E–.08 86–9 3.7b,3.9b
NEIC XI 02 09 48 48.4–.72 36.02N 71.19E 94–8 3.8b,3.9b
NNC XI 02 09 48 53.5–3.9 36.53N 70.73E 64–63 4.3,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=21.6km az=142.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.5km az=165.4.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.1km az=65.0.
NNC Error ellipse: s-maj=31.0km s-min=27.2km az=134.0.
NNC XI 02 23 32 03.0–4.9 37.19N 71.38E 190–62 3.6,2.5b
¶11749932
NNC Error ellipse: s-maj=68.1km s-min=23.2km az=41.0.
ISC XI 03 07 58 20.7–.46 36.58N–.03 71.06E–.09 147–8 30 3-84
NNC XI 03 07 58 17.4–18 36.88N 70.62E 0 3.8,3.7b **¶11749943**
ISCJB XI 03 07 58 19.8–.47 36.58N–.03 71.09E–.09 151–9 3.8,3.7b
NEIC XI 03 07 58 19.9–1.1 36.44N 71.37E 138–14 4.4b,3.7b
IDC XI 03 07 58 20.6–7.5 36.42N 71.55E 141–66 3.2,3.1
ISC Event type se.
NNC Error ellipse: s-maj=155.6km s-min=106.9km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=5.5km az=7.2.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=11.7km az=105.0.
IDC Error ellipse: s-maj=60.7km s-min=41.1km az=48.0.
ISC XI 06 02 25 54.1–.51 36.75N–.03 71.61E–.08 126–7 3.6b 88 3-82
MOS XI 06 02 25 48.6–1.1 36.54N 71.25E 85 4.0b **¶11711637**
IDC XI 06 02 25 49.8–5.5 36.57N 71.29E 75–47 4.0L,3.6
NEIC XI 06 02 25 50.3–1.2 36.55N 71.30E 84–12 4.3b,3.6
ISCJB XI 06 02 25 52.9–.54 36.77N–.03 71.59E–.07 127–8 3.6b,3.6
NNC XI 06 02 25 56.5–7.4 37.09N 71.11E 116–98 4.2,3.3b
ISC Event type se.
MOS Error ellipse: s-maj=16.8km s-min=8.2km az=89.0.
IDC Error ellipse: s-maj=35.8km s-min=21.2km az=15.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=5.1km az=59.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.3km az=174.3.
NNC Error ellipse: s-maj=64.6km s-min=41.9km az=172.0.
NNC XI 07 02 53 59.6–9.1 37.03N 70.78E 0 3.9b,3.7
¶11750167
NNC Error ellipse: s-maj=109.0km s-min=70.8km az=67.0.
NNC XI 07 08 22 22.3–1.3 38.09N 70.20E 5–4 3.7b,3.4
¶11750180
NNC Error ellipse: s-maj=10.8km s-min=5.2km az=34.0.
NNC XI 08 13 29 57.5–4.6 37.49N 70.96E 0 3.9b,3.5
¶11750268
NNC Error ellipse: s-maj=36.8km s-min=35.1km az=176.0.
ISC XI 08 18 38 14.3–.80 37.39N–.05 71.9E–.10 101–9 3.7b 47 4-66
IDC XI 08 18 38 11.4–5.8 37.21N 72.12E 89–52 3.4b,3.3 **¶11750280**
ISCJB XI 08 18 38 12.9–.83 37.41N–.05 71.9E–.10 103–11 3.7b,3.3
MOS XI 08 18 38 12.6–1.1 37.32N 72.03E 105 4.1b,3.3
NEIC XI 08 18 38 13.6–1.1 37.33N 71.98E 103–12 4.2b,3.3
NNC XI 08 18 38 17.9–2.6 38.03N 71.49E 0 3.7b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=56.5km s-min=40.5km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=6.1km az=27.9.
MOS Error ellipse: s-maj=27.0km s-min=9.0km az=81.1.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=10.0km az=126.0.
NNC Error ellipse: s-maj=21.3km s-min=18.5km az=2.0.
NNC XI 08 23 29 56.0–8.3 37.45N 69.35E 0 3.6b,3.4
¶11750287
NNC Error ellipse: s-maj=152.7km s-min=68.6km az=94.0.
ISC XI 09 12 49 36.1–.44 37.02N–.03 71.32E–.07 113–9 3.8b 60 3-37
MOS XI 09 12 49 33.5–1.6 36.85N 71.44E 123 3.8b **¶11750326**
ISCJB XI 09 12 49 34.9–.47 37.04N–.03 71.32E–.07 115–10 3.8b
NEIC XI 09 12 49 35.1–.73 36.97N 71.32E 102–12 4.3b
IDC XI 09 12 49 36.7–8.3 37.05N 71.31E 103–61 3.5b,3.5
NNC XI 09 12 49 41.7–6.6 37.99N 70.33E 0 4.2b,4.0
DMN XI 09 12 51 42.5–13 31.60N 81.57E 10–0 4.6b,4.0
ISC Event type ke.
MOS Error ellipse: s-maj=24.2km s-min=8.8km az=81.2.
ISCJB Event type ke. Error ellipse: s-maj=9.5km s-min=5.4km az=179.4.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.1km az=67.0.
IDC Error ellipse: s-maj=72.8km s-min=46.1km az=165.0.
NNC Error ellipse: s-maj=82.7km s-min=48.9km az=102.0.
DMN Event type ke. Error ellipse: s-maj=343.5km s-min=28.1km az=141.0.
ISC XI 09 13 16 24.8–.53 36.71N–.04 71.37E–.08 189–6 3.6b 71 3-84
IDC XI 09 13 16 20.0–4.4 36.39N 71.29E 152–39 3.5,3.4b **¶11711696**
NNC XI 09 13 16 22.9–3.5 37.21N 70.88E 0 4.3,3.9b
ISCJB XI 09 13 16 23.9–.53 36.71N–.04 71.37E–.08 195–6 3.5b,3.9b
NEIC XI 09 13 16 24.1–.75 36.62N 71.41E 184–7 4.1b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=16.7km az=28.0.
NNC Error ellipse: s-maj=33.4km s-min=22.5km az=46.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=6.2km az=7.4.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.1km az=118.0.
ISC XI 10 02 35 20.5–.40 36.07N–.03 71.02E–.05 114–5 3.7b 87 2-84
IDC XI 10 02 35 17.5–4.6 35.93N 70.89E 84–40 3.7,3.6b **¶11472992**
ISCJB XI 10 02 35 19.4–.40 36.10N–.03 71.01E–.05 118–6 3.7b,3.6b
NEIC XI 10 02 35 19.4–.65 35.98N 70.98E 105–8 4.5b,3.6b
NNC XI 10 02 35 26.1–4.2 36.53N 70.73E 104–58 4.4,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=17.3km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.5km az=177.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.2km az=52.0.
NNC Error ellipse: s-maj=32.8km s-min=27.8km az=12.0.
ISC XI 11 00 57 43.6–2.2 37.9N–.10 70.13E–.09 123–14 3.9b 73 3-83
IDC XI 11 00 57 22.0–1.2 36.60N 70.08E 0 4.1,4.0b **¶11750406**
NNC XI 11 00 57 23.3–3.9 36.88N 69.43E 0 4.3b,4.2
ISCJB XI 11 00 57 41.9–2.0 37.9N–.10 70.20E–.10 129–14 3.8b,4.2
MOS XI 11 00 57 45.3–1.0 38.16N 70.05E 144 4.2b,4.2
NEIC XI 11 00 57 46.4–.85 38.18N 70.10E 125–10 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=17.0km az=133.0.
NNC Error ellipse: s-maj=36.9km s-min=31.5km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=22.3km s-min=10.7km az=18.8.
MOS Error ellipse: s-maj=19.8km s-min=7.7km az=79.1.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.9km az=121.0.
ISC XI 11 09 14 32.9–.50 36.46N–.03 71.04E–.08 160–7 3.5b 69 3-109
ISCJB XI 11 09 14 31.9–.51 36.47N–.03 71.01E–.08 165–7 3.5b **¶11750432**
NEIC XI 11 09 14 31.7–1.3 36.37N 70.96E 149–13 4.0b
IDC XI 11 09 14 31.5–10.0 36.28N 71.07E 150–91 3.5,3.4
NNC XI 11 09 14 39.4–5.5 37.06N 70.91E 225–59 4.0,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=4.8km az=165.7.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=5.7km az=56.0.
IDC Error ellipse: s-maj=54.0km s-min=19.5km az=23.0.
NNC Error ellipse: s-maj=52.1km s-min=29.5km az=19.0.
ISC XI 18 03 48 05.0–.43 36.31N–.03 71.79E–.05 94–6 3.9b 96 3-84
ISCJB XI 18 03 48 02.0–.79 36.29N–.03 71.66E–.08 80–8 3.9b **¶11528359**
IDC XI 18 03 48 05.0–4.6 36.33N 71.54E 89–41 3.8,3.7b
NEIC XI 18 03 48 06.1–1.1 36.45N 71.53E 97–10 3.9b,3.7b
NNC XI 18 03 48 11.7–2.6 36.88N 71.21E 134–29 4.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=4.2km az=159.9.
IDC Error ellipse: s-maj=20.9km s-min=13.0km az=22.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.6km az=138.0.
NNC Error ellipse: s-maj=20.8km s-min=12.5km az=22.0.
ISC XI 19 00 33 32.7–.84 36.33N–.06 71.1E–.10 84–9 3.8b 40 2-74
IDC XI 19 00 33 28.9–10 35.97N 71.57E 75–82 3.9L,3.6b **¶11750826**
NEIC XI 19 00 33 31.0–1.3 36.18N 71.26E 80–11 3.4b,3.6b
ISCJB XI 19 00 33 31.4–.80 36.39N–.05 71.11E–.10 86–10 3.8b,3.6b
NNC XI 19 00 33 36.7–9.0 36.62N 71.02E 92–160 4.0,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=74.1km s-min=35.0km az=153.0.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=10.5km az=125.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=6.4km az=28.0.
NNC Error ellipse: s-maj=71.1km s-min=59.6km az=6.0.
ISC XI 19 05 59 46.3–.44 36.53N–.03 71.53E–.06 80–8 3.8b 68 3-75
IDC XI 19 05 59 33.9–2.4 35.92N 71.37E 0 3.9b,3.9 **¶11528379**
ISCJB XI 19 05 59 44.8–.53 36.54N–.03 71.55E–.06 78–10 3.8b,3.9
NEIC XI 19 05 59 48.7–1.2 36.55N 71.15E 96–11 3.8b,3.9
NNC XI 19 05 59 53.4–15 36.92N 71.07E 131–207 3.9,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=52.4km s-min=24.1km az=140.0.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.5km az=163.9.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=11.1km az=128.0.
NNC Error ellipse: s-maj=131.3km s-min=92.5km az=4.0.
ISC XI 19 12 54 02.9–.30 36.44N–.02 71.12E–.04 125–4 4.2b 173 3-84
IDC XI 19 12 53 55.8–5.0 36.12N 71.01E 70–43 4.5L,4.1 **¶13400606**
BJI XI 19 12 54 01.7 36.70N 70.89E 109 4.9b,4.4b
ISCJB XI 19 12 54 01.7–.33 36.45N–.02 71.12E–.04 128–4 4.1b,4.4b
MOS XI 19 12 54 01.9–1.1 36.46N 71.06E 127 4.3b,4.4b
NEIC XI 19 12 54 03.6–.80 36.56N 71.03E 117–9 4.3b,4.4b
NNC XI 19 12 54 06.2–4.7 36.74N 70.96E 125–50 5.0,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=17.1km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=5.3km s-min=3.2km az=166.0.
MOS Error ellipse: s-maj=11.5km s-min=5.5km az=90.7.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.1km az=143.0.
NNC Error ellipse: s-maj=37.0km s-min=24.9km az=15.0.
NNC XI 20 01 27 31.6–6.7 37.31N 70.02E 0 3.6b,3.4
¶11750874
NNC Error ellipse: s-maj=58.7km s-min=52.7km az=94.0.
NNC XI 20 02 39 23.4–5.8 38.44N 71.57E 0 3.5b,3.1
¶11750875
NNC Error ellipse: s-maj=44.5km s-min=33.4km az=1.0.
ISC XI 20 05 28 49.2–.70 36.81N–.06 71.73E–.07 124–11 3.6b 44 3-84
IDC XI 20 05 28 45.1–8.7 36.80N 71.43E 82–80 4.0L,3.7 **¶12074232**
ISCJB XI 20 05 28 48.2–.72 36.83N–.06 71.69E–.07 135–12 3.5b,3.7
NEIC XI 20 05 28 48.9–.98 37.00N 71.40E 117–11 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=24.5km az=16.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=8.1km az=44.3.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.4km az=113.0.
ISC XI 20 21 41 24.8–.87 36.57N–.06 71.0E–.10 100–10 3.5b 25 3-66
IDC XI 20 21 41 22.9–15 36.21N 71.55E 115–145 3.5L,3.3b **¶11750934**
ISCJB XI 20 21 41 23.9–.80 36.63N–.06 71.0E–.10 107–11 3.5b,3.3b
NEIC XI 20 21 41 24.4–1.1 36.51N 71.22E 74–26 3.2b,3.3b
NNC XI 20 21 41 26.9–1.5 37.17N 70.67E 0 4.2,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=87.3km s-min=57.3km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=16.1km s-min=6.6km az=25.5.
NEIC Event type se. Error ellipse: s-maj=30.8km s-min=9.5km az=126.0.
NNC Error ellipse: s-maj=26.4km s-min=11.6km az=93.0.
ISC XI 22 16 04 58.5–3.1 37.2N–.20 69.3E–.10 20–28 16 6-16
NNC XI 22 16 05 01.2–1.5 37.68N 69.43E 0 3.9b,3.6 **¶11711913**
NNC Error ellipse: s-maj=16.4km s-min=11.7km az=101.0.
NNC XI 23 16 42 22.6–9.3 37.91N 71.45E 0 3.8b,3.7
¶11751101
NNC Error ellipse: s-maj=75.0km s-min=54.5km az=177.0.
NNC XI 24 08 47 26.5–2.8 37.26N 70.66E 0 3.5b,3.3
¶11751128
NNC Error ellipse: s-maj=33.8km s-min=22.6km az=83.0.
ISC XI 24 21 21 22.8–.39 36.40N–.03 71.38E–.07 137–8 3.0b 59 3-82
ISCJB XI 24 21 21 21.8–.39 36.42N–.03 71.40E–.06 136–8 3.0b **¶11528432**
NEIC XI 24 21 21 24.0–.90 36.52N 71.13E 115–10 3.8b
NNC XI 24 21 21 24.2–4.5 37.03N 70.63E 0 4.0,3.9b
IDC XI 24 21 21 28.0–14 36.60N 71.28E 152–136 3.6L,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=4.4km az=174.3.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=8.8km az=122.0.
NNC Error ellipse: s-maj=37.0km s-min=28.0km az=6.0.
IDC Error ellipse: s-maj=83.3km s-min=29.0km az=8.0.
ISC XI 24 23 13 38.8–.61 36.25N–.04 71.3E–.10 150–10 44 2-82
ISCJB XI 24 23 13 38.0–.60 36.27N–.04 71.3E–.10 147–10 **¶11751147**
NEIC XI 24 23 13 39.3–3.4 36.35N 71.05E 103–25 3.2b
NNC XI 24 23 13 43.7–5.8 37.17N 70.55E 0 3.4b,3.2
IDC XI 24 23 13 58.8–13 37.01N 71.11E 294–140 2.9,2.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=5.2km az=166.9.
NEIC Event type se. Error ellipse: s-maj=33.4km s-min=20.5km az=197.0.
NNC Error ellipse: s-maj=69.7km s-min=43.6km az=97.0.
IDC Error ellipse: s-maj=85.4km s-min=48.0km az=13.0.
ISC XI 26 16 41 15.9–.31 38.92N–.03 71.56E–.05 10 4.0b,3.3s 149 3-151
ISCJB XI 26 16 41 14.4–.31 38.94N–.03 71.60E–.05 10 4.0b,3.3s **¶11528451**
IDC XI 26 16 41 15.6–.61 39.17N 71.73E 0 4.1,4.0
BJI XI 26 16 41 19.8 39.80N 71.50E 60 4.3b,4.3b
MOS XI 26 16 41 19.8–1.4 39.34N 71.64E 33 4.3b,4.3b
NNC XI 26 16 41 20.6–4.3 39.48N 71.55E 0 4.4b,4.4
NEIC XI 26 16 41 23.4–.78 39.31N 71.80E 57–7 4.2b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.2km s-min=3.9km az=162.8.
IDC Error ellipse: s-maj=13.1km s-min=11.8km az=61.0.
MOS Error ellipse: s-maj=10.8km s-min=5.9km az=86.3.
NNC Error ellipse: s-maj=42.0km s-min=24.9km az=10.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.7km az=198.0.
ISC XI 28 01 20 51.7–2.1 38.6N–.10 70.0E–.10 10 13 4-13
NNC XI 28 01 20 53.7–3.4 39.04N 69.96E 0 3.8b,3.4 **¶11730148**
NNC Error ellipse: s-maj=25.9km s-min=22.6km az=14.0.
NNC XI 29 03 02 40.1–3.4 37.32N 70.67E 0 3.8b,3.8
¶11751302
NNC Error ellipse: s-maj=26.4km s-min=26.0km az=89.0.
ISC XI 29 22 21 46.3–2.4 38.8N–.20 71.37E–.09 9–22 17 4-15
NNC XI 29 22 21 52.1–4.5 39.33N 71.46E 0 3.6b,3.3 **¶11751366**
NNC Error ellipse: s-maj=34.7km s-min=21.9km az=11.0.
ISC XI 30 03 00 49.9–4.2 37.0N–.30 71.2E–.20 189–33 3.5b 11 6-66
IDC XI 30 03 00 27.6–4.0 36.37N 70.47E 0 3.6b,3.6 **¶11751373**
NNC XI 30 03 00 49.3–9.1 37.01N 70.91E 144–133 3.7,2.8b
ISCJB XI 30 03 00 51.1–3.1 37.2N–.20 71.1E–.20 209–27 3.2b,2.8b
ISC XI 30 09 40 19.9–.55 36.53N–.03 71.92E–.07 131–7 3.8b 43 3-66
IDC XI 30 09 40 01.6–3.0 35.97N 72.10E 0 3.9b,3.9 **¶11528485**
ISCJB XI 30 09 40 18.8–.55 36.54N–.03 71.92E–.07 137–8 3.8b,3.9
NNC XI 30 09 40 22.1–5.7 36.94N 71.08E 128–84 3.9,3.1b
IDC Error ellipse: s-maj=59.1km s-min=26.8km az=136.0.
ISCJB Error ellipse: s-maj=9.1km s-min=4.6km az=162.7.
NNC Error ellipse: s-maj=48.6km s-min=31.4km az=3.0.
ISC XII 02 20 47 52.7–.56 36.39N–.04 71.32E–.09 152–11 40 3-17
NEIC XII 02 20 47 49.6–.88 36.20N 71.70E 10 3.8b **¶11528499**
ISCJB XII 02 20 47 51.7–.55 36.40N–.04 71.33E–.10 153–13 3.8b
NNC XII 02 20 47 57.0–11 36.82N 70.81E 124–237 3.6,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.9km az=166.0.

ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=6.0km az=174.8.
NNC Error ellipse: s-maj=97.5km s-min=70.2km az=24.0.
ISC XII 02 22 54 28.0–.38 36.46N–.03 71.23E–.07 110–6 3.9b 72 3-82
IDC XII 02 22 54 13.9–1.3 35.98N 71.13E 0 4.0,3.9b ¶11712065
ISCJB XII 02 22 54 26.8–.39 36.47N–.03 71.24E–.07 114–7 3.9b,3.9b
NEIC XII 02 22 54 27.7–.98 36.48N 71.24E 101–9 3.5b,3.9b
NNC XII 02 22 54 32.9–6.2 36.93N 70.69E 120–74 4.3,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=23.2km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=4.4km az=11.7.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.8km az=128.0.
NNC Error ellipse: s-maj=49.0km s-min=30.3km az=17.0.
ISC XII 03 05 25 44.2–.37 36.65N–.03 71.09E–.06 217–5 3.8b 96 3-84
IDC XII 03 05 25 40.8–5.0 36.37N 71.11E 195–45 3.6,3.5 ¶11528501
NNC XII 03 05 25 42.8–6.6 37.11N 70.67E 0 4.2,4.1b
ISCJB XII 03 05 25 43.3–.38 36.66N–.03 71.11E–.06 224–5 3.8b,4.1b
NEIC XII 03 05 25 43.7–.62 36.62N 71.08E 212–7 4.7b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=16.3km az=11.0.
NNC Error ellipse: s-maj=57.1km s-min=50.6km az=90.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.1km az=162.4.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.7km az=58.0.
ISC XII 03 09 33 21.1–.35 36.95N–.02 71.86E–.05 127–6 4.2b 103 3-44
IDC XII 03 09 33 13.9–15 36.55N 71.74E 70–88 3.8b,3.8 ¶13401785
ISCJB XII 03 09 33 20.0–.37 36.97N–.02 71.84E–.05 132–7 4.0b,3.8
NEIC XII 03 09 33 20.6–.55 36.94N 71.83E 123–8 3.8b,3.8
NNC XII 03 09 33 26.3–3.7 37.85N 71.23E 0 4.5,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=153.8km s-min=49.3km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=3.6km az=173.7.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=3.9km az=59.0.
NNC Error ellipse: s-maj=28.6km s-min=24.8km az=8.0.
ISC XII 04 02 30 07.6–1.6 37.6N–.10 71.8E–.10 199–12 3.5b 47 5-66
NEIC XII 04 02 30 02.5–2.4 37.10N 71.99E 187–14 4.2b ¶11712085
IDC XII 04 02 30 04.3–7.5 37.15N 72.03E 204–78 3.4b,3.3
ISCJB XII 04 02 30 08.3–1.7 37.7N–.10 71.9E–.10 217–14 3.5b,3.3
NNC XII 04 02 30 11.7–1.9 37.90N 72.09E 211–19 3.6,2.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=13.8km az=171.0.
IDC Error ellipse: s-maj=50.9km s-min=42.9km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=11.9km az=29.1.
NNC Error ellipse: s-maj=18.8km s-min=11.4km az=15.0.
ISC XII 04 18 06 26.8–3.0 37.5N–.20 71.1E–.20 162–58 13 5-14
NNC XII 04 18 06 26.9–2.0 37.50N 71.16E 162–38 3.8,3.0b ¶12075769
NNC Error ellipse: s-maj=21.1km s-min=10.4km az=11.0.
ISC XII 04 23 14 03.4–.77 36.51N–.08 71.4E–.40 100 8 3-15
¶15698461
ISC XII 05 10 18 26.9–1.1 38.46N–.08 71.81E–.08 10 3.8b 46 4-66
IDC XII 05 10 18 23.6–2.3 38.36N 72.06E 0 3.8b,3.7 ¶12075873
ISCJB XII 05 10 18 24.1–.60 38.38N–.04 71.78E–.08 10 3.8b,3.7
NEIC XII 05 10 18 32.0–.89 38.83N 71.69E 35 3.8b,3.7
NNC XII 05 10 18 33.2–7.2 38.93N 72.53E 0 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=41.1km s-min=18.5km az=141.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=5.7km az=179.7.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=9.6km az=130.0.
NNC Error ellipse: s-maj=64.8km s-min=42.5km az=21.0.
ISC XII 05 15 51 35.9–.97 38.93N–.08 70.32E–.06 35 3.9b 47 4-84
IDC XII 05 15 51 29.9–1.5 38.81N 70.79E 0 3.8b,3.8 ¶13401991
ISCJB XII 05 15 51 33.8–.95 38.93N–.07 70.33E–.06 33 3.9b,3.8
NNC XII 05 15 51 33.2–2.2 38.96N 70.52E 0 3.8b,3.7
NEIC XII 05 15 51 35.8–1.5 38.98N 70.55E 35 3.8b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=18.2km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.2km az=1.0.
NNC Error ellipse: s-maj=17.0km s-min=13.5km az=4.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=13.9km az=175.0.
ISC XII 06 02 54 52.3–.45 36.33N–.03 71.07E–.08 101–8 3.6b 49 2-66
IDC XII 06 02 54 44.0–6.2 35.82N 71.11E 47–54 3.6L,3.4b ¶11712110
ISCJB XII 06 02 54 51.1–.45 36.34N–.04 71.11E–.08 107–9 3.6b,3.4b
NEIC XII 06 02 54 52.1–1.0 36.28N 71.11E 105–10 3.6b,3.4b
NNC XII 06 02 54 57.2–5.0 37.16N 70.55E 0 3.7b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=61.0km s-min=33.9km az=146.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=5.4km az=21.5.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=8.4km az=131.0.
NNC Error ellipse: s-maj=42.5km s-min=31.9km az=173.0.
ISC XII 06 22 05 52.0–.15 37.15N–.02 71.86E–.02 130 4.5b 431 3-88
MOS XII 06 22 05 49.8–1.0 37.18N 71.86E 121 4.6b ¶13402113
ISCJB XII 06 22 05 50.3–.14 37.15N–.02 71.85E–.02 128 4.5b
BJI XII 06 22 05 50.2 37.36N 71.68E 118 4.8b,4.8b
NEIC XII 06 22 05 51.3–.19 37.07N 71.97E 129 4.7b,4.8b
IDC XII 06 22 05 52.2–.52 37.11N 71.84E 130–4 4.1,4.1
TEH XII 06 22 05 52.0 37.34N 71.70E 120 4.1,4.1
DJA XII 06 22 05 52 37.08N 72.00E 113 5.2b,4.1
NNC XII 06 22 05 56.6–8.6 37.74N 71.40E 132–99 5.0,4.1b
ISC Event type se.
MOS Error ellipse: s-maj=6.4km s-min=4.4km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=2.6km az=24.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.5km az=212.0.
IDC Error ellipse: s-maj=12.6km s-min=8.1km az=13.0.
NNC Error ellipse: s-maj=72.6km s-min=40.1km az=16.0.
ISC XII 09 08 28 12.9–.38 36.40N–.02 71.40E–.04 90–4 4.3b 237 3-84
NNC XII 09 08 28 10.2–4.8 36.73N 70.92E 0 5.1,4.6b ¶13402316
ISCJB XII 09 08 28 10.6–.50 36.42N–.02 71.32E–.04 81–5 4.3b,4.6b
NEIC XII 09 08 28 12.7–.68 36.41N 71.45E 91–7 4.6b,4.6b
BJI XII 09 08 28 13.3 36.66N 71.20E 96 5.0b,4.6b
IDC XII 09 08 28 14.1–.69 36.35N 71.28E 104–5 4.1,4.0
MOS XII 09 08 28 16.7–.81 36.82N 71.28E 119 4.5b,4.0
ISC Event type se.
NNC Error ellipse: s-maj=42.2km s-min=34.2km az=162.0.
ISCJB Event type se. Error ellipse: s-maj=5.5km s-min=3.3km az=158.2.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.1km az=52.0.
IDC Error ellipse: s-maj=16.1km s-min=12.2km az=6.0.
MOS Error ellipse: s-maj=9.5km s-min=5.1km az=91.5.
ISC XII 10 00 27 04.1–.39 36.10N–.02 71.07E–.05 109–5 3.9b 140 2-93
IDC XII 10 00 26 50.7–1.0 35.75N 70.72E 0 4.1,4.0b ¶13402368
MOS XII 10 00 27 01.8–1.4 36.13N 70.93E 92 4.0b,4.0b
ISCJB XII 10 00 27 02.7–.43 36.13N–.02 71.08E–.05 108–6 3.9b,4.0b
NEIC XII 10 00 27 02.5–.65 36.03N 71.01E 92–7 4.3b,4.0b
NNC XII 10 00 27 08.1–4.8 36.62N 70.36E 100–70 4.3,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=19.8km az=154.0.
MOS Error ellipse: s-maj=12.5km s-min=6.5km az=90.1.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=169.4.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.7km az=57.0.
NNC Error ellipse: s-maj=36.1km s-min=25.3km az=22.0.
NNC XII 10 06 02 45.8–5.8 37.24N 70.79E 0 3.8b,3.5
¶12076675
NNC Error ellipse: s-maj=99.7km s-min=45.6km az=80.0.
NNC XII 12 22 29 24.9–7.8 37.39N 71.57E 133–154 3.6,2.7b
¶11712211
NNC Error ellipse: s-maj=88.7km s-min=50.0km az=28.0.
ISC XII 14 10 00 36.1–.41 36.52N–.03 71.32E–.07 145–9 60 3-20
ISCJB XII 14 10 00 35.1–.39 36.50N–.03 71.26E–.06 157–9 ¶11527669
NEIC XII 14 10 00 35.8–.64 36.45N 71.32E 136–17 4.6b
NNC XII 14 10 00 36.3–7.7 37.01N 70.87E 0 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=4.5km az=153.6.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.5km az=73.0.
NNC Error ellipse: s-maj=61.1km s-min=44.6km az=176.0.

NNC XII 14 13 59 56.3–18 37.88N 71.56E 0 3.6b,3.3
¶12077455
NNC Error ellipse: s-maj=147.4km s-min=91.8km az=178.0.
ISC XII 16 15 16 46.1–.60 37.20N–.04 71.96E–.08 180–9 3.3b 61 4-81
IDC XII 16 15 16 44.6–7.2 37.00N 72.00E 176–59 3.1b,3.1 ¶11527695
ISCJB XII 16 15 16 45.4–.57 37.22N–.04 71.97E–.08 189–9 3.3b,3.1
NEIC XII 16 15 16 46.4–.56 37.21N 71.99E 183–8 4.3b,3.1
NNC XII 16 15 16 52.1–2.6 37.73N 71.80E 196–24 3.6,2.5b
ISC Event type se.
IDC Error ellipse: s-maj=62.4km s-min=31.8km az=152.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=4.9km az=155.4.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.0km az=61.0.
NNC Error ellipse: s-maj=24.8km s-min=14.3km az=9.0.
ISC XII 16 21 42 35.2–.47 36.39N–.03 71.30E–.08 150–10 45 3-17
ISCJB XII 16 21 42 34.4–.49 36.40N–.03 71.33E–.09 154–12 ¶11527696
NEIC XII 16 21 42 35.0–.52 36.35N 71.33E 150–14 4.2b
NNC XII 16 21 42 37.5–6.0 36.95N 71.03E 0 4.0b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=5.1km az=173.4.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.1km az=78.0.
NNC Error ellipse: s-maj=49.1km s-min=43.9km az=163.0.
ISC XII 16 22 39 54.0–.31 36.39N–.02 71.43E–.03 102–3 4.5b 412 3-150
BJI XII 16 22 39 42.7 36.37N 70.40E 50 4.8L,4.6b ¶13402964
SZGRF XII 16 22 39 45.8 35.86N 71.38E 33 4.7b,4.6b
NEIC XII 16 22 39 52.9–.55 36.35N 71.35E 97–6 4.8b,4.6b
MOS XII 16 22 39 52.8–1.2 36.42N 71.33E 102 4.9b,4.6b
ISCJB XII 16 22 39 52.6–.37 36.42N–.02 71.40E–.03 102–4 4.5b,4.6b
IDC XII 16 22 39 53.0–5.2 36.23N 71.26E 98–46 4.2,4.1
NNC XII 16 22 39 58.2–4.0 36.83N 71.05E 146–39 5.3,4.1b
ISC Event type se.
SZGRF Pakistan.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.8km az=224.0.
MOS Error ellipse: s-maj=6.5km s-min=3.9km az=119.1.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=162.6.
IDC Error ellipse: s-maj=21.8km s-min=11.6km az=4.0.
NNC Error ellipse: s-maj=32.6km s-min=23.2km az=13.0.
ISC XII 19 00 24 57.3–.28 37.16N–.02 71.94E–.03 124–3 4.3b 302 3-151
ISCJB XII 19 00 24 56.0–.32 37.17N–.02 71.93E–.03 125–4 4.3b ¶11513595
NNC XII 19 00 24 56.2–4.8 37.81N 71.42E 0 5.2,5.0b
MOS XII 19 00 24 56.9–.95 37.25N 71.79E 130 4.3b,5.0b
NEIC XII 19 00 24 57.7–.28 37.09N 71.93E 132 4.7b,5.0b
IDC XII 19 00 24 58.2–.80 37.08N 71.77E 132–7 4.1,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.4km s-min=2.8km az=173.2.
NNC Error ellipse: s-maj=40.2km s-min=28.0km az=29.0.
MOS Error ellipse: s-maj=8.5km s-min=5.2km az=93.5.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.1km az=213.0.
IDC Error ellipse: s-maj=14.2km s-min=9.3km az=12.0.
ISC XII 20 10 31 24.4–.39 36.71N–.03 71.30E–.06 185–7 3.8b 64 3-66
ISCJB XII 20 10 31 23.4–.39 36.71N–.03 71.27E–.06 193–7 3.7b ¶12078311
NEIC XII 20 10 31 24.4–.62 36.68N 71.34E 183–10 4.0b
IDC XII 20 10 31 25.3–10 36.47N 71.34E 214–108 3.5b,3.1
NNC XII 20 10 31 30.9–4.2 37.24N 71.05E 186–44 3.6,2.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=4.7km az=174.6.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.5km az=62.0.
IDC Error ellipse: s-maj=62.2km s-min=49.2km az=169.0.
NNC Error ellipse: s-maj=37.4km s-min=19.8km az=16.0.
ISC XII 20 14 31 47.2–1.7 38.83N–.03 70.75E–.05 33–14 3.7b 133 4-86
IDC XII 20 14 31 41.6–.87 38.82N 71.04E 0 3.9,3.8 ¶11712335
NNC XII 20 14 31 42.6–2.0 38.87N 70.58E 0 4.3,4.1b
MOS XII 20 14 31 45.7–1.3 38.90N 70.82E 33 4.0b,4.1b
NEIC XII 20 14 31 48.1–.86 38.88N 70.90E 44–10 4.1b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=14.0km az=158.0.
NNC Error ellipse: s-maj=15.4km s-min=13.3km az=29.0.
MOS Error ellipse: s-maj=11.8km s-min=6.7km az=85.3.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.9km az=58.0.
ISC XII 20 15 46 35.4–.42 36.66N–.03 71.43E–.05 170–6 3.7b 76 3-81
IDC XII 20 15 46 29.8–7.4 36.28N 71.47E 134–60 3.5b,3.5 ¶11527747
ISCJB XII 20 15 46 34.5–.44 36.66N–.03 71.41E–.05 177–7 3.7b,3.5
NEIC XII 20 15 46 35.4–.59 36.65N 71.43E 172–7 4.5b,3.5
NNC XII 20 15 46 41.5–2.9 37.12N 71.20E 175–29 3.7,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=53.0km s-min=29.6km az=161.0.
ISCJB Event type se. Error ellipse: s-maj=7.4km s-min=4.6km az=159.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.6km az=56.0.
NNC Error ellipse: s-maj=25.2km s-min=14.3km az=7.0.
ISC XII 21 11 16 47.7–3.2 37.5N–.20 71.7E–.10 127–24 3.2b 16 6-80
IDC XII 21 11 16 45.6–7.4 37.22N 71.84E 124–61 3.1,3.1 ¶12078450
ISCJB XII 21 11 16 49.7–2.6 37.7N–.10 71.7E–.10 157–20 3.1b,3.1
NNC XII 21 11 16 50.1–5.6 37.69N 71.75E 144–84 3.8,2.9b
IDC Error ellipse: s-maj=56.1km s-min=26.8km az=168.0.
ISCJB Error ellipse: s-maj=24.3km s-min=13.6km az=16.6.
NNC Error ellipse: s-maj=52.7km s-min=30.2km az=11.0.
ISC XII 21 22 38 34.2–.14 36.11N–.02 71.47E–.02 112 4.7b 494 2-150
NEIC XII 21 22 38 29.9–.73 35.96N 71.41E 74–7 5.0b ¶13403609
MOS XII 21 22 38 30.9–.82 36.11N 71.33E 94 4.8b
ISCJB XII 21 22 38 32.2–.14 36.10N–.02 71.49E–.02 110 4.7b
TEH XII 21 22 38 34.0 36.17N 71.41E 103 4.7b
DJA XII 21 22 38 34 36.11N 71.36E 97 5.1b
IDC XII 21 22 38 34.8–.38 36.11N 71.33E 116–2 4.3,4.3
GCMT XII 21 22 38 35.2–.30 36.02N 71.41E 101–2 5.0W,4.3
NNC XII 21 22 38 38.9–5.0 36.56N 71.13E 116–55 5.4,4.6b
SZGRF XII 21 22 39 05.0 37.13N 70.86E 61 4.9b,4.6b
ISC Event type fe.
NEIC Event type fe. Error ellipse: s-maj=7.0km s-min=3.9km az=223.0. Felt at Chitral, Dir, Gilgit, Swat and Topi.
MOS Error ellipse: s-maj=6.9km s-min=4.7km az=100.1.
ISCJB Event type fe. Error ellipse: s-maj=2.5km s-min=2.4km az=170.6.
IDC Error ellipse: s-maj=10.9km s-min=7.6km az=11.0.
GCMT Event type se. Data Used: II IU IC G. Moment Tensor Solution. s42,c49; s72,c114; Moment tensor: Scale 10^{16}Nm; M_{rr}2.54±.09 $M_{\theta\theta}$-0.38±.12; $M_{\phi\phi}$-2.16±.11; $M_{r\theta}$-1.04±.08; $M_{\theta\phi}$-2.11±.11; $M_{\theta r}$0.56±.09; Best double couple: NP1:ϕ_s8.00000°,δ51.00000°,λ52.00000°. NP2:ϕ_D239.00000°,δ53.00000°,λ127.00000°. Principal axes: T 3.1800,Plg61.0000° ,Azm212.0000°; N 0.3800,Plg29.0000°,Azm34.0000°; P -3.5600,Plg1.0000°,Azm304.0000° M_O3.40000×10^{16}
NNC Error ellipse: s-maj=47.1km s-min=26.5km az=34.0.
SZGRF Afghanistan-Tajikistan border region.
NNC XII 22 10 49 10.2–22 36.78N 72.30E 0 3.6b,3.3
¶12078549
NNC Error ellipse: s-maj=196.0km s-min=188.6km az=91.0.
ISC XII 22 17 56 09.1–.38 37.25N–.03 71.98E–.07 201–6 3.5b 75 3-80
ISCJB XII 22 17 56 08.2–.38 37.26N–.03 71.97E–.07 209–6 3.5b ¶11712374
NEIC XII 22 17 56 09.0–.46 37.23N 72.00E 201–6 4.3b
IDC XII 22 17 56 10.8–11 37.29N 71.95E 214–76 3.5,3.4b
NNC XII 22 17 56 14.4–8.0 37.72N 71.94E 210–74 3.7,2.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.5km az=169.3.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.8km az=58.0.
IDC Error ellipse: s-maj=106.2km s-min=20.7km az=6.0.
NNC Error ellipse: s-maj=77.0km s-min=41.6km az=5.0.
ISC XII 22 23 39 51.0–1.6 38.05N–.03 71.33E–.06 1–13 3.8b 74 4-83
ISCJB XII 22 23 39 50.1–1.6 38.07N–.03 71.42E–.07 4–12 3.8b ¶12078606
IDC XII 22 23 39 50.6–1.3 37.98N 71.49E 0 3.8b,3.8
NNC XII 22 23 39 55.0–3.4 38.39N 70.95E 0 3.8b,3.7
NEIC XII 22 23 39 55.4–2.1 38.11N 71.51E 32–17 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=5.5km az=164.0.
IDC Error ellipse: s-maj=22.0km s-min=20.2km az=121.0.
NNC Error ellipse: s-maj=29.3km s-min=24.4km az=59.0.

NEIC Event type se. Error ellipse: s-maj=10.4km s-min=4.2km az=64.0.
ISC XII 23 01 42 04.5–2.0 37.0N–.10 71.1E–.10 244–20 3.0b 22 6-82
IDC XII 23 01 41 37.4–1.3 35.74N 70.90E 0 3.6,3.5L **¶11712379**
NNC XII 23 01 42 04.3–4.6 37.38N 70.45E 0 4.1b,3.9
IDC Error ellipse: s-maj=32.8km s-min=24.2km az=118.0.
NNC Error ellipse: s-maj=37.3km s-min=35.1km az=72.0.
ISC XII 23 12 08 25.3–2.2 38.7N–.10 70.4E–.10 35 11 4-13
NNC XII 23 12 08 26.1–4.1 39.15N 70.49E 0 3.6b,3.3 **¶11712388**
NNC Error ellipse: s-maj=31.4km s-min=24.9km az=26.0.
ISC XII 23 14 24 43.9–1.9 36.7N–.10 71.5E–.20 235–29 24 6-17
ISCJB XII 23 14 24 42.9–1.7 36.59N–.10 71.6E–.20 222–29 **¶11712391**
NNC XII 23 14 24 46.2–3.2 37.32N 70.96E 0 4.0b,3.7
ISCJB Error ellipse: s-maj=26.3km s-min=7.4km az=145.1.
NNC Error ellipse: s-maj=27.5km s-min=25.1km az=73.0.
NNC XII 24 06 48 19.8–2.9 37.05N 71.24E 180–37 3.8,2.6b
¶12078782
NNC Error ellipse: s-maj=37.0km s-min=13.2km az=42.0.
ISC XII 24 20 01 59.3–2.8 36.4N–.10 71.2E–.20 113–49 16 7-17
NNC XII 24 20 02 09.6–4.6 37.08N 71.05E 196–58 3.5,2.4b **¶12078847**
NNC Error ellipse: s-maj=44.1km s-min=25.7km az=23.0.
ISC XII 25 11 55 57.2–.43 37.10N–.05 72.0E–.10 186–7 3.4b 40 3-81
ISCJB XII 25 11 55 56.3–.44 37.10N–.05 72.0E–.10 192–7 3.2b **¶11712413**
NEIC XII 25 11 55 57.1–.93 37.05N 72.04E 191–12 3.2b
IDC XII 25 11 55 59.2–12 37.19N 72.02E 203–75 3.2,3.0b
NNC XII 25 11 55 59.7–10 37.37N 71.48E 126–173 3.8,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=6.1km az=22.8.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=11.1km az=143.0.
IDC Error ellipse: s-maj=119.7km s-min=24.5km az=174.0.
NNC Error ellipse: s-maj=94.5km s-min=60.0km az=2.0.
ISC XII 26 15 56 28.3–.33 37.27N–.02 71.97E–.05 193–4 3.5b 117 3-82
ISCJB XII 26 15 56 27.4–.33 37.28N–.02 71.96E–.05 202–5 3.5b **¶11712423**
NEIC XII 26 15 56 28.4–.48 37.25N 71.94E 198–6 4.9b
IDC XII 26 15 56 30.0–4.5 37.19N 72.00E 217–41 3.4,3.3
NNC XII 26 15 56 35.6–4.1 37.89N 71.78E 215–33 4.2,2.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=3.8km az=167.8.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.0km az=56.0.
IDC Error ellipse: s-maj=28.6km s-min=13.7km az=1.0.
NNC Error ellipse: s-maj=38.0km s-min=20.0km az=17.0.
ISC XII 26 16 34 54.7–.39 36.32N–.02 71.36E–.05 108–5 3.8b 138 3-139
IDC XII 26 16 34 41.4–.92 35.90N 70.98E 0 4.0,3.9b **¶12079069**
MOS XII 26 16 34 47.8–2.8 36.22N 71.17E 33 4.2b,3.9b
BJI XII 26 16 34 50.2 36.46N 70.71E 77 4.5b,3.9b
ISCJB XII 26 16 34 53.5–.40 36.36N–.02 71.31E–.05 111–6 3.8b,3.9b
NEIC XII 26 16 34 53.4–.78 36.25N 71.31E 99–9 4.1b,3.9b
NNC XII 26 16 35 00.3–4.4 36.88N 70.74E 124–47 4.2,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=18.4km az=27.0.
MOS Error ellipse: s-maj=12.0km s-min=6.2km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=170.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.9km az=55.0.
NNC Error ellipse: s-maj=33.9km s-min=20.7km az=18.0.
ISC XII 27 04 40 11.1–2.8 37.6N–.20 70.9E–.10 10 11 5-14
NNC XII 27 04 40 12.3–4.3 37.79N 70.88E 0 3.9b,3.7 **¶11712426**
NNC Error ellipse: s-maj=32.8km s-min=29.2km az=15.0.
ISC XII 29 03 37 42.1–.07 36.41N–.01 71.09E–.01 159 5.8b 1589 3-171
SZGRF XII 29 03 37 08.2 34.50N 73.50E 158 6.4b **¶13814087**
BGS XII 29 03 37 17.9–1.7 33.88N 73.34E 150–0 6.0b
BJI XII 29 03 37 40.5 36.67N 71.11E 147 5.7b,5.5b
ISCJB XII 29 03 37 40.5–.07 36.41N–.01 71.06E–.01 157 5.8b,5.5b
MOS XII 29 03 37 40.7–.87 36.52N 71.07E 155 6.0b,5.5b
NEIC XII 29 03 37 41.0–.11 36.39N 71.08E 151 6.0,5.9b
TEH XII 29 03 37 41.0 36.59N 71.06E 141 6.0,5.9b
IDC XII 29 03 37 42.3–.36 36.40N 71.10E 163–2 5.5,5.5
DJA XII 29 03 37 43 36.54N 71.16E 165 6.0W,5.5
GCMT XII 29 03 37 43.1–.10 36.48N 70.91E 155–0 5.8W,5.5
NNC XII 29 03 37 44.5–7.7 36.85N 70.91E 158–84 6.7,5.7b
ISC Event type se.
SZGRF Pakistan.
BGS Error ellipse: s-maj=401.1km s-min=444.6km az=-1.0.
ISCJB Event type de. Error ellipse: s-maj=1.9km s-min=1.3km az=18.1.
MOS Error ellipse: s-maj=5.1km s-min=3.0km az=131.5.
NEIC Event type de. Error ellipse: s-maj=3.8km s-min=2.3km az=23.0. Some buildings damaged slightly in the Mansehra and Shangla areas, Pakistan. Felt at Abbottabad, Chitral, Hazara, Islamabad, Lahore and Rawalpindi. Felt [II] at Bagrami and Kabul, Afghanistan. Also felt at Asadabad, Charikar, Gardiz, Mazar-e Sharif and Konduz. Felt [III] at Dushanbe, Tajikistan. Also felt at Khorugh. Felt at Gilgit, Muzaffarabad and in the Kashmir Valley, Kashmir and at Tashkent, Uzbekistan. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s270.00000°,δ50.00000°,λ90.00000°. NP2:ϕ_s90.00000°,δ40.00000°,λ90.00000°. Principal axes: T Plg85.0000°,Azm180.0000°; N Plg0.0000°,Azm0.0000°; P Plg5.0000° ,Azm360.0000° Moment Tensor Solution. s78 Moment tensor: Scale 10^{17}Nm; M_{rr}4.74 $M_{\theta\theta}$-5.41 $M_{\phi\phi}$0.67 $M_{r\theta}$-2.97 $M_{\theta\phi}$-0.43 $M_{\phi r}$0.38 Best double couple: NP1:ϕ_s272.00000° ,δ60.00000°,λ97.00000°. NP2:ϕ_s79.00000°,δ30.00000°,λ79.00000°. Principal axes: T 5.5900,Plg73.0000°,Azm200.0000°; N 0.6400,Plg6.0000°,Azm88.0000° ; P -6.2300,Plg15.0000°,Azm357.0000° $M_0$5.90000×10^{17}
IDC Error ellipse: s-maj=8.3km s-min=6.6km az=7.0.
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=116, comp=268, per= 50. Moment Tensor Solution. s111,c217; s37,c44; Moment tensor: Scale 10^{17}Nm; M_{rr}5.52±.05 $M_{\theta\theta}$-5.84±.07; $M_{\phi\phi}$0.32±.07; $M_{r\theta}$-3.45±.06; $M_{\theta\phi}$-0.10±.07; $M_{\phi r}$-0.31±.05; Best double couple: NP1:ϕ_s92.00000°,δ29.00000°,λ94.00000°. NP2:ϕ_s267.00000°,δ61.00000°,λ88.00000°. Principal axes: T 6.5000,Plg74.0000°,Azm171.0000°; N 0.3100,Plg2.0000°,Azm268.0000° ; P -6.8100,Plg16.0000°,Azm358.0000° $M_0$6.70000×10^{17}
NNC Error ellipse: s-maj=65.4km s-min=36.6km az=4.0.
ISC XII 29 18 24 27.4–.38 36.42N–.03 71.11E–.05 148–5 3.7b 107 3-84
ISCJB XII 29 18 24 26.4–.39 36.44N–.03 71.10E–.05 154–5 3.7b **¶13404340**
NEIC XII 29 18 24 27.0–.74 36.43N 71.11E 144–9 4.7b
NNC XII 29 18 24 30.7–2.7 36.76N 70.99E 134–28 4.4,3.4b
IDC XII 29 18 24 32.6–4.7 36.45N 71.05E 200–46 3.5,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=4.0km az=166.9.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.6km az=55.0.
NNC Error ellipse: s-maj=21.6km s-min=14.3km az=5.0.
IDC Error ellipse: s-maj=22.3km s-min=12.5km az=17.0.
ISC XII 30 03 09 28.2–.28 36.57N–.02 71.03E–.04 192–3 4.1b 222 3-150
NNC XII 30 03 09 21.8–6.7 36.82N 70.47E 0 4.9,4.6b **¶11524513**
MOS XII 30 03 09 27.8–.96 36.55N 70.99E 204 4.2b,4.6b
ISCJB XII 30 03 09 27.3–.29 36.56N–.02 71.02E–.04 197–4 4.1b,4.6b
NEIC XII 30 03 09 28.2–.50 36.51N 70.96E 196–5 4.6b,4.6b
IDC XII 30 03 09 28.1–3.1 36.46N 70.95E 199–29 3.9s,3.9
BJI XII 30 03 09 28.2 36.71N 70.90E 187 4.6b,4.6b
ISC Event type se.
NNC Error ellipse: s-maj=56.6km s-min=45.0km az=2.0.
MOS Error ellipse: s-maj=9.2km s-min=5.7km az=97.2.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.3km az=168.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.0km az=50.0.
IDC Error ellipse: s-maj=14.4km s-min=10.8km az=4.0.
ISC XII 30 12 54 19.5–.43 36.49N–.03 71.01E–.07 156–7 3.2b 63 3-91
ISCJB XII 30 12 54 18.4–.43 36.50N–.03 70.98E–.06 163–7 3.2b **¶12079554**
IDC XII 30 12 54 18.5–15 36.36N 71.07E 149–145 3.5L,3.3b
NEIC XII 30 12 54 19.6–.55 36.45N 71.06E 155–8 4.3b,3.3b
NNC XII 30 12 54 24.4–3.1 36.88N 70.72E 168–30 4.0,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=168.0.
IDC Error ellipse: s-maj=93.6km s-min=48.2km az=25.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=68.0.
NNC Error ellipse: s-maj=25.9km s-min=14.8km az=26.0.
NNC XII 31 17 12 50.7–4.8 37.21N 70.35E 0 3.8b,3.7
¶12087969
NNC Error ellipse: s-maj=37.7km s-min=36.4km az=72.0.

(718) Hindu Kush region.
ISC VII 01 18 33 28.3–.94 36.0N–.10 70.8E–.20 151–20 14 2-17
¶15025499
ISC VII 02 15 23 48.5–.68 36.49N–.08 69.9E–.10 250–9 3.2b 30 2-44
ISCJB VII 02 15 23 47.5–.64 36.55N–.07 69.7E–.10 255–8 3.0b **¶11325495**
NEIC VII 02 15 23 48.6–.70 36.51N 69.89E 252–9 3.6b
NNC VII 02 15 23 50.4–5.1 36.76N 69.64E 242–46 3.8,2.7b
IDC VII 02 15 23 50.9–5.5 36.66N 69.89E 268–43 3.2,3.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=15.7km s-min=8.5km az=32.7.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=8.8km az=141.0.
NNC Error ellipse: s-maj=47.0km s-min=27.0km az=4.0.
IDC Error ellipse: s-maj=56.2km s-min=22.2km az=171.0.
ISC VII 03 18 11 49.0–3.5 36.4N–.20 70.4E–.20 102–33 10 7-65
IDC VII 03 18 11 34.6–3.5 35.68N 70.52E 0 3.6b,3.6 **¶11325530**
NNC VII 03 18 11 51.9–4.0 37.05N 70.06E 0 4.1b,3.7
IDC Error ellipse: s-maj=88.9km s-min=29.3km az=139.0.
NNC Error ellipse: s-maj=35.7km s-min=31.1km az=95.0.
ISC VII 04 12 02 11.0–2.8 36.7N–.20 70.1E–.20 35 9 6-15
NNC VII 04 12 02 11.9–15 36.76N 70.31E 90–401 3.7,3.2b **¶11325563**
NNC Error ellipse: s-maj=224.2km s-min=100.0km az=69.0.
ISC VII 05 22 09 40.3–.74 36.22N–.07 70.2E–.10 72–13 3.8b 29 2-41
ISCJB VII 05 22 09 38.4–.79 36.21N–.08 70.3E–.10 77–15 3.8b **¶11327884**
NEIC VII 05 22 09 40.3–.97 36.25N 70.00E 64–17 3.6b
NNC VII 05 22 09 43.2–4.7 36.87N 69.98E 0 4.1b,3.7
IDC VII 05 22 09 44.1–8.8 36.57N 69.85E 76–62 3.7b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.8km s-min=6.6km az=32.8.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=10.6km az=125.0.
NNC Error ellipse: s-maj=44.6km s-min=36.2km az=93.0.
IDC Error ellipse: s-maj=83.4km s-min=45.4km az=161.0.
ISC VII 07 17 08 57.8–.46 36.50N–.04 69.84E–.07 214–6 3.4b 53 2-85
ISCJB VII 07 17 08 56.6–.45 36.49N–.04 69.79E–.07 227–6 3.4b **¶11330202**
IDC VII 07 17 08 56.6–6.4 36.35N 70.06E 211–55 3.3,3.3
NEIC VII 07 17 08 57.4–.82 36.42N 69.88E 223–9 4.1b,3.3
NNC VII 07 17 09 06.7–14 37.36N 69.01E 212–125 3.5,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=5.2km az=164.0.
IDC Error ellipse: s-maj=52.7km s-min=24.6km az=45.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=11.0km az=100.0.
NNC Error ellipse: s-maj=139.6km s-min=94.3km az=12.0.
NNC VII 10 05 35 28.7–11 36.61N 70.45E 113–229 3.9,3.3b
¶11342054
NNC Error ellipse: s-maj=88.9km s-min=64.8km az=4.0.
ISC VII 11 02 03 48.7–.27 35.39N–.02 69.59E–.02 41–2 4.9b,3.9s 618 1-148
IDC VII 11 02 03 42.5–.47 35.42N 69.61E 0 4.9,4.8 **¶11227047**
ISCJB VII 11 02 03 44.7–.66 35.38N–.02 69.59E–.02 24–5 4.9b,3.9s
MOS VII 11 02 03 45.8–1.0 35.38N 69.62E 33 5.1b,3.9s
GCMT VII 11 02 03 45.7–.40 35.46N 69.41E 22–1 4.8W,3.9s
NNC VII 11 02 03 47.9–5.3 35.65N 68.55E 82–71 5.1b,5.0
NEIC VII 11 02 03 47.5–1.8 35.40N 69.58E 32–12 5.0b,5.0
BJI VII 11 02 03 47.1 35.61N 69.42E 45 5.1L,4.9b
TEH VII 11 02 03 51.0 35.92N 69.64E 35 5.1L,4.9b
SZGRF VII 11 02 03 55.1 36.71N 69.51E 33 4.6b,4.9b
ISC Event type fe.
IDC Error ellipse: s-maj=12.0km s-min=10.6km az=166.0.
ISCJB Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=15.8.
MOS Error ellipse: s-maj=5.7km s-min=3.6km az=125.6.
GCMT Event type se. Data Used: IC II IU CN G. Moment Tensor Solution. s27,c35; s55,c85; Moment tensor: Scale 10^{16}Nm; M_{rr}1.41±.12 $M_{\theta\theta}$0.49±.09; $M_{\phi\phi}$-1.90±.08; $M_{r\theta}$0.04±.18; $M_{\theta\phi}$-0.50±.06; $M_{\phi r}$0.10±.12; Best double couple: NP1:ϕ_s190.00000°,δ43.00000°,λ88.00000°. NP2:ϕ_s13.00000°,δ47.00000°,λ92.00000°. Principal axes: T 1.4100,Plg88.0000° ,Azm321.0000°; N 0.5900,Plg1.0000°,Azm191.0000°; P -2.0000,Plg2.0000°,Azm101.0000° $M_0$1.70000×10^{16}
NNC Error ellipse: s-maj=45.1km s-min=34.0km az=79.0.
NEIC Event type fe. Error ellipse: s-maj=5.8km s-min=3.9km az=188.0. Felt [II] at Bagrami. Also felt at Charikar and Kabul.
SZGRF Hindu Kush, Afghanistan, region.
NNC VII 11 13 12 35.6–8.9 36.63N 70.97E 146–157 3.7,3.1b
¶11342138
NNC Error ellipse: s-maj=116.3km s-min=41.3km az=47.0.
NNC VII 13 05 45 06.6–3.6 36.96N 70.97E 144–55 3.9,3.0b
¶11344719
NNC Error ellipse: s-maj=33.5km s-min=22.0km az=8.0.
ISC VII 13 08 50 36.5–.74 35.28N–.02 69.61E–.02 16–5 4.6b,3.6s 297 1-148
BJI VII 13 08 50 28.3 35.24N 68.82E 10 4.8b,4.7b **¶13389063**
IDC VII 13 08 50 34.0–.50 35.33N 69.49E 0 4.6,4.5
ISCJB VII 13 08 50 35.2–.68 35.31N–.02 69.66E–.03 21–5 4.6b,3.6s
NEIC VII 13 08 50 35.7–.30 35.29N 69.56E 10 4.6b,3.6s
SZGRF VII 13 08 50 37.1 35.40N 70.73E 33 4.2b,3.6s
MOS VII 13 08 50 37.6–1.4 35.41N 69.65E 33 4.8b,3.6s
NNC VII 13 08 50 43.3–4.0 35.76N 69.19E 103–41 4.9,4.4b
ISC Event type fe.
IDC Error ellipse: s-maj=11.6km s-min=11.1km az=59.0.
ISCJB Event type fe. Error ellipse: s-maj=3.9km s-min=3.3km az=31.4.
NEIC Event type fe. Error ellipse: s-maj=6.6km s-min=5.4km az=174.0. Felt [II] at Kabul.
SZGRF Hindu Kush, Afghanistan, region.
MOS Error ellipse: s-maj=6.5km s-min=4.5km az=111.2.
NNC Error ellipse: s-maj=29.7km s-min=26.7km az=17.0.
ISC VII 16 02 04 50.4–2.9 36.4N–.20 69.7E–.20 125–63 12 7-15
NNC VII 16 02 04 51.0–2.0 36.89N 69.49E 0 3.6b,3.4 **¶11348208**
NNC Error ellipse: s-maj=19.0km s-min=15.0km az=99.0.
ISC VII 19 01 53 14.8–1.0 36.91N–.05 66.66E–.06 38–13 3.6b,3.3s 49 3-87
IDC VII 19 01 53 04.7–1.2 36.17N 66.88E 0 3.8,3.7b **¶13389543**
NEIC VII 19 01 53 12.1–4.0 36.69N 66.78E 27–33 3.8b,3.7b
ISCJB VII 19 01 53 13.8–1.2 36.96N–.04 66.76E–.07 48–15 3.6b,3.3s
NNC VII 19 01 53 17.3–1.9 37.48N 66.87E 0 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=20.7km az=24.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.0km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=7.2km az=171.3.
NNC Error ellipse: s-maj=16.7km s-min=13.6km az=141.0.
NNC VII 19 06 09 34.8–9.7 36.13N 69.94E 0 4.1b,3.5
¶11358849
NNC Error ellipse: s-maj=100.9km s-min=69.6km az=141.0.
ISC VII 19 17 49 12.3–.34 36.50N–.02 70.29E–.05 210–4 3.5b 87 2-85
BJI VII 19 17 49 10.7 36.34N 70.29E 236 4.5b,4.4b **¶13389587**
ISCJB VII 19 17 49 11.5–.35 36.48N–.03 70.31E–.05 218–4 3.5b,4.4b
IDC VII 19 17 49 12.6–3.2 36.46N 70.27E 215–31 3.4,3.3
MOS VII 19 17 49 12.0–1.2 36.51N 70.23E 222 4.4b,3.3
NEIC VII 19 17 49 12.7–.74 36.51N 70.25E 213–8 4.3b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=4.0km az=170.5.
IDC Error ellipse: s-maj=20.9km s-min=14.5km az=19.0.
MOS Error ellipse: s-maj=14.6km s-min=8.0km az=81.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.7km az=111.0.
ISC VII 19 18 28 01.7–.14 36.02N–.02 70.59E–.02 139 4.5b 332 2-149
SZGRF VII 19 18 27 42.9 35.80N 72.20E 142 4.6b **¶13389590**
BJI VII 19 18 27 56.8 36.20N 70.10E 117 4.9b,4.6b
TEH VII 19 18 27 58.8 36.29N 70.59E 106 4.9b,4.6b
ISCJB VII 19 18 28 00.0–.14 36.04N–.02 70.55E–.02 137 4.5b,4.6b
MOS VII 19 18 28 00.6–.78 36.15N 70.49E 134 4.6b,4.6b
NEIC VII 19 18 28 01.2–.56 36.14N 70.51E 127–5 4.7b,4.6b
IDC VII 19 18 28 02.6–.51 36.17N 70.53E 139–4 4.2,4.2
NNC VII 19 18 28 03.7–6.4 36.42N 69.94E 144–62 5.7,4.7b
ISC Event type se.
SZGRF Pakistan.
ISCJB Event type se. Error ellipse: s-maj=2.7km s-min=2.3km az=33.5.
MOS Error ellipse: s-maj=6.9km s-min=4.3km az=111.9.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.2km az=175.0.

IDC Error ellipse: s-maj=10.7km s-min=8.8km az=23.0.
NNC Error ellipse: s-maj=48.8km s-min=37.9km az=29.0.
ISC VII 21 00 03 12.7–.63 36.59N–.05 70.77E–.09 171–7 3.9b 29 2-36
ISCJB VII 21 00 03 11.6–.64 36.57N–.05 70.79E–.09 177–8 3.9b **¶11360818**
NEIC VII 21 00 03 12.9–.70 36.52N 70.78E 181–8 3.9b
IDC VII 21 00 03 15.5–9.7 36.72N 70.81E 182–66 3.0,3.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.6km s-min=6.7km az=33.2.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.6km az=145.0.
IDC Error ellipse: s-maj=89.5km s-min=54.7km az=174.0.
ISC VII 28 15 55 14.5–.63 36.57N–.04 70.98E–.07 172–8 3.6b 48 3-84
ISCJB VII 28 15 55 13.7–.62 36.58N–.04 70.97E–.07 180–8 3.6b **¶11362728**
IDC VII 28 15 55 13.1–7.3 36.34N 70.95E 173–63 3.4b,3.4
NEIC VII 28 15 55 15.0–.60 36.52N 70.90E 185–7 4.5b,3.4
NNC VII 28 15 55 19.1–5.5 37.38N 70.40E 0 4.2b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=4.9km az=157.4.
IDC Error ellipse: s-maj=61.1km s-min=19.2km az=39.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.0km az=61.0.
NNC Error ellipse: s-maj=43.1km s-min=41.9km az=76.0.
ISC VII 31 13 33 56.0–.40 35.41N–.03 70.57E–.05 83–6 3.7b 71 2-84
ISCJB VII 31 13 33 54.6–.46 35.44N–.03 70.58E–.05 84–7 3.7b **¶11377405**
IDC VII 31 13 33 54.2–5.0 35.53N 70.29E 62–42 3.8,3.7
BJI VII 31 13 33 55.5 35.50N 70.40E 84 4.3b,4.2b
NEIC VII 31 13 33 56.5–.66 35.50N 70.39E 84–6 4.8b,4.2b
NNC VII 31 13 34 06.5–4.9 36.77N 69.93E 0 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.6km s-min=5.0km az=1.9.
IDC Error ellipse: s-maj=32.4km s-min=19.4km az=31.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.8km az=122.0.
NNC Error ellipse: s-maj=41.8km s-min=38.9km az=101.0.
ISC VIII 01 10 45 26.7–1.1 36.47N–.04 70.3E–.10 184–10 3.3b 35 3-85
IDC VIII 01 10 45 22.5–8.0 36.18N 69.84E 193–55 3.3,3.2b **¶11379046**
ISCJB VIII 01 10 45 26.1–1.1 36.46N–.04 70.3E–.10 209–9 3.2b,3.2b
ISC VIII 01 15 26 31.1–.79 36.54N–.07 70.7E–.10 183–11 21 2-20
ISCJB VIII 01 15 26 30.0–.80 36.52N–.08 70.7E–.10 191–12 **¶11379057**
NEIC VIII 01 15 26 30.9–1.1 36.45N 70.75E 197–17 3.4b
IDC VIII 01 15 26 34.5–9.2 36.72N 70.77E 207–60 2.9,2.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=18.4km s-min=7.9km az=35.8.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=13.1km az=139.0.
IDC Error ellipse: s-maj=86.7km s-min=52.4km az=173.0.
ISC VIII 03 17 40 47.5–.44 36.45N–.03 70.80E–.06 188–6 3.7b 52 2-84
BJI VIII 03 17 40 45.8 35.92N 71.07E 227 3.7b **¶11377471**
IDC VIII 03 17 40 45.5–3.5 36.32N 70.83E 174–31 3.6,3.5
ISCJB VIII 03 17 40 46.6–.45 36.45N–.03 70.78E–.06 194–6 3.6b,3.5
NEIC VIII 03 17 40 47.9–.69 36.43N 70.78E 195–6 4.1b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=20.1km az=43.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.3km az=161.1.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.5km az=120.0.
ISC VIII 04 21 22 51.4–.52 36.67N–.04 70.80E–.07 155–7 3.8b 38 3-44
ISCJB VIII 04 21 22 50.5–.52 36.68N–.03 70.77E–.06 161–8 3.8b **¶11382294**
NEIC VIII 04 21 22 51.0–.84 36.60N 70.90E 162–11 3.5b
IDC VIII 04 21 22 54.1–9.2 36.78N 70.98E 181–61 3.5b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=5.7km az=4.1.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=8.0km az=133.0.
IDC Error ellipse: s-maj=85.0km s-min=46.2km az=175.0.
ISC VIII 05 02 46 43.8–.47 36.58N–.03 70.16E–.07 203–6 3.2b 54 2-85
IDC VIII 05 02 46 39.0–4.3 36.21N 70.21E 177–37 3.3,3.3 **¶11652801**
BJI VIII 05 02 46 40.9 35.75N 70.73E 238 3.3,3.3
ISCJB VIII 05 02 46 42.8–.46 36.56N–.03 70.17E–.06 213–6 3.2b,3.3
NEIC VIII 05 02 46 43.1–.80 36.45N 70.27E 210–8 3.6b,3.3
NNC VIII 05 02 46 58.5–9.6 37.80N 71.26E 289–109 4.3,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=21.4km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=173.1.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.9km az=126.0.
NNC Error ellipse: s-maj=98.8km s-min=74.0km az=4.0.
ISC VIII 06 08 26 51.4–.28 36.48N–.02 70.39E–.03 195–3 4.3b 206 2-149
BJI VIII 06 08 26 45.7 36.51N 69.76E 204 4.7b,4.5b **¶11158574**
ISCJB VIII 06 08 26 50.5–.28 36.47N–.02 70.39E–.03 202–3 4.3b,4.5b
MOS VIII 06 08 26 51.5–.98 36.51N 70.32E 207 4.6b,4.5b
IDC VIII 06 08 26 52.9–.64 36.51N 70.37E 211–4 4.0,3.9
NEIC VIII 06 08 26 52.3–.68 36.47N 70.40E 205–6 4.7b,3.9
NNC VIII 06 08 26 56.8–3.5 36.90N 70.40E 206–28 4.8,3.7b
TEH VIII 06 08 27 00.0 36.47N 70.53E 200 4.8,3.7b
ISC Event type fe.
ISCJB Event type fe. Error ellipse: s-maj=4.2km s-min=3.0km az=154.8.
MOS Error ellipse: s-maj=10.3km s-min=6.0km az=92.7.
IDC Error ellipse: s-maj=12.0km s-min=9.0km az=167.0.
NEIC Event type fe. Error ellipse: s-maj=8.5km s-min=7.0km az=144.0. Felt at Islamabad, Pakistan.
NNC Error ellipse: s-maj=30.2km s-min=21.3km az=6.0.
ISC VIII 06 13 27 45.5–.38 36.30N–.02 69.94E–.05 155–5 3.5b 109 2-85
IDC VIII 06 13 27 42.9–4.2 36.11N 69.79E 131–36 3.6,3.6 **¶11377501**
ISCJB VIII 06 13 27 44.4–.39 36.31N–.03 69.90E–.05 160–5 3.5b,3.6
MOS VIII 06 13 27 44.9–1.0 36.37N 69.80E 156 4.1b,3.6
NEIC VIII 06 13 27 45.4–.80 36.33N 69.85E 149–9 4.4b,3.6
BJI VIII 06 13 27 45.4 36.42N 69.89E 136 4.1b,3.6
NNC VIII 06 13 27 49.8–4.0 36.72N 69.81E 166–36 4.3,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=29.9km s-min=17.3km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=6.7km s-min=3.9km az=163.4.
MOS Error ellipse: s-maj=17.6km s-min=8.2km az=78.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.4km az=134.0.
NNC Error ellipse: s-maj=33.4km s-min=19.6km az=7.0.
ISC VIII 12 20 56 05.3–.80 36.50N–.07 70.9E–.10 87–13 3.6b 39 2-44
ISCJB VIII 12 20 56 04.0–.86 36.52N–.07 71.0E–.10 91–14 3.6b **¶11449792**
NEIC VIII 12 20 56 04.8–1.2 36.40N 71.09E 108–15 3.9b
NNC VIII 12 20 56 05.1–21 37.00N 70.55E 0 3.8b,3.5
IDC VIII 12 20 56 10.4–8.9 36.70N 71.24E 132–64 3.2b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.8km s-min=7.0km az=33.8.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=11.5km az=135.0.
NNC Error ellipse: s-maj=226.3km s-min=134.4km az=50.0.
IDC Error ellipse: s-maj=78.8km s-min=49.0km az=168.0.
ISC VIII 13 09 01 05.7–.42 36.56N–.04 70.62E–.09 195–7 3.3b 43 2-65
NEIC VIII 13 09 01 03.9–.93 36.15N 71.15E 225–9 3.9b **¶11449805**
IDC VIII 13 09 01 03.5–5.2 36.31N 70.80E 193–47 3.3b,3.3
ISCJB VIII 13 09 01 04.7–.42 36.55N–.04 70.60E–.09 203–8 3.3b,3.3
NNC VIII 13 09 01 12.8–4.6 37.10N 70.57E 234–44 3.7,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=10.7km az=135.0.
IDC Error ellipse: s-maj=51.9km s-min=37.2km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=5.8km az=19.8.
NNC Error ellipse: s-maj=42.3km s-min=27.2km az=23.0.
ISC VIII 18 15 24 12.5–.43 36.56N–.05 70.90E–.09 208–7 3.2b 37 3-75
IDC VIII 18 15 24 07.5–4.9 36.25N 70.94E 185–38 3.4,3.3b **¶11453264**
ISCJB VIII 18 15 24 11.4–.43 36.57N–.05 70.85E–.09 216–7 3.2b,3.3b
NEIC VIII 18 15 24 11.6–.96 36.40N 71.01E 221–9 4.0b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=29.5km az=148.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=6.7km az=17.8.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=10.0km az=134.0.
ISC VIII 23 05 49 18.3–4.9 35.6N–.20 69.2E–.20 14–33 3.5b 10 8-64
IDC VIII 23 05 49 14.5–2.9 35.37N 69.45E 0 3.6,3.5b **¶12581311**
ISCJB VIII 23 05 49 18.8–5.3 35.7N–.20 69.3E–.20 31–39 3.5b,3.5b
ISC VIII 23 20 08 52.2–2.6 36.4N–.20 71.0E–.10 173–22 3.5b 24 5-82
IDC VIII 23 20 08 49.5–6.1 36.16N 70.79E 158–55 3.3,3.2b **¶11908657**

NEIC VIII 23 20 08 54.2–3.5 36.43N 70.80E 192–33 3.7b,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=45.0km s-min=24.8km az=31.0.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=14.9km az=213.0.
ISC VIII 26 00 17 14.4–.98 36.65N–.05 70.2E–.20 130–30 11 3-15
ISCJB VIII 26 00 17 13.4–.99 36.68N–.06 70.3E–.20 128–37 **¶11477787**
NNC VIII 26 00 17 16.6–1.6 36.81N 70.28E 139–24 3.6,2.9b
ISCJB Error ellipse: s-maj=23.4km s-min=10.5km az=2.1.
NNC Error ellipse: s-maj=13.2km s-min=6.3km az=15.0.
ISC VIII 29 02 07 52.7–.34 36.51N–.02 70.85E–.05 184–5 3.7b 99 2-84
ISCJB VIII 29 02 07 51.7–.34 36.49N–.03 70.81E–.05 188–5 3.7b **¶11480204**
NEIC VIII 29 02 07 52.0–.64 36.44N 70.84E 183–6 3.9b
MOS VIII 29 02 07 51.3–.76 36.46N 70.88E 188 3.9b
IDC VIII 29 02 07 53.0–2.3 36.48N 70.94E 192–21 3.7,3.6b
BJI VIII 29 02 07 53.1 37.14N 70.36E 187 4.5b,4.1b
NNC VIII 29 02 07 56.4–3.5 36.85N 70.66E 156–33 4.4,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=3.9km az=167.6.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.2km az=120.0.
MOS Error ellipse: s-maj=20.6km s-min=7.4km az=86.9.
IDC Error ellipse: s-maj=18.9km s-min=14.7km az=115.0.
NNC Error ellipse: s-maj=28.0km s-min=16.7km az=17.0.
ISC IX 06 05 47 40.0–.07 36.45N–.01 70.92E–.01 192 5.5b 1852 2-151
DJA IX 06 05 47 21 36.66N 71.44E 10 6.7W **¶13393558**
NNC IX 06 05 47 34.3–8.6 36.62N 69.91E 108–111 6.9,6.2b
TEH IX 06 05 47 38.0 36.56N 71.01E 174 6.9,6.2b
ISCJB IX 06 05 47 38.4–.07 36.45N–.01 70.89E–.01 190 5.7b,6.2b
BJI IX 06 05 47 38.6 36.65N 70.85E 192 5.8b,5.6b
NEIC IX 06 05 47 39.9–.11 36.49N 70.93E 192 6.3,5.8W
SZGRF IX 06 05 47 39.2 36.48N 71.10E 191 5.9b,5.8W
IDC IX 06 05 47 39.8–.36 36.49N 71.00E 196–3 5.4,5.4
MOS IX 06 05 47 39.0–.97 36.57N 70.96E 196 5.6b,4.9s
BGS IX 06 05 47 41.0–1.7 36.57N 70.57E 190–0 5.5b,4.9s
GCMT IX 06 05 47 41.1–.10 36.49N 70.78E 183–0 5.8W,4.9s
ISC Event type se.
NNC Error ellipse: s-maj=59.5km s-min=46.3km az=19.0.
ISCJB Event type se. Error ellipse: s-maj=1.7km s-min=1.2km az=21.5.
NEIC Event type fe. Error ellipse: s-maj=3.2km s-min=1.9km az=182.0. Felt [IV] at Jalalabad and [III] at Bagrami, Charikar and Kabul. Also felt at Baghran, Mahmud-e Raqi, Nuristan and Sarawbi. Felt [IV] at Islamabad, Pakistan. Also felt at Abbottabad, Chitral, Lahore, Peshawar, Rawalpindi, Sialkot and Topi. Felt [III] at Tashkent, Uzbekistan. Also felt at Chandigarh, India; Doda, Punch and Rajouri, Kashmir; Dushanbe, Tajikistan. Depth from broadband displacement seismograms. Energy computed from BB mechanism. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s235.00000°,δ60.00000° ,λ90.00000°. NP2:ϕ_s55.00000°,δ30.00000°,λ90.00000°. Principal axes: T Plg75.0000° ,Azm145.0000°; N Plg0.0000°,Azm0.0000°; P Plg15.0000°,Azm325.0000° Moment Tensor Solution. s68 Moment tensor: Scale 10^{17}Nm; M_{rr}3.52 $M_{\theta\theta}$-2.76 $M_{\phi\phi}$-0.76 $M_{r\theta}$-4.10 $M_{\theta\phi}$-0.08 $M_{\phi r}$-1.76 Best double couple: NP1:ϕ_s92.00000°,δ19.00000°,λ110.00000°. NP2:ϕ_s251.00000° ,δ73.00000°,λ83.00000°. Principal axes: T 5.9000,Plg61.0000°,Azm151.0000° ; N -0.9300,Plg6.0000°,Azm253.0000°; P -4.9700,Plg27.0000°,Azm346.0000° M_o5.50000×10^{17}
SZGRF Afghanistan-Tajikistan border region.
IDC Error ellipse: s-maj=7.6km s-min=5.5km az=177.0.
MOS Error ellipse: s-maj=5.1km s-min=2.7km az=131.5.
BGS Error ellipse: s-maj=306.4km s-min=378.5km az=-1.0.
GCMT Event type se. Data Used: II IU IC CN. Surface waves: sta=104, comp=245, per= 50. Moment Tensor Solution. s86,c174; s58,c66; Moment tensor: Scale 10^{17}Nm; M_{rr}4.25±.07 $M_{\theta\theta}$-3.84±.08; $M_{\phi\phi}$-0.41±.08; $M_{r\theta}$-5.30±.06; $M_{\theta\phi}$-0.76±.08; $M_{\phi r}$-2.14±.06; Best double couple: NP1:ϕ_s85.00000°,δ18.00000°,λ104.00000°. NP2:ϕ_s250.00000°,δ72.00000°,λ85.00000°. Principal axes: T 7.2100,Plg63.0000°,Azm153.0000°; N -0.3300,Plg4.0000°,Azm251.0000° ; P -6.8800,Plg27.0000°,Azm344.0000° M_o7.10000×10^{17}
NNC IX 09 01 12 32.9–8.6 36.95N 70.13E 0 3.6b,3.5 ¶11783419
NNC Error ellipse: s-maj=81.0km s-min=68.9km az=48.0.
ISC IX 10 09 40 17.1–.68 36.11N–.03 69.36E–.08 129–8 52 2-85
IDC IX 10 09 39 57.6–5.5 35.60N 67.93E 0 3.9,3.8 **¶11377876**
ISCJB IX 10 09 40 16.6–.68 36.13N–.03 69.45E–.08 131–8 3.9,3.8
NEIC IX 10 09 40 16.4–.80 36.09N 69.17E 119–9 4.7b,3.8
NNC IX 10 09 40 23.1–1.4 37.05N 69.55E 0 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=160.4km s-min=25.4km az=102.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=4.9km az=167.7.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=8.6km az=102.0.
NNC Error ellipse: s-maj=12.5km s-min=10.2km az=59.0.
ISC IX 11 18 48 52.6–2.5 36.5N–.20 70.3E–.10 35 11 6-15
NNC IX 11 18 48 53.5–5.6 36.79N 70.25E 0 3.7b,3.7 **¶11783519**
NNC Error ellipse: s-maj=44.8km s-min=31.6km az=177.0.
ISC IX 18 01 00 44.9–.48 36.61N–.03 70.56E–.07 167–7 3.4b 51 2-65
IDC IX 18 01 00 42.9–4.8 36.44N 70.65E 164–51 3.3,3.2b **¶11514601**
ISCJB IX 18 01 00 44.4–.48 36.61N–.03 70.64E–.07 172–8 3.4b,3.2b
NNC IX 18 01 00 45.1–9.7 36.94N 69.87E 0 4.2b,4.2
NEIC IX 18 01 00 45.1–.72 36.61N 70.58E 174–9 4.7b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=58.3km s-min=33.7km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=4.8km az=162.3.
NNC Error ellipse: s-maj=77.2km s-min=51.9km az=175.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.8km az=65.0.
ISC IX 19 23 51 58.1–.50 36.68N–.03 69.79E–.08 132–11 30 2-51
ISCJB IX 19 23 51 57.2–.50 36.68N–.04 69.87E–.08 136–12 **¶11514674**
IDC IX 19 23 51 58.7–9.6 36.67N 69.94E 146–69 3.4b,3.2
NEIC IX 19 23 51 58.3–1.0 36.64N 69.72E 140–18 3.8b,3.2
NNC IX 19 23 52 02.5–6.3 36.94N 69.56E 139–68 3.7,2.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=6.4km az=6.9.
IDC Error ellipse: s-maj=91.2km s-min=67.5km az=155.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=13.6km az=124.0.
NNC Error ellipse: s-maj=52.3km s-min=37.0km az=28.0.
ISC IX 28 17 24 26.9–.94 36.74N–.07 69.8E–.20 35 9 3-14
ISCJB IX 28 17 24 24.7–.93 36.80N–.06 69.8E–.20 33 **¶11519385**
NNC IX 28 17 24 35.4–9.8 37.57N 69.74E 0 3.7b,3.5
ISCJB Error ellipse: s-maj=21.4km s-min=5.9km az=160.1.
NNC Error ellipse: s-maj=93.8km s-min=78.1km az=74.0.
NNC IX 29 03 48 18.9–16 36.72N 69.13E 0 3.6b,3.5 ¶11521456
NNC Error ellipse: s-maj=143.6km s-min=114.6km az=168.0.
ISC X 01 02 03 06.5–.59 36.73N–.04 70.6E–.10 76–12 3.6b 44 3-65
IDC X 01 02 02 54.2–3.0 36.19N 70.95E 0 3.8,3.8 **¶11525807**
ISCJB X 01 02 03 05.1–.65 36.76N–.04 70.7E–.10 81–12 3.6b,3.8
NEIC X 01 02 03 07.1–1.1 36.81N 70.64E 78–14 3.6b,3.8
NNC X 01 02 03 07.1–4.4 36.79N 70.42E 81–65 3.9,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=55.9km s-min=25.9km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=6.4km az=7.6.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=11.0km az=123.0.
NNC Error ellipse: s-maj=46.9km s-min=29.5km az=64.0.
ISC X 01 08 32 50.2–.41 36.55N–.04 70.93E–.08 193–6 3.3b 55 3-84
IDC X 01 08 32 45.5–4.2 36.30N 70.90E 157–35 3.4,3.2b **¶11525821**
ISCJB X 01 08 32 49.3–.41 36.56N–.04 70.93E–.08 198–6 3.3b,3.2b
NEIC X 01 08 32 49.8–.77 36.50N 70.95E 193–7 3.7b,3.2b
NNC X 01 08 32 56.2–1.8 37.06N 70.99E 192–27 4.2,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=19.4km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=6.1km az=11.8.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.0km az=121.0.
NNC Error ellipse: s-maj=18.2km s-min=8.9km az=4.0.
NNC X 03 08 28 33.3–4.7 36.97N 70.87E 146–131 3.5,2.7b ¶11747988
NNC Error ellipse: s-maj=49.7km s-min=31.1km az=38.0.
ISC X 03 12 37 35.3–.39 36.61N–.03 70.85E–.05 178–5 3.6b 77 3-84
ISCJB X 03 12 37 34.3–.39 36.61N–.03 70.83E–.05 188–6 3.6b **¶11748021**
NEIC X 03 12 37 35.8–.73 36.61N 70.90E 186–9 4.6b

IDC X 03 12 37 35.6–3.8 36.48N 71.05E 193–35 3.5,3.4b
NNC X 03 12 37 38.7–3.7 36.93N 70.80E 185–32 4.0,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.2km az=171.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.1km az=60.0.
IDC Error ellipse: s-maj=28.4km s-min=12.8km az=30.0.
NNC Error ellipse: s-maj=31.5km s-min=18.5km az=25.0.
ISC X 04 23 36 33.4–.43 36.58N–.03 71.00E–.07 199–5 3.5b 68 3-84
IDC X 04 23 36 28.4–4.3 36.28N 70.92E 160–38 3.5,3.4b **¶12065946**
ISCJB X 04 23 36 32.4–.44 36.59N–.03 70.96E–.07 206–6 3.5b,3.4b
NEIC X 04 23 36 33.1–.66 36.53N 70.96E 199–8 4.3b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=19.0km az=29.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.7km az=173.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.2km az=63.0.
ISC X 06 16 17 44.6–.56 36.37N–.03 70.99E–.09 109–7 3.9b 75 3-84
BJI X 06 16 17 16.1 34.07N 70.48E 37 4.6b,4.2b **¶13396233**
IDC X 06 16 17 42.9–5.3 36.26N 71.19E 99–45 3.8,3.7b
NEIC X 06 16 17 43.3–2.3 36.26N 70.98E 104–17 4.5b,3.7b
ISCJB X 06 16 17 43.4–.58 36.38N–.04 71.03E–.09 114–8 3.9b,3.7b
NNC X 06 16 17 46.0–3.6 36.86N 70.63E 0 4.0b,4.0
MOS X 06 16 17 47.4–.84 36.69N 70.92E 128 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=22.5km az=28.0.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=13.1km az=198.0.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=5.8km az=2.5.
NNC Error ellipse: s-maj=31.1km s-min=26.8km az=155.0.
MOS Error ellipse: s-maj=23.1km s-min=8.4km az=85.4.
ISC X 09 23 30 22.4–.56 36.76N–.05 70.97E–.08 206–6 3.2b 52 3-66
IDC X 09 23 30 18.3–5.3 36.43N 71.05E 197–50 3.5b,3.3 **¶11748456**
ISCJB X 09 23 30 21.3–.56 36.73N–.05 70.97E–.08 219–7 3.2b,3.3
NEIC X 09 23 30 21.8–.90 36.63N 71.06E 224–9 3.5b,3.3
NNC X 09 23 30 25.2–2.9 36.96N 71.05E 210–27 3.8,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=56.3km s-min=36.9km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=6.0km az=26.7.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=8.3km az=134.0.
NNC Error ellipse: s-maj=25.9km s-min=16.0km az=9.0.
ISC X 14 13 26 53.6–1.1 36.60N–.09 70.9E–.20 66–14 4.0b 36 3-44
IDC X 14 13 26 35.6–7.2 35.53N 71.59E 0 3.9b,3.9 **¶11748802**
NEIC X 14 13 26 51.6–1.4 36.34N 71.36E 87–13 3.9b,3.9
NNC X 14 13 26 54.2–6.1 36.99N 70.74E 0 3.8,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=123.7km s-min=31.6km az=152.0.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=10.7km az=128.0.
NNC Error ellipse: s-maj=56.7km s-min=50.2km az=53.0.
NNC X 14 22 40 42.0–10 36.65N 69.48E 0 3.6b,3.3
¶11748823
NNC Error ellipse: s-maj=97.0km s-min=77.2km az=52.0.
ISC X 23 00 23 25.7–1.5 35.70N–.09 69.9E–.40 125–51 8 3-15
ISCJB X 23 00 23 24.9–1.5 35.72N–.10 69.9E–.40 133–59 **¶11749244**
NNC X 23 00 23 27.9–1.4 36.35N 69.52E 0 3.7b,3.4
ISCJB Error ellipse: s-maj=51.5km s-min=16.2km az=0.1.
NNC Error ellipse: s-maj=26.6km s-min=10.7km az=92.0.
ISC X 23 08 07 32.1–1.0 36.40N–.05 70.7E–.20 35 9 3-15
ISCJB X 23 08 07 30.3–1.0 36.47N–.05 70.8E–.20 33 **¶11749266**
NNC X 23 08 07 36.7–4.5 37.10N 70.43E 0 3.6b,3.3
ISCJB Error ellipse: s-maj=19.8km s-min=6.2km az=172.8.
NNC Error ellipse: s-maj=35.1km s-min=34.8km az=132.0.
NNC X 25 08 13 21.7–5.7 36.63N 69.77E 59–129 3.7,3.4b
¶11749403
NNC Error ellipse: s-maj=43.6km s-min=36.4km az=157.0.
ISC X 26 01 28 56.6–.08 36.48N–.01 70.68E–.01 211 5.3b 1503 2-150
SZGRF X 26 01 28 24.7 34.54N 71.89E 33 6.1b,4.5s **¶12071117**
BGS X 26 01 28 53.3–1.8 35.79N 70.39E 210–999 5.3b,4.5s
ISCJB X 26 01 28 54.9–.07 36.45N–.01 70.65E–.01 209 5.3b,4.5s
MOS X 26 01 28 54.1–.96 36.49N 70.70E 204 5.3b,4.5s
DJA X 26 01 28 55 36.53N 70.70E 188 5.5W,4.5s
TEH X 26 01 28 56.0 36.53N 70.67E 208 5.5W,4.5s
IDC X 26 01 28 56.4–.45 36.46N 70.74E 214–3 5.1,5.0
NEIC X 26 01 28 56.1–.11 36.49N 70.68E 210 5.7W,5.5b
BJI X 26 01 28 57.3 36.59N 71.13E 215 5.4b,5.2b
GCMT X 26 01 28 58.2–.10 36.44N 70.46E 200–0 5.7W,5.2b
NNC X 26 01 29 01.2–3.4 37.05N 70.63E 221–29 6.2,5.1b
ISC Event type fe.
SZGRF Pakistan.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISCJB Event type fe. Error ellipse: s-maj=2.0km s-min=1.4km az=17.9.
MOS Error ellipse: s-maj=4.5km s-min=2.7km az=125.1.
IDC Error ellipse: s-maj=7.5km s-min=5.9km az=179.0.
NEIC Event type fe. Error ellipse: s-maj=3.4km s-min=2.3km az=197.0. Felt [III] at Charikar and Kabul. Also felt at Bagrami, Feyzabad, Jurm, Paghman and Kandahar. Felt at Islamabad and Sargodha, Pakistan. Felt at Khorugh, Tajikistan. Moment Tensor Solution. s59 Moment tensor: Scale 10^{17}Nm; M_{rr}2.76 $M_{\theta\theta}$-1.99 $M_{\phi\phi}$-0.77 $M_{r\theta}$3.48 $M_{\theta\phi}$0.88 $M_{\phi r}$-0.16 Best double couple: NP1:ϕ_s308.00000°,δ20.00000°,λ118.00000°. NP2:ϕ_s99.00000° ,δ72.00000°,λ80.00000°. Principal axes: T 4.6100,Plg61.0000°,Azm353.0000° ; N -0.5600,Plg9.0000°,Azm101.0000°; P -4.0500,Plg26.0000°,Azm196.0000° M_o4.40000×10^{17}
GCMT Event type se. Data Used: II IU IC G CN. Surface waves: sta=110, comp=233, per= 50. Moment Tensor Solution. s99,c198; s48,c55; Moment tensor: Scale 10^{17}Nm; M_{rr}2.82±.05 $M_{\theta\theta}$-2.94±.06; $M_{\phi\phi}$0.12±.06; $M_{r\theta}$4.09±.05; $M_{\theta\phi}$0.28±.06; $M_{\phi r}$-0.50±.05; Best double couple: NP1:ϕ_s273.00000°,δ18.00000°,λ87.00000°. NP2:ϕ_s97.00000°,δ72.00000°,λ91.00000°. Principal axes: T 4.9600,Plg63.0000°,Azm8.0000°; N 0.1500,Plg1.0000°,Azm276.0000° ; P -5.1100,Plg27.0000°,Azm186.0000° M_o5.00000×10^{17}
NNC Error ellipse: s-maj=32.1km s-min=19.1km az=20.0.
ISC X 27 05 39 36.4–2.3 36.3N–.10 68.8E–.10 60–22 21 7-64
ISCJB X 27 05 39 34.9–2.5 36.4N–.10 68.9E–.10 68–24 **¶12071222**
NEIC X 27 05 39 35.3–4.2 36.26N 68.77E 52–31 3.2b
IDC X 27 05 39 46.9–3.6 40.19N 64.90E 0 3.7L,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=24.7km s-min=15.6km az=145.8.
NEIC Event type se. Error ellipse: s-maj=47.2km s-min=22.3km az=169.0.
IDC Error ellipse: s-maj=190.7km s-min=22.7km az=153.0.
ISC X 29 23 06 20.7–.40 36.73N–.03 70.91E–.06 206–5 3.3b 48 3-82
IDC X 29 23 06 11.4–11 36.20N 70.92E 138–111 3.3b,3.3 **¶11749669**
ISCJB X 29 23 06 19.8–.41 36.73N–.03 70.88E–.06 213–6 3.3b,3.3
NEIC X 29 23 06 21.1–.67 36.73N 70.90E 218–8 4.3b,3.3
NNC X 29 23 06 31.4–3.5 37.60N 71.30E 272–37 3.1,1.9b
ISC Event type se.
IDC Error ellipse: s-maj=55.4km s-min=28.8km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=5.0km az=178.9.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.0km az=62.0.
NNC Error ellipse: s-maj=43.9km s-min=20.3km az=15.0.
ISC X 30 04 59 57.7–.38 36.53N–.03 70.36E–.06 197–5 3.5b 78 2-74
IDC X 30 04 59 55.4–4.2 36.33N 70.16E 177–42 3.4,3.3b **¶11749679**
ISCJB X 30 04 59 56.7–.38 36.51N–.03 70.34E–.05 205–5 3.5b,3.3b
NEIC X 30 04 59 57.5–.60 36.45N 70.32E 198–7 4.1b,3.3b
NNC X 30 05 00 05.4–6.1 37.17N 70.10E 195–63 4.0,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=18.6km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=7.2km s-min=4.4km az=169.2.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.2km az=58.0.
NNC Error ellipse: s-maj=57.2km s-min=36.0km az=9.0.
ISC X 31 21 24 36.4–.53 36.36N–.02 69.25E–.06 71–6 3.9b 105 2-85
IDC X 31 21 24 27.4–.73 36.16N 69.10E 0 4.1,4.0 **¶13398782**
BJI X 31 21 24 31.9 36.61N 68.76E 78 4.7b,4.3b
NNC X 31 21 24 31.6–3.5 36.67N 69.19E 0 4.4b,4.3
ISCJB X 31 21 24 34.4–.59 36.41N–.02 69.23E–.05 70–6 3.9b,4.3
NEIC X 31 21 24 35.3–1.2 36.48N 68.95E 50–14 3.9b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=13.0km az=115.0.
NNC Error ellipse: s-maj=36.5km s-min=26.4km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=4.0km az=175.5.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=11.2km az=76.0.
ISC X 31 22 55 35.1–.25 36.53N–.02 70.18E–.03 206–3 4.0b 223 2-149
NNC X 31 22 55 29.6–7.4 36.82N 70.15E 0 4.9b,4.8 **¶11380438**
BJI X 31 22 55 33.8 36.65N 70.10E 210 4.8b,4.2b
ISCJB X 31 22 55 34.1–.26 36.50N–.02 70.15E–.03 213–3 4.0b,4.2b
MOS X 31 22 55 34.7–.77 36.52N 70.21E 221 4.2b,4.2b
NEIC X 31 22 55 35.4–.50 36.57N 70.08E 213–5 4.3b,4.2b
TEH X 31 22 55 35.0 36.55N 70.06E 207 4.3b,4.2b
IDC X 31 22 55 36.1–.65 36.52N 70.25E 222–6 3.9,3.8b
ISC Event type se.
NNC Error ellipse: s-maj=68.9km s-min=54.6km az=51.0.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.0km az=12.9.
MOS Error ellipse: s-maj=10.1km s-min=5.6km az=78.9.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.1km az=107.0.
IDC Error ellipse: s-maj=10.3km s-min=8.0km az=129.0.
ISC XI 01 09 13 58.5–2.2 36.63N–.08 70.2E–.30 148–45 13 3-8
¶15673253
ISC XI 02 19 49 31.4–2.2 36.8N–.20 70.6E–.20 200 13 6-16
NNC XI 02 19 49 31.0–12 36.83N 70.60E 193–165 3.9,2.6b **¶11711587**
NNC Error ellipse: s-maj=156.3km s-min=60.1km az=40.0.
ISC XI 03 14 17 56.4–.50 36.18N–.03 70.03E–.07 137–7 67 2-85
ISCJB XI 03 14 17 55.3–.53 36.19N–.04 70.02E–.07 139–8 **¶11711594**
IDC XI 03 14 17 55.9–7.6 36.24N 69.96E 124–66 3.4,3.3b
NEIC XI 03 14 17 56.7–.75 36.17N 70.05E 140–9 4.5b,3.3b
NNC XI 03 14 18 00.9–4.9 36.62N 69.57E 114–55 4.3,3.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.5km az=163.6.
IDC Error ellipse: s-maj=56.0km s-min=41.8km az=45.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.2km az=75.0.
NNC Error ellipse: s-maj=42.7km s-min=28.1km az=37.0.
ISC XI 05 14 17 55.1–.47 36.43N–.03 70.27E–.07 87–8 3.3b 86 2-85
IDC XI 05 14 17 46.8–1.2 36.21N 70.47E 0 3.8,3.7L **¶12072413**
NNC XI 05 14 17 51.2–4.1 36.62N 69.56E 0 4.3b,4.2
ISCJB XI 05 14 17 53.7–.50 36.47N–.03 70.28E–.07 87–8 3.3b,4.2
NEIC XI 05 14 17 53.6–1.0 36.36N 70.40E 57–13 4.0b,4.2
MOS XI 05 14 17 53.6–3.0 36.20N 70.50E 33 4.0b,4.2
DMN XI 05 14 20 08.5–3.4 31.49N 81.39E 33–0 4.0b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=18.6km az=101.0.
NNC Error ellipse: s-maj=40.8km s-min=31.6km az=52.0.
ISCJB Event type ke. Error ellipse: s-maj=8.8km s-min=4.9km az=178.8.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.0km az=71.0.
MOS Error ellipse: s-maj=16.8km s-min=7.4km az=78.2.
DMN Event type ke. Error ellipse: s-maj=90.4km s-min=8.5km az=139.0.
ISC XI 05 19 46 53.9–.65 36.55N–.04 70.96E–.07 187–7 3.7b 79 3-99
IDC XI 05 19 46 49.1–4.4 36.29N 70.85E 147–39 3.7,3.6b **¶11472950**
ISCJB XI 05 19 46 53.0–.65 36.55N–.04 70.95E–.07 191–7 3.7b,3.6b
NEIC XI 05 19 46 53.6–.66 36.51N 70.95E 182–7 4.4b,3.6b
NNC XI 05 19 46 56.4–3.9 37.29N 70.41E 0 4.3,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=16.1km az=33.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.5km az=155.2.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.5km az=60.0.
NNC Error ellipse: s-maj=31.9km s-min=29.8km az=103.0.
ISC XI 07 16 54 13.0–.29 36.53N–.02 70.90E–.04 210–3 4.2b 226 2-150
BJI XI 07 16 54 10.0 36.59N 70.59E 201 4.4b **¶13399525**
ISCJB XI 07 16 54 12.0–.30 36.52N–.02 70.90E–.04 216–3 4.2b
MOS XI 07 16 54 12.5–.83 36.53N 70.92E 221 4.3b
IDC XI 07 16 54 14.4–.55 36.55N 70.89E 227–5 4.0,3.9b
NEIC XI 07 16 54 14.0–.29 36.56N 70.94E 226 4.9b,3.9b
NNC XI 07 16 54 16.1–6.0 36.91N 70.53E 194–54 4.6,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.1km s-min=3.0km az=163.3.
MOS Error ellipse: s-maj=10.6km s-min=5.6km az=87.7.
IDC Error ellipse: s-maj=9.1km s-min=8.2km az=75.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=57.0.
NNC Error ellipse: s-maj=53.0km s-min=28.5km az=12.0.
ISC XI 07 18 00 45.3–.43 36.49N–.03 70.94E–.06 101–5 3.8b 89 2-84
IDC XI 07 18 00 41.5–2.9 36.21N 71.08E 70–24 3.7,3.6b **¶13399529**
ISCJB XI 07 18 00 44.0–.46 36.52N–.03 70.96E–.06 103–6 3.8b,3.6b
NEIC XI 07 18 00 45.1–.95 36.46N 70.99E 99–9 4.0b,3.6b
NNC XI 07 18 00 48.2–2.5 36.69N 70.92E 132–27 4.4,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=15.2km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=8.1km s-min=4.5km az=15.3.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.8km az=112.0.
NNC Error ellipse: s-maj=20.0km s-min=15.8km az=11.0.
ISC XI 08 18 26 12.5–.39 36.50N–.03 70.21E–.06 211–5 3.4b 114 2-85
IDC XI 08 18 26 09.0–4.3 36.28N 70.19E 186–40 3.6,3.5 **¶11711684**
ISCJB XI 08 18 26 11.4–.40 36.50N–.03 70.19E–.06 220–5 3.4b,3.5
MOS XI 08 18 26 11.6–1.1 36.49N 70.21E 222 3.9b,3.5
NEIC XI 08 18 26 12.3–.70 36.48N 70.20E 212–8 4.9b,3.5
NNC XI 08 18 26 17.1–5.9 36.91N 70.21E 210–54 4.5,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=14.8km az=32.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.5km az=167.4.
MOS Error ellipse: s-maj=13.5km s-min=7.8km az=82.8.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=5.9km az=61.0.
NNC Error ellipse: s-maj=53.3km s-min=30.1km az=14.0.
ISC XI 09 03 22 03.3–.68 36.66N–.06 70.8E–.10 81–10 3.8b 56 3-66
IDC XI 09 03 21 59.1–6.1 36.22N 71.27E 88–54 3.7L,3.6 **¶11711690**
ISCJB XI 09 03 22 00.7–.48 36.55N–.04 70.99E–.08 95–10 3.8b,3.6
NEIC XI 09 03 22 01.6–1.1 36.43N 71.06E 97–11 3.7b,3.6
NNC XI 09 03 22 07.5–2.5 37.36N 70.62E 0 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=57.4km s-min=39.7km az=130.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=5.0km az=20.2.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=9.7km az=128.0.
NNC Error ellipse: s-maj=19.9km s-min=18.8km az=83.0.
ISC XI 09 16 11 16.0–.40 36.49N–.03 70.76E–.06 198–5 3.5b 101 2-84
ISCJB XI 09 16 11 15.3–.39 36.48N–.03 70.79E–.06 203–5 3.5b **¶11472984**
NNC XI 09 16 11 15.6–4.4 37.05N 70.26E 0 4.2b,4.1
IDC XI 09 16 11 15.6–3.7 36.43N 70.79E 194–35 3.5,3.4b
NEIC XI 09 16 11 16.0–.61 36.46N 70.74E 197–7 4.4b,3.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=3.9km az=164.0.
NNC Error ellipse: s-maj=39.3km s-min=33.9km az=85.0.
IDC Error ellipse: s-maj=28.5km s-min=12.8km az=40.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.0km az=60.0.
ISC XI 09 22 10 44.1–.42 36.00N–.04 69.87E–.06 158–7 4.1b 53 2-38
ISCJB XI 09 22 10 43.1–.43 36.01N–.04 69.87E–.06 163–7 4.1b **¶11750350**
NEIC XI 09 22 10 43.9–.75 36.02N 69.88E 166–11 4.0b
NNC XI 09 22 10 49.5–2.2 37.01N 69.34E 0 3.7b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.4km az=151.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.0km az=51.0.
NNC Error ellipse: s-maj=27.9km s-min=15.6km az=106.0.
ISC XI 11 06 02 46.3–.62 36.52N–.05 70.3E–.10 230–7 3.2b 38 3-133
NNC XI 11 06 02 40.5–8.8 36.60N 69.64E 0 3.9b,3.8 **¶11750421**
NEIC XI 11 06 02 41.8–2.2 36.18N 70.12E 206–17 4.0b,3.8
IDC XI 11 06 02 42.2–4.0 36.29N 70.03E 210–36 3.2,3.1
ISCJB XI 11 06 02 44.9–.60 36.51N–.04 70.2E–.10 237–7 3.3b,3.1
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XI 16 04 44 27.3–.66 36.35N–.06 70.4E–.10 78–10 3.8b 57 2-82
IDC XI 16 04 44 12.8–1.3 35.65N 70.43E 0 4.0,3.9b **¶11750687**
ISCJB XI 16 04 44 26.3–.66 36.47N–.05 70.25E–.09 77–12 3.8b,3.9b
NEIC XI 16 04 44 26.2–1.1 36.14N 70.55E 98–12 3.9b,3.9b

NNC XI 16 04 44 32.3–5.1 36.77N 70.26E 79–68 4.1,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=24.1km az=126.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=6.4km az=30.1.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=10.6km az=130.0.
NNC Error ellipse: s-maj=37.4km s-min=27.0km az=21.0.
ISC XI 16 07 16 20.9–2.8 36.7N–.10 70.3E–.40 239–20 3.3b 22 6-85
IDC XI 16 07 15 42.4–6.5 35.87N 67.18E 0 3.8,3.7L ¶12073712
ISCJB XI 16 07 16 20.2–2.8 36.7N–.10 70.4E–.40 243–19 3.2b,3.7L
NNC XI 16 07 16 31.3–5.9 37.78N 70.80E 0 3.9b,3.6
IDC Error ellipse: s-maj=197.5km s-min=33.1km az=101.0.
ISCJB Error ellipse: s-maj=50.0km s-min=11.6km az=159.1.
NNC Error ellipse: s-maj=47.0km s-min=44.7km az=14.0.
ISC XI 16 10 08 37.6–.94 36.67N–.04 69.8E–.10 10 16 3-16
ISCJB XI 16 10 08 35.8–.91 36.72N–.04 69.8E–.10 10 ¶11711817
NNC XI 16 10 08 44.5–5.5 37.29N 69.93E 0 3.8b,3.7
ISCJB Error ellipse: s-maj=15.4km s-min=5.6km az=170.9.
NNC Error ellipse: s-maj=46.9km s-min=42.1km az=117.0.
ISC XI 16 15 00 59.6–.41 36.70N–.03 70.88E–.06 196–6 3.5b 63 3-84
IDC XI 16 15 00 48.4–7.0 36.13N 70.88E 112–64 3.6b,3.6 ¶11750721
ISCJB XI 16 15 00 58.7–.41 36.69N–.03 70.88E–.06 206–6 3.5b,3.6
NEIC XI 16 15 00 58.9–.66 36.58N 71.09E 201–7 4.1b,3.6
NNC XI 16 15 01 04.0–3.1 37.04N 70.92E 204–28 4.0,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=19.7km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=5.0km az=167.2.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.6km az=97.0.
NNC Error ellipse: s-maj=27.3km s-min=15.7km az=18.0.
NNC XI 19 02 42 25.7–3.7 36.87N 70.72E 0 3.8b,3.6
¶11750828
NNC Error ellipse: s-maj=30.5km s-min=24.1km az=167.0.
ISC XI 21 11 04 07.3–1.1 35.80N–.08 68.7E–.20 10 13 7-15
ISCJB XI 21 11 04 04.8–1.1 35.76N–.08 68.9E–.20 10 ¶11750985
NNC XI 21 11 04 27.8–14 37.42N 69.13E 11–61 3.8b,3.6
ISCJB Error ellipse: s-maj=22.7km s-min=11.1km az=9.7.
NNC Error ellipse: s-maj=103.1km s-min=60.3km az=8.0.
ISC XI 22 01 26 44.6–2.0 36.6N–.10 70.4E–.60 35 7 3-7
¶15673380
ISC XI 23 01 22 41.5–.39 36.58N–.03 70.92E–.06 197–5 3.5b 54 3-84
IDC XI 23 01 22 35.3–7.3 36.23N 70.86E 152–66 3.4,3.3b ¶11528415
ISCJB XI 23 01 22 40.5–.40 36.58N–.03 70.90E–.06 204–6 3.5b,3.3b
NEIC XI 23 01 22 41.2–.70 36.49N 71.01E 204–7 3.6b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=21.5km az=25.0.
ISCJB Event type se. Error ellipse: s-maj=8.5km s-min=4.8km az=0.2.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.0km az=122.0.
ISC XI 24 17 29 17.8–.54 36.73N–.04 71.0E–.10 213–8 3.4b 33 3-66
IDC XI 24 17 29 14.8–13 36.63N 70.71E 193–122 3.1b,3.1 ¶11711958
ISCJB XI 24 17 29 16.9–.53 36.71N–.04 71.0E–.10 225–8 3.4b,3.1
NNC XI 24 17 29 17.6–13 37.19N 70.30E 0 3.3b,2.8
NEIC XI 24 17 29 18.0–.73 36.81N 70.71E 225–9 4.1b,2.8
ISC Event type se.
IDC Error ellipse: s-maj=111.6km s-min=30.5km az=166.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=6.7km az=9.2.
NNC Error ellipse: s-maj=99.8km s-min=88.8km az=163.0.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=9.1km az=126.0.
ISC XI 26 04 22 58.4–.43 36.13N–.03 70.09E–.05 127–6 3.7b 76 2-82
IDC XI 26 04 22 56.4–6.4 36.01N 69.94E 104–56 3.7,3.6b ¶13401141
ISCJB XI 26 04 22 57.5–.43 36.15N–.03 70.08E–.05 133–6 3.6b,3.6b
NEIC XI 26 04 22 58.7–.71 36.18N 69.95E 120–7 3.8b,3.6b
NNC XI 26 04 23 01.5–5.1 36.44N 69.71E 99–67 4.2,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=33.7km s-min=21.9km az=176.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.6km az=170.4.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.2km az=127.0.
NNC Error ellipse: s-maj=39.4km s-min=31.4km az=175.0.
ISC XI 26 06 59 25.9–.54 36.08N–.02 69.15E–.05 45–6 4.2b 167 2-85
IDC XI 26 06 59 19.9–.73 36.03N 69.04E 0 4.3,4.2L ¶13401147
MOS XI 26 06 59 23.7–1.1 36.22N 69.04E 33 4.4b,4.2L
ISCJB XI 26 06 59 24.1–.64 36.13N–.02 69.17E–.05 45–7 4.2b,4.2L
NNC XI 26 06 59 24.1–4.0 36.45N 68.72E 0 4.6,4.3b
NEIC XI 26 06 59 25.1–2.9 36.16N 69.06E 32–22 4.3b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=13.4km az=23.0.
MOS Error ellipse: s-maj=10.2km s-min=6.4km az=83.4.
ISCJB Event type se. Error ellipse: s-maj=6.2km s-min=4.0km az=170.8.
NNC Error ellipse: s-maj=37.9km s-min=26.2km az=162.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=9.0km az=216.0.
ISC XI 28 03 21 19.7–.48 36.06N–.03 69.36E–.07 129–6 3.5b 90 2-64
ISCJB XI 28 03 21 18.6–.49 36.07N–.03 69.37E–.07 132–7 3.5b ¶11730153
MOS XI 28 03 21 18.9–.96 36.14N 69.24E 116 4.1b
NEIC XI 28 03 21 19.6–.90 36.09N 69.19E 115–12 3.8b
NNC XI 28 03 21 24.6–5.4 36.60N 69.00E 107–68 4.1,3.4b
IDC XI 28 03 21 29.6–14 36.29N 69.16E 218–138 3.3b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=4.4km az=171.3.
MOS Error ellipse: s-maj=26.5km s-min=8.1km az=80.5.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=11.2km az=114.0.
NNC Error ellipse: s-maj=40.1km s-min=27.7km az=18.0.
IDC Error ellipse: s-maj=89.8km s-min=26.1km az=174.0.
ISC XI 29 11 43 42.3–.16 36.01N–.02 69.29E–.02 10 4.7b,3.7s 329 1-148
IDC XI 29 11 43 39.7–.55 35.90N 69.27E 0 4.6,4.5 ¶13401472
BJI XI 29 11 43 40.6 36.24N 68.93E 19 5.0b,4.8L
ISCJB XI 29 11 43 40.5–.16 36.04N–.02 69.30E–.02 10 4.7b,3.7s
NEIC XI 29 11 43 41.8–.34 35.98N 69.26E 10 4.9b,3.7s
NNC XI 29 11 43 41.4–3.2 36.20N 68.91E 0 5.0,4.9b
MOS XI 29 11 43 43.7–1.2 36.07N 69.33E 33 5.0b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=11.5km az=12.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.4km az=35.1.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.6km az=149.0.
NNC Error ellipse: s-maj=28.5km s-min=21.8km az=174.0.
MOS Error ellipse: s-maj=6.7km s-min=4.5km az=102.6.
ISC XI 30 01 05 36.4–3.0 36.04N–.05 68.8E–.10 19–20 3.4b 19 2-64
IDC XI 30 01 05 22.1–9.5 34.06N 71.11E 0 3.8L,3.7b ¶12075298
ISCJB XI 30 01 05 35.6–3.0 36.10N–.05 68.9E–.10 29–26 3.4b,3.7b
NEIC XI 30 01 05 35.3–6.7 36.03N 68.83E 12–49 3.4b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=296.3km s-min=28.1km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=18.3km s-min=6.8km az=12.1.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=10.6km az=99.0.
ISC XI 30 10 06 04.5–.41 36.45N–.03 70.91E–.07 173–6 53 2-44
ISCJB XI 30 10 06 03.5–.41 36.46N–.03 70.90E–.07 179–7 ¶11482976
NEIC XI 30 10 06 04.7–.92 36.48N 70.74E 178–16 3.8b
BJI XI 30 10 06 04.8 36.99N 70.57E 171 4.2b
NNC XI 30 10 06 09.6–3.7 36.89N 70.82E 170–38 3.9,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=4.5km az=171.7.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=12.2km az=128.0.
NNC Error ellipse: s-maj=32.2km s-min=19.7km az=11.0.
ISC XI 30 15 44 36.0–.85 36.64N–.06 70.2E–.20 149–34 15 3-16
ISCJB XI 30 15 44 35.1–.84 36.63N–.07 70.3E–.20 161–39 ¶11751420
NNC XI 30 15 44 40.2–4.5 36.93N 70.42E 198–61 3.9,2.6b
ISCJB Error ellipse: s-maj=26.4km s-min=10.3km az=13.5.
NNC Error ellipse: s-maj=44.2km s-min=24.9km az=15.0.
ISC XII 01 13 47 44.0–3.8 36.4N–.30 70.7E–.20 10 10 6-15
NNC XII 01 13 47 52.6–8.3 37.26N 70.36E 0 3.5b,3.3 ¶11751458
NNC Error ellipse: s-maj=68.0km s-min=57.9km az=165.0.
ISC XII 03 01 48 26.5–.66 36.66N–.06 70.2E–.10 173–10 38 2-65
IDC XII 03 01 48 20.4–15 36.12N 70.41E 161–152 3.6L,3.1b ¶11712066
ISCJB XII 03 01 48 25.5–.68 36.65N–.05 70.24E–.08 179–11 3.6L,3.1b
NEIC XII 03 01 48 25.5–.96 36.49N 70.35E 198–13 3.6b,3.1b
NNC XII 03 01 48 30.7–5.2 37.39N 69.45E 0 3.6b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=92.2km s-min=57.1km az=171.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=7.3km az=33.2.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=11.0km az=129.0.
NNC Error ellipse: s-maj=60.8km s-min=36.8km az=110.0.
ISC XII 05 18 54 58.9–.40 36.26N–.03 70.20E–.06 148–6 3.5b 78 2-85
IDC XII 05 18 54 55.1–7.2 35.99N 70.18E 116–66 3.5b,3.5 ¶11527584
ISCJB XII 05 18 54 57.8–.41 36.26N–.03 70.19E–.06 152–6 3.5b,3.5
NEIC XII 05 18 54 57.9–.71 36.22N 70.19E 140–8 4.2b,3.5
NNC XII 05 18 55 06.7–8.3 36.88N 70.39E 152–87 4.0,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=19.8km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=4.7km az=168.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.5km az=64.0.
NNC Error ellipse: s-maj=69.7km s-min=47.4km az=13.0.
ISC XII 06 04 14 55.2–2.2 36.8N–.10 69.0E–.10 10 12 6-14
NNC XII 06 04 14 58.7–2.7 37.18N 69.04E 0 3.9b,3.6 ¶11712113
NNC Error ellipse: s-maj=24.9km s-min=20.8km az=106.0.
ISC XII 09 11 51 46.2–.30 36.51N–.02 70.89E–.04 182–3 4.2b 194 2-84
NNC XII 09 11 51 37.4–7.3 36.54N 70.13E 0 4.9,4.5b ¶13402324
IDC XII 09 11 51 43.9–4.6 36.31N 70.88E 170–42 3.9,3.8b
BJI XII 09 11 51 45.3 36.55N 70.88E 186 4.6b,4.4b
MOS XII 09 11 51 45.5–.91 36.51N 70.86E 192 4.5b,4.4b
ISCJB XII 09 11 51 45.2–.31 36.50N–.02 70.87E–.04 187–3 4.2b,4.4b
NEIC XII 09 11 51 46.5–.56 36.50N 70.87E 189–6 4.4b,4.4b
ISC Event type se.
NNC Error ellipse: s-maj=70.0km s-min=62.2km az=43.0.
IDC Error ellipse: s-maj=20.1km s-min=12.7km az=15.0.
MOS Error ellipse: s-maj=10.8km s-min=5.4km az=90.7.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=3.2km az=165.2.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=4.3km az=56.0.
ISC XII 09 12 04 24.5–1.0 36.75N–.08 70.9E–.20 187–13 3.4b 24 3-66
IDC XII 09 12 04 16.4–14 36.28N 70.73E 140–131 3.6L,3.1b ¶12076537
ISCJB XII 09 12 04 23.2–.96 36.70N–.08 70.7E–.20 213–11 3.2b,3.1b
NEIC XII 09 12 04 23.7–1.1 36.64N 70.80E 205–13 4.0b,3.1b
NNC XII 09 12 04 30.1–3.2 37.11N 71.17E 213–29 3.6,2.5b
ISC Event type se.
IDC Error ellipse: s-maj=102.3km s-min=33.1km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=21.1km s-min=11.8km az=19.4.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=13.4km az=123.0.
NNC Error ellipse: s-maj=29.2km s-min=17.4km az=6.0.
ISC XII 13 05 57 37.1–.41 36.47N–.04 70.45E–.07 199–7 3.4b 55 2-65
IDC XII 13 05 57 33.1–9.7 36.08N 70.51E 186–103 3.4s,3.4 ¶12077241
NNC XII 13 05 57 34.3–7.4 36.83N 70.12E 0 4.2b,4.0
ISCJB XII 13 05 57 36.2–.42 36.46N–.04 70.42E–.07 207–7 3.4b,4.0
NEIC XII 13 05 57 37.0–.57 36.46N 70.51E 191–9 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=57.0km s-min=47.7km az=115.0.
NNC Error ellipse: s-maj=65.1km s-min=48.6km az=164.0.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=5.5km az=161.1.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=4.9km az=62.0.
ISC XII 13 12 59 27.9–.56 36.99N–.03 69.38E–.08 10 3.6b 43 2-86
IDC XII 13 12 59 23.6–1.1 36.67N 69.73E 0 3.8,3.7b ¶11712213
ISCJB XII 13 12 59 26.5–.51 37.08N–.03 69.54E–.08 10 3.6b,3.7b
NNC XII 13 12 59 31.4–4.7 37.26N 69.60E 0 4.0b,3.8
NEIC XII 13 12 59 31.5–1.1 36.96N 69.59E 68–12 3.6b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=25.6km s-min=20.1km az=103.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=4.1km az=6.7.
NNC Error ellipse: s-maj=45.8km s-min=38.8km az=125.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=10.2km az=101.0.
NNC XII 14 21 19 36.8–12 36.30N 69.12E 0 3.7b,3.2
¶12077495
NNC Error ellipse: s-maj=105.3km s-min=80.0km az=163.0.
ISC XII 17 01 18 01.6–.40 36.56N–.03 70.92E–.05 179–5 3.7b 92 3-84
IDC XII 17 01 17 59.0–6.4 36.30N 70.92E 165–58 3.6,3.5b ¶12077834
ISCJB XII 17 01 18 00.7–.40 36.56N–.03 70.89E–.05 185–6 3.7b,3.5b
NEIC XII 17 01 18 01.6–.54 36.50N 70.89E 182–6 4.1b,3.5b
NNC XII 17 01 18 08.7–3.4 37.17N 70.69E 166–33 3.9,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=18.5km az=27.0.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=4.1km az=164.6.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.2km az=61.0.
NNC Error ellipse: s-maj=28.8km s-min=17.1km az=22.0.
ISC XII 18 00 23 48.0–.52 36.49N–.04 70.2E–.10 214–9 38 2-81
IDC XII 18 00 23 39.7–15 35.93N 70.35E 157–157 3.5L,2.9b ¶11712280
ISCJB XII 18 00 23 46.9–.51 36.48N–.04 70.2E–.10 225–9 3.5L,2.9b
NEIC XII 18 00 23 47.4–.87 36.42N 70.32E 225–8 4.2b,2.9b
NNC XII 18 00 23 53.8–10 37.27N 70.09E 0 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=92.1km s-min=59.8km az=170.0.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=6.3km az=17.1.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=10.4km az=128.0.
NNC Error ellipse: s-maj=96.8km s-min=69.3km az=162.0.
NNC XII 19 17 21 39.5–2.6 36.92N 70.09E 0 3.7b,3.3
¶12078226
NNC Error ellipse: s-maj=23.8km s-min=20.0km az=94.0.
ISC XII 22 01 57 15.8–1.1 36.13N–.06 70.9E–.20 104–10 3.2b 24 2-82
IDC XII 22 01 57 01.9–1.3 35.75N 70.92E 0 4.0s,4.0 ¶12078508
ISCJB XII 22 01 57 15.2–.93 36.21N–.05 70.7E–.10 114–10 3.2b,4.0
NEIC XII 22 01 57 15.3–1.1 36.04N 70.87E 106–11 4.1b,4.0
NNC XII 22 01 57 20.5–3.9 36.90N 70.58E 0 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=41.4km s-min=34.7km az=150.0.
ISCJB Event type se. Error ellipse: s-maj=18.5km s-min=7.6km az=12.2.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=10.6km az=114.0.
NNC Error ellipse: s-maj=47.1km s-min=29.3km az=96.0.
ISC XII 23 17 41 10.9–.47 36.51N–.03 70.01E–.08 223–5 3.0b 68 2-85
ISCJB XII 23 17 41 09.8–.46 36.50N–.03 69.99E–.08 232–5 3.0b ¶11712396
IDC XII 23 17 41 09.0–7.7 36.32N 70.14E 220–72 3.0,2.9b
NEIC XII 23 17 41 10.7–.71 36.49N 70.01E 230–8 4.3b,2.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=5.0km az=172.3.
IDC Error ellipse: s-maj=43.4km s-min=28.1km az=17.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.4km az=71.0.
ISC XII 23 20 52 17.7–.29 36.41N–.02 70.73E–.04 194–3 4.1b 251 2-126
NNC XII 23 20 52 14.8–4.5 36.88N 70.67E 0 5.0,4.5b ¶13403799
ISCJB XII 23 20 52 16.7–.31 36.35N–.02 70.71E–.04 200–3 4.1b,4.5b
MOS XII 23 20 52 17.3–.84 36.39N 70.72E 210 4.6b,4.5b
NEIC XII 23 20 52 18.0–.54 36.41N 70.75E 202–6 4.9b,4.5b
BJI XII 23 20 52 18.0 36.60N 70.63E 208 4.9b,4.3b
IDC XII 23 20 52 21.9–2.5 36.42N 70.78E 239–24 3.7,3.7
ISC Event type se.
NNC Error ellipse: s-maj=34.8km s-min=26.3km az=3.0.
ISCJB Event type se. Error ellipse: s-maj=4.9km s-min=3.3km az=153.6.
MOS Error ellipse: s-maj=9.8km s-min=5.8km az=95.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.3km az=47.0.
IDC Error ellipse: s-maj=11.2km s-min=10.0km az=175.0.
ISC XII 24 10 45 46.2–2.4 36.47N–.09 69.1E–.10 12–18 3.5b 36 7-81
IDC XII 24 10 45 41.6–2.3 36.06N 69.50E 0 4.1s,4.1 ¶13403843
ISCJB XII 24 10 45 45.5–2.5 36.52N–.09 69.2E–.10 20–20 3.5b,4.1
NEIC XII 24 10 45 45.2–1.5 36.41N 69.19E 10 3.4b,4.1
NNC XII 24 10 45 50.8–6.1 36.56N 69.13E 89–107 3.9,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=49.1km s-min=25.5km az=138.0.
ISCJB Event type se. Error ellipse: s-maj=18.1km s-min=9.1km az=135.6.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=12.4km az=155.0.
NNC Error ellipse: s-maj=52.9km s-min=45.1km az=135.0.
ISC XII 26 22 12 58.5–.46 36.58N–.04 70.21E–.09 179–8 3.4b 56 2-83

IDC XII 26 22 12 56.7–7.3 36.25N 70.33E 189–66 3.2b,3.2 **¶12079107**
ISCJB XII 26 22 12 57.8–.46 36.56N–.04 70.32E–.09 197–8 3.2b,3.2
NEIC XII 26 22 12 58.3–.94 36.45N 70.37E 198–9 3.2b,3.2
NNC XII 26 22 13 04.3–7.0 37.00N 70.08E 191–62 3.9,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=25.0km az=18.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.0km az=171.9.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=11.1km az=122.0.
NNC Error ellipse: s-maj=59.3km s-min=31.5km az=18.0.
ISC XII 27 20 10 40.8–.49 36.36N–.03 69.67E–.08 144–7 3.6b 48 2-85
IDC XII 27 20 10 22.3–3.7 35.57N 69.30E 0 3.7L,3.7 **¶11712431**
ISCJB XII 27 20 10 39.8–.50 36.38N–.04 69.64E–.08 146–7 3.6b,3.7
NEIC XII 27 20 10 40.8–.93 36.33N 69.78E 151–10 4.2b,3.7
NNC XII 27 20 10 44.8–1.1 37.16N 69.37E 0 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=111.1km s-min=25.7km az=91.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=5.7km az=7.4.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.7km az=110.0.
NNC Error ellipse: s-maj=10.1km s-min=8.4km az=103.0.
ISC XII 28 00 19 33.8–.90 36.58N–.06 70.9E–.10 101–9 3.6b 55 3-82
IDC XII 28 00 19 26.4–6.3 36.07N 71.14E 53–54 3.6,3.5L **¶12079225**
NEIC XII 28 00 19 32.2–1.2 36.39N 71.15E 98–11 3.8b,3.5L
ISCJB XII 28 00 19 34.6–.74 36.74N–.05 70.91E–.08 107–9 3.6b,3.5L
NNC XII 28 00 19 35.8–4.3 36.78N 70.70E 76–66 4.2,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=25.6km az=23.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=11.8km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=12.0km s-min=6.9km az=29.1.
NNC Error ellipse: s-maj=31.2km s-min=23.7km az=4.0.
NNC XII 29 01 45 52.9–8.5 36.69N 70.66E 0 3.7b,3.5 ¶12079330
NNC Error ellipse: s-maj=80.3km s-min=67.8km az=35.0.
NNC XII 29 05 27 42.6–15 36.96N 70.79E 0 3.8b,3.6 ¶12079360
NNC Error ellipse: s-maj=132.5km s-min=98.0km az=169.0.
ISC XII 29 15 44 16.9–.85 36.11N–.04 70.1E–.10 10 16 3-17
ISCJB XII 29 15 44 15.2–.83 36.15N–.04 70.2E–.10 10 **¶12079411**
NNC XII 29 15 44 20.4–9.7 36.50N 70.08E 0 3.9b,3.8
ISCJB Error ellipse: s-maj=15.7km s-min=5.4km az=169.7.
NNC Error ellipse: s-maj=86.1km s-min=61.1km az=157.0.
ISC XII 31 20 48 37.5–.44 36.42N–.03 70.76E–.07 205–5 3.4b 87 2-84
IDC XII 31 20 48 35.7–4.9 36.25N 70.83E 197–44 3.4,3.3b **¶11712464**
ISCJB XII 31 20 48 36.6–.45 36.43N–.03 70.77E–.07 211–5 3.4b,3.3b
NEIC XII 31 20 48 37.4–.62 36.42N 70.77E 204–7 4.5b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=16.2km az=16.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=4.9km az=163.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.1km az=59.0.

(719) Tajikistan-Xinjiang border region.

ISC VII 03 17 04 16.6–2.5 38.4N–.10 73.2E–.10 35 8 2-14
NNC VII 03 17 04 26.0–3.8 39.24N 72.90E 0 3.7b,3.2 **¶11325528**
NNC Error ellipse: s-maj=31.4km s-min=18.6km az=1.0.
ISC VII 08 16 08 33.7–.63 39.51N–.02 73.14E–.02 33–4 5.1b,4.7s 996 2-152
BGS VII 08 16 08 08.2–2.0 37.07N 76.22E 40–0 5.1s,4.9b **¶13388502**
LDG VII 08 16 08 26.8–.14 39.37N 73.18E 10–0 5.3b,4.4s
ISCJB VII 08 16 08 29.8–.66 39.46N–.02 73.11E–.02 18–4 5.1b,4.7s
MOS VII 08 16 08 30.5–1.1 39.47N 73.13E 25 5.4b,4.7s
IDC VII 08 16 08 31.6–2.6 39.50N 73.16E 20–16 4.9,4.9b
BJI VII 08 16 08 31.7 39.58N 73.27E 33 5.1b,5.0b
GCMT VII 08 16 08 31.3–.20 39.47N 72.89E 12 5.0W,5.0b
NNC VII 08 16 08 31.4–3.1 39.62N 72.93E 14–15 5.6b,5.5
SZGRF VII 08 16 08 31.8 39.49N 73.36E 33 5.1b,4.6s
NEIC VII 08 16 08 35.3–.57 39.52N 73.18E 49–5 5.2b,4.7s
DJA VII 08 16 08 38 39.42N 72.98E 54 5.4b,4.7s
ISC Event type ke.
BGS Error ellipse: s-maj=990.3km s-min=999.9km az=-1.0.
LDG Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=3.2km s-min=2.3km az=25.9.
MOS Error ellipse: s-maj=5.3km s-min=3.2km az=131.4.
IDC Error ellipse: s-maj=8.3km s-min=7.3km az=140.0.
GCMT Event type se. Data Used: II IU IC G CN. Moment Tensor Solution. s32,c40; s86,c152; Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.08 $M_{\theta\theta}$-2.53±.08; $M_{\phi\phi}$-0.90±.07; $M_{r\theta}$1.82±.30; $M_{\theta\phi}$-2.00±.06; $M_{\phi r}$-0.52±.28; Best double couple: NP1:ϕ_s216.00000°,δ39.00000°,λ57.00000°. NP2:ϕ_s76.00000°,δ58.00000°,λ114.00000°. Principal axes: T 4.1700,Plg67.0000° ,Azm35.0000°; N -0.0900,Plg20.0000°,Azm243.0000°; P -4.0900,Plg10.0000° ,Azm149.0000° M_o4.10000×10^{16}
NNC Error ellipse: s-maj=29.4km s-min=13.6km az=21.0.
SZGRF Tajikistan-Xinjiang border region.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.8km az=178.0.
ISC VII 13 02 08 39.6–2.1 38.9N–.20 74.02E–.10 200–12 3.4b 39 2-40
IDC VII 13 02 08 36.6–7.3 38.77N 74.08E 171–47 3.1b,3.1 **¶11344717**
NNC VII 13 02 08 36.7–3.2 38.72N 73.80E 208–40 4.0,2.8b
NEIC VII 13 02 08 38.0–3.2 38.83N 74.03E 187–14 3.8b,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=70.2km s-min=27.6km az=12.0.
NNC Error ellipse: s-maj=35.8km s-min=15.3km az=2.0.
NEIC Event type se. Error ellipse: s-maj=40.2km s-min=11.7km az=183.0.
ISC VII 19 22 28 50.8–1.8 39.15N–.06 73.29E–.09 0–16 20 2-14
NEIC VII 19 22 28 51.2–1.9 39.15N 73.46E 10 **¶11358864**
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=38.1km s-min=10.0km az=114.0.
ISC VIII 04 16 37 42.1–3.3 39.3N–.10 73.6E–.10 29–23 3.8b 28 2-84
BJI VIII 04 16 37 38.7 39.84N 73.80E 17 3.2L **¶11652797**
IDC VIII 04 16 37 38.9–1.4 39.47N 74.02E 0 3.8b,3.8
NEIC VIII 04 16 37 43.4–1.2 39.39N 73.78E 35 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=16.3km az=103.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=16.5km az=59.0.
ISC VIII 05 05 13 18.2–2.7 38.7N–.20 73.3E–.20 10 12 2-14
NNC VIII 05 05 13 19.3–7.7 39.03N 73.04E 0 3.5b,3.0 **¶11391561**
NNC Error ellipse: s-maj=62.7km s-min=39.1km az=176.0.
ISC VIII 17 15 37 29.1–2.2 37.7N–.20 75.6E–.20 35 3.6b 13 5-54
IDC VIII 17 15 37 27.2–4.6 38.11N 75.54E 0 3.9s,3.9 **¶11452638**
NEIC VIII 17 15 37 30.8–2.9 37.82N 75.75E 35 3.9s,3.9
ISC Event type se.
IDC Error ellipse: s-maj=82.1km s-min=40.2km az=175.0.
NEIC Event type se. Error ellipse: s-maj=38.3km s-min=20.6km az=200.0.
ISC VIII 28 13 46 20.5–.54 38.33N–.04 73.49E–.09 141–7 3.5b 36 2-84
IDC VIII 28 13 46 18.9–4.6 38.16N 73.67E 129–39 3.5b,3.4 **¶11477914**
ISCJB VIII 28 13 46 19.4–.56 38.34N–.04 73.48E–.09 145–8 3.5b,3.4
NEIC VIII 28 13 46 19.5–.87 38.23N 73.66E 132–8 3.4b,3.4
BJI VIII 28 13 46 25.2 38.42N 74.44E 131 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=36.5km s-min=18.0km az=24.0.
ISCJB Event type se. Error ellipse: s-maj=11.9km s-min=6.8km az=9.6.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.9km az=128.0.
ISC VIII 29 13 07 22.7–.39 38.25N–.03 73.57E–.06 139–7 3.7b 73 2-44
BJI VIII 29 13 07 19.7 38.46N 73.11E 135 3.7b **¶11223883**
ISCJB VIII 29 13 07 21.7–.40 38.27N–.03 73.55E–.06 144–7 3.7b
NEIC VIII 29 13 07 24.1–1.1 38.40N 73.30E 135–10 3.9b
IDC VIII 29 13 07 24.1–7.4 38.36N 73.39E 130–51 3.6,3.5b
NNC VIII 29 13 07 30.0–2.3 39.19N 73.03E 0 3.9b,3.7
ISC Event type se.
ISCJB Error ellipse: s-maj=7.3km s-min=4.6km az=172.3.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=9.6km az=137.0.
IDC Error ellipse: s-maj=62.8km s-min=48.6km az=3.0.
NNC Error ellipse: s-maj=18.9km s-min=10.8km az=2.0.
ISC VIII 31 21 11 34.8–.30 38.27N–.02 73.47E–.04 104–3 4.2b 220 2-81
ISCJB VIII 31 21 11 33.6–.35 38.26N–.02 73.49E–.04 111–4 4.2b **¶13393082**
MOS VIII 31 21 11 36.2–.87 38.43N 73.45E 127 4.1b
NEIC VIII 31 21 11 37.4–.60 38.43N 73.48E 123–5 4.3b
IDC VIII 31 21 11 37.0–3.5 38.35N 73.54E 120–28 4.1s,4.1
NNC VIII 31 21 11 40.9–8.5 39.17N 73.63E 0 4.4b,4.3
TEH VIII 31 21 12 37.5 38.13N 67.43E 18 4.4b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.0km s-min=3.2km az=164.2.
MOS Error ellipse: s-maj=8.5km s-min=4.9km az=114.8.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.2km az=179.0.
IDC Error ellipse: s-maj=27.2km s-min=15.9km az=176.0.
NNC Error ellipse: s-maj=74.5km s-min=44.1km az=168.0.
ISC IX 02 16 52 45.6–.52 38.27N–.04 73.88E–.07 157–7 3.5b 48 2-79
BJI IX 02 16 52 43.1 38.15N 74.09E 159 4.4b,4.0b **¶11255519**
ISCJB IX 02 16 52 44.4–.53 38.25N–.04 73.99E–.08 160–7 3.5b,4.0b
NEIC IX 02 16 52 44.0–.96 38.13N 74.14E 156–7 4.5b,4.0b
IDC IX 02 16 52 46.7–7.2 38.31N 74.14E 172–44 3.4,3.3b
NNC IX 02 16 52 49.0–1.4 38.82N 73.45E 0 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=6.2km az=7.2.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.0km az=134.0.
IDC Error ellipse: s-maj=67.4km s-min=25.3km az=11.0.
NNC Error ellipse: s-maj=11.3km s-min=7.5km az=178.0.
ISC IX 09 01 33 03.8–.19 38.08N–.02 74.20E–.04 176 4.0b 199 2-83
NNC IX 09 01 32 59.7–6.7 38.26N 73.82E 0 5.3,5.0b **¶13393840**
MOS IX 09 01 33 00.9–1.4 38.05N 74.24E 155 4.0b,5.0b
NEIC IX 09 01 33 02.2–.77 38.02N 74.27E 155–7 4.4b,5.0b
ISCJB IX 09 01 33 02.6–.18 38.06N–.02 74.18E–.03 174 4.0b,5.0b
BJI IX 09 01 33 03.8 38.22N 74.18E 172 4.7b,4.5b
IDC IX 09 01 33 04.6–.64 38.05N 74.22E 180–5 3.9,3.8
ISC Event type se.
NNC Error ellipse: s-maj=56.3km s-min=37.0km az=164.0.
MOS Error ellipse: s-maj=10.6km s-min=5.3km az=98.3.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.4km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.4km az=172.5.
IDC Error ellipse: s-maj=12.5km s-min=9.7km az=16.0.
ISC IX 13 09 28 24.3–2.2 39.08N–.09 73.58E–.08 19–19 3.5b 39 2-72
IDC IX 13 09 28 24.9–2.4 39.57N 73.27E 0 4.2s,4.2 **¶11783567**
NNC IX 13 09 28 26.5–13 39.47N 73.45E 0 3.8b,3.7
NEIC IX 13 09 28 33.2–7.9 39.72N 73.56E 60–36 3.8b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=42.7km s-min=20.1km az=141.0.
NNC Error ellipse: s-maj=110.2km s-min=59.0km az=171.0.
NEIC Event type se. Error ellipse: s-maj=94.7km s-min=18.4km az=179.0.
ISC IX 13 22 07 47.1–.61 37.78N–.04 75.69E–.07 115–8 3.5b 37 2-82
IDC IX 13 22 07 44.6–4.7 37.60N 75.82E 101–40 3.4,3.3b **¶13394300**
ISCJB IX 13 22 07 45.9–.65 37.78N–.04 75.67E–.07 119–8 3.5b,3.3b
BJI IX 13 22 07 45.9 37.84N 75.92E 130 4.1b,3.3b
NEIC IX 13 22 07 46.1–1.4 37.69N 75.89E 113–9 4.2b,3.3b
NNC IX 13 22 07 48.6–8.5 38.60N 75.74E 0 3.6b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=18.7km az=26.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=18.8.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=9.8km az=143.0.
NNC Error ellipse: s-maj=99.7km s-min=35.3km az=12.0.
ISC IX 15 07 41 43.9–2.6 39.20N–.07 73.53E–.10 0–19 3.6b 33 2-68
BJI IX 15 07 41 39.3 39.66N 73.37E 10 3.4L **¶11783630**
IDC IX 15 07 41 41.5–2.1 39.20N 74.01E 0 3.6b,3.5
ISCJB IX 15 07 41 43.3–2.6 39.14N–.07 73.51E–.10 15–22 3.5b,3.5
NEIC IX 15 07 41 43.7–1.9 39.12N 73.77E 10 3.5b,3.5
NNC IX 15 07 41 50.5–2.9 39.76N 73.58E 10–10 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=17.9km az=135.0.
ISCJB Event type se. Error ellipse: s-maj=13.0km s-min=11.3km az=5.4.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=14.0km az=144.0.
NNC Error ellipse: s-maj=21.9km s-min=14.6km az=2.0.
ISC IX 20 02 54 37.1–.11 38.25N–.02 73.41E–.02 147 5.3b 1040 2-152
MOS IX 20 02 54 34.9–.95 38.36N 73.46E 138 5.4b,4.0s **¶13394754**
DJA IX 20 02 54 35 38.16N 73.64E 132 5.0b,4.0s
BJI IX 20 02 54 35.5 38.49N 73.51E 130 4.8b,4.7b
ISCJB IX 20 02 54 35.4–.10 38.23N–.02 73.37E–.02 145 5.3b,4.7b
NEIC IX 20 02 54 37.0–.14 38.31N 73.46E 146 5.4b,4.7b
IDC IX 20 02 54 36.4–.48 38.20N 73.48E 144–4 4.9,4.9
BGS IX 20 02 54 38.3–1.4 38.30N 73.14E 150–0 5.4b,4.9
GCMT IX 20 02 54 38.6–.20 38.30N 73.23E 146–1 5.3W,4.9
SZGRF IX 20 02 54 39.7 37.29N 73.11E 180 5.8b,4.9
NNC IX 20 02 54 44.5–2.9 39.12N 73.43E 205–26 5.7,4.5b
ISC Event type se.
MOS Error ellipse: s-maj=5.4km s-min=3.0km az=124.1.
ISCJB Event type se. Error ellipse: s-maj=2.5km s-min=2.0km az=17.7.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.4km az=178.0.
IDC Error ellipse: s-maj=9.6km s-min=7.9km az=9.0.
BGS Error ellipse: s-maj=315.7km s-min=445.4km az=-1.0.
GCMT Event type se. Data Used: IU II IC G CN. Moment Tensor Solution. s57,c82; s88,c180; Moment tensor: Scale 10^{16}Nm; M_{rr}-3.17±.16 $M_{\theta\theta}$2.85±.18; $M_{\phi\phi}$0.32±.17; $M_{r\theta}$-5.35±.13; $M_{\theta\phi}$-6.90±.15; $M_{\phi r}$-3.37±.13; Best double couple: NP1:ϕ_s347.00000°,δ54.00000°,λ-23.00000°. NP2:ϕ_s91.00000°,δ72.00000°,λ-141.00000°. Principal axes: T 9.0000,Plg11.0000° ,Azm215.0000°; N 1.5000,Plg48.0000°,Azm112.0000°; P -10.5000,Plg40.0000° ,Azm315.0000° M_o9.70000×10^{16}
SZGRF Tajikistan.
NNC Error ellipse: s-maj=30.6km s-min=12.3km az=3.0.
ISC IX 30 17 57 03.3–2.6 38.2N–.50 73.2E–.80 249–30 14 5-16
NNC IX 30 17 57 04.4–2.7 38.13N 71.01E 0 4.1,3.8b **¶11366332**
NNC Error ellipse: s-maj=27.1km s-min=19.9km az=92.0.
ISC X 05 15 52 50.1–.07 39.56N–.01 73.79E–.01 29 6.9s,6.2b 2076 2-167
LDG X 05 15 52 43.3–.13 39.34N 73.87E 10–0 6.8s,6.4b **¶13396075**
IDC X 05 15 52 45.0–.31 39.49N 73.88E 0 7.0,7.0s
KNET X 05 15 52 44.0–2.2 39.43N 73.69E 0–0 6.7L,7.0s
BJI X 05 15 52 47.4 39.58N 73.67E 27 7.0s,6.7
ISCJB X 05 15 52 48.1–.07 39.55N–.01 73.76E–.01 27 6.9s,6.2b
NNC X 05 15 52 48.7–3.8 39.60N 73.50E 7–18 6.8b,6.7
SZGRF X 05 15 52 48.6 39.64N 74.24E 22 7.4s,6.4b
NEIC X 05 15 52 49.4–.09 39.53N 73.82E 27 6.9s,6.6W
MOS X 05 15 52 50.2–.88 39.52N 73.83E 52 6.9s,6.5b
DJA X 05 15 52 51 39.62N 73.96E 19 7.0W,6.5b
BGS X 05 15 52 58.1–1.4 40.09N 72.47E 33–0 7.3s,6.1b
GCMT X 05 15 53 01.1–.10 39.50N 73.64E 12 6.7W,6.1b
ISC Event type de.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=4.9km az=24.0.
IDC Error ellipse: s-maj=7.4km s-min=7.3km az=149.0.
KNET Error ellipse: s-maj=24.5km s-min=12.2km az=35.0.
ISCJB Event type de. Error ellipse: s-maj=1.9km s-min=1.4km az=20.3.
NNC Error ellipse: s-maj=21.3km s-min=13.2km az=8.0.
SZGRF Southern Xinjiang, China.
NEIC Event type de. Error ellipse: s-maj=2.7km s-min=1.8km az=181.0. At least 74 people killed, 140 injured and dozens of buildings destroyed at Nura. Felt [II] at Bishkek. Also felt at Osh. Some buildings damaged in Wuqia Xian, China. Felt at Kashi. Felt [IV] at Dushanbe, Tajikistan. Also felt at Gharm and Khorugh. Felt [IV] at Taraz and [III] at Almaty, Kazakhstan. Also felt at Shymkent. Felt at Islamabad, Pakistan and Tashkent, Uzbekistan. Complex earthquake observed on broadband displacement seismograms. Energy computed from CMT mechanism.
MOS Event type fe. Error ellipse: s-maj=4.9km s-min=2.8km az=131.9. Felt (IV) at Dushanbe; (III-IV) at Taraz; (II-III) at Alma-Ata; (II) at Bishkek. Moment Tensor Solution. M_o1.10000×10^{19}
BGS Error ellipse: s-maj=250.5km s-min=369.5km az=-1.0.
GCMT Event type se. Data Used: II IU CN IC G. LP body wave period 50 sec. Mantle waves from 109 sta. Surface waves: sta=120, comp=302, per= 50. Moment Tensor Solution. s110,c252; s99,c217; Moment tensor: Scale 10^{19}Nm; M_{rr}1.27±.01 $M_{\theta\theta}$-1.30±.01; $M_{\phi\phi}$0.03±.01; $M_{r\theta}$0.38±.02; $M_{\theta\phi}$-0.41±.01; $M_{\phi r}$-0.06±.03; Best double couple: NP1:ϕ_s246.00000°,δ38.00000° ,λ78.00000°. NP2:ϕ_s82.00000°,δ53.00000°,λ99.00000°. Principal axes: T 1.3400,Plg79.0000°,Azm31.0000°; N 0.1300,Plg8.0000°,Azm256.0000° ; P -1.4600,Plg7.0000°,Azm165.0000° M_o1.40000×10^{19}
ISC X 05 15 55 24.9–.27 39.54N–.05 73.69E–.06 35 5.6b 150 3-153

IDC X 05 15 55 19.0–.45 39.49N 73.75E 0 5.6,5.6 ¶12066017
ISCJB X 05 15 55 22.8–.27 39.51N–.06 73.69E–.06 33 5.6b,5.6
MOS X 05 15 55 22.3–.88 39.57N 73.75E 32 6.1b,5.6
NEIC X 05 15 55 24.3–.29 39.36N 73.66E 35 5.9b,5.6
ISC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=10.8km az=23.0.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.3km az=29.1.
MOS Error ellipse: s-maj=11.7km s-min=8.1km az=102.6.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.5km az=30.0.
ISC X 05 16 00 38.0–.52 39.46N–.07 73.8E–.10 35 4.7b 54 3-145
IDC X 05 16 00 32.4–.65 39.52N 73.87E 0 4.9,4.8 ¶13396077
ISCJB X 05 16 00 35.9–.52 39.42N–.07 73.71E–.10 33 4.7b,4.8
NEIC X 05 16 00 37.9–.43 39.45N 73.78E 35 4.7b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=13.4km az=112.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=8.8km az=35.4.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.8km az=120.0.
ISC X 05 16 04 22.5–3.9 39.2N–.30 73.7E–.20 46–35 4.3b 21 3-84
IDC X 05 16 04 15.8–1.1 39.20N 73.75E 0 4.5,4.4 ¶12066018
ISCJB X 05 16 04 20.2–4.0 39.2N–.20 73.6E–.20 41–35 4.3b,4.4
NEIC X 05 16 04 21.2–.83 39.16N 73.64E 35 4.3b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=52.1km s-min=23.7km az=41.0.
ISCJB Event type se. Error ellipse: s-maj=46.1km s-min=20.9km az=29.7.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=14.0km az=109.0.
NEIC X 05 16 04 45.9–.71 39.38N 73.62E 35
IDC X 05 16 04 40.5–1.2 39.51N 73.83E 0 4.6,4.4b ¶12066019
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=15.3km az=215.0.
IDC Error ellipse: s-maj=54.3km s-min=24.8km az=39.0.
ISC X 05 16 05 20.8–.58 39.34N–.08 73.98E–.07 35 4.3b 42 2-84
IDC X 05 16 05 15.7–.79 39.34N 73.86E 0 4.5,4.3b ¶12066020
ISCJB X 05 16 05 18.6–.58 39.27N–.07 73.94E–.07 33 4.3b,4.3b
NEIC X 05 16 05 20.8–.44 39.36N 73.86E 35 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=15.0km az=29.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=7.6km az=4.6.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=8.2km az=133.0.
ISC X 05 16 09 34.1–1.9 39.6N–.10 73.80E–.09 58–15 4.1b 50 3-84
IDC X 05 16 09 26.2–.72 39.50N 73.91E 0 4.3,4.2b ¶13396079
NEIC X 05 16 09 31.4–.50 39.38N 73.80E 35 4.7b,4.2b
ISCJB X 05 16 09 32.7–1.9 39.5N–.10 73.80E–.10 62–15 4.1b,4.2b
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 05 16 10 11.3–2.8 39.7N–.20 73.6E–.10 35–22 3.9b 42 2-84
IDC X 05 16 10 05.6–.90 39.51N 73.62E 0 4.2,4.0b ¶11330139
ISCJB X 05 16 10 08.3–6.8 39.6N–.20 73.6E–.10 27–46 3.9b,4.0b
NEIC X 05 16 10 09.7–4.8 39.62N 73.59E 25–32 3.9b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=14.7km az=136.0.
ISCJB Event type se. Error ellipse: s-maj=31.7km s-min=14.6km az=10.6.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=8.8km az=190.0.
ISC X 05 16 11 11.5–.34 39.51N–.02 73.87E–.02 40–3 6.2s,5.5b 1129 2-153
LDG X 05 16 11 03.7–.17 39.31N 73.88E 10–0 5.6b,5.5b ¶13396080
IDC X 05 16 11 04.9–.28 39.47N 73.96E 0 5.4b,5.4
ISCJB X 05 16 11 06.7–.77 39.48N–.02 73.85E–.02 18–5 6.2s,5.5b
NNC X 05 16 11 09.4–1.9 39.71N 73.80E 0 5.9b,5.6
BJI X 05 16 11 09.0 39.66N 73.98E 26 6.7b,6.0s
SZGRF X 05 16 11 10.8 39.05N 73.69E 33 5.4b,6.0s
NEIC X 05 16 11 10.4–.11 39.51N 73.89E 35 5.6b,6.0s
DJA X 05 16 11 10 39.30N 74.07E 10 5.8b,6.0s
MOS X 05 16 11 10.9–.97 39.54N 73.93E 55 5.7b,6.0s
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=9.1km s-min=5.8km az=3.0.
IDC Error ellipse: s-maj=8.0km s-min=7.4km az=29.0.
ISCJB Event type fe. Error ellipse: s-maj=3.2km s-min=2.0km az=23.9.
NNC Error ellipse: s-maj=17.0km s-min=8.8km az=6.0.
SZGRF Tajikistan-Xinjiang border region.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=13.0. Felt at Almaty, Kazakhstan; Bishkek, Kyrgyzstan; Tashkent, Uzbekistan.
MOS Error ellipse: s-maj=5.3km s-min=3.2km az=131.8.
IDC X 05 16 16 24.7–1.8 39.44N 73.86E 0 4.3,4.1b
¶12066022
IDC Error ellipse: s-maj=35.4km s-min=26.1km az=144.0.
ISC X 05 16 16 35.8–2.9 39.6N–.20 73.9E–.10 41–26 4.3b 30 3-84
IDC X 05 16 16 29.8–.76 39.45N 73.82E 0 4.4,4.3b ¶12066023
ISCJB X 05 16 16 34.9–2.7 39.5N–.20 73.8E–.10 48–24 4.3b,4.3b
NEIC X 05 16 16 34.2–7.1 39.55N 73.86E 29–50 4.7b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=17.1km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=28.7km s-min=15.9km az=23.3.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=11.4km az=197.0.
IDC X 05 16 17 06.9–1.1 39.46N 73.90E 0 4.2,4.1b
¶12066024
IDC Error ellipse: s-maj=40.0km s-min=20.3km az=32.0.
ISC X 05 16 24 32.0–.54 39.29N–.07 73.53E–.09 35 4.1b 83 3-84
IDC X 05 16 24 26.4–.64 39.42N 73.82E 0 4.2,4.1b ¶13396083
MOS X 05 16 24 29.8–1.0 39.57N 73.79E 33 4.2b,4.1b
ISCJB X 05 16 24 30.0–.54 39.31N–.06 73.51E–.09 33 4.1b,4.1b
NEIC X 05 16 24 31.6–.44 39.42N 73.78E 35 4.4b,4.1b
NNC X 05 16 24 36.4–6.0 39.92N 73.25E 0 4.9b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=12.4km az=93.0.
MOS Error ellipse: s-maj=17.5km s-min=9.1km az=107.6.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=8.7km az=26.9.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=9.3km az=103.0.
NNC Error ellipse: s-maj=60.5km s-min=32.7km az=166.0.
ISC X 05 16 29 10.9–.67 39.32N–.07 73.65E–.09 35 4.0b 67 3-82
IDC X 05 16 29 05.4–.94 39.41N 73.79E 0 4.1,4.0b ¶11710839
NNC X 05 16 29 06.0–5.0 39.23N 73.28E 0 4.9b,4.5
ISCJB X 05 16 29 09.6–.58 39.40N–.05 73.66E–.08 33 4.0b,4.5
MOS X 05 16 29 09.3–1.5 39.54N 73.65E 32 4.2b,4.5
NEIC X 05 16 29 11.7–1.9 39.45N 73.75E 44–16 4.2b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=17.2km az=120.0.
NNC Error ellipse: s-maj=50.1km s-min=27.8km az=4.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=7.2km az=26.3.
MOS Error ellipse: s-maj=16.4km s-min=9.8km az=98.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=11.1km az=178.0.
IDC X 05 16 29 55.4–34 39.32N 73.83E 0 4.1b,4.1
¶12066025
IDC Error ellipse: s-maj=626.0km s-min=63.3km az=131.0.
ISC X 05 16 34 16.9–.71 39.34N–.07 73.75E–.09 35 3.8b 44 3-84
IDC X 05 16 34 11.7–.85 39.45N 74.04E 0 4.1,4.0 ¶11710840
ISCJB X 05 16 34 15.0–.70 39.35N–.07 73.71E–.09 33 3.8b,4.0
NEIC X 05 16 34 17.0–7.4 39.44N 73.85E 35–50 3.6b,4.0
NNC X 05 16 34 19.9–2.8 39.84N 73.78E 0 4.5b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=14.7km az=78.0.
ISCJB Event type se. Error ellipse: s-maj=10.0km s-min=9.2km az=37.7.
NEIC Event type se. Error ellipse: s-maj=29.0km s-min=13.4km az=188.0.
NNC Error ellipse: s-maj=22.4km s-min=12.2km az=0.0.
ISC X 05 16 36 16.6–1.4 39.49N–.03 73.90E–.04 8–9 4.5b 309 2-153
LDG X 05 16 36 13.6–.14 39.28N 73.85E 10–0 4.6b ¶13396084
ISCJB X 05 16 36 15.2–1.5 39.51N–.03 73.91E–.04 11–10 4.5b
IDC X 05 16 36 15.1–.46 39.48N 73.95E 0 4.5,4.5
MOS X 05 16 36 18.2–.92 39.49N 73.89E 33 4.7b,4.5
NNC X 05 16 36 20.6–2.0 39.76N 73.82E 0 4.8b,4.6
NEIC X 05 16 36 20.1–.15 39.45N 73.92E 35 4.6b,4.6
BJI X 05 16 36 21.7 39.72N 74.05E 40 4.5b,4.4L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=8.9km s-min=4.8km az=42.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=146.3.
IDC Error ellipse: s-maj=10.6km s-min=9.8km az=92.0.
MOS Error ellipse: s-maj=8.2km s-min=4.9km az=120.9.
NNC Error ellipse: s-maj=18.5km s-min=9.2km az=8.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=221.0.
IDC X 05 16 41 24.1–1.4 39.45N 73.91E 0 4.1,3.9b
¶12066028
IDC Error ellipse: s-maj=30.0km s-min=18.9km az=96.0.
ISC X 05 16 45 50.8–3.1 39.5N–.20 73.8E–.10 38–27 3.6b 24 3-84
IDC X 05 16 45 45.1–.96 39.53N 73.87E 0 3.8,3.7 ¶11748101
ISCJB X 05 16 45 49.5–3.2 39.5N–.20 73.7E–.10 42–26 3.6b,3.7
NNC X 05 16 45 49.8–1.9 39.80N 73.56E 0 4.1b,3.8
NEIC X 05 16 45 50.3–.74 39.41N 73.83E 35 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=15.3km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=35.3km s-min=16.5km az=6.6.
NNC Error ellipse: s-maj=19.1km s-min=11.7km az=168.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=12.9km az=130.0.
IDC X 05 16 46 15.2–1.8 39.11N 73.42E 0 3.9,3.7b
¶12066029
IDC Error ellipse: s-maj=90.2km s-min=25.5km az=54.0.
ISC X 05 16 48 51.1–.00 39.27N–.09 73.7E–.10 10 3.7b 29 3-84
ISCJB X 05 16 48 49.3–.00 39.22N–.09 73.6E–.10 10 3.7b ¶11748102
IDC X 05 16 48 50.1–1.1 39.50N 74.25E 0 3.9,3.8b
NEIC X 05 16 48 55.7–.95 39.42N 73.88E 35 3.9,3.8b
NNC X 05 16 49 01.1–2.5 39.80N 72.92E 0 4.0b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=11.7km az=168.5.
IDC Error ellipse: s-maj=27.8km s-min=16.2km az=78.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=13.7km az=100.0.
NNC Error ellipse: s-maj=23.9km s-min=12.6km az=173.0.
ISC X 05 16 51 42.9–.61 39.41N–.07 73.84E–.08 35 4.0b 42 2-84
IDC X 05 16 51 37.9–1.0 39.46N 73.99E 0 3.9,3.8 ¶11330142
ISCJB X 05 16 51 40.7–.60 39.35N–.07 73.85E–.07 33 4.0b,3.8
BJI X 05 16 51 40.4 39.30N 73.80E 35 5.3b,4.8s
NEIC X 05 16 51 42.9–.85 39.40N 73.85E 35 5.3b,4.8s
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=15.6km az=76.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=6.8km az=36.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=12.7km az=74.0.
ISC X 05 16 52 52.9–1.1 39.40N–.02 73.79E–.03 14–7 4.9s,4.5b 354 2-153
LDG X 05 16 52 48.9–.14 39.31N 73.87E 10–0 4.8b,4.5b ¶13396085
ISCJB X 05 16 52 50.4–1.1 39.40N–.02 73.81E–.03 11–7 4.9s,4.5b
IDC X 05 16 52 50.6–.49 39.45N 73.83E 0 4.5,4.4
MOS X 05 16 52 53.1–1.0 39.54N 73.86E 28 4.8b,4.4
BJI X 05 16 52 53.7 39.70N 73.73E 30 5.2b,5.1s
NEIC X 05 16 52 55.4–.16 39.38N 73.86E 35 4.7b,5.1s
SZGRF X 05 16 52 59.3 40.06N 73.98E 33 4.4b,5.1s
NNC X 05 16 52 59.6–2.1 40.11N 73.27E 14–10 4.9,4.8b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=9.1km s-min=4.8km az=45.0.
ISCJB Event type ke. Error ellipse: s-maj=4.5km s-min=3.6km az=34.7.
IDC Error ellipse: s-maj=10.9km s-min=8.9km az=125.0.
MOS Error ellipse: s-maj=7.7km s-min=4.6km az=121.1.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=3.0km az=224.0.
SZGRF Kyrgyzstan.
NNC Error ellipse: s-maj=12.5km s-min=6.8km az=19.0.
ISC X 05 16 55 57.2–1.0 39.2N–.10 73.3E–.20 35 3.8b 19 3-84
IDC X 05 16 55 52.5–1.2 39.42N 73.78E 0 4.0,3.9b ¶12066032
ISCJB X 05 16 55 55.3–1.0 39.15N–.10 73.2E–.20 33 3.8b,3.9b
NEIC X 05 16 55 57.2–.81 39.16N 73.29E 35 3.8b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=17.0km az=82.0.
ISCJB Event type se. Error ellipse: s-maj=22.5km s-min=14.0km az=2.5.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=11.9km az=86.0.
ISC X 05 16 59 29.4–6.9 39.4N–.20 73.7E–.10 35–47 3.7b 26 3-84
IDC X 05 16 59 24.4–.97 39.44N 73.82E 0 3.9,3.8b ¶12066033
ISCJB X 05 16 59 29.6–2.7 39.5N–.20 73.7E–.10 52–21 3.7b,3.8b
NEIC X 05 16 59 29.3–.76 39.38N 73.73E 35 3.9b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=15.7km az=87.0.
ISCJB Event type se. Error ellipse: s-maj=29.8km s-min=16.6km az=15.2.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.0km az=60.0.
ISC X 05 17 00 23.2–.29 39.32N–.03 73.72E–.05 10 4.3b 153 2-84
IDC X 05 17 00 21.8–.59 39.41N 73.81E 0 4.3,4.2L ¶13396089
ISCJB X 05 17 00 21.5–.29 39.28N–.03 73.62E–.05 10 4.3b,4.2L
MOS X 05 17 00 26.1–1.4 39.49N 73.64E 33 4.6b,4.2L
NEIC X 05 17 00 26.8–.35 39.26N 73.84E 35 4.3b,4.2L
NNC X 05 17 00 27.4–4.0 39.70N 73.69E 0 4.7b,4.5
BJI X 05 17 00 31.3 39.44N 74.19E 30 5.1b,4.9s
DMN X 05 17 02 58.7–10 30.40N 82.68E 10–0 5.1b,4.9s
ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=9.7km az=99.0.
ISCJB Event type ke. Error ellipse: s-maj=5.5km s-min=3.8km az=155.8.
MOS Error ellipse: s-maj=12.5km s-min=7.2km az=99.3.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.7km az=60.0.
NNC Error ellipse: s-maj=32.9km s-min=17.9km az=1.0.
DMN Event type ke. Error ellipse: s-maj=263.7km s-min=21.8km az=147.0.
ISC X 05 17 08 55.2–.60 39.43N–.07 73.69E–.08 35 3.8b 53 3-84
IDC X 05 17 08 50.0–.83 39.45N 73.85E 0 3.9,3.8b ¶13396092
ISCJB X 05 17 08 53.3–.59 39.52N–.06 73.78E–.08 33 3.8b,3.8b
NEIC X 05 17 08 55.8–1.1 39.71N 73.93E 36–10 4.3b,3.8b
NNC X 05 17 08 58.5–3.0 39.87N 73.67E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=11.6km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.7km az=135.4.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.3km az=130.0.
NNC Error ellipse: s-maj=26.4km s-min=14.0km az=4.0.
ISC X 05 17 10 47.7–1.4 39.2N–.10 73.5E–.20 35 4.0b 12 3-82
IDC X 05 17 10 44.6–4.7 39.47N 73.60E 0 4.1s,4.1 ¶12066034
ISCJB X 05 17 10 45.6–1.4 39.2N–.10 73.4E–.20 33 4.0b,4.1
NEIC X 05 17 10 47.6–1.4 39.19N 73.50E 35 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=87.2km s-min=29.2km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=27.9km s-min=20.4km az=14.4.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=20.0km az=102.0.
ISC X 05 17 12 40.1–1.3 39.50N–.09 73.80E–.06 45–11 4.0b 111 2-84
BJI X 05 17 12 33.6 39.49N 73.59E 24 5.0b,4.8s ¶13396094
IDC X 05 17 12 34.2–.69 39.51N 74.05E 0 4.0,4.0
MOS X 05 17 12 37.1–1.5 39.47N 73.88E 33 4.1b,4.0
NEIC X 05 17 12 39.2–.68 39.47N 73.84E 35 4.0b,4.0
ISCJB X 05 17 12 39.2–1.3 39.52N–.08 73.80E–.06 55–10 4.0b,4.0
NNC X 05 17 12 40.3–1.9 39.84N 73.86E 0 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=13.4km s-min=10.3km az=86.0.
MOS Error ellipse: s-maj=13.5km s-min=7.7km az=89.7.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=10.3km az=194.0.
ISCJB Event type se. Error ellipse: s-maj=14.7km s-min=6.0km az=23.4.
NNC Error ellipse: s-maj=16.5km s-min=9.3km az=1.0.
ISC X 05 17 13 28.3–.64 39.53N–.09 73.8E–.10 35 4.0b 29 3-84
IDC X 05 17 13 22.7–.84 39.34N 73.84E 0 4.2,4.0b ¶13396095
ISCJB X 05 17 13 26.4–.64 39.53N–.09 73.8E–.10 33 4.0b,4.0b
NEIC X 05 17 13 28.1–.50 39.52N 73.83E 35 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=17.4km az=60.0.
ISCJB Event type se. Error ellipse: s-maj=15.8km s-min=11.8km az=140.4.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.0km az=57.0.
IDC X 05 17 18 54.6–1.5 39.44N 73.88E 0 4.1,4.0b
¶12066037
IDC Error ellipse: s-maj=42.9km s-min=20.5km az=86.0.

ISC	**X**	**05 17 30 58.9–.70**	**39.44N–.09**	**73.6E–.10**	**10**	**3.6b**	**34**	**3-84**
NNC	X	05 17 30 50.2–1.9	39.29N	73.84E	0	4.2b,3.8		**¶11748104**
ISCJB	X	05 17 30 57.3–.71	39.52N–.09	73.7E–.10	10	3.6b,3.8		
IDC	X	05 17 30 57.3–1.0	39.40N	73.76E	0	3.7b,3.7		
NEIC	X	05 17 31 02.5–.67	39.35N	73.70E	35	3.7b,3.7		
ISC	Event type se.							
NNC	Error ellipse: s-maj=18.2km s-min=12.9km az=164.0.							
ISCJB	Event type se. Error ellipse: s-maj=14.1km s-min=11.4km az=29.5.							
IDC	Error ellipse: s-maj=19.0km s-min=15.5km az=99.0.							
NEIC	Event type se. Error ellipse: s-maj=13.7km s-min=11.5km az=114.0.							
ISC	**X**	**05 17 33 49.7–.39**	**39.40N–.05**	**73.68E–.04**	**10**	**4.2b**	**169**	**2-84**
LDG	X	05 17 33 45.7–.19	39.23N	73.76E	10–0	4.4b		**¶13396096**
ISCJB	X	05 17 33 47.5–.38	39.33N–.04	73.70E–.04	10	4.2b		
IDC	X	05 17 33 47.7–.68	39.47N	73.91E	0	4.3,4.1b		
NEIC	X	05 17 33 52.8–.50	39.48N	73.81E	35	4.4b,4.1b		
MOS	X	05 17 33 53.5–1.3	39.62N	73.84E	53	4.4b,4.1b		
NNC	X	05 17 33 54.9–1.4	39.78N	73.92E	0	4.4,4.4b		
BJI	X	05 17 33 55.6	39.52N	74.26E	30	5.0b,4.4s		
SZGRF	X	05 17 33 56.2	40.08N	74.07E	33	3.9b,4.4s		
ISC	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=8.9km s-min=6.3km az=3.0.							
ISCJB	Event type ke. Error ellipse: s-maj=6.4km s-min=4.9km az=11.7.							
IDC	Error ellipse: s-maj=13.6km s-min=11.8km az=68.0.							
NEIC	Event type se. Error ellipse: s-maj=8.9km s-min=6.8km az=156.0.							
MOS	Error ellipse: s-maj=9.5km s-min=5.6km az=107.9.							
NNC	Error ellipse: s-maj=12.5km s-min=7.0km az=4.0.							
SZGRF	Kyrgyzstan-Xinjiang border region.							
ISC	**X**	**05 17 37 53.2–1.1**	**39.3N–.10**	**73.7E–.20**	**35**	**3.6b**	**20**	**3-82**
IDC	X	05 17 37 47.7–1.5	39.47N	73.99E	0	3.9,3.8b		**¶12066041**
ISCJB	X	05 17 37 51.0–1.1	39.3N–.10	73.7E–.20	33	3.6b,3.8b		
NEIC	X	05 17 37 53.1–1.1	39.38N	73.75E	35	3.6b,3.8b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=34.3km s-min=15.6km az=106.0.							
ISCJB	Event type se. Error ellipse: s-maj=22.5km s-min=11.9km az=31.6.							
NEIC	Event type se. Error ellipse: s-maj=22.0km s-min=13.8km az=119.0.							
ISC	**X**	**05 17 39 53.0–3.3**	**39.24N–.06**	**73.5E–.10**	**7–21**	**3.8b**	**51**	**3-84**
IDC	X	05 17 39 51.8–.84	39.46N	73.95E	0	4.0,3.9b		**¶13396098**
NEIC	X	05 17 39 57.1–.79	39.36N	73.87E	35	4.2b,3.9b		
NNC	X	05 17 40 09.9–1.5	40.36N	73.80E	0–5	4.2b,3.9		
ISC	Event type se.							
IDC	Error ellipse: s-maj=16.3km s-min=13.8km az=103.0.							
NEIC	Event type se. Error ellipse: s-maj=15.9km s-min=12.6km az=100.0.							
NNC	Error ellipse: s-maj=8.8km s-min=3.4km az=18.0.							
IDC	**X**	**05 17 43 43.6–2.1**	**39.40N**	**73.84E**	**0**	**3.8,3.7b**		**¶11330149**
IDC	Error ellipse: s-maj=66.4km s-min=26.4km az=79.0.							
ISC	**X**	**05 17 44 26.7–.42**	**39.47N–.04**	**73.72E–.05**	**10**	**4.0b**	**120**	**2-84**
IDC	X	05 17 44 23.9–.71	39.43N	74.00E	0	4.1,4.0		**¶13396099**
ISCJB	X	05 17 44 24.8–.41	39.49N–.05	73.80E–.06	10	4.0b,4.0		
MOS	X	05 17 44 27.6–1.3	39.55N	73.88E	33	4.1b,4.0		
BJI	X	05 17 44 27.4	39.62N	73.92E	20	4.6b,4.3s		
NEIC	X	05 17 44 29.5–.56	39.42N	73.96E	35	4.0b,4.3s		
NNC	X	05 17 44 35.6–3.5	40.05N	73.65E	14–16	4.3b,4.3		
ISC	Event type se.							
IDC	Error ellipse: s-maj=13.7km s-min=10.4km az=110.0.							
ISCJB	Event type se. Error ellipse: s-maj=6.5km s-min=6.1km az=162.6.							
MOS	Error ellipse: s-maj=13.6km s-min=8.4km az=98.4.							
NEIC	Event type se. Error ellipse: s-maj=11.6km s-min=8.4km az=123.0.							
NNC	Error ellipse: s-maj=19.7km s-min=6.9km az=4.0.							
ISC	**X**	**05 17 49 48.5–.64**	**39.39N–.06**	**73.72E–.08**	**10**	**3.8b**	**66**	**3-84**
ISCJB	X	05 17 49 46.8–.65	39.36N–.06	73.68E–.08	10	3.8b		**¶13396100**
IDC	X	05 17 49 47.0–.84	39.48N	73.84E	0	4.0,3.8b		
MOS	X	05 17 49 51.4–1.4	39.52N	73.89E	33	4.5b,3.8b		
NEIC	X	05 17 49 53.1–.60	39.60N	73.91E	35	4.4b,3.8b		
NNC	X	05 17 49 59.2–1.6	40.11N	73.46E	0	4.3b,4.0		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=9.9km s-min=8.1km az=137.0.							
IDC	Error ellipse: s-maj=16.5km s-min=13.8km az=108.0.							
MOS	Error ellipse: s-maj=15.8km s-min=9.2km az=89.6.							
NEIC	Event type se. Error ellipse: s-maj=11.4km s-min=8.9km az=123.0.							
NNC	Error ellipse: s-maj=16.1km s-min=8.8km az=172.0.							
ISC	**X**	**05 17 54 15.3–1.4**	**39.0N–.10**	**73.8E–.20**	**10**	**3.9b**	**17**	**3-82**
ISCJB	X	05 17 54 13.6–1.4	39.0N–.10	73.7E–.20	10	3.9b		**¶11748106**
IDC	X	05 17 54 18.1–4.2	39.63N	73.97E	0	4.8,4.8s		
NEIC	X	05 17 54 19.1–1.5	39.15N	73.96E	35	4.2b,4.8s		
NNC	X	05 17 54 25.2–2.5	39.90N	73.62E	0	4.0b,3.6		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=17.7km s-min=17.3km az=137.0.							
IDC	Error ellipse: s-maj=87.5km s-min=23.9km az=117.0.							
NEIC	Event type se. Error ellipse: s-maj=23.4km s-min=20.0km az=83.0.							
NNC	Error ellipse: s-maj=25.8km s-min=15.2km az=170.0.							
ISC	**X**	**05 17 59 09.0–1.1**	**39.19N–.09**	**73.5E–.10**	**10**	**3.7b**	**37**	**3-82**
ISCJB	X	05 17 59 07.0–1.1	39.17N–.09	73.6E–.10	10	3.7b		**¶11710846**
IDC	X	05 17 59 08.2–1.4	39.37N	73.80E	0	3.6b,3.6		
NEIC	X	05 17 59 13.0–1.2	39.39N	73.68E	35	3.6b,3.6		
NNC	X	05 17 59 15.9–2.2	39.82N	73.62E	0	3.9b,3.5		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=12.4km s-min=11.7km az=174.1.							
IDC	Error ellipse: s-maj=22.2km s-min=18.4km az=71.0.							
NEIC	Event type se. Error ellipse: s-maj=15.8km s-min=13.1km az=194.0.							
NNC	Error ellipse: s-maj=22.3km s-min=13.3km az=166.0.							
ISC	**X**	**05 18 01 36.6–.75**	**39.29N–.08**	**73.41E–.10**	**35**	**3.7b**	**32**	**3-84**
IDC	X	05 18 01 31.4–1.0	39.35N	73.60E	0	3.8b,3.8		**¶11748107**
ISCJB	X	05 18 01 34.6–.74	39.26N–.07	73.37E–.09	33	3.7b,3.8		
NEIC	X	05 18 01 36.4–.73	39.33N	73.39E	35	4.5b,3.8		
NNC	X	05 18 01 41.4–1.6	39.91N	73.55E	0	3.9b,3.6		
ISC	Event type se.							
IDC	Error ellipse: s-maj=23.3km s-min=15.5km az=81.0.							
ISCJB	Event type se. Error ellipse: s-maj=10.5km s-min=9.9km az=42.2.							
NEIC	Event type se. Error ellipse: s-maj=12.6km s-min=10.6km az=65.0.							
NNC	Error ellipse: s-maj=16.0km s-min=8.9km az=169.0.							
ISC	**X**	**05 18 03 06.2–.88**	**39.4N–.10**	**73.7E–.10**	**35**	**3.5b**	**23**	**3-84**
IDC	X	05 18 03 01.1–1.1	39.39N	73.84E	0	3.8,3.7b		**¶12066045**
ISCJB	X	05 18 03 03.9–.85	39.30N–.08	73.6E–.10	33	3.5b,3.7b		
NEIC	X	05 18 03 06.2–.92	39.40N	73.71E	35	3.5b,3.7b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=24.6km s-min=14.4km az=88.0.							
ISCJB	Event type se. Error ellipse: s-maj=15.2km s-min=12.1km az=171.7.							
NEIC	Event type se. Error ellipse: s-maj=18.6km s-min=15.3km az=69.0.							
ISC	**X**	**05 18 08 49.9–.25**	**39.34N–.03**	**73.66E–.04**	**10**	**4.2b**	**201**	**3-84**
LDG	X	05 18 08 45.9–.16	39.22N	73.77E	10–0	4.5b		**¶13396101**
ISCJB	X	05 18 08 47.9–.24	39.26N–.03	73.62E–.04	10	4.2b		
IDC	X	05 18 08 48.8–.64	39.45N	73.93E	0	4.3,4.1b		
NEIC	X	05 18 08 49.0–3.4	39.37N	73.76E	6–22	4.5b,4.1b		
MOS	X	05 18 08 51.6–1.5	39.38N	73.72E	34	4.6b,4.1b		
NNC	X	05 18 08 54.3–2.2	39.84N	73.51E	0	4.7b,4.6		
SZGRF	X	05 18 08 59.4	40.18N	73.76E	33	4.3b,4.6		
ISC	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=6.3km s-min=5.6km az=161.0.							
ISCJB	Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=156.7.							
IDC	Error ellipse: s-maj=12.0km s-min=10.1km az=105.0.							
NEIC	Event type se. Error ellipse: s-maj=9.9km s-min=5.5km az=58.0.							
MOS	Error ellipse: s-maj=9.1km s-min=5.6km az=112.5.							
NNC	Error ellipse: s-maj=20.5km s-min=13.6km az=166.0.							
SZGRF	Kyrgyzstan.							
ISC	**X**	**05 18 20 50.5–.75**	**39.60N–.09**	**73.8E–.10**	**35**	**3.7b**	**27**	**3-84**
IDC	X	05 18 20 44.9–.97	39.43N	73.95E	0	4.3s,4.3		**¶12066047**
ISCJB	X	05 18 20 48.5–.75	39.62N–.10	73.9E–.10	33	3.7b,4.3		
NEIC	X	05 18 20 50.2–.83	39.52N	73.81E	35	3.8b,4.3		
ISC	Event type se.							
IDC	Error ellipse: s-maj=21.8km s-min=13.4km az=91.0.							
ISCJB	Event type se. Error ellipse: s-maj=15.5km s-min=11.8km az=135.2.							
NEIC	Event type se. Error ellipse: s-maj=16.9km s-min=13.9km az=67.0.							
ISC	**X**	**05 18 27 40.7–.73**	**39.44N–.02**	**73.77E–.02**	**28–5**	**5.0b,4.6s**	**635**	**2-153**
LDG	X	05 18 27 33.9–.16	39.26N	73.80E	10–0	5.1b,4.6s		**¶13396102**
SZGRF	X	05 18 27 34.9	39.28N	74.38E	33	5.1b,4.6s		
IDC	X	05 18 27 36.3–.44	39.46N	73.86E	0	4.8,4.8		
MOS	X	05 18 27 39.4–1.1	39.41N	73.73E	33	5.2b,4.3s		
ISCJB	X	05 18 27 39.6–.72	39.44N–.02	73.78E–.02	33–5	5.0b,4.6s		
NEIC	X	05 18 27 40.8–.18	39.43N	73.92E	35	5.1b,4.6s		
BJI	X	05 18 27 40.2	39.63N	73.92E	26	5.1b,5.0L		
NNC	X	05 18 27 40.8–1.8	39.71N	73.59E	0	5.1b,5.1		
DJA	X	05 18 27 41	39.47N	73.86E	10	5.2b,5.1		
ISC	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=7.7km s-min=5.7km az=7.0.							
SZGRF	Southern Xinjiang, China.							
IDC	Error ellipse: s-maj=10.0km s-min=7.9km az=121.0.							
MOS	Error ellipse: s-maj=5.4km s-min=3.6km az=122.9.							
ISCJB	Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=25.3.							
NEIC	Event type se. Error ellipse: s-maj=5.4km s-min=3.7km az=213.0.							
NNC	Error ellipse: s-maj=16.3km s-min=8.2km az=10.0.							
ISC	**X**	**05 18 34 33.1–2.2**	**39.29N–.03**	**73.62E–.06**	**12–14**	**4.2b**	**157**	**3-153**
IDC	X	05 18 34 31.1–.59	39.40N	73.80E	0	4.2,4.1		**¶13396103**
ISCJB	X	05 18 34 32.3–1.5	39.26N–.04	73.60E–.07	20–11	4.2b,4.1		
MOS	X	05 18 34 34.2–1.3	39.43N	73.72E	33	4.6b,4.1		
NEIC	X	05 18 34 34.9–2.0	39.36N	73.75E	26–15	4.5b,4.1		
NNC	X	05 18 34 39.6–2.1	39.88N	73.70E	0	4.9b,4.5		
ISC	Event type se.							
IDC	Error ellipse: s-maj=12.4km s-min=11.1km az=87.0.							
ISCJB	Event type se. Error ellipse: s-maj=9.4km s-min=4.9km az=153.4.							
MOS	Error ellipse: s-maj=11.6km s-min=6.6km az=114.0.							
NEIC	Event type se. Error ellipse: s-maj=8.3km s-min=5.1km az=54.0.							
NNC	Error ellipse: s-maj=21.7km s-min=12.8km az=168.0.							
ISC	**X**	**05 18 37 30.3–.79**	**39.45N–.10**	**74.0E–.20**	**35**	**3.7b**	**20**	**3-84**
IDC	X	05 18 37 24.9–1.1	39.46N	73.95E	0	3.9,3.8b		**¶12066048**
ISCJB	X	05 18 37 28.3–.79	39.43N–.09	73.9E–.20	33	3.7b,3.8b		
NEIC	X	05 18 37 31.5–3.5	39.49N	73.99E	47–30	3.7b,3.8b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=31.0km s-min=16.8km az=89.0.							
ISCJB	Event type se. Error ellipse: s-maj=21.9km s-min=13.3km az=178.2.							
NEIC	Event type se. Error ellipse: s-maj=32.6km s-min=19.2km az=215.0.							
ISC	**X**	**05 18 48 45.8–2.1**	**39.41N–.06**	**73.66E–.07**	**9–13**	**3.7b**	**87**	**3-84**
IDC	X	05 18 48 44.0–.75	39.43N	73.83E	0	4.0,3.9		**¶13396104**
MOS	X	05 18 48 46.1–1.3	39.50N	73.70E	24	4.5b,3.9		
NEIC	X	05 18 48 47.8–2.4	39.48N	73.76E	23–17	4.3b,3.9		
NNC	X	05 18 48 47.9–2.6	39.61N	73.66E	0	4.3b,4.0		
ISC	Event type se.							
IDC	Error ellipse: s-maj=14.4km s-min=13.0km az=48.0.							
MOS	Error ellipse: s-maj=15.6km s-min=8.5km az=89.0.							
NEIC	Event type se. Error ellipse: s-maj=8.6km s-min=7.5km az=152.0.							
NNC	Error ellipse: s-maj=24.2km s-min=12.9km az=8.0.							
ISC	**X**	**05 19 12 54.7–1.6**	**39.42N–.06**	**73.72E–.07**	**32–12**	**3.9b**	**90**	**3-84**
IDC	X	05 19 12 49.4–.77	39.41N	73.81E	0	4.1,4.0		**¶13396108**
MOS	X	05 19 12 51.7–1.6	39.50N	73.71E	24	4.2b,4.0		
NEIC	X	05 19 12 53.1–3.2	39.52N	73.78E	21–24	4.2b,4.0		
ISCJB	X	05 19 12 54.9–1.2	39.49N–.07	73.76E–.07	51–11	3.9b,4.0		
NNC	X	05 19 12 54.2–2.1	39.67N	73.69E	0	4.1b,4.0		
ISC	Event type se.							
IDC	Error ellipse: s-maj=15.1km s-min=12.1km az=104.0.							
MOS	Error ellipse: s-maj=13.3km s-min=7.6km az=88.3.							
NEIC	Event type se. Error ellipse: s-maj=14.3km s-min=9.7km az=150.0.							
ISCJB	Event type se. Error ellipse: s-maj=12.1km s-min=8.8km az=168.8.							
NNC	Error ellipse: s-maj=18.6km s-min=10.4km az=8.0.							
ISC	**X**	**05 19 41 11.7–1.0**	**39.5N–.10**	**73.7E–.10**	**10**	**3.6b**	**25**	**3-82**
ISCJB	X	05 19 41 10.1–1.0	39.5N–.10	73.7E–.10	10	3.6b		**¶12066053**
IDC	X	05 19 41 10.1–1.2	39.43N	73.90E	0	3.7b,3.7		
NEIC	X	05 19 41 15.2–1.0	39.50N	73.73E	35	3.7b,3.7		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=17.3km s-min=12.8km az=8.2.							
IDC	Error ellipse: s-maj=21.5km s-min=14.7km az=110.0.							
NEIC	Event type se. Error ellipse: s-maj=16.7km s-min=13.7km az=181.0.							
ISC	**X**	**05 19 43 52.8–1.8**	**39.3N–.10**	**73.57E–.08**	**36–14**	**3.8b**	**81**	**3-84**
IDC	X	05 19 43 47.7–.85	39.42N	73.84E	0	3.9,3.8b		**¶13396111**
ISCJB	X	05 19 43 49.5–3.0	39.26N–.09	73.51E–.08	24–21	3.8b,3.8b		
MOS	X	05 19 43 50.2–1.8	39.41N	73.62E	27	4.3b,3.8b		
NEIC	X	05 19 43 54.1–2.1	39.51N	73.76E	45–17	3.9b,3.8b		
NNC	X	05 19 44 01.4–2.1	40.31N	73.53E	0	3.9b,3.9		
ISC	Event type se.							
IDC	Error ellipse: s-maj=16.5km s-min=13.9km az=105.0.							
ISCJB	Event type se. Error ellipse: s-maj=14.4km s-min=10.1km az=176.0.							
MOS	Error ellipse: s-maj=16.0km s-min=7.6km az=89.5.							
NEIC	Event type se. Error ellipse: s-maj=21.5km s-min=9.8km az=186.0.							
NNC	Error ellipse: s-maj=21.2km s-min=11.7km az=171.0.							
ISC	**X**	**05 20 30 59.4–2.5**	**39.39N–.08**	**73.42E–.07**	**26–17**	**3.8b**	**92**	**3-84**
IDC	X	05 20 30 54.9–.90	39.41N	73.67E	0	4.0,3.8b		**¶11330157**
MOS	X	05 20 30 59.3–1.5	39.54N	73.49E	33	4.2b,3.8b		
NEIC	X	05 20 31 00.5–.57	39.40N	73.52E	35	3.9b,3.8b		
NNC	X	05 20 31 02.5–1.5	39.80N	73.56E	0	4.0b,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=17.1km s-min=14.2km az=122.0.							
MOS	Error ellipse: s-maj=14.4km s-min=6.9km az=84.4.							
NEIC	Event type se. Error ellipse: s-maj=9.4km s-min=7.9km az=155.0.							
NNC	Error ellipse: s-maj=15.4km s-min=9.2km az=164.0.							
ISC	**X**	**05 21 14 01.1–.53**	**39.44N–.05**	**73.67E–.06**	**10**	**3.8b**	**95**	**3-153**
ISCJB	X	05 21 13 59.8–.50	39.59N–.04	73.80E–.06	10	3.8b		**¶11710849**
IDC	X	05 21 13 59.2–.64	39.45N	74.06E	0	4.0,3.9b		
MOS	X	05 21 14 02.8–1.4	39.48N	73.80E	33	4.1b,3.9b		
NEIC	X	05 21 14 04.7–.66	39.46N	73.72E	35	3.6b,3.9b		
NNC	X	05 21 14 08.7–4.6	40.01N	73.54E	10–21	4.2b,4.1		
ISC	Event type se.							
ISCJB	Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=170.3.							
IDC	Error ellipse: s-maj=13.9km s-min=9.6km az=85.0.							
MOS	Error ellipse: s-maj=14.4km s-min=7.8km az=87.3.							
NEIC	Event type se. Error ellipse: s-maj=9.9km s-min=8.8km az=25.0.							
NNC	Error ellipse: s-maj=30.1km s-min=10.1km az=168.0.							
ISC	**X**	**05 21 21 53.0–.70**	**39.53N–.05**	**73.32E–.07**	**35**	**3.8b**	**36**	**3-82**
IDC	X	05 21 21 48.8–.60	39.58N	73.31E	0	4.0b,3.9		**¶11710850**
ISCJB	X	05 21 21 51.1–.69	39.52N–.05	73.30E–.07	33	3.8b,3.9		
NEIC	X	05 21 21 53.1–.71	39.62N	73.34E	35	3.8b,3.9		
ISC	Event type se.							
IDC	Error ellipse: s-maj=11.7km s-min=6.6km az=112.0.							
ISCJB	Event type se. Error ellipse: s-maj=9.2km s-min=5.9km az=35.3.							
NEIC	Event type se. Error ellipse: s-maj=11.8km s-min=6.5km az=136.0.							
ISC	**X**	**05 21 46 02.6–.94**	**39.60N–.02**	**73.75E–.03**	**9–6**	**4.5b,4.0s**	**346**	**2-153**
LDG	X	05 21 45 58.9–.11	39.44N	73.78E	10–0	4.7b,3.8s		**¶13396125**
ISCJB	X	05 21 45 59.4–.83	39.60N–.02	73.80E–.03	1–5	4.6b,4.0s		
IDC	X	05 21 46 01.2–.54	39.59N	73.86E	0	4.5,4.4		
BJI	X	05 21 46 03.6	39.67N	74.09E	14	4.8b,4.7b		
MOS	X	05 21 46 03.0–1.2	39.62N	73.74E	22	4.8b,4.7b		
NNC	X	05 21 46 04.9–2.1	39.79N	73.84E	0	4.8b,4.5		
SZGRF	X	05 21 46 05.9	39.84N	74.25E	33	4.5b,4.5		
NEIC	X	05 21 46 06.7–.60	39.69N	73.72E	36–5	4.6b,4.1s		
ISC	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=5.6km s-min=3.8km az=34.0.							
ISCJB	Event type ke. Error ellipse: s-maj=3.7km s-min=3.2km az=159.4.							
IDC	Error ellipse: s-maj=10.6km s-min=9.1km az=107.0.							
MOS	Error ellipse: s-maj=6.6km s-min=4.4km az=99.4.							
NNC	Error ellipse: s-maj=18.6km s-min=9.6km az=7.0.							
SZGRF	Southern Xinjiang, China.							
NEIC	Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=195.0.							
ISC	**X**	**05 22 13 18.5–.44**	**39.41N–.04**	**73.42E–.06**	**35**	**3.6b**	**100**	**3-84**
IDC	X	05 22 13 14.8–.74	39.52N	73.83E	0	3.8,3.7b		**¶11331875**

ISCJB X 05 22 13 16.5–.48 39.40N–.04 73.44E–.06 33 3.6b,3.7b
MOS X 05 22 13 16.5–1.4 39.53N 73.43E 33 4.0b,3.7b
NEIC X 05 22 13 17.3–.48 39.54N 73.16E 35 3.8b,3.7b
NNC X 05 22 13 32.5–3.2 40.35N 73.79E 0 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=12.4km az=75.0.
ISCJB Event type se. Error ellipse: s-maj=6.4km s-min=5.6km az=7.3.
MOS Error ellipse: s-maj=13.6km s-min=7.0km az=84.5.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.7km az=100.0.
NNC Error ellipse: s-maj=34.8km s-min=19.3km az=161.0.
ISC X 05 22 26 20.7–.53 39.44N–.04 73.38E–.06 10 3.7b 54 3-84
ISCJB X 05 22 26 18.7–.53 39.42N–.04 73.33E–.06 10 3.7b **¶11331876**
IDC X 05 22 26 19.1–.95 39.43N 73.84E 0 3.9,3.8b
NEIC X 05 22 26 22.8–.63 39.49N 73.26E 35 3.6b,3.8b
NNC X 05 22 26 34.4–7.1 40.43N 73.53E 9–31 3.8b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=4.7km az=26.6.
IDC Error ellipse: s-maj=17.2km s-min=16.0km az=81.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.1km az=115.0.
NNC Error ellipse: s-maj=49.9km s-min=12.2km az=171.0.
ISC X 05 22 38 45.9–2.1 39.46N–.07 73.50E–.08 17–16 3.8b 43 3-71
NEIC X 05 22 38 39.9–.83 38.88N 73.40E 35 4.0b **¶11331877**
IDC X 05 22 38 43.3–.47 39.43N 73.59E 0 4.4s,4.4
ISCJB X 05 22 38 45.0–2.2 39.45N–.06 73.47E–.08 26–18 3.8b,4.4
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 05 22 47 48.3–.71 39.46N–.05 73.70E–.08 10 3.8b 59 3-68
ISCJB X 05 22 47 46.3–.69 39.43N–.05 73.70E–.07 10 3.8b **¶12066069**
IDC X 05 22 47 46.9–1.4 39.49N 73.74E 0 3.8b,3.8
MOS X 05 22 47 49.9–2.5 39.58N 73.50E 26 4.3b,3.8
NEIC X 05 22 47 52.7–.86 39.63N 73.70E 35 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.1km az=36.2.
IDC Error ellipse: s-maj=24.9km s-min=12.3km az=139.0.
MOS Error ellipse: s-maj=15.6km s-min=8.5km az=82.7.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.6km az=141.0.
ISC X 05 22 52 12.1–.79 39.56N–.04 73.83E–.05 37–7 4.1b 132 2-84
IDC X 05 22 52 06.3–.59 39.51N 73.94E 0 4.2,4.1b **¶13396129**
BJI X 05 22 52 07.6 39.40N 73.66E 18 4.8b,4.3b
MOS X 05 22 52 09.2–1.3 39.54N 73.89E 30 4.3b,4.3b
ISCJB X 05 22 52 10.5–.92 39.57N–.04 73.84E–.05 41–8 4.1b,4.3b
NEIC X 05 22 52 11.5–.38 39.57N 73.86E 35 4.1b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=12.6km s-min=10.1km az=110.0.
MOS Error ellipse: s-maj=10.7km s-min=6.0km az=90.6.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=6.5km az=36.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.1km az=121.0.
ISC X 05 23 07 02.4–1.9 39.43N–.04 73.84E–.09 12–12 3.9b 60 3-84
IDC X 05 23 06 59.9–.83 39.45N 74.01E 0 4.5s,4.5 **¶11710852**
NEIC X 05 23 07 05.5–.50 39.49N 73.83E 35 4.1b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=11.7km az=101.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.6km az=122.0.
ISC X 05 23 08 00.1–.84 39.53N–.05 73.74E–.07 37–8 4.1b 89 2-87
IDC X 05 23 07 53.8–.61 39.41N 73.86E 0 4.2,4.1b **¶12066072**
MOS X 05 23 07 56.5–1.3 39.50N 73.72E 23 4.7b,4.1b
ISCJB X 05 23 07 57.2–.90 39.51N–.05 73.80E–.06 33–9 4.1b,4.1b
NEIC X 05 23 07 59.8–.36 39.52N 73.73E 35 4.6b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=14.6km s-min=11.7km az=76.0.
MOS Error ellipse: s-maj=13.1km s-min=8.5km az=101.4.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.8km az=138.5.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.9km az=104.0.
ISC X 05 23 11 50.3–2.4 39.42N–.04 73.59E–.09 16–16 3.9b 40 3-84
IDC X 05 23 11 48.0–.35 39.40N 73.63E 0 4.0,3.8b **¶12066073**
ISCJB X 05 23 11 50.8–1.1 39.41N–.05 73.62E–.09 34–11 3.9b,3.8b
NEIC X 05 23 11 52.6–.28 39.46N 73.62E 35 3.9b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=8.9km s-min=5.3km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=8.2km az=15.3.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.3km az=106.0.
IDC X 05 23 15 24.2–.69 39.42N 73.40E 0 3.8b,3.7
NEIC X 05 23 15 35.7–.58 40.65N 73.54E 35 3.9b,3.7 **¶12066074**
IDC Error ellipse: s-maj=19.6km s-min=8.4km az=96.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.5km az=130.0.
ISC X 05 23 20 07.1–2.2 39.33N–.05 73.70E–.09 18–14 4.1b 39 3-82
IDC X 05 23 20 04.8–.64 39.38N 73.70E 0 4.0b,3.9 **¶11710853**
NEIC X 05 23 20 09.6–.61 39.45N 73.69E 35 4.6b,3.9
NNC X 05 23 20 14.5–4.2 39.92N 73.46E 0 3.7b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=8.9km az=96.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.6km az=123.0.
NNC Error ellipse: s-maj=42.2km s-min=21.9km az=177.0.
ISC X 05 23 37 37.1–1.6 38.9N–.10 73.8E–.10 35 3.8b 37 3-81
NEIC X 05 23 37 27.4–.60 38.11N 73.91E 35 3.7b **¶12066075**
IDC X 05 23 37 36.9–.65 39.18N 73.61E 0 4.0s,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.7km az=112.0.
IDC Error ellipse: s-maj=15.0km s-min=7.7km az=95.0.
ISC X 05 23 47 32.6–1.2 39.28N–.02 73.83E–.04 9–8 4.2b 190 2-137
IDC X 05 23 47 31.3–.68 39.39N 73.88E 0 4.4,4.3b **¶13396136**
ISCJB X 05 23 47 31.3–1.2 39.22N–.02 73.82E–.04 14–8 4.2b,4.3b
MOS X 05 23 47 32.8–1.4 39.35N 73.88E 25 4.5b,4.3b
NEIC X 05 23 47 35.7–.28 39.29N 73.92E 35 4.3b,4.3b
NNC X 05 23 47 39.2–2.9 39.91N 73.62E 0 4.5b,4.3
BJI X 05 23 47 40.2 39.64N 74.40E 20 4.0b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=13.0km s-min=12.2km az=169.0.
ISCJB Event type ke. Error ellipse: s-maj=5.4km s-min=3.3km az=3.1.
MOS Error ellipse: s-maj=9.3km s-min=5.2km az=106.5.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.4km az=58.0.
NNC Error ellipse: s-maj=28.3km s-min=16.4km az=168.0.
ISC X 06 00 46 24.5–1.4 39.44N–.03 73.60E–.04 35–10 4.2b 191 2-153
IDC X 06 00 46 18.4–.67 39.38N 73.93E 0 4.3,4.2b **¶13396140**
SZGRF X 06 00 46 23.1 39.60N 74.45E 33 4.4b,4.2b
NEIC X 06 00 46 24.0–.77 39.39N 73.68E 36–6 4.4b,4.2b
ISCJB X 06 00 46 24.9–.65 39.53N–.03 73.63E–.04 55–6 4.2b,4.2b
MOS X 06 00 46 24.3–.98 39.54N 73.73E 50 4.5b,4.2b
NNC X 06 00 46 25.7–6.1 39.47N 73.41E 0 4.4b,4.3
BJI X 06 00 46 29.3 39.70N 74.49E 38 4.5b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=11.5km az=109.0.
SZGRF Southern Xinjiang, China.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.9km az=167.0.
ISCJB Event type se. Error ellipse: s-maj=5.6km s-min=5.5km az=151.3.
MOS Error ellipse: s-maj=9.4km s-min=5.7km az=106.1.
NNC Error ellipse: s-maj=50.8km s-min=26.2km az=173.0.
ISC X 06 01 00 44.1–2.6 39.08N–.10 73.8E–.10 13–20 3.9b 35 3-68
ISCJB X 06 01 00 43.9–2.5 39.10N–.08 73.7E–.10 24–21 3.9b **¶11710865**
IDC X 06 01 00 43.1–3.5 39.43N 73.96E 0 4.1b,4.0
NEIC X 06 01 00 47.6–2.3 39.28N 73.88E 35 4.1b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.5km s-min=11.2km az=36.8.
IDC Error ellipse: s-maj=78.5km s-min=18.8km az=116.0.
NEIC Event type se. Error ellipse: s-maj=37.1km s-min=16.4km az=137.0.
ISC X 06 01 19 52.6–.61 39.19N–.04 73.62E–.07 10 3.8b 86 3-84
ISCJB X 06 01 19 51.0–.60 39.19N–.04 73.58E–.06 10 3.8b **¶13396145**
IDC X 06 01 19 52.0–.83 39.44N 73.81E 0 4.0,3.9
MOS X 06 01 19 55.5–1.6 39.39N 73.59E 33 4.4b,3.9
NNC X 06 01 19 57.2–7.1 39.59N 73.70E 0 4.0b,3.7
NEIC X 06 01 19 58.1–1.5 39.53N 73.65E 35 4.0b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.3km s-min=6.0km az=22.8.
IDC Error ellipse: s-maj=15.9km s-min=12.9km az=124.0.
MOS Error ellipse: s-maj=15.8km s-min=7.4km az=88.7.
NNC Error ellipse: s-maj=59.0km s-min=32.0km az=170.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=11.6km az=161.0.
ISC X 06 01 45 25.7–2.6 39.29N–.09 73.7E–.10 16–22 4.2b 33 2-68
IDC X 06 01 45 22.5–4.5 39.49N 74.03E 0 4.3b,4.3 **¶11710868**
ISCJB X 06 01 45 25.9–1.7 39.26N–.09 73.6E–.10 35–17 4.2b,4.3
NEIC X 06 01 45 29.4–1.8 39.47N 73.55E 35 4.2b,4.3
NNC X 06 01 45 30.0–13 39.57N 73.51E 0 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=107.4km s-min=18.6km az=114.0.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=13.0km az=23.0.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=13.2km az=145.0.
NNC Error ellipse: s-maj=107.3km s-min=52.0km az=169.0.
ISC X 06 02 07 23.8–1.7 39.3N–.10 73.5E–.10 35 25 3-14
NEIC X 06 02 07 23.4–10 39.36N 73.34E 35 **¶11710869**
NNC X 06 02 07 27.4–5.4 39.79N 73.81E 0 3.8b,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=128.0km s-min=22.4km az=172.0.
NNC Error ellipse: s-maj=43.5km s-min=26.0km az=164.0.
ISC X 06 02 14 53.7–1.8 39.30N–.05 73.58E–.07 10–12 3.9b 87 2-153
ISCJB X 06 02 14 51.2–1.7 39.28N–.05 73.58E–.07 6–12 3.9b **¶11710870**
IDC X 06 02 14 52.3–.86 39.47N 73.92E 0 4.0,3.8
BJI X 06 02 14 55.0 39.62N 73.85E 15 4.5b,4.3b
MOS X 06 02 14 56.2–1.6 39.50N 73.56E 49 4.2b,4.3b
NEIC X 06 02 14 57.8–1.6 39.55N 73.73E 35 4.2b,4.3b
NNC X 06 02 14 59.8–5.9 39.55N 73.25E 0 4.2,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=7.8km az=20.5.
IDC Error ellipse: s-maj=17.8km s-min=15.4km az=101.0.
MOS Error ellipse: s-maj=14.8km s-min=7.2km az=92.2.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=10.9km az=170.0.
NNC Error ellipse: s-maj=51.0km s-min=25.2km az=168.0.
ISC X 06 02 25 40.0–.79 39.24N–.07 73.60E–.07 10 3.8b 74 3-84
ISCJB X 06 02 25 38.4–.78 39.23N–.06 73.59E–.07 10 3.8b **¶11710871**
IDC X 06 02 25 38.3–1.3 39.43N 73.88E 0 4.0b,4.0
NEIC X 06 02 25 41.7–2.0 39.24N 73.89E 35 4.0b,4.0
NNC X 06 02 25 42.7–4.8 39.52N 73.67E 0 4.0b,3.9
MOS X 06 02 25 43.7–2.2 39.66N 73.82E 33 4.3b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=7.3km az=145.8.
IDC Error ellipse: s-maj=25.9km s-min=13.2km az=111.0.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=12.2km az=155.0.
NNC Error ellipse: s-maj=39.7km s-min=20.5km az=169.0.
MOS Error ellipse: s-maj=15.8km s-min=7.6km az=95.5.
ISC X 06 02 41 22.6–.92 39.14N–.06 73.57E–.09 35 3.8b 43 3-82
IDC X 06 02 41 18.7–1.2 39.44N 73.86E 0 3.9b,3.9 **¶11748126**
ISCJB X 06 02 41 20.7–.86 39.16N–.06 73.55E–.08 33 3.8b,3.9
NNC X 06 02 41 20.8–4.0 39.39N 73.74E 0 3.8b,3.5
NEIC X 06 02 41 24.3–1.2 39.44N 73.52E 35 3.8b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=16.7km az=96.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.6km az=30.2.
NNC Error ellipse: s-maj=31.5km s-min=15.7km az=163.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=14.6km az=136.0.
ISC X 06 02 50 22.5–2.2 39.24N–.05 73.6E–.10 7–14 3.8b 59 3-84
IDC X 06 02 50 21.8–.96 39.44N 73.77E 0 3.9,3.8b **¶12066089**
ISCJB X 06 02 50 22.2–2.3 39.23N–.05 73.6E–.10 16–16 3.8b,3.8b
MOS X 06 02 50 24.4–1.5 39.42N 73.49E 33 4.4b,3.8b
NEIC X 06 02 50 26.8–.76 39.35N 73.69E 35 4.4b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=17.5km az=123.0.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=8.9km az=11.9.
MOS Error ellipse: s-maj=21.3km s-min=9.6km az=84.9.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=11.1km az=124.0.
ISC X 06 03 29 21.5–.74 39.16N–.06 73.65E–.07 10 3.7b 86 3-84
ISCJB X 06 03 29 19.5–.73 39.12N–.06 73.69E–.07 10 3.7b **¶11748132**
NNC X 06 03 29 20.1–4.0 39.25N 73.73E 0 3.9b,3.7
IDC X 06 03 29 20.7–1.1 39.42N 73.96E 0 4.0,3.9b
MOS X 06 03 29 24.7–1.9 39.53N 73.78E 31 4.1b,3.9b
NEIC X 06 03 29 26.4–1.6 39.46N 73.70E 35 4.1b,3.9b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.9km s-min=6.9km az=137.1.
NNC Error ellipse: s-maj=32.7km s-min=18.4km az=166.0.
IDC Error ellipse: s-maj=21.0km s-min=19.0km az=101.0.
MOS Error ellipse: s-maj=14.5km s-min=7.2km az=95.1.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=11.8km az=164.0.
ISC X 06 03 54 40.2–.96 39.13N–.07 73.53E–.09 10 3.6b 43 3-82
ISCJB X 06 03 54 38.8–.94 39.14N–.06 73.53E–.09 10 3.6b **¶11710874**
IDC X 06 03 54 39.4–1.2 39.49N 73.90E 0 3.9b,3.9
NNC X 06 03 54 42.8–8.8 39.40N 73.69E 0 3.9b,3.5
NEIC X 06 03 54 44.5–1.1 39.33N 73.72E 35 3.9b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=8.3km az=38.9.
IDC Error ellipse: s-maj=25.6km s-min=15.7km az=116.0.
NNC Error ellipse: s-maj=73.7km s-min=34.4km az=161.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=13.8km az=117.0.
ISC X 06 05 18 15.5–.69 39.41N–.06 73.58E–.07 10 3.9b 94 3-84
ISCJB X 06 05 18 13.6–.68 39.39N–.06 73.62E–.07 10 3.9b **¶13396156**
IDC X 06 05 18 13.9–.93 39.46N 73.83E 0 4.1,4.0b
MOS X 06 05 18 16.3–1.6 39.50N 73.61E 28 3.9b,4.0b
NNC X 06 05 18 19.0–4.4 39.74N 73.71E 0 4.0b,3.8
NEIC X 06 05 18 19.3–.80 39.49N 73.67E 35 3.9b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=7.1km az=30.7.
IDC Error ellipse: s-maj=17.5km s-min=16.3km az=8.0.
MOS Error ellipse: s-maj=13.5km s-min=6.4km az=95.0.
NNC Error ellipse: s-maj=36.6km s-min=22.9km az=171.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.8km az=13.0.
ISC X 06 06 09 00.3–1.7 39.32N–.06 73.65E–.08 2–10 3.8b 67 3-84
IDC X 06 06 08 59.9–.92 39.40N 73.98E 0 4.0,3.9 **¶11710881**
NNC X 06 06 09 02.4–6.8 39.32N 73.41E 0 4.0b,3.8
MOS X 06 06 09 03.2–2.1 39.51N 73.62E 33 4.2b,3.8
NEIC X 06 06 09 05.3–.80 39.49N 73.78E 35 4.4b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=18.1km az=54.0.
NNC Error ellipse: s-maj=55.6km s-min=29.1km az=164.0.
MOS Error ellipse: s-maj=22.3km s-min=9.4km az=102.7.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=11.9km az=74.0.
IDC X 06 06 10 52.6–1.1 39.37N 73.81E 0 4.0,3.9b
¶12066099
IDC Error ellipse: s-maj=40.8km s-min=22.7km az=64.0.
NNC X 06 06 22 39.0–6.1 39.46N 73.47E 0 3.6b,3.2
¶11748139
NNC Error ellipse: s-maj=47.2km s-min=23.6km az=168.0.
ISC X 06 07 09 07.3–2.3 39.0N–.10 73.5E–.10 10 13 3-14
NNC X 06 07 09 09.6–3.9 39.29N 73.50E 0 3.7b,3.4 **¶11710883**
NNC Error ellipse: s-maj=30.8km s-min=16.9km az=5.0.
ISC X 06 07 27 51.6–.56 39.53N–.04 73.59E–.07 43–6 4.0b,3.0s 116 3-84
IDC X 06 07 27 44.8–.65 39.35N 73.77E 0 4.2,4.1 **¶13396163**
MOS X 06 07 27 48.7–1.2 39.50N 73.61E 33 4.5b,4.1
ISCJB X 06 07 27 49.9–.67 39.48N–.04 73.62E–.07 48–7 4.0b,3.0s
NEIC X 06 07 27 50.4–.53 39.49N 73.70E 35 4.3b,3.0s
NNC X 06 07 27 54.9–2.6 40.05N 73.38E 0 4.1,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=13.5km az=75.0.
MOS Error ellipse: s-maj=13.1km s-min=6.4km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=6.5km az=168.9.

NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.6km az=120.0.
NNC Error ellipse: s-maj=23.2km s-min=12.4km az=2.0.
ISC X 06 07 50 28.4–.18 39.55N–.02 73.90E–.03 10 4.6b,3.9s 365 2-153
NNC X 06 07 50 18.4–5.6 38.67N 73.58E 0 5.2,4.9b **¶13396165**
LDG X 06 07 50 24.7–.24 39.39N 74.04E 10–0 4.8b,3.5s
IDC X 06 07 50 26.4–.45 39.43N 73.89E 0 4.5,4.5
ISCJB X 06 07 50 26.7–.18 39.57N–.02 73.90E–.03 10 4.6b,3.9s
MOS X 06 07 50 29.8–1.1 39.48N 73.85E 33 5.0b,4.0s
NEIC X 06 07 50 31.0–.25 39.40N 73.98E 35 4.8b,3.9s
SZGRF X 06 07 50 32.6 39.89N 74.20E 33 5.0b,3.9s
BJI X 06 07 50 35.6 39.65N 74.56E 30 4.8b,4.7b
ISC Event type ke.
NNC Error ellipse: s-maj=50.6km s-min=28.8km az=159.0.
LDG Event type ke. Error ellipse: s-maj=15.4km s-min=8.5km az=33.0.
IDC Error ellipse: s-maj=10.5km s-min=9.8km az=55.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=150.6.
MOS Error ellipse: s-maj=7.5km s-min=4.8km az=118.8.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=50.0.
SZGRF Southern Xinjiang, China.
ISC X 06 08 03 06.8–.63 39.23N–.05 73.75E–.07 10 3.8b 82 3-84
ISCJB X 06 08 03 05.1–.62 39.22N–.05 73.70E–.07 10 3.8b **¶11710884**
IDC X 06 08 03 06.0–.88 39.42N 73.92E 0 4.1,3.9b
MOS X 06 08 03 09.7–1.4 39.53N 73.82E 33 4.3b,3.9b
NEIC X 06 08 03 11.4–.81 39.49N 73.82E 35 4.5b,3.9b
NNC X 06 08 03 13.6–3.9 39.87N 73.75E 0 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.2km s-min=6.4km az=25.7.
IDC Error ellipse: s-maj=18.1km s-min=15.6km az=167.0.
MOS Error ellipse: s-maj=16.2km s-min=8.7km az=95.6.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=11.8km az=173.0.
NNC Error ellipse: s-maj=38.3km s-min=19.2km az=157.0.
ISC X 06 08 23 20.1–3.4 39.0N–.20 73.5E–.10 10 13 3-14
NNC X 06 08 23 24.4–3.2 39.53N 73.82E 0 3.8b,3.5 **¶11710886**
NNC Error ellipse: s-maj=28.3km s-min=17.8km az=9.0.
NNC X 06 09 01 48.9–5.6 39.90N 73.60E 0 3.7b,3.3
¶11748148
NNC Error ellipse: s-maj=54.5km s-min=30.7km az=171.0.
ISC X 06 09 30 46.6–1.5 39.35N–.02 73.82E–.03 15–9 4.6b 316 2-153
LDG X 06 09 30 42.6–.14 39.25N 73.85E 10–0 4.8b **¶13396177**
ISCJB X 06 09 30 44.7–1.3 39.32N–.02 73.82E–.04 15–8 4.6b
IDC X 06 09 30 44.1–.54 39.43N 73.83E 0 4.5,4.4
NNC X 06 09 30 45.7–4.2 39.41N 73.58E 0 4.7b,4.7
MOS X 06 09 30 47.8–1.2 39.43N 73.78E 33 4.9b,4.7
BJI X 06 09 30 48.7 39.74N 74.29E 10 5.0b,4.5b
NEIC X 06 09 30 49.3–.27 39.41N 73.85E 35 4.8b,4.5b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=7.4km s-min=5.0km az=48.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.3km az=172.1.
IDC Error ellipse: s-maj=11.1km s-min=10.3km az=100.0.
NNC Error ellipse: s-maj=41.4km s-min=21.4km az=159.0.
MOS Error ellipse: s-maj=6.6km s-min=4.3km az=106.3.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.2km az=153.0.
ISC X 06 09 41 22.9–.84 39.54N–.06 73.20E–.08 35 3.9b 31 3-78
IDC X 06 09 41 17.0–2.7 39.55N 73.66E 0 4.1,4.0 **¶11710890**
ISCJB X 06 09 41 20.9–.83 39.52N–.06 73.19E–.08 33 3.9b,4.0
NEIC X 06 09 41 22.7–1.2 39.57N 73.29E 35 3.9b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=67.7km s-min=19.3km az=118.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=8.8km az=18.3.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=11.5km az=207.0.
ISC X 06 10 17 28.2–2.1 39.5N–.10 73.6E–.10 42–17 3.8b 33 3-84
IDC X 06 10 17 22.4–1.0 39.49N 74.03E 0 4.1,3.9b **¶11710893**
ISCJB X 06 10 17 28.2–2.0 39.6N–.10 73.7E–.10 55–16 3.8b,3.9b
NEIC X 06 10 17 32.1–2.3 39.88N 73.50E 35 3.8b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=15.4km az=95.0.
ISCJB Event type se. Error ellipse: s-maj=22.2km s-min=13.7km az=173.1.
NEIC Event type se. Error ellipse: s-maj=33.4km s-min=13.0km az=154.0.
ISC X 06 10 36 42.4–1.1 39.22N–.07 73.4E–.10 35 3.3b 24 3-82
NEIC X 06 10 36 39.3–2.1 39.00N 73.49E 35 3.3b **¶11748154**
IDC X 06 10 36 39.5–1.4 39.55N 73.88E 0 3.7,3.6
ISCJB X 06 10 36 40.6–1.1 39.23N–.07 73.39E–.10 33 3.3b,3.6
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 06 10 45 48.9–2.4 39.50N–.06 73.64E–.08 30–18 3.7b 52 3-84
IDC X 06 10 45 44.6–.90 39.63N 73.83E 0 3.9,3.8b **¶11710894**
ISCJB X 06 10 45 48.8–1.6 39.54N–.09 73.58E–.08 45–14 3.7b,3.8b
NEIC X 06 10 45 49.6–.53 39.55N 73.71E 35 3.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=11.7km az=88.0.
ISCJB Event type se. Error ellipse: s-maj=14.5km s-min=10.1km az=8.5.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.8km az=50.0.
ISC X 06 11 10 26.7–2.2 39.24N–.10 73.64E–.08 8–19 3.7b 37 3-72
NNC X 06 11 10 27.9–3.4 39.42N 73.67E 0 3.8b,3.4 **¶11710895**
IDC X 06 11 10 27.1–1.8 39.61N 73.74E 0 3.7b,3.6
NEIC X 06 11 10 31.8–2.0 39.52N 73.58E 35 3.7b,3.6
ISC Event type se.
NNC Error ellipse: s-maj=28.9km s-min=15.3km az=167.0.
IDC Error ellipse: s-maj=41.5km s-min=18.3km az=120.0.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=15.8km az=160.0.
ISC X 06 11 28 44.2–.64 39.30N–.06 73.45E–.08 10 3.8b 83 3-84
NNC X 06 11 28 39.6–6.7 39.02N 73.42E 0 3.9,3.9b **¶11710896**
ISCJB X 06 11 28 42.2–.62 39.23N–.06 73.45E–.07 10 3.8b,3.9b
IDC X 06 11 28 42.5–.74 39.35N 73.62E 0 4.0,3.9
MOS X 06 11 28 46.0–1.4 39.40N 73.45E 33 4.1b,3.9
NEIC X 06 11 28 49.5–1.5 39.56N 73.42E 35 4.1b,3.9
ISC Event type se.
NNC Error ellipse: s-maj=56.7km s-min=35.5km az=177.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=8.1km az=149.1.
IDC Error ellipse: s-maj=15.8km s-min=11.8km az=103.0.
MOS Error ellipse: s-maj=16.3km s-min=7.2km az=90.9.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=11.0km az=163.0.
ISC X 06 11 29 31.8–.92 39.65N–.09 73.8E–.10 35 3.7b 19 2-84
IDC X 06 11 29 26.4–1.2 39.62N 73.78E 0 3.8b,3.8 **¶12066141**
ISCJB X 06 11 29 29.8–.92 39.63N–.09 73.8E–.10 33 3.7b,3.8
NEIC X 06 11 29 31.7–.92 39.65N 73.78E 35 3.7b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=16.4km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=13.3km s-min=12.4km az=2.9.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=12.9km az=85.0.
ISC X 06 11 39 26.6–.90 39.14N–.08 73.32E–.09 10 3.7b 42 3-84
ISCJB X 06 11 39 25.0–.89 39.16N–.08 73.32E–.09 10 3.7b **¶11710897**
IDC X 06 11 39 26.1–1.1 39.42N 73.86E 0 3.9,3.8b
NEIC X 06 11 39 30.7–.90 39.35N 73.44E 35 3.9,3.8b
NNC X 06 11 39 31.6–7.7 39.67N 73.61E 0 3.8b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.3km s-min=9.1km az=33.0.
IDC Error ellipse: s-maj=25.4km s-min=17.1km az=69.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=11.1km az=200.0.
NNC Error ellipse: s-maj=75.2km s-min=48.0km az=164.0.
NEIC X 06 12 32 17.1–13 38.53N 73.34E 35
¶11748160
NEIC Event type se. Error ellipse: s-maj=163.0km s-min=19.1km az=170.0.
ISC X 06 12 41 42.0–3.2 38.4N–.20 73.9E–.20 35 20 4-15
NEIC X 06 12 41 37.8–6.7 38.13N 74.04E 35 3.3b **¶11710901**
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=77.5km s-min=17.5km az=174.0.
ISC X 06 13 20 30.0–2.4 39.0N–.20 73.6E–.10 10 13 3-14
NNC X 06 13 20 30.9–8.0 39.12N 73.37E 0 3.7b,3.3 **¶11748161**
NNC Error ellipse: s-maj=63.5km s-min=37.0km az=177.0.
ISC X 06 13 37 10.5–2.3 39.0N–.20 73.6E–.10 10 15 3-14
NNC X 06 13 37 11.6–6.5 39.18N 73.50E 0 3.8b,3.5 **¶11710903**
NNC Error ellipse: s-maj=55.5km s-min=28.4km az=164.0.
ISC X 06 14 20 27.6–2.3 39.61N–.07 73.36E–.06 4–14 3.9b,3.1s 107 3-85
IDC X 06 14 20 23.8–.80 39.44N 73.74E 0 4.1,4.0 **¶11710904**
MOS X 06 14 20 28.7–1.9 39.51N 73.57E 33 4.4b,4.0
NEIC X 06 14 20 29.0–.61 39.40N 73.63E 35 3.9b,4.0
NNC X 06 14 20 30.1–4.8 39.73N 73.69E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=12.8km az=110.0.
MOS Error ellipse: s-maj=10.0km s-min=5.8km az=93.3.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.7km az=136.0.
NNC Error ellipse: s-maj=44.6km s-min=23.6km az=175.0.
ISC X 06 15 35 15.8–.48 39.28N–.04 73.58E–.06 10 4.0b,2.7s 106 2-153
ISCJB X 06 15 35 13.8–.42 39.25N–.04 73.60E–.06 10 4.0b,2.7s **¶11331071**
IDC X 06 15 35 14.7–.71 39.46N 73.91E 0 4.0,3.9
NNC X 06 15 35 15.2–9.5 39.31N 73.69E 0 4.2b,4.1
BJI X 06 15 35 16.6 39.54N 73.61E 28 4.5b,4.3b
MOS X 06 15 35 17.7–1.7 39.40N 73.67E 33 4.1b,4.3b
NEIC X 06 15 35 19.9–.64 39.46N 73.70E 35 4.0b,4.3b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=9.3.
IDC Error ellipse: s-maj=16.8km s-min=12.2km az=79.0.
NNC Error ellipse: s-maj=93.6km s-min=55.2km az=158.0.
MOS Error ellipse: s-maj=11.8km s-min=6.1km az=92.1.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=9.8km az=81.0.
ISC X 06 15 47 38.7–1.2 39.22N–.08 73.4E–.20 35 3.3b 15 3-84
IDC X 06 15 47 34.2–1.9 39.41N 73.88E 0 3.4b,3.4 **¶11710909**
ISCJB X 06 15 47 36.8–1.2 39.22N–.08 73.3E–.20 33 3.3b,3.4
NEIC X 06 15 47 39.0–1.4 39.33N 73.68E 35 3.3b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=46.6km s-min=16.3km az=86.0.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=11.2km az=174.7.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=16.3km az=70.0.
ISC X 06 17 38 21.0–.97 39.26N–.08 73.7E–.10 35 3.8b 37 3-84
IDC X 06 17 38 16.3–1.3 39.41N 73.95E 0 3.8b,3.8 **¶11710914**
ISCJB X 06 17 38 18.4–.98 39.17N–.07 73.68E–.10 33 3.8b,3.8
NEIC X 06 17 38 21.4–1.2 39.38N 73.72E 35 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=16.0km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=10.4km az=39.8.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=13.9km az=154.0.
ISC X 06 17 46 44.3–.87 39.39N–.08 73.59E–.10 35 3.6b 37 3-84
NNC X 06 17 46 38.1–9.0 39.12N 73.46E 0 3.9b,3.7 **¶11710915**
IDC X 06 17 46 39.1–1.0 39.46N 73.80E 0 3.9,3.8b
ISCJB X 06 17 46 42.4–.87 39.36N–.08 73.52E–.10 33 3.6b,3.8b
NEIC X 06 17 46 44.2–.83 39.44N 73.73E 35 3.6b,3.8b
ISC Event type se.
NNC Error ellipse: s-maj=87.9km s-min=42.3km az=152.0.
IDC Error ellipse: s-maj=19.5km s-min=13.7km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=11.8km s-min=10.1km az=144.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.6km az=113.0.
ISC X 06 18 49 01.8–.97 39.65N–.07 73.58E–.07 52–9 3.8b 54 2-71
IDC X 06 18 48 53.4–1.2 39.45N 73.91E 0 4.0,3.9 **¶13396242**
NEIC X 06 18 48 59.8–1.0 39.53N 73.88E 44–9 3.6b,3.9
ISCJB X 06 18 49 00.2–.97 39.59N–.06 73.55E–.08 59–9 3.8b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 06 19 07 38.0–.81 39.3N–.20 73.5E–.20 35 3.7b 17 3-84
IDC X 06 19 07 33.0–1.1 39.20N 73.62E 0 3.8,3.7b **¶12066178**
ISCJB X 06 19 07 36.1–.81 39.3N–.20 73.5E–.20 33 3.7b,3.7b
NEIC X 06 19 07 38.0–.68 39.29N 73.55E 35 4.6b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=21.2km az=35.0.
ISCJB Event type se. Error ellipse: s-maj=29.1km s-min=13.0km az=39.8.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=12.7km az=39.0.
ISC X 06 20 33 43.0–4.4 39.26N–.09 73.7E–.10 16–29 3.7b 41 3-82
IDC X 06 20 33 39.7–1.3 39.38N 74.28E 0 3.9b,3.9 **¶11710920**
ISCJB X 06 20 33 42.1–2.8 39.23N–.08 73.7E–.10 23–22 3.7b,3.9
NEIC X 06 20 33 45.0–.83 39.33N 73.85E 35 3.7b,3.9
NNC X 06 20 33 50.1–6.1 39.94N 73.69E 0 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=19.1km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=11.7km az=139.3.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=12.3km az=115.0.
NNC Error ellipse: s-maj=60.8km s-min=36.4km az=170.0.
ISC X 06 20 50 16.2–3.5 39.5N–.30 73.8E–.20 58–30 3.6b 27 3-84
IDC X 06 20 50 08.8–1.4 39.50N 73.88E 0 3.5b,3.5 **¶12066190**
NEIC X 06 20 50 13.7–.94 39.35N 73.73E 35 3.5b,3.5
ISCJB X 06 20 50 14.9–3.7 39.5N–.30 73.7E–.20 61–30 3.6b,3.5
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC X 06 20 51 16.2–.59 39.61N–.08 73.9E–.10 10 3.8b 39 3-84
IDC X 06 20 51 14.5–.96 39.56N 74.16E 0 3.9,3.8b **¶13396257**
ISCJB X 06 20 51 15.0–.67 39.71N–.09 74.0E–.10 10 3.8b,3.8b
NEIC X 06 20 51 20.7–.79 39.45N 73.93E 35 4.2b,3.8b
NNC X 06 20 51 24.6–12 39.89N 73.44E 0 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=14.2km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=11.7km az=28.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=15.3km az=62.0.
NNC Error ellipse: s-maj=101.1km s-min=47.6km az=164.0.
ISC X 06 21 59 34.7–.62 39.50N–.07 73.96E–.09 35 3.6b 50 3-84
IDC X 06 21 59 28.8–1.0 39.48N 73.98E 0 3.8,3.7b **¶11710923**
ISCJB X 06 21 59 32.4–.61 39.40N–.06 73.94E–.08 33 3.6b,3.7b
NEIC X 06 21 59 35.6–.95 39.71N 74.19E 42–9 3.8b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=18.0km az=79.0.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=7.8km az=149.5.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.0km az=123.0.
ISC X 06 22 28 15.2–1.1 39.14N–.06 73.67E–.10 35 27 3-30
ISCJB X 06 22 28 13.6–1.1 39.16N–.06 73.67E–.10 33 **¶11710924**
NEIC X 06 22 28 14.2–1.4 39.13N 73.65E 35 3.5b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.8km s-min=8.7km az=174.0.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=14.7km az=65.0.
ISC X 06 23 15 54.1–3.5 38.8N–.30 73.6E–.20 35 10 3-14
NNC X 06 23 15 59.2–5.2 39.57N 73.84E 0 3.5b,3.2 **¶11710925**
NNC Error ellipse: s-maj=47.1km s-min=28.8km az=10.0.
ISC X 07 03 46 50.2–.29 38.12N–.02 74.21E–.05 158–4 4.4b 149 2-83
NNC X 07 03 46 48.9–14 38.10N 73.36E 111–176 4.7,4.1b **¶13396284**
ISCJB X 07 03 46 49.3–.29 38.13N–.02 74.19E–.05 163–4 4.4b,4.1b
MOS X 07 03 46 49.7–1.1 38.15N 74.17E 167 4.2b,4.1b
IDC X 07 03 46 49.4–2.8 38.09N 74.16E 147–25 4.0,3.9b
NEIC X 07 03 46 50.2–.49 38.11N 74.22E 160–6 4.4b,3.9b
ISC Event type se.
NNC Error ellipse: s-maj=120.3km s-min=67.6km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.4km az=177.5.
MOS Error ellipse: s-maj=13.8km s-min=5.9km az=96.6.
IDC Error ellipse: s-maj=20.7km s-min=19.6km az=74.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=66.0.
ISC X 07 06 13 33.7–.94 39.33N–.06 73.65E–.08 10 3.8b 46 3-84
ISCJB X 07 06 13 31.9–.94 39.31N–.06 73.63E–.08 10 3.8b **¶11710932**
IDC X 07 06 13 34.5–1.3 39.63N 73.50E 0 4.0,3.9b
NNC X 07 06 13 37.6–2.8 39.93N 73.69E 0 3.8b,3.4
NEIC X 07 06 13 39.5–2.5 39.66N 73.60E 35 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.4km s-min=7.7km az=41.8.
IDC Error ellipse: s-maj=29.3km s-min=19.7km az=152.0.

NNC Error ellipse: s-maj=22.5km s-min=10.2km az=171.0.
NEIC Event type se. Error ellipse: s-maj=34.7km s-min=13.1km az=161.0.
NNC X 07 07 59 59.6–4.3 39.74N 73.61E 0 3.4b,3.0
¶11710935

NNC Error ellipse: s-maj=39.0km s-min=20.3km az=10.0.
NNC X 07 08 14 07.5–5.5 39.20N 73.34E 0 3.5b,3.1
¶11710936

NNC Error ellipse: s-maj=44.3km s-min=26.2km az=172.0.
NNC X 07 09 11 29.3–4.3 39.86N 73.34E 0 3.4b,3.0
¶11710939

NNC Error ellipse: s-maj=39.4km s-min=19.8km az=9.0.
ISC X 07 11 23 04.0–1.9 39.23N–.05 73.77E–.06 7–12 3.9b 95 2-140
ISCJB X 07 11 23 03.3–2.0 39.22N–.05 73.77E–.07 15–15 3.9b **¶13396309**
IDC X 07 11 23 03.5–1.0 39.48N 73.99E 0 4.0,3.9b
MOS X 07 11 23 06.7–2.5 39.41N 73.68E 34 4.3b,3.9b
BJI X 07 11 23 06.6 39.69N 73.94E 15 4.5b,4.3s
NEIC X 07 11 23 08.5–.74 39.40N 73.90E 35 3.9b,4.3s
NNC X 07 11 23 09.7–5.5 39.85N 73.73E 0 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=8.2km az=27.3.
IDC Error ellipse: s-maj=18.7km s-min=15.3km az=116.0.
MOS Error ellipse: s-maj=13.2km s-min=6.2km az=90.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=10.2km az=166.0.
NNC Error ellipse: s-maj=47.9km s-min=25.7km az=179.0.
NNC X 07 13 57 13.8–4.8 39.72N 73.70E 0 3.5b,3.1
¶11748275

NNC Error ellipse: s-maj=39.4km s-min=26.4km az=179.0.
ISC X 07 15 06 41.8–1.4 39.44N–.05 73.53E–.06 6–9 3.6b,3.4s 96 3-90
NNC X 07 15 06 37.7–4.3 39.45N 73.79E 0 4.1b,3.7 **¶13396322**
ISCJB X 07 15 06 40.7–1.8 39.39N–.05 73.63E–.06 15–14 3.6b,3.4s
IDC X 07 15 06 40.0–1.1 39.46N 73.99E 0 3.9,3.8
MOS X 07 15 06 45.6–2.0 39.65N 73.70E 33 4.1b,3.8
NEIC X 07 15 06 45.6–.96 39.50N 73.89E 35 4.1b,3.8
ISC Event type se.
NNC Error ellipse: s-maj=35.5km s-min=16.7km az=178.0.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=7.2km az=138.7.
IDC Error ellipse: s-maj=20.9km s-min=15.0km az=112.0.
MOS Error ellipse: s-maj=12.1km s-min=5.9km az=87.7.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.3km az=143.0.
ISC X 07 16 59 58.9–1.5 39.57N–.09 73.39E–.08 10 32 3-151
ISCJB X 07 16 59 57.5–1.4 39.56N–.09 73.27E–.10 10 **¶11748283**
NNC X 07 17 00 01.8–4.9 39.98N 73.73E 0 3.8b,3.4
NEIC X 07 17 00 04.4–1.3 39.86N 73.59E 35 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.7km s-min=9.7km az=152.1.
NNC Error ellipse: s-maj=46.1km s-min=25.5km az=9.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=11.6km az=122.0.
NNC X 07 19 41 02.3–3.0 39.65N 73.38E 0 3.4b,3.1
¶11710961

NNC Error ellipse: s-maj=24.4km s-min=12.2km az=175.0.
ISC X 07 20 16 08.0–1.0 39.31N–.07 73.63E–.09 10 3.5b 37 3-68
ISCJB X 07 20 16 05.6–.81 39.25N–.05 73.58E–.09 10 3.5b **¶11710962**
IDC X 07 20 16 06.8–2.2 39.37N 73.82E 0 3.8b,3.8
NNC X 07 20 16 12.0–5.1 39.81N 73.59E 0 3.7b,3.3
NEIC X 07 20 16 14.2–1.1 39.67N 73.71E 35 3.7b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=6.4km az=28.3.
IDC Error ellipse: s-maj=72.2km s-min=32.2km az=166.0.
NNC Error ellipse: s-maj=47.7km s-min=26.3km az=14.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=11.1km az=123.0.
ISC X 07 22 08 05.9–.59 39.32N–.04 73.63E–.06 10 4.1b 44 3-78
ISCJB X 07 22 08 03.5–.64 39.26N–.04 73.72E–.08 10 4.1b **¶11710963**
IDC X 07 22 08 04.1–5.3 39.29N 73.74E 0 4.1b,4.0
NEIC X 07 22 08 08.6–.73 39.34N 73.74E 35 4.2b,4.0
NNC X 07 22 08 09.6–4.2 39.60N 73.58E 0 3.9b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=4.2km az=28.3.
IDC Error ellipse: s-maj=125.5km s-min=45.2km az=123.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=6.2km az=127.0.
NNC Error ellipse: s-maj=33.2km s-min=16.5km az=173.0.
ISC X 07 22 32 23.9–2.5 39.5N–.20 73.21E–.10 10 16 3-14
NNC X 07 22 32 22.4–6.7 39.63N 73.45E 0 3.6b,3.2 **¶11710964**
NNC Error ellipse: s-maj=52.4km s-min=25.5km az=172.0.
ISC X 07 23 13 16.8–.17 39.37N–.02 73.75E–.03 10 4.5b,3.6s 367 2-153
NNC X 07 23 13 10.4–4.0 39.02N 73.03E 0 4.7b,4.6 **¶13396346**
IDC X 07 23 13 14.6–.53 39.41N 73.88E 0 4.5,4.4
ISCJB X 07 23 13 14.8–.17 39.36N–.02 73.78E–.03 10 4.5b,3.6s
MOS X 07 23 13 16.2–1.4 39.38N 73.78E 20 4.7b,3.6s
BJI X 07 23 13 18.5 39.66N 73.76E 19 4.6b,4.4b
NEIC X 07 23 13 18.7–1.4 39.34N 73.82E 30–10 4.6b,4.4b
SZGRF X 07 23 13 20.5 39.61N 74.40E 33 4.6b,4.4b
ISC Event type se.
NNC Error ellipse: s-maj=33.2km s-min=19.1km az=5.0.
IDC Error ellipse: s-maj=11.2km s-min=9.4km az=109.0.
ISCJB Event type se. Error ellipse: s-maj=3.1km s-min=2.4km az=168.3.
MOS Error ellipse: s-maj=6.5km s-min=4.2km az=111.9.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=60.0.
SZGRF Southern Xinjiang, China.
ISC X 08 03 02 36.7–2.3 39.2N–.20 73.3E–.10 10 23 3-14
NEIC X 08 03 02 27.4–13 38.35N 73.33E 35 **¶11710968**
NNC X 08 03 02 47.1–2.6 40.23N 73.23E 0 3.6b,3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=155.0km s-min=17.2km az=171.0.
NNC Error ellipse: s-maj=27.1km s-min=11.6km az=167.0.
ISC X 08 04 53 58.2–.30 39.27N–.03 73.65E–.05 10 4.1b,3.6s 160 2-153
ISCJB X 08 04 53 56.8–.29 39.27N–.03 73.71E–.05 10 4.1b,3.6s **¶13396360**
IDC X 08 04 53 57.1–.73 39.40N 73.91E 0 4.3,4.1
BJI X 08 04 53 57.5 39.61N 73.72E 10 4.4b,4.4b
NNC X 08 04 53 59.4–4.8 39.39N 73.27E 0 4.4b,4.3
MOS X 08 04 53 59.8–1.1 39.33N 73.79E 33 4.4b,4.3
NEIC X 08 04 54 03.3–1.0 39.50N 73.75E 42–9 4.3b,4.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=3.3km az=158.7.
IDC Error ellipse: s-maj=15.2km s-min=11.5km az=105.0.
NNC Error ellipse: s-maj=39.7km s-min=17.3km az=175.0.
MOS Error ellipse: s-maj=11.1km s-min=5.8km az=90.1.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.0km az=157.0.
ISC X 08 05 33 55.8–1.5 39.65N–.09 73.78E–.09 10 34 2-14
ISCJB X 08 05 33 54.7–1.5 39.67N–.09 73.73E–.09 10 **¶11710974**
NNC X 08 05 33 54.1–3.9 39.62N 73.26E 0 3.7b,3.4
NEIC X 08 05 33 56.9–8.1 39.58N 73.78E 35 3.7b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=9.5km az=158.2.
NNC Error ellipse: s-maj=33.5km s-min=17.4km az=4.0.
NEIC Event type se. Error ellipse: s-maj=95.2km s-min=14.5km az=170.0.
ISC X 08 06 52 17.7–2.0 39.26N–.05 73.79E–.08 1–13 4.0b,3.6s 81 3-84
ISCJB X 08 06 52 17.7–1.7 39.24N–.05 73.78E–.08 13–11 3.9b,3.6s **¶13396369**
IDC X 08 06 52 18.0–.81 39.39N 73.98E 0 4.1,4.0b
MOS X 08 06 52 21.2–1.6 39.44N 73.87E 33 3.7b,4.0b
NEIC X 08 06 52 23.1–.72 39.43N 73.81E 35 3.7b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=7.2km az=28.5.
IDC Error ellipse: s-maj=14.8km s-min=12.0km az=98.0.
MOS Error ellipse: s-maj=18.0km s-min=9.5km az=84.8.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=10.4km az=128.0.
ISC X 08 07 23 37.2–2.9 39.36N–.08 73.46E–.09 19–19 3.5b 28 3-84
NEIC X 08 07 23 23.7–14 38.25N 73.64E 35 3.5b **¶11710979**
IDC X 08 07 23 34.3–1.2 39.50N 73.85E 0 3.9,3.7b
NNC X 08 07 23 37.8–2.2 39.66N 73.44E 0 3.7b,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=163.0km s-min=18.2km az=169.0.

IDC Error ellipse: s-maj=38.7km s-min=20.7km az=91.0.
NNC Error ellipse: s-maj=18.0km s-min=9.2km az=177.0.
ISC X 08 08 18 58.3–2.5 39.2N–.20 73.7E–.20 10 9 4-68
NNC X 08 08 18 50.7–2.9 38.81N 73.51E 0 3.5b,3.0 **¶12066320**
IDC X 08 08 18 54.6–2.6 37.06N 78.98E 0 4.2b,4.1
NNC Error ellipse: s-maj=29.5km s-min=17.3km az=173.0.
IDC Error ellipse: s-maj=49.6km s-min=29.1km az=98.0.
ISC X 08 13 00 02.3–.42 39.22N–.03 73.60E–.06 10 3.8b 87 2-84
BJI X 08 12 59 53.7 38.57N 73.33E 24 3.9b,3.7L **¶11710993**
ISCJB X 08 13 00 00.8–.41 39.19N–.03 73.58E–.06 10 3.8b,3.7L
IDC X 08 13 00 01.7–.78 39.43N 73.82E 0 4.0,3.9b
MOS X 08 13 00 04.6–1.1 39.44N 73.66E 33 4.6b,3.9b
NEIC X 08 13 00 07.6–1.7 39.48N 73.75E 43–15 4.5b,3.9b
NNC X 08 13 00 07.9–.78 39.78N 73.58E 0 4.1b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=2.4.
IDC Error ellipse: s-maj=15.9km s-min=12.2km az=80.0.
MOS Error ellipse: s-maj=18.3km s-min=8.2km az=92.5.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=8.6km az=201.0.
NNC Error ellipse: s-maj=7.4km s-min=3.3km az=11.0.
ISC X 08 13 19 01.9–.30 39.41N–.03 73.73E–.05 10 4.1b 153 2-84
ISCJB X 08 13 18 59.7–.29 39.36N–.02 73.70E–.05 10 4.1b **¶11339746**
IDC X 08 13 18 60.0–.64 39.52N 73.82E 0 4.1b,4.1
NNC X 08 13 19 02.9–.73 39.75N 73.63E 0 4.3b,4.2
BJI X 08 13 19 03.8 39.76N 73.80E 13 4.6b,4.4b
MOS X 08 13 19 03.0–1.4 39.44N 73.83E 33 4.3b,4.4b
NEIC X 08 13 19 05.3–.48 39.53N 73.83E 35 4.4b,4.4b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.3km az=168.2.
IDC Error ellipse: s-maj=12.8km s-min=11.8km az=86.0.
NNC Error ellipse: s-maj=7.3km s-min=3.0km az=13.0.
MOS Error ellipse: s-maj=11.3km s-min=5.8km az=91.2.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.8km az=143.0.
ISC X 08 14 07 17.8–1.1 39.35N–.08 73.66E–.08 10 3.9b 53 2-68
ISCJB X 08 14 07 15.1–1.0 39.22N–.07 73.68E–.09 10 3.9b **¶11710995**
IDC X 08 14 07 15.3–2.0 39.37N 73.98E 0 4.0b,3.9
NNC X 08 14 07 21.1–1.1 39.77N 73.60E 0 4.1b,3.8
NEIC X 08 14 07 23.7–.86 39.68N 73.71E 35 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=8.3km az=140.1.
IDC Error ellipse: s-maj=34.5km s-min=16.3km az=130.0.
NNC Error ellipse: s-maj=9.7km s-min=5.0km az=7.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=11.0km az=122.0.
ISC X 08 14 57 39.7–.32 39.41N–.03 73.75E–.05 10 4.1b,3.6s 154 2-84
ISCJB X 08 14 57 38.0–.32 39.39N–.03 73.78E–.05 10 4.1b,3.6s **¶13396408**
IDC X 08 14 57 38.4–.68 39.56N 73.97E 0 4.2,4.1
NNC X 08 14 57 40.4–1.8 39.75N 73.76E 0 4.4b,4.2
MOS X 08 14 57 42.2–1.5 39.58N 73.89E 33 4.2b,4.2
BJI X 08 14 57 43.7 39.72N 74.11E 25 4.6b,4.3b
NEIC X 08 14 57 44.4–.50 39.62N 73.93E 35 4.1b,4.3b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=5.6km s-min=3.4km az=160.0.
IDC Error ellipse: s-maj=13.9km s-min=11.6km az=86.0.
NNC Error ellipse: s-maj=17.1km s-min=7.6km az=7.0.
MOS Error ellipse: s-maj=10.7km s-min=5.6km az=93.2.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.2km az=132.0.
ISC X 08 19 51 09.1–4.4 39.3N–.30 73.5E–.10 10 18 3-14
NNC X 08 19 51 08.3–1.8 39.60N 73.75E 0 3.8b,3.4 **¶11711008**
NNC Error ellipse: s-maj=16.2km s-min=7.7km az=7.0.
ISC X 08 21 50 54.1–.46 39.41N–.04 73.82E–.07 10 3.8b 67 3-84
ISCJB X 08 21 50 52.3–.46 39.39N–.04 73.76E–.07 10 3.8b **¶11711013**
IDC X 08 21 50 52.4–.96 39.59N 73.96E 0 3.9,3.8b
NEIC X 08 21 50 57.5–.46 39.53N 73.78E 35 4.0b,3.8b
NNC X 08 21 50 60.0–1.4 40.05N 73.76E 0 3.7b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.8km s-min=4.8km az=23.1.
IDC Error ellipse: s-maj=20.8km s-min=14.4km az=104.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.3km az=119.0.
NNC Error ellipse: s-maj=13.5km s-min=5.5km az=8.0.
ISC X 08 23 05 02.1–.56 39.25N–.04 73.77E–.06 10 3.8b 89 2-84
ISCJB X 08 23 04 60.0–.55 39.20N–.04 73.74E–.06 10 3.8b **¶11711016**
IDC X 08 23 05 01.5–.98 39.45N 73.84E 0 3.9,3.8b
BJI X 08 23 05 01.0 39.46N 73.62E 11 3.4L,3.8b
MOS X 08 23 05 03.0–1.6 39.36N 73.72E 28 4.1b,3.8b
NEIC X 08 23 05 06.7–.76 39.47N 73.65E 35 3.9b,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.0km s-min=5.7km az=22.9.
IDC Error ellipse: s-maj=18.4km s-min=14.3km az=107.0.
MOS Error ellipse: s-maj=13.5km s-min=6.3km az=90.5.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=10.5km az=143.0.
ISC X 08 23 21 49.7–.24 39.69N–.02 73.79E–.03 10 4.1b,3.5s 266 2-153
IDC X 08 23 21 46.4–.58 39.55N 73.95E 0 4.2,4.2 **¶13396437**
ISCJB X 08 23 21 46.9–.23 39.59N–.02 73.91E–.03 10 4.1b,3.5s
BJI X 08 23 21 50.2 39.71N 73.93E 13 4.6b,4.4b
MOS X 08 23 21 51.1–1.3 39.68N 73.83E 33 4.4b,4.4b
NNC X 08 23 21 51.5–2.8 39.93N 73.65E 0 4.5b,4.3
NEIC X 08 23 21 53.2–.33 39.70N 73.78E 35 4.3b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=11.7km s-min=10.4km az=107.0.
ISCJB Event type se. Error ellipse: s-maj=3.6km s-min=3.2km az=3.3.
MOS Error ellipse: s-maj=7.4km s-min=4.9km az=102.7.
NNC Error ellipse: s-maj=27.4km s-min=12.1km az=174.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.2km az=144.0.
ISC X 08 23 31 14.9–1.1 39.34N–.02 73.68E–.03 1–7 4.5b,3.5s 427 2-84
LDG X 08 23 31 12.2–.37 39.22N 73.86E 10–0 4.7b,3.4s **¶13396439**
IDC X 08 23 31 14.3–.53 39.46N 73.86E 0 4.4,4.3
ISCJB X 08 23 31 16.6–.87 39.32N–.02 73.76E–.03 28–6 4.5b,3.5s
SZGRF X 08 23 31 17.8 39.24N 74.29E 33 4.7b,3.5s
NNC X 08 23 31 17.5–1.9 39.67N 73.57E 0 4.6b,4.4
MOS X 08 23 31 18.9–1.1 39.53N 73.61E 33 4.7b,4.4
NEIC X 08 23 31 21.3–.61 39.54N 73.56E 38–6 4.7b,4.4
BJI X 08 23 31 22.3 39.71N 74.30E 20 4.7b,4.3b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=18.8km s-min=6.0km az=164.0.
IDC Error ellipse: s-maj=11.0km s-min=9.0km az=107.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=169.4.
SZGRF Southern Xinjiang, China.
NNC Error ellipse: s-maj=17.7km s-min=7.9km az=9.0.
MOS Error ellipse: s-maj=6.3km s-min=4.0km az=123.3.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=200.0.
ISC X 09 01 41 53.0–1.5 39.10N–.08 73.78E–.09 10 30 2-5
NEIC X 09 01 42 10.5–7.0 40.25N 73.50E 35 **¶11711017**
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=82.1km s-min=17.1km az=178.0.
ISC X 09 03 13 44.3–.72 39.33N–.02 73.94E–.03 29–5 4.5b,4.0s 395 2-153
LDG X 09 03 13 38.0–.21 39.29N 74.06E 10–0 4.6b,3.7s **¶13396450**
IDC X 09 03 13 39.8–.45 39.37N 73.96E 0 4.5,4.5
ISCJB X 09 03 13 42.1–.70 39.28N–.02 73.91E–.03 27–5 4.5b,4.0s
MOS X 09 03 13 42.0–1.1 39.38N 73.98E 27 4.7b,4.0s
BJI X 09 03 13 42.8 39.68N 74.10E 17 4.8b,4.7L
NEIC X 09 03 13 45.3–.27 39.41N 73.92E 35 4.7b,4.7L
NNC X 09 03 13 46.5–1.9 39.76N 73.77E 0 5.0b,5.0
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=7.7km s-min=6.9km az=130.0.
IDC Error ellipse: s-maj=10.3km s-min=9.1km az=96.0.
ISCJB Event type ke. Error ellipse: s-maj=3.9km s-min=2.9km az=155.0.
MOS Error ellipse: s-maj=7.3km s-min=4.4km az=115.6.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=5.2km az=150.0.
NNC Error ellipse: s-maj=18.0km s-min=9.2km az=6.0.
ISC X 09 07 50 11.8–.49 39.23N–.03 73.66E–.08 10 3.7b 79 3-84
ISCJB X 09 07 50 10.6–.58 39.25N–.04 73.54E–.08 10 3.7b **¶11748415**

IDC X 09 07 50 10.7–.99 39.45N 73.95E 0 3.9b,3.9
MOS X 09 07 50 13.2–1.8 39.42N 73.69E 30 4.2b,3.9
NEIC X 09 07 50 16.0–.92 39.46N 73.78E 35 4.2b,3.9
NNC X 09 07 50 17.1–2.5 39.76N 73.84E 0 3.8b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.7km s-min=5.6km az=7.9.
IDC Error ellipse: s-maj=20.7km s-min=14.1km az=95.0.
MOS Error ellipse: s-maj=18.9km s-min=7.8km az=90.8.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=12.7km az=127.0.
NNC Error ellipse: s-maj=23.5km s-min=12.1km az=10.0.
ISC X 09 08 23 50.0–3.5 39.3N–.30 73.5E–.10 10 13 3-14
NNC X 09 08 23 56.6–4.2 39.98N 73.95E 0 3.6b,3.2 **¶11711025**
NNC Error ellipse: s-maj=38.0km s-min=20.3km az=4.0.
ISC X 09 11 11 29.3–.74 39.22N–.06 73.67E–.09 10 3.7b 50 3-84
ISCJB X 09 11 11 27.8–.74 39.20N–.06 73.61E–.09 10 3.7b **¶13396484**
IDC X 09 11 11 28.2–.91 39.43N 73.90E 0 3.9,3.8b
NEIC X 09 11 11 33.4–.90 39.42N 73.74E 35 3.9,3.8b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.2km s-min=8.7km az=171.1.
IDC Error ellipse: s-maj=18.1km s-min=14.2km az=94.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=12.6km az=147.0.
ISC X 09 14 43 20.1–1.2 39.42N–.02 73.89E–.03 16–8 4.6b,3.7s 361 2-153
LDG X 09 14 43 15.4–.22 39.31N 73.92E 10–0 4.6b,3.5s **¶13396492**
IDC X 09 14 43 17.4–.49 39.49N 73.99E 0 4.6,4.5
ISCJB X 09 14 43 19.3–1.1 39.39N–.02 73.92E–.03 26–8 4.6b,3.7s
MOS X 09 14 43 19.4–1.1 39.45N 73.93E 29 4.9b,3.7s
BJI X 09 14 43 20.3 39.64N 74.09E 18 4.7b,4.6b
NNC X 09 14 43 22.7–2.3 39.78N 73.80E 0 4.8b,4.7
NEIC X 09 14 43 22.6–.26 39.52N 73.91E 35 4.7b,4.7
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=10.3km s-min=8.4km az=20.0.
IDC Error ellipse: s-maj=10.7km s-min=10.1km az=73.0.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=147.7.
MOS Error ellipse: s-maj=7.5km s-min=4.5km az=119.7.
NNC Error ellipse: s-maj=20.8km s-min=10.0km az=8.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.5km az=165.0.
ISC X 09 15 02 41.7–2.3 39.4N–.10 73.8E–.10 42–22 3.6b 21 3-84
IDC X 09 15 02 35.1–1.1 39.49N 74.34E 0 3.9,3.8 **¶11748445**
NNC X 09 15 02 40.0–3.7 39.93N 74.16E 0 3.6b,3.4
ISCJB X 09 15 02 41.1–2.2 39.4N–.10 73.7E–.10 50–20 3.6b,3.4
ISC X 09 16 37 42.3–.65 39.18N–.05 73.61E–.07 35 3.7b 67 3-84
IDC X 09 16 37 38.0–.88 39.37N 73.75E 0 3.9,3.8 **¶11748449**
ISCJB X 09 16 37 40.5–.64 39.18N–.05 73.57E–.07 33 3.7b,3.8
NNC X 09 16 37 42.2–3.2 39.53N 73.74E 0 3.9b,3.8
NEIC X 09 16 37 43.2–.68 39.36N 73.62E 35 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=14.2km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=8.3km s-min=6.1km az=28.2.
NNC Error ellipse: s-maj=26.5km s-min=14.7km az=174.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=9.0km az=148.0.
ISC X 09 18 25 00.5–2.5 39.42N–.06 73.87E–.09 1–17 3.5b 36 3-84
ISCJB X 09 18 25 00.9–2.6 39.40N–.06 73.78E–.09 16–20 3.3b **¶11748453**
IDC X 09 18 25 00.3–1.1 39.43N 73.87E 0 3.6,3.5
NNC X 09 18 25 04.4–3.4 39.62N 73.76E 0 3.6b,3.2
NEIC X 09 18 25 05.3–.91 39.55N 73.81E 35 3.6b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.9km s-min=9.4km az=146.4.
IDC Error ellipse: s-maj=30.8km s-min=23.3km az=70.0.
NNC Error ellipse: s-maj=30.8km s-min=16.8km az=11.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=11.9km az=76.0.
ISC X 09 18 45 24.0–3.5 39.26N–.08 73.7E–.10 15–22 3.5b 40 3-84
IDC X 09 18 45 21.7–1.0 39.26N 73.88E 0 3.8b,3.8 **¶11711046**
NNC X 09 18 45 26.0–2.4 39.78N 74.07E 0–10 3.6b,3.2
NEIC X 09 18 45 27.0–.59 39.37N 73.81E 35 3.6b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=19.4km az=53.0.
NNC Error ellipse: s-maj=19.1km s-min=11.5km az=175.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.4km az=90.0.
ISC X 09 18 59 53.7–2.6 39.01N–.08 73.45E–.09 7–18 3.7b 41 3-82
ISCJB X 09 18 59 53.4–2.5 39.03N–.08 73.40E–.09 15–19 3.7b **¶11711047**
IDC X 09 18 59 53.6–1.5 39.24N 73.69E 0 3.9s,3.9
NNC X 09 18 59 55.5–2.9 39.62N 74.14E 0 3.7b,3.4
NEIC X 09 18 59 58.3–1.1 39.20N 73.54E 35 3.7b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.0km s-min=10.6km az=30.0.
IDC Error ellipse: s-maj=24.7km s-min=21.0km az=82.0.
NNC Error ellipse: s-maj=22.7km s-min=13.7km az=173.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=13.6km az=185.0.
ISC X 09 19 26 54.7–1.2 39.32N–.08 73.6E–.10 10 3.8b 34 3-68
IDC X 09 19 26 51.2–2.2 39.30N 74.04E 0 4.0b,3.9 **¶11711048**
ISCJB X 09 19 26 53.0–1.1 39.29N–.08 73.5E–.10 10 3.8b,3.9
NEIC X 09 19 26 56.7–1.8 39.31N 73.90E 35 3.8b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=39.1km s-min=18.6km az=127.0.
ISCJB Event type se. Error ellipse: s-maj=13.6km s-min=8.9km az=135.2.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=13.9km az=136.0.
ISC X 09 20 39 06.2–.92 39.53N–.07 73.69E–.07 47–9 3.6b 68 3-84
IDC X 09 20 38 60.0–.76 39.46N 73.88E 0 3.8,3.7b **¶11711049**
ISCJB X 09 20 39 04.5–.96 39.49N–.06 73.73E–.07 49–9 3.6b,3.7b
NEIC X 09 20 39 05.3–.49 39.46N 73.84E 35 3.6b,3.7b
NNC X 09 20 39 07.2–2.5 39.97N 73.85E 0 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=12.1km az=93.0.
ISCJB Event type se. Error ellipse: s-maj=10.6km s-min=8.0km az=25.5.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.4km az=111.0.
NNC Error ellipse: s-maj=23.4km s-min=11.4km az=179.0.
ISC X 09 22 34 39.4–.36 39.41N–.03 73.91E–.05 10 3.8b 120 2-84
ISCJB X 09 22 34 37.6–.36 39.41N–.03 73.89E–.05 10 3.8b **¶11711054**
IDC X 09 22 34 38.1–.87 39.45N 73.95E 0 3.9,3.8b
MOS X 09 22 34 39.2–1.3 39.42N 73.83E 21 4.3b,3.8b
BJI X 09 22 34 39.2 39.45N 73.60E 30 4.6b,4.3b
NEIC X 09 22 34 42.8–.38 39.45N 73.86E 35 4.0b,4.3b
NNC X 09 22 34 48.0–2.5 40.04N 74.02E 23–11 4.1b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=4.0km az=16.9.
IDC Error ellipse: s-maj=16.4km s-min=14.0km az=95.0.
MOS Error ellipse: s-maj=11.9km s-min=6.3km az=95.3.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.3km az=107.0.
NNC Error ellipse: s-maj=18.4km s-min=7.3km az=175.0.
ISC X 10 00 07 11.0–2.1 39.21N–.06 73.49E–.09 9–16 3.8b 39 3-82
ISCJB X 10 00 07 09.4–1.8 39.19N–.06 73.48E–.10 12–13 3.8b **¶11748457**
IDC X 10 00 07 09.6–1.5 39.38N 73.97E 0 3.8b,3.8
NEIC X 10 00 07 11.7–3.5 39.22N 73.54E 16–25 3.8b,3.8
NNC X 10 00 07 18.0–5.6 39.87N 73.65E 0 3.4b,3.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.9km s-min=8.1km az=33.0.
IDC Error ellipse: s-maj=33.8km s-min=18.6km az=82.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.3km az=130.0.
NNC Error ellipse: s-maj=58.3km s-min=30.6km az=159.0.
ISC X 10 00 31 31.4–3.5 39.1N–.30 73.5E–.20 10 10 3-14
NNC X 10 00 31 41.7–7.8 40.00N 73.82E 0 3.2b,2.8 **¶11711057**
NNC Error ellipse: s-maj=65.9km s-min=37.8km az=177.0.
ISC X 10 02 11 27.7–.54 39.72N–.04 73.52E–.08 50–9 3.7b 85 2-85
IDC X 10 02 11 17.5–.96 39.36N 74.15E 0 3.9b,3.9 **¶11711061**
MOS X 10 02 11 23.6–1.8 39.57N 73.65E 33 4.1b,3.9
NEIC X 10 02 11 24.3–1.1 39.48N 73.65E 35 4.1b,3.9
NNC X 10 02 11 24.6–4.9 39.77N 73.84E 0 3.9b,3.8
ISCJB X 10 02 11 26.1–.60 39.65N–.04 73.62E–.09 62–8 3.7b,3.8
BJI X 10 02 11 28.1 39.76N 74.64E 8 3.1L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=23.4km s-min=13.1km az=89.0.
MOS Error ellipse: s-maj=17.0km s-min=8.3km az=94.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=12.3km az=163.0.
NNC Error ellipse: s-maj=39.9km s-min=19.8km az=173.0.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=6.8km az=11.6.
ISC X 10 04 19 29.9–1.1 39.19N–.07 73.68E–.09 10 3.8b 39 3-68
NEIC X 10 04 19 24.9–3.6 38.69N 73.93E 35 4.0b **¶11711062**
IDC X 10 04 19 27.3–4.3 39.32N 74.21E 0 4.0b,3.9
ISCJB X 10 04 19 28.5–1.1 39.19N–.07 73.59E–.09 10 3.8b,3.9
NNC X 10 04 19 33.5–3.9 39.58N 73.81E 0 3.8b,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=45.1km s-min=17.6km az=162.0.
IDC Error ellipse: s-maj=108.0km s-min=21.2km az=113.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=8.9km az=39.7.
NNC Error ellipse: s-maj=34.7km s-min=20.9km az=10.0.
ISC X 10 05 57 42.3–2.4 39.1N–.20 73.5E–.10 10 14 3-14
NNC X 10 05 57 44.5–5.4 39.36N 73.56E 0 3.7b,3.3 **¶11711063**
NNC Error ellipse: s-maj=41.9km s-min=23.0km az=169.0.
ISC X 10 06 46 27.0–.70 39.28N–.05 73.55E–.08 10 3.5b 49 3-84
ISCJB X 10 06 46 25.6–.65 39.29N–.04 73.52E–.08 10 3.5b **¶11711065**
IDC X 10 06 46 25.6–1.0 39.47N 73.91E 0 3.9,3.8b
NEIC X 10 06 46 30.1–3.0 39.43N 73.65E 32–24 3.9,3.8b
NNC X 10 06 46 33.0–4.1 39.78N 73.70E 0 3.7b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=6.1km az=9.5.
IDC Error ellipse: s-maj=23.9km s-min=14.6km az=84.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.4km az=94.0.
NNC Error ellipse: s-maj=36.9km s-min=21.3km az=9.0.
ISC X 10 11 24 00.9–.75 39.17N–.07 73.46E–.09 10 3.6b 42 3-84
ISCJB X 10 11 23 59.2–.72 39.15N–.06 73.47E–.08 10 3.6b **¶11711066**
IDC X 10 11 23 59.9–.93 39.38N 73.82E 0 3.9,3.8b
NNC X 10 11 24 00.5–11 39.15N 73.44E 0 3.8b,3.8
NEIC X 10 11 24 06.8–1.6 39.69N 73.76E 35 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=8.8km az=178.5.
IDC Error ellipse: s-maj=20.1km s-min=12.0km az=97.0.
NNC Error ellipse: s-maj=93.3km s-min=52.2km az=165.0.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=16.4km az=173.0.
ISC X 10 13 25 54.9–1.8 39.3N–.10 73.7E–.10 10 23 3-14
NNC X 10 13 25 57.6–3.0 39.63N 73.83E 0 3.4b,3.0 **¶11711068**
NEIC X 10 13 26 02.7–10 39.76N 73.65E 35 3.4b,3.0
ISC Event type se.
NNC Error ellipse: s-maj=25.6km s-min=17.0km az=2.0.
NEIC Event type se. Error ellipse: s-maj=120.0km s-min=21.1km az=176.0.
ISC X 10 17 21 51.7–.49 39.57N–.03 73.67E–.07 36–7 3.6b 105 2-84
BJI X 10 17 21 30.6 37.96N 73.31E 30 4.6b,4.5b **¶11344794**
IDC X 10 17 21 46.1–.89 39.57N 73.96E 0 3.8,3.7b
MOS X 10 17 21 49.9–1.7 39.71N 73.82E 32 4.1b,3.7b
ISCJB X 10 17 21 49.5–.64 39.50N–.03 73.72E–.07 34–8 3.6b,3.7b
NNC X 10 17 21 51.1–3.7 39.81N 73.79E 0 3.9b,3.8
NEIC X 10 17 21 52.5–1.2 39.74N 73.84E 42–11 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=12.4km az=102.0.
MOS Error ellipse: s-maj=14.1km s-min=7.3km az=90.2.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=4.8km az=170.0.
NNC Error ellipse: s-maj=32.3km s-min=19.1km az=174.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.7km az=151.0.
ISC X 10 17 39 06.8–1.3 39.41N–.02 73.72E–.04 18–9 4.2b,3.8s 269 2-95
LDG X 10 17 39 01.5–.17 39.26N 73.81E 10–0 4.5b,3.8s **¶13396586**
ISCJB X 10 17 39 04.6–.68 39.35N–.02 73.71E–.04 17–5 4.2b,3.8s
IDC X 10 17 39 04.5–.55 39.47N 73.93E 0 4.2b,4.2
BJI X 10 17 39 05.6 39.92N 73.97E 9 4.7b,4.4b
NNC X 10 17 39 06.5–3.5 39.57N 73.88E 0 4.4b,4.4
MOS X 10 17 39 07.7–1.8 39.54N 73.85E 33 4.5b,4.4
NEIC X 10 17 39 09.4–.47 39.55N 73.78E 35 4.5b,4.4
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=8.0km s-min=5.9km az=32.0.
ISCJB Event type ke. Error ellipse: s-maj=4.6km s-min=3.4km az=173.7.
IDC Error ellipse: s-maj=11.0km s-min=9.4km az=106.0.
NNC Error ellipse: s-maj=32.1km s-min=18.7km az=0.0.
MOS Error ellipse: s-maj=7.5km s-min=4.6km az=101.6.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.9km az=152.0.
ISC X 10 20 22 41.2–1.9 39.53N–.05 73.66E–.07 20–14 3.7b 100 3-84
IDC X 10 20 22 36.3–.86 39.43N 73.98E 0 4.1,3.9b **¶11344969**
ISCJB X 10 20 22 38.3–2.1 39.34N–.05 73.70E–.07 25–15 3.7b,3.9b
MOS X 10 20 22 41.0–1.4 39.49N 73.81E 33 3.8b,3.9b
NNC X 10 20 22 41.2–4.7 39.73N 73.69E 0 3.9b,3.9
NEIC X 10 20 22 42.4–.77 39.56N 73.78E 35 3.9b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=14.0km az=81.0.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=8.6km az=33.2.
MOS Error ellipse: s-maj=13.6km s-min=6.8km az=84.3.
NNC Error ellipse: s-maj=46.6km s-min=28.6km az=164.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.4km az=126.0.
ISC X 10 23 52 57.9–1.9 39.34N–.05 73.80E–.06 19–12 3.8b 121 2-84
BJI X 10 23 52 53.9 39.61N 73.65E 10 4.7b,4.0s **¶13396609**
IDC X 10 23 52 54.7–.84 39.37N 74.00E 0 3.9,3.8
NNC X 10 23 52 58.3–4.2 39.55N 73.79E 0 4.2b,4.0
MOS X 10 23 52 59.2–1.5 39.54N 73.87E 33 4.1b,4.0
NEIC X 10 23 53 00.3–2.1 39.42N 73.87E 36–16 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=12.9km az=117.0.
NNC Error ellipse: s-maj=38.5km s-min=21.6km az=176.0.
MOS Error ellipse: s-maj=11.0km s-min=6.0km az=91.3.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=9.0km az=187.0.
ISC X 11 00 17 46.9–1.0 39.37N–.06 73.65E–.07 40–11 3.7b 54 3-84
IDC X 11 00 17 41.8–1.0 39.46N 73.88E 0 3.8b,3.7 **¶11711080**
ISCJB X 11 00 17 45.3–1.1 39.37N–.06 73.62E–.07 40–11 3.7b,3.7
NEIC X 11 00 17 46.9–.77 39.42N 73.73E 40–8 4.1b,3.7
NNC X 11 00 17 47.7–6.5 39.72N 73.50E 0 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=14.0km az=97.0.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=8.4km az=139.5.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.0km az=144.0.
NNC Error ellipse: s-maj=53.2km s-min=23.7km az=176.0.
ISC X 11 01 38 40.5–4.2 39.9N–.30 73.5E–.10 10 16 2-13
NNC X 11 01 38 35.2–3.0 39.74N 73.66E 0 3.4b,3.1 **¶11711081**
NNC Error ellipse: s-maj=27.2km s-min=14.0km az=10.0.
ISC X 11 02 01 44.3–.21 39.41N–.02 73.77E–.04 10 4.3b,3.6s 274 2-146
LDG X 11 02 01 41.0 39.42N 73.94E 10 4.3b,3.6s **¶13396616**
ISCJB X 11 02 01 42.4–.21 39.36N–.02 73.75E–.04 10 4.3b,3.6s
IDC X 11 02 01 42.8–.58 39.50N 73.84E 0 4.2,4.2
BJI X 11 02 01 44.3 39.72N 73.98E 12 4.8b,4.5b
MOS X 11 02 01 46.4–.91 39.54N 73.76E 33 4.6b,4.5b
NNC X 11 02 01 48.9–2.2 39.99N 73.64E 0 4.6b,4.4
NEIC X 11 02 01 48.4–.31 39.61N 73.82E 35 4.5b,4.4
ISC Event type ke.
LDG Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.0km s-min=3.2km az=160.5.
IDC Error ellipse: s-maj=11.7km s-min=9.6km az=112.0.
MOS Error ellipse: s-maj=7.9km s-min=5.2km az=115.6.
NNC Error ellipse: s-maj=19.0km s-min=9.4km az=175.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=5.2km az=140.0.
ISC X 11 06 02 19.8–1.6 38.90N–.10 73.7E–.10 10 26 3-14
NEIC X 11 06 02 18.2–15 38.62N 73.87E 35 **¶11711088**
NNC X 11 06 02 31.8–5.4 39.99N 73.42E 0 3.5b,3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=176.0km s-min=21.0km az=167.0.
NNC Error ellipse: s-maj=50.4km s-min=24.6km az=8.0.
ISC X 11 10 06 41.1–.65 39.30N–.05 73.53E–.07 35 3.9b 72 3-84
IDC X 11 10 06 36.3–.93 39.38N 73.66E 0 4.0b,4.0 **¶13396662**
ISCJB X 11 10 06 39.2–.62 39.28N–.05 73.55E–.07 33 3.9b,4.0

NNC X 11 10 06 39.1–4.8 39.64N 73.53E 0 3.8b,3.7
MOS X 11 10 06 40.7–2.1 39.50N 73.47E 33 4.3b,3.7
NEIC X 11 10 06 43.8–.88 39.63N 73.45E 35 4.3b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=16.3km az=106.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=6.4km az=19.0.
NNC Error ellipse: s-maj=41.1km s-min=27.3km az=7.0.
MOS Error ellipse: s-maj=15.1km s-min=7.4km az=87.3.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.8km az=134.0.
ISC X 11 15 17 00.5–1.3 39.39N–.02 73.74E–.04 3–8 4.3b,3.7s 242 2-84
ISCJB X 11 15 16 58.6–1.1 39.36N–.02 73.74E–.04 4–7 4.3b,3.7s **¶13396731**
LDG X 11 15 16 58.3–.14 39.44N 73.94E 10–0 4.4b,3.7s
MOS X 11 15 17 03.0–1.1 39.43N 73.81E 33 4.6b,3.7s
IDC X 11 15 17 03.2–5.2 39.56N 73.92E 20–33 4.1,4.0
NNC X 11 15 17 05.4–7.1 39.89N 73.73E 0 4.5b,4.3
NEIC X 11 15 17 05.8–.42 39.64N 73.80E 35 4.4b,4.3
BJI X 11 15 17 07.8 39.88N 74.50E 20 4.6b,4.4b
ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=155.8.
LDG Event type ke. Error ellipse: s-maj=6.6km s-min=4.8km az=2.0.
MOS Error ellipse: s-maj=8.6km s-min=5.4km az=111.9.
IDC Error ellipse: s-maj=12.5km s-min=12.3km az=113.0.
NNC Error ellipse: s-maj=60.4km s-min=30.3km az=178.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.1km az=141.0.
ISC X 11 23 41 48.4–1.6 39.24N–.10 73.72E–.09 10 27 3-14
NNC X 11 23 41 52.7–2.3 39.79N 73.55E 0 3.3b,2.9 **¶11711109**
NEIC X 11 23 42 04.3–6.9 40.33N 73.50E 35 3.3b,2.9
ISC Event type se.
NNC Error ellipse: s-maj=21.2km s-min=10.8km az=8.0.
NEIC Event type se. Error ellipse: s-maj=84.1km s-min=15.4km az=174.0.
ISC X 12 00 08 48.8–.99 39.34N–.06 73.56E–.08 10 3.7b 47 3-68
ISCJB X 12 00 08 46.8–.98 39.30N–.06 73.57E–.08 10 3.7b **¶11711110**
IDC X 12 00 08 46.8–2.0 39.51N 73.88E 0 3.9b,3.9
NNC X 12 00 08 52.3–1.1 39.96N 73.80E 0 3.9b,3.6
NEIC X 12 00 08 53.4–1.8 39.58N 73.55E 35 3.9b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=6.6km az=42.7.
IDC Error ellipse: s-maj=38.7km s-min=14.7km az=121.0.
NNC Error ellipse: s-maj=9.4km s-min=4.6km az=175.0.
NEIC Event type se. Error ellipse: s-maj=28.0km s-min=13.1km az=142.0.
ISC X 12 04 00 22.8–2.0 39.34N–.05 73.57E–.07 13–15 3.9b 46 3-82
NNC X 12 04 00 20.9–1.4 39.70N 74.03E 0 3.8b,3.4 **¶11711113**
IDC X 12 04 00 20.8–1.3 39.57N 74.10E 0 3.9b,3.9
ISCJB X 12 04 00 22.2–1.9 39.33N–.05 73.45E–.08 19–17 3.9b,3.9
NEIC X 12 04 00 25.0–.70 39.37N 73.73E 35 4.5b,3.9
ISC Event type se.
NNC Error ellipse: s-maj=11.4km s-min=7.5km az=0.0.
IDC Error ellipse: s-maj=28.2km s-min=14.1km az=100.0.
ISCJB Event type se. Error ellipse: s-maj=10.3km s-min=7.5km az=16.7.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.9km az=102.0.
ISC X 12 05 19 04.1–2.3 39.25N–.05 73.66E–.09 23–17 3.7b 43 3-84
IDC X 12 05 19 00.3–1.0 39.44N 73.86E 0 3.9b,3.9 **¶11711115**
ISCJB X 12 05 19 04.0–1.4 39.27N–.07 73.61E–.09 35–14 3.7b,3.9
NEIC X 12 05 19 05.6–.66 39.33N 73.60E 35 3.7b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=13.7km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=11.7km s-min=10.9km az=135.5.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.3km az=96.0.
ISC X 12 08 50 53.7–.43 39.73N–.03 73.48E–.06 10 3.8b 93 2-82
IDC X 12 08 50 49.0–1.1 39.43N 73.71E 0 4.0b,4.0 **¶13396810**
ISCJB X 12 08 50 50.9–.44 39.72N–.03 73.62E–.07 10 3.8b,4.0
MOS X 12 08 50 53.0–2.1 39.56N 73.43E 33 4.5b,4.0
NEIC X 12 08 50 54.8–.75 39.47N 73.69E 35 4.5b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=12.6km az=116.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=3.7km az=15.0.
MOS Error ellipse: s-maj=15.2km s-min=7.3km az=83.5.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.2km az=125.0.
ISC X 12 12 53 26.3–1.2 39.19N–.09 73.6E–.10 10 3.8b 31 3-82
ISCJB X 12 12 53 24.8–1.2 39.19N–.08 73.5E–.10 10 3.8b **¶11711122**
IDC X 12 12 53 25.4–1.5 39.44N 73.89E 0 3.8b,3.8
NEIC X 12 12 53 30.5–1.2 39.43N 73.64E 35 3.8b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=12.2km az=161.2.
IDC Error ellipse: s-maj=38.1km s-min=18.7km az=87.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=16.5km az=76.0.
ISC X 12 16 42 35.7–2.3 39.4N–.20 73.7E–.10 46–19 3.8b 45 3-82
IDC X 12 16 42 29.4–1.1 39.46N 73.72E 0 3.7b,3.7 **¶11711125**
ISCJB X 12 16 42 34.7–2.3 39.5N–.20 73.7E–.10 53–18 3.8b,3.7
NEIC X 12 16 42 35.3–1.8 39.46N 73.68E 41–14 3.8b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=13.6km az=121.0.
ISCJB Event type se. Error ellipse: s-maj=26.9km s-min=11.8km az=18.1.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=9.5km az=193.0.
ISC X 12 17 02 33.0–1.8 39.42N–.03 73.85E–.04 15–11 4.2b,3.5s 309 2-84
LDG X 12 17 02 29.3–.16 39.31N 73.89E 10–0 4.4b,3.4s **¶13396835**
IDC X 12 17 02 30.3–.59 39.47N 73.84E 0 4.3,4.2
NNC X 12 17 02 33.8–.75 39.81N 73.81E 0 4.5b,4.4
MOS X 12 17 02 33.6–.94 39.45N 73.91E 33 4.5b,4.4
NEIC X 12 17 02 35.6–.25 39.47N 73.91E 35 4.5b,4.4
BJI X 12 17 02 37.8 39.82N 74.41E 20 4.3b,4.2b
SZGRF X 12 17 02 48.9 39.99N 72.09E 33 4.4b,4.2b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=8.6km s-min=5.8km az=36.0.
IDC Error ellipse: s-maj=11.4km s-min=10.0km az=117.0.
NNC Error ellipse: s-maj=7.2km s-min=3.3km az=12.0.
MOS Error ellipse: s-maj=8.1km s-min=4.8km az=122.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.9km az=167.0.
SZGRF Kyrgyzstan.
ISC X 13 00 44 03.2–.29 39.30N–.02 73.59E–.05 10 4.0b 137 3-87
ISCJB X 13 00 44 01.5–.28 39.28N–.02 73.54E–.05 10 4.0b **¶13396870**
IDC X 13 00 44 01.6–.79 39.44N 73.67E 0 4.0,3.9b
MOS X 13 00 44 05.1–1.1 39.40N 73.68E 33 4.5b,3.9b
NNC X 13 00 44 06.0–4.0 39.53N 73.36E 0 4.1,4.0b
NEIC X 13 00 44 07.6–.33 39.48N 73.56E 35 4.2b,4.0b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=5.4km s-min=3.3km az=170.8.
IDC Error ellipse: s-maj=16.0km s-min=12.2km az=117.0.
MOS Error ellipse: s-maj=12.0km s-min=7.1km az=92.7.
NNC Error ellipse: s-maj=33.5km s-min=16.9km az=170.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.1km az=114.0.
ISC X 13 09 23 32.4–.77 39.54N–.02 73.88E–.02 17–4 4.9b,4.7s 662 2-153
SZGRF X 13 09 23 01.7 38.41N 79.76E 33 5.1b,4.7s **¶13396916**
LDG X 13 09 23 26.1–.26 39.24N 73.99E 10–0 4.9b,4.4s
IDC X 13 09 23 29.0–.43 39.50N 73.89E 0 4.8,4.8
ISCJB X 13 09 23 31.5–.75 39.50N–.02 73.85E–.02 23–5 4.9b,4.7s
MOS X 13 09 23 32.7–1.2 39.55N 73.81E 33 5.1b,4.5s
GCMT X 13 09 23 34.5–.30 39.54N 73.88E 21–1 5.1W,4.5s
BJI X 13 09 23 35.4 39.74N 74.37E 25 5.2L,5.2b
NEIC X 13 09 23 35.1–.20 39.58N 73.86E 35 5.0b,4.7s
DJA X 13 09 23 36 39.59N 73.93E 36 5.5b,4.7s
NNC X 13 09 23 37.9–6.2 39.94N 73.61E 17–26 5.4,5.3b
ISC Event type ke.
SZGRF Southern Xinjiang, China.
LDG Event type ke. Error ellipse: s-maj=21.4km s-min=8.7km az=46.0.
IDC Error ellipse: s-maj=9.8km s-min=8.6km az=117.0.
ISCJB Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=32.2.
MOS Error ellipse: s-maj=6.2km s-min=3.9km az=124.1.
GCMT Event type se. Data Used: IU IC CN II G. Moment Tensor Solution. s36,c45; s85,c127; Moment tensor: Scale 10^{16}Nm; M_{rr}0.63±.20 $M_{\theta\theta}$-5.36±.18; $M_{\phi\phi}$4.73±.16; $M_{r\theta}$1.34±.31; $M_{\theta\phi}$-1.20±.15; $M_{\theta r}$-0.98±.32; Best double couple: NP1:ϕ_s218.00000°,δ72.00000°,λ2.00000°. NP2:ϕ_s128.00000°,δ88.00000°,λ162.00000°. Principal axes: T 5.1600,Plg14.0000°,Azm82.0000°; N 0.5800,Plg72.0000°,Azm301.0000°; P -5.7400,Plg11.0000°,Azm174.0000° M_o5.50000×10^{16}
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.0km az=180.0.
NNC Error ellipse: s-maj=40.1km s-min=14.7km az=2.0.
ISC X 13 09 25 41.1–.76 39.51N–.05 73.73E–.03 51–6 4.9b,4.8s 295 2-153
SZGRF X 13 09 25 12.1 38.11N 78.20E 33 5.2b,4.8s **¶11346474**
IDC X 13 09 25 33.3–.56 39.38N 73.79E 0 4.9,4.7b
MOS X 13 09 25 34.7–1.1 39.06N 73.65E 33 5.1b,4.5s
BJI X 13 09 25 35.9 39.65N 73.44E 40 5.2b,5.1s
ISCJB X 13 09 25 38.7–.87 39.51N–.05 73.70E–.03 46–7 4.9b,4.8s
NEIC X 13 09 25 39.3–.33 39.51N 73.65E 35 5.0b,4.8s
ISC Event type se.
SZGRF Southern Xinjiang, China.
IDC Error ellipse: s-maj=12.9km s-min=11.2km az=149.0.
MOS Error ellipse: s-maj=9.7km s-min=5.8km az=121.3.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=4.2km az=3.1.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.4km az=188.0.
ISC X 13 12 23 44.3–2.3 39.4N–.20 73.6E–.10 10 18 3-14
NNC X 13 12 23 48.3–3.9 39.77N 73.53E 0 3.1b,2.6 **¶11711143**
NEIC X 13 12 24 10.2–4.1 41.20N 74.20E 35 3.1b,2.6
ISC Event type se.
NNC Error ellipse: s-maj=31.0km s-min=14.6km az=176.0.
NEIC Event type se. Error ellipse: s-maj=51.6km s-min=14.2km az=173.0.
ISC X 13 16 05 26.6–.29 39.49N–.02 73.85E–.02 47–2 5.2b,4.8s 1234 2-153
LDG X 13 16 05 17.6 39.34N 74.00E 10 5.2b,4.8s **¶13396940**
IDC X 13 16 05 19.7–.39 39.44N 73.87E 0 5.1,5.1
SZGRF X 13 16 05 21.6 39.56N 74.53E 33 5.3b,4.9s
BJI X 13 16 05 22.9 39.68N 73.79E 32 5.3b,5.2s
ISCJB X 13 16 05 23.8–.34 39.45N–.02 73.81E–.02 38–3 5.2b,4.8s
MOS X 13 16 05 23.5–.96 39.59N 73.86E 33 5.4b,4.8s
NNC X 13 16 05 24.4–1.9 39.68N 73.68E 0 5.6b,5.5
NEIC X 13 16 05 25.0–.12 39.50N 73.81E 35 5.2b,5.0W
GCMT X 13 16 05 25.0–.20 39.50N 73.69E 12 5.2W,5.0W
DJA X 13 16 05 27 39.46N 73.92E 44 5.5b,5.0W
BGS X 13 16 05 31.6–1.6 40.51N 73.40E 33–0 5.1b,5.0W
ISC Event type fe.
LDG Event type ke.
IDC Error ellipse: s-maj=9.7km s-min=8.5km az=113.0.
SZGRF Southern Xinjiang, China.
ISCJB Event type fe. Error ellipse: s-maj=2.7km s-min=2.0km az=22.3.
MOS Error ellipse: s-maj=5.6km s-min=3.1km az=131.9.
NNC Error ellipse: s-maj=17.2km s-min=8.5km az=9.0.
NEIC Event type fe. Error ellipse: s-maj=3.5km s-min=2.3km az=189.0. Felt at Murghob, Tajikistan. Moment Tensor Solution. M_o3.40000×10^{16}
GCMT Event type se. Data Used: IU II G CN IC. Moment Tensor Solution. s48,c73; s81,c144; Moment tensor: Scale 10^{16}Nm; M_{rr}3.45±.14 $M_{\theta\theta}$-4.59±.11; $M_{\phi\phi}$1.14±.13; $M_{r\theta}$4.55±.34; $M_{\theta\phi}$-4.27±.11; $M_{\theta r}$-0.34±.42; Best double couple: NP1:ϕ_s205.00000°,δ40.00000°,λ29.00000°. NP2:ϕ_s92.00000°,δ72.00000°,λ126.00000°. Principal axes: T 6.5000,Plg50.0000°,Azm42.0000°; N 1.7100,Plg34.0000°,Azm259.0000°; P -8.2000,Plg19.0000°,Azm156.0000° M_o7.40000×10^{16}
BGS Error ellipse: s-maj=448.8km s-min=656.7km az=-1.0.
ISC X 13 16 28 60.0–.78 39.22N–.07 73.59E–.08 10 3.7b 44 3-84
ISCJB X 13 16 28 58.3–.78 39.22N–.07 73.58E–.08 10 3.7b **¶11711148**
IDC X 13 16 28 58.9–.95 39.39N 73.91E 0 3.8b,3.8
NEIC X 13 16 29 04.1–.80 39.39N 73.72E 35 3.8b,3.8
NNC X 13 16 29 06.0–3.3 39.77N 73.78E 0 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.8km s-min=8.9km az=40.7.
IDC Error ellipse: s-maj=20.7km s-min=13.5km az=89.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=11.7km az=128.0.
NNC Error ellipse: s-maj=28.4km s-min=14.1km az=2.0.
ISC X 13 16 30 30.0–.82 39.38N–.09 73.8E–.10 10 3.5b 31 3-84
ISCJB X 13 16 30 28.1–.80 39.31N–.08 73.7E–.10 10 3.5b **¶12068560**
IDC X 13 16 30 28.7–.92 39.44N 73.98E 0 3.8,3.7b
NEIC X 13 16 30 33.8–.84 39.49N 73.92E 35 3.8,3.7b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=13.8km s-min=11.2km az=167.5.
IDC Error ellipse: s-maj=19.5km s-min=12.0km az=93.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=14.0km az=97.0.
NNC X 13 19 23 35.8–5.2 39.83N 73.80E 4–21 3.6b,3.2
¶11748756
NNC Error ellipse: s-maj=41.1km s-min=22.6km az=1.0.
ISC X 13 21 31 29.3–1.1 39.67N–.06 73.7E–.10 10 28 2-24
ISCJB X 13 21 31 27.4–1.0 39.63N–.05 73.7E–.10 10 **¶11711154**
NEIC X 13 21 31 27.8–.94 39.41N 73.77E 35 3.9b
NNC X 13 21 31 31.1–5.0 39.88N 73.85E 0–23 3.8b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.2km s-min=6.0km az=26.6.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=9.6km az=115.0.
NNC Error ellipse: s-maj=39.7km s-min=22.4km az=169.0.
ISC X 14 04 02 56.7–1.5 39.19N–.09 73.5E–.10 10 32 2-14
NEIC X 14 04 02 59.3–10 39.24N 73.53E 35 **¶11711164**
NNC X 14 04 03 00.8–3.1 39.68N 73.76E 0 3.5b,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=126.0km s-min=18.0km az=171.0.
NNC Error ellipse: s-maj=29.2km s-min=17.9km az=168.0.
ISC X 14 07 28 20.1–.42 39.64N–.03 73.69E–.06 10 3.8b,3.2s 119 2-84
IDC X 14 07 28 16.5–.90 39.31N 73.60E 0 3.9,3.9 **¶11711167**
ISCJB X 14 07 28 18.2–.42 39.68N–.03 73.53E–.06 10 3.8b,3.2s
NNC X 14 07 28 20.4–3.6 39.58N 73.62E 0 4.1b,4.1
NEIC X 14 07 28 21.9–.87 39.39N 73.45E 35 4.3b,4.1
MOS X 14 07 28 21.6–2.9 39.53N 73.33E 33 4.5b,4.1
BJI X 14 07 28 25.2 39.57N 74.16E 10 4.0b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=11.5km az=117.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=3.6km az=15.7.
NNC Error ellipse: s-maj=30.9km s-min=16.7km az=173.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.2km az=154.0.
MOS Error ellipse: s-maj=12.6km s-min=5.3km az=84.1.
ISC X 14 07 33 15.7–2.4 38.5N–.20 73.7E–.20 10 14 2-5
NNC X 14 07 33 31.2–5.7 39.86N 73.81E 0 4.0b,3.7 **¶11711168**
NNC Error ellipse: s-maj=56.4km s-min=29.5km az=163.0.
ISC X 14 07 51 04.1–.57 39.46N–.05 73.77E–.08 10 3.8b 87 2-84
ISCJB X 14 07 51 02.2–.56 39.43N–.05 73.78E–.08 10 3.8b **¶11711169**
IDC X 14 07 51 02.8–.79 39.59N 73.99E 0 3.9b,3.9
BJI X 14 07 51 05.8 39.90N 74.13E 10 4.0b,3.5L
MOS X 14 07 51 06.6–1.4 39.60N 73.88E 33 4.6b,3.5L
NNC X 14 07 51 07.2–4.4 39.83N 73.81E 0 3.8b,3.7
NEIC X 14 07 51 08.4–.64 39.67N 73.94E 35 4.5b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=6.9km az=178.9.
IDC Error ellipse: s-maj=16.6km s-min=11.5km az=95.0.
MOS Error ellipse: s-maj=16.1km s-min=7.1km az=88.6.
NNC Error ellipse: s-maj=42.3km s-min=24.2km az=168.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.5km az=105.0.
ISC X 14 08 17 49.0–.76 39.19N–.06 73.58E–.09 10 3.9b 55 2-84
ISCJB X 14 08 17 47.0–.76 39.16N–.06 73.68E–.08 10 3.9b **¶11711170**
IDC X 14 08 17 48.2–.97 39.42N 73.77E 0 4.0b,4.0
NNC X 14 08 17 48.0–3.4 39.22N 73.65E 0 3.7b,3.5
NEIC X 14 08 17 53.2–.87 39.39N 73.54E 35 3.7b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.1km s-min=7.9km az=150.5.
IDC Error ellipse: s-maj=20.7km s-min=11.7km az=103.0.
NNC Error ellipse: s-maj=29.9km s-min=19.5km az=15.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=11.7km az=129.0.
ISC X 14 17 50 59.6–2.6 38.7N–.20 73.4E–.20 10 16 3-5
NNC X 14 17 51 12.0–15 39.39N 73.16E 0 4.2b,3.8 **¶11711178**
NNC Error ellipse: s-maj=129.0km s-min=62.4km az=173.0.
ISC X 14 23 21 14.0–1.7 39.46N–.03 73.92E–.06 32–13 3.9b,3.1s 111 3-84
IDC X 14 23 21 09.0–1.0 39.40N 73.86E 0 3.9b,3.9 **¶13397102**
MOS X 14 23 21 12.7–1.4 39.44N 73.79E 33 4.2b,3.9

NEIC X 14 23 21 12.3–2.0 39.48N 73.93E 21–15 3.9b,3.9
ISCJB X 14 23 21 14.9–.74 39.58N–.04 73.86E–.06 52–7 3.9b,3.1s
NNC X 14 23 21 14.7–4.6 39.79N 73.79E 0 4.1b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=15.2km az=153.0.
MOS Error ellipse: s-maj=12.0km s-min=5.7km az=88.7.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=7.3km az=143.0.
ISCJB Event type se. Error ellipse: s-maj=8.0km s-min=6.3km az=26.4.
NNC Error ellipse: s-maj=39.7km s-min=21.9km az=170.0.
ISC X 15 04 28 19.6–2.5 39.8N–.20 73.29E–.09 10 16 2-15
NNC X 15 04 28 15.7–3.5 39.66N 73.45E 0 3.7b,3.4 **¶11711189**
NNC Error ellipse: s-maj=29.1km s-min=15.8km az=178.0.
ISC X 15 15 13 59.4–1.6 39.4N–.10 73.63E–.10 10 3.8b 34 3-39
NNC X 15 15 13 59.7–4.6 39.51N 73.36E 0 3.5b,3.0 **¶11711200**
IDC X 15 15 14 01.9–2.5 39.81N 73.68E 0 3.8b,3.5
NEIC X 15 15 14 09.2–2.3 40.05N 73.54E 35 3.8b,3.5
ISC Event type se.
NNC Error ellipse: s-maj=37.4km s-min=18.7km az=179.0.
IDC Error ellipse: s-maj=36.8km s-min=20.2km az=123.0.
NEIC Event type se. Error ellipse: s-maj=29.3km s-min=10.2km az=170.0.
ISC X 15 15 15 05.4–.74 39.18N–.07 73.5E–.10 10 3.7b 35 3-84
ISCJB X 15 15 15 03.5–.72 39.12N–.06 73.5E–.10 10 3.7b **¶11748875**
IDC X 15 15 15 04.4–.95 39.26N 73.70E 0 3.8b,3.8
NEIC X 15 15 15 09.6–.71 39.37N 73.60E 35 4.4b,3.8
NNC X 15 15 15 09.9–4.9 39.45N 73.09E 0 3.8b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.4km s-min=8.4km az=170.1.
IDC Error ellipse: s-maj=21.9km s-min=15.4km az=93.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.4km az=83.0.
NNC Error ellipse: s-maj=36.4km s-min=15.7km az=7.0.
ISC X 15 16 48 10.7–.52 39.40N–.04 73.57E–.06 10 3.8b,3.4s 80 3-84
ISCJB X 15 16 48 08.8–.52 39.34N–.04 73.66E–.06 10 3.8b,3.4s **¶13397170**
IDC X 15 16 48 08.5–.83 39.35N 73.91E 0 3.9,3.8
NNC X 15 16 48 12.1–2.9 39.67N 73.50E 0 4.0b,4.0
NEIC X 15 16 48 13.9–.61 39.48N 73.88E 35 4.2b,4.0
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.5km s-min=5.1km az=28.8.
IDC Error ellipse: s-maj=14.9km s-min=14.1km az=175.0.
NNC Error ellipse: s-maj=23.7km s-min=12.1km az=0.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=9.2km az=133.0.
ISC X 15 21 39 50.8–2.3 38.9N–.20 73.3E–.10 10 14 3-14
NNC X 15 21 39 53.7–5.0 39.32N 73.02E 0 3.3b,3.0 **¶11711209**
NNC Error ellipse: s-maj=40.1km s-min=22.7km az=3.0.
ISC X 16 05 10 33.6–.57 39.27N–.04 73.67E–.08 10 3.5b 41 3-82
ISCJB X 16 05 10 32.8–.59 39.29N–.04 73.61E–.08 10 3.5b **¶11711212**
IDC X 16 05 10 33.3–1.3 39.53N 73.99E 0 4.6s,4.6
NEIC X 16 05 10 34.7–1.1 39.41N 73.84E 10 4.4b,4.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=5.0km az=7.7.
IDC Error ellipse: s-maj=28.2km s-min=23.3km az=106.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=13.2km az=140.0.
ISC X 17 05 07 25.9–.86 39.27N–.06 73.8E–.10 35 3.7b,3.3s 43 2-82
IDC X 17 05 07 21.4–1.2 39.38N 73.90E 0 3.9b,3.9 **¶11711229**
ISCJB X 17 05 07 23.5–.82 39.24N–.05 73.85E–.10 33 3.6b,3.3s
NEIC X 17 05 07 26.9–1.0 39.48N 73.89E 35 3.6b,3.3s
NNC X 17 05 07 27.3–2.9 39.85N 73.76E 0 3.7b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=24.8km az=50.0.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=7.7km az=2.8.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=13.9km az=108.0.
NNC Error ellipse: s-maj=25.3km s-min=15.6km az=0.0.
ISC X 18 09 28 58.2–.93 39.36N–.02 73.72E–.03 0–6 4.8b,3.9s 494 2-153
LDG X 18 09 28 56.1–.13 39.32N 73.91E 10–0 4.9b,3.6s **¶13397404**
IDC X 18 09 28 58.0–.51 39.46N 73.87E 0 4.6,4.6
BJI X 18 09 28 58.0 39.65N 73.65E 5 4.6b,4.6b
ISCJB X 18 09 28 58.7–.67 39.30N–.02 73.71E–.03 16–5 4.7b,3.9s
NEIC X 18 09 28 60.0–1.8 39.36N 73.85E 16–12 4.9b,3.9s
NNC X 18 09 29 00.0–4.1 39.50N 73.73E 0 4.7b,4.5
MOS X 18 09 29 01.1–1.0 39.39N 73.76E 33 5.0b,4.0s
SZGRF X 18 09 29 11.1 39.50N 72.55E 33 4.8b,4.0s
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=7.7km s-min=4.7km az=35.0.
IDC Error ellipse: s-maj=10.6km s-min=8.2km az=118.0.
ISCJB Event type ke. Error ellipse: s-maj=3.7km s-min=3.1km az=154.4.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.4km az=57.0.
NNC Error ellipse: s-maj=36.8km s-min=21.2km az=9.0.
MOS Error ellipse: s-maj=6.1km s-min=3.7km az=116.8.
SZGRF Kyrgyzstan.
ISC X 18 18 53 40.3–1.6 39.38N–.03 73.80E–.05 10–11 4.1b,3.3s 180 2-84
ISCJB X 18 18 53 37.9–1.5 39.34N–.03 73.80E–.05 7–10 4.1b,3.3s **¶11711257**
IDC X 18 18 53 38.8–.66 39.53N 73.94E 0 4.1,4.0b
BJI X 18 18 53 39.7 39.95N 73.88E 11 4.2b,4.2b
MOS X 18 18 53 41.6–1.1 39.43N 73.87E 33 4.3b,4.2b
NEIC X 18 18 53 41.3–2.7 39.43N 73.85E 19–18 4.3b,4.2b
NNC X 18 18 53 44.9–2.7 39.86N 73.68E 0 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=4.9.
IDC Error ellipse: s-maj=12.5km s-min=10.9km az=114.0.
MOS Error ellipse: s-maj=10.0km s-min=5.9km az=95.5.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.9km az=61.0.
NNC Error ellipse: s-maj=25.7km s-min=13.4km az=170.0.
ISC X 19 01 42 17.6–2.7 39.6N–.20 73.26E–.10 3–14 16 3-14
NNC X 19 01 42 20.3–15 39.88N 73.54E 0 3.6b,3.2 **¶11711262**
NNC Error ellipse: s-maj=129.3km s-min=60.2km az=166.0.
ISC X 20 20 55 29.1–.99 39.39N–.07 73.68E–.08 40–11 3.8b 45 3-84
IDC X 20 20 55 23.2–1.0 39.47N 73.95E 0 3.9b,3.9 **¶11749139**
NNC X 20 20 55 25.3–1.1 39.86N 74.19E 0 4.0b,3.7
ISCJB X 20 20 55 27.5–1.0 39.40N–.06 73.64E–.08 44–11 3.8b,3.7
NEIC X 20 20 55 28.8–.94 39.44N 73.75E 39–10 3.8b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=13.2km az=94.0.
NNC Error ellipse: s-maj=10.2km s-min=5.0km az=179.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=10.7km az=7.6.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.9km az=126.0.
ISC X 20 21 50 59.8–.28 39.29N–.02 73.84E–.04 10 4.0b,3.5s 174 2-84
ISCJB X 20 21 50 58.1–.26 39.26N–.02 73.84E–.04 10 4.0b,3.5s **¶13397636**
BJI X 20 21 50 58.3 39.54N 73.70E 11 4.7b,4.2b
IDC X 20 21 50 58.7–.68 39.44N 73.96E 0 4.1,4.0
NEIC X 20 21 50 59.6–2.1 39.35N 73.99E 7–14 4.4b,4.0
MOS X 20 21 51 01.5–1.4 39.37N 73.94E 33 4.4b,4.0
NNC X 20 21 51 02.9–1.6 39.86N 73.94E 0 4.5b,4.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.7km s-min=2.8km az=176.1.
IDC Error ellipse: s-maj=13.0km s-min=11.5km az=70.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.8km az=68.0.
MOS Error ellipse: s-maj=10.0km s-min=5.0km az=92.5.
NNC Error ellipse: s-maj=14.0km s-min=7.0km az=177.0.
ISC X 21 03 00 58.2–1.6 39.29N–.09 73.60E–.10 10 27 2-14
ISCJB X 21 03 00 57.0–1.6 39.29N–.09 73.58E–.10 10 **¶11711296**
NEIC X 21 03 01 00.7–11 39.30N 73.60E 35
NNC X 21 03 01 02.5–3.7 39.69N 73.49E 6–16 3.5b,3.2
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.4km s-min=9.5km az=150.9.
NEIC Event type se. Error ellipse: s-maj=135.0km s-min=19.4km az=171.0.
NNC Error ellipse: s-maj=32.0km s-min=14.3km az=179.0.
ISC X 21 08 38 10.0–2.1 39.5N–.20 73.48E–.09 15–32 30 3-14
NNC X 21 08 38 05.8–3.5 39.38N 73.72E 0 3.8b,3.4 **¶11711300**
NEIC X 21 08 38 16.2–10 39.86N 73.66E 35 3.8b,3.4
ISC Event type se.
NNC Error ellipse: s-maj=27.0km s-min=13.7km az=169.0.
NEIC Event type se. Error ellipse: s-maj=117.0km s-min=21.3km az=176.0.

ISC X 21 15 23 52.2–5.9 38.2N–.50 73.50E–.09 10 17 2-16
NNC X 21 15 24 08.7–.78 39.82N 73.35E 0 3.6b,3.2 **¶11711307**
NNC Error ellipse: s-maj=7.5km s-min=3.8km az=172.0.
ISC X 21 16 06 07.0–1.9 39.4N–.10 73.7E–.10 10 15 3-14
NNC X 21 16 06 07.7–2.5 39.57N 73.71E 0 3.5b,3.0 **¶11711308**
NNC Error ellipse: s-maj=19.7km s-min=9.8km az=173.0.
ISC X 21 22 25 17.6–.72 39.44N–.04 73.81E–.08 10 3.8b 47 3-68
IDC X 21 22 25 11.0–4.1 39.27N 74.85E 0 4.2b,4.0 **¶11711313**
ISCJB X 21 22 25 15.8–.70 39.41N–.04 73.79E–.07 10 3.8b,4.0
NNC X 21 22 25 17.4–2.1 39.73N 74.06E 0 3.8b,3.6
NEIC X 21 22 25 19.5–1.3 39.46N 73.94E 35 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=88.9km s-min=22.2km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.7km az=29.4.
NNC Error ellipse: s-maj=17.1km s-min=9.0km az=178.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=10.0km az=122.0.
ISC X 21 23 46 52.0–.27 39.45N–.02 73.48E–.04 10 4.1b,3.2s 183 2-95
ISCJB X 21 23 46 50.1–.26 39.38N–.02 73.55E–.04 10 4.1b,3.2s **¶13397756**
IDC X 21 23 46 51.5–1.1 39.64N 73.32E 0 4.1b,4.1
NNC X 21 23 46 53.8–2.3 39.79N 73.36E 0 4.3b,4.3
NEIC X 21 23 46 54.3–.33 39.39N 73.68E 35 4.3b,4.3
MOS X 21 23 46 56.4–1.2 39.74N 73.27E 33 4.4b,4.3
BJI X 21 23 47 02.9 39.61N 74.44E 15 4.7b,4.1b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=4.1km s-min=3.2km az=7.9.
IDC Error ellipse: s-maj=20.4km s-min=11.3km az=139.0.
NNC Error ellipse: s-maj=21.7km s-min=9.6km az=13.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.8km az=65.0.
MOS Error ellipse: s-maj=9.9km s-min=5.2km az=90.3.
ISC X 22 14 36 52.4–2.7 38.6N–.20 73.58E–.09 10 14 2-5
¶15670446
ISC X 23 07 56 52.1–2.2 39.2N–.10 73.90E–.09 10 16 2-5
¶15670452
ISC X 24 01 34 49.3–1.1 39.26N–.07 73.73E–.09 10 3.8b 32 3-68
NEIC X 24 01 34 44.8–12 38.78N 73.85E 35 3.8b **¶11711355**
ISCJB X 24 01 34 47.7–1.1 39.24N–.07 73.70E–.09 10 3.8b
NNC X 24 01 34 50.7–3.5 39.55N 73.67E 0 3.8b,3.5
IDC X 24 01 35 06.0–2.6 40.18N 70.30E 0 4.1b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=143.0km s-min=18.2km az=169.0.
ISCJB Event type se. Error ellipse: s-maj=11.0km s-min=8.3km az=139.8.
NNC Error ellipse: s-maj=32.9km s-min=19.9km az=18.0.
IDC Error ellipse: s-maj=62.9km s-min=23.4km az=155.0.
ISC X 24 04 35 58.1–.50 39.62N–.03 73.44E–.06 10 3.8b 92 3-85
IDC X 24 04 35 52.2–.88 39.44N 73.93E 0 4.0,3.8b **¶11711359**
ISCJB X 24 04 35 56.7–.49 39.59N–.03 73.30E–.06 10 3.8b,3.8b
MOS X 24 04 35 56.2–1.4 39.44N 73.76E 33 4.1b,3.8b
NNC X 24 04 35 56.6–1.1 40.25N 74.39E 0 3.8b,3.6
NEIC X 24 04 35 57.9–.66 39.44N 73.92E 35 4.1b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=13.7km az=101.0.
ISCJB Event type se. Error ellipse: s-maj=6.9km s-min=4.0km az=24.9.
MOS Error ellipse: s-maj=17.0km s-min=6.9km az=86.3.
NNC Error ellipse: s-maj=60.4km s-min=7.8km az=45.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=8.1km az=119.0.
ISC X 24 16 29 05.7–1.8 39.45N–.04 73.64E–.07 15–12 3.7b 52 3-84
IDC X 24 16 29 02.7–.97 39.52N 73.90E 0 3.9,3.8b **¶11711368**
ISCJB X 24 16 29 05.6–.97 39.44N–.04 73.69E–.07 27–7 3.7b,3.8b
NEIC X 24 16 29 07.6–.89 39.45N 73.66E 35 3.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=13.0km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=9.7km s-min=5.9km az=18.5.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=12.0km az=99.0.
ISC X 25 11 31 21.8–1.7 39.22N–.05 73.58E–.07 5–11 3.8b 49 2-84
IDC X 25 11 31 21.2–1.0 39.26N 73.76E 0 3.9,3.8b **¶11711385**
ISCJB X 25 11 31 22.7–1.4 39.23N–.05 73.58E–.07 24–9 3.8b,3.8b
NNC X 25 11 31 26.0–3.2 39.58N 73.59E 2–12 3.8b,3.4
NEIC X 25 11 31 29.1–2.8 39.62N 73.55E 35 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=18.8km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=9.5km s-min=8.2km az=27.8.
NNC Error ellipse: s-maj=29.0km s-min=13.5km az=177.0.
NEIC Event type se. Error ellipse: s-maj=35.4km s-min=11.9km az=169.0.
ISC X 25 19 07 54.3–1.9 39.22N–.04 73.54E–.07 7–13 3.6b 69 3-84
ISCJB X 25 19 07 54.3–1.1 39.25N–.04 73.50E–.07 16–9 3.6b **¶11711400**
IDC X 25 19 07 54.1–.92 39.41N 73.63E 0 3.7b,3.7
NEIC X 25 19 07 58.1–3.5 39.44N 73.58E 27–27 3.7b,3.7
NNC X 25 19 08 00.2–1.3 39.71N 73.73E 0 4.0b,3.6
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.1km s-min=5.4km az=25.3.
IDC Error ellipse: s-maj=17.6km s-min=12.5km az=110.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.4km az=150.0.
NNC Error ellipse: s-maj=11.1km s-min=6.3km az=5.0.
ISC X 26 02 42 31.8–.46 39.53N–.04 73.97E–.06 10 3.9b 88 3-84
ISCJB X 26 02 42 29.9–.47 39.47N–.04 73.88E–.06 10 3.9b **¶11711405**
IDC X 26 02 42 29.6–.69 39.46N 74.07E 0 4.0,3.9b
NEIC X 26 02 42 31.6–3.9 39.48N 73.98E 11–25 4.0b,3.9b
NNC X 26 02 42 37.7–3.7 39.88N 73.77E 0 4.2b,4.1
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.8km s-min=5.5km az=4.2.
IDC Error ellipse: s-maj=13.0km s-min=10.6km az=107.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.4km az=166.0.
NNC Error ellipse: s-maj=32.5km s-min=17.3km az=1.0.
ISC X 26 03 06 28.5–2.8 39.0N–.30 73.6E–.10 7–36 13 3-14
NNC X 26 03 06 30.2–5.0 39.25N 73.64E 0 3.8b,3.5 **¶11749447**
NNC Error ellipse: s-maj=39.5km s-min=22.2km az=173.0.
ISC X 26 05 10 11.6–.63 39.58N–.05 73.72E–.08 10 3.6b 82 2-84
IDC X 26 05 10 09.6–.86 39.45N 73.84E 0 3.9,3.8 **¶11711409**
ISCJB X 26 05 10 10.3–.63 39.64N–.05 73.68E–.08 10 3.6b,3.8
MOS X 26 05 10 13.0–1.2 39.54N 73.63E 33 4.1b,3.8
NNC X 26 05 10 14.7–3.4 39.76N 73.65E 0 4.1b,3.9
NEIC X 26 05 10 16.5–1.6 39.76N 73.64E 35 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=11.3km az=104.0.
ISCJB Event type se. Error ellipse: s-maj=9.6km s-min=5.5km az=28.4.
MOS Error ellipse: s-maj=16.6km s-min=6.5km az=86.9.
NNC Error ellipse: s-maj=33.4km s-min=16.5km az=160.0.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=10.5km az=165.0.
ISC X 26 12 26 38.0–1.9 39.0N–.10 73.9E–.10 10 13 2-14
NNC X 26 12 26 45.7–5.1 39.67N 73.97E 0 3.7b,3.3 **¶11711421**
NNC Error ellipse: s-maj=43.2km s-min=27.1km az=5.0.
ISC X 26 17 41 55.4–3.6 39.0N–.20 73.2E–.20 10 13 2-5
¶15670474
ISC X 26 21 57 26.4–2.4 39.7N–.20 73.3E–.10 10 9 2-4
NNC X 26 21 57 22.8–1.9 39.61N 73.22E 0 3.7b,3.3 **¶11711429**
NNC Error ellipse: s-maj=17.9km s-min=9.0km az=164.0.
ISC X 27 10 09 03.9–.66 39.50N–.07 73.6E–.10 35 3.9b 28 3-84
IDC X 27 10 08 58.1–1.1 39.32N 73.83E 0 3.8,3.7b **¶11711437**
ISCJB X 27 10 09 01.9–.66 39.48N–.07 73.6E–.10 33 3.9b,3.7b
NEIC X 27 10 09 03.8–.66 39.51N 73.64E 35 3.9b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=20.2km az=52.0.
ISCJB Event type se. Error ellipse: s-maj=12.1km s-min=9.5km az=0.2.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.8km az=86.0.
ISC X 29 00 42 50.4–1.4 39.35N–.03 73.44E–.06 15–9 3.9b 72 3-84
IDC X 29 00 42 47.6–.99 39.43N 73.80E 0 3.9,3.9s **¶13398471**
NEIC X 29 00 42 52.7–2.2 39.40N 73.47E 35–17 4.1b,3.9s
NNC X 29 00 43 02.1–5.3 40.13N 73.44E 33–32 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=13.5km az=94.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=7.6km az=175.0.

NNC Error ellipse: s-maj=43.6km s-min=13.5km az=176.0.
ISC X 29 15 12 23.2–2.3 39.21N–.06 73.65E–.08 0–15 3.7b 48 3-84
NNC X 29 15 12 22.4–5.0 39.09N 73.36E 0 3.9b,3.7 ¶11711487
IDC X 29 15 12 23.6–.95 39.51N 73.97E 0 3.9,3.8b
NEIC X 29 15 12 28.9–.67 39.40N 73.83E 35 3.9,3.8b
ISC Event type se.
NNC Error ellipse: s-maj=40.1km s-min=23.3km az=174.0.
IDC Error ellipse: s-maj=22.3km s-min=16.0km az=91.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.4km az=112.0.
ISC X 29 22 46 17.3–.65 39.69N–.04 73.61E–.06 10 3.7b 50 2-82
ISCJB X 29 22 46 15.0–.63 39.63N–.04 73.65E–.07 10 3.7b ¶11711503
IDC X 29 22 46 14.7–1.4 39.48N 73.77E 0 3.8b,3.7
NEIC X 29 22 46 18.3–2.6 39.57N 73.70E 23–21 3.6b,3.7
NNC X 29 22 46 20.4–2.3 39.96N 73.87E 0 3.5b,3.3
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=5.9km az=24.0.
IDC Error ellipse: s-maj=29.4km s-min=22.1km az=130.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.1km az=143.0.
NNC Error ellipse: s-maj=20.4km s-min=11.5km az=2.0.
ISC X 30 10 44 59.5–.98 39.41N–.02 73.47E–.04 25–7 4.2b,3.6s 197 2-90
MOS X 30 10 44 54.9–1.4 39.49N 73.42E 33 4.4b,3.6s ¶13398630
IDC X 30 10 44 55.9–.65 39.50N 73.48E 0 4.2,4.2
BJI X 30 10 44 56.2 39.80N 73.41E 6 4.5L,4.5b
NEIC X 30 10 44 57.4–2.9 39.46N 73.45E 10–20 4.6b,4.5b
ISCJB X 30 10 44 59.4–.52 39.42N–.02 73.51E–.04 37–6 4.2b,3.6s
NNC X 30 10 45 01.8–2.6 39.87N 73.31E 0 4.6b,4.3
ISC Event type se.
MOS Error ellipse: s-maj=8.9km s-min=4.7km az=90.6.
IDC Error ellipse: s-maj=13.6km s-min=11.5km az=5.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.8km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=159.5.
NNC Error ellipse: s-maj=25.8km s-min=13.4km az=177.0.
ISC X 30 10 52 18.0–3.5 38.5N–.20 73.7E–.20 139–27 3.5b 10 5-81
ISCJB X 30 10 52 15.9–3.3 38.5N–.20 73.8E–.20 149–30 3.5b ¶11749699
IDC X 30 10 52 16.0–15 38.13N 74.03E 141–139 4.1L,3.5
ISCJB Error ellipse: s-maj=33.9km s-min=20.5km az=0.7.
IDC Error ellipse: s-maj=70.8km s-min=36.0km az=18.0.
ISC X 30 11 18 35.4–.86 39.23N–.06 73.4E–.10 10 3.5b 35 3-82
ISCJB X 30 11 18 33.9–.86 39.24N–.06 73.4E–.10 10 3.5b ¶11711522
IDC X 30 11 18 33.7–1.4 39.28N 73.52E 0 3.8,3.6b
NEIC X 30 11 18 35.9–1.8 39.29N 73.52E 10 3.8,3.6b
NNC X 30 11 18 39.7–3.4 39.68N 73.60E 0 3.7b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.5km s-min=7.4km az=23.0.
IDC Error ellipse: s-maj=33.7km s-min=26.3km az=68.0.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=14.4km az=187.0.
NNC Error ellipse: s-maj=32.4km s-min=19.1km az=173.0.
ISC X 30 13 40 34.8–.94 39.21N–.07 73.80E–.10 10 3.3b 37 3-84
ISCJB X 30 13 40 33.3–.94 39.20N–.07 73.77E–.10 10 3.3b ¶11711526
IDC X 30 13 40 33.7–1.8 39.43N 73.93E 0 3.5,3.4b
NNC X 30 13 40 36.3–4.9 39.46N 73.94E 0 3.8b,3.5
NEIC X 30 13 40 38.8–.81 39.39N 73.80E 35 3.8b,3.5
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=9.1km az=146.1.
IDC Error ellipse: s-maj=51.1km s-min=16.5km az=84.0.
NNC Error ellipse: s-maj=42.3km s-min=26.1km az=11.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.7km az=72.0.
ISC X 30 14 07 57.9–2.2 39.4N–.20 73.5E–.10 10 13 3-14
NNC X 30 14 08 00.6–5.8 39.81N 73.73E 0 3.5b,3.1 ¶11711528
NNC Error ellipse: s-maj=50.3km s-min=28.3km az=8.0.
ISC X 30 22 05 17.3–1.8 39.30N–.04 73.91E–.07 18–12 3.4b 52 3-84
IDC X 30 22 05 14.0–1.0 39.30N 73.83E 0 3.6,3.5b ¶11711537
ISCJB X 30 22 05 16.7–1.8 39.29N–.03 73.85E–.07 29–15 3.4b,3.5b
NNC X 30 22 05 18.6–3.0 39.62N 74.01E 0 3.7b,3.4
NEIC X 30 22 05 19.4–.45 39.41N 73.90E 35 3.7b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=20.7km az=137.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=5.4km az=17.5.
NNC Error ellipse: s-maj=25.9km s-min=15.5km az=7.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.9km az=108.0.
ISC X 31 00 39 11.3–.66 39.26N–.04 73.59E–.07 10 3.8b 49 2-68
ISCJB X 31 00 39 08.9–.66 39.20N–.04 73.67E–.07 10 3.8b ¶11749735
IDC X 31 00 39 09.4–3.6 39.24N 73.60E 0 3.8b,3.6
NEIC X 31 00 39 13.7–.99 39.26N 73.60E 35 3.8b,3.6
NNC X 31 00 39 16.3–4.2 39.85N 73.79E 0 3.6b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.6km az=28.3.
IDC Error ellipse: s-maj=86.5km s-min=24.0km az=147.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=8.8km az=128.0.
NNC Error ellipse: s-maj=35.2km s-min=17.8km az=173.0.
ISC X 31 19 18 29.6–.50 39.46N–.03 73.56E–.05 10 3.7b 92 3-84
ISCJB X 31 19 18 27.5–.48 39.37N–.03 73.61E–.05 10 3.7b ¶13398767
IDC X 31 19 18 27.8–.84 39.47N 73.86E 0 3.8b,3.8
NNC X 31 19 18 32.9–2.2 39.82N 73.60E 0 4.0b,3.8
NEIC X 31 19 18 36.2–1.0 39.73N 73.70E 62–9 3.6b,3.8
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.5km s-min=3.9km az=30.7.
IDC Error ellipse: s-maj=16.2km s-min=10.9km az=110.0.
NNC Error ellipse: s-maj=20.7km s-min=9.8km az=8.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.2km az=155.0.
ISC X 31 19 28 25.4–1.0 39.43N–.03 73.62E–.05 21–7 4.0b,3.6s 100 2-84
IDC X 31 19 28 21.8–.78 39.46N 73.92E 0 4.0,3.9 ¶13398769
NNC X 31 19 28 23.8–2.1 39.50N 73.49E 0 4.1b,3.9
ISCJB X 31 19 28 24.6–.94 39.40N–.03 73.60E–.05 31–7 4.0b,3.6s
BJI X 31 19 28 25.2 39.46N 73.79E 13 4.6b,3.9s
NEIC X 31 19 28 28.6–.53 39.50N 73.92E 49–6 3.7b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=10.6km az=102.0.
NNC Error ellipse: s-maj=18.1km s-min=9.5km az=5.0.
ISCJB Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=152.8.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=73.0.
ISC XI 01 13 25 52.2–.83 39.29N–.05 73.5E–.10 35 3.7b 41 3-84
IDC XI 01 13 25 47.5–1.1 39.41N 73.98E 0 3.8,3.6 ¶11749843
ISCJB XI 01 13 25 50.5–.78 39.29N–.05 73.57E–.09 33 3.7b,3.6
NEIC XI 01 13 25 53.6–.88 39.50N 73.55E 50 3.7b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=14.1km az=92.0.
ISCJB Event type se. Error ellipse: s-maj=10.5km s-min=7.0km az=12.9.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.4km az=97.0.
ISC XI 03 10 03 34.5–.85 39.52N–.05 73.78E–.06 49–8 3.9b 103 2-153
IDC XI 03 10 03 27.6–.77 39.41N 73.92E 0 4.0b,4.0 ¶13399088
BJI XI 03 10 03 30.1 38.94N 74.00E 8 4.3b,3.9b
MOS XI 03 10 03 30.3–.79 39.30N 73.80E 33 4.0b,3.9b
NNC XI 03 10 03 33.4–2.9 39.73N 73.80E 0 4.0b,3.8
ISCJB XI 03 10 03 33.7–.84 39.54N–.05 73.84E–.07 58–8 3.9b,3.8
NEIC XI 03 10 03 35.0–1.1 39.62N 73.75E 35 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=11.6km az=106.0.
MOS Error ellipse: s-maj=14.4km s-min=6.1km az=88.1.
NNC Error ellipse: s-maj=27.8km s-min=15.6km az=172.0.
ISCJB Event type se. Error ellipse: s-maj=8.8km s-min=8.1km az=30.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=10.1km az=142.0.
ISC XI 04 03 50 38.2–3.0 38.8N–.20 73.8E–.20 10 14 2-14
NNC XI 04 03 50 45.7–2.5 39.57N 73.62E 0 3.5b,3.2 ¶11711604
NNC Error ellipse: s-maj=22.4km s-min=12.5km az=9.0.
ISC XI 04 06 44 51.1–2.6 39.5N–.20 73.6E–.10 10 14 3-14
NNC XI 04 06 44 51.0–9.3 39.63N 73.80E 0 3.8b,3.4 ¶11711605
NNC Error ellipse: s-maj=73.7km s-min=38.4km az=171.0.
ISC XI 04 14 20 10.7–.89 39.45N–.06 73.8E–.10 44–11 3.4b 36 3-84
IDC XI 04 14 20 04.4–1.0 39.44N 73.81E 0 3.7s,3.7 ¶11711608
ISCJB XI 04 14 20 08.4–1.0 39.37N–.06 73.8E–.10 41–12 3.4b,3.7
NEIC XI 04 14 20 09.6–.89 39.47N 73.74E 35 3.4b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=13.1km az=98.0.
ISCJB Event type se. Error ellipse: s-maj=15.5km s-min=8.6km az=153.7.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=13.1km az=74.0.
ISC XI 04 15 46 51.2–2.5 39.32N–.05 73.36E–.06 14–16 4.0b,3.4s 120 3-90
ISCJB XI 04 15 46 47.0–1.6 39.18N–.03 73.41E–.06 2–11 4.0b,3.4s ¶13399215
IDC XI 04 15 46 48.4–.76 39.32N 73.65E 0 4.2,4.1
NNC XI 04 15 46 51.5–2.6 39.48N 73.19E 0 4.3,4.2b
MOS XI 04 15 46 51.4–2.0 39.30N 73.58E 33 4.3b,4.2b
NEIC XI 04 15 46 52.9–.45 39.27N 73.73E 35 4.1b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=7.7km s-min=5.2km az=167.0.
IDC Error ellipse: s-maj=14.9km s-min=11.8km az=114.0.
NNC Error ellipse: s-maj=21.9km s-min=12.2km az=1.0.
MOS Error ellipse: s-maj=12.5km s-min=5.9km az=88.1.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.3km az=60.0.
ISC XI 04 15 57 25.5–.41 38.18N–.03 73.33E–.06 118–6 3.8b 114 2-84
IDC XI 04 15 57 12.5–.80 37.87N 72.99E 0 3.9,3.8b ¶11750036
MOS XI 04 15 57 21.3–1.3 38.06N 73.00E 90 3.8b,3.8b
ISCJB XI 04 15 57 24.6–.43 38.19N–.03 73.36E–.06 124–7 3.8b,3.8b
NEIC XI 04 15 57 24.5–.82 38.12N 73.30E 103–10 4.7b,3.8b
NNC XI 04 15 57 33.3–4.7 38.75N 72.25E 164–54 3.9,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=15.4km az=43.0.
MOS Error ellipse: s-maj=14.8km s-min=8.2km az=95.2.
ISCJB Event type se. Error ellipse: s-maj=7.9km s-min=4.5km az=168.2.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.9km az=63.0.
NNC Error ellipse: s-maj=46.2km s-min=39.1km az=45.0.
ISC XI 06 01 05 52.8–1.4 39.20N–.08 73.4E–.10 35 3.9b 31 3-39
IDC XI 06 01 05 46.9–2.5 39.34N 74.25E 0 3.8b,3.7 ¶11711635
NEIC XI 06 01 05 57.3–3.1 39.72N 73.54E 35 3.8b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=36.1km s-min=21.8km az=127.0.
NEIC Event type se. Error ellipse: s-maj=41.5km s-min=18.3km az=154.0.
ISC XI 06 14 23 52.2–.14 39.46N–.02 74.00E–.02 35 4.6b,4.2s 425 2-153
LDG XI 06 14 23 45.6 39.38N 73.99E 10 4.6b,4.2s ¶13399423
IDC XI 06 14 23 47.0–.42 39.49N 73.99E 0 4.6,4.6
NNC XI 06 14 23 49.8–2.6 39.54N 73.92E 0 5.0b,4.8
ISCJB XI 06 14 23 50.2–.14 39.44N–.02 73.99E–.03 33 4.6b,4.2s
MOS XI 06 14 23 50.1–1.1 39.46N 74.01E 33 4.9b,4.1s
GCMT XI 06 14 23 50.2–.30 39.61N 73.98E 16–1 4.9W,4.1s
BJI XI 06 14 23 50.1 39.71N 74.04E 26 5.0L,4.9b
NEIC XI 06 14 23 51.8–.17 39.48N 74.02E 35 4.8b,4.2s
DJA XI 06 14 24 04 40.88N 73.22E 162 4.7b,4.2s
ISC Event type ke.
LDG Event type ke.
IDC Error ellipse: s-maj=9.2km s-min=8.2km az=111.0.
NNC Error ellipse: s-maj=22.6km s-min=12.5km az=175.0.
ISCJB Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=141.7.
MOS Error ellipse: s-maj=6.4km s-min=4.1km az=116.6.
GCMT Event type se. Data Used: IU II G IC CN. Moment Tensor Solution. s24,c30; s67,c105; Moment tensor: Scale 10^{16}Nm; M_{rr}2.16±.15 $M_{\theta\theta}$-1.62±.10; $M_{\phi\phi}$-0.54±.09; $M_{r\theta}$0.79±.28; $M_{\theta\theta}$-1.20±.06; $M_{\theta\theta}$2.30±.38; Best double couple: NP1:ϕ_s258.00000°,δ28.00000°,λ132.00000°. NP2:ϕ_s32.00000°,δ69.00000°,λ70.00000°. Principal axes: T 3.4800,Plg60.0000° ,Azm272.0000°; N -0.3000,Plg19.0000°,Azm39.0000°; P -3.1800,Plg22.0000° ,Azm137.0000° M_o3.30000×10^{16}
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.3km az=221.0.
ISC XI 06 17 33 13.4–.69 39.30N–.07 73.86E–.08 10 3.8b 60 3-84
ISCJB XI 06 17 33 11.4–.70 39.26N–.07 73.83E–.08 10 3.8b ¶13399433
IDC XI 06 17 33 11.9–.81 39.41N 73.97E 0 3.9,3.8b
NNC XI 06 17 33 16.3–2.1 39.65N 73.83E 0 4.0b,3.9
NEIC XI 06 17 33 17.3–.75 39.51N 73.92E 35 4.0b,3.9
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.4km s-min=8.5km az=148.4.
IDC Error ellipse: s-maj=15.5km s-min=12.8km az=133.0.
NNC Error ellipse: s-maj=19.8km s-min=10.9km az=162.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.6km az=152.0.
ISC XI 06 20 59 45.3–2.4 39.26N–.05 73.86E–.08 7–16 3.6b 55 3-84
IDC XI 06 20 59 44.3–.86 39.43N 74.04E 0 3.8,3.7b ¶11711649
NNC XI 06 20 59 45.0–4.8 39.53N 74.13E 0 3.6b,3.4
NEIC XI 06 20 59 49.0–.56 39.36N 73.91E 35 3.6b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=14.0km az=96.0.
NNC Error ellipse: s-maj=37.7km s-min=20.1km az=169.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.6km az=119.0.
ISC XI 06 21 18 43.6–1.7 39.36N–.06 73.62E–.07 0–10 3.7b 59 3-84
IDC XI 06 21 18 42.8–.93 39.41N 73.95E 0 3.8,3.7b ¶11711651
NNC XI 06 21 18 44.0–10 39.12N 73.36E 0 3.9b,3.7
NEIC XI 06 21 18 48.5–.84 39.49N 73.79E 35 3.9b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=13.3km az=108.0.
NNC Error ellipse: s-maj=93.3km s-min=44.1km az=162.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=12.2km az=173.0.
ISC XI 07 09 50 29.7–.80 39.64N–.06 73.48E–.07 10 3.8b 37 2-84
IDC XI 07 09 50 23.7–1.3 39.43N 73.92E 0 3.8b,3.8 ¶11750191
ISCJB XI 07 09 50 28.5–.69 39.63N–.05 73.34E–.08 10 3.8b,3.8
NEIC XI 07 09 50 28.4–.90 39.35N 73.70E 35 3.8b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=18.4km az=77.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=6.8km az=167.8.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=11.6km az=46.0.
ISC XI 07 15 37 50.7–2.4 39.5N–.20 73.8E–.10 10 17 2-14
ISCJB XI 07 15 37 47.9–2.9 39.4N–.20 73.9E–.20 10 ¶11711667
NNC XI 07 15 37 50.5–2.0 39.61N 73.79E 0 3.9b,3.4
ISCJB Error ellipse: s-maj=29.5km s-min=13.9km az=158.3.
NNC Error ellipse: s-maj=15.7km s-min=8.0km az=168.0.
ISC XI 07 23 13 33.1–2.3 39.28N–.08 73.73E–.10 15–17 3.7b 23 3-68
IDC XI 07 23 13 31.8–2.1 39.55N 73.60E 0 3.7b,3.6 ¶11750232
ISCJB XI 07 23 13 33.3–2.1 39.28N–.10 73.8E–.10 34–20 3.7b,3.6
NNC XI 07 23 13 35.4–2.8 39.64N 73.76E 0 3.2b,2.8
NEIC XI 07 23 13 35.5–1.6 39.32N 73.80E 35 3.2b,2.8
ISC Event type se.
IDC Error ellipse: s-maj=41.6km s-min=16.7km az=133.0.
ISCJB Event type se. Error ellipse: s-maj=16.7km s-min=13.4km az=3.2.
NNC Error ellipse: s-maj=22.6km s-min=11.1km az=170.0.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=12.8km az=143.0.
ISC XI 08 01 30 43.7–.73 39.44N–.02 73.84E–.03 21–6 4.3b,3.5s 249 2-146
IDC XI 08 01 30 39.8–.62 39.40N 73.90E 0 4.4,4.3 ¶11406474
BJI XI 08 01 30 40.7 39.85N 73.74E 10 4.8b,4.4b
ISCJB XI 08 01 30 43.0–.66 39.41N–.02 73.86E–.03 32–5 4.3b,3.5s
NNC XI 08 01 30 43.0–1.9 39.64N 73.67E 0 4.5,4.5b
MOS XI 08 01 30 43.5–.92 39.44N 73.92E 33 4.6b,4.5b
NEIC XI 08 01 30 44.2–1.4 39.48N 73.95E 27–10 4.5b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=11.0km az=105.0.
ISCJB Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=169.0.
NNC Error ellipse: s-maj=16.2km s-min=8.8km az=179.0.
MOS Error ellipse: s-maj=8.1km s-min=5.1km az=101.6.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.9km az=55.0.
ISC XI 09 19 22 49.1–.86 39.43N–.02 73.70E–.04 27–6 4.3b,3.4s 238 2-153
LDG XI 09 19 22 43.1–.12 39.22N 73.86E 10–0 4.4b,3.1s ¶13399679
IDC XI 09 19 22 44.5–.59 39.40N 73.89E 0 4.4,4.3
NNC XI 09 19 22 47.2–2.3 39.60N 73.60E 0 4.6,4.6b
ISCJB XI 09 19 22 48.8–.53 39.38N–.03 73.83E–.05 44–5 4.3b,3.4s
MOS XI 09 19 22 48.3–1.2 39.49N 73.77E 33 4.5b,3.4s
NEIC XI 09 19 22 49.4–.23 39.45N 73.97E 35 4.4b,3.4s
BJI XI 09 19 22 54.0 39.72N 74.56E 30 4.8b,4.4b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=4.2km az=42.0.
IDC Error ellipse: s-maj=13.4km s-min=12.3km az=15.0.

NNC Error ellipse: s-maj=21.9km s-min=10.2km az=12.0.
ISCJB Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=157.4.
MOS Error ellipse: s-maj=8.3km s-min=4.8km az=102.1.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.3km az=47.0.
ISC XI 09 23 40 46.6–.81 39.62N–.06 73.67E–.07 10 3.7b 43 3-84
IDC XI 09 23 40 40.9–1.2 39.27N 73.66E 0 3.6b,3.6 **¶11750355**
ISCJB XI 09 23 40 44.4–.80 39.55N–.06 73.75E–.07 10 3.7b,3.6
NEIC XI 09 23 40 47.3–.73 39.49N 73.82E 35 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=21.0km az=108.0.
ISCJB Event type se. Error ellipse: s-maj=9.3km s-min=7.2km az=138.3.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.6km az=108.0.
ISC XI 10 15 33 48.9–2.8 39.0N–.20 73.6E–.10 10 15 2-14
NNC XI 10 15 33 55.2–3.1 39.64N 73.78E 0 3.6b,3.2 **¶11711716**
NNC Error ellipse: s-maj=27.0km s-min=17.3km az=2.0.
ISC XI 11 02 39 57.5–1.3 39.15N–.09 73.70E–.09 10 3.8b 39 3-68
ISCJB XI 11 02 39 56.2–1.3 39.14N–.09 73.66E–.09 10 3.8b **¶11750410**
IDC XI 11 02 40 00.2–1.8 39.60N 73.81E 0 3.8b,3.6
NNC XI 11 02 40 06.7–11 39.84N 73.82E 0 3.6b,3.4
NEIC XI 11 02 40 06.1–2.0 39.70N 73.58E 35 3.6b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=9.4km az=157.7.
IDC Error ellipse: s-maj=29.3km s-min=15.3km az=131.0.
NNC Error ellipse: s-maj=89.5km s-min=41.7km az=166.0.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=15.7km az=157.0.
ISC XI 11 10 33 48.1–.72 39.01N–.05 73.03E–.07 10 3.5b 45 3-84
ISCJB XI 11 10 33 46.8–.72 39.02N–.05 73.01E–.08 10 3.5b **¶11711728**
IDC XI 11 10 33 46.9–1.1 39.12N 73.28E 0 3.7,3.6b
NNC XI 11 10 33 48.3–4.0 39.18N 73.06E 0 4.1b,3.7
NEIC XI 11 10 33 52.1–.98 39.20N 73.06E 35 4.1b,3.7
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=7.5km az=167.6.
IDC Error ellipse: s-maj=21.5km s-min=19.5km az=78.0.
NNC Error ellipse: s-maj=31.2km s-min=16.7km az=173.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=14.3km az=215.0.
ISC XI 11 23 20 18.7–2.3 39.4N–.20 73.7E–.10 7–24 17 3-14
NNC XI 11 23 20 21.0–4.2 39.64N 73.81E 0 3.5b,3.1 **¶11711741**
NNC Error ellipse: s-maj=32.2km s-min=15.5km az=170.0.
ISC XI 12 03 19 01.3–3.8 39.0N–.30 73.6E–.10 19–31 14 3-14
NNC XI 12 03 19 10.0–2.0 39.90N 73.73E 0 3.7b,3.3 **¶11750464**
NNC Error ellipse: s-maj=16.8km s-min=9.9km az=174.0.
ISC XI 13 20 52 05.5–.18 39.40N–.02 73.94E–.03 10 4.4b,3.4s 261 2-153
LDG XI 13 20 52 02.4–.14 39.46N 74.03E 10–0 4.6b,3.4s **¶13400082**
ISCJB XI 13 20 52 03.6–.18 39.37N–.02 73.94E–.03 10 4.4b,3.4s
IDC XI 13 20 52 03.2–.59 39.43N 73.99E 0 4.5,4.3b
BJI XI 13 20 52 05.3 39.63N 73.91E 11 4.5b,4.2b
NNC XI 13 20 52 07.0–3.6 39.83N 74.04E 0 4.5b,4.5
MOS XI 13 20 52 07.4–1.3 39.54N 74.03E 33 4.7b,4.5
NEIC XI 13 20 52 08.9–.34 39.52N 73.96E 35 4.3b,4.5
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=6.1km s-min=5.2km az=25.0.
ISCJB Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=146.7.
IDC Error ellipse: s-maj=14.8km s-min=11.4km az=4.0.
NNC Error ellipse: s-maj=31.5km s-min=15.4km az=1.0.
MOS Error ellipse: s-maj=7.4km s-min=4.7km az=106.5.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.9km az=191.0.
ISC XI 14 05 28 37.0–.40 39.41N–.03 73.69E–.06 10 3.9b,3.3s 109 2-82
ISCJB XI 14 05 28 34.9–.37 39.36N–.03 73.67E–.05 10 3.9b,3.3s **¶13400119**
IDC XI 14 05 28 35.3–.96 39.36N 73.79E 0 4.0,3.9b
NNC XI 14 05 28 36.7–2.3 39.71N 74.05E 0 4.3b,4.1
NEIC XI 14 05 28 40.9–.58 39.56N 73.77E 35 4.4b,4.1
BJI XI 14 05 28 41.9 39.59N 74.06E 30 4.3b,4.2b
MOS XI 14 05 28 42.8–1.1 39.71N 73.73E 64 4.2b,4.2b
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=6.1km s-min=4.1km az=14.5.
IDC Error ellipse: s-maj=21.2km s-min=14.6km az=155.0.
NNC Error ellipse: s-maj=18.7km s-min=10.0km az=172.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=9.6km az=171.0.
MOS Error ellipse: s-maj=13.9km s-min=6.1km az=85.5.
ISC XI 14 22 25 32.7–3.4 39.2N–.30 73.6E–.10 10 13 3-14
NNC XI 14 22 25 36.8–4.0 39.76N 73.85E 0 3.4b,2.9 **¶11711784**
NNC Error ellipse: s-maj=34.8km s-min=20.6km az=7.0.
ISC XI 15 18 33 25.1–3.3 39.4N–.20 73.6E–.10 10 13 3-14
NNC XI 15 18 33 32.5–6.0 40.16N 73.66E 0 3.2b,2.9 **¶11711800**
NNC Error ellipse: s-maj=55.8km s-min=26.6km az=2.0.
ISC XI 19 19 29 36.1–.70 38.14N–.08 73.9E–.40 35 13 4-6
¶15673370
ISC XI 20 05 28 53.2–2.7 39.5N–.20 73.72E–.10 10 26 2-16
ISCJB XI 20 05 28 51.8–2.7 39.5N–.20 73.66E–.10 10 **¶11711882**
NNC XI 20 05 28 54.0–2.7 39.93N 73.84E 0 3.7b,3.0
ISCJB Error ellipse: s-maj=28.8km s-min=9.5km az=10.4.
NNC Error ellipse: s-maj=22.7km s-min=10.7km az=166.0.
ISC XI 22 10 19 29.4–.80 39.77N–.06 73.05E–.06 10 4.0b 43 2-67
IDC XI 22 10 19 24.1–2.0 39.34N 73.30E 0 4.0b,3.7 **¶11751046**
NNC XI 22 10 19 26.2–1.6 39.70N 73.28E 0 4.1b,3.8
ISCJB XI 22 10 19 27.1–.77 39.68N–.05 72.96E–.06 10 4.0b,3.8
NEIC XI 22 10 19 31.2–1.1 39.65N 73.16E 37–16 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=20.7km az=155.0.
NNC Error ellipse: s-maj=15.4km s-min=6.8km az=13.0.
ISCJB Event type se. Error ellipse: s-maj=7.6km s-min=6.2km az=9.4.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=10.7km az=124.0.
ISC XI 23 05 13 57.1–2.4 39.1N–.20 73.6E–.10 10 14 3-14
NNC XI 23 05 13 58.6–4.4 39.36N 73.68E 0 3.6b,3.2 **¶11711932**
NNC Error ellipse: s-maj=33.8km s-min=17.6km az=170.0.
ISC XI 24 03 51 37.7–2.4 39.1N–.20 73.5E–.10 10 13 3-14
NNC XI 24 03 51 45.8–5.6 39.72N 73.27E 0 3.7b,3.4 **¶11711947**
NNC Error ellipse: s-maj=44.9km s-min=22.3km az=178.0.
ISC XI 24 15 55 22.8–2.1 39.0N–.10 73.8E–.10 10 14 2-14
NNC XI 24 15 55 29.6–2.9 39.69N 73.50E 0 3.5b,3.0 **¶11711954**
NNC Error ellipse: s-maj=28.2km s-min=16.7km az=18.0.
ISC XI 26 00 15 15.3–2.3 39.2N–.10 73.9E–.20 35 14 2-5
¶15673402
ISC XI 27 15 49 47.5–.18 39.42N–.02 73.95E–.03 10 4.5b,3.6s 246 2-138
IDC XI 27 15 49 45.9–.63 39.44N 74.01E 0 4.5,4.4b **¶13401282**
LDG XI 27 15 49 45.2–.16 39.49N 74.00E 10–0 4.5b,3.3s
BJI XI 27 15 49 45.6 39.59N 73.73E 13 5.0b,4.3L
ISCJB XI 27 15 49 45.6–.18 39.38N–.02 73.91E–.03 10 4.5b,3.6s
MOS XI 27 15 49 49.3–1.4 39.51N 73.99E 33 4.7b,3.6s
NNC XI 27 15 49 50.8–1.8 39.75N 73.89E 0 4.7,4.6b
NEIC XI 27 15 49 52.7–.84 39.66N 74.02E 48–7 4.4b,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=13.8km s-min=12.3km az=9.0.
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=5.9km az=11.0.
ISCJB Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=166.6.
MOS Error ellipse: s-maj=9.0km s-min=5.0km az=94.7.
NNC Error ellipse: s-maj=16.3km s-min=8.0km az=5.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.2km az=165.0.
ISC XI 28 01 35 34.2–1.9 39.1N–.10 73.7E–.10 10 16 2-14
NNC XI 28 01 35 46.0–6.5 40.18N 73.81E 0 3.3b,2.8 **¶11711997**
NNC Error ellipse: s-maj=55.9km s-min=28.9km az=173.0.
ISC XI 28 15 09 19.0–2.3 38.6N–.20 73.0E–.20 136–36 16 2-16
NNC XI 28 15 09 19.3–2.7 39.03N 72.68E 0 3.8b,3.4 **¶11528469**
NNC Error ellipse: s-maj=21.5km s-min=13.9km az=2.0.
ISC XI 29 14 46 04.0–2.5 38.3N–.20 73.7E–.20 35 11 2-5
¶15673425
ISC XI 29 22 11 29.2–2.0 39.20N–.04 73.51E–.07 19–13 3.7b 72 3-84
IDC XI 29 22 11 26.5–.85 39.38N 73.79E 0 3.9,3.8 **¶13401516**
ISCJB XI 29 22 11 28.9–1.2 39.18N–.04 73.53E–.07 33–9 3.7b,3.8
NEIC XI 29 22 11 28.2–.80 39.35N 73.58E 10 3.7b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=16.3km az=48.0.
ISCJB Event type se. Error ellipse: s-maj=9.9km s-min=5.3km az=153.3.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.5km az=157.0.
ISC XII 01 12 16 14.3–1.9 39.27N–.03 73.57E–.06 0–13 4.2b 128 2-84
IDC XII 01 12 16 14.4–.75 39.35N 73.80E 0 4.3,4.2 **¶13401633**
ISCJB XII 01 12 16 15.1–1.7 39.28N–.03 73.67E–.06 17–13 4.1b,4.2
NNC XII 01 12 16 18.4–3.2 39.57N 73.73E 0 4.4,4.3b
MOS XII 01 12 16 19.1–2.0 39.57N 73.67E 33 4.3b,4.3b
NEIC XII 01 12 16 20.3–.60 39.53N 73.71E 35 4.3b,4.3b
BJI XII 01 12 16 24.6 39.97N 74.44E 32 4.5b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=14.2km az=174.0.
ISCJB Event type se. Error ellipse: s-maj=9.0km s-min=4.3km az=153.0.
NNC Error ellipse: s-maj=28.8km s-min=16.0km az=1.0.
MOS Error ellipse: s-maj=11.5km s-min=5.7km az=91.1.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.8km az=133.0.
ISC XII 06 02 12 48.5–.99 39.27N–.07 73.43E–.09 43–10 3.5b 51 3-84
IDC XII 06 02 12 42.5–1.0 39.17N 73.55E 0 3.6b,3.6 **¶11712109**
NNC XII 06 02 12 43.9–4.8 39.20N 72.82E 0 3.6b,3.4
ISCJB XII 06 02 12 47.0–1.1 39.27N–.06 73.43E–.08 48–10 3.5b,3.4
NEIC XII 06 02 12 48.2–1.1 39.29N 73.48E 40–10 3.6b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=18.4km az=35.0.
NNC Error ellipse: s-maj=38.5km s-min=23.9km az=1.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=10.2km az=141.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.3km az=139.0.
ISC XII 06 19 35 13.4–.96 39.54N–.07 73.56E–.09 78–11 3.4b 40 3-84
IDC XII 06 19 35 04.6–1.2 39.34N 73.85E 0 3.7,3.6b **¶11712122**
NNC XII 06 19 35 08.9–3.7 39.82N 73.59E 0 3.5b,3.1
ISCJB XII 06 19 35 11.9–1.0 39.54N–.07 73.54E–.09 77–11 3.4b,3.1
NEIC XII 06 19 35 12.4–1.4 39.63N 73.57E 56–16 3.4b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=38.8km s-min=19.2km az=56.0.
NNC Error ellipse: s-maj=37.7km s-min=15.9km az=15.0.
ISCJB Event type se. Error ellipse: s-maj=11.6km s-min=10.6km az=136.2.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=14.1km az=117.0.
ISC XII 08 14 26 03.1–2.5 39.1N–.20 73.0E–.10 10 13 3-14
NNC XII 08 14 26 06.3–2.2 39.34N 72.98E 0 3.5b,3.3 **¶11712149**
NNC Error ellipse: s-maj=17.6km s-min=9.6km az=2.0.
ISC XII 09 04 55 57.1–.96 39.56N–.07 73.62E–.08 60–9 3.7b 57 3-84
IDC XII 09 04 55 48.9–.93 39.32N 73.72E 0 3.9,3.8 **¶11712158**
NEIC XII 09 04 55 54.9–.68 39.49N 73.66E 35 3.9,3.8
ISCJB XII 09 04 55 55.7–.94 39.55N–.06 73.67E–.08 65–9 3.6b,3.8
NNC XII 09 04 55 55.2–5.5 39.77N 73.85E 0 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=17.6km az=30.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.7km az=128.0.
ISCJB Event type se. Error ellipse: s-maj=11.1km s-min=9.5km az=153.1.
NNC Error ellipse: s-maj=46.2km s-min=26.4km az=169.0.
ISC XII 09 17 48 43.3–.97 39.72N–.07 73.39E–.07 49–8 3.8b 68 2-78
IDC XII 09 17 48 34.0–1.3 39.23N 73.61E 0 4.1,4.1s **¶13402349**
NNC XII 09 17 48 39.1–4.2 39.67N 73.57E 0 4.1b,3.9
NEIC XII 09 17 48 42.4–1.2 39.68N 73.50E 46–10 4.1b,3.9
ISCJB XII 09 17 48 44.2–.81 39.86N–.06 73.44E–.07 73–7 3.8b,3.9
ISC Event type se.
NEIC Event type se.
ISCJB Event type se.
ISC XII 14 00 03 36.5–.70 39.30N–.05 73.92E–.08 10 3.6b 40 3-84
ISCJB XII 14 00 03 34.9–.70 39.25N–.05 73.81E–.08 10 3.6b **¶12077359**
IDC XII 14 00 03 35.2–1.0 39.32N 73.82E 0 3.8,3.7b
NEIC XII 14 00 03 40.5–.81 39.43N 73.82E 35 3.8,3.7b
NNC XII 14 00 03 45.0–5.7 39.80N 73.71E 0 3.7b,3.4
ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=9.2km s-min=7.1km az=162.5.
IDC Error ellipse: s-maj=28.6km s-min=20.2km az=50.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.9km az=49.0.
NNC Error ellipse: s-maj=50.6km s-min=25.4km az=5.0.
ISC XII 14 21 52 24.9–2.3 38.7N–.10 73.2E–.10 10 18 3-14
NNC XII 14 21 52 32.7–5.1 39.20N 73.28E 0 3.6b,3.3 **¶11712234**
NNC Error ellipse: s-maj=40.6km s-min=20.9km az=177.0.
ISC XII 21 14 16 49.5–2.5 39.51N–.05 73.75E–.07 1–15 3.8b 81 2-84
NNC XII 21 14 16 48.1–3.3 39.53N 73.97E 0 4.2,4.1b **¶11712359**
ISCJB XII 21 14 16 49.6–2.3 39.48N–.05 73.85E–.08 12–14 3.7b,4.1b
IDC XII 21 14 16 49.3–.82 39.44N 73.85E 0 3.9,3.8b
MOS XII 21 14 16 53.4–2.6 39.66N 73.88E 33 4.3b,3.8b
BJI XII 21 14 16 55.1 40.07N 74.51E 10 3.5L,3.8b
NEIC XII 21 14 16 57.4–1.4 39.63N 74.00E 57–14 4.3b,3.8b
ISC Event type se.
NNC Error ellipse: s-maj=28.3km s-min=14.0km az=163.0.
ISCJB Event type se. Error ellipse: s-maj=10.7km s-min=8.7km az=158.8.
IDC Error ellipse: s-maj=17.6km s-min=14.0km az=43.0.
MOS Error ellipse: s-maj=18.4km s-min=9.4km az=84.9.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.7km az=124.0.
ISC XII 25 16 31 07.8–.38 38.24N–.03 74.41E–.07 152–6 3.3b 78 4-81
IDC XII 25 16 31 02.3–6.0 38.02N 74.13E 92–51 3.3,3.2b **¶11712417**
ISCJB XII 25 16 31 06.9–.39 38.25N–.03 74.39E–.07 156–7 3.3b,3.2b
NEIC XII 25 16 31 06.7–.49 38.19N 74.37E 138–7 4.5b,3.2b
NNC XII 25 16 31 07.7–5.6 38.61N 74.06E 0 4.2,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=41.2km s-min=20.8km az=21.0.
ISCJB Event type se. Error ellipse: s-maj=8.6km s-min=4.5km az=167.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=3.9km az=63.0.
NNC Error ellipse: s-maj=46.3km s-min=31.9km az=171.0.
ISC XII 27 13 38 54.6–.31 37.43N–.03 74.96E–.06 10 3.7b 91 2-82
IDC XII 27 13 38 50.1–.85 37.24N 74.46E 0 3.9,3.8b **¶13404158**
NEIC XII 27 13 38 51.9–2.4 37.18N 74.47E 12–17 3.9b,3.8b
ISCJB XII 27 13 38 52.2–.34 37.40N–.03 74.95E–.07 10 3.7b,3.8b
NNC XII 27 13 38 54.2–1.2 37.57N 74.24E 0 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=22.3km s-min=20.3km az=110.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.7km az=64.0.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=3.9km az=166.4.
NNC Error ellipse: s-maj=9.7km s-min=5.3km az=179.0.
ISC XII 29 04 11 43.9–3.3 38.9N–.20 73.3E–.20 10 11 3-14
NNC XII 29 04 11 50.9–4.5 39.56N 73.64E 0 3.7b,3.4 **¶11712443**
NNC Error ellipse: s-maj=36.5km s-min=23.5km az=177.0.

(720) Northwestern Kashmir.

ISC IX 22 00 11 27.0–.15 36.23N–.02 73.80E–.03 85 4.6b 454 3-152
BJI IX 22 00 11 21.3 36.11N 73.56E 54 4.7b,4.7b **¶13394914**
LDG IX 22 00 11 22.7–.11 36.06N 73.88E 80–0 4.6b,4.7b
NEIC IX 22 00 11 23.7–.66 36.09N 73.70E 57–6 4.7b,4.7b
ISCJB IX 22 00 11 25.0–.15 36.25N–.02 73.79E–.03 83 4.6b,4.7b
MOS IX 22 00 11 25.8–.95 36.31N 73.72E 82 4.7b,4.7b
IDC IX 22 00 11 27.6–.52 36.32N 73.74E 86–4 4.3,4.2
NNC IX 22 00 11 34.3–.59 37.62N 74.27E 0 4.6b,4.5
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=29.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.8km az=224.0.
ISCJB Event type ke. Error ellipse: s-maj=3.5km s-min=2.5km az=162.6.
MOS Error ellipse: s-maj=6.9km s-min=3.9km az=122.5.
IDC Error ellipse: s-maj=11.3km s-min=9.6km az=14.0.
NNC Error ellipse: s-maj=5.5km s-min=3.6km az=28.0.
NNC X 07 01 27 53.8–9.7 35.26N 73.04E 0 3.6b,3.5
¶11748204
NNC Error ellipse: s-maj=134.1km s-min=74.0km az=65.0.
ISC XI 10 15 26 17.2–1.1 35.26N–.07 74.5E–.10 56–13 3.6b 32 6-79
IDC XI 10 15 26 09.8–1.1 35.08N 74.56E 0 3.9,3.7b **¶11750393**
ISCJB XI 10 15 26 14.4–1.4 35.25N–.07 74.6E–.10 46–16 3.6b,3.7b
NEIC XI 10 15 26 15.7–2.8 35.18N 74.54E 42–24 3.4b,3.7b
NNC XI 10 15 26 19.5–2.6 35.38N 74.23E 38–25 3.9,3.4b

ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=19.8km az=63.0.
ISCJB Event type se. Error ellipse: s-maj=20.3km s-min=7.7km az=151.8.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=15.6km az=212.0.
NNC Error ellipse: s-maj=34.0km s-min=16.1km az=69.0.

ISC	**XII**	**21 05 25 08.7–.17**	**35.90N–.02**	**73.46E–.03**	**85**	**4.4b**	**284**	**2-115**
ISCJB	XII	21 05 25 06.9–.17	35.90N–.02	73.47E–.03	83	4.4b		¶13403553
BJI	XII	21 05 25 07.9	36.04N	73.34E	84	5.0b,4.6s		
MOS	XII	21 05 25 07.3–1.0	35.99N	73.34E	81	4.5b,4.6s		
NEIC	XII	21 05 25 08.2–.32	35.87N	73.51E	85	4.5b,4.6s		
IDC	XII	21 05 25 09.4–.53	35.97N	73.23E	86–4	4.2,4.1		
NNC	XII	21 05 25 13.7–11	36.36N	72.96E	103–135	4.8,3.9b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=3.8km s-min=2.4km az=154.3.
MOS Error ellipse: s-maj=8.9km s-min=4.9km az=103.9.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.2km az=224.0.
IDC Error ellipse: s-maj=14.1km s-min=9.5km az=33.0.
NNC Error ellipse: s-maj=92.8km s-min=70.3km az=178.0.

SEISMIC REGION 49.
Northern Eurasia.

(721) Finland.

IDC	**X**	**13 12 16 20.8–1.1**	**63.89N**	**25.23E**	**0**	**3.0,2.9**		
								¶12068551

IDC Error ellipse: s-maj=19.5km s-min=8.4km az=85.0.

ISC	**X**	**23 11 10 36.7–3.8**	**60.1N–.40**	**24.2E–.40**	**10**		**12**	**2-9**
IDC	X	23 11 10 31.1–2.6	59.67N	24.92E	0	3.3,3.2L		¶11653270
CSEM	X	23 11 10 34.1–.59	59.97N	24.54E	2	2.1L,3.2L		
NAO	X	23 11 10 34.1–2.5	59.81N	24.69E		2.1L,3.2L		
BER	X	23 11 10 35.2–2.3	59.80N	24.72E	15–30	2.1L,3.2L		

ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=9.3km az=133.0.
CSEM Event type ke. Error ellipse: s-maj=19.1km s-min=2.4km az=145.0.
NAO Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=23.3km s-min=36.6km az=-1.0.

(722) Norway-Murmansk border region.

ISC	**X**	**14 16 47 42.5–.86**	**69.63N–.03**	**29.92E–.09**	**0–5**		**179**	**1-25**
CSEM	X	14 16 47 40.5–.33	69.78N	30.17E	2	2.9L		¶13397061
NAO	X	14 16 47 41.4–.90	69.73N	30.10E		2.9L		
IDC	X	14 16 47 41.8–1.1	69.76N	30.13E	0	3.6,3.6		
NEIC	X	14 16 47 41.7–2.4	69.78N	30.02E	6–17	2.9L,2.9L		
BER	X	14 16 47 42.0–3.6	69.78N	30.76E	10–0	3.4,3.1L		
HEL	X	14 16 47 42.2–.20	69.74N	30.14E	3–1	3.4,3.1L		
ISCJB	X	14 16 47 42.8–.90	69.49N–.04	29.70E–.10	1–5	3.4,3.1L		

ISC Event type fe.
CSEM Event type ke.
NEIC Event type fe. Felt at Kirkenes, Norway.
ISCJB Event type fe.

(723) Finland-Karelia border region.

ISC	**IX**	**27 02 20 11.8–.47**	**65.99N–.02**	**29.91E–.08**	**17–2**		**136**	**0-10**
NAO	IX	27 02 20 09.8–1.1	65.97N	29.87E		2.6L		¶13395288
ISCJB	IX	27 02 20 11.0–.48	65.99N–.02	29.94E–.09	28–3	2.6L		
HEL	IX	27 02 20 11.9–.10	65.99N	29.96E	18–0	3.4,2.4L		
BER	IX	27 02 20 11.4–3.8	65.98N	30.08E	0–14	3.4,2.6L		
IDC	IX	27 02 20 11.5–1.5	65.99N	29.77E	0	3.2,3.1		
CSEM	IX	27 02 20 12.0–.21	65.99N	29.79E	15	2.3L,3.1		

ISC Event type ke.
NAO Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
ISCJB Event type ke. Error ellipse: s-maj=5.9km s-min=2.8km az=4.1.
HEL Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0.
BER Error ellipse: s-maj=8.1km s-min=26.8km az=-1.0.
IDC Error ellipse: s-maj=19.6km s-min=7.2km az=97.0.
CSEM Event type ke. Error ellipse: s-maj=5.5km s-min=2.7km az=95.0.

(724) Baltic States - Belarus - Northwestern Russia.

ISC	**VII**	**16 07 59 56.6–2.6**	**52.76N–.10**	**34.7E–.30**	**10**		**9**	**4-17**
IDC	VII	16 07 59 57.6–3.0	52.50N	34.85E	0	3.8,3.8		¶12698244

IDC Error ellipse: s-maj=34.2km s-min=10.9km az=113.0.

IDC	**VII**	**30 07 59 48.8–2.9**	**52.43N**	**35.03E**	**0**	**3.6,3.6**		
								¶12698492

IDC Error ellipse: s-maj=32.5km s-min=11.0km az=113.0.

IDC	**VII**	**30 11 19 46.6–3.7**	**59.33N**	**22.34E**	**0**	**3.0,2.9**		
								¶12698496

IDC Error ellipse: s-maj=47.9km s-min=12.1km az=165.0.

IDC	**VIII**	**15 08 00 18.2–3.3**	**52.71N**	**33.60E**	**0**	**3.8,3.7**		
								¶12581095

IDC Error ellipse: s-maj=43.6km s-min=11.1km az=112.0.

IDC	**VIII**	**29 07 51 17.6–1.7**	**50.83N**	**28.28E**	**0**	**3.8,3.8**		
								¶12581539

IDC Error ellipse: s-maj=12.5km s-min=8.5km az=75.0.

ISC	**IX**	**12 10 11 22.7–.89**	**59.31N–.04**	**26.9E–.20**	**10**		**20**	**1-10**
CSEM	IX	12 10 11 19.7–.73	59.20N	27.98E	5	2.3L		¶13394172
ISCJB	IX	12 10 11 20.2–.93	59.40N–.04	26.8E–.20	10	2.3L		
NAO	IX	12 10 11 22.8–1.0	59.29N	26.90E		2.3L		
BER	IX	12 10 11 23.6–3.8	59.32N	27.01E	4–17	2.3L		
IDC	IX	12 10 11 24.3–1.9	59.39N	27.05E	0	3.3,3.2		

ISC Event type ke.
CSEM Event type ke. Error ellipse: s-maj=23.8km s-min=5.0km az=110.0.
ISCJB Event type ke. Error ellipse: s-maj=11.8km s-min=6.3km az=173.3.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=7.0km s-min=26.4km az=-1.0.
IDC Error ellipse: s-maj=16.1km s-min=9.4km az=127.0.

ISC	**IX**	**12 11 12 38.5–2.4**	**57.19N–.04**	**23.73E–.09**	**14–16**		**32**	**1-12**
IDC	IX	12 11 12 35.6–3.1	57.08N	24.01E	0	3.2,3.1		¶13394174
NAO	IX	12 11 12 37.6–2.5	57.25N	23.88E		2.3L,3.1		
BER	IX	12 11 12 37.5–4.1	57.10N	23.89E	0–22	2.3L,3.1		
CSEM	IX	12 11 12 38.0–.28	57.21N	23.81E	10	2.2L,3.1		

ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=15.1km az=155.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=24.2km s-min=20.3km az=-1.0.
CSEM Event type ke. Error ellipse: s-maj=9.2km s-min=5.9km az=63.0.

ISC	**IX**	**15 09 18 08.7–1.1**	**59.27N–.04**	**27.3E–.20**	**10**		**25**	**1-10**
ISCJB	IX	15 09 18 05.3–1.2	59.34N–.04	27.6E–.20	10			¶13394377
CSEM	IX	15 09 18 08.1–.63	59.32N	27.32E	2	2.2L		
NAO	IX	15 09 18 09.6–.90	59.28N	26.69E		2.2L		
BER	IX	15 09 18 10.9–3.0	59.28N	26.74E	0–14	2.2L		
IDC	IX	15 09 18 11.1–2.2	59.39N	27.00E	0	3.1,3.0		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.6km s-min=6.4km az=3.9.
CSEM Event type ke. Error ellipse: s-maj=17.7km s-min=7.0km az=93.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Error ellipse: s-maj=6.4km s-min=19.7km az=-1.0.
IDC Error ellipse: s-maj=21.5km s-min=12.4km az=120.0.

IDC	**IX**	**17 08 01 01.4–3.3**	**51.99N**	**34.44E**	**0**	**3.7,3.6**		
								¶11910461

IDC Error ellipse: s-maj=40.0km s-min=14.8km az=114.0.

ISC	**IX**	**30 09 57 39.5–.84**	**59.32N–.04**	**26.8E–.10**	**10**		**20**	**1-10**
ISCJB	IX	30 09 57 37.4–.79	59.39N–.04	26.7E–.10	10			¶13395523
CSEM	IX	30 09 57 39.6–.56	59.22N	27.55E	20	2.4L		
IDC	IX	30 09 57 40.2–2.3	59.29N	26.86E	0	3.3,3.2		
NAO	IX	30 09 57 40.1–1.1	59.28N	26.92E		2.4L,3.2		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=10.2km s-min=5.6km az=161.6.
CSEM Event type ke. Error ellipse: s-maj=16.9km s-min=6.3km az=94.0.
IDC Error ellipse: s-maj=22.5km s-min=14.5km az=118.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.

IDC	**X**	**01 08 00 51.4–3.0**	**52.54N**	**34.90E**	**0**	**3.8,3.7**		
								¶11911539

IDC Error ellipse: s-maj=33.6km s-min=11.5km az=113.0.

IDC	**X**	**17 08 00 09.2–3.9**	**52.47N**	**35.09E**	**0**	**3.7,3.6**		
								¶12068871

IDC Error ellipse: s-maj=53.2km s-min=14.8km az=120.0.

IDC	**X**	**23 11 10 48.8–3.0**	**59.64N**	**25.17E**	**0**	**3.3,3.2L**		
								¶12070881

IDC Error ellipse: s-maj=37.6km s-min=12.2km az=130.0.

IDC	**X**	**23 11 11 07.7–3.0**	**59.69N**	**24.82E**	**0**	**3.3L,3.3**		
								¶12070882

IDC Error ellipse: s-maj=37.6km s-min=12.2km az=135.0.

IDC	**X**	**23 11 11 22.2–2.9**	**59.70N**	**25.01E**	**0**	**3.4L,3.3**		
								¶12070883

IDC Error ellipse: s-maj=36.6km s-min=12.6km az=129.0.

IDC	**X**	**23 11 52 29.1–2.5**	**59.70N**	**24.87E**	**0**	**3.3,3.2**		
								¶12070886

IDC Error ellipse: s-maj=30.8km s-min=8.9km az=134.0.

ISC	**X**	**27 10 29 28.1–1.1**	**59.29N–.04**	**27.3E–.20**	**10**		**17**	**1-10**
ISCJB	X	27 10 29 25.5–1.1	59.35N–.04	27.5E–.20	10			¶13398235
CSEM	X	27 10 29 27.6–.57	59.33N	27.36E	2	2.1L		
NAO	X	27 10 29 29.2–1.1	59.31N	26.96E		2.1L		
BER	X	27 10 29 30.0–2.2	59.33N	27.03E	0–20	2.1L		
IDC	X	27 10 29 32.1–2.1	59.48N	26.96E	0	3.5,3.4		

ISC Event type ke.
ISCJB Event type ke. Error ellipse: s-maj=12.5km s-min=5.9km az=178.9.
CSEM Event type ke. Error ellipse: s-maj=16.7km s-min=6.5km az=93.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Error ellipse: s-maj=4.9km s-min=19.4km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=11.6km az=117.0.

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Antarctica.

(729) Antarctica.

ISC	**VII**	**05 14 56 30.9–.80**	**67.44S–.06**	**111.7E–.20**	**10**	**4.2b**	**15**	**1-50**
ISCJB	VII	05 14 56 29.7–.81	67.45S–.06	112.0E–.20	10	4.2b		¶11810712
NEIC	VII	05 14 56 31.8–.87	67.22S	112.52E	5	3.6b		
IDC	VII	05 14 56 32.5–1.3	67.09S	112.69E	0	4.2b,4.2		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=10.9km s-min=8.8km az=158.9.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=13.6km az=69.0.
IDC Error ellipse: s-maj=55.4km s-min=21.8km az=117.0.

ISC	**VII**	**05 16 48 18.5–.90**	**67.51S–.08**	**111.9E–.40**	**10**	**4.4b**	**15**	**1-147**
ISCJB	VII	05 16 48 18.0–.75	67.42S–.07	112.5E–.20	10	4.4b		¶11810716
IDC	VII	05 16 48 19.6–1.2	67.18S	111.79E	0	4.4b,4.4		
NEIC	VII	05 16 48 19.3–.75	67.36S	112.53E	5	3.9b,4.4		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=8.4km az=150.9.
IDC Error ellipse: s-maj=53.2km s-min=21.3km az=115.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=13.4km az=87.0.

ISC	**VII**	**23 08 12 39.8–.34**	**67.20S–.05**	**112.3E–.10**	**10**	**5.0b,4.9s**	**68**	**1-160**
ISCJB	VII	23 08 12 37.9–.35	67.21S–.05	112.5E–.10	10	5.0b,4.9s		¶13389879
IDC	VII	23 08 12 38.5–.50	67.22S	112.66E	0	4.9s,4.9		
GCMT	VII	23 08 12 40.3–.20	67.38S	112.12E	12	5.3W,4.9		
NEIC	VII	23 08 12 40.8–.22	67.14S	112.23E	10	5.1b,4.9		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=8.4km s-min=7.4km az=20.9.
IDC Error ellipse: s-maj=21.7km s-min=16.6km az=149.0.
GCMT Event type se. Data Used: II IU IC CN G. Moment Tensor Solution. s36,c45; s81,c135; Moment tensor: Scale 10^{17}Nm; M_{rr}0.00 $M_{\theta\theta}$0.00 $M_{\phi\phi}$0.00 $M_{r\theta}$0.00 $M_{\theta\phi}$0.00 $M_{\phi r}$0.00 Best double couple: NP1:ϕ_s350.00000°,δ23.00000°,λ140.00000°. NP2:ϕ_s118.00000° ,δ75.00000°,λ72.00000°. Principal axes: T 1.2000,Plg56.0000°,Azm4.0000° ; N -0.0200,Plg18.0000°,Azm123.0000°; P -1.1900,Plg28.0000°,Azm222.0000° $M_0$1.20000×10^{17}
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.9km az=143.0.

ISC	**VII**	**23 09 46 59.9–.83**	**67.18S–.08**	**112.4E–.20**	**10**	**3.8b**	**8**	**1-150**
ISCJB	VII	23 09 46 57.6–.89	67.24S–.09	112.4E–.20	10	3.8b		¶11812430
IDC	VII	23 09 46 58.9–1.2	67.02S	112.05E	0	4.1s,4.1		
NEIC	VII	23 09 46 59.9–.75	67.17S	112.47E	10	3.6b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=17.0km s-min=8.3km az=139.0.
IDC Error ellipse: s-maj=56.2km s-min=22.8km az=117.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=12.8km az=66.0.

ISC	**VIII**	**16 03 20 37.8–.73**	**67.36S–.08**	**112.2E–.20**	**10**	**4.7b**	**14**	**1-152**
ISCJB	VIII	16 03 20 36.1–.66	67.41S–.06	112.4E–.20	10	4.7b		¶11908289
IDC	VIII	16 03 20 37.9–.79	67.17S	112.23E	0	4.7b,4.7		
NEIC	VIII	16 03 20 39.2–.38	67.22S	112.13E	10	4.2b,4.7		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=12.8km s-min=8.5km az=156.8.
IDC Error ellipse: s-maj=33.9km s-min=20.1km az=129.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=11.9km az=107.0.

ISC	**VIII**	**25 07 07 35.1–3.6**	**67.3S–.10**	**112.4E–.30**	**4–23**	**4.5b,3.9s**	**14**	**1-150**
ISCJB	VIII	25 07 07 34.5–.77	67.23S–.08	112.4E–.20	10	4.5b,3.9s		¶11908742
IDC	VIII	25 07 07 35.2–1.1	67.23S	112.48E	0	4.5b,4.5		
NEIC	VIII	25 07 07 36.3–.59	67.23S	112.28E	10	4.3b,4.5		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.3km s-min=7.9km az=139.9.
IDC Error ellipse: s-maj=40.8km s-min=21.2km az=117.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=12.8km az=68.0.

ISC	**VIII**	**27 20 14 28.6–.72**	**67.04S–.08**	**112.7E–.20**	**10**	**3.7b**	**10**	**1-49**
ISCJB	VIII	27 20 14 27.1–.73	67.07S–.08	112.9E–.20	10	3.7b		¶11908945
IDC	VIII	27 20 14 27.9–1.3	67.02S	112.90E	0	3.8,3.7b		
NEIC	VIII	27 20 14 28.6–.67	67.03S	112.73E	10	4.2b,3.7b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=14.9km s-min=8.4km az=44.6.
IDC Error ellipse: s-maj=57.5km s-min=22.6km az=115.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.8km az=71.0.

ISC	**VIII**	**28 18 03 24.9–.83**	**67.4S–.20**	**112.2E–.60**	**10**	**4.3b**	**11**	**18-150**
ISCJB	VIII	28 18 03 23.2–.78	67.3S–.10	112.1E–.50	10	4.3b		¶11909020
IDC	VIII	28 18 03 25.0–1.1	67.02S	111.52E	0	4.3,4.2b		
NEIC	VIII	28 18 03 26.5–.55	67.04S	111.53E	10	3.5b,4.2b		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=29.3km s-min=12.3km az=30.0.
IDC Error ellipse: s-maj=53.6km s-min=21.4km az=115.0.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=12.6km az=126.0.

IDC	**IX**	**01 11 19 14.7–1.1**	**67.14S**	**111.60E**	**0**	**4.2,4.2b**		
								¶11909216

IDC Error ellipse: s-maj=54.5km s-min=22.2km az=116.0.

ISC	**XI**	**28 07 14 42.9–.75**	**67.4S–.10**	**112.9E–.30**	**10**	**4.1b**	**15**	**17-150**
ISCJB	XI	28 07 14 41.1–.74	67.4S–.10	112.8E–.30	10	4.1b		¶12075124
IDC	XI	28 07 14 43.0–1.1	66.91S	111.69E	0	4.1b,4.1		
NEIC	XI	28 07 14 43.1–.65	67.44S	112.92E	10	4.0b,4.1		

ISC Event type se.
ISCJB Event type se. Error ellipse: s-maj=20.7km s-min=13.0km az=27.7.
IDC Error ellipse: s-maj=53.9km s-min=21.5km az=115.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=12.1km az=112.0.

SEISMOLOGICAL OBSERVATORIES

IN ALPHABETICAL ORDER OF STATION NAME WITH BASIC PARAMETERS

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
100 Mile House	HM-BC	British Columbia,Canada	51.6550N	121.4756W	1128	From 1962-07-26 to 1962-10-05
1031 Sheenboro Crescent, Ottawa	OT001	Ontario,Canada	45.4788N	75.4745W	88	From 2001-11-15
1514 Bourcier, Ottawa	OT002	Ontario,Canada	45.4742N	75.5019W	84	From 2005-03-24
16, Winslow Court, Ottawa	OT004	Ontario,Canada	45.3644N	75.7746W	78	From 2005-03-24
2758 Massicotte Lane, Ottawa	OT008	Ontario,Canada	45.3496N	75.6418W	80	From 2005-06-29
29 Palms	TN-	California,U.S.A.	34.1983N	115.9500W	533	From 1962-02-01 to 1962-05-03
413	BUK	Nevada,U.S.A.	37.0505N	116.1890W	1490	From 1965-01-01 to 1970-12-31
416	LWN	Nevada,U.S.A.	36.6183N	116.3930W	808	From 1970-01-01 to 1999-08-25
4D Ranch, Culbertson	O29A	Nebraska,U.S.A.	40.1253N	100.7977W	826	From 2009-05-27
4UR Ranch, Creede	S22A	Colorado,U.S.A.	37.7461N	106.8293W	2626	From 2008-06-15
5 Glenshane	B5GA	Barbados	13.0670N	59.5955W	35	
7 Observatory Cres., Ottawa	OT012	Ontario,Canada	45.3942N	75.7167W	77	From 2001-09-24
959, Brant, Ottawa	OT006	Ontario,Canada	45.4292N	75.6500W	68	From 2006-03-03
9 Mile Ranch, Kaycee	I22A	Wyoming,U.S.A.	43.8924N	106.4840W	1430	From 2008-10-08
A@15sbjarnarstat ir	IASB	Iceland	64.7480N	21.3250W	94	
Aachen	AAC	Nordrhein-Westfalen,Germany	50.7833N	6.0833E	179	
Aachen	BA01	Nordrhein-Westfalen,Germany	50.7789N	6.0614E	216	From 2006-10-01
Aaknes	AKN	Norway	62.1783N	6.9974E	508	From 2009-11-01
Aasiaat, Greenland	ASIG	Greenland	68.7060N	52.8710W	60	From 2004-05-11
Abakan	ABNR	Krasnoyarskiy Kray,Russia	53.7250N	91.4350E	125	From 2003-10-29
Abant	ABT	Turkey	40.6058N	31.3208E	1794	From 1991-01-01 to 1993-10-01
Abaselama	ABSE	Eritrea	14.8847N	39.3272E	2392	
Abashiri	ABJ	Abashiri,Japan	44.0150N	144.2830E	38	
Abashiri 2	ABJ2	Abashiri,Japan	43.8417N	143.8700E	180	From 1994-02-10 to 2001-08-03
Abashiri--Tokoro	JTKR	Abashiri,Japan	43.9707N	143.9082E	42	
Abastumani	ABS	Georgia	41.7555N	42.8134E	1590	From 1940-01-01
Abbadia di Fiastra (Tolentino)	T0402	Italy	43.2213N	13.4063E	212	
Abbazia di Naro	NARO	Italy	43.6108N	12.5806E	271	From 2011-01-17
Abborrasen	ABB	Sweden	57.8450N	12.7860E	239	From 1980-01-01 to 1991-12-31
Abdulvahap	ADVT	Turkey	40.4332N	29.7383E	193	From 2006-05-19
Abeche	ABC	Chad	13.8272N	20.8444E	550	From 1965-01-01 to 1968-06-30
Aberdeen	ABE	Scotland,United Kingdom	57.1667N	2.1000W	12	
Aberfeldy	ABEM	Victoria,Australia	37.7194S	146.3890E	548	
Aberfoyle	EAB	Scotland,United Kingdom	56.1881N	4.3400W	250	From 1969-01-01
Aberstueckl	ABSI	Italy	46.7285N	11.3205E	1801	From 2006-12-13
Abfaltersbach	ABTA	Austria	46.7474N	12.5123E	1041	From 2006-12-13
Abha	ABHA	Saudi Arabia	18.2500N	42.7500E	2200	From 1988-11-01
Abilene, Hawley	ABTX	Texas,U.S.A.	32.6238N	99.6431W	502	From 2009-02-12
Abington	ABG	Pennsylvania,U.S.A.	40.1167N	75.1333W		
Abisko	ABK	Sweden	68.3417N	18.8167E	385	
Aboa	ABOA	Dronning Maud Land	73.0300S	13.2500E	200	From 2007-01-18
Abou Kooc	KOOC	Syria	33.6592N	36.7633E	1120	From 1994-12-01
Abou Rabah	RABH	Syria	34.4354N	37.2054E	738	From 1994-12-01
Abra de Ilog	ABP	Mindoro,Philippines	13.4440N	120.7270E		From 1976-02-01 to 1977-05-22
Abri du Galion	ABGF	Guadeloupe	16.0323N	61.6603W	1150	
Abries	OG22	Provence-Cote d'Azur,France	44.8227N	6.9452E	1810	
Abriola	ABRE	Italy	40.5008N	15.7601E	1542	
Absaloka Mine, Hardin	F21A	Montana,U.S.A.	45.8231N	107.1233W	1026	From 2008-08-12
Absolon Red Butte, Lander	K19A	Wyoming,U.S.A.	42.8247N	108.8466W	1878	From 2007-11-08 to 2009-10-07
Abu 'Arish	ABAR	Saudi Arabia	16.9420N	42.9390E	135	From 1996-03-01
Abu Hadid	AAHD	Egypt	23.7474N	32.7511E	231	
Abu Rudays	HRDS	Egypt	28.7120N	33.2975E	252	
Abu Simbel	ASL	Egypt	22.3369N	31.6161E		From 1975-10-01
Abu Simbel	ABUS	Egypt	22.2500N	31.1372E	230	
Abuyama	ABU	Osaka,Japan	34.8603N	135.5740E	200	From 1966-07-08
Abymes - Guadeloupe	GABY	Guadeloupe	16.2706N	61.5044W	20	From 2005-02-01
Academy	AY-	South Dakota,U.S.A.	43.5278N	99.1083W	610	From 1962-07-14 to 1962-10-05
Academy	AY-SD	South Dakota,U.S.A.	43.5278N	99.1083W	610	From 1962-07-14 to 1962-10-05
Acapulco	ACX	Guerrero,Mexico	16.8694N	99.8583W	300	
Acapulco	ACP2	Mexico	16.8743N	99.8865W	167	From 2009-02-16
Acatlan	ACP	Puebla,Mexico	18.2078N	98.0597W	1250	
Accumuli	RM31	Italy	42.7023N	13.2331E	1034	From 2009-09-17 to 2010-02-15
Acerenza	ACER	Italy	40.7867N	15.9427E	690	From 2007-07-05
Acheberg	ACHB	Switzerland	47.5876N	8.2543E	470	From 1983-06-01
Achilles Lake	ACKN	Northwest Territories,Canada	64.9915N	110.8708W	467	
Achnashellach	KAC	Scotland,United Kingdom	57.4999N	5.2982W	330	From 1983-01-01
Achvaich	MVH1	Scotland,United Kingdom	57.9250N	4.1825W	185	From 1984-01-01
Aci Sant'Antonio	EACI	Sicily,Italy	37.6140N	15.1290E	290	From 1994-10-01
Acomizza, Italy	ACOM	Italy	46.5480N	13.5130E	1788	
Acorn Hollow, Los Molinos	O03C	California,U.S.A.	39.9971N	122.0319W	85	From 2005-04-19 to 2007-09-06
Acoyapa	ACY	Nicaragua	11.9977N	85.2252W	400	From 1975-01-01
Acrocorinthos	ACOR	Greece	37.8902N	22.8692E	437	From 2008-12-29
Acton	ACTO	Ontario,Canada	43.6087N	80.0624W	360	From 1991-07-09
Adagdak	AD8	Alaska,U.S.A.	51.9806N	176.6000W	259	From 1974-01-01 to 1992-02-01
Adak	ADA	Alaska,U.S.A.	51.8633N	176.6550W		From 1949-07-01 to 1954-04-30
Adak	ADK	Alaska,U.S.A.	51.8837N	176.6840W	116	From 1966-01-01
Adak Island	AD-IS	Alaska,U.S.A.	51.8750N	176.6792W	61	
Adak Island	AD-	Alaska,U.S.A.	51.8750N	176.6792W	61	
Adam Dziewonski Observatory	HRV	Massachusetts,U.S.A.	42.5064N	71.5583W	180	From 1975-08-01
Adamit	ADI	Israel	33.0789N	35.2250E	470	From 1983-07-01
Adams	ADN	New York,U.S.A.	43.8333N	76.1197W	137	From 1974-11-24 to 1977-07-27
Adamuz	EADA	Spain	38.1673N	4.5771W	565	
Adana	ADAT	Turkey	37.0623N	35.3550E	150	From 1992-01-01
Adana	ADT	Turkey	37.0638N	35.3550E	150	From 1979-12-01 to 1999-08-25
Addanki	ADKI	Andhra Pradesh,India	15.8446N	79.9686E	49	From 2008-09-01
Addlestone Acy	ADSC	South Carolina,U.S.A.	32.8119N	80.0167W	6	
Adel	AOT	Oregon,U.S.A.	42.1665N	119.9033W	1370	
Adeladia	PADM	California,U.S.A.	35.6393N	120.8640W	471	
Adelaida	ADES	El Salvador	13.6583N	89.3583W	1200	From 1991-12-01
Adelaide	ADE	South Australia,Australia	34.9669S	138.7090E	655	From 1958-06-01
Adelanto	ADL	California,U.S.A.	34.5563N	117.4170W	900	From 1975-02-01
Adelanto Receiving Station	ADO	California,U.S.A.	34.5505N	117.4339W	908	From 2000-08-09
Adell	L07A	Oregon,U.S.A.	42.0187N	119.3398W	1816	From 2006-06-09 to 2008-04-17
Aden	ADEN	Yemen	12.7760N	44.9830E	41	From 1994-11-01
ADIBADRI	ABI	Uttar Pradesh,India	30.1520N	79.2084E	1595	From 2007-06-30
Adirondack	RSNY	New York,U.S.A.	44.5483N	74.5300W	396	
Adirondack Community College	ACCN	New York,U.S.A.	43.3843N	73.6678W	340	
Adis Abeba	AAE	Ethiopia	9.0292N	38.7656E	2442	From 1959-03-01
Adjabya	LJBD	Libya	30.9130N	20.1982E	49	
ADJUD	ADJ	Romania	46.0952N	27.1821E	102	From 2008-10-23
Adndan	AADN	Egypt	22.1224N	31.5307E	249	
Adobe Creek	GACM	California,U.S.A.	38.8728N	122.8620W	985	
Adobe Valley	AVC	California,U.S.A.	37.9160N	118.7330W	2225	From 1975-07-01 to 1977-09-30
Adra	EXAD	Spain	36.7500N	3.0010W	24	
Adra	ADRA	Spain	36.7893N	3.0487W	0	
Adria, Italy	ADRI	Italy	45.0378N	12.0167E	1	From 2008-01-26
Adriano, Sevilla	E011	Spain	37.2103N	5.9905W	56	From 2007-09-23 to 2009-06-11
Aeknabara	AEKI	Sumatera,Indonesia	2.1017N	98.4536E	840	From 1991-01-01
Aeronautique	ZAM	Martinique	14.5727N	61.0287W	25	
Aery, Baudette	B34A	Minnesota,U.S.A.	48.4860N	94.6501W	354	From 2010-09-14
Aespoe	ASPU	Sweden	57.4185N	16.5992E	10	From 2005-04-14
Afareaitu	AFR	Moorea,French Polynesia	17.5383S	149.7780W	50	
Afiamalu	AFI	Samoa Islands	13.9094S	171.7770W	706	From 1958-04-01
Afif	AFIF	Saudi Arabia	24.1010N	43.1800E	950	From 1990-03-01
'Afif	AFFS	Saudi Arabia	23.9267N	43.0005E	1090	
Afjeh	IAFJ	Iran	35.8560N	51.7125E	2750	From 1996-01-01
Afˆar-Bala (Ankara)	AFSR	Turkey	39.4468N	33.0707E	1055	From 2008-09-05
Aftenstjerne Lake, Greenland	ASSG	Greenland	82.1762N	38.1082W	318	From 2004-07-24
Agadir Fac de Sc.	AFS	Morocco	30.4200N	9.5000W	75	From 2001-06-02
Agadir Oufela	AOF	Morocco	30.4400N	9.5600W	90	From 2001-06-02
Agalyk	AGL	Uzbekistan	39.5200N	66.8700E	865	
Agartala	AGT	Tripura,India	23.8833N	91.2500E	17	
Agassiz Lake	AGAM	Alaska,U.S.A.	60.1542N	141.0330W	1024	
Agassiz National Wildlife Refuge	AGMN	Minnesota,U.S.A.	48.2978N	95.8619W	351	From 2006-09-20
Agave Hill	AGAC	California,U.S.A.	33.6384N	116.4011W	809	
Agenahambo	AGE	Papua New Guinea	8.8136S	148.0990E	303	From 1963-08-01 to 1972-12-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Aggia Anna	VAG	Greece	38.3161N	22.9003E	760	From 1982-10-01
Agia Marina, Milos Island	MHLO	Greece	36.6898N	24.4017E	174	From 2010-06-04
Agillar	DAGI	Turkey	41.0778N	41.9142E	1188	From 2007-09-25
Agin	AGN	Turkey	38.9483N	38.7154E	914	From 1973-09-20
Agios Charalampos	AXAR	Greece	38.7664N	22.6590E	406	From 2008-04-01
Agios Georgios	AGG	Greece	39.0222N	22.3303E	540	From 1989-04-01
Agios Nikonas	DYR	Greece	36.7622N	22.3337E	426	From 2008-07-01
Agira	CAGR	Sicily,Italy	37.6220N	14.4999E	548	From 2010-05-21
Agolada(Pontevedra)	EAGO	Spain	42.8027N	8.0892W	500	From 2010-03-24
Agordo	AGOR	Italy	46.2829N	12.0472E	631	From 2007-06-08
Agoura	AGOC	California,U.S.A.	34.1465N	118.7670W	259	
Agra	AGRA	Uttar Pradesh,India	27.2305N	77.9438E	0	
Agra	AGR	Uttar Pradesh,India	27.1333N	78.0167E	163	
Agrelo	AAGR	Mendoza,Argentina	33.0852S	68.8284W	1159	
Agri	AGRT	Turkey	39.6088N	42.9870E	1440	From 1997-08-26 to 2006-11-21
Agrihan Island	AGRI	Mariana Islands	18.7331N	145.6530E	25	From 1994-04-23
Agron	ERON	Spain	37.0185N	3.8058W	1304	From 1994-03-01
Agua Clara, Sierra Llorona en Colsn	ACLA	Panama	9.3650N	79.7065W	460	From 2004-10-01
Aguadilla	AGP	Puerto Rico	18.4075N	67.1410W	220	
Aguadilla, PR	AGPR	Puerto Rico	18.4675N	67.1112W	117	From 2004-10-01
Agualva	AGA	Azores,Portugal	38.7845N	27.1732W	80	From 1981-05-16 to 2000-05-17
Aguascalientes	AGX	Aguascalientes,Mexico	21.8787N	102.3010W		From 1988-01-01
Aguas Calientes	AGUN	Nicaragua	12.6667N	86.8367W	300	
Aguni-jima	JAGN	Ryukyu Islands,Japan	26.5888N	127.2422E	12	
Ahir Dag	KAHT	Turkey	37.6307N	36.8734E	1830	From 2003-11-05
Ahlen	BAHL	Nordrhein-Westfalen,Germany	51.7369N	7.8217E	92	
AHRAM	AHBU	Iran	28.8640N	51.2950E	80	From 2010-06-02
Ahram - Rada'a city Al-Baydha Gov. - Yemen	RADA	Yemen	14.4390N	44.8530E	2353	From 2001-09-22
Ahua	AHA	Hawaii,U.S.A.	19.3733N	155.2650W	1070	From 1958-01-01
Ahuacatlan	ANIG	Nayarit,Mexico	21.0538N	104.5207W	1009	From 2006-09-30
Ahuachapan	AHU	El Salvador	13.9217N	89.8458W	810	
Ahwaz	AHWZ	Iran	31.3300N	48.6438E	19	From 2010-04-27
Aibetsu	AIB	Kamikawa,Japan	43.9067N	142.6461E	260	
Aida	JAD	Okayama,Japan	34.9403N	134.1680E	170	
Aigle	AIGLE	Switzerland	46.3416N	6.9534E	800	From 1998-09-01
Aigurande	NE08	Centre,France	46.4200N	1.7300E	360	From 1982-11-01 to 1984-12-31
Aikawa	AIK	Niigata,Japan	38.0217N	138.2433E	35	
Ailbek	ABKT	Turkmenistan	37.9304N	58.1189E	678	
Ainahou	AIN	Hawaii,U.S.A.	19.3750N	155.4600W	1524	From 1973-04-26
'Ain El Ouahch	CAEH	Algeria	36.7800N	6.8500E	383	
'Ain N'Sour	EANR	Algeria	35.9500N	1.1000E	727	
Ain Smara	CASM	Algeria	36.2600N	6.4900E	680	
Ainzon	NE11	Spain	41.8140N	1.5170W	440	From 1983-01-01 to 2001-07-28
Aioi	JAI	Tokushima,Japan	33.7923N	134.4515E	165	
Airport Hangar	APH	New York,U.S.A.	43.8413N	74.4970W	564	From 1974-07-01 to 1983-10-31
Airport Road	AARM	California,U.S.A.	39.2762N	121.0250W	930	From 1976-07-20
Aitape	AITP	Papua New Guinea	3.1384S	142.3489E	2	
Ait Ouarda	AIT	Morocco	32.1100N	6.5110W		From 1980-06-01
Aizawl	AZL	Mizoram,India	23.7200N	92.7300E	750	
Aizu	AID	Fukushima,Japan	37.5667N	140.1170E	526	
Ajaccio	AJAF	Corse,France	41.9833N	8.7302E	210	From 1991-12-03
Ajai Ranch	AJAR	Arizona,U.S.A.	34.8860N	110.5720W	1622	
Ajiro2	AJI	Shizuoka,Japan	35.0450N	139.0918E	59	
Ajmer	AJM	Rajasthan,India	26.4792N	74.6431E	540	
Ajmer	AJMR	Rajasthan,India	26.4791N	74.6432E	540	
Akaike	JFA	Fukuoka,Japan	33.7120N	130.7952E	130	
Akama	AKM	Fukuoka,Japan	33.8122N	130.5972E	60	
Akamas	AKMC	Cyprus	35.0270N	32.3300E	416	
Akbulak array	ABKAR	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB09	Kazakhstan	49.2614N	59.9181E	238	From 2003-10-27
Akbulak array site	AB04	Kazakhstan	49.2578N	59.9371E	249	From 2003-10-27
Akbulak array site	AB06	Kazakhstan	49.2611N	59.9693E	237	From 2003-10-27
Akbulak array site	AB05	Kazakhstan	49.2736N	59.9431E	244	From 2003-10-27
Akbulak array site	AB07	Kazakhstan	49.2410N	59.9593E	235	From 2003-10-27
Akbulak array site	AB03	Kazakhstan	49.2511N	59.9431E	243	From 2003-10-27
Akbulak array site	AB02	Kazakhstan	49.2591N	59.9466E	241	From 2003-10-27
Akbulak array site	AB31	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB01	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB08	Kazakhstan	49.2387N	59.9280E	243	From 2003-10-27
Akcadag	AKCD	Turkey	38.2956N	37.9224E	1376	From 2007-06-05
Akcakoca	AKC	Turkey	40.0244N	31.1808E	150	From 1979-12-01 to 1999-08-25
Akdeniz- K˜–br˜–s	AKDN	Cyprus	35.2977N	32.9677E	90	From 2008-11-19
Akfadou	AKF	Algeria	36.6333N	4.5667E	1545	
Akhalkalaki	AKH	Georgia	41.4100N	43.4928E	1708	From 1950-01-01
Akhelmad	IAKL	Iran	36.6022N	58.7566E	2508	From 1997-03-01
Akhisar	AKHS	Turkey	38.8788N	27.8138E	370	From 2006-07-13
Akhisar	AKS	Turkey	38.8790N	27.8130E	370	
Akhty	AKT	Dagestan,Russia	41.4800N	47.7300E	1200	
Ak˜–nc˜–lar- K˜–br˜–s	AKIN	Cyprus	35.0153N	33.4661E	230	From 2008-11-18
Akirkeby	BSD*	Denmark	55.1139N	14.9147E	88	From 1981-11-03
Akita	AKI1	Akita,Japan	39.7150N	140.1033E	2	From 1989-11-01
Akita	AKI	Akita,Japan	39.7183N	140.1017E	10	
Akita 2	AKIJ	Akita,Japan	39.7350N	140.1417E	65	From 1990-04-25
Akitakoma	KOMT	Akita,Japan	39.7800N	140.7700E	680	
Akkeshi	JAK	Abashiri,Japan	42.9962N	144.6965E	20	
Akkeshi	AKK	Kushiro,Japan	43.0171N	144.8423E	80	From 1976-07-01
Akkus	AKKT	Turkey	40.7844N	37.0136E	1593	From 1992-01-01 to 1994-06-30
Akkuyli	AKUL	Tajikistan	38.4300N	68.5800E		
Akola	AKL	Maharashtra,India	20.7028N	77.0153E	310	
Akosombo	AKGH	Ghana	6.2433N	0.0403E	377	From 1987-01-01
AKSARAY - Altinkaya	AKSY	Turkey	38.6497N	33.7607E	973	From 2011-03-16
AK-SAY(Kyrgyzstan)	ASAI	Kyrgyzstan	40.9178N	76.5210E	3021	From 2009-07-29
Aktash	AKAR	Altayskiy Kray,Russia	50.3200N	87.6200E	1380	
Aktobe	AKB	Kazakhstan	50.2600N	58.1000E		
Aktoprak	AKTT	Turkey	37.4860N	34.4680E	1550	From 1993-01-01
Aktyubinsk	AKTK	Kazakhstan	50.4348N	58.0164E	379	From 1994-10-01 to 2005-07-20
Aktyubinsk	AKTO	Kazakhstan	50.4348N	58.0164E	314	From 2005-07-20
AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	IKAT	Kazakhstan	50.4070N	58.0348E	369	From 2006-05-11
Akulivik	AKVQ	Quebec,Canada	60.8080N	78.1912W	17	From 2006-09-15
Akureyri	AKU	Iceland	65.6867N	18.1067W	24	From 1964-07-31 to 2002-11-30
Akureyri	AKU-	Iceland	65.6717N	18.1000W		
Akutan	AKUT	Alaska,U.S.A.	54.1352N	165.7719W	19	
Akutan	AKA	Alaska,U.S.A.	54.1358N	165.7700W	12	
Akutan 1	AKA1	Alaska,U.S.A.	54.1358N	165.7700W	12	
Akutan 2	AKA2	Alaska,U.S.A.	54.1242N	165.7783W	90	From 1996-08-01 to 2004-01-14
Akutan 4	AKA4	Alaska,U.S.A.	54.1100N	165.7317W	135	From 1996-08-01 to 2004-01-14
Akutan 5	AKA5	Alaska,U.S.A.	54.1552N	165.8650W	225	From 1996-08-01 to 2004-01-14
Akutan Broad B.	AKBBA	Alaska,U.S.A.	54.0984N	165.9318W	310	
Akutan Green Grass	AKGG	Alaska,U.S.A.	54.1988N	165.9916W	326	
Akutan Harbor	AHB	Alaska,U.S.A.	54.1153N	165.8157W	447	
Akutan Long Valley	AKLV	Alaska,U.S.A.	54.1627N	165.9556W	551	
Akutan Morgan	AKMO	Alaska,U.S.A.	54.0912N	166.0106W	277	
Akutan Reef Bight	AKRB	Alaska,U.S.A.	54.1301N	166.0687W	334	
Akutan Spr's Bay	HSB	Alaska,U.S.A.	54.1868N	165.9124W	497	
Akutan Strait	AKSA	Alaska,U.S.A.	54.1358N	165.6967W	213	
Akutan Volcano	AKV	Alaska,U.S.A.	54.1262N	165.9627W	863	
Akutan Zero	ZRO	Alaska,U.S.A.	54.0916N	165.9780W	446	
Akyaka	EAK	Turkey	40.6862N	43.6069E	1613	From 2009-10-01
Akyazi	AKY	Turkey	40.6630N	30.6594E	110	From 1979-01-01 to 1999-08-25
Ala-Archa	AAK	Kyrgyzstan	42.6333N	74.4944E	1680	From 1990-09-01
Alabaster Cavern State Park	ACO	Oklahoma,U.S.A.	36.6986N	99.1461W	521	From 1977-06-22
Alaid	ALID	Kamchatskaya Oblast',Russia	50.8690N	155.5500E	1400	From 2000-04-01
Alamagan	ALMG	Mariana Islands	17.6010N	145.8380E	490	From 1991-01-01
Alamo	ALA	Nevada,U.S.A.	37.2417N	115.1150W		From 1971-01-01 to 1973-04-30
Alamocita Creek, Datil	X21A	New Mexico,U.S.A.	34.4457N	107.7857W	2141	From 2008-02-09
Aland	AAL	Finland	60.1780N	19.9936E	10	From 2004-04-15
Al Areen	BEE	Bahrain	26.0167N	50.5217E		
Al Aritein	ARTJ	Jordan	32.2467N	36.8283E	1058	From 1987-02-23
Al Arnab	ARNB	Syria	35.8608N	35.9722E	930	From 1995-11-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Alasht	IALA	Iran	36.0829N	52.8099E	2600	From 2000-08-01
Al Ashush, Dubai	ASUD	United Arab Emirates	24.6260N	55.3292E	132	From 2006-09-19
Alassa	ALAS	Libya	32.8425N	11.6138E	73	
Al 'Ayyat	AYT	Egypt	29.7044N	31.1529E	145	
Al Bad'	BADA	Saudi Arabia	28.5660N	34.9620E	495	From 1986-01-01
Al Bad'	BDAS	Saudi Arabia	28.4300N	35.1000E	530	
Albannette	OG18	Rhone-Alpes,France	45.1932N	6.4290E	1455	From 1990-12-04
Albanya	ALBA	Spain	42.3128N	2.7235E	400	
Al Bayda'	BDHA	Yemen	13.9750N	45.5670E	2000	From 1994-11-01
Albemarle	AE-NC	North Carolina,U.S.A.	35.4336N	80.0597W	183	From 1966-12-16 to 1966-12-20
Albemarle	AE-	North Carolina,U.S.A.	35.4336N	80.0597W	183	From 1966-12-16 to 1966-12-20
Alberni	ALB	British Columbia,Canada	49.2717N	124.8300W	25	From 1951-01-01
Alberton, Johannesburg	ALBD	South Africa	26.2596S	28.1391E	1585	From 2010-03-19
Al Beshri	BSHR	Syria	35.6685N	39.8185E	852	From 2002-04-01
Albida	BIDA	Syria	35.0138N	36.3212E	930	From 1995-11-01
Alboran	EALB	Spain	35.9399N	3.0343W	20	
Al Budayyi	BBU	Bahrain	26.2150N	50.4567E		From 1986-01-01
Albunol	EXAL	Spain	36.7910N	3.2030W	286	
Albuquerque	ANMO	New Mexico,U.S.A.	34.9459N	106.4572W	1820	From 1974-08-01
Albuquerque	W22A	New Mexico,U.S.A.	35.0719N	106.8674W	1813	From 2008-01-09 to 2010-02-07
Albuquerque	ABQ	New Mexico,U.S.A.	34.9425N	106.4570W	1849	From 1974-01-01
Albuquerque	ALQ	New Mexico,U.S.A.	34.9425N	106.4575W	1849	
Alcan	ALC	Alaska,U.S.A.	62.6225N	141.0080W	582	From 1979-09-25
Alcanar	ALCN	Spain	40.5500N	0.4800E	177	From 2009-10-05
Alcochete	PACT	Portugal	38.7680N	8.8333W	30	
Alcott Elementary School	ALCT	Washington,U.S.A.	47.6475N	122.0370W	55	
Alcoutim	PALC	Portugal	37.4647N	7.4758W	73	
Alcova	K21A	Wyoming,U.S.A.	42.6332N	107.2510W	1960	From 2008-07-16
Aldan	ALDR	Sakha,Russia	58.6100N	125.4094E	682	
Alder Creek	ACK	Alaska,U.S.A.	65.9542N	162.1890W	377	
Alder Peak	PAPM	California,U.S.A.	35.9128N	121.3620W	1015	
Alders End	HAE	England,United Kingdom	52.0376N	2.5475W	224	From 1982-01-01
Alder Springs	GAS	California,U.S.A.	39.6548N	122.7150W	1219	From 1985-04-10
Alder Springs Broadband	GASB	California,U.S.A.	39.6547N	122.7159W	1354	
Al-Direh	DRHJ	Jordan	29.3580N	34.9620E	10	
Alegheny College	ALLY	Pennsylvania,U.S.A.	41.6492N	80.1448W	390	
Alemaya	ALME	Ethiopia	9.4300N	42.0400E	2133	From 1988-01-01
Alert	ALE	Northwest Territories,Canada	82.5033N	62.3500W	65	From 1961-09-29
Alevga	ALFC	Cyprus	35.1570N	32.5990E	520	
Alexander Bay	ALX	New York,U.S.A.	44.3225N	75.9279W	122	From 1976-08-01
Alexander City	AX-AL	Alabama,U.S.A.	32.8356N	86.1764W	183	From 1965-12-03 to 1965-12-13
Alexander City	AX-	Alabama,U.S.A.	32.8356N	86.1764W	183	From 1965-12-03 to 1965-12-13
Alexander City	AX2AL	Alabama,U.S.A.	32.7772N	86.1300W	213	From 1966-03-24 to 1967-01-16
Alexander City	AX2	Alabama,U.S.A.	32.7772N	86.1300W	213	From 1966-03-24 to 1967-01-16
Alexander Ranch	ARDC	California,U.S.A.	35.4632N	120.9783W	91	
Alexander Valley	GAXM	California,U.S.A.	38.7108N	122.7550W	379	From 1973-09-21
Alexandra	AXZ	South Island,New Zealand	45.2672S	169.3311E	260	From 1996-03-06
Alexandroupolis	ALN	Greece	40.8972N	26.0456E	110	From 1989-06-01
Alfacar	ALCS	Spain	37.2542N	3.5439W		From 1982-02-01 to 1982-03-01
Alfacar	AFC	Spain	37.2544N	3.5450W	1490	
Al Faqa, Dubai	FAQ	United Arab Emirates	24.7453N	55.5924E	203	From 2006-05-30
Al Fayyum	FYM	Egypt	29.6923N	31.0430E	200	
Alfred	ALF	New York,U.S.A.	42.2253N	77.7972W	671	From 1971-01-01 to 1978-09-30
Alfred	AFO2	Ontario,Canada	45.6308N	74.8540W	53	
Alfred	ALFO	Ontario,Canada	45.6283N	74.8842W	0	
Alfred	AFO1	Ontario,Canada	45.6282N	74.8824W	53	
ALG	MOLA	Algeria	34.6300N	0.0100E	1039	
Algarobillo	CHP4	Peru	4.5019S	80.3600W	220	
Alger-Bouzareah	ABA	Algeria	36.8017N	3.0350E	345	From 1910-01-01
Al Ghardaqah	HHRG	Egypt	27.2193N	33.5691E	227	
Algiers University	ALG	Algeria	36.7717N	3.0583E	59	From 1949-01-01 to 1982-12-31
Algodonales	EXAO	Spain	36.8820N	5.4040W	370	From 2007-09-17
Algonquin Park	ALGO	Ontario,Canada	45.9544N	78.0509W	235	
Alhama Almeria	EXAA	Spain	36.9580N	2.5680W	528	
Alhama de Murcia	EALH	Spain	37.8581N	1.4197W	294	From 1986-01-01
Alhama Granada	EXAG	Spain	37.0160N	3.9860W	900	
Al Hawiyah	HWYS	Saudi Arabia	21.4349N	40.4177E		
Alia	ALJA	Italy	37.7490N	13.7537E	700	From 2008-02-14
Aliabad	ALIA	Iran	36.7000N	54.5000E	0	
Alibeck	GEYT	Turkmenistan	37.9295N	58.1171E	610	From 2009-12-16
Alicahue	ALH	Aconcagua,Chile	32.3700S	70.7928W	1890	From 1970-08-01
Alicante	EXAI	Spain	38.3550N	0.4870W	35	
Alicante	ALI	Spain	38.3553N	0.4873W	35	
Alice Springs	ASPA	Northern Territory,Australia	23.6669S	133.9010E	555	From 1982-02-17 to 2006-05-29
Alice Springs	ASP	Northern Territory,Australia	23.6833S	133.8970E	600	From 1970-12-15 to 1982-02-15
Alice Springs Array Beam Reference Point	ASAR	Northern Territory,Australia	23.6664S	133.9040E	607	
Alice Springs Array Site 1	AS01	Northern Territory,Australia	23.6647S	133.9510E	605	From 1986-01-01
Alice Springs Array Site 10	AS10	Northern Territory,Australia	23.6969S	133.9140E	607	From 1986-01-01
Alice Springs Array Site 11	AS11	Northern Territory,Australia	23.6783S	133.8980E	608	From 1986-01-01
Alice Springs Array Site 12	AS12	Northern Territory,Australia	23.6664S	133.9040E	607	From 1986-01-01
Alice Springs Array Site 13	AS13	Northern Territory,Australia	23.6519S	133.8940E	604	From 1986-01-01
Alice Springs Array Site 14	AS14	Northern Territory,Australia	23.6517S	133.9100E	620	From 1986-01-01
Alice Springs Array Site 15	AS15	Northern Territory,Australia	23.6356S	133.9120E	669	From 1986-01-01
Alice Springs Array Site 16	AS16	Northern Territory,Australia	23.6369S	133.9300E	676	From 1986-01-01
Alice Springs Array Site 17	AS17	Northern Territory,Australia	23.6644S	133.9920E	615	From 1986-01-01
Alice Springs Array Site 18	AS18	Northern Territory,Australia	23.6900S	133.9810E	592	From 1986-01-01
Alice Springs Array Site 19	AS19	Northern Territory,Australia	23.7044S	133.9630E	577	From 1986-01-01
Alice Springs Array Site 2	AS02	Northern Territory,Australia	23.6792S	133.9370E	619	From 1986-01-01
Alice Springs Array Site 3	AS03	Northern Territory,Australia	23.6744S	133.9200E	643	From 1986-01-01
Alice Springs Array Site 4	AS04	Northern Territory,Australia	23.6597S	133.9290E	666	From 1986-01-01
Alice Springs Array Site 5	AS05	Northern Territory,Australia	23.6492S	133.9470E	683	From 1986-01-01
Alice Springs Array Site 6	AS06	Northern Territory,Australia	23.6475S	133.9710E	663	From 1986-01-01
Alice Springs Array Site 7	AS07	Northern Territory,Australia	23.6656S	133.9700E	614	From 1986-01-01
Alice Springs Array Site 8	AS08	Northern Territory,Australia	23.6814S	133.9600E	594	From 1986-01-01
Alice Springs Array Site 9	AS09	Northern Territory,Australia	23.6994S	133.9410E	591	From 1986-01-01
Alice Springs Site	AS31	Northern Territory,Australia	23.6651S	133.9053E	627	From 2005-06-20
Alicudi	ACL	Sicily,Italy	38.5331N	14.3556E	140	
Alicudi	IACL	Sicily,Italy	38.5338N	14.3565E	181	From 2007-05-10
Alishan	ALS	Taiwan region	23.5104N	120.8050E	2413	
Al Jahlan	JHLN	Syria	35.6725N	38.4411E	459	From 1995-04-01
Aljibe	ALJ	Spain	36.5299N	5.6494W	427	
Al Khamasin	KAMS	Saudi Arabia	20.3088N	44.5811E	325	
Al Kharijah	AKRG	Egypt	25.5032N	30.4985E	152	
Alki Wastewater Plant ANSS-SMO	ALKI	Washington,U.S.A.	47.5751N	122.4176W	1	From 2004-11-04
Alkurruntz	EALK	Spain	43.2197N	1.5071W	1	From 2003-07-30
All	MALI	Sicily,Italy	38.0530N	15.4000E	1005	From 1993-12-01
Alla	ALL	Buryatiya,Russia	54.7000N	110.7667E		
Alla	ALLA	Buryatiya,Russia	54.7000N	110.7667E		
Allagash	AGM	Maine,U.S.A.	47.0817N	69.0233W	238	From 1975-11-01 to 1999-01-31
Allahabad	ALBI	Uttar Pradesh,India	25.3090N	81.8085E	107	
Allard Ranch, Norris	J28A	South Dakota,U.S.A.	43.4239N	101.2359W	835	From 2009-06-02
Allegan	ACM	Michigan,U.S.A.	42.6475N	85.8517W	268	
Allendale	XAL	England,United Kingdom	54.8617N	2.2147W	462	From 1983-07-10
Allen Road	ALRZ	North Island,New Zealand	38.5638S	176.3428E	405	From 2007-11-07
Allentown	ATPA	Pennsylvania,U.S.A.	40.5767N	75.5886W	61	
Alliance	AI-NB	Nebraska,U.S.A.	42.1328N	103.2764W	1311	From 1962-11-07 to 1962-12-12
Alliance	AI-	Nebraska,U.S.A.	42.1328N	103.2764W	1311	From 1962-11-07 to 1962-12-12
Al Lith	LTHS	Saudi Arabia	20.2757N	40.4111E	121	
Al Lith	LITH	Saudi Arabia	20.7161N	40.6161E	100	
Allumiere - RM	TO02	Italy	42.1378N	11.8886E	410	From 2008-04-11 to 2009-04-02
Alma-Ata	AAA	Kazakhstan	43.2717N	76.9467E	800	
Alma-Ata	AA1	Kazakhstan	43.2717N	76.9467E	800	
Almaden	AMC	California,U.S.A.	37.1583N	121.8470W	244	From 1968-10-16
Almaden	JALM	California,U.S.A.	37.1583N	121.8470W	244	From 1968-10-16
Al Majma'ah	MJMA	Saudi Arabia	25.8550N	45.2890E	650	From 1990-03-01
Al Marj	MARJ	Libya	32.5818N	20.8757E	408	
Almaty	KNDC	Kazakhstan	43.2172N	76.9658E	900	From 2005-11-28
Almayashu	AML	Kyrgyzstan	42.1311N	73.6941E	3400	
Al-Mazaregh	MZRK	Syria	35.8266N	40.6525E	373	From 2002-04-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Almeirim	AMRP	Portugal	39.1583N	8.5750W	160	From 1990-02-01 to 2009-05-30
Almeirim	ALMR	Portugal	39.1555N	8.5768W	165	
Almeria	EXAM	Spain	36.8520N	2.4590W	65	
Almeria	ALM	Spain	36.8525N	2.4598W	65	
ALMNKUR	MNKR	Syria	35.9425N	39.2708E	376	From 2002-04-01
Al Mukalla	MUKL	Yemen	14.4760N	49.0360E	41	
Al Mukha	MUKH	Yemen	13.3150N	43.2653E	0	
Al-Naaiem	NAY	Kuwait	29.2489N	47.2421E	218	
Alonnisos	AOS	Greece	39.1703N	23.8800E	200	From 1996-07-11
Alotau	ALOA	Papua New Guinea	10.2983S	150.3770E	10	From 1984-02-03
Alotau	ALOT	Papua New Guinea	10.2960S	150.4640E	200	From 1982-11-08 to 1984-02-03
ALPA Array Beam Reference Point	ALAR	Alaska,U.S.A.	65.0653N	147.5639W	626	
ALPA Array Site 31	AL31	Alaska,U.S.A.	65.0653N	147.5639W	626	
ALPA Array Site 32	AL32	Alaska,U.S.A.	65.1944N	147.3161W		
ALPA Array Site 33	AL33	Alaska,U.S.A.	65.0286N	147.1961W		
ALPA Array Site 35	AL5	Alaska,U.S.A.	64.9447N	147.8595W		From 1993-07-01
ALPA Array Site 36	AL36	Alaska,U.S.A.	65.0978N	148.0014W		
ALPA Array Site 37	AL37	Alaska,U.S.A.	65.2333N	147.7433W		
Alpe Faloria	AFL	Italy	46.5300N	12.1800E	2235	
Alpha Peak	APW	Washington,U.S.A.	46.6517N	122.6470W	457	
Alpine	ALPW	Wyoming,U.S.A.	43.1506N	110.9980W	1792	From 1986-01-01
Alpnach	APL	Switzerland	46.9496N	8.2428E	880	From 1992-12-01 to 2004-08-05
Al-Qirein	QRNJ	Jordan	32.3350N	35.5750E	-180	
Alquife, Granada	E015	Spain	37.1743N	3.1115W	1316	From 2007-06-27 to 2009-06-25
Al-Qurain	QRN	Kuwait	28.7444N	47.9177E	135	
Al-Radifah	RDF	Kuwait	28.9259N	47.5497E	180	
Al Salmeh	SLMH	Syria	36.2139N	37.9278E	510	From 1995-04-01
Al Shahba	SHBJ	Jordan	32.3025N	37.8280E	960	From 1987-10-24
Al Sharaya	SHRA	Saudi Arabia	21.4789N	39.9681E	413	From 1995-01-01
Al Sooda	SODA	Saudi Arabia	18.2900N	42.3740E	2600	From 1989-06-06
Alsterbro	ATR	Sweden	56.9950N	15.9180E	119	From 1980-01-01
Alston	ALST	Oregon,U.S.A.	46.1090N	123.0329W	198	
Alta	AAU	Utah,U.S.A.	40.5919N	111.6380W	2694	From 1974-11-01 to 1976-04-30
Altamira	ATB	Para,Brazil	3.2878S	52.2250W		
Altamura	AMUR	Italy	40.9071N	16.6041E	443	From 2005-08-03
Alta Sierra Campground	WASM	California,U.S.A.	35.7382N	118.5570W	1871	
Alta Urco	ALTA	Ecuador	2.4737S	78.9893W	2700	From 1996-03-05
Alteburg	ABH	Rheinland-Pfalz,Germany	49.8817N	7.5475E	618	From 1993-01-01
Alter Ridge	ALD	Washington,U.S.A.	45.8194N	120.0670W	427	From 1975-11-01
Altiaghaj	ATGJ	Azerbaijan	40.8610N	48.9380E	1133	From 2009-09-07
Altintas	ALT	Turkey	39.0552N	30.1103E	1060	From 1973-06-27
Altinyayla-SIVAS	CUALT	Turkey	39.2733N	36.7583E	1482	From 2010-07-06
Altmuhljura-Amtmannsdorf	ALTM	Bayern,Germany	48.9950N	11.5200E	430	From 2003-01-01
Alto Anchicaya	ANCC	Colombia	3.5153N	76.8667W	540	
Alto Bandera	DR10	Dominican Republic	18.8082N	70.6878W	2470	
Alto Masis	AMAS	Costa Rica	10.6115N	84.9930W	979	From 2000-01-01
Altona	ATO	Oklahoma,U.S.A.	35.7922N	98.1195W	364	From 1982-11-11
Altoona	AS-PA	Pennsylvania,U.S.A.	40.7331N	78.5239W	469	
Altos	ACH	Panama	8.6635N	79.9292W	900	
Alturitas	ALTV	Venezuela	9.7516N	72.4178W		
Altzomoni	IIA	Mexico D.F.,Mexico	19.1495N	98.6583W		
Al 'Udayn	UDYN	Yemen	13.9670N	43.9670E	1370	From 1994-11-01
Alum Ck. St. Park	ACOH	Ohio,U.S.A.	40.2318N	82.9833W		
Alum Creek State Park	ACSO	Ohio,U.S.A.	40.2319N	82.9820W	288	
Alushta	ALU	Ukraine	44.6820N	34.4030E	61	
Al'Uyaynah	AYN	Saudi Arabia	28.8660N	36.0010E	770	From 1986-01-01
Alvares	PCAL	Portugal	40.0309N	8.0718W	454	From 2010-01-01
Alvey	ALVY	Oregon,U.S.A.	43.9981N	123.0158W	155	
Alvord Mountain	ALV	California,U.S.A.	35.0617N	116.6289W	640	
Al Wahab	WHAB	Syria	35.9171N	37.5520E	630	From 1995-04-01
Al Wajh	WAJH	Saudi Arabia	26.1760N	36.5600E	75	From 1988-06-20
Alzada	G24A	Montana,U.S.A.	45.3280N	104.4163W	1147	From 2008-11-25
Amaminishikomi	JAMN	Ryukyu Islands,Japan	28.2430N	129.1750E	10	From 2009-03-01
Amami Oshima	JAM	Ryukyu Islands,Japan	28.4113N	129.6052E	15	
Amanu	AMN	Tuamotu,French Polynesia	17.8506S	140.8590W	2	From 1976-01-01
Amara	AMRR	Romania	44.6103N	27.3354E	67	
Amargosa	AMDNV	Nevada,U.S.A.	36.4526N	116.2809W	0	
Amargosa	AMR	California,U.S.A.	36.3975N	116.4745W	725	From 1978-07-24 to 2002-12-10
Amarillo	AZ-TX	Texas,U.S.A.	35.4300N	101.9306W	988	From 1963-08-28 to 1964-03-06
Amarillo	AZ-	Texas,U.S.A.	35.4300N	101.9306W	988	From 1963-08-28 to 1964-03-06
Amarillo	AMTX	Texas,U.S.A.	34.8837N	101.6808W	1010	From 2004-09-30
Amasugawa 1	AM1	Shiga,Japan	35.4444N	135.9186E	250	
Amasugawa 2	AM2	Shiga,Japan	35.4441N	135.9215E	180	
Amatignak Island	AMA	Alaska,U.S.A.	51.2884N	179.1090W	503	From 1970-10-09 to 1973-04-30
Amatzia	AMAZ	Israel	31.5325N	34.9154E	396	From 2005-12-05
Amatzia	AMZI	Israel	31.4590N	34.9125E	151	
Ambar	AMP	Pakistan	34.0550N	72.4150E	361	
Ambatonomby	OBY	Madagascar	19.3680S	47.4570E	1625	
Amberd	AMBZ	Armenia	40.3880N	44.2590E	2200	
Ambohiby	ATG	Madagascar	18.8790S	46.1880E	1520	From 1994-06-16
Ambohidratompo	OPO	Madagascar	18.5706S	47.1879E	1463	From 1978-11-17
Ambohimiarambe	ABM	Madagascar	19.7810S	47.3650E	1843	From 1982-03-23
Ambohimpanom	ABPO	Madagascar	19.0174S	47.2275E	1528	
Ambon	AAI	Ambon,Indonesia	3.6870S	128.1945E	80	From 1975-01-01
Ambon	AMO	Ambon,Indonesia	3.7000S	128.1670E		
Amboy	F04A	Washington,U.S.A.	45.9325N	122.4193W	211	From 2005-10-25 to 2008-10-27
Amboy	AB-	West Virginia,U.S.A.	39.3306N	79.5669W	914	
Amboy	AB-WV	West Virginia,U.S.A.	39.3306N	79.5669W	914	
Ambulong	AMB	Luzon,Philippines	14.0833N	121.0500E	10	From 1910-01-01 to 1999-08-25
Amchitka	AC-IS	Alaska,U.S.A.	51.3894N	179.3425E	61	
Amchitka	ASC	Alaska,U.S.A.	51.4631N	179.1580E		From 1969-07-28 to 1972-12-11
Amchitka	AMC*	Alaska,U.S.A.	51.4097N	179.2922E	0	From 1965-01-01 to 1966-01-01
Amchitka	ASD	Alaska,U.S.A.	51.3907N	179.3420E		From 1969-05-29 to 1973-04-30
Amchitka	AMKA	Alaska,U.S.A.	51.3783N	179.3019E	115	
Amchitka	ASB	Alaska,U.S.A.	51.3604N	179.2470E		From 1969-05-25 to 1973-04-30
Amchitka	AWA	Alaska,U.S.A.	51.3746N	179.2530E		
Amchitka	AEB	Alaska,U.S.A.	51.3604N	179.2470E		
Amchitka	ANB	Alaska,U.S.A.	51.6062N	178.7920E		From 1970-10-14 to 1971-04-30
Amchitka	ANA	Alaska,U.S.A.	51.6277N	178.6560E		From 1969-08-25 to 1973-04-30
Amchitka	AND	Alaska,U.S.A.	51.5623N	178.9530E	186	From 1970-07-18 to 1973-04-30
Amchitka Central A	ACA	Alaska,U.S.A.	51.4809N	179.1190E	42	From 1971-05-08 to 1972-12-11
Amchitka Central B	ACB	Alaska,U.S.A.	51.4626N	179.0910E	47	From 1971-05-08 to 1972-06-30
Amchitka Central C	ACC	Alaska,U.S.A.	51.4843N	179.0430E	26	From 1971-05-08 to 1972-06-30
Amchitka Central D	ACD	Alaska,U.S.A.	51.4282N	179.1370E	37	From 1971-05-08 to 1972-06-30
Amchitka Central E	ACE	Alaska,U.S.A.	51.4005N	179.1730E	9	From 1971-05-08 to 1972-06-30
Amchitka Central F	ACF	Alaska,U.S.A.	51.5258N	178.9940E	62	From 1971-05-08 to 1972-06-30
Amchitka East	AME	Alaska,U.S.A.	51.3867N	179.2550E		
Amderma	AMD	Arkhangel'skaya Oblast',Russia	69.7667N	61.6833E		
AMECAMECA	AMVM	Mexico	19.1318N	98.7858W	2458	From 2009-08-18
Amelia	AMI	Italy	42.5851N	12.4286E		
Amelia	AM9	Italy	42.5851N	12.4286E		From 1980-06-01 to 1980-07-01
American Fork	AMF	Utah,U.S.A.	40.4020N	111.7880W	1445	
Americas 2	WILN	Nicaragua	12.1607N	86.1875W	20	
Americus	AMG	Georgia,U.S.A.	32.0594N	84.2177W	106	From 1973-09-01
Ammassalik, Greenland	ANGG	Greenland	65.6160N	37.6370W	0	From 2000-02-03
Amo	AMJ	Gifu,Japan	36.2494N	137.0280E	620	From 1975-08-05
Amorgos	AMOR	Greece	36.9898N	25.9863E	240	
Amos	AMS	California,U.S.A.	33.1413N	115.2540W	140	From 1973-04-16 to 2008-02-22
Ampana	APSI	Sulawesi,Indonesia	0.9108S	121.6487E	0	From 2007-12-01
Amraillo	W29A	Texas,U.S.A.	35.1212N	101.6476W	1072	From 2009-01-21
Amsterdam Island	AIS	Amsterdam Island	37.7966S	77.5694E	36	
Anacapa Island	AIC	California,U.S.A.	34.0133N	119.4370W	113	From 1973-02-23
Anaconda	AMM	Montana,U.S.A.	46.0942N	112.9510W	2051	
Anadyr'	ANDR	Magadanskaya Oblast',Russia	64.7340N	177.4950E	55	
Anaheim Lake	ALRB	British Columbia,Canada	52.5103N	125.0844W	1237	From 2006-08-30
Anan'yevo	ANVS	Kyrgyzstan	42.7830N	77.6670E	1860	
Anapa	ANN	Krasnodarskiy Kray,Russia	44.8000N	37.4330E	35	
Anatahan	ANA2	Mariana Islands	16.3412N	145.7115E	314	
Anatahan	ANAT	Mariana Islands	16.3530N	145.6560E	510	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Anatahan S. Rim	AFOK	Mariana Islands	16.3416N	145.6746E	418	
Anchorage	AMU	Alaska,U.S.A.	61.1917N	149.8050W	53	From 1965-02-01 to 1975-12-05
Anchorage	ANI*	Alaska,U.S.A.	61.2417N	149.8270W		From 1964-03-30 to 1964-06-27
Anchorage	ANH	Alaska,U.S.A.	61.2417N	149.8267W	30	From 1964-03-30 to 1964-06-27
Anchorite	ANCR	Nevada,U.S.A.	38.1732N	118.7537W	2250	
Ancon	PP10	Peru	11.7723S	77.1432W	56	
Ancona	ANS	Italy	43.5522N	13.4622E	295	From 1973-01-01
Ancona	AOI	Italy	43.5500N	13.6020E	530	
Andalgala	ANL	Catamarca,Argentina	27.6167S	66.3167W		
Anderson	ANTN	Tennessee,U.S.A.	36.1717N	85.2313W	612	
Anderson Farm, Haxtun	N27A	Colorado,U.S.A.	40.8063N	102.5367W	1228	From 2008-12-04
Anderson Peak	BAPM	California,U.S.A.	36.1758N	121.6430W	1219	
Anderson Ranch, Garber	U34A	Oklahoma,U.S.A.	36.4365N	97.5354W	345	From 2009-10-23
Anderson Ranch, Keeline	K24A	Wyoming,U.S.A.	42.7225N	104.8152W	1593	From 2008-10-24
Anderson Res.	CADM	California,U.S.A.	37.1638N	121.6258W		From 1967-08-25
Anderson Reservoir	ADR	California,U.S.A.	37.1638N	121.6258W	207	From 1967-08-25
Andimeshk	IAND	Iran	32.4250N	48.3556E	0	From 1998-01-01
Andirin	ANDN	Turkey	37.5800N	36.3452E	1142	From 2006-11-06
Andizhan	ANR	Uzbekistan	40.7550N	72.3600E	494	
Andong	KSAND	South Korea	36.5687N	128.7057E	139	From 1999-04-16
Andong	KSADO	South Korea	36.4121N	128.9488E	0	From 2007-12-26
Andorre	PAND	Andorra	42.5225N	1.5467E	1857	From 1991-10-25
Anegada	ABV	Virgin Islands	18.7298N	64.3320W	35	From 2004-06-01
Anegada Island	ABVI	Puerto Rico,Puerto Rico	18.7297N	64.3325W	8	
Angavokely	AVY	Madagascar	18.9279S	47.7376E	1807	From 1973-01-01
Angela	AN-MA	Montana,U.S.A.	46.7522N	106.0917W	907	From 1964-11-16 to 1965-06-11
Angela	AN-	Montana,U.S.A.	46.7522N	106.0917W	907	From 1964-11-16 to 1965-06-11
Angel Island	CAIM	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel Island	AGC	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel Island	LT13	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel's Peak	APK	Nevada,U.S.A.	36.3194N	115.5740W	2680	From 1975-06-15 to 1983-09-06
Angels Peak	APKW	Nevada,U.S.A.	36.3198N	115.5868W	2580	From 1983-09-06 to 2002-10-10
Angle Creek	ANCK	Alaska,U.S.A.	58.1988N	155.4940W	869	From 1996-08-01
Angle Creek Headwaters	ACHA	Alaska,U.S.A.	58.2107N	155.3260W	960	From 1996-08-01
Angle Mountain	ANGW	Wyoming,U.S.A.	43.8318N	110.1900W	2743	From 1990-09-01
Angol	AGCH	Maule,Chile	37.8093S	72.6964W	81	From 2005-12-20
Angol	ANGC	Malleco,Chile	37.7833S	72.7083W	70	From 1988-01-01
Angono	ARP	Luzon,Philippines	14.5380N	121.1530E	85	
Angora Road	ANWZ	North Island,New Zealand	40.4615S	176.4749E	132	From 2008-08-07
Angostura	ANGV	Venezuela	9.7050N	69.5217W	680	From 1984-01-01 to 1999-08-25
Angra dos Reis-Rio de Janeiro-Brazil	ESAR	Rio de Janeiro	23.0207S	44.4403W	5	From 2006-09-03
Angra Heroismo	ADH	Azores,Portugal	38.6550N	27.2350W	83	
Angra Heroismo	ADH0	Azores,Portugal	38.6633N	27.2066W	100	From 1988-12-12 to 2000-05-17
Angren	ANE	Uzbekistan	41.0100N	70.2600E	951	
Angureal	ANGU	Ecuador	0.0468N	78.0083W	4680	From 2005-09-20
Aniakchak	ANON	Alaska,U.S.A.	56.9198N	158.1716W	445	
Aniakchak	ANI	Alaska,U.S.A.	57.0417N	158.0400W	0	
Aniakchak	AZAC	Alaska,U.S.A.	56.8954N	158.2307W	1057	
Aniakchak	ANKA	Alaska,U.S.A.	56.9058N	158.2290W	863	From 1994-08-01
Aniakchak Crater	ANIA	Alaska,U.S.A.	56.9056N	158.2293W	930	
Aniakchak Jack	AJAX	Alaska,U.S.A.	56.8895N	158.2215W	967	
Aniakchak Northeast	ANNE	Alaska,U.S.A.	56.9127N	158.0589W	705	
Aniakchak Northwest	ANNW	Alaska,U.S.A.	56.9664N	158.2149W	816	
Aniakchak Peak	ANPK	Alaska,U.S.A.	56.8418N	158.1261W	972	
Aniakchak Plenty Bear	ANPB	Alaska,U.S.A.	56.8024N	158.2808W	658	
Anini-y	AAP	Panay,Philippines	10.4200N	121.9440E	50	
Anjarah	ANJJ	Jordan	32.3010N	35.7710E	1075	
Anjilo	IANJ	Iran	35.4672N	53.9144E	2135	From 1999-05-01
Ankara	DAD	Turkey	39.9082N	32.7536E	875	From 2007-12-27
Ankara	ANK	Turkey	39.9167N	32.8167E		
Ankara	ANTO	Turkey	39.8689N	32.7936E	883	From 1978-08-01
Anmore	ANMB	British Columbia,Canada	49.3187N	122.8585W	179	
Anmyeondo	KSANM	South Korea	36.5000N	126.3000E	47	From 2002-11-07
Anna	AN1	Ohio,U.S.A.	40.4792N	84.1308W	323	From 1976-01-15 to 1999-08-25
Anna	AN12	Ohio,U.S.A.	40.9214N	84.1822W	226	
Anna	AN10	Ohio,U.S.A.	40.4728N	84.4700W	297	
Anna	AN8	Ohio,U.S.A.	40.2444N	84.2864W	302	
Anna	AN11	Ohio,U.S.A.	40.5639N	84.6803W	267	
Anna	AN3	Ohio,U.S.A.	40.5486N	83.8122W	326	
Anna	AN4	Ohio,U.S.A.	40.2219N	83.8978W	346	
Anna	AN7	Ohio,U.S.A.	40.8233N	83.8600W	281	
Anna	AN9	Ohio,U.S.A.	40.7111N	84.4969W	255	
Ann Arbor	AAM	Michigan,U.S.A.	42.3012N	83.6567W	172	From 1940-01-01
An Nimas	NAMS	Saudi Arabia	19.1702N	42.2021E	2328	
Anninata	KFL	Greece	38.1096N	20.7880E	264	From 2006-09-30
Annsville	ANNS	New York,U.S.A.	41.3140N	73.9132W	42	
Ano Chora	ANX	Greece	38.5933N	21.9209E	1019	From 2010-11-25
Anoyia	IDI	Crete,Greece	35.2880N	24.8900E	750	
Anpu	ANP	Taiwan region	25.1865N	121.5200E	826	From 1963-03-14
Anshas	MANS	Egypt	30.9560N	31.5180E	45	
Anshuo	EAST	Taiwan region	22.3830N	120.8480E	445	
Antalya	ANTB	Turkey	36.8998N	30.6538E	20	From 2004-03-12
Antalya-Kepez	KEPZ	Turkey	36.9015N	31.6039E	615	From 2010-11-12
ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT	ANTKI	Madagascar	19.0109S	47.3050E	1385	From 2001-10-15
Antelope	ALPC	California,U.S.A.	34.6871N	118.2995W	753	
Antelope Grade	PAGM	California,U.S.A.	35.7320N	120.2490W	482	
Antelope Island	ANU	Utah,U.S.A.	41.0397N	112.2320W	1353	From 1975-11-01 to 1991-08-27
Antelope Mountain	LAMM	California,U.S.A.	41.6098N	122.6256W	1769	
Antelope Range	ARUT	Utah,U.S.A.	37.7880N	113.4400W	1646	From 1980-12-01
Antelope Ridge	ANTR	New Mexico,U.S.A.	32.2637N	103.4110W	1056	From 1991-01-01
Antelope Valley	BAVM	California,U.S.A.	36.6459N	121.0301W	572	From 1975-07-02
Antenna a Mare	ME06	Italy	38.1595N	15.4647E	1134	From 2007-11-15 to 2008-04-15
Antennamare	ATN	Sicily,Italy	38.1595N	15.4647E	1130	
Antibes	ANTF	Provence-Cote d'Azur,France	43.5640N	7.1230E	54	From 2003-01-06
Anticline Ridge	PARM	California,U.S.A.	36.2492N	120.3420W	485	From 1975-09-05
Antigua	AWI	Antigua,Antigua and Barbuda	17.1430N	61.8350W	23	From 1955-06-24 to 1963-10-06
Antigua	ANG	Antigua,Antigua and Barbuda	17.1550N	61.8300W	27	From 1966-04-20
Antikythira Island	ANKY	Greece	35.8670N	23.3012E	143	From 2008-07-23
Antillo	AIO	Sicily,Italy	37.9712N	15.2330E	751	
Antioch	CACM	California,U.S.A.	36.9762N	121.7600W	74	From 1973-10-26
Antioch Church	ACTN	Tennessee,U.S.A.	36.3470N	89.3100W	143	
Antisana	ANTI	Ecuador	0.4492S	78.1612W	4510	From 1991-08-09
Antlers	AL-OK	Oklahoma,U.S.A.	34.3581N	95.6125W	213	From 1962-07-04 to 1962-07-11
Antlers	AL-	Oklahoma,U.S.A.	34.3581N	95.6125W	213	From 1962-07-04 to 1962-07-11
Antofagasta	ANCH	Antofagasta,Chile	23.6820S	70.4100W	60	
Antofagasta	ANT	Antofagasta,Chile	23.7050S	70.4153W	80	From 1962-12-28
Antumapu	ANTU	Santiago,Chile	33.5691S	70.6335W	640	
Anvil Mountain	ANV	Alaska,U.S.A.	64.5655N	165.3720W	330	From 1976-08-01
Anzar Reservoir 9	AN9*	California,U.S.A.	37.0140N	122.0362W	129	
Anzar Road	HAZM	California,U.S.A.	36.8847N	121.5910W	122	From 1967-06-29
Anzar Road	ANZ	California,U.S.A.	36.8847N	121.5910W	122	From 1967-06-29
Aoalbol	IADA	Iceland	65.0190N	15.5750W	443	From 1998-09-19
Aobayama	AOB	Miyagi,Japan	38.2483N	140.8470E	87	From 1967-04-01
Aomori	AOM1	Aomori,Japan	40.8200N	140.7733E	3	From 1989-12-01
Aomori	AOM	Aomori,Japan	40.8167N	140.7833E	5	
Aomori 2	AOMJ	Aomori,Japan	40.5600N	140.3730E	8	From 1978-01-01
Aomori 3	AOM3	Aomori,Japan	40.7767N	140.8170E	150	From 1990-04-21
Aou	AOU	Kochi,Japan	33.7923N	133.7710E	470	From 1972-04-01
Aouinet Torkoz	ANTZ	Morocco	28.4747N	9.8547W	300	From 1991-12-18
Aoulouz	ALZ	Morocco	30.6960N	8.1410W	800	
Apacha	APC	Kamchatskaya Oblast',Russia	52.9250N	157.1581E	100	
Apache	AP-	Oklahoma,U.S.A.	34.8331N	98.4358W	427	
Apache	AP-OK	Oklahoma,U.S.A.	34.8331N	98.4358W	427	
Apache Junction	GVA	Arizona,U.S.A.	33.4214N	111.5748W	507	From 1994-01-05
Apakhonchich	APN	Kamchatskaya Oblast',Russia	56.0000N	160.8300E	700	
Apatity	APA	Murmanskaya Oblast',Russia	67.5689N	33.4050E	182	
Apatity Array Beam Reference Point	APAES	Murmanskaya Oblast',Russia	67.6061N	32.9931E	200	
Apatity Array Site A0	APA0	Murmanskaya Oblast',Russia	67.6061N	32.9931E	200	From 1992-09-01
Apatity Array Site A1	APA1	Murmanskaya Oblast',Russia	67.6078N	32.9931E	200	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Apatity Array Site A2	APA2	Murmanskaya Oblast',Russia	67.6053N	32.9964E	200	
Apatity Array Site A3	APA3	Murmanskaya Oblast',Russia	67.6047N	32.9894E	200	
Apatity Array Site B1	APB1	Murmanskaya Oblast',Russia	67.6067N	33.0047E	200	
Apatity Array Site B2	APB2	Murmanskaya Oblast',Russia	67.5983N	33.0017E	200	
Apatity Array Site B3	APB3	Murmanskaya Oblast',Russia	67.6028N	32.9861E	200	
Apatity Array Site B4	APB4	Murmanskaya Oblast',Russia	67.6078N	32.9831E	200	
Apatity Array Site B5	APB5	Murmanskaya Oblast',Russia	67.6100N	32.9928E	200	
Apatity Array Site Z9	APZ9	Murmanskaya Oblast',Russia	67.5686N	33.4050E	200	
Apeiranthos	APE	Greece	37.0689N	25.5306E	620	From 1975-11-01
Aper	APER	Greece	35.5504N	27.1741E	250	
Apex site 3 Nunavut	AP3N	Northwest Territories,Canada	69.4586N	84.4616W	437	From 2005-08-17
Apia	API	Samoa Islands	13.8072S	171.7750W	2	From 1902-01-01
Apoyeque	APYN	Nicaragua	12.2338N	86.3500W	300	
Apoyeque	APY	Nicaragua	12.2277N	86.3528W	260	From 1975-01-01
Apoyo	APON	Nicaragua	11.9167N	86.0667W	600	
Appelbo	APP	Sweden	60.5390N	13.9280E	340	From 1969-01-01
Appiano	APPI	Italy	46.4787N	11.2281E	1056	From 2003-11-12
Apres Vouz Peak	AVOW	Wyoming,U.S.A.	43.6111N	110.8140W	2036	From 1986-01-01
Aqaba	AQBJ	Jordan	29.7280N	35.0500E	170	From 1989-10-23
Aqua Casa	AQ6*	Sicily,Italy	38.4856N	14.9317E		From 1966-04-01 to 1966-05-01
Aqua Vermelha	AGVB	Minas Gerais,Brazil	19.7394S	50.2331W	393	From 1993-03-01
Aquidauana	AQDB	Mato Grosso,Brazil	20.4800S	55.7000W	155	From 2003-07-01
Aquila	MMIG	Michoacan,Mexico	18.2885N	103.3455W	64	From 2006-07-08
Aracena	ARAC	Spain	37.8923N	6.5647W	675	
Aradan	ARDR	Altayskiy Kray,Russia	52.5800N	93.4300E	950	
Arado	A492	Costa Rica	10.2138N	85.5963W	0	From 2000-01-01
Arahi	RAHZ	North Island,New Zealand	38.9179S	177.0858E	472	From 2008-05-15
Arakani	ARKR	Dagestan,Russia	42.6028N	46.9944E	750	
Arakawa	K06	Iwate,Japan	39.4181N	141.5464E	363	
Araks	AKSZ	Armenia	40.1910N	43.8850E	1160	
Aral	ARLS	Kyrgyzstan	41.8610N	74.3230E	1640	
Aranda	RNDA	Australian Capital Territory,Australia	35.2580S	149.0820E	666	From 2007-01-01
Arangoiti	YARA	Spain	42.6477N	1.1902W	1303	From 2009-12-11
Aranguren	EARA	Spain	42.7727N	1.5797W	476	From 2005-07-07
Arapaho	V32A	Oklahoma,U.S.A.	35.7202N	99.0437W	533	From 2009-10-29
Arapuni	ARA	North Island,New Zealand	38.0833S	175.6500E	65	From 1930-07-01 to 1950-10-31
Araqi	ARQ	Oman	23.3366N	56.5219E	400	From 2001-07-01
Ararat	ARRZ	Armenia	39.8540N	44.6970E	850	
'Arava Valley	ARVI	Israel	30.6400N	35.1870E		
Araxos	AXS	Greece	38.1962N	21.3763E	97	From 2009-05-27
ARAXOS	ARX	Greece	38.1897N	21.4135E	196	From 2006-01-06
Arbavere	ARBE	Estonia	59.4365N	25.9841E	71	From 2011-01-20
Arbois	ARBF	Provence-Cote d'Azur,France	43.4917N	5.3325E	185	From 1998-11-01
Arbon	K15A	Idaho,U.S.A.	42.6852N	112.5305W	1566	From 2007-07-24 to 2009-05-07
Arbuckle	GARM	California,U.S.A.	38.9552N	122.2520W	268	
Arcadia Dam	ADOK	Oklahoma,U.S.A.	35.6521N	97.3711W	316	
ARCALIA	ARCR	Romania	47.0855N	24.3537E	385	
Arcata	ARC	California,U.S.A.	40.8777N	124.0774W	30	From 1948-02-27
Arcavacata	ACI	Italy	39.3508N	16.2031E	300	From 1976-05-18
ARCESS Array Beam Reference Point	ARCES	Norway	69.5349N	25.5058E	403	
ARCESS Array Site A0	ARA0	Norway	69.5349N	25.5059E	403	
ARCESS Array Site A1	ARA1	Norway	69.5363N	25.5071E	411	
ARCESS Array Site A2	ARA2	Norway	69.5338N	25.5078E	392	
ARCESS Array Site A3	ARA3	Norway	69.5346N	25.5019E	402	
ARCESS Array Site B1	ARB1	Norway	69.5379N	25.5079E	414	
ARCESS Array Site B2	ARB2	Norway	69.5357N	25.5134E	397	
ARCESS Array Site B3	ARB3	Norway	69.5324N	25.5106E	376	
ARCESS Array Site B4	ARB4	Norway	69.5328N	25.4998E	378	
ARCESS Array Site B5	ARB5	Norway	69.5363N	25.4985E	405	
ARCESS Array Site C1	ARC1	Norway	69.5411N	25.5079E	381	
ARCESS Array Site C2	ARC2	Norway	69.5383N	25.5229E	395	
ARCESS Array Site C3	ARC3	Norway	69.5329N	25.5231E	376	
ARCESS Array Site C4	ARC4	Norway	69.5293N	25.5117E	377	
ARCESS Array Site C5	ARC5	Norway	69.5300N	25.4982E	374	
ARCESS Array Site C6	ARC6	Norway	69.5341N	25.4882E	395	
ARCESS Array Site C7	ARC7	Norway	69.5396N	25.4936E	362	
ARCESS Array Site D1	ARD1	Norway	69.5483N	25.5093E	395	
ARCESS Array Site D2	ARD2	Norway	69.5452N	25.5308E	366	
ARCESS Array Site D3	ARD3	Norway	69.5366N	25.5483E	331	
ARCESS Array Site D4	ARD4	Norway	69.5271N	25.5362E	371	
ARCESS Array Site D5	ARD5	Norway	69.5214N	25.5118E	351	
ARCESS Array Site D6	ARD6	Norway	69.5227N	25.4900E	413	
ARCESS Array Site D7	ARD7	Norway	69.5294N	25.4707E	413	
ARCESS Array Site D8	ARD8	Norway	69.5384N	25.4686E	368	
ARCESS Array Site D9	ARD9	Norway	69.5454N	25.4857E	359	
ARCESS Array Site E0	ARE0	Norway	69.5348N	25.5057E	403	
Arcevia	ARV	Italy	43.4977N	12.9410E	459	From 1983-06-01
Arcevia	ARVD	Italy	43.4981N	12.9415E	461	
Archignac	ARH	Aquitaine,France	45.0097N	1.3117E	320	
Arcidosso	ARCI	Italy	42.8519N	11.4754E	1080	From 2005-05-04
Arctowski Station	AAS	South Shetland Islands	62.1600S	58.4625W	15	From 1978-04-01 to 2000-06-29
Arden House	ARNY	New York,U.S.A.	41.3032N	74.1145W	430	
Ardmore	AM-	Oklahoma,U.S.A.	34.0478N	97.4114W	274	From 1961-12-08 to 1961-12-20
Ardmore	AM-OK	Oklahoma,U.S.A.	34.0478N	97.4114W	274	From 1961-12-08 to 1961-12-20
Ardon	ARNR	Severo-Osetinskaya,Russia	43.1893N	44.2792E	428	From 2001-01-31
Areado	AREB	Brazil	21.3625S	46.1234W	982	
Arecibo	APR	Puerto Rico	18.4422N	66.7247W	50	From 1975-11-14
Arecibo Observatory	AOPR	Puerto Rico	18.3466N	66.7539W	355	
Arenal	AR1	Costa Rica	10.4586N	84.7322W	595	
Arenal	AREE	Ecuador	1.4823S	78.4213W	4005	
Arenal 1	ARE1	Costa Rica	10.4610N	84.7188W	359	From 2000-01-01
Arenal Observatory Lodge	AROL	Costa Rica	10.4373N	84.7092W	720	
Arenas del Rey	EXAR	Spain	36.9580N	3.8940W	927	
Arenillas	ARNL	Colombia	3.5478S	80.0670W	44	From 2008-12-17
Arequipa	ARE	Peru	16.4621S	71.4913W	2452	
Arette	NE10	Aquitaine,France	43.0860N	0.6990W	480	From 1982-11-01 to 2001-07-28
Arette	ATE	Aquitaine,France	43.0858N	0.7003W	480	From 1977-12-01
Argentiere	OGAG	Provence-Cote d'Azur,France	44.4547N	6.5410E	1300	
Argentine Island	AIA	Antarctic Peninsula	65.2500S	64.2667W	11	From 2001-01-10
Arges	ARR	Romania	45.3675N	24.6336E	871	
Argonne	AO-WS	Wisconsin,U.S.A.	45.6067N	88.9503W	518	
Argonne	AO-	Wisconsin,U.S.A.	45.6067N	88.9503W	518	
Argonne North	ARNI	Idaho,U.S.A.	43.6667N	112.6240W	1553	From 1990-08-14
Argyle Ridge	ARGU	Utah,U.S.A.	39.8228N	110.5437W	2828	
Arica	ARI	Tarapaca,Chile	18.5294S	70.1769W	250	
Arica	ARCH	Chile	18.4906S	70.2965W	58	From 2008-10-17
Arida	ARD	Wakayama,Japan	34.0859N	135.1620E	40	From 1958-12-01
Arik	KRX	Kamchatskaya Oblast',Russia	53.3590N	158.6490E	1413	From 2009-08-01
Arisaig	KAR1	Scotland,United Kingdom	56.9188N	5.8290W	186	From 1983-01-01
Arizona State University	ASU	Arizona,U.S.A.	33.4163N	111.9350W	354	From 1971-11-01
Arkansas Junction, Hobbs	127A	New Mexico,U.S.A.	32.6764N	103.3575W	1160	From 2008-03-16 to 2010-03-03
Arkaroola	ARKL	South Australia,Australia	30.2760S	139.3390E	520	
Arkhangelos	ARG	Greece	36.2161N	28.1261E	170	From 1966-07-10
Arkhangelos	RHD	Greece	36.2161N	28.1261E	170	From 1966-07-10
Arkit	ARK	Kyrgyzstan	41.7980N	71.9630E	1280	
Arlington	R26A	Colorado,U.S.A.	38.3009N	103.4470W	1304	From 2008-11-30
Arlington Trafton Elementary School	ATES	Washington,U.S.A.	48.2364N	122.0592W	62	
Armento	ARME	Italy	40.3163N	16.0321E	989	
Armidale	ARMA	New South Wales,Australia	30.4183S	151.6293E	1112	From 1995-09-12
Armutlu	ARMT	Turkey	40.5656N	28.8616E	418	
Army Bay	ABAZ	North Island,New Zealand	36.6020S	174.8322E	74	From 2008-10-13
Army Corps of Engineers Seattle ANSS	ACES	Washington,U.S.A.	47.5595N	122.3411W	55	From 2000-07-06
Arna	ARNS	Norway	60.4500N	5.4700E	30	From 2002-01-01
Arnica Sink	LASM	California,U.S.A.	41.5993N	121.5770W	2060	
Arnoeviken	ARNU	Sweden	61.6920N	17.3780E	100	From 2000-07-15
Arnold Ranch	ARN	California,U.S.A.	37.3493N	121.5327W	628	
Arnold Ranch	CAOM	California,U.S.A.	37.3493N	121.5330W	628	
Aropaoanui	ARHZ	North Island,New Zealand	39.2631S	176.9959E	270	From 2010-03-11
Arp	ARPT	Tennessee,U.S.A.	35.7560N	89.6733W	122	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ar Rass	ARSS	Saudi Arabia	25.8810N	43.2365E	720	
Arrayan	ARRY	Ecuador	1.5063S	78.4552W	2900	From 1994-10-29
Ar Rayn	RAYN	Saudi Arabia	23.5225N	45.5032E	631	
Ar Rifa	BRF	Bahrain	26.0733N	50.5833E		
Arriondas	EARI	Spain	43.3012N	5.2099W	680	
Arroyo Pinares	AAPN	Spain	37.3077N	4.1210W	1160	
Arroyo Seco	AASM	California,U.S.A.	38.4300N	121.1090W	65	
Arshan	ARS	Irkutskaya Oblast',Russia	51.9203N	102.4233E	970	
Arslanbob	ARSB	Kyrgyzstan	41.3240N	72.9820E	1510	
Arsuz	ARST	Turkey	36.4550N	35.9400E	35	From 1997-03-01
Art	433A	Texas,U.S.A.	30.7544N	99.0910W	447	From 2009-11-10
Arta	ART	Djibouti	11.5212N	42.8378E	710	From 1972-04-01 to 1976-12-31
Arta Grotte	AGD	Djibouti	11.5290N	42.8240E	450	From 1985-03-09
Arta Observatory	ARO	Djibouti	11.5270N	42.8462E	680	From 1972-12-01
Arta Tunnel	ATD	Djibouti	11.5300N	42.8470E	610	
Artemida-Makistos	AMT	Greece	37.5324N	21.7089E	481	From 2008-12-22
Arthez-de-Bearn	ARTL	Aquitaine,France	43.4561N	0.5881W	210	
Arti	ARU	Sverdlovskaya Oblast',Russia	56.4302N	58.5625E	250	
Artigues	ARTF	Provence-Cote d'Azur,France	43.5870N	5.8050E	513	
Artvin	ARTV	Turkey	41.1849N	41.9283E	2034	From 2005-08-05
Artybash	ARTR	Altayskiy Kray,Russia	51.7980N	87.2810E	464	From 1980-07-26
Artyk	ATKR	Sakha,Russia	64.1800N	145.1333E	700	
Aruch	ARUZ	Armenia	40.2830N	44.0910E	1200	
Arusha	ARTT	,United Republic of Tanzania	2.7256S	36.2817E		From 1993-01-01
Arviat, NU	ARVN	Nunavut,Canada	61.0898N	94.0648W	-16	From 2006-08-14
Arvin	ARVC	California,U.S.A.	35.1269N	118.8301W	258	From 1983-09-15
Arzberg	ARSA	Austria	47.2505N	15.5232E	577	From 1997-06-20
Asacha	ASAK	Kamchatskaya Oblast',Russia	52.3830N	157.9000E	922	From 2008-12-23
Asagicarikuru	ASAT	Turkey	40.6936N	30.7439E	100	
Asahigawa	AHS	Shiribeshi,Japan	43.1339N	141.0460E	170	From 1974-04-20 to 1974-12-10
Asahikawa	ASA	Kamikawa,Japan	43.7700N	142.3730E	112	
Asahikawa	ASAJ	Kamikawa,Japan	44.1165N	142.5968E	220	From 1978-01-01
Asama Observatory	AVOE	Nagano,Japan	36.4011N	138.5720E	1406	From 1933-01-01
Asama Yama	ASM	Nagano,Japan	36.4000N	138.5670E		
Ascension	ASCN	Ascension	7.9327S	14.3601W	173	From 1994-10-01
Ascension Island Hydrophone Array Site 19	ASH19	Ascension	7.8250S	14.6020W	-125	
Ascension Island Hydrophone Array Site 21	ASH21	Ascension	7.9870S	14.4950W	-810	
Ascension Island Hydrophone Array Site 23	ASH23	Ascension	8.0697S	14.4175W	-841	
Ascension Island Hydrophone Array Site 24	ASH24	Ascension	8.0557S	14.4490W	-777	
Ascension Island Hydrophone Array Site 25	ASH25	Ascension	8.9465S	14.6500W	-1646	
Ascension Island Hydrophone Array Site 26	ASH26	Ascension	8.9440S	14.6180W	-1661	
Ascension Island Hydrophone Array Site 27	ASH27	Ascension	7.8530S	14.3660W	-770	
Ascension Island Hydrophone Array Site 29	ASH29	Ascension	7.9490S	14.2660W	-824	
ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	ASCI	Ascension	7.9377S	14.3752W	189	From 2005-04-14
Ascoli Pisceno	ALP	Italy	42.7803N	13.5761E	1370	From 1979-01-01
Asem Bagus	ABJI	Jawa,Indonesia	7.7957S	114.2342E	0	From 2007-12-01
Aserradero	ASE	Nicaragua	12.4747N	87.1903W		From 1977-02-03 to 1980-12-31
Ashes, Strandquist	B32A	Minnesota,U.S.A.	48.3951N	96.5363W	335	From 2010-08-14
Asheville	AVNC	North Carolina,U.S.A.	35.6240N	82.5310W	943	
Ashfield	BASO	Ontario,Canada	44.0133N	81.6648W	185	From 2007-08-01
Ash Flat	AFAR	Arkansas,U.S.A.	36.1333N	91.5312W	239	
Ashford Hill	AFH	England,United Kingdom	51.3439N	1.2197W	91	
Ashibetsu	JAB	Sorachi,Japan	43.5045N	142.2232E	187	
Ashikaga	JAG	Tochigi,Japan	36.4250N	139.4533E	241	
Ashiyiah	ASHO	Oman	24.6839N	56.0583E	546	From 2004-12-01
Ashizuri	ASZ	Kochi,Japan	32.7200N	133.0133E	32	From 1962-01-01
Ashkhabad	ASHT	Turkmenistan	37.9421N	58.3847E	262	From 2009-12-06
Ashkhabad	ASH	Turkmenistan	37.9500N	58.3500E	220	
Ashland	ALO	Oregon,U.S.A.	42.2000N	122.7000W	720	
Ash Meadows, Armagosa	U10A	Nevada,U.S.A.	36.4193N	116.3297W	668	From 2006-06-17 to 2008-10-15
Ashnola River, Keremeos	A07A	British Columbia,Canada	49.0480N	120.3837W	1842	From 2006-10-14 to 2008-06-17
Ashorobuto	JAR	Kushiro,Japan	43.2968N	143.7695E	210	
Ashpeak Ranch, Duncan	119A	Arizona,U.S.A.	32.7663N	109.3029W	1406	From 2007-03-11 to 2009-01-18
Ashqof	ASHJ	Jordan	32.3440N	37.6190E	1100	
Ashtabula EMA	ACEO	Ohio,U.S.A.	41.7490N	80.7680W	293	
Ashtian	ASAO	Iran	34.5480N	50.0253E	2217	From 1998-03-28
Ashton Mining of Canada property	YOSQ	Quebec,Canada	52.8666N	72.1998W	649	From 2005-06-26
Askersund	ASKU	Sweden	58.8946N	14.8288E	150	From 2002-03-25
Askja	IASK	Iceland	65.0519N	16.6482W	955	From 2007-09-21
Askoy	ASK	Norway	60.4830N	5.1950E	50	From 1983-01-01
Asmera	ASME	Eritrea	15.3500N	38.9300E	2420	From 1988-01-01
Asmuli	IASM	Iceland	63.8340N	20.6150W	22	From 1990-01-03
Aso	ASO	Kumamoto,Japan	32.8833N	131.0170E	568	From 1928-01-01 to 1999-08-25
Asolfsskalaheidi	IASO	Iceland	63.5966N	19.7311W	673	From 2010-12-17
Asolo, Italy	MASO	Italy	45.8040N	11.9164E	365	From 2010-06-22
Aso san	ASJ	Kumamoto,Japan	32.8767N	131.0750E	1143	
Aspremont	ASPF	Provence-Cote d'Azur,France	43.7682N	7.2583E	850	
Aspurt	YASP	Spain	42.7292N	1.1634W	692	From 2010-05-01
Asqua	ASQU	Italy	43.7967N	11.7893E	860	From 2007-10-25
As Saff	HSAF	Egypt	29.6187N	31.5538E	446	
Assam	NGJA	Assam,India	26.7067N	91.6750E	60	
Assam	BKOA	Assam,India	25.9833N	91.2667E	50	
Asse, Remlingen/Germany	ASSE	Germany	52.1303N	10.6729E	-809	From 2007-07-01
Assergi	RM28	Italy	42.4024N	13.5486E	1482	From 2009-06-19 to 2009-08-31
Assisi	ASS	Italy	43.0630N	12.6517E	805	From 1983-05-01
Assisi San Benedetto	ASSB	Italy	43.0426N	12.6587E	734	From 2008-06-11
Astara	ASTR	Azerbaijan	38.5600N	48.7910E	148	From 2010-11-29
Astolofo Dutra	ATDB	Minas Gerais,Brazil	21.2900S	42.8606W		From 1995-12-01
Astor Pass	APNR	Nevada,U.S.A.	40.2300N	119.8665W	1471	
Aswan	ASW	Egypt	24.0782N	32.8888E	132	From 1975-10-01
Atahualpa	ATAH	Peru	7.1351S	78.3945W	3165	
Atalanti	ATAL	Greece,Greece	38.6926N	23.0213E	290	From 2008-01-01
'Ataq	ATAQ	Yemen	14.5333N	46.8083E	0	
Atar	ATA	Djibouti	11.4537N	43.2052E	50	From 1972-04-01
Atar 1	ATR1	Israel	30.9700N	34.6300E	200	
Atchley Ranch, Grenville	U26A	New Mexico,U.S.A.	36.3945N	103.7439W	1861	From 2008-05-11
Athens Obs.	ATU	Greece	37.9722N	23.7167E	95	From 1892-01-01
Athens Observatory	ATH	Greece	37.9722N	23.7167E	95	From 1892-01-01
Athens University	ATHU	Greece,Greece	37.9665N	23.7845E	308	From 2008-01-20
Athinios (Pelekanos)	THT1	Greece	36.3858N	25.4296E	0	From 2011-03-25
Atibaia	VAO2	Sao Paulo,Brazil	23.2250S	46.5417W	1120	From 1993-07-01
Atico	ATI	Peru	16.1711S	73.6203W	300	
Atikokan Iron Mine	ATKO	Ontario,Canada	48.8231N	91.6004W	382	
Atka	AA-IS	Alaska,U.S.A.	52.2117N	174.2036W	6	
Atka Island	ATKA	Alaska,U.S.A.	52.2027N	174.1955W	55	
ATLACOMULCO	ATVM	Mexico	19.7618N	99.8410W	2527	From 2009-01-01
Atlanta	I12A	Idaho,U.S.A.	43.7945N	115.1328W	1849	From 2007-08-05 to 2009-07-28
Atlanta	ATL	Georgia,U.S.A.	33.4333N	84.3375W	272	From 1963-06-21
Atlantic LNG	ALNG	Trinidad and Tobago	10.1814N	61.6882W		
Atluck Lake	ATLB	British Columbia,Canada	50.2184N	127.0600W	266	From 2005-04-21
Atoka	AK-OK	Oklahoma,U.S.A.	34.3683N	96.0572W	183	From 1962-06-17 to 1962-06-28
Atoka	AK-	Oklahoma,U.S.A.	34.3683N	96.0572W	183	From 1962-06-17 to 1962-06-28
Atsumi	JAA	Aichi,Japan	34.6317N	137.1433E	30	
Atsumi	ATM	Yamagata,Japan	38.5650N	139.6620E	180	From 1968-09-15
Atsumi	JYA	Yamagata,Japan	38.5930N	139.7138E	200	
Attachie	ATC	British Columbia,Canada	56.2300N	121.4500W		
At Ta'if	TAIF	Saudi Arabia	21.2920N	40.3540E	1680	From 1989-02-01
Attica	ATT	New York,U.S.A.	42.8358N	78.1942W	470	From 1971-07-01 to 1976-01-16
Attu Island--Fox	ATTU	Alaska,U.S.A.	52.8821N	173.1643E	250	From 1993-07-01
Attu Island--Fox	FX1	Alaska,U.S.A.	52.8821N	173.1643E	250	From 1993-07-01
At Turbah	TRBA	Yemen	13.2310N	44.1150E	1860	
Atwood	P29A	Kansas,U.S.A.	39.6021N	100.9316W	929	From 2009-05-13
Auburn	ABN	Nebraska,U.S.A.	40.3911N	95.8506W	294	From 1977-11-18
Auburn	ABRN	New York,U.S.A.	42.9963N	76.4853W	224	
Auburn Dam	ADC	California,U.S.A.	38.9448N	120.9680W	524	From 1972-02-01 to 1983-05-16
Auburn Hatchery	AHID	Idaho,U.S.A.	42.7654N	111.1004W	1960	
Auburntown	ABTN	Tennessee,U.S.A.	35.8855N	86.1090W	363	From 1984-01-01
Auchinoon	EAU	Scotland,United Kingdom	55.8454N	3.4474W	359	From 1969-01-01
Auckland	AUC	North Island,New Zealand	36.8600S	174.7780E	79	From 1941-04-01 to 2003-09-09

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Augspurger Mountain	APM	Washington,U.S.A.	45.7361N	121.6810W	865	
Augst-Roemermuseum	SAUR	Switzerland	47.5339N	7.7228E	290	From 2006-03-23
Augusta	AG-	Maine,U.S.A.	44.3728N	69.6628W	152	
Augusta	AG-ME	Maine,U.S.A.	44.3728N	69.6628W	152	
Augusta	HAGA	Sicily,Italy	37.2850N	15.1550E	126	From 1994-05-01
Augusta-Monte Tauro	AGST	Sicily,Italy	37.2565N	15.2271E	70	
Augustine Domo	AUD	Alaska,U.S.A.	59.3626N	153.4260W	1208	From 1994-09-06
Augustine Flow	AUF	Alaska,U.S.A.	59.3878N	153.4590W	165	From 1975-09-01
Augustine H	AUH	Alaska,U.S.A.	59.3639N	153.4430W	890	From 1978-12-01
Augustine Island	AUE	Alaska,U.S.A.	59.3590N	153.3720W	172	
Augustine Island	AUI	Alaska,U.S.A.	59.3352N	153.4270W	293	From 1978-04-01
Augustine Island	AU2	Alaska,U.S.A.	59.3703N	153.3780W	195	
Augustine Island	AGI	Alaska,U.S.A.	59.3800N	153.4200W	580	From 1971-08-01 to 1976-01-31
Augustine Lava	AUL	Alaska,U.S.A.	59.3822N	153.4350W	360	From 1980-10-29
Augustine Mound	AUM	Alaska,U.S.A.	59.3708N	153.3530W	105	From 1975-09-01
Augustine NWest	AUNW	Alaska,U.S.A.	59.3782N	153.4768W	160	
Augustine Pinnacle	AUP	Alaska,U.S.A.	59.3623N	153.4210W	1033	From 1977-09-22
Augustine SEast	AUSE	Alaska,U.S.A.	59.3414N	153.3975W	152	
Augustine-Summit	AGU	Alaska,U.S.A.	59.3600N	153.4310W	1226	From 1990-09-01
Augustine West	AUW	Alaska,U.S.A.	59.3701N	153.4710W	276	From 1986-07-01
Auke Bay	ABF	Alaska,U.S.A.	58.3813N	134.6430W	3	From 1980-10-27
Auki	AUK	Solomon Islands,Papua New Guinea	8.7617S	160.7030E	91	
Aumenau	GWBC	Hessen,Germany	50.3938N	8.2696E	180	From 2001-12-04
Äli-Bayramli	ALIB	Azerbaijan	39.9580N	49.0060E	73	From 2003-08-01
Äppelbo	APO	Sweden	60.5390N	13.9280E	340	From 1969-01-01
Aurakhmat	AUR	Uzbekistan	41.5833N	70.1167E		
Auriere	AURF	Provence-Cote d'Azur,France	43.8873N	7.3275E	1040	
Aurillac	ACDF	Auvergne	44.9300N	2.4400E	640	From 2007-05-03
Aurora	AR-	Wisconsin,U.S.A.	45.6967N	88.1422W	381	From 1962-06-06 to 1962-10-05
Aurora	AR-WS	Wisconsin,U.S.A.	45.6967N	88.1422W	381	From 1962-06-06 to 1962-10-05
Au Sable	ASNY	New York,U.S.A.	44.5340N	73.6740W	0	
Ausora	ASOR	Uttar Pradesh,India	28.7558N	77.7722E	0	
Aussois	OG24	Rhone-Alpes,France	45.2217N	6.7357E	1495	From 1993-12-17
Austin	AT-	Nevada,U.S.A.	39.4814N	117.0739W	1981	From 1962-01-15 to 1963-07-01
Austin	AT-NV	Nevada,U.S.A.	39.4814N	117.0739W	1981	From 1962-01-15 to 1963-07-01
Austin	ATX	Texas,U.S.A.	30.3144N	97.8667W	280	
Austin	AUS	Texas,U.S.A.	30.2833N	97.7833W		
Austin	P09A	Nevada,U.S.A.	39.5516N	117.1395W	1737	From 2006-04-14 to 2008-03-08
Avacha	AVH	Kamchatskaya Oblast',Russia	53.2650N	158.7380E	900	
Avellanes	AVN	Spain	41.8837N	0.7518E	630	
Averroes	AVE	Morocco	33.2981N	7.4133W	230	From 1937-06-01
Avery Point	APT	Connecticut,U.S.A.	41.3160N	72.0639W	3	From 1972-01-07 to 1977-06-01
Avezzano	AZI	Italy	41.9884N	13.4357E		From 1987-01-01 to 1994-12-31
Avola	HAVL	Sicily,Italy	36.9600N	15.1250E	455	From 1994-05-01
Avon	AVO	New South Wales,Australia	34.3764S	150.6150E	532	From 1958-01-01
Avondale Springs	ASTN	Tennessee,U.S.A.	36.3270N	83.4760W	730	
Avonos	AVNT	Turkey	38.7794N	34.8553E	1584	From 1998-01-01
AVREN	AVR	Bulgaria	43.1196N	27.6691E	304	From 2006-10-01
Avril sur Loire	AVF	Bourgogne,France	46.7906N	3.3526E	225	From 1977-10-19
Avril sur Loire	AVFP	Bourgogne,France	46.7919N	3.3569E	200	
AVT- Casa Castalda	ATCC	Italy	43.1851N	12.6399E	556	From 2009-12-16
AVT- Montelovesco	ATLO	Italy	43.3152N	12.4073E	583	From 2009-11-11
AVT- Monte Tezio	ATTE	Italy	43.1979N	12.3536E	928	From 2009-12-24
AVT- Monte Valcinella	ATVA	Italy	43.2786N	12.2853E	604	From 2009-11-11
AVT- Monte Valentino	ATVO	Italy	43.3821N	12.4066E	637	From 2009-10-27
Awaji shima	JAJ	Hyogo,Japan	34.3357N	134.9078E	109	
Awa shima	JAW	Niigata,Japan	38.4562N	139.2487E	70	
Awhitu Peninsula	AWAZ	North Island	37.0638S	174.6429E	-268	From 2010-12-14
Awoonga Dam	AWOON	Queensland,Australia	24.0773S	151.3147E	553	
Awoonga Dam 3	AWDQ	Queensland,Australia	24.0478S	151.3157E	110	From 1987-07-01
Ayacucho	PP07	Peru	13.0833S	74.2500W	2800	
Ayagualo	AYA	El Salvador	13.6294N	89.2894W		
Aya Nagar	AYAN	Delhi,India	28.4822N	77.1267E		From 2001-03-13
Ayaqueme	AYVM	Mexico D.F.,Mexico	19.1678N	98.9542W	2924	
Aybut	ABTO	Oman	17.3538N	53.2966E	650	From 2001-07-01
Aydincik	AYK	Turkey	36.1522N	33.3269E	50	From 1988-01-01
Ayd¯–ntepe-Bayburt	BAYT	Turkey	40.3935N	40.1410E	1675	From 2008-09-12
Ayenquera	AYE	Peru	17.0133S	71.6719W	240	
'Aynunah	AYUS	Saudi Arabia	28.1889N	35.2689E		
Ayseler	AYS	Turkey	36.8955N	31.5736E	565	From 1977-02-01
Ayvalik	AYVA	Turkey	39.3083N	26.6903E	82	From 2003-10-24
Azai	AZJ	Shiga,Japan	35.4772N	136.3239E	370	
Azarshahr	IAZR	Iran	37.6783N	45.9800E	2300	From 1995-08-01
Aznalcollar, Sevilla	E017	Spain	37.5720N	6.2290W	259	From 2007-11-15 to 2009-06-19
Azuc	AZUC	Colombia	3.6940N	76.1360W	3680	
Azucar	AZ1C	Colombia	3.7310N	76.1118W	3980	
Azuela	AZU1	Ecuador	0.0825S	77.5905W	1766	From 2003-04-22
Azuero	AZU	Panama	7.7917N	80.2740W	14	
Ba@14rda@14	BRDA	Azerbaijan	40.2630N	47.1790E	103	From 2003-08-01
Babate	BBTS	Senegal	14.6613N	16.5332W	0	
Babushkin	BTMB	Buryatiya,Russia	51.7000N	105.8320E	550	From 1999-03-01
Bacau	BAC	Romania	46.5669N	26.9124E	169	From 1942-12-25
Bac Can	BCVB	Vietnam	21.8848N	105.7725E	51	From 2008-01-01
Baccana	BACM	Italy	44.2783N	10.0722E	450	From 1998-11-01
Baccarat	BACF	Lorraine,France	48.4440N	6.7390E	316	
Bac-Giang	BGV	Vietnam	21.2941N	106.2290E	15	From 1967-04-01
Bachelor Mtn.	BACC	California,U.S.A.	33.6122N	117.0406W	551	
Backbrunna	BACU	Sweden	59.8540N	17.1078E	100	From 2001-12-12
Backryungdo	KSBAR	South Korea	37.9770N	124.7142E	0	From 2008-02-14
Bacolet	BOT	Trinidad and Tobago	11.1667N	60.7179W	30	
Bacon Ridge	BCRT	Tennessee,U.S.A.	35.7660N	84.5760W	409	
Baconsthorpe	ABA1	England,United Kingdom	52.8884N	1.1453E	74	From 1982-01-01
Badajoz	EXBA	Spain	38.8790N	6.9700W	185	
Badajoz	EBAD	Spain	38.7556N	7.0133W	221	
Badegauja	BADN	Nepal	28.7330N	81.1670E	1556	
Bademkaya	DBAD	Turkey	41.0183N	41.6947E	1139	From 2007-09-26
Badger Mountain	BDG	Washington,U.S.A.	46.2347N	119.3170W	475	From 1969-03-01
Badiali	BADI	Italy	43.5097N	12.2443E	430	From 2004-07-30
Badra	IBDR	Iraq	33.1100N	45.9300E	90	From 2009-01-01
Badran	BDRN	Syria	33.3408N	36.3095E	965	From 1994-12-01
Bad Reichenhall	BHG	Bayern,Germany	47.7214N	12.8789E	475	From 1972-03-01
Bad Segeberg	BSEG	Schleswig-Holstein,Germany	53.9353N	10.3169E	40	
Bad Urach	BUCH	Baden-Wurttemberg,Germany	48.4496N	9.3529E	785	From 2002-01-01
Baengnyeongdo	KSBRD	South Korea	37.9677N	124.6303E	169	From 2001-11-06
Baffin Island 1	B1NU	Nunavut,Canada	68.4619N	71.5880W	181	
Baffin Island 2	B2NU	Nunavut,Canada	68.9216N	73.1966W	157	
Bafgh	IBAF	Iran	31.5902N	55.5673E	1485	From 1998-10-01
Baggett Ranch, Ozona	430A	Texas,U.S.A.	30.7866N	101.2362W	768	From 2009-02-14
Baghdad	BHD	Iraq	33.2700N	44.3800E	32	From 1979-01-01
Bagley Icefield	BAGL	Alaska,U.S.A.	60.4901N	142.0895W	55	
Bagneres-Bigorre	BDB	Midi-Pyrenees,France	43.0650N	0.1483E	561	From 1960-01-01 to 1970-12-31
Bagni Di Lucca	BDI	Italy	44.0625N	10.5969E	830	From 1983-10-01
Bagolino	BAG8	Italy	45.8228N	10.4664E	807	From 2006-06-15
Bagra	BGP	Pakistan	33.9742N	73.0682E	777	
Baguashan	BGSB	Taiwan region	24.0570N	120.6106E	0	
Baguio	BAF*	Luzon,Philippines	16.4167N	120.6000E	1500	From 1972-01-01
Baguio City	BAG	Luzon,Philippines	16.4108N	120.5800E	1507	From 1909-01-01
Baguio City	BCP	Luzon,Philippines	16.4180N	120.6100E	1500	
Baguio City Dairy Farm	BCPH	Luzon,Philippines	16.3810N	120.5810E	1500	
Baguio Weather Station	BWP	Luzon,Philippines	16.4047N	120.6022E		
Bahadurgarh	BHGR	Haryana,India	28.6877N	76.9388E	0	
Bahia de Los Angeles	LAX	Baja California,Mexico	28.9467N	113.5670W	50	From 1971-12-31
Bahia Malaga	MALC	Colombia	4.0136N	77.3353W	50	
Bahia Solano	SOLC	Colombia	6.3700N	77.4576W	51	From 1994-01-01
Bahrah	BARA	Saudi Arabia	21.4400N	39.4710E	250	From 1995-04-01
Bahrah	BHRA	Saudi Arabia	21.4440N	39.9680E		From 1995-01-01 to 1999-08-25
Bahraich	BRCI	Uttar Pradesh,India	27.5667N	81.5833E	123	
Baia Mare	BMR	Romania	47.6736N	23.4960E	294	From 1979-01-01
Baidarnaya	BDR	Kamchatskaya Oblast',Russia	56.5680N	161.2080E	936	From 2005-10-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Baie Comeau	CNQ	Quebec,Canada	49.3022N	68.0744W	200	From 1991-01-07
Baie du Lac Sali	BLSD	Djibouti	11.5908N	42.5178E	100	From 1987-01-01
Baie-St-Paul	BSPQ	Quebec,Canada	47.4400N	70.5100W	0	From 1979-05-24
Baie-St-Paul	BLBQ	Quebec	47.4275N	70.5156W	35	From 2009-11-05
Baijiatuau	BJT	Beijing,China	40.0183N	116.1680E	197	From 1995-01-01
Bailadores	BLV	Venezuela	8.1908N	71.8256W	1110	From 1969-08-01 to 1970-09-29
Bailey Peak	BAP	Utah,U.S.A.	38.5264N	112.7950W	2387	
Bailey Ranch, Gibbon	N31A	Nebraska,U.S.A.	40.8235N	98.9544W	687	From 2009-09-11
Bainbridge School	BABE	Washington,U.S.A.	47.6058N	122.5353W	83	
Baing, Sumba	BASI	Sumba,Indonesia	10.2189S	120.5777E	80	From 2008-12-01
Bains de Bromines	BROM	Rhone-Alpes,France	45.9450N	6.0668E	535	From 1997-02-19
Baives	BAIF	Nord-Pas-de-Calais,France	50.0592N	4.2078E	215	From 1996-04-03
Bajamar	EBAJ	Spain	28.5399N	16.3434W	239	
Bajram Curri	BCI	Albania	42.3666N	20.0675E	500	
Bakacak	BKT	Turkey	40.1420N	29.1360E	1734	From 1978-09-01 to 1980-12-31
Bakel	BKL	Senegal	14.9024N	12.4648W	30	From 1976-11-01
Baker	E24A	Montana,U.S.A.	46.5608N	104.3073W	912	From 2008-11-12
Baker	BKRC	California,U.S.A.	35.2693N	116.0703W	275	
Baker Lake	BLC	Northwest Territories,Canada	64.3167N	96.0167W	16	From 1965-07-26
Baker Lake, Hudson Bay	YBKN	Nunavut,Canada	64.3185N	96.0026W	25	From 2006-08-27
Bakersfield	BF-	California,U.S.A.	35.6481N	118.8575W	567	
Bakersfield	BF-CL	California,U.S.A.	35.6481N	118.8575W	567	
Baki	BAK	Azerbaijan	40.3720N	49.8180E	83	From 1903-01-01
Bakonya	RHK1	Hungary	46.0948N	18.0720E	297	
Bakuriani	BKR	Georgia	41.7337N	43.5032E	1798	From 1955-01-01
Bala	BALAT	Turkey	39.5562N	33.1198E	1288	From 2007-12-21
Bala	BBAL	Turkey	39.5427N	33.1230E	1312	From 2008-03-05
Balboa Heights	BHP	Panama	8.9608N	79.5581W	36	From 1914-01-01 to 1977-03-31
Balcom Canyon	BALC	California,U.S.A.	34.3076N	118.9671W	258	
Balcova	BLCB	Turkey	38.3853N	27.0420E	150	From 2004-10-05
Bald Eagle	BED	District of Columbia,U.S.A.	38.8200N	77.0089W		
Bald Hill	BLH	Washington,U.S.A.	47.8368N	122.0320W	198	
Bald Knob	BK-AR	Arkansas,U.S.A.	35.3567N	91.6450W	122	From 1962-07-06 to 1963-04-10
Bald Knob	BK-	Arkansas,U.S.A.	35.3567N	91.6450W	122	From 1962-07-06 to 1963-04-10
Bald Mountain Lookout	CBLG	California,U.S.A.	37.7715N	118.8980W	2560	From 1984-01-01
Bald Peter	BPO	Oregon,U.S.A.	44.6519N	121.6890W	1957	From 1987-09-01
Bald Peter	VBPM	Oregon,U.S.A.	44.6610N	121.6890W	1876	
Baldwin	BA-WS	Wisconsin,U.S.A.	44.8994N	92.2722W	335	From 1962-10-11 to 1962-10-27
Baldwin	BA-	Wisconsin,U.S.A.	44.8994N	92.2722W	335	From 1962-10-11 to 1962-10-27
Baldy	BALM	Alaska,U.S.A.	61.0362N	142.3450W	1300	From 1973-08-24
Baldy Mountain	BALA	Alaska,U.S.A.	55.1937N	162.7857W	329	From 1996-07-01
Baldy Mountain	GBMM	California,U.S.A.	39.1418N	122.4940W	975	
Baleine	SVL	St Vincent,Saint Vincent and the Grenadines	13.3680N	61.2040W	91	
Baler	BALP	Luzon,Philippines	15.7410N	121.5760E	50	
Balikesir	BALB	Turkey	39.6400N	27.8800E	120	
Balikpapan	BKB2	Kalimantan,Indonesia	1.2605S	116.8960E		
Balikpapan	BKB	Kalimantan,Indonesia	1.2605S	116.8963E	0	
Baljurashi	BLJS	Saudi Arabia	19.9571N	41.6051E	2239	
Baljuvan	BLD	Tajikistan	38.3000N	69.6600E		
Ballabur	BAU	Azerbaijan	38.7100N	48.7800E	70	From 1984-01-01
Ballarat	BRAT	Victoria,Australia	37.5500S	143.9310E	9	
Ballidu	BLDU	Western Australia,Australia	30.6147S	116.7091E	280	From 1999-11-08
Ballidu	BAL	Western Australia,Australia	30.6065S	116.7072E	300	From 1982-08-27 to 1997-12-31
Ballon Servance	BSF	Franche Comte,France	47.8319N	6.7922E	1200	
Balmorhea	BM-TX	Texas,U.S.A.	30.9264N	103.8550W	1067	From 1962-01-20 to 1962-02-15
Balmorhea	BM-	Texas,U.S.A.	30.9264N	103.8550W	1067	From 1962-01-20 to 1962-02-15
Balmorhea Ranch, Pecos	327A	Texas,U.S.A.	31.3691N	103.4923W	784	From 2008-03-20 to 2010-02-13
Balsthal	BALST	Switzerland	47.3358N	7.6950E	908	From 2000-06-16
Baltah	BLIT	Tunisia	36.7130N	8.9528E	225	
Baltimore	BLVT	Vermont,U.S.A.	43.3488N	72.5853W	300	
Balya	BALY	Turkey	39.7403N	27.6195E	645	From 2007-05-24
Bamboo Saint Ann	BBJ	Jamaica	18.3830N	77.2670W	641	From 1977-02-14
Bambui	BNC	Cameroon	6.0160N	10.2800E	1890	From 1987-02-17
Bamfield Marine Station	BMSB	British Columbia,Canada	48.8356N	125.1355W	10	From 2003-03-07
Banah	BANOM	Oman	25.9233N	56.2996E	504	From 2004-12-01
Banawang	BNP	Luzon,Philippines	14.6188N	120.4140E	71	
Banca Lucia	BANL	Costa Rica	10.5197N	84.8320W	821	From 2000-01-01
Bancas Point	BCPM	Alaska,U.S.A.	59.9533N	139.6350W	396	From 1979-07-07
Bancroft	BANO	Ontario,Canada	45.0198N	77.9280W	360	
Banda Aceh	BSI	Sumatera,Indonesia	5.4964N	95.2961E	192	
Bandanaira	BNDI	Moluccas,Indonesia	4.5224S	129.9045E	16	From 2008-07-04
Bandar-abas	IBND	Iran	27.4489N	56.5399E	62	From 2006-07-01
Bandar-Abbas	BNDS	Iran	27.3993N	56.1713E	1500	From 2004-05-13
Bandar Lampung	BLSI	Sumatera,Indonesia	5.3676S	105.2452E	147	From 2005-01-01
Bandirma	BNT	Turkey	40.3561N	27.9200E	354	From 1984-01-01
Bandung	BND	Jawa,Indonesia	6.9000S	107.6500E	726	
Banff	BAN	Alberta,Canada	51.1717N	115.5580W	1500	From 1956-08-01 to 1966-09-22
Bangkinang	BKNI	Sumatera,Indonesia	0.3262N	101.0396E	65	From 2008-04-26
Bangor	BG-	Maine,U.S.A.	44.6344N	69.2214W	183	From 1961-11-04 to 1962-07-01
Bangor	BG-ME	Maine,U.S.A.	44.6344N	69.2214W	183	From 1961-11-04 to 1962-07-01
Bangor (NY)	BGR	New York,U.S.A.	44.8288N	74.3742W	297	From 1976-11-01
Bangui	BCAO	Central African Republic	4.4333N	18.5353E	336	From 1979-05-31 to 1999-08-25
Bangui	BNG	Central African Republic	4.4350N	18.5467E	378	
BANI	BANI	Dominican Republic	18.3923N	70.3582W	1038	From 1996-06-01
Bani@18 Suwayf	HBNS	Egypt	28.9517N	31.2126E	201	
Bani Suef	NBNS	Egypt	28.6226N	31.2945E	295	From 2010-03-20
Banja Luka	BLY	Bosnia and Herzegovina	44.7488N	17.1839E	256	From 1975-05-01
Banjamegara	BJII	Jawa,Indonesia	7.3329S	109.7096E	629	From 2000-01-01
Banjar Baru	BBKI	Kalimantan,Indonesia	3.4625S	114.8411E	110	From 2005-01-01
Banloc	BANR	Romania	45.3825N	21.1355E	80	
Bannalp	BNALP	Switzerland	46.8705N	8.4250E	1540	From 1998-09-30
Bannockburn	BANM	Victoria,Australia	38.0515S	144.2498E	200	
Banos Encina	EBAN	Spain	38.1643N	3.7857W	460	From 1986-11-01
Banyuglugur	BLJI	Jawa,Indonesia	7.7450S	113.5950E	0	From 2007-12-01
Banyuwangi	BYJI	Jawa,Indonesia	8.2140S	114.3557E	0	From 2007-12-01
Baotou	PAO	Nei Monggol Zizhiqu,China	40.6056N	110.0208E	1114	
Baotou	BTO	Nei Monggol Zizhiqu,China	40.6056N	110.0208E	1114	
Baptist College of Charleston	BCS	South Carolina,U.S.A.	32.9797N	80.0653W	9	From 1976-03-31
Baranello	BAI2	Italy	41.5092N	14.5531E	745	
Barangay Tapao	SIPH	Philippines	17.8917N	120.4580E	33	From 2005-10-19
Barbacena	BARB	Minas Gerais,Brazil	21.2210S	43.8005W	1030	
Barbados	BDS	Barbados	13.1460N	59.6260W	110	From 1969-07-30
Barbados	BRB	Barbados	13.1220N	59.6060W	55	From 1955-06-30 to 1969-07-25
Barbar	BRBR	Syria	33.4113N	35.9508E	1834	From 1994-12-01
Barbarano Romano - VT	TO08	Italy	42.2244N	12.0526E	463	From 2008-05-29 to 2009-04-02
Barber's Block	BBL	Dominica	15.5262N	61.4700W	365	From 1978-11-21
Barbuda	BWI	Barbuda,Antigua and Barbuda	17.6650N	61.7900W	30	From 1977-01-01
Barcelona	BARV	Venezuela	9.9839N	70.7456W	615	
Bardonecchia	BNI	Italy	45.0522N	6.6786E	1410	
Bare Mountain	BRO	Nevada,U.S.A.	36.7628N	116.6250W	920	From 1978-11-28
Bare Point	BPCB	British Columbia,Canada	48.9236N	123.7045W	31	From 2008-03-19
Bar Giyyora	BGIO	Israel	31.7221N	35.0878E	760	From 1986-08-11
Barguzin	BGZ	Buryatiya,Russia	53.6167N	109.6167E		
Barham	BHM	England,United Kingdom	51.2128N	1.1742E	100	
Bari	BAI*	Italy	41.1200N	16.8667E	0	
Bari	BAI	Italy	41.1070N	16.8790E	15	
Bariadhala	BRDH	Bangladesh	22.6800N	91.6506E	0	
Bari-Castellana	BRT	Italy	40.8778N	17.2036E	333	From 1978-01-01
Barichara	BARC	Colombia	6.6434N	73.1764W	1859	
Barinas	BRIV	Venezuela	8.6170N	70.4510W	0	
Baring Head	BHW	North Island,New Zealand	41.4092S	174.8710E	10	From 1975-11-27
Barisakho	BROG	Georgia	42.4500N	44.9300E	1250	
Barisano	BRSN	Italy	44.2841N	12.0769E	20	
Barisciano	RM14	Italy	42.3454N	13.5722E	1105	From 2009-04-07 to 2009-08-31
Barje	BARS	Serbia	42.8165N	21.8153E	392	From 1996-03-07
Barkley Canyon	NCBC	British Columbia,Canada	48.4275N	126.1752W	-398	From 2009-09-01
Barkley Ridge	BARK	Alaska,U.S.A.	60.4035N	142.4911W	1141	
Barley Canyon	BRC	New Mexico,U.S.A.	35.8903N	106.7110W	2261	From 1976-06-01 to 1999-08-25
Barnard Glacier	BARN	Alaska,U.S.A.	61.0599N	141.6601W	1915	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Barnard House	BHS	St Vincent,Saint Vincent and the Grenadines	13.2963N	61.1272W	90	
Barnechea	BACH	Santiago,Chile	33.3528S	70.4917W	820	
Barney Top	BTU	Utah,U.S.A.	37.7557N	111.8743W	3235	
Baronissi	BSS	Italy	40.7906N	14.8061E	205	
Barrage Abdel Moumen	BAM	Morocco	30.6661N	9.1661W		
Barrage El Makhazine	BMK	Morocco	34.9410N	5.8430W	166	From 1979-06-01 to 2001-10-26
Barrage Ibn Batouta	BBT	Morocco	35.6480N	5.7290W	60	From 1981-01-01
Barrage Mansour Eddahbi	BME	Morocco	30.9156N	6.7603W	1078	From 1975-03-01
Barrage Mohamed Ben Abdellah	BMB	Morocco	33.9422N	6.7511W	40	From 1978-01-01
Barrage Mohammed V	BMKM	Morocco	34.6590N	2.9340W	274	
Barra Mansa	BMA	Rio de Janeiro,Brazil	22.6950S	44.1536W	595	
Barranco	PFBV	Portugal	37.2715N	7.9808W	573	From 1996-01-01 to 2009-05-30
Barranco-do-Velho	PBDV	Portugal	37.2430N	7.9312W	468	From 2007-01-08
Barrancos	PBAR	Portugal	38.1750N	7.0390W	205	From 2007-01-01
Barreal	RTBS	San Juan,Argentina	31.6614S	69.4531W		
Barren Site	BNM	New Mexico,U.S.A.	34.1502N	106.6280W	2121	
Barre Substation	BREC	California,U.S.A.	33.8077N	117.9812W	24	
Barrett	BAR	California,U.S.A.	32.6801N	116.6721W	496	From 1952-01-17
Barrette	BAH	Hawaii,U.S.A.	21.3397N	158.0770W		From 1970-01-01 to 1999-08-25
Barrier Glacier	BGL	Alaska,U.S.A.	61.2635N	152.3910W	1173	From 1989-01-01
Barrier Glacier Two	BGRM	Alaska,U.S.A.	60.7575N	152.4180W	985	From 1991-07-01
Barrio Florida	PWP	Puerto Rico	18.1350N	65.4450W	10	From 1975-03-01 to 1978-03-13
Barrow	BRV	Alaska,U.S.A.	71.2742N	156.7850W	15	
Barrow	BRW	Alaska,U.S.A.	71.3033N	156.7480W		From 1965-01-01
Barry Inlet	BNB	British Columbia,Canada	52.5758N	131.7520W	765	From 1985-09-01
Barry Ridge	KBRM	California,U.S.A.	40.7298N	123.9560W	853	
Barter Island	BI3	Alaska,U.S.A.	69.5967N	144.3710W	690	From 1975-09-01 to 1978-08-14
Barter Island	BI4	Alaska,U.S.A.	69.5202N	142.9800W	745	From 1975-09-01 to 1999-08-25
Barter Island	BI1	Alaska,U.S.A.	70.1318N	143.6420W	10	From 1975-09-01 to 1999-08-25
Barter Island	BI2	Alaska,U.S.A.	69.6233N	145.8950W	1100	From 1975-09-01 to 1999-08-25
Bart¯–n	BTIN	Turkey	41.6362N	32.2504E	233	From 2011-02-02
Barton Gulch	BGMT	Montana,U.S.A.	45.2333N	112.0400W	2172	
Baru	BRU	Panama	8.8068N	82.5608W	3425	
Bar X Bar Ranch, Keystone	M28A	Nebraska,U.S.A.	41.3956N	101.3715W	1071	From 2009-05-14
Basata	HBST	Egypt	29.2166N	34.7327E	234	
Basco	BAP*	Batan Islands,Philippines	20.4622N	121.9695E	10	
Basco	BBP	Batan Islands,Philippines	20.4411N	121.9640E	40	
Base Esperanza	ESPZ	Antarctic Peninsula	63.3981S	56.9964W	31	
Basel-Blauen	BBS	Switzerland	47.4644N	7.5092E	700	From 1974-06-01
Basel-Friedhofgasse	SBAF	Switzerland	47.5838N	7.5920E	248	From 1998-02-13
Basel-PUK	SBAP	Switzerland	47.5724N	7.5644E	263	From 1998-05-11
Basel-Tropenhaus	SBAT	Switzerland	47.5586N	7.5817E	260	From 1992-05-05
Basin Creek	BCM	Montana,U.S.A.	45.8355N	112.5150W	1975	From 1980-11-12 to 1981-10-10
Basking Ridge	BRNJ	New Jersey,U.S.A.	40.6828N	74.5660W	50	
Basle	BAS	Switzerland	47.5400N	7.5817E	309	From 1934-01-01 to 1978-12-31
Basra	BSR	Iraq	30.6000N	47.8000E		
Basset	K30A	Nebraska,U.S.A.	42.6742N	99.6131W	712	From 2009-09-19
Basse Terre	BTG	Guadeloupe	15.9902N	61.7192W	42	From 1976-01-01
Bassetti Ranch	PBRM	California,U.S.A.	35.5485N	121.0090W	85	
Bass Mountain	LBMM	California,U.S.A.	40.7328N	122.3658W	841	
Bassoo Peak	BSMT	Montana,U.S.A.	47.8513N	114.7870W	1950	
Bastrop	536A	Texas,U.S.A.	30.0756N	97.0652W	115	From 2010-01-14
Bata	RHK2	Hungary	46.1270N	18.7799E	147	
Batagay	BTGS	Sakha,Russia	67.6510N	134.6400E	110	
Batakoyurt	BTKR	Severo-Osetinskaya,Russia	43.3722N	44.5422E	597	From 2005-12-01
Bataraza	BATP	Palawan,Philippines	8.7970N	117.8010E	54	
Bat Cave Butte	BATC	California,U.S.A.	33.4590N	115.8410W	-18	
Batelco	BTP	Luzon,Philippines	14.6909N	120.5150E	32	
Bates	BT-OR	Oregon,U.S.A.	44.6244N	118.7711W	1372	
Bates	BT-	Oregon,U.S.A.	44.6244N	118.7711W	1372	
Bates Ranch, Gandy	P13A	Utah,U.S.A.	39.4550N	114.0156W	1555	From 2007-03-01 to 2008-09-05
Bath	BATH	England,United Kingdom	51.4430N	2.3290W	127	From 2009-07-14
Bath County 1	BV1	Virginia,U.S.A.	38.1781N	79.6611W	768	From 1978-08-01
Bath County 2	BV2	Virginia,U.S.A.	38.1367N	79.9194W	610	From 1978-08-01
Bath County 3	BV3	Virginia,U.S.A.	38.2383N	79.7667W	750	From 1978-08-01
Bath County 4	BV4	Virginia,U.S.A.	38.3572N	79.8278W	814	From 1978-08-01
Bath Hotel, Nevis	NVBH	Nevis,Saint Kitts and Nevis	17.1169N	62.6168W	15	From 2002-05-02
Bathurst New Brunswick	BATG	New Brunswick,Canada	47.2767N	66.0599W	336	From 2005-10-22
Batken	BTK	Kyrgyzstan	40.0580N	70.8180E	1020	
Batman	BTMN	Turkey	37.8911N	41.2701E	959	From 2003-10-02
Batman	BTMT	Turkey	38.1923N	41.4888E	854	
Batoke	BTE	Cameroon	4.0481N	9.0869E	90	From 1985-03-01
Batrach	BTCH	Syria	36.0375N	36.4592E	803	From 1995-04-01
Bat Shelomo	BTI	Israel	32.6140N	35.0160E	300	
Battle Mountain	BMN	Nevada,U.S.A.	40.4315N	117.2218W	1594	From 1969-09-02
Baubata	PGBAU	New Britain,Papua New Guinea	5.3674S	151.0334E	251	
Bau Bau	BBSI	Buton	5.4875S	122.5704E	104	From 2005-01-01
Bau Bau, Buton	BSSI	Buton	6.1428S	120.4904E	114	From 2008-12-01
Baumata	BATI	Asia,Indonesia	10.2065S	123.6633E	356	
Baumata	BWTI	Timor,Indonesia	10.2000S	123.7000E		
Bautismo	BAUT	Venezuela	10.5065N	66.4820W	1976	From 1984-01-01 to 1999-08-25
Ba Vi	BVV	Vietnam	21.1022N	105.3687E	182	
Bavra	BAW	Armenia	41.1200N	43.8000E	2160	From 1977-01-01
Bawean	BWJI	Bawean	5.8511S	112.6578E	58	From 2005-01-01
Baw Faw Mountain	BFW	Washington,U.S.A.	46.4867N	123.2150W	902	From 1972-10-25
Bayana	BAYN	Nepal	29.4700N	81.2000E	3050	From 1995-01-01
Bayan-Aul	BAYK	Kazakhstan	50.8200N	75.5500E	0	
Bayanday	BAY	Irkutskaya Oblast',Russia	53.0667N	105.5170E		
Bayano	BYN	Panama	9.1910N	78.8750W	120	
Bayan-Olgiy	BYO	Mongolia	48.9600N	89.9600E	2075	
Bay Bridge East	BBEB	California,U.S.A.	37.8216N	122.3298W	-30	
Bay Bridge East Pier 17	E17B	California,U.S.A.	37.8209N	122.3353W	-164	
Bay Bridge East Pier 7	E07B	California,U.S.A.	37.8185N	122.3469W	-142	
Bay Bridge West Pier 2	W02B	California,U.S.A.	37.7911N	122.3863W	-45	
Bay Bridge West Pier 5	W05B	California,U.S.A.	37.8011N	122.3758W	0	
Bayer	BYRJ	Jordan	30.6400N	36.5000E	1030	
Baylor University	BUTX	Texas,U.S.A.	31.6917N	97.3483W	183	From 1992-11-01
Bayram-Ali	BAT	Turkmenistan	37.6000N	62.1167E		
Baytree	DCA2	Alberta,Canada	55.7916N	119.8877W	819	
Baza	EXBZ	Spain	37.4900N	2.7750W	881	
BB Station	BBSR	Bermuda	32.3712N	64.6962W	-25	
Beach Ranch, Enterprise	F10A	Oregon,U.S.A.	45.9734N	117.2277W	1136	From 2006-08-23 to 2009-01-08
Beaesweiler	BA12	Nordrhein-Westfalen,Germany	50.9091N	6.1863E	116	From 2006-10-01
Bean Ranch, Sierra Blanca	325A	Texas,U.S.A.	31.3711N	104.9712W	1666	From 2008-02-25 to 2010-01-16
Bear Butte	KBBM	California,U.S.A.	40.1970N	123.8500W	576	
Bear Canyon	BCU	Utah,U.S.A.	39.5983N	110.3710W	2438	From 1962-01-01 to 1977-03-31
Bear Canyon	BCYI	Idaho,U.S.A.	44.3108N	113.4050W	2194	From 1992-01-01
Bear Creek Country Club, Murrieta	BCCC	California,U.S.A.	33.5751N	117.2612W	391	From 2000-07-11 to 2005-08-08
Bear Creek Road	JBCM	California,U.S.A.	37.1603N	122.0260W	660	From 1969-05-21
Bear Creek Road	LT15	California,U.S.A.	37.1603N	122.0260W	660	From 1969-05-21
Beardsley Farm, Havre	B18A	Montana,U.S.A.	48.3943N	109.7775W	950	From 2007-11-14 to 2009-09-04
Bear Gulch	BGH	California,U.S.A.	37.3420N	122.3390W	158	From 1971-11-02
Bear Gulch	JBGM	California,U.S.A.	37.3420N	122.3390W	158	From 1971-11-02
Bear Mountain	BMTC	California,U.S.A.	35.1358N	118.5970W	1237	From 1976-08-01 to 2008-02-22
Bear Mountains	BMNM	New Mexico,U.S.A.	34.2750N	107.2600W	1972	
Bear Paw Mtn.	BPAW	Alaska,U.S.A.	64.1002N	150.9848W	619	
Bear River Range	BEI	Idaho,U.S.A.	42.1167N	111.7820W	1859	From 1974-10-01
Bear Valley	BVLM	California,U.S.A.	36.5752N	121.1890W	510	From 1970-09-03
Bear Valley	BVL	California,U.S.A.	36.5752N	121.1890W	510	From 1970-09-03
Bear Valley Observatory	BVC	California,U.S.A.	38.0397N	122.7930W	30	
Beas, Huelva	E009	Spain	37.4192N	6.7651W	148	From 2007-09-26 to 2009-06-23
Beatrice	BENE	Nebraska,U.S.A.	40.2167N	96.6025W	396	
Beatty	BEA	Nevada,U.S.A.	36.8833N	116.7670W		From 1972-01-01 to 1973-04-30
Beatty	BTY	Nevada,U.S.A.	36.8833N	116.7670W	1183	From 1971-01-01 to 1973-04-30
Beaufort West	BEW	Cape Province,South Africa	32.3565S	22.5730E	870	From 1993-04-01 to 2001-03-03
Beaumont Base	BBSC	California,U.S.A.	33.9214N	116.9806W	785	
Beaver	BHUT	Utah,U.S.A.	38.2768N	112.6404W	1799	From 2008-06-09
Beaver	BVR	Pennsylvania,U.S.A.	40.7000N	80.3333W		
Beaver Butte	VBEM	Oregon,U.S.A.	45.0603N	121.5870W	1544	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Beaver Creek	BVCY	Yukon Territory,Canada	62.4141N	140.8606W	708	From 2010-08-14
Beaver Creek Array Beam Reference Point	BCAR	Alaska,U.S.A.	63.0656N	141.7851W	846	
Beaver Creek Array Site 1	BC01	Alaska,U.S.A.	63.0619N	141.8279W	746	
Beaver Creek Array Site 2	BC02	Alaska,U.S.A.	63.0440N	141.8021W	563	
Beaver Creek Array Site 3	BCA3	Alaska,U.S.A.	63.0656N	141.7851W	846	From 1993-07-01
Beaver Creek Array Site 4	BC04	Alaska,U.S.A.	63.0809N	141.7684W	790	
Beaver Creek Array Site 5	BC05	Alaska,U.S.A.	63.0610N	141.7534W	908	
Beaver Dam Saddle, Pierce	E12A	Idaho,U.S.A.	46.4151N	115.5705W	1555	From 2007-08-23 to 2009-07-23
Beaver Lake	BVK	Utah,U.S.A.	38.5464N	113.1050W	1707	
Beaver Lake Mountains	BKU	Utah,U.S.A.	38.5352N	113.1270W	1859	From 1980-12-01 to 1988-09-29
Beaver Mountain	BEAW	Wyoming,U.S.A.	43.2509N	110.6130W	2960	From 1990-09-01
Bebedouro	BB19B	Sao Paulo	21.0659S	48.5276W	574	
Bebedouro	BB16B	Sao Paulo,Brazil	21.0333S	48.5855W	527	From 2009-01-01
Becerrea'	EXBE	Spain	42.8530N	7.1590W	675	
Bechler	YPBE	Wyoming,U.S.A.	44.1495N	111.0390W	1966	
Becho	BCHG	Georgia	43.0332N	42.5784E	1345	From 1983-01-01
Beckley	BL-	West Virginia,U.S.A.	37.7989N	81.3100W	610	From 1961-12-13 to 1965-07-23
Beckley	BL-WV	West Virginia,U.S.A.	37.7989N	81.3100W	610	From 1961-12-13 to 1965-07-23
Beckworth	BEKR	California,U.S.A.	39.8667N	120.3586W	1743	From 2000-10-01
Beclabito	T19A	New Mexico,U.S.A.	36.8299N	109.0249W	1736	From 2007-06-22 to 2009-03-03
Becsehely	BEHE	Hungary	46.4702N	16.7755E	298	From 2005-03-26
Bedford	BD-	Pennsylvania,U.S.A.	40.1333N	78.5078W	366	From 1962-12-22 to 1963-03-21
Bedford	BD-PA	Pennsylvania,U.S.A.	40.1333N	78.5078W	366	From 1962-12-22 to 1963-03-21
Bedland, Calhan	Q25A	Colorado,U.S.A.	38.9145N	104.2472W	2001	From 2008-06-08
Beebe Ranch	BBR	California,U.S.A.	38.2608N	122.5500W	137	From 1970-08-14
Beebe Ranch	NBRM	California,U.S.A.	38.2608N	122.5500W	137	From 1970-08-14
Beecher Island, Eckley	O27A	Colorado,U.S.A.	40.1900N	102.4794W	1206	From 2008-12-07
Beegum Peak	LBPM	California,U.S.A.	40.3183N	122.8810W	1051	
Beenleigh	BEEN	Queensland,Australia	27.7276S	153.1980E	130	
Beeville	835A	Texas,U.S.A.	28.2870N	97.8297W	57	From 2009-12-21
Beibei	PEH	Sichuan,China	29.8367N	106.4180E	213	
Beijing	BJI	Beijing,China	40.0403N	116.1750E	43	
Beijing	PEK	Beijing,China	40.0403N	116.1750E	43	
Beijing	BJI2	Beijing,China	40.1017N	116.0820E		From 1977-03-01 to 1977-06-30
Beirut	BEYL	Lebanon	33.8717N	35.4932E	49	From 2006-07-01
Beja	PBEJ	Portugal	38.0264N	7.8664W	270	From 1995-06-01
Bekescsaba	BKE	Hungary	46.6125N	17.8930E	95	From 1987-01-01 to 1984-12-31
Belacker	BAF	Alsace,France	47.8347N	6.9953E	1000	From 1974-10-01
Belbasi	BBTK	Turkey	39.8422N	32.7603E	1200	From 1986-01-01
Belbasi Array Beam Reference Point	BRAR	Turkey	39.8535N	32.7608E	1243	
Belbasi Array Site 1	BR01	Turkey	39.8417N	32.7601E	1286	
Belbasi Array Site 2	BR02	Turkey	39.8488N	32.7654E	1270	
Belbasi Array Site 3	BR03	Turkey	39.8334N	32.7656E	1259	
Belbasi Array Site 31	BR31	Turkey	39.8535N	32.7608E	1243	
Belbasi Array Site 4	BR04	Turkey	39.8409N	32.7413E	1265	
Belbasi Array Site 5	BR05	Turkey	39.8481N	32.7469E	1265	
Belbasi Array Site 6	BR06	Turkey	39.8533N	32.7483E	1210	
Belbasi Site	BR00	Turkey	39.8535N	32.7608E	1243	
Belchertown	QUA2	Massachusetts,U.S.A.	42.2789N	72.3525W	168	
Belem	BEB	Para,Brazil	1.4500S	48.4450W	15	From 1987-01-01
Belen	BLNT	Turkey	36.4880N	36.1880E	555	From 1997-03-01
Belfast (SA)	BFT	Transvaal,South Africa	25.6867S	30.0433E	1868	From 1986-01-01
Belfond	SLB	St Lucia	13.8275N	61.0412W	600	
Belgrade	BGNE	Nebraska,U.S.A.	41.4083N	98.1502W	573	From 2008-10-18
Belgrade	BGY	Serbia	44.8026N	20.5158E	250	From 1990-01-01
Belgrano 2	BELA	Coats Land	77.8750S	34.6269W	262	From 2009-01-16
Belica	BELI	Former Yugoslav Rep. of Macedonia	41.6828N	21.2739E	523	From 2004-01-01
Bella Bella	BBB	British Columbia,Canada	52.1847N	128.1130W	14	From 1986-12-05
Bella Coola	BCBC	British Columbia,Canada	52.3720N	126.7550W	0	From 2007-12-06
Bellamira	BLLM	El Salvador	13.4425N	88.2378W	642	
Bellaria	BLLA	Italy	44.1429N	12.4703E	1	From 2009-01-15
Belle Mtn. Joshua Tree, Twentynine Palms	BELC	California,U.S.A.	34.0006N	115.9982W	1388	From 2001-03-15
Belle Prairie	BPIL	Illinois,U.S.A.	38.2019N	88.5919W	133	
Belleterre	BELQ	Quebec,Canada	47.3980N	78.6874W	355	From 2007-08-22
Belleview	BE-	Florida,U.S.A.	28.9053N	82.0644W	21	From 1965-10-07 to 1967-01-16
Belleview	BE-FL	Florida,U.S.A.	28.9053N	82.0644W	21	From 1965-10-07 to 1967-01-16
Belle View Chopil	DBCT	Dominica	15.2707N	61.3456W	527	From 1989-12-01
Belleville	BV-PA	Pennsylvania,U.S.A.	40.6844N	77.6233W	244	From 1962-11-08 to 1962-12-12
Belleville	BVIL	Illinois,U.S.A.	38.5136N	89.9240W	162	
Belleville	BV-	Pennsylvania,U.S.A.	40.6844N	77.6233W	244	From 1962-11-08 to 1962-12-12
Bellevue	BVM	Martinique	14.7350N	61.0630W	694	From 1972-05-01
Bellevue State Park	BVD	Delaware,U.S.A.	39.7747N	75.4994W	58	From 1985-02-01
Bellfield	BFD	Victoria,Australia	37.1761S	142.5440E	235	From 1972-10-16 to 2006-05-29
Bellingham	BLL	Washington,U.S.A.	48.7389N	122.4850W	96	From 1961-12-01 to 1969-12-31
Bell Mountain	BLM*	Nevada,U.S.A.	39.1536N	118.0917W	1951	From 1972-01-13 to 1975-07-31
Bell Site, White Sands Missle Range	123A	New Mexico,U.S.A.	32.6349N	106.2622W	1206	From 2008-05-14 to 2010-01-19
Bell Springs	KBSM	California,U.S.A.	39.9178N	123.5950W	1134	
Bellville	BLE	Cape Province,South Africa	33.9000S	18.6450E	78	
Belmont	SVB	St Vincent,Saint Vincent and the Grenadines	13.2720N	61.2520W	282	From 1978-06-06
Belogorka	BGK	Kyrgyzstan	42.6250N	74.2360E	1450	
Belogorka 2	BGK2	Kyrgyzstan	42.6451N	74.2274E	1640	
Belsk	BEL	Poland	51.8370N	20.7920E	180	From 1965-11-03
Belted Range	BLT	Nevada,U.S.A.	37.4825N	116.1260W	1882	From 1979-05-30 to 2002-10-10
Beluga	BLGA	Alaska,U.S.A.	61.1765N	151.0313W	20	
Belvedere	BELV	Provence-Cote d'Azur	44.0160N	7.3190E	800	From 2004-03-17
Belvue	BEK	Kansas,U.S.A.	39.2632N	96.1997W	349	From 1977-09-15 to 2001-07-15
Belyy Ugol+	BEYR	Russia	44.0120N	42.8170E	660	
Belyy Yar	BYAR	Khanty-Mansi Autonomous Okrug,Russia	61.4167N	73.4000E	91	
Bemidji	BEM	Minnesota,U.S.A.	47.4889N	94.8683W	426	From 1981-07-07
Benavides	934A	Texas,U.S.A.	27.6018N	98.5192W	144	From 2009-12-20
Bench	BEH	Alaska,U.S.A.	66.0150N	149.8120W		From 1985-03-01
Bend	I05A	Oregon,U.S.A.	44.1626N	121.2675W	1011	From 2004-07-21 to 2008-01-30
Bend	CKT	Alaska,U.S.A.	61.2008N	152.2060W	1036	From 1992-09-17
Bend	BEND	Oregon,U.S.A.	44.0669N	121.3267W	1141	
Benevento	BNV	Italy	41.1333N	14.3000E	154	
Bengkulu	BGI	Sumatera,Indonesia	3.6500S	102.5670E		
Beni-Abbes	BAB	Algeria	30.1214N	2.1861W		
Beniarda	EBEN	Spain	38.7038N	0.2250W	764	
Benidorm	EXBN	Spain	38.5450N	0.1310W	45	
Beni Messoud	BMD	Morocco	35.7803N	5.6997W	396	
Beni Rached	EBNR	Algeria	36.2905N	1.5302E	636	
Ben Lomond (Santa Cruz Mountains)	BNLO	California,U.S.A.	37.1311N	122.1729W	794	From 2005-04-20 to 2007-09-02
Bennet, Jal	227A	New Mexico,U.S.A.	32.0120N	103.2924W	879	From 2008-03-21 to 2010-02-15
Bennett Dam	BDBC	British Columbia,Canada	56.1742N	122.2820W	700	From 1985-10-01
Benn Knob	BENN	North Carolina,U.S.A.	35.5650N	81.6610W	878	From 1982-01-22 to 2008-02-13
Benoni	BNON	South Africa	26.1580S	28.3190E	1683	From 2010-03-01
Bensberg	BNS	Nordrhein-Westfalen,Germany	50.9639N	7.1756E	200	From 1954-04-01
Bensberg	BA09	Nordrhein-Westfalen,Germany	50.9638N	7.1755E	200	From 2006-10-01
Benson Hill Elementary School	RBEN	Washington,U.S.A.	47.4348N	122.1862W		
Benson Ranch	BENWA	Washington,U.S.A.	46.5188N	119.7170W	335	
Benton	BENR	California,U.S.A.	37.7155N	118.5730W	2490	From 1983-07-29
Beograd	BEO	Serbia	44.8093N	20.4714E	129	From 1910-06-01
Beppu	BEP	Oita,Japan	33.2833N	131.4830E	75	
Beppuamama	JBEP	Kumamoto,Japan	33.3363N	131.4072E	434	From 2010-02-01
Beqa	BQA	Fiji	18.3786S	178.1350E	439	From 1979-10-01
Berane	BEY	Montenegro	42.8718N	19.8931E	996	From 1982-12-25
Berane	IVA	Montenegro	42.8717N	19.8981E	945	From 1982-12-25
Berati	BERA	Albania	40.7027N	19.9494E	100	
Berchikul'	BRCR	Kemerovskaya Oblast',Russia	55.6400N	88.3200E	350	
Berchtesgaden	BGLD	Bayern,Germany	47.6524N	13.0125E	930	From 1999-10-22
Berda	BERT	Tunisia	34.2410N	9.0118E	320	
Berdun	YBER	Spain	42.5810N	0.9182W	632	From 2010-05-01
Beregovo	BERU	Ukraine	48.2336N	22.6464E	140	From 2000-07-12
Berezeni	BERR	Romania	46.3589N	28.1501E	66	From 2001-11-08
Bergen	BER	Norway	60.3838N	5.3339E	50	From 1994-06-28
Berg Farm, Melba	J10A	Idaho,U.S.A.	43.4275N	116.7670W	748	From 2006-11-29 to 2008-07-24
Berggiesshubel	BRG	Sachsen,Germany	50.8732N	13.9428E	260	
Bergheim	BGUS	Saskatchewan,Canada	52.1960N	106.3980W	594	From 1999-01-01 to 2002-12-01
Bergheim	BEG	Nordrhein-Westfalen,Germany	50.9613N	6.6557E	-95	From 1975-05-01 to 1994-12-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bergheim Laurentius Kirche	BD01	Nordrhein-Westfalen,Germany	50.9593N	6.6355E	78	From 2001-01-01
Berg Lake	BERG	Alaska,U.S.A.	60.3928N	143.7018W	474	
Bergtoll Ranch, Theony	A21A	Montana,U.S.A.	48.9912N	106.9254W	779	From 2008-09-17 to 2010-07-19
Bering	BKI	Kamchatskaya Oblast',Russia	55.2040N	165.9720E	10	
Bering Glacier BLM Camp	BGLC	Alaska,U.S.A.	60.1210N	143.2821W	10	
Berja	EBER	Spain	36.8979N	2.8896W	1690	
Berkeley--Byerly	BKS	California,U.S.A.	37.8762N	122.2356W	243	From 1962-01-01
Berkeley--Haviland	BRK	California,U.S.A.	37.8735N	122.2610W	49	From 1887-01-01
Berlin	BR-PA	Pennsylvania,U.S.A.	39.9242N	78.8447W	665	From 1962-12-30 to 1965-07-23
Berlin	BNH	New Hampshire,U.S.A.	44.5906N	71.2564W	472	From 1963-01-01 to 1999-01-31
Berlin	BRN	Berlin,Germany	52.4188N	13.2031E	45	From 1972-07-01
Berlin--Free University	BRL	Berlin,Germany	52.4715N	13.2904E	-68	From 1970-01-01
Berlin--Lankwitz	BRNL	Berlin,Germany	52.4278N	13.3580E	42	From 1991-04-06
Berlin (NY)	BERL	New York,U.S.A.	42.6913N	73.3913W	549	
Berlin (Penn)	BR-	Pennsylvania,U.S.A.	39.9242N	78.8447W	665	From 1962-12-30 to 1965-07-23
Bermuda--Columbia	BEC	Bermuda	32.3794N	64.6811W	41	From 1939-02-03
BERMUDA INFRASONIC ARRAY REFERENCE POINT	BTGB	Bermuda	32.3615N	64.6987W	-35	From 2008-11-10
Bermuda-Navy	BEN	Bermuda	32.2697N	64.8536W		
Bernadia	BERI	Italy	46.2367N	13.2433E	640	From 1977-05-06
Bernadia	BAD	Italy	46.2367N	13.2433E	640	From 1977-05-06
Bernardo	X22A	New Mexico,U.S.A.	34.5058N	107.0102W	1604	From 2008-01-10
Bernardo	BDNM	New Mexico,U.S.A.	34.4960N	106.9130W	1505	From 1990-01-01
Bernie	BRNM	Missouri,U.S.A.	36.7236N	89.9978W	103	
Bernie	BRM	Missouri,U.S.A.	36.6333N	90.0597W	109	From 1969-01-01 to 1973-12-31
Berninapass	BERNI	Switzerland	46.4132N	10.0221E	2310	From 1998-08-01
Bernov	BERN	Czech Republic	50.2321N	12.5117E	635	
Berrybush	BYB	Wales,United Kingdom	51.8994N	5.0958W	0	
Berryessa Peak	NBPM	California,U.S.A.	38.6678N	122.1930W	67	From 1974-05-10
Berryman	BRR	Missouri,U.S.A.	37.9533N	91.1750W	250	From 1960-01-01 to 1962-12-31
Ber_school_1	RORSS	Norway	64.8702N	11.2340E	0	From 2000-01-01
Ber_school_2	MELSS	Norway	66.8637N	13.7233E	29	From 2000-01-01
Bertagne	BERF	Provence-Cote d'Azur,France	43.3130N	5.6907E	1030	
Bertell Ranch	BRTC	California,U.S.A.	34.6115N	117.9630W	789	
Bertha Hill	BHI	Idaho,U.S.A.	46.7640N	115.7920W	1652	From 1971-10-01 to 1976-01-14
Berwen	BWZ	South Island,New Zealand	44.5339S	169.8869E	500	From 1991-01-20
Besancon	BES	Franche Comte,France	47.2497N	5.9875E	311	From 1950-01-01
Besboro Island	BBO	Alaska,U.S.A.	64.1212N	161.3050W	244	
Besiri	BEST	Turkey	37.8911N	41.2700E	959	From 2003-10-02
Bessie Mountain	BESE	Alaska,U.S.A.	58.5796N	134.8543W	870	
Betania	BETC	Colombia	2.6814N	75.4413W	540	From 1994-01-01
Bet Guvrin	GVI	Israel	31.6320N	34.9090E	390	From 1983-04-01 to 1999-08-25
Bethany	BETM	Missouri,U.S.A.	36.6119N	90.0593W	129	
Betharram	BTH	Aquitaine,France	43.1231N	0.2069W	325	From 1986-08-01 to 1995-12-31
Bethel	BQ-AK	Alaska,U.S.A.	60.7789N	161.8836W	46	
Bethel	BET	Alaska,U.S.A.	60.8078N	161.7720W		
Bethel	BETH	Kentucky,U.S.A.	38.2467N	83.8531W	278	From 1980-10-26 to 1999-08-25
Bethel	BHO	Oklahoma,U.S.A.	34.3808N	94.8673W	143	From 1981-03-30 to 1987-10-15
Bethel	MBET	Montserrat	16.7414N	62.1631W	350	From 1989-07-01
Bethesda--National Naval Medical Center	NHB	Maryland,U.S.A.	39.0016N	77.0837W	91	From 1962-01-01 to 1972-12-31
Betijoque	BETV	Venezuela	9.3795N	70.6730W	638	
Bet Lehem HaGelilit	BLGI	Israel	32.7334N	35.1913E	190	From 2007-11-19
Bet Oren	BRNI	Israel	32.7200N	34.9900E	400	From 1991-12-01
Beuda	CBEU	Spain	42.2567N	2.6769E	824	From 2007-05-01
Beuren	BEU	Baden-Wurttemberg,Germany	48.5838N	9.4153E	443	From 1973-01-01 to 2002-03-08
Beverley	BEV	Jamaica	18.4517N	77.3000W	123	
Beverly	BVW	Washington,U.S.A.	46.8110N	119.8823W	670	
Beverly Hills	BVH	California,U.S.A.	34.0762N	118.3959W	39	
Beykoz	BEYT	Turkey	41.1590N	29.2910E	153	
Bezymyannaya	BZMR	Kamchatskaya Oblast',Russia	55.9350N	160.4900E	1450	From 2006-08-01
Bezymyannyi-Griva	BZGR	Kamchatskaya Oblast',Russia	55.9400N	160.6960E	1152	From 2007-08-23
Bezymyannyi-West	BZWR	Kamchatskaya Oblast',Russia	55.9640N	160.4960E	1624	From 2007-08-23
Bhakra	BHK	Punjab,India	31.4167N	76.4167E	410	From 1965-02-15
Bhandari	BHDI	Nagaland,India	26.2800N	94.1492E	700	
Bhannes	BHL	Lebanon	33.9042N	35.6542E	1000	From 1980-05-01
Bhavnagar	BHV	Gujarat,India	21.7500N	72.1433E	7	From 2002-07-16
Bhopal	BHPL	Madhya Pradesh,India	23.2410N	77.4245E	520	
Bhubaneshwar	BWNR	Orissa,India	20.2955N	85.8058E		
Bhuj	BHJ	Gujarat,India	23.2540N	69.6540E	80	From 1980-04-01
Bhuj	BHUJ	Gujarat,India	23.2540N	69.6540E		
Bhumibol Dam	BDT	Thailand	17.2443N	99.0030E	154	From 1976-01-01
Biak	BAKI	Irian Jaya,Indonesia	1.1914S	136.1070E	89	
Bialla	BIAL	New Britain,Papua New Guinea	5.3100S	151.0520E	160	From 1985-05-13
Bibbiana	BIBN	Italy	44.0800N	11.3000E	711	From 2005-04-23
Biblis	WBH	Hessen,Germany	49.7047N	8.4151E	85	From 2004-09-17
B. Ibn Batouta	BIT	Morocco	35.6481N	5.7289W	60	
Bicaz	BIZ	Romania	46.9392N	26.1042E	410	
Biccari - m.te Cornacchia	MOCO	Italy	41.3700N	15.1580E	1049	From 2005-08-03
Bickleton	BLTW	Washington,U.S.A.	45.9150N	120.1770W	659	
Bidbid	BIDO	Oman	23.5211N	58.1269E	200	From 2001-07-01
Biddle	G23A	Montana,U.S.A.	45.2012N	105.3907W	1064	From 2008-11-23
Bidston	BID	England,United Kingdom	53.4000N	3.0667W	60	
Bieber	WBG	Hessen,Germany	50.1716N	9.3459E	310	From 2003-12-15
Bielsa	EBIE	Spain	42.6862N	0.1428E	2130	
Bielsko-Biala	MIKI	Poland	49.7884N	19.0603E	358	From 2005-06-15
Big Bar	N02C	California,U.S.A.	40.8220N	123.3057W	717	From 2005-06-29 to 2007-11-19
Big Bear	BBC	California,U.S.A.	34.2417N	116.9080W	2060	From 1951-06-21 to 1957-09-20
Big Bear Solar Observatory, Big Bear Lake	BBRC	California,U.S.A.	34.2623N	116.9207W	2069	From 2000-06-14
Big Bend	BBI	Idaho,U.S.A.	44.1762N	111.4290W	1950	From 1974-06-01 to 1980-07-24
Big Bend	BBM	Montana,U.S.A.	48.3764N	115.3280W	719	From 1971-02-01 to 1974-07-09
Big Bend Ranch, Presidio	626A	Texas,U.S.A.	29.5540N	104.1335W	979	From 2008-03-09 to 2010-02-07
Big Butte	BGB	Nevada,U.S.A.	37.0402N	116.2278W	1706	From 1979-01-23 to 2002-10-10
Big Chuckawalla Mtns, Desert Center	BC3	California,U.S.A.	33.6551N	115.4537W	1137	From 1991-05-08
Big Chuckwalla Mountains 2	BC2	California,U.S.A.	33.6570N	115.4612W	1185	From 1974-11-01 to 2008-02-22
Big Creek	BGN	Nevada,U.S.A.	41.6761N	118.5970W	1527	From 1974-03-01 to 1975-08-31
Big Creek Baldy	BCB	Montana,U.S.A.	48.6351N	115.5450W	1756	From 1972-07-02 to 1976-10-04
Big Creek, Yellow Pine	G12A	Idaho,U.S.A.	45.1285N	115.3257W	1780	From 2007-07-29 to 2009-07-25
Big Darby	GBDM	California,U.S.A.	39.4420N	123.3090W	655	
Big Dutch Hollow	BDU	Utah,U.S.A.	40.8742N	111.5340W	2198	From 1974-09-01 to 1989-04-24
Bigfork	BFM	Montana,U.S.A.	48.0672N	114.1000W	914	
Big Grassy Butte	GBI	Idaho,U.S.A.	43.9875N	112.0630W	1561	
Big Grassy Mountain	BGU	Utah,U.S.A.	40.9254N	113.0299W	1608	
Big Gulch	LBGM	California,U.S.A.	40.8023N	122.5897W	884	
Big Hill	BLW	North Island,New Zealand	41.3686S	175.4740E	340	From 1979-06-29 to 2004-06-08
Big Hole Peak	BHMT	Montana,U.S.A.	47.5825N	115.0370W	1628	
Big Horn, Sheridan	H21A	Wyoming,U.S.A.	44.6277N	107.0423W	1411	From 2008-07-25
Big Horse Ranch, Ione	R04C	California,U.S.A.	38.2571N	120.9363W	115	From 2004-12-08 to 2007-12-04
Big Koniuji Island	BKJ	Alaska,U.S.A.	55.1567N	159.5590W	146	
Big Lost River	LRI	Idaho,U.S.A.	43.5283N	112.9480W	1509	From 1971-12-01 to 1999-08-25
Big Maria Mountains	BMM	California,U.S.A.	33.7567N	114.5860W	564	From 1974-04-01 to 1976-10-31
Big Mountain	BBGM	California,U.S.A.	36.5913N	121.0250W	1216	From 1972-02-03
Big Mountain	BGM	Alaska,U.S.A.	59.3927N	155.2290W	625	From 1979-02-21
Big Mountain	BIG	Alaska,U.S.A.	59.3889N	155.2170W	567	From 1972-07-31 to 1978-09-08
Big Muddy Lake	BMS	Saskatchewan,Canada	49.2117N	104.7930W	700	From 1977-07-11
Bigot	BIM	Martinique	14.5170N	61.0708W	425	From 1972-01-01
Big Rock Lookout	BROR	Oregon,U.S.A.	44.2674N	122.4520W	135	
Big Springs	BSPT	Tennessee,U.S.A.	35.7260N	84.1090W	334	From 1983-11-01
Big Stone Gap	BI-VA	Virginia,U.S.A.	36.8458N	82.7069W	549	From 1962-11-07 to 1962-12-12
Big Stone Gap	BI-	Virginia,U.S.A.	36.8458N	82.7069W	549	From 1962-11-07 to 1962-12-12
Bigte	NZB	Luzon,Philippines	14.8630N	121.1010E	227	
Big Timber	F18A	Montana,U.S.A.	45.9046N	109.7158W	1291	From 2007-09-18 to 2009-09-12
Big Trails, Ten Sleep	I21A	Wyoming,U.S.A.	43.8122N	107.2920W	1639	From 2008-07-29
Bijagual	LAJ	Costa Rica	9.8637N	84.1213W	1650	
Bijeljina	BLJ	Bosnia and Herzegovina	44.7830N	19.2670E	94	From 2002-07-05
Bilaspur	BLSP	Madhya Pradesh,India	22.1291N	82.1319E	398	
Bilaspur	BLPI	Madhya Pradesh,India	22.0833N	82.4167E	85	
Bilibino	BILL	Magadanskaya Oblast',Russia	68.0389N	166.2711E	299	
Billerbeck	NE35	Nordrhein-Westfalen,Germany	51.9720N	7.3480E	166	
Billings	F20A	Montana,U.S.A.	45.8006N	108.1488W	1194	From 2008-07-23
Billings	BS-MA	Montana,U.S.A.	45.7322N	108.8922W	1219	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bima	BMNI	Sumba,Indonesia	8.5400S	118.6926E	63	From 2005-01-01
Bindweide	BIW	Rheinland-Pfalz,Germany	50.7308N	7.8373E	360	
Bingham Canyon	BIU	Utah,U.S.A.	40.5131N	112.1360W	2244	
Binghamton	BING	New York,U.S.A.	42.0757N	75.9767W	408	From 1978-10-18 to 1986-09-30
Binghamton	BINY	New York,U.S.A.	42.1993N	75.9861W	498	From 1993-08-17
Binghamton	BNY	New York,U.S.A.	42.0896N	75.9708W	291	From 1970-08-01
Bingley Moor	BMY	England,United Kingdom	53.8698N	1.8185W	235	
Bingol	BINT	Turkey	38.8758N	40.4890E	1342	From 1997-08-21
Bingol	BGOL	Turkey	38.9882N	40.6711E	1166	From 2011-01-07
BINGOL	BNGL	Turkey	38.9521N	41.1499E	1968	From 2005-07-11
Bing¶ll	BNGB	Turkey	38.9913N	40.6790E	1180	From 2008-11-21
Binningen	SBIS2	Switzerland	47.4511N	7.5835E	315	From 2008-12-01
Binsa	BIN	Congo (Kinshasa)	4.3667S	15.2500E	450	From 1966-01-01 to 1999-08-25
Bintulu	BTM	Sarawak,Malaysia	3.2000N	113.0833E	156	
Biorka	BIO	Alaska,U.S.A.	56.8517N	135.5580W	61	From 1967-06-08 to 1970-05-31
Bi'r al Bayda'	BIDS	Saudi Arabia	26.8669N	36.9575E	200	
Biratori	JBT	Hidaka,Japan	42.5898N	142.1337E	100	From 1995-04-01
Biratori 2	JBT2	Hidaka,Japan	42.7783N	142.3637E	170	
Birch Creek	BCKR	California,U.S.A.	37.6975N	118.3720W	1634	From 1984-09-13
Birch Farm	BFZ	North Island,New Zealand	40.6817S	176.2460E	318	From 1996-07-01
Birchfield Mountain	BFMT	Tennessee,U.S.A.	35.4880N	84.2270W	329	From 1983-11-09
Birch Hill	BRH	Alaska,U.S.A.	64.8648N	147.6400W	330	From 1970-07-09 to 1972-08-10
Bird Springs	WBSM	California,U.S.A.	35.5370N	118.1390W	1932	
Birjand	BIRU	Iran	32.9000N	59.2000E	0	
Birlad	BIR	Romania	46.2664N	27.6264E	225	From 1979-01-01
Birley Grange	KBI1	England,United Kingdom	53.2543N	1.5279W	272	From 1988-01-01
Bir Mashi	BMSH	Saudi Arabia	28.8139N	34.8389E	50	From 1993-07-01
Birney	G22A	Montana,U.S.A.	45.2189N	106.2924W	1203	From 2008-11-22
Birongo	BIRV	Venezuela	10.4756N	66.2693W	200	
Bi'r Shalatayn	HSHL	Egypt	23.1067N	35.3999E	147	
Bisbee	318A	Arizona,U.S.A.	31.4390N	109.9907W	1576	From 2007-03-07 to 2009-01-20
Biscoitos	PBIS	Azores,Portugal	38.7613N	27.2527W	435	From 2003-03-01
Bishah	BISH	Saudi Arabia	20.0010N	42.5990E	800	From 1991-05-01
Bishkek	FRU	Kyrgyzstan	42.8333N	74.6167E	655	
Bishop	BP-CL	California,U.S.A.	37.3600N	118.6903W	2317	From 1963-04-16 to 1963-07-18
Bishop	BHPR	California,U.S.A.	37.2995N	118.4870W	2171	From 1984-08-10
Bishop	BP-	California,U.S.A.	37.3600N	118.6903W	2317	From 1963-04-16 to 1963-07-18
Bishop Farm, Joseph	G10A	Oregon,U.S.A.	45.2925N	117.1204W	1527	From 2006-08-24 to 2008-07-18
Bishrakh	BISR	Uttar Pradesh,India	28.5710N	77.4390E	0	
Bislig	BIPH	Mindanao,Philippines	8.1840N	126.3610E	44	
Bislig	BIP	Mindanao,Philippines	8.2250N	126.2500E	200	
Bismark Peak	BIS	Nevada,U.S.A.	39.1238N	119.6750W	1786	From 1978-03-01
BISOCA	BISC	Romania	45.5402N	26.6874E	950	From 2005-08-10
Bistriski jarek	BISS	Slovenia	46.6478N	15.1271E	480	From 1996-12-01
Bisya	BSY	Oman	22.7446N	57.1995E	450	From 2001-07-01
Bisya	BSYO	Oman	22.7310N	57.2402E	350	From 1998-05-26 to 2000-12-31
Bitlis	BTLK	Turkey	38.4070N	42.1060E	1545	
Bitola	BIA	Former Yugoslav Rep. of Macedonia	41.0194N	21.3239E	720	From 1994-09-17
Bitter Crk WRge	BCW	California,U.S.A.	34.9401N	119.4131W	1101	
Bitterwater Creek	PBWM	California,U.S.A.	36.3150N	120.9290W	381	From 1972-01-27
Bitterwater Creek	BTW	California,U.S.A.	36.3150N	120.9290W	381	From 1972-01-27
Bixby	BIX	Oklahoma,U.S.A.	35.9780N	95.8461W	195	From 1990-08-01
Bjarnastaoir	IBJA	Iceland	63.9460N	21.3030W	57	From 1989-08-15
Bjornoya	BJO	Norway	74.5055N	19.1883E	18	
Bjornoya	BJO1	Norway	74.5020N	18.9990E	18	From 1994-08-25
Bjuv	BJUU	Sweden	56.0740N	13.0230E	100	From 2008-08-25
Black Birch	BBW	South Island,New Zealand	41.7125S	173.8783E	250	
Blackbirch Station	BSWZ	North Island,New Zealand	41.7150S	173.8758E	293	From 2003-12-10
Blackbird State Forest	BBD	Delaware,U.S.A.	39.3461N	75.6767W	18	From 1977-01-01 to 1999-01-31
Blackburn lab bldg12	OTBB	Ontario,Canada	45.4068N	75.5548W	76	From 2002-05-23
Black Butte	BBN	New Mexico,U.S.A.	34.4078N	106.7460W	1524	From 1970-02-15 to 1971-12-18
Black Butte	YPBB	Idaho,U.S.A.	45.0288N	111.1168W	2085	
Black Butte	BLK	Montana,U.S.A.	48.8547N	115.1180W	969	From 1971-02-07 to 1976-10-04
Black Canyon	BLCC	California,U.S.A.	34.2436N	118.6731W	607	
Black Canyon North	BCHM	California,U.S.A.	36.0543N	117.7280W	1265	From 1975-09-26
Black Crater	BKCOR	Oregon,U.S.A.	44.2994N	121.6960W	1208	
Black Diamond Mines Park, Antioch	BDM	California,U.S.A.	37.9540N	121.8655W	219	From 1998-11-12
Blackfoot	J15A	Idaho,U.S.A.	43.3998N	112.4334W	1497	From 2007-08-09 to 2009-05-09
Black Forest	BFO	Baden-Wurttemberg,Germany	48.3301N	8.3296E	589	From 1974-10-01
Black Fox Mountain	LBFM	California,U.S.A.	41.3470N	121.8900W	1982	
Black Gap, Marathon	628A	Texas,U.S.A.	29.4862N	102.8885W	655	From 2008-03-05 to 2010-02-10
Black Gap (USAF), Gila Bend	114A	Arizona,U.S.A.	32.7513N	112.8830W	279	From 2008-02-05 to 2009-02-18
Black Hill	BLHA	Alaska,U.S.A.	55.7029N	162.0672W	378	From 1996-07-01
Black Hill	EBH	Scotland,United Kingdom	56.2481N	3.5081W	375	From 1969-01-01
Black Hills	RSSD	South Dakota,U.S.A.	44.1212N	104.0359W	2090	From 1981-08-10
Black Hill Station	BHHZ	North Island,New Zealand	39.4893S	176.0629E	831	From 2008-06-12
Black Mountain	BMRR	California,U.S.A.	40.1087N	120.2910W	2146	
Black Mountain	JBMM	California,U.S.A.	37.3182N	122.1530W	820	From 1975-02-24
Black Mountain	BMT*	Nevada,U.S.A.	37.2836N	116.5336W	1920	
Black Mountain	BLKC	California,U.S.A.	35.0880N	117.2190W	648	
Black Mountain	BMTN	Nevada,U.S.A.	37.2913N	116.6380W	2073	From 1983-04-15 to 2002-10-10
Black Mountain	BMUT	Utah,U.S.A.	41.9582N	111.2340W	2243	From 1979-10-01
Black Mountain	BLDC	California,U.S.A.	35.5338N	120.9067W	457	
Black Mountain, Craig	N21A	Colorado,U.S.A.	40.7600N	107.5196W	2235	From 2007-11-09
Blacknest	BKN	England,United Kingdom	51.3642N	1.1869W	107	From 1973-02-22
Black Oak	GBOM	California,U.S.A.	38.8243N	122.8430W	879	From 1975-06-20
Black Peak	BPK	Arizona,U.S.A.	34.1247N	114.2100W	504	From 1974-04-01 to 1976-11-09
Black Pine Ridge	BPMT	Montana,U.S.A.	46.4375N	113.4463W	2408	
Black Rapids	BLR	Alaska,U.S.A.	63.5017N	145.8450W	809	From 1965-03-01 to 1999-08-25
Black Ridge (BLM), Bullfrog Basin	S17A	Utah,U.S.A.	37.6354N	110.8018W	1373	From 2007-07-28 to 2009-03-13
Black River	BRJ	Jamaica	18.0333N	77.8683W	8	From 1961-11-05 to 1964-03-07
Black Rk. Forest	BRNY	New York,U.S.A.	41.4140N	74.0119W	282	
Blackrock camp	BLAC	California,U.S.A.	34.0695N	116.3890W	1243	
Black Rock Valley	BRVW	Washington,U.S.A.	46.4853N	119.9912W	920	
Blacksburg	BAV	Virginia,U.S.A.	37.2221N	80.4250W	622	From 1973-09-01 to 2004-09-30
Blacksburg	BLA	Virginia,U.S.A.	37.2113N	80.4210W	634	From 1962-09-04
Black Stump Fm	BKZ	North Island,New Zealand	39.1675S	176.4922E	729	From 2004-02-11
Blacktail Mountain	BLMT	Montana,U.S.A.	48.0108N	114.3633W	2052	
Blanchard Fire Station	MBFM	California,U.S.A.	37.6785N	120.3630W	309	From 1976-11-03
Blanco	534A	Texas,U.S.A.	30.0284N	98.4753W	461	From 2009-11-06
Blanding	BX-	Utah,U.S.A.	37.5633N	109.4347W	1707	From 1963-08-08 to 1964-03-18
Blanding	BX-UT	Utah,U.S.A.	37.5633N	109.4347W	1707	From 1963-08-08 to 1964-03-18
Blasjo	BLS	Norway	59.3900N	6.4490E	1170	From 1985-01-01 to 2003-04-05
Blasjo	BLS1	Norway	59.3910N	6.8270E	1160	From 1986-10-01 to 1991-01-10
Blasjo	BLS2	Norway	59.2940N	6.9270E	1190	From 1986-10-01 to 1991-01-10
Blasjo	BLS3	Norway	59.4250N	6.5150E	1130	From 1986-10-01 to 1991-01-10
Blasjo	BLS5	Norway	59.4229N	6.4560E	540	From 1994-06-20
Bleialf	BLI	Rheinland-Pfalz,Germany	50.2323N	6.2877E	468	
Blekinge	BLEU	Sweden	56.3040N	15.8145E	90	From 2002-11-05
Blewett	BW-	Washington,U.S.A.	47.3803N	120.6533W	884	
Blewett	BW-WA	Washington,U.S.A.	47.3803N	120.6533W	884	
Blockade Glacier	BKG	Alaska,U.S.A.	61.0702N	152.2630W	1009	From 1991-07-01
Bloemfontein	BLF	Orange Free State,South Africa	29.1089S	26.1881E	1420	
Bloom-Carroll	BCSO	Ohio,U.S.A.	39.7940N	82.6980W	256	
Bloomer Hill	OBHM	California,U.S.A.	39.6517N	121.4620W	914	From 1975-09-06
Bloomfield	BY-IO	Iowa,U.S.A.	40.7692N	92.4525W	259	
Bloomington	BLO	Indiana,U.S.A.	39.1719N	86.5222W	246	From 1961-12-01
Bloomsburg	BB-PA	Pennsylvania,U.S.A.	41.1822N	76.5519W	305	From 1962-08-16 to 1962-10-05
Bloomsburg	BB-	Pennsylvania,U.S.A.	41.1822N	76.5519W	305	From 1962-08-16 to 1962-10-05
Blossom Village, Little Cayman	LCCY	Cayman Islands	19.6676N	80.0821W	5	From 2011-01-01
Blowhard Mountain	BHU	Utah,U.S.A.	37.5925N	112.8570W	3230	
Blowhole	BHT	Tennessee,U.S.A.	35.8470N	84.9450W	826	From 1981-10-23
Blue Bank Bayou	BBTN	Tennessee,U.S.A.	36.3870N	89.4570W	88	
Blue Mountain	BLM	Alaska,U.S.A.	58.0467N	156.3370W	550	From 1975-01-01
Blue Mountain	BMT	Alaska,U.S.A.	58.0467N	156.3370W	550	From 1975-01-01
Blue Mountain Lake	BML	New York,U.S.A.	43.8680N	74.4020W	305	From 1971-09-01 to 1973-10-31
Blue Mountains Array	BMO	Oregon,U.S.A.	44.8525N	117.3060W	1154	From 1962-01-01
Bluenose Ridge	KBNM	California,U.S.A.	39.8927N	123.1940W	1363	From 1979-11-09
Blue Ridge	BLU	California,U.S.A.	34.4053N	117.7250W	1880	From 1975-02-01 to 2008-02-22

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Blue Ridge	BRDG	Arizona,U.S.A.	34.6260N	111.1760W	2057	From 1991-01-01
Blue Ridge Broadcasting Company	BRBC	North Carolina,U.S.A.	35.7390N	82.2860W	1976	From 1982-05-26 to 2008-02-13
Blue River	BLBC	British Columbia,Canada	52.0434N	119.2411W	2362	
Blue River	WGB	British Columbia,Canada	52.1023N	119.4650W	2012	From 1984-08-08 to 1986-07-31
Blum	BLMY	New York,U.S.A.	41.3297N	73.9550W	134	
Blyn Mountain	BLN	Washington,U.S.A.	48.0074N	122.9720W	585	From 1970-07-02
Blythe	Y12C	California,U.S.A.	33.7503N	114.5238W	196	From 2004-10-08
Blythe	BLYC	California,U.S.A.	33.7503N	114.5238W	196	
Boac	BOAC	Luzon,Philippines	13.4590N	121.8440E	29	
Boaco	BOA	Nicaragua	12.4818N	85.7178W	550	From 1975-01-01
Boaco	BOA1	Nicaragua	12.4872N	85.6945W	734	
BOACO BROADBAND	BOAB	Nicaragua	12.4491N	85.6663W	89	From 1995-02-02
Bobbio (Coli)	BOB	Italy	44.7669N	9.4478E	910	
Bob Jauregui Ranch	ABJM	California,U.S.A.	39.1653N	121.1910W	457	From 1976-07-27
Bob Quinn Lake	BQB	British Columbia,Canada	57.0227N	130.2400W	1310	From 1981-10-09
Bobrof	AK4	Alaska,U.S.A.	51.8230N	177.4450W	8	
Boca de Chavon	ROBI	Dominican Republic	18.4100N	68.8400W	0	
Bocca Nuova	EBCN	Sicily,Italy	37.7521N	14.9858E	3135	From 2009-10-09
Bochum	NE36	Nordrhein-Westfalen,Germany	51.4419N	7.2703E	85	
Bochum	BOC	Nordrhein-Westfalen,Germany	51.4894N	7.2139E	64	From 1907-01-01
Bochum--University	BUG	Nordrhein-Westfalen,Germany	51.4406N	7.2693E	85	From 1971-10-01
Bocsa	PKS6	Hungary	46.5998N	19.5645E	120	
Bodaibo	BOD	Irkutskaya Oblast',Russia	57.8189N	114.0039E	245	
Bodega del ICE en Pailas	GPS3	Costa Rica	10.7547N	85.3650W	639	From 2000-01-01
Bodie	BODR	California,U.S.A.	38.1628N	118.9702W	2195	
Bodon	BDN	Buryatiya,Russia	53.9000N	110.1000E	1000	
Bodrum	BODT	Turkey	37.0621N	27.3104E	379	From 2005-02-14
Boeing Everett	BEVT	Washington,U.S.A.	47.9200N	122.2700W	170	
Boeing Fire Protection	BSFP	Washington,U.S.A.	47.5200N	122.2983W	5	From 2004-07-07
Boeun	KSBON	South Korea	36.5000N	127.8000E	332	From 2005-11-02
Bogazkoy	BGKT	Turkey	41.1810N	28.7730E	80	From 2002-01-01
Bogdanovka	BGD	Georgia	41.2645N	43.5986E	1978	From 1954-01-01
Boggs Mountain	GBGM	California,U.S.A.	38.8140N	122.6790W	1125	From 1975-06-26
Boggy Peak	BPA	Antigua,Antigua and Barbuda	17.0460N	61.8570W	396	From 1980-07-09
Bogi-Zagon	BZN	Tajikistan	38.4800N	69.8200E		
Bogner Ranch, Nez Perce	E11A	Idaho,U.S.A.	46.3559N	116.2092W	831	From 2006-11-13 to 2008-06-06
Bogoin	BGCA	Central African Republic	5.1761N	18.4242E	576	
Bogong Mts	BOV	Victoria,Australia	36.8078S	147.2270E	700	From 1963-01-01 to 1972-08-09
Bogota	BOCO	Colombia	4.5869N	74.0433W	3137	From 1977-12-01
Bogota	BOG	Colombia	4.6231N	74.0650W	2658	From 1941-09-01
Bohocortia	BOH	Aquitaine,France	43.1027N	1.0117W	1150	
Bohunice	BHC	Czech Republic	48.5786N	17.5289E	0	
Boiestown	BOIN	New Brunswick,Canada	46.4628N	66.4067W	86	From 2007-06-26
Boischatel	BCLQ	Quebec,Canada	46.9262N	71.1728W	180	From 2007-11-02
Bois d'Agland	BGF	Auvergne,France	46.5578N	2.8464E	390	
Boise	BSE	Idaho,U.S.A.	43.6500N	116.0920W		From 1975-05-01
Boisen	BOI	New Britain,Papua New Guinea	4.1878S	152.1990E	18	
Bois Riant Capesterre	BCG	Guadeloupe	16.0850N	61.6197W	442	
Boistfort Mountain	BMW	Washington,U.S.A.	46.4750N	123.2280W	870	
Bojanci	BOJS	Slovenia	45.5040N	15.2520E	256	From 2004-03-01
Bojnu@18rd	BJRD	Iran,Iran	37.7000N	57.4080E	1337	
Bojnurd	BJMA	Iran	37.9000N	55.9500E	0	
Bokaro	BOK	Bihar,India	23.7948N	85.8858E	282	
Bokaro	BOKR	Bihar,India	23.7948N	85.8859E	282	
Bokosso	BKO	Cameroon	4.4181N	9.1411E	380	From 1985-02-13
Bolinao	BOLP	Luzon,Philippines	16.3810N	119.9130E	71	
Bolinger Road	BGC	California,U.S.A.	37.8162N	122.0620W	610	From 1969-08-23
Bolinger Road	LT16	California,U.S.A.	37.8162N	122.0620W	610	From 1969-08-23
Bolinger Road	CBRM	California,U.S.A.	37.8162N	122.0620W	610	From 1969-08-23
Boljevac	BOLS	Serbia	43.8289N	21.9532E	267	From 2002-06-21
Bologna	BOL	Italy	44.4867N	11.3290E	80	
Bol'shaya Rechka	BLRR	Krasnoyarskiy Kray,Russia	53.0383N	92.4282E	558	From 2005-02-23
Bolvadin	BOLV	Turkey	38.7183N	30.9502E	1303	From 2007-05-30
Bolzano	BLZ	Italy	46.5049N	11.3468E	280	From 1971-05-06
Bombay	BOM	Maharashtra,India	18.8958N	72.8127E	6	
Bomdila	BMI	Arunachal Pradesh,India	27.2675N	92.4230E	2700	From 1983-07-01
Bomnak	BMKR	Amurskaya Oblast',Russia	54.7110N	128.8420E	342	
Bom Sucesso	BSCB	Minas Gerais,Brazil	20.9977S	44.7737W	870	
Bomura	BHOK	Shiga,Japan	35.2447N	135.8728E	380	
Bonanza	DCA1	Alberta,Canada	56.0317N	119.9319W	485	
Bonanza King	LBKM	California,U.S.A.	41.0842N	122.6650W	1341	
Bonds Corner	BON	California,U.S.A.	32.6945N	115.2690W	14	From 1973-04-16 to 2008-02-22
Bone	J16A	Idaho,U.S.A.	43.2741N	111.6119W	2004	From 2007-07-25 to 2009-05-10
Bone	BNSI	Sulawesi,Indonesia	4.4005S	120.1065E	0	From 2007-12-01
BONGHWA	KSCHY	South Korea	36.9378N	128.9167E	321	From 2000-11-22
Bonilla	BNAB	British Columbia,Canada	53.4933N	130.6370W	16	From 1987-12-04
Bonnechere River Park	BRPO	Ontario,Canada	45.6506N	77.5061W	170	
Bonneval	BOF	Rhone-Alpes,France	45.3540N	7.0300E	1800	From 1981-07-01
Bonny Gate	BNJ	Jamaica	18.3210N	76.9510W	485	
Bonnylands	HBL2	England,United Kingdom	52.0508N	3.0384W	400	From 1991-01-01
Book Cliffs East	BCE	Utah,U.S.A.	39.6131N	110.4084W	2666	
Boondooma	BOON	Queensland,Australia	26.0951S	151.4521E	370	
Boondooma Dam	BDMQ	Queensland,Australia	26.1123S	151.4440E	320	
Boorowa	BWA	New South Wales,Australia	34.4250S	148.4180E	656	From 1971-01-01
Boqueron	BOQS	El Salvador	13.7350N	89.2800W	1830	From 1991-12-01
Boquillas Ranch, Navajo N., Peach Springs	V14A	Arizona,U.S.A.	35.6339N	113.1053W	1731	From 2007-03-09 to 2008-11-07
Boraas	BORU	Sweden	57.6345N	12.7697E	175	From 2006-08-04
Boracho Peak	MT1	Texas,U.S.A.	30.9289N	104.3910W	1714	From 1977-06-01 to 2003-01-28
Borbona	RM20	Italy	42.5249N	13.1264E	804	From 2009-04-09 to 2009-08-26
Borcka	BCA	Turkey	41.4450N	41.6223E	500	
Borcka	DBOC	Turkey	41.3453N	41.6666E	615	From 2007-09-24
Bordano	BOO	Italy	46.3200N	13.1000E	444	From 1977-05-09
Bordano	BORI	Italy	46.3200N	13.1000E	444	From 1977-05-09
Bordesti	BRD	Romania	45.5536N	27.0288E	356	
Borgarnes	BORG	Iceland	64.7474N	21.3268W	110	From 1994-07-31
Borgo	BL1	Italy	43.9802N	11.4342E		From 1977-11-01
Borgo	BSL	Italy	43.9802N	11.4342E		From 1977-11-01
Borgo San Lorenzo	BOSL	Italy	43.9400N	11.3800E	374	From 2007-02-02
Borgo Val di Taro	BVT	Italy	44.4864N	9.7750E	0	From 1975-09-01 to 1991-12-31
Borinquen Arriba	GB1A	Costa Rica	10.8185N	85.3983W	881	From 2000-01-01
Borland Lodge	BRZ	South Island,New Zealand	45.7792S	167.5390E	190	From 1979-08-22 to 1990-08-02
Bormio	BRMO	Italy	46.4761N	10.3731E	1380	
Bornholm Skovbrynet	BSD	Denmark	55.1139N	14.9147E	88	From 1990-03-01
Bornova	KDAG	Turkey	38.4028N	27.2667E	997	From 1999-07-01
Borongan	BESP	Samar,Philippines	11.6010N	125.4380E	48	
Borovoye	BRVK	Kazakhstan	53.0581N	70.2828E	315	From 1994-09-01
Borovoye Array Beam Reference Point	BVAR	Kazakhstan	53.0249N	70.3885E	420	From 2002-07-06
Borovoye Array Site A0	BVA0	Kazakhstan	53.0249N	70.3885E	420	From 2002-07-06
Borovoye Array Site A1	BVA1	Kazakhstan	53.0249N	70.3886E	420	From 2002-07-06
Borovoye Array Site A2	BVA2	Kazakhstan	53.0189N	70.3912E	434	From 2002-07-06
Borovoye Array Site A3	BVA3	Kazakhstan	53.0268N	70.3785E	437	From 2002-07-06
Borovoye Array Site A4	BVA4	Kazakhstan	53.0290N	70.3963E	405	From 2002-07-06
Borovoye Array Site B5	BVB5	Kazakhstan	53.0247N	70.3662E	387	From 2002-07-06
Borovoye Array Site B6	BVB6	Kazakhstan	53.0361N	70.3762E	401	From 2002-07-06
Borovoye Array Site B7	BVB7	Kazakhstan	53.0379N	70.3950E	435	From 2002-07-06
Borovoye Array Site B8	BVB8	Kazakhstan	53.0216N	70.4108E	419	From 2002-07-06
Borovoye Array Site B9	BVB9	Kazakhstan	53.0123N	70.3857E	512	From 2002-07-06
Borrego Mountain	BRGC	California,U.S.A.	33.1712N	116.1740W	219	
Borrego Springs	BORC	California,U.S.A.	33.2682N	116.4172W	252	
Borschemich	BD11	Nordrhein-Westfalen,Germany	51.0823N	6.4302E	100	From 2001-01-01
Borseda	BORS	Italy	44.2450N	9.8258E	510	From 1991-01-01 to 1999-08-25
Boryeong	KSPOR	South Korea	36.3212N	126.5557E	15	From 2000-02-18
Borzhomi	BOR	Georgia	41.8333N	43.3833E	794	
Boshof	BOSA	South Africa	28.6137S	25.2560E	1200	From 1993-01-01
BOSHOF INFRASONIC ARRAY REFERENCE POINT	I47ZA	Orange Free State	28.6211S	25.2352E	1306	From 2005-11-08
Bosilegrad	BOSS	Serbia	42.4961N	22.4800E	446	From 2010-08-04
Boslevi	BGLV	Georgia	42.1740N	43.1828E	1046	From 2007-10-19
Bosley Butte	KBO	Oregon,U.S.A.	42.2123N	124.2260W	1008	
Boso 1	BSO1	Honshu,Japan	34.6535N	140.9780E	-4011	From 1988-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Boso 2	BSO2	Honshu,Japan	34.7513N	140.7545E	-2090	From 1988-01-01
Boso 3	BSO3	Honshu,Japan	34.8017N	140.5103E	-1898	From 1988-01-01
Boso 4	BSO4	Honshu,Japan	34.9900N	140.3380E	-658	From 1988-01-01
Bosque Alegre	BOS	Cordoba,Argentina	31.5983S	64.5458W	1200	
Bostanabad	IBST	Iran	37.7000N	46.8920E	2100	From 1995-08-01
Boston College	BCX	Massachusetts,U.S.A.	42.3350N	71.1705W	61	
Bothel	BBO1	Scotland,United Kingdom	54.7367N	3.2464W	209	From 1992-01-01
Botiquin	BOTV	Venezuela	10.4037N	67.2167W	2375	From 2004-04-04
Botkins High School	BHSO	Ohio,U.S.A.	40.4690N	84.1790W	304	
Botlikh	BTLR	Dagestan,Russia	42.6639N	46.2222E	870	
Botticino	BOTT	Italy	45.5494N	10.3095E	200	From 2009-10-27
Bou Andas	CBND	Algeria	36.5275N	5.1255E	1575	
Bouganvilia	BVG	Guatemala	14.1080N	90.9397W	45	From 1978-06-01 to 1987-11-09
Bougnies	BBOU	Belgium	50.3888N	3.9447E	80	From 1985-03-29
Bouhanifia	ODJA	Algeria	35.3300N	0.1500W	645	From 2004-04-01
Boujaaouane	BOJ	Morocco	32.0310N	9.0680W	300	
Boulbra	BBA	Morocco	31.9120N	9.4710W		
Boulder	BDC	Colorado,U.S.A.	40.0050N	105.1581W	1625	
Boulder	BDW	Wyoming,U.S.A.	42.7762N	109.5680W	2190	From 1977-06-20 to 1986-07-01
Boulder	BOU	Colorado,U.S.A.	40.0083N	105.2710W	1654	From 1953-12-01 to 1968-12-31
Boulder	BO1	Colorado,U.S.A.	40.0128N	105.2520W	1669	
Boulder Array	PD06	Wyoming,U.S.A.	42.7667N	109.5580W	2224	From 1986-07-18
Boulder Array Site 6	BW06	Wyoming,U.S.A.	42.7667N	109.5583W	2224	From 1986-07-18
Boulder City	BCN	Nevada,U.S.A.	35.9808N	114.8340W	776	From 1938-02-01 to 1975-06-30
Boulder Dam	BDA	Arizona,U.S.A.	36.0154N	114.7370W	237	From 1941-04-01 to 1961-12-31
Boulder Hill, Kettleman City	V05C	California,U.S.A.	35.8667N	119.9028W	118	From 2005-04-11 to 2007-12-07
Boumerdes	ABMS	Algeria	36.7500N	3.4800E	97	From 2004-05-01
Boundary Peak	BNPN	Nevada,U.S.A.	37.9885N	118.3020W	2438	
Boundary Peak	BONR	Nevada,U.S.A.	37.9552N	118.3020W	2582	From 1974-07-01
Bountiful Peak	BPU	Utah,U.S.A.	40.9542N	111.8170W	2652	From 1974-10-01 to 1975-03-31
Bourheim	BD12	Nordrhein-Westfalen,Germany	50.9020N	6.3220E	-77	From 2004-08-01
Bourrignon	BOURR	Switzerland	47.3938N	7.2302E	860	From 1998-09-01
Bovan	BOVS	Serbia	43.6351N	21.7057E	223	From 2009-11-03
Bowen Island	BIB	British Columbia,Canada	49.4060N	123.3060W	37	From 1983-01-20
Bowen Ranch, Douglas	K23A	Wyoming,U.S.A.	42.7546N	105.6251W	1612	From 2008-11-17
Bowe Ranch, Endee	W27A	New Mexico,U.S.A.	35.0637N	103.0627W	1233	From 2008-05-09
Bowland	LBO	England,United Kingdom	53.9789N	2.5728W	320	From 1989-01-01
Bowling Green	BGKY	Kentucky,U.S.A.	37.0055N	86.5232W	240	
Bowling Green	BGO	Ohio,U.S.A.	41.3781N	83.6592W	212	From 1963-09-01
Bowling Green State University	BGSO	Ohio,U.S.A.	41.3812N	83.6404W	208	
Bowman	BOW	South Carolina,U.S.A.	33.3736N	80.6431W	35	From 1977-10-23
Bowman	F25A	South Dakota,U.S.A.	45.9256N	103.4576W	912	From 2009-07-11
Bowman Hall	BHKY	Kentucky,U.S.A.	38.0350N	84.5050W	306	
Box Canyon	BOX	Nevada,U.S.A.	39.6153N	118.1763W	1283	
Box Lake	BOXN	Northwest Territories,Canada	63.8521N	109.7169W	436	
Boyabat	BOYT	Turkey	41.4206N	34.9036E	660	From 1994-05-01
Boyabat	BYBT	Turkey	41.4685N	34.7667E	85	From 1996-10-10
Boyalica	BOY	Turkey	40.4867N	29.5573E	30	From 1994-01-01
Boyer Ranch	BYX	Nevada,U.S.A.	39.9542N	117.9178W	1128	
Bozab	IBZA	Iran	34.4696N	47.8605E	2343	From 2004-01-01
Bozcaada	BOZC	Turkey	39.8419N	26.0528E	202	From 2003-10-16
Bozcaada-Canakkale	BOZD	Turkey	39.8314N	26.0705E	39	From 2011-03-27
Bozeman	BZE	Montana,U.S.A.	45.8060N	110.9330W	244	From 1974-01-01 to 1977-05-31
Bozeman	BZM	Montana,U.S.A.	45.6669N	111.0450W	1490	From 1931-05-01 to 1968-03-31
Bozeman Pass	BZMT	Montana,U.S.A.	45.6482N	110.7967W	1905	
Bozeman (W)	BOZ	Montana,U.S.A.	45.6470N	111.6296W	1589	From 1999-11-13
Bozen	BOSI	Italy	46.4952N	11.3185E	242	From 2006-12-13
Bozkurt	BZK	Turkey	41.9600N	34.0035E	70	From 1992-07-01
Bozova	ATAB	Turkey	37.4696N	38.2949E	551	From 2005-06-24
BOZOYUK	AUBOZ	Turkey	39.9106N	30.0325E	825	From 2010-01-27
Brabster	OBR	Scotland,United Kingdom	58.6142N	3.1623W	89	From 1995-09-21
Bracie Corner	BRCN	New York,U.S.A.	44.4275N	75.5830W	83	
Bradely Ranch, Valier	B15A	Montana,U.S.A.	48.3129N	112.5619W	1222	From 2007-09-11 to 2009-08-14
Bradley Lake	BRLK	Alaska,U.S.A.	59.7642N	150.8860W	631	From 1980-11-28
Bradley Lake NE	BRNE	Alaska,U.S.A.	59.9108N	150.6520W	1219	From 1980-10-12 to 1984-06-29
Bradley Lake NW	BRNW	Alaska,U.S.A.	59.8375N	151.1690W	582	From 1980-10-03 to 1984-06-29
Bradley Lake SE	BRSE	Alaska,U.S.A.	59.7055N	150.6710W	975	From 1980-10-10
Bradley Lake SW	BRSW	Alaska,U.S.A.	59.6410N	151.0450W	951	From 1980-10-12 to 1984-06-29
Braganca	PBRG	Portugal	41.8048N	6.7413W	691	From 1995-06-01
Braggadocio	BRGM	Missouri,U.S.A.	36.2047N	89.8585W	78	
Braida Crags	BCZ	South Island,New Zealand	46.0067S	167.8400E	120	From 1990-05-27
Brajici-Budva	BUM	Montenegro	42.3007N	18.8936E	822	From 2003-06-02
Branch Mountain	BCH	California,U.S.A.	35.1850N	120.0840W	1140	From 1976-08-01
Brandywine Creek State Park	BWD	Delaware,U.S.A.	39.7994N	75.5767W	62	From 1985-02-01
Brankovina	VVOS	Serbia	44.3518N	19.9047E	0	
Brasilia	BDFB	Distrito Federal,Brazil	15.6412S	48.0141W	1095	From 1993-06-01
Brasilia	BAE	Distrito Federal,Brazil	15.8411S	47.8200W	1200	From 1968-01-03 to 1970-12-21
Brasilia Array	BCS*	Distrito Federal,Brazil	15.7660S	48.0388W	1255	From 1966-11-17 to 1970-12-21
Brasilia Array Centre Point	BAO	Distrito Federal,Brazil	15.6349S	47.9915W	1211	
Brasilia Array Site E1	BAE1	Distrito Federal,Brazil	15.6426S	47.9689W	1170	
Brasilia Array Site E2	BAE2	Distrito Federal,Brazil	15.6501S	47.9469W	1110	
Brasilia Array Site E3	BAE3	Distrito Federal,Brazil	15.6569S	47.9261W	1150	
Brasilia Array Site E4	BAE4	Distrito Federal,Brazil	15.6642S	47.9031W	1258	
Brasilia Array Site E5	BAE5	Distrito Federal,Brazil	15.6725S	47.8809W	1260	
Brasilia Array Site EE	BAEE	Distrito Federal,Brazil	15.7386S	47.6200W	1200	From 1971-01-01
Brasilia Array Site S1	BAS1	Distrito Federal,Brazil	15.6561S	47.9997W	1145	
Brasilia Array Site S2	BAS2	Distrito Federal,Brazil	15.6779S	48.0070W	1060	
Brasilia Array Site S3	BAS3	Distrito Federal,Brazil	15.6986S	48.0146W	1120	
Brasilia Array Site S4	BAS4	Distrito Federal,Brazil	15.7191S	48.0223W	1140	
Brasilia Array Site S5	BAS5	Distrito Federal,Brazil	15.7420S	48.0304W	1150	
Brasilia Array Site SE	BASE	Distrito Federal,Brazil	15.9572S	48.0706W	1200	From 1971-01-01
Brasilia Array Site W1	BAW1	Distrito Federal,Brazil	15.6282S	48.0129W	1150	
Brasilia Array Site W2	BAW2	Distrito Federal,Brazil	15.6214S	48.0186W	1200	
Brasilia Array Site W3	BAW3	Distrito Federal,Brazil	15.6126S	48.0575W	1265	
Brasilia Array Site W4	BAW4	Distrito Federal,Brazil	15.6053S	48.0794W	1200	From 1971-01-01
Brasilia Array Site WE	BAWE	Distrito Federal,Brazil	15.5909S	48.1139W	1340	From 1971-01-01
BRASILIA INFRASONIC ARRAY REFERENCE POINT	BBR	Distrito Federal	15.6380S	48.0164W	1185	From 2001-06-20
Brasilia (W)	BDF	Distrito Federal,Brazil	15.6638S	47.9033W	1260	From 1970-12-22
Brasopolis	BRAS	Minas Gerais,Brazil	22.5353S	45.5854W	1850	From 1986-03-12
Brasstown Bald	BBG	Georgia,U.S.A.	34.8740N	83.8110W	1355	From 1982-01-27 to 2008-02-13
Bratislava	BRA	Slovakia	48.1683N	17.1050E	270	
Bratislava	ZST	Slovakia	48.1961N	17.1025E	250	From 1976-07-01
Bratogost	BRY	Montenegro	42.9016N	18.5389E	1407	From 1983-12-25
Braunhartsberg	BHBD	Baden-Wurttemberg,Germany	48.2474N	9.0042E	933	From 1982-01-01
Brava--Cachaco	BCCH	Cape Verde Islands	14.8322N	24.6936W	660	
Breckenridge Mountain	WBMM	California,U.S.A.	35.4510N	118.5830W	2292	
Bredaryd	BYD	Sweden	57.0590N	13.1630E	152	From 1980-01-01 to 1991-12-31
Bredtraesk	BREU	Sweden	63.8908N	18.5777E	100	From 2000-04-28
Breislack	LKG	Guadeloupe	16.0447N	61.6583W	1380	
Bremgarten	BREM	Baden-Wurttemberg,Germany	47.9111N	7.6274E	210	From 2001-01-24
Bremner River	BMRM	Alaska,U.S.A.	60.9682N	144.6030W	823	From 1979-09-12
Brentwood	TBW	England,United Kingdom	51.6549N	0.2911E	82	From 1989-01-01
Bressanone	BRES	Italy	46.6987N	11.7341E	2454	From 2002-05-01
Brest	BST	Bretagne,France	48.3020N	4.0627W	288	From 1983-03-01
Brest	NE54	Belarus	52.5680N	23.8610E	200	
Brettingsstaoir	IBRE	Iceland	66.1230N	17.9100W	41	From 2001-01-25
Brewton	BO-	Alabama,U.S.A.	31.1697N	86.8597W	76	From 1965-12-02 to 1965-12-13
Brewton	BO-AL	Alabama,U.S.A.	31.1697N	86.8597W	76	From 1965-12-02 to 1965-12-13
Brewton	BRAL	Alabama,U.S.A.	31.0114N	87.0568W	61	
Brezje pri Sen	KBZS	Slovenia	45.9400N	15.4390E	217	
Brgy, Tapao	SIPP	Philippines	17.9230N	120.4580E	56	From 2006-10-01
Briangon	OG15	Provence-Cote d'Azur,France	44.9113N	6.6487E	1985	From 1993-01-20
Bricherasio	BHB	Italy	44.8417N	7.2633E	530	From 1990-05-17 to 2009-09-30
Brid	BRIU	Ukraine	48.3380N	23.0203E	167	From 2005-05-26
Bridge Bay	YPBR	Wyoming,U.S.A.	44.5367N	110.4395W	2383	
Bridge Creek, Tuttle	W34A	Oklahoma,U.S.A.	35.2352N	97.7733W	428	From 2009-10-26
Bridgeport	BPT	Connecticut,U.S.A.	41.2221N	73.2422W	83	From 1972-01-07 to 1977-06-10
Bridger	G20A	Montana,U.S.A.	45.2202N	108.2141W	1431	From 2008-08-14
Brienza	BRIE	Italy	40.4966N	15.6153E	980	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Brig	BRI	Switzerland	46.3153N	7.9956E	708	
Brigand Hill	TBH	Trinidad and Tobago	10.4840N	61.0670W	199	From 1978-04-11
Brigerbad	BIBA	Switzerland	46.3025N	7.9304E	660	From 2009-10-01
Brigham City	BCUT	Utah,U.S.A.	41.5123N	111.9822W	1676	
Brigham Young University	BYU	Utah,U.S.A.	40.2531N	111.6491W	1420	
Brimhall	V20A	New Mexico,U.S.A.	35.7992N	108.4662W	1889	From 2008-02-16 to 2010-02-07
Brimstone Hill	BSK	St Kitts,Saint Kitts and Nevis	17.3470N	62.8400W	125	From 1980-07-09
Brinkman Farms, Chinook	B19A	Montana,U.S.A.	48.4551N	108.9443W	803	From 2008-09-03 to 2010-07-18
Brinnon	C04A	Washington,U.S.A.	47.7172N	122.9718W	53	From 2005-10-22 to 2008-02-18
Brione	BIE	Italy	45.8828N	10.8739E	360	From 1981-06-15
Briones	BRIB	California,U.S.A.	37.9189N	122.1518W	219	
Brisbane	SBRN	California,U.S.A.	37.6856N	122.4113W	-157	
Brisbane	BRS	Queensland,Australia	27.3917S	152.7750E	525	From 1963-01-01
Brisbane	BRSB	Australia	27.4781S	153.0311E	15	From 1937-09-01 to 1963-12-31
Brisbane 2 Soft	BN2S	Queensland,Australia	27.3293S	153.0477E	8	From 2009-01-01
Brisbane hardrock	BR1	Queensland,Australia	27.4306S	153.0237E	100	
Brisbane softrock	BR2	Queensland,Australia	27.4314S	153.0693E	100	
BRISIGHELLA	BRIS	Italy	44.1499N	11.5107E	260	From 2010-05-26
Brite Ranch	MT4	Texas,U.S.A.	30.2731N	104.5700W	1469	From 1977-06-01 to 2003-01-28
Broad Law	EBL	Scotland,United Kingdom	55.7733N	3.0436W	365	From 1969-01-01
Broad Pass	BDP	Alaska,U.S.A.	63.2312N	149.2590W	709	From 1971-08-01 to 1976-09-30
Brockman Farm, Red Cloud	O32A	Nebraska,U.S.A.	40.2610N	98.2764W	579	From 2009-09-14
Brocks Farm	BSCP	California,U.S.A.	32.7248N	115.0440W	43	
Brockton	B23A	Montana,U.S.A.	48.4643N	104.9909W	716	From 2008-09-17 to 2010-07-15
Brognaturo	ME04	Italy	38.5928N	16.3576E	907	From 2007-10-21 to 2008-06-29
Brojen	IBRJ	Iran	31.9080N	51.2600E	2354	From 1985-01-01
Broken Hill	BHA	Zambia	14.4467S	28.4683E	1206	
Bromley	BRUT	Utah,U.S.A.	40.6230N	111.8790W	1337	From 1990-08-22
Bronaber	WBR	Wales,United Kingdom	52.8560N	3.8941W	340	From 1985-01-01
Bronson	340A	Texas,U.S.A.	31.4167N	93.8896W	57	From 2010-02-19
Bronte	231A	Texas,U.S.A.	31.9353N	100.3163W	574	From 2009-03-01
Brookfield	BCT	Connecticut,U.S.A.	41.4933N	73.3839W	69	From 1975-06-10 to 1999-01-31
Brookside Elementary School	BRKS	Washington,U.S.A.	47.7555N	122.2884W	100	
Brooks Peninsula	BPBC	British Columbia,Canada	50.1572N	127.7710W	732	From 1991-10-01
Brookwood Res.	CBWM	California,U.S.A.	37.9242N	122.1070W	221	From 1971-04-28
Brookwood Reservoir	BKC	California,U.S.A.	37.9242N	122.1070W	221	From 1971-04-28
Brophy Road	ABRM	California,U.S.A.	39.1352N	121.4870W	24	From 1977-02-14
Browne	BWN	Alaska,U.S.A.	64.1717N	149.4650W	365	From 1989-09-19
Brownlee Dam	BDID	Idaho,U.S.A.	44.7983N	116.8850W	1400	From 1990-07-01
Brown Mountain	BRTN	Tennessee,U.S.A.	36.3567N	82.8678W	630	From 1986-06-05
Brown Peak	BRPK	Alaska,U.S.A.	54.6455N	163.7408W	393	
Brown Place, Jackson	J17A	Wyoming,U.S.A.	43.3629N	110.7118W	1975	From 2007-10-25 to 2009-05-16
Bruarjokull	IBRU	Iceland	64.8290N	16.0880W	746	From 2004-12-29
Bruce Peninsula	BRCO	Ontario,Canada	44.2437N	81.4423W	273	
Bruguera	BRUG	Spain	42.2830N	2.1860E	1300	
Bruguera	CBRU	Spain	42.2855N	2.1801E	1327	
Brunswick	BRWK	Victoria,Australia	37.7608S	144.9493E	9	From 2008-09-20
Brunts Corner	BTCC	California,U.S.A.	33.0121N	115.2199W	39	
Bruntsheil	BBH	Scotland,United Kingdom	55.1333N	2.9299W	216	
Bruslee	BSLQ	Queensland,Australia	20.8670S	146.5640E	185	From 1984-03-02
Bryant	B05A	Washington,U.S.A.	48.2641N	122.0960W	154	From 2005-11-30 to 2008-02-20
Bryant College	BRYW	Connecticut,U.S.A.	41.9178N	71.5388W	380	
Bryant Ranch, Stanton	229A	Texas,U.S.A.	31.9671N	101.8107W	804	From 2009-02-09
Bryn Du	SBD1	Wales,United Kingdom	52.9055N	3.2585W	489	From 1980-01-01
Bryson	PBYM	California,U.S.A.	35.8150N	121.0820W	335	
Bsor	BSO	Israel	31.2670N	34.4850E	140	From 1983-01-01 to 1991-12-31
Bua	MBU	Fiji	16.9728S	178.7217E	549	From 1981-11-01
Buan	KSPUA	South Korea	35.7226N	126.7178E	11	From 2000-02-13
Buaraba 3	WBAQ	Queensland,Australia	27.3527S	152.3082E		From 1984-07-06
Bucak	BCK	Turkey	37.4608N	30.5890E	860	From 1973-05-18
Bucaramanga	BCR	Colombia	7.0194N	73.1764W	750	From 1972-10-01 to 1980-12-31
Bucaramanga	BMG	Colombia	7.0717N	73.0753W	1000	
Buchan	BUCN	Victoria,Australia	37.5287S	148.0976E	250	
Buchan	BUV	Victoria,Australia	37.4983S	148.1680E	100	From 1964-01-01 to 1966-12-31
Buchanan	BIPS	New York,U.S.A.	41.2678N	73.9473W	24	
Buchanan	D30A	North Dakota,U.S.A.	47.1082N	98.7576W	465	From 2009-08-07
Bucharest	BUC2	Romania	44.3479N	26.0281E	77	From 1977-04-01
Bucharest	BUC	Romania	44.4136N	26.0967E	82	
Bucharest	BUC1	Romania	44.3479N	26.0281E	77	From 1977-04-01
Bucharest-Childs Park	BAPR	Romania	44.4059N	26.1190E	103	From 2003-11-06
Bucharest-Geological Museum	BGMR	Romania	44.4553N	26.0851E	123	From 1997-11-13
Bucharest-Geotec Company	BTMR	Romania	44.4370N	26.1067E	140	From 2001-01-10
Bucharest-INCERC-borehole	BBIR	Romania	44.4411N	26.1618E	-88	From 2002-10-29 to 2008-11-28
Bucharest-INCERC-Test Bldg	RBAR	Romania	44.4409N	26.1624E	115	From 2004-05-10 to 2008-11-28
Bucharest-Old Court	BVCR	Romania	44.4301N	26.1017E	112	From 2001-01-17
Bucharest-Scientist's House	BSTR	Romania	44.4457N	26.0984E	125	From 2000-10-31
Bucharest-Stefan cel Mare Str.	BLHR	Romania	44.4525N	26.1122E	149	From 2001-05-08
Buchberg	BUB	Switzerland	47.7490N	8.6030E	740	From 1971-12-01 to 1980-11-10
Buchserberg Malbun	SBUB	Switzerland	47.1459N	9.4342E	1371	From 2010-08-25
Buckhannon	BZ-	West Virginia,U.S.A.	38.7983N	80.3494W	457	
Buckhannon	BZ-WV	West Virginia,U.S.A.	38.7983N	80.3494W	457	
Buckingham	BU-	Quebec,Canada	45.7675N	75.5403W	183	From 1962-07-24 to 1962-10-05
Buckingham	BU-QB	Quebec,Canada	45.7675N	75.5403W	183	From 1962-07-24 to 1962-10-05
Buck Lake	BUKO	Ontario,Canada	45.4423N	79.3989W	317	
Buckleboo	BBOO	South Australia,Australia	32.8102S	136.0588E	321	From 1995-12-08
Bucklebury West	BUW	England,United Kingdom	51.4094N	1.2244W	125	
Buck Mountain	BUCK	Oregon,U.S.A.	44.1973N	122.9862W	964	
Buckrabanyule	BUCM	Victoria,Australia	36.2384S	143.4981E	200	
Bucksport	BPM	Maine,U.S.A.	44.6317N	68.7893W	80	
Buco	VBU	Luzon,Philippines	14.0870N	120.9870E		
Bucovina Array	BURAR	Romania	47.6148N	25.2168E	1150	
Bucovina Ar. Site	BUR04	Romania	47.6182N	25.2122E	1160	
Bucovina Ar. Site	BUR09	Romania	47.6164N	25.1902E	1253	
Bucovina Ar. Site	BUR07	Romania	47.6426N	25.2324E	1230	
Bucovina Ar. Site	BUR06	Romania	47.6169N	25.2444E	1211	
Bucovina Ar. Site	BUR02	Romania	47.6187N	25.2209E	1142	
Bucovina Ar. Site	BUR03	Romania	47.6085N	25.2178E	1202	
Bucovina Ar. Site	BUR05	Romania	47.6326N	25.2175E	1182	
Bucovina Ar. Site	BUR08	Romania	47.6440N	25.2002E	1214	
Bucovina Ar. Site	BUR01	Romania	47.6147N	25.2167E	1149	
Bucures@17ti--IRSA	BUCF	Romania	44.5018N	26.1416E	83	
BUCURESTI	SGEB	Romania	44.3812N	26.1369E	80	From 2008-10-29
Bucuresti-Nicolae Titulescu	DTIR	Romania	44.4527N	26.0717E	91	From 2008-11-20
Budapest	BUD	Hungary	47.4836N	19.0239E	196	
Budderoo	BUDM	New South Wales,Australia	34.6763S	150.6707E	604	
Budock Water	CBW1	England,United Kingdom	50.1482N	5.1144W	94	From 1981-01-01
Budoia	BDO	D'Entrecasteaux Islands,Papua New Guinea	9.6789S	150.8490E	1	From 1969-07-23 to 1969-07-28
Budva	BDV	Montenegro	42.2834N	18.8279E	385	From 1983-12-25 to 2003-06-02
Buenavista	BUE	Veracruz,Mexico	19.4380N	96.5590W	200	
Buena Vista	BUEV	Costa Rica	10.7982N	85.4070W	807	From 2000-01-01
Buena Vista	BUS	Costa Rica	9.5553N	83.7583W	3487	
Buena Vista	BVA	Guatemala	14.6667N	90.6373W	2262	From 1973-03-01
Buenos Aires	BUAY	Trinidad and Tobago	10.1072N	61.6862W		
Buenos Aires	BAA	Buenos Aires,Argentina	34.5917S	58.4833W	25	
Buffalo	BUF	New York,U.S.A.	42.9255N	78.8528W	195	From 1912-01-01
Buffalo Canyon	BFC	Nevada,U.S.A.	38.8940N	119.6080W	1734	From 1978-01-01
Buffalo-Larkin	BFF	New York,U.S.A.	42.8475N	78.6442W	230	From 1951-03-01 to 1999-08-25
Buffalo Meadows, Empire	N06A	Nevada,U.S.A.	40.7484N	119.8346W	1341	From 2006-07-12 to 2008-04-14
Buffelsbos	BUFB	Cape Province,South Africa	34.1510S	24.7420E	109	From 2008-09-24
Buffelsfontein	BFS	Transvaal,South Africa	26.8983S	26.7850E	1310	From 1983-01-01 to 2000-09-01
Buffelsfontein	BFSD	Transvaal,South Africa	26.8650S	26.7860E	1374	From 2008-04-07
Buffer Zone	CBZL	California,U.S.A.	37.6917N	121.7160W	175	From 1989-02-07
Buga	BUGC	Colombia	3.8933N	76.2569W	1200	
Buhlerhohe	BUH	Baden-Wurttemberg,Germany	48.6755N	8.2284E	750	From 1967-02-01
Buia	BUA	Italy	46.2183N	13.1233E	320	From 1977-05-06
Buia	BUII	Italy	46.2183N	13.1233E	320	From 1977-05-06
Bujalance, Cordoba	E022	Spain	37.9010N	4.3819W	292	From 2007-09-25 to 2009-06-24
Bukit Timah Dairy	BTDF	Singapore	1.3608N	103.7729E	64	
Bulawayo	BUL	Zimbabwe	20.1433S	28.6133E	1341	From 1958-01-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bulawayo	BLWY	Zimbabwe	20.1400S	28.6100E	1348	
Bulengo	BULE	Congo (Kinshasa)	1.6280S	29.1380E	1480	
Bulgan	BLGM	Mongolia	48.7900N	103.5300E	1210	
Bulgheria - Camerota	BULG	Italy	40.0783N	15.3776E	815	From 2006-08-07
Bullion Camp, Hudson Bay	BULN	Nunavut,Canada	66.3971N	93.1252W	330	From 2006-08-17
Bull Mountain	BMBC	British Columbia,Canada	56.0450N	122.1310W	1100	
Bull Run Dam	BULL	Oregon,U.S.A.	45.4461N	122.1547W	222	
Bulochka	BLCS	Kamchatskaya Oblast',Russia	53.1930N	158.7940E	500	
Bulolo	BLLO	Papua New Guinea	7.2020S	146.6200E	700	From 1988-06-10
Bulukumba	BKSI	Sulawesi,Indonesia	5.3219S	120.1224E	0	From 2007-12-01
Bulusan	VBN	Luzon,Philippines	12.7320N	124.0250E		
Bumble Bee	BBUT	Utah,U.S.A.	40.7455N	112.0112W	1291	
Bunker Hill	BKHT	Tennessee,U.S.A.	35.5320N	83.9360W	843	From 1983-11-10
Bunkhouse Ranch, Marshall	139A	Texas,U.S.A.	32.6795N	94.3927W	59	From 2010-04-30
Bunnythorpe	BUN	North Island,New Zealand	40.2833S	175.6350E	60	From 1932-10-01 to 1968-10-31
Buntu Taipa	BUNI	Sulawesi,Indonesia	3.6578S	120.3230E	240	
Bunyan	BNN	Turkey	38.8520N	35.8460E	1350	
Burakin	WA4	Western Australia,Australia	30.6019S	117.2250E	320	From 1986-04-22
BURAR	BUR33	Romania	47.6351N	25.2008E	1249	From 2008-01-11
BURAR	BUR32	Romania	47.6330N	25.1805E	1328	From 2008-01-11
Burdekin Lookout	BURD	Queensland,Australia	20.6232S	147.1218E	291	
Burdett	R31A	Kansas,U.S.A.	38.2888N	99.5271W	667	From 2009-05-17
Burgeitz	BGG	Rheinland-Pfalz,Germany	50.2060N	7.3372E	140	From 1977-05-02
Burj al 'Arab	HBRG	Egypt	30.5743N	29.8393E	118	
Burke	BUI	Idaho,U.S.A.	47.4650N	115.7820W	590	
Burlington	RD01	Ontario,Canada	43.4109N	79.8356W	142	
Burlington	BUO	Ontario,Canada	43.3617N	79.7450W	88	From 1979-12-12 to 1980-05-01
Burlington	BUR	Vermont,U.S.A.	44.4800N	73.1967W	100	From 1932-12-01 to 1956-12-31
Burma	BURJ	Jordan	32.2418N	35.8042E	1045	From 1983-09-01
Burn	BUWY	England,United Kingdom	53.7429N	1.0665W	5	
Burnet	434A	Texas,U.S.A.	30.8142N	98.2690W	462	From 2009-11-08
Burnie High School	BNE	Tasmania,Australia	41.0625S	145.8653E	70	
Burns	BURN	Oregon,U.S.A.	43.5731N	119.1303W	1615	
Burnside Ranch, Stapleton	M29A	Nebraska,U.S.A.	41.4441N	100.6892W	952	From 2009-05-12
Burnt Mountain Array Beam Reference Point	BMAR	Alaska,U.S.A.	67.4289N	144.5807W	756	
Burnt Mountain Array Site 1	BM01	Alaska,U.S.A.	67.4507N	144.5273W	463	
Burnt Mountain Array Site 2	BM02	Alaska,U.S.A.	67.4297N	144.4915W	5296	
Burnt Mountain Array Site 3	BM3	Alaska,U.S.A.	67.4192N	144.6070W	802	From 1993-07-01
Burnt Mountain Array Site 4	BM04	Alaska,U.S.A.	67.4181N	144.5584W	516	
Burnt Mountain Array Site 5	BM05	Alaska,U.S.A.	67.4289N	144.5807W	756	
Burnt Peak	BTPC	California,U.S.A.	34.6823N	118.5740W	1702	
Burrinjuck	BJEM	Australian Capital Territory,Australia	34.9505S	148.6460E	400	
Burrinjuck Dam	BJDM	Australian Capital Territory,Australia	35.0041S	148.5819E	380	
Burton Butte	BUOR	Oregon,U.S.A.	42.2785N	122.2453W	1797	
Burvik	BURU	Sweden	64.5836N	21.3769E	100	From 2000-09-01
Burwash Landing	BH-	Yukon Territory,Canada	61.3706N	139.1414W	861	From 1965-10-16 to 1965-11-15
Burwash Landing	BH-YK	Yukon Territory,Canada	61.3706N	139.1414W	861	From 1965-10-16 to 1965-11-15
Busan	KSBUS	South Korea	35.2486N	129.1125E	92	From 2001-12-28
Busan_acc	KSBSA	South Korea	35.1048N	129.0319E	0	From 2007-12-12
Bush Stream	BSP	South Island,New Zealand	43.8706S	170.1040E	750	From 1975-06-01 to 1983-11-21
Bushy Park	BSZ	North Island,New Zealand	39.7987S	174.9310E	150	From 1990-06-01 to 2003-12-14
Busso	BSSO	Italy	41.5461N	14.5938E	1010	From 2005-01-17
Butare	BTR	Rwanda	2.6167S	29.7333E	1648	
Butare	AST	Rwanda	2.6167S	29.7333E	1648	
Butcher Ranch, Price	P17A	Utah,U.S.A.	39.4730N	110.7400W	1687	From 2007-07-14 to 2009-05-21
Butembo	BTC	Congo (Kinshasa)	0.1333N	29.2667E	1720	From 1969-01-01
Butler Butte	BBOR	Oregon,U.S.A.	42.8868N	122.6796W	1671	From 1992-06-01
Butler Peak	BTL	California,U.S.A.	34.2572N	117.0030W	2526	
Butner	BUNC	North Carolina,U.S.A.	36.1764N	78.7631W	122	
Buton	BTNI	Sulawesi,Indonesia	5.0000S	122.9170E		
Butte	F15A	Montana,U.S.A.	45.8409N	112.4929W	1995	From 2006-10-27 to 2009-07-10
Butte	BUT	Montana,U.S.A.	46.0133N	112.5630W	1758	
Butte a Klehm	BKM	Vanuatu	17.6683S	168.2430E	270	
Butte Creek Rim	LBCM	California,U.S.A.	40.8368N	121.3499W	1525	
Butterfield Farm, Chambers	L31A	Nebraska,U.S.A.	42.1760N	98.8387W	670	From 2009-09-10
Buttle Lake	BTB	British Columbia,Canada	49.4683N	125.5210W	1640	From 1984-09-01
Butuan	BUTP	Mindanao,Philippines	8.9690N	125.6210E	68	
Butuan	BTN	Mindanao,Philippines	8.9333N	125.5330E	2	From 1914-01-01 to 1943-12-31
BUYEO	KSBUY	South Korea	36.2683N	126.9204E	11	From 2006-11-24
Buynaksk	BUJR	Dagestan,Russia	42.8250N	47.1083E	480	
Buyukada	BUY	Turkey	40.8523N	29.1181E	100	From 2001-03-01
Buyukada	BADT	Turkey	40.8523N	29.1175E	175	
Buzau	BUZR	Romania	45.1503N	26.8095E	139	From 2006-07-28
Buzias	BZS	Romania	45.6167N	21.6167E	260	
Buzzard Lagoon Road	JBZM	California,U.S.A.	37.0178N	121.7860W	213	From 1975-10-07
Buzz No.'s Place	BZNA	California,U.S.A.	33.4915N	116.6670W	1301	
Byrd	BYR	Marie Byrd Land	80.0167S	119.5170W	1515	From 1957-01-01 to 1969-01-31
Byrd (S.R.I.)	BSA	Marie Byrd Land	80.0055S	119.0430W	1449	
Byrd--Stanford Research Institute	BY2	Marie Byrd Land	80.0773S	119.6830W	1449	
Byrd--Stanford Research Institute	BY1	Marie Byrd Land	80.0055S	119.0430W	1449	
Byrd--Stanford Research Institute	BY3	Marie Byrd Land	79.9456S	119.7180W	1452	
Byrd--Stanford Research Institute	BYA	Marie Byrd Land	80.0096S	119.4810W	1453	
Byron Hot Springs	CBSM	California,U.S.A.	37.7968N	121.6460W	279	
Bystrovka, Novosibirskaya Oblast', Russia	BSTK	Novosibirskaya Oblast'	54.5677N	82.6535E	118	From 2003-04-10
Bytom	BYT	Poland	50.3622N	18.9144E	283	From 1960-01-01 to 1972-01-01
Byxelkrok	BYXU	Sweden	57.2899N	17.0083E	10	From 2002-11-05
C@19adrg	CADS	Slovenia	46.2280N	13.7369E	700	From 2003-10-01
C@19res@19njevec Ostr	CRES	Slovenia	45.8260N	15.4569E	431	
Ca@14lilabad	GLBA	Azerbaijan	39.2420N	48.3930E	147	From 2003-08-01
Cabagna-an	VCB	Negros,Philippines	10.3620N	123.1170E	550	
Caballo Blanco	CABA	Venezuela	7.8558N	71.5022W	1600	From 1984-01-01
Cabbage Hill	CHOR	Oregon,U.S.A.	45.5908N	118.5790W	1076	
Cabildo	CBCH	Coquimbo,Chile	32.4269S	71.0689W	175	
Cabo de Gata	ACBG	Spain	36.7687N	2.1938W	64	
Cabonga Reservoir	CBRQ	Quebec,Canada	47.3091N	76.4707W	307	
Cabo Pasado	CABP	Ecuador	0.3865S	80.4287W	125	From 2009-04-08
Caborca	CBS	Sonora,Mexico	30.7283N	112.1600W	300	From 1972-07-30
Cabo Rojo, PR	CRPR	Puerto Rico	18.0064N	67.1096W	4	From 2005-03-08
Cabramurra	CAB	New South Wales,Australia	35.9267S	148.4330E	1610	From 1959-01-01 to 1972-08-09
Cabramurra	CBR	New South Wales,Australia	35.9433S	148.3930E	1537	From 1972-08-09
Cabrayil	DZB	Azerbaijan	39.4100N	47.0300E	680	From 1981-01-01 to 1993-01-01
Cabril	PCAB	Portugal	41.7102N	8.0270W	577	
Cacacuatique	CAHU	El Salvador	13.7707N	88.2110W	1682	
Cacapava Do Sul	CPSB	Rio Grande do Sul	30.4055S	53.4395W	227	
Cache Creek	CK-	British Columbia,Canada	50.8253N	121.3278W	518	From 1962-07-22 to 1962-10-05
Cache Creek	CK-BC	British Columbia,Canada	50.8253N	121.3278W	518	From 1962-07-22 to 1962-10-05
Cachucha Ranch	CCN	New Mexico,U.S.A.	36.8333N	106.8330W		
Cack Lake	CLSB	British Columbia,Canada	52.7587N	122.5551W	792	From 2006-09-02
Caconde	CACB	Sao Paulo,Brazil	21.6802S	46.7326W	1381	From 1993-03-01
Cactus City	CTCC	California,U.S.A.	33.6552N	115.9901W	538	
Cactus Flat W	WCFM	California,U.S.A.	36.2083N	117.9040W	1384	From 1975-09-26
Cactus Flat West	CFWM	California,U.S.A.	36.2083N	117.9040W	1384	From 1975-09-26
Cactus Peak	CTS	Nevada,U.S.A.	37.6565N	116.7251W	1877	From 1979-04-24 to 2002-10-10
Cactus Peak W	WCPM	California,U.S.A.	36.0710N	117.8500W	1494	From 1975-09-26
Cactus Peak West	CPTM	California,U.S.A.	36.0710N	117.8500W	1494	From 1975-09-26
Cadarache	CDR	Provence-Cote d'Azur,France	43.6750N	5.7669E	368	From 1962-01-10
Caddo, Fort Cobb	W33A	Oklahoma,U.S.A.	35.1518N	98.4686W	414	From 2009-10-27
Cadiz	EXCA	Spain	36.5230N	6.2850W	57	
Cady Mountains	CAD	California,U.S.A.	34.8167N	116.3330W		
Caete la Real, Malaga	E006	Spain	36.9491N	5.0446W	1039	From 2007-10-09 to 2009-06-23
Cafayete	FSA	Salta,Argentina	26.0923S	66.0128W	1736	
Cagayan de Oro	CGP	Mindanao,Philippines	8.4548N	124.6942E	50	From 1977-10-01
Cagayan Oro	OMP	Mindanao,Philippines	8.4550N	124.6940E	50	From 1977-10-01
Cagliari Citta	CCI	Sardinia,Italy	39.2208N	9.1172E	50	
Cagliari Serpeddi	CA2	Sardinia,Italy	39.3622N	9.2971E	1050	From 1978-06-01
Cagliari Serpeddi	CGL	Sardinia,Italy	39.3622N	9.2972E	1050	From 1978-06-01
Cagnes-sur-Mer	CAGN	Provence-Cote d'Azur	43.6670N	7.1460E	96	From 2003-06-26
Caguas	CAG	Puerto Rico	18.2394N	66.0353W	350	From 1974-08-16 to 1975-07-17
Cahill	CAHL	Alaska,U.S.A.	58.0525N	155.3015W	807	From 1996-08-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cahill Ridge	JCHM	California,U.S.A.	37.5170N	122.3760W	323	
Cahto Peak	KCPM	California,U.S.A.	39.6863N	123.5824W	1261	From 1979-11-09
Cahuilla Valley	CAHC	California,U.S.A.	33.5037N	116.6985W	1219	
Cahul	KGL	Moldova	45.9050N	28.2010E	48	
Caicara del Orinoco	CAOV	Venezuela	7.3260N	66.3220W	72	From 2002-10-03
Caico	CAI	Rio Grande do Norte,Brazil	6.5260S	37.1380W	190	From 1983-05-31
Caiguire	CAIV	Venezuela	10.4695N	64.1731W	40	From 1993-04-01
Cairn Curran	CCRM	Victoria,Australia	36.9906S	143.9722E	230	
Cairnmuir Flats	CFC	South Island,New Zealand	45.1842S	169.2922E	576	
Cairnmuir Mts	CMCZ	South Island,New Zealand	45.1492S	169.2750E	1039	From 1985-12-01 to 1996-04-30
Cairns-h acc only	CNS2	Queensland,Australia	16.9110S	145.7105E	50	
Cairns-h seis/acc	CNS1	Queensland,Australia	16.9541S	145.7359E	129	
Cairo Montenotte	CKI	Italy	44.4197N	8.2786E	350	From 1983-10-01 to 2002-02-07
Cajamarca	PP16	Peru	7.1300S	78.5160W	2750	
Cakiroluk	DNZL	Turkey	37.6897N	29.0464E	1716	From 2002-11-06
Calabasas	CALB	California,U.S.A.	34.1401N	118.6284W	276	From 1994-01-01 to 2002-12-31
Calabor	ECAL	Spain	41.9413N	6.7371W	950	
Calabrutti - M.te Cervialto	MCRV	Italy	40.7826N	15.1684E	1191	From 2005-07-10
Calachota	PP02	Peru	12.6273S	75.9783W	1655	
Calama	CAC	Antofagasta,Chile	22.4797S	69.0261W	2000	
Calar Alto	ACLR	Spain	37.1897N	2.5822W	1490	
Calaveras Res.	CALM	California,U.S.A.	37.4512N	121.7990W	265	From 1967-10-19
Calaveras Reservoir	CVR	California,U.S.A.	37.4512N	121.7990W	265	From 1967-10-19
Calcutta	CAL	West Bengal,India	22.5392N	88.3307E	6	
Caldarusani	CDB	Romania	44.6769N	26.2706E	85	From 1979-01-01 to 1999-08-25
Caldas Novas	COR2	Goias,Brazil	17.7433S	48.6892W	950	
Caldeira	CALA	Azores,Portugal	38.5814N	28.7019W	875	
Caldera	CLD	Atacama,Chile	27.0833S	70.9333W		
Caldera	CDCH	Atacama,Chile	27.0674S	70.8215W	25	From 2004-07-30
Caldiran	CLDR	Turkey	39.1431N	43.9170E	2087	From 2004-12-16
Caldwell Ranch, Toyah	326A	Texas,U.S.A.	31.3165N	103.9786W	982	From 2008-03-19 to 2010-02-14
Calebasse	PMCB	Martinique	14.7968N	61.1487W	730	
Calectric	CLTC	California,U.S.A.	34.0928N	117.3169W	325	
Caledonia Mountain	LMN	New Brunswick,Canada	45.8520N	64.8060W	363	From 1981-10-28
Calern	CALF	Provence-Cote d'Azur,France	43.7523N	6.9220E	1242	
Calern	CALN	Provence-Cote d'Azur,France	43.7522N	6.8894E	1430	From 1982-06-01
Calero Reservoir	CB2	California,U.S.A.	37.1908N	121.7650W	230	From 1968-10-01 to 1968-10-16
Caleta Bueno	CTBN	Antofagasta,Chile	22.4550S	70.2515W	169	From 2007-11-25
Caleta Campos	CCMX	Michoacan,Mexico	18.0533N	102.7500W		
Calhoun Falls	CHF	South Carolina,U.S.A.	34.0247N	82.5867W	152	From 1977-02-14 to 1989-04-30
CALICANTO	CLCV	Venezuela	10.2633N	67.5936W	554	From 2004-06-30
Calice al Cornoviglio	CALI	Italy	44.2413N	9.8348E	410	From 1995-04-01 to 2009-09-30
Calico Hills	CDH1	Nevada,U.S.A.	36.8631N	116.3148W	1407	From 1980-02-01 to 2002-10-10
Calico Hills	CDH5	Nevada,U.S.A.	36.8631N	116.3148W	1077	From 1980-02-01 to 2002-10-10
Caliente	CQ-NV	Nevada,U.S.A.	37.9042N	114.4708W	1804	
Calif City Airpt	CCAC	California,U.S.A.	35.1525N	118.0165W	710	
California City	CALC	California,U.S.A.	35.1035N	117.9480W	722	
California State, Hayward	CSH	California,U.S.A.	37.6575N	122.0530W	170	From 1972-01-01
Calipatria	CLIC	California,U.S.A.	33.1408N	115.5270W	-59	
Calistoga	CLS	California,U.S.A.	38.6367N	122.5850W	457	
Calitri	CLTR	Italy	40.9000N	15.4408E	670	
Callahan	M02C	California,U.S.A.	41.3920N	122.8538W	960	From 2005-06-30 to 2007-11-14
Callao Caves	CVP	Luzon,Philippines	17.7030N	121.8220E	60	From 1976-05-01
Calls Hollow Road	CHRY	New York,U.S.A.	41.2081N	74.2211W	183	
Cal Nev Ari	W12A	Nevada,U.S.A.	35.3010N	114.8701W	774	From 2006-03-25 to 2008-10-14
Cal Poly Pomona	CPPC	California,U.S.A.	34.0602N	117.8090W	205	
Calstate	BAKC	California,U.S.A.	35.3444N	119.1044W	116	
Cal. St., Hayward	CSHM	California,U.S.A.	37.6575N	122.0530W	170	From 1972-01-01
Caltabellotta	CLTB	Sicily,Italy	37.5786N	13.2156E	957	
Caltech Broad	CBCC	California,U.S.A.	34.1401N	118.1275W	239	
Caltech Cellar	CACC	California,U.S.A.	34.1368N	118.1220W	230	
Caltech--GSA	GSA	California,U.S.A.	34.1368N	118.1283W	234	
Caltech Rob'n Pit	CRPC	California,U.S.A.	34.1362N	118.1271W	233	
Calugareni	CGN	Romania	44.1667N	26.0000E	78	
Calvario	CALV	Ecuador	1.5220S	77.9088W	1180	From 1994-01-21
Calvi	CVF	Corse,France	42.5675N	8.8694E	530	From 1975-10-01 to 1989-11-13
Calviac	CAF	Midi-Pyrenees,France	44.9258N	2.0644E	630	From 1977-09-01
Calvinia	CVNA	Cape Province,South Africa	31.4822S	19.7617E	1050	From 2004-03-01
Calvinia	CVN	Cape Province,South Africa	31.4500S	19.7617E	1050	
Calx Mountain	CLX	Montana,U.S.A.	48.2084N	115.1330W	1975	
Camacho	PT10	Peru	12.0750S	76.9690W	274	From 1984-03-12
Camarillo Hills	CAMC	California,U.S.A.	34.2545N	119.0333W	268	
Camas Ranch	MFID	Idaho,U.S.A.	43.4151N	115.8278W	1302	
Cambridge	CAM	Massachusetts,U.S.A.	42.3833N	71.1167W	5	From 1908-01-01 to 1930-12-31
Cambridge Bay Array Beam Reference Point	CBAR	Northwest Territories,Canada	69.1266N	105.1120W	40	
Cambridge Bay Array Site 1	CB01	Northwest Territories,Canada	69.1760N	105.2093W		
Cambridge Bay Array Site 11	CB11	Northwest Territories,Canada	69.1509N	105.0547W		
Cambridge Bay Array Site 12	CB12	Northwest Territories,Canada	69.1371N	105.1172W		
Cambridge Bay Array Site 13	CB13	Northwest Territories,Canada	69.1183N	105.1862W		
Cambridge Bay Array Site 14	CB14	Northwest Territories,Canada	69.1305N	105.2570W		
Cambridge Bay Array Site 15	CB15	Northwest Territories,Canada	69.1426N	105.3316W		
Cambridge Bay Array Site 16	CB16	Northwest Territories,Canada	69.1722N	105.3412W		
Cambridge Bay Array Site 17	CB17	Northwest Territories,Canada	69.1991N	105.3583W		
Cambridge Bay Array Site 18	CB18	Northwest Territories,Canada	69.2125N	105.2905W		
Cambridge Bay Array Site 19	CB19	Northwest Territories,Canada	69.2322N	105.2324W		
Cambridge Bay Array Site 2	CB02	Northwest Territories,Canada	69.1939N	105.1457W		
Cambridge Bay Array Site 3	CB03	Northwest Territories,Canada	69.1620N	105.1299W		
Cambridge Bay Array Site 31	CB31	Northwest Territories,Canada	69.1266N	105.1120W		
Cambridge Bay Array Site 32	CB32	Northwest Territories,Canada	69.2420N	105.5848W		
Cambridge Bay Array Site 33	CB33	Northwest Territories,Canada	69.3894N	105.2630W		
Cambridge Bay Array Site 34	CB34	Northwest Territories,Canada	69.2688N	104.8210W		
Cambridge Bay Array Site 35	CB35	Northwest Territories,Canada	69.2628N	105.2073W		
Cambridge Bay Array Site 4	CB04	Northwest Territories,Canada	69.1483N	105.1999W		
Cambridge Bay Array Site 5	CB05	Northwest Territories,Canada	69.1592N	105.2594W		
Cambridge Bay Array Site 6	CB06	Northwest Territories,Canada	69.1885N	105.2779W		
Cambridge Bay Array Site 7	CB07	Northwest Territories,Canada	69.2033N	105.2156W		
Cambridge Bay Array Site 8	CB08	Northwest Territories,Canada	69.2228N	105.1513W		
Cambridge Bay Array Site 9	CB09	Northwest Territories,Canada	69.2125N	105.0797W		
Cambridge (NY)	CAMB	New York,U.S.A.	43.0488N	73.2967W	287	
Camerino	CIO	Italy	43.1950N	13.1440E	956	
Camerino	CMR	Italy	43.1333N	13.0667E		
CAMPBELL BAY	CMBY	Andaman Islands,India	7.0109N	93.9266E	10	From 2008-02-13
Campbell Island	CBZ	Campbell Island,New Zealand	52.5508S	169.1590E	30	From 1966-12-01 to 1990-02-25
Campbellpur	CBP	Pakistan	33.7325N	72.2302E		
Campbell River	CBB	British Columbia,Canada	50.0328N	125.3650W	317	From 1981-01-28
Camp Ben Lomond	JBLM	California,U.S.A.	37.1282N	122.1680W	792	From 1976-04-27
Camp Century	CCG	Greenland	77.1667N	61.1333W	1920	From 1962-11-30 to 1963-02-25
Camp Classen	CCOK	Oklahoma,U.S.A.	34.4577N	97.1556W	293	From 1994-08-10
Camp Creek Bald	CCNC	North Carolina,U.S.A.	36.0236N	82.7147W	1452	
Campeare	CAMV	Venezuela	10.5510N	63.3220W	1002	
Camp Elliot	CPE	California,U.S.A.	32.8889N	117.1051W	150	From 1972-11-01
Camp Elliot, Miramar	109C	California,U.S.A.	32.8889N	117.1051W	150	From 2004-05-04
Camp Garcia	CGV	Puerto Rico	18.1328N	65.3173W	130	From 1978-03-01 to 2002-10-10
Camp Murray	MURR	Washington,U.S.A.	47.1200N	122.5600W	10	
Campo	CP-	California,U.S.A.	32.7289N	116.3711W	1189	From 1961-10-01 to 1966-03-31
Campo	CP-CL	California,U.S.A.	32.7289N	116.3711W	1189	From 1961-10-01 to 1966-03-31
Campo	T27A	Colorado,U.S.A.	37.0614N	102.7214W	1366	From 2008-12-17
Campo Grande	CGTX	Texas,U.S.A.	31.3267N	105.7100W	1305	
Campone	CM6*	Sicily,Italy	38.2069N	15.4603E	0	From 1966-01-01 to 1967-01-01
Campora	CMPR	Italy	40.3181N	15.3030E	732	From 2005-10-13
Campos	CMPB	Brazil	21.7840S	41.4291W	56	
Campotosto	CAMP	Italy	42.5358N	13.4090E	1283	From 2003-10-06
Campotto Po	CMPO	Italy	44.5808N	11.8056E	2	From 2007-02-21
Camp Pendleton	CPT	California,U.S.A.	33.3025N	117.3400W	61	From 1975-01-01
Camp Six	KSXM	California,U.S.A.	41.8308N	123.8768W	1120	
Camp Six Broadband	KSXB	California,U.S.A.	41.8304N	123.8769W	1136	
Camp Tracy	CTU	Utah,U.S.A.	40.6925N	111.7503W	1731	
Campulung	CMP	Romania	45.2683N	25.0383E	598	From 1943-03-01
Campus Universitario de Almeria	AALM	Spain	36.8300N	2.4017W	10	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Camp Williams	CWU	Utah,U.S.A.	40.4459N	112.1020W	1945	From 1974-10-01
Camsell Lake	CAMN	Northwest Territories,Canada	63.7321N	110.8989W	420	
Canada Road	CDC	California,U.S.A.	37.0253N	121.4840W	332	From 1967-10-13
Canada Road	HCAM	California,U.S.A.	37.0253N	121.4840W	332	From 1967-10-13
Canada Road	AN7*	California,U.S.A.	37.0253N	121.4840W	332	From 1967-10-13
Canadian Museum of Nature	OTNM	Ontario,Canada	45.4121N	75.6891W	72	From 2003-06-11
Canakkale	CANB	Turkey	40.0167N	27.0624E	230	From 2004-10-02
Canale Monterano - RM	TO03	Italy	42.1280N	12.0482E	223	From 2008-05-14 to 2009-04-02
Canalobre	ACU	Spain	38.5114N	0.4106W	580	From 1985-03-01
Canberra	CAN	Australian Capital Territory,Australia	35.3208S	148.9990E	700	From 2006-08-20
Canberra Magnetic Observatory	CNB	Australian Capital Territory,Australia	35.3150S	149.3630E	850	
Candela	FG4	Italy	41.1319N	15.5175E	450	
Candelaria	PCND	Azores,Portugal	38.4691N	28.4624W	650	From 2005-09-01
Candelaria	CANR	Nevada,U.S.A.	38.1097N	118.1932W	2015	
Candelaria	PCAN	Azores,Portugal	38.4637N	28.4853W	400	
Candle	CDL	Alaska,U.S.A.	66.1140N	161.6570W	65	
Canebrake	CBKC	California,U.S.A.	32.8995N	116.2520W	414	
Cane Creek	CCAR	Arkansas,U.S.A.	33.9172N	91.7716W	72	
Canela	CNLB	Rio Grande do Sul	29.3143S	50.8527W	705	
Caneva	CAE	Italy	46.0067N	12.4367E	870	From 1983-04-23
Canfield Road	NCFM	California,U.S.A.	38.3213N	122.7960W	98	From 1970-08-14
Canisius	CANY	New York,U.S.A.	42.9255N	78.8528W	192	From 1978-12-01 to 1982-03-18
Cankiri	CANT	Turkey	40.6061N	33.6196E	815	
Canlaon	VCN	Negros,Philippines	10.3970N	123.2070E	590	
Cannet Maures	CMF	Provence-Cote d'Azur,France	43.3573N	6.3895E	152	
Canning Dam	CANN	Western Australia,Australia	32.1522S	116.1277E	135	
Cannon Point	CAW	North Island,New Zealand	41.1089S	175.0680E	330	
Canossa - RE	RE02	Italy	44.5672N	10.4673E	500	From 2008-12-28 to 2009-02-12
Canovanas	CBYP	Puerto Rico	18.2716N	65.8566W	606	
Canovanas	CBYB	Puerto Rico	18.3000N	65.8000W	550	
Cantantal	ACAN	San Luis,Argentina	32.2741S	67.1886W	634	
Canterbury Laser	CRLZ	South Island,New Zealand	43.5769S	172.6208E	30	
Cantone	ATCA	Italy	43.5659N	12.2661E	687	From 2010-05-18
Cantwell	CNA	Alaska,U.S.A.	63.3964N	148.9450W	700	From 1971-08-01 to 1976-09-30
Canyon Day Junior High, Whiteriver	Y18A	Arizona,U.S.A.	33.7776N	110.0341W	1512	From 2007-04-11 to 2009-02-05
Canyon Junction	CJW	Wyoming,U.S.A.	44.7343N	110.4980W	2395	From 1974-10-01 to 1999-08-25
Canyon Junction	YPCJ	Wyoming,U.S.A.	44.7438N	110.4975W	2426	
Canyonlands National Park, Moab	R18A	Utah,U.S.A.	38.3862N	109.8942W	1828	From 2007-06-16 to 2009-03-07
Capacho	CAPV	Venezuela	7.8650N	72.3140W	1800	From 2002-08-14
Cape Campbell	CCW	South Island,New Zealand	41.7508S	174.2170E	216	From 1981-02-19 to 2004-04-14
Cape Campbell	CMWZ	North Island,New Zealand	41.7492S	174.2138E	281	From 2003-12-10
Cape D'Aguilar	HKCD	Hong Kong,China	22.2092N	114.2597E	40	From 1997-04-23
Cape Darby	CDY	Alaska,U.S.A.	64.3475N	162.7840W	561	
Cape Douglas	CDA	Alaska,U.S.A.	58.9553N	153.5290W	386	From 1974-01-01 to 1981-08-16
Cape Douglas	CDD	Alaska,U.S.A.	58.9298N	153.6430W	622	From 1981-08-22
Cape Frico	AR7	Costa Rica	9.8503N	85.1164W	582	From 1976-05-15 to 1999-08-25
Cape Girardeau	CGM	Missouri,U.S.A.	37.3167N	89.5333W	134	From 1938-01-01
Cape Gloucester Airport	CGA	New Britain,Papua New Guinea	5.4500S	148.4200E	15	
Cape Good Hope	CGH	Cape Province,South Africa	33.9333S	18.4833E	13	
Cape Hallett	HLL	Victoria Land	72.3139S	170.2170E	2	From 1957-04-01 to 1964-10-31
Cape Kidnappers	CKHZ	North Island,New Zealand	39.6599S	177.0775E	209	From 2007-08-30
Cape Reinga	CRZ	North Island,New Zealand	34.4319S	172.6800E	140	From 1967-10-01 to 1999-08-25
Cape Romanzof	CPR	Alaska,U.S.A.	61.7900N	165.9550W		
Cape Saint James	SJB	British Columbia,Canada	51.9367N	131.0144W	100	From 1982-09-17
Cape San Juan	CSJ	Puerto Rico	18.3830N	65.6180W	66	From 1975-04-01 to 1999-08-25
Cape Sarichef	CSA	Alaska,U.S.A.	54.5944N	164.8750W	152	From 1970-11-28 to 1971-05-18
Capetown	KCTM	California,U.S.A.	40.4758N	124.3360W	409	
Cape Town	CTO	Cape Province,South Africa	33.9500S	18.4500E	100	
Cape Wrath	RCR	Scotland,United Kingdom	58.6240N	4.9986W	100	From 1995-09-10
Cape Yakataga	CYK	Alaska,U.S.A.	60.0830N	142.4850W	3	From 1989-01-01
Cape Yakataga	CYT	Alaska,U.S.A.	60.0744N	142.4110W	323	From 1978-08-08 to 1980-09-22
Cap Guir	CGR	Morocco	30.6300N	9.8800W	65	From 2001-06-02
Capitan	Y24A	New Mexico,U.S.A.	33.9257N	105.4361W	1827	From 2008-04-24
Capitol Peak	CPW	Washington,U.S.A.	46.9738N	123.1360W	792	From 1970-07-29
Capodimonte	CAP	Italy	40.8667N	14.2500E	129	
Capo Mulini Mare	SN1	Italy	37.5476N	15.3975E	-2065	From 2006-02-09
Capo Vaticano	CVI	Italy	38.5923N	15.9038E		From 1978-04-01
Capo Vaticano	CV6*	Sicily,Italy	38.6089N	16.8842E		From 1966-04-01 to 1966-05-01
Capps Glacier	CGLM	Alaska,U.S.A.	61.3077N	152.0070W	1082	
Capra Ranch	CAPCA	California,U.S.A.	33.3882N	117.1949W	285	
Caprese Michel	CRE	Italy	43.6197N	11.9508E	1170	From 1983-10-01
Capriano del Colle	LEOD	Italy	45.4582N	10.1234E	92	From 2007-07-18
Capriolo	CAPR	Italy	45.6372N	9.9345E	215	From 2006-05-31
Caprock	Z26A	New Mexico,U.S.A.	33.2716N	103.9798W	1163	From 2008-04-17
Cap Rock	CPRX	New Mexico,U.S.A.	33.0308N	103.8670W	1356	
Cap Spartel	CPS	Morocco	35.7910N	5.9100W	326	
Captain Cook	CPH	Hawaii,U.S.A.	19.4882N	155.9180W	323	From 1973-09-20
Capurgana	CAPC	Colombia	8.6040N	77.3573W	50	
Caracas	CAR	Venezuela	10.5070N	66.9280W	1035	From 1962-05-24
Carapelle Calvisio	RM27	Italy	42.3018N	13.6799E	947	From 2009-06-18 to 2009-08-31
Caraveli	CRV	Peru	15.7844S	73.3731W	1780	
Caravelle	CRM	Martinique	14.7537N	60.9155W	180	From 1973-01-01
Carcaliu	CFR	Romania	45.1780N	28.1362E	52	From 1977-03-01
Carcanieres	CARF	Midi-Pyrenees,France	42.7160N	2.1055E	1220	From 1998-07-10
Cardinia	CDNM	Victoria,Australia	37.9462S	145.4252E	252	
Cardoso	CRDM	Italy	44.0262N	10.4818E	370	From 2006-01-01
Carei	CEI	Romania	47.6850N	22.4585E	125	From 1979-01-01
Carey	J14A	Idaho,U.S.A.	43.3234N	113.5178W	1649	From 2007-08-11 to 2009-06-01
Cariacou	GRCU	Grenada	12.4711N	61.4529W	240	
Caribou	CBM	Maine,U.S.A.	46.9325N	68.1208W	250	From 1962-10-01 to 1994-12-31
Carife	CAFE	Italy	41.0280N	15.2366E	1070	From 2005-07-10
Carlentini	HCRL	Sicily,Italy	37.2830N	15.0320E	190	From 1994-05-01
Carlisle	CARL	Western Australia,Australia	31.9835S	115.9267E	2	From 2009-02-14
Carloforte	CRL	Sardinia,Italy	39.1333N	8.3167E	18	
Carlsbad	CLN	New Mexico,U.S.A.	32.4027N	103.7320W	1094	From 1974-04-05
Carlsbad	CLNB	New Mexico,U.S.A.	32.2642N	103.8790W	1045	
Carlsbad 2	CLN2	New Mexico,U.S.A.	32.3552N	103.7740W	1100	
Carlsbad 4	CLN4	New Mexico,U.S.A.	32.3533N	104.0290W	975	
Carlsbad 6	CLN6	New Mexico,U.S.A.	32.5208N	103.8790W	1100	
Carlsbad 7	CLN7	New Mexico,U.S.A.	32.4132N	103.8080W	1033	
Carlsbad E Tower	CBET	New Mexico,U.S.A.	32.4205N	103.9900W	1042	
Carlson Angus Ranch, Regent	E26A	North Dakota,U.S.A.	46.4712N	102.4621W	806	From 2009-06-11
Carlson Farm, Grass Valley	G06A	Oregon,U.S.A.	45.2357N	120.6351W	780	From 2006-08-15 to 2009-01-08
Carmanah Point Lighthouse	CPLB	British Columbia,Canada	48.6118N	124.7512W	40	
Carmen	CARM	Ecuador	0.2410S	79.4965W	2330	
Carmenet Vineyard	CVS	California,U.S.A.	38.3453N	122.4584W	295	
Carmichael	CRG	Guadeloupe	16.0542N	61.6592W	1370	
Carmignano	CRMI	Italy	43.7900N	10.9700E	490	From 2006-10-12
Carmo do Cajuru	CDCB	Minas Gerais,Brazil	20.2365S	44.7182W	880	From 1993-01-01
Carnagh Station	CNGZ	North Island,New Zealand	38.4855S	178.2072E	175	From 2007-12-02
Carnasaw Mountain Lookout Tower	CRO	Oklahoma,U.S.A.	34.1499N	94.5556W	302	From 1977-05-17 to 1980-07-23
Carnegie Institution of Washington	DTM	District of Columbia,U.S.A.	38.9567N	77.0644W	67	
Carney Farms, Richland	A22A	Montana,U.S.A.	48.9926N	105.9153W	861	From 2008-09-16 to 2010-07-15
Carnmenellis	CCA1	England,United Kingdom	50.1866N	5.2277W	210	From 1981-01-01
Carnsore Point	ECP	Ireland	52.1800N	6.3689W	5	From 1980-06-01 to 2002-01-06
Carolei	CARO	Italy	39.2540N	16.2190E	618	From 2006-08-07
CAROLEI	CAR1	Italy	39.2534N	16.2114E	679	From 2009-10-21
Carovilli	CRVI	Italy	41.7239N	14.3056E	910	
Carovilli	CII	Italy	41.7230N	14.3050E	910	
Carpinone	CPI2	Italy	41.5853N	14.3186E	750	
Carquinez Bridge	CRQB	California,U.S.A.	38.0558N	122.2249W	-63	
Carr	N24A	Colorado,U.S.A.	40.8271N	104.8824W	1695	From 2008-07-08
Carrickbyrne, Co Wexford	IWEX	Ireland	52.3743N	6.7745W	179	
Carrickbyrne Hill	ECB	Ireland	52.3661N	6.7811W	125	From 1981-02-01
Carrizo Plain	CARC	California,U.S.A.	35.3082N	119.8458W	765	
Carrizo Plain	CRR	California,U.S.A.	32.8868N	115.9692W	66	From 1973-04-06
Carrot	PCA1	Scotland,United Kingdom	55.7007N	4.2550W	302	From 1983-01-01
Carruther's Hill	CASA	Cape Province,South Africa	34.6990S	19.5900E	187	
Cars	CARS	Ecuador	2.4357S	78.9482W	3940	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Carson	E27A	North Dakota,U.S.A.	46.4293N	101.5645W	738	From 2009-07-16
Carson Hill	MCHM	California,U.S.A.	38.0187N	120.5100W	475	From 1972-04-19
Carson Hill	CRH	California,U.S.A.	38.0187N	120.5100W	475	From 1972-04-19
Cartagena	CART	Spain	37.5868N	1.0012W	65	
Carters Dam	CDG	Georgia,U.S.A.	34.6108N	84.6713W		From 1975-01-01
Carthage	CTNY	New York,U.S.A.	43.9879N	75.6453W	187	From 2005-11-08 to 2007-06-27
Carthage	CRNM	New Mexico,U.S.A.	33.9525N	106.7340W	1662	
Cartuja	CRT	Spain	37.1900N	3.5956W	774	
Caruaru	CAUB	Pernambuco,Brazil	8.1768S	36.0093W	479	From 2002-02-07
Carupano	CRUV	Venezuela	10.6748N	63.2363W	20	From 1993-04-01
Carvers	Q09A	Nevada,U.S.A.	38.8340N	117.1816W	1703	From 2006-04-13 to 2008-03-22
Cary Ranch	CRY	California,U.S.A.	33.5654N	116.7373W	1128	
Caryville	CA-TN	Tennessee,U.S.A.	36.1444N	84.1897W	305	
Caryville	CA-	Tennessee,U.S.A.	36.1444N	84.1897W	305	
Casablanca	COBS	Spain	40.7141N	1.3573E	-160	From 2007-11-01
Casacalenda	CSCL	Italy	41.6948N	14.8320E	905	From 2002-11-28
Casa Diablo	DBOG	California,U.S.A.	37.6528N	118.9180W	2243	From 1984-07-01
Casa Diablo Hot Springs	MCSM	California,U.S.A.	37.6550N	118.9040W	2420	From 1982-08-05
Casa Diablo Mountain	CASR	California,U.S.A.	37.5748N	118.5520W	2170	From 1980-06-01
Casa Juvan	CJV	California,U.S.A.	34.5305N	118.1440W	1341	
Casalattico (FR)	T0203	Italy	41.6187N	13.7213E	559	From 2009-10-08 to 2010-01-14
Casamaina	RM12	Italy	42.2620N	13.3924E	1412	From 2009-04-07 to 2009-05-25
Casa M˜¡quinas Las Pailas	APPA	Costa Rica	10.7583N	85.3590W	650	From 2000-01-01
Casa M˜¡quinas Miravalles	APGM	Costa Rica	10.7007N	85.1925W	636	From 2000-01-01
Casamari	CAS	Italy	41.6333N	13.3667E		
Casamicciola	OC9	Italy	40.7458N	13.9008E	123	From 1993-01-01
Casamicciola	CSM	Italy	40.7500N	13.9000E	123	
Casares, Malaga	E005	Spain	36.4294N	5.2660W	321	From 2008-02-14 to 2009-06-18
Casa Rosa Ranch, Morristown	Y15A	Arizona,U.S.A.	33.9535N	112.3331W	572	From 2007-03-20 to 2008-12-02
Cascade Tunnel	CC-WA	Washington,U.S.A.	47.7692N	121.0836W	1036	
Case Bada	ECBD	Sicily,Italy	37.7795N	15.0863E	1420	From 1994-10-01
Case del Piano	ECPN	Sicily,Italy	37.7428N	14.9885E	2985	From 1993-11-01
Case del Vescovo	ECVS	Sicily,Italy	37.7030N	15.0177E	1950	From 1994-10-01
Case Giovannangeli - (Balsorano -AQ)	T0201	Italy	41.7780N	13.5745E	570	From 2009-06-12 to 2009-07-28
Casera Mimoias	CSMI	Italy	46.5120N	12.6520E	1635	
Casera Razzo	CSZ	Italy	46.4731N	12.6172E	1825	From 1988-01-01 to 1994-10-12
Casey	CASY	Enderby Land	66.2792S	110.5364E	154	
Casey Station	CSY	Wilkes Land	66.2894S	110.5290E	56	
Case Zampini	ECZM	Sicily,Italy	37.7308N	14.9040E	1342	From 1992-12-01
Cashmere	CMZ	South Island,New Zealand	43.5861S	172.6400E	255	From 1978-09-07 to 1990-04-30
Casias Ranch, Antonito	T23A	Colorado,U.S.A.	37.0361N	106.0372W	2429	From 2008-06-06
Casigua	CSV	Venezuela	8.5040N	72.5220W	50	
Casitas Dam	BCD	California,U.S.A.	34.3687N	119.3440W	213	From 1971-11-01
Casitas Lake	BCL	California,U.S.A.	34.4125N	119.3610W	177	From 1969-11-24 to 1971-10-05
Casmilo, Condeixa	PCAS	Portugal	40.0528N	8.4983W	343	From 2009-07-24
Casper	K22A	Wyoming,U.S.A.	42.6507N	106.5240W	1686	From 2008-07-15
Casr Tuba	CSTJ	Jordan	31.1200N	36.6770E	760	From 1990-03-24
Casr Tuba	QTBJ	Jordan	31.1200N	36.6770E		From 1990-03-24
Cassa de la Selva	CCAS	Spain	41.8840N	2.9053E	197	From 2004-12-01
Cassano Ionio	CSI	Italy	39.7765N	16.2894E	507	From 1979-05-01
Cassano Irpino	CSSN	Italy	40.8608N	15.0239E	690	
Casso	CSO	Italy	46.2733N	12.3239E	1070	From 1988-01-01
Cassop	LCP	England,United Kingdom	54.7368N	1.4741W	185	From 1991-01-01
Castanea	MSRU	Sicily,Italy	38.2630N	15.5090E	335	From 1993-12-01
Castelbuono	CSLB	Sicily,Italy	37.9374N	14.0579E	583	
Castel del Monte	CDT	Italy	41.0820N	16.2740E	500	
Castel Frentano	CAFR	Italy	42.2273N	14.3470E	250	From 2006-11-15
Castella	LCAM	California,U.S.A.	41.1688N	122.2728W	689	
Castellane	OG32	Rhone-Alpes,France	43.8103N	6.5593E	1130	From 1991-05-03
Castelleone	CTL8	Italy	45.2763N	9.7622E	-78	From 2009-10-13
Castellina Chianti	CSNT	Italy	43.4722N	11.2911E	573	
Castello di San Valentino (Castellarano) - RE	RE08	Italy	44.5237N	10.6998E	301	From 2008-12-28 to 2009-02-12
Castell'Umberto	ME07	Italy	38.0813N	14.8116E	739	From 2007-11-22 to 2008-05-11
Castelmola	ECML	Sicily,Italy	37.8692N	15.2637E	810	From 1994-10-01
Castelo Branco	PCBR	Portugal	39.8403N	7.4775W	180	From 1994-05-10
Castel Tesino	CTI	Italy	46.0481N	11.6498E	1189	
Castelvetrano	CAVT	Sicily,Italy	37.6788N	12.7556E	158	From 2000-07-01
Castelvetrano	CVT	Sicily,Italy	37.6780N	12.7920E	0	From 1986-01-01
Castiglione	ECTS	Sicily,Italy	37.8820N	15.1210E	681	From 1989-07-01
Castiglione Aldobrando (Gubbio) - PG	AT04	Italy	43.2543N	12.4505E	595	From 2010-03-31
Castiglione della Pescaia	CASP	Italy	42.7908N	10.8652E	390	From 2007-05-30
Castiglione (Tornimparte)	RM15	Italy	42.2823N	13.2452E	1223	From 2009-04-09 to 2009-05-25
Castiglion Fiorentino	CAFI	Italy	43.3292N	11.9663E	547	From 2007-09-12
Castillo	CASO	Costa Rica	10.4337N	84.7342W	575	From 2000-01-01
Castillo de Giribaile, Vilches, Jaen	E032	Spain	38.1135N	3.4898W	480	From 2008-06-04 to 2008-11-14
Castleberry Farm, Seminole	128A	Texas,U.S.A.	32.6213N	102.4850W	966	From 2009-02-06
Castle Douglas	GCD	Scotland,United Kingdom	54.8638N	3.9417W	189	From 1989-01-01
Castle Hill	CAH	New South Wales,Australia	34.6433S	149.2420E	700	From 1970-01-01
Castle Mountain	CTM	California,U.S.A.	35.9317N	120.3370W	1189	From 1970-12-15
Castle Mountains	CMJ	Jamaica	18.1358N	76.3727W	333	
Castle Mt.	PCAM	California,U.S.A.	35.9317N	120.3370W	1189	From 1970-12-15
Castlepoint	CAZ	North Island,New Zealand	40.9042S	176.2260E	6	From 1968-02-20 to 1988-11-30
Castlepoint	CPWZ	North Island,New Zealand	40.9098S	176.2016E	181	From 2009-07-07
Castle Rock	CRC	California,U.S.A.	37.2417N	122.1300W	607	From 1966-03-01 to 1977-06-01
Castle Rock	CTR	New York,U.S.A.	43.8742N	74.4600W	585	From 1971-09-01
Castle Rocks	CAST	Alaska,U.S.A.	63.4193N	152.0820W	611	
Castle Rock Springs	GCRM	California,U.S.A.	38.7732N	122.7150W	719	From 1979-05-08
Castle Valley Ranch, Emery	Q16A	Utah,U.S.A.	38.9176N	111.1716W	1912	From 2007-05-31
Castor Lake	CTLN	Yukon Territory,Canada	64.4287N	116.0189W	552	
CASTRO	CTRO	Chile	42.4814S	73.7814W	92	From 2008-08-12
Castrocucco	CUC	Italy	39.9931N	15.8156E	665	
Castroreale	MCSR	Sicily,Italy	38.0640N	15.2500E	1010	From 1993-12-01
Castro Verde	PCVE	Portugal	37.6320N	8.0390W	234	From 2007-12-11
Castrovirreyna	CST	Peru	13.2917S	75.3233W	3947	
Catak	CTK	Turkey	40.6900N	34.8261E	1250	From 1991-01-01
Catalca	CTTX	Turkey	41.3420N	28.3580E	378	
Catalca	CTT	Turkey	41.1473N	28.4297E	324	From 1978-08-01
Catalca	ELBA	Turkey	41.1469N	28.4307E	331	From 2005-09-20
Catalina Dam	CTD	California,U.S.A.	33.3549N	118.4444W	190	
Catalina I. Airport	CIAC	California,U.S.A.	33.4019N	118.4137W	467	
Catalina Island	CIS	California,U.S.A.	33.4067N	118.4030W	485	From 1971-07-01 to 2008-07-16
Catalina Island	CIU	California,U.S.A.	33.4458N	118.4830W	203	
Catamayo	CATE	Ecuador	3.9618S	79.3720W	1358	From 2008-12-12
Catania	CAT	Sicily,Italy	37.5142N	15.0972E	20	
Catapilco	CTP	Aconcagua,Chile	32.5717S	71.3117W	116	From 1970-08-01
Cataract Bedrock	CTBM	New South Wales,Australia	34.2648S	150.8107E	322	
Cataract Creek	CCAZ	Arizona,U.S.A.	35.6540N	112.2970W	1724	
Cataract Dam	CTDM	New South Wales,Australia	34.2672S	150.8023E	294	
Catarman	CNP	Samar,Philippines	12.5105N	124.6632E		From 1980-09-04
Cat Creek Ranch, Riddle	L11A	Idaho,U.S.A.	42.1669N	115.7541W	1511	From 2007-01-08 to 2008-08-14
Catenanuova	ECNV	Sicily,Italy	37.5956N	14.7125E	475	From 2007-01-30
Cat-ERZURUM	ECAT	Turkey	39.6062N	40.9742E	1910	From 2010-08-04
Catfish Pond	CNJ	New Jersey,U.S.A.	41.0358N	75.0042W	351	From 1973-02-01 to 1974-07-31
Cathedral Cave	CCM	Missouri,U.S.A.	38.0557N	91.2446W	223	
Catigliano (Citt˜ di Castello) - PG	AT07	Italy	43.4940N	12.0561E	442	From 2010-04-01
Catron	CATM	Missouri,U.S.A.	36.6129N	89.6472W	82	
Catuaro Arriba	CATA	Venezuela	10.6010N	63.0700W	360	
Cauayan	CAUP	Luzon,Philippines	16.9440N	121.8230E	50	
Cauldkaine Hill	ECK	Scotland,United Kingdom	55.1811N	3.1272W	336	From 1981-09-01
Causey	Y27A	New Mexico,U.S.A.	33.8839N	103.1633W	1253	From 2008-04-18
Cauta	CTAS	El Salvador	13.7489N	89.8653W	355	
Cavalese	CAV	Italy	46.2931N	11.4619E	1050	From 1981-06-15
Cavaso del Tomba, Italy	MTOM	Italy	45.8883N	11.8993E	897	From 2010-06-09
Cave	KCA	Kerguelen Islands	49.3480S	70.2180E		From 1974-02-01
Cavedale Road	NCDM	California,U.S.A.	38.3698N	122.4620W	620	From 1971-03-08
Cavedale Road	CRD	California,U.S.A.	38.3698N	122.4620W	620	From 1971-03-08
Cave In Rock	CIRL	Illinois,U.S.A.	37.5119N	88.1081W	119	
Cave Junction	L02A	Oregon,U.S.A.	42.1560N	123.6018W	484	From 2005-12-16 to 2007-11-29
Cave Mountain	CAVC	California,U.S.A.	35.0523N	116.3392W	664	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Caviahue	CANA	Neuquen,Argentina	37.8874S	71.0620W	1645	From 1993-11-08
Cavillon	CAVM	New South Wales,Australia	29.6478S	151.6238E	982	
Cavuskoy	CAVTT	Turkey	40.2022N	29.8425E	460	
Cavuskoy	CAVI	Turkey	40.2022N	29.8425E	460	From 1993-01-01
Cawcaw Swamp	CCS	South Carolina,U.S.A.	32.8161N	80.2553W	9	From 1976-03-31
Cayambe	CASW	Ecuador	0.0160N	78.0063W	4889	
Cayambe	CAYA	Ecuador	0.0715N	77.9902W	4143	From 1988-10-14
Cayambe Volc	ELAGU	Ecuador	0.0236S	77.9903W	4218	From 2002-12-12
Cayenne	CAY	French Guiana	4.9480N	52.3167W	25	From 1985-07-22
Cazenovia	CAZE	New York,U.S.A.	42.9313N	75.9200W	301	
Cccc	CCCC	Cuba	21.2000N	77.7660W		
C.da Z Pietro	EZPO	Sicily,Italy	37.8230N	15.1068E	847	From 1994-10-01
Ceahlau	CEA	Romania	46.9758N	25.9511E	1699	From 1982-09-01 to 1989-01-01
Cebu City	CCP	Cebu,Philippines	10.3313N	123.9062E	36	
Cedar Bluff	CBKS	Kansas,U.S.A.	38.8140N	99.7374W	667	From 1994-09-01
Cedar Butte	CBTI	Idaho,U.S.A.	43.3875N	112.9120W	1754	From 1986-07-11
Cedar Butte	CIB	Idaho,U.S.A.	43.4011N	112.9420W	1611	From 1979-11-18 to 1986-07-11
Cedar City	CCUT	U.S.A.	37.5506N	113.3627W	2127	
Cedar City	CCU	Utah,U.S.A.	37.6753N	113.0690W	1775	From 1968-12-01
Cedar City	S14A	Utah,U.S.A.	37.7601N	113.1684W	1746	From 2007-01-27 to 2008-10-08
Cedar City	CVH	Utah,U.S.A.	37.7151N	113.0641W	1724	From 2008-06-10
Cedar City, Iron County	IAE	Utah,U.S.A.	37.6651N	113.0667W	1807	From 2008-07-09
Cedar City Park	CCPU	Utah,U.S.A.	37.6666N	113.0882W	1839	From 2009-09-03
Cedar Cove	CVE	Utah,U.S.A.	38.4642N	112.8520W	1890	
Cedar Creek	CDO	Oklahoma,U.S.A.	34.1904N	94.7726W	230	From 1980-08-01 to 1981-03-25
Cedar Creek Ranch, Saratoga	M22A	Wyoming,U.S.A.	41.4033N	106.5958W	2334	From 2007-11-25
Cedaredge	CECO	Colorado,U.S.A.	38.9310N	107.9810W	1692	
Cedar Flats	CDFW	Washington,U.S.A.	46.1162N	122.0470W	780	
Cedar Moraine	CDMR	Washington,U.S.A.	47.4222N	121.7578W	479	
Cedar Mountain	CMU	Utah,U.S.A.	39.1713N	110.6190W	2332	From 1978-06-01 to 1990-08-14
Cedar Springs	CED	California,U.S.A.	34.2772N	117.3340W	1067	From 1965-03-01 to 1967-07-31
Cedar Springs	CSP	California,U.S.A.	34.2980N	117.3583W	1239	From 1969-07-01
Cedral	CDRL	Costa Rica	10.5252N	83.6873W	51	
Cedral	CDL2	Costa Rica	10.5252N	83.6873W	51	
Cedros	CEDR	Azores,Portugal	38.6341N	28.6986W	100	From 1993-04-07
Cedros	CDRO	Azores,Portugal	38.6292N	28.6992W	195	
Cedros	PCED	Azores,Portugal	38.6283N	28.7017W	200	
Ceiba Bonita	SDD09	Dominican Republic	19.2533N	69.6073W	465	
Celerina	SCEL	Switzerland	46.5074N	9.8552E	1718	From 2009-08-01
Celeste	CEL	Italy	38.2594N	15.8939E	690	
Cemaes, Anglesey	WPS	Wales	53.4004N	4.4986W	16	From 2011-03-10
Cemisgezek	CEM	Turkey	39.0579N	38.9234E	1076	From 1973-09-10
Centennial Lake Park	CLPO	Ontario,Canada	45.2460N	76.9642W	272	
Centennial Mountain	CMI	Idaho,U.S.A.	44.5253N	111.6220W	2377	
Center	D27A	North Dakota,U.S.A.	47.1081N	101.5254W	658	From 2009-07-17
Center Grove, Livingston	439A	Texas,U.S.A.	30.7937N	94.7660W	90	From 2010-04-12
Centerville	CV-TN	Tennessee,U.S.A.	35.7700N	87.3844W	183	From 1961-11-25 to 1962-10-05
Centerville	337A	Texas,U.S.A.	31.3159N	95.8854W	150	From 2010-02-16
Centerville	CV-	Tennessee,U.S.A.	35.7700N	87.3844W	183	From 1961-11-25 to 1962-10-05
Central Fire St	CFSC	California,U.S.A.	34.1054N	117.2829W	312	
Central Michigan University	MTPM	Michigan,U.S.A.	43.5872N	84.7743W	178	
Central Minnesota Array	CM1	Minnesota,U.S.A.	45.9337N	93.3528W	324	From 1977-01-01
Central Minnesota Array	CM2	Minnesota,U.S.A.	45.9741N	93.1618W	323	From 1977-01-01
Central Minnesota Array	CM3	Minnesota,U.S.A.	43.8747N	93.0097W	294	From 1977-01-01
Central Minnesota Array	CM5	Minnesota,U.S.A.	45.7830N	93.3234W	298	From 1977-01-01
Central Minnesota Array	CM6	Minnesota,U.S.A.	45.8599N	93.1977W	310	From 1977-01-01
Central Minnesota Array	CM4	Minnesota,U.S.A.	45.7500N	93.1019W	298	From 1977-01-01
Central Park	CPNY	New York,U.S.A.	40.7912N	73.9600W	27	
Central Site	MCEM	California,U.S.A.	37.9388N	120.5293W	373	
Centro de Investigaciones Geotecnicas	CIGS	El Salvador	13.6981N	89.1733W	616	From 1991-12-01 to 2003-03-28
Cent US Eq Cons	CUET	Tennessee,U.S.A.	35.0072N	89.9756W	104	
Ceres	CER	Cape Province,South Africa	33.3617S	19.2933E	472	
Cerknica	CEY	Slovenia	45.7388N	14.4267E	579	From 1975-08-15
Cernavoda	CVDA	Romania	44.3336N	28.0374E	43	From 2010-11-16
Cernavoda	CVD	Romania	44.3145N	28.0326E	82	
Cernavoda-Power Plant	CVD1	Romania	44.3207N	28.0624E	20	From 2010-06-03
Cernica	CNCR	Romania	44.4439N	26.2619E	105	From 2004-08-17
Cerqua	RM30	Italy	42.5332N	13.0931E	885	From 2009-09-17 to 2010-02-16
Cerre-les-Noroy	CNF	Franche Comte,France	47.5828N	6.3177E	305	
Cerreto	CERT	Italy	41.9490N	12.9820E	755	From 2003-04-23
Cerrillo	CRX	Mexico D.F.,Mexico	19.4064N	99.6800W	2997	From 1978-11-29
Cerrillos	CELP	Puerto Rico	18.0749N	66.5792W	195	
Cerrillos	CLLP	Puerto Rico	18.0800N	66.5767W	195	From 1991-04-01 to 1999-08-25
Cerro Adams	ACR	Costa Rica	8.6532N	83.1680W	500	
Cerro Alto Campground	PCGM	California,U.S.A.	35.4253N	120.7390W	314	
Cerro Antonio	CANV	Venezuela	11.0390N	68.8280W	450	From 1993-04-01
CERRO ARCO	ARCO	Mendoza	32.8415S	68.9321W	1557	From 1997-06-12
Cerro Azul	CZL	New Mexico,U.S.A.	36.2833N	105.9103W	2128	
Cerro Blanco	RTCB	San Juan,Argentina	31.4878S	68.8104W	1059	
Cerro Blanco	BCO	San Juan,Argentina	31.4878S	68.8104W	1059	
Cerro Bola	CBX	Baja California,Mexico	32.3131N	116.6636W	1250	From 1982-01-05
Cerro Calan	CLCH	Santiago,Chile	33.3961S	70.5369W	865	
Cerro-Chispas-Manabi	CHIS	Ecuador	1.0493S	80.7260W	324	From 2006-11-10
Cerro Coronel	ACCO	San Juan,Argentina	30.5879S	69.0820W	2933	
Cerro de Hojas	HOJA	Ecuador	1.0505S	80.5460W	500	From 1993-01-22
Cerro de Hula	CHUH	Honduras	13.9417N	87.2333W	1720	
Cerro de Hule	HLH	Honduras	13.8375N	87.2583W	0	From 1990-07-01
Cerro del Durazano	CDN	New Mexico,U.S.A.	35.4546N	107.3480W	2591	From 1976-01-01
Cerro de Muerte	CDM	Costa Rica	9.5552N	83.7657W	3470	From 1984-03-07
Cerro de Punta	CDPB	Puerto Rico	18.1700N	66.5900W	1300	
Cerro de Punta	CDP	Puerto Rico	18.1751N	66.5913W	1300	From 1975-07-30
Cerro Diablo	CEDI	Venezuela	7.6540N	71.8850W	900	From 1984-01-01
Cerro El Oso	CEOS	Venezuela	9.0299N	68.3434W	404	From 1986-12-01
Cerro El Roble	ELRO	Santiago,Chile	32.9753S	71.0153W	2185	
Cerro Encantado	CEO	Oaxaca,Mexico	16.2333N	97.0183W	3000	
Cerro Gallo	CGAC	Costa Rica	10.0310N	84.4757W	1300	From 1996-01-01
Cerro Gallo 2	CGA2	Costa Rica	10.0162N	84.4655W	1200	
Cerro Gordo	CGVM	Mexico D.F.,Mexico	19.7500N	98.8293W		
Cerro Gordo	CGO	California,U.S.A.	36.5504N	117.8029W	2795	
Cerro Jefe	JEF	Panama	9.2188N	79.3738W	977	
Cerro Kenedy	KENC	Colombia	11.1108N	74.0477W	2560	
CERRO LA CRUZ	ACLC	La Rioja	29.4254S	66.9520W	1670	From 1993-06-19
Cerro la Pandura	CPD	Puerto Rico	18.0368N	65.9151W	385	From 1975-07-30
Cerro Moro	ELMO	Venezuela	8.0131N	71.7169W	2100	From 1984-01-01
Cerron	CERV	Venezuela	10.3112N	70.6742W	1730	
Cerronegro	CEN	San Juan,Argentina	31.5758S	68.7542W	900	
Cerro Negro	ECEN	Ecuador	0.8238N	77.9713W	4230	From 1992-03-29
Cerro Negro	CENE	Venezuela	7.7639N	71.3228W	400	From 1984-01-01
Cerro Negro	CNGN	Nicaragua	12.5000N	86.6985W	515	
Cerro Pandura	CPDB	Puerto Rico	18.0600N	65.8600W	370	
Cerro Paranal	CPN1	Antofagasta,Chile	24.6259S	70.4040W	2600	From 2003-03-16
Cerro Prieto	CPBX	Baja California,Mexico	32.4178N	115.3040W	180	From 1981-10-02
Cerro San Cristobal	SCRT	Spain	36.6350N	6.1750W	73	
Cerro Toribio	GTV	Venezuela	7.6083N	63.1017W	380	
Cerro Valdivia	RTCV	San Juan,Argentina	31.8617S	68.5412W	734	
Cerro Valdivia	VAA	San Juan,Argentina	31.8617S	68.5412W	734	
Cerro Villicun	RTLL	San Juan,Argentina	31.3286S	68.4758W	720	
Cervenica-Dubnik	CRVS	Slovakia	48.9022N	21.4614E	476	
Cesaproba (Montereale)	RM10	Italy	42.5090N	13.1864E	951	From 2009-04-07 to 2010-02-15
Cescau	CESL	Aquitaine,France	43.4019N	0.5319W	220	
Cesi	CESX	Italy	42.6100N	12.5800E	380	From 2008-07-18
CESI - Serravalle di Chienti	CESI	Italy	43.0049N	12.9046E	840	From 2007-01-08
Cesta pri Krskem	CESS	Slovenia	45.9734N	15.4631E	382	From 1996-12-01
Ceuta	CEUT	Ceuta,Spain	35.8830N	5.3263W	100	
Ceuta	ECEU	Spain	35.8978N	5.3768W	278	From 2007-04-11
Ceuta	CEU	Spain	35.8987N	5.3731W	0	
Cevo	CEME	Montenegro	42.5467N	18.9177E	799	From 2010-11-01
Ceyhan	CEYT	Turkey	37.0100N	35.7480E	100	
Chabahar	CHBR	Iran	25.5950N	60.4820E	125	From 2009-10-23

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Chacachacare	TCE	Trinidad and Tobago	10.6970N	61.7530W	240	
Chacarita	CCR	Buenos Aires,Argentina	34.5833S	58.4667W		
Cha da Macela	CML	Azores,Portugal	37.7708N	25.5459W	291	From 1981-01-01
Cha da Macela	CMLA	Azores,Portugal	37.7637N	25.5243W	332	
Chadas Angostura	CHCH	Santiago,Chile	33.9333S	70.6525W	680	From 1982-01-01
Chaffey Accelerograph	CHAM	New South Wales,Australia	31.3497S	151.1379E	553	
Chaffey Dam	CHFM	New South Wales,Australia	31.3265S	151.1164E	580	
Chagan-Uzun	CUR	Altayskiy Kray,Russia	50.1000N	88.3500E	1500	
Chagda	CGD	Sakha,Russia	58.7500N	130.6167E	178	
Chaguaramas	TCHG	Trinidad and Tobago	10.6800N	61.6600W	21	From 2004-07-03
Chagyl	CAGT	Turkmenistan	40.7820N	55.3860E	144	
Chaix Hills	CHX	Alaska,U.S.A.	60.0630N	141.1170W	1067	From 1974-09-04
Chakachamna Lake	CKL	Alaska,U.S.A.	61.1965N	152.3380W	1265	From 1989-01-01
Chakachatna North	CKN	Alaska,U.S.A.	61.2240N	152.1810W	735	From 1991-08-19
Chakrata	CKA	Himachal Pradesh,India	30.7187N	77.8659E	1990	From 2007-05-01
Chala	CLA	Peru	15.8603S	74.2433W	32	
Chala	CHAG	Georgia	42.7279N	42.0265E	305	From 1973-01-01
Chalampe	CHAF	Alsace,France	47.8122N	7.5403E	-285	
Chalhuanca	PP08	Peru	14.2883S	73.2447W	3000	
Chalk River	CKO	Ontario,Canada	45.9944N	77.4500W	191	From 1981-01-12
Chalk River	CRLO	Ontario,Canada	46.0375N	77.3801W	168	
Chalk Rock	KCRM	California,U.S.A.	40.4263N	123.8190W	896	
Challavanipeta	CHLP	Andhra Pradesh,India	18.5058N	84.0573E	55	From 2008-09-01
Challis	CL-	Idaho,U.S.A.	44.4911N	114.3417W	2256	From 1966-05-23 to 1966-05-24
Challis	CL-ID	Idaho,U.S.A.	44.4911N	114.3417W	2256	From 1966-05-23 to 1966-05-24
Challis	H13A	Idaho,U.S.A.	44.5642N	114.2545W	1563	From 2006-12-30 to 2009-05-22
Chama	CNM	New Mexico,U.S.A.	36.9167N	106.5690W		
Chamberlain	HCBM	California,U.S.A.	36.9313N	121.6600W	219	From 1969-01-01
Chamberlain	CBC	California,U.S.A.	36.9313N	121.6600W	219	From 1969-01-01
Chamberlain Mountain	CHMT	Montana,U.S.A.	46.9143N	113.2520W	2077	
Chamberlain Ridge	GCBM	California,U.S.A.	39.3838N	123.5210W	560	
Chambon-Foret	CLF	Centre,France	48.0167N	2.2667E		
Chamela	CJM	Jalisco,Mexico	19.4990N	105.0430W	129	
Cham-Katzbach	CHKA	Bayern,Germany	49.2410N	12.6498E	276	From 2004-06-01
Champ du Feu	CDF	Alsace,France	48.4122N	7.2761E	1068	From 1972-11-22
Champorcher	CIRO	Italy	45.6019N	7.5682E	2516	From 2009-11-07
Chanaral	CAA	Atacama,Chile	26.3303S	70.6139W	2	From 1977-01-01
Chanarkot	CKP	Pakistan	34.0227N	72.7733E	1195	
Chanca	CNCB	Bolivia	16.8127S	67.9821W	4325	From 1982-01-01
Chanco	CNCO	Maule,Chile	35.7349S	72.5330W	50	From 2004-11-17
Changalane	CNG	Mozambique	26.2917S	32.1883E	100	From 1961-01-01
Changchun	HSK	Jilin,China	43.9167N	125.3000E	250	
Changchun	CNH	Jilin,China	43.8292N	125.3130E	236	From 1976-10-15 to 1999-08-25
Changchun	CN2	Jilin,China	43.8014N	125.4480E	230	From 1976-10-15
Changhua City	WCH	Taiwan region	24.0820N	120.5570E	17	From 1999-08-04
CHANGNYEONG	KSCHR	South Korea	35.5440N	128.4907E	105	From 2006-12-30
Changuinola	CNI	Panama	9.4167N	82.5168W	20	From 1993-04-18
Changyeh	CYEH	Gansu,China	38.9333N	100.5833E	0	From 1955-01-01
Chania	CHAN	Crete,Greece	35.5192N	24.0425E	34	From 2006-12-01
Chanki	CHKI	Nagaland,India	26.4292N	94.3983E	950	
Channel	CHNM	Missouri,U.S.A.	36.0419N	89.9286W	74	
Channing	V28A	Texas,U.S.A.	35.7505N	102.2243W	1163	From 2009-01-17
Chantaburi	CHAT	Thailand	12.5167N	102.1667E	22	From 1996-05-01
Chapadao Do Sul	CDSB	Mato Grosso	18.7655S	52.8393W	750	
Chaparral, Anthony	223A	New Mexico,U.S.A.	32.0062N	106.4276W	1232	From 2008-03-28 to 2010-01-16
Chaparral WMA, Artesia Wells	833A	Texas,U.S.A.	28.3236N	99.3939W	171	From 2009-12-04
Chapelcross	BCC1	Scotland,United Kingdom	55.0153N	3.2201W	138	From 1992-01-01
Chapel Hill	CEH	North Carolina,U.S.A.	35.8908N	79.0928W	152	From 1975-08-01 to 2004-03-05
Chapel Hill	CHC	North Carolina,U.S.A.	35.9028N	79.0506W	149	From 1953-01-01 to 1970-12-31
Chaplin	CPL	Connecticut,U.S.A.	41.7890N	72.1072W	161	From 1972-01-19 to 1974-07-23
Chapri	CPA	Pakistan	32.9805N	71.4237E	335	
Chaqaral	CRCH	Atacama,Chile	26.3455S	70.6214W	10	From 2004-07-30
Chara	CRS	Irkutskaya Oblast',Russia	56.9000N	118.2689E	700	
Charan	CHTH	Iran	35.9080N	51.1260E	2250	From 2005-10-01
Charjew	CHDS	Turkmenistan	39.0750N	63.5930E	190	
Charlesbourg	CHQ	Quebec,Canada	46.8897N	71.3000W	145	From 1971-11-11 to 1982-07-04
Charleston	CHRM	Missouri,U.S.A.	36.8515N	89.3621W	93	
Charleston Southern University	CSU	South Carolina,U.S.A.	32.9860N	80.0707W		
Charley	NYC	Nevada,U.S.A.	37.1550N	116.1550W	1695	From 1971-01-01 to 1973-01-31
Charlottesville	CVVA	Virginia,U.S.A.	38.0218N	78.5321W	159	
Charlottesville	CVV	Virginia,U.S.A.	37.9814N	78.4608W	167	From 1978-07-01
Charlottesville	CLT	Virginia,U.S.A.	38.0333N	78.5167W	150	From 1973-01-01 to 1973-12-31
Charlottesville	CTV	Virginia,U.S.A.	38.0326N	78.5228W	264	From 1973-07-04 to 1974-01-31
Charlottesville	CVL	Virginia,U.S.A.	37.9814N	78.4608W	167	From 1978-07-01
Charly	CHAR	Ecuador	0.0867S	77.6708W	3315	From 2005-06-17
Charmoille	CHMF	Franche Comte	47.2483N	6.6517E	854	From 2010-12-01
Charnwood Forest	CWF	England,United Kingdom	52.7383N	1.3072W	186	From 1974-10-18
Charter Oak	COKM	Missouri,U.S.A.	36.7101N	89.7262W	87	
Charters Towers	CTA	Queensland,Australia	20.0883S	146.2540E	357	From 1957-09-15
Charters Towers	CTAO	Queensland,Australia	20.0883S	146.2540E	357	From 1976-10-09
Chase Mountain	VCMM	Oregon,U.S.A.	42.0955N	121.9890W	1889	
Chase Ranch	HCRM	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chase Ranch	CSR	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chase Ranch	AN6*	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chateau	CNZ	North Island,New Zealand	39.2000S	175.5480E	1116	From 1961-01-01
Chateau Observatory	COVZ	North Island,New Zealand	39.1999S	175.5424E	1089	From 2009-11-01
CHATHAM INFRASONIC ARRAY REFERENCE POINT	IS6	Chatham Islands	43.9166S	176.4834W	14	From 2004-11-09
Chatham Island	CTZ	Chatham Islands,New Zealand	43.7355S	176.6172W	99	From 2007-12-18
Chatham Islands	CIZ	Chatham Islands,New Zealand	43.9550S	176.5660W	45	From 1932-08-01 to 2003-08-15
Chatra	CHA	Nepal	26.8333N	87.1667E	161	
Chats Falls	CFO	Ontario,Canada	45.4692N	76.2292W	70	From 1977-10-06 to 1979-02-16
Chaudanne	CHDN	Provence-Cote d'Azur,France	43.8481N	6.5408E	740	From 1993-09-01
Chaumont	CHAU	New York,U.S.A.	44.1375N	76.1742W	102	
CHBT	CHBT	Thailand	12.7526N	102.3300E	4	From 2008-10-22
Cheb	CHE	Czech Republic	50.0794N	12.3761E	430	
Cheddleton UK	CHDUK	England,United Kingdom	53.0675N	2.0425W	151	From 2010-03-24
Cheisacher	SULZ	Switzerland	47.5275N	8.1115E	670	From 2000-08-29
Chekchek	ICHK	Iran	32.2442N	54.4073E	2030	From 1998-10-01
Chekok	CKK	Alaska,U.S.A.	59.9597N	154.2330W	732	From 1972-07-29 to 1978-09-09
Chelan Butte	CBW	Washington,U.S.A.	47.8071N	120.0330W	1160	
Chelan Butte South	CBSW	Washington,U.S.A.	47.8046N	120.0410W	1073	From 1987-01-01
Cheltenham	CLH	Maryland,U.S.A.	38.7347N	76.8458W		From 1904-11-01 to 1928-12-31
Chemainus	AHCB	British Columbia,Canada	48.9325N	123.7373W	0	From 2004-04-17
Chemehuevi Mountains	CMH	California,U.S.A.	34.5530N	114.5720W	940	From 1975-02-01
Chengdu	CNU	Sichuan,China	30.6603N	104.0110E	506	
Chengdu	CDU	Sichuan,China	30.6603N	104.0110E	506	
Chengdu	CD2	Sichuan,China	30.9100N	103.7580E	628	
Chengkung	CHKT	Taiwan region	23.0992N	121.3654E	33	
Chenhua	TWY	Taiwan region	25.2758N	121.5996E	20	From 1975-01-10
Chennai	MDRS	Tamil Nadu,India	13.0680N	80.2463E	15	
Cheonan	KSCEA	South Korea	36.8231N	127.2575E	179	From 2004-12-10
CHEONGJU	KSCEJ	South Korea	36.6351N	127.4390E	57	From 2000-11-21
CHEONGSONG	KSCHS	South Korea	36.3919N	129.0794E	247	From 2006-12-30
Cheorwon	KSCHW	South Korea	38.1404N	127.3038E	154	From 2000-01-20 to 2002-11-28
Cheorwon	KSCWO	South Korea	38.0833N	127.5167E	351	From 2003-11-30
Chepes	ACHE	La Rioja,Argentina	31.1661S	66.6637W	1448	
Chera	ECHE	Spain	39.5908N	0.9678W	643	From 1986-11-01
Cherat	CEP	Pakistan	33.8235N	71.9090E	1376	
Cheremushki	CERR	Khakassia,Russia	52.8539N	91.4150E	400	
Chernabura Island	CNBA	Alaska,U.S.A.	54.8200N	159.5887W	94	From 1993-06-01
Chernivtsi	CHRU	Ukraine	48.2975N	25.9217E	240	From 1992-09-01
Chernovtsy	CRA	Ukraine	48.2833N	25.9333E	242	
Chernovtsy (B)	CRB	Ukraine	48.3000N	25.9333E		
Cherry Point	CPC	North Carolina,U.S.A.	34.9000N	76.8833W		From 1950-01-01 to 1956-12-31
Cherskiy	CES	Magadanskaya Oblast',Russia	68.7000N	161.2000E		
Chesbro Res.	JCBM	California,U.S.A.	37.1118N	121.6890W	192	From 1967-08-24
Chesbro Res. 1	CB1	California,U.S.A.	37.1638N	121.6258W		
Chesbro Res. 3	CB3	California,U.S.A.	37.2577N	121.6725W		
Chesbro Res. 4	CB4	California,U.S.A.	37.3493N	121.5327W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Chesbro Res. 5	CB5	California,U.S.A.	37.2852N	121.7725W		
Chesbro Res. 6	CB6	California,U.S.A.	37.4513N	121.7990W	240	
Chesbro Res. 8	CB8	California,U.S.A.	37.1588N	121.8470W	280	
Chesbro Reservoir	CBO	California,U.S.A.	37.1118N	121.6890W	192	From 1967-08-24
Cheshme madani	CHMN	Iran	29.8608N	57.5396E	2923	From 2010-05-05
Chester	O04C	California,U.S.A.	40.3200N	121.0860W	1513	From 2005-05-25 to 2007-11-27
Chesterland	CCHE	Ohio,U.S.A.	41.5612N	81.3620W	365	
Chestnut Mountain	CMGA	Georgia,U.S.A.	34.6290N	85.0340W	478	
Cheticamp, Nova Scotia	CHEG	Nova Scotia,Canada	46.8084N	60.6745W	446	From 2005-10-19
Chet-Su	CHET	Uzbekistan	41.0600N	70.2400E	1136	
Chetwynd	CTC	British Columbia,Canada	55.6417N	121.7500W		From 1967-12-01 to 1973-04-06
Cheung Chau	CCHK	Hong Kong,China	22.2013N	114.0267E	73	
Chews Ridge	BCWM	California,U.S.A.	36.3067N	121.5660W	1518	
Cheyenne	CY-WY	Wyoming,U.S.A.	41.4167N	104.8600W	1920	From 1962-07-06 to 1962-07-11
Cheyenne	CY-	Wyoming,U.S.A.	41.4167N	104.8600W	1920	From 1962-07-06 to 1962-07-11
Cheyenne	M24A	Wyoming,U.S.A.	41.4676N	104.8248W	1816	From 2008-07-14
Chiang Mai	CHG	Thailand	18.8138N	98.9438E	416	From 1963-03-01
Chiang Mai	CMMT	Thailand	18.8128N	98.9480E	399	From 2008-12-01
Chiang Mai	CHTO	Thailand	18.8138N	98.9438E	316	From 1977-06-01
Chiang Mai Array Beam Reference Point	CMAR	Thailand	18.4575N	98.9429E	307	
Chiang Mai Array Site 1	CM01	Thailand	18.4205N	98.9588E	292	
Chiang Mai Array Site 10	CM10	Thailand	18.4298N	99.0019E	341	
Chiang Mai Array Site 11	CM11	Thailand	18.3756N	98.9604E	320	
Chiang Mai Array Site 12	CM12	Thailand	18.4061N	98.9254E	330	
Chiang Mai Array Site 13	CM13	Thailand	18.4211N	98.9069E	303	
Chiang Mai Array Site 14	CM14	Thailand	18.4361N	98.9136E	322	
Chiang Mai Array Site 15	CM15	Thailand	18.4524N	98.9245E	324	
Chiang Mai Array Site 16	CM16	Thailand	18.4575N	98.9429E	358	
Chiang Mai Array Site 17	CM17	Thailand	18.4577N	98.9624E	325	
Chiang Mai Array Site 18	CM18	Thailand	18.4610N	98.9830E	314	
Chiang Mai Array Site 2	CM02	Thailand	18.4344N	98.9466E	305	
Chiang Mai Array Site 3	CM03	Thailand	18.4263N	98.9762E	304	
Chiang Mai Array Site 31	CM31	Thailand	18.4575N	98.9429E	306	
Chiang Mai Array Site 32	CM32	Thailand	18.6533N	98.8469E	292	
Chiang Mai Array Site 33	CM33	Thailand	18.8177N	98.9466E	358	
Chiang Mai Array Site 34	CM34	Thailand	18.8511N	99.1498E	315	
Chiang Mai Array Site 35	CM35	Thailand	18.6781N	99.1539E	283	
Chiang Mai Array Site 36	CM36	Thailand	18.5182N	99.0954E	310	
Chiang Mai Array Site 4	CM04	Thailand	18.3997N	98.9789E	336	
Chiang Mai Array Site 5	CM05	Thailand	18.4013N	98.9451E	336	
Chiang Mai Array Site 6	CM06	Thailand	18.4156N	98.9406E	332	
Chiang Mai Array Site 7	CM07	Thailand	18.4337N	98.9304E	302	
Chiang Mai Array Site 8	CM08	Thailand	18.4453N	98.9577E	295	
Chiang Mai Array Site 9	CM09	Thailand	18.4439N	98.9908E	345	
Chiangrai	CHRT	Thailand	19.8709N	99.7827E		From 1996-07-01
Chiapa de Corzo	CZC	Chiapas,Mexico	16.7120N	93.0200W	418	
Chiapas	SIPM	Chiapas,Mexico	17.2230N	93.1570W		
Chiapas	ARL	Chiapas,Mexico	17.4120N	93.1180W		
Chiapas	TANM	Chiapas,Mexico	16.9190N	93.1150W		
Chiapas	LIBM	Chiapas,Mexico	17.2940N	93.0120W		
Chiapas	VGP	Chiapas,Mexico	17.3572N	93.6140W		
Chiapas	MARM	Chiapas,Mexico	17.2180N	92.6930W		
Chiapas	UJZ	Chiapas,Mexico	15.0750N	92.0833W		
Chiapas	ZZA	Chiapas,Mexico	15.1333N	92.3167W		
Chiapas	PAY	Chiapas,Mexico	17.4717N	93.4913W		
Chiapas	BJU	Chiapas,Mexico	16.8768N	93.1791W		
Chiapas	PENM	Chiapas,Mexico	17.4360N	93.5280W		
Chiapas	PORM	Chiapas,Mexico	17.1790N	93.3950W		
Chiautla de Tapia	CHPM	Puebla,Mexico	18.2986N	98.6132W	1030	
Chiavari	CHV	Italy	44.3153N	9.3236E		
Chiawan	TWD	Taiwan region	24.0800N	121.5960E	30	From 1972-09-25
Chiayi	CHY	Taiwan region	23.4977N	120.4240E	27	
Chibit, Altay Republic, Russia	CHBI	Altayskiy Kray	50.3132N	87.5034E	1164	From 2003-08-12
Chibougamau	CHGQ	Quebec,Canada	49.9105N	74.3748W	405	From 2007-10-11
Chicago	CGI	Illinois,U.S.A.	41.9800N	87.7183W		
Chicago	CHK	Illinois,U.S.A.	41.7889N	87.5992W	180	From 1918-01-01 to 1967-12-31
Chicago-Loyola	CHI	Illinois,U.S.A.	41.9000N	87.6333W	183	From 1912-09-01
Chichaoua	CIA	Morocco	31.5650N	8.7590W	473	
Chichibu	CHJ	Saitama,Japan	35.9917N	139.0820E	219	
Chichibu	CHJJ	Saitama,Japan	36.0483N	138.9950E	187	From 1978-01-01
Chichi jima	CBI	Bonin Islands,Japan	27.0897N	142.1883E	3	From 1975-01-01
Chichi jima	CBIJ	Bonin Islands,Japan	27.0957N	142.1845E	145	
Chichinautzin	CHVM	Mexico D.F.,Mexico	19.0873N	99.1473W	3213	
Chichi shima	TTZ	Bonin Islands,Japan	27.0833N	142.1830E		
Chiclayo	CHP8	Peru	6.7650S	79.8650W	60	From 1982-08-01
Chico	CCO	California,U.S.A.	39.0642N	121.0090W	60	From 1972-02-23
Chicoasen	CSN	Chiapas,Mexico	16.9690N	93.1080W	320	
Chicoasen 1	CR1	Chiapas,Mexico	17.0453N	93.1152W	1200	
Chicoasen 2	CR2	Chiapas,Mexico	16.8850N	92.9580W	1743	
Chicoasen 3	CR3	Chiapas,Mexico	16.8143N	92.9547W	1200	
Chicoasen 4	CR4	Chiapas,Mexico	16.7172N	93.0748W	900	
Chicoasen 5	CR5	Chiapas,Mexico	16.8168N	93.1188W	1300	
Chicoasen 6	CR6	Chiapas,Mexico	16.9582N	93.2260W	1700	
Chicoasen 7	CR7	Chiapas,Mexico	17.2330N	93.1700W	1750	
Chicoutimi	CIQ	Quebec,Canada	48.2723N	70.7908W	273	
Chicoutimi-Nord	CHIQ	Quebec,Canada	48.4900N	71.0100W	0	From 1984-09-21
Chidliak Camp Nunavut	CDKN	Northwest Territories,Canada	64.2348N	66.3440W	65	From 2009-08-20
Chignik	CHGN	Alaska,U.S.A.	56.3014N	158.4141W	16	
Chigu Township	TSCK	Taiwan region	23.1470N	120.0860E	13	From 2002-11-06
Chihuahua	CHH	Chihuahua,Mexico	28.6367N	106.0783W	1430	
Chihuahua	CHIX	Baja California,Mexico	32.4867N	115.2418W	15	From 1987-02-01
Chijiwa	CJA	Nagasaki,Japan	32.7842N	130.2106E	88	
Chilao Flats	CFL	California,U.S.A.	34.3330N	118.0239W	1560	
Chilao Flat Sta	CHFC	California,U.S.A.	34.3334N	118.0259W	1594	
Chilbolton	CLB	England,United Kingdom	51.1436N	1.4328W	80	From 1976-05-01 to 1999-08-25
Childara	CHLD	Tajikistan	38.7700N	70.3000E	1700	
Childress 1	CEC	Texas,U.S.A.	34.5720N	100.3260W	548	
Childress 2	CNE	Texas,U.S.A.	34.5838N	100.3100W	555	
Childress 3	CNO	Texas,U.S.A.	34.5780N	100.3350W	562	
Childress 4	CNW	Texas,U.S.A.	34.5917N	100.3600W	540	
Childress 5	CSE	Texas,U.S.A.	34.5558N	100.3310W	521	
Childress 6	CSW	Texas,U.S.A.	34.5570N	100.3480W	546	
Childress 7	CWT	Texas,U.S.A.	34.5703N	100.3440W	549	
Childs Glacier	CSG	Alaska,U.S.A.	60.6610N	144.8550W	678	From 1984-01-01
Chilecito	CCT	La Rioja,Argentina	29.1667S	67.5000W		
Chileka	CLK	Malawi	15.6800S	34.9767E	781	
Chilgok	KSCIG	South Korea	36.0386N	128.3832E	0	From 2007-12-17
Chilik	CHL	Kazakhstan	43.5270N	78.3740E	760	
Chillagoe	CHIL	Queensland,Australia	17.1505S	144.5306E	423	
Chillan	CCHI	Bio-Bio,Chile	36.6025S	72.0769W	123	
Chilliwack	A06A	British Columbia,Canada	49.0983N	121.4804W	576	From 2006-10-18 to 2008-05-21
Chilquin	K04A	Oregon,U.S.A.	42.6133N	121.7307W	1305	From 2006-05-23 to 2007-10-27
Chimachoy	CIM	Guatemala	14.5838N	90.8667W	2450	From 1975-03-01 to 1999-08-25
Chimborazo	CHI1	Ecuador	1.4187S	78.8148W	4440	From 1992-02-13 to 2002-07-01
Chimborazo	CHIM	Ecuador	1.4203S	78.8614W	4100	From 1990-01-01 to 1991-12-31
Chimborazo Volcano	PORT	Ecuador	1.4633S	78.7732W	4469	From 2007-03-22
Chimeneas	EXCH	Spain	37.1320N	3.8240W	717	
Chimeneas	ACHM	Spain	37.1050N	3.8297W	862	
Chimkent	TCH	Kazakhstan	42.3190N	69.6030E		
Chimkent	CHM	Kazakhstan	42.3190N	69.6030E	512	
Chimney Peak	WCHM	California,U.S.A.	35.8830N	118.0750W	2475	
China Gardens	WCGM	California,U.S.A.	36.1900N	117.6240W	1689	From 1975-09-26
China Gardens South	CGSM	California,U.S.A.	36.1900N	117.6240W	1689	From 1975-09-26
China Grove, San Antonio	634A	Texas,U.S.A.	29.3815N	98.3515W	188	From 2009-12-06
China Lake	CLC	California,U.S.A.	35.8158N	117.5975W	775	From 1949-07-08
China Lake	GPO	California,U.S.A.	35.6494N	117.6619W	705	
China Lake Receiver Site	WCXM	California,U.S.A.	35.7116N	117.5945W	654	
Chinandega	CHIN	Nicaragua	12.6430N	87.0270W	300	
China Poot	CNPM	Alaska,U.S.A.	59.5258N	151.2360W	564	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Chinchina	CHN	Colombia	4.9667N	75.6167W	1360	From 1949-08-01
Chingaza	CHIC	Colombia	4.6330N	73.7306W	3102	From 1994-01-01
Chingoma	CHGM	Mozambique	16.8531S	36.8383E	247	From 2010-05-25
Chin-men Tao	KNMB	Taiwan region	24.4638N	118.3884E	43	
Chino	CHNC	California,U.S.A.	33.9988N	117.6804W	208	
Chio	CHIO	Canary Islands,Spain	28.2398N	16.8162W	432	From 2004-05-27
Chios island	CHOS	Greece	38.3868N	26.0550E	842	From 2006-03-29
Chirah Chowk	CHCP	Pakistan	33.6583N	73.2638E	579	
Chiredzi	CIR	Zimbabwe	21.0133S	31.5800E	430	
Chirikof Island	CHIR	Alaska,U.S.A.	55.8225N	155.6205W	234	
Chirikof Island	CHIA	Alaska,U.S.A.	55.8378N	155.5797W	250	
Chiripa	AR6	Costa Rica	10.4458N	84.9098W	1010	
Chiripa	CHPA	Costa Rica	10.4430N	84.9077W	1059	From 2000-01-01
Chironico	CHIR1	Switzerland	46.4198N	8.8330E	800	From 2005-12-15
Chisagues Bielsa	ECHI	Spain	42.6638N	0.1906E	1434	From 2010-12-09
Chita	CHTJ	Aichi,Japan	34.7303N	136.9066E	40	
Chita	CIT	Chitinskaya Oblast',Russia	52.0211N	113.5519E	790	From 1970-01-01
CHITILA	GSMB	Romania	44.4813N	26.0273E	85	From 2008-10-30
Chitina Glacier	CTGM	Alaska,U.S.A.	60.9650N	141.3330W	1554	From 1979-09-05
Chittagong	CHT	Bangladesh	22.3500N	91.8167E	35	
Chitwood Farm, Usk	B10A	Washington,U.S.A.	48.2995N	117.2252W	585	From 2006-08-30 to 2008-06-11
Chize	CHIF	France	46.1330N	0.4080W	62	
Chizu	CZT	Tottori,Japan	35.2695N	134.2936E	300	
Chkalov	CKLZ	Armenia	40.9350N	44.6510E	1410	
Chkalova array site	CHK7	Kazakhstan	53.6539N	70.5869E	147	From 1995-08-11
Chkalova array site	CHK8	Kazakhstan	53.6796N	70.5731E	140	From 1995-08-11
Chkalova array site	CHK6	Kazakhstan	53.6509N	70.6324E	148	From 1995-08-11
Chkalova array site	CHK9	Kazakhstan	53.6975N	70.6002E	132	From 1995-08-11
Chkalova array site	CHK5	Kazakhstan	53.6716N	70.6592E	136	From 1995-08-11
Chkalova array site	CHK4	Kazakhstan	53.6952N	70.6431E	131	From 1995-08-11
Chkalovo	CHKZ	Kazakhstan	53.6761N	70.6153E	123	From 1994-07-23
Ch'k'valeri	CHVG	Georgia	42.7183N	42.0841E	390	
CHN6	CHN6	Taiwan region	23.7352N	120.3953E	22	From 1994-01-25 to 1997-09-30
Chocan	CHP3	Peru	5.1800S	80.9619W	200	From 1979-12-01
Chocolate Mountain	CH2	California,U.S.A.	33.2962N	115.3360W	347	From 1977-12-01 to 2008-07-06
Chocolate Mountains	COT	California,U.S.A.	33.3052N	115.3530W	294	From 1973-04-16 to 2002-12-20
Choctaw High	OK006	Oklahoma,U.S.A.	35.4780N	97.2787W	358	
Cholame Creek	CCRB	California,U.S.A.	35.9572N	120.5515W	350	
Cholame Valley	CVC	California,U.S.A.	35.8242N	120.3510W		
Choma	CHMZ	Zambia	16.8333S	27.0667E	1278	From 1987-01-01
Chonco	CNR	Nicaragua	12.6725N	87.0722W	240	From 1975-01-01
Choranche	OG13	Rhone-Alpes,France	45.0733N	5.3995E	560	From 1989-08-11
Chor-Sady	CSD	Tajikistan	38.8500N	69.7800E		
Chorzow	CHZ	Poland	50.2925N	18.9917E	316	From 1960-01-01
Chorzow	CHZP	Poland	50.2910N	18.9920E	312	From 2009-11-11
Choshi	COJ	Chiba,Japan	35.7022N	140.8550E	-42	
Chosi	CHO	Chiba,Japan	35.7250N	140.8433E	27	
Chosi	CHOJ	Chiba,Japan	35.7027N	140.8587E	62	From 1986-11-08
Chosi	CHO1	Chiba,Japan	35.7367N	140.8617E	28	From 1986-08-22 to 1986-11-08
Chowiet Island	CHW	Alaska,U.S.A.	56.0333N	156.7120W	160	From 1974-01-01
Choya	CYA	Catamarca,Argentina	28.4417S	65.8020W	570	From 1971-02-01
Chr Bro Hi School	CBHT	Tennessee,U.S.A.	35.1326N	89.8657W	79	
Chr Cany lake	CCCA	California,U.S.A.	35.5249N	117.3645W	670	
Chrisman Ranch, Davenport	C09A	Washington,U.S.A.	47.8006N	118.2741W	495	From 2006-09-19 to 2009-01-08
Christchurch	CHR	South Island,New Zealand	43.5328S	172.6270E	8	From 1902-01-01 to 2003-09-09
Christianburg	CBT	Tennessee,U.S.A.	35.5394N	84.4206W	357	
Christmas Canyon	XMS	California,U.S.A.	35.5233N	117.3550W	704	
Christmas Creek	CKR	Alaska,U.S.A.	64.6680N	160.5305W	671	
Christmas Island	XMI	Christmas Island	10.4495S	105.6895E	277	From 1976-09-27
Christmas Island	XMIS	Christmas Island	10.4807S	105.6519E	243	From 2005-08-16
Christmas Valley	J06A	Oregon,U.S.A.	43.2515N	120.1528W	1407	From 2006-01-31 to 2008-04-10
Chrome Mountain	CRMT	Montana,U.S.A.	45.4558N	110.1402W	2941	
Chua Tram	CTVN	Vietnam	20.9382N	105.6888E	50	
Chuberi	CBRG	Georgia	43.0617N	42.1768E	1148	From 1968-01-01
Chuchupate	CHP	California,U.S.A.	34.8083N	119.0120W	1590	From 1952-01-01 to 1952-11-30
Chudeng	CHUD	Xizang Zizhiqu,China	29.6981N	91.1361E	3771	From 2005-03-28
Chuian-Garon	CGT	Tajikistan	38.6500N	69.1500E		
Chulitna	CUT	Alaska,U.S.A.	62.4047N	150.2690W	168	From 1986-07-18
Chul'man	CLNS	Sakha,Russia	56.8369N	124.8931E	704	
Chumysh	CHMS	Kazakhstan	42.9986N	74.7513E	655	
Chuncheon	KSCHC	South Korea	37.7776N	127.8145E	241	
Chungju	KSCHJ	South Korea	36.8729N	127.9748E	219	
Chupsang	CHUS	Xizang Zizhiqu,China	29.9970N	90.7462E	4113	From 2005-08-25
Chupungnyeong	KSCPN	South Korea	36.2169N	127.9913E	242	From 2000-02-24
CHUPUNGNYEONG	KSCPR	South Korea	36.2210N	127.9719E	284	From 2006-12-30
Chur	CHU	Switzerland	46.8499N	9.5367E	630	
Church	CHB	Alaska,U.S.A.	64.2577N	149.1700W	196	
Church Bay	WCB1	Wales,United Kingdom	53.3782N	4.5467W	139	From 1985-01-01
Church Hills	CHTN	Tennessee,U.S.A.	36.5847N	82.7200W	558	From 1983-02-10 to 1986-01-09
Churchill	CH-MT	Manitoba,Canada	58.6069N	93.8167W	38	From 1965-10-22 to 1965-11-09
Churchill	CH-	Manitoba,Canada	58.6069N	93.8167W	38	From 1965-10-22 to 1965-11-09
Churui	JCH	Tokachi,Japan	42.6143N	143.3623E	120	
Chusal	CHS	Tajikistan	39.1000N	70.7667E	1670	
Chushkaly	CHKK	Kazakhstan	43.8700N	77.0001E	510	
Chutung	TWR	Taiwan region	24.6401N	121.0786E	760	From 1974-02-11
Chvalec	CHVC	Czech Republic	50.5881N	16.0547E	598	From 2009-05-20
Chylin	CYP	Poland	51.2933N	23.3000E	100	From 1976-01-01 to 1991-12-31
Cibinong	CNJI	Jawa,Indonesia	7.3090S	107.1296E	0	From 2007-12-01
Cibinong	KMSI	Sulawesi,Indonesia	0.5745N	123.9807E	0	From 2007-12-01
Cibinong	CGJI	Jawa,Indonesia	6.6135S	105.6929E	0	From 2007-12-01
Cicekdag	CDAG	Turkey	39.6236N	34.3719E	1136	From 2005-03-23
Cicese	CCX	California,U.S.A.	31.8683N	116.6633W	30	
Cienega Rd	AN14*	California,U.S.A.	36.7092N	121.3430W	305	From 1969-05-29
Cienega Road	BCGM	California,U.S.A.	36.7092N	121.3430W	305	From 1969-05-29
Cihanbeyli	CHBY	Turkey	38.5823N	32.8901E	1086	From 2010-06-29
Cilcuayo	CIVM	Mexico D.F.,Mexico	19.1032N	98.9858W	3530	
Cilicap	CLJI	Jawa,Indonesia	7.7187S	109.0150E	46	From 2005-01-01
Cilov Adasi	ZHI	Azerbaijan	40.3250N	50.5900E	-24	From 1968-01-01
Cima Grappa	CGRP	Italy	45.8800N	11.8000E	1757	
Cimarron	R21A	Colorado,U.S.A.	38.3685N	107.5501W	2260	From 2007-11-14 to 2010-02-07
Cimerak	CMJI	Jawa,Indonesia	7.7837S	108.4485E	0	From 2007-12-01
Cimolais	CIMO	Italy	46.3100N	12.4400E	610	
Cinarcik-Koru-Yalova	SBT1	Turkey	40.7056N	29.1491E	-1260	From 2010-12-31
Cincinnati	CNN	Ohio,U.S.A.	39.1450N	84.4967W	203	From 1927-01-01 to 1963-12-31
Cine	CIN	Turkey	37.6000N	28.0867E	120	From 1956-06-01
Cingoli	CING	Italy	43.3756N	13.1954E	626	From 2003-11-19
Ciorogarla	CIOR	Romania	44.4489N	25.8799E	138	From 2003-11-02
Cipolletti	CIP	Rio Negro,Argentina	38.9333S	68.1333W		
Cipreses	CICH	O'Higgins,Chile	34.3198S	70.4205W	1200	
Circle Bar Ranch, Crane	J08A	Oregon,U.S.A.	43.3580N	118.4743W	1229	From 2006-06-28 to 2009-01-08
Circle Bar Ranch, Sunflower	Y16A	Arizona,U.S.A.	33.8798N	111.4783W	1068	From 2007-03-21 to 2008-12-02
Circle Diamond K Ranch, Victoria	736A	Texas,U.S.A.	28.9550N	97.0673W	45	From 2010-04-18
Circle Dot Ranch, Maxwell	U25A	New Mexico,U.S.A.	36.3998N	104.4081W	1845	From 2008-05-12
Circle Ranch, Eureka	P11A	Nevada,U.S.A.	39.5530N	115.7536W	1787	From 2006-05-28 to 2008-09-09
Circular Butte	CRBI	Idaho,U.S.A.	43.8303N	112.6350W	1543	
Cirque	CRQM	Alaska,U.S.A.	60.7567N	143.1390W	1853	From 1988-07-01
Cisc	CISC	Cuba	20.0020N	75.7710W		
Cisompet, Garut	CISI	Jawa,Indonesia	7.5557S	107.8153E	544	From 2008-07-21
Cisternazza	ECIS	Sicily,Italy	37.8360N	14.9953E	1342	From 1992-10-01
Citeko	CBJI	Jawa,Indonesia	6.4200S	106.8500E	0	
Cittanova	ME10	Italy	38.3029N	16.1953E	728	From 2007-11-21 to 2009-02-05
Citt' di Castello	CDCA	Italy	43.4584N	12.2336E	50	From 2006-07-13
City College NY	CNY	New York,U.S.A.	40.8217N	73.9533W		
Ciudad Altamirano	CDAM	Guerrero,Mexico	18.3500N	100.6500W	300	
Ciudad Guzman	CGX	Jalisco,Mexico	19.6917N	103.5080W	1530	
Ciudad Serdan	IISM	Puebla,Mexico	18.9880N	97.3768W		
Civita di Ruta - Ottati	CDRU	Italy	40.4896N	15.3046E	1057	From 2005-10-13
Civitella Cesi - VT	TO09	Italy	42.1868N	12.0181E	220	From 2009-01-14 to 2009-04-02
Clabaugh Cattle Company, Gillette	H23A	Wyoming,U.S.A.	44.5620N	105.4007W	1213	From 2008-10-18

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Clairette	234A	Texas,U.S.A.	32.0040N	98.1368W	358	From 2009-11-17
Clancy	CMT	Montana,U.S.A.	46.5167N	111.9330W	1402	From 1974-01-01
Clara Peak	CLP	New Mexico,U.S.A.	36.0358N	106.2400W	2591	From 1973-09-01
Clark Canyon Reservoir	CCMT	Montana,U.S.A.	44.9150N	112.8740W	1926	From 1985-07-24 to 1989-08-30
Clarke City	SMQ	Quebec,Canada	50.2225N	66.7028W	344	
Clark Hill Reservoir	IVAG	Georgia,U.S.A.	34.2721N	82.7460W	168	
Clark Hill Reservoir	BEVG	Georgia,U.S.A.	34.0893N	82.7333W	158	
Clark Hill Reservoir	LDVG	Georgia,U.S.A.	34.1478N	82.6833W	162	
Clark Hill Reservoir	CH5	Georgia,U.S.A.	33.7333N	82.3250W	132	From 1975-12-01
Clark Hill Reservoir	CH6	Georgia,U.S.A.	33.8792N	82.5194W	146	From 1975-12-01
Clark State Community College	CSCO	Ohio,U.S.A.	39.8950N	83.7980W	304	
Clarkstown	CLAR	New York,U.S.A.	41.1887N	74.0037W	76	
Clark Valley	GCK	California,U.S.A.	39.5438N	122.4367W	251	
Clausthal	CLZ	Niedersachsen,Germany	51.8416N	10.3724E	680	
Claut1	CLA1	Italy	46.2660N	12.5170E	612	
ClautB	CLAB	Italy	46.2720N	12.5120E	672	
Clavier	BCLA	Belgium	50.4196N	5.3029E	235	From 1991-10-29
Clay Center	CCNE	Nebraska,U.S.A.	40.5037N	97.9367W	529	
Clayton	CT-OK	Oklahoma,U.S.A.	34.4881N	95.1272W	305	From 1962-07-14 to 1962-10-05
Clayton	CT-	Oklahoma,U.S.A.	34.4881N	95.1272W	305	From 1962-07-14 to 1962-10-05
Clayton Basin, Artesia	126A	New Mexico,U.S.A.	32.6462N	104.0204W	1032	From 2008-03-15 to 2010-02-16
Clear Creek Butte	CCB	Alaska,U.S.A.	64.6467N	147.8050W	219	From 1971-02-25
Clear Creek Ranch, Tonopah	Q10A	Nevada,U.S.A.	38.8247N	116.3999W	2027	From 2007-02-05 to 2008-09-13
Clear Mews	CMA	Alaska,U.S.A.	64.2900N	149.1800W	181	From 1964-01-01 to 1974-01-31
Clearmont	H22A	Wyoming,U.S.A.	44.5943N	106.3521W	1276	From 2008-10-09
Cle Elum	D06A	Washington,U.S.A.	47.1935N	120.8445W	575	From 2006-09-12 to 2008-05-12
Clemmons Ranch, Yeso	X25A	New Mexico,U.S.A.	34.5271N	104.6621W	1494	From 2008-04-27
Clermont-Ferrand	CFF	Auvergne,France	45.7630N	3.1112E	400	From 1984-11-01
Clermont-Ferrand	NE16	Auvergne,France	45.7630N	3.1112E	400	From 1984-11-01 to 2001-07-28
Cleve	CLV	South Australia,Australia	33.6911S	136.4960E	238	From 1963-10-01
Cleveland	CLE	Ohio,U.S.A.	41.4888N	81.5321W	328	
Cleveland Dam	CLVB	British Columbia,Canada	49.3817N	123.1447W	427	
Cleveland Museum of Natural History	CLEO	Ohio,U.S.A.	41.5120N	81.6140W	192	
Cliffside	CFM	Montana,U.S.A.	48.2081N	115.4580W	886	From 1971-02-01 to 1974-07-09
Cliffs of the Neuse	CNNC	North Carolina,U.S.A.	35.2393N	77.8901W	29	
Climax Mine	NYM	Nevada,U.S.A.	37.2313N	116.0520W	1603	From 1971-01-01 to 1973-01-31
CLINCENI	CLIR	Romania	44.3784N	25.9414E	88	From 2008-11-06
Clinton	CLIN	New York,U.S.A.	41.8750N	73.8490W	168	From 1978-05-01 to 1983-02-25
Clinton	E14A	Montana,U.S.A.	46.4162N	113.4926W	1675	From 2006-10-12 to 2009-06-12
Clintwood	CI-	Virginia,U.S.A.	37.1936N	82.4158W	549	From 1962-10-15 to 1962-10-27
Clintwood	CI-VA	Virginia,U.S.A.	37.1936N	82.4158W	549	From 1962-10-15 to 1962-10-27
Closani	CLO	Romania	45.0739N	22.8019E	335	From 1982-09-01
Cloverdale	GCVM	California,U.S.A.	38.7697N	123.0140W	150	From 1975-05-07
Clover Valley, Wells	N12A	Nevada,U.S.A.	40.8522N	115.0387W	1786	From 2006-05-10 to 2008-08-09
Cludinico	CLUD	Italy	46.4569N	12.8814E	635	From 2011-02-15
Cluj	CLU	Romania	46.7500N	23.6500E		
Cluj-Napoca	CJR	Romania	46.7133N	23.5981E	750	From 1979-01-01
Cluj-Napoca	CJR1	Romania	46.7661N	23.5514E	345	From 1985-12-01
Clyde	CYZ	South Island,New Zealand	45.1458S	169.3290E	606	From 1984-04-04 to 2003-08-15
Clyde River	CLRN	Nunavut,Canada	70.4743N	68.5871W	9	From 2011-01-13
Coachella	COA	California,U.S.A.	32.8635N	115.1230W	35	From 1973-04-16
Coal Bank Pass, Durango	S21A	Colorado,U.S.A.	37.6620N	107.7917W	2723	From 2007-12-05 to 2010-02-07
Coamo	CCA	Puerto Rico	18.0696N	66.3263W	269	From 1977-02-15 to 1999-08-25
Coast Env Seattle	KDKW	Washington,U.S.A.	47.5950N	122.3335W	4	
Coatepeque	COAS	El Salvador	13.8867N	89.5719W	1260	
Cobalt	G13A	Idaho,U.S.A.	45.0931N	114.2329W	1538	From 2006-11-14 to 2009-06-04
Cobano	CAO	Costa Rica	9.7012N	85.1033W	263	From 1984-11-01
Cobar Meteorology Station	CMSA	New South Wales,Australia	31.5375S	145.6916E	220	From 2001-06-26
Cobar Meteorology Station	CMS	New South Wales,Australia	31.4867S	145.8283E	255	From 1982-12-06 to 1999-08-25
Cobb Dam	CDZ	South Island,New Zealand	41.0955S	172.7130E	780	From 1989-11-30 to 1990-04-25
Cobblestone Ranch, Loring	A20A	Montana,U.S.A.	48.8799N	107.9257W	868	From 2008-09-11 to 2010-07-20
Cobb Mountain	GCMM	California,U.S.A.	38.8058N	122.7550W	1286	From 1975-04-23
Cobb River	COB	South Island,New Zealand	41.0878S	172.7340E	213	From 1949-07-01 to 1990-02-25
Cobleskill	CONY	New York,U.S.A.	42.6658N	74.4688W	468	From 2001-07-14 to 2006-02-28
Cobquecura	COBQ	Bio-Bio,Chile	36.1077S	72.7440W	100	
Cobquecura	COCH	Bio-Bio,Chile	36.1313S	72.7884W	23	
Cochabamba	CCH	Bolivia	17.3842S	66.1342W	2650	
Cochiti	COH	New Mexico,U.S.A.	35.5802N	106.3050W	1646	From 1976-01-01
Cochrane	CHRN	Chile	47.1457S	72.7525W	198	From 2009-09-07
Coco Island	ICCO	Costa Rica,Costa Rica	5.5436N	87.0567W	10	From 2007-09-23
Cocos Island	CCK	Cocos Islands	12.2000S	96.9000E		
Codavolpe	ECDV	Sicily,Italy	37.7010N	15.1620E	230	From 1994-10-01
Codolo	CODM	Italy	44.3908N	9.8500E	580	From 1999-03-01
Codrington	CPB	Barbuda,Antigua and Barbuda	17.6400N	61.8260W	5	From 1980-07-09
Codroy Newfoundland	CODG	Newfoundland,Canada	47.8406N	59.2535W	50	From 2005-10-06
Cody	CZ-	Nebraska,U.S.A.	42.8750N	101.2417W	975	
Cody	CZ-NB	Nebraska,U.S.A.	42.8750N	101.2417W	975	
Coen	COEN	Queensland,Australia	13.9574S	143.1749E	285	From 2002-10-03
Coe Ranch	COE	California,U.S.A.	37.2577N	121.6725W	366	From 1967-10-03
Coe Ranch	CCOM	California,U.S.A.	37.2577N	121.6720W	366	From 1967-10-03
Cofrada	COFN	Nicaragua	12.1500N	86.1100W	50	
Cogollos-Vega	ECOG	Spain	37.2772N	3.5664W	1176	From 1990-06-13
Cohagen	D22A	Montana,U.S.A.	47.1498N	106.1797W	791	From 2008-09-06
Cohasset Ridge	OCHM	California,U.S.A.	39.8758N	121.7660W	530	From 1976-12-17
Coimbra	COI	Portugal	40.2080N	8.4124W	140	
Coimbra	PCOI	Portugal	40.1585N	8.4662W	174	
Coker Ranch, Turkey	X30A	Texas,U.S.A.	34.4461N	100.8740W	698	From 2009-03-12
Cokeville	L17A	Wyoming,U.S.A.	42.0995N	110.8727W	1996	From 2007-11-04 to 2009-05-06
Colby Mountain	LCMM	California,U.S.A.	40.1465N	121.5210W	1829	
Colchester	TCR	England,United Kingdom	51.8349N	0.9125E	40	From 1989-01-01
Colchester	COV	Vermont,U.S.A.	44.5777N	73.1458W	85	From 1976-11-01 to 1980-08-31
Cold Bay	CBA	Alaska,U.S.A.	55.1750N	162.7330W		
Cold Bay	CBY	Alaska,U.S.A.	55.1887N	162.7040W	20	From 1993-06-01
Col de Zad	CZD	Morocco	33.0330N	5.0430W	2356	From 1992-01-01
Coldfoot	COLD	Alaska,U.S.A.	67.2274N	150.2013W	377	
Cold Spring	COSP	New York,U.S.A.	41.4407N	73.9282W	128	
Cold Spring Mountain	GCSM	California,U.S.A.	39.0228N	123.5212W	695	
Cold Spring River	CSRY	New York,U.S.A.	43.9692N	74.1750W		From 1983-10-01 to 1986-10-31
Cold Springs	KCSM	California,U.S.A.	40.5377N	123.5130W	1640	From 1992-08-13
Cold Springs	CSPT	Tennessee,U.S.A.	35.7610N	83.8240W	335	From 1983-10-28
Col du Perthus	PERF	Languedoc-Rousillon,France	42.4856N	2.8742E	490	From 1989-01-01 to 1999-10-06
Coldwater Canyon	CWCR	California,U.S.A.	37.4948N	118.3060W	2000	From 1984-08-10 to 2002-10-10
Coleburn Distillery	MCD	Scotland,United Kingdom	57.5828N	3.2542W	280	From 1981-06-01
Colegio Aleman	DSCH	Santiago,Chile	33.3985S	70.5688W	699	
Coleman	CLM	Alberta,Canada	49.6350N	114.5200W		
Coleman	232A	Texas,U.S.A.	31.8880N	99.6469W	621	From 2009-03-07
Coleville	R06C	California,U.S.A.	38.5226N	119.4509W	1698	From 2005-08-04 to 2008-03-15
Coley Creek	SCCK	South Carolina,U.S.A.	35.0228N	82.9915W	701	
Coleyville	CVJ	Jamaica	18.2262N	77.5348W	985	
Colfax	CF-	Wisconsin,U.S.A.	45.0942N	91.7664W	366	From 1962-11-04 to 1962-12-12
Colfax	CF-WS	Wisconsin,U.S.A.	45.0942N	91.7664W	366	From 1962-11-04 to 1962-12-12
Coligny	CGY	Transvaal,South Africa	26.3483S	26.3750E		From 1986-01-01 to 1999-01-31
Colima	CMX	Colima,Mexico	19.1808N	103.6910W	779	From 1986-01-01
Colima	COLM	Colima,Mexico	19.1808N	103.6910W	779	From 1986-01-01
Collangettes	COLF	Auvergne,France	45.5178N	3.6945E	740	
Col Las Americas	LACH	Metropolitana,Chile	33.4518S	70.5308W	690	From 2006-04-01
Colle Belvedere (Rocca di Mezzo)	RM24	Italy	42.1710N	13.4724E	1565	From 2009-04-22 to 2009-09-01
Collebrencioni	RM07	Italy	42.4050N	13.4065E	1133	From 2009-04-06 to 2009-08-31
College	COLA	Alaska,U.S.A.	64.8738N	147.8511W	74	From 1996-01-01
College--Fairbanks	CMO	Alaska,U.S.A.	64.8600N	147.8350W	183	From 1949-01-01 to 1977-12-31
College Fiord	CFI	Alaska,U.S.A.	61.1827N	147.7670W	3	From 1974-07-31
College of the Siskiyous	LCSM	California,U.S.A.	41.4162N	122.3925W	1125	
College of Wooster	COWO	Ohio,U.S.A.	40.8158N	81.9378W	328	
College Outpost	COL	Alaska,U.S.A.	64.9000N	147.7933W	320	
Collenoveri	RM11	Italy	42.5382N	13.2772E	931	From 2009-04-07 to 2010-02-15
Collepietro	T0110	Italy	42.2264N	13.7791E	915	From 2009-09-02
Colle Roio	RM02	Italy	42.3430N	13.3283E	787	From 2009-04-06 to 2009-06-17
Colle San Martino	SMB1	Italy	41.3968N	14.7184E	819	
Colliano	CLLN	Italy	40.7177N	15.3180E	1207	From 2004-09-23

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Colli (Barete)	RM05	Italy	42.4387N	13.2588E	890	From 2009-04-06 to 2009-09-01
Collier Ranch, Chico	Z34A	Texas,U.S.A.	33.3712N	97.9158W	341	From 2009-11-10
Collingwood	CLWO	Ontario,Canada	44.4491N	80.3013W	485	
Collinsville	HGA	Alabama,U.S.A.	34.2602N	85.8464W	384	
Collinsville	CVLQ	Queensland,Australia	20.5900S	147.6090E	102	From 1985-04-03
Collm	CLL	Sachsen,Germany	51.3077N	13.0026E	230	
Collurania	CLR	Italy	42.6667N	13.7167E		
Coloane	MCO	Macao,China	22.1219N	113.5580E	174	
Cologne	CLG	Nordrhein-Westfalen,Germany	50.9283N	6.9350E	0	
Colombo	COC	Sri Lanka	6.9000N	79.8667E	7	
Colome	CO-SD	South Dakota,U.S.A.	43.2867N	99.6703W	640	From 1962-07-06 to 1962-07-11
Colome	CO-	South Dakota,U.S.A.	43.2867N	99.6703W	640	From 1962-07-06 to 1962-07-11
Colon	COLN	O'Higgins,Chile	34.0667S	70.4567W	2160	
Colon	ECO	Panama	9.3638N	79.6937W	468	From 1990-10-17
Colon	ECO2	Panama	9.3218N	79.6837W	450	
Colonesti	CLI	Romania	46.5500N	27.2833E	502	
Colonia	COLC	Costa Rica	10.6652N	85.2037W	445	From 2000-01-01
Colonia del Valle	CVM	Mexico D.F.,Mexico	19.3821N	99.1785W		
Colonia Sabana	CSB	Puerto Rico	18.2897N	66.1567W	470	From 1975-07-30
Colony High School	CHSA	Alaska,U.S.A.	61.6080N	149.2120W	112	
Colorado	COCR	Costa Rica	10.5527N	83.6708W	10	
Colorado Mnmt	CMCO	Colorado,U.S.A.	39.1026N	108.7380W	1756	
Coloredo	COLI	Italy	46.1333N	13.3783E	250	From 1977-05-06
Col San Antonio	HUMP	Puerto Rico	18.1421N	65.8498W	79	
Colson Canyon	SCCM	California,U.S.A.	34.9413N	120.1720W	610	
Colson Canyon	BCC	California,U.S.A.	34.9397N	120.1720W	610	From 1969-11-24
Colter Canyon	COLW	Wyoming,U.S.A.	43.9623N	110.6960W	2079	From 1986-01-01
Colton High School	COLT	Oregon,U.S.A.	45.1703N	122.4369W	213	
Columbia	COTN	Tennessee,U.S.A.	35.7842N	86.9707W	320	
Columbia	CSC	South Carolina,U.S.A.	34.0000N	81.0333W	94	From 1931-01-01 to 1973-09-30
Columbia College	CMB	California,U.S.A.	38.0346N	120.3865W	697	From 1986-11-06
Columbo, Santorini Isl.	CMBO	Greece	36.4709N	25.4056E	108	From 2011-02-02
Columbus	COLR	Nevada,U.S.A.	38.1447N	118.0542W	1835	
Columbus	CUN	Nebraska,U.S.A.	41.4789N	97.3800W	467	
Col Varnada, Mel (BL)	VARN	Italy	45.9933N	12.1047E	870	From 2006-11-16
Colville	CLW	Washington,U.S.A.	48.5933N	117.8820W	585	From 1975-06-01 to 1976-11-30
Colville Lake	CLVN	Northwest Territories,Canada	67.0390N	126.0779W	263	From 2010-07-18
Colville Reservation, Omak	B08A	Washington,U.S.A.	48.3584N	119.3332W	696	From 2006-11-07 to 2008-11-12
Comanche National Grassland Park, Kim	T26A	Colorado,U.S.A.	37.1747N	103.5933W	1830	From 2009-01-10
Combarbala	CMCH	Coquimbo,Chile	31.1735S	71.0013W	906	
Combe Brimond	CBBF	Provence-Cote d'Azur,France	44.5965N	6.8535E	1980	From 1989-11-06
Combe Farm	DCO	England,United Kingdom	50.3200N	3.8724W	410	From 1982-01-01
Combovin	OG16	Rhone-Alpes,France	44.8500N	5.0975E	775	From 1990-04-05
Comb Ridge	CRTN	Tennessee,U.S.A.	36.1998N	83.8407W	488	
Comitan	COM	Chiapas,Mexico	16.2533N	92.1281W	1528	
Comitan	CCIG	Chiapas,Mexico	16.2820N	92.1370W	1500	
Comitan 2	COM2	Chiapas,Mexico	16.2417N	92.1372W		
Commelle	OG08	Rhone-Alpes,France	45.4482N	5.2397E	550	From 1989-02-13
Compton	COOC	California,U.S.A.	33.8960N	118.2164W	-31	
Concepcio@15n	U14B	Concepcion,Chile	36.8579S	73.0798W	27	
Concepcion	CONN	Nicaragua	11.5642N	85.6257W	250	
Concepcion	CON	Concepcion,Chile	36.8281S	73.0450W	15	
Concepcion	CONC	Concepcion,Chile	36.8295S	73.0353W	60	
Concesio	CNCS	Italy	45.6060N	10.2170E	126	From 2006-05-03
Conchagua	CNCH	El Salvador	13.2763N	87.8337W	1056	
Con Chiusa Politi	EPOL	Sicily,Italy	37.8625N	14.9915E	830	From 1994-10-01
Con Con	CCCH	Valparaiso,Chile	32.9228S	71.5158W	45	
Concord--Diablo Valley College	CNC	California,U.S.A.	37.9667N	122.0720W	36	From 1960-09-12 to 1966-12-06
Concordia	CNK	Kansas,U.S.A.	39.5080N	97.7130W	465	From 1978-04-18 to 2001-07-15
Concordia, Antarctica	CCD	East Antarctica	75.1065S	123.3050E	3240	From 2007-01-01
Concrete	CE-WA	Washington,U.S.A.	48.5225N	121.6872W	274	From 1962-10-15 to 1962-10-27
Concrete	CE-	Washington,U.S.A.	48.5225N	121.6872W	274	From 1962-10-15 to 1962-10-27
Con Cuong	CCVB	Vietnam	19.0485N	104.8768E	30	From 2008-01-01
Condor	PP03	Peru	13.5412S	75.5242W	1400	
Cone Peak	CPK	Hawaii,U.S.A.	19.3950N	155.3280W	1038	From 1967-11-01
Congro	PCNG	Azores,Portugal	37.7670N	25.3960W	578	From 2003-01-01
Conil	CNIL	Spain	36.3700N	6.0545W	63	
Connealy Angus Ranch, Whitman	L28A	Nebraska,U.S.A.	42.0073N	101.5196W	1155	From 2009-06-05
Connel	CNL	Washington,U.S.A.	46.6530N	118.9170W	293	From 1970-06-01 to 1975-02-28
Connelly Farm, Tescott	Q33A	Kansas,U.S.A.	38.9982N	97.8327W	422	From 2009-10-27
Conner	APYP	Luzon,Philippines	17.8620N	121.2430E	50	
Conniff Cattle Co., Rinco	122A	New Mexico,U.S.A.	32.6995N	107.0005W	1333	From 2008-02-01 to 2009-12-09
Cono NE Rev Volc	CONE	Ecuador	0.0699S	77.6425W	2685	From 2003-03-08
Conover	COWI	Wisconsin,U.S.A.	46.1003N	89.1369W	523	
Conrad Observatory	CSNA	Austria	47.9282N	15.8588E	1039	From 2006-12-13
Conrad Observatory	CONA	Austria	47.9282N	15.8618E	1046	
CONSTANTA	CCF	Romania	44.1434N	28.6730E	35	From 2007-08-16
Constantine	CNS	Algeria	36.3700N	6.6125E	670	
Constantine	CCO1	England,United Kingdom	50.1357N	5.1957W	168	From 1981-01-01
Constitucion	CONS	Maule,Chile	35.3229S	72.4131W	110	
Constitucion	CTCH	Maule,Chile	35.3308S	72.4119W	10	From 2004-09-08
Contact Creek	CNTC	Alaska,U.S.A.	58.2645N	155.8837W	1158	From 1996-08-01
Contao	CNTO	Chile	41.8022S	72.7182W	10	From 2008-05-06
Contrada Cassone	ECCS	Sicily,Italy	37.7105N	15.0643E	1500	From 1994-10-01
Contwyoto Lake 2	COWN	Northwest Territories,Canada	65.2679N	111.1860W	513	
Conway	CW-	Arkansas,U.S.A.	35.1356N	91.9778W	152	From 1962-05-09 to 1962-06-09
Conway	CW-AR	Arkansas,U.S.A.	35.1356N	91.9778W	152	From 1962-05-09 to 1962-06-09
Cook Canyon	CKC	California,U.S.A.	34.1363N	117.1750W	550	
Cookes Peak, Deming	121A	New Mexico,U.S.A.	32.5324N	107.7851W	1652	From 2008-02-12
Cook Lake	COKN	Northwest Territories,Canada	63.2702N	108.7623W	357	From 2008-07-10
Cook Peak	WCOM	California,U.S.A.	35.6225N	118.4380W	1609	
Cook Ranch	COK	California,U.S.A.	32.8492N	115.7270W	-15	From 1973-04-16
Coolgardie	COOL	Western Australia,Australia	30.8838S	121.1450E	500	From 1988-08-01 to 2006-05-29
Coonabarabran	EPSO	New South Wales,Australia	31.2601S	149.2209E	563	From 2009-12-01
Cooney Tunnel	COO	New South Wales,Australia	30.5778S	151.8917E	653	From 1974-08-17 to 1999-08-25
Coon Peak	CPU	Utah,U.S.A.	40.6731N	112.1900W	2228	From 1974-11-01
Cooper Cave	CPCT	Tennessee,U.S.A.	35.4498N	84.5218W	275	
Cooper Hill	PQ0	Maine,U.S.A.	44.9863N	67.4674W	219	
Cooper Mountain	CMTX	Texas,U.S.A.	33.0105N	100.8420W	811	
Coopers Lake	CKM	Montana,U.S.A.	47.0666N	112.9100W	1353	From 1974-08-02 to 1976-10-31
Copaltepe	COPN	Nicaragua	12.1800N	86.5917W	150	
Copenhagen	COP	Denmark	55.6853N	12.4325E	13	From 1962-01-01
Copete-Rev Volc	ECOPE	Ecuador	0.1061S	77.6206W	2350	From 2003-02-17 to 2003-09-01
Copeton	COPM	New South Wales,Australia	29.9178S	150.9347E	571	
Copiapo	CPCH	Atacama,Chile	27.3580S	70.3530W	371	
Copiapo	CPP	Atacama,Chile	27.3542S	70.3511W	384	
Coppermine	CMC	Northwest Territories,Canada	67.8333N	115.0833W	31	From 1963-03-15 to 1969-12-06
Copper Mountain	CPM	California,U.S.A.	34.1540N	116.1970W	937	
Copperopolis	MCUM	California,U.S.A.	37.9727N	120.6170W	336	From 1972-04-19
Coppito (AQ)	T0109	Italy	42.3600N	13.3382E	754	From 2009-04-08 to 2009-04-09
Coquitlam Dam	COQB	British Columbia,Canada	49.3542N	122.7747W	161	
Corbin	CBN	Virginia,U.S.A.	38.2046N	77.3732W	70	From 1971-01-01
Corbin	CNV	Virginia,U.S.A.	38.2050N	77.3733W	70	From 1978-07-01
Corcelles	OG35	Rhone-Alpes	46.0445N	5.5715E	900	From 2008-04-04
Corcovado	CHP2	Peru	4.6161S	80.8131W	200	From 1979-12-01
Cordova	CDI	Alaska,U.S.A.	60.4967N	145.4933W	65	From 1964-04-02 to 1964-05-08
Cordova	CVA	Alaska,U.S.A.	60.5465N	145.7490W	90	From 1971-08-31
Cordova Ski Area	EYAK	Alaska,U.S.A.	60.5493N	145.7479W	146	
Cordoza Dairy	HCZM	California,U.S.A.	36.9090N	121.8000W	30	From 1975-11-13
Corfu	CRF	Washington,U.S.A.	46.8250N	119.3870W	189	From 1970-07-01
Corinaldo	CRN	Italy	43.6308N	12.9978E	271	
Corinaldo (AN)	AD04	Italy	43.6440N	13.0398E	227	From 2010-03-31
Cork	CORK	Ireland	51.8833N	8.4667W		From 1914-01-01 to 1942-12-31
Corleone	CORL	Sicily,Italy	37.8943N	13.3038E	660	From 2006-04-19
Corleto Perticara	COPE	Italy	40.3834N	16.0692E	800	
Corlu	CRLT	Turkey	41.1290N	27.7360E	230	From 2002-01-01
Corn Cob Canyon	HCOM	California,U.S.A.	36.8875N	121.7080W	134	From 1975-11-19
Corn Creek	U11A	Nevada,U.S.A.	36.4230N	115.3835W	867	From 2006-06-20 to 2008-10-13
Corn Creek, Alamo	T11A	Nevada,U.S.A.	37.2408N	115.2202W	1402	From 2007-02-11 to 2008-09-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cornell	CN-	Wisconsin,U.S.A.	45.1928N	91.1281W	320	From 1962-05-10 to 1962-06-28
Cornell	CN-WS	Wisconsin,U.S.A.	45.1928N	91.1281W	320	From 1962-05-10 to 1962-06-28
Cornellia Hill	CORN	Puerto Rico	18.1635N	67.1794W	8	
Corner Brook	CBK	Newfoundland,Canada	48.9197N	57.9697W	380	
Cornuda. Italy	MCOR	Italy	45.8371N	11.9887E	394	From 2010-06-29
Cornudas Mountain, Dell City	224A	Texas,U.S.A.	32.0760N	105.5226W	1487	From 2008-02-28 to 2010-01-16
Cornudas Mountains	MNTX	Texas,U.S.A.	31.6985N	105.3821W	404	
Coroa da Mata	PMAT	Azores,Portugal	37.8160N	25.4710W	240	From 2003-01-01
Coron	BUSP	Palawan,Philippines	12.0030N	120.1990E	66	
Corona	CRNC	California,U.S.A.	33.8757N	117.5611W	135	
Corona Quarry	COQ	California,U.S.A.	33.8605N	117.5097W	205	From 1976-01-01
Coronation Park	CORO	Tasmania,Australia	41.4522S	147.1450E	30	From 1996-01-01
Coronel Fontana	CFA	San Juan,Argentina	31.6026S	68.2331W	713	
Coronel Fontana	CFAA	San Juan,Argentina	31.6047S	68.2376W	577	From 2004-12-22
Corral Hollow	CSTL	California,U.S.A.	37.6392N	121.4980W	205	From 1981-02-18
Correggio	CODE	Italy	44.7980N	10.7150E	27	
Correggio Bag	ZAVE	Italy	44.7542N	10.7030E	33	
Correggio Fan	FANE	Italy	44.7670N	10.7362E	33	
Correggio Man	MAN1	Italy	44.7822N	10.7855E	29	
Correggio--Silva	SILE	Italy	44.7550N	10.7970E	33	
Corrie	PCOU	Scotland,United Kingdom	55.9880N	4.1002W	267	From 1990-01-01 to 1991-01-01
Corte	CORF	Corse,France	42.2980N	9.1530E	475	From 2005-06-22
Cortez Mining, Crescent City	O10A	Nevada,U.S.A.	40.2917N	116.4999W	1470	From 2006-05-16 to 2008-08-15
Corum	CTKT	Turkey	40.6231N	34.7897E	1650	From 2002-03-01
Corum	CORM	Turkey	40.1785N	34.6302E	1292	From 2004-12-15
Corum-Alaca	COAL	Turkey	40.2548N	34.9860E	1154	From 2010-11-30
Corvallis	COR	Oregon,U.S.A.	44.5857N	123.3030W	121	From 1950-12-01
Cosiguina	COS	Nicaragua	12.9580N	87.5752W	500	From 1975-01-01
Coso Basin North	CBHM	California,U.S.A.	35.9882N	117.7500W	890	From 1975-09-26
Coso Springs S	WCSM	California,U.S.A.	36.0263N	117.7670W	1143	From 1975-09-26
Coso Springs South	CSSM	California,U.S.A.	36.0263N	117.7670W	1143	From 1975-09-26
Costa Raja	CRJA	Sicily,Italy	37.8016N	13.0043E	560	From 2000-07-01
Cotabato	CTB	Mindanao,Philippines	7.2000N	124.2000E	50	
Cotabato--PC Hill	CTBH	Mindanao,Philippines	7.2210N	124.2460E	50	
Cotacachi	COTA	Ecuador	0.3350N	78.3378W	4020	From 1988-07-22
Cotillion Park	DCA3	Alberta,Canada	56.1665N	119.6977W	284	
Cotoan	CTCR	Costa Rica	8.8962N	82.7593W	1620	From 1989-01-01
Cotopaxi 1	VC1	Ecuador	0.6420S	78.4030W	4103	From 1988-07-08
Cotopaxi Volc	COV1	Ecuador	0.6621S	78.3437W	4979	From 2001-12-15
Cotopaxi Volcano	BTAM	Ecuador	0.6750S	78.3968W	4292	From 2007-07-01
Cotopaxi Volcano	BMOR	Ecuador	0.7308S	78.4588W	4337	From 2007-07-01
Cotopaxi Volcano	BVC2	Ecuador	0.6575S	78.4118W	4408	From 2007-07-01
Cotopaxi Volcano	BNAS	Ecuador	0.6713S	78.4805W	3919	From 2007-07-01
Cotopaxi Volcano	BREF	Ecuador	0.6697S	78.4405W	4859	From 2007-07-01
Cotopaxi Volc (N)	PITA	Ecuador	0.5585S	78.4326W	3610	From 2001-12-03
Cotopaxi Vol south	MOV1	Ecuador	0.7132S	78.4405W	4782	From 2002-01-11
Cottongarden Point	CGPV	Virgin Islands	17.7635N	64.5842W	40	
Cotton Hill	PSDMB	Dominica	15.5850N	61.4570W	40	
Cottonwood	COTR	Nevada,U.S.A.	38.6417N	118.7718W	1890	
Cottonwood Creek	CWC	California,U.S.A.	36.4399N	118.0802W	1553	From 1965-10-13
Cottonwood Mountains	CTW	California,U.S.A.	33.6773N	115.8721W	504	From 1977-08-24
Cottonwood Point	CWPT	Missouri,U.S.A.	36.0091N	89.6264W	76	
Cournillens	SCOU	Switzerland	46.8540N	7.1037E	600	From 2008-04-16
Court-Saint-Etienne	BCES	Belgium	50.6061N	4.5767E	167	From 2010-07-13
Covasna	CVO	Romania	45.8222N	26.1739E	635	From 1982-09-01
Cove	G09A	Oregon,U.S.A.	45.2781N	117.7802W	1027	From 2006-08-11 to 2008-07-17
Cove Fort	CFU	Utah,U.S.A.	38.6189N	112.5390W	2012	
Cove Ranch, Picabo	J13A	Idaho,U.S.A.	43.3979N	114.1742W	1552	From 2006-12-09 to 2009-06-02
Covington	CVTN	Tennessee,U.S.A.	35.5415N	89.6435W	101	
Cowboy Ranch, Jiggs	O11A	Nevada,U.S.A.	40.1313N	115.6570W	1948	From 2006-05-17 to 2008-08-12
Cow Camps Rge	CCRT	Tennessee,U.S.A.	35.4660N	84.0540W	940	From 1983-11-06
Cow Castle Creek	COW	South Carolina,U.S.A.	33.3817N	80.6993W	60	From 1977-10-23
Cowlitz River	CWZ	Washington,U.S.A.	46.4910N	122.0120W	305	
Cow Mountain	GCWM	California,U.S.A.	39.1308N	123.0760W	1089	
Coxcomb Mountains 2	CO2	California,U.S.A.	33.8472N	115.3447W	276	
Cox Ranch, Sanderson	528A	Texas,U.S.A.	30.1615N	102.7880W	1183	From 2008-03-18 to 2010-02-11
Coyhaique	COYC	Patagonia,Argentina	45.5729S	72.0813W	235	From 2004-12-20
Coyote D'meter	CYD1	California,U.S.A.	37.5629N	122.0967W	-23	
Coyote Hills	LT8	California,U.S.A.	37.5590N	122.0940W	38	From 1966-12-15 to 1975-04-29
Coyote Hills	CCYM	California,U.S.A.	37.5517N	122.0910W	67	From 1975-05-01
Coyote Hills	CYH	California,U.S.A.	37.5590N	122.0940W	38	From 1966-12-15 to 1975-04-29
Coyote Hollow	CHOI	Idaho,U.S.A.	43.3125N	111.2130W	2103	From 1986-01-01
Coyote Mountain	COY	California,U.S.A.	33.3640N	116.3110W	232	From 1976-01-01 to 2008-06-11
Coyotepe	CYN	Nicaragua	11.9958N	86.0987W	345	From 2000-04-01
Coyote Point	JCPM	California,U.S.A.	37.5882N	122.3220W	14	
Cozia	COZ	Romania	45.3205N	24.3425E	1610	From 1982-09-01
CP-1	CPX	Nevada,U.S.A.	36.9300N	116.0550W	1285	From 1961-01-01 to 1991-01-14
CP-1	CPY	Nevada,U.S.A.	36.9319N	116.0559W	1304	From 1991-01-14 to 2002-10-10
CP-17	CPN	Nevada,U.S.A.	37.1438N	116.2710W	1759	From 1965-01-01 to 1970-12-31
CRAAG	ESS	Algeria	36.0000N	3.1000E	400	
Craco	CRAC	Italy	40.3650N	16.4350E	384	From 2006-02-22
Crafton Hills	CFT	California,U.S.A.	34.0352N	117.1110W	671	From 1975-01-01
Craig	CRAG	Alaska,U.S.A.	55.4689N	133.1230W	57	
Craig	CGC	Colorado,U.S.A.	40.5233N	107.5620W	1925	From 1970-01-01 to 1972-11-30
Craig Goch	HCG	Wales,United Kingdom	52.3225N	3.6567W	511	From 1980-11-01
Craigsville	CX-WV	West Virginia,U.S.A.	38.3231N	80.6403W	732	
Craigsville	CX-	West Virginia,U.S.A.	38.3231N	80.6403W	732	
CRAIOVA	CRAR	Romania	44.3250N	23.7999E	125	From 2004-06-28
CR and CF Franklin Farms, Melrose	X26A	New Mexico,U.S.A.	34.5508N	103.8103W	1393	From 2008-04-29
Crane	KR-	Oregon,U.S.A.	43.4175N	118.5122W	1402	
Crane	KR-OR	Oregon,U.S.A.	43.4175N	118.5122W	1402	
Crater	A10	Costa Rica	10.4611N	84.7156W	830	
Crater GGP	CGGP	Ecuador	0.1765S	78.6058W	4400	From 1993-03-13
Crateri Nord Est	ECNE	Sicily,Italy	37.7653N	15.0019E	2957	From 2009-09-23
Crater Lake	VCLM	Oregon,U.S.A.	42.8785N	122.1200W	2048	
Crater Peak	CRP	Alaska,U.S.A.	61.2670N	152.1550W	1622	From 1981-08-26
Crater Peak Alternate	CPAM	Alaska,U.S.A.	61.2548N	152.1420W	1192	From 1992-10-29
Crater Peak Rim	CPKM	Alaska,U.S.A.	61.2633N	152.2330W	2017	From 1991-10-01
Crater Peak Two	CP2	Alaska,U.S.A.	61.2642N	152.2420W	1981	From 1992-10-26
Craters of Moon	COMI	Idaho,U.S.A.	43.4618N	113.5940W	1890	From 1992-01-01
Crater Summit	SSV	St Vincent,Saint Vincent and the Grenadines	13.3270N	61.1930W	824	From 1979-01-16
Crazy Man Mountain	CZM	Washington,U.S.A.	46.4353N	122.5060W	620	From 1980-04-01
Creal Springs	CSIL	Illinois,U.S.A.	37.6319N	88.7900W	168	
Creighton Mine,Sudbury	DSNO	Ontario,Canada	46.4715N	81.1870W	-1723	From 2006-11-09
Creighton Mine,Sudbury	SSNO	Ontario,Canada	46.4715N	81.1870W	277	From 2006-11-09
Crescent City	M01C	California,U.S.A.	41.8473N	124.1221W	38	From 2006-05-19 to 2007-11-16
Crescent Cliff	LCFM	California,U.S.A.	40.4863N	121.5240W	840	From 1976-11-12
Crested Butte, Gunnison	Q22A	Colorado,U.S.A.	38.8627N	106.9096W	2727	From 2007-12-18 to 2010-02-07
Crestline	CSL	California,U.S.A.	34.2497N	117.2780W	1490	
Crete	CR-NB	Nebraska,U.S.A.	40.6644N	96.8542W	442	From 1965-10-26 to 1966-10-14
Crete	CR-	Nebraska,U.S.A.	40.6644N	96.8542W	442	From 1965-10-26 to 1966-10-14
Crete	CR2NB	Nebraska,U.S.A.	40.6367N	96.8483W	418	
Crete	CTN	Nebraska,U.S.A.	40.6222N	96.9483W	432	
Creve Coeur	CCMO	Missouri,U.S.A.	38.7200N	90.4670W	152	
Crevison Peak	HCPM	California,U.S.A.	37.1945N	121.1850W	513	From 1979-11-15 to 1988-02-15
Cripan	ECRI	Spain	42.6089N	2.5100W	807	From 1986-10-01
Cripple Cowboy Ranch, Baxter Pass	P19A	Colorado,U.S.A.	39.6333N	108.9812W	2099	From 2007-08-21 to 2010-02-07
Cripps Ranch, Grass Range	D19A	Montana,U.S.A.	47.1646N	108.8800W	1047	From 2008-08-29
Criterion Ridge	CROR	Oregon,U.S.A.	44.9828N	120.9880W	1015	From 1987-08-01
Crittenden County--Downhole	CRID	Arkansas,U.S.A.	35.3020N	90.3330W	36	From 1982-03-16
Crittenden County--Surface	CRIS	Arkansas,U.S.A.	35.3020N	90.3330W	64	From 1981-12-16
Crivoux	CREF	Provence-Cote d'Azur,France	44.5495N	6.6228E	1680	From 1993-05-12
Crni Vrh	CRNS	Slovenia	46.0807N	14.2613E	689	
Crocker Grade	CRGC	California,U.S.A.	35.2422N	119.7249W	1169	From 1976-06-01
Crocket Farms Inc., Mclean	W30A	Texas,U.S.A.	35.1818N	100.5770W	870	From 2009-03-25
Crockett	338A	Texas,U.S.A.	31.3567N	95.3106W	137	From 2010-02-18
Croghan	CROG	New York,U.S.A.	43.9050N	75.4125W	244	From 1977-07-27 to 1986-09-30
Croghan	DCN	Ireland	53.3439N	7.2767W	150	From 1976-11-01
Crook	LCK	England,United Kingdom	54.3595N	2.8715W	200	From 1989-01-01 to 1992-10-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cross D Ranch, Liberty	539A	Texas,U.S.A.	30.1084N	94.7236W	15	From 2010-04-13
Cross Fire Station	CFS	South Carolina,U.S.A.	33.2787N	80.1693W	26	From 1988-05-30
Cross River	CRNY	New York,U.S.A.	41.3118N	73.5482W	293	From 1981-12-01
Crosstimbers Borehole	TUL0	Oklahoma,U.S.A.	35.9126N	95.7903W	-571	
Crossville	CS-TN	Tennessee,U.S.A.	35.8153N	85.1594W	579	From 1963-01-01 to 1963-03-21
Crossville	CS-	Tennessee,U.S.A.	35.8153N	85.1594W	579	From 1963-01-01 to 1963-03-21
Crow Canyon Rd	CCNM	California,U.S.A.	37.7915N	121.9480W	219	From 1976-02-05
Crow Canyon Road	CYC	California,U.S.A.	37.7915N	121.9480W	219	From 1976-02-05
Crowheart	J19A	Wyoming,U.S.A.	43.2649N	109.0531W	1782	From 2008-08-08
Crowley Lake	CLKR	California,U.S.A.	37.5907N	118.8240W	2576	From 1979-11-01
Crown Mine	CMN	Nevada,U.S.A.	40.8160N	117.5280W	1792	From 1964-01-01 to 1999-08-25
Crown Mines	CRWM	Transvaal,South Africa	26.2370S	28.0150E	1704	From 2010-02-10
Crown Point	CPI	Idaho,U.S.A.	43.8667N	116.3000W		
Crows Nest Canyon	CNCI	Idaho,U.S.A.	43.9290N	113.4530W	1914	From 1992-01-01
Crozet Islands	CRZF	Crozet Islands	46.4296S	51.8612E	140	From 1986-04-01
Crutchfield	CRU	Kentucky,U.S.A.	36.5950N	89.0200W	127	From 1974-07-12
Crystal Lake	CLY	New York,U.S.A.	43.8513N	74.4490W	579	From 1971-09-01 to 1982-12-31
Crystal Springs Elementary School	CSEN	Washington,U.S.A.	47.8000N	122.2100W		
Csakvar	PKSC	Hungary	47.3806N	18.4371E	200	
CSIRO Animal Health Laboratory	GEAM	Victoria,Australia	38.1530S	144.3890E	100	
Cs^‡kako	CSKK	Hungary	47.3631N	18.2605E	320	From 2009-05-08
Cu@15pira	CUPV	Venezuela	10.0570N	65.7880W	668	From 2002-10-23
Cuddapah	CUD	India	14.4759N	78.7661E	137	
Cudjo Caverns	CCVA	Virginia,U.S.A.	36.6030N	83.6670W	571	From 1982-10-06
Cuesta del Viento	ACDV	San Juan,Argentina	30.1703S	69.1206W	1630	
Cueva Verdes	CDLV	Canary Islands,Spain	29.1631N	13.4439W	37	
Cuglieri	CUG	Sardinia,Italy	40.1869N	8.5698E	445	
Cuida Lopez Mateos	AZVM	Mexico D.F.,Mexico	19.5848N	99.2830W	2409	From 2009-01-01
Cuipilapa	CUI	Costa Rica,Costa Rica	10.6577N	85.1640W	560	
Cukurca	CUKT	Turkey	37.2474N	43.6076E	1298	From 2005-10-01
Culebra	CULB	Puerto Rico	18.3260N	65.3010W	161	
Culebra	CUP	Puerto Rico	18.3350N	65.3090W	120	From 1975-07-01 to 1999-08-25
Culiacan	CUL	Sinaloa,Mexico	24.8080N	107.3160W		
Cultus Mountains	CMW	Washington,U.S.A.	48.4237N	122.1190W	1190	
Cumana	CUM	Venezuela	10.4650N	64.1700W	24	From 1969-08-01
Cumanacoa	COAV	Venezuela	10.1580N	63.8270W	1232	
Cumbal	CMBC	Colombia	0.8594N	77.8419W	3420	From 1994-01-01
Cumberland Camp Nunavut	CMBN	Northwest Territories,Canada	65.6861N	64.4481W	289	From 2009-08-17
Cumberland Gap	CG-	Virginia,U.S.A.	36.6264N	83.2600W	396	From 1962-06-01 to 1965-07-23
Cumberland Gap	CG-VA	Virginia,U.S.A.	36.6264N	83.2600W	396	From 1962-06-01 to 1965-07-23
Cumberland Gap	CGTN	Tennessee,U.S.A.	36.5580N	83.7110W	704	From 1981-10-23 to 1982-04-03
Cumberland Plat.	CPO5	Tennessee,U.S.A.	35.6038N	85.5735W	570	
Cumberland Plateau	CPOT	Tennessee,U.S.A.	35.6038N	85.5735W	570	
Cumberland Plateau	RSCP	Tennessee,U.S.A.	35.6000N	85.5689W	581	
Cumberland Plateau	CPO	Tennessee,U.S.A.	35.5948N	85.5704W	574	From 1963-02-13 to 1999-08-25
Cumberland Plateau Observatory	CP-SO	Tennessee,U.S.A.	35.5947N	85.5706W	574	
Cumbre	CUMB	Ecuador	0.6700S	78.4300W	5820	
Cumshewa	CWB	British Columbia,Canada	53.1581N	131.9970W	620	From 1985-09-01
Cupa	CUPA	Ecuador	0.3665N	79.5000W	113	From 1994-08-08
Curaglia	CUNA	Switzerland	46.6711N	8.8467E	1400	From 2009-12-02
Curarigua	CURV	Venezuela	10.0130N	69.9610W	750	From 2002-06-20
Curley Farm, La Sal	R19A	Utah,U.S.A.	38.2916N	109.2607W	2035	From 2007-06-24 to 2009-03-06
Currant	CU-NV	Nevada,U.S.A.	38.6772N	115.4550W	1646	From 1963-09-09 to 1964-03-09
Currant	CND	Nevada,U.S.A.	38.8320N	115.2900W	2292	From 1975-11-01
Currant	CU-	Nevada,U.S.A.	38.6772N	115.4550W	1646	From 1963-09-09 to 1964-03-09
Currie	O12A	Nevada,U.S.A.	40.2679N	114.7454W	1743	From 2006-05-18 to 2008-09-03
Curry Mountain	PCRM	California,U.S.A.	36.0938N	120.4350W	296	From 1975-09-04
Cushendall	GCL	Northern Ireland,United Kingdom	55.0760N	6.1300W	275	From 1989-01-01
Cusmapa	CUSS	El Salvador	13.9092N	89.9472W	678	
Cusp Creek	CCC	British Columbia,Canada	56.1233N	122.3000W		From 1967-12-01 to 1973-04-06
Cussignacco Udine	CUSI	Italy	46.0370N	13.2530E	90	
Cusua	CUSU	Ecuador	1.4428S	78.4805W	2700	
Cuyoaco	CUPM	Puebla,Mexico	19.6036N	97.6186W	2450	
Cuyo Island	CUYO	Palawan,Philippines	10.8500N	121.0180E	196	
Cuzco	CUS	Peru	13.5633S	71.8767W	3240	
Cypress Bend	CBD	Missouri,U.S.A.	36.3170N	89.6510W	84	From 1985-06-21
Dabaa	DABA	Egypt	31.0098N	28.2814E	92	
Dabajuro	DABV	Venezuela	10.9220N	70.6360W	152	From 2002-04-17
Dabo	DSRI	Peninsular Malaysia,Malaysia	0.4793S	104.5778E	58	From 2005-01-01
Dabrowa Gornicza	DGP	Poland	50.3292N	19.2142E	275	
Daday	BALT	Turkey	41.5342N	33.3858E	1746	From 1994-06-01
Daegu	KSDAG	South Korea	35.7685N	128.8970E	263	From 2001-12-05
Daegwallycong	KSDGY	South Korea	37.6904N	128.6742E	791	From 2001-12-11
Daejeon	KSTEJ	South Korea	36.3681N	127.3712E	68	
Dafare	DAF	Djibouti	11.6077N	42.5292E	270	From 1976-03-01
Dagmar	DGMT	Montana,U.S.A.	48.4702N	104.1959W	646	
Dahal	DHLJ	Jordan	30.8200N	35.4020E	-80	From 1990-02-23
Dahanechah	IDAH	Iran	32.7390N	59.8680E	2277	From 2005-12-01
Dakar	DAK	Senegal	14.6667N	17.4333W	30	
Dake	DAKH	Aomori,Japan	40.6311N	140.2725E	525	
Dakhla	HDK1	Egypt	25.5432N	29.4028E	568	From 2001-02-10
Dalandzadgad	DZD	Mongolia	43.5700N	104.4100E	1485	
Dalbeg	DLBQ	Queensland,Australia	20.1491S	147.2670E	116	From 1984-04-09
Dale	535A	Texas,U.S.A.	30.0290N	97.5711W	170	From 2009-12-16
Dale-Ortello Valley, Anselmo	M30A	Nebraska,U.S.A.	41.5371N	99.8723W	853	From 2009-05-18
Dalfsen	NE38	Netherlands	52.5038N	6.2592E	3	
Dalhousie	DLH	Himachal Pradesh,India	32.5417N	75.9667E	1960	
Dalia	MDAL	Morocco	35.9000N	5.4810W	30	From 2000-06-10
Dalian	DL2	Liaoning,China	38.9061N	121.6280E	62	From 1983-08-01
Dallas	J30A	South Dakota,U.S.A.	43.3248N	99.4922W	608	From 2009-09-17
Dallas	DAL	Texas,U.S.A.	32.8461N	96.7839W	187	From 1953-12-14
Dallas	DLS	Texas,U.S.A.	32.8778N	96.7056W	169	From 1971-02-20 to 1975-12-31
Dalny	DALK	Kamchatskaya Oblast',Russia	53.0311N	158.7536E	67	From 2009-06-28
Dalselv	N1R6	Norway	66.2610N	13.9700E	85	
Dalton	DALG	Georgia,U.S.A.	34.6088N	85.0137W	457	
Dalton	DLT	California,U.S.A.	34.1700N	117.8108W	478	From 1950-07-20 to 1959-08-29
Dalton Mountain	DMMT	Montana,U.S.A.	46.8623N	112.7150W	2039	From 1987-11-19 to 1990-07-10
Dalton (NSW)	DLN	New South Wales,Australia	34.7233S	149.1820E	550	From 1961-01-01 to 1972-08-09
Dalton Road	CDAL	California,U.S.A.	37.7300N	121.7280W	190	From 1980-02-01
Dalyan (Mudla)	DALT	Turkey	36.7691N	28.6371E	548	From 2004-08-17 to 2009-04-08
Dalyan (Mu¯la)	DALY	Turkey	36.8171N	28.6536E	3	From 2009-04-09
Daman	DMN	Nepal	27.6090N	85.1060E	2225	From 1980-03-27
Damascus University	DUSS	Syria	33.5110N	36.2880E	667	
Damavand	IDMV	Iran	35.5772N	52.0322E	2546	From 1996-01-01
Damavand	DAMV	Iran	35.6302N	51.9708E	2300	From 2004-01-19
Dampier	DAM	Western Australia,Australia	20.6667S	116.6670E		
Damuels	DAVA	Austria	47.2867N	9.8803E	1602	
Dana Ranch, Cascade	D16A	Montana,U.S.A.	47.0308N	111.5492W	1427	From 2007-09-27 to 2009-07-14
Danby, Needles	DANC	California,U.S.A.	34.6375N	115.3812W	428	From 1998-09-22
Danda	WDT	Taiwan region	23.7560N	121.1330E	2550	
Dandelion	DAH	Hawaii,U.S.A.	19.3570N	155.6670W	3003	
Dane	DAN	Ontario,Canada	48.0667N	80.0167W		
Dangsing	DANN	Nepal	28.3500N	83.7600E	2500	From 1994-04-01
Daniels Canyon	DAU	Utah,U.S.A.	40.4125N	111.2560W	2771	From 1974-11-01
Danmarks Havn	DAG	Greenland	76.7714N	18.6547W	30	From 1972-09-14
Dannemora	DANY	New York,U.S.A.	44.8357N	73.7572W	507	From 1977-09-16 to 1982-05-13
Dannevirke	DVHZ	North Island,New Zealand	40.3006S	176.1664E	469	From 2008-01-14
Dannevirke	DNN	North Island,New Zealand	40.2167S	176.1170E	219	From 1932-07-01 to 1934-10-31
Dan Oppiter Farms, Dalhart	V27A	Texas,U.S.A.	35.7569N	102.8361W	1228	From 2009-04-14
Danville	A09A	Washington,U.S.A.	48.9752N	118.5851W	931	From 2006-09-13 to 2008-05-17
Daraweish	JDRJ	Jordan	30.7280N	35.6660E	1365	From 1990-04-26
Daraweish	JRDJ	Jordan	30.7280N	35.6660E	1365	From 1990-04-26
Darb Altahta	DRBT	Syria	36.8513N	39.8112E	596	From 2002-04-01
Darband	DBP	Pakistan	34.3760N	72.8710E	704	
Darby	F13A	Montana,U.S.A.	45.7893N	114.3317W	1462	From 2006-10-18 to 2009-06-11
Darende-Malatya	DARE	Turkey	38.9520N	37.8053E	1080	From 2007-07-31
Dar Kharkhour	DKH	Morocco	35.4880N	5.3608W	1237	
Darkhovein	SCNT	Iran	30.7070N	48.3901E	1	From 2010-08-11
Dar Kodiat	DKD	Morocco	30.3600N	9.1460W	345	From 2001-06-02

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Darlington East Ontario	DREO	Ontario,Canada	43.8724N 78.7040W	94	From 2007-06-22
Darlington West Ontario	DRWO	Ontario,Canada	43.8719N 78.7300W	59	From 2007-06-20
Darmstadt	WBB	Hessen,Germany	49.8434N 8.6626E	240	From 2003-01-10
Darouich	DRWC	Syria	36.6211N 36.6667E	920	From 1995-08-01
Dartmouth	DRT	Victoria,Australia	36.5833S 147.4920E	950	From 1975-12-01
Dartmouth Bedrock	DDBM	Victoria,Australia	36.5578S 147.5115E	329	
Dartmouth Crest	DDCM	Victoria,Australia	36.5609S 147.5241E	494	
Dartmouth Digital	DTMM	Victoria,Australia	36.5293S 147.4686E	436	
Daru	DNG	Papua New Guinea	9.0885S 143.2060E	3	
Darwin	DAR	Northern Territory,Australia	12.4083S 130.8180E	6	
Darwin (Calif)	DAC	California,U.S.A.	36.2770N 117.5937W	1813	From 1960-06-01
Darwin Parliament House	DPH	Northern Territory,Australia	12.4667S 130.8423E	45	From 2009-01-01
Darwin Rock Store	DRS	Northern Territory,Australia	12.4313S 130.8993E	44	From 2009-01-01
Dashabbas	IDSA	Iran	32.4828N 47.8416E	0	From 1998-01-01
Datca	DAT	Turkey	36.7290N 27.5778E	1100	From 2005-10-08
Datong	TTC	Shanxi,China	40.1350N 113.2370E	1175	
Davao	DAP	Mindanao,Philippines	7.0667N 125.6000E	19	From 1972-01-01 to 1999-08-25
Davao City--Mintal	DMPH	Mindanao,Philippines	7.0830N 125.5080E	150	
Davao City (W)	DAV	Mindanao,Philippines	7.0700N 125.5790E	145	From 1964-08-24
Davao Weather Station	DWP	Mindanao,Philippines	7.1272N 125.6557E		
Davenport	DPW	Washington,U.S.A.	47.8706N 118.2030W	892	From 1986-11-01
Davenport	DVW	Washington,U.S.A.	47.6383N 118.2260W	717	From 1975-06-01
Davenport Ranch, Sheffield	429A	Texas,U.S.A.	30.6248N 101.8938W	804	From 2009-02-13
David	DVD	Panama	8.4358N 82.4506W	20	From 1986-06-01
David-gareji	DGRG	Georgia	41.4507N 45.3732E	690	
Da Vinci Academy	DAIL	Illinois,U.S.A.	41.9776N 88.3414W	647	
Davis Peak	DPD	California,U.S.A.	35.2330N 120.7817W	488	
Davis Ranch, Arriba	P26A	Colorado,U.S.A.	39.5602N 103.3465W	1566	From 2008-12-02
Davos	DAVON	Switzerland	46.8368N 9.7967E	2800	
Davos	DAVOS	Switzerland	46.8394N 9.7939E	2800	From 1974-09-10 to 2002-02-15
Davos/Dischmatal	DAVOX	Switzerland	46.7805N 9.8795E	1830	From 2002-07-25
Dawson	DAWY	Yukon Territory,Canada	64.0655N 139.3910W	808	From 1992-09-30
Dawson City	DWY	Yukon Territory,Canada	64.0533N 139.4320W	346	From 1984-09-17
Dawson Falls	DFE	North Island,New Zealand	39.3275S 174.1036E	880	From 1992-06-01
Dawson Inlet	DAWS	British Columbia,Canada	53.2340N 132.4782W	211	
Dawson Inlet, BC	DIB	British Columbia,Canada	53.2025N 132.4767W	68	From 2004-03-15
Day	DAY	Djibouti	11.7527N 42.6382E		
Dayton	DYTN	Tennessee,U.S.A.	35.4910N 85.0920W	580	
Deadman Bay	DMB	Alaska,U.S.A.	57.0872N 153.9600W	300	From 1975-10-01
Deadman Peak	DMPK	New Mexico,U.S.A.	36.4264N 106.7760W	2664	From 1976-11-22
Dead Sea	DSI	Israel	31.5700N 35.3800E	200	
Dead Sea Dam 2	DSD2	Israel	31.1800N 35.4400E	-390	
Deagu-acc	KSDAU	South Korea	35.8856N 128.6187E	0	From 2007-12-11
Dease Lake	DLB	British Columbia,Canada	58.4270N 130.0610W	1210	
Dease Lake	DLBC	British Columbia,Canada	58.4372N 130.0270W	978	From 1994-09-28
Death Valley	DV-CL	California,U.S.A.	35.8333N 116.1017W	792	From 1962-01-20 to 1962-04-23
Death Valley	DV-	California,U.S.A.	35.8333N 116.1017W	792	From 1962-01-20 to 1962-04-23
De Beque	P20A	Colorado,U.S.A.	39.4998N 108.3912W	1738	From 2007-12-08 to 2010-02-07
De Bilt	DBN	Netherlands	52.1017N 5.1767E	3	From 1908-08-01
Debin	DBI	Magadanskaya Oblast',Russia	62.3390N 150.7550E	332	
Debrecen	DEB	Hungary	47.5611N 21.6389E	0	
Deception Hills	DHAK	Alaska,U.S.A.	59.0912N 138.2136W	678	
Deception Island	DEC	South Shetland Islands	62.9833S 60.7167W	7	
Deep Cove	DCZ	South Island,New Zealand	45.4783S 167.1540E	20	From 1991-05-28
Deep Springs	DSP	California,U.S.A.	37.3700N 117.9700W	0	
Deer Creek Reservoir	DCU	Utah,U.S.A.	40.4137N 111.5270W	1829	From 1974-11-01
Deer Hill, Carlsbad	225A	New Mexico,U.S.A.	32.1101N 104.8229W	1703	From 2008-03-26 to 2010-02-19
Deer Island	DRIA	Alaska,U.S.A.	54.9661N 162.2629W	457	From 1996-07-01
Deer Island	DRRA	Alaska,U.S.A.	54.9235N 162.2832W	380	
Deer Lake	DRLN	Newfoundland,Canada	49.2560N 57.5042W	238	From 1993-12-14
Deerlick Creek	DLC	Alabama,U.S.A.	33.2608N 87.4448W	137	
Deer Lodge	E15A	Montana,U.S.A.	46.4246N 112.6412W	1520	From 2006-10-10 to 2009-06-12
Degenried	ZUR	Switzerland	47.3692N 8.5809E	615	From 1913-01-01
Dehradun	DHDN	Himachal Pradesh,India	30.3280N 78.0143E	619	From 2007-05-01
Dehra Dun	DDI	Uttar Pradesh,India	30.3225N 78.0556E	682	
Dehrash	IDHR	Iran	34.6997N 46.3867E	1866	From 2004-01-01
Deir Qamar	DQRL	Lebanon	33.7057N 35.5702E	963	From 2010-03-30
Dekalb	DEK	Illinois,U.S.A.	41.9331N 88.7650W	259	From 1987-01-01
Delaikoro	NDE	Fiji	16.5860S 179.3176E	941	From 1981-11-01
Delamar Landing Field, Caliente	S12A	Nevada,U.S.A.	37.6083N 114.8489W	1479	From 2007-02-10 to 2008-09-17
Delamar Mountains	DLM	Nevada,U.S.A.	37.6063N 114.7384W	1744	From 1978-06-08 to 2002-10-10
Del Amo	DLAC	California,U.S.A.	33.8482N 118.0962W	14	
Delary	DEL	Sweden	56.4700N 13.8700E	150	From 1969-10-25
Delary	DEL1	Sweden	56.4717N 13.8683E	150	From 1967-08-01 to 1969-10-24
Delaware Emergency Management Agency	DEMA	Delaware,U.S.A.	39.3187N 75.6098W	12	
Delaware (Ont)	DLA	Ontario,Canada	42.8583N 81.5733W	227	From 1975-06-01
Delcer	SLDE	St Lucia	13.8031N 61.0583W	246	
Delcommune	DCC	Congo (Kinshasa)	10.5100S 25.4550E	1437	
Delhi	DH-NY	New York,U.S.A.	42.2442N 74.8883W	652	From 1961-10-28 to 1965-11-15
Delhi	DH-	New York,U.S.A.	42.2442N 74.8883W	652	From 1961-10-28 to 1965-11-15
Delisi	TBLG	Georgia	41.7309N 44.7382E	510	From 1976-01-01
Dell	DLAR	Arkansas,U.S.A.	35.8097N 90.0080W	67	
Dellbruck	BA08	Nordrhein-Westfalen,Germany	50.9642N 7.0755E	58	From 2006-10-01
Delli Paoli	DPLY	New York,U.S.A.	41.2528N 73.9108W	67	
Dell Rapids	DL-SD	South Dakota,U.S.A.	43.8328N 96.7733W	488	From 1962-12-28 to 1963-03-21
Dell Rapids	DL-	South Dakota,U.S.A.	43.8328N 96.7733W	488	From 1962-12-28 to 1963-03-21
Delmo Park	DPM	Montana,U.S.A.	45.9690N 112.2690W	1855	From 1984-01-01 to 1985-07-22
Deloro Mine	DELO	Ontario,Canada	44.5177N 77.6186W	213	
Delta	DELX	Baja California,Mexico	32.3552N 115.1872W	28	From 1987-02-01
Delta Junction E	DJE	Alaska,U.S.A.	64.0280N 145.6790W	378	From 1990-06-07 to 2002-12-20
Delta Microwave	DMW	Alaska,U.S.A.	64.0563N 145.7310W	346	From 1986-01-01
Del Valle	CL1	California,U.S.A.	37.5663N 121.6800W	250	From 1979-10-10
Del Valle	CDVM	California,U.S.A.	37.5663N 121.6800W	250	From 1979-10-10
Demacu	DEIG	Mexico D.F.,Mexico	20.3012N 99.0353W	1994	From 2003-06-28
Demirci	DEMI	Turkey	39.0428N 28.7162E	920	From 2007-05-21
Demirkent	DDEM	Turkey	40.8923N 41.7507E	1149	From 2007-09-26
Demirkopru	DKP	Turkey	38.6142N 28.3128E	250	
Demirkoy	DMK	Turkey	41.8216N 27.7572E	315	From 1970-08-01 to 2003-02-28
Demirtas	DMT	Turkey	40.2750N 29.0972E	140	From 1978-08-01 to 1999-08-25
Demmitville	DMV	Missouri,U.S.A.	36.7040N 89.7450W	89	
Denali Highway	DHY	Alaska,U.S.A.	63.0763N 147.3730W	1615	From 1993-07-06
Denizli	DENT	Turkey	37.7540N 29.0330E	637	
Denniston	DNS	South Island,New Zealand	41.7381S 171.7960E	600	From 1968-05-25 to 1968-07-02
Denniston North	DSZ	South Island,New Zealand	41.7469S 171.8030E	630	From 1990-02-19
Denny Creek	YPDC	Montana,U.S.A.	44.7095N 111.2397W	2025	
Denpasar	DNP	Bali,Indonesia	8.6772S 115.2102E	15	From 1968-01-01
Denpasar	IGBI	Bali,Indonesia	8.8181S 115.1456E	0	From 2005-01-01
Dent	DEI	Idaho,U.S.A.	46.6400N 116.1990W	960	From 1971-10-01 to 1974-07-25
Dent Fell	XDE	England,United Kingdom	54.5058N 3.4897W	291	From 1983-04-15
Denton	DNT	Texas,U.S.A.	33.2167N 97.1333W	208	From 1925-01-01 to 1999-08-25
Denver	DEN	Colorado,U.S.A.	39.7917N 105.0330W	1655	From 1909-08-01
Denville	DENJ	New Jersey,U.S.A.	40.9662N 74.4642W	298	
Deoband	DBND	Uttar Pradesh,India	29.7167N 77.7312E	210	From 2007-05-01
Deokjeokdo	KSDEI	South Korea	37.2558N 126.1049E	0	From 2008-01-01
Deposit	DP-	New York,U.S.A.	42.0883N 75.4522W	579	From 1962-07-07 to 1962-07-17
Deposit	DP-NY	New York,U.S.A.	42.0883N 75.4522W	579	From 1962-07-07 to 1962-07-17
Deputatskiy	DEPR	Sakha,Russia	69.3920N 139.9020E	320	From 2003-08-27
Derazinda	DRP	Pakistan	31.7440N 70.2028E	638	
Derbent	DERT	Turkey	40.3558N 29.6760E	50	From 1994-01-01
Derbent	DRN	Dagestan,Russia	42.0300N 48.3300E	-28	
Derby	DVT	Vermont,U.S.A.	44.9620N 72.1709W	370	
Derby	DER	Colorado,U.S.A.	39.8678N 104.8840W		
Dersam	DNY	New York,U.S.A.	42.8363N 78.1688W	381	From 1971-07-01 to 1979-04-30
Derveni	DVI	Greece	38.1020N 22.4090E	410	From 2006-05-10
Desaguadero	DSG	Bolivia	16.5594S 69.0250W	3810	
Des Bee Dove	DBD	Utah,U.S.A.	39.3137N 111.0925W	2265	
Dese	DESE	Ethiopia	11.1180N 39.6352E	2538	From 1988-01-01
Desert	DES	Hawaii,U.S.A.	19.3367N 155.3880W	815	From 1958-07-01
Desert Coulee Ranch, Glasgow	C21A	Montana,U.S.A.	47.8264N 107.0960W	804	From 2008-09-04 to 2011-01-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Desert Hot Springs	DHS	California,U.S.A.	33.9667N	116.5000W	330	From 1948-01-01 to 1949-03-31
Deserto Penisola Sorrentina	DPS	Italy	40.6100N	14.3651E	456	From 1972-12-01
Deserto P. S.	DP1	Italy	40.6100N	14.3651E	456	From 1972-12-01
Desert Rsrch Ctr	DREC	California,U.S.A.	32.8053N	115.4468W	-13	
Desert Studies Ctr	DSCC	California,U.S.A.	35.1426N	116.1039W	283	
Desert Tortoise Park	DTP	California,U.S.A.	35.2675N	117.8450W	951	
Desert V Tower	DVTC	California,U.S.A.	32.6591N	116.1006W	881	
Desfina	DSF	Greece	38.4112N	22.5271E	699	From 2008-02-28
Desfina	DESF	Greece	38.4127N	22.5321E	750	From 2008-06-12
Des Moines	DMI	Iowa,U.S.A.	41.6000N	93.6833W	296	From 1934-12-20 to 1937-06-30
Despedida	DSPA	Tierra del Fuego,Argentina	53.9536S	68.2668W	150	
Dessel	BDSL	Belgium	51.2168N	5.0648E	22	From 2008-11-01
Detroit Lake	H04A	Oregon,U.S.A.	44.6837N	122.1862W	652	From 2005-11-09 to 2008-12-03
Deva	DEV	Romania	45.8833N	22.9033E	250	From 1970-02-01
Devers	DEVC	California,U.S.A.	33.9360N	116.5779W	337	
Devilbend	DVBM	Victoria,Australia	38.2874S	145.0977E	75	
Devil Canyon	DVL	California,U.S.A.	34.1998N	117.3280W	598	From 1974-12-01 to 1976-11-30
Devil Mountain	DMA	Alaska,U.S.A.	66.3100N	164.5200W	243	From 1977-08-01
Devils Kitchen North	DKNM	California,U.S.A.	36.0510N	117.8088W	1347	
Devils Point	DVP	Vanuatu	17.7253S	168.1870E		
Devrek	DVR	Turkey	41.1594N	32.0075E	960	From 1991-01-01
Dezadeash Lake	DLY	Yukon Territory,Canada	60.3700N	137.0650W	738	From 1978-11-20 to 1981-03-31
Dgnorisa	DGN	Georgia	42.4666N	42.8333E	450	From 1979-01-01
Dhahab	HDHB	Egypt	28.7221N	34.6188E	19	
Dhahran	DHR	Saudi Arabia	26.3039N	50.1389E	72	
Dhama@18r BB	DHBB	Yemen	14.5710N	44.3900E	2460	
Dhamar	DHMR	Yemen	14.5610N	44.3870E	2429	From 1994-06-01
Dhamar	DAMY	Yemen	14.5725N	44.3917E	2488	
DHARAMSHALA	DHRM	Himachal Pradesh,India	32.2500N	76.3000E	1995	From 1998-09-20
Dharan Janob	DHJN	Saudi Arabia	17.6600N	43.4890E	2400	From 1990-06-13
Dharma Camp	DHRN	Northwest Territories,Canada	67.0331N	119.5088W	218	From 2009-07-15
Dharwar	DHD	Goa, Daman and Diu,India	15.4328N	74.9844E	755	
Diablo Creek	DCD	California,U.S.A.	35.2122N	120.8408W	238	
Diadem	DMP	South Island,New Zealand	44.4142S	169.8270E	820	From 1975-06-01 to 1983-11-21
Diamond D Ranch, Stanley	H12A	Idaho,U.S.A.	44.5494N	114.8554W	1777	From 2006-11-17 to 2009-07-27
Diamond G Ranch, Dubois	I18A	Wyoming,U.S.A.	43.7013N	109.8171W	2322	From 2007-10-26 to 2009-09-18
Diamond Head	DHH	Hawaii,U.S.A.	21.2686N	157.8040W	137	From 1985-05-01
Diamond Ranch	DIR	California,U.S.A.	36.3363N	120.3760W	496	From 1973-11-07 to 1975-06-16
Diavik Mine	DVKN	Northwest Territories,Canada	64.5092N	110.3096W	420	
Dickey	D1A	Maine,U.S.A.	47.0586N	69.0989W	305	From 1976-10-01 to 1999-01-31
Dickey	D2A	Maine,U.S.A.	47.1303N	69.1503W	402	From 1976-10-01 to 1999-08-25
Dickey	D3A	Maine,U.S.A.	47.0875N	69.1669W	259	From 1976-10-01 to 1999-08-25
Dickey	D4A	Maine,U.S.A.	47.1881N	69.2767W	490	
Dickey	D5A	Maine,U.S.A.	47.0113N	69.2650W	365	
Dickey	D6A	Maine,U.S.A.	47.0890N	69.4957W	430	
Dickinson College	DCP	Pennsylvania,U.S.A.	40.2040N	77.1970W	143	From 1990-01-14
Dider Farm, Eltopia	E08A	Washington,U.S.A.	46.4911N	119.0595W	233	From 2006-09-26 to 2008-12-03
Didima	DID	Greece	37.5063N	23.2368E	520	From 2006-04-10
Didyma	DIDY	Greece	37.4765N	23.2118E	1036	From 2008-10-13
Didziasalis	IDID	Lithuania	55.3148N	26.7390E	141	
Diego Garcia	DGAR	Chagos Archipelago	7.4121S	72.4525E	0	
DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	DGAR	Chagos Archipelago	7.3778S	72.4842E	1	From 2002-12-18
Dienbien	DBV	Vietnam	21.3900N	103.0250E	1050	
Difesa San Luca	DSB1	Italy	41.2872N	14.9769E	940	
Diga del Menta	ME05	Italy	38.1243N	15.8999E	1458	From 2007-10-22 to 2010-01-31
Digger Butte	LDBM	California,U.S.A.	40.4317N	121.7850W	1225	
Dighton	R30A	Kansas,U.S.A.	38.2844N	100.2769W	776	From 2009-04-16
DIGLIPUR	DGPR	Andaman Islands,India	13.1776N	92.9305E	30	From 2008-01-27
Digne	OGDI	Provence-Cote d'Azur,France	44.1100N	6.3003E	770	
Digne	OG29	Rhone-Alpes,France	44.0925N	6.2650E	685	From 1991-01-22
Digorskoe uzhel'e	DIGR	Severo-Osetinskaya,Russia	42.8994N	43.5807E	1907	From 2003-11-01
Dikili	DKL	Turkey	39.0713N	26.9054E	45	From 2010-07-22
Dikmen	DIKM	Turkey	41.6496N	35.2578E	258	From 2006-06-27
Dilar	DILR	Spain	37.0430N	3.6188W	1100	
Dilar	EXDI	Spain	37.0680N	3.6010W	898	
Dili	DLI	East Timor	8.5669S	125.5533E	0	
Dillingham	DLL	Alaska,U.S.A.	59.0000N	158.7000W	0	
Dillon	DI-	Montana,U.S.A.	45.1736N	112.4478W	1859	From 1966-05-23 to 1966-05-24
Dillon	G15A	Montana,U.S.A.	45.1660N	112.4887W	1857	From 2006-11-09 to 2009-06-09
Dillon	DLMT	Montana,U.S.A.	45.3625N	112.5964W	1569	
Dillon	DI-MA	Montana,U.S.A.	45.1736N	112.4478W	1859	From 1966-05-23 to 1966-05-24
Dillon Ranch	DIL	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dillon Ranch	HDLM	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dillon Ranch	AN5*	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dilts Ranch, Bill	J23A	Wyoming,U.S.A.	43.4036N	105.5524W	1499	From 2008-10-15
Dimbokro	DBIC	Ivory Coast	6.6701N	4.8563W	25	
DIMBOKRO INFRASONIC ARRAY REFERENCE POINT	DIMC	Ivory Coast	6.6704N	4.8569W	156	From 2002-03-29
Dimitrovgrad	DIM	Bulgaria	42.0500N	25.5333E	160	
Dimmadals¯¡s	IDIM	Iceland	65.9615N	16.9319W	266	From 2008-11-20
Dimmitt	X28A	Texas,U.S.A.	34.5185N	102.1973W	1160	From 2009-01-22
Dimona	DIMI	Israel	31.0080N	35.1020E	520	
Dine' College, Tsaile	U19A	Arizona,U.S.A.	36.2925N	109.2076W	2166	From 2008-02-21
Dipolog	DIP	Mindanao,Philippines	8.6000N	123.3500E	3	From 1972-01-01 to 1972-10-31
Dipolog City	DCPH	Mindanao,Philippines	8.5830N	123.3520E	5	
Dirks Ranch, Alva	H24A	Wyoming,U.S.A.	44.7473N	104.5524W	1166	From 2008-10-20
Disappointment Valley, Cahone	S20A	Colorado,U.S.A.	37.8300N	108.3605W	2355	From 2008-06-19 to 2010-02-07
Discovery Mine	DSMN	Northwest Territories,Canada	63.1799N	113.9004W	307	
Disk Island	DSK	Alaska,U.S.A.	60.5020N	147.6470W	15	From 1974-07-27 to 1975-10-18
Disney	DWPF	Florida,U.S.A.	28.1103N	81.4328W	-142	
Divibare	DIVS	Serbia	44.0982N	19.9917E	996	From 2003-09-27
Divide	DIV	Alaska,U.S.A.	61.1295N	145.7717W	931	
Divide	Q24A	Colorado,U.S.A.	38.9641N	105.1492W	2775	From 2008-06-28
Divnogorie	VORD	Voronezhskaya Oblast',Russia	50.9660N	39.2930E	94	From 1998-02-01
Divnogorsk	DVG	Krasnoyarskiy Kray,Russia	55.9561N	92.4036E	241	From 2001-12-18
Divot King Ranch, Dilley	733A	Texas,U.S.A.	28.7192N	99.2939W	169	From 2009-12-03
Dixie Hot Springs	DIXR	Nevada,U.S.A.	39.8022N	118.0820W	1143	From 1980-01-01
Dixie Valley	P08A	Nevada,U.S.A.	39.6946N	118.0800W	1040	From 2006-02-26 to 2008-03-11
Dixon Ranch, Lance Creek	J24A	Wyoming,U.S.A.	43.3305N	104.6613W	1315	From 2008-10-25
Diyadin	DYDN	Turkey	39.5436N	43.6889E	2010	From 2006-09-13
Diyarbakir	DIY	Turkey	37.8958N	40.2263E	900	From 1994-01-06
Diyarbakir	DYBB	Turkey	37.9531N	40.1394E	826	From 2009-12-10
Diyarbakir	DIYA	Turkey	37.9234N	40.1208E	838	From 2006-12-18
Djebel Ababsia	CABS	Algeria	36.2733N	7.4778E	1025	
Djebel Ababsia	ABSA	Algeria	36.2733N	7.4778E	1025	
Djebel Berber	OJBR	Algeria	35.5835N	0.3450E	800	
Djebel Bou Affroun	DFRA	Algeria	36.5450N	5.8769E	1187	
Djebel Bou Ahmed	EBHM	Algeria	36.3772N	1.0758E	829	
Djebel Bou Ietas	OBLS	Algeria	34.9750N	0.4420W	1053	
Djebel Bou Maad	EBOM	Algeria	36.4222N	2.2128E	1225	
Djebel Bou Yalou	EBYL	Algeria	36.4242N	1.8325E	1051	
Djebel Djouab	ADJB	Algeria	36.1577N	3.4380E	1140	
Djebel Guires	OJGS	Algeria	35.5045N	0.7497E	920	
Djebel Kef Guellal	OKGL	Algeria	36.0380N	0.6430E	560	
Djebel Ketaf	AKET	Algeria	36.0470N	3.8822E	1428	
Djebel Kodjel	OKJL	Algeria	35.0405N	0.1647E	1075	
Djebel Mahouada	EMHD	Algeria	36.2008N	2.9530E	1250	
Djebel Manchoura	CMAH	Algeria	36.6250N	7.4197E	795	
Djebel Midouna	OMID	Algeria	35.2800N	0.1900W	745	
Djebel Saadia	ESAD	Algeria	35.9167N	1.3572E	890	
Djebel Tachoubennt	ETHB	Algeria	36.0245N	1.7300E	1070	
Djebel Tanoua	ETAN	Algeria	35.9083N	2.3358E	1595	
Djebel Tarf	ATAF	Algeria	35.8737N	4.2772E	1000	
Djebel Teioualt	CTEI	Algeria	36.0630N	6.4063E	1285	
Djebel Tessala	OTSS	Algeria	35.2817N	0.7942W	1055	
Djerdap	DJES	Serbia	44.6660N	22.5200E	392	From 1996-05-20
Dmanisi	DMNS	Georgia	41.3300N	44.2000E	1260	
Doab	IDOB	Iran	33.7874N	48.1774E	1935	From 2008-01-01
Doan Hung	DHV	Vietnam	21.6268N	105.1838E	70	
Dobbs Creek Ranch, Lacey	D04A	Washington,U.S.A.	47.1109N	122.8035W	31	From 2005-10-24 to 2008-03-29

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Dobcross Hall	BDL	Scotland,United Kingdom	54.8030N	2.9385W	157	
Doboj	DOB	Bosnia and Herzegovina	44.7330N	18.1000E	165	From 2003-09-01
Dobrina	DOBS	Slovenia	46.1495N	15.4691E	425	From 1996-12-01
Dobrovo	DBY	Slovenia	45.9990N	13.5280E	100	From 1989-08-14 to 1989-08-17
Dobruska-Polom	DPC	Czech Republic	50.3502N	16.3222E	748	
Dochfour	MDO	Scotland,United Kingdom	57.4410N	4.3630W	366	From 1981-01-01
Dochia	DOC	Romania	46.9069N	26.5500E	330	From 1984-01-01 to 1988-08-15
Docker River	DOCK	Western Australia,Australia	24.8380S	129.0334E	650	
Dodaira	DDR	Saitama,Japan	35.9983N	139.1930E	800	From 1966-04-01
Dodoma	DOD	,United Republic of Tanzania	6.2083S	35.7556E	1204	
Dodoni	DDN	Greece	39.5314N	20.8449E	1108	From 2007-11-07
Dodson Butte	DBO	Oregon,U.S.A.	43.1192N	123.2430W	984	From 1990-08-01
Doetra (Olivone)	DOETR	Switzerland	46.5324N	8.8773E	1771	From 2005-12-15
Dog Skin Mountain	DSM	Nevada,U.S.A.	39.8672N	119.7087W	1804	
Dogwood	DWDM	Missouri,U.S.A.	36.7961N	89.4927W	89	
Dogwood	DWM	Missouri,U.S.A.	36.8050N	89.4900W	92	From 1974-11-20
Doi Son	DSV	Vietnam	20.5870N	105.9740E	70	
Dolbeau-Mistassini	DMCQ	Quebec,Canada	48.9646N	72.0680W	197	From 2009-09-15
Dolgoi Island	DLG	Alaska,U.S.A.	55.1410N	161.8358W	367	
Dolgoi Island	DOL	Alaska,U.S.A.	55.1485N	161.8636W	442	From 1996-07-01
Dolores	ABRA	Luzon,Philippines	17.6490N	120.7120E	50	
Dombai	DOMR	Stavropol'skiy Kray,Russia	43.2920N	41.6240E	1608	From 2006-10-25
Dombas	DOMB	Norway	62.0424N	9.0642E	660	
Domengine Ranch	PDRM	California,U.S.A.	36.3357N	120.3690W	488	
Domenigoni Valley Reservoir	DGR	California,U.S.A.	33.6500N	117.0095W	609	From 1993-03-17
Dome Shelter	DRZ	North Island,New Zealand	39.2764S	175.5640E	2600	From 1984-04-01
Dominica	DOM	Dominica	15.2960N	61.3910W	15	From 1953-02-03
Domo	DOMO	Ecuador	0.3033N	78.3592W	3600	From 1994-04-01 to 1994-08-31
Domodossola	DMD	Italy	46.1167N	8.3000E	280	
Dompierre	DOMF	Nord-Pas-de-Calais,France	50.1288N	3.8610E	145	
Dongducheon	KSDDC	South Korea	37.9000N	127.0577E	112	From 2000-11-10
DONGHAE	KSTOH	South Korea	37.5026N	129.1226E	40	From 2000-03-10
Dongo Capesterre	DOG	Guadeloupe	16.0320N	61.6178W	460	
Dongola	DON	Missouri,U.S.A.	37.1760N	89.9330W	165	From 1974-07-10
Donna J Jenkins	DJJ	California,U.S.A.	34.1062N	118.4551W	268	
Donnelly	H11A	Idaho,U.S.A.	44.7035N	116.0127W	1525	From 2006-10-27 to 2008-07-16
Donnelly Dome	DDM	Alaska,U.S.A.	63.7872N	145.8630W	920	From 1977-09-01
Donner Summit	DONR	California,U.S.A.	39.3517N	120.3205W	2268	
Don Santos Ranch	CDSM	California,U.S.A.	37.9663N	122.2530W	109	From 1973-11-15
Doolan Road	CDOM	California,U.S.A.	37.7300N	121.8350W	198	From 1970-07-29
Doolan Road	DOO	California,U.S.A.	37.7300N	121.8350W	198	From 1970-07-29
Doongara	DNGQ	Queensland,Australia	20.5550S	146.4750E	280	From 1984-02-29
Dopca	DOPR	Romania	45.9674N	25.3887E	526	From 2005-08-31
Dora Dora	DRAM	Victoria,Australia	35.9654S	147.3754E	230	
Dorchester	DRC	South Carolina,U.S.A.	33.1075N	80.3883W	20	
Dorgali Grotta	DGI	Sardinia,Italy	40.3182N	9.6067E	343	
Dorot	DOR	Israel	31.5090N	34.6860E	130	
Dortyol	DRTT	Turkey	36.8400N	36.2480E	45	From 1994-03-01
Dos Bocas Dam	DOS	Puerto Rico	18.3294N	66.6789W	400	From 1974-08-16 to 1975-07-17
Dos Picos Cty Pk	DPP	California,U.S.A.	32.9986N	116.9415W	463	
Dos Rios de Upala	2RIO	Costa Rica,Costa Rica	10.5284N	85.2332W	619	
Dosso del Sommo	DDS	Italy	45.8800N	11.1883E	1670	From 1981-06-15
Dot Lake	DOT	Alaska,U.S.A.	63.6487N	144.0620W	671	From 1986-01-01
Double 8 Ranch, Willits	P01C	California,U.S.A.	39.4690N	123.3375W	440	From 2005-08-24 to 2007-09-04
Double Butte	DB2	California,U.S.A.	33.7352N	117.0629W	591	
Double Diamond Ranch, Oakley	L13A	Idaho,U.S.A.	42.0886N	113.9444W	1482	From 2006-12-13 to 2008-08-07
Double Mountain	DBM	California,U.S.A.	34.9790N	118.3610W	1204	
Double T Ranch, Babb	A14A	Montana,U.S.A.	48.9725N	113.4218W	1420	From 2007-09-03 to 2009-08-13
Douglas	319A	Arizona,U.S.A.	31.3757N	109.2809W	1187	From 2007-03-06 to 2010-05-28
Douliou City	WDL	Taiwan region	23.7150N	120.5390E	41	From 1999-08-04
Dourbes	DOU	Belgium	50.0960N	4.5950E	224	From 1982-07-01
Dourbes	NE06	Belgium	50.0960N	4.5942E	225	From 1982-07-01 to 2001-07-28
Downhole Baldwin Hills	DHB	California,U.S.A.	34.0175N	118.3850W		From 1973-03-01
Downie Pk Ridge	DPRB	British Columbia,Canada	51.5750N	118.1970W	2135	
Downie Slide	DOWB	British Columbia,Canada	51.5183N	118.5160W	594	
Downsview	DVO	Ontario,Canada	43.7833N	79.5167W	193	From 1975-08-01
Doyle Hill	DHN	New York,U.S.A.	42.8255N	78.1930W	491	
Dracevica, Montenegro	DRME	Montenegro	42.1867N	19.1843E	300	From 2009-06-09
Dragan	DRR	Romania	46.7869N	22.7219E	955	From 1979-01-01 to 2004-03-05
Dragasani	DRA	Romania	44.6786N	24.2561E	180	From 1978-01-01
Drage	N2B4	Norway	62.1190N	5.2430E	110	
Dragoon	218A	Arizona,U.S.A.	31.9737N	110.0464W	1486	From 2007-03-05 to 2009-01-20
Dragot	DRGI	Israel	31.5930N	35.3920E	12	
Drake Creek	DCID1	Idaho,U.S.A.	43.5945N	111.1845W	1871	
Dramaga	DBJI	Jawa,Indonesia	6.5538S	106.7497E	211	From 2005-01-01
Draper Farm, Castleford	K12A	Idaho,U.S.A.	42.6360N	114.9029W	1091	From 2006-12-11 to 2008-07-25
Dreilaegerbach Talsperre	DREG	Nordrhein-Westfalen,Germany	50.6630N	6.2330E	390	From 2006-11-01
Drenchia	DRE	Italy	46.1733N	13.6433E	810	From 1982-12-20
Drewsey	I08A	Oregon,U.S.A.	43.9104N	118.5692W	1189	From 2006-07-23 to 2008-04-06
Drift River	DFR	Alaska,U.S.A.	60.5920N	152.6860W	1097	From 1988-08-15
Dromana	DROM	Victoria,Australia	38.3482S	144.9598E	138	
Drossia	DRO	Greece	37.9523N	21.7104E	422	From 2009-07-16
Drum Mountains (BLM), Topaz	P14A	Utah,U.S.A.	39.5906N	113.0687W	1784	From 2007-06-12 to 2008-11-18
Drumtochty	EDR	Scotland,United Kingdom	56.9190N	2.5393W	388	From 1989-01-12
Dry Creek	DCI	Idaho,U.S.A.	43.9548N	111.0960W	2020	From 1974-06-01 to 1980-07-24
Dry Creek	GDCM	California,U.S.A.	38.7672N	123.2400W	772	From 1975-05-07
Dry Ridge	DY-KY	Kentucky,U.S.A.	38.6497N	84.6433W	259	
Dry Ridge	DY-	Kentucky,U.S.A.	38.6497N	84.6433W	259	
Drytown Water District	ADWM	California,U.S.A.	38.4392N	120.8480W	251	From 1976-07-21
Dry Willow Peak	DWU	Utah,U.S.A.	38.1053N	112.9980W	2270	
Duarte Ranch	DUC	California,U.S.A.	38.0297N	122.0010W	168	From 1971-04-28
Duba	DBAS	Saudi Arabia	27.2100N	35.9700E	452	
Dubki	DBC	Dagestan,Russia	43.0200N	46.8300E	900	
Dublin	DSB	Ireland	53.2452N	6.3762W	236	From 1993-12-01
Dublin Merrion Square	DMS	Ireland	53.3406N	6.2486W	5	From 1990-11-01 to 2002-01-06
DUBNA INFRASONIC ARRAY REFERENCE POINT	I43RU	Moskovskaya Oblast'	56.7214N	37.2176E	120	From 2009-05-20
Dubrovnik	DBR	Croatia	42.6470N	18.0790E	68	
Dubuque	DBQ	Iowa,U.S.A.	42.5067N	90.6833W	244	From 1962-01-01
Ducktown	DCT	Tennessee,U.S.A.	35.0542N	84.4194W	508	
Duckwater	Q11A	Nevada,U.S.A.	38.8455N	115.6541W	1562	From 2006-06-08 to 2008-09-11
Dugan Ranch, Towner	B28A	North Dakota,U.S.A.	48.4492N	100.3616W	451	From 2009-08-10
Dugi Otok	DUOK	Croatia	44.1131N	14.9318E	115	
Dugout Coal Mine	DCM	Utah,U.S.A.	39.6950N	110.5833W	2537	
Dugway	DUG	Utah,U.S.A.	40.1950N	112.8130W	1477	From 1962-05-09
Duke of York Island	DOY	New Britain,Papua New Guinea	4.2170S	152.3980E	1	From 1983-11-17
Dulce	DNM	New Mexico,U.S.A.	36.9333N	106.9960W		
Duluth	DUL	Minnesota,U.S.A.	46.8200N	92.0833W	340	From 1952-01-01 to 1961-12-31
Dumont d'Urville	DRV	Terre Adelie	66.6650S	140.0090E	40	
Dundee	EDU	Scotland,United Kingdom	56.5475N	3.0142W	275	From 1969-01-01
Dunderburg Mountain	DBMY	New York,U.S.A.	41.2944N	73.9750W	27	
Dundo	DUN	Angola	7.4088S	20.8372E	709	From 1970-03-01
Dundret	DUNU	Sweden	67.1215N	20.5688E	500	From 2003-11-25
Dunedin	DNZ	South Island,New Zealand	45.8664S	170.5150E	15	From 1979-11-05
Dunedin-Penfold	DND	South Island,New Zealand	45.8833S	170.5320E	100	From 1945-01-01 to 1983-10-31
Dungji	WDGT	Taiwan region	23.2600N	119.6600E	33	
Dungshr Township	TWDS	Taiwan region	24.2600N	120.8310E	367	From 2001-04-10
Dunmovintown East	DTEM	California,U.S.A.	36.0975N	117.9258W	1152	
Dunnerdale	CDU1	England,United Kingdom	54.3362N	3.1952W	355	From 1992-01-01
Dunnigan Hills	NDHM	California,U.S.A.	38.7655N	121.9120W	69	
Dunn Peak	DPI	Idaho,U.S.A.	47.2887N	116.8990W	1709	
Dunn Ranch,Anza	DNR	California,U.S.A.	33.5667N	116.6306W	1274	From 2001-10-22
Dunphy	N10A	Nevada,U.S.A.	40.7186N	116.5080W	1392	From 2006-05-02 to 2008-08-15
Dunsink Observatory	DDK	Ireland	53.3869N	6.3392W	85	From 1977-04-01 to 2002-01-06
Duppenweiler	DUP	Rheinland-Pfalz,Germany	49.4113N	6.7863E	280	
Dupree	G27A	South Dakota,U.S.A.	45.3791N	102.9310W	761	From 2009-06-25
Duragan	DGT	Turkey	41.4258N	35.0655E	255	From 1976-09-01
Durango	DR-CO	Colorado,U.S.A.	37.4647N	107.7833W	2225	From 1961-10-01 to 1964-12-30
Durango	DGC	Colorado,U.S.A.	37.2625N	107.8990W	2340	From 1970-01-01 to 1972-11-30
Durango	DR-	Colorado,U.S.A.	37.4647N	107.7833W	2225	From 1961-10-01 to 1964-12-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Durant	DU-OK	Oklahoma,U.S.A.	34.0364N	96.2178W	198	From 1963-08-14 to 1964-03-09
Durant	DU-	Oklahoma,U.S.A.	34.0364N	96.2178W	198	From 1963-08-14 to 1964-03-09
Durate Ranch	CDUM	California,U.S.A.	38.0297N	122.0010W	168	From 1971-04-28
Duren	BA11	Nordrhein-Westfalen,Germany	50.7666N	6.5010E	138	From 2006-10-01
Durham	DUR	England,United Kingdom	54.7684N	1.5850W	103	
Durham (NH)	DNH	New Hampshire,U.S.A.	43.1225N	70.8948W	24	From 1976-01-01
Durham Road	DREZ	North Island,New Zealand	39.1906S	174.2008E	272	From 2008-03-05
Durkee	H09A	Oregon,U.S.A.	44.6653N	117.6643W	1263	From 2006-07-29 to 2008-07-12
Duronia	DUI	Italy	41.6589N	14.4581E	918	
Dursunbey	DURS	Turkey	39.6011N	28.4742E	960	From 2007-05-29
Dursunbey	DST	Turkey	39.6040N	28.6191E	685	From 1975-10-22
Dursunbey	DRB	Turkey	39.5811N	28.6374E	620	From 1970-08-01 to 1975-10-22
D'Urville Island	DUWZ	South Island,New Zealand	40.8037S	173.9214E	454	From 2005-03-10
D'Urville Island	DIW	South Island,New Zealand	40.8022S	173.9220E	460	From 1990-06-01 to 2004-06-08
Dushanbe	DSH	Tajikistan	38.5583N	68.7750E	847	
Dusheti	DUS	Georgia	42.0902N	44.7019E	946	From 1953-01-01
Dusing	DSN	New York,U.S.A.	42.8443N	78.1803W	412	From 1971-07-01 to 1976-01-16
Dusty Glacier	YUK7	Yukon Territory,Canada	60.5307N	138.1399W	1992	From 2010-08-24
Dutch Harbor	DHA	Alaska,U.S.A.	53.8950N	166.5330W		
Dutch Harbor	DUT	Alaska,U.S.A.	53.8983N	166.5370W	60	
Dutton Round Hill	DT1	Alaska,U.S.A.	55.1075N	162.2808W	210	From 1996-08-01
Dutton South Flank	DTNA	Alaska,U.S.A.	55.1493N	162.2520W	366	From 1996-08-01
Duxbury	DXB	Massachusetts,U.S.A.	42.0610N	70.6992W	8	
Duxbury	DUX	Massachusetts,U.S.A.	42.0686N	70.7678W	27	From 1976-10-01
Dweir	DWR	Lebanon	33.3855N	35.0680E	420	
Dwight	DTN	Nebraska,U.S.A.	41.0217N	97.0358W	464	From 1980-08-25
Dyer Hill	DHW	Washington,U.S.A.	47.9605N	119.7690W	850	From 1975-06-01
Dyer Hill 2	DHW2	Washington,U.S.A.	47.9853N	119.7700W	884	
Dyersburg	DRTN	Tennessee,U.S.A.	36.1370N	89.3650W	137	From 1989-08-08
Dyersburg	DY1	Tennessee,U.S.A.	36.1917N	89.3917W	120	From 1969-01-01 to 1970-12-31
Dylym	DLMR	Dagestan,Russia	43.0700N	46.6300E	420	
Dzhafr	DZH	Tajikistan	39.1000N	70.5833E	1650	
Dzhankel'dy	DZN	Uzbekistan	40.8500N	63.3400E	211	
Dzherino	DZE	Tajikistan	38.7800N	68.8300E		
Dzherino	DZET	Tajikistan	38.8055N	68.8270E	1200	From 2010-02-23
Dzhirgatal'	DZT	Tajikistan	39.2200N	71.2200E		
Dzhizak	DZI	Uzbekistan	40.1200N	67.8200E	384	
Dziouia	ODZI	Algeria	35.2900N	1.2300W	293	From 2005-01-01
Eade Ranch	EADB	California,U.S.A.	35.8952N	120.4229W	254	
Eads	R27A	Colorado,U.S.A.	38.2859N	102.7980W	1201	From 2008-12-08
Eagle	EGC	Colorado,U.S.A.	39.6525N	106.8280W	2010	From 1970-01-01 to 1972-11-30
Eagle	P22A	Colorado,U.S.A.	39.5952N	106.7589W	2170	From 2008-06-22
Eagle	EGAK	Alaska,U.S.A.	64.7774N	141.1581W	296	
Eagle Butte	EBS	South Dakota,U.S.A.	44.9998N	101.2320W	735	From 1972-05-01
Eagle Creek	ECR	Idaho,U.S.A.	43.0540N	111.3710W	2086	
Eagle Field, Dos Palos	T05C	California,U.S.A.	36.8953N	120.6737W	46	From 2005-02-14 to 2007-09-03
Eagle Flat	EF-TX	Texas,U.S.A.	31.1764N	105.1300W	1433	From 1962-01-25 to 1962-05-03
Eagle Flat	EF-	Texas,U.S.A.	31.1764N	105.1300W	1433	From 1962-01-25 to 1962-05-03
Eagle Lake	637A	Texas,U.S.A.	29.4390N	96.3324W	45	From 2010-05-24
Eagle Lake Field Station, Susanville	ELFS	California,U.S.A.	40.6183N	120.7279W	1553	From 2005-05-20 to 2007-10-09
Eagle Mountain	MT2	Texas,U.S.A.	30.8990N	105.0800W	2088	From 1977-03-01 to 2003-01-28
Eagle Mountain	EAG	California,U.S.A.	33.8490N	115.4730W	366	From 1974-11-01 to 2002-12-20
Eagle's Nest	EGN	New York,U.S.A.	43.8595N	74.4818W	549	From 1971-09-01 to 1983-10-31
Eagleton	EGMT	Montana,U.S.A.	48.0240N	109.7547W	1055	
Early Rise 101	ER101	Ontario,Canada	47.9297N	83.1364W	457	
Early Rise 102	ER102	Ontario,Canada	48.1019N	82.6036W	457	
Early Rise 103	ER103	Ontario,Canada	48.2264N	82.1694W	305	
Early Rise 104	ER104	Ontario,Canada	48.3378N	81.7542W	396	
Early Rise 105	ER105	Ontario,Canada	48.4878N	81.2706W	305	
Early Rise 106	ER106	Ontario,Canada	48.5383N	80.7681W	274	
Early Rise 107	ER107	Ontario,Canada	48.5386N	80.2775W	305	
Early Rise 108	ER108	Ontario,Canada	48.5333N	79.8642W	457	
Early Rise 109	ER109	Quebec,Canada	48.7975N	79.3572W	290	
Early Rise 110	ER110	Quebec,Canada	48.8636N	78.8636W	305	
Early Rise 111	ER111	Quebec,Canada	48.6225N	78.3106W	305	
Early Rise 112	ER112	Quebec,Canada	48.6964N	77.9039W	320	
Early Rise 113	ER113	Quebec,Canada	48.8361N	77.4203W	290	
Early Rise 114	ER114	Quebec,Canada	49.1194N	77.0067W	305	
Early Rise 115	ER115	Quebec,Canada	49.3811N	76.5378W	305	
Early Rise 116	ER116	Quebec,Canada	49.5914N	76.0267W	305	
Early Rise 117	ER117	Quebec,Canada	49.8236N	75.6000W	305	
Early Rise 118	ER118	Quebec,Canada	49.8206N	75.1281W	381	
Early Rise 119	ER119	Quebec,Canada	49.7906N	74.6381W	381	
Early Rise 120	ER120	Quebec,Canada	49.9247N	74.2583W	396	
Early Rise 201	ER201	Quebec,Canada	49.5947N	74.2772W	381	
Early Rise 202	ER202	Quebec,Canada	49.3533N	74.0381W	46	
Early Rise 203	ER203	Quebec,Canada	49.1858N	73.6717W	381	
Early Rise 204	ER204	Quebec,Canada	49.0400N	73.3633W	381	
Early Rise 205	ER205	Quebec,Canada	48.8747N	72.9336W	351	
Early Rise 207	ER207	Quebec,Canada	48.5564N	72.3456W	123	
Early Rise 208	ER208	Quebec,Canada	48.4097N	71.9767W	137	
Early Rise 209	ER209	Quebec,Canada	48.4856N	71.6039W	168	
Early Rise 210	ER210	Quebec,Canada	48.3447N	71.1464W	152	
Early Rise 211	ER211	Quebec,Canada	48.2758N	70.7978W	274	
Early Rise 212	ER212	Quebec,Canada	48.1725N	70.2931W	183	
Early Rise 213	ER213	Quebec,Canada	48.0150N	70.0728W	244	
Early Rise 215	ER215	Quebec,Canada	47.8044N	69.4231W	152	
Early Rise 216	ER216	Quebec,Canada	47.6272N	69.0097W	290	
Early Rise 217	ER217	Quebec,Canada	47.4864N	68.6633W	366	
Early Rise 218	ER218	New Brunswick,Canada	47.4047N	68.3417W	175	
Early Rise 219	ER219	New Brunswick,Canada	47.2181N	67.9167W	183	
Early Rise 220	ER220	New Brunswick,Canada	47.0175N	67.7278W	173	
Early Rise 221	ER221	New Brunswick,Canada	46.9122N	67.3647W	213	
Early Rise 222	ER222	New Brunswick,Canada	46.8806N	66.9761W	442	
Early Rise 223	ER223	New Brunswick,Canada	46.8133N	66.6133W	396	
Early Rise 224	ER224	New Brunswick,Canada	46.5922N	66.2322W	122	
Early Rise 225	ER225	New Brunswick,Canada	46.5383N	65.8464W	31	
Early Rise 226	ER226	New Brunswick,Canada	46.3369N	65.5950W	46	
Early Rise 227	ER227	New Brunswick,Canada	46.1961N	65.1625W	61	
Early Rise 228	ER228	New Brunswick,Canada	46.1475N	64.9058W	152	
Early Rise 229	ER229	New Brunswick,Canada	46.0150N	64.5211W	76	
Early Rise 230	ER230	New Brunswick,Canada	45.9686N	64.1742W	46	
Early Rise 231	ER231	Nova Scotia,Canada	45.8667N	63.8197W	15	
Early Rise 232	ER232	Nova Scotia,Canada	45.7489N	63.4486W	31	
Early Rise 234	ER234	Nova Scotia,Canada	45.5922N	62.7147W	76	
Early Rise 235	ER235	Nova Scotia,Canada	45.5986N	62.3006W	61	
Early Rise 236	ER236	Nova Scotia,Canada	45.5822N	61.9044W	15	
Early Rise 237	ER237	Nova Scotia,Canada	45.6264N	61.5583W	46	
Early Rise 238	ER238	Nova Scotia,Canada	45.6239N	61.2200W	23	
Early Rise 239	ER239	Nova Scotia,Canada	45.6617N	60.8392W	15	
Early Rise 241	ER241	Nova Scotia,Canada	46.0281N	60.2061W	76	
Early Rise 242	ER242	Nova Scotia,Canada	46.1606N	59.9367W	15	
Early Rise 300	ER300	Pennsylvania,U.S.A.	40.4617N	80.1806W	287	
Early Rise 301	ER301	Pennsylvania,U.S.A.	40.2869N	79.9494W	311	
Early Rise 302	ER302	Pennsylvania,U.S.A.	40.0783N	79.7703W	317	
Early Rise 303	ER303	Pennsylvania,U.S.A.	39.8753N	79.5306W	616	
Early Rise 304	ER304	Maryland,U.S.A.	39.6958N	79.2636W	823	
Early Rise 306	ER306	West Virginia,U.S.A.	39.2528N	78.9119W	290	
Early Rise 307	ER307	West Virginia,U.S.A.	39.0336N	78.6531W	457	
Early Rise 308	ER308	Virginia,U.S.A.	38.8297N	78.4356W	270	
Early Rise 309	ER309	Virginia,U.S.A.	38.6222N	78.2317W	232	
Early Rise 310	ER310	Virginia,U.S.A.	38.3764N	78.0556W	122	
Early Rise 311	ER311	Virginia,U.S.A.	38.1644N	77.8139W	128	
Early Rise 312	ER312	Virginia,U.S.A.	37.9578N	77.5933W	67	
Early Rise 313	ER313	Virginia,U.S.A.	37.7381N	77.4308W	64	
Early Rise 314	ER314	Virginia,U.S.A.	37.5247N	77.1858W	37	
Early Rise 315	ER315	Virginia,U.S.A.	37.2964N	76.9653W	18	
Early Rise 316	ER316	Virginia,U.S.A.	37.0883N	76.7550W	24	
Early Rise 317	ER317	Virginia,U.S.A.	36.8811N	76.5819W	18	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Early Rise 318	ER318	Virginia,U.S.A.	36.6356N	76.3594W	3	
Early Rise 319	ER319	North Carolina,U.S.A.	36.3908N	76.1642W	6	
Ear Mountain	EAM	Alaska,U.S.A.	65.9193N	166.2420W	700	
Earnscleugh	EAZ	South Island,New Zealand	45.2327S	169.3082E	237	
Earthquake Lake	QLMT	Montana,U.S.A.	44.8307N	111.4300W	2064	From 1994-09-09
East Anglia University	AEU	England,United Kingdom	52.6201N	1.2347E	15	
East Aurora	EAN	New York,U.S.A.	42.7686N	78.6192W	282	
Eastbourne	TEB	England,United Kingdom	50.8188N	0.1459E	70	From 1989-01-01
East Braintree	EB-	Manitoba,Canada	49.6278N	95.6222W	312	From 1963-08-06 to 1964-08-12
East Braintree	EB-MT	Manitoba,Canada	49.6278N	95.6222W	312	From 1963-08-06 to 1964-08-12
East Cape	ECZ	North Island,New Zealand	37.6936S	178.5460E	40	From 1934-10-01 to 1985-07-26
East Claridon	CECL	Ohio,U.S.A.	41.5470N	81.1020W	362	
East Dome	ESD	Washington,U.S.A.	46.1973N	122.1500W	1609	
East End Reserv.	EASTN	Queensland,Australia	23.8641S	150.9647E	139	
East Entrance	YPEE	Wyoming,U.S.A.	44.4905N	110.0010W	2134	
Easter Island	EIC	Easter Island,Chile	27.1581S	109.4340W	42	
EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	CEIPO	Easter Island	27.1273S	109.3627W	163	From 2005-03-17
East Falkland Island	EFI	Falkland Islands	51.6753S	58.0637W	30	
East Helena	E16A	Montana,U.S.A.	46.5336N	111.6764W	1398	From 2007-09-12 to 2009-07-13
East Kanab	EKU	Arizona,U.S.A.	37.0747N	112.4968W	1829	
East Lansing	LNSM	Michigan,U.S.A.	42.7310N	84.4770W	256	
East Machias	EMMW	Maine,U.S.A.	44.7100N	67.4583W	35	
East Machias	EMM	Maine,U.S.A.	44.7392N	67.4894W	20	
East Machias	EMMT	Maine,U.S.A.	44.7833N	67.3533W	33	From 1932-07-01 to 1940-12-31
East Mammoth Hills	MEMM	California,U.S.A.	37.6663N	118.9390W		
East Mesa	EMSC	California,U.S.A.	32.7392N	114.9852W	11	
East Pahranagat Range	EPR	Nevada,U.S.A.	37.1687N	115.1864W	1305	From 1979-01-23 to 2002-10-10
East Prairie	EPRM	Missouri,U.S.A.	36.7173N	89.3583W	88	
East Promontory	EPU	Utah,U.S.A.	41.3915N	112.4090W	1436	From 1975-09-01
east rand property ines	ERPM	Transvaal,South Africa	26.3433S	28.2418E	1611	From 2006-05-23
East Ridge	ERMT	Montana,U.S.A.	45.9932N	112.4560W	1928	From 1984-01-01 to 1987-10-01
East Ridge	PQ1	Maine,U.S.A.	44.9035N	67.3271W	93	
East Ridge Elementary School	EARN	Washington,U.S.A.	47.7400N	122.0400W	10	
Eastside	ESTR	Nevada,U.S.A.	38.0913N	118.3267W	2012	
East Tamaki Reservoir	ETAZ	North Island,New Zealand	36.9535S	174.9278E	-152	From 2010-02-11
East Traverse Mountains	ETU	Utah,U.S.A.	40.4772N	111.8440W	1884	From 1974-07-01 to 1983-11-30
East Wide Canyon	EWC	California,U.S.A.	33.9372N	116.3822W	466	
Eatonton	ETG	Georgia,U.S.A.	33.2912N	83.3507W	137	From 1978-02-01
E Barbuda OBS	O6A	Barbuda,Antigua and Barbuda	17.7920N	61.0220W	-496	
Ebbets Pass	EBP	California,U.S.A.	38.5828N	119.8063W	2432	
Eben Emael	BEBN	Belgium	50.7965N	5.6772E	80	From 1986-04-01
Ebenezer Church	EBZ	Tennessee,U.S.A.	35.1410N	89.3510W	169	From 1980-05-15
Ebro Roquetas	EBRE	Spain	40.8228N	0.4940E	36	
Ebro Roquetas	EBR	Spain	40.8206N	0.4936E	50	
Ech Chlef	ECHF	Algeria	36.1562N	1.3403E	207	
Ech Chlef	ECHA	Algeria	36.1500N	1.3667E	0	
Echelle	ECG	Guadeloupe	16.0418N	61.6538W	1395	
Echery	ECH	Alsace,France	48.2158N	7.1583E	580	From 1967-10-31
Echo Falls	ECF	California,U.S.A.	34.4580N	119.0910W	1000	From 1975-11-01
Echo Lake	ELW	Washington,U.S.A.	47.4943N	121.8714W	267	
Echo Peak	EPM	Nevada,U.S.A.	37.2266N	116.3346W	2221	From 1990-09-18 to 2002-12-10
Echo Peak	EHN	Nevada,U.S.A.	37.2138N	116.3237W	2280	
Ecuador	ANGL	Ecuador	0.3929S	77.5444W	3360	From 1990-08-01
Ecuador Network	RECU	Ecuador	0.6420S	78.4030W		
Ecuador Network	IECU	Ecuador	0.4750S	78.3067W	3720	
Ecuador Network	BECU	Ecuador	0.4747S	78.5962W	3320	
Ecuador Network	PECU	Ecuador	0.3950S	78.6025W	3550	
Ecuador Network	CECU	Ecuador	0.4762S	77.8703W	2220	
Ecuador Network	AECU	Ecuador	0.2705S	78.4070W	3000	
Ecuador Network	MECU	Ecuador	0.5375S	78.2442W	4090	
Ecuador Network	GECU	Ecuador	0.3172S	78.1897W	4350	
Eden	EDEN	Ecuador	0.0367S	78.5212W	3270	
Edgecumbe	EDRZ	North Island,New Zealand	38.1076S	176.7381E	780	
Edge Oya	EO1	Svalbard,Norway	77.6583N	21.2167E	4	From 1977-01-01
Edgewood	ED-MI	Michigan,U.S.A.	43.2556N	84.4114W	213	From 1965-12-02 to 1965-12-13
Edgewood	ED-	Michigan,U.S.A.	43.2556N	84.4114W	213	From 1965-12-02 to 1965-12-13
Edinburgh	EDI	Scotland,United Kingdom	55.9233N	3.1861W	125	
Edincik	EDT	Turkey	40.3468N	27.8634E	270	From 1972-12-03
Edincik	EDC	Turkey	40.3468N	27.8634E	270	From 1972-12-03
Edirne	EDRB	Turkey	41.8470N	26.7440E	209	
Edirne-Kesan	KESN	Turkey	40.8259N	26.6800E	3071	From 2010-11-11
Edison Barstow Service Cntr	RRX	California,U.S.A.	34.8800N	117.0000W	439	From 2004-04-01
Edison CC	ECCO	Ohio,U.S.A.	40.1580N	84.2130W	274	
Edith	EDIT	Tennessee,U.S.A.	35.8630N	89.5543W	148	
Edith	T22A	Colorado,U.S.A.	37.0138N	106.9030W	2224	From 2007-12-21 to 2010-02-07
Edmonton	EDM	Alberta,Canada	53.2217N	113.3500W	730	From 1963-04-01
Edmundston	EBN	New Brunswick,Canada	47.4617N	68.2417W	195	From 1981-10-28
Edmundston, New Brunswick	EDMN	New Brunswick,Canada	47.4607N	68.2398W	186	From 2000-10-16
Edson Butte	KEBM	Oregon,U.S.A.	42.8722N	124.3342W	818	
Edwards Air Force Base,Rosamund	EDW	California,U.S.A.	34.8800N	117.9900W	789	From 2004-04-01 to 2004-08-03
Edwards Air Force Base,Rosamund	EDW2	California,U.S.A.	34.8800N	117.9900W	772	From 2004-06-14
Eel River Conservation Camp, Redway	O01C	California,U.S.A.	40.1398N	123.8195W	137	From 2005-08-25 to 2007-11-17
Eenrum	ENM4	Netherlands	53.4064N	6.4817E	-199	From 2010-01-22
Eenrum	ENM	Netherlands	53.4076N	6.4823E	1	
Eenrum	ENM1	Netherlands	53.4064N	6.4817E	-49	From 2010-01-22
Eenrum	ENM2	Netherlands	53.4064N	6.4817E	-99	From 2010-01-22
Eenrum	ENM3	Netherlands	53.4064N	6.4817E	-149	From 2010-01-22
Effingham	EFO	Ontario,Canada	43.0917N	79.3117W	168	From 1979-07-06
EFORIE	EFOR	Romania	44.0795N	28.6323E	30	From 2008-11-12
Efpalio	EFP	Greece	38.4269N	21.9058E	115	From 2006-08-03
Efringen	EFR	Baden-Wurttemberg,Germany	47.6653N	7.5637E	280	From 1984-12-01
Egilsstadhir	EGI	Iceland	65.2833N	14.3833W	25	
Egridir - ISPARTA	BAGO	Turkey	37.9905N	30.7886E	958	From 2010-07-06
Egvard	EGVZ	Armenia	39.2300N	46.5500E	0	
Eidsvold	EIDS	Queensland,Australia	25.3691S	151.0817E	216	From 2002-11-06
Eielson Array	NPO	Alaska,U.S.A.	64.7714N	146.8865W	419	
Eielson Array Beam Reference Point	ILAR	Alaska,U.S.A.	64.7714N	146.8866W	419	
Eielson Array Broadband	ILB	Alaska,U.S.A.	64.7714N	146.8866W	419	From 1993-07-01
Eielson Array Site 1	IL1	Alaska,U.S.A.	64.7716N	146.8860W	418	From 1993-07-01
Eielson Array Site 10	IL10	Alaska,U.S.A.	64.7529N	146.8431W	586	
Eielson Array Site 11	IL11	Alaska,U.S.A.	64.7415N	146.8974W	444	
Eielson Array Site 12	IL12	Alaska,U.S.A.	64.7447N	146.9436W	366	
Eielson Array Site 13	IL13	Alaska,U.S.A.	64.7479N	146.9865W	367	
Eielson Array Site 14	IL14	Alaska,U.S.A.	64.7750N	146.9794W	223	
Eielson Array Site 15	IL15	Alaska,U.S.A.	64.7777N	146.9428W	336	
Eielson Array Site 16	IL16	Alaska,U.S.A.	64.7933N	146.9215W	382	
Eielson Array Site 17	IL17	Alaska,U.S.A.	64.8072N	146.8898W	357	
Eielson Array Site 18	IL18	Alaska,U.S.A.	64.7575N	146.7768W	554	
Eielson Array Site 19	IL19	Alaska,U.S.A.	64.7461N	146.7974W	549	
Eielson Array Site 2	IL02	Alaska,U.S.A.	64.7847N	146.8643W	261	
Eielson Array Site 3	IL03	Alaska,U.S.A.	64.7714N	146.8512W	440	
Eielson Array Site 4	IL04	Alaska,U.S.A.	64.7570N	146.8761W	528	
Eielson Array Site 5	IL05	Alaska,U.S.A.	64.7731N	146.9229W	389	
Eielson Array Site 6	IL06	Alaska,U.S.A.	64.7792N	146.9040W	262	
Eielson Array Site 7	IL07	Alaska,U.S.A.	64.7993N	146.8393W	401	
Eielson Array Site 8	IL08	Alaska,U.S.A.	64.7903N	146.7969W	505	
Eielson Array Site 9	IL09	Alaska,U.S.A.	64.7681N	146.7832W	494	
Eigenji	JEG	Shiga,Japan	35.1353N	136.3905E	433	From 1996-01-01
Eightmile Canyon	EMI	Idaho,U.S.A.	44.0742N	112.9260W	1963	From 1992-01-01
Ein Gedi	ENGI	Israel	31.4690N	35.3940E	-321	
Eisghbrachaidh	REB	Scotland,United Kingdom	58.1188N	5.2822W	100	From 1995-09-10
Ekalaka	F24A	Montana,U.S.A.	45.8452N	104.4448W	1105	From 2008-11-15
Ekati Mine	EKTN	Northwest Territories,Canada	64.6984N	110.6095W	469	
Ekimchan	EKMR	Khabarovskiy Kray,Russia	53.0700N	132.9500E	543	
Ekona	EKC	Cameroon	4.2100N	9.3269E	450	From 1984-12-01
Eksjoe	EKSU	Sweden	57.5726N	15.3016E	250	From 2002-05-04
El Abra	ABR	Veracruz,Mexico	19.8070N	96.5345W	520	
El 'Aiyat	AUT	Egypt	29.6660N	31.1800E		
Elanda	ELDR	Altayskiy Kray,Russia	51.2170N	86.0900E	472	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
El Angel	ANGS	El Salvador	13.8000N	89.1917W	850	From 1991-12-01
El Apazote	APG	Guatemala	15.0040N	90.4643W	1880	
Elat	EIL	Israel	29.6699N	34.9512E	210	From 1997-01-01
Elaudy	ELYF	Aquitaine,France	43.1700N	0.9917W	700	From 1985-02-01 to 1998-01-22
El Ayoun	AYNT	Tunisia	35.5737N	8.9292E	1100	
Elazig	ELA	Turkey	38.6833N	39.2333E		
Elazig	ELZG	Turkey	38.4978N	38.9844E	1640	From 2002-04-25
Elazig	ELZ	Turkey	38.6894N	39.2064E	1180	From 1973-09-17 to 1974-05-31
El Baul	BAUV	Venezuela	8.9433N	68.0415W	106	
El Cabril	ECAB	Spain	38.0753N	5.4186W	520	
EL CAFE	CAFV	Venezuela	10.2649N	68.0541W	1060	From 2004-05-25
El Cajon	ECA	California,U.S.A.	32.8000N	116.9500W	135	From 1949-01-01 to 1999-08-25
El Canelo	CACH	O'Higgins,Chile	34.1169S	70.6000W	1300	From 1990-11-06
El Cayaco	CAIG	Guerrero,Mexico	17.0478N	100.2673W	80	
El Centro	ECC	California,U.S.A.	32.7983N	115.5480W	-15	From 1956-11-28 to 1970-09-30
El Centro	ETC	Colombia	6.8625N	73.7694W	140	From 1975-01-31
Elche	EXEL	Spain	38.2660N	0.6980W	108	
El Chinero	ECBX	Baja California,Mexico	31.4720N	115.0513W	40	From 1983-05-17
Elco	ELC	Illinois,U.S.A.	37.2850N	89.2270W	153	From 1974-07-19
Elcoad	IELO	Spain	42.8432N	1.2366W	819	From 2008-07-18
El Crucero	CRUN	Nicaragua	11.9833N	86.3000W	930	
Elda	EXED	Spain	38.4720N	0.7910W	407	
Eldee	EEO	Ontario,Canada	46.6411N	79.0733W	398	From 1984-03-04
Eldivan	ELDT	Turkey	40.4900N	33.4269E	1596	From 1992-07-01
Eldorado	EDMA	Misiones,Argentina	26.3578S	54.4417W	310	
El Dorado	EDK	Kansas,U.S.A.	37.7738N	96.7950W	418	From 1978-04-17 to 2001-07-15
Eldorado Mountains	EMN	Nevada,U.S.A.	35.9214N	114.7541W	785	From 1988-08-11 to 2002-10-10
Electric Lake	ELU	Utah,U.S.A.	39.6402N	111.2038W	2970	
El Ejido	EXEE	Spain	36.7750N	2.8130W	107	
Elephant Butte, Truth or Consequences	Z22A	New Mexico,U.S.A.	33.2555N	106.9639W	1497	From 2008-04-11
Eleskirt	EATA	Turkey	39.8622N	42.4916E	2770	From 2009-10-04
El Faro	LFRS	El Salvador	13.6233N	89.0617W	1000	From 1991-12-01
Elginfield	ELFO	Ontario,Canada	43.1930N	81.3163W	298	
Elginfield	ELF	Ontario,Canada	43.1933N	81.3150W	320	From 1975-06-01
El Golfo de Santa Clara	EGM	Baja California,Mexico	31.6783N	114.4920W	5	From 1969-04-26
El Granada	JEGM	California,U.S.A.	37.5140N	122.4620W	202	From 1975-02-10
El Granado	EGRO	Spain	37.5342N	7.4831W	130	
El Guri	GURV	Venezuela	7.7600N	63.0850W	199	From 2003-05-15
Elham, Standardhill Farm (Kent)	ELSH	England,United Kingdom	51.1482N	1.1345E	126	From 2008-01-25
El Hato	EHV	Venezuela	8.8064N	70.8647W	3700	From 1974-01-01
El Hierro	CHIE	Canary Islands,Spain	27.7270N	17.9607W	170	From 1989-06-01
El Hierro	CTIG	Canary Islands,Spain	27.7882N	17.9221W	53	From 2009-08-14
El Hobo	HOBC	Colombia	4.3548N	76.1355W	1180	From 1987-01-01
Elida	Y26A	New Mexico,U.S.A.	33.9232N	103.8246W	1371	From 2008-04-18
Elim	ELIM	Cape Province,South Africa	34.5967S	19.7450E	472	From 2000-01-01
Eliza Dome	EDB	British Columbia,Canada	49.8737N	127.1200W	189	
Elizondo	ELIZ	Spain	43.1639N	1.5285W	523	From 1992-12-03
Elk Butte	EBI	Idaho,U.S.A.	46.8375N	116.1180W	1765	From 1987-01-01
Elk Chute Ditch	ECD	Missouri,U.S.A.	36.0600N	89.9400W	79	From 1975-09-25 to 1992-02-29
Elk City	F12A	Idaho,U.S.A.	45.7565N	115.2547W	1442	From 2006-11-03 to 2009-06-15
Elkhorn Farm, Martin	J27A	South Dakota,U.S.A.	43.2526N	102.0069W	1081	From 2009-08-01
Elkhorn Ranch	EKH	California,U.S.A.	36.6647N	121.1740W	342	From 1971-02-01
Elkhorn Ranch	BEHM	California,U.S.A.	36.6647N	121.1740W	342	From 1971-02-01
Elkhorn Road	HERM	California,U.S.A.	36.7983N	121.7110W	69	
Elko	EKO	Nevada,U.S.A.	40.8122N	115.7760W	1615	From 1969-11-12
Elko	ELK	Nevada,U.S.A.	40.7448N	115.2390W	2210	From 1968-11-01
Elko Archery Club, Elko	N11A	Nevada,U.S.A.	40.8167N	115.7360W	1643	From 2006-05-03 to 2008-08-13
Elk River	EKR	California,U.S.A.	40.6953N	124.1390W	49	From 1974-06-20
Elk Rock	ERK	Washington,U.S.A.	46.3056N	122.3410W	1270	
El Ksiba	KIB	Morocco	32.5760N	6.0390W	935	
Ellensburg	EBG	Washington,U.S.A.	46.9097N	120.5680W	805	
Ellensburg	EL-WA	Washington,U.S.A.	46.9242N	120.7300W	975	From 1962-05-28 to 1962-06-28
Ellensburg	EL-	Washington,U.S.A.	46.9242N	120.7300W	975	From 1962-05-28 to 1962-06-28
Ellenville	ELNV	New York,U.S.A.	41.5000N	74.4398W	323	
Ellicott	JELM	California,U.S.A.	36.9273N	121.8270W	85	
Ellicott City	ECM	Maryland,U.S.A.	39.2613N	76.8842W	140	
Elliot Lake	ELLO	Ontario,Canada	46.3832N	82.6639W	328	
Ellis	Q31A	Kansas,U.S.A.	39.0048N	99.3950W	680	From 2009-05-18
El Lisan	LISJ	Jordan	31.2400N	35.4810E	-327	From 1990-02-23
Ellis Ranch, Medicine Bow	L22A	Wyoming,U.S.A.	42.0310N	106.4338W	2012	From 2007-11-26
Ellisras	ERS	Transvaal,South Africa	23.6816S	27.7233E	840	From 1994-07-01 to 2003-11-21
Elliston	ELMT	Montana,U.S.A.	46.5222N	112.3445W	1981	From 1996-08-31
El Llanito	LLAV	Venezuela	10.4696N	66.8097W	875	From 1988-01-01
Ellsinore	EN-MO	Missouri,U.S.A.	36.8828N	90.5956W	152	From 1965-10-25 to 1966-02-25
Ellsinore	EN-	Missouri,U.S.A.	36.8828N	90.5956W	152	From 1965-10-25 to 1966-02-25
Ellsworth	ECT	Connecticut,U.S.A.	41.8346N	73.4113W	342	From 1976-01-28 to 1999-08-25
Ellsworth Farm, Hinsdale	B21A	Montana,U.S.A.	48.4278N	107.0166W	661	From 2008-09-05 to 2010-07-18
Elm	EMA	Alabama,U.S.A.	33.2210N	87.4738W	92	From 1971-01-09
Elma	ELM	New York,U.S.A.	42.8497N	78.6442W	216	From 1971-07-01 to 1976-07-28
Elmali	ELL	Turkey	36.7482N	29.9085E	1230	From 1973-11-29
El Manteco	GMV	Venezuela	7.3558N	62.5404W	248	
El Maslubiya	MASJ	Jordan	31.7290N	35.7183E	822	From 1983-09-01
El Mayor	EMX	Baja California,Mexico	31.9881N	115.2416W	10	From 1981-10-19
Elmendorf Base	EAFB	Alaska,U.S.A.	61.2335N	149.7718W	61	From 1994-06-24
Elmer	X32A	Oklahoma,U.S.A.	34.4214N	99.2854W	401	From 2009-10-25
El Mirage	ELMC	California,U.S.A.	34.5262N	117.6400W	986	
El Mirage 2	EL2	California,U.S.A.	34.5295N	117.5435W	1106	
Elmo	EO2TX	Texas,U.S.A.	32.6481N	96.1586W	158	
El Monte Cty Pk	EML	California,U.S.A.	32.8908N	116.8457W	161	
Elmore Ranch	ELRC	California,U.S.A.	33.1475N	115.8334W	-97	
Elmore Ranch	ERRC	California,U.S.A.	33.1168N	115.8227W	-56	
El Nido	ENPP	Palawan,Philippines	11.2060N	119.4250E	27	
Elora Gorge	ELGO	Ontario,Canada	43.6755N	80.4374W	377	
Elorza	ELOV	Venezuela	7.0010N	69.4830W	105	From 2003-04-03
Eloy	116A	Arizona,U.S.A.	32.5618N	111.7042W	477	From 2006-03-20 to 2008-12-05
Elp	ENV	Netherlands	52.8953N	6.6338E	17	
El Pangue	ELP	Valparaiso,Chile	33.2576S	71.2050W	680	From 1973-01-01
El Paso	EP-TX	Texas,U.S.A.	31.9328N	105.9667W	1615	From 1962-01-15 to 1962-05-04
El Paso	EP-	Texas,U.S.A.	31.9328N	105.9667W	1615	From 1962-01-15 to 1962-05-04
El Paso	EPT	Texas,U.S.A.	31.7717N	106.5060W	1186	From 1961-02-01
EL PAUJM	PAUV	Venezuela	10.1803N	67.2414W	1259	From 2004-07-15
El Pedroso, Sevilla	E019	Spain	37.7160N	5.8788W	125	From 2007-09-23 to 2009-06-16
Elp / Enerveen	ENV2	Netherlands	52.8944N	6.6337E	-83	From 2009-12-04
Elp / Enerveen	ENV3	Netherlands	52.8944N	6.6337E	-133	From 2009-12-04
Elp / Enerveen	ENV4	Netherlands	52.8944N	6.6337E	-183	From 2009-12-04
Elp / Enerveen	ENV1	Netherlands	52.8944N	6.6337E	-33	From 2009-12-04
El Pino	IIP	Mexico D.F.,Mexico	19.3469N	98.9180W	2650	
El Prado	PRAV	Venezuela	9.2327N	70.8507W	662	
El Quisco	ELQ	Valparaiso,Chile	33.3953S	71.6889W	50	From 1973-01-01 to 1975-03-28
El Retiro	RTR	El Salvador	13.8972N	89.6457W	1499	
El Rito	U23A	New Mexico,U.S.A.	36.3289N	106.1919W	2093	From 2008-05-21
El Roble	ROC1	Santiago,Chile	32.9759S	71.0156W	2191	
El Roble	ROCH	Santiago,Chile	32.9719S	71.0111W	2000	From 1981-12-04
El Rosal	ROSC	Colombia	4.8563N	74.3301W	3017	From 1994-01-01
El Salvador	ESC	Atacama,Chile	26.2300S	69.5100W	4700	
El Segundo	ESGS	California,U.S.A.	33.9163N	118.4200W	-100	From 1982-04-01
Elsinore Mountain	ELS	California,U.S.A.	33.6478N	117.4270W	853	
El Tejon	TEJ	California,U.S.A.	35.2298N	118.6890W	634	
El Tigre	TGRV	Venezuela	8.8340N	64.1683W	293	From 1992-11-01
El Tocuyo	TOV	Venezuela	9.7925N	69.7926W	650	
Eltopia	ETP	Washington,U.S.A.	46.4648N	119.0590W	219	From 1969-03-01
Eltopia	ET2	Washington,U.S.A.	46.5350N	118.9500W	330	From 1989-04-05 to 2001-11-01
Eltopia	ET3	Washington,U.S.A.	46.5773N	118.9375W	286	From 1990-09-12
Elvey	ELV	Alaska,U.S.A.	64.8603N	147.8490W	180	From 1971-08-01 to 1972-08-31
El Viejo	A495	Costa Rica	10.3925N	85.4560W	0	From 2000-01-01
El Vigia	EVV	Veracruz,Mexico	18.4565N	95.3493W		From 1988-01-01
El Vigia	VIGV	Venezuela	8.8400N	71.3642W	417	
El Volcan	VOLV	Venezuela	10.4200N	66.8498W	1480	
Ely	ELY	Nevada,U.S.A.	39.1313N	114.8920W	2011	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ely	EY2NV	Nevada,U.S.A.	39.4314N	115.3178W	2012	From 1966-03-01 to 1966-03-12
Ely	EY-	Nevada,U.S.A.	39.4100N	115.3128W	2012	From 1963-04-21 to 1963-06-10
Ely	EY-NV	Nevada,U.S.A.	39.4100N	115.3128W	2012	From 1963-04-21 to 1963-06-10
Ely	EYMN	Minnesota,U.S.A.	47.9462N	91.4950W	475	From 1994-09-26
Ely	EY2	Nevada,U.S.A.	39.4314N	115.3178W	2012	From 1966-03-01 to 1966-03-12
El Yeso	YECH	Santiago,Chile	33.6653S	70.0834W	2577	From 2006-04-21
El Yunque	EYP	Puerto Rico	18.3127N	65.7911W	1060	From 1975-07-30 to 1976-08-09
El Zacaton	ZAX	Baja California	31.5137N	116.2730W	947	
Emae	EME	Vanuatu	17.0908S	168.3510E		
Emamgholi	IEMG	Iran	37.4155N	58.6522E	2565	From 1997-03-01
Embalse de El Pintado, Sevilla	E018	Spain	37.9803N	5.9548W	392	From 2007-09-16 to 2009-06-17
Embalse del Gaudalen, Jaen	E932	Spain	38.1496N	3.4708W	418	From 2009-02-12 to 2009-09-15
Embd, Mattertal	EMBD	Switzerland	46.2165N	7.8322E	1180	From 2009-10-29
Emerald Bay	EMB	California,U.S.A.	38.9747N	120.1027W	2122	
Emma Park	EMUT	Utah,U.S.A.	39.8140N	110.8150W	2268	
Emmet	BEMM	California,U.S.A.	36.6613N	121.0960W	488	From 1970-08-14
Emmet	EMT	California,U.S.A.	36.6613N	121.0960W	488	From 1970-08-14
Emosson	EMO	Switzerland	46.0482N	6.9620E	1800	From 1973-09-01 to 1980-12-31
Emosson-Mur	EMS	Switzerland	46.0700N	6.9310E	1800	From 1981-01-01 to 2002-01-02
Empire Grade Rd	LT11	California,U.S.A.	37.0352N	122.1040W	442	From 1969-03-04 to 1976-04-30
Empire Grade Road	EGR	California,U.S.A.	37.0352N	122.1040W	442	From 1969-03-04 to 1976-04-30
Emporia	EM-KA	Kansas,U.S.A.	38.5247N	96.4728W	411	From 1965-09-14 to 1965-09-16
Emporia	EM-	Kansas,U.S.A.	38.5247N	96.4728W	411	From 1965-09-14 to 1965-09-16
Emporia	EMK	Kansas,U.S.A.	38.4465N	96.3172W	370	From 1977-08-15 to 2001-07-15
Encino	035A	Texas,U.S.A.	26.9379N	98.1023W	29	From 2010-01-12
Ende, Flores	EDFI	Flores,Indonesia	8.7497S	121.6903E	914	From 2008-12-01
Endenburg	ENDD	Baden-Wurttemberg,Germany	47.7150N	7.7379E	635	From 1984-12-01
Endilloe	EDO	South Australia,Australia	32.3217S	138.0483E	300	From 1977-01-01
Enez	ENEZ	Turkey	40.7362N	26.1530E	101	From 2006-06-21
Engebretsen Ranch, Morrill	L25A	Nebraska,U.S.A.	42.1548N	103.9657W	1379	From 2008-11-22
Enggano, Bengkulu	EGSI	Sumatera,Indonesia	5.3526S	102.2767E	35	From 2008-12-01
Engineer Hill	ENG	Alaska,U.S.A.	64.7352N	147.0460W	220	From 1971-09-07 to 1976-06-30
Engine Test Stand	ETS	Nevada,U.S.A.	36.8325N	116.3090W	1158	From 1965-01-01 to 1970-12-31
English Bluff	ENGB	British Columbia,Canada	49.0080N	123.0889W	55	
Engstlatt	ENGD	Baden-Wurttemberg,Germany	48.3125N	8.8729E	538	From 1982-01-01
Enilchek, Kyrgyzstan	ENEL	Kyrgyzstan	42.1529N	79.4550E	2739	From 2008-09-22
Eniwetok	EW-IS	Marshall Islands	11.3972N	162.3753E	3	From 1963-06-28 to 1963-09-13
Eniwetok	EW-	Marshall Islands	11.3972N	162.3753E	3	From 1963-06-28 to 1963-09-13
Eniwo	JEW	Ishikari,Japan	42.8402N	141.4498E	185	From 1995-02-01
Ennepetalsperre	ENTS	Germany	51.2414N	7.4108E	300	From 2000-10-01
Ennis	136A	Texas,U.S.A.	32.4746N	96.5297W	113	From 2010-06-06
Ens	RESF	Midi-Pyrenees,France	42.8077N	0.3385E	1270	From 1998-09-01
Ens	ENSF	Midi-Pyrenees,France	42.8047N	0.3356E	1300	
Ensenada	ENX	Baja California,Mexico	31.8835N	116.6626W	230	From 1981-08-03
Ensenada	ECX	Baja California,Mexico	31.8690N	116.6600W		
Enshi	ENH	Hubei,China	30.2718N	109.4870E	487	From 1986-01-01
Entebbe	ENT	Uganda	0.0589N	32.4733E	1175	
Entiat	ETW	Washington,U.S.A.	47.6045N	120.3310W	1475	From 1986-10-01
Entracque	ENR	Italy	44.2267N	7.4203E	1040	From 1967-01-01
Entre Lagos	PUYE	Chile	40.6839S	72.6034W	209	
Enumclaw	D05A	Washington,U.S.A.	47.1881N	121.9888W	266	From 2005-11-21 to 2008-12-03
Enzan	ENZ	Yamanashi,Japan	35.7360N	138.8053E	807	
Eparoz	IEPA	Spain	42.7794N	1.2669W	769	From 2008-07-18
Epen	ENN	Netherlands	50.7672N	5.9233E	120	From 1981-01-01 to 1996-02-27
Ephrata	EPH	Washington,U.S.A.	47.3536N	119.5960W	628	From 1983-03-01
Ephrata	EPW	Washington,U.S.A.	47.3522N	119.5960W	628	From 1975-06-01
Epi	EPI	Vanuatu	16.6950S	168.1160E		
Erbaa	ERBA	Turkey	40.6814N	36.7547E	655	From 2008-03-24
Erciyes	ERCT	Turkey	38.6031N	35.5142E	1915	From 1993-08-28 to 1998-05-01
Erdek	ERD	Turkey	40.4000N	27.8000E		From 1970-01-01 to 1972-12-31
Erdemli	MEST	Turkey	36.5869N	34.1453E	855	From 2003-12-12
Eremo	ERBM	Italy	44.4192N	10.4128E	919	
Erenkoy	EREN	Cyprus	35.5300N	34.1700E	88	
Eretria	EREA	Greece	38.4199N	23.9318E	475	From 2010-06-16
Eretria	ERET	Greece	38.4423N	23.8064E	810	From 2008-12-23
Erewhon	EWZ	South Island,New Zealand	43.5117S	170.8520E	650	From 1991-03-21 to 2002-12-20
Erian - IBB Gov. - Yemen	ERIN	Yemen	14.2300N	44.2300E	1600	From 1997-01-15 to 2005-10-22
Erice	ERC	Sicily,Italy	38.0376N	12.5873E	776	From 1978-02-01
Erice	ER1	Sicily,Italy	38.0376N	12.5873E	776	From 1978-02-01
Erie	ERP	Pennsylvania,U.S.A.	42.1333N	79.9833W		
Erie	ERPA	Pennsylvania,U.S.A.	42.1175N	79.9891W	306	
Erikli-Kesan	ERIK	Turkey	40.6708N	26.5132E	41	From 2008-07-02
Erimo	JEM	Hidaka,Japan	42.0158N	143.1573E	40	
Erimo	ERM	Hidaka,Japan	42.0150N	143.1571E	40	From 1976-07-01
Erithrai	VTH	Greece	38.2006N	23.3600E	756	From 1982-10-01
Erkin-Say	EKS	Kyrgyzstan	42.6680N	73.7860E	1180	
Erkin-Say	EKS2	Kyrgyzstan	42.6615N	73.7772E	1360	
Ermenek	ERMK	Turkey	36.6416N	32.9128E	1855	From 2005-02-28
Ernestine	ERN	Alaska,U.S.A.	61.4442N	145.1120W	570	From 1971-09-16 to 1973-08-29
Ernies Place	ERPC	California,U.S.A.	32.7435N	115.6630W	-9	
EROS Data Center, Sioux Falls	ECSD	South Dakota,U.S.A.	43.7337N	96.6141W	478	
Erpfingen	ERPF	Baden-Wurttemberg,Germany	48.3447N	9.1744E	839	From 2010-03-01
Err	ERR	Morocco	32.3800N	6.3230W		From 1995-12-16
Errachidia	ZFT	Morocco	32.0340N	4.3520W	1800	From 1993-01-01
Er Rumman	RUMJ	Jordan	32.1820N	35.8275E	445	From 1983-09-01
Erto-Casso	ERT	Italy	46.2767N	12.3767E	775	From 1982-11-24 to 1988-01-01
Ertsjaerv	ERTU	Sweden	66.5541N	22.1895E	300	From 2004-04-17
Erzin	ERNS	Tyva,Russia	50.2630N	95.1550E	1105	
Erzincan	KRDT	Turkey	39.9167N	39.1183E	2810	From 1998-09-30 to 2003-08-14
Erzincan	EZC	Turkey	39.7520N	39.3533E	1500	From 1993-08-27
Erzincan	ERZN	Turkey	39.5866N	39.7220E	1310	From 2008-10-15
Erzurum	ERZ	Turkey	39.9150N	41.2767E	1850	From 1966-08-06
Erzurum	ERZM	Turkey	39.9053N	41.3658E	2380	From 1996-01-01
Erzurum	EZM	Turkey	39.9053N	41.3623E	2400	
Erzurum	ERZT	Turkey	39.9067N	41.2533E	1955	
Erzyncan	ERZC	Turkey	39.7242N	39.5258E	1170	From 1998-01-01 to 1998-09-29
Esa-ala	ESA	D'Entrecasteaux Islands,Papua New Guinea	9.7384S	150.8140E	46	From 1965-01-01
Esa-ala	ESB	D'Entrecasteaux Islands,Papua New Guinea	9.6867S	150.9030E	60	From 1974-01-01
Esan	ESH	O shima,Japan	41.8842N	141.0112E	40	From 1976-07-01
Esanatoglia	SNTG	Italy	43.2550N	12.9406E	625	
Escape Road	ESR	Hawaii,U.S.A.	19.4113N	155.2390W	1177	From 1971-09-01
ESCO Site	ESCO	Congo (Kinshasa)	1.6340S	29.1590E	1480	
Escot	ESCF	Aquitaine,France	43.0785N	0.5747W	570	
Escuela Geologia	SJS	Costa Rica	9.9392N	84.0542W	1196	
EscuelaIngenieria	EDC*	Santiago,Chile	33.4592S	70.6678W		
Esen Bulak	EBM	Mongolia	46.3900N	96.2600E	2160	
Esenkoy-Cinarcik-Yalova	SBT5	Turkey	40.6311N	28.8803E	-368	From 2010-06-09
Esentepe	ESE	Turkey	40.7556N	30.3242E	197	From 1991-01-01
Eskdalemuir	EKG	Scotland,United Kingdom	55.3339N	3.1923W	356	From 2002-11-12
Eskdalemuir	EKB	Scotland,United Kingdom	55.3339N	3.1923W	356	
Eskdalemuir	ESK	Scotland,United Kingdom	55.3167N	3.2050W	263	From 1964-03-19
Eskdalemuir Array	EKA	Scotland,United Kingdom	55.3331N	3.1592W	263	From 1962-05-01
Eskdalemuir Array Site B1	EKB1	Scotland,United Kingdom	55.3093N	3.1770W	274	
Eskdalemuir Array Site B10	EKB10	Scotland,United Kingdom	55.3769N	3.1292W	328	
Eskdalemuir Array Site B2	EKB2	Scotland,United Kingdom	55.3168N	3.1717W	313	
Eskdalemuir Array Site B3	EKB3	Scotland,United Kingdom	55.3249N	3.1682W	306	
Eskdalemuir Array Site B4	EKB4	Scotland,United Kingdom	55.3317N	3.1612W	300	
Eskdalemuir Array Site B5	EKB5	Scotland,United Kingdom	55.3393N	3.1563W	313	
Eskdalemuir Array Site B6	EKB6	Scotland,United Kingdom	55.3466N	3.1506W	337	
Eskdalemuir Array Site B7	EKB7	Scotland,United Kingdom	55.3541N	3.1454W	435	
Eskdalemuir Array Site B8	EKB8	Scotland,United Kingdom	55.3618N	3.1397W	400	
Eskdalemuir Array Site B9	EKB9	Scotland,United Kingdom	55.3690N	3.1348W	395	
Eskdalemuir Array Site R1	EKR1	Scotland,United Kingdom	55.3374N	3.1786W	355	
Eskdalemuir Array Site R10	EKR10	Scotland,United Kingdom	55.3104N	3.0609W	382	
Eskdalemuir Array Site R2	EKR2	Scotland,United Kingdom	55.3344N	3.1656W	349	
Eskdalemuir Array Site R3	EKR3	Scotland,United Kingdom	55.3306N	3.1530W	319	
Eskdalemuir Array Site R4	EKR4	Scotland,United Kingdom	55.3284N	3.1394W	336	
Eskdalemuir Array Site R5	EKR5	Scotland,United Kingdom	55.3254N	3.1263W	306	
Eskdalemuir Array Site R6	EKR6	Scotland,United Kingdom	55.3224N	3.1132W	394	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Eskdalemuir Array Site R7	EKR7	Scotland,United Kingdom	55.3194N	3.1001W	348	
Eskdalemuir Array Site R8	EKR8	Scotland,United Kingdom	55.3163N	3.0868W	419	
Eskdalemuir Array Site R9	EKR9	Scotland,United Kingdom	55.3137N	3.0732W	431	
Eskilstuna	ESKU	Sweden	59.2311N	16.3938E	50	From 2002-01-19
Eskisehir	BORA	Turkey	39.8801N	30.4534E	960	From 2005-08-04
Eskisehir	ESKT	Turkey	39.5200N	30.8500E	1289	
Eskiyayla	EYL	Turkey	40.5658N	30.1250E	1160	From 1990-01-01
Eskypehyr	SEYT	Turkey	39.5200N	30.8500E	1172	From 1998-01-01
Espanola	ES-	Ontario,Canada	46.3189N	81.7928W	274	From 1962-11-12 to 1962-12-07
Espanola	ES-ON	Ontario,Canada	46.3189N	81.7928W	274	From 1962-11-12 to 1962-12-07
Esparros	EPF	Aquitaine,France	43.0308N	0.3400E	750	From 1977-07-07
Esparros	PYF	Aquitaine,France	43.0308N	0.3400E	750	From 1977-07-07
Esparza	EPA	Costa Rica	9.9877N	84.5965W	310	From 1984-03-17
Espegrend	EGD	Norway	60.2712N	5.2257E	20	From 1991-03-01
Espenschied	ESP	Hessen,Germany	50.0992N	7.8932E	398	
Espera	ESPR	Spain	36.8686N	5.8562W	135	
Espira	FESP	Midi-Pyrenees,France	42.8199N	2.8222E	240	From 2008-10-01
Espiye-Giresun	ESPY	Turkey	40.9167N	38.7273E	430	From 2007-03-02
Espot	ESPO	Spain	42.5785N	1.1197E	1440	
Esso	ESO	Kamchatskaya Oblast',Russia	55.9250N	158.7000E	490	
Estacion Bilbao	BIL2	Ecuador	1.4553S	78.5025W	2381	From 2007-08-22
Estacion Edusismo	QTOE	Ecuador	0.1722S	78.4889W	2777	From 2007-01-01
Estacion Juarez	EJC	Chiapas,Mexico	17.6044N	93.1956W		
Estancia	EST	New Mexico,U.S.A.	34.8645N	105.7230W	2055	From 1976-06-01
Esteban Cantu	ECNX	Baja California,Mexico	31.6570N	116.5978W	1040	
Estepa	ESTP	Spain	37.2713N	4.8662W	893	
Estepona	EXES	Spain	36.4230N	5.1520W	13	
Esterri de Cardos	CEST	Spain	42.6005N	1.2553E	1325	From 2006-06-01
Estevan Point	ETB	British Columbia,Canada	49.3763N	126.5380W	1	
E St Louis HE Ctr	STIL	Missouri,U.S.A.	38.6205N	90.1626W	131	
Estremoz	PESTR	Portugal	38.8672N	7.5902W	410	From 2006-07-01
Esutoru	ESU	Sakhalinskaya Oblast',Russia	49.0833N	142.0330E		
Eten	CHP7	Peru	6.9450S	79.8650W	200	
Ethyl Lake Duckett	ELD	Alberta,Canada	54.5358N	110.3320W	564	From 1978-12-01
Etna Belvedere	EBEL	Sicily,Italy	37.7408N	15.0091E	2808	From 2004-09-14
Etna Monte Conca	EMCN	Italy	37.7912N	15.0335E	1911	From 2008-05-15
Etna Monte Frumento Supino	EMFS	Italy	37.7196N	14.9979E	2545	From 2004-07-20
Etowah	ETT	Tennessee,U.S.A.	35.3260N	84.4550W	588	From 1981-11-25
Etsaut	ETSF	Aquitaine,France	42.8986N	0.5592W	910	From 1996-04-03
Eugene	I03A	Oregon,U.S.A.	43.9726N	123.2777W	205	From 2005-11-18 to 2008-01-20
Eugene	EUO	Oregon,U.S.A.	44.0294N	123.0689W	160	
Eugowra	EUGM	New South Wales,Australia	33.4182S	148.3418E	290	
Eureka	P10A	Nevada,U.S.A.	39.6202N	116.4639W	1874	From 2006-06-07 to 2008-09-08
Eureka	EUR	Nevada,U.S.A.	39.4833N	115.9700W	2178	From 1958-05-01
Eureka	F29A	South Dakota,U.S.A.	45.8336N	99.8273W	575	From 2009-08-21
Eureka	EUW	Washington,U.S.A.	46.3958N	118.5620W	367	From 1975-06-01
Eureka	EUNU	Nunavut,Canada	80.0533N	86.4158W	628	
Eureka	EK-NV	Nevada,U.S.A.	39.2089N	115.7103W	1951	From 1963-11-11 to 1964-11-02
Eureka Canyon	EUC	California,U.S.A.	37.0507N	121.8090W	438	From 1969-05-28
Eureka Canyon	LT12	California,U.S.A.	37.0507N	121.8090W	438	From 1969-05-28
Eureka Canyon	JECM	California,U.S.A.	37.0507N	121.8090W	438	From 1969-05-28
Eureka (L)	EK-	Nevada,U.S.A.	39.2089N	115.7103W	1951	From 1963-11-11 to 1964-11-02
Eureka Mesa	EUM	New Mexico,U.S.A.	36.0131N	106.8440W	2914	From 1976-01-13
Eureka Ridge	ERI	Idaho,U.S.A.	46.5347N	116.2750W	862	From 1971-10-01 to 1974-07-26
Eutaw	EU2AL	Alabama,U.S.A.	32.7964N	87.8847W	43	From 1966-11-12 to 1967-01-16
Eutaw	EU-	Alabama,U.S.A.	32.7792N	87.8739W	43	From 1963-07-02 to 1964-10-22
Eutaw	EU-AL	Alabama,U.S.A.	32.7792N	87.8739W	43	From 1963-07-02 to 1964-10-22
Eutaw	EU2	Alabama,U.S.A.	32.7964N	87.8847W	43	From 1966-11-12 to 1967-01-16
Evander	EVA	Transvaal,South Africa	26.5055S	29.0770E	1621	From 1981-01-01 to 1999-01-31
Evansville	EVIN	U.S.A.	37.9716N	87.5297W	140	
Evensk	EVNR	Magadanskaya Oblast',Russia	61.9240N	159.2670E	75	From 2006-05-05
Evensk	EVEN	Magadanskaya Oblast',Russia	61.9140N	159.2290E	17	From 2008-11-23
Everest	EVN	Nepal	27.9568N	86.8167E	5037	
Everett College ANSS-SMO	EVCC	Washington,U.S.A.	48.0073N	122.2055W	30	From 2001-08-28
Everett Gateway Middle School ANSS-SMO	EVGW	Washington,U.S.A.	47.8542N	122.1546W	122	From 2001-07-01
Everglades	EVE	Florida,U.S.A.	25.3873N	80.6828W	1	
Evergreen College	EGRN	Washington,U.S.A.	47.0733N	122.9781W	57	
Evora	NE27	Portugal	38.5320N	8.0130W		
Evora	EVO	Portugal	38.5320N	8.0130W	235	
Evrytania	EVR	Greece	38.9167N	21.8087E	1050	
E Wide Canyon 2	EW2	California,U.S.A.	33.9406N	116.4084W	639	
Ewing Young ES, Newberg ANSS-SMO	EYES	Oregon,U.S.A.	45.3294N	123.0577W	61	From 2002-09-01
Excelsior	EXC	Nevada,U.S.A.	38.3385N	118.3242W	1823	
Exmoor	HEX	England,United Kingdom	51.0668N	3.8025W	278	From 1991-01-01
Exogi	EXG	Greece	38.4609N	20.6327E	331	From 2010-06-09
Experimental Lakes	EPLO	Ontario,Canada	49.6737N	93.7258W	437	
Experiment Station	EXSG	California,U.S.A.	37.6137N	118.8310W	2153	From 1984-07-01
Eystri-Skogar	IESK	Iceland	63.5250N	19.4510W	95	From 2001-10-04
Ezine	EZN	Turkey	39.8258N	26.3253E	50	From 1970-08-01
Fabra	FBR	Spain	41.4164N	2.1250E	405	
Fabrichnaya	FAB	Kazakhstan	43.1470N	76.4470E	1050	
Fachingen	FACH	Rheinland-Pfalz,Germany	50.3563N	7.9938E	110	
Faenza	FAE	Italy	44.3056N	11.8833E	48	
Faenza	FAEN	Italy	44.2895N	11.8770E	41	From 2007-09-17
Fagnano	FAGN	Italy	42.2660N	13.5840E	760	From 2004-05-11
Fagurholsmyri	IFAG	Iceland	63.8750N	16.6540W	27	From 1999-05-14
Failaka Island	FKI	Kuwait	29.4471N	48.3132E	6	
Fairbairn	FAIR	Queensland,Australia	23.6565S	148.0772E	290	
Fairbanks	FB-AK	Alaska,U.S.A.	64.9519N	148.2842W	716	
Fairbanks	FBA	Alaska,U.S.A.	64.9000N	147.7933W	320	From 1978-08-13 to 1996-12-31
Fairbanks	FB2AK	Alaska,U.S.A.	64.9100N	147.4464W	343	
Fairbanks	FBAS	Alaska,U.S.A.	64.7711N	146.8860W	400	
Fairbanks	FBK	Alaska,U.S.A.	64.8994N	148.0060W	330	From 1970-09-01 to 1972-04-30
FAIRBANKS INFRASONIC ARRAY REFERENCE POINTS	GBUS	Alaska	64.8750N	147.8611W	200	From 2002-09-17
Fairbanks--Long Period	FBAL	Alaska,U.S.A.	64.9100N	147.4464W	365	
Fairbourne	WFB	Wales,United Kingdom	52.6830N	4.0378W	325	From 1985-01-01
Fairfield	D25A	North Dakota,U.S.A.	47.1508N	103.3203W	850	From 2009-07-22
Fair Harbour	FHRB	British Columbia,Canada	50.0537N	127.1186W	0	From 2009-03-12
Fairmont	FTW	Washington,U.S.A.	47.8767N	122.2010W	147	From 1975-09-24
Fairpoint	H26A	South Dakota,U.S.A.	44.6168N	102.7739W	879	From 2009-06-20
Fairview Park	FPN1	Nevada,U.S.A.	39.2488N	118.1620W	2002	
Fairview Peak	FPN	Nevada,U.S.A.	39.2040N	118.1560W	2256	From 1971-09-30 to 1999-08-25
Faith Ranch, Carrizo Springs	832A	Texas,U.S.A.	28.2844N	99.9743W	238	From 2009-12-07
Faja de Cima	FAC	Azores,Portugal	37.7732N	25.6505W	191	From 1981-01-01
Fakeheh	FKH	Lebanon	34.2448N	36.4102E	1152	From 2004-12-01
Fak Fak	FAKI	Irian Jaya,Indonesia	2.9192S	132.2489E	136	From 2008-11-27
Falk	FKPU	Sweden	58.1591N	13.7241E	305	From 2004-08-07
Falkenberg	FABU	Sweden	57.0011N	12.7184E	80	From 2006-10-07
Falkenberg	FALK	Bayern,Germany	49.8606N	12.2248E	465	
Falkland Islands	FLK	Falkland Islands	51.8365S	58.4465W	10	From 1992-11-06
Falling Springs	FAL	California,U.S.A.	34.3098N	117.8092W	2316	
Fallon	P07A	Nevada,U.S.A.	39.5399N	118.8893W	1218	From 2006-02-25 to 2008-03-10
Fall River	FLR	Massachusetts,U.S.A.	41.7167N	71.1215W	52	From 1975-03-24 to 1999-01-31
False Pass	FALS	Alaska,U.S.A.	54.8573N	163.4155W	45	
False Pass	FSP	Alaska,U.S.A.	54.9533N	163.4570W	200	
Falun	FALU	Sweden	60.4943N	15.8318E	150	From 2002-01-15
Famagusta	FAM	Cyprus	34.9961N	34.0019E	68	From 1987-02-01 to 1998-11-30
Famara	EFAM	Spain	29.1275N	13.5295W	135	
Fancy Village	SFAN	St Vincent,Saint Vincent and the Grenadines	13.3838N	61.1721W	229	
F and S Farms, Texico	X27A	New Mexico,U.S.A.	34.6469N	103.0974W	1304	From 2008-04-28
Fangliau	SCZT	Taiwan region	22.3720N	120.6200E	74	
Fanning Island	FAN	Line Islands,Kiribati	4.0000N	159.6670W		
Fano Adriatico	RM18	Italy	42.5499N	13.5318E	853	From 2009-04-09 to 2009-06-23
Fanzolo, Italy	MFAN	Italy	45.7119N	11.9989E	65	From 2010-07-06
Faraa	FRAS	Saudi Arabia	21.0584N	40.5183E	1996	
Farallon Islands	NFIM	California,U.S.A.	37.6983N	123.0000W	107	From 1971-05-05
Farallon Islands	FARB	California,U.S.A.	37.6978N	123.0011W	-18	
Farasan al Kabir	FRSS	Saudi Arabia	16.7383N	42.1152E	66	
Faratahi	FRT	Tuamotu,French Polynesia	18.1700S	141.0420W	2	From 1976-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Farellones	FCH	Santiago,Chile	33.3276S	70.2906W	2770	From 1982-01-01
Fargo Canyon	FRGC	California,U.S.A.	33.7572N	116.0623W	887	
Faris Peak	WFAR	Alaska,U.S.A.	54.5371N	164.7765W	640	
Farley Peak	KFPM	California,U.S.A.	39.6392N	123.4240W	796	
Farmers Butte	FBO	Oregon,U.S.A.	44.3099N	122.5780W	1080	From 1991-09-01
Farmington	FARG	New Mexico,U.S.A.	36.7781N	108.1870W	1801	From 1977-10-01 to 1999-08-25
Farmville	FRV	Virginia,U.S.A.	37.2030N	78.3593W	216	From 1978-10-10 to 2004-09-30
Faro	FARH	Ecuador	0.0355S	78.5095W	3595	
Faro	FAR	Portugal	37.0189N	7.9722W	8	
Farra di Soligo, Italy	MPRO	Italy	45.9106N	12.1070E	281	From 2010-06-07
Farr-Stevens Ranch, Sargent	738A	Texas,U.S.A.	28.8404N	95.6481W	13	From 2010-02-16
Farson	L19A	Wyoming,U.S.A.	42.1012N	109.3575W	2034	From 2007-10-24
Fartura	FRTB	Sao Paulo	23.3435S	49.5635W	531	
Far West T-bar	FWVZ	North Island,New Zealand	39.2564S	175.5519E	2000	
Fath-abad	IFTB	Iran	38.0171N	46.3944E	2222	From 2008-01-01
Fatmalar	FAT	Turkey	36.9065N	31.5136E	472	From 1975-04-01
Faulkton	G30A	South Dakota,U.S.A.	45.1293N	99.1446W	496	From 2009-09-09
Faultless	FA-NV	Nevada,U.S.A.	38.6406N	116.2228W	1920	
Fauresmith	FRS	Orange Free State,South Africa	29.7500S	25.3217E	1420	From 1985-01-01 to 2000-09-01
Favara	FAVR	Sicily,Italy	37.2671N	13.6669E	258	
Favara	FAI	Sicily,Italy	37.2758N	13.6756E	149	From 1983-04-01
Favara	FA1	Sicily,Italy	37.3000N	13.6600E	330	From 1983-04-01
Fayetteville	FAV	Arkansas,U.S.A.	36.1214N	94.1906W	387	From 1969-07-01
Fayetteville	FAY	Arkansas,U.S.A.	36.0911N	94.1911W	404	From 1952-01-01 to 1969-07-31
Fayid	FYD	Egypt	30.2930N	32.2310E	200	
Feather Falls	FEA	California,U.S.A.	39.6191N	121.2460W	1227	From 1966-06-01 to 1969-01-31
Featherly Pass	FLP	Alaska,U.S.A.	57.7117N	156.2650W	485	From 1975-10-01
Federal Ranch	FRC	British Columbia,Canada	56.4417N	122.3830W		From 1967-12-01 to 1973-04-06
Feichten	FETA	Austria	47.0211N	10.7291E	1632	From 2006-12-13
Feke	FEKT	Turkey	37.8070N	35.9070E	690	From 1993-01-01
Feldberg	FEL	Baden-Wurttemberg,Germany	47.8758N	8.0127E	1330	From 1961-01-01 to 1996-04-30
Feldberg im Schwarzwald	FELD	Baden-Wurttemberg,Germany	47.8763N	8.0040E	1465	From 1996-04-01
Fenais da Ajuda	PFAD	Azores,Portugal	37.8388N	25.3231W	291	From 2003-12-01
Fenestrelle	FENE	Italy	45.0302N	7.0627E	1000	From 1996-10-01 to 2009-09-30
Feng-lin	TWE*	Taiwan region	23.7367N	120.4255E	140	
Feodosiya	FEO	Ukraine	45.0190N	35.3900E	40	
Fergana	FRG	Uzbekistan	40.3833N	71.7833E	577	
Ferguson	FERR	Nevada,U.S.A.	38.5928N	118.1750W	1646	From 1976-03-01
Fernando de Noronha	FNDO	Brazil	3.8333S	32.4167W		
Ferndale	FER	California,U.S.A.	40.5767N	124.2620W	15	From 1933-01-01
Fern Forest	FEF	Hawaii,U.S.A.	19.4783N	155.1490W	691	
Fernie	FRN	British Columbia,Canada	49.4833N	114.9770W		
Ferrara Citta	FECT	Italy	44.8675N	11.6264E	-55	
Ferry Basin	FBMT	Montana,U.S.A.	47.4068N	114.4222W	1518	
Feteiras	PFET	Azores,Portugal	37.8174N	25.7886W	342	From 2004-06-01
Fethiye	FETY	Turkey	36.6353N	29.0835E	452	From 2004-12-03
Fiamignano	FIAM	Italy	42.2680N	13.1172E	1070	From 2004-07-02
Ficken Ranch, Kirk	P27A	Colorado,U.S.A.	39.5559N	102.5782W	1286	From 2009-02-03
Fickle Hill	FHC	California,U.S.A.	40.8017N	123.9850W	610	From 1968-12-01
Fiddyment Ranch	AFRM	California,U.S.A.	38.7923N	121.3490W	31	From 1976-12-02
Fields	L08A	Oregon,U.S.A.	42.1901N	118.3445W	1490	From 2006-06-19 to 2008-04-19
Fields Point	FPW	Washington,U.S.A.	47.9667N	120.2130W	352	From 1975-06-01
Fierza	FRZ	Albania	42.2813N	20.0382E		
Fiescheralp	FIESA	Switzerland	46.4353N	8.1104E	2338	From 2009-11-12
Fiesheim UWZ	BA04	Nordrhein-Westfalen,Germany	50.7620N	6.7941E	118	From 2006-10-01
Fig Tree	FGTQ	Queensland,Australia	20.9701S	147.7760E	220	From 1987-08-03
Figueroa Mtn.	FIGC	California,U.S.A.	34.7283N	119.9880W	945	
Fila Bonilla	FIBO	Costa Rica	10.0192N	83.7075W	2160	
Fila Carbon	FICA	Costa Rica	9.7375N	82.8945W	204	
Fila de Piedra	FIPE	Venezuela	7.9697N	71.2511W	600	From 1984-01-01
Filaki	VFI	Greece	39.2352N	22.5921E	360	From 1982-10-01
Fila Paraiso	ELPA	Venezuela	7.7917N	71.7253W	1285	From 1984-01-01
Filetto	RM08	Italy	42.3719N	13.5047E	1054	From 2009-04-06 to 2009-08-31
Filicudi I Eolie	IFIL	Sicily,Italy	38.5640N	14.5660E	200	From 1979-01-01
Filignano	CERA	Italy	41.5978N	14.0183E	800	From 2006-07-20
Fillmore	FIL	California,U.S.A.	34.4238N	118.8350W	243	
Fillmore	Q15A	Utah,U.S.A.	38.9995N	112.3793W	1477	From 2007-05-22 to 2008-11-15
Fillmore	FM-	Utah,U.S.A.	39.2183N	112.2069W	1890	From 1961-10-07 to 1966-03-12
Fillmore	FM-UT	Utah,U.S.A.	39.2183N	112.2069W	1890	From 1961-10-07 to 1966-03-12
Fillols	FILF	Languedoc-Rousillon,France	42.5603N	2.5603E	850	From 1998-09-09
Finale Ligure	FINB	Italy	44.1775N	8.3253E	85	From 2008-01-01
Finale Ligure	FIN	Italy	44.2092N	8.2083E	590	From 1984-01-01 to 2009-09-30
Finca la Perla	LAPC	Costa Rica	10.7675N	85.4328W	359	From 2000-01-01
Finca Las Im^¡genes	GBS3	Costa Rica	10.7818N	85.4550W	359	From 2000-01-01
Fine	FINE	New York,U.S.A.	44.2650N	75.1670W	354	
FINESS Array Beam Reference Point	FINES	Finland	61.4436N	26.0771E	150	
FINESS Array Site A0	FIA0	Finland	61.4436N	26.0771E	156	From 1990-01-01
FINESS Array Site A1	FIA1	Finland	61.4445N	26.0793E	138	
FINESS Array Site A2	FIA2	Finland	61.4412N	26.0737E	162	
FINESS Array Site A3	FIA3	Finland	61.4447N	26.0716E	153	
FINESS Array Site B1	FIB1	Finland	61.4441N	26.0845E	165	
FINESS Array Site B2	FIB2	Finland	61.4391N	26.0818E	159	
FINESS Array Site B3	FIB3	Finland	61.4394N	26.0706E	176	
FINESS Array Site B4	FIB4	Finland	61.4436N	26.0650E	158	
FINESS Array Site B5	FIB5	Finland	61.4467N	26.0711E	143	
FINESS Array Site B6	FIB6	Finland	61.4469N	26.0808E	147	
FINESS Array Site C1	FIC1	Finland	61.4384N	26.0596E	158	
FINESS Array Site C2	FIC2	Finland	61.4488N	26.0612E	154	
FINESS Array Site C3	FIC3	Finland	61.4527N	26.0772E	133	
FINESS Array Site C4	FIC4	Finland	61.4489N	26.0899E	145	
FINESS Array Site C5	FIC5	Finland	61.4397N	26.0917E	161	
FINESS Array Site C6	FIC6	Finland	61.4346N	26.0760E	159	
Finlay Fork	FNC	British Columbia,Canada	55.9917N	123.2500W		
Finn Hill Junior High School	FINN	Washington,U.S.A.	47.7191N	122.2319W	10	
Finntorp	FINU	Sweden	59.4034N	12.4789E	20	From 2005-05-01
Finschhafen	FINC	Papua New Guinea	6.6167S	147.8570E	7	From 1992-05-20
Finsterwolde	FSW	Netherlands	53.2146N	7.1204E	0	
Finsterwolde 1	FSW1	Netherlands	53.2135N	7.1195E	1	From 2010-04-29
Finsterwolde 2	FSW2	Netherlands	53.2135N	7.1195E	-74	From 2010-04-29
Finsterwolde 3	FSW3	Netherlands	53.2135N	7.1195E	-149	From 2010-04-29
Finsterwolde 4	FSW4	Netherlands	53.2135N	7.1195E	-224	From 2010-04-29
Finsterwolde 5	FSW5	Netherlands	53.2135N	7.1195E	-299	From 2010-04-29
Fintinele	FTB	Romania	46.6892N	23.0544E	1100	From 1979-01-01
Fiordimonte	FDMO	Italy	43.0365N	13.0873E	550	From 2008-03-27
Firariana	FRR	Madagascar	18.7169S	47.6000E	1555	From 1973-06-01 to 1978-11-16
Fira-Santorini	THR7	Greece	36.4224N	25.4284E	315	From 2010-03-06
Firdgum	FDG4	Netherlands	53.2562N	5.5481E	-119	From 2009-10-13
Firdgum	FDG2	Netherlands	53.2562N	5.5481E	-59	From 2009-10-13
Firdgum	FDG3	Netherlands	53.2562N	5.5481E	-89	From 2009-10-13
Firdgum	FDG1	Netherlands	53.2562N	5.5481E	-29	From 2009-10-13
Fire Island	FIB	Alaska,U.S.A.	61.1662N	150.1753W	62	From 1996-01-01
Fire Island	FIS	Alaska,U.S.A.	61.1442N	150.2190W	76	From 1974-09-24 to 1976-05-04
Firenze	FIR	Italy	43.7739N	11.2550E	46	
Firoozkooh	IFIR	Iran	35.6415N	52.7536E	2380	From 1996-01-01
First Sedna Site,Hudson Bay	SEDN	Nunavut,Canada	63.2502N	91.2081W	121	From 2006-08-24
Fish Creek	FSHM	Victoria,Australia	38.7565S	145.9996E	420	
Fish Creek Ranch, Battle Mountain	O09A	Nevada,U.S.A.	40.1697N	117.1899W	1491	From 2006-04-22 to 2008-03-08
Fish Haven	L16A	Idaho,U.S.A.	42.0149N	111.4319W	2013	From 2007-07-13 to 2009-05-06
Fishrie	MFI	Scotland,United Kingdom	57.6116N	2.2953W	220	From 1988-01-01
Fish Springs	FSU	Utah,U.S.A.	39.7225N	113.3910W	1487	From 1979-06-01
Fitzpatrick Place, Clyde Park	F17A	Montana,U.S.A.	45.9054N	110.6590W	1545	From 2007-10-21 to 2009-09-09
Fitzroy Crossing	FITX	Western Australia,Australia	18.1092S	125.6428E	110	From 1995-03-19 to 1996-09-11
Fitzroy Crossing	FITZ	Western Australia,Australia	18.1020S	125.6390E	110	From 1994-09-01
Fitzroy Falls	FTZM	New South Wales,Australia	34.6421S	150.4838E	711	
Fitzroy Harbor	FHO	Ontario,Canada	45.4550N	76.2170W	72	From 1979-04-01 to 1982-01-11
Fiumefreddo	EFIU	Sicily,Italy	37.7896N	15.2103E	97	From 2009-05-26
Fivizzano	FIVI	Italy	44.2393N	10.1273E	380	From 2006-01-01
Flaach	FLACH	Switzerland	47.5720N	8.5676E	370	From 2003-08-29
Flagg Ranch	FLWY	Wyoming,U.S.A.	44.0827N	110.6993W	2078	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Flag Point	VFP	Oregon,U.S.A.	45.3181N	121.4650W	1716	From 1980-10-01
Flagstaff	W16A	Arizona,U.S.A.	35.0951N	111.5318W	2192	From 2007-04-27 to 2008-11-21
Flagstaff	FLAG	Arizona,U.S.A.	35.1667N	111.6430W	2115	From 1977-05-01
Flagstaff	FS-AZ	Arizona,U.S.A.	35.0692N	111.3094W	1890	From 1961-10-14 to 1966-03-12
Flagstaff	FLG	Arizona,U.S.A.	35.2932N	111.7020W	2445	From 1966-11-01 to 1972-09-30
Flagstaff	FS-	Arizona,U.S.A.	35.0692N	111.3094W	1890	From 1961-10-14 to 1966-03-12
Flaming Gorge	FGU	Utah,U.S.A.	40.9264N	109.3860W	1982	From 1960-01-01 to 1976-06-30
Flanigan	O06A	Nevada,U.S.A.	40.1650N	119.8275W	1228	From 2006-02-24 to 2008-03-05
Flash Two Peak	FLSC	California,U.S.A.	34.9704N	117.0391W	990	From 1979-06-01
Flat	FLA	Utah,U.S.A.	39.4700N	110.4380W	1670	From 1962-01-01 to 1977-03-31
Flatey	IFLA	Iceland	66.1610N	17.8480W	13	From 2000-11-09
Flat Gap	FGTN	Tennessee,U.S.A.	36.4340N	83.1950W	500	From 1991-12-19 to 2008-02-13
Flathead National Forest, Polebridge	A13A	Montana,U.S.A.	48.9330N	114.4135W	1199	From 2006-09-28 to 2009-08-06
Flat Point	KOFP	Alaska,U.S.A.	52.2750N	174.0990W	662	
Flat River	FRM	Missouri,U.S.A.	37.8358N	90.4864W	161	From 1969-01-01 to 1972-12-31
Flat Rock	FRNY	New York,U.S.A.	44.8350N	73.5883W	223	
Flat Top 2	FL2	Washington,U.S.A.	46.1964N	122.3500W	1378	
Flavio Alfaro	FLFR	Ecuador	0.3574S	79.8427W	399	From 2008-12-10
Fleetwood	FLT	Alabama,U.S.A.	33.2580N	87.4095W	128	From 1971-01-09
Flemingsburg	SLKY	Kentucky,U.S.A.	38.4260N	83.7510W	280	From 1989-02-15
Flemingsburg	FLKY	Kentucky,U.S.A.	38.4260N	83.7510W	280	From 1989-02-15
Fletcher	FLE	Vermont,U.S.A.	44.7227N	72.9517W		
Fletcher	FLET	Vermont,U.S.A.	44.7227N	72.9517W	366	From 1977-08-08
Fletcher Lake Big Creek, BC	FLLB	British Columbia,Canada	51.7390N	123.1059W	1189	From 2006-08-24 to 2008-06-10
Flin Flon	FFC	Saskatchewan,Canada	54.7250N	101.9780W	338	From 1965-02-22
Flin Flon Array Beam Reference Point	FLAR	Saskatchewan,Canada	54.7188N	101.9950W	229	
Flin Flon Array Site 1	FL01	Saskatchewan,Canada	54.7257N	101.9921W		
Flin Flon Array Site 10	FL10	Saskatchewan,Canada	54.7398N	101.9559W		
Flin Flon Array Site 11	FL11	Saskatchewan,Canada	54.7171N	101.9410W		
Flin Flon Array Site 12	FL12	Saskatchewan,Canada	54.6984N	101.9454W		
Flin Flon Array Site 13	FL13	Saskatchewan,Canada	54.6875N	101.9855W		
Flin Flon Array Site 14	FL14	Saskatchewan,Canada	54.6925N	102.0241W		
Flin Flon Array Site 15	FL15	Saskatchewan,Canada	54.7126N	102.0421W		
Flin Flon Array Site 16	FL16	Saskatchewan,Canada	54.7361N	102.0558W		
Flin Flon Array Site 17	FL17	Saskatchewan,Canada	54.7481N	102.0301W		
Flin Flon Array Site 18	FL18	Saskatchewan,Canada	54.7599N	101.9958W		
Flin Flon Array Site 2	FL02	Saskatchewan,Canada	54.7252N	101.9677W		
Flin Flon Array Site 3	FL03	Saskatchewan,Canada	54.7120N	101.9634W		
Flin Flon Array Site 31	FL31	Saskatchewan,Canada	54.7189N	101.9950W	229	
Flin Flon Array Site 4	FL04	Saskatchewan,Canada	54.7119N	101.9811W		
Flin Flon Array Site 5	FL05	Saskatchewan,Canada	54.7087N	102.0021W		
Flin Flon Array Site 6	FL06	Saskatchewan,Canada	54.7182N	102.0096W		
Flin Flon Array Site 7	FL07	Saskatchewan,Canada	54.7266N	102.0168W		
Flin Flon Array Site 8	FL08	Saskatchewan,Canada	54.7348N	101.9902W		
Flin Flon Array Site 9	FL09	Saskatchewan,Canada	54.7544N	101.9668W		
Flint Hills	HFHM	California,U.S.A.	36.8882N	121.4690W	101	From 1975-12-10
Flippin	FLPT	Tennessee,U.S.A.	36.4094N	89.3206W	131	
Florencia	FLOC	Colombia	1.5137N	75.6326W	364	From 1994-01-01
Flores Is	FLOR	Azores,Portugal	39.4347N	31.1921W	605	From 1991-09-09
Florida	FLOM	Guerrero,Mexico	17.2255N	100.3887W	840	
Florina	FNA	Greece	40.7838N	21.3762E	750	From 1989-12-01
Florissant	FLO	Missouri,U.S.A.	38.8017N	90.3700W	160	From 1928-01-01 to 1971-08-31
Floro	FOO	Norway	61.5980N	5.0440E	10	From 1999-06-08
Flostrand	FLOS	Norway	66.3365N	13.3647E	20	From 2005-05-01
Flostrand	STOK2	Norway	66.3400N	13.3600E	20	From 2005-07-01
Flower Mountain	FMTX	Texas,U.S.A.	31.7720N	94.8050W	220	
Flueckinger Farm, Gordon	K27A	Nebraska,U.S.A.	42.7036N	102.2364W	1131	From 2008-11-16
Flymyra	FLYU	Sweden	60.1282N	17.8846E	100	From 2002-01-13
Focsani	FOC	Romania	45.6950N	27.1833E	61	From 1942-07-12
Fodele	FODE	Crete,Greece	35.3797N	24.9576E	50	
Foel Wylfa	FOEL	Wales,United Kingdom	52.8898N	3.2012W	449	From 2008-10-30
Fofonovo	FFNB	Buryatiya,Russia	52.0470N	106.7640E	564	From 1999-08-01
Foggia	FGG	Italy	41.4500N	15.5514E		From 1977-11-01
Foggia	FOG	Italy	41.4500N	15.5514E		From 1977-11-01
Foggia	FG1	Italy	41.4500N	15.5514E		From 1977-11-01
Fogo--Pe de Pico	FPPC	Cape Verde Islands	14.9603N	24.3658W	1680	
Foia	PFFO	Portugal	37.3163N	8.5860W	799	From 1996-01-01 to 2009-05-30
Foligno	FOL	Italy	42.9567N	12.7067E		
Folkestone	TFO1	England,United Kingdom	51.1135N	1.1409E	202	From 1989-01-01
Fond-Bernard	FNG	Guadeloupe	16.0603N	61.6867W	825	
Fontana	FON	California,U.S.A.	34.0996N	117.4387W	449	
Fontana Vidola	FNVD	Italy	44.1678N	11.1229E	950	From 2003-10-22
Fontenelle, Green River	L18A	Wyoming,U.S.A.	41.9243N	110.0364W	2051	From 2007-11-03
Fontinhas	FOT	Azores,Portugal	38.7411N	27.3361W		
Fontmartina	CFON	Spain	41.7623N	2.4356E	972	
Fontmartina	FONT	Spain	41.7622N	2.4338E	963	
Font Roja	AFON	Spain	38.6649N	0.5412W	1120	From 2008-12-23
Fool Peak	FLU	Utah,U.S.A.	39.3782N	112.1710W	1950	
Forcella Aurine	FAU	Italy	46.2300N	11.9800E	1430	
Fordham	FOR	New York,U.S.A.	40.8631N	73.8856W	24	From 1910-01-01
Ford Ranch	FRD	California,U.S.A.	33.4947N	116.6022W	1164	
Ford Ridge	FDU	Utah,U.S.A.	39.7568N	110.9900W	2975	From 1978-03-01 to 2004-03-05
Forest Bistro	DFBT	Dominica	15.2401N	61.3559W	83	
Forest Hill	FWV	West Virginia,U.S.A.	37.5817N	80.8117W	756	
Forest Hills Divide	AFDM	California,U.S.A.	38.9480N	120.9720W	549	From 1983-05-16
Forest Hill Site	AFHM	California,U.S.A.	39.0418N	120.7910W	1064	From 1976-07-20
Forest Lakes	X17A	Arizona,U.S.A.	34.3371N	110.8058W	2280	From 2007-04-13 to 2009-02-20
Forgia Vecchia	VL6*	Sicily,Italy	38.4089N	14.9611E		From 1966-04-01 to 1966-05-01
Forni Avoltri	FOA	Italy	46.5867N	12.7750E	880	From 1982-06-06 to 1988-01-01
Forni Avoltri	FVI	Italy	46.5966N	12.7804E	1024	
Forrest	FORR	Western Australia,Australia	30.8500S	128.1000E		From 1988-01-01 to 1992-05-17
Forrest	FRTM	Victoria,Australia	38.5337S	143.7160E	230	
Forrest	FORT	Western Australia,Australia	30.7790S	128.0590E	165	From 1992-05-19
Forrest Kerr	FKBC	British Columbia,Canada	56.7847N	130.6180W	1175	From 1989-10-10
Forsmark	FORU	Sweden	60.3870N	18.1801E	10	From 2005-05-12
Forsnaval	RFO	Scotland,United Kingdom	58.2133N	7.0052W	197	From 1995-09-10
Forsyth	FR-	Montana,U.S.A.	46.1000N	106.4403W	823	From 1963-07-07 to 1964-08-05
Forsyth	FR-MA	Montana,U.S.A.	46.1000N	106.4403W	823	From 1963-07-07 to 1964-08-05
Forsythe	AN2*	California,U.S.A.	36.7875N	121.4470W	41	From 1967-09-25 to 1971-04-27
Fort Charlotte	FCV	St Vincent,Saint Vincent and the Grenadines	13.1570N	61.2450W	194	
Fort Churchill	FCC	Manitoba,Canada	58.7617N	94.0867W	39	
Fort de France	FDF	Martinique	14.7333N	61.1503W	510	
Fort de Pagny la Blanche Cˆ·te (52)	PAGF	France,France	48.5551N	5.7251E	384	From 2008-11-05
Fort Gibson	GBO	Oklahoma,U.S.A.	35.8526N	95.1843W	302	From 1979-07-19 to 1984-12-30
FORTIN DE LA CUMBRE	FDCV	Venezuela	10.5407N	66.9537W	1472	From 2003-09-08
Fort Lent	NE42	Netherlands	51.8630N	5.8510E		
Fort MacArthur	FMA	California,U.S.A.	33.7125N	118.2850W	15	
Fort Macarthur Park	FMP	California,U.S.A.	33.7126N	118.2938W	89	From 2004-04-01
Fort McLeod	FT-BC	British Columbia,Canada	54.9136N	122.8822W	914	From 1962-11-16 to 1962-12-09
Fort McLeod	FT-	British Columbia,Canada	54.9136N	122.8822W	914	From 1962-11-16 to 1962-12-09
Fort Nelson	FL-BC	British Columbia,Canada	58.8606N	122.8364W	655	From 1965-10-22 to 1965-11-15
Fort Nelson	FL-	British Columbia,Canada	58.8606N	122.8364W	655	From 1965-10-22 to 1965-11-15
Fort Nelson	FNBB	British Columbia,Canada	58.8904N	123.0097W	618	
Fort Nelson	FNBC	British Columbia,Canada	58.8418N	122.5737W	380	From 1998-02-09 to 2006-03-28
Fort Paine	FPAL	Alabama,U.S.A.	34.5403N	85.6113W	556	
Fort Rock	J05A	Oregon,U.S.A.	43.2843N	121.2357W	1540	From 2006-07-17 to 2007-11-02
Fort Ross	FTR	California,U.S.A.	38.5227N	123.1610W	528	From 1975-01-22
Fort Saint James	FSB	British Columbia,Canada	54.4767N	124.3280W	747	
Fort Saint James	FSJ	British Columbia,Canada	54.4633N	124.2800W	772	From 1965-05-12 to 1979-04-17
Fort Shafter	SFTX	Texas,U.S.A.	29.9255N	104.3696W	1384	
Fort Sherman	FH-	Panama	9.3631N	79.9583W	15	From 1966-11-14 to 1966-12-20
Fort Sherman	FH-PM	Panama	9.3631N	79.9583W	15	From 1966-11-14 to 1966-12-20
Fort Simpson	FST	Northwest Territories,Canada	61.8400N	121.2750W	175	From 1986-01-09
Fort Simpson	FST1	Northwest Territories,Canada	61.7858N	121.2590W	175	From 1985-10-06 to 1986-01-09
Fort Smith	FSMA	Alberta,Canada	59.9862N	111.8218W	187	From 2010-09-12
Fort Stockton	FO-TX	Texas,U.S.A.	30.9017N	102.6978W	880	From 1964-06-21 to 1965-04-12
Fort Stockton	FO-	Texas,U.S.A.	30.9017N	102.6978W	880	From 1964-06-21 to 1965-04-12
Fort Tejon	FTC	California,U.S.A.	34.8708N	118.8918W	942	From 1952-11-21
Fortuna	FORC	Costa Rica	10.4665N	84.6698W	286	

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Fortuna	FTA	Panama	8.6815N 82.2647W	629	
Fortuna Mine	FTM	Arizona,U.S.A.	32.5548N 114.3340W	263	From 1975-07-01 to 2009-04-08
Fort Yukon	FYU	Alaska,U.S.A.	66.5660N 145.2320W	137	From 1972-02-09
Fort Yukon	FY1	Alaska,U.S.A.	67.2667N 148.9700W	939	From 1975-09-01
Fort Yukon	FY2	Alaska,U.S.A.	67.1245N 147.0970W	671	From 1975-09-01
Fort Yukon	FY3	Alaska,U.S.A.	68.1472N 145.7000W	1439	From 1975-09-01 to 1978-08-14
Fort Yukon	FY4	Alaska,U.S.A.	67.4533N 146.2100W	792	From 1975-09-01 to 1978-08-14
Fort Yukon	FY5	Alaska,U.S.A.	67.1400N 143.2500W	558	From 1975-09-01
Fosdinovo	FS1	Italy	44.1267N 10.0250E		
Fosdinovo	FSI	Italy	44.1261N 10.0253E	0	From 1977-01-01 to 1979-12-31
Fossombrone	FSSB	Italy	43.6922N 12.7775E	498	
Fouillouse	FOUF	Provence-Cote d'Azur,France	44.5292N 6.7819E		From 1983-01-01
Foulwind	FLW	South Island,New Zealand	41.7522S 171.5000E	20	From 1968-05-24 to 1968-07-02
Foumbot	FBT	Cameroon	5.4690N 10.5710E	1040	From 1987-02-17
Fountain Green	P16A	Utah,U.S.A.	39.6092N 111.6595W	1822	From 2007-05-28 to 2009-04-11
Fountain Ranch, Boone	R25A	Colorado,U.S.A.	38.1474N 104.2834W	1461	From 2008-06-04
Fourare	FOE	Morocco	31.9880N 9.2610W		
Four Mile Canyon	FMC	Oregon,U.S.A.	45.6244N 120.0280W	305	From 1975-11-01
Fournols	FRNF	Limousin,France	45.3867N 2.5627E	670	
Fourpeaked Station 1	FOSS	Alaska,U.S.A.	58.7994N 153.6950W	546	
Fourpeaked Station 2	FONW	Alaska,U.S.A.	58.8348N 153.9184W	905	
Fourpeaked Volcano	FOPK	Alaska,U.S.A.	58.7580N 153.4739W	546	
Four Points	FPST	Tennessee,U.S.A.	35.9780N 89.4547W	106	
Four Seasons	FS03	Queensland,Australia	25.1068S 151.8667E	180	From 2001-02-16
Fox Airport	FOXC	California,U.S.A.	34.7443N 118.2326W	683	From 1981-03-01
Fox Creek	FXWY	Wyoming,U.S.A.	43.6381N 111.0268W	2254	
Fox Creek	FOX	California,U.S.A.	40.5212N 123.9920W	113	From 1974-06-19
Fox Glacier	FOZ	South Island,New Zealand	43.5649S 169.6885E	0	
Foz do Areia	FDA4	Parana,Brazil	26.1670S 51.7700W	0	
Foz do Areia	FDA	Parana,Brazil	25.9869S 51.5153W		From 1979-01-01
Foz do Areia	FDA5	Parana,Brazil	26.1498S 51.4552W	1000	From 1981-01-01
Francis Marion National Forest	FMF	South Carolina,U.S.A.	32.9540N 79.8410W		From 1973-02-28 to 1973-10-02
Francis Peak	FPU	Utah,U.S.A.	41.0264N 111.8370W	2816	From 1974-09-01
Franconia Notch	FNN	New Hampshire,U.S.A.	44.1600N 71.6817W	1060	From 1967-01-01 to 1975-12-31
Frank Field Bay, Greenland	FFBG	Greenland	82.1294N 56.0364W	30	From 2004-07-27
Franklin	FKO	Oklahoma,U.S.A.	35.2613N 97.3861W	351	From 1987-01-01
Franklin	FN-WV	West Virginia,U.S.A.	38.5494N 79.5131W	910	From 1964-05-04 to 1965-11-12
Franklin	FN-	West Virginia,U.S.A.	38.5494N 79.5131W	910	From 1964-05-04 to 1965-11-12
Franklin	FNO	Oklahoma,U.S.A.	35.2571N 97.4006W	357	From 1992-04-28
Franklin Camp	FCBC	British Columbia,Canada	48.9742N 124.7358W	255	From 2006-12-19 to 2007-02-15
Franklin College	FMPA	Pennsylvania,U.S.A.	40.0478N 76.3208W	121	
Franklin Falls Dam	FFD	New Hampshire,U.S.A.	43.4701N 71.6533W	131	
Frank Sound, Grand Cayman	FSCY	Cayman Islands	19.3129N 81.1835W	1	From 2011-01-01
Franktown	FK-	Colorado,U.S.A.	39.5867N 104.4617W	1803	From 1966-11-17 to 1967-06-26
Franktown	FK-CO	Colorado,U.S.A.	39.5867N 104.4617W	1803	From 1966-11-17 to 1967-06-26
Fraticciola Selvatica (Perugia) - PG	AT08	Italy	43.1834N 12.5482E	608	From 2010-04-01
Frdhf. Weidikon, ZR	EWZT1	Switzerland	47.3728N 8.5087E	410	From 2009-08-25
Frederick Butte	VFBM	Oregon,U.S.A.	43.6585N 120.2370W	1369	
Fred Haigh	FRED	Queensland,Australia	24.8985S 151.8970E	120	
Freedom	FDKY	Kentucky,U.S.A.	36.7900N 85.7942W	306	From 1987-03-27
Freed Ranch, Watford	C25A	North Dakota,U.S.A.	47.7124N 103.2558W	700	From 2009-07-25
Fregona, Italy	MFRE	Italy	46.0151N 12.3552E	545	From 2010-06-22
Freiberg	FBE	Sachsen,Germany	50.9212N 13.3541E	44	From 2004-10-01
Freiburg im Breisgau	FBB	Baden-Wurttemberg,Germany	48.0016N 7.8532E	258	From 1994-01-01
Fremont Peak	HFPM	California,U.S.A.	36.7537N 121.4900W	705	From 1970-09-02
Fremont Peak	FRP	California,U.S.A.	36.7537N 121.4900W	705	From 1970-09-02
Frenchman Hills East	FHE	Washington,U.S.A.	46.9519N 119.4969W	455	
French Village	FVM	Missouri,U.S.A.	37.9840N 90.4260W	310	From 1972-09-01
Frenkendorf	SFRA	Switzerland	47.5036N 7.7091E	350	From 2007-12-31
Fresagrandinaria	FRES	Italy	41.9735N 14.6693E	414	From 2004-09-14
Fresno	FRE	California,U.S.A.	36.7683N 119.7970W	88	From 1935-11-28 to 1971-03-02
FREYUNG INFRASONIC ARRAY REFERENCE POINT DE	I26	Bayern	48.8516N 13.7131E	1111	From 2000-05-16
Friant	FRI	California,U.S.A.	36.9917N 119.7080W	119	From 1971-01-01
Frijoles Canyon	FCN	New Mexico,U.S.A.	35.7719N 106.2500W	1945	From 1973-05-07 to 1973-07-31
Frink	FRK	California,U.S.A.	33.4021N 115.6384W	60	
Frissel Point	FRIS	Oregon,U.S.A.	44.2122N 122.1005W	1642	
Frobisher Bay	FBC	Northwest Territories,Canada	63.7333N 68.4667W	45	
Frobisher Bay	FBN	Northwest Territories,Canada	63.7467N 68.5467W	18	From 1972-09-14
Frobisher Bay	FRB	Northwest Territories,Canada	63.7467N 68.5467W	18	From 1972-11-30
Froelich Ranch	FROB	California,U.S.A.	35.9109N 120.4869W	231	
Frontone	FRON	Italy	43.5178N 12.7257E	515	From 2010-04-19
Front Royal	FTV	Virginia,U.S.A.	38.8661N 78.1689W	341	
Frosini	FROS	Italy	43.2097N 11.1562E	431	From 2010-05-17
Froya	FRO	Norway	61.7570N 4.8820E	20	
Fruitdale	H25A	South Dakota,U.S.A.	44.6215N 103.5981W	942	From 2009-06-19
Fruska Gora	FGSL	Serbia	45.1571N 19.8104E	500	From 2006-01-01
Fruska Gora	FRGS	Serbia	45.1577N 19.8102E	500	From 2005-12-15
Fry Pan Ranch, Harper	J09A	Oregon,U.S.A.	43.3471N 117.7542W	1303	From 2006-08-07 to 2008-07-11
Fube	FUB	Shimane,Japan	35.2838N 133.1560E	190	From 1968-12-15 to 1975-05-01
Fuego	FGO	Guatemala	14.4457N 90.8405W	1410	From 1973-02-01
Fuego 2	FGO2	Guatemala	14.4387N 90.8358W	1335	From 1986-07-01
Fuego 3	FUG	Guatemala	14.4478N 90.8420W	1505	From 1987-03-01
Fuente Hervidero	AFUE	Spain	37.1133N 3.5068W	1586	
Fuerteventura	CFTV	Canary Islands,Spain	28.4138N 14.0833W	540	From 1985-12-01
Fuerteventura	CFUE	Canary Islands,Spain	28.6468N 13.9359W	180	From 2004-11-17
Fuhringer Ranch, Dutton	C16A	Montana,U.S.A.	47.8012N 111.7458W	1240	From 2007-09-02 to 2009-08-12
Fuji-kawa	FUJ	Yamanashi,Japan	35.2312N 138.4715E	140	
Fujikirizawa	K11	Iwate,Japan	39.4783N 141.5325E	527	
Fukue	FKJ	Nagasaki,Japan	32.6933N 128.8267E	26	
Fukue jima 2	JFU	Nagasaki,Japan	32.6555N 128.7495E	120	
Fukui	FKJD	Fukui,Japan	36.0941N 136.1233E	90	
Fukui	FUK	Fukui,Japan	36.0533N 136.2270E	10	
Fukuoka	FKK	Fukuoka,Japan	33.5800N 130.3800E	3	
Fukushima	FKS	Fukushima,Japan	37.7567N 140.4750E	69	
Fulgham	FMKY	Kentucky,U.S.A.	36.6640N 88.9090W	152	From 1986-10-30
Fuller Ranch	FRTX	Texas,U.S.A.	32.9388N 100.8480W	689	From 1979-01-01 to 2003-01-28
Fullerton	FULC	California,U.S.A.	33.8717N 117.9225W	51	
Fullerton Airport	FLAS	California,U.S.A.	33.8713N 117.9750W	-400	From 1986-09-12
Funafuti	FUNA	Tuvalu (Ellice Islands)	8.5259S 179.1966E	-1	
Funaoka	FOTD	Tottori,Japan	35.3305N 134.2672E	200	
Funatsu	FUN	Yamanashi,Japan	35.4983N 138.7630E	860	
Funchal	FUL	Madeira Islands,Portugal	32.6476N 16.8922W	58	From 1973-12-07
Funeral Mountains	FMT	California,U.S.A.	36.6375N 116.7826W	1079	From 1978-11-28
Funks Creek	GFC	California,U.S.A.	39.3266N 122.2889W	64	
FUNVISIS	FUNV	Venezuela	10.4690N 66.8100W	918	From 2000-08-09
Fuquene	FUQ	Colombia	5.4700N 73.7381W	2580	From 1957-12-01
Furan	JFR	Kamikawa,Japan	43.1635N 142.5935E	360	
Furi	FURI	Ethiopia	8.8967N 38.6783E	2560	
Furnace Creek,Death Valley	FURC	California,U.S.A.	36.4700N 116.8600W	-37	From 2004-04-01
Furnas	FRA	Azores,Portugal	37.7593N 25.3533W	557	From 1981-01-01
Furnas	FRA1	Azores,Portugal	37.7430N 25.3568W	555	From 2004-03-01
Furstenfeldbruck	FUR	Bayern,Germany	48.1655N 11.2763E	565	From 1959-01-01
Furth	WBA	Hessen,Germany	49.6544N 8.8183E	483	From 2001-10-25
Furtwangen	FWS	Baden-Wurttemberg,Germany	48.0530N 8.1976E	925	From 1969-03-01
Furusato	FURD	Kagoshima,Japan	31.5608N 130.6614E	360	
Fuscaldo	FSC	Italy	39.4189N 16.0425E	54	
Fusea	FUSE	Italy	46.4142N 13.0011E	520	From 2007-12-13
Fushiki	HKI	Toyama,Japan	36.7833N 137.0500E		
Fush Village	ETL	Taiwan region	24.1590N 121.6230E	415	From 1998-08-07
Fusio	FUSIO	Switzerland	46.4549N 8.6632E	1480	From 1999-08-16
Futaleufu@15	FUTA	Chile	43.1886S 71.8525W	354	
Futatsui	FUT	Akita,Japan	40.1467N 140.2167E	140	From 1967-12-29
Fytoko, Volos	FYTO	Greece	39.4086N 22.9396E	192	From 2008-07-01
Gabbs	Q08A	Nevada,U.S.A.	38.8606N 117.9316W	1411	From 2006-03-02 to 2008-03-14
Gabbs	GAB	Nevada,U.S.A.	38.9752N 117.9130W		
Gabel Atot	ATOT	Egypt	28.1698N 33.8603E		
Gable Butte	GBB	Washington,U.S.A.	46.6082N 119.6270W	177	
Gable Mountain	GBL	Washington,U.S.A.	46.5983N 119.4600W	330	From 1969-03-01
Gabriel Gonzalez Videla	GGV	Antarctic Peninsula	64.8199S 62.8633W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Gafsa	GAF	Tunisia	34.4167N	8.8000E	314	From 1976-01-01
Gafsa	GFA	Tunisia	34.3382N	9.7265E	250	
Gagliano Castelferrato	GALF	Italy	37.7107N	14.5665E	740	From 2006-10-27
Gaibana	GBAN	Nepal	28.6800N	81.6140E	2120	
Gainesville	GAI	Florida,U.S.A.	29.6458N	82.3394W	50	
Gala	GALA	Azerbaijan	40.4100N	50.1550E	22	From 2003-08-01
Gala Law	EGL	Scotland,United Kingdom	55.8617N	2.7383W	245	From 1969-01-01 to 1981-11-27
Gala Law	EGL1	Scotland,United Kingdom	55.8611N	2.7425W	245	
Galapagos Islands	GIE	Galapagos,Ecuador	0.7333S	90.3000W	30	From 1960-01-01
Galatos Road	GRRZ	North Island,New Zealand	38.3497S	176.1099E	580	From 2009-11-12
Galela, Maluku	GAMI	Moluccas,Indonesia	1.8381N	127.7879E	130	From 2008-12-01
Galena City School	GCSA	Alaska,U.S.A.	64.7461N	156.8792W	46	
Galera	GALE	Ecuador	0.8213N	80.0133W	25	From 1991-11-03 to 1992-04-28
Galerazamba	GAL	Colombia	10.7856N	75.2622W	21	From 1949-04-01
Galeton	GT-PA	Pennsylvania,U.S.A.	41.6317N	77.8111W	610	From 1962-05-31 to 1962-06-28
Galeton	GT-	Pennsylvania,U.S.A.	41.6317N	77.8111W	610	From 1962-05-31 to 1962-06-28
Galiano Island	GOBB	British Columbia,Canada	48.9493N	123.5105W	161	
Galiano Island	GOB	British Columbia,Canada	49.0122N	123.5830W	10	
Galich'ya Gora	LPSR	Voronezhskaya Oblast'	52.6012N	38.9282E	136	From 2007-08-05
Galileo	GALC	California,U.S.A.	35.2137N	117.7547W	980	
Galion	GZ-OH	Ohio,U.S.A.	40.6600N	82.7833W	372	
Gallatin	GLT	Tennessee,U.S.A.	36.3620N	86.4980W	159	From 1981-11-10
Galloway	GAL1	Scotland,United Kingdom	54.8664N	4.7114W	117	From 1989-01-01
Galoa	NGA	Fiji	18.1919S	177.9979E	396	From 1979-10-01
Galvasay	GAY	Uzbekistan	41.5333N	69.9000E		
Gambarie	GMB	Italy	38.1681N	15.8289E	1300	
Gambatesa	GATE	Italy	41.5131N	14.9102E	487	From 2009-11-03
Gambell	GAMB	Alaska,U.S.A.	63.7767N	171.7008W	10	
Gameti Lake	GALN	Yukon Territory,Canada	64.1167N	117.3143W	340	
Ganado	V18A	Arizona,U.S.A.	35.7113N	109.9327W	1977	From 2007-05-11 to 2009-02-07
Ganagobie	GANF	Provence-Cote d'Azur,France	43.9976N	5.9087E	650	
Ganaly	GNL	Kamchatskaya Oblast',Russia	53.6950N	157.9419E	1200	
Gandia	EXGA	Spain	38.9660N	0.1780W	40	From 2003-09-24
Ganghwa	KSGAH	South Korea	37.7076N	126.4465E	62	From 2009-01-01
Gangneung	KSKAN	South Korea	37.7425N	128.8893E	25	From 2001-12-15
Gangseo	KSGSG	South Korea	37.5485N	126.8446E	67	From 2007-12-12
Gangtok	GTK	Sikkim,India	27.3333N	88.6167E	1765	
Ganja	KRV	Azerbaijan	40.6280N	46.3100E	532	From 1950-01-01
Ganja	GANJ	Azerbaijan	40.6460N	46.3220E	574	From 2003-01-01
Ganjari	GJRN	Nepal	29.4800N	80.7400E	2934	
Ganki	GNK	Aomori,Japan	40.7322N	140.3366E	100	
Ganzirri	GZI	Sicily,Italy	38.2647N	15.6086E		
Gaotai	GTA	Gansu,China	39.4106N	99.8144E	1341	
Garchy	GRC	Bourgogne,France	47.2956N	3.0736E	191	From 1957-11-22
Gardenia Lake, NWT	GDLN	Northwest Territories,Canada	62.0199N	105.9943W	385	From 2008-07-16
Gardner Draw, Artesia	125A	New Mexico,U.S.A.	32.6588N	104.6573W	1212	From 2008-03-13 to 2010-02-18
Gardner Farm	GRD	Utah,U.S.A.	40.5983N	111.9258W	1323	
Gardner Place, Afton	K17A	Wyoming,U.S.A.	42.7507N	110.9201W	1922	From 2007-11-03 to 2009-05-16
Gareloi East	GAEA	Alaska,U.S.A.	51.7830N	178.7468W	326	
Gareloi-Kavalga I.	GAKI	Alaska,U.S.A.	51.5544N	178.8121W	99	
Gareloi Lava Pt.	GALAA	Alaska,U.S.A.	51.7618N	178.7715W	315	
Gareloi North	GANO	Alaska,U.S.A.	51.8203N	178.8038W	451	
Gareloi Northeast	GANE	Alaska,U.S.A.	51.8189N	178.7767W	322	
Gareloi Southwest	GASW	Alaska,U.S.A.	51.7789N	178.8546W	248	
Gariep Dam	HVD	South Africa,South Africa	30.6050S	25.4967E	1433	
Garland	GL-	Texas,U.S.A.	32.9722N	96.6350W	168	
Garland	GL-TX	Texas,U.S.A.	32.9722N	96.6350W	168	
Garm	GAM	Tajikistan	39.0000N	70.3167E	1300	
Garm	GAR	Tajikistan	39.0000N	70.3167E	1300	
Garmisch-Partenkirchen	PART	Bayern,Germany	47.4970N	11.1130E	760	From 2003-01-01
Garmisch-Partenkirchen	GAP	Bayern,Germany	47.4767N	11.0644E	725	From 1973-06-01 to 2004-08-13
Garmisch-Partenkirchen	GAPA	Bayern,Germany	47.4970N	11.1170E	760	From 1991-01-01
Garner Mountain	LGMM	California,U.S.A.	41.5997N	121.8350W	1560	From 1988-10-23
Garner Valley	GVDA	California,U.S.A.	33.6689N	116.6738W	1341	
Garnes Mountain	GMI	Idaho,U.S.A.	43.7065N	111.3430W	2630	From 1974-06-01 to 1980-07-24
Garni	GNI	Armenia	40.1495N	44.7414E	1583	From 1992-01-01
Garraf	CGAR	Spain	41.2944N	1.1339E	584	
Garret Mountain	GMTN	New Jersey,U.S.A.	40.8825N	74.1845W	165	From 1978-04-25
Garrett	L23A	Wyoming,U.S.A.	42.1143N	105.7012W	2153	From 2008-07-17
Garrison	GARN	New York,U.S.A.	41.3603N	73.9240W	207	
Garrison Hill	GHW	Washington,U.S.A.	47.0417N	122.2720W	268	From 1975-09-24
Garrygala	GARG	Turkmenistan	38.4390N	56.2730E	315	
Garurganga	GARI	Uttar Pradesh,India	30.4525N	79.4445E	1500	From 1986-07-26
Garvey Reservoir	GVRC	California,U.S.A.	34.0497N	118.1199W	141	From 1987-10-08
Gary	239A	Texas,U.S.A.	32.0179N	94.4707W	100	From 2010-02-21
Gasbuggy	GB-NM	New Mexico,U.S.A.	36.6869N	107.2261W	2164	
Gaspe, Quebec	GASG	Quebec,Canada	48.9463N	66.1161W	261	From 2005-10-25
Gateway	GACO	Colorado,U.S.A.	38.6844N	108.9737W	1414	
Gauribidanur Array	GBA	Karnataka,India	13.6042N	77.4361E	686	From 1965-01-01
Gaurikund	GKD	Himachal Pradesh,India	30.6213N	79.0029E	1760	From 2007-05-01
Gavdhos	GAVD	Crete,Greece	34.8432N	24.0862E	175	
Gavdhos	GVD	Crete,Greece	34.8391N	24.0874E	180	
Gavdos	GVDS	Crete,Greece	34.8435N	24.0902E	164	From 2007-05-01
Gavelli	GAVE	Italy	42.6922N	12.8942E	1161	From 2006-09-26
Gavieira, Arcos de Valdevez	PGAV	Portugal	41.9653N	8.2698W	1084	From 2008-10-27
Gavin Park	CGPM	California,U.S.A.	37.6453N	122.0100W	366	
Gaylord	GY-MN	Minnesota,U.S.A.	44.5047N	94.0547W	305	From 1962-07-05 to 1962-07-11
Gaylord	GY-	Minnesota,U.S.A.	44.5047N	94.0547W	305	From 1962-07-05 to 1962-07-11
Gaynekanda	GNKN	Nepal	28.6330N	81.3310E	1334	
Gaziantep	GZTT	Turkey	37.0361N	37.3125E	850	From 1992-01-01
Gaziantep	GZT	Turkey	37.3553N	37.5641E	1446	From 2002-03-01
Gaziantep	GAZ	Turkey	37.1721N	37.2113E	864	From 1989-07-01
Gaziantep	SOFT	Turkey	37.1278N	37.3458E	1209	From 1998-02-11 to 2002-08-07
Gazipasa	GAZI	Turkey	36.2347N	32.3157E	394	From 2008-03-06
Gazzo Veronese (Italy)	GAZZ	Italy	45.1134N	11.0950E	12	From 2009-12-04
Gebbies Pass	GPZ	South Island,New Zealand	43.6964S	172.6440E	225	From 1956-11-01 to 1977-10-31
Gebel Alisa	AGAL	Egypt	23.4285N	32.8255E		
Gebel Marawa	AGMR	Egypt	23.5377N	32.5405E		
Gebel Rewraw	AGRW	Egypt	23.6450N	32.8097E		
Gebze	GBZT	Turkey	40.7889N	29.4450E	184	
Gebze	GEB	Turkey	40.8186N	29.4222E	240	From 1979-12-01 to 1999-08-25
GEDABAY	GDB	Azerbaijan	40.7210N	45.7540E	1643	From 2010-12-23
Gedeh	GED	Jawa,Indonesia	7.8333S	113.8330E		
Gedikpinar	GEDT	Turkey	39.9737N	29.7232E	700	From 1994-01-01
Gediz	GEDZ	Turkey	39.0444N	29.4104E	883	From 2010-10-21
Gediz	GDZ	Turkey	39.0888N	29.4811E	1367	From 2005-01-17
Geehi	GEE	New South Wales,Australia	36.4197S	148.1830E	480	From 1958-01-01 to 1968-12-31
Gees Lookout	GEES	Tasmania,Australia	41.4453S	147.1236E	70	From 1995-04-07
Gegechkori	GEG	Georgia	42.3500N	42.3833E	180	From 1957-01-01
Gemlik	GEMT	Turkey	40.4350N	29.1890E	220	From 2006-07-07
Gemona	GEPF	Italy	46.2750N	13.1386E	12	From 2008-07-17
Gemona	GMNA	Italy	46.2750N	13.2369E	270	
General Santos	GTP	Mindanao,Philippines	6.1333N	125.2167E		
General Santos City	GSPH	Mindanao,Philippines	6.0870N	124.9490E	1050	
Geneseo	GENY	New York,U.S.A.	42.7670N	77.8170W	0	From 2001-10-27 to 2007-07-02
Geno	GENO	Iran	27.4000N	56.1723E	1616	From 2010-04-30
Genoa	GNO	Nevada,U.S.A.	38.9292N	119.8530W	1646	
Genova	GEN	Italy	44.4181N	8.9301E	53	From 1963-01-01 to 1995-12-31
Genova University	GENL	Italy	44.4057N	8.9697E	80	From 1995-09-01
Genta-Ana	GENH	Iburi,Japan	42.5513N	140.8532E	150	
Gentilly	GNT	Quebec,Canada	46.3628N	72.3722W	10	From 1978-04-06
Gentvishi	GTS	Georgia	43.3828N	41.2820E	740	From 2006-09-01
Genyem	GENI	Irian Jaya,Indonesia	2.5927S	140.1678E	45	From 2009-11-24
Geochang	KSKUC	South Korea	35.6676N	127.9079E	220	From 2000-02-24
Geochang	KSKCH	South Korea	35.6140N	127.9188E	420	From 2006-12-30
Geological Survey, Reston	GSR	Virginia,U.S.A.	38.9479N	77.3696W	119	From 1975-06-01
Geophysical Institute, University of Alaska	GIA	Alaska,U.S.A.	64.8600N	147.8350W	158	From 1969-06-01 to 1971-01-31
Georgetown	GTD	Delaware,U.S.A.	38.7414N	75.4144W	15	From 1977-01-01 to 1999-01-31
Georgetown	GEO	District of Columbia,U.S.A.	38.9000N	77.0667W	29	From 1911-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Georgetown Playfield ANSS-SMO	GTWN	Washington,U.S.A.	47.5512N	122.3220W	25	From 2004-08-01
GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	GEORG	Queen Maud Land	70.7011S	8.3029W	57	From 2009-07-01
Geraldton	GTO	Ontario,Canada	49.7450N	86.9617W	350	
Gerania Oros	MGER	Greece	37.9860N	23.2602E	600	
GERESS Array Beam Reference Point	GERES	Bayern,Germany	48.8451N	13.7016E	1137	
GERESS Array Site A0	GEA0	Bayern,Germany	48.8368N	13.7019E	1027	
GERESS Array Site A1	GEA1	Bayern,Germany	48.8363N	13.7039E	1009	
GERESS Array Site A2	GEA2	Bayern,Germany	48.8386N	13.7018E	1059	
GERESS Array Site A3	GEA3	Bayern,Germany	48.8350N	13.7000E	1017	
GERESS Array Site B1	GEB1	Bayern,Germany	48.8389N	13.7075E	1015	
GERESS Array Site B2	GEB2	Bayern,Germany	48.8395N	13.6986E	1092	
GERESS Array Site B3	GEB3	Bayern,Germany	48.8369N	13.6960E	1058	
GERESS Array Site B4	GEB4	Bayern,Germany	48.8327N	13.6989E	1006	
GERESS Array Site B5	GEB5	Bayern,Germany	48.8346N	13.7059E	976	
GERESS Array Site C1	GEC1	Bayern,Germany	48.8412N	13.7099E	1027	
GERESS Array Site C2	GEC2	Bayern,Germany	48.8451N	13.7016E	1137	
GERESS Array Site C3	GEC3	Bayern,Germany	48.8424N	13.6917E	1075	
GERESS Array Site C4	GEC4	Bayern,Germany	48.8352N	13.6875E	1103	
GERESS Array Site C5	GEC5	Bayern,Germany	48.8296N	13.6957E	1009	
GERESS Array Site C6	GEC6	Bayern,Germany	48.8268N	13.7091E	942	
GERESS Array Site C7	GEC7	Bayern,Germany	48.8354N	13.7145E	986	
GERESS Array Site D1	GED1	Bayern,Germany	48.8518N	13.7148E	1060	
GERESS Array Site D2	GED2	Bayern,Germany	48.8532N	13.6964E	999	
GERESS Array Site D3	GED3	Bayern,Germany	48.8465N	13.6818E	949	
GERESS Array Site D4	GED4	Bayern,Germany	48.8386N	13.6796E	1039	
GERESS Array Site D5	GED5	Bayern,Germany	48.8246N	13.6807E	1085	
GERESS Array Site D6	GED6	Bayern,Germany	48.8194N	13.6966E	1083	
GERESS Array Site D7	GED7	Bayern,Germany	48.8209N	13.7159E	959	
GERESS Array Site D8	GED8	Bayern,Germany	48.8332N	13.7261E	938	
GERESS Array Site D9	GED9	Bayern,Germany	48.8434N	13.7238E	987	From 1992-01-01
Gerfalco	GRFL	Italy	43.1475N	10.9764E	770	
Gerlach	N07A	Nevada,U.S.A.	40.7721N	118.9716W	1305	From 2006-02-21 to 2006-04-27
Gerlach	N07B	Nevada,U.S.A.	40.7797N	118.9711W	1302	From 2006-04-27 to 2008-03-18
Germantown	GERM	New York,U.S.A.	42.1570N	73.8113W	88	
Germi	GRMI	Iran	38.8081N	47.8938E	1300	From 2004-08-01
Geronimo	Z18A	Arizona,U.S.A.	33.0851N	110.0362W	812	From 2007-03-09 to 2009-01-18
GE Springer Mine, Mill City	N08A	Nevada,U.S.A.	40.7811N	118.1337W	1492	From 2006-02-15 to 2008-03-20
Gesves	BGES	Belgium	50.3845N	5.0869E	295	From 1997-11-15
Gevas	GEVA	Turkey	38.3122N	43.0586E	1672	From 2008-10-31
Gevers	GAUS	Turkmenistan	37.9320N	58.9100E	148	
Geyser Peak	GGPM	California,U.S.A.	38.7647N	122.8440W	1054	From 1975-04-18
Geysers	GDXM	California,U.S.A.	38.8077N	122.7940W	931	
Gezan	GEZ	Tajikistan	39.4000N	67.7000E		
Ghaleghazi	IGHG	Iran	34.3294N	46.5685E	2090	From 2004-01-01
Ghaloghah	IGLO	Iran	36.5024N	53.8302E	1963	From 2000-08-01
Ghamsar	QAM	Iran	33.7606N	51.4397E	1864	From 1985-01-01
Ghanteswor	GHAN	Nepal	29.1800N	80.6300E	2450	From 1995-01-01
Ghardimaou	GHAT	Tunisia	36.4958N	8.3048E	400	
Gharib	GRB	Egypt	28.2705N	32.7859E	465	
Gharneh	IGAR	Iran	32.4038N	52.0418E	2020	From 2005-04-06
Gharyan	GHAR	Libya	32.1220N	13.0863E	709	
Ghazvin	IGZV	Iran	36.3859N	50.2184E	2100	From 1996-01-01
Ghdames	LGHD	Libya	30.0167N	9.4422E	600	
Ghir-Karzin	GHIR	Iran	28.2855N	52.9867E	1200	From 2004-05-11
GHOM	GHVR	Iran	34.4800N	51.2950E	924	From 2007-05-01
Ghuzeima	GHZJ	Jordan	30.5300N	36.3250E	1048	From 1990-01-12
Gibalbin	GIBL	Spain	36.8301N	5.9674W	374	
Gibilmanna	GIB	Sicily,Italy	37.9894N	14.0267E	1000	
Gifford Fjord, Baffin Island, Nunavut	GIFN	Northwest Territories,Canada	69.9945N	81.6380W	92	From 2005-08-19
Gifu	GIF	Gifu,Japan	35.3983N	136.7650E	13	
Gilahina Butte	GLB	Alaska,U.S.A.	61.4418N	143.8100W	845	From 1973-08-25
Gila River Indian Community, Laveen	Z15A	Arizona,U.S.A.	33.2893N	112.1581W	318	From 2007-04-14 to 2008-12-05
Gilbert	GBT	Nevada,U.S.A.	38.1630N	117.6840W	2137	
Gilbert Hill	GHI	Idaho,U.S.A.	46.4702N	116.3190W	920	From 1971-10-01 to 1976-01-14
Gilboa	GILB	New York,U.S.A.	42.4230N	74.4527W	335	
Gileppe	GIP	Belgium	50.5922N	5.9742E		
Giles	GLS	Western Australia,Australia	25.0353S	128.2960E	600	From 1974-10-01 to 1978-04-11
Gilhagi	IGIL	Iceland	66.0770N	16.3510W	134	From 1993-10-23
Gilleleje	GID	Denmark	56.1270N	12.1788E	10	
Gillis	GILR	Nevada,U.S.A.	38.7313N	118.5347W	1676	
Gilmore Creek	GIL	Alaska,U.S.A.	64.9750N	147.4950W	350	
Gilmore Dome	GLM	Alaska,U.S.A.	64.9873N	147.3890W	820	From 1968-08-01
Gilmore Dome	GLN	Alaska,U.S.A.	64.9873N	147.3890W	820	From 1968-08-01
Gilroy Hot Springs	GHS	California,U.S.A.	37.0958N	121.4470W	778	From 1971-09-03
Gilroy Springs	HGSM	California,U.S.A.	37.0958N	121.4470W	778	From 1971-09-03
Gilroy West	HGWM	California,U.S.A.	37.0170N	121.6530W	131	From 1975-10-02
Gimchen	KSGIC	South Korea	36.0799N	128.1024E	123	From 2007-12-12
Ginetes	SET2	Azores,Portugal	37.8435N	25.8066W	525	From 1998-09-01
Gioiosa Marea	ME15	Italy	38.1708N	14.8988E	116	From 2008-05-13 to 2010-01-31
Gippayama	GPY	Nagano,Japan	36.3944N	138.5000E	2033	
Giralia	GIRL	Western Australia,Australia	22.6430S	114.2340E	111	From 1995-09-04
Girardeau Bridge	CBMO	Missouri,U.S.A.	37.3036N	89.5236W	102	
Girdled Road	CGRR	Ohio,U.S.A.	41.6787N	81.1418W	334	
GIRESUNGRSN	GRSN	Turkey	40.9244N	38.2681E	536	From 2005-08-09
Girifalco	GRI	Italy	38.8221N	16.4200E	510	
Girl Scout Camp	GSCY	New York,U.S.A.	41.2661N	74.0039W	110	
Girov	GIRR	Romania	46.9551N	26.5008E	334	From 2010-08-18
Gisborne	GNZ	North Island,New Zealand	38.6442S	178.0230E	30	From 1963-07-01
Gissar	GIS	Tajikistan	38.4667N	68.5667E		
Giuliano Di Roma	GIUL	Italy	41.5583N	13.2546E	566	From 2002-06-12
Giurgiulesti	GIUM	Moldova	45.4850N	28.2081E	106	From 2007-07-27
Giv'at Hamore	GVMR	Israel	32.6200N	35.3700E	90	From 1991-12-01
Givet	GIVF	Nord-Pas-de-Calais,France	50.1022N	4.8233E	295	From 1996-04-03
Gizo	GIZ	Solomon Islands,Papua New Guinea	8.0986S	156.8420E	20	
Gjilan	GJIK	Kosovo	42.4616N	21.4359E	630	From 2008-07-06
Glacier Island	GLC	Alaska,U.S.A.	60.8907N	147.0720W	3	From 1972-07-24 to 1984-09-17
Glacier Island	GLI	Alaska,U.S.A.	60.8797N	147.0940W	429	From 1984-09-18
Glacier Lake	GLK	Washington,U.S.A.	46.5639N	121.6090W	1320	
Glacier Peak	GC-WA	Washington,U.S.A.	48.1622N	121.2822W	671	From 1962-11-08 to 1962-12-12
Glacier Peak	GPW	Washington,U.S.A.	48.1179N	121.1379W	2354	
Glacier Peak	GC-	Washington,U.S.A.	48.1622N	121.2822W	671	From 1962-11-08 to 1962-12-12
Glacier Shelter	GSZ	North Island,New Zealand	39.2686S	175.5616E	2530	From 1976-07-01 to 1984-03-31
Gladstone	GLAD	Tasmania,Australia	40.9844S	148.0086E	146	From 1996-01-01
Gladstone Plant	GLADS	Queensland,Australia	23.8697S	151.2681E	117	
Gladstone Stream	GSP	South Island,New Zealand	44.1336S	170.0180E	840	From 1975-01-01 to 1978-04-30
Glafira	VGL	Greece	39.4456N	22.8842E	424	From 1982-10-01
Glamis	GLA	California,U.S.A.	33.0520N	114.8270W	627	From 1966-12-20
Glashutten	GHA	Austria	47.4625N	16.3881E	500	
Glass	GLAT	Tennessee,U.S.A.	36.2694N	89.2876W	120	
Glass	GLST	Missouri,U.S.A.	36.2691N	89.2877W	122	
Glebe high school	OTGH	Ontario,Canada	45.4014N	75.6969W	74	From 2001-12-18
Glehn	BA17	Nordrhein-Westfalen,Germany	51.2516N	6.3657E	65	From 2006-10-01
Glen Almond	GAC	Quebec,Canada	45.7033N	75.4783W	62	From 1979-10-26
Glen Avon	GAV	California,U.S.A.	34.0225N	117.5049W	262	From 1976-01-01
Glenbawn Bedrock	GBBM	New South Wales,Australia	32.0925S	150.9725E	275	
Glenbawn Dam	GBAM	New South Wales,Australia	32.1114S	150.9993E	293	
Glen Canyon	GCA	Arizona,U.S.A.	36.9736N	111.5931W	1339	From 1960-08-01 to 1999-08-25
Glen Canyon Dam (NPS), Page	T16A	Arizona,U.S.A.	36.9839N	111.5060W	1177	From 2007-03-17 to 2008-11-19
Glen Cove	GCY	New York,U.S.A.	40.8583N	73.6300W	43	From 1965-02-01
Glendale	K02A	Oregon,U.S.A.	42.7667N	123.4898W	963	From 2006-05-26 to 2007-11-28
Glendive	GI-	Montana,U.S.A.	47.1928N	104.2194W	732	From 1963-07-17 to 1964-08-05
Glendive	D24A	Montana,U.S.A.	47.1152N	104.3270W	766	From 2008-09-19
Glendive	GI-MA	Montana,U.S.A.	47.1928N	104.2194W	732	From 1963-07-17 to 1964-08-05
Glenfield	GFW	South Island,New Zealand	41.4567S	173.8310E	230	
Glengowla, Co Galway	IGLA	Ireland	53.4195N	9.3750W	30	
Glenifferbraes	PGBU	Scotland,United Kingdom	55.8115N	4.4837W	199	From 1990-01-01 to 1991-01-01
Glenmaggie	GLMM	Victoria,Australia	37.9020S	146.7990E	160	
Glenmuick	GLE	South Island,New Zealand	42.9000S	173.1500E	75	
Glennies Creek Dam	GLNM	New South Wales,Australia	32.3662S	151.2464E	160	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Glenroy	BGRQ	Queensland,Australia	20.5492S	147.1050E	160	From 1981-02-16
Glenside	GLEN	South Australia,Australia	34.9435S	138.6310E	70	From 2001-08-02
Glenview	GGLM	California,U.S.A.	38.8967N	122.7760W	893	From 1975-04-18
Glhisar (BURDUR)	GLHS	Turkey	37.1560N	29.4983E	1100	From 2005-04-08
Globe	GE-	Arizona,U.S.A.	33.7756N	110.5281W	1475	From 1964-04-09 to 1965-10-04
Globe	GE-AZ	Arizona,U.S.A.	33.7756N	110.5281W	1475	From 1964-04-09 to 1965-10-04
Glory Hole Creek	GHO	Alaska,U.S.A.	61.7722N	148.9240W	1021	From 1984-09-11
Gloucester	GLO	Massachusetts,U.S.A.	42.6403N	70.7272W	15	From 1975-08-01
Gloversville	GLOV	New York,U.S.A.	43.0895N	74.3320W	292	
Glow Worm Lake	GLWN	Northwest Territories,Canada	64.7253N	109.3304W	449	
Glumsstadir	IGLU	Iceland	64.9806N	15.0854W	115	From 2005-11-01
Gnd/Air Tx Cntr	GATR	California,U.S.A.	34.5527N	120.5024W	590	
Gnome	GN-NM	New Mexico,U.S.A.	32.2625N	103.8569W	1036	From 1962-01-08 to 1962-02-15
Gnome	GN-	New Mexico,U.S.A.	32.2625N	103.8569W	1036	From 1962-01-08 to 1962-02-15
Gnosjoe	GNOU	Sweden	57.2900N	13.7560E	280	From 2006-10-09
Goa	GOA	Goa, Daman and Diu,India	15.4917N	73.8247E	58	From 1964-06-06
Go??abunga	IGOD	Iceland	63.6598N	19.3224W	1200	From 2006-09-06
Goat Mountain	VGTM	Oregon,U.S.A.	45.1498N	122.2650W	993	
Goat Mountain	GT2	Oregon,U.S.A.	45.1556N	122.2710W	823	From 1985-09-01
Goat Mountain	GTM	California,U.S.A.	34.2946N	116.3560W	836	
Goat Mountain	GOAT	Alaska,U.S.A.	60.5810N	144.7271W	897	
Gobbelet	GOBY	New York,U.S.A.	41.3294N	73.9219W	150	
Gobu	GOBA	Azerbaijan	40.4010N	49.7330E	183	From 2003-08-01
Godfrey	GOGA	Georgia,U.S.A.	33.4112N	83.4666W	150	From 1993-03-16
Godhavn	GDH	Greenland	69.2500N	53.5333W	23	
Gofitskoye	GOF	Stavropol'skiy Kray,Russia	45.0580N	43.0340E	294	From 1994-03-19
Goheung	KSKOH	South Korea	34.6090N	127.2733E	53	From 2000-02-10
Gokceada-Canakkale	GOKC	Turkey	40.1997N	25.9183E	118	From 2011-03-28
Golan-Tel Qazir	GLH	Israel	32.7140N	35.6500E	330	From 1986-06-26
Gold Coast 1 Soft	GC1S	Queensland,Australia	28.1617S	153.5115E	11	From 2009-01-01
Gold Coast 2 Fill	GC2F	Queensland,Australia	27.9122S	153.3958E	12	From 2009-01-01
Gold Coast Softrock	GC2	Queensland,Australia	28.1364S	153.4539E	60	
Gold Cst Hrdrock	GC1	Queensland,Australia	27.9487S	153.3618E	60	
Golden	GLD	Colorado,U.S.A.	39.7493N	105.2201W	1762	From 1974-01-01
Golden	GNM	New Mexico,U.S.A.	35.2496N	106.1930W	2417	From 1976-01-01
Golden	GOL	Colorado,U.S.A.	39.7003N	105.3711W	2359	From 1961-12-21 to 1999-08-25
Goldendale	F06A	Washington,U.S.A.	45.7664N	120.7817W	577	From 2006-08-26 to 2008-03-28
Goldfield	GF-NV	Nevada,U.S.A.	37.9175N	117.2017W	1707	From 1963-02-08 to 1963-03-29
Goldfield	S09A	Nevada,U.S.A.	37.7243N	117.2246W	1767	From 2006-04-12 to 2008-03-24
Goldfield	GF-	Nevada,U.S.A.	37.9175N	117.2017W	1707	From 1963-02-08 to 1963-03-29
Gold Hill	GHIB	California,U.S.A.	35.8323N	120.3473W	330	
Gold Hill	GHC	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold Hill	PGHM	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold Hill	PK1	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold King Creek	GKC	Alaska,U.S.A.	64.1787N	147.9350W	490	From 1976-07-01
Gold Mountain	GMN	Nevada,U.S.A.	37.3004N	117.2598W	2169	From 1979-07-13
Gold Mountain	GMW	Washington,U.S.A.	47.5479N	122.7860W	506	From 1970-02-27
Gold River	GDR	British Columbia,Canada	49.7810N	126.0320W	100	From 1978-08-04
Gold Rush Inn	AGIM	California,U.S.A.	38.8447N	120.9810W	305	From 1976-01-28
Goldstone	GSC	California,U.S.A.	35.3018N	116.8058W	1000	From 1961-11-07
Goldstream Park	GSTB	British Columbia,Canada	51.6600N	118.6850W	1340	
Goldstream Valley	GSVT	Alaska,U.S.A.	63.3372N	142.9821W	497	
Goldstream Valley	GSV	Alaska,U.S.A.	64.9216N	147.9370W	302	
Golhisar	GOLH	Turkey	37.2369N	29.5611E	1090	From 2005-03-25
Golis@17e	GOLS	Slovenia	46.0108N	15.6245E	559	
Golondrinas	GOLV	Ecuador	0.2082N	79.1370W	404	From 2008-07-25
Golpazari	GPA	Turkey	40.2889N	30.3094E	560	From 1970-07-01
Golpazari	GLP	Turkey	40.2889N	30.3094E	560	From 1970-07-01
Goma	GOM	Congo (Kinshasa)	1.6810S	29.2270E	1470	
Gonabad	GNKF	Iran	34.5000N	58.4000E	0	
Gonen	GET	Turkey	40.1083N	27.5667E	590	From 1978-09-01 to 1984-03-31
Gonen-Balikesir	GONE	Turkey	40.0466N	27.6860E	142	From 2008-06-27
Gongen	GON	Kagoshima,Japan	31.5825N	130.6858E	270	
Gongju	KSKOJ	South Korea	36.4706N	127.1446E	100	From 2006-12-30
Gonzales	VGZ	British Columbia,Canada	48.4139N	123.3240W	68	From 1982-03-23
Goochland	GHV	Virginia,U.S.A.	37.7942N	78.1073W	107	From 1978-10-10
Goodnow Flow	GNF	New York,U.S.A.	43.9152N	74.2302W		From 1983-10-01
Goodsprings	V11A	Nevada,U.S.A.	35.8384N	115.4305W	1117	From 2006-06-16 to 2008-10-14
Goonhilly	CGH1	England,United Kingdom	50.0507N	5.1649W	97	From 1981-01-01
GO Pecny, Ondrejov, Czech Republic	GOPC	Czech Republic	49.9140N	14.7870E	484	From 2009-06-01
Gorafe	GORA	Spain	37.4805N	3.0398W	895	
Gordon	GO-	Nebraska,U.S.A.	42.6328N	102.2739W	1097	From 1962-12-28 to 1963-03-21
Gordon	GO-NB	Nebraska,U.S.A.	42.6328N	102.2739W	1097	From 1962-12-28 to 1963-03-21
Gordon Butte	VGB	Oregon,U.S.A.	45.5157N	120.7780W	729	
Gordon Butte	VGBM	Oregon,U.S.A.	45.5157N	120.7780W	729	
Gorelyy	GRL	Kamchatskaya Oblast',Russia	52.5519N	158.0733E	1250	
Gorenja Brezovica	GBAS	Slovenia	45.9348N	14.4423E	538	
Gori	GOR	Georgia	41.9855N	44.1088E	648	From 1932-01-01
Goris	GRS	Armenia	39.5000N	46.3333E	1399	From 1951-01-01
Gorje	GRJ	Slovenia	46.3833N	14.0833E	600	
Gorjuse	GORS	Slovenia	46.3170N	13.9950E	1086	From 2004-07-01
Gorka Klasztorna	GKP	Poland	53.2697N	17.2367E	115	From 2004-05-28
Gorkha	GKN	Nepal	28.0030N	84.6370E	1478	From 1983-07-01
Gornja Briga	GBRS	Slovenia	45.5311N	14.8101E	610	From 2007-04-05
Gornji Cirnik	GCIS	Slovenia	45.8672N	15.6275E	320	From 2003-08-11
Gornotajezhnoje	GRTR	Primorskiy Kray,Russia	43.7073N	132.1565E	263	From 2006-07-24
Gornyy	GOY	Sakhalinskaya Oblast',Russia	44.9167N	147.5670E		
Gornyy	GRNR	Khabarovskiy Kray,Russia	50.7690N	136.4220E	450	
Goroka	GRK	Papua New Guinea	6.0756S	145.3950E	1579	From 1968-01-25 to 1970-03-12
Goroka	GRK1	Papua New Guinea	6.0700S	145.3940E	1695	
Goroka	GKA	Papua New Guinea	6.0583S	145.3920E	1634	From 1970-03-01 to 1972-11-22
Gorontalo	GTOI	Moluccas,Indonesia	0.6358N	123.0105E	0	From 2005-01-01
Gorron	GRR	Pays de la Loire,France	48.3883N	0.8583W	220	
Gosan	KSGOS	South Korea	33.2938N	126.1628E	71	From 2002-10-29
Gosnell	GNAR	Missouri,U.S.A.	35.9652N	90.0178W	71	
Gosnell High Sch.	GSAR	Missouri,U.S.A.	35.9618N	89.9694W	0	
Goteborg	GOT	Sweden	57.6983N	11.9783E	66	
Goteborg	NE01	Sweden	57.8010N	12.1320E	55	From 1983-02-01 to 1986-01-31
Gotemba	GTN	Shizuoka,Japan	35.3167N	138.9330E		
Gotland	GOTU	Sweden	57.6855N	18.5700E	50	From 2002-03-05
Gotsu	JGT	Shimane,Japan	35.0287N	132.3343E	50	
Gottingen	GTT	Niedersachsen,Germany	51.5464N	9.9642E	272	From 1899-01-01 to 2005-06-17
Gould Hall	GOU	Alaska,U.S.A.	61.1892N	149.8000W	71	From 1994-08-01
Goura	GUR	Greece	37.9363N	22.3423E	1081	From 2006-04-12
Gourbit	GRBF	Midi-Pyrenees,France	42.8413N	1.5367E	878	From 1989-01-01
Govalcot	GOV	Maharashtra,India	17.5400N	73.4883E	1	
Government House	GHSS	South Australia,Australia	34.9194S	138.6017E	42	From 2009-01-01
GOVORA	RMVG	Romania	45.0364N	24.2843E	260	From 2008-03-13
Gowlland Point	GOWB	British Columbia,Canada	48.7369N	123.1848W	29	
Goynuk	GYN	Turkey	40.3533N	30.7264E	1279	From 1991-01-01 to 1993-09-01
Gozaisho	GZS	Mie,Japan	35.0153N	136.4260E	1150	From 1963-10-01 to 1965-12-31
Gozaisho	GOZ	Mie,Japan	35.0153N	136.4260E	1150	From 1963-10-01 to 1965-12-31
Grace West	PGWM	California,U.S.A.	35.1838N	120.6270W	148	
Graciosa	PGRA	Azores,Portugal	39.0293N	27.9813W	245	
GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	IMZ	Azores	39.0423N	28.0055W	284	From 2010-11-09
Graechen Ausblick	SGRA	Valais,Switzerland	46.1936N	7.8356E	1591	From 2010-12-21
Graesoe	GRAU	Sweden	60.3342N	18.5396E	100	From 2001-12-19
Grafenberg	GRFO	Bayern,Germany	49.6909N	11.2203E	384	From 1978-10-01
Grafenberg	GG-GR	Bayern,Germany	49.6922N	11.2153E	525	From 1965-03-02
Grafenberg Ar.	GG-	Bayern,Germany	49.6922N	11.2153E		From 1965-03-02
Grafenberg Ar.	SB-	Bayern,Germany	49.6919N	11.2217E	500	From 1965-03-02
Grafenberg Array	GRA1	Bayern,Germany	49.6919N	11.2217E	500	From 1976-03-01
Grafenberg Array	GRA2	Bayern,Germany	49.6550N	11.3600E	512	From 1976-03-01
Grafenberg Array	GRA3	Bayern,Germany	49.7623N	11.3193E	455	From 1976-03-01
Grafenberg Array	GRA4	Bayern,Germany	49.5655N	11.4359E	503	From 1978-01-01
Grafenberg Array	GRB1	Bayern,Germany	49.3922N	11.6537E	494	From 1978-01-01
Grafenberg Array	GRB2	Bayern,Germany	49.2712N	11.6691E	552	From 1978-01-01
Grafenberg Array	GRB3	Bayern,Germany	49.3439N	11.8065E	517	From 1978-01-01
Grafenberg Array	GRB4	Bayern,Germany	49.4688N	11.5615E	507	From 1978-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Grafenberg Array	GRB5	Bayern,Germany	49.1111N	11.6789E	525	From 1979-01-01
Grafenberg Array	GRC1	Bayern,Germany	48.9960N	11.5220E	512	From 1979-09-01
Grafenberg Array	GRC2	Bayern,Germany	48.8680N	11.3750E	445	
Grafenberg Array	GRC3	Bayern,Germany	48.8904N	11.5851E	438	From 1979-01-01
Grafenberg Array	GRC4	Bayern,Germany	49.0870N	11.5270E	503	
Grafenberg Array	GRF	Bayern,Germany	49.6919N	11.2217E	500	From 1965-03-02
Grafton	GFN	New York,U.S.A.	42.7928N	73.4153W	518	From 1971-10-01 to 1976-07-28
Grahamstown	GRH	Cape Province,South Africa	33.3100S	26.5750E	558	
Grahamstown	GRM	Cape Province,South Africa	33.3133S	26.5083E	610	From 1967-11-03
Graiana	GRAM	Italy	44.4913N	10.0658E	850	From 1999-04-01
Granada	NE14	Spain	37.1900N	3.5950W	774	From 1983-05-01 to 2001-07-28
Granastaoir	IGRA	Iceland	65.9180N	17.5790W	24	From 1993-10-21
Granbergs Dal	GBD	Sweden	59.4570N	14.5540E	150	From 1980-01-01 to 1991-12-31
Grand Ballon	GBF	Alsace,France	47.9027N	7.0990E	1350	
Grand-Bara	GBR	Djibouti	11.1520N	42.4630E	625	From 1981-05-04
Grand Bay	DGBT	Dominica	15.2390N	61.3290W	70	
Grand Be	GBMF	Martinique	14.7973N	61.1648W	800	
Grand Canyon	GCAZ	Arizona,U.S.A.	36.0440N	112.1280W	2294	From 1987-01-01
Grand Canyon West Ranch, Meadview	V13A	Arizona,U.S.A.	35.8522N	113.9840W	1402	From 2007-03-10 to 2008-10-17
Grand Cayman	GCM	Cayman Islands	19.2890N	81.3810W	5	From 1984-11-01 to 2000-12-31
Grand Coulee	GCW	Washington,U.S.A.	47.9414N	118.9800W	462	
Grande Dixence	DIX	Switzerland	46.0801N	7.4082E	2410	From 1999-01-19
Grande-Etoile	GELF	Provence-Cote d'Azur,France	43.3836N	5.4275E	550	
Grandfather Mountain	GFM	North Carolina,U.S.A.	36.1110N	81.8070W	1726	From 1982-05-27
Grand Junction	GJC	Colorado,U.S.A.	39.0906N	108.5269W	1445	
Grand'Maison	GDM	Rhone-Alpes,France	45.2038N	6.1163E	1574	
Grand Rapids	GP-MN	Minnesota,U.S.A.	47.6644N	93.4894W	427	From 1964-09-02 to 1964-12-01
Grand Rapids	GP-	Minnesota,U.S.A.	47.6644N	93.4894W	427	From 1964-09-02 to 1964-12-01
Grand Remous	GRQ	Quebec,Canada	46.6067N	75.8600W	290	
Grand Saline	GA3TX	Texas,U.S.A.	32.6597N	95.7036W	-94	
Grand Saline	GA-TX	Texas,U.S.A.	32.6569N	95.7044W	-86	
Grand Saline	GA2TX	Texas,U.S.A.	32.6581N	95.7036W	119	
Grand Targhee Resort	TARW	Wyoming,U.S.A.	43.7638N	110.9910W	2091	From 1986-01-01
Grand Turk	GRTK	Turks and Caicos Islands	21.5115N	71.1327W	12	
Grandview Point	GRAI	Idaho,U.S.A.	43.8093N	111.3360W	2231	
Grand Wintersberg	GWF	Alsace,France	48.9775N	7.6219E	580	From 1980-07-01
Grange	GNG	Trinidad and Tobago	11.1770N	60.7980W	36	
Granges-Gontardes	GGF	Rhone-Alpes,France	44.3667N	4.7667E	110	
Grangeville	F11A	Idaho,U.S.A.	45.8883N	116.1549W	1186	From 2006-11-04 to 2008-07-15
Granite Bay	GBY	Alaska,U.S.A.	60.4322N	147.9780W	495	From 1985-07-12
Granite Butte	GBM	Montana,U.S.A.	46.8593N	112.4560W	2237	From 1974-10-09 to 1976-10-04
Granite Creek	YUK5	Yukon Territory,Canada	61.1315N	137.8593W	1619	From 2010-08-23
Granite Creek	GCC	California,U.S.A.	37.0300N	121.9970W	122	From 1965-01-01
Granite Creek	GRNC	Alaska,U.S.A.	60.7319N	141.7538W	2116	
Granite Mountain	GMA	Alaska,U.S.A.	65.4287N	161.2320W	860	From 1970-09-17 to 1978-03-25
Granite Mountain	GMU	Utah,U.S.A.	40.5755N	111.7630W	1829	From 1970-08-01
Granite Mountains Res. Center	GMRC	California,U.S.A.	34.7800N	115.6600W	1326	From 2006-05-03
Granite Pass	GRP	California,U.S.A.	34.8043N	115.6050W	1238	
Granite Peak	LGPM	California,U.S.A.	40.9125N	122.8290W	1290	From 1982-10-01
Graniteville	GVS	South Carolina,U.S.A.	33.5970N	81.8528W	100	From 1974-05-20 to 1976-08-09
Gran Sasso	GIGS	Italy	42.4500N	13.5690E	1000	From 2003-02-24
Grant Creek	GRCI	Idaho,U.S.A.	43.9667N	113.9890W	2341	From 1983-11-01
Grantsville	GS-MD	Maryland,U.S.A.	39.6189N	79.1833W	762	
Grantsville	GS-	Maryland,U.S.A.	39.6189N	79.1833W	762	
Grant Village	YPGV	Wyoming,U.S.A.	44.3808N	110.5453W	2430	
Grant Village	H17A	Wyoming,U.S.A.	44.3951N	110.5762W	2400	From 2007-10-03
Grapevine	GV-	Texas,U.S.A.	32.8858N	96.9983W	152	From 1962-06-02 to 1965-12-31
Grapevine	GV-TX	Texas,U.S.A.	32.8858N	96.9983W	152	From 1962-06-02 to 1965-12-31
Grapevine	GVN	California,U.S.A.	36.9999N	117.3435W	844	From 1978-11-28
Grapevine Ranger Station, Death Valley	GRAC	California,U.S.A.	37.0000N	117.3700W	689	From 2004-04-01
Grass Mountain	GSM	Washington,U.S.A.	47.2032N	121.7940W	1305	From 1970-06-11
Grass Mountain	VGMM	Oregon,U.S.A.	43.5923N	122.5460W	1561	
Grassy Mountain	GMG	Georgia,U.S.A.	34.8627N	84.6703W	1097	From 1985-11-01
Gratio	GRT	Tennessee,U.S.A.	36.2640N	89.4250W	137	
Graus	EGRA	Spain	42.1952N	0.3160E	706	From 1990-12-12
Grayback Hills BLM, Clive	N14A	Utah,U.S.A.	40.8513N	113.1867W	1325	From 2007-02-20 to 2008-08-20
Gray Butte	LGBM	California,U.S.A.	41.3452N	122.1940W	2304	
Gray Hill	HGH	England,United Kingdom	51.6380N	2.8064W	210	From 1980-01-01
Grayling	GRLA	Alaska,U.S.A.	62.9063N	160.0626W	31	
Grayling	GLMI	Michigan,U.S.A.	44.8245N	84.6174W	387	
Grayling Creek	GCR	Montana,U.S.A.	44.7962N	111.1060W	2075	From 1973-01-01
Grays Lake	GRRI	Idaho,U.S.A.	42.9380N	111.4220W	2207	
Graz	GRA	Austria	47.0767N	15.4483E	369	
Gr delle femmine	EGFM	Sicily,Italy	37.8197N	15.0210E	1700	From 1994-10-01
Great Barrier	GBZ	North Island,New Zealand	36.2178S	175.4810E	70	From 1967-10-01 to 1990-05-20
Great Barrier Island	GRZ	North Island,New Zealand	36.2502S	175.4578E	146	From 2010-05-13
Great Rift	GTRI	Idaho,U.S.A.	43.2440N	113.2410W	1547	From 1992-01-01
Great Sand Dunes National Park	SDCO	Washington,U.S.A.	37.7456N	105.5012W	2569	
Great Sitkin	AD1	Alaska,U.S.A.	52.0233N	176.1520W	244	From 1974-01-01 to 1992-02-01
Great Sitkin Cape Kiugilak	GSCK	Alaska,U.S.A.	52.0119N	176.1620W	384	
Great Sitkin Middle Yoke	GSMY	Alaska,U.S.A.	52.0432N	176.0563W	418	
Great Sitkin Saddle Point	GSSP	Alaska,U.S.A.	52.0928N	176.1757W	295	
Great Sitkin Teapot Rock	GSTR	Alaska,U.S.A.	52.0943N	176.0591W	536	
Great Sitkin Triple Divide	GSTD	Alaska,U.S.A.	52.0559N	176.1447W	873	
Great Whale R.	GWR	Quebec,Canada	55.2767N	77.7433W	20	From 1972-09-14
Great Whale River	GWC	Quebec,Canada	55.2917N	77.7533W	8	From 1965-09-27 to 1972-09-01
Greaves Creek	GRVM	New South Wales,Australia	33.6618S	150.3091E	980	
Greenback	GRBT	Tennessee,U.S.A.	35.6740N	84.1970W	329	
Greenback	GBTN	Tennessee,U.S.A.	35.6660N	84.2110W	326	From 1983-03-23 to 2006-07-06
Green Bank	GBV	West Virginia,U.S.A.	38.4300N	79.8438W	826	From 1976-11-15
Greenbrier Site X102	X102	Arkansas,U.S.A.	35.3798N	92.3115W	206	
Greenbrier Site X201	X201	Arkansas,U.S.A.	35.2927N	92.3623W	207	
Greenbrier Site X301	X301	Arkansas,U.S.A.	35.2386N	92.4002W	112	
Greenbush Farm, Park River	B31A	North Dakota,U.S.A.	48.4236N	97.6495W	279	From 2010-08-12
Green Hill Farm, Brenham	537A	Texas,U.S.A.	30.0799N	96.3155W	92	From 2010-01-31
Green Lake	GLKZ	Kermadec Islands,New Zealand	29.2620S	177.9203W	30	From 2009-06-01
Green Mountain	GNW	Washington,U.S.A.	47.5644N	122.8253W	165	
Green Oak Ranch	GORC	California,U.S.A.	33.1537N	117.2292W	138	
Greenough	D14A	Montana,U.S.A.	47.0816N	113.5062W	1444	From 2006-10-04 to 2009-07-16
Green Peter	VGPM	Oregon,U.S.A.	44.4833N	122.5820W	1212	
Greenpond	GPD	New Jersey,U.S.A.	41.0177N	74.4608W	360	
Green River Community College BBO	GRCC	Washington,U.S.A.	47.3116N	122.1807W	130	From 2004-09-01
Greensboro	GBG	Georgia,U.S.A.	33.4985N	83.2112W	173	From 1978-02-01
Greensboro	GBNC	North Carolina,U.S.A.	36.0678N	79.7450W	236	
Green Top	GTTN	Tennessee,U.S.A.	35.8120N	83.6670W	917	
Greenvale	GVL	Victoria,Australia	37.6186S	144.9006E	187	From 1976-01-01 to 2009-09-03
Green Valley	217A	Arizona,U.S.A.	31.7748N	110.8162W	1412	From 2007-03-03 to 2008-12-06
Green Valley Road	GVR	California,U.S.A.	38.2807N	122.2150W	257	From 1971-04-30
Green Verdugo site,Sunland	DECC	California,U.S.A.	34.2500N	118.3300W	519	From 2004-04-01
Greenville	GRV	Missouri,U.S.A.	37.0533N	90.3950W	168	From 1964-01-01 to 1974-12-31
Greenville	GH-MS	Mississippi,U.S.A.	33.3292N	91.0353W	30	
Greenwater Valley	GWV	California,U.S.A.	36.1867N	116.6710W	1540	From 1978-07-24 to 1988-02-16
Greenwater Valley	GWY	California,U.S.A.	36.1860N	116.6689W	1556	From 1988-04-01
Greenwich	GWJ	Jamaica	18.0740N	76.7280W	1200	
Greenwood	GWDE	Delaware,U.S.A.	38.8256N	75.6171W	19	From 1995-08-29 to 2001-06-29
Gregorio Matese	SGG	Italy	41.3867N	14.3788E	880	From 1977-01-01
Grenada	GRE	Grenada	12.0470N	61.7460W	15	From 1952-12-21
Grenada	LGRM	California,U.S.A.	41.6392N	122.4805W	780	
Grenoble	GRN	Rhone-Alpes,France	45.2425N	5.7452E	1040	From 1980-02-01
Grenoble	GRN*	Rhone-Alpes,France	45.1833N	5.7000E	244	
Grenville	GRGR	Caribbean Sea	12.1324N	61.6540W	195	
Gresham	PGO	Oregon,U.S.A.	45.4667N	122.4530W	237	From 1982-06-01
Gresik	GRJI	Jawa,Indonesia	6.9145S	112.4793E	0	From 2007-12-01
Gretna	GAN	Nebraska,U.S.A.	41.0214N	96.2469W	335	From 1977-12-13 to 1979-10-30
Greybull	H20A	Wyoming,U.S.A.	44.4868N	107.9990W	1236	From 2008-07-26
Greycliff	GCMT	Montana,U.S.A.	45.7912N	109.6672W	1530	
Greymouth	GRY	South Island,New Zealand	42.4167S	171.2170E	4	From 1932-11-01 to 1942-10-31
Griffith Obs. 2	GR2C	California,U.S.A.	34.1182N	118.3003W	342	
Griffith Observatory	GOC	California,U.S.A.	34.1130N	118.3020W	347	From 1965-06-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Griffith Park	GFP	California,U.S.A.	34.1293N	118.3100W		From 1975-04-01
Grimsey	IGRI	Iceland	66.5420N	18.0100W	36	From 1994-01-21
Grimsfjall	IGRF	Iceland	64.4070N	17.2670W	1710	From 2001-05-08
Grimsstaoir	IGRS	Iceland	65.6380N	16.1240W	378	From 1996-02-15
Grindav??k	IGRV	Iceland	63.8572N	22.4558W	52	From 1997-03-03
Grindle Hills	GRIN	Alaska,U.S.A.	60.2810N	143.3190W	625	
Grindstone Mountain	GROR	Oregon,U.S.A.	45.3513N	123.6620W	945	From 1986-05-01
Grise Fiord	GFNU	Nunavut,Canada	76.4180N	82.8998W	12	
Grit	GRI*	Texas,U.S.A.	30.7778N	99.3842W	518	From 1967-05-19 to 1967-05-23
Grit	GR1TX	Texas,U.S.A.	30.7778N	99.3842W	518	From 1967-05-19 to 1967-05-23
Grit	GR2	Texas,U.S.A.	30.7864N	99.4161W	549	From 1967-05-19 to 1967-05-23
Grit	GR2TX	Texas,U.S.A.	30.7864N	99.4161W	549	From 1967-05-19 to 1967-05-23
Griva	GRG	Greece	40.9567N	22.4014E	560	From 1981-01-01
Grizzlie Mountain	GMO	Oregon,U.S.A.	44.4391N	120.9560W	1689	
Grizzly Bear Lake	GBLN	Northwest Territories,Canada	64.1995N	112.9935W	392	
Grizzly Peak	GZU	Utah,U.S.A.	41.4255N	111.9750W	2646	
Grjothals	IGHA	Iceland	65.8435N	16.6629W	396	From 2009-09-30
Grjothals	IGHS	Iceland	65.8578N	16.6272W	405	From 2008-03-19
Grobnik	GROS	Slovenia	46.4610N	15.5018E	930	
Groom Lake Road	GLR	Nevada,U.S.A.	37.1994N	116.0175W	1446	From 1975-11-20 to 2002-10-10
Groom Range	GMR	Nevada,U.S.A.	37.3338N	115.7725W	1580	From 1979-01-23 to 2002-10-10
Grossbuechelberg	MGBB	Bayern,Germany	49.9720N	12.2150E	650	From 2001-03-12
Grosses Roches	GSQ	Quebec,Canada	48.9100N	67.1100W	398	From 1981-10-28
Grosshau	GSH	Nordrhein-Westfalen,Germany	50.7357N	6.3796E	367	From 1981-01-01
Grossmontoni	MOSI	Italy	46.6164N	10.5495E	1957	From 2006-12-13
Grota Negra	GRON	Azores,Portugal	37.7680N	25.5333W	577	From 2006-08-10
Ground Zero	GZN	Nevada,U.S.A.	37.2360N	116.5160W		From 1965-01-01 to 1970-12-31
Ground Zero	ZOX	Nevada,U.S.A.	37.2360N	116.5160W		From 1965-01-01 to 1970-12-31
Grouse Hill	LGHM	California,U.S.A.	41.6115N	121.6210W	2146	
Grouse Mountain	KGMM	California,U.S.A.	40.7588N	123.6740W	1615	
Grover	N25A	Colorado,U.S.A.	40.8132N	104.0873W	1607	From 2008-07-02
Grover	GRX	Nevada,U.S.A.	39.6355N	117.9890W	1390	From 1980-01-01
Groznyy	GRO	Chechnya,Russia	43.3200N	45.7500E	123	
Groznyy	GROC	Russia	43.2027N	45.7961E	198	From 2008-04-15
Grundy	GD-VA	Virginia,U.S.A.	37.3928N	81.9778W	366	From 1962-07-21 to 1962-10-05
Grundy	GD-	Virginia,U.S.A.	37.3928N	81.9778W	366	From 1962-07-21 to 1962-10-05
Gruta Xavier	XAVN	Nicaragua	12.1487N	86.3263W	160	
Gruza	GRUS	Serbia	43.8886N	20.7153E	273	From 2002-05-01
Gryon	GRYON	Switzerland	46.2505N	7.1111E	1300	From 2002-10-10
G??ttrup	GOET	Denmark	57.0350N	9.2250E	5	From 1977-01-01 to 1989-12-31
Guacamaya	GUAC	Venezuela	10.1920N	67.2711W	1359	From 1987-06-01
Guadalajara	GUM	Jalisco,Mexico	20.6794N	103.3242W	1567	
Guadalajara 2	GUM2	Jalisco,Mexico	20.6667N	103.3000W	1543	
Guadaloupe-1	LZG	Guadeloupe,Guadeloupe	16.1408N	61.7755W	116	From 1997-01-01
Guadaloupe-2	PHG	Guadeloupe,Guadeloupe	16.0146N	61.6426W	981	From 2004-03-30
Guadaloupe-3	TBG	Guadeloupe,Guadeloupe	15.8522N	61.6455W	78	From 2004-11-26
Guadalupe	PT03	Peru	13.9917S	75.7967W	400	
Guadalupe Mountain	GDL2	New Mexico,U.S.A.	32.2003N	104.3640W	1213	
Guadarrama	GUD	Spain	40.6430N	4.1540W	1393	From 1979-07-01
Guajares	EGUA	Spain	36.8337N	3.5654W	386	From 1991-01-10
Gualala	GGUM	California,U.S.A.	38.8565N	123.4980W	661	
Gualdo di Macerata	GUMA	Italy	43.0627N	13.9352E	574	From 2007-10-18
Guallil	GUAL	Ecuador	3.0718S	78.8142W	3265	From 1994-07-21
Guam	GUA	Mariana Islands	13.5397N	144.9141E	287	From 1963-04-01
Guam	GUAM	Mariana Islands	13.4717N	144.7483E		From 1914-01-01 to 1944-12-31
Guam	GUMO	Mariana Islands	13.5891N	144.8686E	99	From 1975-08-01
Guam	GUAMO	Missouri,U.S.A.	36.8892N	89.8390W	172	
GUANDACOL	AGUA	La Rioja	29.4866S	68.4918W	1144	From 1996-09-26
Guangzhou	GZH	Guangdong,China	23.0869N	113.3440E	11	
Guangzhou	CNT	Guangdong,China	23.0869N	113.3440E	11	
Guanica, Bosque Seco, PR	GBPR	Puerto Rico	17.9751N	66.8792W	15	From 2006-09-21
Guanoco	GUNV	Venezuela	10.1616N	62.9426W	60	
Guantanamo	GM-	Cuba	19.9669N	75.0872W	16	From 1963-11-19 to 1964-03-03
Guantanamo	GM-CU	Cuba	19.9669N	75.0872W	16	From 1963-11-19 to 1964-03-03
Guantanamo	GTMO	Cuba	20.0800N	75.1400W	0	
Guantanamo Bay	GBC	Cuba	19.9000N	75.1500W		
Guantanamo Bay	GTBY	Caribbean Sea,U.S.A.	19.9268N	75.1108W	79	
Guarapari	CAM3	Espirito Santo,Brazil	20.7288S	40.5222W	27	
Guarcino	GUAR	Italy	41.7945N	13.3123E	741	From 2003-05-29
Guardamar (Alicante)	EXGUA	Spain	38.0960N	0.6570W	20	From 2009-09-01
Guardaparques de Rinc‘‡n de la Vieja	GPS1	Costa Rica	10.7748N	85.3497W	846	From 2000-01-01
Guatemala Basin O.B.S. 2	GB02	Guatemala Basin,North Pacific Ocean	6.5569N	93.5519W	-3580	From 1979-05-01
Guatemala Basin O.B.S. 3	GB03	Guatemala Basin,North Pacific Ocean	7.8381N	94.3869W	-3730	From 1979-05-01
Guatemala Basin O.B.S. 4	GB04	Guatemala Basin,North Pacific Ocean	12.7400N	91.0161W	-5260	From 1979-06-01
Guatemala Basin O.B.S. 5	GB05	Guatemala Basin,North Pacific Ocean	12.6519N	90.9489W	-6010	From 1979-05-01
Guatemala Basin O.B.S. 6	GB06	Guatemala Basin,North Pacific Ocean	12.6939N	90.8519W	-5260	From 1979-06-01
Guatemala Basin O.B.S. 7	GB07	Guatemala Basin,North Pacific Ocean	12.7911N	90.9119W	-4460	From 1979-06-01
Guatemala Basin O.B.S. 8	GB08	Guatemala Basin,North Pacific Ocean	12.7169N	90.9369W	-5465	From 1979-05-01
Guatemala City	GCG	Guatemala	14.5862N	90.5328W	1502	From 1925-01-01
Guatemala OBS 1	GB01	Guatemala Basin,North Pacific Ocean	3.9981N	91.9981W	-2893	From 1979-05-01
Guayabo de Bagaces	GUAB	Costa Rica	10.7075N	85.2292W	584	From 2000-01-01
Guayacanes	GUAY	Dominican Republic	18.4400N	69.4333W	0	
Guaymas	GYM	Sonora,Mexico	27.9100N	110.9520W	15	
Guba	GUB	Congo (Kinshasa)	10.6667S	26.4333E		
Gudauri	GUDA	Georgia	42.2752N	44.2837E	2011	From 2007-11-13
Gudauri	GUDG	Georgia	42.4646N	44.4772E	2012	From 2007-11-13
Guelma	CGUE	Algeria	36.4500N	7.4100E	336	
Guelma	CGMA	Algeria	36.4500N	7.4100E	336	
Guerrero	LLJ	Guerrero,Mexico	16.5642N	98.8847W		
Guerrero	CGG	Guerrero,Mexico	16.6750N	98.4575W	400	
Guia Canaria	GGC	Canary Islands,Spain	28.1197N	15.6367W	560	From 1984-11-01
Guildford	GILD	England,United Kingdom	51.2500N	0.5833W		
Guimar	GUI	Canary Islands,Spain	28.3208N	16.4405W	868	
Guinayangan	GQP	Philippines	13.9050N	122.4460E	50	
Guiria	GUIV	Venezuela	10.6470N	62.2230W	50	
Guiyang	GYA	Guizhou,China	26.4586N	106.6640E	1162	
Guiyang	KWA	Guizhou,China	26.4586N	106.6640E	1162	
Guiyang	HXI	Guizhou,China	26.4586N	106.6640E	1162	
Gukeng	WGK	Taiwan region	23.6860N	120.5620E	75	
Gulagac	GULA	Turkey	38.3443N	34.2360E	1128	From 2010-06-30
Gulek	GULE	Turkey	37.2837N	34.7765E	1625	From 2006-12-01
Guler Mountain	GULW	Washington,U.S.A.	45.9242N	121.5960W	1189	From 1986-07-31
Gulkana	GUL	Alaska,U.S.A.	62.2206N	145.4514W	600	From 1964-04-11 to 1964-05-07
Gulpinar-Canakkale	GPNR	Turkey	39.4560N	26.1332E	52	From 2011-03-26
Gulveren	GULT	Turkey	40.4323N	30.5150E	930	From 1993-01-01
Gumba	GUN	Nepal	27.9106N	85.8794E	2900	From 1985-03-01
Gum-Bashi	GUMR	Stavropol'skiy Kray,Russia	43.7756N	42.2472E	2312	
GUMI	KSGUM	South Korea	36.2347N	128.2902E	48	From 2006-12-30
Gumukmas	GMJI	Jawa,Indonesia	8.2732S	113.4441E	0	From 2007-12-01
Gumushane	GUMT	Turkey	40.4600N	39.4800E	1326	
Gundaroo	GUND	New South Wales,Australia	35.0318S	149.2679E	600	From 2007-08-01
Gundogdu	GDDT	Turkey	40.3397N	29.0213E	575	From 1994-01-01
Guneyli	GNYT	Turkey	40.5638N	29.2795E	585	From 1994-01-01
Gungliau Township	TNGL	Taiwan region	25.0430N	121.9230E	12	From 2002-11-06
Gun Hill	BBGH	Caribbean Sea	13.1434N	59.5588W	180	
Gunib	GNBR	Dagestan,Russia	42.3889N	46.9639E	800	
Gunnerudssatern	GNN	Sweden	60.1336N	13.6956E	265	From 1969-01-01 to 1991-12-31
Gunsan	KSKUS	South Korea	36.0168N	126.8336E	58	From 2000-02-05
GUNSAN	KSGUS	South Korea	36.0371N	126.7819E	33	From 2006-12-30
Gun Site Peak	GSUT	Utah,U.S.A.	41.9063N	112.1210W	1783	From 1979-10-01 to 1980-07-31
Gunungsitoli	GSI	Nias,Indonesia	1.3039N	97.5755E	107	From 2005-09-30
Gunung Srandil	SCJI	Jawa	7.6810S	109.1689E	45	
Gunzen	GUNZ	Sachsen,Germany	50.3635N	12.3316E	669	From 2000-12-16
Gura Zlata	GZR	Romania	45.3933N	22.7767E	850	From 1977-04-01
Guri	GUV	Venezuela	7.8086N	63.0974W	130	
Guri Network	GUV5	Venezuela	7.8944N	63.2120W	410	
Guri Network	GUV3	Venezuela	7.6009N	62.7614W	440	
Guri Network	GUV4	Venezuela	7.6083N	63.1017W	410	
Guri Network	GUV1	Venezuela	7.9478N	62.8554W	410	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Guri Network	GUV2	Venezuela	7.7816N	62.8176W	650	
Gurin_S¨VAS	CUGUR	Turkey	38.7237N	37.2719E	1401	From 2010-07-08
Gusciola	GSCL	Italy	44.3506N	10.5878E	665	
Gusukube	JOGS	Ryukyu Islands,Japan	24.7600N	125.4063E	60	
Gutenstein	GUT	Baden-Wurttemberg,Germany	48.0709N	9.1153E	647	From 1997-10-14
Guthrie	V34A	Oklahoma,U.S.A.	35.8345N	97.5176W	329	From 2009-10-31
Gut Margarthenhoehe	BD04	Nordrhein-Westfalen,Germany	50.9151N	6.5986E	80	From 2001-01-01
Guttu	GTU	Himachal Pradesh,India	30.5269N	78.7477E	1880	From 2007-05-01
Guwahati	GWH	Assam,India	26.1500N	91.7300E		From 1982-12-01
Guyot Hills	GYO	Alaska,U.S.A.	60.1463N	141.4710W	183	From 1976-06-01
Guysborough	GBN	Nova Scotia,Canada	45.4078N	61.5128W	38	From 1983-05-03
Guzelce-Avcilar-Istanbul	SBT2	Turkey	40.8786N	28.5142E	-810	From 2010-11-03
Gvkgeada	GADA	Turkey	40.1909N	25.8986E	130	From 2006-07-06
Gvttingen	GTTG	Germany	51.5451N	9.9647E	279	From 2006-01-18
Gwangju	KSKWJ	South Korea	35.1599N	126.9910E	213	From 2000-12-13
Gwangju-acc	KSGWJ	South Korea	35.1731N	126.8915E	0	From 2007-01-01
Gweek	CGW	England,United Kingdom	50.1006N	5.2228W	9	From 1993-01-01
Gygjarholskot	IGYG	Iceland	64.2810N	20.2150W	119	From 1989-12-10
Gyogryolbido	KSGBI	South Korea	36.6250N	125.5590E	112	From 2007-12-12
Gyula	GYL	Hungary	46.5981N	21.1718E	92	
Gyumri	GMRZ	Armenia	40.8100N	43.8310E	1560	From 1945-01-01
Gyumri	GYMZ	Krasnodarskiy Kray,Russia	40.8100N	43.8310E	1560	
Gyzyletrek	GZLA	Turkmenistan	37.6750N	54.7650E	55	
G?zelcaml?	GCAM	Turkey	37.7002N	27.2335E	38	From 2007-05-22
HAARP	HARP	Alaska,U.S.A.	62.4076N	145.1550W	600	
Haboro	HAB	Rumoi,Japan	44.3833N	141.7000E		
Hachijo jima	HJJ	Bonin Islands,Japan	33.1017N	139.7880E	80	
Hachijo jima 2	JHJ	Bonin Islands,Japan	33.1192N	139.7833E	153	
Hachijojimakashitate	JHCJ	Bonin Islands,Japan	33.0723N	139.7977E	170	From 2009-03-01
Hachinohe	HAC	Aomori,Japan	40.5250N	141.5270E	28	
Hachinohe 2	HACJ	Aomori,Japan	40.3972N	141.5460E	230	From 1991-03-08
Hacho	HACH	Spain	37.1890N	4.1218W	1025	
Hacienda Drive	AHDM	California,U.S.A.	39.0483N	121.0765W	483	
Hadbat Hakran	HKNS	Saudi Arabia	22.6420N	41.7158E		
Haddam	HDM	Connecticut,U.S.A.	41.4858N	72.5232W	24	From 1974-12-23 to 1999-01-31
Hadim	HDMB	Turkey	36.9640N	32.4860E	1946	From 2003-11-05
Hadley Quad	HAKY	Kentucky,U.S.A.	37.1057N	86.5849W	169	From 1987-06-26
HADONG	KSHAD	South Korea	35.0797N	127.7696E	60	From 2006-12-30
Hadrut	HDR	Armenia	39.5220N	47.0310E	800	From 1998-01-01
Haenam	KSHAN	South Korea	34.5727N	126.5693E	13	From 2001-09-08
Haflong	HLGA	Assam,India	25.1600N	93.0167E	662	From 1984-08-01
Hagersville	HGVO	Ontario,Canada	42.9607N	80.1264W	224	
Hagfors	HFS	Sweden	60.1335N	13.6945E	296	From 1969-01-01
Hagfors Array Site A1	HFSA1	Sweden	60.1383N	13.6955E	240	
Hagfors Array Site B1	HFSB1	Sweden	60.1382N	13.7011E	225	
Hagfors Array Site B2	HFSB2	Sweden	60.1431N	13.6988E	230	
Hagfors Array Site B3	HFSB3	Sweden	60.1433N	13.6884E	240	
Hagfors Array Site B4	HFSB4	Sweden	60.1384N	13.6860E	235	
Hagfors Array Site B5	HFSB5	Sweden	60.1351N	13.6935E	240	
Hagfors Array Site C1	HFSC1	Sweden	60.1344N	13.6968E	265	
Hagfors Array Site C2	HFSC2	Sweden	60.1335N	13.6973E	260	
Hagfors New Array Site A0	HFA0	Sweden	60.1420N	13.6850E	274	
Hagfors New Array Site A1	HFA1	Sweden	60.1444N	13.6846E	294	
Hagfors New Array Site A2	HFA2	Sweden	60.1406N	13.6806E	301	
Hagfors New Array Site A3	HFA3	Sweden	60.1405N	13.6896E	265	
Hagfors New Array Site B1	HFB1	Sweden	60.1482N	13.6824E	323	
Hagfors New Array Site B2	HFB2	Sweden	60.1421N	13.6729E	341	
Hagfors New Array Site B3	HFB3	Sweden	60.1370N	13.6820E	271	
Hagfors New Array Site B4	HFB4	Sweden	60.1384N	13.6943E	266	
Hagfors New Array Site B5	HFB5	Sweden	60.1467N	13.6964E	253	
Hagfors New Array Site C2	HFC2	Sweden	60.1335N	13.6945E	296	
Ha Giang	HGVB	Vietnam	22.8358N	104.9923E	119	From 2008-01-01
Hagoal	HHAG	Egypt	29.9530N	32.0990E	477	
Hagol	HAGS	Egypt	24.3794N	34.9866E	293	
Hague Volcano	HAG	Alaska,U.S.A.	55.3171N	161.9042W	503	From 1996-07-01
Haha-jima-NKT	JHHJ	Bonin Islands,Japan	26.6297N	142.1780E	110	
Hahryggur	HAH	Iceland	64.1185N	21.2828W		
Haibara	HBR	Nara,Japan	34.5028N	135.9930E	390	
Haid-Arzberg	MHAI	Bayern,Germany	50.0225N	12.1762E	550	From 2001-03-13
Haifa	HAF	Israel	32.7790N	35.0240E	179	
Ha'il	HILS	Saudi Arabia	27.3835N	41.7917E	1080	
Hailar	HIA	Nei Monggol Zizhiqu,China	49.2667N	119.7420E	610	From 1987-03-01
Hailey	HL2ID	Idaho,U.S.A.	43.5618N	114.4149W	1784	
Hailey	HL-	Idaho,U.S.A.	43.6472N	114.2506W	1890	From 1961-10-14 to 1964-03-07
Hailey	HL-ID	Idaho,U.S.A.	43.6472N	114.2506W	1890	From 1961-10-14 to 1964-03-07
Hailey	HLID	Idaho,U.S.A.	43.5625N	114.4138W	1772	
Hailey	HL2	Idaho,U.S.A.	43.5618N	114.4149W		From 1964-03-01 to 1967-12-31
Haileybury School of Mines	HSMO	Ontario,Canada	47.3708N	79.6657W	306	From 2005-07-20
Hailstone	HLJ	Utah,U.S.A.	40.6103N	111.4000W	1926	From 1992-10-22
Haines Junction	HYT	Yukon Territory,Canada	60.8250N	137.5040W	1416	
Haiwee	HAI	California,U.S.A.	36.1367N	117.9470W	1150	From 1929-09-11 to 1965-10-27
Haiwee Spring South	HWSM	California,U.S.A.	36.1050N	117.7610W	1436	From 1975-09-26
Haiwe Spring S	WHSM	California,U.S.A.	36.1050N	117.7610W	1436	From 1975-09-26
Hajjah	HAJJ	Yemen	15.6990N	43.5990E	1650	From 1994-11-01
Hakkari	HKR	Turkey	37.5780N	43.7408E	1750	From 2004-06-18
HAKKARI	HAKT	Turkey	37.5579N	43.7071E	2153	From 2005-07-04
Hakodate	HAK	O shima,Japan	41.8150N	140.7583E	35	
Hakodate 2	HAKJ	O shima,Japan	41.8333N	140.7783E	80	From 1992-02-25
Hakui	JJH	Ishikawa,Japan	36.9250N	136.7817E	35	
Halaksitan	HLD	Djibouti	11.5965N	42.4323E	-75	From 1979-09-23
Halanga-Turnu Severin	RMGR	Romania	44.6627N	22.6922E	113	From 2008-08-29
Haldarsvik	FHV	Faeroe Islands	62.2597N	7.0984W		
Haleakala	HKL	Hawaii,U.S.A.	20.7106N	156.2590W	3051	From 1975-01-01
Haleakala	HLK	Hawaii,U.S.A.	20.7583N	156.2479W	2132	From 1958-09-01
Hale Pohaku	HPU	Hawaii,U.S.A.	19.7808N	155.4580W	3396	From 1969-08-18
Halifax	HAL	Nova Scotia,Canada	44.6377N	63.5920W	64	From 1915-01-01
Halim	HALM	Morocco	31.7680N	9.4700W	0	
Hallabat	HLBJ	Jordan	32.0775N	36.3025E	827	From 1987-01-01
Halle	HLE	Sachsen-Anhalt,Germany	51.4979N	11.9569E	92	
Hallett	HTT	South Australia,Australia	33.4306S	138.9220E	708	From 1962-06-01
Halley Bay	HBA	Coats Land	75.5167S	26.6000W		
Hall Mountain, Copeland	A11A	Idaho,U.S.A.	48.9580N	116.3631W	1455	From 2006-10-10 to 2008-06-12
Halls	HALT	Tennessee,U.S.A.	35.9106N	89.3395W	85	
Hall's Lagoon	HLA	New South Wales,Australia	33.5226S	150.9160E	27	
Hallstavik	HVK	Sweden	60.0090N	18.5660E	20	From 1980-01-01 to 1991-12-31
Haltingen (BS)	HALTI	Switzerland	47.6069N	7.5933E	-295	From 2006-10-01
Hamada	HMD	Shimane,Japan	34.8933N	132.0730E	21	
Hamaker Mountain	HAMO	Oregon,U.S.A.	42.0690N	121.9710W	1999	From 1993-10-06
Hamakita	JHMK	Shizuoka,Japan	34.8162N	137.7587E	-700	From 2002-01-01
Hamamatsu	HMM	Shizuoka,Japan	34.7067N	137.7233E	33	
Hamamatsu 2	HMMJ	Shizuoka,Japan	34.8558N	137.7215E	150	From 1989-03-25
Hambach	BD05	Nordrhein-Westfalen,Germany	50.9366N	6.4832E	90	From 2001-01-01
Hambach Funkstation	BD08	Nordrhein-Westfalen,Germany	50.8842N	6.5017E	114	From 2001-01-01
Hamburg	HAM	Hamburg,Germany	53.4651N	9.9248E	30	From 1905-01-01
Hamburg	HMB	New York,U.S.A.	42.6545N	78.8525W	290	From 1971-09-01 to 1976-07-28
Hamelton Butte	VHBM	Oregon,U.S.A.	42.7858N	121.3490W	1945	
Hamer Butte	HID	Idaho,U.S.A.	43.9631N	112.1640W	1527	From 1979-08-24 to 1999-08-25
Hamilton	HML	Ontario,Canada	43.2500N	79.8500W		
Hamilton	HMT	Alaska,U.S.A.	60.3365N	144.2610W	620	From 1977-06-01
Hamilton	HNY	New York,U.S.A.	42.8318N	75.5148W	500	From 1974-07-01 to 1978-08-31
Hamilton Opening	GHOM	California,U.S.A.	39.0444N	123.5400W	687	
Hamilton Ranch	HMR	California,U.S.A.	38.1547N	121.8003W	65	From 1971-04-29
Hamilton Ranch, Breckenridge	133A	Texas,U.S.A.	32.6083N	98.9162W	418	From 2009-11-12
Hamley Bridge	HML1	South Australia,Australia	34.4034S	138.5889E	73	From 2007-03-28
Hamman Mousa	HAMM	Egypt	28.2763N	33.5778E		
Hammer	RHAM	Bayern,Germany	47.8040N	12.7200E	799	From 2001-04-09
Hammerfest	HAMF	Norway	70.6424N	23.6843E	105	From 2010-06-11
Hammernes	N1R5	Norway	66.3870N	14.0330E	62	
Hamra	HMRJ	Jordan	32.0450N	36.3110E	708	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Hamren	HMNA	Assam,India	25.9233N	92.6083E		From 1985-01-01
Hamta	HMTJ	Jordan	32.2208N	35.8122E	550	From 1983-09-01 to 1984-09-30
Hanceville	HVA	Alabama,U.S.A.	34.0264N	86.7692W	195	
Handcock Road	HRRZ	North Island,New Zealand	38.3919S	176.2836E	590	From 2007-03-23
Haney	HNB	British Columbia,Canada	49.2744N	122.5790W	185	From 1980-06-20
Haney	HYC	British Columbia,Canada	49.2656N	122.5730W	150	From 1975-09-01 to 1980-07-04
Hanford	HAWA	Washington,U.S.A.	46.3925N	119.5326W	364	
Hanford	HAN	Washington,U.S.A.	46.6033N	119.4670W	329	
Hanford Gable Butte	HGB	Washington,U.S.A.	46.5977N	119.4620W	165	
Hanimaadhoo	HMDM	Maldives	6.7731N	73.1822E	0	From 2008-01-22
Hanita	HNTI	Israel	33.0830N	35.1740E	301	
Hanksville Airport, Hanksville	R17A	Utah,U.S.A.	38.4187N	110.7109W	1357	From 2007-06-26 to 2009-03-10
Hannah	HH-	Montana,U.S.A.	48.9481N	98.6925W	1100	From 1963-07-22 to 1964-08-05
Hannah	HH-ND	Montana,U.S.A.	48.9481N	98.6925W	488	From 1963-07-22 to 1964-08-05
Hannah	HH2	North Dakota,U.S.A.	48.9442N	98.6822W	488	From 1966-05-23
Hannah	HH2ND	North Dakota,U.S.A.	48.9442N	98.6822W	488	From 1966-05-23
Hanning Flat	WHFM	California,U.S.A.	35.6962N	118.3490W	902	
Hanno	JHU	Saitama,Japan	35.8517N	139.2817E	245	
Hanoi	HNV	Vietnam	21.0481N	105.7970E	6	
Hanover	HNH	New Hampshire,U.S.A.	43.7053N	72.2856W	180	From 1975-06-15
Han Pijesak,BIH	HAPS	Bosnia and Herzegovina	44.0872N	18.9507E	1190	
Hansel Valley	HVU	Utah,U.S.A.	41.7797N	112.7750W	1609	
Hans M'sky res	HMSA	South Africa	23.7288S	30.6680E	474	
Hans Werner Braun Residence, San Diego	HWB	California,U.S.A.	33.0262N	116.9596W	478	
Hanur-Agry	AGRB	Turkey	39.5755N	42.9920E	1820	From 2006-11-21
HAPCHEON	KSHAC	South Korea	35.5572N	128.1699E	33	From 2000-12-05
Happy Creek Ranch, Winnemucca	M08A	Nevada,U.S.A.	41.4483N	118.3792W	1288	From 2006-02-14 to 2008-04-02
Haql	HQL	Saudi Arabia	29.2700N	35.0469E	285	From 1986-01-01
Haql	HAQS	Saudi Arabia	29.0500N	34.9200E	320	
Harad	HRAD	Yemen	16.4167N	43.0500E	0	
Harads	HARU	Sweden	66.1635N	20.9752E	105	From 2006-09-19
Harare	HARE	Zimbabwe	17.7000S	31.0100E	1501	
Harbor Island ANSS-SMO	HART	Washington,U.S.A.	47.5838N	122.3501W	2	From 2005-02-09
Harding Lake	HDA	Alaska,U.S.A.	64.4058N	146.9540W	450	From 1977-09-01
Hard Times	NEV	Nevis,Saint Kitts and Nevis	17.1361N	62.5710W	244	From 1980-07-09
Hardware Ranch	HRUT	Utah,U.S.A.	41.6073N	111.5650W	1720	
Hardware Ranch	HWUT	Utah,U.S.A.	41.6069N	111.5652W	1830	
Hargill	035Z	Texas,U.S.A.	26.4630N	98.0683W	19	From 2010-01-09
Harich	HARI	Armenia	40.6080N	44.0000E	1980	From 1994-11-01
Harlan Ranch	PHAM	California,U.S.A.	35.8360N	120.3980W	455	
Harlequin Lake	HQN	Alaska,U.S.A.	59.4517N	138.8770W	372	From 1974-10-01
Harlowton	E18A	Montana,U.S.A.	46.5663N	109.9137W	1459	From 2007-09-14 to 2009-09-08
Harmony Heights	HHI	Idaho,U.S.A.	46.4757N	116.1470W	636	From 1971-10-01 to 1974-07-15
Harness Mountain	HSO	Oregon,U.S.A.	43.5258N	123.0900W	1020	From 1990-09-20
Haroharo	HARZ	North Island,New Zealand	38.0911S	176.5019E	740	From 1992-06-15 to 2004-04-30
Harold F. Ross	AHRM	California,U.S.A.	38.8543N	121.0700W	345	From 1976-01-29
Harpers Horsepen, Conroe	538A	Texas,U.S.A.	30.2219N	95.4900W	59	From 2010-01-28
Harrah City Hall	OK007	Oklahoma,U.S.A.	35.4877N	97.1612W	325	
Harre	HARN	Nepal	28.4200N	81.6700E	1230	
Harrisburg	HBAR	Arkansas,U.S.A.	35.5550N	90.6572W	74	
Harrisburg (Southeastern Illinois College)	HAIL	U.S.A.	37.7527N	88.4373W	123	
Harrisonburg	HBV	Virginia,U.S.A.	38.4383N	78.8725W	411	From 1971-06-01
Harrison Lake South	HLSB	British Columbia,Canada	49.2836N	121.7249W	18	
Harrison Mills	HRMB	British Columbia,Canada	49.2446N	121.9391W	3	
Harrison Substation	HAO	Oregon,U.S.A.	45.5092N	122.6567W	18	
Harris Ranch	HRC	California,U.S.A.	36.7700N	121.4130W	228	
Harsova	HARR	Romania	44.6900N	27.9310E	118	
Hartford	HAR	Connecticut,U.S.A.	41.7500N	72.6833W		From 1947-01-01 to 1954-12-31
Hartland	HTL	England,United Kingdom	50.9944N	4.4850W	91	From 1981-05-01
Harts Bluff	HBF	South Carolina,U.S.A.	32.9331N	80.3777W	10	From 1973-03-23
Hartsel	Q23A	Colorado,U.S.A.	38.9045N	105.8337W	2774	From 2008-06-25
Harvey Farm, Monticello	S19A	Utah,U.S.A.	37.7459N	109.1366W	2059	From 2007-06-23 to 2009-03-06
Hasanabad	IHSB	Iran	35.4378N	51.2757E	1119	From 1996-01-01
Hashikami	HSH	Iwate,Japan	40.4117N	141.5830E	355	
Hashim	HSHJ	Jordan	29.4210N	35.4000E	1100	From 1989-09-04
Hashtrud	IHSH	Iran	38.3067N	47.2630E	2805	From 1995-08-01
Haskell	Z32A	Texas,U.S.A.	33.3066N	99.4783W	427	From 2009-03-10
Hasliberg/Brienz	HASLI	Switzerland	46.7568N	8.1512E	1280	From 1999-03-01
Hassan Addkhil	HAD	Morocco	31.9950N	4.4550W	1124	
Hassela	HASU	Sweden	62.1532N	16.6136E	100	From 2000-04-13
Hasselmere	SFH	England,United Kingdom	51.0604N	0.6912W	260	
Hastings	HAS	North Island,New Zealand	39.6333S	176.8830E	11	From 1931-01-01 to 1947-12-31
Hastings	HT-MN	Minnesota,U.S.A.	44.8528N	92.8778W	274	From 1962-08-02 to 1962-10-05
Hastings	HT-	Minnesota,U.S.A.	44.8528N	92.8778W	274	From 1962-08-02 to 1962-10-05
Hastings Reserve	HAST	California,U.S.A.	36.3887N	121.5514W	542	From 2004-07-19 to 2007-09-02
Hastings State Park	BHSM	California,U.S.A.	36.3558N	121.5400W	646	From 1975-09-04
Hata	HATH	Aomori,Japan	41.3011N	140.9643E	180	
Hatay	HTY	Turkey	36.1212N	36.1378E	84	
Hatchie Coon Island	HCI	Arkansas,U.S.A.	35.6950N	90.3450W	67	
Hat Creek	LHCM	California,U.S.A.	40.8050N	121.5140W	1020	
Hat Creek Radio Observatory, Hat Creek	HATC	California,U.S.A.	40.8161N	121.4612W	1013	From 2005-05-19 to 2007-09-07
Hateruma jima	HATJ	Ryukyu Islands,Japan	24.0567N	123.8050E	15	From 1992-02-24
Hatgal	HTG	Mongolia	50.4600N	100.1700E	1680	
Hathaway	HAWT	Missouri,U.S.A.	36.2256N	89.6596W	81	
Hatillo	SDD06	Dominican Republic	19.0363N	70.2135W	240	
Hat Mesa	HTMS	New Mexico,U.S.A.	32.4725N	103.6340W	1192	From 1991-01-01
Hatta, Dubai	HATD	United Arab Emirates	24.8257N	56.1321E	340	From 2006-05-17
Hattorf	HAT	Hessen,Germany	50.8297N	9.9442E	-592	From 1980-01-01
Haudompre	HAU	Lorraine,France	48.0056N	6.3481E	577	
Hauiti	HIZ	North Island,New Zealand	38.5147S	174.8554E	266	From 2004-02-09
Haukadalur	IHAU	Iceland	63.9690N	19.9650W	96	From 1989-12-08
Haulerwijk	HWF	Netherlands	53.0718N	6.3516E	6	
Haulerwijk	HWF3	Netherlands	53.0710N	6.3512E	-143	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF2	Netherlands	53.0710N	6.3512E	-93	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF1	Netherlands	53.0710N	6.3512E	-43	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF4	Netherlands	53.0710N	6.3512E	-193	From 2010-11-24 to 2010-11-24
Haus	N2B5	Norway	61.9220N	5.5850E	30	
Hausauer Farms, Kief	C28A	North Dakota,U.S.A.	47.7157N	100.3871W	524	From 2009-08-13
Hausen	HSND	Baden-Wurttemberg,Germany	48.3042N	9.1938E	709	From 1982-01-01
Hauterive	HTQ	Quebec,Canada	49.1917N	68.3939W	123	From 1982-04-15
Havelock North	HNHZ	North Island,New Zealand	39.6653S	176.8812E	10	From 1989-08-05 to 1997-08-04
Havelock North	HNZ	North Island,New Zealand	39.6833S	176.8830E	18	From 1947-01-01 to 1953-12-31
Haverah Park	HPK	England,United Kingdom	53.9581N	1.6241W	227	From 1978-01-01
Haverstraw	HAVE	New York,U.S.A.	41.2325N	74.1113W	268	
Havilah	WHVM	California,U.S.A.	35.5099N	118.5190W	971	
Havilah	HAV	California,U.S.A.	35.5100N	118.5170W	990	From 1952-07-01 to 1952-09-04
Havirov	HAVC	Czech Republic	49.7630N	18.4770E	0	
Havre	HV-	Montana,U.S.A.	48.4222N	109.8222W	884	From 1965-10-25 to 1967-12-10
Havre	HV-MA	Montana,U.S.A.	48.4222N	109.8222W	884	From 1965-10-25 to 1967-12-10
Havza	HAVZ	Turkey	41.0743N	35.7180E	575	From 2008-12-04
Hawaii-2 Observatory	H2O	North Pacific Ocean	27.8819N	141.9917W	-4947	
HawaiianBeaches	HBH	Hawaii,U.S.A.	19.5315N	154.8980W	92	
Hawaiian Volcano	HVO	Hawaii,U.S.A.	19.4233N	155.2930W	1240	From 1912-01-01
HAWAII INFRASONIC ARRAY REFERENCE POINT	I59US	Hawaii	19.5915N	155.8936W	1076	From 2001-02-20
Hawaii Institute of Geophysics	HIG	Hawaii,U.S.A.	21.2847N	157.8190W	18	From 1964-05-01
Hawaii Isl. Ar.	HW-IS	Hawaii,U.S.A.	19.9803N	155.7056W	705	From 1963-07-24 to 1964-10-22
Hawaii Isl. Ar.	HW-	Hawaii,U.S.A.	19.9803N	155.7056W	705	From 1963-07-24 to 1964-10-22
Hawaii Preparatory Academy	HPAH	Hawaii,U.S.A.	20.0303N	155.6973W	755	
Haweek	HAWK	Syria	34.5211N	36.4055E	1000	From 1995-09-01
Hawker	HKER	South Australia,Australia	31.7642S	138.5524E	440	
Hawk's Nest	HWKN	South Australia,Australia	29.9578S	135.2035E	180	From 1981-06-22
Hawks Nest	HKN	South Australia,Australia	30.0117S	135.1867E	171	
Hawk Springs	HK-WY	Wyoming,U.S.A.	41.6958N	104.3569W	1494	From 1962-07-17 to 1962-10-05
Hawk Springs	HK-	Wyoming,U.S.A.	41.6958N	104.3569W	1494	From 1962-07-17 to 1962-10-05
Hawqa	HWQ	Lebanon	34.2780N	35.9463E	1161	From 2001-02-01
Hayfield	HAY	California,U.S.A.	33.7074N	115.6839W	413	From 1956-06-20
Hayfork Bally	KHBM	California,U.S.A.	40.6602N	123.2190W	1885	
Hayseed and Buckwheat Dairy Farm	HBDB	British Columbia,Canada	49.1697N	122.2135W	6	
Hay Springs	HS-	Nebraska,U.S.A.	42.4256N	102.7144W	1158	From 1962-05-09 to 1962-06-28

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Hay Springs	HS-NB	Nebraska,U.S.A.	42.4256N	102.7144W	1158	From 1962-05-09 to 1962-06-28
Haystack Butte	HYS	California,U.S.A.	34.8638N	117.5690W	867	
Haystack Fork	HAYW	Wyoming,U.S.A.	43.6396N	110.3320W	2835	From 1990-09-01 to 2007-08-07
Haystack Lookout	HTW	Washington,U.S.A.	47.8035N	121.7690W	829	From 1975-06-11
Hayter Ranch, Fort Stockton	427A	Texas,U.S.A.	30.8498N	103.4018W	1031	From 2008-03-16 to 2010-02-12
Hayti	HATI	Missouri,U.S.A.	36.1770N	89.6760W	83	
Hazelwood Elementary School	RHAZ	Washington,U.S.A.	47.5405N	122.1857W	10	
Headley	HEA	England,United Kingdom	51.3583N	1.2639W	114	
Headquarters	HDQ	Colorado,U.S.A.	39.5583N	105.0790W	1683	From 1973-01-01 to 1976-11-30
Healdsburg	NHBM	California,U.S.A.	38.5893N	122.9090W	165	From 1975-02-21
Heard Island	HII	Heard Island	53.0200S	73.3850E	10	
Hearst Castle	PHCM	California,U.S.A.	35.6822N	121.1530W	514	
Hebbronville	034A	Texas,U.S.A.	27.0647N	98.6833W	155	From 2010-01-08
Heber	HEB	Utah,U.S.A.	40.5015N	111.3358W	1925	
Heber	HR-	Arizona,U.S.A.	34.6697N	110.7664W	1875	From 1964-07-10 to 1965-10-04
Heber	HR-AZ	Arizona,U.S.A.	34.6697N	110.7664W	1875	From 1964-07-10 to 1965-10-04
Hebgen Ridge	YPHR	Idaho,U.S.A.	44.8523N	111.3160W	2060	
Hebron	O33A	Nebraska,U.S.A.	40.0755N	97.5845W	480	
Hector,Ludlow	HEC	California,U.S.A.	34.8300N	116.3300W	920	From 2004-04-01
Heda	HDAN	Shizuoka,Japan	34.9620N	138.8201E	250	
Heda	HEDN	Shizuoka,Japan	34.9591N	138.8126E	160	
Hedekas	HED	Sweden	58.6800N	11.7780E	78	From 1980-01-01 to 1991-12-31
Heerlen	HEE	Netherlands	50.8850N	5.9817E	115	From 1926-04-18 to 1981-01-01
Hefner Road	OK003	Oklahoma,U.S.A.	35.5493N	97.3358W	354	
Hegura jima	JHG	Ishikawa,Japan	37.8483N	136.9200E	12	
Heguri	JHE	Nara,Japan	34.6535N	135.6850E	260	
Hehuan Shan	WHF	Taiwan region	24.1450N	121.2650E	3395	
Heidelberg (Koenigstuhl)	HEI	Baden-Wurttemberg,Germany	49.3991N	8.7274E	560	From 1959-01-01
Heidenheim-Charlottenhoehle	HDH	Baden-Wurttemberg,Germany	48.5843N	10.2070E	501	From 1996-01-01
Heiheiahulu	HUL	Hawaii,U.S.A.	19.4188N	154.9790W	369	
Heimansgroeve	HGN	Netherlands	50.7640N	5.9317E	135	From 1993-03-01
Heimerzheim	BA15	Nordrhein-Westfalen,Germany	50.7117N	6.9275E	157	From 2006-10-01
Heinrich-Robert Mine	HRH	Nordrhein-Westfalen,Germany	51.6234N	7.7527E	-888	
Heinsberg	BA13	Nordrhein-Westfalen,Germany	51.0707N	6.0753E	42	From 2006-10-01
Heioarbar	IHEI	Iceland	64.2000N	21.2360W	162	From 1989-12-13
Hejung	EHC	Taiwan region	24.2680N	121.7330E	11	
Hel	PHL	Poland	54.6080N	18.8170E	1	
Helez	HLZ	Israel	31.6000N	34.6400E	100	
Helgoland	HLG	Schleswig-Holstein,Germany	54.1847N	7.8839E	41	
Hella	IHLA	Iceland	65.9440N	18.3870W	37	From 1995-02-01
Hells Half Acre	HHAI	Idaho,U.S.A.	43.2950N	112.3790W	1391	
Helmville	HLM	Montana,U.S.A.	46.8894N	112.9330W	1365	From 1974-09-03 to 1976-10-04
Helsinki	HEL	Finland	60.1756N	24.9570E	20	
Helvecia	HSFA	Santa Fe,Argentina	31.1028S	60.1108W	55	
Helwan	HLW	Egypt	29.8583N	31.3417E	116	From 1903-01-01
Hemet	HMTC	California,U.S.A.	33.7088N	117.0039W	582	
Hempstead	HE-TX	Texas,U.S.A.	30.1997N	96.0919W	67	From 1963-07-25 to 1964-03-16
Hempstead	HE-	Texas,U.S.A.	30.1997N	96.0919W	67	From 1963-07-25 to 1964-03-16
Hemsoen	HEMU	Sweden	62.6760N	18.0359E	100	From 2000-04-13
Hendek	HENT	Turkey	40.8231N	30.8992E	583	
Henderson Mound	HENM	Missouri,U.S.A.	36.7160N	89.4717W	88	
Hengchuen, Pingtung county	TSEB	Taiwan region	21.9000N	120.9000E	0	From 2005-01-01
Hengchun	TWK1	Taiwan region	21.9433N	120.8053E	90	From 1978-01-15
Hengchun	HEN	Taiwan region	22.0055N	120.7381E	22	
Heniu Mare	HNM	Romania	47.2775N	24.7339E	1580	From 1982-09-01 to 1989-01-01
Henry Mountain	HMU	Utah,U.S.A.	37.9380N	110.7418W	2430	From 2005-11-17
Heoinshofoi	IHED	Iceland	66.0810N	17.3100W	75	From 2000-09-25
Hepburn Lake, NWT	HPLN	Northwest Territories,Canada	66.3485N	115.3232W	479	From 2009-07-16
Heping Village	EHP	Taiwan region	24.3100N	121.7410E	200	From 2001-05-01
Hepp	HPP	Alaska,U.S.A.	64.7905N	147.9590W	170	From 1971-11-09 to 1976-06-30
Heraklion	IACM	Crete,Greece	35.3058N	25.0709E	43	From 2009-11-28
Herceg Novi	HCY	Montenegro	42.4473N	18.4938E	321	From 1983-12-25
Hercules	HERB	California,U.S.A.	38.0124N	122.2622W	-18	
Herd Peak	LHEM	California,U.S.A.	41.6285N	122.2190W	2155	From 1981-01-15
Heredia	HDC	Costa Rica	10.0013N	84.1140W	1150	From 1984-03-17
Heredia 2	HDC2	Costa Rica	10.0237N	84.1167W	1220	From 1985-01-01
Hereke	HRT	Turkey	40.8217N	29.6680E	645	From 1980-01-01
Heris	IHRS	Iran	38.3183N	47.0420E	2100	From 1995-08-01
Herkenbosch	HKB	Netherlands	51.1889N	6.1684E	74	
Hermanus	HER	Cape Province,South Africa	34.4250S	19.2250E	26	
Hermiston	HRO	Oregon,U.S.A.	45.8357N	119.3810W	172	
Hernandez Reservoir, Idria	U04C	California,U.S.A.	36.3627N	120.7828W	812	From 2004-12-05 to 2007-12-11
Hernandez Valley	PHRM	California,U.S.A.	36.3730N	120.8190W	750	From 1969-11-26
Hernandez Valley	HVC	California,U.S.A.	36.3730N	120.8190W	750	From 1969-11-26
Hernando Brdge	HDBT	Tennessee,U.S.A.	35.1534N	90.0581W	66	
Herne Bay Borehole	HBAZ	North Island,New Zealand	36.8501S	174.7304E	20	From 2009-08-06
Heron Place, Grans Saline	137A	Texas,U.S.A.	32.5973N	95.7559W	141	From 2010-02-24
Herstmonceux	HMNX	England,United Kingdom	50.8674N	0.3363E	26	From 2009-05-16
Hetta	HEF	Finland	68.4080N	23.6600E	380	From 2006-11-01
Heukewalde	HKWD	Thuringen,Germany	50.8298N	12.2681E	317	From 2008-05-06
Heuksando	KSHUK	South Korea	34.6838N	125.4518E	79	From 1999-04-18
Hexham	HEXM	Victoria,Australia	37.9280S	142.7780E	220	
Hiawatha	HWK	Kansas,U.S.A.	39.8022N	95.4965W	320	From 1978-10-05 to 2001-07-15
Hibok Hibok	VHH	Mindanao,Philippines	9.2330N	124.6720E	250	From 1993-01-01
Hickman	HICK	Kentucky,U.S.A.	36.5409N	89.2288W	141	
Hicks Bay	HBZ	North Island,New Zealand	37.5992S	178.3010E		From 1985-07-26 to 2004-03-01
Hicks Ranch, Ibapah	O13A	Utah,U.S.A.	40.1314N	113.9814W	1573	From 2007-02-21 to 2008-09-01
Hidaka	HDK	Wakayama,Japan	33.9259N	135.1390E	30	From 1965-01-01 to 1974-04-03
Hidaka-Cho	HIC	Hidaka,Japan	42.8915N	142.4573E	330	From 1976-07-01
Hidalgo Marine Base	HDB	California,U.S.A.	34.4008N	116.2874W	875	
Hidalgo Mountain	HDG	California,U.S.A.	34.4289N	116.3058W	1302	From 1974-04-01 to 2010-04-28
Hidden Bay	AD4	Alaska,U.S.A.	51.6986N	176.6320W	213	From 1974-01-01 to 1992-02-01
Hidden Lake	HKP	Pennsylvania,U.S.A.	41.0382N	75.0617W	337	From 1973-02-01 to 1974-07-31
Hierbabuena	HIER	Ecuador	2.7200S	79.4200W	2800	
Hierro	EHRO	Spain	27.7535N	18.1106W	135	
Higginbotham Farm, Almira	C08A	Washington,U.S.A.	47.7849N	119.0454W	783	From 2006-09-21 to 2008-05-14
Highclere	BDH	Barbados	13.2030N	59.5890W	308	From 1978-11-19
Highcliff Hill	HHSZ	South Island,New Zealand	45.8860S	170.5977E	375	From 2006-04-08
High Heaven	VHHM	Oregon,U.S.A.	45.2647N	123.3090W	533	
High Hole Crater	LHHM	California,U.S.A.	41.5228N	121.5325W	1890	
High Hoyland	HHWY	England,United Kingdom	53.5867N	1.5974W	205	
Highland	HLNC	California,U.S.A.	34.1213N	117.2190W	236	
Highland Ranch	HLR	Colorado,U.S.A.	39.5372N	104.9740W	1782	From 1973-01-01 to 1976-11-30
Highland Springs	GHLM	California,U.S.A.	39.0405N	123.0190W	956	From 1975-06-01
Highlands Station	HLRZ	North Island,New Zealand	38.2537S	176.3520E	576	From 2008-12-03
High Level	HILA	Alberta,Canada	58.5561N	117.0203W	329	From 2009-10-19
Highline Community College ANSS-SMO	HICC	Washington,U.S.A.	47.3899N	122.2991W	115	From 2001-06-27
High Valley	GHVM	California,U.S.A.	39.0850N	122.7340W	1036	
Higuera	EHIG	Spain	28.5567N	17.8062W	845	
Hikami	HMTD	Hyogo,Japan	35.2265N	135.0435E	250	
Hikimi	JHIK	Shimane,Japan	34.5313N	131.9292E	350	From 1997-12-01
Hikinohira	HIKD	Kagoshima,Japan	31.5803N	130.6439E	550	
Hikone	HIK	Shiga,Japan	35.2733N	136.2470E	87	
Hilina Pali	HLP	Hawaii,U.S.A.	19.2993N	155.3100W	707	From 1970-09-01
Hillesheim	HILG	Rheinland-Pfalz,Germany	50.2918N	6.6788E	500	From 1998-01-01
Hilltop Ranch, Iowa Park	Y33A	Texas,U.S.A.	34.0081N	98.6256W	321	From 2009-11-08
Hilo	HIL	Hawaii,U.S.A.	19.7178N	155.0878W	26	From 1922-01-01 to 2000-11-09
Hilton Creek	HTCR	California,U.S.A.	37.5298N	118.7710W	3012	From 1984-07-19
Himeji	HIM	Hyogo,Japan	34.8367N	134.6733E	39	
Himekami	HMK	Iwate,Japan	39.8483N	141.2467E	586	
Hinai	JAH	Akita,Japan	40.1887N	140.6358E	140	
Hinchinbrook Island	HIN	Alaska,U.S.A.	60.3968N	146.5020W	611	From 1974-10-03
Hinckley	HKM	Maine,U.S.A.	44.6564N	69.6408W	79	
Hindmarsh Valley	HMV1	South Australia,Australia	35.4903S	138.6369E	96	From 2008-12-28
Hinemaiaia	HATZ	North Island,New Zealand	38.8922S	176.0920E	492	From 1985-05-01
Hines	J07A	Oregon,U.S.A.	43.3736N	119.3105W	1273	From 2006-06-20 to 2008-04-04
Hinesburg	HBVT	Vermont,U.S.A.	44.3623N	73.0650W	342	
Hingarae	HITZ	North Island,New Zealand	38.7086S	175.7660E	458	From 1984-12-01 to 1991-06-21
Hinohara	HHR	Tokyo,Japan	35.7353N	139.0764E	595	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Hino-misaki	HNMJ	Wakayama,Japan	33.8811N	135.0661E	191	
Hinteralfeld	HINF	Lorraine,France	47.8167N	6.8531E	720	From 1996-04-03
Hinton	HWV	West Virginia,U.S.A.	37.5906N	80.8408W	521	From 1978-04-01 to 1998-12-31
Hinze Dam	HINZ	Queensland,Australia	28.0511S	153.2807E	140	
Hiratsu	HRTT	Yamagata,Japan	39.0100N	139.9400E	40	
Hirodai	HRD	Aomori,Japan	40.5842N	140.4773E	50	
Hirogawara	HRG	Shizuoka,Japan	35.1584N	139.0586E	285	
Hiroka	JHK	Fukushima,Japan	37.2483N	139.0170E	195	From 1994-04-01
Hiroo	HOO	Tokachi,Japan	42.2917N	143.3200E	32	
Hiroo 2	HOOJ	Tokachi,Japan	42.3833N	143.2870E	-1	
Hiroshima	HIR	Hiroshima,Japan	34.3633N	132.4370E	30	From 1935-01-01
Hiroshima	HIR1	Hiroshima,Japan	34.3950N	132.4650E	-4	From 1987-12-23
Hiroshima 2	HIRJ	Hiroshima,Japan	34.4283N	132.5650E	412	From 1988-03-22
Hirz Mountain	LHMM	California,U.S.A.	40.8968N	122.2450W	1064	
Hisarcik	HIS	Turkey	40.4687N	29.9313E	970	From 1993-01-01
Hisarkoy	HSY	Cyprus	35.1734N	33.0552E	257	From 2005-05-11
Hitachi	JHO	Tochigi,Japan	36.6108N	140.5690E	215	From 1995-04-01
Hittiya	HITJ	Jordan	29.7430N	35.8410E	1235	From 1989-10-29
Hiyama	JHY	Hiyama,Japan	41.6777N	140.0573E	30	
H. Mason	HMO	Oregon,U.S.A.	45.5381N	122.5720W	64	From 1975-01-01
Hnaberd	HNAZ	Armenia	40.6330N	44.1440E	2150	
Hlnxe	BZER	Nordrhein-Westfalen,Germany	51.6207N	6.8695E	51	From 2004-12-08
Ho	HOGH	Ghana	6.6092N	0.4450E	372	From 1987-01-01
Hoa Binh	HBV2	Vietnam	20.7962N	105.3387E	80	
Hoa-Binh	HBVN	Vietnam	20.8259N	105.3520E	30	From 1979-07-27
Hoadley Peaks	LHOM	California,U.S.A.	40.6852N	122.7500W	1378	
Hobart	FNT	Tasmania,Australia	42.9265S	147.3540E	184	From 1957-01-01 to 1962-12-31
Hobart	HB-OK	Oklahoma,U.S.A.	35.1764N	98.9103W	491	From 1961-11-09 to 1963-04-10
HOBART INFRASONIC ARRAY REFERENCE POINT	05AU	Tasmania	42.4908S	147.6806E	350	From 2003-03-29
Hobart Mills	HBM	California,U.S.A.	39.4017N	120.1530W	1804	From 1970-03-24 to 1973-04-30
Hobart Mills	HBT	California,U.S.A.	39.4267N	120.1630W	1804	From 1973-04-01
Hobart (Okla)	HB-	Oklahoma,U.S.A.	35.1764N	98.9103W	491	From 1961-11-09 to 1963-04-10
Hobbs	HHAR	Arkansas,U.S.A.	36.2817N	93.9399W	421	
Hochheid	FSH	Rheinland-Pfalz,Germany	50.0763N	7.1087E	350	
Hochneukirch	BD09	Nordrhein-Westfalen,Germany	51.0963N	6.4650E	88	From 2001-01-01
Hockley	HKT	Texas,U.S.A.	29.9500N	95.8333W	-415	From 1973-06-01
Hodge	HOD	California,U.S.A.	34.8389N	117.2475W	807	
Hodges Ranch	BHRM	California,U.S.A.	36.7278N	121.2640W	213	
Hof	HOF	Bayern,Germany	50.3136N	11.8775E	566	From 1909-01-01 to 2004-08-13
Hoffart Farm, Langdon	A30A	North Dakota,U.S.A.	48.9402N	98.3009W	484	From 2009-08-19
Hoffen	HOFF	Alsace,France	48.9417N	7.9639E	150	
Hogan Spring (BLM), Cisco	Q19A	Utah,U.S.A.	38.9553N	109.2630W	1283	From 2007-06-14 to 2009-04-26
Hogback Mountain	HOG	Oregon,U.S.A.	42.2424N	121.7057W	1887	
Hogback Ridge	GHGM	California,U.S.A.	39.1283N	122.8250W	903	From 1975-04-18
Hog Canyon	PHGM	California,U.S.A.	35.8760N	120.4840W	792	
Hoggard's Bluff	HOGG	Arkansas,U.S.A.	35.2216N	92.2410W	133	From 1985-08-01
Hogget Hill	HHP	South Island,New Zealand	44.3275S	170.3460E	490	From 1975-06-01 to 1983-11-21
Hogsback Ridge	HRU	Utah,U.S.A.	40.7862N	111.8848W	1640	
Hohbusch	HOBG	Nordrhein-Westfalen,Germany	50.9835N	7.3338E	270	From 1996-03-01
Hohenheim	HOH	Baden-Wurttemberg,Germany	48.7167N	9.2167E	396	From 1903-01-01 to 1934-01-31
Hohentengen	HTN	Baden-Wurttemberg,Germany	48.0293N	9.3784E	571	From 1984-01-01
Hohenwarte Talsperre	HWTS	Thuringen,Germany	50.5923N	11.4723E	555	From 2009-11-01
Hohe Rhon--Flad	HROE	Bayern,Germany	50.5366N	10.1574E	569	From 2002-12-10
Hohkeppel	HOK	Nordrhein-Westfalen,Germany	50.9803N	7.3122E	230	From 1976-06-01 to 1994-12-01
Hoima	HOI	Uganda	1.4180N	31.3420E	1094	From 1991-07-01
Hokigiyama	HOKE	Yamanashi,Japan	34.8488N	139.0413E	900	
Hokkaido University	HSS	Ishikari,Japan	42.9647N	141.2320E	215	
Hokoriku	HKJ	Fukui,Japan	35.9375N	136.2125E	20	
Hokuryu	JHR	Sorachi,Japan	43.7430N	141.7248E	195	
Holberg	HOLB	British Columbia,Canada	50.6405N	128.1320W	564	From 1991-08-01
Holcomb Ridge	HOLC	California,U.S.A.	34.4582N	117.8451W	1160	
Holdsworth Station	HOWZ	North Island,New Zealand	40.8991S	175.5149E	475	From 2007-04-20
Hole	HLX	Nevada,U.S.A.	39.9337N	117.6632W	1219	
Holguin	HOL	Cuba	20.8940N	76.2630W	350	
Holguin	HLGC	Cuba	20.8900N	76.0600W	350	From 1999-09-01
Holladay Fire Station, Holladay, Utah	HFSU	Utah,U.S.A.	40.6702N	111.8257W	1344	From 2010-08-17
Holland Mills	HMC	Quebec,Canada	45.7583N	75.6483W	175	
Holland Ranch, Erick	W31A	Oklahoma,U.S.A.	35.1864N	99.9435W	644	From 2009-03-22
Holland Ranch, North Fork	M11A	Nevada,U.S.A.	41.4311N	115.7912W	1849	From 2006-05-06 to 2008-08-11
Hollywood	HWD	South Carolina,U.S.A.	32.7388N	80.2835W	9	
Holman	HMNT	Northwest Territories,Canada	70.7631N	117.8058W	36	
Holmes Hill	YHH	Wyoming,U.S.A.	44.7883N	110.8505W	2717	
Holmfirth	LHO	England,United Kingdom	53.5451N	1.8548W	460	From 1991-01-01
Holstrom Ranch	JHLM	California,U.S.A.	37.1090N	121.8332W	908	From 1975-10-02
Holt	HLT	Alabama,U.S.A.	33.2223N	87.5077W	95	
Holter Research Foundation--Helena	HRF	Montana,U.S.A.	46.5943N	112.0440W	1256	
Holter Research Foundation--York Bridge	HRY	Montana,U.S.A.	46.7113N	111.8310W	1341	From 1980-11-08
Holt Ranch, Enterprise	S13A	Utah,U.S.A.	37.5808N	113.8604W	1698	From 2007-02-15 to 2008-10-09
Holy Cross	HCC	California,U.S.A.	36.9814N	121.7220W	159	From 1967-05-02 to 1975-10-12
Holy Mount Cemetery	HMCY	New York,U.S.A.	40.9648N	73.8032W	245	From 1985-12-01
Holy Rosary School	HOLY	Washington,U.S.A.	47.5654N	122.3839W	106	
Homack Ranch, Wilcox	118A	Arizona,U.S.A.	32.6399N	109.9697W	1440	From 2007-04-05 to 2009-01-21
Homborsund	HOMB	Norway	58.2702N	8.5052E	21	From 2008-11-20
Homer	HOM	Alaska,U.S.A.	59.6583N	151.6430W	198	From 1976-08-01
Homestead National Monument	HMN	Nebraska,U.S.A.	40.2864N	96.8356W	368	From 1979-03-10 to 2001-07-15
Homyel'	NE57	Belarus	52.6030N	31.0810E	129	
Honcut	OHCM	California,U.S.A.	39.3357N	121.4840W	79	From 1975-08-05
Hondo	HONK	Kumamoto,Japan	32.8761N	131.0780E	1167	
Hondo	JHD	Kumamoto,Japan	32.4650N	130.1368E	70	
Honeyville	HONU	Utah,U.S.A.	41.6100N	111.9170W	1515	From 1989-06-13
Hong Kong Observatory	HKC	Hong Kong,China	22.3020N	114.1743E	27	From 1921-10-01
Hong Kong Po Shan	HKPS	Hong Kong,China	22.2776N	114.1415E	196	From 2009-10-01
Hongo	HGJ	Tokyo,Japan	35.7156N	139.7630E	19	From 1965-05-01
Hongo	HNG	Tokyo,Japan	35.7111N	139.7660E	18	
Honiara	HNR	Solomon Islands,Papua New Guinea	9.4316S	159.9470E	72	From 1960-10-01
Honjo	HJH	Akita,Japan	39.3383N	140.1730E	136	From 1975-04-01
Honjo	HJY	Akita,Japan	39.3383N	140.1730E	136	From 1975-04-01
Honolulu	HNL	Hawaii,U.S.A.	21.3583N	157.8100W	243	From 1964-05-01 to 1974-12-31
Honolulu	HON	Hawaii,U.S.A.	21.3242N	158.0010W	2	From 1902-01-01
Honuapo	HPO	Hawaii,U.S.A.	19.0889N	155.5540W	15	
Hood Meadows East	VHEM	Oregon,U.S.A.	45.3287N	121.6740W	1739	
Hoodsport	HDW	Washington,U.S.A.	47.6485N	123.0540W	1006	
Hope	HOPB	British Columbia,Canada	49.3873N	121.4205W	248	
Hope	HOJ	Jamaica	18.0045N	76.7494W	179	From 1965-08-21
Hope Bay	HOP	Jamaica	18.0220N	76.7500W	200	From 1961-11-01 to 1965-06-30
Hopedale	HDIL	Illinois,U.S.A.	40.5560N	89.2940W	219	
Hopen	HOPEN	Svalbard,Norway	76.5100N	25.0100E	25	From 2004-09-01
Hope Point	HOPE	South Georgia Islands	54.2836S	36.4879W	20	
Hopland	HOPS	California,U.S.A.	38.9935N	123.0723W	299	From 1994-10-20
Hopovo Monastery	HOPOS	Serbia	45.1351N	19.8354E	310	From 2004-01-28
Hopper	HOPT	Tennessee,U.S.A.	36.3270N	89.4717W	125	
Hoqain	HOQ	Oman	23.5824N	57.3109E	350	From 2001-07-01
Horasan	HOMI	Turkey	40.0452N	41.9055E	2174	From 2006-09-18
Horco Molle	AHML	Tucuman,Argentina	26.7847S	65.3345W	670	From 1992-09-01
Horem	BA06	Nordrhein-Westfalen,Germany	50.9196N	6.7052E	73	From 2006-10-01
Hornachuelos	EHOR	Spain	37.8231N	5.2481W	160	From 1985-05-01
Hornachuelos	HORN	Spain	37.8466N	5.2582W	268	
Horndal	HRN	Sweden	60.2500N	16.4860E		From 1980-01-01
Hornillas	HORNC	Costa Rica	10.7125N	85.1783W	807	From 2000-01-01
Hornopire@15n	HOCH	Chile	41.9072S	72.4081W	165	
Hornsund	HSP	Svalbard,Norway	77.0082N	15.5504E		
Hornsund (broadband)	HSPB	Svalbard,Norway	77.0019N	15.5332E	10	
Horodok	HORU	Ukraine	49.2138N	26.4263E	340	From 2001-02-19
Horoka	HRK	Hokkaido,Japan	43.4663N	143.1287E	695	
Horominai	HORH	Iburi,Japan	42.4765N	140.9167E	235	
Horqueta	HOQC	Colombia	3.4680N	76.6337W	2220	From 1987-01-01
Horse Butte	YHB	Idaho,U.S.A.	44.7512N	111.1952W	2157	
Horse Canyon	HCU	Utah,U.S.A.	39.4883N	110.3450W	2134	From 1962-01-01 to 1977-03-31
Horsefly Mountain	VHYM	Oregon,U.S.A.	42.2645N	121.0490W	1932	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Horse Heaven Hills	HHH	Washington,U.S.A.	46.1717N	119.3840W	490	From 1987-03-01
Horse Mountain	KHMM	California,U.S.A.	40.8747N	123.7310W	1509	
Horse Pasture	SHEL	Saint Helena	15.9588S	5.7457W	537	From 1995-06-19
Horseshoe Bay	HBC	British Columbia,Canada	49.3775N	123.2760W		From 1951-01-01 to 1960-04-30
Horse Springs, Datil	Y20A	New Mexico,U.S.A.	33.9085N	108.3769W	2177	From 2008-02-10
Horse Wrangler Ranch, Akron	O26A	Colorado,U.S.A.	40.2422N	103.3128W	1413	From 2008-11-20
Horta	HOR	Azores,Portugal	38.5267N	28.6300W	60	
Horta de San Juan	ERTA	Spain	40.9567N	0.3335E	547	
Hortiatis	HORT	Greece	40.5978N	23.0996E	933	From 2006-07-12
Horyu	HRJ	Ishikawa,Japan	37.3994N	137.1360E	275	
Hoseineyeh	IHOS	Iran	32.6793N	48.2365E	0	From 1998-01-01
Hoshina	HSJ	Nagano,Japan	36.5841N	138.2740E	490	From 1968-07-21
Hoskins	DAW	New Britain,Papua New Guinea	5.5500S	150.4670E	250	From 1969-11-02 to 1970-12-31
Hososhima	JMH	Miyazaki,Japan	32.5717N	131.5883E	60	
Hossack Road	HSRZ	North Island,New Zealand	38.3113S	176.2449E	470	From 2010-04-13
Hot Caves	HTC	Hawaii,U.S.A.	19.2388N	155.4000W	381	
Hot Creek Range	HCR	Nevada,U.S.A.	38.2339N	116.4357W	2058	
Hotel Rinc˚‡n de la Vieja Lodge	GPS2	Costa Rica	10.7525N	85.3520W	676	From 2000-01-01
Hotokeiwa	HTK	Nagano,Japan	36.3769N	138.5397E	1462	
Hot Spot	HSW	Washington,U.S.A.	46.5295N	119.5550W	217	From 1970-06-01 to 1971-10-31
Hot Springs	C13A	Montana,U.S.A.	47.6795N	114.5735W	976	From 2006-09-21 to 2009-08-04
Hot Springs Basin	YPHS	Wyoming,U.S.A.	44.7556N	110.3540W	2621	
Hot Springs Mountain	HOT	California,U.S.A.	33.3144N	116.5824W	1934	From 1976-01-01 to 2010-04-28
Houchin Ranch, La Veta	S24A	Colorado,U.S.A.	37.6407N	105.2126W	2672	From 2008-06-13
Houelmont	HMG	Guadeloupe	15.9823N	61.7000W	420	
Houlton	HN-	Maine,U.S.A.	46.1619N	67.9858W	213	
Houlton	HN-ME	Maine,U.S.A.	46.1619N	67.9858W	213	
Houlton	HNME	Maine,U.S.A.	46.1599N	67.9867W	209	
Hourglass Bar Ranch, Mountainair	X23A	New Mexico,U.S.A.	34.5810N	106.1881W	1948	From 2008-04-19
House Creek	GHCM	California,U.S.A.	38.6060N	123.1970W	518	From 1975-05-07
House Creek Ranch, Rogerson	L12A	Idaho,U.S.A.	42.1460N	115.0162W	1756	From 2006-12-21 to 2008-08-08
Houston	HOU	Texas,U.S.A.	29.7189N	95.4022W	5	
Houston--Electro-Tech	HET	Texas,U.S.A.	29.7200N	95.4699W	6	From 1961-01-01 to 1965-04-30
Hovd	HBD	Mongolia	48.0100N	91.6500E	1410	
Hoven	G29A	South Dakota,U.S.A.	45.1926N	99.9234W	588	From 2009-09-10
Howard	HD-	Pennsylvania,U.S.A.	40.9956N	77.5956W	369	From 1964-09-25 to 1965-01-25
Howard	HD-PA	Pennsylvania,U.S.A.	40.9956N	77.5956W	369	From 1964-09-25 to 1965-01-25
Howats Hill	BHH	Scotland,United Kingdom	55.0931N	3.2181W	216	
Howe Caverns	HCNY	New York,U.S.A.	42.6968N	74.3984W	273	
Howe Peak	HPI	Idaho,U.S.A.	43.7114N	113.0970W	2597	From 1972-10-01
Howes	H27A	South Dakota,U.S.A.	44.6329N	102.0775W	748	From 2009-06-10
Howe Scarp	HWSI	Idaho,U.S.A.	43.9222N	113.1060W	1740	From 1992-01-01
Howrah	HOW	West Bengal,India	22.4167N	88.3092E	3	From 1952-01-01
Hoy	OHO	Orkney Islands,United Kingdom	58.8321N	3.2464W	172	From 1995-09-21
Hoyanger	HYA	Norway	61.1660N	6.1870E	30	From 1999-06-08
Hoyt Mine	HYX	Nevada,U.S.A.	39.7728N	117.7630W	1661	From 1980-01-01
Hoyt Peak	HTU	Utah,U.S.A.	40.6753N	111.2200W	2575	From 1974-11-01
Hraun	IHRN	Iceland	66.1100N	20.1230W	15	From 1996-08-30
Hsiaoliuchiu	TWP	Taiwan region	22.3460N	120.3625E	80	From 1978-01-02
Hsiaoliuchiu	WLCT	Taiwan region	22.3480N	120.3620E	38	
Hsinchu	HSN	Taiwan region	24.8022N	120.9696E	34	
Hsinkong	SGK	Taiwan region	23.1000N	121.3670E	36	
Hsinkong	HSI	Taiwan region	23.1000N	121.3670E	36	
Hsinying	TWK	Taiwan region	23.2667N	120.4880E	590	From 1974-07-19
Huajuapan	UTMO	Oaxaca,Mexico	17.8300N	97.8035W	1783	From 2003-11-18
Hualalai	HUH	Hawaii,U.S.A.	19.6875N	155.8390W	2189	From 1971-05-06
Hualan@16e@15	U65B	Maule,Chile	34.9642S	71.7886W	66	
Hualapai Mountain Park, Kingman	W13A	Arizona,U.S.A.	35.0990N	113.8854W	1988	From 2006-03-09
Hualien Port	HWAP	Taiwan region	23.9800N	121.6200E	0	From 2001-08-27
Hualilan	HLN	San Juan,Argentina	30.7364S	68.9492W	2000	
Huancayo	HUA	Peru	12.0384S	75.3228W	3313	From 1932-04-01
Huanuco	HCO	Peru	9.8300S	76.2300W	1851	
Huara	HUAR	Chile	19.9320S	69.7261W	1135	From 2009-12-03
Huaraz	HUZ	Peru	9.5289S	77.5083W	3300	From 1972-01-01
Huarmaca	HURP	Peru	5.5830S	78.4330W	2000	
Huasco	HUCH	Atacama,Chile	28.4641S	71.2215W	9	From 2005-04-19
Huatulco	HUIG	Oaxaca,Mexico	15.7684N	96.1082W	150	
Huaypira	CHP5	Peru	4.6050S	80.5011W	240	
Huckleberry Mountain	HBO	Oregon,U.S.A.	43.8443N	122.3200W	1615	From 1990-09-19
Huddart Park	JHPM	California,U.S.A.	37.4442N	122.3020W	347	
Huddler Ranch, Lake City	T32A	Kansas,U.S.A.	37.1797N	98.9247W	596	From 2009-10-12
Hudiksvall	HUDU	Sweden	61.7364N	17.1194E	100	From 2005-10-15
Hudson	HUO	Ontario,Canada	50.0806N	92.0981W	367	From 1986-10-02
Hudson Bay High School ANSS-SMO	HUBA	Washington,U.S.A.	45.6307N	122.6526W	23	From 2002-09-12
Hue	HUV	Vietnam	16.4168N	107.5855E	8	
Hueftle Ranch, Cozad	N30A	Nebraska,U.S.A.	40.7957N	100.1001W	842	From 2009-05-21
Huehuecho	HUES	El Salvador	13.7783N	89.0000W	910	From 1991-12-01
Huelma, Jaen	E025	Spain	37.7016N	3.4657W	1621	From 2007-06-22 to 2009-06-24
Huescar	EHUE	Spain	37.8148N	2.5927W	980	From 1990-11-13
Huff	E28A	North Dakota,U.S.A.	46.5748N	100.6934W	579	From 2009-08-18
Hugo	Q26A	Colorado,U.S.A.	38.9234N	103.5195W	1546	From 2008-12-04
Hugoton	T29A	Kansas,U.S.A.	37.1565N	101.2942W	936	From 2009-04-08
Hu-ho-hao-te	HHC	Nei Monggol Zizhiqu,China	40.8494N	111.5640E	1169	
Huinay	HUNY	Chile	42.3789S	72.4142W	20	
Huiting Farm, Downs	P32A	Kansas,U.S.A.	39.6223N	98.6011W	524	From 2009-09-19
Huitzitzil	HUG	Guatemala	14.0208N	91.3235W		From 1987-10-01
Huka	HUTZ	North Island,New Zealand	38.6339S	176.0950E	360	From 1985-09-01 to 1996-04-22
Hull Mountain	HUMO	Oregon,U.S.A.	42.6071N	122.9567W	554	
Hull Mountain	GHMM	California,U.S.A.	39.4954N	122.9310W	1456	
Humahuaca	HJA	Jujuy,Argentina	23.2079S	65.4095W	3178	
Humberston	HMBC	Tarapaca,Chile	20.2781S	69.8878W	1152	
Humbligny	HYF	Centre,France	47.2685N	2.6394E	428	
Humboldt	X15A	Arizona,U.S.A.	34.4866N	112.2368W	1331	From 2006-03-22 to 2008-11-06
Hume Dam	HUMM	Victoria,Australia	36.1110S	147.0290E	190	
Humele	HUMR	Romania	44.5281N	24.9804E	247	From 2008-08-29
Humuula	HMH	Hawaii,U.S.A.	19.6052N	155.4860W	2445	
Hundersingen	HUN	Baden-Wurttemberg,Germany	48.0792N	9.4083E	565	
Hundred Mile H.	HM-	British Columbia,Canada	51.6550N	121.4756W	1128	From 1962-07-26 to 1962-10-05
Hungry Hill Ranch, Wilson	Z29A	Texas,U.S.A.	33.2595N	101.7062W	938	From 2009-01-29
Hungry Horse	HHM	Montana,U.S.A.	48.3494N	114.0280W	1100	From 1947-11-10 to 1979-12-16
Hungye	EHY	Taiwan region	23.5060N	121.3220E	237	
Hunish Island	HNSH	Yemen	13.6935N	42.7147E	80	From 2007-11-27
Hunter Liggett MR Jolon	V03C	California,U.S.A.	36.0214N	121.2356W	336	From 2005-02-23 to 2007-12-05
Huntington	339A	Texas,U.S.A.	31.3331N	94.5560W	82	From 2010-02-18
Huntoon Valley	HCK	Nevada,U.S.A.	38.0755N	118.5920W		
Huntoon Valley	HVL	Nevada,U.S.A.	39.1832N	118.5390W	1856	
Huntsville	M16A	Utah,U.S.A.	41.3146N	111.6298W	1872	From 2007-07-09 to 2009-04-21
Hunxe	BHXE	Nordrhein-Westfalen,Germany	51.6308N	6.8929E	159	
Hurbanovo	HRB	Slovakia	47.8736N	18.1928E	115	
Huron Fishing Bridge	PHBM	California,U.S.A.	36.2488N	120.0830W	100	
Hurricane	T14A	Utah,U.S.A.	37.0615N	113.0840W	1529	From 2007-01-28 to 2008-10-10
Hurricane	HUR	Alaska,U.S.A.	62.9778N	149.6360W	505	From 1971-08-01
Hurricane	HHS	Utah,U.S.A.	37.1738N	113.2957W	987	From 2008-05-15
Hurricane Hollow	HHT	Tennessee,U.S.A.	36.1711N	87.9014W	113	
Hurst Farm, Blanding	S18A	Utah,U.S.A.	37.6903N	109.9948W	2351	From 2007-06-25 to 2009-06-18
Husband	HUOR	Oregon,U.S.A.	44.1197N	121.8482W	2037	
Huson	D13A	Montana,U.S.A.	47.0943N	114.4587W	1000	From 2006-10-06 to 2009-07-17
Husum	HUSU	Sweden	63.3416N	19.2184E	100	From 2000-08-23
Huta Ginjang	HUTI	Sumatera,Indonesia	2.3153N	98.9711E	1600	
Hutch Mountain	HTCH	Arizona,U.S.A.	34.8060N	111.3940W	2559	
Huxley Gorge	HGP	South Island,New Zealand	44.1025S	169.8440E	590	From 1975-06-01 to 1983-11-21
Huzimizaka	HZA	Nagano,Japan	36.3992N	138.5411E	2232	
Hvannstoosfjoll	IHVA	Iceland	64.9550N	15.8690W	695	From 2004-12-29
Hvar	HVAR	Croatia	43.1780N	16.4490E	189	From 1986-10-01
Hveravellir	IHVE	Iceland	64.8700N	19.5670W	640	From 1996-08-30
Hwalien	HWA	Taiwan region	23.9770N	121.6050E	16	
Hwange	HWZ	Zimbabwe	18.3302S	26.5034E	0	
Hyde Park	HDU	Utah,U.S.A.	41.8044N	111.7650W	1853	From 1975-03-01
Hyderabad	HYB	Andhra Pradesh,India	17.4169N	78.5531E	510	From 1967-12-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Hyderabad	HYD	Andhra Pradesh,India	17.4333N	78.4500E	528	
Hyderabad (broadband)	HYBB	Andhra Pradesh,India	17.4187N	78.5520E	522	From 2008-09-15
Hylton High School	PPHYL	District of Columbia,U.S.A.	38.6500N	77.3800W	112	
Hysham	HY-	Montana,U.S.A.	45.9728N	107.0817W	975	From 1964-11-30 to 1965-09-19
Hysham	HY-MA	Montana,U.S.A.	45.9728N	107.0817W	975	From 1964-11-30 to 1965-09-19
Iasi	IAS	Romania	47.1933N	27.5617E	160	From 1951-12-10
Ibarra	IBAR	Ecuador	0.2871N	78.1065W	2360	
Ibbenburen	IBBN	Nordrhein-Westfalen,Germany	52.3072N	7.7566E	137	
Ibiza	EIBI	Balearic Islands,Spain	39.0269N	1.3436E	260	
Ibuki Yama	IBU	Shiga,Japan	35.3783N	136.3770E	30	
Ica	ICA	Peru	14.0750S	75.7250W	500	
Ice Cap	IC-GL	Greenland	77.9467N	39.1833W	2365	From 1966-07-06 to 1967-08-28
Ice Cap	IC-	Greenland	77.9467N	39.1833W	2365	From 1966-07-06 to 1967-08-28
Icheon	KSICN	South Korea	37.2907N	127.4167E	164	From 2003-11-28
Ichihara	ICH	Chiba,Japan	35.4009N	140.1768E	-146	
Ichinomiya	INMK	Tokushima,Japan	34.0284N	134.4663E	50	
Ichinoseki	JMK	Iwate,Japan	38.9518N	141.2198E	70	
Ichiyama	ICY	Yamanashi,Japan	34.9033N	138.9333E	210	
Icod de los Vinos	CICO	Canary Islands,Spain	28.3490N	16.7241W	785	From 2004-05-13
Idaho Array	IDA	Idaho,U.S.A.	43.7867N	113.0220W	1524	
Idaho Array 1	ID1	Idaho,U.S.A.	43.6200N	113.3280W	1638	
Idaho Array 2	ID2	Idaho,U.S.A.	43.5283N	112.8370W	1521	
Idaho Array 3	ID3	Idaho,U.S.A.	43.8575N	112.7080W	1460	
Idaho Array 4	ID4	Idaho,U.S.A.	43.7250N	112.7970W	1478	
Idaho Array 5	ID5	Idaho,U.S.A.	43.8983N	113.6160W	1829	
Idaho Springs	ISCO	Colorado,U.S.A.	39.7997N	105.6134W	2743	From 1996-10-17
Ideyld Park	J03A	Oregon,U.S.A.	43.3717N	122.9646W	292	From 2005-12-15 to 2007-10-31
Idfu	HEDF	Egypt	25.0945N	33.1818E	186	
Idjevan	IDJZ	Armenia	40.8820N	45.1460E	700	
Idriss Premier	IDR	Morocco	34.1660N	4.7500W	217	From 1979-06-01
Iengra	IENR	Sakha,Russia	56.2238N	124.8571E	860	From 2004-07-10
Iera Moni Metamorfosis, Varipetro, Chania, Crete	IMMV	Crete,Greece	35.4606N	23.9811E	230	From 2010-07-16
Ierapetra Chania	FRMA	Crete,Greece	35.0144N	25.7334E	33	From 2006-12-01
Ifrane	IFR	Morocco	33.5169N	5.1269W	1630	From 1964-11-01
Igarata	IGAB	Sao Paulo,Brazil	23.2525S	46.1165W	677	
Iggoen	IGGU	Sweden	60.8730N	17.3160E	100	From 2000-03-27
Igitkin Island	GSIG	Alaska,U.S.A.	51.9864N	175.9250W	407	
Igloolik	IGL	Northwest Territories,Canada	69.3767N	81.8067W	38	From 1975-09-03
Igloolik	IGLN	Northwest Territories,Canada	69.3689N	81.8175W	43	
Igloolik, Nunavut	ILON	Northwest Territories,Canada	69.3712N	81.8242W	51	From 2005-08-23
Ignalina	IIGN	Lithuania	55.3503N	26.2225E	255	
Ignalina Nuclear	INPP	Lithuania	55.6056N	26.5667E	148	
Igoumenitsa	IGT	Greece	39.5325N	20.3325E	320	From 1989-04-01
Igron	IGR	Tajikistan	38.3000N	69.3000E	0	
Iguala	III	Guerrero,Mexico	18.3760N	99.4680W	1740	
Igualata	IGUA	Ecuador	1.4900S	78.6387W	4430	
Iheya	JIH	Ryukyu Islands,Japan	27.0348N	127.9670E	25	
Iida	IJDJ	Nagano,Japan	35.4800N	137.9120E	528	From 1978-03-01
Iida	IID	Nagano,Japan	35.5100N	137.8367E	484	
Iida	IIDJ	Nagano,Japan	35.4800N	137.9120E	528	From 1978-03-01
Iinan	INA	Mie,Japan	34.4463N	136.3750E	160	From 1965-07-01 to 1970-07-31
IISEE	IIS	Tokyo,Japan	35.7097N	139.6970E	25	
Iizuka	IZK	Fukuoka,Japan	33.6500N	130.7000E		
Iizume	IZMH	Aomori,Japan	40.8338N	140.4985E	30	
Ikemajima	JIKM	Ryukyu Islands,Japan	24.9237N	125.2477E	11	From 2010-02-01
Iki	JII	Nagasaki,Japan	33.7955N	129.7320E	70	
Ikuma	JNM	Shimane,Japan	35.4958N	133.0297E	20	
Ikusaka	IKJ	Nagano,Japan	36.4218N	137.9440E	500	From 1968-07-01 to 1970-03-15
Ilan	YLA	Taiwan region	24.7656N	121.7480E	7	From 1936-01-01
Ilan	ILA	Taiwan region	24.7656N	121.7479E	7	From 1936-01-01
Ile d'Oleron	OLEF	Poitou-Charentes,France	45.9445N	1.3488W	3	From 1994-12-06
Ile-Ife	OAUI	Togo	7.5230N	4.5219E	257	From 2007-11-01
Ilgaz	ILGA	Turkey	41.0521N	33.7165E	2069	From 2007-07-02
Ili	ILI	Kazakhstan	43.8600N	77.0320E	540	
Iliamna	ILIM	Alaska,U.S.A.	60.0802N	152.9590W	823	
Iliamna	ILM	Alaska,U.S.A.	60.1820N	152.8160W	550	From 1971-08-07
Iliamna Low South	ILS	Alaska,U.S.A.	59.9576N	153.0681W	1125	
Iliamna NE	INE	Alaska,U.S.A.	60.0608N	153.0620W	1585	From 1990-08-29
Iliamna NW	INW	Alaska,U.S.A.	60.0677N	153.1325W	1219	From 1990-08-29 to 1994-12-31
Iliamna South	IVS	Alaska,U.S.A.	60.0092N	153.0810W	2332	From 1990-08-29
Iliamna Volcano East	IVE	Alaska,U.S.A.	60.0169N	153.0163W	1173	From 1996-01-01
Iliamna West	ILW	Alaska,U.S.A.	60.0600N	153.1360W	1722	From 1994-10-01
ilic-Erzincan	ILIC	Turkey	39.4520N	38.5678E	1280	From 2008-12-25
Illapel	ILCH	Coquimbo,Chile	31.6358S	71.1694W	350	
Iloca	ILOC	Maule,Chile	34.9350S	72.1828W	7	
Iloilo	ILO	Panay,Philippines	10.7000N	122.5670E		
I.L. Ranch, Tuscararo	M10A	Nevada,U.S.A.	41.5220N	116.5396W	1687	From 2006-05-05 to 2008-08-18
Ilulissat	ILULI	Greenland	69.2121N	51.1048W	53	From 2009-07-14
Ilulissat, Greenland	ILUG	Greenland	69.2170N	51.1080W	45	From 2004-05-14
Ilw as Safayhah	ALWS	Saudi Arabia	29.3103N	35.0650E		
Imadeyama	IMAT	Iwate,Japan	39.1067N	141.7600E	519	
Imagane	IMG	Hiyama,Japan	42.3905N	140.1444E	90	
Imajo	IMJ	Fukui,Japan	35.7982N	136.3028E	240	
Imi Mikki	IMK	Morocco	30.5239N	9.6517W	60	From 1991-12-17
Imola, Italy	IMOL	Italy	44.3595N	11.7425E	-148	From 2010-08-10
Imperia	IMI	Italy	43.9105N	7.8932E	840	From 1983-01-01
Imperial Boulder Park	IBP	California,U.S.A.	32.6611N	116.0929W	879	
Imphal	IMP	Manipur,India	24.7833N	93.9333E	785	
Imsbach	IMS	Rheinland-Pfalz,Germany	49.5940N	7.9008E	350	
Imsil	KSIMS	South Korea	35.6055N	127.2859E	246	From 2000-12-06
In Amguel	IAA	Algeria	23.8222N	5.1750E		
INCERC-Sediu Central	INCR	Romania	44.4410N	26.1611E	88	From 2008-02-20
Inchbonnie	INZ	South Island	42.7245S	171.4441E	165	From 2011-01-26
Incheon	KSINC	South Korea	37.4776N	126.6240E	68	
Inch Island, Co Donegal	IDGL	Ireland	55.0730N	7.5100W	122	
Inchon	INC	South Korea	37.4833N	126.6330E	70	
Inchon	INCN	South Korea	37.4830N	126.6330E	420	
Incio	EINC	Spain	42.6600N	7.3500W	739	
Independence	IND	California,U.S.A.	39.4343N	120.2920W	2146	
Independ'e Ridge	RIDG	Alaska,U.S.A.	63.7407N	144.8417W	888	
India	UMI	India	25.5167N	92.7333E		
Indiana Array	IN2	Indiana,U.S.A.	39.9390N	86.7831W		From 1980-01-01 to 1996-12-31
Indiana Array	IN3	Indiana,U.S.A.	39.2653N	85.7854W		From 1980-01-01 to 1996-12-31
Indiana Array	IN4	Indiana,U.S.A.	39.5697N	84.9029W		From 1980-01-01 to 1996-12-31
Indiana Array	IN1	Indiana,U.S.A.	40.5420N	85.8936W		From 1980-01-01 to 1996-12-31
Indiana State University	ISU	Indiana,U.S.A.	39.4714N	87.4075W	148	
Indian Gallows	SVG	St Vincent,Saint Vincent and the Grenadines	13.2450N	61.2780W	46	
Indian Hill Lake	IHLN	Northwest Territories,Canada	63.3052N	110.8911W	417	
Indian Lake	ILKN	Yukon Territory,Canada	64.2241N	115.1293W	266	
Indian Meadow	IMW	Wyoming,U.S.A.	43.8970N	110.9390W	2646	
Indian Mountain	IMA2	Alaska,U.S.A.	66.0688N	153.6871W	1318	
Indian Mountain	IMA	Alaska,U.S.A.	66.0685N	153.6790W	1380	
Indian Mountain Array Beam Reference Point	IMAR	Alaska,U.S.A.	65.9835N	153.7491W	372	
Indian Mountain Array Site 1	IM01	Alaska,U.S.A.	65.9969N	153.7225W	360	
Indian Mountain Array Site 2	IM02	Alaska,U.S.A.	66.0005N	153.7971W	645	
Indian Mountain Array Site 3	IM3	Alaska,U.S.A.	65.9835N	153.7490W	372	From 1993-07-01
Indian Mountain Array Site 4	IM04	Alaska,U.S.A.	65.9745N	153.7828W	587	
Indian Mountain Array Site 5	IM05	Alaska,U.S.A.	65.9751N	153.7253W	450	
Indianola	INDN	Nebraska,U.S.A.	40.1925N	100.4000W	762	
Indian Ridge	IRO	Oregon,U.S.A.	44.0053N	122.2543W	1642	
Indian Springs Canyon	ICU	Utah,U.S.A.	37.1497N	113.9235W	1451	
Indian Valley	PIVM	California,U.S.A.	35.9065N	120.6820W	497	From 1975-09-24
Indio Hills	INDC	California,U.S.A.	33.8162N	116.2300W	354	
Indio Mountain, Van Horn	425A	Texas,U.S.A.	30.7862N	104.9857W	1337	From 2008-03-15 to 2010-02-06
INEL Research	IRCI	Idaho,U.S.A.	43.5153N	112.0333W	1442	From 1990-03-15
Infanta	INF	Luzon,Philippines	14.7500N	121.6467E	5	
Ingas	INGI	Bali,Indonesia	8.8183S	115.1450E	202	
Inge Lehmann	ILG	Greenland	77.9467N	39.1833W	2401	
Ingelmoor High School	NIHS	Washington,U.S.A.	47.7413N	122.2226W	137	From 2002-06-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ingram Canyon, Westley	S04C	California,U.S.A.	37.5049N	121.3278W	310	From 2004-12-20 to 2007-09-03
Ingram Point	VIPM	Oregon,U.S.A.	44.5082N	120.6190W	1731	
Ingram Ranch	ING	California,U.S.A.	32.9883N	115.3100W	2	From 1973-04-16 to 2010-04-28
INJE	KSIJA	South Korea	37.9867N	128.1111E	224	From 2006-12-30
Ink	IK-	Arkansas,U.S.A.	34.6194N	94.1025W	305	From 1962-11-10 to 1962-12-13
Ink	IK-AR	Arkansas,U.S.A.	34.6194N	94.1025W	305	From 1962-11-10 to 1962-12-13
Inkopah	IKP	California,U.S.A.	32.6501N	116.1095W	906	From 1972-11-08 to 2010-04-28
Innsbruck	IBK	Austria	47.2606N	11.3847E	580	From 1973-03-01
Innsbruck	INN	Austria	47.2667N	11.4000E	575	
Inspiration	INS	California,U.S.A.	33.9356N	116.1940W	1700	From 1974-04-01 to 2010-04-28
Institut Agronomique	IAG	Guadeloupe	16.0840N	61.6000W	250	
Institute	INSR	Kamchatskaya Oblast',Russia	53.0661N	158.6050E	175	
Instituto de Ingenieria, UNAM	IIM	Mexico D.F.,Mexico	19.3260N	99.1820W	2275	
Instituto de Meteorologia, Lisbon	INMG	Portugal	38.7743N	9.1257W	93	From 1993-02-01
Instituto Hidrografico de la Armada	IHA	Valparaiso,Chile	33.0258S	71.6411W	88	From 1988-01-01
Intevep	INTV	Venezuela	10.3878N	67.0514W	1594	From 2004-01-23
Introdacqua	INTR	Italy	42.0115N	13.9046E	924	From 2003-08-29
Inubo	INB	Chiba,Japan	35.7031N	140.8603E	32	
Inukjuak	INUQ	Quebec,Canada	58.4509N	78.1186W	12	From 2006-09-12
Inuvik	INK	Northwest Territories,Canada	68.3070N	133.5200W	40	From 1969-02-22
Inuyama	INU	Aichi,Japan	35.3488N	137.0170E	140	From 1966-06-01
Inveralochy	INV	New South Wales,Australia	34.9650S	149.6670E	650	From 1959-01-01 to 1983-06-14
Inveralochy	IVN	New South Wales,Australia	34.9667S	149.6670E	650	From 1972-08-09 to 1983-06-14
Inveralochy	IVY	New South Wales,Australia	34.9722S	149.7180E	650	From 1983-06-14
Invergeldie, Comrie	INVG	Scotland,United Kingdom	56.4273N	4.0452W	279	From 2010-07-10
Inverness	IVSM	Victoria,Australia	36.1338S	147.0681E	330	
Ione	IO-NV	Nevada,U.S.A.	38.5258N	117.6389W	1737	
Ione	IO-	Nevada,U.S.A.	38.5258N	117.6389W	1737	
Ipanguacu	IPA	Rio Grande do Norte,Brazil	5.6958S	36.8561W	65	From 1987-08-01
Ipeti	IPE	Panama	8.9772N	78.4933W	50	
Ipil	IPIL	Mindanao,Philippines	7.7880N	122.5710E	50	
Ipoh	IPM	Peninsular Malaysia,Malaysia	4.4795N	101.0255E	247	From 1979-05-26
Iquique	ICC	Tarapaca,Chile	20.2840S	70.0350W	950	
Iquique	IQQ	Tarapaca,Chile	20.2408S	70.1278W		From 1976-01-01
Ira	IVT	Vermont,U.S.A.	43.5221N	73.0533W	295	
Irabujima	JIRB	Ryukyu Islands,Japan	24.8282N	125.1728E	19	From 2010-02-01
Iran Long-Period Array	IR1	Iran	35.4160N	50.6890E	1347	From 1976-01-01
Iran Long-Period Array	IR2	Iran	35.6628N	50.8976E	1172	From 1976-01-01
Iran Long-Period Array	IR4	Iran	35.2387N	50.9012E	1373	From 1976-01-01
Iran Long-Period Array	IR6	Iran	35.4737N	50.4256E	1540	From 1976-01-01
Iran Long-Period Array	IR7	Iran	35.7028N	50.6089E	1305	From 1976-01-01
Iran Long-Period Array	IR5	Iran	35.2128N	50.5811E	1385	From 1976-01-01
Iran Long-Period Array	IR3	Iran	35.4761N	51.0238E	989	From 1976-01-01
Iranshahr	IRSH	Iran	27.2000N	60.7000E	0	
Irapuato, Guanajuato	IGIG	Guanajuato,Mexico	20.7531N	101.3278W	1809	
Irimote jima	IRI	Ryukyu Islands,Japan	24.3857N	123.7493E	9	From 1991-03-01
Iriomote-Funauki	IRIF	Ryukyu Islands,Japan	24.3348N	123.7300E	5	From 2004-03-04
Iris	IRS	California,U.S.A.	33.1908N	115.4290W	-10	
IRIS PASSCAL Instrument Center, Socorro	Y22D	New Mexico,U.S.A.	34.0739N	106.9210W	1436	From 2007-09-29
IRIS PASSCAL Instrument Center, Socorro	Y22C	New Mexico,U.S.A.	34.0741N	106.9211W	1436	From 2004-05-07 to 2007-09-28
Irkutsk	IRK	Irkutskaya Oblast',Russia	52.2431N	104.2711E	467	
Iron Canyon	IR2C	California,U.S.A.	34.3881N	118.3997W	562	
Iron Canyon	IRC	California,U.S.A.	34.3885N	118.4030W	533	From 1971-11-01 to 2010-04-28
Iron Mountain	IMU	Utah,U.S.A.	38.6331N	113.1580W	1832	From 1988-09-29
Iron Mountain Pumping Sta,Desert Center	IRM	California,U.S.A.	34.1600N	115.1500W	567	From 2004-04-01
Iron Mountains	IRN	California,U.S.A.	34.1600N	115.1840W	980	
Iron Peak	KIPM	California,U.S.A.	39.8087N	123.4810W	1367	
Isabella	ISA	California,U.S.A.	35.6628N	118.4740W	873	From 1954-01-06
Isangel	INH	Vanuatu	19.5472S	169.2730E	110	From 1970-06-10
Isanotski	ISTK	Alaska,U.S.A.	54.7321N	163.7063W	704	
Isanotski North	ISNN	Alaska,U.S.A.	54.8323N	163.7784W	466	
Ischia Osservatorio Casamicciola	IOCA	Italy	40.7468N	13.9014E	110	From 2011-02-09
Ise	ISE	Mie,Japan	34.4585N	136.7740E	440	From 1963-10-01
Ise	JIE	Mie,Japan	34.3917N	136.7067E	135	
Isfjord	ISF	Svalbard,Norway	78.0592N	13.6403E	5	
Ishigaki jima	ISI	Ryukyu Islands,Japan	24.3317N	124.1633E	6	
Ishigaki jima 2	JIJ	Ryukyu Islands,Japan	24.3635N	124.1428E	78	
Ishigakijimahirakubo	JISG	Ryukyu Islands,Japan	24.5870N	124.3107E	13	From 2010-02-01
Ishihara	IHR	Kochi,Japan	33.6879N	133.4710E	510	From 1967-04-01 to 1999-08-25
Ishii	ISIK	Tokushima,Japan	34.0573N	134.4581E	27	
Ishinomaki	ISN	Miyagi,Japan	38.4250N	141.3030E	44	
Ishipane	K05	Iwate,Japan	39.3822N	141.5139E	463	
Ishtion	ISH	Tajikistan	38.8333N	70.7833E	1880	
Isikli	IKL	Turkey	36.2386N	33.6853E	120	From 1988-01-01
Iskenderun	COBT	Turkey	36.5197N	36.2556E	1710	From 1994-02-17
Isla Aves	IAV	Venezuela	15.7000N	63.6000W	0	
Isla Barro Colorado	BCIP	Panama	9.1665N	79.8373W	61	
Isla Caja de Muertos, Puerto Rico	ICMP	Puerto Rico	17.8863N	66.5267W	9	From 2009-10-01
Isla Caja Muertos	ICM	Puerto Rico	17.8934N	66.5210W	7	
Isla de Alboran	ALR	Spain	35.9392N	3.0350W	10	From 1978-10-01 to 1999-08-25
Isla de la Plata	ISPT	Ecuador	1.2621S	81.0736W	190	From 2008-12-18
Isla del Cano	IDC	Costa Rica	8.7133N	83.8698W	10	From 1987-01-01
Isla del Coco	ICO	Costa Rica	5.5461N	87.0555W	25	
Isla de Pascua	PSC	Easter Island,Chile	27.1583S	109.4340W	50	From 1965-08-01 to 1999-08-25
Isla Desecheo	IDE	Puerto Rico	18.3864N	67.4741W	203	From 1977-02-15
Isla Fernandina	FERN	Galapagos,Ecuador	0.2667S	91.4450W	3	
Isla Guadalupe	IGM	Baja California,Mexico	28.8842N	118.2917W	65	
Isla Isabel II, Islas Chafarinas	CHAS	Morocco	35.1835N	2.4309W	86	From 2007-11-07 to 2009-04-12
Isla La Blanquilla	IBAV	Venezuela	11.8230N	64.5770W	100	From 2002-07-06
Isla La Orchila	ORCV	Venezuela	11.8120N	66.1940W	22	From 2003-01-15
Isla Las Cabras	ILCA	Chile	42.0606S	72.5367W	15	
Isla Los Monjes	IMOV	Venezuela	12.3590N	70.9020W	67	From 2003-10-10
Isla Los Testigos	ITEV	Venezuela	11.3550N	63.1320W	13	From 2002-07-10
Isla Mona	IMO	Puerto Rico	18.1095N	67.9081W	3	From 1977-02-15
Isla Mona	IMOB	Puerto Rico	18.0500N	67.8700W	93	
Isla Mona	IMR	Puerto Rico	18.0884N	67.8463W	55	From 1975-11-14 to 1977-01-10
Island Lagoon	ILN	South Australia,Australia	31.3931S	136.8700E	137	
Isla Saona	SAON	Dominican Republic	18.1833N	68.7667W	0	
Islas Juan Fernandez	IJF	Juan Fernandez Islands,Chile	33.6167S	78.8333W	6	
Islas Marias	IMM	Nayarit,Mexico	21.6200N	106.5800W		
Isla Socorro	SRR	Colima,Mexico	18.7254N	110.9524W	60	From 1974-01-01
Isla Socorro	H06N	Colima	18.8600N	110.9900W	10	
Isle de Caille	GRIC	Grenada	12.2856N	61.5858W	46	From 2003-05-23
Isle of Man	WIM	Isle of Man,United Kingdom	54.1472N	4.6735W	365	From 1985-01-01
Isle of Wight	SIW	England,United Kingdom	50.6711N	1.3747W	162	
Ismay	E23A	Montana,U.S.A.	46.4978N	105.3062W	750	From 2008-10-30
Ismayilli	IML	Azerbaijan	40.7930N	48.1820E	728	From 2003-03-29
Ismayilli	ISM	Azerbaijan	40.8060N	48.2100E	926	From 1982-01-01 to 2003-01-01
Ismayilll	ISL	Azerbaijan	40.8100N	48.1700E	755	From 2003-01-01
Isoka	IKZ	Zambia	10.1713S	32.6460E	1350	From 1984-01-01
Isola	ISO	Provence-Cote d'Azur,France	44.1833N	7.0500E	876	From 1960-01-01
Isola di Gorgona	GROG	Italy	43.4262N	9.8920E	118	From 2005-08-03
Isola Di Gorgona	GORG	Italy	43.4276N	9.8946E	228	From 2003-09-30
Isola di Marettimo	IMT	Sicily,Italy	37.9567N	12.0783E		
Isola Levanzo	LV9	Sicily,Italy	37.9856N	12.3374E	20	
Isola Levanzo	LVI	Sicily,Italy	37.9861N	12.3389E	30	
Isortoq, Greenland	ISOG	Greenland	65.5480N	38.9757W	12	From 2007-07-24
Isparta	ISP	Turkey	37.8226N	30.5221E	1100	
Issarbe	ISSF	Aquitaine,France	43.0278N	0.7953W	1210	
Istanbul	IST	Turkey	41.0456N	28.9958E	50	From 1962-02-20 to 1989-01-02
Istanbul	IST1	Turkey	41.0433N	28.9850E	65	
Istanbul	ITU	Turkey	41.1062N	29.0148E	98	From 1989-01-02
Istanbul-Kandilli	ISK	Turkey	41.0656N	29.0592E	132	From 1935-01-01
Istric ta	ISRF	Romania	45.1186N	26.5433E	763	
Istrita	ISR	Romania	45.1188N	26.5431E	750	From 1977-03-01
ISUMI INFRASONIC ARRAY REFERENCE POINT	I30JP	Chiba	35.3078N	140.3138E	52	From 2005-02-28
Itadori	ITD	Gifu,Japan	35.7238N	136.7804E	390	
Itaipu	ITB	Parana,Brazil	24.7936S	54.2089W	300	
Itaipu 1	ITB1	Parana,Brazil	24.6467S	54.3886W		From 1983-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Itaipu 7	ITB7	Parana,Brazil	25.1222S	54.1753W	400	
Itaka	ITKT	,United Republic of Tanzania	8.8728S	32.7830E	1590	From 1992-06-14
Italian Canyon	ICI	Idaho,U.S.A.	44.3293N	112.9410W	2463	From 1992-01-01
Itanagar	INR	Arunachal Pradesh,India	27.0800N	93.6000E		From 1981-05-01
Itaparica	ITR	Pernambuco,Brazil	8.7614S	38.4233W	321	
Itatiaia	ITA	Rio de Janeiro,Brazil	22.3756S	44.7017W	2530	
Itaya	JFI	Fukuoka,Japan	33.4272N	130.3883E	660	
Itezhi-Tezhi	ITZ	Zambia	15.7697S	26.0361E	1106	From 1984-01-01
Ithaca	INY	New York,U.S.A.	42.4438N	76.4836W	238	From 1972-08-05
Ithaca	ITH	New York,U.S.A.	42.4500N	76.4833W	243	From 1909-01-01 to 1999-08-25
Ithomi	ITHO	Greece	37.1786N	21.9252E	400	
Ithomi	ITM	Greece	37.1797N	21.9267E	400	From 1974-10-01
Ito	ITO	Shizuoka,Japan	34.9667N	139.1000E		From 1937-06-01 to 1949-09-30
Itoigawa	ITGE	Niigata,Japan	37.0082N	137.9992E	270	
Itoiz	IPRE	Spain	42.8058N	1.3564W	530	From 2005-05-18
Itumba	ITBT	,United Republic of Tanzania	9.4287S	33.1858E	1270	From 1992-06-15
Itzapa	ITG	Guatemala	14.5968N	90.8455W	2320	From 1984-07-01
Iul'tin	ILT	Magadanskaya Oblast',Russia	67.8700N	178.7300W	244	
Ivanjica	IVAS	Serbia	43.5764N	20.1524E	811	From 2008-10-22
Ivanof Bay	IVF	Alaska,U.S.A.	55.8958N	159.5300W	275	
IVIC	IVIV	Venezuela	10.4038N	66.9743W	2375	From 2004-02-17
Ivigtut	IVI	Greenland	61.2000N	48.1833W	20	
Ivujivik	IVKQ	Quebec,Canada	62.4184N	77.9113W	7	From 2006-09-16
Iwai-Kita	IWJ	Chiba,Japan	35.0981N	139.8714E	0	
Iwaki	IWK	Fukushima,Japan	37.0000N	140.9490E	35	
Iwakimizuishiyama	ONAJ	Fukushima,Japan	37.1017N	140.7983E	650	From 2002-03-28
Iwanai	IWN	Hokkaido,Japan	42.6705N	143.0462E	235	From 1976-07-01
Iwaosan	IWO	Mie,Japan	34.8825N	136.1322E	400	
Iwasaki	JIW	Aomori,Japan	40.5928N	140.0070E	330	
Iwatsuki	IWT	Saitama,Japan	35.9258N	139.7381E	-3501	
Iwo jima	YUO	Bonin Islands,Japan	24.7833N	141.3170E		
Ixhuatan	IHC	Chiapas,Mexico	17.2906N	93.0083W		
Ixpaco	IXG	Guatemala	14.1743N	90.4545W	1420	From 1984-10-01
Ixtacomitan	IXC	Chiapas,Mexico	17.4272N	93.1008W		
Ixtapalapa	IXT	Mexico D.F.,Mexico	19.4000N	99.1000W		
Iza	SRO1	Slovakia	47.7622N	18.2328E	111	From 2004-09-25
Izee	I07A	Oregon,U.S.A.	44.0820N	119.5042W	1293	From 2006-07-21 to 2009-01-08
Izmir	IZM	Turkey	38.3978N	27.2625E	632	From 1973-03-18
Izmir	URLA	Turkey	38.3602N	26.5955E	495	From 2005-05-03
Iznik	IZI	Turkey	40.3368N	29.4728E	910	From 1990-01-01
Iznik	IZN	Turkey	40.4338N	29.7605E	195	From 1978-11-01 to 1999-08-25
Izon-la-Bruisse	OG28	Rhone-Alpes,France	44.2582N	5.5975E	1040	From 1991-07-18
Izuhara	IZU	Nagasaki,Japan	34.1950N	129.2933E	18	
Izuhara	IZUJ	Nagasaki,Japan	34.1950N	129.2930E	3	From 1991-09-01
Izuhara 2	IZU2	Nagasaki,Japan	34.2273N	129.2733E	410	From 1991-02-26 to 2002-10-23
Izumi	IZT	Hyogo,Japan	34.9722N	134.8876E	230	
Izumi	JIU	Kumamoto,Japan	32.5733N	130.7933E	230	
Izumi 2	JIU2	Kumamoto,Japan	32.5453N	130.8145E	260	
Izumozaki	JIZZ	Niigata,Japan	37.5317N	138.7095E	40	
Izushimoda	JIZS	Shizuoka,Japan	34.7178N	138.8782E	135	
Jabal Ad Dan - Dhamar Gov. - Yemen	ADDN	Yemen	14.3530N	43.8500E	2598	From 1997-01-20
Jabal al Asfar	ASF	Jordan	32.1723N	36.8972E	937	
Jabal al Khashab	KHB	Egypt	29.9280N	30.9750E	265	
Jabal al Moallq	JMOS	Saudi Arabia	29.1686N	35.1094E		
Jabal at Tayr	GTR	Egypt	25.5096N	30.5595E	155	
Jabal bu Thady	BTHT	Tunisia	35.1323N	10.2852E	240	
Jabal Farasan	FRJS	Saudi Arabia	22.5905N	39.3638E		
Jabal Katrina	HKAT	Egypt	28.5229N	33.9928E	1729	
Jabal Laban	LBNS	Saudi Arabia	21.0465N	39.9013E		
Jabal Madar	JMDO	Oman	22.3701N	58.1035E	350	From 2001-07-01
Jabal Masmas	HMSM	Egypt	22.8814N	31.8890E	375	
Jabal Moqyreh	JMQS	Saudi Arabia	28.8861N	35.8778E		
Jabalpur	JBP	Madhya Pradesh,India	23.1667N	79.9833E	0	
Jackboy Hill	MJHT	Montserrat	16.7672N	62.1698W	149	
Jackerath	JCK	Nordrhein-Westfalen,Germany	51.0350N	6.4309E	-240	From 1981-01-01
Jackman	JKM	Maine,U.S.A.	45.6555N	70.2426W	378	
Jack Peak	JPK	Alaska,U.S.A.	61.0552N	146.5978W	835	
Jackson	G14A	Montana,U.S.A.	45.2432N	113.4604W	2140	From 2006-11-10 to 2009-06-10
Jackson	JS-	Tennessee,U.S.A.	35.6556N	88.6128W	152	From 1961-12-11 to 1962-06-28
Jackson	JS-TN	Tennessee,U.S.A.	35.6556N	88.6128W	152	From 1961-12-11 to 1962-06-28
Jackson Bay	JCZ	South Island,New Zealand	44.0750S	168.7583E	1072	From 2004-06-22
Jackson Lake Dam	JLDW	Wyoming,U.S.A.	43.8562N	110.5873W	2074	
Jacksonville	JAC	Florida,U.S.A.	30.4167N	81.6500W	9	From 1950-01-01 to 1956-12-31
Jacksonville	238A	Texas,U.S.A.	32.0034N	95.1203W	126	From 2010-02-22
Jacmel	JAKH	Haiti	18.2377N	72.5180W	47	
Jacoby Creek	JCC	California,U.S.A.	40.8175N	124.0296W	27	
Jacura	JACV	Venezuela	11.0880N	68.8300W	349	From 2002-10-30
Jaen	EXJA	Spain	37.7720N	3.7890W	549	
Jaguaretama	CS6B	Ceara,Brazil	5.4945S	38.6708W	112	From 2003-10-03 to 2005-06-16
Jahan bin	JHBN	Iran	32.2312N	50.6657E	2657	From 2011-01-01
Jahrom	JHRM	Iran	28.5053N	53.5771E	1019	From 2011-01-17
Jahuel	JACH	Aconcagua,Chile	32.6819S	70.5929W	1075	
Jaisalmer	JASL	Rajasthan,India	26.9243N	70.9030E	223	From 2002-01-18
Jajag, Banyuwangi	JAGI	Jawa,Indonesia	8.4702S	114.1521E	171	From 2008-07-21
Jakarta	DJA	Jawa,Indonesia	6.1833S	106.8362E	8	
Jalalah	GLL	Egypt	29.5772N	31.7081E	519	
Jama	JAMA	Ecuador	0.2612S	80.2058W	680	From 1992-02-05
Jamag	JMAG	Xizang Zizhiqu,China	29.6880N	91.6694E	4160	From 2004-06-14
JAMBI	JMBI	Jawa,Indonesia	1.6335S	103.6417E	0	From 2005-01-01
James Farms, Milford	R14A	Utah,U.S.A.	38.2987N	113.0213W	1542	From 2007-02-27 to 2008-09-18
Jamestown	JAS	California,U.S.A.	37.9466N	120.4393W	428	From 1964-01-01 to 1984-06-30
Jamestown	JAS1	California,U.S.A.	37.9267N	120.4210W	398	From 1984-07-03 to 1986-11-06
Jammu	JMU	Jammu and Kashmir,India	32.7167N	74.9000E		
Jandula	JAND	Spain	38.2200N	3.9700W	645	From 2006-05-01
Jangheung	KSJAH	South Korea	34.6847N	126.9196E	0	From 2000-12-08
Jangsu	KSJAS	South Korea	35.6569N	127.5203E	407	From 2002-10-21
Janina	JAN	Greece	39.6567N	20.8508E	540	
Jan Mayen	JMIC	Norway	70.9866N	8.5052W	158	
Jan Mayen	JMI	Jan Mayen Island,Norway	70.9283N	8.7308W	50	From 1996-01-18
Jan Mayen East	JNE	Jan Mayen Island,Norway	70.9900N	8.2970W	57	From 1996-01-18
Jan Mayen West	JNW	Jan Mayen Island,Norway	71.0290N	8.4280W	95	From 1996-01-18
Jaout	JAU	Aquitaine,France	43.0380N	0.3693W	1545	
Jarabacoa	DR07	Dominican Republic	19.0856N	70.5981W	1030	
Jarash	JARJ	Jordan	32.2375N	35.9461E	840	From 1984-10-01
Jardin	JDN	Chiapas,Mexico	17.1650N	92.5000W	920	
Jarrell	435A	Texas,U.S.A.	30.7830N	97.5851W	247	From 2009-11-11 to 2010-01-15
Jarrell	435B	Texas,U.S.A.	30.7827N	97.5850W	248	From 2010-01-15
Jasper	JP-AT	Alberta,Canada	52.8972N	118.0903W	1128	
Jasper	JA-	Minnesota,U.S.A.	43.8900N	96.3214W	518	
Jasper	JA-MN	Minnesota,U.S.A.	43.8900N	96.3214W	518	
Jasper	JP-	Alberta,Canada	52.8972N	118.0903W	1128	
Jasper Ridge	JRSC	California,U.S.A.	37.4037N	122.2387W	70	From 1994-06-30
Jatai	JATB	Goias,Brazil	17.8929S	51.4929W	819	From 2004-01-07 to 2006-08-09
Jatiwangi	JCJI	Jawa,Indonesia	6.4900S	108.2700E	0	
Jato	JAT	Guatemala	14.3180N	91.6367W	68	From 1979-11-01
J.Aulia	JAWL	Sudan	15.2340N	32.4820E	426	From 2003-11-01
Jausiers	JAUF	Provence-Cote d'Azur,France	44.4292N	6.7500E	1585	From 1990-09-12
Javornik	JAVS	Slovenia	45.8934N	14.0643E	1100	From 2004-01-01
Jaww	BJA	Bahrain	25.9917N	50.6083E		
Jayapura	JAY	Irian Jaya,Indonesia	2.5148S	140.7047E	400	From 1973-04-01
Jazzator, Altay Republic, Russia	DGZ	Altayskiy Kray	49.7005N	87.4316E	1606	From 2003-08-20
Jbel Babet	JBB	Morocco	35.0130N	4.1980W	1230	From 1994-08-10
Jbel Lahdid	JHA	Morocco	31.7360N	9.4540W	725	
Jbel Ouklim	JOK	Morocco	31.4060N	5.5650W	1669	
J-C Ranch, Comstock	530A	Texas,U.S.A.	30.1489N	101.3379W	636	From 2009-02-24
Jecheon	KSJEC	South Korea	37.1538N	128.1912E	263	From 2000-11-20
Jeeralang Junction	JENM	Victoria,Australia	38.3507S	146.4197E	330	
Jefferson	P23A	Colorado,U.S.A.	39.3741N	105.8388W	3006	From 2008-06-24
Jefferson College	JCMO	Illinois,U.S.A.	38.2575N	90.5585W	237	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Jehonathan	JNI	Israel	32.9500N	35.8270E	500	
Jehsanih	JEHI	Bali,Indonesia	8.0833S	115.2130E	60	
Jeju	KSJJU	South Korea	33.4306N	126.5463E	542	From 2003-12-03
Jena	JEN	Thuringen,Germany	50.9519N	11.5833E	193	
Jena	JE-LA	Louisiana,U.S.A.	31.7847N	92.0153W	46	From 1964-02-06 to 1967-01-16
Jena (USA)	JE-	Louisiana,U.S.A.	31.7847N	92.0153W	46	From 1964-02-06 to 1967-01-16
Jenkinsville	JSC	South Carolina,U.S.A.	34.2817N	81.2603W	120	
Jenolan Black	JBRM	New South Wales,Australia	33.7618S	150.0486E	1235	
Jenolan Caves	JNL	New South Wales,Australia	33.8257S	150.0219E	829	From 1959-01-01
Jensen Ranch, Palermo	B26A	North Dakota,U.S.A.	48.3762N	102.2341W	708	From 2009-07-29
Jenson Cabin	JECI	Idaho,U.S.A.	44.3722N	114.1840W	2135	From 1983-12-01
Jeongeup	KSJEU	South Korea	35.4935N	126.9298E	182	From 2003-11-26
JEONGSEON	KSJES	South Korea	37.4303N	128.6654E	414	From 2006-12-30
Jeonju	KSCHO	South Korea	35.8178N	127.1542E	53	From 1999-05-18
Jeonju	KSJEO	South Korea	35.9379N	127.2928E	176	From 2007-12-12
Jerez de los Caballeros, Badajoz	E028	Spain	38.3553N	6.8073W	602	From 2007-09-13 to 2009-06-18
Jeri Cho Mine, NWT	JERN	Northwest Territories,Canada	66.0194N	111.4672W	476	From 2006-07-21 to 2010-07-20
Jermuk	DZR	Armenia	39.8800N	45.7000E	2115	
Jerome	JR-AZ	Arizona,U.S.A.	34.8256N	111.9903W	1311	From 1964-03-30 to 1965-10-04
Jerome	JR-	Arizona,U.S.A.	34.8256N	111.9903W	1311	From 1964-03-30 to 1965-10-04
Jersey	JRS	Channel Islands,United Kingdom	49.1924N	2.0917W	53	From 1981-11-01
Jersey	VJYM	Oregon,U.S.A.	44.9022N	120.9740W	951	
Jersey Dam (Crest)	JDC	Channel Islands,United Kingdom	49.1847N	2.0469W	39	From 1992-07-01
Jersey Dam (Gallery)	JDG	Channel Islands,United Kingdom	49.1947N	2.0469W	7	From 1992-07-01
Jerusalem	JER	Israel	31.7719N	35.1972E	770	From 1954-01-01
Jesolo	IESO	Italy	45.5200N	12.5500E	0	
Jette	JTMT	Montana,U.S.A.	47.7467N	114.2825W	1469	
Jewell Farm	JFWS	Wisconsin,U.S.A.	42.9143N	90.2481W	335	From 1992-07-29
Jhansi	JHNI	Uttar Pradesh,India	25.4658N	78.5395E	250	
Jiali	SCLT	Taiwan region	23.1750N	120.1940E	7	
Jian Township	EGA	Taiwan region	23.9730N	121.5630E	37	From 1998-08-07
Jiashian	SGST	Taiwan region	23.0820N	120.5830E	278	
Jicamarca	PT05	Peru	11.9548S	76.8693W	700	
Jicaral	JCR	Costa Rica	9.8498N	85.1118W	575	
Jichi Village	TEGC	Taiwan region	23.7090N	121.5400E	5	From 1999-08-04
Jilotepec	JIL	Veracruz,Mexico	19.6307N	96.9333W	1330	
Jimani	JIDR	Dominican Republic	18.4910N	71.8507W	13	From 2010-01-22
Jim Creek	JCW	Washington,U.S.A.	48.1935N	121.9300W	616	
Jimena Frontera	EJIF	Spain	36.4513N	5.4688W	260	From 1988-05-20
Jimena Frontera	EJIM	Spain	36.4514N	5.4689W	260	From 1987-04-01 to 1988-05-19
Jim Sage Mountain	JSM	Idaho,U.S.A.	42.1313N	113.3825W	1524	
Jindabyne	JIN	New South Wales,Australia	36.4394S	148.5930E	960	From 1958-01-01 to 1972-08-09
Jindo	KSJDO	South Korea	34.4700N	126.3166E	477	From 2007-12-13
Jindrichovice	JIND	Czech Republic	50.2621N	12.6168E	722	
Jinju	KSJIN	South Korea	35.1615N	128.0301E	72	From 2005-12-16
Jinju	KSCHI	South Korea	35.2032N	128.1194E	21	From 1999-05-16
Jinotega	JIG	Nicaragua	13.2012N	85.7708W	1249	From 1975-01-01
Jiouru	SGLT	Taiwan region	22.7250N	120.4910E	30	
Jiquilpan	JQX	Baja California,Mexico	32.5080N	115.0710W	5	
Jiri	JIRN	Nepal	27.6600N	86.1900E	3064	From 1994-04-01
Jizan	JAZS	Saudi Arabia	17.0684N	42.9174E	173	
Jizan	JIZN	Saudi Arabia	16.9590N	42.8250E	100	From 1989-02-01
JLa Parita Creek, ourdanton	734A	Texas,U.S.A.	28.8473N	98.5576W	121	From 2009-12-02
Joaquin Canyon North	JCNB	California,U.S.A.	35.9390N	120.4311W	309	
Joaquin Canyon South	JCSB	California,U.S.A.	35.9212N	120.4340W	299	
Joaquin Lookout	JOAQ	New Mexico,U.S.A.	35.7708N	106.8410W	2768	From 1978-11-11
Joaquin Road	JJRM	California,U.S.A.	37.3447N	122.2010W	430	
Jocassee View	JVW	South Carolina,U.S.A.	34.9923N	82.9977W	554	
Jochberg	RJOB	Bayern,Germany	47.7372N	12.7957E	860	From 2001-05-15
Jocotitlan	IIJ	Mexico:State,Mexico	19.7340N	99.7340W	3900	
Jocotitlan	JCM	Mexico D.F.,Mexico	19.7342N	99.7611W		From 1988-01-01
Joensuu	JOE	Finland	62.6517N	29.6950E	90	
Joensuu	JOF	Finland	62.9182N	31.3124E	180	From 1981-09-29
Johannesberg	BPI	Transvaal,South Africa	26.1750S	28.0300E	1700	
Johannesburg	JOH	Transvaal,South Africa	26.1817S	28.0750E	1806	
John Jarvie Ranch (BLM), Flaming Gorge	N19A	Utah,U.S.A.	40.8936N	109.1772W	1703	From 2007-08-18 to 2009-04-24
Johnnie	JON	Nevada,U.S.A.	36.4399N	116.1033W	939	From 1978-07-24 to 2002-12-10
Johnny Jack Ridge	KJJM	California,U.S.A.	40.2477N	124.3070W	725	
John's Creek	JCE1	Oklahoma,U.S.A.	35.5812N	97.9003W	413	
John Smith Road	HJSM	California,U.S.A.	36.8165N	121.2990W	215	From 1975-06-01
Johnson	JHN	Nebraska,U.S.A.	40.4469N	96.0175W	329	From 1978-12-01 to 2001-07-15
Johnson Can.	AN15*	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Can.	BJCM	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Canyon	JHC	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Ranch, Cut Bank	A15A	Montana,U.S.A.	48.9777N	112.7327W	1236	From 2007-09-13 to 2009-08-13
Johns Peak	WJPM	California,U.S.A.	35.4109N	118.4820W	1090	
John Stanford Center Downhole Anss-SM	SSS1	Washington,U.S.A.	47.5818N	122.3311W	-20	From 2004-10-24
Johnston I.	JN-	Line Islands,Kiribati	16.7339N	169.5281W	3	From 1962-03-31 to 1962-08-02
Johnston Island	JN-IS	Johnston Island	16.7339N	169.5281W	3	From 1962-03-31 to 1962-08-02
Johnston Island	JOHN	Johnston Island	16.7329N	169.5292W	-36	
Jolan Road	PJLM	California,U.S.A.	36.0898N	121.1560W	290	
Jolon Road	PJRM	California,U.S.A.	36.0837N	121.1690W	336	From 1969-06-18
Jolon Road	JOL	California,U.S.A.	36.0837N	121.1690W	336	From 1969-06-18
Jones Farm, Ritzville	D09A	Washington,U.S.A.	47.0615N	118.3092W	540	From 2006-08-29 to 2008-06-10
Jones High Sch.	OK001	Oklahoma,U.S.A.	35.5611N	97.2895W	350	
Jones Ranch, Declo	K14A	Idaho,U.S.A.	42.5452N	113.1760W	1387	From 2006-12-28 to 2009-05-07
Joppolo	JOPP	Italy	38.6068N	15.8856E	500	From 2006-08-07
Jordan	JO-	Minnesota,U.S.A.	44.7069N	93.5083W	290	From 1962-07-13 to 1962-07-30
Jordan	GUIM	Panay,Philippines	10.6260N	122.5890E	50	
Jordan	JO-MN	Minnesota,U.S.A.	44.7069N	93.5083W	290	From 1962-07-13 to 1962-07-30
Jordan Butte	JBO	Oregon,U.S.A.	45.4616N	119.8370W	645	From 1982-09-01
Jordanelle	JLU	Utah,U.S.A.	40.6019N	111.4499W	2285	From 1981-09-28
Jordan Ranch	JRTX	Texas,U.S.A.	32.9340N	100.9530W	804	From 1979-01-01
Jordan River	JRBB	British Columbia,Canada	48.4300N	123.0522W	24	From 2008-05-13
Jordan Valley	JVI	Israel	31.9380N	35.3390E	680	From 1986-07-17
Jorden Valley SMO	JORV	Oregon,U.S.A.	42.9777N	117.0537W	1338	From 2004-07-01
Jorhat	JHI	Assam,India	26.7333N	94.1667E	84	From 1979-01-01
Joseph F. Staten	JFS	California,U.S.A.	35.3508N	117.6700W	1433	From 1979-06-01
Joseph's Coat	YJC	Wyoming,U.S.A.	44.7555N	110.3492W	2684	
Joshimath	JOSI	India	30.5558N	79.5582E	1889	From 2002-04-09
Joshua Ridge West	JRWM	California,U.S.A.	35.9943N	117.8215W	1366	
Joshua Tree	NYJ	Nevada,U.S.A.	37.0080N	115.9750W	1286	From 1971-01-01 to 1973-01-31
Joshua Tree Park	JTR	California,U.S.A.	33.8140N	115.9002W	1372	
Josvafo	JOS	Hungary	48.4958N	20.5394E	280	
Jouge	JJG	Hiroshima,Japan	34.6412N	133.1543E	470	
Jozini	JOZ	Natal,South Africa	27.4450S	32.0783E	244	From 1976-07-01 to 1999-08-25
J Risha	RSHJ	Jordan	30.2610N	35.2330E	357	From 1989-12-15
J Risha	JRSJ	Jordan	30.2610N	35.2330E	357	From 1989-12-15
J. Sargeant Reynolds Community College	JSRW	Virginia,U.S.A.	37.6938N	77.8786W	67	
J Saunders Place	SNDA	California,U.S.A.	33.5519N	116.6129W	1358	
Jston Ridge Obs	JRO	Washington,U.S.A.	46.2751N	122.2178W	1280	
Juana Nunez	DR1	Dominican Republic	19.3114N	70.6961W		
Juana Nunez	DR01	Dominican Republic	19.3114N	70.6961W	505	
Juan Diaz	JUD	Costa Rica	10.1620N	85.5470W	844	From 1984-11-01
Juan Diaz 2	JUD2	Costa Rica	10.1670N	85.5412W	680	
Jubany	JUBA	South Shetland Islands	62.2373S	58.6627W	16	
Jud	E30A	North Dakota,U.S.A.	46.5021N	98.9098W	544	From 2009-08-20
Judd Hill Plantation	JHP	Arkansas,U.S.A.	35.6050N	90.5100W	68	
Jufra	LJFR	Libya	29.1018N	15.8128E	351	
Jug	JUM	New Mexico,U.S.A.	35.9050N	106.6680W	2400	
Jugenheim	JUG	Hessen,Germany	49.7667N	8.6000E		
Juive	JUI6	Ecuador	1.4244S	78.4686W	2422	From 2007-07-13
Juive	JUIV	Ecuador	1.4238S	78.4647W	2380	From 1992-02-04
Juive 3	JUI3	Ecuador	1.4218S	78.4767W	2425	
Juiz de Fora	JFO	Minas Gerais,Brazil	21.7277S	43.3254W	780	From 1990-08-01
Jujurieux	OG05	Franche Comte,France	46.0405N	5.4583E	400	
Jujuy	JUJ	Jujuy,Argentina	24.2458S	65.2728W	1270	
Julian	JULC	California,U.S.A.	33.0483N	116.6130W	1292	From 1978-04-01
Julich	JUE	Nordrhein-Westfalen,Germany	50.9100N	6.4070E	91	From 1974-11-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Jumaytepeque	JMG	Guatemala	14.3387N	90.2703W	1815	From 1979-05-01
Jumilla	EXJU	Spain	38.4750N	1.3160W	520	
Jumunjin	KSJMJ	South Korea	37.8816N	128.7561E	75	From 2008-01-01
Junction	R15A	Utah,U.S.A.	38.2108N	112.2767W	1861	From 2007-05-21 to 2009-03-11
Junction City	JCT	Texas,U.S.A.	30.4794N	99.8022W	591	From 1965-03-01
Juneau Island	JIS	Alaska,U.S.A.	58.2762N	134.3831W	10	From 1995-04-18
June Lake	JLK	Washington,U.S.A.	46.1467N	122.1530W	1049	
Jungingen	JUND	Baden-Wurttemberg,Germany	48.3301N	9.0408E	600	From 1976-01-01
Jungrangju	KSJUR	South Korea	37.6136N	127.0886E	56	From 2007-01-01
Juni	PT11	Peru	11.5490S	75.7150W	4480	From 1983-09-21
Juniper Basin Ranch, Riddle	L10A	Idaho,U.S.A.	42.0773N	116.4711W	1537	From 2007-01-10 to 2008-08-16
Juniper Gulch	JGI	Idaho,U.S.A.	44.0925N	112.6770W	1657	From 1979-11-06
Juniper Hills	JNH	California,U.S.A.	34.4475N	117.9540W	1317	From 1977-11-01
Juniper Island	ISLE	Alaska,U.S.A.	60.6025N	142.3391W	1485	
Junjel	JNJ	Guatemala	15.3988N	91.4287W	3348	From 1980-01-01 to 1999-08-25
Juno	JU-TX	Texas,U.S.A.	30.1119N	101.0772W	533	From 1964-04-04 to 1964-08-11
Juno	JU-	Texas,U.S.A.	30.1119N	101.0772W	533	From 1964-04-04 to 1964-08-11
JuntasAbangares	JTS	Costa Rica	10.2908N	84.9525W	340	
Juquia	JUQB	Sao Paulo,Brazil	24.0930S	47.7163W	470	
Juriquilla Campus	JRQG	Queretaro de Arteaga,Mexico	20.7037N	100.4469W	1965	
Jwalamukhi	JWA	Himachal Pradesh,India	31.8667N	76.3333E		
Jwalamukhi	JWL	Himachal Pradesh,India	31.8700N	76.3706E	0	
Jyotipuram	JYP	Jammu and Kashmir,India	33.1083N	74.8500E		
Kaadhehdhoo	KAAM	Maldives,Maledives	0.4926N	72.9949E	-1	From 2008-01-29
Kaahu Road	KUTZ	North Island,New Zealand	38.4891S	175.8233E	515	From 2010-04-15
Kaapuna	KUH	Hawaii,U.S.A.	19.2663N	155.8710W	524	From 1972-01-04
Kabakon Island	EDY	New Ireland,Papua New Guinea	4.2395S	152.3890E	5	
Kabansk	KAB	Buryatiya,Russia	52.0500N	106.6539E	468	
Kabd	KBD	Kuwait	29.1756N	47.6933E	124	
Kabsdagh	KBSD	Syria	37.0013N	40.5430E	562	From 2002-04-01
Kabul	KBL	Afghanistan	34.5408N	69.0432E	1920	
Kabul (SRO)	KAAO	Afghanistan	34.5408N	69.0432E	1920	From 1977-05-10
Kabupaten Dompu	DBNI	Sumba	8.5019S	118.3121E	185	
Kace˘ov	KACW	Czech Republic	50.1436N	12.5172E	524	From 2004-01-01
Kadinhani	KDHN	Turkey	38.5211N	32.1164E	1122	From 2005-02-23
Kadzharan	KDR	Armenia	39.1500N	46.1000E	2155	From 1972-01-01
Kaena	KAE	Hawaii,U.S.A.	19.2892N	155.1320W	37	From 1973-05-08
Kaena Point	KPH	Hawaii,U.S.A.	21.5761N	158.2750W	110	From 1965-04-01 to 1976-12-31
Kaeng Krachan	PHET	Thailand	12.9100N	99.6300E	100	From 2008-01-01
Kafar-mosalman	IKFM	Iran	33.5244N	47.8469E	0	From 2008-01-01
Kafrein	KFNJ	Jordan	31.8617N	35.6760E	-90	From 1983-09-01
Kaftarguzar	KFTR	Tajikistan	38.8300N	70.1500E	1800	
Kaga	JKG	Ishikawa,Japan	36.2767N	136.3317E	25	
Kagalaska	AD3	Alaska,U.S.A.	51.7428N	176.3570W	198	From 1974-01-01 to 1992-02-01
Kagalaska Island	ETKA	Alaska,U.S.A.	51.8619N	176.4059W	290	
Kagoshima	KAG	Kagoshima,Japan	31.5508N	130.5508E	2	
Kagoshima 2	KAGJ	Kagoshima,Japan	31.1867N	130.8883E	200	
Kahang-Kahang	KHKI	Bali,Indonesia	8.3643S	115.6080E		
Kaharoa	KARZ	North Island,New Zealand	38.0219S	176.2438E	500	From 2006-07-11
Kahramanmaras	KMRS	Turkey	37.5053N	36.9000E	590	From 2006-08-30
Kahui Hut	KHEZ	North Island,New Zealand	39.2942S	174.0145E	929	From 2009-05-21
Kahuku	KHU	Hawaii,U.S.A.	19.2483N	155.6180W	1939	From 1969-08-26
Kahuranaki	KAHZ	North Island,New Zealand	39.7959S	176.8764E	638	From 2007-06-07
Kahutara	KHZ	South Island,New Zealand	42.4181S	173.5400E	70	From 1988-11-01
Kaiam	KIAM	Papua New Guinea	7.1124S	143.9224E	307	
Kaiamu	PGKAI	New Britain,Papua New Guinea	5.4659S	150.9134E	10	
Kaibab National Forest USFS, William	V15A	Arizona,U.S.A.	35.8191N	112.1731W	1891	From 2007-04-19 to 2008-11-21
Kaikoura	KKZ	South Island,New Zealand	42.4219S	173.6960E	109	From 1980-06-04 to 1989-06-08
Kaikoura West	KKY	South Island,New Zealand	42.4200S	173.6920E	101	From 1972-06-08 to 1980-06-04
Kailua Kona	KKH	Hawaii,U.S.A.	19.6567N	156.0186W	14	From 1975-01-01
Kaimai	KMRZ	North Island	37.8456S	175.9416E	542	From 2011-03-08
Kaimana, Papua	KMPI	Irian Jaya,Indonesia	3.6616S	133.7044E	0	From 2008-12-01
Kaimata	KAI	South Island,New Zealand	42.5258S	171.4090E	82	From 1942-09-01 to 1990-12-05
Kainokawa	KKW	Wakayama,Japan	33.8987N	135.4420E	260	
Kaiseraugst-Friedh	SKAF	Switzerland	47.5384N	7.7199E	270	From 2006-10-04
Kaiser Creek	KCC	California,U.S.A.	37.3236N	119.3187W	888	
Kaiserville	KVN	Nevada,U.S.A.	39.0510N	118.1000W	1829	From 1972-01-13
Kaitaia	KIT*	North Island,New Zealand	35.1083S	173.2650E	91	
Kaitanak	KTNR	Altayskiy Kray,Russia	50.1470N	85.4650E	979	
Kaizawa	KZW	Aomori,Japan	40.6915N	140.3631E	160	
Kajaani	KJF	Finland	64.1992N	27.7147E	160	From 1970-07-09 to 1990-03-31
Kajaani	KJN	Finland	64.0853N	27.7119E	250	
Kakadu	KAKA	Northern Territory,Australia	12.7115S	132.4396E	100	
Kakadu	KDU	Northern Territory,Australia	12.6869S	132.4727E	46	From 2008-11-26
Kakani	KKN	Nepal	27.7900N	85.2800E	1920	From 1980-03-01
Kakaramea	KATZ	North Island,New Zealand	38.9764S	175.6946E	1280	
Kakegawa	KGW	Shizuoka,Japan	34.8626N	138.0222E	69	
Kakegawa	JKKG	Shizuoka,Japan	34.7857N	137.9732E	-450	
Kakhk	KHI	Iran	34.1433N	58.6417E	1600	From 1971-04-01
Kakioka	KAK	Ibaraki,Japan	36.2317N	140.1930E	27	
Kakioka Outpost	KAKJ	Ibaraki,Japan	36.2050N	140.1730E	-80	From 1978-01-01
Kalaidasht	KLD	Tajikistan	38.5300N	69.4800E		
Kalalua Cone	KLCH	Hawaii,U.S.A.	19.4058N	155.0680W	659	
Kalamazoo	KZM	Michigan,U.S.A.	42.1528N	85.8211W		From 1978-02-01 to 1996-12-31
Kalaupapa	KPA	Hawaii,U.S.A.	21.1900N	156.9848W	4	
Kalavryta, Achaia	KLV	Greece	38.0437N	22.1504E	758	From 2009-04-08
Kalayaan	KIPH	Spratly Islands	11.0530N	114.2840E	2	
Kalborn	LKLB	Luxembourg	50.1000N	6.1086E	320	From 1995-04-01
Kald??rsel	IKAS	Iceland	64.0229N	21.8520W	108	From 2006-02-03
Kalfafell	IKAL	Iceland	63.9480N	17.6870W	78	From 1996-10-22
Kalgarh	KALG	Uttar Pradesh,India	29.5062N	78.7537E	0	
Kalgoorlie	KLGA	Western Australia,Australia	30.7175S	121.4380E	390	From 1986-05-12 to 1988-08-10
Kalgoorlie	KLG	Western Australia,Australia	30.7837S	121.4580E	360	From 1964-01-01 to 1986-05-12
Kalianget	KMMI	Jawa,Indonesia	7.0500S	113.9667E	0	
Kaliastana	KALI	Jawa,Indonesia	7.1064S	106.6590E	810	
Kalibo	KALP	Panay,Philippines	11.6780N	122.3380E	15	
Kaliningrad	KLNR	Kaliningradskaya Oblast'	54.6044N	20.2094E	8	From 2009-04-10
Kalithea	KALE	Greece,Greece	38.3911N	22.1398E	760	From 2008-01-01
Kalix	KALU	Sweden	65.8596N	23.3567E	30	From 2006-09-19
Kalltalsperre	KLL	Nordrhein-Westfalen,Germany	50.6467N	6.3113E	440	
Kalmit	KTD	Rheinland-Pfalz,Germany	49.3202N	8.0837E	670	From 1971-10-01
Kalocsa	KAL	Hungary	46.5286N	18.9764E	93	
Kaloudiana Chania	KLDN	Crete,Greece	35.4870N	23.6905E	44	From 2006-12-01
Kalpa	KLP	Himachal Pradesh,India	31.5333N	78.2500E	2724	
Kalwaria Paclawska	KWP	Poland	49.6314N	22.7075E	448	From 1999-06-24
Kamafusa	KMF	Miyagi,Japan	38.2100N	140.7017E	180	
Kamakawa 2	JKK2	Kamikawa,Japan	43.8728N	142.7480E	350	
Kamakura	KMK	Kanagawa,Japan	35.3167N	139.5500E		
Kaman	KAMT	Turkey	39.3690N	33.7130E	1161	
KAMANJAB	KJAB	Namibia	19.6200S	14.8480E	1071	From 2006-04-05
Kamaran Island	KAMRY	Yemen	15.3327N	42.6158E	23	From 2007-10-10
Kamar-syah	IKMR	Iran	33.5178N	48.3803E	0	From 2008-01-01
Kamata	KTJ	Shizuoka,Japan	34.9433N	139.0870E	58	From 1979-04-01 to 1990-03-20
Kamata 2	KTJJ	Shizuoka,Japan	34.9252N	139.0640E	175	From 1990-03-20
Kambalda	KMBL	Western Australia,Australia	31.3669S	121.8821E	370	From 2000-11-28
Kamenistaya	KMNR	Kamchatskaya Oblast',Russia	55.7560N	160.2370E	1100	
Kamenskaya	KMSK	Kamchatskaya Oblast',Russia	62.4669N	166.2055E	45	From 2010-06-24
Kamenskoye	KAMR	Kamchatskaya Oblast',Russia	62.4560N	166.2100E	64	From 1994-10-10
Kameyama	KAM	Mie,Japan	34.8567N	136.4650E	71	
Kameyama	KMYN	Mie,Japan	34.8670N	136.3500E	240	
Kami	KMA	Albania	42.2620N	20.2428E		
Kamigamo	KGMK	Kyoto,Japan	35.0593N	135.7657E	180	
Kamigamo	KMM	Kyoto,Japan	35.0333N	135.7000E	190	
Kamikawa	JKK	Kamikawa,Japan	43.8117N	142.8472E	430	
Kamikawa-asahi	JKA	Kamikawa,Japan	44.1160N	142.6000E	220	From 2009-01-01
Kamikineusu	KMU	Hidaka,Japan	42.2386N	142.9670E	185	From 1967-07-01
Kamikuga	KKGU	Tochigi,Japan	36.5979N	139.6250E	280	From 1976-07-17
Kamimonzen	KV02	Miyazaki,Japan	31.9931N	130.8364E	430	
Kamimuroga	KRJ	Nagano,Japan	36.4164N	138.1510E	621	From 1968-07-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kaminaka	KMNK	Tokushima,Japan	33.7865N	134.3057E	280	
Kaminokuni	KKJ	Hiyama,Japan	41.7789N	140.1757E	70	
Kamitakara	KTJD	Gifu,Japan	36.2802N	137.3271E	760	
Kamo	KAMZ	Armenia	40.8250N	43.9500E	1230	
Kamor	KAMOR	Switzerland	47.2896N	9.4875E	1730	
Kamor/St.Gall Rh.T	LIENZ	Switzerland	47.2946N	9.4927E	1720	From 2004-10-28
Kamuela	KML	Hawaii,U.S.A.	20.0317N	155.7000W	740	
Kanab	KEUT	Utah,U.S.A.	37.0503N	112.5293W	1514	From 2008-05-29
Kanab	KN-	Utah,U.S.A.	37.0228N	112.8275W	1737	From 1961-12-09 to 1999-08-25
Kanab	KN-UT	Utah,U.S.A.	37.0228N	112.8275W	1737	From 1961-12-09 to 1999-08-25
Kanab	KNB	Utah,U.S.A.	37.0166N	112.8220W	1715	From 1968-11-01
Kanaga Island Cape Miga	KICM	Alaska,U.S.A.	51.9189N	177.1953W	183	
Kanaga Island Kanaga Volcano	KIKV	Alaska,U.S.A.	51.8788N	177.1704W	411	
Kanaga Island MID Benchmark	KIMD	Alaska,U.S.A.	51.7616N	177.2349W	183	
Kanaga Island North Cape	KINC	Alaska,U.S.A.	51.9314N	177.1276W	198	
Kanaga Island Round Head	KIRH	Alaska,U.S.A.	51.8996N	177.0935W	309	
Kanaga Island Westway Bight	KIWB	Alaska,U.S.A.	51.8531N	177.1508W	244	
Kanahau	KANH	Hawaii,U.S.A.	20.6933N	156.2913W	2745	
Kanaihara	KNJD	Shiga,Japan	35.5716N	136.2846E	300	
Kanaka Peak	KPK	California,U.S.A.	39.5833N	121.3050W	899	From 1969-01-01
Kanangra Walls	KANM	New South Wales,Australia	33.9966S	150.0668E	1206	
Kanayama	KNY	Fukushima,Japan	37.4004N	139.5580E	390	
Kanazawa	KAN	Ishikawa,Japan	36.5467N	136.6480E	28	
Kanazawa	KANJ	Ishikawa,Japan	36.5867N	136.6370E	0	From 1991-10-23
Kanazawa 2	KAN2	Ishikawa,Japan	36.5250N	136.7767E	530	From 1992-04-24
Kanchanaburi	KBR	Thailand	14.0167N	99.5333E	28	From 1986-12-01
Kandavu Island	KDV	Fiji	18.9655S	178.3470E	390	
Kandira	KND	Turkey	41.0527N	30.1608E	50	From 1978-11-01 to 1999-08-25
Kanekii	KIH	Hawaii,U.S.A.	19.5093N	155.7650W	1841	
Kane Nui o Hamo	KNHH	Hawaii,U.S.A.	19.3794N	155.1693W	954	
Kaneyama	JYK	Yamagata,Japan	38.9178N	140.3590E	220	
kangal_SIVAS	CUKAN	Turkey	39.3163N	37.4667E	1523	From 2010-07-09
Kangasniemi	KAF	Finland	62.1128N	26.3061E	205	From 1977-08-31
Kangasniemi	NE62	Finland	62.1120N	26.3060E	124	
Kangerlussuaq 2	SF2	Greenland	66.9967N	50.6226W	0	
Kangerlussuaq 2	SFJD	Greenland	66.9960N	50.6215W	80	
Kangurt	KNR	Tajikistan	38.2500N	69.5300E		
Kano Inlet	KANO	British Columbia,Canada	53.2883N	132.6175W	221	
Kansas City	KC-	Missouri,U.S.A.	39.3558N	94.6714W	274	From 1965-10-17 to 1967-01-16
Kansas City	KC-MO	Missouri,U.S.A.	39.3558N	94.6714W	274	From 1965-10-17 to 1967-01-16
Kansas State University--Konza Prairie	KSU1	Kansas,U.S.A.	39.1009N	96.6094W	347	
Kantara	KANT	Cyprus	35.3830N	33.8800E	0	
Kantishna Hills	KTH	Alaska,U.S.A.	63.5530N	150.9220W	975	From 1988-08-15
Kanton	KNTN	Phoenix Islands,Kiribati	2.7744S	171.7190W	0	
Kanzaki	KZT	Hyogo,Japan	35.0739N	134.7933E	200	
Kaohsiung	KAU	Taiwan region	22.5679N	120.3080E	2	
Kaohsiung Port	KAUP	Taiwan region	22.5540N	120.3150E	0	From 2001-08-27
Kaoiki Faults	KFH	Hawaii,U.S.A.	19.4210N	155.4190W	1579	
Kapahiang	KSI	Sumatera,Indonesia	3.6517S	102.5929E	539	
Kapapala Ranch	KLH	Hawaii,U.S.A.	19.2733N	155.4450W	610	From 1969-10-02 to 2000-11-09
Kapiti Island	KIW	North Island,New Zealand	40.8625S	174.9095E	349	From 1978-04-10
Kapoho	KPO	Hawaii,U.S.A.	19.5003N	154.8420W	134	
Kappang	KAPI	Sulawesi,Indonesia	5.0142S	119.7517E	30	
Kappang	KPNG	Sulawesi,Indonesia	5.0153S	119.7508E	300	
Kap Tobin	KTG	Greenland	70.4167N	21.9833W	6	From 1980-09-30 to 2000-05-26
Kapuskasing	KAPO	Ontario,Canada	49.4504N	82.5079W	210	
Kapuskasing	KAO	Ontario,Canada	49.4483N	82.4850W	198	From 1982-09-18 to 1999-08-25
Kaputan	KAPZ	Armenia	40.3220N	44.6990E	1700	
Karabiga	KGT	Turkey	40.4517N	27.3033E	185	From 1984-03-14
Karabiga-Canakkale	KRBG	Turkey	40.3932N	27.2977E	76	From 2008-06-27
Karacabey	KCT	Turkey	40.2656N	28.3567E	451	From 1983-06-01
Karacabey (Bursa)	KCTX	Turkey	40.2655N	28.3565E	451	From 2008-07-11
Karacayir	SVSK	Turkey	39.9170N	36.9980E		
Karachi	KAR	Pakistan	24.9333N	67.1433E	34	
Karacoban	EKAR	Turkey	39.2559N	42.0640E	2129	From 2009-09-29
Karad	KARD	Maharashtra,India	17.3074N	74.1834E	618	
Karad	KAD	Maharashtra,India	17.3075N	74.1833E	582	From 1970-01-01
Karadeniz	KDE	Turkey	41.2889N	31.4250E	290	From 1982-07-01
Karadeniz Ereoli	KDZE	Turkey	41.3132N	31.4429E	410	From 2006-06-29
Karagaybulak	KBK	Kyrgyzstan	42.6564N	74.9478E	1760	
Karahalli	KHL	Turkey	38.3232N	29.5232E	940	From 1988-08-01
Karahalli	KHAL	Turkey	38.3703N	29.4917E	1141	From 2007-05-30
Karaikal	KRKL	Tamil Nadu,India	10.9000N	79.8667E		
Karaisali	KARA	Turkey	37.2607N	35.0546E	366	From 2005-08-26
Karaka Road Borehole	KBAZ	North Island,New Zealand	37.0965S	174.8884E	-148	From 2008-11-11
Karakunidake	KV06	Miyazaki,Japan	31.9494N	130.8711E	1100	
Karamursel	KMS	Turkey	40.6727N	29.5911E	280	From 1978-08-01 to 1999-08-25
Karanay	KRNR	Dagestan,Russia	42.8269N	46.9069E	1150	
Karangkates	KRKI	Jawa,Indonesia	8.1583S	112.4525E	0	
Karang Pucung	KPJI	Jawa,Indonesia	7.3330S	108.9310E	0	From 2007-12-01
Karang Ratu	KRAI	Ambon	3.3184S	128.3947E	124	
Karanos	KARN	Crete,Greece	35.4019N	23.9174E	420	From 2004-12-03
Karapiro	KRP	North Island,New Zealand	37.9250S	175.5370E	64	From 1951-06-01 to 1990-02-06
Karasu	KRU	Tajikistan	38.4800N	68.9700E		
Karatas	KRTS	Turkey	36.5731N	35.3749E	53	From 2005-08-25
Karatay Array	KKAR	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK04	Kazakhstan	43.1098N	70.5060E	525	From 2001-12-01
Karatay Array site	KK02	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK09	Kazakhstan	43.1224N	70.4995E	546	From 2001-12-01
Karatay Array site	KK07	Kazakhstan	43.0891N	70.5008E	528	From 2001-12-01
Karatay Array site	KK06	Kazakhstan	43.0944N	70.5255E	533	From 2001-12-01
Karatay Array site	KK01	Kazakhstan	43.1054N	70.5061E	525	From 2001-12-01
Karatay Array site	KK05	Kazakhstan	43.1170N	70.5235E	509	From 2001-12-01
Karatay Array site	KK08	Kazakhstan	43.1048N	70.4871E	539	From 2001-12-01
Karatay Array site	KK03	Kazakhstan	43.1028N	70.5012E	529	From 2001-12-01
Karatay Array site	KK31	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Kardeh	IKRD	Iran	36.7759N	58.5146E	2245	From 2004-06-01
Karewarewa	KAVZ	North Island,New Zealand	39.0986S	175.6458E	1200	
Karewarewa	KRVZ	North Island,New Zealand	39.0962S	175.6412E	1207	From 2004-12-03
Kargi	KART	Turkey	41.1697N	34.3056E	1946	From 1992-01-01 to 1994-05-31
Kariba Dam	KRB	Zimbabwe	16.5267S	28.7950E	805	From 1966-03-01 to 1999-08-25
Karkaralinsk	KKL	Kazakhstan	49.3300N	75.3800E	0	
Karkar Island	KKI	Papua New Guinea	4.5883S	145.9540E	460	From 1975-06-22
Karlskrona	KLS	Sweden	56.1650N	15.5917E	11	
Karlsruhe	KRL	Baden-Wurttemberg,Germany	49.0108N	8.4122E	114	From 1905-01-01
Karlsruhe West	KRW	Baden-Wurttemberg,Germany	49.0214N	8.3681E	110	
Karmit	KMTI	Israel	30.1044N	34.7251E	473	
Karmoy	KMY	Norway	59.2120N	5.2470E	58	From 1984-11-01
Karmrakar	KRMZ	Armenia	39.3110N	46.4760E	1480	
Karoi	KRI	Zimbabwe	16.8300S	29.6150E	1343	
Karoi	KRR	Zimbabwe	16.8517S	29.6183E	1380	From 1967-01-01 to 1978-12-31
Karpankyla	KU5	Finland	65.9146N	29.8862E	260	From 2003-11-05
Karpathos	KAP	Greece	35.5508N	27.1747E	250	From 1988-01-01 to 2003-02-24
Karpathos	KARP	Greece	35.5472N	27.1612E	528	
Karpathos	KRPT	Crete,Greece	35.7611N	27.1981E	161	From 2007-05-01
Karratha	KAA	Western Australia,Australia	20.7772S	116.8590E	15	From 1971-02-11 to 1972-08-09
Kars	KARS	Turkey	40.6276N	43.0788E	1450	From 1994-01-13
Kars	DIGO	Turkey	40.4147N	43.3742E	2278	From 2005-08-04
Karuizawa	KRZ	Nagano,Japan	36.3383N	138.5500E	1001	
Karuizawa	KAZ	Nagano,Japan	36.3383N	138.5500E	1001	
Karymshinskiy	KRMR	Kamchatskaya Oblast',Russia	52.8300N	158.1300E	120	From 2002-07-01
Karymskiy	KII	Kamchatskaya Oblast',Russia	54.0360N	159.4490E	900	
Kas	AKAS	Turkey	36.2339N	29.6052E	1279	From 2005-03-24
Kasabonika Lake, First Nations Ontario	KASO	Ontario,Canada	53.5279N	88.6414W	192	From 2005-08-03
Kasai	JKS	Hyogo,Japan	34.9827N	134.8443E	150	
Kasempa	KMZ	Zambia	13.4555S	25.8337E	1223	From 1984-01-01
Kashi	KSH	Xinjiang Uygur Zizhiqu,China	39.5167N	75.9731E	1314	
Kashima	KSJ	Nagano,Japan	36.5762N	137.8050E	1010	From 1968-12-01 to 1969-03-31
Kashiwara	KAJ	Osaka,Japan	34.5000N	135.8000E	120	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kashiwa-zaki	KZJ	Niigata,Japan	37.3307N	138.5265E	100	
Kashiwa-zaki	KZK	Niigata,Japan	37.2951N	138.5157E	220	
Kasma	KU7	Finland,Finland	65.7582N	28.8991E	265	From 2007-08-13
Kasperske Hory	KHC	Czech Republic	49.1309N	13.5782E	695	From 1973-01-01
Kasrt alli	KSRV	Syria	35.8641N	39.0026E	300	From 2005-01-01
Kastamonu	KAS	Turkey	41.3717N	33.7667E	850	From 1958-09-01
KASTAMONU	KAST	Turkey	41.4904N	33.9286E	677	From 2008-12-02
Kastanea	KTI	Greece	40.3929N	22.1165E	1329	
Kastek	KST	Kazakhstan	43.0430N	75.9630E	1415	
Kastelli Heraklio	KSTL	Crete,Greece	35.3037N	25.0707E	70	From 2006-12-01
Kastellorizon	KSL	Greece	36.1500N	29.5833E	100	From 1988-01-01
Kastoria	KSO	Greece	40.5225N	21.2775E	740	From 1997-01-01
Kasumi	JKSM	Hyogo,Japan	35.5875N	134.6638E	85	
Kasumkent	KSMR	Dagestan,Russia	41.6028N	48.1278E	840	
Kaszmaul Farm, Murdock	S33A	Kansas,U.S.A.	37.5936N	98.0016W	471	From 2009-10-16
Katale	KTL	Congo (Kinshasa)	1.3247S	29.3838E	1600	From 1990-01-01
Katano	KTNK	Osaka,Japan	34.7716N	135.7053E	250	
Katashina	JKT	Tochigi,Japan	36.7667N	139.2488E	933	
Katherine and Luke Keathley, Corsicana	236A	Texas,U.S.A.	31.9997N	96.5310W	118	From 2010-04-25
Katlanovo	KAY	Former Yugoslav Rep. of Macedonia	41.8958N	21.7017E	248	From 1969-01-01
Katmai	KAWH	Alaska,U.S.A.	58.3837N	154.7992W	777	
Katmai	KTM	Alaska,U.S.A.	58.3247N	155.3760W	945	From 1973-07-27 to 1975-08-24
Katmai Barrier Ridge	KABR	Alaska,U.S.A.	58.1312N	154.9692W	884	
Katmai Bkd Mtn	KBM	Alaska,U.S.A.	58.2750N	155.2017W	732	
Katmai Buttress	KABU	Alaska,U.S.A.	58.2704N	155.2822W	1065	
Katmai Hardscrabble Creek	KAHC	Alaska,U.S.A.	58.6490N	155.0060W	1250	
Katmai Hook Glacier	KAHG	Alaska,U.S.A.	58.4940N	154.5463W	923	
Katmai Ikagluik Creek	KAIC	Alaska,U.S.A.	58.4850N	155.0458W	734	
Katmai Knife Crk	KAKN	Alaska,U.S.A.	58.2970N	155.0611W	1049	
Katmai Mt Cerb's	KCE	Alaska,U.S.A.	58.2433N	155.1833W	777	
Katmai Pasha	KAPH	Alaska,U.S.A.	58.5968N	154.3468W	907	
Katmai Rainbow River	KARR	Alaska,U.S.A.	58.4978N	154.7033W	610	
Katmai Vly 10 NE	KVTA	Alaska,U.S.A.	58.3817N	155.2950W	457	
Kato Vasiliki	VRS	Greece	38.3520N	21.6080E	340	From 2006-05-10
Katrineberg	KTN	Sweden	61.0660N	16.2840E		From 1980-01-01
Katsuura	KTR	Chiba,Japan	35.1478N	140.3153E	10	From 1988-01-01
Katsuyama	KADD	Fukui,Japan	36.0621N	136.5482E	380	
Katsuyama	KAJD	Fukui,Japan	36.0487N	136.5281E	300	
Kauhava	NE63	Finland	63.0470N	22.6680E	55	
Kauri Point	KAAZ	North Island,New Zealand	36.8242S	174.7036E	65	
Kaushut	KAH	Turkmenistan	37.4500N	59.4830E	257	
Kautokeino	KTK6	Norway	69.0100N	23.2360E	340	
Kautokeino	KTK1	Norway	69.0117N	23.2371E	340	From 1989-01-01
Kautokeino	KTK2	Norway	69.0075N	23.2374E		From 1989-01-01 to 2003-04-05
Kautokeino	KTK5	Norway	69.0096N	23.2273E		
Kautokeino	KTK4	Norway	69.0081N	23.2347E		
Kautokeino	KTK3	Norway	69.0067N	23.2352E		From 1989-01-01 to 2003-04-05
Kavak	KVT	Turkey	41.0806N	36.0464E	650	From 1976-08-01
Kavala	KAVA	Greece	40.9967N	24.5137E	157	From 2008-05-16
Kavieng	KAV	New Ireland,Papua New Guinea	2.5733S	150.8170E	4	From 1971-08-25 to 1974-05-31
Kavieng	KVG	New Ireland,Papua New Guinea	2.5878S	150.8120E	10	From 1974-05-01
Kavouri	KVR	Greece	37.8278N	23.7695E	60	
Kawah Idjen	KIJ	Jawa,Indonesia	8.0667S	114.2330E		
Kawai	KWJ	Shiga,Japan	35.5154N	136.2494E	170	
Kawasaki	HRM	Kanagawa,Japan	35.5506N	139.6792E	-536	
Kawatabi	KWT	Miyagi,Japan	38.7533N	140.7600E	260	
Kawauchi	JFK	Fukushima,Japan	37.3665N	140.8745E	520	
Kawazu	KWZ	Shizuoka,Japan	34.7625N	138.9900E	65	
Kaweka Forest	KWHZ	North Island,New Zealand	39.4240S	176.4228E	854	From 2010-06-02
Kawich Peak	KP-NV	Nevada,U.S.A.	37.8975N	116.4592W	2134	
Kawich Range	KRNA	Nevada,U.S.A.	37.7417N	116.3803W	1980	From 1980-04-23 to 2002-10-10
Kayabasi	BDRM	Turkey	37.0653N	27.4442E	368	From 2003-05-26
Kayabe	JKB	O shima,Japan	41.8877N	141.0325E	10	
Kayak Island	KAIM	Alaska,U.S.A.	59.9268N	144.4160W	311	
Kayak Island	KYK	Alaska,U.S.A.	59.8683N	144.5230W	375	From 1974-10-02 to 1999-08-25
Kaye Shedlock's, Cheyenne Wells	KSCO	Colorado,U.S.A.	39.0112N	102.6273W	1382	From 2008-10-28
Kayrak	KYR	Turkey	36.3517N	33.5253E	1210	From 1988-01-01
Kazeroun	IKAZ	Iran	29.7796N	51.8400E	2805	From 2002-10-01
Kaziranga	KZI	Assam,India	26.5767N	93.4083E	130	From 1983-02-01
Kazreti	KZR	Georgia	41.3815N	44.4153E	740	From 2003-01-01
Kealakekua	KLK	Hawaii,U.S.A.	19.5220N	155.9200W	505	From 1964-01-28 to 1974-01-31
Kealakomo	KEA	Hawaii,U.S.A.	19.3083N	155.1600W	201	
Keanakolu	KKU	Hawaii,U.S.A.	19.8898N	155.3430W	1863	
Keban	KEB	Turkey	38.7978N	38.7278E	739	From 1974-05-28
Kecel	PKS2	Hungary	46.4920N	19.2131E	106	
Kechabta	KCHT	Tunisia	37.1100N	9.9400E	565	
Kecovo	KECS	Slovakia	48.4832N	20.4856E	345	From 2003-12-15
Kecskemet	KEC	Hungary	46.9122N	19.6983E	122	
Kedomdong	KEDI	Lombok,Indonesia	8.4870S	116.1130E	560	From 1991-01-01
Kedougou	KED	Senegal	12.9258N	12.3214W		From 1974-08-01 to 1976-08-01
Kedougou	KDS	Senegal	12.5687N	12.2112W	110	From 1976-05-01
Kedougou	KED*	Senegal	12.5687N	12.2112W		From 1976-08-01
Kedougou	KDG	Senegal	12.9258N	12.3214W		
Keefer Ranch, Vananda	E21A	Montana,U.S.A.	46.5408N	107.0757W	834	From 2008-08-10
Keeler	KEEL	Oregon,U.S.A.	45.5502N	122.8951W	67	
Keelung Port	KLUP	Taiwan region	25.1330N	121.7410E	0	From 2001-04-10
Keen Camp Maintenance Station	KEE	California,U.S.A.	33.6383N	116.6530W	1366	From 1975-02-01
Keen Mountain	KMV	Virginia,U.S.A.	37.2083N	82.0258W	500	From 1969-01-01 to 1969-12-31
Keepit Bedrock	KPTM	New South Wales,Australia	30.8851S	150.4819E	295	
Keepit Dam	KPAM	New South Wales,Australia	30.8791S	150.4902E	264	
Keeseville	KSVO	New York,U.S.A.	44.5424N	73.6861W	388	
Keetly	KLJ	Utah,U.S.A.	40.6308N	111.4050W	1992	From 1992-10-30
Kefar Szold	KSDI	Israel	33.1920N	35.6590E	123	
Kef Ayad	AKAY	Algeria	36.3063N	4.9353E	1485	
Kef el Ahmar	CKHR	Algeria	36.0167N	5.5122E	1280	
Kef-Lekhel	CKFL	Algeria	36.4000N	6.7200E	1229	From 2004-12-01
Keg River	KV-AT	Alberta,Canada	56.8303N	117.3239W	305	From 1965-10-12 to 1965-11-15
Keg River	KV-	Alberta,Canada	56.8303N	117.3239W	305	From 1965-10-12 to 1965-11-15
Kehvi	KEH	Georgia	42.3082N	43.9339E	1031	From 2007-12-29
Keihoku	JWK2	Soya,Japan	45.3162N	141.8975E	60	
Keihoku	KHK	Kyoto,Japan	35.1774N	135.6623E	260	
Keimoes	KEIM	Cape Province	28.7040S	20.9680E	760	From 2010-12-22
Kejulik	KJL	Alaska,U.S.A.	58.0540N	155.5732W	792	From 1996-08-01
Kekaha	KEKH	Hawaii,U.S.A.	21.9829N	159.7110W	54	From 2007-07-18
Keklikteppe	KEKT	Turkey	40.4853N	29.2422E	950	From 1994-01-01
Kelakatan	KELI	Bali,Indonesia	8.2167S	114.4910E	591	
Kelbejer	KBJ	Azerbaijan	40.1500N	46.0900E	1350	From 1984-01-01 to 1993-01-01
Kelkit	KELT	Turkey	40.1486N	39.2556E	1912	From 2003-11-06
Kellerberrin	KLBR	Western Australia,Australia	31.5915S	117.7546E	320	From 1999-10-13
Kellerberrin	KLB	Western Australia,Australia	31.5923S	117.7600E	300	From 1981-09-23 to 2006-05-29
Kellogg	KGI	Idaho,U.S.A.	47.4883N	116.0820W	1400	From 1970-01-01 to 1975-01-31
Kelly Canyon	KCI	Idaho,U.S.A.	43.6688N	111.6640W	1902	
Kelly Hill Caves	KELC	South Australia,Australia	35.9825S	136.9111E	100	
Kelly School	KSWY	Wyoming,U.S.A.	43.6226N	110.6280W	2031	
Kelsey	KELB	British Columbia,Canada	48.6611N	123.5701W	53	
Kelsey Bay	KBB	British Columbia,Canada	50.3847N	126.0280W	1310	From 1986-08-23
Kelsey New	KLNB	British Columbia,Canada	48.6611N	123.5706W	53	
Keltepe	KLT	Turkey	40.6435N	30.1006E	1601	From 1978-09-01 to 1980-12-31
Kelud	KEL	Jawa,Indonesia	8.1000S	112.9000E		
Kemaliye	KEMA	Turkey	39.2688N	38.4932E	1026	From 2006-10-19
Kemerovo	KEM	Kemerovskaya Oblast',Russia	55.3429N	86.0886E	122	From 2005-05-19
Kenai	KEN	Alaska,U.S.A.	60.6167N	151.1533W	10	From 1964-04-04 to 1964-06-26
Kendall Valley, Cora	J18A	Wyoming,U.S.A.	43.2112N	110.0200W	2357	From 2007-11-05 to 2009-05-17
Kendari	KDI	Sulawesi,Indonesia	3.9574S	122.6192E	55	From 2005-01-01
Kendrikon	KNT	Greece	41.1619N	22.8981E	380	From 1981-01-01
Kenedy	735A	Texas,U.S.A.	28.8553N	97.8081W	90	From 2009-12-18
Kennady Lake	KNDN	Northwest Territories,Canada	63.4193N	109.2013W	421	
Kennard Place, Willow Creek	F16A	Montana,U.S.A.	45.7843N	111.6262W	1350	From 2007-10-18 to 2009-07-11
Kennedy	BKA	Alabama,U.S.A.	33.6339N	87.9690W	122	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kennewick	KE-WA	Washington,U.S.A.	46.1400N	119.2775W	396	
Kennewick	KE-	Washington,U.S.A.	46.1400N	119.2775W	396	
Kent Elementary ANSS-SMO	KNEL	Washington,U.S.A.	47.3805N	122.2519W	14	From 2004-08-01
Kentfield	KFC	California,U.S.A.	37.9550N	122.5530W	6	
Kent State University	KSUO	Ohio,U.S.A.	41.1509N	81.3504W	370	
Kepong	FRIM	Peninsular Malaysia,Malaysia	3.2370N	101.6250E	98	From 1996-01-01
Keramoti	KERA	Crete,Greece	35.3692N	23.5577E	240	
Keravat	KET	New Britain,Papua New Guinea	4.3331S	152.0360E	17	From 1969-03-26 to 1970-12-31
Keravat	KRT	New Britain,Papua New Guinea	4.3529S	152.0520E	20	From 1966-11-18 to 1969-04-07
Kerch	KERU	Ukraine	45.3100N	36.4600E	50	From 1997-05-01
Kerema	KRG	Papua New Guinea	7.9597S	145.7690E	14	
Keren	KERI	Israel	30.9900N	34.4900E	360	
Kereru	KRHZ	New Zealand	39.6449S	176.3699E	530	From 2008-05-17
KERGUELEN INFRASONIC ARRAY REFERENCE POINT	I23RT	Kerguelen Islands	49.3458S	70.2416E	84	From 2007-12-10
Kerinci	KRJI	Sumatera,Indonesia	2.0912S	101.4619E	811	From 2005-01-01
Kerkira	KEK	Greece	39.7130N	19.7987E	280	From 1989-03-01
Kerman	KRBR	Iran	29.9822N	56.7605E	2576	From 2004-06-01
Kerman	KRBA	Iran	29.9797N	56.7523E		
Kermanshah	KER	Iran	34.3850N	47.1319E	1330	
Kermit	KT7	New Mexico,U.S.A.	31.7092N	103.3060W	847	From 1975-11-13 to 1999-08-25
Kermit	KT9	New Mexico,U.S.A.	31.7178N	102.8810W	869	From 1976-01-17 to 1976-10-14
Kermit	KM5	Texas,U.S.A.	31.8317N	103.0317W	874	From 1976-10-15 to 1999-08-25
Kermit	KME	Texas,U.S.A.	31.5782N	103.1200W	816	From 1976-10-14 to 1999-08-25
Kermit	KM6	Texas,U.S.A.	31.9825N	102.8632W	1030	From 1976-10-16 to 1999-08-25
Kermit	KIE	Texas,U.S.A.	31.6068N	103.1957W	828	
Kermit	KIT	Texas,U.S.A.	31.5436N	102.8820W	795	
Kermit	KKT	Texas,U.S.A.	31.6227N	103.2890W		
Kermit	KM2	Texas,U.S.A.	32.0925N	103.0718W	932	
Kermit	KM3	Texas,U.S.A.	31.6777N	103.2092W		
Kermit	KM9	Texas,U.S.A.	31.7482N	102.8563W	888	From 1976-10-14 to 1999-08-25
Kermit	KTE	Texas,U.S.A.	31.5278N	103.0970W	799	From 1976-01-15 to 1976-10-14
Kermit	KTT	Texas,U.S.A.	31.5436N	102.8820W	795	From 1975-11-10
Kermit	KTX	Texas,U.S.A.	31.5305N	103.2897W	847	From 1976-01-16 to 1999-08-25
Kermit	KT1	New Mexico,U.S.A.	32.0683N	103.3290W	930	From 1975-11-08 to 1999-08-25
Kermit	KT2	New Mexico,U.S.A.	32.0894N	103.1020W	927	From 1976-01-20 to 1976-12-15
Kermit	KT4	New Mexico,U.S.A.	31.9100N	103.3152W	948	From 1976-01-17 to 1999-08-25
Kermit	KT5	New Mexico,U.S.A.	32.0680N	103.3260W		From 1976-03-24 to 1976-10-15
Kermit	KT8	New Mexico,U.S.A.	31.7067N	103.0972W	840	From 1976-01-16 to 1999-08-25
Kermit	KT3	New Mexico,U.S.A.	31.6227N	103.2888W	855	
Kern-Tulare	WKTM	California,U.S.A.	35.7940N	118.4420W	890	
Kerrville	533A	Texas,U.S.A.	30.0718N	99.0351W	556	From 2009-11-07
Keshet	KSHT	Israel	32.9820N	35.8110E	719	From 1991-05-01
Keskin Array Beam Reference Point	BRTR	Turkey	39.7250N	33.6390E	1440	
Keskin Array Site 101	BR101	Turkey	39.7254N	33.6391E	1437	
Keskin Array Site 102	BR102	Turkey	39.7355N	33.6486E	1525	
Keskin Array Site 103	BR103	Turkey	39.7196N	33.6570E	1488	
Keskin Array Site 104	BR104	Turkey	39.7074N	33.6414E	1346	
Keskin Array Site 105	BR105	Turkey	39.7180N	33.6173E	1431	
Keskin Array Site 106	BR106	Turkey	39.7338N	33.6180E	1372	
Keskin Array Site 131	BR131	Turkey	39.7253N	33.6390E	1414	
Keskin MP Array Beam Reference Point	BRMAR	Turkey	39.8417N	32.7760E	1257	
Keskin MP Array Site 231	BR231	Turkey	39.8417N	32.7760E	1196	
Keskin MP Array Site 232	BR232	Turkey	39.9285N	32.9820E	1071	
Keskin MP Array Site 233	BR233	Turkey	39.7935N	32.9813E	1	
Keskin MP Array Site 234	BR234	Turkey	39.6519N	32.8001E	1002	
Keskin MP Array Site 235	BR235	Turkey	39.7413N	32.5916E	1217	
Keskin MP Array Site 236	BR236	Turkey	39.8795N	32.5511E	1035	
Keskin MP Array Site 237	BR237	Turkey	40.0187N	32.7304E	1045	
Kesra	KEST	Tunisia	35.7318N	9.3460E	885	
KESRA INFRASONIC ARRAY REFERENCE POINT	I48TN	Tunisia	35.8052N	9.3230E	848	From 2006-06-02
Kestanelik-??atalca	CTKS	Turkey	41.2364N	28.5066E	47	From 2007-09-28
Keswick	CKE	England,United Kingdom	54.5877N	3.1059W	304	
Keswick, Cumbria	KESW	England,United Kingdom	54.5886N	3.1048W	282	From 2008-09-04
Ketchikan	KCN	Alaska,U.S.A.	55.3343N	131.6325W	20	
Ketetahi	KETZ	North Island,New Zealand	39.1006S	175.6520E	1208	From 1985-05-01 to 1992-01-22
Kettenpom Peak	KKPM	California,U.S.A.	40.1458N	123.3350W	1244	
Kettle Butte	KBI	Idaho,U.S.A.	43.5907N	112.3770W	1698	From 1992-01-01
Kettleman Hills	PKEM	California,U.S.A.	36.0615N	120.1090W	288	
Keumsan	KSKMS	South Korea	36.1016N	127.4837E	171	From 2000-12-23
Keung Shan	HKLI	Hong Kong,China	22.2417N	113.8787E	100	From 1997-04-23
Keuruu	KEF	Finland	62.1672N	24.8703E	215	From 1977-08-31
Kevo	KEV	Finland	69.7553N	27.0067E	80	From 1967-06-01
Kevo	KEV1	Finland	69.7558N	27.0125E	97	
Kew	KEW	England,United Kingdom	51.4683N	0.3131W	5	
Kewanee	KEWM	Missouri,U.S.A.	36.6981N	89.5926W	85	
Key Point	KYP	California,U.S.A.	34.1018N	118.8795W	700	
Keystone College	KSPA	Pennsylvania,U.S.A.	41.5570N	75.7681W	297	
Keyworth	KEY1	England,United Kingdom	52.8779N	1.0757W	59	
Keyworth	KEY2	England,United Kingdom	52.8790N	1.0770W	76	
Kfar Ka'horesh	HRSH	Israel	32.7000N	35.2800E	416	
KGF	KGF	Karnataka,India	12.9483N	78.2541E	876	From 1999-01-01
Khabarovsk	HABR	Khabarovskiy Kray,Russia	48.4730N	135.0510E	81	From 2005-04-01
Khabarovsk	KHBR	Khabarovskiy Kray,Russia	48.4740N	135.0560E	81	From 2006-05-17
Khabaz	KBZ	Stavropol'skiy Kray,Russia	43.7286N	42.8975E		
Khafra	HKFR	Egypt	22.5891N	31.3047E	337	
Khaishi	KHS	Georgia	42.9427N	42.1893E	644	From 1967-01-01
Khait	KHAT	Tajikistan	39.1700N	70.8800E	1800	
khalkal	ADB	Iran	37.3700N	48.2000E	1576	
Khamasin	KMSA	Saudi Arabia	20.3710N	44.4950E	715	From 1988-11-01
Khamis Mushayt	KMTA	Saudi Arabia	18.1660N	42.8650E	2000	
Khamis Mushayt	KMTU	Saudi Arabia	18.1660N	42.8650E	2000	From 1990-06-13
Khancoban	KHA	New South Wales,Australia	36.2136S	148.1290E	435	From 1968-09-06
Khandyga	KHG	Sakha,Russia	62.6500N	135.5500E	105	
Khani	KHN	Sakha,Russia	56.9211N	119.7892E	690	From 2005-12-01
Khani	KHNR	Sakha,Russia	56.9210N	119.9790E	690	From 2005-12-11
Khanty-Mansiysk	HMA	Khanty-Mansi Autonomous Okrug,Russia	61.0333N	69.1167E	91	
Khao Laem Dam	KHT	Thailand	14.7848N	98.5925E	173	From 1982-10-01
Khapcheranga	KPC	Buryatiya,Russia	49.7039N	112.3789E	953	
Kharkheh	IKAR	Iran	32.4833N	48.1543E	0	From 1998-01-01
Kharsali	KSLI	Himachal Pradesh,India	30.9745N	78.4395E	2555	From 2007-05-01
Khatum	KTMO	Oman	23.4841N	57.6854E	85	From 1998-07-13
Khaybar	KBRS	Saudi Arabia	25.7886N	39.2644E	200	
Kheis	KHE	Arkhangel'skaya Oblast',Russia	80.6167N	58.0500E	21	
Khelvachauri	KHEL	Georgia	41.5742N	41.6963E	32	From 2003-01-01
Khenifra	KHF	Morocco	32.9830N	5.7070W	1060	
Khetri	KHET	Rajasthan,India	28.0740N	75.8063E	330	From 2001-08-01
Khezeriat	SKHZ	Iran	30.9498N	48.5347E	6	From 2010-08-11
Khinaliq	XNQ	Azerbaijan	41.1720N	48.1400E	1985	From 2010-11-10
Khios Island	XIO	Greece	38.2567N	26.0408E	210	From 1997-01-01
Khitrov Hills	KHIT	Alaska,U.S.A.	60.4432N	143.2490W	1101	
Khodzhikent	KDK	Uzbekistan	41.6167N	69.9667E		
Kholmsk	KHLM	Sakhalinskaya Oblast'	47.0550N	142.0520E	45	From 2008-10-10
Khomeyn	KHMZ	Iran	33.7390N	49.9590E	1985	From 2009-01-12
Khong Chiam	UBPT	Thailand	15.2800N	105.4700E	120	From 2008-01-01
Khon Kaen	KKTK	Thailand	16.3370N	102.8230E	140	From 2001-01-01
Khonsa	KOI	Arunachal Pradesh,India	26.9833N	95.5000E	785	From 1979-01-01
Khor El Raml	AKRL	Egypt	23.6634N	32.7211E	190	
Khorog	KHO	Tajikistan	37.4833N	71.5333E	2199	
Khorongon	KHR	Tajikistan	38.6667N	68.7833E		
Khor Sakr	AKSR	Egypt	23.6372N	33.0208E		
Khovu-Aksy	HVS	Krasnoyarskiy Kray,Russia	51.1358N	93.7022E	1075	From 2007-04-25
Khrisi	XRY	Crete,Greece	34.8748N	25.6943E	21	
Khumson	KHUM	Tajikistan	41.6800N	69.9500E	850	
Khunzakh	XNZR	Dagestan,Russia	42.5417N	46.7050E	1640	
Khuramsha	HRMR	Buryatiya,Russia	51.6280N	106.9550E	620	From 1997-04-01
Khvani	KHVA	Georgia	42.1902N	43.5236E	829	From 2007-10-03
Kiagna River	KIAG	Alaska,U.S.A.	60.9236N	142.3587W	1773	
Kiajanaja	KJA	Guatemala	15.7398N	91.7827W	2280	From 1980-10-01 to 1999-08-25
Kiara Terrace	KIA	Pakistan	34.1133N	72.7133E	497	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kiasar	IKIA	Iran	36.2070N	53.6837E	2167	From 2000-08-01
Kibati	KBTI	Congo (Kinshasa)	1.5690S	29.2770E	2000	
Kibumba	KBBA	Congo (Kinshasa)	1.5190S	29.3330E	2029	
Kibwezi	KIBK	Kenya	2.3400S	38.0460E	775	From 1996-06-01
Kidapawan	KCP	Mindanao,Philippines	7.0090N	125.0900E	598	
Kidman Hollow	KDUT	Utah,U.S.A.	41.7213N	112.0290W	1829	From 1978-10-01
Kiev	KIEV	Ukraine	50.6944N	29.2083E	123	
Kigali	KIG	Rwanda	1.9634S	30.0633E	1545	From 2008-10-09
Kiinagashima	JKN	Mie,Japan	34.2483N	136.2633E	90	
Kijevo	KIJV	Croatia	44.0050N	16.4050E	413	From 2004-04-07
Kijyo	JKJ	Miyazaki,Japan	32.2483N	131.4150E	380	
Kikaishima	JZK	Ryukyu Islands,Japan	28.3145N	129.9720E	130	
Kika Raxquin	KIK	Guatemala	14.8130N	91.4105W	3200	From 1980-10-01
Kilembe	KIL	Uganda	0.2000N	30.0080E	1372	From 1991-07-01
Kilenge	KCM	New Britain,Papua New Guinea	5.4833S	148.3830E	15	From 1975-03-01 to 1980-09-05
Kilima Mbogo	KMBO	Kenya	1.1268S	37.2523E	1940	
Killbear Provincial Park	KLBO	Ontario,Canada	45.3566N	80.2132W	177	
Kilmashogue	DKM	Ireland	53.2553N	6.2644W	280	From 1976-11-01 to 2002-01-06
Kilpisjarvi	KIF	Finland	69.0044N	20.8018E	0	
Kilyos	KLYT	Turkey	41.2530N	29.0420E	30	From 2002-01-01
Kim	S26A	Colorado,U.S.A.	37.6216N	103.4711W	1394	From 2008-12-06
Kimball Elementary School	KIMB	Washington,U.S.A.	47.5752N	122.3016W	100	
Kimball Pass	KMP	Alaska,U.S.A.	61.5143N	145.0300W	1103	From 1977-08-04
Kimbe	KMBE	New Britain,Papua New Guinea	5.5590S	150.1530E	10	
Kimbe	KMB	New Britain,Papua New Guinea	5.4833S	150.1000E	23	From 1969-11-22 to 1999-08-25
Kimberley	KIM	Orange Free State,South Africa	28.7517S	24.7800E	1321	
Kincaid Ranch	HKRM	California,U.S.A.	36.9017N	121.4260W	66	From 1975-07-03
Kincaid Ranch, Fort Stockton	428A	Texas,U.S.A.	30.7263N	102.6847W	982	From 2008-03-10 to 2010-02-13
Kindia	KING	Guinea	9.9638N	12.8685W	410	From 1991-07-01
King County	TKCO	Washington,U.S.A.	47.5369N	122.3004W	0	
King Edward Point	KEP	South Georgia Islands	54.2800S	36.4800W		From 1972-03-01 to 1999-08-25
Kingman	KG-AS	Arizona,U.S.A.	35.6417N	113.9078W	1067	
Kingman	KG-	Arizona,U.S.A.	35.6417N	113.9078W	1067	From 1963-04-19 to 1963-07-11
Kingman	KG-AZ	Arizona,U.S.A.	35.6417N	113.9078W	1067	From 1963-04-19 to 1963-07-11
King Ranch	KRC	California,U.S.A.	35.3267N	119.7450W	680	
Kingsbay	KBS	Svalbard,Norway	78.9256N	11.9417E	74	From 1994-11-05
Kingscourt	DMU	Ireland	53.8989N	6.9106W	280	From 1976-11-01
Kingscourt	DMUB	Ireland	53.9000N	6.9086W	280	From 1994-04-11
Kings Mountain	KMOR	Oregon,U.S.A.	45.6355N	123.4900W	975	From 1982-09-01
Kings Mountain	KMSC	North Carolina,U.S.A.	35.1420N	81.3333W	240	
Kings Tableland	KTLM	New South Wales,Australia	33.8621S	150.4042E	720	
Kingston	KGNO	Ontario,Canada	44.2272N	76.4934W	89	
Kingston	KIN	Jamaica	17.9737N	76.7851W	32	From 1937-01-01 to 1978-12-09
Kingsville	KVTX	Texas,U.S.A.	27.5459N	97.8929W	14	
Kinkasan	KSN	Miyagi,Japan	38.2717N	141.5883E		
Kinmen	KNM	Taiwan region	24.4167N	118.4333E	13	
Kinomoto	KNJ	Wakayama,Japan	34.2623N	135.1250E	20	From 1965-06-02 to 1965-11-30
Kinomoto	KMT	Wakayama,Japan	34.2623N	135.1250E	20	From 1965-06-02 to 1965-11-30
Kipapa	KIP	Hawaii,U.S.A.	21.4233N	158.0140W	73	
Kipawa	MLQ1	Quebec,Canada	46.8036N	78.9873W	299	
Kipourio	KPRO	Greece	39.9549N	21.3632E	837	From 2011-03-30
Kipp Ranch, Antelope Well	320A	New Mexico,U.S.A.	31.3369N	108.5284W	1414	From 2008-02-16 to 2010-01-19
Kipuka Nene	KNH	Hawaii,U.S.A.	19.3350N	155.2900W	924	From 1967-09-21
Kiractepe	KRCT	Turkey	41.0814N	32.8792E	1449	From 1993-07-01 to 1994-06-30
Kirbyville	440A	Texas,U.S.A.	30.7456N	93.9587W	59	From 2010-05-22
Kirchzarten	KIZ	Baden-Wurttemberg,Germany	47.9562N	7.9182E	445	From 1987-01-01
Kirikhan	KRH	Turkey	36.4922N	36.3466E	220	From 1979-12-01 to 1999-08-25
Kiri Road	TKEZ	North Island,New Zealand	39.3895S	174.0075E	330	
Kirishev	KIRR	Kamchatskaya Oblast',Russia	55.9530N	160.3420E	1475	From 2006-08-01
Kirishima Volcano	KV01	Kagoshima,Japan	31.9447N	130.8478E	1215	
Kiritimati	XMAS	Kiribati	2.0448N	157.4453W	1	
K¨–rka- Seyitgazi ESKISEHIR	AUKIR	Turkey	39.2772N	30.5308E	1088	From 2010-06-20
Kirkby Lonsdale	LKL	England,United Kingdom	54.2185N	2.5345W	396	From 1989-01-01 to 1992-10-14
Kirkenes	KRK	Norway	69.7242N	30.0625E	25	
Kirkland Lake	KLO	Ontario,Canada	48.2060N	79.9950W	350	
Kirkland Lake	KLC	Ontario,Canada	48.1447N	80.0292W	310	
Kirkland Lake	KILO	Ontario,Canada	48.4970N	79.7233W	322	
Kirkuk	IKRK	Iraq	35.4000N	44.3400E	331	From 2009-01-01
Kirkwood Meadows Resort, Kirkwood	R05C	California,U.S.A.	38.7028N	120.0755W	2366	From 2005-08-05 to 2007-10-05
Kirov	KIRV	Kirovskaya Oblast',Russia	58.5850N	49.4158E	0	
Kirovskiy	KROS	Amurskaya Oblast',Russia	54.4330N	126.9710E	455	
Kiruna	KIR	Sweden	67.8400N	20.4167E	390	
Kishima-dake	KISK	Kumamoto,Japan	32.8926N	131.0669E	1105	
Kishinev	KIS	Moldova	46.9980N	28.8180E	185	
Kishinomiya	KISE	Wakayama,Japan	34.2220N	135.3000E	75	
Kislovodsk	KIV	Stavropol'skiy Kray,Russia	43.9553N	42.6863E	1054	
Kislovodsk Array Beam Reference Point	KVAR	Stavropol'skiy Kray,Russia	43.9557N	42.6952E	1196	
Kislovodsk Array Site 0	KIV0	Stavropol'skiy Kray,Russia	43.9557N	42.6952E	1196	
Kislovodsk Array Site 1	KIV1	Stavropol'skiy Kray,Russia	43.9570N	42.6946E	1196	
Kislovodsk Array Site 2	KIV2	Stavropol'skiy Kray,Russia	43.9554N	42.6970E	1196	
Kislovodsk Array Site 3	KIV3	Stavropol'skiy Kray,Russia	43.9547N	42.6939E	1196	
Kitadake	KITD	Kagoshima,Japan	31.5992N	130.6461E	450	
Kita-Gairin	NRMH	Iburi,Japan	42.5479N	140.8392E	484	
Kitakami	KGJ	Iwate,Japan	39.3883N	141.5650E	376	
Kitakata	JKIT	Miyazaki,Japan	32.6245N	131.4535E	180	From 1997-03-01
Kitausu	KITH	Iburi,Japan	42.5239N	140.8104E	120	
Kithairon Oros	MKIT	Greece	38.1842N	23.2599E	1406	
Kithira	KYTH	Greece	36.2807N	23.0363E	458	
Kitsap County Moderate Risk Waste Facility	KIMR	Washington,U.S.A.	47.5031N	122.7672W	100	
Kitsap County North Road Shed	KINR	Washington,U.S.A.	47.7517N	122.6431W	100	
Kitsap County Wastewater Treatment Plant	KITP	Washington,U.S.A.	47.6750N	122.6297W	100	
Kiyosumi	KIY	Chiba,Japan	35.1500N	140.1830E	290	
Kiyosumi	KYS	Chiba,Japan	35.1977N	140.1480E	180	From 1966-04-01
Kizilcal	KIZT	Turkey	38.8800N	31.8800E	1202	
Kizimen	KZV	Kamchatskaya Oblast'	55.1130N	160.2940E	1509	From 2009-11-10
Kizyl-Arvat	KAT	Turkmenistan	39.0280N	56.2700E	200	
Klagenfurt	KFA	Austria	46.6483N	14.3278E	450	
Klamath Falls	L04A	Oregon,U.S.A.	42.1750N	121.8910W	1336	From 2006-05-24 to 2007-10-26
Klamath Falls	KFO	Oregon,U.S.A.	42.2667N	121.7450W	1439	From 1962-01-01
Klamath Falls	KFAL	Oregon,U.S.A.	42.2577N	121.7851W	1326	
Klaveano Farm, Fernwood	D11A	Idaho,U.S.A.	47.0477N	116.3353W	849	From 2006-11-11 to 2008-06-07
Klein Altendorf	BA10	Nordrhein-Westfalen,Germany	50.6131N	6.9945E	186	From 2006-10-01
Kleinbodungen	KBDG	Thuringen,Germany	51.3334N	10.8669E	425	From 2008-06-18
Klimovskoe	KLMR	Arkhangel'skaya Oblast',Russia	60.8539N	39.5186E	157	From 2003-11-25
Klindworth Farms, Hogeland	A19A	Montana,U.S.A.	48.9286N	108.7429W	971	From 2008-08-27 to 2010-07-20
Klokotos Trikala	THL	Thessaly,Greece	39.5647N	22.0145E	107	From 2006-09-22
Kloof	KLOF	South Africa	26.3498S	27.6100E	1631	From 2006-08-16
Kluane	KEY	Yukon Territory,Canada	61.0500N	138.5020W	785	From 1979-03-09 to 1981-07-25
Kluang	KGM	Peninsular Malaysia,Malaysia	2.0157N	103.3190E	103	
Klutina	KLU	Alaska,U.S.A.	61.4928N	145.9200W	1012	From 1972-08-09
Klyuchi	KLY	Kamchatskaya Oblast',Russia	56.3130N	160.6520E	100	
Knez@19ji Dol	KNDS	Slovenia	45.5279N	14.3806E	1024	From 2004-01-01
Knife Ck. Glacier	KCG	Alaska,U.S.A.	58.3076N	155.1114W	762	
Knight Island	KNIM	Alaska,U.S.A.	60.3487N	147.7360W	434	
Knik Glacier	KNK	Alaska,U.S.A.	61.4125N	148.4560W	595	
Knox Farm, Ray	B25A	North Dakota,U.S.A.	48.2716N	103.1613W	705	From 2009-07-28
Knox Ranch	KNO	California,U.S.A.	35.4833N	118.5280W	1090	From 1952-07-01 to 1952-11-10
Knoxville	HPKT	Tennessee,U.S.A.	35.9260N	83.8790W	305	From 1980-03-25 to 1991-04-01
Kobayashi Ranch	KBY	California,U.S.A.	33.0402N	115.7010W	-51	From 1975-02-01 to 1976-05-31
Kobe	KBE	Hyogo,Japan	34.7345N	135.1778E	440	
Kobe	KOB	Hyogo,Japan	34.6883N	135.1800E	58	
Kobuan	KOA	Bougainville,Papua New Guinea	6.2241S	155.6190E	65	From 1969-12-07 to 1972-11-30
Kobugahara	KBH	Tochigi,Japan	36.6550N	139.5286E	700	
Kocaeli-Kandira	KAND	Turkey	41.0943N	30.1922E	75	From 2010-11-25
Kochi	KOC	Kochi,Japan	33.5533N	133.5370E	-1	
Kodaikanal	KOD	Tamil Nadu,India	10.2333N	77.4667E	2345	From 1910-01-01
Kodera	KDT	Japan	34.9183N	134.7127E	200	From 1970-10-01 to 1972-06-01
Kodiak	KD1	Alaska,U.S.A.	57.7467N	152.4920W		From 1964-04-21 to 1964-05-10
Kodiak	KD3	Alaska,U.S.A.	57.7483N	152.5150W		From 1964-05-14 to 1964-08-17

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kodiak	KD2	Alaska,U.S.A.	57.7583N	152.4930W		From 1964-04-10 to 1964-05-03
Kodiak Island	KDC	Alaska,U.S.A.	57.7478N	152.4920W	13	From 1964-04-02 to 2004-04-03
Kodiak Island	KDAK	Alaska,U.S.A.	57.7828N	152.5835W	64	
Kodinsk	KDN	Krasnoyarskiy Kray,Russia	58.5910N	99.1920E	296	From 2007-09-28
Koelnbreinsperre	KBA	Austria	47.0784N	13.3447E	1721	From 1981-11-01
Koeppel	KOE	Rheinland-Pfalz,Germany	50.4253N	7.7317E	540	
Koester Ranch, Padroni	N26A	Colorado,U.S.A.	40.8289N	103.2221W	1284	From 2008-12-08
Koforidua	KOGH	Ghana	6.0842N	0.2431W	483	From 1987-01-01
Kofu	KFU	Yamanashi,Japan	35.7426N	138.5683E	590	
Kofu	KOF	Yamanashi,Japan	35.6650N	138.5567E	274	
Kog	KOGS	Slovenia	46.4481N	16.2503E	240	From 2004-03-01
Kogok River	KGR	Alaska,U.S.A.	63.1692N	162.0667W	320	
Kohala	KOH	Hawaii,U.S.A.	20.1282N	155.7800W	1166	
Kohestak	KHSK	Iran	26.7568N	57.0528E	40	From 2010-04-30
KOHEUNG	KOHB	South Korea	34.6184N	127.2758E	68	From 2009-09-24
Koh Gabri	KHGB	Iran	30.3755N	56.4768E	2057	From 2010-05-05
Kohima	KHM	Nagaland,India	25.6631N	94.0761E	1630	From 1979-01-01
Kohlern	KOSI	Italy	46.4630N	11.3778E	1604	From 2006-12-13
Kohler Place, Littleton	P24A	Colorado,U.S.A.	39.5144N	104.9082W	1861	From 2008-06-10
Kohls Ranch	KH-AZ	Arizona,U.S.A.	34.4833N	111.0342W	2286	From 1964-04-02 to 1964-06-18
Kohls Ranch	KH-	Arizona,U.S.A.	34.4833N	111.0342W	2286	From 1964-04-02 to 1964-06-18
Koide	K12	Iwate,Japan	39.4575N	141.4989E	534	
Koidern River	KRY	Yukon Territory,Canada	61.9700N	140.4080W	686	
Koike	KOID	Kagoshima,Japan	31.5872N	130.6128E	40	
Kokohu	KNZ	North Island,New Zealand	39.0214S	177.6736E		
Kokoji	K04	Iwate,Japan	39.3611N	141.5192E	477	
Kokstad	KSD	Cape Province,South Africa	30.5410S	29.4167E	1350	From 1993-03-01
Kolacno	KOLL	Slovakia	48.5787N	18.4024E	290	From 2002-12-01
Kolahrood	IKLH	Iran	33.3190N	51.5787E	2280	From 2000-09-01
Kolaka, Sulawesi	KKSI	Sulawesi,Indonesia	4.1718S	121.6513E	89	From 2008-12-01
Kolay	KOL	Turkey	41.4243N	35.7961E	145	From 1976-09-01
Koldanda	KOLN	Nepal	27.7700N	83.6000E	1830	From 1994-04-01
KOLHAPUR, MAHARASTRA	KOLH	Maharashtra,India	16.8338N	74.2813E	563	From 2002-07-02
Koln Dom Grabung	BA19	Nordrhein-Westfalen,Germany	50.9412N	6.9577E	48	From 2006-10-01
Koln University	BA07	Nordrhein-Westfalen,Germany	50.9259N	6.9243E	50	From 2006-10-01
Kolonicke sedlo	KOLS	Slovakia	48.9333N	22.2731E	460	From 2004-09-01
Komaba	KOM	Saitama,Japan	35.6500N	139.7630E	38	
Komagane	KGN	Yamanashi,Japan	35.7518N	137.9719E	629	
Komaggas	KOMG	Cape Province,South Africa	29.7970S	17.4837E	299	
Komakuk Beach	KBT	Yukon Territory,Canada	69.5937N	140.1820W	15	From 1981-08-08
Komarou	KOMA	Tajikistan	39.1000N	70.4000E		
Komasi	IKOM	Iran	34.1745N	47.5102E	1502	From 2004-01-01
Komatsu	KMJD	Ishikawa,Japan	36.3645N	136.5057E	70	
Komatsu	KMD	Ishikawa,Japan	36.3135N	136.4916E	70	
Komgaron	KMGR	Severo-Osetinskaya	43.0572N	44.8659E	740	From 2010-08-07
Kompina	KMC	Cameroon	4.3861N	9.5781E	85	From 1984-12-14
Komsomolabad	KOMS	Tajikistan	38.9000N	69.9500E		
Komsomolskaya	KMSR	Severo-Osetinskaya,Russia	43.3708N	44.2924E	348	From 2005-08-11
Konawaena	KNW	Hawaii,U.S.A.	19.5133N	155.9180W	495	From 1922-01-01 to 1960-12-31
Konedobu	KDB	Papua New Guinea	9.4717S	147.1600E	40	From 1968-01-01
Kongan	KGNI	Nagaland,India	26.7558N	94.8383E	500	
Kongsberg	KONO	Norway	59.6491N	9.5982E	216	From 1991-06-28
Kongsberg	KON	Norway	59.6491N	9.5982E	216	
Konigsberg	KNG	Kaliningradskaya Oblast',Russia	54.8333N	20.5000E	33	
Konitsa	KNS	Greece	40.0596N	20.7592E	1090	From 2008-02-28
Konogogo	EKN	New Ireland,Papua New Guinea	3.4888S	152.1850E	270	
Konpirayama	KONH	Iburi,Japan	42.5541N	140.8168E	230	
Konsvik	STOK1	Norway	66.5000N	13.1200E	36	From 2005-07-01
Konsvik	KONS	Norway	66.4992N	13.1193E	36	From 2005-07-01
Konya-Eregli	KERG	Turkey	37.4146N	34.1250E	1365	From 2010-11-10
Konya-Kulu	KKUL	Turkey	39.1713N	32.9173E	1178	From 2010-11-11
Konya-Meram	KMER	Turkey	37.7685N	32.3680E	1231	From 2010-11-11
Konya--Tatoy	KONT	Turkey	37.9453N	32.3605E	550	
Kooshah	IKOO	Iran	32.4241N	59.0044E	2245	From 2005-12-01
Kootwijk	NE32	Netherlands	52.1790N	5.8120E	40	
Kopaniny	KOCW	Czech Republic	50.2652N	12.2336E	575	From 1994-01-01
Kop Dagi	KOPT	Turkey	40.0179N	40.4972E	2489	From 2006-09-18
Kophill	SKP1	England,United Kingdom	51.7218N	0.8096W	212	From 1993-01-01
Kopyto	KPT	Kamchatskaya Oblast',Russia	55.9661N	160.2219E	1004	
Kora	KORR	Severo-Osetinskaya,Russia	43.0861N	44.0677E	621	From 2005-11-03
Korca	KBN	Albania	40.6236N	20.7874E	870	
Korea Array	KSRS	South Korea	37.4540N	127.9230E		
Korhogo	LKO	Ivory Coast	9.5444N	5.5889W	435	From 1989-06-01
Korintji-Dempo	KKD	Sumatera,Indonesia	3.7000S	102.9330E		
Korkueli	KORT	Turkey	37.0007N	30.3503E	1304	From 2008-03-06
Korkuteli	KORK	Turkey,Turkey	37.0007N	30.3503E	1304	
Koro	KRO	Fiji	17.3141S	179.3920E	522	From 1981-11-01
Korolevo	KORU	Ukraine	48.1573N	23.1339E	150	From 1998-07-15
Koror	KOR	Caroline Islands,Palau	7.3350N	134.4850E	30	From 1950-01-01 to 1958-12-31
Korovin Northeast	KONE	Alaska,U.S.A.	52.3936N	174.1193W	253	
Korovin Northwest	KONW	Alaska,U.S.A.	52.3980N	174.2080W	334	
Korovin Southeast	KOSE	Alaska,U.S.A.	52.3450N	174.0500W	625	
Korovin Volcano	KOKV	Alaska,U.S.A.	52.3610N	174.1640W	776	
Korovin West	KOWE	Alaska,U.S.A.	52.3650N	174.2520W	527	
Koryaka	KOK	Kamchatskaya Oblast',Russia	53.2919N	158.6361E	1050	
Koryakskii	KRER	Kamchatskaya Oblast',Russia	53.3040N	158.7490E	1847	From 2009-01-15
Kosan Boka	KIC	Ivory Coast	6.3606N	4.7411W	176	From 1967-06-01
Kosmodemyansk	KOS	Sakhalinskaya Oblast',Russia	44.1000N	145.8830E		
Kosmos	KOSW	Washington,U.S.A.	46.4613N	122.1910W	828	
Kosov	KSV	Ukraine	48.3150N	25.0667E	450	
Kosovska,, Mitrovica	KMIS	Serbia	42.9179N	20.8377E	0	From 2008-01-01
Koster	KSR	Transvaal,South Africa	25.8517S	26.8972E	1623	
Kota Agung	KASI	Sumatera,Indonesia	5.5236S	104.4967E	0	From 2007-12-01
Kotabaru	KBKI	Borneo,Indonesia	3.2995S	116.1670E	0	From 2007-12-01
Kotabumi	KLI	Sumatera,Indonesia	4.8630S	104.8567E	32	
Kotacane, Aceh	KCSI	Sumatera,Indonesia	3.5220N	97.7715E	204	From 2008-12-01
Kota Kinabalu	KKM	Sabah,Malaysia	6.0443N	116.2147E	830	
Kota Tinggi	MYKOM	Peninsular Malaysia,Malaysia	1.7900N	103.8500E	0	From 2006-03-24
Kothagudem	KGD	Andhra Pradesh,India	17.5767N	80.6571E	0	
Kothi	KOTI	Himachal Pradesh,India	32.3077N	77.2000E	2527	From 1985-08-01
Kotkhai	KKHI	Himachal Pradesh,India	31.1015N	77.5814E	2240	From 2007-05-01
Kotohata	K07	Iwate,Japan	39.4164N	141.6564E	554	
Kotokel	KELR	Buryatiya,Russia	52.7600N	108.0800E	460	From 2005-11-03
Kottamaia	KEG	Egypt	29.9275N	31.8292E	460	From 1991-01-01
Kottamia	KOT	Egypt	29.9276N	31.8292E	490	
Kotzebue	KTA	Alaska,U.S.A.	66.8500N	162.6100W	26	From 1976-08-01
Koumac	KOU	New Caledonia	20.5619S	164.2810E	17	
Koumaradei	KOUM	Greece	37.7041N	26.8377E	340	
Kourou	KOG	French Guiana	5.2070N	52.7320W	10	
Koussour	KSU	Djibouti	11.5335N	42.4463E	370	From 1975-11-01
Kouya	JWY	Wakayama,Japan	34.2183N	135.5930E	795	
Kovokta	KVO	Buryatiya,Russia	56.1400N	113.0500E	1280	
Kowa	KOWA	Mali	14.4967N	4.0167W	280	
Kowarra	KOWM	Victoria,Australia	35.7885S	144.5201E	102	
Kowen Forest	KOW	Australian Capital Territory,Australia	35.2883S	149.2980E	792	
Koyama	KOY	Shizuoka,Japan	35.3500N	138.9830E		
Koyna Nagar	KNI	Maharashtra,India	17.3967N	73.7500E	630	From 1963-10-11 to 1999-08-25
Kozaga	JWZ	Wakayama,Japan	33.5305N	135.7148E	230	
Kozan	KOZT	Turkey	37.4805N	35.8267E	381	From 2005-08-25
Kozan	KOZTB	Turkey	37.4360N	35.8180E	150	From 1993-03-01
Kozani	KZN	Greece	40.3067N	21.7708E	900	
Kozel'skiy	KZL	Kamchatskaya Oblast',Russia	53.2010N	158.8940E	950	
Kozjak Brana	KOZJ	Former Yugoslav Rep. of Macedonia	41.8778N	21.1950E	533	From 2004-01-01
Kozu shima	JKO	Bonin Islands,Japan	34.1867N	139.1367E	138	
Kozyr	KOZ*	Kamchatskaya Oblast',Russia	56.0660N	159.8960E		
Kozyr	KOZR	Kamchatskaya Oblast',Russia	56.0660N	159.8960E	450	
Kozyrevsk	KOZ	Kamchatskaya Oblast',Russia	56.0580N	159.8732E	450	
K-Podol'skiy	KMPD	Ukraine	48.5630N	26.4600E	121	
Krabesse	KRAM	Morocco	31.7030N	9.3400W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Krakow	KRA	Poland	50.0561N	19.9397E	223	From 1954-01-01 to 1992-04-30
Kraliky	KRLC	Czech Republic	50.0753N	16.7817E	754	From 2007-11-01
Kramer	KM-	California,U.S.A.	34.8811N	117.2567W	853	From 1963-04-01 to 1966-03-31
Kramer	KM-CL	California,U.S.A.	34.8811N	117.2567W	853	From 1963-04-01 to 1966-03-31
KRANIDI	KRND	Greece	37.3830N	23.1502E	140	From 2010-06-08
Kraslice	KRCW	Czech Republic	50.3316N	12.5304E	760	From 1994-01-01
KrasnayaPolyana	KPR	Krasnodarskiy Kray,Russia	43.6667N	40.2000E	450	
Krasnodar	KGUR	Krasnodarskiy Kray,Russia	45.0216N	39.0297E	66	
Krasnogorka	KRS	Kazakhstan	43.2500N	75.1667E		
Krasnovodsk	KRF	Turkmenistan	40.0130N	53.0030E	10	
Krasnoyarsk	KRAR	Krasnoyarskiy Kray,Russia	56.0120N	92.8729E	123	From 1999-12-24
Krefeld	NE39	Nordrhein-Westfalen,Germany	51.3425N	6.5375E	40	
Kremmling	O22A	Colorado,U.S.A.	40.1618N	106.5470W	2747	From 2008-06-21
Kremsmunster	KMR	Austria	48.0565N	14.1319E	379	From 1958-01-01
Kreppuhraun	IKRE	Iceland	64.7837N	16.3828W	760	From 2006-11-01
Krestovskiy	KRSR	Kamchatskaya Oblast',Russia	56.2169N	160.5653E	1120	
Krib	KRIT	Tunisia	36.3383N	9.0748E	640	
Kristallenia	KRIS	Crete,Greece	35.1780N	25.5030E	850	
Krokottuvotn	IKVO	Iceland	65.7140N	16.8810W	572	From 2002-06-23
Krokur	IKRO	Iceland	64.0980N	21.1200W	147	From 1996-10-08
Kronoki	KRN	Kamchatskaya Oblast',Russia	54.5961N	161.1339E	50	
Krupnik	KKB	Bulgaria	41.8667N	23.0833E	434	
Krusevo	KRUS	Former Yugoslav Rep. of Macedonia	41.3689N	21.2488E	1015	From 2006-09-01
Krutoberegovo	KBG	Kamchatskaya Oblast',Russia	56.2550N	162.7050E	30	
Krutoberegovo 1	KBTR	Kamchatskaya Oblast',Russia	56.2081N	162.8189E	200	
Krutsinger Ranch, Parks	O28A	Nebraska,U.S.A.	40.1262N	101.7735W	1032	From 2009-05-28
Krysuvik	IKRI	Iceland	63.8780N	22.0760W	146	From 1992-12-01
Ksara	KSA	Lebanon	33.8233N	35.8900E	920	
Ksar Es Souk	KES	Morocco	31.9950N	4.4550W	1124	From 1973-02-01 to 1976-10-31
Kshj	KSHJ	Jordan	30.2740N	36.9660E	1005	From 1995-08-01
Ksiaz	KSP	Poland	50.8428N	16.2931E	353	From 1970-01-01
KU8	KU8	Finland	66.0287N	27.9436E	270	From 2009-09-25
Kuala Lumpur	KLM	Peninsular Malaysia,Malaysia	3.1025N	101.6450E	46	
Kuala Trengganu	KTGM	Peninsular Malaysia,Malaysia	5.3280N	103.1340E	56	From 1994-01-01
Kuala Trengganu	KTMY	Peninsular Malaysia,Malaysia	5.3283N	103.1356E	33	
Kuangyinshan	TWS1	Taiwan region	25.1008N	121.4177E	60	From 1981-01-05
Kuaotunu	KUZ	North Island,New Zealand	36.7471S	175.7200E	40	From 1990-10-11
Kubaka	GOLD	Magadanskaya Oblast',Russia	63.6780N	159.9570E	726	From 2003-01-14
Kubataba	KUBR	Stavropol'skiy Kray,Russia	43.8000N	43.4097E	665	
Kubokawa	JKU	Kochi,Japan	33.3095N	133.0633E	340	
Kucevo	KUBS	Serbia	44.4123N	21.6749E	389	From 2010-07-14
Kuching	KSM	Sarawak,Malaysia	1.4733N	110.3083E	66	
Kuchinoerabu	JKC	Ryukyu Islands,Japan	30.4620N	130.1957E	20	
Kuchiyama	KCY	Tokushima,Japan	33.9970N	134.1422E	260	
Kucino	KUC	Moskovskaya Oblast',Russia	55.7500N	37.9667E	155	
Kudamatsu	JKD	Yamaguchi,Japan	34.0540N	131.8738E	220	
Kudat	KDM	Sabah,Malaysia	6.9160N	116.8330E	3	
Kuemmerle Ranch, Upton	I24A	Wyoming,U.S.A.	43.8594N	104.6263W	1338	From 2008-10-23
Kufra	KFRA	Syria	35.2125N	36.7996E	650	From 1994-12-01
Kufra	LKFR	Libya	24.1613N	23.2122E	413	
Kugaaruk Camp, Nunavut	KUGN	Nunavut,Canada	68.0898N	90.0616W	165	From 2007-08-18
Kugluktuk,NWT	KUKN	Northwest Territories,Canada	67.8226N	115.0899W	320	From 2010-07-21
Kukesi	KKS	Albania	42.0756N	20.4113E	300	
Kukul	KKG	Guatemala	14.9750N	92.0360W	960	From 1979-11-01
Kukurantumi	KUK	Ghana	6.1890N	0.3690W	198	From 1973-03-01
Kula-Manisa	KULA	Turkey	38.5144N	28.6607E	915	From 2007-02-21
Kul'dur	KLR	Yevreyskaya Avtonomnaya Oblast',Russia	49.2300N	131.7500E	298	From 1954-01-01
Kulet Umm Tiheiwat	NMAN	Egypt	23.9169N	33.0737E	255	
Kulim	KULM	Peninsular Malaysia,Malaysia	5.2900N	100.6500E	74	From 2003-11-01
Kulkuduk	KLKU	Uzbekistan	42.5400N	63.3000E	361	
Kullorsuaq	KULLO	Greenland	74.5805N	57.2201W	44	From 2009-07-17
Kultieth River Mountain	KULT	Alaska,U.S.A.	60.2479N	142.7214W	1006	
Kulu	KULU	Turkey	39.0426N	33.0023E	1121	From 2010-06-29
Kuludalsa	IKUD	Iceland	64.3210N	21.8750W	28	From 1996-06-28
Kulusuk, Greenland	KULG	Greenland	65.5752N	37.1788W	50	From 2004-08-02
Kulyab	KUL	Tajikistan	37.9000N	69.7800E	605	
Kumagaya	KMG	Saitama,Japan	36.1466N	139.3833E	31	
Kumamoto	KUM	Kumamoto,Japan	32.8100N	130.7100E	39	
Kumamoto 2	KUMJ	Kumamoto,Japan	32.5350N	130.8280E	170	
Kumano	KMN	Wakayama,Japan	33.9677N	136.0580E	300	
Kumaryk	KUMR	Uzbekistan	41.2000N	69.3000E	404	
Kumba	KBC	Cameroon	4.6531N	9.4131E	375	From 1985-03-17
Kumbag-Tekirdag	SBT4	Turkey	40.8281N	27.5354E	-1144	From 2010-12-22
Kume jima	KMJ	Ryukyu Islands,Japan	26.3350N	126.8067E	4	
Kume jima 2	JKE	Ryukyu Islands,Japan	26.3260N	126.7860E	71	
Kumisi	KMSG	Georgia	41.6211N	44.7754E	420	From 1982-01-01
Kumisi	KYM	Georgia	41.6300N	44.7300E	420	
Kumluca	MARK	Turkey	36.2748N	30.4356E	973	From 2003-12-08
Kumora	KMO	Buryatiya,Russia	55.8869N	111.2006E	480	
Kumora	KUM*	Buryatiya,Russia	55.8869N	111.2006E	480	
Kumukh	KMKR	Dagestan,Russia	42.1311N	47.0989E	1950	
Kundal	KUDL	Haryana,India	28.1442N	76.4892E	0	
Kunene	KNN	Congo (Kinshasa)	1.4800S	29.0670E	1800	
Kuni	JGK	Gumma,Japan	36.5620N	138.6397E	645	
Kunigami	JOW	Ryukyu Islands,Japan	26.8322N	128.2745E	220	
Kunimi	JKI	Oita,Japan	33.6323N	131.5690E	120	
Kunming	KUN	Yunnan,China	25.1233N	102.7400E	1945	
Kunming	KMI	Yunnan,China	25.1233N	102.7400E	1940	
Kunneppu	KNP	Abashiri,Japan	43.7599N	143.7124E	190	
Kunszentmiklos	PKS7	Hungary	47.0473N	19.1609E	95	
Kununurra	KNA	Western Australia,Australia	15.7500S	128.7667E	150	From 1965-11-01 to 2008-08-20
Kununurra	KNRA	Western Australia,Australia	15.6769S	128.7627E	101	From 2008-08-21
Kuosheng	TWX	Taiwan region	25.1988N	121.6616E	40	From 1975-01-10
Kupang	KUP	Timor,Indonesia	10.1678S	123.5860E	52	
Kupang	KUG	Timor,Indonesia	10.1513S	123.6050E	52	From 1973-01-01
Kupang	KUPT	Timor,Indonesia	10.1513S	123.6050E		
Kupiano	KPN	Papua New Guinea	10.0746S	148.1810E	20	
Kupiano	KUPN	Papua New Guinea	10.0769S	148.1840E	10	From 1983-12-14
Kurahashi	JHM	Hiroshima,Japan	34.1395N	132.5293E	60	
Kuranda	KDA	Queensland,Australia	16.8250S	145.6300E	365	From 1959-11-01 to 1964-12-31
Kurayoshi	KYTD	Tottori,Japan	35.4392N	133.8339E	100	
Kurayoshi	JKR	Tottori,Japan	35.3783N	133.8198E	174	
Kurchatov	KURK	Kazakhstan	50.7154N	78.6202E	184	From 1995-03-26
Kurchatov Array	KURBB	Kazakhstan	50.6226N	78.5304E	200	From 2006-09-20
Kurchatov Array Site 1	KUR01	Kazakhstan	50.7216N	78.5634E	163	From 2006-09-20
Kurchatov Array Site 10	KUR10	Kazakhstan	50.5236N	78.4977E	203	From 2006-09-20
Kurchatov Array Site 11	KUR11	Kazakhstan	50.6019N	78.6863E	200	From 2006-09-20
Kurchatov Array Site 12	KUR12	Kazakhstan	50.6061N	78.6551E	202	From 2006-09-20
Kurchatov Array Site 13	KUR13	Kazakhstan	50.6102N	78.6242E	224	From 2006-09-20
Kurchatov Array Site 14	KUR14	Kazakhstan	50.6144N	78.5927E	217	From 2006-09-20
Kurchatov Array Site 15	KUR15	Kazakhstan	50.6185N	78.5615E	198	From 2006-09-20
Kurchatov Array Site 16	KUR16	Kazakhstan	50.6269N	78.4993E	193	From 2006-09-20
Kurchatov Array Site 17	KUR17	Kazakhstan	50.6318N	78.4690E	184	From 2006-09-20
Kurchatov Array Site 18	KUR18	Kazakhstan	50.6353N	78.4368E	191	From 2006-09-20
Kurchatov Array Site 19	KUR19	Kazakhstan	50.6394N	78.4057E	180	From 2006-09-20
Kurchatov Array Site 2	KUR02	Kazakhstan	50.7017N	78.5566E	167	From 2006-09-20
Kurchatov Array Site 20	KUR20	Kazakhstan	50.6436N	78.3746E	182	From 2006-09-20
Kurchatov Array Site 21	KUR21	Kazakhstan	50.6222N	78.5311E	240	
Kurchatov Array Site 3	KUR03	Kazakhstan	50.6820N	78.5500E	173	From 2006-09-20
Kurchatov Array Site 4	KUR04	Kazakhstan	50.6622N	78.5434E	176	From 2006-09-20
Kurchatov Array Site 5	KUR05	Kazakhstan	50.6424N	78.5366E	181	From 2006-09-20
Kurchatov Array Site 6	KUR06	Kazakhstan	50.6028N	78.5239E	194	From 2006-09-20
Kurchatov Array Site 7	KUR07	Kazakhstan	50.5831N	78.5172E	200	From 2006-09-20
Kurchatov Array Site 8	KUR08	Kazakhstan	50.5632N	78.5108E	199	From 2006-09-20
Kurchatov Array Site 9	KUR09	Kazakhstan	50.5433N	78.5043E	199	From 2006-09-20
Kurday	KRD	Kazakhstan	43.3833N	75.0500E	900	
Kurdemir	KDMR	Azerbaijan	40.3760N	48.1840E	39	From 2009-10-26
Kurdzhali	KDZ	Bulgaria	41.6500N	25.4167E	409	
Kure	KRE	Hiroshima,Japan	34.2333N	132.5670E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kuril'sk	KUR	Sakhalinskaya Oblast',Russia	45.2333N	147.8667E	25	
Kurino-dake	KV04	Miyazaki,Japan	31.9422N	130.8133E	1020	
Kurkur	AKUR	Egypt	23.8940N	32.7760E		
Kurmenty	KRM	Kazakhstan	42.9870N	78.2750E	2151	
Kuroka	JGF	Gifu,Japan	35.6008N	137.3572E	580	
Kuromamegawa	KMGE	Nagano,Japan	36.4200N	138.5456E	1557	
Kuro-shima	JKRS	Ryukyu Islands,Japan	24.2375N	124.0092E	9	
Kuroyon	KYJ	Toyama,Japan	36.5640N	137.6692E	1390	
Kurravaara	KUA	Sweden	67.9542N	20.3368E	360	
Kurtkulagi	KRTT	Turkey	36.9220N	35.8810E	100	From 1994-01-01
Kurty	KUU	Kazakhstan	43.8930N	76.3390E	550	
Kurukshetra	KKR	Haryana,India	29.9615N	76.8207E	257	From 1974-01-01
Kurvinen	KU1	Finland	65.5646N	29.5583E	240	From 2003-06-26
Kurzu	KRYG	Georgia	42.5826N	42.2841E	310	From 1973-01-01
Kushihara	KHJ	Gifu,Japan	35.2576N	137.4088E	343	
Kushima	JJK	Miyazaki,Japan	31.4800N	131.2847E	235	
Kushima--Naru	JNAR	Miyazaki,Japan	31.5265N	131.2717E	80	
Kushiro	KUS	Kushiro,Japan	42.9750N	144.3917E	33	
Kushiro	KSUJ	Kushiro,Japan	43.1000N	144.7950E	-30	From 1978-01-01
Kushiro	KUSJ	Kushiro,Japan	43.1000N	144.7950E	-30	From 1978-01-01
Kuta	KUTA	Papua New Guinea	5.9200S	144.2233E	2017	
KUTAHYA	AUKUT	Turkey	39.9555N	30.0213E	1085	From 2010-06-20
Kutsugahara	KUT	Hiroshima,Japan	34.9528N	132.8160E	336	From 1968-05-06 to 1974-12-27
Kuturchin	KTRR	Krasnoyarskiy Kray,Russia	54.9377N	94.2144E	350	From 2004-11-26
Kutztown	KTZ	Pennsylvania,U.S.A.	40.5117N	75.7800W	148	From 1967-10-01
Kuujjuuaa	KUQ	Quebec,Canada	58.1090N	68.4113W	54	From 1990-01-21
Kuzuini	KUZU	Turkey	36.7735N	37.0750E	701	From 2007-12-07
Kuzumaki	JKZ	Iwate,Japan	39.9845N	141.3298E	620	
Kvetna	KVC	Czech Republic	50.2059N	12.5152E	580	From 2003-05-14
Kwajalein Atoll	KWAJ	Marshall Islands	8.8019N	167.6130E		
Kwanting	KWNG	Beijing,China	40.2400N	115.6050E	0	From 1955-01-01
Kyakhta	KYA	Buryatiya,Russia	50.3667N	106.4500E		
Kyburz Flat	KBF	California,U.S.A.	39.5068N	120.2120W	2079	From 1973-04-01
Kyle	KYL	Scotland,United Kingdom	57.3197N	5.6506W	105	From 1984-01-01 to 1986-04-18
Kyoto	KYO	Kyoto,Japan	35.0117N	135.7350E	42	
Ky Son	KSVV	Vietnam	20.8750N	105.3590E	30	From 2005-03-15
Kythira	KTHR	Crete,Greece	36.2606N	23.0042E	315	From 2007-05-01
Kyzart	KZA	Kyrgyzstan	42.0778N	75.2496E	3520	
Kyzyl	KZLR	Krasnoyarskiy Kray,Russia	51.7050N	94.4538E	603	From 2003-12-24
Kyzyl-Adyr	KZAD	Kyrgyzstan	42.6590N	71.6000E	900	
Kyzyldzhar	KYZD	Tajikistan	41.5500N	70.0100E	1428	
Kziot	KZIT	Israel	30.9063N	34.3972E	248	
La Aguada	AGV	Venezuela	8.5630N	71.0900W	3516	
La Almunia	NE11*	Spain	41.4770N	1.3720W	370	
Labasa	LBSA	Fiji	16.5540S	179.2890E	185	
Labassere	LABF	Midi-Pyrenees,France	43.0475N	0.0737E	750	From 1997-03-01
la Bastide-des-Jourdans	BSTF	Provence-Cote d'Azur,France	43.8800N	5.6450E	500	From 2010-07-08
Labe	LABG	Guinea	11.2328N	12.3322W	1130	From 1991-07-01
Labete	LBT	Solomon Islands,Papua New Guinea	8.3167S	157.2670E		
Labuha	LBMI	Bacan	0.6379S	127.5008E	114	From 2005-01-01
Labuhan Bajo, Sumatra	LBFI	Flores,Indonesia	8.4800S	119.8900E	123	From 2008-12-01
Lac	LACI	Albania	41.6363N	19.7094E	55	
Lac	LACR	Severo-Osetinskaya,Russia	42.8255N	44.2958E	1287	From 2004-08-13
La Casta Ranch, Jordon	D21A	Montana,U.S.A.	47.0658N	106.9939W	934	From 2008-08-21
Lac Aux requins	LARD	Djibouti	11.5787N	42.5066E	100	From 1999-01-01
Lac Daran	DAQ	Quebec,Canada	47.9644N	71.2425W	939	From 1988-12-15
Lac de Gras North	LDGN	Northwest Territories,Canada	64.6786N	110.5224W	422	
Lac de Gras South	LGSN	Northwest Territories,Canada	64.3337N	110.1307W	440	
Lac de Lave	LDLD	Djibouti	11.5837N	42.4985E	137	From 1987-01-01
Lac des Isle Mine	LDIO	Ontario,Canada	49.1750N	89.5955W	500	
Lac-des-Plages	DHLQ	Quebec,Canada	45.9963N	74.8853W	193	
Lac du Bonnet	ULM	Manitoba,Canada	50.2497N	95.8750W	281	From 1984-09-04
LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	LBCA	Manitoba	50.2015N	96.0269W	247	From 1999-05-04
La Ceiba	CEIV	Venezuela	9.4098N	71.0359W	4	
La Ceiba	LCBS	El Salvador	13.6550N	88.9783W	710	From 1991-12-01
La Chapelle	CABF	Franche Comte,France	46.6111N	6.0875E	1070	From 1996-04-03
La Chartreuse	BLCH	Belgium	50.6395N	5.5988E	100	From 1991-02-01
La Chataigneraie	LCHF	Poitou-Charentes,France	46.6693N	0.7417W	166	
La Clusaz	OG04	Rhone-Alpes,France	45.9137N	6.4380E	1330	From 1991-09-11
Lacona	LCNA	New York,U.S.A.	43.6442N	75.9260W	396	
La Concha	LHG	Guatemala	14.4450N	91.1825W	600	From 1979-05-01
Laconia	LANH	New Hampshire,U.S.A.	43.5910N	71.4900W	200	
Lacq	LACL	Aquitaine,France	43.4350N	0.7269W	195	
Lacq-Usine	USIL	Aquitaine,France	43.4169N	0.6378W	95	
La Cruz	CRUC	Colombia	1.4987N	76.9523W	2743	From 1994-01-01
La Cruz	CRZC	Costa Rica	10.9533N	85.5967W	325	
Lac Salanfe	SALAN	Switzerland	46.1441N	6.9730E	1885	From 2001-07-11
Lac Senin/Sanetsch	SENIN	Switzerland	46.3633N	7.2993E	2035	From 2002-02-06
Lac Sinclair, Quebec	LSQ1	Quebec,Canada	45.7898N	76.1525W	215	From 2007-06-30
La Cuchilla	LACU	Venezuela	7.8767N	71.3906W	800	From 1984-01-01
La Cueva	LCV	New Mexico,U.S.A.	35.8828N	106.6740W	2652	From 1973-09-01 to 1999-08-25
La Culata	CUV	Venezuela	8.7490N	71.0600W	2940	
La Cumbre	CMG	Guatemala	14.6707N	89.7853W	1802	
La Cumbre 2	CMG2	Guatemala	14.6608N	89.7867W	1710	From 1988-01-01
La Cumbre Peak	LPC	California,U.S.A.	34.4965N	119.7130W	1190	From 1969-11-01
La Danta	LADA	Venezuela	7.9389N	71.6131W	1200	From 1984-01-01
Ladd Mountain	LMW	Washington,U.S.A.	46.6680N	122.2910W	1195	From 1975-06-30
La Desirade	DEG	Guadeloupe	16.3132N	61.0598W	575	From 1988-03-01
La Diana	DIAC	Colombia	3.2913N	76.1973W	1520	From 1987-01-01
La Diferencia	DR6	Dominican Republic	19.2328N	70.9915W		
La Diferencia	DR06	Dominican Republic	19.2328N	70.9915W		
Ladik-KONYA	LADK	Turkey	38.2000N	32.3648E	1168	From 2007-06-19
Ladron	LAZ	New Mexico,U.S.A.	34.4020N	107.1390W	1853	
Ladron Mountain	LAD	New Mexico,U.S.A.	34.4583N	107.0370W	1768	From 1976-01-01
La Druitiere	LDF	Basse-Normandie,France	48.5936N	0.1222W	290	From 1982-09-28
Lady	LDJ	Utah,U.S.A.	40.5815N	111.4087W	2217	From 1992-09-30
Lae	LAE	Papua New Guinea	6.6731S	146.9130E	50	From 1966-01-01 to 1970-05-18
Lae	LAT	Papua New Guinea	6.6651S	147.0020E	72	From 1970-05-18
Lae--Mount Lunaman	LML	Papua New Guinea	6.7351S	147.0090E	100	From 1979-01-01
Lafayette	LA-GA	Georgia,U.S.A.	34.8572N	85.4500W	610	From 1965-12-03 to 1965-12-13
Lafayette	LAF	Rhode Island,U.S.A.	41.5508N	71.5067W	40	From 1976-03-25 to 1977-06-10
Lafayette	LA-	Georgia,U.S.A.	34.8572N	85.4500W	610	From 1965-12-03 to 1965-12-13
La Foliniere	FLN	Basse-Normandie,France	48.7625N	0.4819W	240	
La Follette	LF-TN	Tennessee,U.S.A.	36.4697N	83.8286W	366	
La Follette	LF-	Tennessee,U.S.A.	36.4697N	83.8286W	366	
La Foret Royale	FRF	Provence-Cote d'Azur,France	43.5607N	6.6468E	310	From 1981-07-01
La Frestale	LFF	Aquitaine,France	44.9395N	0.7402E	200	From 1985-07-17
La Fuente	LFU	El Salvador	13.7487N	89.1138W	732	
Lagarterita	LGT	Panama	9.0745N	79.9150W	50	
Lagoa do Fogo	LFA	Azores,Portugal	37.7726N	25.4831W	693	From 1981-01-01
Lago Colima	CLMC	Colombia	3.8814N	76.5630W	1480	From 1988-11-01
Lago de Cote	AR2	Costa Rica	10.5614N	84.8933W	763	
Lagodekhi	LGD	Georgia	41.8347N	46.2423E	420	From 1968-01-01
Lago del Serru	LSD	Italy	45.4595N	7.1343E	2285	From 1985-01-01
La Gomera	EGOM	Canary Islands,Spain	28.1594N	17.2096W	0	From 2003-05-19
La Gonave Hosp	WSYH	Haiti	18.8330N	72.8628W	29	
Lagor	LAGL	Aquitaine,France	43.4061N	0.6650W	190	
Lago Ritom (SBB)	RITOM	Switzerland	46.5345N	8.6780E	1822	From 2005-12-15
La Grande	LCQ	Quebec,Canada	53.5411N	76.9731W	293	From 1978-10-13
La Grande	LAQ	Quebec,Canada	53.8073N	77.0200W	183	From 1978-10-15
La Grande	LBQ	Quebec,Canada	53.5360N	77.3540W	183	From 1979-07-27
La Grande	LDQ	Quebec,Canada	53.8061N	77.4281W	198	
La Grande	LTQ	Quebec,Canada	53.7017N	76.0850W	313	From 1980-05-01 to 1982-11-17
La Grande	LGQ	Quebec,Canada	53.6920N	77.7250W	190	From 1976-08-04 to 1980-05-17
La Grande	LGOR	Oregon,U.S.A.	45.2164N	118.0010W	1200	From 1991-07-01
La Grande 3	JAQ	Quebec,Canada	53.8022N	75.7211W	366	From 1981-03-23 to 1999-08-25
La Grande 3	JBQ	Quebec,Canada	53.6103N	75.6053W	381	
La Grande 3	JCQ	Quebec,Canada	53.4672N	75.8242W	320	
La Grande 3	LXQ	Quebec,Canada	53.7223N	76.0222W	195	From 1986-12-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
La Grande 3	LRQ	Quebec,Canada	53.7014N	76.0589W	284	From 1984-04-02
La Grande 4	LG4Q	Quebec,Canada	53.6269N	74.0972W	168	
La Grande 4	KAQ	Quebec,Canada	53.9833N	73.5230W	472	From 1983-01-01 to 1984-03-12
La Grande 4	KCQ	Quebec,Canada	53.8328N	73.1319W	457	From 1983-01-01 to 1984-03-11
La Grande 4	KBQ	Quebec,Canada	53.9778N	73.2850W	472	From 1983-01-01 to 1984-03-11
La Grande 4	LQQ	Quebec,Canada	53.8458N	73.4883W	311	From 1983-02-23 to 1984-03-11
La Grange	LGAR	Arkansas,U.S.A.	34.6520N	90.6560W	100	From 1979-08-07
Lagu-Hvolar	IHVO	Iceland	63.5260N	18.8480W	196	From 1999-10-20
Laguna Cedeˆ–o	CEDE	Costa Rica	10.4868N	84.7035W	686	From 2000-01-01
Laguna Cube	LGCB	Ecuador	0.3821N	79.5753W	160	From 2008-12-03
Laguna Mountains	LGA	Arizona,U.S.A.	32.7597N	114.4930W	68	
Laguna Peak	BLG	California,U.S.A.	34.1095N	119.0640W	415	From 1969-11-01
Laguna Tiscapa	TISN	Nicaragua	12.1425N	86.2693W	200	
Laguna Verde	LAV	Valparaiso,Chile	33.0874S	71.7462W	60	
Laguna Verde	LVIG	Veracruz,Mexico	19.7232N	96.4177W	41	
Laguna Verde	LVVM	Veracruz,Mexico	19.7380N	96.4488W		From 1988-01-01
Laguneta	LAGU	Venezuela	9.7700N	69.7650W	800	From 1986-01-01
Lagunillas	LGN	Venezuela	10.1450N	71.2700W	-3	From 1969-08-01
Lagunillas	LAGV	Venezuela	10.2239N	71.1593W	100	
Lahad Datu	MYLDM	Sabah,Malaysia	5.1800N	118.5000E	0	From 2006-03-24
Lahat	LHSI	Sumatera,Indonesia	3.8267S	103.5233E	0	From 2007-12-01
La Hesperia	HSPR	Ecuador	0.3515S	78.8502W	1387	From 2008-11-24
La Honda	LT5	California,U.S.A.	37.3313N	122.2800W	226	From 1966-12-18 to 1970-05-01
Lahore	LAH	Pakistan	31.5500N	74.3333E	210	From 1952-01-01 to 1968-12-31
Laichau	LUV	Vietnam	22.0519N	103.1590E	1100	
Lai Chau	LCVN	Vietnam	22.0387N	103.1543E	1100	
L'Aileron	AIL	Martinique	14.8010N	61.1080W	879	From 1971-03-01 to 1999-08-25
Lailor River, Nunavut	LAIN	Northwest Territories,Canada	69.1086N	83.5361W	320	From 2005-08-18
Lajitas	LTX	Texas,U.S.A.	29.3339N	103.6670W	1013	From 1984-09-12
Lajitas Array Beam Reference Point	TXAR	Texas,U.S.A.	29.3338N	103.6670W	1013	
Lajitas Array Site 10	TX10	Texas,U.S.A.	29.3307N	103.7025W	1033	
Lajitas Array Site 2	TX02	Texas,U.S.A.	29.3297N	103.6575W	952	
Lajitas Array Site 3	TX03	Texas,U.S.A.	29.3310N	103.6740W	990	
Lajitas Array Site 4	TX04	Texas,U.S.A.	29.3397N	103.6672W	1013	
Lajitas Array Site 5	TX05	Texas,U.S.A.	29.3202N	103.6523W	957	
Lajitas Array Site 6	TX06	Texas,U.S.A.	29.3187N	103.6815W	1007	
Lajitas Array Site 7	TX07	Texas,U.S.A.	29.3397N	103.6890W	1038	
Lajitas Array Site 8	TX08	Texas,U.S.A.	29.3510N	103.6765W	1015	
Lajitas Array Site 9	TX09	Texas,U.S.A.	29.3433N	103.6598W	1001	
Lajitas Ar. Site	TX00	Texas,U.S.A.	29.3338N	103.6670W	1013	
Lajitas Ar. Site	TX31	Texas,U.S.A.	29.3342N	103.6678W	1025	
Lajitas B3	LTB3	Texas,U.S.A.	29.3397N	103.6672W	1013	
La Jolla	LJC	California,U.S.A.	32.8633N	117.2530W	8	From 1927-05-05 to 1975-11-30
La Jonquera	EJON	Spain	42.4487N	2.8886E	570	
La Joya	LJY	New Mexico,U.S.A.	34.3365N	106.8960W	1532	
Lake	LKWY	Wyoming,U.S.A.	44.5652N	110.4000W	2424	From 1995-10-19
Lake Benmore	LBZ	South Island,New Zealand	44.3872S	170.1842E	423	From 2004-06-04
Lake Butte	YPLB	Wyoming,U.S.A.	44.5113N	110.2720W	2565	
Lake Butte	YPLA	Wyoming,U.S.A.	44.5127N	110.2687W	2580	
Lake Chabot	LKC	California,U.S.A.	37.7380N	122.0640W	312	From 1972-11-21 to 2008-07-16
Lake Chabot	CLCB	California,U.S.A.	37.7379N	122.0649W	309	
Lake Chabot	CLCM	California,U.S.A.	37.7380N	122.0640W	312	From 1972-11-21 to 2008-07-16
Lake Charles	LCAR	Arkansas,U.S.A.	36.0695N	91.1543W	103	
Lake De Bois	LDBN	Northwest Territories,Canada	66.7219N	124.9431W	294	From 2010-07-17
Lake Erie College	LECO	Ohio,U.S.A.	41.7090N	81.2500W	204	
Lake Granby, Granby	O23A	Colorado,U.S.A.	40.2109N	105.9178W	2635	From 2008-07-06
Lakehead University	LHC	Ontario,Canada	48.4167N	89.2667W	196	From 1969-02-28 to 1986-09-24
Lake Helena	LHM	Montana,U.S.A.	46.6756N	111.9430W	1117	From 1974-10-09 to 1976-10-04
Lake Herman	NLHM	California,U.S.A.	38.1198N	122.1480W	177	
Lake Hughes	LHU	California,U.S.A.	34.6710N	118.4110W	1036	From 1976-06-01
Lake Junction	YPLK	Wyoming,U.S.A.	44.5697N	110.3865W	2390	
Lakeland CC	LCCO	Ohio,U.S.A.	41.6380N	81.3640W	231	
Lake Margaret	MARG	Tasmania,Australia	41.9995S	145.5516E	700	
Lake Mead	LM-	Nevada,U.S.A.	36.5825N	114.5353W	536	From 1961-11-25 to 1962-05-14
Lake Mead	LM-NV	Nevada,U.S.A.	36.5825N	114.5353W	536	From 1961-11-25 to 1962-05-14
Lake Mikany	MIKA	Tasmania,Australia	40.8781S	145.1811E	40	
Lake Minchumina	CHUM	Alaska,U.S.A.	63.8827N	152.3147W	58	
Lake Moeraki	LMZ	South Island,New Zealand	43.7183S	169.2710E	10	From 1990-11-09
Lake Mountain	LMUT	Utah,U.S.A.	40.3151N	111.9320W	1593	
Lake Mountain	LMU	Utah,U.S.A.	40.2831N	111.9370W	2316	From 1974-09-01 to 1980-03-31
Lake Ozonia	LOZ	New York,U.S.A.	44.6197N	74.5829W	440	
Lake Ozonia	LONY	New York,U.S.A.	44.6197N	74.5829W	440	
Lake Rotokare	LREZ	North Island,New Zealand	39.4602S	174.4027E	220	From 2010-01-27
Lake Shores	LSU	Utah,U.S.A.	40.1322N	111.7301W	1375	
Lakeside	LSCT	Connecticut,U.S.A.	41.6784N	73.2244W	318	From 1993-08-04 to 2007-02-06
Lake Taylor	LTZ	South Island,New Zealand	42.7828S	172.2690E	640	From 1989-11-01
Lakeview	LKVW	Oregon,U.S.A.	42.2242N	120.3596W	1512	From 2007-05-01
Lakeview	L05A	Oregon,U.S.A.	42.0472N	120.8336W	1751	From 2006-06-16 to 2007-10-24
Lakeview Peak	LVP	Washington,U.S.A.	46.0683N	122.4080W	1170	
Lakeview Retreat	LRAL	Alabama,U.S.A.	33.0348N	86.9978W	130	
Lake Wenatchee	LW-	Washington,U.S.A.	47.8456N	120.9017W	762	
Lake Wenatchee	LW-WA	Washington,U.S.A.	47.8456N	120.9017W	762	
Lake Whitney	WHTX	Texas,U.S.A.	31.9913N	97.4561W	190	From 2009-02-11
Lake Wisdom	LKW	Papua New Guinea	5.3350S	147.0650E	150	
Lake Woodford	WOOD	New South Wales,Australia	33.6979S	150.4855E	420	
Lakewood Golf Course	LGC	California,U.S.A.	33.8358N	118.1500W	17	From 1971-07-07 to 1974-03-15
Lakka	LAKA	Greece,Greece	38.2401N	21.9785E	505	From 2008-01-01
Lale Fork Canyon	LFC	New Mexico,U.S.A.	35.8769N	106.6650W	2451	
La Lomota	DR5	Dominican Republic	19.6349N	70.8596W		
La Lomota	DR05	Dominican Republic	19.6349N	70.8596W	660	
La Lucha	LCR	Costa Rica	9.7384N	84.0016W	1400	From 1978-01-01 to 1982-11-30
La Lucha 2	LCR2	Costa Rica	9.7422N	84.0030W	1730	From 1982-11-01
La Lucha Farm	LLC	Costa Rica	9.6654N	83.9991W	1400	From 1966-02-01 to 1978-01-31
Lama dei Peligni	LPEL	Italy	42.0468N	14.1832E	760	From 2008-04-11
La Malbaie	LMQ	Quebec,Canada	47.5483N	70.3267W	419	From 1976-11-04
La Malbaie	LMBQ	Quebec,Canada	47.4700N	70.1500W	0	From 1979-09-19
Lamap	LMP	Vanuatu	16.4256S	167.8000E	60	
Lamas de Olo	POLO	Portugal	41.3738N	7.7942W	1060	From 2008-10-29
Lambert	C23A	Montana,U.S.A.	47.8026N	105.1844W	729	From 2008-09-09 to 2011-01-13
Lambert Chapel	LCAL	Alabama,U.S.A.	34.5225N	85.6302W	544	From 1983-02-24 to 1985-12-03
Lambom Island	ELB	New Ireland,Papua New Guinea	4.8038S	152.8300E	10	
Lamborn Mesa, Paonia	Q21A	Colorado,U.S.A.	38.8347N	107.5738W	1881	From 2007-12-04 to 2010-02-07
Lambtecht Ranch, Loup City	M31A	Nebraska,U.S.A.	41.3440N	98.9766W	699	From 2009-09-09
La Mesa Andrade	LMX	Sonora,Mexico	32.1087N	114.9600W		From 1988-01-01
Lamington	LMG	Papua New Guinea	8.9083S	148.1500E	1200	From 1970-01-01
Lamocks	LMC	Guangdong,China	23.2667N	117.2830E		
La Mourre	LMR	Provence-Cote d'Azur,France	43.3339N	6.5092E	200	
Lampang	LPT	Thailand	18.2167N	99.5500E	0	From 1976-02-01 to 1978-08-31
Lampedusa	LPD	Italy	35.5114N	12.5951E	20	From 1989-05-01
Lampeter	LPW	Wales,United Kingdom	52.1136N	4.0681W	152	
Lamto	LIC	Ivory Coast	6.2244N	5.0278W	105	From 1965-06-01
La Murta	EMUR	Spain	37.8422N	1.2405W	574	
Lancaster	LANC	California,U.S.A.	34.7270N	118.0510W	719	
Land-Between-the-Lakes	LLKY	Kentucky,U.S.A.	36.9220N	88.0970W	177	From 1985-01-01
Landers	LAC	California,U.S.A.	34.3898N	116.4120W	792	From 1968-08-01
Landfair	LDFC	California,U.S.A.	35.0781N	115.1096W	1209	
Lands Inn, Kimberly	H07A	Oregon,U.S.A.	44.5913N	119.5646W	1204	From 2006-08-15 to 2008-04-18
Landslide	LSW	Washington,U.S.A.	46.4813N	119.2453W	262	From 1970-06-01 to 1971-10-31
Lane BPA Site-SMO	LANE	Oregon,U.S.A.	44.0517N	123.2331W	120	From 2001-01-17
Lanestosa	ELAN	Spain	43.2317N	3.4340W	0	From 2003-03-28
Langara Island	LIB	British Columbia,Canada	54.2558N	133.0580W	35	From 1984-09-12
Lang Chanh	LAVN	Vietnam	20.1532N	105.2475E	50	From 2003-01-01
Langenberg	LANF	Alsace,France	48.9806N	7.8053E	500	
Langila	LAG	New Britain,Papua New Guinea	5.4556S	148.4330E	24	
Lang Ngam	LNVN	Vietnam	21.0770N	106.1540E	50	
Langsa, Aceh	LASI	Sumatera	4.4572N	97.9704E	13	
Lankaran	LNK	Azerbaijan	38.7500N	48.8600E	-18	From 1949-01-01 to 1984-01-01
Lannavaara	LANU	Sweden	68.0493N	21.9880E	500	From 2004-08-07
Lanshu	TWI	Taiwan region	22.0683N	120.5050E	20	From 1974-09-12

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Lanslevillard	LNS	Rhone-Alpes,France	45.2889N 6.9147E	1480	
Lanuvio	LAV9	Italy	41.6778N 12.6989E	300	From 2000-06-07
Lan-yu	LAY	Taiwan region	22.0387N 121.5510E	324	
Lan-yu	LYUB	Taiwan region	22.0017N 121.5840E	40	
Lanzarote	CLAN	Canary Islands,Spain	29.1031N 13.4761W	356	
Lanzhou	LAN	Gansu,China	36.0500N 103.8330E	1518	
Lanzhou	LCC	Gansu,China	36.0833N 103.6670E	1600	
Lanzhou	LZH	Gansu,China	36.0867N 103.8440E	1560	
La Palma	LPS	El Salvador	14.2922N 89.1619W	1000	
La Paz	LPX	Baja California,Mexico	24.1293N 110.4310W	7	From 2006-12-09
La Paz	LPB	Bolivia	16.5327S 68.0984W	3292	From 1962-02-01
La Paz	LZ-BV	Bolivia	16.2586S 68.4797W	3993	
La Paz	LAP	Baja California,Mexico	24.1600N 110.2800W	65	
La Paz	LPAZ	Bolivia	16.2879S 68.1307W	4774	
La Paz	LZ-	Bolivia	16.2586S 68.4797W	3993	
La Paz	LPIG	Baja California,Mexico	24.1020N 110.3080W	46	
La Pedrera	LAPE	Venezuela	7.5580N 71.5756W	327	From 1984-01-01
La Peregrina	LPR	Puerto Rico	18.3086N 65.8697W	580	From 1976-08-10 to 1999-08-25
La Plagne	LPG	Rhone-Alpes,France	45.4977N 6.7514E	2570	From 1985-06-01
La Plagne	LPL	Rhone-Alpes,France	45.5164N 6.7324E	2070	From 1986-07-01
La Plaine	DLPL	Dominica	15.3325N 61.2468W	300	From 2007-12-04
La Plaine Cafres	PCR	Reunion	21.1957S 55.5778E	2270	
La Plantade	PLDF	Auvergne,France	45.9698N 3.6212E	940	From 1983-06-01
La Plata	LPA	Buenos Aires,Argentina	34.9089S 57.9319W	14	From 1907-01-01
La Pocatiere	POC	Quebec,Canada	47.3644N 70.0408W	61	From 1972-01-21 to 1980-10-17
La Pocatiere	LPQ	Quebec,Canada	47.3408N 70.0093W	126	From 1980-06-06 to 2006-03-28
La Pryor	LP-TX	Texas,U.S.A.	29.1797N 99.6764W	274	From 1961-11-27 to 1962-05-16
La Pryor	LP-	Texas,U.S.A.	29.1797N 99.6764W	274	From 1961-11-27 to 1962-05-16
Lapseki	LPK	Turkey	40.3727N 26.7602E	200	
Lapu-Lapu	LLP	Cebu,Philippines	10.3170N 123.9660E	135	
La Quiaca	LQA	Jujuy,Argentina	22.1033S 65.6033W	3464	
L'Aquila	AQU	Italy	42.3539N 13.4019E	729	From 1952-01-01
L'Aquila	T0103	Italy	42.3618N 13.4245E	849	From 2009-04-06 to 2009-06-12
La Quinta	LAQC	California,U.S.A.	33.6280N 116.2800W	49	
La Rabassa	ARBS	Andorra	42.4467N 1.5490E	2145	From 2009-10-20
Laramie	LAR	Wyoming,U.S.A.	41.3144N 105.5830W	2400	From 1954-01-01 to 1977-12-31
Laramie	M23A	Wyoming,U.S.A.	41.4680N 105.7221W	2166	From 2008-07-15
Larch Mountain	VLMM	Oregon,U.S.A.	45.5385N 122.0390W	1158	
Laredo	933A	Texas,U.S.A.	27.6133N 99.2746W	214	From 2010-01-07
Lares	LRS	Puerto Rico	18.2914N 66.8446W	455	From 1977-02-15
La Roca	LARO	Costa Rica	9.7052N 84.0235W	2107	
La Roche-sur-Yon	LRYF	Poitou-Charentes,France	46.5787N 1.5472W	67	
Laroque-de-Fa	LRDF	Languedoc-Rousillon,France	42.9378N 2.5387E	400	From 2003-04-01
Larrau	LARF	Aquitaine,France	43.0380N 0.9875W	670	From 1997-10-30
Larroussi	LRO	Morocco	31.8370N 9.1500W	135	
Larsen Ranch, Manila	N18A	Utah,U.S.A.	40.9763N 109.6731W	1893	From 2007-07-24 to 2009-04-23
Larsen Ranch, Promontory	M15A	Utah,U.S.A.	41.4632N 112.4477W	1348	From 2007-02-12 to 2009-04-08
La Rua	ERUA	Spain	42.3927N 7.1425W	431	From 1987-05-01
La Rumorosa	RMX	Baja California,Mexico	32.6025N 116.0786W	1420	
La Rusia	RUSC	Colombia	5.9271N 73.0755W	3356	From 1994-01-01
Lasa Array	LASA	Montana,U.S.A.	46.6885N 106.2231W	902	
Lasa Array	LA0	Montana,U.S.A.	46.6885N 106.2231W	902	
LASA Array	LAO	Montana,U.S.A.	46.6885N 106.2231W	902	From 1966-01-01
LASA B Ring	LB2	Montana,U.S.A.	46.6350N 106.1630W	694	From 1966-01-01 to 1999-08-25
LASA B Ring	LB4	Montana,U.S.A.	46.7681N 106.2430W	717	From 1966-01-01 to 1999-08-25
LASA B Ring	LB1	Montana,U.S.A.	46.7522N 106.0920W	754	From 1966-01-01 to 1999-08-25
LASA B Ring	LB3	Montana,U.S.A.	46.6592N 106.3170W	723	From 1966-01-01 to 1999-08-25
LASA C Ring	LC3	Montana,U.S.A.	46.5742N 106.2500W	682	From 1966-01-01 to 1978-06-30
LASA C Ring	LC4	Montana,U.S.A.	46.7353N 106.3740W	764	From 1966-01-01 to 1978-06-30
LASA C Ring	LC1	Montana,U.S.A.	46.8394N 106.1270W	719	From 1966-01-01 to 1999-08-25
LASA C Ring	LC2	Montana,U.S.A.	46.6694N 106.0130W	779	From 1966-01-01 to 1978-06-30
LASA D Ring	LD3	Montana,U.S.A.	46.5497N 106.4800W	800	From 1966-01-01 to 1999-08-25
LASA D Ring	LD4	Montana,U.S.A.	46.9419N 106.3830W	713	From 1966-01-01 to 1978-06-30
LASA D Ring	LD1	Montana,U.S.A.	46.8397N 105.8890W	759	From 1966-01-01 to 1978-06-30
LASA D Ring	LD2	Montana,U.S.A.	46.5031N 106.0110W	661	From 1966-01-01 to 1978-06-30
LASA E Ring	LE4	Montana,U.S.A.	46.7608N 106.9170W	803	From 1966-01-01 to 1974-01-01
LASA E Ring	LE2	Montana,U.S.A.	46.5128N 105.3650W	610	From 1966-01-01 to 1974-01-01
LASA E Ring	LE1	Montana,U.S.A.	47.1628N 106.0560W	686	From 1966-01-01 to 1974-01-01
LASA E Ring	LE3	Montana,U.S.A.	46.1494N 106.3340W	761	From 1966-01-01 to 1974-01-01
LASA F Ring	LF2	Montana,U.S.A.	45.9094N 105.4860W	754	From 1966-01-01 to 1974-01-01
LASA F Ring	LF1	Montana,U.S.A.	47.3708N 105.1880W	740	From 1966-01-01 to 1974-01-01
LASA F Ring	LF3	Montana,U.S.A.	45.9728N 107.0820W	837	From 1966-01-01 to 1974-01-01
LASA F Ring	LF4	Montana,U.S.A.	47.4111N 106.9440W	707	From 1966-01-01 to 1974-01-01
Las Animas	S27A	Colorado,U.S.A.	37.6837N 102.8982W	1439	From 2008-12-15
Las Aradas	LHAH	Honduras	14.0500N 87.4083W	1650	
Las Brisas	LBRS	El Salvador	13.7383N 89.0433W	770	From 1991-12-01
Las Campanas	LCO	Coquimbo,Chile	29.0111S 70.7010W	2299	
Las Canadas	CCAN	Canary Islands,Spain	28.2217N 16.6050W	2210	
Las Cruces	LC-	New Mexico,U.S.A.	32.4022N 106.5994W	1585	
Las Cruces	LC-NM	New Mexico,U.S.A.	32.4022N 106.5994W	1585	
Las Cruces	LCCH	Santiago,Chile	33.4753S 71.5697W	180	From 1987-11-17
La Serena	LSCH	Coquimbo,Chile	29.9080S 71.2450W	52	
Las Flores	FLS	Guatemala	13.8943N 90.0658W	180	
Las Flores	AIES	El Salvador	13.4564N 89.0514W	39	
Las Granadillas	GRDS	El Salvador	13.7583N 89.2917W	1500	From 1991-12-01
Lasithi	LAST	Crete,Greece	35.1611N 25.4786E	870	
Lasjerd	ILAS	Iran	35.3822N 52.9589E	2195	From 1999-05-01
Las Lajas	LJX	Veracruz,Mexico	19.5383N 97.1492W	3050	From 1983-04-01
Las Lilas	GBS2	Costa Rica	10.8370N 85.4527W	392	From 2000-01-01
Las Melosas	LMEL	Santiago,Chile	33.8476S 70.2034W	1540	
Las Mercedes	MERV	Venezuela	9.2510N 66.2970W	156	From 2001-11-16
Las Mercedes	LMGC	Cuba	20.0640N 77.0050W		
Las Mesas	LSP	Puerto Rico	18.1757N 67.0858W	389	From 1975-11-14
Las Mesas	LSP2	Puerto Rico	18.1458N 66.9811W		
Las Morras, Villanueva del Duque, Cordoba	E031	Spain	38.3393N 4.9967W	691	From 2007-09-23 to 2009-06-16
Las Nubes	LNB	Nicaragua	12.0328N 86.2532W	640	From 1983-01-01
Las Nubes	NBG	Guatemala	14.5875N 90.3467W	2200	
Las Ollas	OLLA	Venezuela	10.0189N 66.8039W	947	From 1984-01-01
La Souterraine	LSF	Limousin,France	46.2500N 1.5294E	430	
LAS PENAS INFRASONIC ARRAY REFERENCE POINT	LPAZ	Bolivia	16.2152S 68.4535W	4096	From 2000-01-03
Lassiter	DY2	Tennessee,U.S.A.	36.3302N 89.3520W	110	From 1969-01-01 to 1970-12-31
Last Change Range	LCH	California,U.S.A.	37.2330N 117.6450W	1414	
Las Vegas	LVW	Nevada,U.S.A.	36.1700N 115.1880W	654	
Las Vegas	LVN	Nevada,U.S.A.	36.1092N 115.1400W	610	From 1960-01-01 to 1970-12-31
Laterza	LATE	Italy	42.6137N 11.8040E	610	From 2006-05-04
Laterza	LTRZ	Italy	40.6033N 16.8191E	381	
Latheron	MLA1	Scotland,United Kingdom	58.3055N 3.3627W	188	From 1981-01-01
La Tirana	TIRA	Chile	20.3299S 69.5717W	1020	From 2009-12-05
La Tortuga	TORT	Venezuela	10.9084N 65.3139W	40	From 1984-01-01 to 1999-08-25
Latouche	LTI	Alaska,U.S.A.	60.0405N 147.8540W	302	From 1988-07-01
La Tour-de-Pellz	NOV4	Switzerland	46.4475N 6.8598E	380	From 2010-02-09
Latrobe	ALAM	California,U.S.A.	38.5667N 120.9560W	293	
La Tuque	LATQ	Quebec,Canada	47.3836N 72.7819W	163	From 2007-09-14
Latur	LATR	Maharashtra,India	18.4163N 76.5595E		
Lauchernalp	LAUCH	Raron,Switzerland	46.4155N 7.7717E	2160	From 2010-11-17
La Union	UON	Guerrero,Mexico	17.9700N 101.8150W		
Laupahoehoe	LPH	Hawaii,U.S.A.	19.9972N 155.4042W	6	
Laupendahl	LAUG	Nordrhein-Westfalen,Germany	51.3510N 6.9440E	140	From 2004-08-01
Lau Rambong	LARI	Sumatera,Indonesia	2.8856N 98.1572E	820	
Laurance Lake	VLL	Oregon,U.S.A.	45.4633N 121.6790W	1195	From 1980-10-01
La Urbina	LAU	Venezuela	7.9110N 71.7080W	1810	
Laurel	LL-	Mississippi,U.S.A.	31.7214N 89.3558W	91	From 1966-11-14 to 1966-12-03
Laurel	LL-MS	Mississippi,U.S.A.	31.7214N 89.3558W	91	From 1966-11-14 to 1966-12-03
Laurel Creek	LRCG	California,U.S.A.	37.5857N 118.9090W	2780	From 1984-07-01
Laurel Mountain	LRMC	California,U.S.A.	35.4773N 117.6892W	1256	
L'Aution	AUTN	Provence-Cote d'Azur,France	43.9955N 7.4275E	2065	
Lava2-Rev Volc	LAV2	Ecuador	0.0848S 77.6438W	2680	From 2002-03-08 to 2003-09-01
Lava3-Reventador	LAV3	Ecuador	0.0967S 77.6323W	2210	From 2004-11-09 to 2008-08-12
Lava4-Reventador	LAV4	Ecuador	0.0925S 77.6292W	2218	From 2008-08-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lava Cap Winery, Placerville	LAVA	California,U.S.A.	38.7552N	120.7395W	828	From 2004-12-09 to 2007-12-08
Lava Point	LVA	Alaska,U.S.A.	54.1609N	166.0338W	457	
Lavic	LAVC	California,U.S.A.	34.7658N	116.2865W	902	
La Victoria	LVG	Guatemala	14.9662N	91.0950W	2020	From 1978-06-01 to 1999-08-25
La Villa de Los Santos	LVS	Panama	7.9270N	80.4166W	37	From 2001-08-14
La Villita	LVGX	Guerrero,Mexico	18.0450N	102.1750W		
Lavrentia	LAVR	The Chukotsky Autonomous Okrug	65.5850N	171.0120W	18	From 2005-12-15
Lawrence	LAW	Kansas,U.S.A.	38.9594N	95.2500W	260	From 1909-01-01 to 2001-07-15
Lawrence	LAK	Kansas,U.S.A.	39.0463N	95.2045W	326	From 1977-08-14 to 2001-07-15
Lawton	X33A	Oklahoma,U.S.A.	34.5410N	98.5006W	346	From 2009-10-24
Lawton Elementary School	LAWT	Washington,U.S.A.	47.6565N	122.3894W	111	
Laxson Ranch, Crystal City	732A	Texas,U.S.A.	28.7292N	99.9707W	178	From 2009-02-16
La Yayitas	DR11	Dominican Republic	18.4719N	70.2346W	780	
Layou Valley	DLVT	Dominica	15.4365N	61.3946W	274	
Lazaro Cardenas	LAZM	Michoacan,Mexico	18.0360N	102.2050W		
Lazići	BBLS	Serbia	43.8660N	19.4050E	882	From 1996-01-24
Lazy	LACW	Czech Republic	50.0508N	12.6250E	838	From 1994-01-01
Lazy 6 Ranch, Villanueva	W24A	New Mexico,U.S.A.	35.2106N	105.4075W	1902	From 2008-05-03
Lazy EL Ranch, Roscoe	G18A	Montana,U.S.A.	45.3171N	109.5631W	1699	From 2007-10-28 to 2009-09-15
Lazy Trails Angus Ranch, Wood Lake	K29A	Nebraska,U.S.A.	42.7612N	100.3182W	840	From 2009-06-01
Lazy VL Ranch, Encino	X24A	New Mexico,U.S.A.	34.5646N	105.4349W	1917	From 2008-04-26
Le@15oga@12ne	LGNH	Haiti	18.5110N	72.6058W	62	
Leachville	LVAR	Arkansas,U.S.A.	35.9146N	90.2221W	71	
Lead	LEA	South Dakota,U.S.A.	44.3333N	103.8170W		
Lead Mine Pass	HKLM	Hong Kong,China	22.4121N	114.1588E	300	From 1997-04-23
Lead Mountain	LED	California,U.S.A.	34.4677N	115.9360W	853	From 1974-04-01
Leadore	H14A	Idaho,U.S.A.	44.6165N	113.3674W	1933	From 2007-08-16 to 2009-06-05
Leadville	LDV	Nevada,U.S.A.	41.0975N	119.3910W	1798	From 1974-03-01 to 1976-05-31
Leamington	P15A	Utah,U.S.A.	39.5708N	112.2786W	1576	From 2007-05-23 to 2009-04-11
Leaning Rock	LRCZ	South Island,New Zealand	45.0653S	169.3460E	1533	From 1986-12-01 to 2003-08-15
Leavenworth	C06D	Washington,U.S.A.	47.9229N	120.8943W	544	
Lebam	E03A	Washington,U.S.A.	46.5459N	123.5632W	72	From 2005-10-26 to 2009-01-08
Lebanon	LB-NH	New Hampshire,U.S.A.	43.6208N	72.2756W	274	From 1962-06-14 to 1962-06-28
Lebanon	LB-	New Hampshire,U.S.A.	43.6208N	72.2756W	274	From 1962-06-14 to 1962-06-28
Lebel-sur-Quevillon	LSQQ	Quebec,Canada	49.0580N	76.9796W	308	From 2009-09-13
Le Caire	OG25	Provence-Cote d'Azur,France	44.3698N	6.0735E	1060	
Lecce	LCI	Italy	40.3346N	18.1120E	46	
Ledoux Ranch, Antler	A27A	North Dakota,U.S.A.	48.9533N	101.2407W	466	From 2009-08-08
Leeds	LEE	Utah,U.S.A.	37.2430N	113.3767W	1097	From 1963-04-01 to 1999-08-25
Leeds	LDS	Utah,U.S.A.	37.2425N	113.3514W	1101	
Leeds University	LDU	England,United Kingdom	53.8025N	1.5553W	230	From 1983-01-01
Leesville	635A	Texas,U.S.A.	29.3877N	97.7736W	119	From 2009-12-17
Lee's Yard	MLYT	Montserrat	16.7213N	62.1910W	355	
Lee Vining	R07C	California,U.S.A.	38.0890N	119.0469W	1996	From 2005-08-03 to 2007-10-02
Lefka	LEF	Cyprus	35.1193N	32.8903E	130	From 1998-01-14
Lefkada island	LKD2	Greece	38.7889N	20.6578E	485	From 2008-06-02
Lefkose	LFK	Cyprus	35.2792N	33.5325E	690	From 1987-01-01
Legarje	LEGS	Slovenia	45.9488N	15.3177E	390	
Legaspi	LGP	Luzon,Philippines	13.1562N	123.7340E	19	From 1975-10-01
Legaspi	LEG	Luzon,Philippines	13.1333N	123.7333E	19	
Leghorn	LIV	Italy	43.5333N	10.3000E		
Legoe Bay, Lummi Island	A04A	Washington,U.S.A.	48.7197N	122.7070W	23	From 2004-09-19 to 2008-02-19
Legon	LEGH	Ghana	5.6483N	0.1814W	91	
Legon	LGG	Ghana	5.6483N	0.1967W	137	From 1976-11-01 to 1986-12-31
Lehigh University	LUPA	Pennsylvania,U.S.A.	40.5987N	75.3718W	255	From 2006-01-08
Leibel Peak	WLPM	California,U.S.A.	35.5077N	118.4090W	2265	
Leipzig	LEI	Sachsen,Germany	51.3350N	12.3917E	113	
Leirgulen	N2B6	Norway	61.8640N	5.3060E	20	
Leirhofn	ILEI	Iceland	66.4070N	16.4900W	41	From 1993-10-24
Lekhapani	LKP	Assam,India	27.3333N	96.0667E	148	
Le Mans	LMF	Pays de la Loire,France	48.0000N	0.2000E	77	
Le Marinel	LMA	Congo (Kinshasa)	10.3000S	25.4000E		
Lembang	LEM	Jawa,Indonesia	6.8266S	107.6175E	1293	From 1954-01-01
Lemhi Junction	LJI	Idaho,U.S.A.	43.8208N	112.8440W	1600	From 1990-05-15
Lemitar	LENM	New Mexico,U.S.A.	34.1655N	106.9740W	1698	
Lemmon	F27A	South Dakota,U.S.A.	45.8727N	102.0203W	757	From 2009-07-19
Lemonthyme	LMT	Tasmania,Australia	41.6100S	146.1520E	349	From 1969-09-25 to 1971-08-06
Le Moule	GLMO	Guadeloupe	16.3324N	61.3513W	5	From 2005-02-01
Leninakan	LEN	Armenia	40.7667N	43.8500E	1522	
Lenkeran, Azerbaijan	LKRN	Azerbaijan	38.7100N	48.7790E	65	From 2003-03-29
Lennox	LTN	Tennessee,U.S.A.	36.0630N	89.4950W		From 1977-08-01 to 1992-12-31
Lenox	LNXT	Tennessee,U.S.A.	36.1014N	89.4913W	144	
Lenox	LNX	Massachusetts,U.S.A.	42.3389N	73.2724W	345	
Lentini	HLNI	Sicily,Italy	37.3480N	14.8720E	95	From 1994-05-01
Leoben	LTA	Austria	47.4033N	15.0761E	840	
Leola	F30A	South Dakota,U.S.A.	45.8356N	99.0250W	601	From 2009-09-08
Leola	LAL	Alabama,U.S.A.	34.4367N	87.3372W	320	From 1989-03-28
Leon	LEON	Nicaragua	12.4160N	86.8925W	160	
Leon	LNM	Jalisco,Mexico	21.1167N	101.6675W	1800	
Leonard	LNO	Oklahoma,U.S.A.	35.9125N	95.7892W	-487	From 1988-12-07
Leonard	LNO3	Oklahoma,U.S.A.	35.9125N	95.7892W	257	From 1992-01-01
Leonard	LNO2	Oklahoma,U.S.A.	35.9125N	95.7892W	-171	From 1992-01-01
Leona Valley	LEOC	California,U.S.A.	34.6313N	118.3040W	1073	
Leon Cerro Gordo	LCG	Guanajuato,Mexico	21.1450N	101.7250W	2200	From 1968-03-01
Leoncito	RTLS	San Juan,Argentina	31.7989S	69.2969W	2250	
Leoncito	LEO	San Juan,Argentina	31.7997S	69.3353W	2400	
Leonessa	LNSS	Italy	42.6029N	13.0403E	1155	From 2004-05-10
Leota Junior High School	LEOT	Washington,U.S.A.	47.7679N	122.1151W	155	
Leova	LEOM	Moldova	46.4733N	28.2467E	52	From 1982-01-01
Lepanto	LPAR	Missouri,U.S.A.	35.6019N	90.3002W	66	
Le Parnasse	PAG	Guadeloupe	16.0297N	61.6800W	670	From 1950-01-01
Lepaterique	LTH	Honduras	14.0708N	87.3458W		From 1990-01-01
Le Pertre	LPF	Bretagne,France	48.0315N	1.0408W	156	
Le Peyrat	LPEF	Midi-Pyrenees,France	42.9485N	1.9077E	440	From 1998-10-20
Lephalale	LEP	Transvaal,South Africa	23.6497S	27.7468E	840	
Le Pouchou	LPO	Midi-Pyrenees,France	44.6831N	1.1869E	330	
Lerchenberg	LBG	Baden-Wurttemberg,Germany	48.6639N	8.7954E	594	From 1995-01-01
Leresti	LRR	Romania	45.4403N	25.0750E	700	From 1989-01-01
Lerida	LER	New South Wales,Australia	34.9344S	149.3640E	700	From 1970-01-01 to 1995-01-01
Lerik	LRK	Azerbaijan	38.6430N	48.3400E	1592	From 2009-11-25
Lermontov	LMTZ	Armenia	40.7570N	44.6440E	1810	
Lernakert	LERZ	Armenia	40.5670N	43.9500E	1990	
Le Roux Dam	PKR	Orange Free State,South Africa	30.0033S	24.7417E	1267	
Lerwick	LRWS	Shetland Islands,United Kingdom	60.1397N	1.1831W	80	
Lerwick	LRW	Shetland Islands,United Kingdom	60.1360N	1.1779W	83	From 1978-01-01
Les Avellanes	CAVN	Spain	41.8827N	0.7518E	626	
les Blancs	BLAF	Provence-Cote d'Azur,France	43.9510N	6.0450E	601	
Les Buteaux	LBF	Bourgogne,France	46.9844N	3.9772E	715	
l'Escarene	ESCA	Provence-Cote d'Azur,France	43.8310N	7.3740E	550	From 2004-09-23
Lescure	LESF	Midi-Pyrenees,France	43.0311N	1.2839E	460	
Les Eyzies	NE09	Aquitaine,France	44.8520N	0.9810E	160	From 1982-11-01 to 1986-02-28
Les Forges d'Abel	FDAF	France	42.8188N	0.5672W	1230	From 1998-05-20
Lesken	LSNR	Severo-Osetinskaya,Russia	43.2738N	43.8156E	694	From 2004-06-23
Leskovik	LSK	Albania	40.1500N	20.6000E	922	From 1985-01-01
Lesozavodsk	LES	Sakhalinskaya Oblast',Russia	44.7667N	147.1830E		
Lesparou	LSPF	Midi-Pyrenees,France	42.9481N	1.9042E	450	
Les Platons	JLP	Channel Islands,United Kingdom	49.2428N	2.1039W	131	From 1981-01-01
Les Rejaudoux	NE18	Limousin,France	45.3044N	1.5164E	410	From 1975-10-01 to 2001-07-28
Les Rejaudoux	RJF	Limousin,France	45.3044N	1.5164E	410	From 1975-10-01
Les Verrieres	BRANT	Switzerland	46.9380N	6.4730E	1145	From 2002-10-10
Letterbox	LBXM	New South Wales,Australia	34.2721S	150.8736E	400	
Letur, Albacete	E034	Spain	38.2298N	2.1918W	1292	From 2008-06-03 to 2009-09-14
Leukerbad	LKBD	Switzerland	46.3870N	7.6271E	1550	From 1994-12-21
Leukerbad 2	LKBD2	Switzerland	46.3745N	7.6443E	2128	From 2001-07-05
Levan	LEVU	Utah,U.S.A.	39.5065N	111.8147W	1996	From 1992-01-01
Levan Peak	LVU	Utah,U.S.A.	39.4917N	111.8270W	2530	From 1978-01-01
Levkas	LKD	Greece	38.7072N	20.6506E	1140	
Levy	LVY	Alaska,U.S.A.	64.2167N	149.2530W	230	From 1972-07-01
Lewis and Clark Caverns	LCCM	Montana,U.S.A.	45.8377N	111.8780W	1669	From 1983-03-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lewisburg	LE-TN	Tennessee,U.S.A.	35.6347N	86.7672W	213	From 1962-10-17 to 1962-10-27
Lewisburg	LE-	Tennessee,U.S.A.	35.6347N	86.7672W	213	From 1962-10-17 to 1962-10-27
Lewis Ranch	BLRM	California,U.S.A.	36.6660N	121.2730W	232	From 1973-02-15
Lewistown	LN-MA	Montana,U.S.A.	47.2119N	109.1489W	1448	
Lewistown	LT-	Pennsylvania,U.S.A.	40.3392N	78.0667W	396	From 1962-11-08 to 1962-12-12
Lewistown	LT-PA	Pennsylvania,U.S.A.	40.3392N	78.0667W	396	From 1962-11-08 to 1962-12-12
Lexington	LEK	Kentucky,U.S.A.	38.0361N	84.5050W	299	From 1974-10-01 to 1976-05-31
Lexington	LEX	Virginia,U.S.A.	37.7894N	79.4417W	311	From 1971-05-01 to 1977-12-31
Lexington Res.	JLXM	California,U.S.A.	37.2018N	121.9860W	244	From 1975-02-04
Lexington Reservoir	LXR	California,U.S.A.	37.2018N	121.9860W	244	From 1975-02-04
L&G Farms, Chester	B17A	Montana,U.S.A.	48.2921N	110.7988W	894	From 2007-11-15 to 2009-09-05
Lhasa	LSA	Xizang Zizhiqu,China	29.7000N	91.1500E	3789	
Lhasa	LHA	Xizang Zizhiqu,China	29.6367N	91.0367E	3789	
Lhers	LHE	Aquitaine,France	42.9130N	0.6213W	1070	
Lhok Sumawe	LHMI	Sumatera,Indonesia	5.2288N	96.9472E	3	From 2008-02-29
Liard River	LR9	British Columbia,Canada	59.4483N	126.1750W	610	
Libby	B12A	Montana,U.S.A.	48.4694N	115.5889W	764	From 2006-09-23 to 2009-08-07
Libby Dam	LDM	Montana,U.S.A.	48.4539N	115.3170W	838	From 1970-02-22 to 2004-03-11
Liberty	LTY	Washington,U.S.A.	47.2578N	120.6703W	970	
Liberty	LI-	Nevada,U.S.A.	38.3061N	117.2917W	1829	
Liberty	LI-NV	Nevada,U.S.A.	38.3061N	117.2917W	1829	
Liberty Hill	LHS	South Carolina,U.S.A.	34.4762N	80.8062W	120	From 1974-05-20
Lichensteins Rd	LIRZ	North Island,New Zealand	38.0050S	176.3842E	340	From 1992-06-15
Lichinga	LICM	Mozambique	13.2830S	35.2260E	1400	From 2006-06-01
Lichinga	LICH	Mozambique	13.2689S	35.2348E	1400	
Lidau	ELDTW	Taiwan region	23.1890N	121.0170E	1040	
Liddieville	LV-	Louisiana,U.S.A.	32.1361N	91.8750W	15	From 1963-06-28 to 1964-01-30
Liddieville	LV-LA	Louisiana,U.S.A.	32.1361N	91.8750W	15	From 1963-06-28 to 1964-01-30
Liddow	LID	Mecklenberg-Vorpommern,Germany	54.5481N	13.3664E	1	
Lien	ILIN	Iran	34.9186N	46.9624E	2195	From 2004-01-01
LIFOU	LIFNC	Loyalty Islands,New Caledonia	20.7771S	167.2402E	35	From 2010-04-01
Lightning Creek	LGTM	Victoria,Australia	36.7632S	147.4636E	1105	
Lignon Hill	VLH	Luzon,Philippines	13.1600N	123.7260E	67	From 1993-01-01
Lihir Island	LHIS	New Ireland,Papua New Guinea	3.1170S	152.6330E	10	From 1987-06-22
Liikasenvaara	KU4	Finland	66.3645N	29.5794E	290	From 2004-11-04
Lijar	LIJA	Spain	36.9061N	5.4038W	951	From 1987-11-01
Likavka	LIKS	Slovakia	49.0500N	19.1060E	341	From 2003-12-01
Likely Place Golf, Likely	M06C	California,U.S.A.	41.2047N	120.4772W	1434	From 2005-06-28 to 2007-10-21
Lilico Spur	LSCZ	South Island,New Zealand	45.1164S	169.3692E	759	From 1986-12-01 to 1996-04-30
Lille	LIL	Nord-Pas-de-Calais,France	50.6158N	3.0708E	13	
Lillehammer	LHN	Norway	61.0492N	10.8800E	555	From 1965-04-01 to 1999-08-25
Lille Linde	LLD	Denmark	55.3331N	12.2150E	8	
Lillevand	N1R4	Norway	66.4490N	13.8780E	55	
Lillevik	N1R2	Norway	66.2820N	13.2330E	61	
Lillooet	LLLB	British Columbia,Canada	50.6090N	121.8815W	700	
Lillooet	LLL	British Columbia,Canada	50.6950N	121.9170W		From 1959-01-01 to 1960-02-01
Lilltraesk	LILU	Sweden	65.2856N	19.8480E	100	From 2000-09-01
Lilongwe	LILM	Malawi	14.1840S	33.7750E	1106	
Lima	LIM	Peru	11.9750S	77.0347W	127	
Lima	H15A	Montana,U.S.A.	44.6173N	112.6439W	1957	From 2007-08-16 to 2009-06-07
Lima (Magdalena)	LM2	Peru	12.0850S	77.0583W	0	
Lima (NY)	LILH	New York,U.S.A.	42.9213N	77.6172W	233	
Limay	LIY	Nicaragua	13.1983N	86.5602W	460	From 1975-01-01
Limburg	LIBD	Baden-Wurttemberg,Germany	48.1505N	7.6030E	210	From 1985-01-01
Lime	LIME	Oregon,U.S.A.	44.4331N	117.2480W	1500	From 1990-04-01
Limekiln Ridge	LRM	Montana,U.S.A.	45.8222N	112.4510W	2326	From 1981-10-10
Limnos	LOS	Greece	39.9342N	25.0814E	460	From 1996-09-28
Limnos Island	LIA	Greece	39.8981N	25.1831E	60	From 1997-01-01
Limon	LICR	Costa Rica	9.9692N	83.0883W	105	
Limon	LIO	Costa Rica	10.0050N	83.0350W	62	
Limon	LNCR	Costa Rica	9.9658N	83.0693W	40	
Limonal	LIM1	Costa Rica	10.6982N	85.2520W	600	From 1993-01-01
Limon Verde	LVC	Antofagasta,Chile	22.6128S	68.9113W	2165	
Linares	LNIG	Nuevo Leon,Mexico	24.8982N	99.4657W	295	From 2006-01-16
Linares	LNCH	Maule,Chile	35.8475S	71.6013W	170	From 2005-01-13
Lincoln	LIN	Nebraska,U.S.A.	40.8383N	96.6533W	366	
Lincoln	D15A	Montana,U.S.A.	47.0418N	112.5204W	1593	From 2006-10-05 to 2009-07-15
Lincoln	LCN	Nebraska,U.S.A.	40.8117N	96.7019W	352	
Lincoln	Q04C	California,U.S.A.	38.8390N	121.3769W	14	From 2004-12-10 to 2007-10-12
Lincoln	ALNM	California,U.S.A.	38.9297N	121.2880W	54	From 1976-12-02
Lincoln School	LOC	California,U.S.A.	38.1525N	122.7130W	120	From 1970-08-14
Lincton Mountain	LNOR	Oregon,U.S.A.	45.8711N	118.2850W	768	From 1986-08-01
Linda	LDMO	Missouri,U.S.A.	36.4110N	89.5630W	86	From 1980-07-19
Linda, St. Vincent	A31A	Minnesota,U.S.A.	48.9320N	97.1888W	244	From 2010-08-25
Lindquist Farm, Mitchell	H06A	Oregon,U.S.A.	44.7344N	120.3346W	516	From 2006-08-16 to 2008-05-08
Lindsay	D23A	Montana,U.S.A.	47.1730N	105.2071W	895	From 2008-09-19
Lindsay	LINO	Ontario,Canada	44.3541N	78.7802W	268	
Linfen	LNF	Shanxi,China	36.0840N	111.3700E	555	
Lingo Farm, Meno	U33A	Oklahoma,U.S.A.	36.4327N	98.1135W	393	From 2009-10-25
Linhart Farms, Moccasin	D18A	Montana,U.S.A.	47.1961N	109.8023W	1202	From 2007-10-15 to 2009-09-10
Linkoeping	LNKU	Sweden	58.2232N	15.5047E	130	From 2002-03-25
Linth-Limmern	LLS	Switzerland	46.8468N	9.0083E	1860	From 1988-10-12
Lioujiau	CHN7	Taiwan region	23.4840N	120.2350E	6	
Lipari	LLI	Sicily,Italy	38.4450N	14.9481E	225	
Lipari	LPI	Italy	38.4892N	14.9328E	225	From 1987-12-11
Lipkovo	LIP	Former Yugoslav Rep. of Macedonia	42.1625N	21.5833E	483	From 1969-01-01
Lip M Gallina IE	ILMG	Sicily,Italy	38.4603N	14.9467E	170	From 1988-01-01
Lip Q Pani IE	ILIQ	Sicily,Italy	38.5100N	14.9158E	350	From 1988-01-01
Liptovska Anna	LANS	Slovakia	49.1505N	19.4678E	710	From 2010-02-25
Lisbon	LIS	Portugal	38.7165N	9.1491W	77	
Lisbon	LS-NH	New Hampshire,U.S.A.	44.2383N	71.9225W	287	From 1963-09-27 to 1965-03-22
Lisbon	LBNH	New Hampshire,U.S.A.	44.2401N	71.9259W	367	From 1993-08-14
Lisbon--Monsanto	PMST	Portugal	38.7368N	9.1833W	175	
Lisbon (USA)	LS-	New Hampshire,U.S.A.	44.2383N	71.9225W	287	From 1963-09-27 to 1965-03-22
Listvyanka	LSTR	Irkutskaya Oblast',Russia	51.8681N	104.8319E	450	
Lita	LITE1	Ecuador	0.7945N	78.3611W	1206	From 2006-01-18
Lita	LITE	Ecuador	0.8078N	78.3644W	1200	From 2007-01-01
Litchfield	LITR	California,U.S.A.	40.4308N	120.3208W	1646	
Litokhoron	LIT	Greece	40.1008N	22.4900E	480	From 1981-01-01
Little America	LAA	King Edward VII Land	78.2000S	162.2500W		
Little Aspen Butte	LAB	Oregon,U.S.A.	42.2675N	122.0640W	1774	From 1993-10-07
Little Butte	LBM	Montana,U.S.A.	46.5149N	111.8540W	1524	From 1974-10-09 to 1976-10-04
Little Cholame Creek	LCCB	California,U.S.A.	35.9801N	120.5142W	385	
Little Chuckwalla Mountains	LTC	California,U.S.A.	33.4890N	115.0700W	458	
Little Creek Mountain	LCMT	Utah,U.S.A.	37.0118N	113.2439W	1411	
Little Green Mountain	LGM	Idaho,U.S.A.	46.7330N	116.0930W	1455	From 1971-10-01 to 1974-07-25
Little Hoodo Mountain	LHD	Montana,U.S.A.	48.2578N	115.5580W	1134	
Little Horse	WLHM	California,U.S.A.	36.1524N	118.3131W	2645	
Little Humpy Peak	LHUT	Utah,U.S.A.	40.8914N	110.9964W	3084	From 2008-07-08
Little Huntoon Valley	LHV	Nevada,U.S.A.	38.2512N	118.5040W		
Little Lost River	LLRI	Idaho,U.S.A.	43.7230N	112.9330W	1471	From 1990-06-06
Little Maria Mountains	LTM	California,U.S.A.	33.9150N	114.9180W	744	From 1974-04-01
Little Mountain	LMTN	Tennessee,U.S.A.	35.8868N	83.4098W	610	From 1984-03-16 to 1991-09-08
Little Mountain	LTU	Utah,U.S.A.	41.5917N	112.2470W	1585	From 1974-09-01
Little Mount Hoffman	LMHM	California,U.S.A.	41.5790N	121.6570W	2228	From 1979-07-12
Little Rabbit V.	BRVM	California,U.S.A.	36.4243N	121.0180W	555	From 1969-11-26
Little Rabbit Valley	LRV	California,U.S.A.	36.4243N	121.0180W	555	From 1969-11-26
Little Raleigh	RNC	North Carolina,U.S.A.	35.6318N	78.9803W		
Little Rock	LRA	Arkansas,U.S.A.	34.7783N	92.3517W	150	From 1931-02-02 to 1967-07-27
Littlerock Reservoir	LRRC	California,U.S.A.	34.5260N	118.0280W		From 1976-05-01
Little Sitkin Island	LSI	Alaska,U.S.A.	51.9197N	178.5340E		From 1970-10-20 to 1972-06-30
Little Sitkin NW	LSNW	Alaska,U.S.A.	51.9705N	178.5169E	290	
Little Sitkin PP	LSPA	Alaska,U.S.A.	51.9569N	178.5734E	335	
Little Sitkin S'e	LSSA	Alaska,U.S.A.	51.9496N	178.5132E	549	
Little Sitkin SE	LSSE	Alaska,U.S.A.	51.9332N	178.5690E	335	
Little Skull Mountain	LSM	Nevada,U.S.A.	36.7389N	116.2716W	1162	From 1971-07-20 to 2002-10-10
Little Skull Mountain	LSN	Nevada,U.S.A.	36.7536N	116.2590W	1070	
Little Table Mountain	LTMT	Montana,U.S.A.	44.5258N	112.1100W	2603	From 1989-09-14
Little Thumb Creek	YLT	Wyoming,U.S.A.	44.4370N	110.5880W	2439	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Liverpool	LVR	England,United Kingdom	53.4167N	2.9333W	60	
Livingston	LTL	U.S.A.	30.5374N	90.7660W	21	
Liwa	LWLI	Sumatera,Indonesia	5.0175S	104.0589E	938	From 2005-01-01
Liyang	LYP	Luzon,Philippines	14.6334N	120.4851E	100	
Liyutan	TWQ1	Taiwan region	24.3480N	120.7730E	260	
Ljotipollur	LJO	Iceland	64.0235N	19.0230W		
Ljubljana	LJU	Slovenia	46.0438N	14.5274E	396	
Llanada	LLA	California,U.S.A.	36.6167N	120.9430W	475	From 1961-01-01
Llanberis	YLL	Wales,United Kingdom	53.1402N	4.1704W	162	From 1984-01-01
Llano	LLAC	California,U.S.A.	34.8455N	117.4855W	1018	
Llanuwychllyn	LLW	Wales,United Kingdom	52.8492N	3.6650W	213	
Llaves	U22A	New Mexico,U.S.A.	36.3773N	106.8546W	2119	From 2008-05-22
Llico	LLIC	Bio-Bio,Chile	37.2293S	73.5942W	70	
Llivia	CLLI	Spain	42.4792N	1.9741E	1411	
Llolleo	LLCH	Santiago,Chile	33.6105S	71.6182W	30	
Llyn Conwy	WLC	Wales,United Kingdom	52.9956N	3.7788W	440	From 1985-01-01
Llynfaes	WLF1	Wales,United Kingdom	53.2894N	4.3966W	58	From 1985-01-01
Lobatse	LBTB	Botswana	25.0145S	25.5970E	1028	From 1993-01-01
Lobios	ELOB	Spain	41.8674N	8.0611W	980	
Lock 6	LGKY	Kentucky,U.S.A.	37.9260N	84.8200W	128	From 1983-11-01 to 1988-04-13
Lock 6	L6KY	Kentucky,U.S.A.	37.9260N	84.8200W		
Locke Island	LOCW	Washington,U.S.A.	46.7170N	119.4308W	210	From 1982-11-01
Lockhart	LOKY	Kentucky,U.S.A.	37.2370N	88.2950W	230	From 1992-12-01
Lockwood Valley	LOK	California,U.S.A.	34.7245N	119.0910W	1570	
Lodge	LDG	Alabama,U.S.A.	33.2905N	87.5350W	95	
Lodge Grass	G21A	Montana,U.S.A.	45.2250N	107.2070W	1227	From 2008-07-24
Lodgepole	F26A	South Dakota,U.S.A.	45.8512N	102.6697W	852	From 2009-07-12
Lodi Road	LDR	Delhi,India	28.5833N	77.2167E		
Lodumlu	LOD	Turkey	39.8890N	32.7640E	902	
Loei	LOE	Thailand	17.4063N	101.7300E	259	From 1984-08-01
Loerrach-Stetten	LOES	Baden-Wurttemberg,Germany	47.6047N	7.6663E	307	From 2004-06-16
Lofoten	LOF	Norway	68.1310N	13.5420E	80	From 1987-01-01
Logan	LOG	Utah,U.S.A.	41.7417N	111.8130W	1455	
Logan Glacier	LOGN	Alaska,U.S.A.	60.8245N	141.0028W	1665	
Log Cabin	LCA	Alabama,U.S.A.	33.3067N	87.4683W	132	From 1971-01-09
Logie Almond	ELO	Scotland,United Kingdom	56.4706N	3.7119W	495	From 1969-01-01
Loginova	LGNR	Kamchatskaya Oblast',Russia	56.0828N	160.6897E	2500	
Logrono	LGR	Spain	42.4578N	2.5032W	446	From 1963-01-01 to 1989-11-30
Logumkloster	NE03	Denmark	55.0450N	9.1530E	25	From 1983-02-01 to 2001-07-28
Lohaghat	LGAT	Nepal	29.4500N	81.8333E		
Lohaghat	LGTI	India	29.4500N	80.2463E	0	
Loja	ALOJ	Spain	37.1090N	4.1050W	1340	
Lokbatan	LKB	Azerbaijan	40.3050N	49.7150E	30	From 1980-01-01
Lokris	LKR	Greece	38.6506N	22.9994E	180	From 1997-01-01
Loma Alta	LALZ	El Salvador	13.5393N	88.5422W	474	
Loma Carmona	SACA	Dominican Republic	18.9775N	69.6803W		From 1986-07-12
Loma Colora	SDD01	Dominican Republic	19.1235N	69.9732W	165	
Loma de el Viento	LEV	Venezuela	7.7661N	63.0607W	337	
Loma El Cafe	SDD07	Dominican Republic	18.7828N	70.2223W	620	
Loma El Joboban	MAVI	Dominican Republic	19.2457N	69.9117W		From 1986-09-07
Loma El Mogote	SDD04	Dominican Republic	19.4835N	70.4855W	905	
Loma en Medio	LOMO	Dominican Republic	18.8767N	68.8613W	0	
Loma La Ceniza	SDD03	Dominican Republic	19.3370N	70.0685W	410	
Loma La Naviza	DR08	Dominican Republic	18.9623N	70.0217W	640	
Loma La Naviza	DR8	Dominican Republic	18.9624N	70.0217W		
Loma Manaclilla	SDD05	Dominican Republic	19.1017N	70.4478W	425	
Loma Pena Alta	DR12	Dominican Republic	18.7878N	69.3807W	640	
Loma Prieta	JLPM	California,U.S.A.	37.1110N	121.8430W	1152	
Loma Quita	QUES	Dominican Republic	19.3530N	70.1480W	0	
LOMAS DE OLMEDO	ALOL	Salta	23.8148S	63.9712W	510	From 1996-10-25
Loma Siseviere	SDD02	Dominican Republic	19.6035N	69.9483W	440	
Loma Yayales	SDD08	Dominican Republic	18.9885N	69.6922W	325	
Lome	LOM	Togo	6.1217N	1.2133E	5	
Lometa	334A	Texas,U.S.A.	31.3325N	98.2379W	389	From 2009-11-14
Lo Mia Camp, Pine	X16A	Arizona,U.S.A.	34.4178N	111.4411W	1759	From 2007-03-30
Lomita	LOMS	California,U.S.A.	33.7952N	118.2790W	-173	From 1989-12-20
Lomont	LOMF	Franche Comte,France	47.3508N	6.8275E	1000	
Lompoc	BLP	California,U.S.A.	34.5603N	120.4000W	134	From 1969-11-01
London (Ont)	LDN	Ontario,Canada	43.0400N	81.1833W	246	From 1975-06-01
London (Ont)	LND	Ontario,Canada	43.0410N	81.1830W	246	From 1961-12-07 to 1967-05-31
Lone Oak Road	PLOM	California,U.S.A.	36.2465N	121.0430W	308	From 1970-08-14
Lone Oak Road	LRC	California,U.S.A.	36.2465N	121.0430W	308	From 1970-08-14
Lone Pine	LN9	California,U.S.A.	36.5944N	118.1850W	500	
Lone Star	LST	Missouri,U.S.A.	36.5230N	89.7310W	83	
Lone Tree Road	HLTM	California,U.S.A.	36.8845N	121.3080W	183	From 1970-08-17
Lone Tree Road	LTR	California,U.S.A.	36.8845N	121.3080W	183	From 1970-08-17
Long Ground	MLGT	Montserrat	16.7250N	62.1623W	287	
Long Hollow	LOHW	Wyoming,U.S.A.	43.6124N	110.6040W	2121	From 1986-01-01
Longmire	LON	Washington,U.S.A.	46.7500N	121.8100W	854	From 1958-03-12
Longmont	O24A	Colorado,U.S.A.	40.1227N	105.0729W	1553	From 2008-07-03
Long Mynd	HLM1	Wales,United Kingdom	52.5184N	2.8807W	429	From 1984-01-01
Longovilo	LNV	Valparaiso,Chile	33.9558S	71.4108W	160	From 1972-01-01
Long Quarter, Great Bend	R32A	Kansas,U.S.A.	38.4225N	98.7111W	573	From 2009-10-28
Longridge	LLO	England,United Kingdom	53.8503N	2.5598W	247	From 1989-01-01 to 1991-10-14
Long Valley	LG-AZ	Arizona,U.S.A.	34.4078N	111.5458W	1768	From 1964-04-02 to 1965-10-04
Long Valley	LG-	Arizona,U.S.A.	34.4078N	111.5458W	1768	From 1964-04-02 to 1965-10-04
Long Valley	LVNJ	New Jersey,U.S.A.	40.8095N	74.7650W	201	From 1977-06-08
Lonorore	LNR	Vanuatu	15.8519S	168.1600E	8	
Lookout	M05C	California,U.S.A.	41.3593N	121.1457W	1333	From 2005-06-29 to 2007-10-10
Lookout Mountain	LKGA	Georgia,U.S.A.	34.6233N	85.4722W	655	From 1985-12-05
Lookout Mountain	LMCR	California,U.S.A.	37.7283N	118.9450W	2530	From 1979-11-01
Lookout Mountain Observatory	LMS	California,U.S.A.	34.0692N	118.4400W	131	
Lookout Mountain Observatory	LMO	California,U.S.A.	34.1086N	118.3880W	392	From 1971-02-12 to 1973-06-30
Lookout Peak	LOP	Nevada,U.S.A.	36.8544N	116.1677W	1714	From 1979-01-23 to 2002-10-10
Look Rock	LRKT	Tennessee,U.S.A.	35.6340N	83.9240W	780	From 1983-10-25
Lopu atari	LOPT	Romania	45.4740N	26.5691E	780	
Lorado	LRDO	Arkansas,U.S.A.	35.9692N	90.6953W	137	From 1988-12-01
Lorca	EXLO	Spain	37.6760N	1.7000W	407	
Lorch/Rhein	WBD	Hessen,Germany	50.0847N	7.8570E	229	From 2001-11-30
Lord Howe Island	LHI	New South Wales,Australia	31.5200S	159.0631E	73	From 2007-07-08
Lorgues	LRG	Provence-Cote d'Azur,France	43.4547N	6.3603E	110	
Lormes	LOR	Bourgogne,France	47.2683N	3.8589E	520	
Lorqui	EXLR	Spain	38.0820N	1.2530W	115	
Los Alamitos	LNAS	California,U.S.A.	33.7892N	118.0550W	-50	From 1972-05-01
Los Alamos	LOA	New Mexico,U.S.A.	35.8247N	106.2940W	2144	From 1972-01-12 to 1999-08-25
Los Alamos Infrasonic Array Beam Ref. Pt.	LSIAR	New Mexico,U.S.A.	36.7681N	106.3340W		
Los Alamos Infrasonic Array Site 1	LSI01	New Mexico,U.S.A.	36.7681N	106.3340W		
Los Alamos Infrasonic Array Site 2	LSI02	Colorado,U.S.A.	36.8619N	105.2269W		
Los Alamos Infrasonic Array Site 3	LSI03	New Mexico,U.S.A.	36.9657N	105.3340W		
Los Alamos Infrasonic Array Site 4	LSI04	New Mexico,U.S.A.	36.8619N	107.4411W		
Los Angeles Museum of Natural History	LCM	California,U.S.A.	34.0178N	118.2870W		From 1971-08-01
Los Banos	LBPH	Luzon,Philippines	14.1540N	121.1800E	300	
Los Chungos	CHNG	Coquimbo,Chile	31.8828S	71.4998W	27	From 2005-03-12
Los Guarumos	LGUZ	El Salvador	13.6447N	88.5613W	220	
Los Lagos	LOLA	Costa Rica	10.4900N	84.7137W	550	
Los Molles	MOCH	Valparaiso,Chile	32.2319S	71.5069W	15	
Los Morros	CEN1	Antofagasta,Chile	23.3897S	70.2000W	1090	From 2005-09-16
Los Niches	NICH	Maule,Chile	35.0026S	71.2296W	220	From 2004-06-03
L'Ospedale	OSPF	Corse,France	41.6632N	9.1915E	965	From 2003-01-01
Los Pinos Mountain	LPM	New Mexico,U.S.A.	34.3117N	106.6320W	1737	From 1976-01-01
Los Pintados	PINT	Chile	20.7613S	69.3973W	1146	From 2009-12-05
Los Queltehues	LQT	Santiago,Chile	33.8147S	70.2119W	1400	From 1976-06-26
Los Roques	LORO	Venezuela	11.9520N	66.6768W	69	From 1984-01-01
Lossen Ranch, Watonga	V33A	Oklahoma,U.S.A.	35.8209N	98.2862W	420	From 2009-10-31
Losser	NE31	Netherlands	52.2641N	7.0066E	35	
Los Tablones	LTG	Guatemala	14.9625N	90.1553W	928	From 1978-06-01 to 1999-08-25
Lost Marbles Ranch, Westfall	I09A	Oregon,U.S.A.	43.9733N	117.7407W	950	From 2006-07-27 to 2008-07-11
Lostock Dam	LOSM	New South Wales,Australia	32.3304S	151.4556E	109	
Los Trancos	JLTM	California,U.S.A.	37.3537N	122.2040W	270	From 1966-12-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Los Trancos Road	JTRM	California,U.S.A.	37.3522N	122.1980W	251	
Los Trancos Woods	LTW	California,U.S.A.	37.3537N	122.2040W	270	From 1966-12-15
Lost Valley Reservoir	LVRI	Idaho,U.S.A.	44.9447N	116.4520W	1700	From 1991-08-01
Losuia	LOSU	D'Entrecasteaux Islands,Papua New Guinea	8.5119S	151.0740E	10	From 1983-12-08
Los Vilos	VICH	Coquimbo,Chile	31.9112S	71.5104W	44	
Lotru	LOT	Romania	45.4481N	23.7694E	1240	
Louis Bay	LOU	Alaska,U.S.A.	60.4655N	147.6440W	490	
Louis Trichardt	LTT	Cape Province,South Africa	29.7233S	23.0150E	1006	
Loup City	LCNC	Nebraska,U.S.A.	41.3083N	98.9387W	671	
Loup City	LCNE	Nebraska,U.S.A.	41.3083N	98.9387W	671	
Lourdes	PYLO	Midi-Pyrenees,France	43.0982N	0.0478W	407	From 2001-07-24
Loures	PLOU	Portugal	38.8852N	9.1518W	180	
Loutraki	LOUT	Greece	37.9879N	22.9743E	307	From 2010-05-27
Loutraki	LTK	Greece	38.0230N	22.9670E	410	From 2006-01-01
Loutraki	LTRA	Greece	37.9754N	22.9766E	100	From 2008-03-15
Lovejoy Buttes	LJB	California,U.S.A.	34.5912N	117.8480W	899	From 1977-12-01
Lovelace Mesa, Carrizozo	Y23A	New Mexico,U.S.A.	33.9315N	106.0549W	1789	From 2008-04-12
Lovelock	LO-	Nevada,U.S.A.	39.9353N	118.8394W	1280	From 1963-02-23 to 1963-03-29
Lovelock	LO-NV	Nevada,U.S.A.	39.9353N	118.8394W	1280	From 1963-02-23 to 1963-03-29
Lovelock	LVK	Nevada,U.S.A.	40.1870N	118.5250W	1225	From 1969-11-05 to 1975-11-30
Lovikneset	N2B3	Norway	61.8250N	4.9530E	10	
Lovozero	LVZ	Karel'skaya,Russia	67.8979N	34.6514E	630	
Lower Browns Hole	LBUT	Utah,U.S.A.	41.3097N	111.7320W	1768	From 1978-06-01 to 1981-05-31
Lower Mag Wash	LWA	Utah,U.S.A.	38.4903N	112.8610W	1817	
Loyalton	LOY	California,U.S.A.	39.6600N	120.2400W	0	
Lualailua	LLAH	Hawaii,U.S.A.	20.6270N	156.3103W	683	
Luanda	LUA	Angola	8.5000S	13.2333E	69	
Lubang	LUBP	Mindoro,Philippines	13.7340N	120.2460E	50	
Lubbock	LUB	Texas,U.S.A.	33.5833N	101.8670W	979	From 1948-06-01
Lubilhac	LBL	Auvergne,France	45.2323N	3.2470E	950	
Luboga	LBGA	Congo (Kinshasa)	1.2650S	29.1170E	1850	
Lubrecht Forest	LFM	Montana,U.S.A.	46.8898N	113.4530W	1256	From 1974-08-02 to 1976-10-04
Lubudi	LBC	Congo (Kinshasa)	9.9000S	25.9833E	1375	From 1966-12-01 to 1999-08-25
Lubumbashi	ELI	Congo (Kinshasa)	11.6500S	27.4667E	1245	
Luby	LUBY	Czech Republic	50.2602N	12.3592E	625	
Luby	LBCW	Czech Republic	50.2655N	12.4123E	638	From 2000-01-01
Lucas Creek	LCW	Washington,U.S.A.	46.6707N	122.7008W	396	
Lucas Heights	LHBM	New South Wales,Australia	34.0537S	150.9786E	168	
Lucedale	LD2MS	Mississippi,U.S.A.	30.8528N	88.5406W	79	
Lucedale	LD-	Mississippi,U.S.A.	30.9500N	88.8833W	70	From 1966-11-13 to 1966-12-03
Lucedale	LD3MS	Mississippi,U.S.A.	30.6661N	89.0436W	46	
Lucedale	LD-MS	Mississippi,U.S.A.	30.9500N	88.8833W	70	From 1966-11-13 to 1966-12-03
Luceram	LUCF	Provence-Cote d'Azur,France	43.8925N	7.3462E	1087	From 2006-05-17
Lucky Boy Pass	LBP	Nevada,U.S.A.	38.4320N	118.7390W	2280	
Lucky Star	LSUT	Utah,U.S.A.	41.6848N	111.5580W	2225	From 1979-11-01 to 2004-03-11
Lucoli (AQ)	RM01	Italy	42.2767N	13.3356E	1350	From 2009-04-06 to 2009-08-31
Lucq-de-Bearn	LDBL	Aquitaine,France	43.3189N	0.6139W	250	
Luda	DAI	Liaoning,China	38.9000N	121.6330E	97	
Luepa	LUEV	Venezuela	5.8430N	61.4610W	1380	From 2003-06-04
Luganville	LUG	Vanuatu	15.5178S	167.1300E	150	
Lugnano (Citt^ di Castello) - PG	AT02	Italy	43.3681N	12.1744E	360	From 2010-04-01
Lugo	EXLU	Spain	43.0120N	7.5540W	466	
Lukban	LQP	Luzon,Philippines	14.1120N	121.5390E	1650	
Luk Keng	HKLK	Hong Kong,China	22.5138N	114.2106E	90	From 1997-04-23
Lukmanier-Pass	LUKA1	Switzerland	46.5647N	8.8001E	1921	From 2005-12-15
Lumberton	LU-MS	Mississippi,U.S.A.	31.0389N	89.2389W	91	
Lumbreras	ALUM	Salta,Argentina	25.2376S	64.8794W	812	
Lummi Island	A04D	Washington,U.S.A.	48.7201N	122.7063W	13	
Lunacharskoye	LNC	Uzbekistan	41.3333N	69.3500E		
Lund	LUNU	Sweden	55.6320N	13.4460E	128	From 2008-02-21
Lund	LUN	Sweden	55.6983N	13.1867E	32	
Luning	LNG	Nevada,U.S.A.	38.6150N	118.2100W		
Lupin Mine	LUPN	Northwest Territories,Canada	65.7383N	111.2569W	505	
Luque	ELUQ	Spain	37.5605N	4.2668W	703	From 1992-01-23
Luri	LURI	Corse,France	42.8988N	9.3958E	180	From 1989-11-01
Lusaka	LUS	Zambia	15.3837S	28.3312E	1259	From 1971-01-01 to 1999-08-25
Lusaka	LSZ	Zambia	15.2766S	28.1882E	1184	From 1984-01-01
Lussari	LSR	Italy	46.4758N	13.5278E	1750	From 1988-01-01
Lutao	TWH	Taiwan region	22.7103N	121.4773E	50	From 1974-09-17
Luther M School	OK005	Oklahoma,U.S.A.	35.6549N	97.1911W	298	
Lutirano	LMD	Italy	44.0767N	11.7239E	450	
Luwuk	LUWI	Sulawesi,Indonesia	1.0418S	122.7717E	6	From 2008-03-09
Luxembourg	LUX	Luxembourg	49.6000N	6.1333E		
Luz	PLUZ	Azores,Portugal	39.0164N	27.9773W	98	From 2005-08-01
Luzern Werkhofstrasse	SLUW	Luzern,Switzerland	47.0463N	8.3179E	436	From 2010-12-01
Luzhba, Kemerovskaya Oblast', Russia	LUZB	Kemerovskaya Oblast'	53.6611N	88.9001E	489	From 2006-01-01
L'vov	LVV	Ukraine	49.8190N	24.0310E	320	
Lwiro	LWI	Congo (Kinshasa)	2.2393S	28.8025E	1772	From 1953-01-01
Lyangar	LNA	Tajikistan	38.4000N	69.3500E		
Lyman	M18A	Wyoming,U.S.A.	41.4272N	110.0674W	2103	From 2007-10-27 to 2009-05-21
Lyman	LYW	Washington,U.S.A.	48.5353N	122.1020W	107	From 1975-04-16
Lynden	LY-WA	Washington,U.S.A.	48.6475N	122.2028W	122	
Lynnwood City Hall ANSS-SMO	LYNC	Washington,U.S.A.	47.8255N	122.2938W	19	From 2005-02-08
Lyon Mountain	LYMT	Montana,U.S.A.	46.9700N	112.2895W	2237	From 1996-08-31
Lyons Estate	DLE	Ireland	53.2872N	6.5436W	140	From 1980-04-25 to 1990-12-31
Lyons Farm	DLF	Ireland	53.2958N	6.5314W	96	From 1990-08-01
Lysite	J21A	Wyoming,U.S.A.	43.3459N	107.4459W	1913	From 2008-08-07
Lytham Saint Anne's	LLY	England,United Kingdom	53.7975N	2.9069W	33	From 1989-01-01
M12	M12	Hawaii,U.S.A.	19.3948N	155.3080W	1116	From 1972-12-01 to 1973-02-28
Ma'ale Noah	NOH	Israel	30.6890N	34.9620E	680	
Maars	MRS	Alaska,U.S.A.	57.8567N	156.4890W	131	From 1977-05-20
Maaselka	MSF	Finland	65.9113N	29.0402E	365	
Maasin	MSLP	Leyte,Philippines	10.1340N	124.8590E	50	
Macae	CAM1	Rio de Janeiro,Brazil	22.3978S	41.8338W	139	
Macagua	GMC	Venezuela	8.3000N	62.6833W		
Macapo	MAPV	Venezuela	9.8308N	68.4573W	355	From 2008-01-16
Macas	MACE	Ecuador	2.2549S	78.1985W	1553	From 2006-01-22
Macdoel	M04C	California,U.S.A.	41.7826N	121.8393W	1391	From 2005-06-30 to 2007-10-23
Macedon	MACM	Victoria,Australia	37.4303S	144.6910E	576	
Machiques	MCHV	Venezuela	10.0460N	72.5800W	0	
Machtesh Katan	MKT	Israel	30.9480N	35.1520E	520	From 1983-01-01
Mackay	I14A	Idaho,U.S.A.	43.9286N	113.4518W	1897	From 2007-08-13 to 2009-08-13
MacKay Lake North	MCKN	Northwest Territories,Canada	64.1980N	110.2132W	431	
Mackay Peak	MCPI	Idaho,U.S.A.	43.9003N	113.7040W	2902	From 1983-11-01
MacKenzie Ranch, Jordan Valley	K10A	Oregon,U.S.A.	42.7779N	116.8705W	1701	From 2006-12-16 to 2008-07-24
Mack Ranch, Harrison	K25A	Nebraska,U.S.A.	42.6120N	103.8705W	1437	From 2008-11-15
Macquarie Island	MCQ	Macquarie Islands,Australia	54.4986S	158.9560E	14	From 1950-06-01
Macquarie Island	MQI	Macquarie Islands,Australia	54.5200S	158.9300E	250	
Mactan	MAP	Cebu,Philippines	10.3228N	123.9807E	137	From 1980-01-22
Macugnaga	MCGN	Italy	45.9575N	7.9878E	1185	
Madang	MAD	Papua New Guinea	5.2333S	145.8000E		
Madang	MDG	Papua New Guinea	5.2501S	145.7800E	27	From 1974-12-01
Maddock	MDND	North Dakota,U.S.A.	47.8481N	99.6029W	488	From 2008-09-03
Madeira	PMAR	Madeira Islands,Portugal	32.7237N	16.9137W	1605	
Madeleine	MADF	Aquitaine,France	43.1457N	0.8195W	535	
Madison	MDS	Wisconsin,U.S.A.	43.3722N	89.7600W	278	From 1962-01-16 to 1968-06-10
Madison Junction	MJW	Wyoming,U.S.A.	44.6483N	110.8590W	2111	From 1964-01-01 to 1999-08-25
Madison River	YMR	Wyoming,U.S.A.	44.6687N	110.9650W	2149	
Madoc	MADO	Ontario,Canada	44.4360N	77.4708W	138	
Madonna delle Grazie (Coppito)	T0104	Italy	42.3599N	13.3382E	754	From 2009-04-07
Madras	H05A	Oregon,U.S.A.	44.6473N	121.2271W	720	From 2005-12-09 to 2008-01-30
Madras	MDR	Tamil Nadu,India	13.0000N	80.1833E	15	
Madrid	MDD	Spain	40.4000N	3.6833W		
Madsous	MADS	Saudi Arabia	29.1080N	35.0730E	645	From 1993-09-01
Maebashi	MAE	Gumma,Japan	36.4017N	139.0650E	112	
Maebashi 2	MAEJ	Gumma,Japan	36.5377N	139.1795E	1665	From 1989-03-25
Maesberg Ranch, Thedford	L29A	Nebraska,U.S.A.	42.0641N	100.4779W	901	From 2009-06-04
Mafra	PMAFR	Portugal	38.9554N	9.2827W	329	From 2006-07-31
Magadan	MAG	Magadanskaya Oblast',Russia	59.5540N	150.8050E	50	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Magadan	MA2	Magadanskaya Oblast',Russia	59.5753N	150.7680E	339	
Magadan 1	MGD	Magadanskaya Oblast',Russia	60.0460N	150.7300E	221	
Magadi	MAGK	Kenya	1.9182S	36.2873E	660	From 1994-02-01
Magalia	MGL	California,U.S.A.	39.8117N	121.5580W	1010	From 1966-06-01
Magasa	MAGA	Italy	45.7753N	10.6286E	1265	From 2006-06-21
Magazine Ridge	OKFG	Alaska,U.S.A.	53.4107N	167.9115W	201	
Magdalena	MAGD	Ecuador	0.0685S	79.7738W	340	
Magdalena	MAG1	Ecuador	0.0722S	79.7733W	316	From 2005-08-24
Magdalena	MMG	Guatemala	14.5380N	90.6815W	2190	From 1975-03-01
Magdalen Islands	MADG	Gulf of St. Lawrence	47.2748N	61.6892W	78	From 2005-10-01
Mageik Landslide	MGLS	Alaska,U.S.A.	58.1343N	155.1608W	472	From 1996-08-01
Maghara	AMAG	Egypt	30.6430N	33.2083E	601	
Magodro	MGO	Fiji	17.7925S	177.7400E	726	From 1983-09-01
Magosa	MAGT	Cyprus	35.1000N	33.8700E	7	
Magruder Mountain	MGM	Nevada,U.S.A.	37.4411N	117.4961W	2148	
Maguayo	MGPB	Puerto Rico	18.0500N	67.0400W	60	
Maguayo	MGP	Puerto Rico	18.0076N	67.0891W	60	From 1975-11-14
Maguga Dam	MAGG	Swaziland	26.0739S	31.2668E	694	
Mag Wash	MWA	Utah,U.S.A.	38.4981N	112.8470W	1878	
Mahabad	IMAH	Iran	36.7666N	45.7167E	1344	From 1991-11-01
Mahableshwar	MAH	Maharashtra,India	17.8900N	73.6500E	1382	
Mahdasht	IMHD	Iran	35.6853N	50.6675E	1150	From 1996-01-01
Mahe	SEY1	Seychelles	4.6150S	55.4908E	270	
Mahe Island	MSEY	Seychelles	4.6737S	55.4792E	475	
Mahia	MAHZ	North Island,New Zealand	39.1883S	177.8808E	336	From 1987-03-01 to 1999-08-25
Mahia Peninsula	MHGZ	North Island,New Zealand	39.1543S	177.9068E	302	From 2007-08-24
Mahoenui	MOZ	North Island,New Zealand	38.5058S	174.8030E	160	From 1990-04-26 to 2003-09-29
Mahon	MAHO	Balearic Islands,Spain	39.8959N	4.2665E	25	
Mahukona	MHA	Hawaii,U.S.A.	20.1878N	155.9030W	5	From 1983-01-01
Mail Ridge	KMRM	California,U.S.A.	40.2220N	123.7086W	915	
Mains of Drumtochty	DRUM	Scotland,United Kingdom	56.9126N	2.4865W	208	From 2009-04-01
MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT	MAIM	Cape Verde Islands	15.2573N	23.1839W	44	From 2007-05-30
Maissana	MSSA	Italy	44.3162N	9.5174E	930	From 2008-11-21
Maitri	MAIT	Dronning Maud Land	70.7760S	11.7360E	132	
Maizieres J'ville	MEZF	Champagne-Ardenne,France	48.5019N	5.0519E	245	
Maizuru	MAI	Kyoto,Japan	35.4717N	135.3870E	31	
Maizuru	MZH	Kyoto,Japan	35.4483N	135.3200E	21	
Maizuru 2	MZH2	Kyoto,Japan	35.4017N	135.3933E	170	From 1994-02-24
Majene	PMSI	Sulawesi	3.5008S	118.9149E	306	
Majene	MJSI	Sulawesi,Indonesia	3.5503S	118.9803E	97	From 2005-01-01
Makanchi	MAKZ	Kazakhstan	46.8080N	81.9770E	570	From 1996-09-14
Makanchi Array Beam Reference Point	MKAR	Kazakhstan	46.7937N	82.2904E	615	
Makanchi Array site	MK04	Kazakhstan	46.7715N	82.2951E	589	From 2000-08-28
Makanchi Array site	MK05	Kazakhstan	46.7937N	82.2913E	615	From 2000-08-28
Makanchi Array site	MK01	Kazakhstan	46.7700N	82.3003E	609	From 2000-08-28
Makanchi Array site	MK03	Kazakhstan	46.7656N	82.3015E	630	From 2000-08-28
Makanchi Array site	MK09	Kazakhstan	46.7744N	82.2769E	579	From 2000-08-28
Makanchi Array site	MK06	Kazakhstan	46.7751N	82.3133E	637	From 2000-08-28
Makanchi Array site	MK07	Kazakhstan	46.7538N	82.3156E	627	From 2000-08-28
Makanchi Array site	MK31	Kazakhstan	46.7937N	82.2904E	609	From 2000-08-28
Makanchi Array site	MK02	Kazakhstan	46.7694N	82.3086E	639	From 2000-08-28
Makanchi Array site	MK32	Kazakhstan	46.7937N	82.2904E	609	From 2000-08-28
Makanchi Array site	MK08	Kazakhstan	46.7561N	82.2866E	607	From 2000-08-28
Makaopuhi	MKA	Hawaii,U.S.A.	19.3678N	155.1640W	881	From 1964-03-01 to 2002-10-16
Makara Radio	MRW	North Island,New Zealand	41.2300S	174.7000E	235	From 1976-01-26
Makassar	MKS	Sulawesi,Indonesia	5.2178S	119.4700E	28	From 1970-06-01
Makatiti	MKRZ	North Island,New Zealand	38.1403S	176.4667E	300	
Makawir	MKRJ	Jordan	31.5522N	35.6408E	815	From 1983-09-01
Makeyevka	MKY	Ukraine	48.0333N	37.9833E		
Makhachkala	MAK	Dagestan,Russia	42.9610N	47.5050E	42	
Makhata	MAX	Georgia	41.7117N	44.8225E	575	From 2003-01-01
Maki	MAKK	Kumamoto,Japan	32.9173N	130.9279E	440	
Makna	MKNA	Saudi Arabia	28.4380N	34.8750E	650	From 1993-07-01
Makrakomi, Fthiotida	MAKR	Greece	39.0132N	22.1317E	532	From 2008-06-18
Maku	MAKU	Iran	39.3548N	44.6833E	1730	From 2004-04-03
Makukawa	MAKT	Fukushima,Japan	37.6792N	140.2494E	1240	
Makushin Cirque	MCIR	Alaska,U.S.A.	53.9513N	166.8918W	800	From 1996-08-01
Makushin Gods Own Repeater Site	MGOD	Alaska,U.S.A.	53.7947N	166.8725W	695	From 1996-08-01
Makushin Julie Andrews	MSOM	Alaska,U.S.A.	53.8165N	166.9490W	50	From 1996-08-01
Makushin Nateekin	MNAT	Alaska,U.S.A.	53.8838N	166.6833W	390	From 1996-08-01
Makushin Rep'tr	MREP	Alaska,U.S.A.	53.8105N	166.7456W	785	
Makushin Switchbacks	MSW	Alaska,U.S.A.	53.9147N	166.7827W	418	From 1996-08-01
Makushin Table Top	MTBL	Alaska,U.S.A.	53.9693N	166.6785W	865	From 1996-08-01
Malabar	MLB	Jawa,Indonesia	7.2167S	107.6170E	1550	From 1911-01-01 to 1945-12-31
Malad City	L15A	Idaho,U.S.A.	42.0041N	112.3860W	1645	From 2007-07-13 to 2009-05-05
Malad Range	MLI	Idaho,U.S.A.	42.0268N	112.1260W	1896	From 1974-10-01
Mala Drenova	MDRV	Serbia	43.6915N	21.0919E	0	
Malaga	MAL	Spain	36.7275N	4.4111W	60	From 1915-01-01
Malaga	EXMA	Spain	36.7260N	4.3930W	83	
Malaga-Limonero	EMAL	Spain	36.7620N	4.4292W	80	From 1993-05-20
Malaga, Loving	226A	New Mexico,U.S.A.	32.0618N	104.1014W	929	From 2008-03-22 to 2009-02-21
Malagash, Nova Scotia	MALG	Nova Scotia,Canada	45.7903N	63.3271W	22	From 2005-10-15
Malaho	MAOD	Djibouti	12.0944N	42.2253E	329	From 2004-01-01
Malaspina Glacier	MLP	Alaska,U.S.A.	59.7633N	140.1500W	46	
Malaspina Glacier	MLA	Alaska,U.S.A.	59.7633N	140.1500W	46	
Malataya	MYA	Turkey	38.3261N	38.4253E	1050	
Malatya	MALT	Turkey	38.3134N	38.4273E	1120	
Malatya	MLTT	Turkey	38.3542N	38.3617E	1170	From 1992-10-01 to 2002-04-25
Malaya Ipel'ka	MIPR	Kamchatskaya Oblast',Russia	52.2761N	156.7581E	370	
Malden	MLD	Missouri,U.S.A.	36.5587N	89.9698W		From 1967-11-01 to 1969-11-30
Malden	MLDM	Missouri,U.S.A.	36.6250N	89.9195W	84	
Malga Bissina	MABI	Italy	46.0549N	10.5140E	1853	From 2003-12-17
Malga Garda, Italy	MGRD	Italy	45.9754N	12.0152E	1335	From 2010-06-08
Malibu	MABC	British Columbia,Canada	50.1647N	123.8560W	75	From 1991-03-20
Malinalco, Edo de Mexico	MAVM	Mexico	18.9572N	99.4942W	1824	From 2009-07-01
Malin Array Beam Reference Point	AKASG	Ukraine	50.7012N	29.2242E	160	
Malin Array Site 01	AK01	Ukraine	50.6911N	29.2131E	160	
Malin Array Site 02	AK02	Ukraine	50.6573N	29.2057E	170	
Malin Array Site 03	AK03	Ukraine	50.7263N	29.2217E	160	
Malin Array Site 04	AK04	Ukraine	50.7226N	29.1660E	160	
Malin Array Site 05	AK05	Ukraine	50.6197N	29.2036E	180	
Malin Array Site 06	AK06	Ukraine	50.5858N	29.1985E	190	
Malin Array Site 07	AK07	Ukraine	50.5507N	29.2044E	170	
Malin Array Site 08	AK08	Ukraine	50.6338N	29.2548E	122	
Malin Array Site 09	AK09	Ukraine	50.6151N	29.2846E	180	
Malin Array Site 10	AK10	Ukraine	50.5990N	29.2513E	180	
Malin Array Site 11	AK11	Ukraine	50.6784N	29.1677E	160	
Malin Array Site 12	AK12	Ukraine	50.6437N	29.1549E	180	
Malin Array Site 13	AK13	Ukraine	50.6123N	29.0606E	180	
Malin Array Site 14	AK14	Ukraine	50.6306N	29.1076E	180	
Malin Array Site 15	AK15	Ukraine	50.6951N	29.1240E	170	
Malin Array Site 16	AK16	Ukraine	50.6700N	29.1058E	170	
Malin Array Site 17	AK17	Ukraine	50.6851N	29.0574E	170	
Malin Array Site 18	AK18	Ukraine	50.7221N	29.0676E	170	
Malin Array Site 19	AK19	Ukraine	50.7222N	29.0116E	180	
Malin Array Site 20	AK20	Ukraine	50.7430N	29.0100E	170	
Malin Array Site 21	AK21	Ukraine	50.7764N	29.0419E	160	
Malin Array Site 22	AK22	Ukraine	50.7608N	29.0712E	160	
Malin Array Site 23	AK23	Ukraine	50.7625N	29.1254E	160	
Malin Array Site BB	AKBB	Ukraine	50.7012N	29.2242E	160	
Malindi	MALM	Malawi	14.3500S	35.3170E	496	
Malini	MII	Romania	47.4558N	26.0747E	400	
Mallet	U28A	Texas,U.S.A.	36.3793N	102.2243W	1165	From 2009-04-16
Mallorca	ETOS	Balearic Islands,Spain	39.7678N	2.8144E	480	
Malnas	MSR	Romania	46.0381N	24.8214E	640	From 1982-09-01
Malnisio	MLNI	Italy	46.1500N	12.6100E	814	
Malo-Kuril'sk	MLK*	Sakhalinskaya Oblast',Russia	43.8667N	146.8170E		
Malo Peshtene	MPEP	Bulgaria	43.3560N	23.7401E	339	From 2007-05-10
Malpasso	EMLP	Sicily,Italy	37.6842N	15.1778E	115	From 1994-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Malpelo	MAPC	Colombia	4.0000N	81.6000W	137	From 2009-06-28
Malta	MLT	Malta	35.9000N	14.4800E	18	From 1982-07-01
Malta	L14A	Idaho,U.S.A.	42.0343N	113.2398W	1528	From 2007-07-17 to 2009-05-08
Malvaux	MLV	Bourgogne,France	47.2655N	3.0387E		
Malvern	MCJ	Jamaica	17.9250N	77.6870W	755	From 1977-02-20
Mambajao	MAM	Mindanao,Philippines	9.2500N	125.6000E		From 1917-01-01 to 1935-12-31
Mamelis	MAME	Netherlands	50.8004N	5.9733E	160	From 2009-03-10
Mammari	MAMC	Cyprus	35.1710N	33.2180E	240	
Mammoth Hot Springs	MHS	Wyoming,U.S.A.	44.9770N	110.6850W		From 1964-01-01 to 1974-10-31
Mammoth Lakes Airport	MLAC	California,U.S.A.	37.6301N	118.8361W	2134	
Mammoth Pass	MMPM	California,U.S.A.	37.6100N	119.0280W	2870	From 1983-08-26
Mammoth Vault	YMV	Wyoming,U.S.A.	44.9737N	110.6888W	1829	
Mamou	MAMG	Guinea	10.2645N	11.9650W	773	From 1991-07-01
Mamousia	MAMO	Greece	38.1520N	22.1443E	650	From 2001-12-10
Mamuju	MMSI	Sulawesi,Indonesia	2.6900S	118.9100E	221	From 2008-01-01
Manaccan	CMA1	England,United Kingdom	50.0821N	5.1274W	42	From 1993-01-01
Manadas	PMAN	Azores,Portugal	38.6327N	28.0890W	180	
Manado	MNI	Sulawesi,Indonesia	1.4439N	124.8399E	191	From 1972-01-01
Managua	MGAN	Nicaragua	12.1468N	86.2472W	80	
Manakhah	MNKH	Yemen	15.0652N	43.7500E	0	
Manam	AMAN	Egypt	23.9333N	32.9340E		
Manamana	MANV	Venezuela	9.7992N	70.7962W		
Manantiales	MAA	Mendoza,Argentina	32.0839S	69.8500W		
Manas	MNAS	Kyrgyzstan	42.4870N	72.5040E	1515	
Manas	MNSR	Dagestan,Russia	42.7028N	47.7194E	-20	
Manawahe	MARZ	North Island,New Zealand	37.9867S	176.6744E	480	From 1992-06-15
Mancha de Ca Pechiches	PECV	Ecuador	0.7773S	80.0488W	442	From 2008-06-06
Manchester	MNWA	Washington,U.S.A.	47.5650N	122.5341W	1554	From 2002-11-01
Manchester	MX-TN	Tennessee,U.S.A.	35.5503N	86.2700W	305	From 1962-11-14 to 1962-12-12
Manchester	MX-	Tennessee,U.S.A.	35.5503N	86.2700W	305	From 1962-11-14 to 1962-12-12
Mandailing Natal	MNSI	Sumatera,Indonesia	0.7955N	99.5796E	0	From 2007-12-01
Mandalay	MND	Myanmar	22.0157N	96.1148E	93	From 1966-10-01 to 1999-08-25
Mandiavato	MDSM	Madagascar	19.0852S	47.0306E	1511	
Mandileni	MDL	Cape Province,South Africa	30.7100S	28.8000E	1320	From 1988-01-01 to 1999-12-31
Mangahao	MNG	North Island,New Zealand	40.6186S	175.4820E	396	From 1965-11-01 to 2003-08-15
Mangahewa	MHEZ	North Island,New Zealand	39.0778S	174.3229E	194	From 2008-03-04
Mangalia	MANR	Romania	43.8168N	28.5876E	71	From 2008-10-02
Mangalore	MNGI	Karnataka,India	12.9417N	74.8227E		
Mangatainoka River	MRZ	North Island,New Zealand	40.6625S	175.5792E	320	From 1992-06-01
Mangateitei	MTVZ	North Island,New Zealand	39.3864S	175.4703E	815	From 2005-03-16
Mangla	MNL	Pakistan	33.1472N	73.7500E	436	
Mangrove Creek Dam	MGCD	New South Wales,Australia	33.2096S	151.1092E	219	From 1997-11-05
Manhattan	MHT	Kansas,U.S.A.	39.1997N	96.5806W	339	
Manhattan	MHK	Kansas,U.S.A.	39.1874N	96.5792W	318	From 1974-11-19 to 2001-07-15
Manhattan	AMNH	New York,U.S.A.	40.7808N	73.9738W		
Manica	MANI	Mozambique	18.9482S	32.8843E	1300	
Manicaragua	MGV	Cuba	22.1100N	79.9800W		
Manicouagan	MNQ	Quebec,Canada	50.5333N	68.7744W	564	From 1974-11-27
Manihiki	MNHK	Cook Islands	10.4150S	161.0330W	1	
Manila	MAN	Luzon,Philippines	14.6600N	121.0780E	70	From 1949-01-01
Manila South	MSAR	Arkansas,U.S.A.	35.7842N	90.1469W	69	
Manipur University	MUM	Manipur,India	24.7498N	93.9242E	784	
Manisa	MANT	Turkey	38.4908N	28.5578E	2008	From 2002-12-12
Maniwaki	MIQ	Quebec,Canada	46.3667N	75.9667W	199	From 1974-02-27 to 1981-04-30
Manley	MLY	Alaska,U.S.A.	65.0308N	150.7390W	804	From 1990-09-25
Manna	MNAI	Sumatera,Indonesia	4.3605S	102.9557E	154	From 2006-07-27
Mann Creek Ranch, Princeton	K08A	Oregon,U.S.A.	42.7308N	118.4864W	1391	From 2006-06-29 to 2008-04-08
Manning	D26A	North Dakota,U.S.A.	47.0301N	102.4357W	693	From 2009-07-23
Manning Farm, Rocklake	A29A	North Dakota,U.S.A.	48.9228N	99.2321W	480	From 2009-08-20
Manof	MNFI	Israel	32.8510N	35.2360E	350	
Manokwari, Papua	MWPI	Irian Jaya,Indonesia	0.9300S	134.0400E	70	From 2008-01-01
Mansa	MZZ	Zambia	11.1422S	28.8760E	1256	From 1984-01-01
Manso	MSB	Mato Grosso,Brazil	14.8864S	55.8172W	360	
Manteigas	MTE	Portugal	40.3997N	7.5442W	815	From 1974-12-10
Manter	S28A	Kansas,U.S.A.	37.5899N	101.8979W	1064	From 2009-04-10
Manton Dam	MTN	Northern Territory,Australia	12.8436S	131.1327E	137	From 1972-06-01
Mantova	MNTV	Italy	45.1495N	10.7897E	36	From 2009-07-29
Manual Prospect Mine,Trona	MPMC	California,U.S.A.	36.0600N	117.4900W	1839	From 2004-04-01
Manuel Ranch, Winnett	D20A	Montana,U.S.A.	47.0911N	108.1362W	902	From 2008-08-15
Manus Island	MANU	Papua New Guinea	2.0432S	147.3662E	141	From 2009-04-01
Manysh	MNYS	Turkmenistan	37.7720N	58.6080E	680	
Manzanillo	MNZ	Colima,Mexico	19.0542N	104.3306W	60	
Manzanita Entrance	LMEM	California,U.S.A.	40.5378N	121.5700W	1753	From 1988-11-04
Manzanita Lake	MLC	California,U.S.A.	40.5367N	121.5620W	1800	From 1956-06-01
Manzanita Lake	LMZM	California,U.S.A.	40.5443N	121.5640W	329	From 1976-11-12
Manzenberg	MANZ	Bayern,Germany	49.9862N	12.1083E	638	From 1996-07-31
Mapaga	MPSI	Sulawesi,Indonesia	0.3374N	119.8980E	0	From 2007-12-01
Mapinhane	MAPI	Mozambique	22.2486S	35.0917E	39	From 2010-05-25
Maple Bay	SHDB	British Columbia,Canada	48.7970N	123.6360W	55	From 2003-02-28
Maple Canyon	MPU	Utah,U.S.A.	40.0155N	111.6333W	1909	
Maple Creek	YMC	Wyoming,U.S.A.	44.7593N	111.0060W	2073	From 1974-10-01
Maple Falls	A05A	Washington,U.S.A.	48.9983N	122.0852W	174	From 2005-11-25 to 2009-01-08
Mapleton	I02A	Oregon,U.S.A.	44.0035N	123.8299W	170	From 2005-11-17 to 2008-01-22
Maple valley SMO-IDS24	MPL	Washington,U.S.A.	47.4684N	122.1858W	122	From 1997-01-01
Maputo	LMM	Mozambique	25.9686S	32.5942E	55	
Maracay	MARA	Venezuela	10.3239N	67.6069W	1200	From 1984-01-01 to 1999-08-25
Marana (Italy)	MARN	Italy	45.6378N	11.2099E	550	From 2009-11-27
Marand	IMRD	Iran	38.7133N	45.7030E	1684	From 1995-08-01
Marapu	PGMAR	New Britain,Papua New Guinea	5.5830S	150.7675E	110	
Marathon	MTX	Texas,U.S.A.	30.3079N	103.2542W	1363	
Maraveh tapeh	MRVT	Iran	37.6593N	56.0893E	870	From 2006-03-18
Marayes	AMAR	San Juan,Argentina	31.4555S	67.3277W	659	
Marble Bar	MBWA	Western Australia,Australia	21.1590S	119.7312E	194	From 2001-08-25
Marble Bar	MBL	Western Australia,Australia	21.1600S	119.8330E	200	From 1976-06-23 to 2006-05-29
Marble Bar	MBT	Western Australia,Australia	21.1700S	119.7420E	200	From 1972-10-01 to 1976-06-23
Marble Canyon	MCA	California,U.S.A.	36.6466N	117.2805W	303	From 1979-01-23
Marblemount	B06A	Washington,U.S.A.	48.5183N	121.4845W	75	From 2006-09-17 to 2008-11-12
Marchena, Sevilla	E012	Spain	37.3710N	5.5248W	144	From 2007-10-30 to 2009-07-07
Marconi Conference Center, Marshall	MCCM	California,U.S.A.	38.1448N	122.8802W	-7	
Marcus Island	MCS	Marcus Island,Japan	24.2900N	153.9880E		From 1966-01-01 to 1970-12-31
Mardin	MARD	Turkey	37.3139N	40.7789E	1290	From 2005-06-24
Mared	SMRD	Iran	30.4979N	48.3069E	5	From 2010-08-11
Maredsous	BMRD	Belgium	50.3025N	4.7675E	215	From 1997-09-25
Mareno di Piave, Italy	MMAR	Italy	45.8419N	12.3602E	33	From 2010-06-07
Mareth	MART	Tunisia	33.5768N	10.2495E	140	
Marewa	MRH	North Island,New Zealand	39.4992S	176.8880E	4	From 1987-03-19 to 1989-07-31
Margaret Lake	MGTN	Northwest Territories,Canada	63.6856N	109.5911W	411	
Marguerite Bay	ANC	Antarctic Peninsula	68.1944S	67.0000W	7	
Maria Elena	MACH	Antofagasta,Chile	22.1955S	69.7577W	2003	From 2007-11-21
Mariazell	MZA	Austria	47.7703N	15.3283E	990	
Ma'rib	MARB	Yemen	15.4640N	45.3200E	1120	From 1994-11-01
Maricao	MRCP	Puerto Rico	18.1770N	67.0310W	330	
Maricopa	MARC	California,U.S.A.	35.0025N	119.3390W	436	
Marie-Galante	MGG	Guadeloupe	15.9180N	61.3168W	51	
Marienthal	R29A	Kansas,U.S.A.	38.4243N	101.1383W	957	From 2009-04-17
Mariestad	MRE	Sweden	58.6170N	13.7460E		From 1980-01-01 to 1991-12-31
Marin Headlands	MHDL	California,U.S.A.	37.8421N	122.4940W	0	
Marino	MA9	Italy	41.7702N	12.6593E	340	From 2000-05-11
Marion BPA Site DOGAMI SMO	MRIN	Oregon,U.S.A.	44.8002N	122.6995W	187	From 2002-03-19
Marion Island	MIO	Prince Edward Islands	46.9583S	37.9000E	10	
Mariponipon	MRPI	Sumatera,Indonesia	1.6125N	99.3172E	1100	
Marisa	MRSI	Sulawesi,Indonesia	0.4771N	121.9406E	0	From 2007-12-01
Markates	VMA	Greece	38.7058N	23.5876E	468	From 1983-01-01
Markates	MRKA	Greece	38.7058N	23.5875E	424	From 2008-10-16
Marked Tree	MK-	Arkansas,U.S.A.	35.5589N	90.2653W	61	
Marked Tree	MK-AR	Arkansas,U.S.A.	35.5589N	90.2653W	61	
Market Rasen	LMK	England,United Kingdom	53.4569N	0.3266W	130	From 1991-01-01
Marks Point, NSW, Australia	MKPT	New South Wales,Australia	33.0556S	151.6432E	20	From 2005-09-01
Mark West Springs	MAC	California,U.S.A.	38.5505N	122.7230W	134	From 1970-08-14

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mark W Springs	NMWM	California,U.S.A.	38.5505N	122.7230W	134	From 1970-08-14
Marlboro	MARL	Vermont,U.S.A.	42.7990N	72.8378W	580	From 1977-08-08 to 1983-02-25
Marlo Lake	MLON	Northwest Territories,Canada	63.9696N	109.8953W	418	
Marmara Adasi	MRMT	Turkey	40.6032N	27.5957E	800	
Marmara-Ereglisi-Tekirdag	SBT3	Turkey	40.8847N	27.9751E	-1204	From 2011-01-21
Marmari	MRMA	Greece	38.0573N	24.3792E	300	From 2008-10-14
Marmelete	MORF	Portugal	37.3063N	8.6508W	650	
Marmol	MRL	Guatemala	15.0658N	89.6912W	1460	From 1979-10-01
Maron	MAJ	Jawa,Indonesia	7.5667S	110.4170E		
Marquesado	RTMQ	San Juan,Argentina	31.5057S	68.6667W	798	
MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	HIMQ	Marquesas archipelago	8.8678S	140.1591W	806	From 2005-03-29
Marquette Ranch, East Glacier	B14A	Montana,U.S.A.	48.3609N	113.2729W	1529	From 2007-09-14 to 2009-08-10
Marrel Ranch, Paradise Valley	M09A	Nevada,U.S.A.	41.4230N	117.4497W	1355	From 2006-04-26 to 2008-04-01
Marsad	MRSJ	Jordan	29.6850N	35.3219E	810	From 1990-03-15
Marsa Matruh	MMT	Egypt	31.3800N	27.2750E		From 1975-01-01 to 1980-12-31
Marseilles	MAR	Provence-Cote d'Azur,France	43.3053N	5.3939E	75	
Marsico Vetere	MARE	Italy	40.3932N	15.8113E	1030	
Marston	MARMO	Missouri,U.S.A.	36.5300N	89.6690W	82	
Martakert	MTKZ	Armenia	40.2000N	46.8200E	480	From 1998-01-01
Martimbang	MARI	Sumatera,Indonesia	1.9603N	98.9681E	1680	
Martinez Indian Reservation	MIRC	California,U.S.A.	33.4162N	116.0810W	91	
MARTIN GARCIA	MGBA	Buenos Aires	34.1886S	58.2478W	22	From 1994-04-08
Martinsdale	E17A	Montana,U.S.A.	46.4620N	110.8576W	1835	From 2007-09-13 to 2009-09-07
Martis Peak	MPK	California,U.S.A.	39.2957N	120.0300W	2484	From 1973-04-01
Martos, Jaen	E024	Spain	37.7225N	3.9241W	1239	From 2007-07-02 to 2009-06-24
Martuni	MTNZ	Armenia	39.7970N	47.1140E	400	From 1998-01-01
Martvili	MARV	Georgia	42.4100N	42.3800E	190	
Marumori	JMM	Miyagi,Japan	37.8660N	140.7930E	100	
Maruseppu	JMP	Abashiri,Japan	44.0070N	143.3597E	460	
Marv??o	PMRV	Portugal	39.4283N	7.3917W	430	From 2007-07-01
Mary	MRY	Turkmenistan	37.6000N	61.8667E		
Mary Lake	YPML	Wyoming,U.S.A.	44.6028N	110.6063W	2519	
Mary Lake	YML	Wyoming,U.S.A.	44.6053N	110.6432W	2653	
Maryland--Naval Ordinance Lab	NLM	Maryland,U.S.A.	39.0324N	76.9805W	114	From 1962-01-01 to 1972-12-31
Mary Lane Ranch, Marfa	526A	Texas,U.S.A.	30.0609N	104.0898W	1405	From 2008-03-05 to 2010-02-09
Marymoor Park	MARYW	Washington,U.S.A.	47.6625N	122.1211W	11	
Mary's Peak	MPOR	Oregon,U.S.A.	44.5048N	123.5500W	1249	From 1990-08-01
Marysvale	MVU	Utah,U.S.A.	38.5037N	112.2123W	2239	
Marysvale	MSU	Utah,U.S.A.	38.5123N	112.1772W	2105	From 1975-11-01
Marysville	MV-CL	California,U.S.A.	39.2131N	121.2931W	183	From 1961-10-22 to 1966-03-12
Marysville	MV-	California,U.S.A.	39.2131N	121.2931W	183	From 1961-10-22 to 1966-03-12
Maryville	MVLT	Tennessee,U.S.A.	35.7340N	83.9420W		From 1984-01-29
Maryville College	MVMO	Missouri,U.S.A.	38.6465N	90.5009W	183	
Masachapa	MCH	Nicaragua	11.8747N	86.5287W	147	From 1975-01-01
Masada	MZBI	Israel	31.3126N	35.3580E	-56	From 2010-06-27
Masada	MSDA	Israel	31.3200N	35.2900E	400	
Masada	MZDA	Israel	31.3096N	35.3628E	-275	From 1991-05-01
Masamba	MSSI	Sulawesi,Indonesia	2.5547S	120.3241E	111	From 2005-01-01
Masan	KSMAS	South Korea	35.1706N	128.5725E	78	From 2000-12-05
Masaya	MASN	Nicaragua	11.9873N	86.1513W	500	
Masbate	MMPH	Luzon,Philippines	12.3580N	123.6240E	11	
Masc	MASC	Cuba	20.1750N	74.2310W		
Mas de Barberans	CMAS	Spain	40.7267N	0.3150E	530	From 2006-04-01
Mash'abbe Sade	MASH	Israel	30.9960N	34.7850E	365	
Mashad	ISRO	Iran	36.3088N	59.4703E	1050	From 2007-03-01
Mashad	MHI	Iran	36.3088N	59.4703E	1150	From 1975-09-15
Mashhad	MSH	Iran	36.3111N	59.5878E	987	From 1965-09-17 to 1975-09-06
Mashhad (SRO)	MAIO	Iran	36.3083N	59.4717E	1150	From 1975-10-01
Mashhad University	MUI	Iran	36.3117N	59.6050E	1000	From 1972-01-01
Masjed Soleyman	MSHA	Iran	31.9000N	49.3000E		
Maskali	MKL	Djibouti	11.7123N	43.1498E	5	
Masohi	MSAI	Moluccas,Indonesia	3.3461S	128.9285E	82	From 2005-01-01
Mason Butte	MAS	Idaho,U.S.A.	46.6327N	116.3580W	1141	From 1971-10-01 to 1976-01-14
Massena	MSNY	New York,U.S.A.	44.9983N	74.8620W	55	From 1977-02-01
Masseria Cannata	ECAN	Sicily,Italy	37.8880N	14.9100E	1140	From 1994-10-01
Masset	MSTB	British Columbia,Canada	54.0033N	132.1180W	91	From 1987-12-04
Masset	MASB	British Columbia,Canada	54.0150N	132.0230W	15	
Mastiano	MAIM	Italy	43.9142N	10.4915E	210	From 2000-09-01
Masuda	JMD	Shimane,Japan	34.6317N	131.8933E	260	
Masugnsbyn	MASU	Sweden	67.4569N	21.9983E	500	From 2003-11-19
Masuku	MSKU	Gabon	1.6557S	13.6116E	287	
Matagami	MATQ	Quebec,Canada	49.7589N	77.6376W	280	From 2007-09-19
Matakaoa Point	MXZ	North Island,New Zealand	37.5638S	178.3063E	126	From 2004-03-01
Matam	MMS	Senegal	15.6167N	13.3333W	50	
Mataram	MTNI	Lombok,Indonesia	8.6360S	116.1707E	108	From 2005-01-01
Mataram	KLNI	Lombok	8.4219S	116.0949E	99	
Matarih	MATL	Lebanon	33.4887N	35.3297E	5	From 2000-11-01
Matatall Enterprise, Big Sandy	138A	Texas,U.S.A.	32.6604N	95.0887W	143	From 2010-02-22
Matau	MTUR	Romania	45.2261N	25.0630E	1018	From 1988-08-01
Matawai	MWZ	North Island,New Zealand	38.3357S	177.5275E	600	From 2004-02-29
Matea Rd	MRHZ	North Island,New Zealand	38.8337S	176.4173E	772	From 2010-05-14
Matera	MATE	Italy	40.6493N	16.7047E	0	From 2007-04-24
Mathat	MATF	Poitou-Charentes,France	45.8308N	0.2883W	30	
Mati	MATI	Luzon,Philippines	6.9460N	126.2570E	120	
Matias Romero	CMIG	Oaxaca,Mexico	17.0910N	94.8840W	200	
Matka	MYG	Former Yugoslav Rep. of Macedonia	41.9567N	21.3008E	306	From 1969-01-01
Matopo	MATP	Zimbabwe	20.4258S	28.4994E	1215	
Matouba	MBG	Guadeloupe	16.0481N	61.6839W	830	
Matruh	HMAT	Egypt	31.0940N	27.0964E	239	
Matruh	MATC	Egypt	31.3457N	27.2305E	30	
Matruh	MAT1	Egypt	31.3450N	27.2340E	55	
Matshushiro Site	MJ00	Nagano,Japan	36.5427N	138.2070E	406	
Matsu	MTST	Taiwan region	26.0900N	119.5600E	113	
Ma-tsu	MATB	Taiwan region	26.1515N	119.9456E	75	
Matsu Arr-Jizo	MJA0	Nagano,Japan	36.5427N	138.2472E	629	
Matsu-Daira	MJB3	Nagano,Japan	36.4847N	138.2944E	848	
Matsue	MTS	Shimane,Japan	35.4550N	133.0720E	18	
Matsu-Inaba	MJB8	Nagano,Japan	36.5214N	138.2099E	729	
Matsu-Irikaruiz	MJB6	Nagano,Japan	36.4712N	138.2507E	762	
Matsu-Jizotouge	MJA4	Nagano,Japan	36.5115N	138.2422E	997	
Matsula	MTSE	Estonia	58.7144N	23.8146E	3	From 2006-08-07
Matsumoto	MTM	Nagano,Japan	36.2433N	137.9730E	610	
Matsumoto	MTMJ	Nagano,Japan	36.5850N	137.8050E	929	From 1978-01-01
Matsumotoyama	MATH	Iburi,Japan	42.5489N	140.8683E	120	
Matsu-Nakagumi	MJB4	Nagano,Japan	36.4677N	138.2816E	736	
Matsu-Nakaone	MJA2	Nagano,Japan	36.5241N	138.2656E	1126	
Matsushiro	MAT	Nagano,Japan	36.5427N	138.2070E	406	From 1947-05-01
Matsushiro	MAJO	Nagano,Japan	36.5427N	138.2070E	405	From 1977-06-30
Matsushiro Array Beam Reference Point	MJAR	Nagano,Japan	36.5417N	138.2090E	422	
Matsushiro Array Site 0	MAT0	Nagano,Japan	36.5417N	138.2067E	407	
Matsushiro Array Site 1	MJ01	Nagano,Japan	36.5599N	138.2419E	598	
Matsushiro Array Site 2	MJ02	Nagano,Japan	36.5393N	138.3193E	1230	
Matsushiro Array Site 4	MJ04	Nagano,Japan	36.4681N	138.2538E	760	
Matsushiro Array Site 4	MJ03	Nagano,Japan	36.4816N	138.2976E	837	
Matsushiro Array Site 5	MJ05	Nagano,Japan	36.4867N	138.2139E	960	
Matsushiro Array Site 6	MJ06	Nagano,Japan	36.5216N	138.2503E	616	
Matsu-Soehiyama	MJA3	Nagano,Japan	36.4956N	138.2467E	886	
Matsu-Sugadaira	MJB2	Nagano,Japan	36.5423N	138.3160E	1255	
Matsu-Takimoto	MJB1	Nagano,Japan	36.5630N	138.2387E	611	
Matsu-Toyosaka	MJA1	Nagano,Japan	36.5338N	138.2523E	630	
Matsu-Tunnel	MJB9	Nagano,Japan	36.5458N	138.2039E	454	
Matsu-Wadaira	MJB7	Nagano,Japan	36.4898N	138.2108E	997	
Matsuyama	MTY	Ehime,Japan	33.8400N	132.7800E	34	
Matsu-Yatsubo	MJB5	Nagano,Japan	36.4824N	138.2575E	803	
Mattawa	MW-	Ontario,Canada	46.2753N	78.5717W	244	From 1962-10-11 to 1962-10-27
Mattawa	MW-ON	Ontario,Canada	46.2753N	78.5717W	244	From 1962-10-11 to 1962-10-27
Matthews	MATM	Missouri,U.S.A.	36.7743N	89.6046W	86	
Mattmark	MMK	Switzerland	46.0505N	7.9640E	2210	From 1981-01-07
Matua	MAU	Sakhalinskaya Oblast',Russia	48.0600N	153.2500E	20	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Matupit	MIP	New Britain,Papua New Guinea	4.2433S	152.1900E	2	
Matupit Island	MPT	New Britain,Papua New Guinea	4.2437S	152.1900E	2	
Matura	TTR	Trinidad and Tobago	10.6740N	61.0660W	46	From 1984-07-01
Maui	MAUI	Hawaii,U.S.A.	20.7684N	156.2448W	2060	
Maumere	MMRI	Flores,Indonesia	8.6357S	122.2376E	137	From 2006-11-01
Mauna Kea	MKH	Hawaii,U.S.A.	19.8267N	155.4720W		From 1975-01-01 to 1999-08-25
Mauna Loa	MLH	Hawaii,U.S.A.	19.4967N	155.3880W	2010	From 1958-07-01
Mauna Loa 2	MLX	Hawaii,U.S.A.	19.4600N	155.3450W	1475	From 1966-09-21
Mauna Loa Observatory	MLOA	Hawaii,U.S.A.	19.5360N	155.5760W	3399	
Maungaku	MGZ	North Island,New Zealand	39.0019S	175.5390E	806	From 1984-04-11
Maupin	VMNM	Oregon,U.S.A.	45.1868N	121.0530W	555	
Maura Aman, Bengkulu	MASI	Sumatera,Indonesia	3.1415S	102.2396E	384	From 2008-12-01
Maura Dua	MDSI	Sumatera,Indonesia	4.4861S	104.1783E	0	From 2007-12-01
Maurine	G26A	South Dakota,U.S.A.	45.2937N	102.5990W	833	From 2009-07-09
Mauritius Island	MRI	Mauritius	20.1000S	57.5300E		
Mauritius Meteorological Services (Vacoas)	MRIV	Mauritius	20.2980S	57.4970E	424	From 2007-01-15
Mavora Lakes	MLZ	South Island,New Zealand	45.3481S	168.1728E	640	From 1996-03-01
Mawashi	MWS	Ryukyu Islands,Japan	26.2333N	127.6830E	25	
Mawson	MAW	Mac Robertson Land	67.6039S	62.8706E	12	From 1956-01-01
Maxey Ranch	PMRM	California,U.S.A.	35.7848N	120.2360W	512	
Maximikha	MXMB	Buryatiya,Russia	53.2630N	108.7450E	510	From 1997-10-01
Mayacamas Mountains	GMMM	California,U.S.A.	38.8382N	122.7988W	963	
Mayadein	HMYD	Egypt	29.7958N	30.8009E	279	
Mayaguez	MPR	Puerto Rico	18.2117N	67.1398W	22	From 1973-01-01
Maychil	PT20	Peru	6.5190S	79.1860W	1180	
Mayfield	MAY	Washington,U.S.A.	46.0833N	122.0830W		
May Junction 2	MJ2	Washington,U.S.A.	46.5575N	119.3590W	146	From 1989-03-13
Maynard	MAYB	British Columbia,Canada	50.4025N	127.1720W	1414	From 1994-09-02
Mayon Resthouse	VMR	Luzon,Philippines	13.2800N	123.6710E	800	
Mayor Island	MYRZ	North Island,New Zealand	37.2819S	176.2407E	356	From 2004-05-21
Maysville	MVKY	Ohio,U.S.A.	38.6460N	83.7614W	213	
Mazaricos	EMAZ	Spain	42.9490N	8.9765W	405	
Mazatlaan	MAIG	Sinaloa,Mexico	23.1883N	106.4244W	10	
Mazatlan	MZX	Sinaloa,Mexico	23.2008N	106.4253W	10	
Mazatlan	MAZ	Sinaloa,Mexico	23.1881N	106.4061W	65	
Maze	MZE	Gifu,Japan	35.8911N	137.1553E	590	
Mazidag	MAZI	Turkey	37.4593N	40.4467E	1212	From 2009-06-29
Mazie Landing	MZO	Oklahoma,U.S.A.	36.1316N	95.3001W	182	From 1976-09-16 to 1978-06-16
Mazirat	MZF	Auvergne,France	46.2156N	2.5839E	480	From 1971-01-01 to 1985-07-10
Mazirat	MAF	Auvergne,France	46.2215N	2.5664E	470	From 1985-07-10
Mazon	MSON	Ecuador	1.4845S	78.4678W	3380	From 1992-12-10
Mazracia	MAZR	Egypt	27.9292N	33.9948E		
Mbarara	MBAR	Uganda	0.6019S	30.7382E	1390	
Mbeya	MBAT	,United Republic of Tanzania	8.8740S	33.4528E	1780	From 1992-06-12
M'Bour	MBO	Senegal	14.3908N	16.9547W	3	
MBSI	MBSI	Sumatera,Indonesia	3.7611S	102.2710E	27	From 2006-12-01
McAlpine Lake	MALO	Ontario,Canada	50.0244N	79.7635W	271	
McCarthy VSAT	MCARA	Alaska,U.S.A.	61.3841N	143.0219W	447	
McCloud	M03C	California,U.S.A.	41.2742N	122.1220W	1047	From 2005-07-12 to 2007-11-13
McCloud Flat S	MFSM	California,U.S.A.	36.1172N	117.8550W	1524	From 1975-09-25
McCloud Flat South	MFS	California,U.S.A.	36.1172N	117.8550W	1524	From 1975-09-25
McClure	MCIL	Illinois,U.S.A.	37.2965N	89.4984W	115	
McComb	MB-	Mississippi,U.S.A.	31.3428N	90.2864W	122	From 1966-11-15 to 1966-12-06
McComb	MB-MS	Mississippi,U.S.A.	31.3428N	90.2864W	122	From 1966-11-15 to 1966-12-06
McCrory	MY-	Arkansas,U.S.A.	35.3511N	91.0797W	61	From 1962-07-16 to 1962-08-03
McCrory	MY-AR	Arkansas,U.S.A.	35.3511N	91.0797W	61	From 1962-07-16 to 1962-08-03
McDonald Obs.	MOT3	Texas,U.S.A.	30.5419N	104.6580W	1481	
McDonald Obs.	MOT1	Texas,U.S.A.	30.9290N	104.3910W	1715	
McDonald Obs.	MOT2	Texas,U.S.A.	30.8990N	105.0800W	2088	
McDonald Obs.	MOT4	Texas,U.S.A.	30.2730N	104.5700W	1469	
McDonald Observatory	MOT	Texas,U.S.A.	30.6797N	104.0080W	2020	From 1975-08-01
McDonald Observatory, Fort Davis	426A	Texas,U.S.A.	30.6689N	104.0293W	1943	From 2008-03-12 to 2010-02-09
McDonald Ranch, Hollis	X31A	Oklahoma,U.S.A.	34.6309N	99.9793W	514	From 2009-03-19
McGee Creek	MGCB	British Columbia,Canada	48.6317N	123.6808W	236	
McGill	P12A	Nevada,U.S.A.	39.4731N	114.9075W	1878	From 2006-05-30 to 2008-09-02
McKendrick Lake	KLN	New Brunswick,Canada	46.8433N	66.3717W	411	
McKenzie Canyon	MCMT	Montana,U.S.A.	44.8277N	112.8490W	2323	From 1989-09-14
McKinley	MCK	Alaska,U.S.A.	63.7323N	148.9349W	618	From 1964-12-01
McKinney Farm, Littlefield	Y28A	Texas,U.S.A.	33.9086N	102.2479W	1068	From 2009-01-26
McLaughlin	F28A	South Dakota,U.S.A.	45.8485N	100.8005W	633	From 2009-08-21
McLaughlin Mine	HOME	California,U.S.A.	38.8800N	122.4600W	0	
McLaughlin Natural Reserve	MNRC	California,U.S.A.	38.8787N	122.4428W	709	
McLaughlin Ranch	GMCM	California,U.S.A.	38.7927N	123.1300W	439	From 1975-05-07
McManaman Lake, Nunavut	MCMN	Nunavut,Canada	63.3043N	92.2977W	46	From 2010-08-04
McMillan Canyon	PMCM	California,U.S.A.	35.7247N	120.3710W	488	
McMinnville	MM-TN	Tennessee,U.S.A.	35.5644N	85.5889W	381	From 1961-12-17 to 1963-04-01
McMinnville	MM-	Tennessee,U.S.A.	35.5644N	85.5889W	381	From 1961-12-17 to 1963-04-01
McMurdo Sound	MCM	Victoria Land	77.8333S	166.6000E	25	
McNeil Island	MEW	Washington,U.S.A.	47.2019N	122.6460W	98	From 1985-03-01
McNeill Hill	MCHZ	North Island,New Zealand	39.4443S	176.6967E	349	From 2008-05-27
McNeil River	MCL	Alaska,U.S.A.	59.1027N	154.2000W	273	From 1975-01-01 to 1981-08-16
McNeil River	MCNL	Alaska,U.S.A.	59.1852N	154.3370W	442	From 1981-08-22
McPhails Peak	BMCM	California,U.S.A.	36.6567N	121.3650W	1022	From 1975-01-26
McQueen's Valley	MQZ	South Island,New Zealand	43.7078S	172.6520E	60	From 1990-03-01
McRoberts Ranch, Bridgeport	M26A	Nebraska,U.S.A.	41.4661N	103.1427W	1348	From 2008-12-06
Meade Ranch, Gillette	I23A	Wyoming,U.S.A.	43.9605N	105.4629W	1462	From 2008-10-16
Meadow Creek Golf Course	MGU	Utah,U.S.A.	40.6815N	111.9180W	1291	From 1993-06-24
Meangora	MEG	New South Wales,Australia	35.1006S	150.0370E	712	From 1978-05-17 to 2007-08-29
Meany Midle School ANSS-SMO	MEAN	Washington,U.S.A.	47.6225N	122.3064W	37	From 2002-02-19
Mecca Hills	MECC	California,U.S.A.	33.6353N	116.0280W	495	
Mechernich	MEC	Nordrhein-Westfalen,Germany	50.6000N	6.6667E		
Meda	MEDT	Tunisia	34.1082N	9.9203E	90	
Medan	MED	Sumatera,Indonesia	3.5500N	98.6833E	32	
Medea	MEB	Algeria	36.3030N	2.7300E	500	
Medea	AMDA	Algeria	36.2600N	2.7100E	1059	
Medellin	MEDC	Colombia	6.2028N	75.5808W	1518	
Medford	MF-	Wisconsin,U.S.A.	45.3475N	90.5897W	412	From 1962-12-22 to 1963-04-01
Medford	MF-WS	Wisconsin,U.S.A.	45.3475N	90.5897W	412	From 1962-12-22 to 1963-04-01
Medias	MDB	Romania	46.1417N	24.3806E	375	From 1979-01-01
Medicine Creek Dam	MKN	Nebraska,U.S.A.	40.3739N	100.2250W	732	From 1979-03-01 to 2001-07-15
Medicine Lake	LMDM	California,U.S.A.	41.5730N	121.6230W	2140	
Medina	MEDY	New York,U.S.A.	43.1818N	78.3903W	186	From 1978-12-01 to 2002-12-20
Medina	MEDO	New York,U.S.A.	43.1646N	78.4546W	190	From 2004-05-07
Medio Mundo	MMO	Nicaragua	11.8942N	86.0150W	480	From 1975-01-01
Meekatharra	MEK	Western Australia,Australia	26.6128S	118.5450E	515	
Meekatharra	MEEK	Western Australia,Australia	26.6376S	118.6135E	529	From 1992-06-03
Meekatharra	MEKA	Western Australia,Australia	26.6142S	118.5360E	390	From 1986-05-01 to 1991-06-16
Meers	MEO	Oklahoma,U.S.A.	34.7835N	98.5846W	465	From 1985-09-01
Meers Fault	MFO	Oklahoma,U.S.A.	34.8212N	98.5296W	451	From 1984-04-20 to 1985-05-31
Meerut	MEE	Uttar Pradesh,India	28.9167N	77.6667E	220	
Meeteetse	I19A	Wyoming,U.S.A.	44.0363N	108.9943W	1982	From 2008-08-12
Megha	MEGN	Nepal	28.7100N	82.3400E	2740	
Megler CREST BB SMO	MEGW	Washington,U.S.A.	46.2661N	123.8771W	351	From 2001-11-16
Megri	MGRZ	Armenia	38.9000N	46.2400E	0	
Mehetia	MEH	Society Islands,French Polynesia	17.8753S	148.0661W	300	
Mehriz	IMEH	Iran	31.3902N	54.6130E	2130	From 1998-10-01
Mei-Ami	MAMI	Israel	32.5000N	35.1500E	460	
Meikle Cairn	MME1	Scotland,United Kingdom	57.3149N	2.9647W	475	From 1981-01-01
Meishan	TWO	Taiwan region	23.5761N	120.5490E	180	From 1972-09-10
Meishan	TWO1	Taiwan region	23.5705N	120.5946E	231	From 1976-08-20
Meitler Ranch, Lucas	Q32A	Kansas,U.S.A.	38.9908N	98.5596W	526	From 2009-10-20
Mejillones	MECH	Antofagasta,Chile	23.1038S	70.4483W	18	From 2007-11-16
Melanico ??? S. Croce di Magliano	MELA	Italy	41.7059N	15.1270E	115	From 2008-04-23
Melbourne	MEL	Victoria,Australia	37.8314S	144.9733E	28	From 1902-01-01
Meldola (FC)	AD01	Italy	44.0583N	12.0975E	284	From 2010-03-31
Melhnausar	IMEL	Iceland	65.5700N	16.6573W	370	From 2009-09-30
Melilla	EMEL	Spain	35.3000N	2.9567W	85	From 1988-02-01 to 1999-01-31
Melilla	MELI	Spain	35.2938N	2.9350W	5	
Melilla	EMLI	Morocco	35.3000N	2.9500W	0	From 2002-06-21

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Melilli	MEI	Sicily,Italy	37.1806N	15.1300E		
Melles	MELF	Midi-Pyrenees,France	42.8727N	0.7592E	940	From 1997-10-08
Mels	MELS	Switzerland	47.0484N	9.3826E	1060	
Mely	MLYF	Provence-Cote d'Azur,France	43.9880N	5.7670E	765	From 2010-07-13
Membach	MEM	Belgium	50.6092N	6.0066E	250	
Memphis	MPH	Tennessee,U.S.A.	35.1230N	89.9320W	94	From 1978-09-21 to 1983-01-10
Memphis--Engineering Building	MET	Tennessee,U.S.A.	35.1220N	89.9340W	93	From 1973-11-13
Menan Buttes	MBI	Idaho,U.S.A.	43.7864N	111.9710W	1707	From 1973-09-01 to 1974-07-31
Menard	432A	Texas,U.S.A.	30.8755N	99.7937W	647	From 2009-02-17
Mencas	MENF	Picardie,France	50.5582N	2.1550E	100	
Mendi	MNDI	Papua New Guinea	6.1550S	143.6580E	1800	From 1985-08-28
Mendips	SMD	England,United Kingdom	51.3083N	2.7170W	310	
Mendoza	MEN	Mendoza,Argentina	32.9050S	68.8642W	287	
Mendoza	MDZ	Mendoza,Argentina	32.8833S	68.8500W	826	From 1968-03-07
Mendum Tagoi	MENI	Irian Jaya,Indonesia	2.5103S	140.4170E	300	
Menerdue Farm	CME	England,United Kingdom	50.1760N	5.1903W	178	From 1982-01-01 to 1994-05-31
Mengen	MGN	Turkey	40.9248N	32.1812E	720	From 1970-08-01 to 1982-07-10
Menlo Park	JMPM	California,U.S.A.	37.4556N	122.1660W	17	
Menlo Park	MOB	California,U.S.A.	37.4502N	122.1830W	21	From 1967-09-22 to 1976-09-11
Menlo Park	LT7	California,U.S.A.	37.4502N	122.1830W	21	From 1967-09-22 to 1976-09-11
Mentasta	MENT	Alaska,U.S.A.	62.9381N	143.7194W	702	
Menton	MENA	Provence-Cote d'Azur	43.7840N	7.4890E	210	From 1999-02-09
Mentor	CMEN	Ohio,U.S.A.	41.6840N	81.4040W	188	
Menzel Bouzelfa	MBZ	Tunisia	36.6800N	10.6700E	220	
Meolans	OG27	Rhone-Alpes,France	44.3932N	6.5085E	1393	From 1991-04-17
Mera	TMS	Chiba,Japan	34.9200N	139.8280E	13	
Merapi	MRP	Jawa,Indonesia	7.4000S	110.2670E		
Merate	MERA	Italy	45.6725N	9.4182E	350	From 2005-10-25
Merauke	MMPI	Irian Jaya,Indonesia	8.4667S	140.3833E	8	
Merced	S05C	California,U.S.A.	37.3460N	120.3296W	85	From 2005-04-18 to 2007-12-08
Mercer	MCR	Alaska,U.S.A.	63.8952N	149.0590W	456	From 1971-09-01 to 1975-07-31
Mercury	MCY	Nevada,U.S.A.	36.6620N	115.9621W	1308	From 1980-03-07 to 2002-10-10
Mercury	MCN	Nevada,U.S.A.	36.9315N	116.0560W		
Mercury	MCV	Nevada,U.S.A.	36.6335N	116.0000W	1158	From 1971-01-01 to 1979-08-31
Mercy Hot Springs	BMSM	California,U.S.A.	36.6580N	120.7940W	769	From 1973-12-06
Merida	MER	Yucatan,Mexico	20.9475N	89.6164W	7	
Meridian	MRO	Oklahoma,U.S.A.	35.8356N	97.2265W	294	From 1978-03-16 to 1982-09-04
Meriville Lake	BMRO	Ontario,Canada	44.5952N	81.2174W	178	From 2007-08-02
Merkhyat	MRKH	Sudan	15.7010N	32.3670E	446	From 2003-11-01
Merouana	CMER	Algeria	35.6200N	5.9000E	1020	
Merrill Creek	HRMC	New Jersey,U.S.A.	40.7230N	75.0890W	295	
Merrill Creek	PMMC	New Jersey,U.S.A.	40.6410N	75.1230W	152	
Merrill Creek	PFMC	New Jersey,U.S.A.	40.7250N	75.1550W	220	
Merrill Creek	PDMC	New Jersey,U.S.A.	40.7560N	75.1170W	232	
Merrill Creek	ABMC	New Jersey,U.S.A.	40.6860N	75.0540W	170	
Merrill Creek	PEMC	New Jersey,U.S.A.	40.7580N	75.0760W	305	
Merrill Creek	EPMC	New Jersey,U.S.A.	40.6580N	75.1900W	140	
Merrill Creek	FHMC	New Jersey,U.S.A.	40.7510N	75.0400W	256	
Merritt	ME-BC	British Columbia,Canada	50.1058N	120.6656W	1067	From 1962-07-07 to 1962-07-17
Merritt	ME-	British Columbia,Canada	50.1058N	120.6656W	1067	From 1962-07-07 to 1962-07-17
Mersa Alam	EMRS	Egypt	25.0131N	34.8387E	197	From 2003-06-20
Mersin	MERS	Turkey	36.8677N	34.5222E	802	From 2005-08-23
Mersin	KIZK	Turkey	36.4803N	34.1437E	165	From 2009-06-10
Mertzon	330A	Texas,U.S.A.	31.4063N	101.1752W	742	From 2009-03-04
Meru	MERK	Kenya	0.1925S	37.8095E	920	From 1997-12-01
MESA	MESA	Alaska,U.S.A.	60.1790N	141.9485W	1919	
Mesa Falls	YPMF	Idaho,U.S.A.	44.1432N	111.2882W	1786	
Mesagne	MESG	Italy	40.5890N	17.8500E	78	From 2009-05-26
Mesa Lucero	MLM	New Mexico,U.S.A.	34.8144N	107.1450W	2088	From 1976-01-01
Mesa, Roswell	Y25A	New Mexico,U.S.A.	33.9229N	104.6928W	1364	From 2008-04-16
Mesas	MESS	Costa Rica	10.7407N	85.1943W	677	From 2000-01-01
Mesa State College	MSCO	Colorado,U.S.A.	39.0794N	108.5546W	1387	
Mesa Verde	MVCO	Colorado,U.S.A.	37.2103N	108.4986W	2169	
Mesquite Ranch, Deming	221A	New Mexico,U.S.A.	32.0094N	107.7782W	1277	From 2008-02-11 to 2010-01-18
Messejana	MESJ	Portugal	37.8400N	8.2200W	147	From 2007-07-04
Messina	MSNA	South Africa	22.3452S	30.0232E	600	
Messina ING	MSI	Sicily,Italy	38.2052N	15.5539E	55	From 1967-07-01
Messina Univ.	MES1	Sicily,Italy	38.1989N	15.5550E	45	
Messina University	MES	Sicily,Italy	38.1989N	15.5550E	45	
Messtetten	MSS	Baden-Wurttemberg,Germany	48.1783N	8.9615E	948	From 1933-01-01
Mesters Vig	MVG	Norway	72.2300N	23.9400E	0	From 2010-09-09
Mestia	MTIG	Georgia	43.0417N	42.7723E	1395	From 1973-01-01
Met	MTZV	Vietnam	21.5480N	106.3420E	50	From 2002-01-01
Metahra	OMET	Algeria	35.3300N	0.7300W	400	From 2004-12-01
Meteti	UPD2	Panama	8.5475N	78.0148W	86	From 2010-06-01
Metsahovi	MEF	Finland	60.2172N	24.3958E	55	
Metsamor	METS	Armenia	40.1500N	44.0800E	850	
Metsovon	MEV	Greece	39.7850N	21.2289E	1500	
Mettingen	NE34	Nordrhein-Westfalen,Germany	52.3110N	7.7710E	122	
Metzger Ranch, Havre	A18A	Montana,U.S.A.	48.9198N	109.8459W	804	From 2007-11-20 to 2009-09-03
Meulaboh, Aceh	MLSI	Sumatera	4.2668N	96.4040E	58	
Mexicali	MBIG	Baja California,Mexico	32.4072N	115.1981W	2	From 2008-03-01
Mexican Hat	T18A	Utah,U.S.A.	37.1364N	109.8741W	1297	From 2007-06-23 to 2009-03-05
Mexico City	MEX	Mexico D.F.,Mexico	19.3289N	99.1861W	2280	From 1978-06-01
Meyer Farm, Musselshell	E20A	Montana,U.S.A.	46.5038N	108.1301W	954	From 2008-08-09
Meyer Ranch, Chandler	V35A	Oklahoma,U.S.A.	35.7626N	96.8378W	280	From 2010-03-13
Mezcala	MEIG	Guerrero,Mexico	17.9258N	99.6197W	808	From 2005-03-09
Mezhgor'ye	MEZ	Ukraine	48.5140N	23.5140E	440	
Mezontepec	IIZ	Mexico:State,Mexico	19.1875N	99.2413W	3430	
MHIT	MHIT	Flores,Indonesia	8.4500S	119.8900E	123	From 2008-01-01
Miami	IMYA	Iran	36.3416N	60.1017E	1684	From 1999-07-01
Miami	MIA	Florida,U.S.A.	25.9167N	80.3000W		From 1945-01-01 to 1956-12-31
Mianeh	MISD	Iran	37.3500N	47.6000E	0	
Miaoli City	NML	Taiwan region	24.5650N	120.8260E	45	From 1999-08-04
Mica Creek	MCE	British Columbia,Canada	52.0033N	118.5620W	625	From 1977-06-04 to 1981-08-12
Mica Creek	MCC	British Columbia,Canada	52.0517N	118.5850W	578	
Michaelchurch	MCH1	Wales,United Kingdom	51.9974N	2.9983W	219	From 1978-01-01
Michelle Canyon Maxwell	MCMB1	British Columbia,Canada	52.8217N	123.8190W	1233	From 2007-11-22 to 2008-06-14
Michilla	MIC	Antofagasta,Chile	22.7064S	70.2669W	100	
Michnevo	MHV	Moskovskaya Oblast',Russia	54.9595N	37.7664E	150	From 1995-05-01
Michoacan	CBZM	Michoacan,Mexico	18.0150N	102.4050W		
Michoacan	BVTM	Michoacan,Mexico	18.8933N	102.2650W		
Michoacan	ZEM	Michoacan,Mexico	18.7926N	102.1116W	200	
Micigliano	RM22	Italy	42.4445N	13.0488E	970	From 2009-04-10 to 2009-06-18
Middleburg	MR-	Pennsylvania,U.S.A.	40.8147N	77.1756W	213	From 1962-10-11 to 1962-10-27
Middleburg	MR-PA	Pennsylvania,U.S.A.	40.8147N	77.1756W	213	From 1962-10-11 to 1962-10-27
Middlebury	MDV	Vermont,U.S.A.	43.9992N	73.1812W	134	From 1970-03-01
Middle Cape	MMC	Alaska,U.S.A.	57.3333N	154.6350W	340	From 1971-08-01
Middle Mountain	MMNB	California,U.S.A.	35.9565N	120.4960W	385	
Middlesmoor	MMY	England,United Kingdom	54.1758N	1.8689W	427	
Middleton Gardens	MGS	South Carolina,U.S.A.	32.8978N	80.1410W	9	From 1976-03-31
Middleton Island	MID	Alaska,U.S.A.	59.4278N	146.3390W	37	From 1964-04-10
Middletown	NMTM	California,U.S.A.	38.8057N	122.4460W	422	From 1975-06-26
Midelt	MDT	Morocco	32.8169N	4.6139W	1200	
Midland	I28A	South Dakota,U.S.A.	43.9996N	101.1692W	655	From 2009-06-13
Mid-South CC	MCAR	Arkansas,U.S.A.	35.1449N	90.2225W	0	
Midway	MDY	Midway Islands,U.S.A.	28.2067N	177.3330W		From 1966-01-01 to 1970-12-31
Midway	MIDW	Midway Islands,U.S.A.	28.2157N	177.3697W	-75	
Midway	MDW	Washington,U.S.A.	46.6132N	119.7610W	330	From 1969-03-01
Midwest	J22A	Wyoming,U.S.A.	43.4126N	106.4785W	1587	From 2008-08-06
Midwestern State University	MSUEL	Texas,U.S.A.	33.8735N	98.5195W	294	From 2004-02-07
Miekihoku	JKN2	Mie,Japan	34.2390N	136.2737E	80	From 2005-03-23
Miglionico	MIGL	Italy	40.6044N	16.4410E	440	From 2006-08-07
MIHALICIK	AUMIH	Turkey	39.8679N	31.4832E	1416	From 2010-02-05
Mihama	MHJ	Fukui,Japan	35.5306N	135.9789E	260	
Mihama	JFM	Kyoto,Japan	35.5283N	135.9833E	161	
Mijas	EMIJ	Spain	36.5645N	4.7727W	470	
Mikata	JMT	Hyogo,Japan	35.4433N	134.5350E	270	
Mikawa	MIKN	Aichi,Japan	34.7626N	137.4701E	76	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mikawa	MKW	Hiroshima,Japan	34.6111N	133.1070E	320	From 1967-09-01
Mikazuki	MZT	Hyogo,Japan	34.9867N	134.4446E	200	
Mikes Peak	CMPM	California,U.S.A.	37.3577N	121.3080W	799	
Miki	JMIK	Hyogo,Japan	34.8070N	135.0538E	160	
Mila	MILA	New South Wales,Australia	37.0547S	149.1550E	785	From 2001-07-16
Milagra Ridge	JMGM	California,U.S.A.	37.6370N	122.4740W	201	From 1971-08-31
Milagra Ridge	MGA	California,U.S.A.	37.6370N	122.4740W	201	From 1971-08-31
Milan	V21A	New Mexico,U.S.A.	35.8054N	107.6378W	2046	From 2008-02-18 to 2010-02-07
Milan	MIL	Italy	45.4667N	9.1833E	124	
Milan	MILT	Tennessee,U.S.A.	35.8489N	88.7329W	146	From 1985-11-01
Milano	MILN	Italy	45.4803N	9.2321E	125	From 2006-06-01
Milas	MLSB	Turkey	37.2953N	27.7765E	500	From 2003-09-16
Milazzo	MILZ	Sicily,Italy	38.2713N	15.2313E	0	From 1995-01-01
Mile High Drive	MHD	Utah,U.S.A.	40.6607N	111.8010W	1597	From 1990-10-04
Miles City	E22A	Montana,U.S.A.	46.4386N	105.9488W	784	From 2008-10-30
Milestii Mici	MILM	Moldova	46.9186N	28.8127E	64	From 2009-12-22
Mileto	MLE	Italy	38.6000N	16.0500E	360	
Milford	MLF	Ohio,U.S.A.	39.1374N	84.2774W	238	From 1963-01-01
Milford North	MNU	Utah,U.S.A.	38.6197N	112.8470W	1664	From 1977-01-01
Milford Reservoir	MLK	Kansas,U.S.A.	39.1073N	96.8933W	386	From 1977-08-15
Milford Sound	MSZ	South Island,New Zealand	44.6733S	167.9280E	90	From 1966-03-01
Milimani	MILK	Kenya	0.1140S	34.7510E	1142	From 1997-02-01 to 1998-03-31
Military Pass	LMPM	California,U.S.A.	41.4883N	122.1620W	1865	
Mill City	MILG	California,U.S.A.	37.6213N	118.9870W	2536	From 1981-07-01
Mill Creek	MLL	California,U.S.A.	34.0913N	116.9360W	1513	
Millendorf	BD03	Nordrhein-Westfalen,Germany	50.9917N	6.5570E	70	From 2001-01-01
Miller	BRSD	South Dakota,U.S.A.	44.4430N	98.9563W	519	From 2008-10-05 to 2010-06-29
Miller Ranch	MT3	Texas,U.S.A.	30.5419N	104.6570W	1481	From 1977-06-01 to 2003-01-28
Miller Ranch, Amidon	E25A	North Dakota,U.S.A.	46.5009N	103.4013W	885	From 2009-06-11
Millersview	332A	Texas,U.S.A.	31.3829N	99.7423W	513	From 2009-03-06
Millersville	MVL	Pennsylvania,U.S.A.	39.9992N	76.3506W	91	
Millerton Lake Dam, Friant	T06C	California,U.S.A.	37.0069N	119.7089W	216	From 2004-12-06 to 2007-12-06
Millington	MLNT	Tennessee,U.S.A.	35.3340N	89.9300W	100	
Millom	LMI	England,United Kingdom	54.2206N	3.3070W	140	From 1989-01-01
Mills College	CMCM	California,U.S.A.	37.7813N	122.1760W	90	From 1971-07-20
Millsfield	MFTN	Tennessee,U.S.A.	36.1610N	89.3930W	113	
Milo	MIM	Maine,U.S.A.	45.2436N	69.0403W	140	From 1975-07-01 to 2004-10-14
Milos	MHL	Greece	36.6828N	24.3958E	400	
Milton-Freewater	MFW	Oregon,U.S.A.	45.9030N	118.4060W	384	From 1971-10-01
Milwaukee	MLW	Wisconsin,U.S.A.	43.0333N	87.9167W	194	From 1909-01-01 to 1957-12-31
Min@16e Min@16e	MNMC	Tarapaca,Chile	19.1308S	69.5953W	2304	
Mina	MNA	Nevada,U.S.A.	38.4328N	118.1570W	1525	
Mina	MN-NV	Nevada,U.S.A.	38.4361N	118.1481W	1524	
Mina	MN-	Nevada,U.S.A.	38.4361N	118.1481W	1524	
Mina	MINR	Krasnoyarskiy Kray,Russia	54.9000N	94.2000E	510	
Mina	R08A	Nevada,U.S.A.	38.3489N	118.1064W	1419	From 2006-03-03 to 2008-03-24
Mina	MNV	Nevada,U.S.A.	38.4322N	118.1540W	1507	From 1970-05-26
Mina Array Beam Reference Point	NVAR	Nevada,U.S.A.	38.4296N	118.3036W	2041	
Mina Array Site 1	NV01	Nevada,U.S.A.	38.4296N	118.3035W	2029	
Mina Array Site 10	NV10	Nevada,U.S.A.	38.4488N	118.3194W	2133	
Mina Array Site 2	NV02	Nevada,U.S.A.	38.4374N	118.3049W	2094	
Mina Array Site 3	NV03	Nevada,U.S.A.	38.4279N	118.2937W	1978	
Mina Array Site 32	NV32	Nevada,U.S.A.	38.3342N	118.3003W	1836	
Mina Array Site 33	NV33	Nevada,U.S.A.	38.4858N	118.4238W	1946	
Mina Array Site 4	NV04	Nevada,U.S.A.	38.4232N	118.3068W	1984	
Mina Array Site 5	NV05	Nevada,U.S.A.	38.4464N	118.2913W	2186	
Mina Array Site 6	NV06	Nevada,U.S.A.	38.4224N	118.2744W	1936	
Mina Array Site 7	NV07	Nevada,U.S.A.	38.4105N	118.2949W	1849	
Mina Array Site 8	NV08	Nevada,U.S.A.	38.4041N	118.3184W	1798	
Mina Array Site 9	NV09	Nevada,U.S.A.	38.4354N	118.3352W	1918	
Mina Array Sites 11 and 31	NV11	Nevada,U.S.A.	38.4320N	118.1554W	1509	
Minabe	JWM	Wakayama,Japan	33.8492N	135.3547E	170	
Mina Concepcion	EMIN	Spain	37.7675N	6.6724W	240	
Minamiashigara	ASG	Kanagawa,Japan	35.3138N	139.0279E	386	
Minamidaito 2	JMZ	Ryukyu Islands,Japan	25.8190N	131.2207E	50	
Minamidaito jima	MVI	Ryukyu Islands,Japan	25.8283N	131.2350E	14	From 1974-02-01
Minami-Gairin	SRMH	Iburi,Japan	42.5312N	140.8330E	476	
Minamiizu	MIZN	Shizuoka,Japan	34.6889N	138.8424E	105	
Minami-tori-shima	MCSJ	Marcus Island,Japan	24.2900N	153.9780E	10	
Mineo	MNE	Sicily,Italy	37.2500N	14.7333E	510	
Mineo	HMNO	Sicily,Italy	37.3180N	14.6000E	530	From 1994-05-01
Mineoka	MNJ	Chiba,Japan	35.1019N	139.9908E	100	
Minera del Fierro	MFCH	Maule,Chile	35.0244S	70.4411W	1920	
Mineral	MIN	California,U.S.A.	40.3460N	121.6066W	1470	From 1938-01-01 to 2000-06-29
Minerbio Fiu	FIU	Italy	44.6395N	11.4917E	12	
Minerbio--Passere	PASE	Italy	44.6062N	11.4567E	12	
Minerbio--Torre	TORE	Italy	44.6072N	11.5255E	16	
Miners Draw (BLM), Jensen	O19A	Utah,U.S.A.	40.2982N	109.1236W	1649	From 2007-08-20
Miners Mountain	MMU	Utah,U.S.A.	38.1985N	111.2940W	2387	From 1980-10-01
Minervino Murge	MRVN	Italy	41.0609N	16.1958E	610	From 2007-04-24
Mines Road	CMNM	California,U.S.A.	37.6275N	121.7080W	245	From 1979-11-29
Mines Road	MNR	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mines Road	CL2	California,U.S.A.	37.6275N	121.7080W	245	From 1979-11-29
Mines Road	CB9	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mines Road	CMRM	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mineville/Witherbee	MIV	New York,U.S.A.	44.0747N	73.5340W	317	From 1985-06-01
Mingacevir	MGC	Azerbaijan	40.7700N	47.0600E	30	From 1968-01-01
Mingechevir, Azerbaijan	MNGR	Azerbaijan	40.7730N	47.0850E	100	From 2010-01-14
Mingjian	WNT	Taiwan region	23.8780N	120.6840E	110	
Minicoy	MNCY	Laccadive Islands,India	8.2667N	73.0333E	0	
Minicoy	MNCI	Laccadive Islands,India	8.3000N	73.1333E		
Minitrack	MIK	Alaska,U.S.A.	64.8723N	147.8280W	160	From 1970-05-01 to 1975-03-31
Mink Peak	MKMT	Montana,U.S.A.	47.1032N	115.1138W	2088	
Minneapolis	MNM	Minnesota,U.S.A.	44.9740N	93.2381W	204	From 1974-12-01 to 1976-12-31
Minneapolis	MNN	Minnesota,U.S.A.	44.9144N	93.1900W	217	From 1964-01-01 to 1967-12-31
Minneapolis	MFM	Minnesota,U.S.A.	44.9141N	93.1930W	226	
Minoodasht	IMIN	Iran	37.1422N	55.2336E	180	From 2000-08-01
Minoodasht	IMND	Iran	37.2575N	55.4069E	180	From 1991-08-01
Minshiung	CHN2	Taiwan region	23.5320N	120.4750E	45	
Minsk	MNK	Belarus	54.5000N	27.8333E	198	
Minsk	MICGM	Belarus	54.5000N	27.8800E	196	From 1963-01-03
Miomork	IMID	Iceland	63.6580N	19.8860W	132	From 1989-12-21
Miracle	EMIR	Spain	41.9144N	1.5258E	841	
Miradouro	MIRA	Azores,Portugal	37.7855N	25.2787W	702	From 1999-04-27
Miraflores	MRF	Peru	12.1316S	77.0249W		
Miramar	MIRN	Nicaragua	12.4400N	86.7117W	280	
Miramichi	MINB	New Brunswick,Canada	46.9700N	66.5300W	0	From 1982-06-01
Miranda	MIDA	Italy	41.6419N	14.2540E	950	From 2004-07-07
Mirandola	SGIA	Italy	44.8592N	11.0358E	20	
Mirnyy	MIR	Queen Mary Land	66.5514S	93.0167E	34	
Mirrayikh	MYKS	Saudi Arabia	21.5545N	39.3323E		
Mirror Lake Plateau	YMP	Wyoming,U.S.A.	44.7402N	110.1560W	2774	
MIRYANG	KSMIY	South Korea	35.4864N	128.7412E	13	From 2000-03-04
Misaki	MSK	Kanagawa,Japan	35.1500N	139.6170E		
Misakubo	MSKJ	Shizuoka,Japan	35.1934N	137.9390E	754	From 1979-04-01
Misere	A54	Quebec,Canada	47.4567N	70.4125W	381	From 1977-08-30
Misericordia	VMS	Luzon,Philippines	13.2500N	123.7550E		
Mishima	MIS	Shizuoka,Japan	35.1117N	138.9300E	22	
Mishlifen	MIF	Morocco	33.4090N	5.2290W	2070	
Misoa	MISV	Venezuela	9.9730N	70.9256W	768	
Misono	MSN	Hidaka,Japan	42.4232N	142.5414E	100	From 1976-07-01
Misrath	LMSR	Libya	32.3125N	15.0083E	114	
Mission Creek	MSMT	Montana,U.S.A.	45.6305N	110.3537W	1926	
Mission Ridge	H28A	South Dakota,U.S.A.	44.6751N	101.0206W	642	From 2009-06-12
Mission San Jose	MSJ	California,U.S.A.	37.5208N	121.8710W	498	From 1972-07-01
Mission San Jose	CMJM	California,U.S.A.	37.5208N	121.8710W	498	From 1972-07-01
Missoula	MSO	Montana,U.S.A.	46.8292N	113.9410W	1264	From 1973-11-01
Miston	MIST	Tennessee,U.S.A.	36.1707N	89.5023W	80	
Mistretta	ME01	Italy	37.9329N	14.3611E	944	From 2007-10-18 to 2009-02-03

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mitaka	MTK	Tokyo,Japan	35.6667N	139.5000E	57	
Mitchell	MC-SD	South Dakota,U.S.A.	43.6544N	97.9194W	366	From 1962-05-09 to 1962-06-28
Mitchell	MH-NB	Nebraska,U.S.A.	41.8889N	103.8917W	1311	From 1962-10-15 to 1962-10-27
Mitchell	MC-	South Dakota,U.S.A.	43.6544N	97.9194W	366	From 1962-05-09 to 1962-06-28
Mitchell	MH-	Nebraska,U.S.A.	41.8889N	103.8917W	1311	From 1962-10-15 to 1962-10-27
Mitchell Field	MFA	Alaska,U.S.A.	51.9350N	176.5920W		From 1949-07-01 to 1952-12-31
Mitchell Peak	HELL	California,U.S.A.	36.6801N	119.0228W	1140	From 2005-02-11 to 2007-10-14
Mito	MIT	Ibaraki,Japan	36.3783N	140.4720E	29	
Mitogawa	MTGE	Wakayama,Japan	33.5539N	135.6874E	60	
Mitoyo	MITH	Iburi,Japan	42.5728N	140.7804E	325	
Mitsuishi	MUJ	Hidaka,Japan	42.2831N	142.5856E	60	
Mitsune	JHJ2	Bonin Islands,Japan	33.1117N	139.8167E	70	
Mitta Mitta	MITM	Victoria,Australia	36.7317S	147.6587E	470	
Mi Wuk Village	MMWM	California,U.S.A.	38.0638N	120.1810W	1411	From 1976-07-12
Mix Canyon Road	MIX	California,U.S.A.	38.4113N	122.0570W	177	From 1971-06-12
Mix Canyon Road	NMXM	California,U.S.A.	38.4113N	122.0570W	177	From 1971-06-12
Miyake jima	MKJ	Bonin Islands,Japan	36.1100N	139.5283E	170	From 1972-02-01
Miyakejima3	JMY	Bonin Islands,Japan	34.0715N	139.5127E	470	
Miyako	MKO	Iwate,Japan	39.5900N	141.9820E	125	From 1968-09-01
Miyako	MIY	Iwate,Japan	39.6450N	141.9680E	46	
Miyako jima 2	JMJ	Ryukyu Islands,Japan	24.8147N	125.2935E	43	
Miyakonagasawa	MIYJ	Iwate,Japan	39.5767N	141.8197E	200	From 1990-04-23
Miyako zima	MYK	Ryukyu Islands,Japan	24.7917N	125.2783E	41	
Miyama	JGM	Gifu,Japan	35.6993N	136.7182E	495	
Miyazaki	MYZ	Miyazaki,Japan	31.9200N	131.4233E	7	
Miyazaki 2	MYZ2	Miyazaki,Japan	31.8967N	131.4120E	12	
Miyazu	MYD	Kyoto,Japan	35.5333N	135.2000E		
Mizel	MZLS	Saudi Arabia	24.0275N	45.2071E	880	
Mizumiiro	MZI	Shizuoka,Japan	35.0440N	138.2936E	400	
Mizusawa	MIW	Iwate,Japan	39.1343N	141.1360E	63	From 1902-01-01
Mizusawa	MIZ	Iwate,Japan	39.1343N	141.1360E	63	From 1902-01-01
M & M Farms, Shelby	B16A	Montana,U.S.A.	48.4128N	111.7073W	1038	From 2007-09-26 to 2009-08-12
Moa	MOAC	Cuba	20.6600N	74.9600W		
Moab	MBUT	Utah,U.S.A.	38.5334N	109.5099W	1376	From 2006-07-27
Moab Khotsong	MOAB	Transvaal,South Africa	26.9870S	26.7990E	1370	From 2008-05-13
Moapa	T12A	Nevada,U.S.A.	36.7256N	114.7147W	538	From 2007-01-24 to 2008-10-11
Moar Alm	RMOA	Bayern,Germany	47.7617N	12.8645E	815	From 2001-08-24
Moawhango	MOVZ	North Island,New Zealand	39.4083S	175.7525E	850	From 2004-06-01
Moca	MCAB	Puerto Rico	18.4100N	67.0800W	303	
Moca	MFP	Fernando Poo,Equatorial Guinea	3.3418N	8.6609E	1338	From 1963-10-01
Moca	SRO2	Slovakia	47.7627N	18.3940E	109	From 2004-09-25
Moca	MOCA	Puerto Rico	18.4143N	67.0775W		
Moca	MCP	Puerto Rico	18.4190N	67.1107W	250	From 1975-11-14 to 1999-08-25
Moc Chau	MCVV	Vietnam	20.8000N	104.6500E	800	From 2005-03-15
Mochara	MOCB	Bolivia	21.2505S	65.6380W	3580	From 1993-06-01
Mocoron	MOCN	Nicaragua	12.7817N	87.0400W		
Model	MOTN	Tennessee,U.S.A.	36.6180N	87.9867W	177	
Modelwitz	MODW	Thuringen,Germany	50.9426N	12.4682E	240	From 2009-09-01
Modena	MODE	Italy	44.6297N	10.9492E	41	From 2007-10-18
Modica	HMDC	Sicily,Italy	36.9580N	14.7820E	540	From 1994-05-01
Modoc	MOD	Oregon,U.S.A.	41.9024N	120.3029W	1554	
Modra-Piesok	MODS	Slovakia	48.3736N	17.2774E	520	
Moessingen	MSG	Baden-Wurttemberg,Germany	48.3992N	9.0353E	475	From 1971-01-01
Moffat	R23A	Colorado,U.S.A.	38.1907N	105.8264W	2547	From 2008-11-05
Moffit Pass	N17A	Utah,U.S.A.	40.9425N	110.8335W	2500	From 2007-07-11 to 2009-04-22
Moffitt Ranch	GMOM	California,U.S.A.	38.7102N	123.1430W	802	From 1975-05-07
Mogadiscio	MOG	Somalia	2.0333N	45.3500E		
Moghan	IMOG	Iran	36.1082N	59.3393E	2577	From 1999-07-01
Moghavemat	SMGT	Iran	30.7811N	48.2626E	4	From 2010-08-11
MOGNA	AMOG	San Juan	30.9389S	68.4931W	895	From 1996-09-25
Mogollon	ML-	New Mexico,U.S.A.	33.4147N	108.8364W	1646	From 1961-12-15 to 1962-02-16
Mogollon	ML-NM	New Mexico,U.S.A.	33.4147N	108.8364W	1646	From 1961-12-15 to 1962-02-16
Mogosoaia	MOGR	Romania	44.5649N	25.9417E	144	From 2003-10-26
Mogosoaia	PMGR	Romania	44.5275N	25.9939E	141	From 2006-11-23
Mogote Corralitos	AMLC	San Juan,Argentina	31.3089S	67.9250W	3241	
Mohaka	MOH	North Island,New Zealand	39.1325S	177.1478E	245	From 1987-03-19 to 1999-08-25
Mohawk Valley, Roll	113A	Arizona,U.S.A.	32.7683N	113.7667W	118	From 2007-05-08 to 2010-05-28
Mohican School	MOSO	Ohio,U.S.A.	40.6115N	82.3827W	370	
Mohonk Preserve	NPNY	New York,U.S.A.	41.7546N	74.1435W	216	From 2007-09-07
Moikau	MOW	North Island,New Zealand	41.4217S	175.2520E	430	
Moikau Station	MSWZ	North Island,New Zealand	41.4158S	175.2495E	410	From 2003-08-28
Moi Rana	MOR6	Norway	66.2370N	14.7670E	650	From 1986-02-01 to 1989-12-12
Moi Rana	MOR7	Norway	66.2850N	14.7350E	435	From 1990-05-23 to 1993-08-31
Moi Rana	MOR8	Norway	66.1713N	14.4411E	445	From 1993-08-01
Moi Rana	MOR1	Norway	66.2374N	14.7721E	650	From 1989-01-01 to 1989-12-12
Moi Rana	MOR4	Norway	66.2367N	14.7668E		From 1989-01-01 to 1989-12-12
Moi Rana	MOR3	Norway	66.2357N	14.7724E		
Moi Rana	MOR5	Norway	66.2377N	14.7664E		
Moi Rana	MOR2	Norway	66.2366N	14.7741E		From 1989-01-01 to 1989-12-12
Mojave River Dam	MRD	California,U.S.A.	34.6757N	117.2410W	969	
Mokapu	MOK	Hawaii,U.S.A.	21.4565N	157.7370W	90	From 1965-04-01 to 1999-08-25
Mokollar	IMKO	Iceland	64.9778N	16.3391W	660	From 2005-11-01
Mokpo	KSMOP	South Korea	34.8083N	126.3766E	37	From 2000-02-11
Mokpo	KSMOK	South Korea	34.7656N	126.7378E	140	From 2008-01-01
Mokuaweoweo	MWH	Hawaii,U.S.A.	19.4880N	155.6000W	1251	
Mol	BMOL	Belgium	51.2144N	5.0861E	-198	From 2008-06-03
Molcaxac	MOPM	Puebla,Mexico	18.7333N	97.9167W	1840	
Molde	MOL	Norway	62.5700N	7.5480E	98	From 1987-02-01
Moldovita	MDVR	Romania	44.7815N	21.7128E	720	From 2010-11-09
Molesworth	MLWM	Victoria,Australia	37.1368S	145.5105E	280	
Moliterno	MOLE	Italy	40.2514N	15.8296E	1130	
Molkenrain	MOF	Alsace,France	47.8517N	7.1332E	1085	From 1982-01-01
Mollejon	MOLL	Venezuela	7.7350N	71.6289W	900	From 1984-01-01
Molln	MOA	Austria	47.8495N	14.2659E	572	From 1996-01-01
Moma	MOMR	Sakha,Russia	66.4667N	143.2167E	192	
Mombacho	MOBN	Nicaragua	11.8317N	85.9777W	1000	
Mombaroccio (PU)	AD03	Italy	43.7910N	12.8474E	377	From 2010-03-29
Momias	MOMI	Spain	36.3301N	5.7200W	370	
Momote	MOM	Admiralty Islands,Papua New Guinea	2.0417S	147.4020E	10	From 1969-10-01
Momotombo	MOMN	Nicaragua	12.4083N	86.5400W	500	
Momotombo	MOMJ	Nicaragua	12.4083N	86.5400W	500	
Monaco	MON	Monaco	43.7306N	7.4250E	52	
Mona Island, PR	IMPR	Puerto Rico	18.0770N	67.9311W	9	From 2009-07-15
Monand	IMON	Iran	33.1922N	59.6667E	2150	From 2005-12-01
Monarch Peak	PMPM	California,U.S.A.	36.2152N	120.7950W	784	From 1970-08-14
Monarch Peak	MOP	California,U.S.A.	36.2152N	120.7950W	784	From 1970-08-14
Monasavu	MSV	Fiji	17.7578S	178.0544E	626	From 1983-02-01
Monastery St. Joachim Osogovski	KPJ	Former Yugoslav Rep. of Macedonia	42.2092N	22.3617E	700	From 1995-01-01
Monastry St. Andrei	MSAB	Romania	44.0910N	27.8256E	106	From 2000-10-24
Moncalieri	MNC	Italy	45.0000N	7.7000E	238	
Moncks Corner	MKC	South Carolina,U.S.A.	33.1900N	80.0400W	25	From 1973-03-13 to 1973-10-01
Moncorvo	MVO	Portugal	41.1644N	7.0289W	860	From 1980-08-01
Moncucco Torinese	MONC	Italy	45.0739N	7.9271E	480	From 2005-01-13
Mondaino (RN)	AD02	Italy	43.8471N	12.6687E	355	From 2010-03-30
Mondonedo	EMON	Spain	43.4361N	7.3298W	615	From 1988-07-01
Mondragone	MODR	Italy	41.1459N	13.8779E	345	From 2007-06-19
Mondy	MOY	Buryatiya,Russia	51.6667N	100.9931E	1303	
Monesi	MONE	Italy	44.0795N	7.7550E	1320	From 1991-06-01 to 2009-09-30
Monestir Poblet	POBL	Spain	41.3793N	1.0847E	515	
Monetta	MTT	South Carolina,U.S.A.	33.7503N	81.6400W	182	From 1976-08-09
Mongiuffi-Melia	MMME	Sicily,Italy	37.9350N	15.2540E	905	From 1993-12-01
Moni Apezanon	APEZ	Crete,Greece	34.9777N	24.8859E	435	
Monida	MOMT	Montana,U.S.A.	44.5933N	112.3940W	2220	
Monjas	MJAS	Ecuador	0.2520S	78.4980W	2800	
Monmouth	MONM	Wales,United Kingdom	51.8396N	2.8054W	145	From 2009-07-14
Monmouth DOGAMI SMO	MONO	Oregon,U.S.A.	44.8537N	123.2414W	60	From 2008-02-12
Monnetier-Mornex	OG02	Rhone-Alpes,France	46.1542N	6.2208E	620	From 1989-11-10
Monobe	JMN	Kochi,Japan	33.7282N	133.8790E	550	
Mono Craters	MCRR	California,U.S.A.	37.8872N	118.9937W	2268	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mono Lake	ML2	California,U.S.A.	38.0806N	119.2442W	2987	From 1966-08-24 to 1966-09-09
Mono Lake	ML1CL	California,U.S.A.	37.8806N	118.8494W	2512	From 1966-08-22 to 1966-08-26
Mono Lake	ML1	California,U.S.A.	37.8806N	118.8494W	2512	From 1966-08-22 to 1966-08-26
Mono Lake	ML2CL	California,U.S.A.	38.0806N	119.2442W	2987	From 1966-08-24 to 1966-09-09
Mono Lake	ML4	California,U.S.A.	38.3058N	119.5536W	2195	From 1966-08-23 to 1966-09-09
Mono Lake	ML4CL	California,U.S.A.	38.3058N	119.5536W	2195	From 1966-08-23 to 1966-09-09
Mono Lake	ML3	California,U.S.A.	37.5494N	118.8153W	2512	From 1966-08-25 to 1966-09-09
Mono Lake	ML3CL	California,U.S.A.	37.5494N	118.8153W	2512	From 1966-08-25 to 1966-09-09
Monomi-yama	K08	Iwate,Japan	39.3128N	141.5244E	488	
Mono Valley	MONR	California,U.S.A.	38.0608N	118.7760W	2179	From 1974-07-01 to 2002-10-10
Monowai	MNW	South Island,New Zealand	45.7803S	167.6190E	155	From 1935-07-01 to 1978-11-26
Monroe Substation	MBPA	Washington,U.S.A.	47.8985N	121.8889W	186	
Monserrat	MRB	Spain	41.5950N	1.8372E	860	
Monsted	NE02	Denmark	56.4590N	9.1700E	60	From 1983-02-01 to 2001-07-28
Monsted U'grnd	MUD	Denmark	56.4550N	9.1733E	12	From 1982-03-01
Mont	MONL	Aquitaine,France	43.4328N	0.6506W	100	
Montachique	MTH	Portugal	38.8967N	9.1925W	409	
Montagna Grande	MTGR	Sicily,Italy	37.8934N	12.7593E	751	From 2000-07-01
Montagne du Rey	REYF	Aquitaine,France	43.0697N	0.3925W	1000	From 1996-12-12
Montagnes des Peres	MPGF	French Guiana	5.1100N	52.6440W	147	
Montagne Vauclin	MVM	Martinique	14.5545N	60.8955W	361	From 1975-01-01
Montagny	OG11	Rhone-Alpes,France	45.4527N	6.6095E	1120	From 1993-07-07
Montague Island	MTG	Alaska,U.S.A.	59.9118N	147.4970W	31	From 1974-10-03 to 1985-07-31
Montague Island	MTU	Alaska,U.S.A.	59.9878N	147.6520W	434	
Montalto (Apecchio) - PU	AT03	Italy	43.5359N	12.3860E	789	From 2010-04-18
Montana Rajada	CRAJ	Canary Islands,Spain	28.2649N	16.5969W	2474	From 2004-06-11
Montanita	PT21	Peru	6.8490S	79.1360W	1200	
Montargil	PMTG	Portugal	39.0690N	8.2253W	190	From 2008-09-25
Montasola	MNS	Italy	42.3847N	12.6808E	600	From 1978-01-01
Montasola	MA1	Italy	42.3846N	12.6800E	600	From 1978-01-01
Montbardon	MBDF	Provence-Cote d'Azur,France	44.7269N	6.7714E	1520	From 1996-04-03
Mont Bernier	MBV	Vanuatu	17.6587S	168.3100E		
Mont Chateau	MCWV	West Virginia,U.S.A.	39.6581N	79.8456W	280	From 1991-03-28
Montclair	MONJ	New Jersey,U.S.A.	40.8083N	74.2308W	98	
Montclair St. U.	MSNJ	New Jersey,U.S.A.	40.8841N	74.1815W	132	From 2000-11-02
Mont de Guillon, France	MDGS	Franche Comte,France	47.3146N	6.3929E	400	From 2004-10-20 to 2008-12-09
Mont-d'or	MLG	Guadeloupe	16.0613N	61.7103W	642	
Mont Dore	PLUM	New Caledonia	22.2730S	166.6400E	9	From 2007-01-01
Mont Dzumac	DZM	New Caledonia	22.0710S	166.4440E	905	From 1985-01-01
Monte Acero	MAB1	Italy	41.2589N	14.4958E	723	
Monteagle	MEA	New South Wales,Australia	34.2083S	148.3930E		From 1966-08-14 to 1972-08-09
Monte Arcimis	EMAR	Sicily,Italy	37.6883N	15.0623E	1250	From 1994-10-01
Monte Arcimis	EARC	Sicily,Italy	37.6938N	15.0643E	1267	From 2002-10-01
Monte Argentario	MAO	Italy	42.4167N	11.1522E	326	From 1983-08-01
Monte Argentario	MAON	Italy	42.4283N	11.1309E	237	From 2003-07-25
Monte Baldo	BALI	Italy	45.7806N	10.8625E	1751	From 1981-06-15
Monte Baldo	BALD	Italy	45.6831N	10.8181E	1911	From 2007-11-08
Montebello Ionico	MMBI	Italy	38.0330N	15.7630E	950	From 1993-12-01
Montebello Ridge	MTB	California,U.S.A.	37.2907N	122.0910W	347	From 1975-02-07 to 1976-12-23
Montebelluna (TV), Italy	MBEL	Italy	45.7993N	12.0686E	271	From 2010-06-09
Montecano	MONV	Venezuela	11.9550N	69.9710W	170	From 2002-04-17
Monte Cassino	MCI	Italy	41.4833N	13.8167E	527	
Monte Cedrone	ATMC	Italy	43.4468N	12.1928E	739	From 2009-01-29
Montecelio	MTCE	Italy	42.0228N	12.7422E	388	From 2002-12-05
Monte Cimone	MME	Italy	44.1936N	10.7000E	2160	
Monte Civitella	MCIV	Italy	42.7786N	11.6765E	790	From 2010-05-17
Monte Cocuzzo	CZI	Italy	39.2183N	16.1336E	1700	From 1982-01-01
Montecristo	MTO	El Salvador	14.3897N	89.4050W	1380	
Montecristo 2	MTO2	El Salvador	14.4000N	89.3617W	1870	
Monte Cristo Peak	MCU	Utah,U.S.A.	41.4617N	111.5070W	2664	From 1975-12-01
Monte Cuccoli	MOCL	Italy	44.0025N	11.1086E	639	From 2008-11-19
Monte dei Santi	ESAN	Sicily,Italy	37.6945N	14.9677E	1690	From 1994-10-01
Monte Escuro	MTSA	Azores,Portugal	37.7810N	25.4384W	826	
Monte Escuro	MESC	Azores,Portugal	37.7931N	25.4456W	790	From 1990-01-19
Monte Figo	FIG	Portugal	37.1006N	7.8283W	310	From 1984-03-30 to 2009-05-30
Monte Figo	PFMF	Portugal	37.1005N	7.8235W	398	From 1996-01-01
Monte Finestrelle	MFNL	Sicily,Italy	37.7908N	12.9224E	677	From 2000-07-01
Monte Foce - Gubbio	ATFO	Italy	43.3666N	12.5715E	960	From 2009-08-10
Monte Fontane	EMFO	Sicily,Italy	37.7352N	15.0835E	1134	From 1994-10-01
Montegabbione	MGAB	Italy	42.9126N	12.1121E	547	From 2008-04-02
Montego Bay	MBJ	Jamaica	18.4027N	77.8627W	576	
Monte Grosso	EMGR	Sicily,Italy	37.6703N	15.0073E	1350	From 1994-10-01
Montehunto	PMJU	Portugal	39.1750N	9.0488W	660	
Monte Intraleo	EMIL	Sicily,Italy	37.7213N	14.9165E	1560	From 1994-10-01
Montelago di Sassoferrato	SSFR	Italy	43.4363N	12.7822E	750	From 2010-07-23
Monte Lauro	MEU	Sicily,Italy	37.1011N	14.9300E	985	
Monte Llano	DR4	Dominican Republic	19.4672N	70.3600W		
Monte Llano	DR04	Dominican Republic	19.4672N	70.3600W	327	
Montello	MTLO	Italy	45.8133N	12.0967E	350	From 1988-01-01
Montello	M13A	Nevada,U.S.A.	41.3602N	114.1655W	1514	From 2006-05-04 to 2008-08-19
Monte Magaggiaro	MMGO	Sicily,Italy	37.6619N	12.9767E	397	From 2000-07-01
Monte Massico	MSC	Italy	41.1914N	13.9714E	109	
Montemor	MOE	Portugal	38.5228N	8.3506W	263	From 1983-02-19
Monte Nero	EN6*	Sicily,Italy	37.8058N	15.0389E		From 1966-04-01 to 1966-05-01
Monte Nero	EMNR	Sicily,Italy	37.8162N	15.0260E	1745	From 2003-09-01
Monte Parmentelli	EMPL	Sicily,Italy	37.6790N	14.9698E	1434	From 1994-10-01
Monte-Pele	MPM	Martinique	14.8120N	61.1680W	1190	
Monte Pellegrino	MPG	Sicily,Italy	38.1617N	13.3600E	600	From 1994-03-01
Monte Pirata	MTPB	Puerto Rico	18.0900N	65.5500W	175	
Monte Pirata	MTP	Puerto Rico	18.0972N	65.5525W	120	From 1975-04-01
Monte Pizzetto	PZZT	Italy	44.1313N	10.8617E	1236	From 2005-08-09
Monte Prat	MPRI	Italy	46.2417N	12.9883E	762	From 1977-06-02
Monterenzio	MTRZ	Italy	44.3763N	11.4663E	594	From 2007-12-12
Monterey	MTR	California,U.S.A.	36.6005N	121.9180W	192	From 1970-11-27
Monterey	HMOM	California,U.S.A.	36.6005N	121.9180W	192	From 1970-11-27
Monterey Bay OB	MOBB	California,U.S.A.	36.6906N	122.1660W	-1036	
Monte Rocchetta	MRB1	Italy	41.1264N	14.9728E	625	
Monte Rojo	SDD10	Dominican Republic	19.2105N	69.2698W	385	
Monte Rosa	MR6*	Sicily,Italy	38.4792N	14.9578E		From 1966-04-01 to 1966-05-01
Monte Rota	SEST	Italy	46.7493N	12.2165E	1729	From 2003-11-12
Monte Ruvolo	EMRV	Sicily,Italy	37.7463N	14.8835E	1205	From 1994-10-01
Monte S. Angelo	MSAG	Italy	41.7120N	15.9096E	890	From 2006-05-25
Montesano sulla Marcellana	MTSN	Italy	40.2663N	15.7515E	1056	From 2006-08-07
Monte Sant'Angelo	FGMS	Italy	41.7079N	15.9534E	848	
Monte Sant'Angelo (FG)	MS1	Italy	41.7050N	15.9420E	830	From 1982-04-01
Montesarchio	MSB1	Italy	41.0897N	14.6594E	610	
Monte Scavo	ESVO	Sicily,Italy	37.7728N	14.9468E	1680	From 1994-10-01
Monte Sirino - Moliterno	SIRI	Italy	40.1821N	15.8675E	1063	From 2006-08-07
Monte Soro	MNO	Sicily,Italy	37.9331N	14.6947E	1830	
Monte Soro	ESRO	Sicily,Italy	37.9308N	14.6940E	1847	From 1994-10-01
Monte Spagnolo	EMSG	Sicily,Italy	37.8208N	14.9498E	1435	From 1994-10-01
Monte Urbino	MURB	Italy	43.2630N	12.5246E	845	From 2004-01-21
Monte Vetore	EMVT	Sicily,Italy	37.6910N	14.9835E	1855	From 1994-10-01 to 2005-07-13
Monte Vettore	MVT	Sicily,Italy	37.6892N	14.9861E	1660	
Monteview	I15A	Idaho,U.S.A.	43.9997N	112.4850W	1470	From 2007-08-14 to 2009-06-05
Monte Vulture - Melfi	VULT	Italy	40.9549N	15.6163E	1101	From 2005-08-12
Monteynard	MNY	Rhone-Alpes,France	44.9606N	5.6911E	422	From 1963-09-01
Montezuma	S30A	Kansas,U.S.A.	37.6402N	100.4640W	853	From 2009-04-15
Montezuma	MTZ	Antofagasta,Chile	22.6333S	68.8333W	1850	From 1933-01-01 to 1999-08-25
Montezuma Peak	MZP	Nevada,U.S.A.	37.7007N	117.3834W	2395	From 1979-07-13
Montgomery	MGVT	Vermont,U.S.A.	44.9135N	72.6277W	262	From 1977-08-01 to 1981-08-25
Monticello	MCEL	Italy	40.3249N	15.8019E	960	From 2006-08-07
Monticello Reservoir Site 1	MR01	South Carolina,U.S.A.	34.3318N	81.2957W	131	
Monticello Reservoir Site 10	MR10	South Carolina,U.S.A.	34.3363N	81.3375W	137	
Monticello Reservoir Site 2	MR02	South Carolina,U.S.A.	34.1929N	81.2302W	84	
Monticello Reservoir Site 3	MR03	South Carolina,U.S.A.	34.3514N	81.4569W	125	
Monticello Reservoir Site 4	MR04	South Carolina,U.S.A.	34.4287N	81.2166W	145	
Monticello Reservoir Site 5	MR05	South Carolina,U.S.A.	34.2675N	81.3342W	103	
Monticello Reservoir Site 6	MR06	South Carolina,U.S.A.	34.3517N	81.1962W	137	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Monticello Reservoir Site 7	MR07	South Carolina,U.S.A.	34.3720N	81.3250W	134	
Monticello Reservoir Site 8	MR08	South Carolina,U.S.A.	34.4088N	81.4092W	112	
Monticello Reservoir Site 9	MR09	South Carolina,U.S.A.	34.3008N	81.4030W	122	
Monti di Nese	MDI	Italy	45.7772N	9.7114E	1025	
Montolieu	MTLF	Languedoc-Rousillon,France	43.3411N	2.2175E	365	From 1996-04-03
Mont Orford	MOQ	Quebec,Canada	45.3120N	72.2541W	841	From 1991-05-03
Montottone (Fermo)	T0401	Italy	43.0621N	13.5957E	343	
Montouss¬	FMON	Midi-Pyrenees,France	43.0634N	0.4164E	647	From 2008-09-01
Montpelier	MPVT	Vermont,U.S.A.	44.2783N	72.6067W		From 1977-06-27 to 1981-08-25
Montreal	MNT	Quebec,Canada	45.5025N	73.6231W	112	From 1954-09-01
Montreal, Quebec	MNTQ	Quebec	45.5003N	73.6228W	112	From 2010-07-26
Mont Rhoder	AMRH	Algeria	35.8572N	4.9388E	1530	
Montrose	MRC	Colorado,U.S.A.	38.4706N	107.8600W	1790	From 1970-01-01 to 1972-11-30
Montrose	MS-PA	Pennsylvania,U.S.A.	41.7611N	75.7975W	457	From 1962-07-24 to 1962-07-27
Montrose	MS-	Pennsylvania,U.S.A.	41.7611N	75.7975W	457	From 1962-07-24 to 1962-07-27
Mont Sano	MSAL	Alabama,U.S.A.	34.8467N	86.6735W	260	
Monts Chateau	KCH	Kerguelen Islands	49.2440S	70.1450E		From 1974-02-01
Montserrat	MWI	Montserrat	16.7130N	62.2220W	46	From 1966-03-20 to 1999-08-25
Montserrat Volcano Observatory	MVOV	Montserrat	16.7465N	62.2283W	80	
Mont Tournerait	TOUF	Provence-Cote d'Azur,France	44.0137N	7.2483E	1830	
Mont Tremblant	TRQ	Quebec,Canada	46.2222N	74.5556W	853	From 1981-03-16
Monturaqui	MTQ	Antofagasta,Chile	24.3400S	68.4400W	3000	
Mont Vial	MVIF	Provence-Cote d'Azur,France	43.8963N	7.1525E	1480	
Mont Vial	MUIF	Provence-Cote d'Azur,France	43.8963N	7.1525E	1480	
Monument Peak	MONP	Arizona,U.S.A.	32.8900N	116.4200W	1920	From 2004-04-15
Moodus	MD2	Connecticut,U.S.A.	41.5314N	72.4337W	61	
Moodus	MD3	Connecticut,U.S.A.	41.5066N	72.4715W	152	
Moodus	MD4	Connecticut,U.S.A.	41.5023N	72.5121W	106	
Moodus	MD1	Connecticut,U.S.A.	41.5529N	72.4667W	113	
Moodus	MD5	Connecticut,U.S.A.	41.4551N	72.4950W	101	
Moody	335A	Texas,U.S.A.	31.2819N	97.4271W	217	From 2009-11-15
Moondarra Dam	MDRM	Victoria,Australia	38.0990S	146.3790E	250	
Moonee Ponds	MPDM	Victoria,Australia	37.7689S	144.9064E	30	
Moon Mountain	MOON	Oregon,U.S.A.	44.0515N	121.6695W	224	From 2002-08-01
Moorlands	MOO	Tasmania,Australia	42.4417S	147.1900E	325	From 1960-01-01
Moosalm	MOTA	Austria	47.3448N	11.1037E	1575	From 1991-02-09
Moose Creek	MCID	Idaho,U.S.A.	44.1903N	111.1827W	2149	
Moose Creek	MSE	Alaska,U.S.A.	61.8383N	148.9670W	1319	From 1984-09-11
Moose Creek	YUK3	Yukon Territory,Canada	61.7755N	140.4595W	2100	From 2010-08-25
Moose Creek Bluff	MCB	Alaska,U.S.A.	64.7225N	147.2250W	200	From 1968-09-01 to 1971-09-30
Moose Pass	MPA	Alaska,U.S.A.	60.4892N	149.3610W	150	From 1973-08-05
Moose Ponds	MOOW	Wyoming,U.S.A.	43.7486N	110.7450W	2128	From 1986-01-01
Moosonee Ontario	MSNO	Ontario,Canada	51.2913N	80.6113W	4	From 2005-07-23
Mopani	MOPA	Transvaal,South Africa	23.5173S	31.3977E	362	From 2004-03-26
Moragy	PKSM	Hungary	46.2119N	18.6413E	170	
Moravsky	KRUC	Czech Republic	49.0619N	16.3952E	341	
Moravsky Beroun	MORC	Czech Republic	49.7768N	17.5425E	743	From 1995-04-01
Morawa	MRWA	Western Australia,Australia	29.2180S	115.9960E	300	From 1984-06-21
Morawa	MORW	Western Australia,Australia	29.0679S	116.0403E	296	From 1999-09-27
Morecambe B102	LBH	England,United Kingdom	54.0325N	2.9058W	-85	From 1990-01-01
Morelia	MOIG	Michoacan,Mexico	19.6779N	101.1889W	2000	
Morelia	MRX	Michoacan,Mexico	19.7045N	101.1917W	1560	From 1988-01-01
Moreno Valley High School, Angel Fire	U24A	New Mexico,U.S.A.	36.4093N	105.2784W	2573	From 2008-05-18
Moresby Island	MOBC	British Columbia,Canada	53.1448N	131.9687W	675	
Morganfield	MOKY	Kentucky,U.S.A.	37.6470N	87.9010W	204	From 1989-01-01
Morgan Territory	MTC	California,U.S.A.	37.8110N	121.8037W	745	From 1969-04-17 to 2008-07-16
Morgan Territory	CMOB	California,U.S.A.	37.8104N	121.8027W	743	
Morgan Territory	CMOM	California,U.S.A.	37.8110N	121.8037W	745	From 1969-04-17 to 2008-07-16
Morgan Territory	LT17	California,U.S.A.	37.8110N	121.8037W	745	From 1969-04-17 to 2008-07-16
Morgantown	MRG	West Virginia,U.S.A.	39.6331N	79.9544W	281	From 1950-10-01
Morge	MRGE	Italy	45.7698N	7.0610E	1660	From 2005-09-08
Mori	MOR	O shima,Japan	42.1033N	140.5717E	19	
Morigerati	MGR	Italy	40.1376N	15.5535E	288	
Morin Heights	MRHQ	Quebec,Canada	45.8870N	74.2127W	422	
Morin Heights	MRNQ	Quebec,Canada	45.8425N	74.2934W	59	
Morioka	MRK	Iwate,Japan	39.6967N	141.1667E	154	
Morioka 2	MRKJ	Iwate,Japan	39.5988N	141.3238E	380	From 1992-02-21
Moriya	MRJ	Ibaraki,Japan	35.9425N	140.0044E	1	
Mormanno	MMN	Italy	39.8901N	15.9905E		
Morne Balai	BAMF	Martinique	14.8157N	61.1483W	670	
Morne-Daniel	MDN	Dominica	15.3185N	61.3923W	99	From 1981-03-16
Morne Jacques	MJM	Martinique	14.7887N	61.0708W	400	
Morne La Croix	CXM	Martinique	14.8113N	61.1685W	1240	
Morne Lapointe	LPMF	Martinique	14.5745N	60.9663W	130	
Morne Lenard	PML	Martinique	14.7810N	61.1838W	370	
Morne Mazeau, Deshaies	GDHS	Guadeloupe,Guadeloupe	16.2727N	61.7651W	618	
Morne Pavillon	PAMF	Martinique	14.6138N	61.0363W	120	
Morne Soldat	MSGF	Guadeloupe	16.0987N	61.7220W	851	
Morne Tabac	SLTA	St Lucia	13.8704N	61.0399W	550	
Morong	MNP	Luzon,Philippines	14.6798N	120.2780E	12	
Morongo Valley	MRVC	California,U.S.A.	34.1558N	116.5020W	1239	From 1978-03-01
Morovis	MOV	Puerto Rico	18.2987N	66.3666W	485	From 1977-02-15 to 1999-08-25
Morphett Vale	MPTV	South Australia,Australia	35.1301S	138.5374E	100	From 2010-05-27
Morrocoy	MORO	Venezuela	10.8722N	68.3161W	920	From 1984-01-01
Morro de la Arena	MACI	Canary Islands,Spain	28.2500N	16.5080W	1590	
Morro Solar	PT01	Peru	12.0150S	77.0317W	250	
Morshin	MRSS	Ukraine	49.1330N	23.8940E	262	
Morshin	MORS	Ukraine	49.1330N	23.8940E	262	
Morton Thiokol	MTUT	Utah,U.S.A.	41.7092N	112.4547W	1373	
Moscow	MOS	Moskovskaya Oblast',Russia	55.7383N	37.6250E	121	
Moseley Ranch, Sierra Blanca	324A	Texas,U.S.A.	31.4425N	105.4828W	1441	From 2008-02-23 to 2010-01-14
Mose, Pekin	C30A	North Dakota,U.S.A.	47.7026N	98.4783W	480	From 2009-08-06
Mosicchio (Amatrice)	RM25	Italy	42.6223N	13.2815E	976	From 2009-06-18 to 2009-07-06
Mosqueruela	EMOS	Spain	40.3639N	0.4721W	1694	
Moss Hill, Ennis	G16A	Montana,U.S.A.	45.2285N	111.8046W	1769	From 2007-09-24 to 2009-06-09
Mostar	MST	Bosnia and Herzegovina	43.3500N	17.8167E	70	
Mosteiros	SET4	Azores,Portugal	37.8747N	25.7988W	402	From 1998-12-01
Mosul	MSL	Iraq	36.4000N	43.1100E	242	From 1981-07-01
Motegi	MGJ	Tochigi,Japan	36.5535N	140.2167E	140	
Motril	EXMO	Spain	36.7270N	3.5360W	55	
Motta San Giovanni	MTTG	Italy	38.0019N	15.6939E	490	
Motutapu	MTAZ	North Island,New Zealand	36.7881S	174.9100E	60	
Motz Farm, Whitney	K26A	Nebraska,U.S.A.	42.7016N	103.1783W	1122	From 2008-11-15
Moucha	MCAD	Djibouti	11.7303N	43.2120E	4	From 1994-01-01
Mouk	IMOK	Iran	29.0461N	52.7146E	2788	From 2002-10-01
Mould Bay	NP-NT	Northwest Territories,Canada	76.2522N	119.3717W	59	
Mould Bay	MBC	Northwest Territories,Canada	76.2417N	119.3600W	15	From 1961-10-18 to 2004-11-10
Moule a Chique	MCLT	St Lucia	13.7096N	60.9412W	220	
Moulis	MLS	Midi-Pyrenees,France	42.9578N	1.0947E	450	
Moumakai	MKAZ	North Island,New Zealand	37.1114S	175.1667E	120	
Mounoet Dainard	MNB	British Columbia,Canada	52.1987N	118.3830W	2271	
Mount Abel	ABL	California,U.S.A.	34.8508N	119.2210W	1981	From 1976-06-01
Mount Adagdak	ADAG	Alaska,U.S.A.	51.9802N	176.6017W	286	
Mount Adams	AMW	North Island,New Zealand	41.3094S	175.7610E	400	From 1991-02-11 to 2003-09-09
Mount Adams--Stagman Ridge	ASR	Washington,U.S.A.	46.1507N	121.5930W	1280	
Mountain Creek	FALL	British Columbia,Canada	53.2780N	132.4601W	391	
Mountain Grove	MGMO	Missouri,U.S.A.	37.1540N	92.2687W	453	
Mountain Home	MO-	Idaho,U.S.A.	43.0719N	116.2656W	792	From 1966-11-17 to 1967-06-26
Mountain Home	MO-ID	Idaho,U.S.A.	43.0719N	116.2656W	792	From 1966-11-17 to 1967-06-26
Mountain Pass	MTPC	Nevada,U.S.A.	35.4848N	115.5533W	1582	
Mountain Pine	MP-AR	Arkansas,U.S.A.	34.6017N	93.1458W	183	From 1961-11-20 to 1963-06-03
Mountain Pine	MP-	Arkansas,U.S.A.	34.6017N	93.1458W	183	From 1961-11-20 to 1963-06-03
Mountain View	MVH	Hawaii,U.S.A.	19.5042N	155.0620W	409	
Mount Airy	MANY	New York,U.S.A.	41.2220N	73.8686W	133	
Mount Amassa	ASI	Israel	31.3300N	35.0950E	850	From 1983-08-01 to 1984-10-31
Mount Arapiles	ARPS	Victoria,Australia	36.7699S	141.8383E	213	From 2000-12-01
Mount Atzmon	ATZ	Israel	32.8216N	35.2697E	510	From 1986-01-01
Mount Bagana	BGA	Bougainville,Papua New Guinea	6.1500S	155.1800E	1000	From 1984-01-01
Mount Baker	MU-WA	Washington,U.S.A.	48.9167N	121.9103W	732	From 1962-09-26 to 1962-10-05

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mount Baker	MBW	Washington,U.S.A.	48.7840N	121.9000W	1676	From 1972-11-08
Mount Baldy Ranger Station	BFSC	California,U.S.A.	34.2388N	117.6585W	1312	From 2001-07-10
Mount Belmont	BEMT	Montana,U.S.A.	46.7483N	112.3300W	2228	
Mount Berech	MBH	Israel	29.7925N	34.9153E	842	From 1986-06-18 to 2007-06-18
Mount Bingar	MBA	New South Wales,Australia	34.1250S	146.2370E		From 1961-01-01 to 1962-12-31
Mount Brisbane	WMBQ	Queensland,Australia	27.1155S	152.5500E	160	From 1977-03-18
Mount Cameroon	MOKC	Cameroon	4.2583N	9.2500E	2040	
Mount Cameroon	MOC	Cameroon	4.2869N	9.2169E	2475	From 1985-11-23 to 1990-12-31
Mount Carmel	CRI	Israel	32.6820N	35.0450E	450	From 1983-07-01 to 1999-08-25
Mount Cartier	CARB	British Columbia,Canada	50.9000N	118.0530W	2294	
Mount Castle	MCAS	Papua New Guinea	6.3719S	143.4833E	1950	From 1996-08-31
Mount Claude	CLAW	Tasmania,Australia	41.4920S	146.1830E	900	
Mount Constitution	MCW	Washington,U.S.A.	48.6797N	122.8320W	693	From 1972-11-08
Mount Cooper	MCPQ	Queensland,Australia	20.5500S	146.8065E	300	From 1984-02-23
Mount Cotopaxi	CPXM	New South Wales,Australia	34.4765S	150.6248E	622	
Mount Darwin	MTD	Zimbabwe	16.7800S	31.5833E	967	From 1971-06-01
Mount Davis	MDA	California,U.S.A.	33.9130N	116.9990W	845	
Mount Denham	MTDJ	Jamaica	18.2261N	77.5345W	925	
Mount Diablo	MDC	California,U.S.A.	37.8817N	121.9140W	1173	From 1967-05-27 to 1974-06-01
Mount Ellis	MEMT	Montana,U.S.A.	45.6040N	110.9697W	1951	From 1987-10-15
Mount Erie	ERW	Washington,U.S.A.	48.4540N	122.6251W	389	
Mount Fremont	FMW	Washington,U.S.A.	46.9317N	121.6720W	1890	From 1972-09-04
Mount Gambier	MGBR	South Australia,Australia	37.7283S	140.5710E	190	
Mount Gibbes	MGNC	North Carolina,U.S.A.	35.7363N	82.2855W	1973	
Mount Gilboa	MGI	Israel	32.4391N	35.4117E	300	
Mount Grey	MGB	British Columbia,Canada	49.0000N	124.6920W	1300	From 1983-12-01
Mount Hagen	VMHM	Oregon,U.S.A.	44.1377N	122.4070W	902	
Mount Hamilton	MHC	California,U.S.A.	37.3416N	121.6426W	1250	From 1887-01-01
Mount Hamilton Road	MHR	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mount Harif	HRFI	Israel	30.0364N	35.0370E	438	From 2002-05-20
Mount Harkness	LHKM	California,U.S.A.	40.4353N	121.2780W	2060	
Mount Harlan	BMHM	California,U.S.A.	36.6863N	121.4130W	811	From 1975-01-29
Mount Hebo	VHOM	Oregon,U.S.A.	45.2192N	123.7250W	951	
Mount Hebo	HEBO	Oregon,U.S.A.	45.2137N	123.7542W	875	
Mount Hermon	HRI	Israel	33.2660N	35.7340E	1015	From 1983-07-01
Mount Hood Meadows	HOOD	Oregon,U.S.A.	45.3216N	121.6522W	1520	
Mount Hope	RD03	Ontario,Canada	43.1832N	79.9440W	198	
Mount Hope	MHPQ	Queensland,Australia	21.3960S	146.8020E	200	From 1984-04-10
Mount Hope	HOPM	Victoria,Australia	35.9964S	144.2046E	140	
Mount Horn	MHZ	South Island,New Zealand	45.0619S	169.2797E	1127	From 1984-06-06 to 1996-04-30
Mount Humbug	HBMT	Montana,U.S.A.	45.7930N	112.6080W	2481	From 1990-08-08
Mount Ida	MZ-AR	Arkansas,U.S.A.	34.5586N	93.6578W	213	From 1962-12-20 to 1963-01-31
Mount Ida	MZ-	Arkansas,U.S.A.	34.5586N	93.6578W	213	From 1962-12-20 to 1963-01-31
Mount Ida	MIAR	Arkansas,U.S.A.	34.5457N	93.5730W	207	From 1992-09-23
Mount Irish	MTI	Nevada,U.S.A.	37.6758N	115.2759W	1536	From 1979-06-08 to 2002-10-10
Mount Isa	ISQ	Queensland,Australia	20.7150S	139.5530E	500	From 1979-08-21 to 1987-06-14
Mount Isa	QIS	Queensland,Australia	20.5577S	139.6052E	450	From 1987-06-15
Mount John	MJZ	South Island,New Zealand	43.9872S	170.4660E	1000	From 1965-05-29 to 1980-06-25
Mount John Pukaki	MJP	South Island,New Zealand	43.9911S	170.4590E	960	From 1975-06-01 to 1983-11-21
Mount Johnson	BJOM	California,U.S.A.	36.6283N	121.3130W		From 1974-01-31
Mount Kelaz	KELA	Alaska,U.S.A.	58.4400N	155.7407W	975	
Mount Kenneth	MTKN	Western Australia,Australia	31.9333S	115.7736E	61	From 2009-04-01
Mount Kliuchef	KOKL	Alaska,U.S.A.	52.3230N	174.2030W	758	
Mount Konoctai	GMKM	California,U.S.A.	38.9695N	122.7870W	906	From 1975-04-18
Mount Lassen	LAS	California,U.S.A.	40.4752N	121.5080W	2650	From 1973-10-01 to 1974-07-16
Mount Lazard	LZB	British Columbia,Canada	48.6117N	123.8236W	844	
Mount Lewis	CMLM	California,U.S.A.	37.4773N	121.6510W	1076	
Mount Logan	MTLAZ	Arizona,U.S.A.	36.3530N	113.1990W	2418	
Mount Malkishua	MMLI	Israel	32.4379N	35.4216E	511	
Mount Malkishua	MML	Israel	32.4351N	35.4133E	510	From 1986-05-01 to 2001-07-18
Mount Mary	MMP	South Island,New Zealand	44.1425S	170.2780E	950	From 1975-06-01 to 1983-11-21
Mount Meron	MRNI	Israel	33.0120N	35.3920E	900	
Mount Meron	MMR	Israel	32.9900N	35.4200E	1108	From 1991-05-01
Mount Meron	MNRI	Israel	33.0100N	35.3870E	900	
Mount Meron array	MMA0	Israel	33.0152N	35.4031E	810	From 2004-01-01
Mount Meron array	MMB1	Israel	33.0151N	35.4108E	733	From 2004-01-01
Mount Meron array	MMA0B	Israel	33.0153N	35.4031E	809	From 2004-01-01
Mount Meron array	MMA4	Israel	33.0146N	35.3975E	851	From 2004-01-01
Mount Meron array	MMC1	Israel	33.0305N	35.4037E	827	From 2004-01-01
Mount Meron array	MMC7	Israel	33.0221N	35.3926E	816	From 2004-01-01
Mount Meron array	MMA3	Israel	33.0121N	35.4006E	792	From 2004-01-01
Mount Meron array	MMB4	Israel	33.0208N	35.4020E	806	From 2004-01-01
Mount Meron array	MMB3	Israel	33.0195N	35.3971E	812	From 2004-01-01
Mount Meron array	MMC6	Israel	33.0120N	35.3915E	893	From 2004-01-01
Mount Meron array	MMA1	Israel	33.0181N	35.4062E	776	From 2004-01-01
Mount Meron array	MMC4	Israel	33.0072N	35.4186E	750	From 2004-01-01
Mount Meron array	MMC2	Israel	33.0268N	35.4116E	701	From 2004-01-01
Mount Meron array	MMB2	Israel	33.0097N	35.3953E	878	From 2004-01-01
Mount Meron array	MMC3	Israel	33.0183N	35.4138E	713	From 2004-01-01
Mount Meron array	MMA2	Israel	33.0125N	35.4057E	776	From 2004-01-01
Mount Meron array	MMC5	Israel	33.0087N	35.4127E	766	From 2004-01-01
Mount Meron Array Beam Reference Point	MMAI	Israel	33.0153N	35.4031E	809	From 2004-01-01
Mount Michael	MMCZ	South Island,New Zealand	45.0036S	169.1313E	1163	From 1990-03-01 to 1996-04-30
Mount Mitchell	MTMW	Washington,U.S.A.	46.0255N	122.2120W	1121	
Mount Mocho	CMMM	California,U.S.A.	37.4557N	121.4940W	1117	
Mount Montar	MOI	Israel	31.7350N	35.3491E	140	
Mount Morgan	MORG	Queensland,Australia	23.7626S	150.3901E	170	
Mount Moriah Church	MMCS	South Carolina,U.S.A.	34.7798N	82.9152W	280	
Mount Morrison	MTW	North Island,New Zealand	41.1594S	175.5020E	282	From 1979-06-29
Mount Natib	NBP	Luzon,Philippines	14.7420N	120.4160E	585	
Mount Nelson	NELS	Tasmania,Australia	42.9271S	147.3326E	348	
Mount Ogden	MOUT	Utah,U.S.A.	41.1849N	111.8790W	2743	From 1980-09-01
Mount Olympus	OLYC	California,U.S.A.	33.4313N	117.1180W	482	
Mount Oso	COSM	California,U.S.A.	37.5085N	121.3740W	1020	
Mount Ozzard	OZB	British Columbia,Canada	48.9603N	125.4930W	671	
Mount Pasian	MPP	Mindanao,Philippines	7.8972N	126.0180E	1130	From 1975-09-01 to 1980-01-17
Mount Pierce	KMPM	California,U.S.A.	40.4173N	124.1200W	957	
Mount Pierson	MTPU	Utah,U.S.A.	38.0415N	112.1843W	3112	From 2009-10-24
Mount Pinos, Frazier Park	MPI	California,U.S.A.	34.8126N	119.1453W	2673	From 2000-11-01
Mount Rainier--Camp Muir	RCM	Washington,U.S.A.	46.8358N	121.7318W	3085	
Mount Rainier--Camp Schurman	RCS	Washington,U.S.A.	46.8710N	121.7310W	2877	From 1989-06-27
Mount Rainier--Emerald Ridge	REMR	Washington,U.S.A.	46.8192N	121.8409W	1756	From 1989-07-12
Mount Rainier--Summit	RSU	Washington,U.S.A.	46.8533N	121.7631W	4440	
Mount Rainier--Voight Creek	RVC	Washington,U.S.A.	46.9429N	121.9710W	1000	
Mount Ramon	RMNI	Israel	30.5964N	34.7620E	853	
Mount Ramon	RMN	Israel	30.4970N	34.6270E	1000	
Mount Read	MTRD	Tasmania,Australia	41.8464S	145.5436E	1080	
Mount Saint Catherine	GRW	Grenada	12.1600N	61.6610W	762	From 1978-04-09
Mount Saint Helena	NMHM	California,U.S.A.	38.6695N	122.6340W	1331	From 1977-01-20
Mount Saint Helena	SHC	California,U.S.A.	38.6703N	122.6340W	1200	From 1973-12-07 to 1977-01-20
Mount Saint Helens	SHW	Washington,U.S.A.	46.1925N	122.2370W	1423	From 1972-10-25
Mount Saint Helens Crater	VALT	Washington,U.S.A.	46.2142N	122.1893W	1681	From 2006-09-23
Mount San Antonio	MSA	New Mexico,U.S.A.	36.8592N	106.0180W	3322	From 1975-10-09
Mount Santo Tomas	MSP	Luzon,Philippines	16.3333N	120.5667E	2000	From 1975-10-01
Mount Sar Shalom	MSM	Israel	33.0610N	35.2790E	500	From 1983-03-19 to 1983-07-14
Mount Sheppard	MTSH	North Carolina,U.S.A.	35.7556N	79.9528W	361	
Mount Sheridan	YMS	Wyoming,U.S.A.	44.2640N	110.5278W	3106	
Mount Signal	SGL	California,U.S.A.	32.6492N	115.7250W	110	From 1973-04-16
Mount Sodom	SDOM	Israel	31.0800N	35.3900E	-200	
Mount Spurr	SPU	Alaska,U.S.A.	61.1817N	152.0540W	800	From 1971-08-10
Mount St. Helen	MSH31	Washington,U.S.A.	46.3085N	119.3380W	117	From 2005-08-14
Mount St. Helen	MSH21	Washington,U.S.A.	46.3079N	122.2660W	1040	From 2004-10-30
Mount St. Helen	MSH11	Washington,U.S.A.	46.2078N	119.0377W	97	From 2004-10-28
Mount Surprise	MTSU	Queensland,Australia	18.1342S	144.3168E	460	From 2002-11-06
Mount Tamalpais	NTPM	California,U.S.A.	37.9200N	122.5630W	274	
Mount Tarawera	TARZ	North Island,New Zealand	38.2356S	176.5059E	1071	From 2007-11-22
Mount Tassie	MTV	Victoria,Australia	38.4017S	146.5660E	740	
Mount Tassie Tower	MTLM	Victoria,Australia	38.4015S	146.5642E	755	
Mount Taylor	MTL	New Mexico,U.S.A.	35.2519N	107.5960W	3335	From 1975-10-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mount Thompson	THOB	British Columbia,Canada	52.6900N	119.1220W	2499	From 1972-10-15 to 1999-08-25
Mount Tsukuba	MTJ	Ibaraki,Japan	36.2108N	140.1100E	286	From 1921-01-01
Mount Umunhum	JUMM	California,U.S.A.	37.1608N	121.8980W	1048	
Mount Union College	MUCO	Ohio,U.S.A.	40.9050N	81.1090W	365	
Mount Varzin	EVZ	New Britain,Papua New Guinea	4.3960S	152.1550E	597	
Mount Washington	MWAB	British Columbia,Canada	49.7411N	125.3032W	1176	From 2009-07-31
Mount Wilson	MWC	California,U.S.A.	34.2238N	118.0580W	1730	From 1928-04-23
Mount Yahel	MYI	Israel	31.1990N	35.2160E	500	
Mount Yoash	YASH	Israel	29.5850N	34.8810E	718	
Mount Zion Church	ZIN	South Carolina,U.S.A.	33.1072N	80.1628W	30	From 1977-10-23
Moutere Station	MSCZ	South Island,New Zealand	45.0931S	169.4117E	701	From 1986-12-01 to 1996-04-30
Mouthoumet	MTHF	Languedoc-Rousillon,France	42.9386N	2.5339E	620	From 1989-01-01
Moxa	MOX	Thuringen,Germany	50.6447N	11.6156E	455	
Moxie City	MXC	Washington,U.S.A.	46.5772N	120.2930W	540	
Moye	OG06	Rhone-Alpes,France	45.8810N	5.8902E	650	From 1992-04-14
Moyogalpa	MOYN	Nicaragua	11.5357N	85.6958W	50	
Moyori	MYR	Tokachi,Japan	42.2918N	143.2837E	80	From 1971-11-03
Moyuta	MYT	Guatemala	14.0472N	90.0642W	1325	From 1983-10-01
Mozjanca	MOZS	Slovenia	46.2941N	14.4433E	660	From 2005-07-07
Mtatsminda	MTA	Georgia	41.6939N	44.7925E	515	From 2004-01-01
Mt Baker	MU-	Washington,U.S.A.	48.9167N	121.9103W	732	From 1962-09-26 to 1962-10-05
Mt Berech	MBRI	Israel	29.7942N	34.9140E	850	From 2007-06-19
Mt. Cagua	SGCP	Luzon,Philippines	18.2420N	122.0460E	50	
Mte Cammarata	MCT	Sicily,Italy	37.6311N	13.6336E	1565	
Mte del Estrado	MEP	Puerto Rico	18.1458N	66.9811W	880	From 1990-07-01 to 1999-08-25
M.te Sabotino	SABO	Italy	45.9800N	13.6000E	600	
Mte Sant'Angelo	FG3	Italy	41.7074N	15.9494E	858	
Mte Valcellina	RCL	Italy	46.1600N	12.6533E	548	From 1977-08-03 to 1995-11-10
Mte Valcellina	RE1	Italy	46.1600N	12.6533E	548	From 1977-08-03 to 1995-11-10
Mt Hamilton Road	NHMM	California,U.S.A.	38.1547N	121.8003W		From 1969-03-04
Mt Hamilton Road	CB10	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mt Hamilton Road	CMHM	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mt. Morris Dam	MMNY	New York,U.S.A.	42.7319N	77.9066W	241	From 2008-05-01
Mt Rat	MRAT	South Australia,Australia	34.6300S	137.6254E	120	From 2007-02-01
Mts of Mourne	GMM	Northern Ireland,United Kingdom	54.2390N	5.9510W	140	From 1989-01-01
Mt St Catherine	MCG	Grenada	12.1600N	61.6610W	762	From 1977-07-01 to 1978-07-01
Mt Trumbull	U14A	Arizona,U.S.A.	36.4182N	113.1805W	1916	From 2007-02-18 to 2008-11-13
Mt Valcellina	MRVI	Italy	46.1600N	12.6533E		From 1977-08-03 to 1999-08-25
Muara Teweh, Kalimantan	MTKI	Kalimantan,Indonesia	0.9418S	114.8959E	114	From 2008-12-01
Mucha	TWA	Taiwan region	24.9803N	121.5837E	260	From 1972-08-29
Mudanjiang	MDJ	Jilin,China	44.6164N	129.5920E	250	
Mudanya-Bursa	MDNY	Turkey	40.3690N	28.8840E	110	From 2008-07-09
Mudaysisat	MDSJ	Jordan	31.6320N	36.2520E	970	From 1985-12-20
Mud Lake	MUDI	Idaho,U.S.A.	43.6189N	111.0770W	2124	From 1986-01-01 to 2005-03-26
Muduarah	MUDJ	Jordan	29.4220N	35.8200E	900	
Muduarah	MDRJ	Jordan	29.4420N	35.8200E	900	From 1990-04-26
Mudurnu	MDUB	Turkey	40.4711N	31.1976E	1108	From 2008-05-22
Mudurnu	MDU	Turkey	40.4653N	31.2145E	740	From 1995-12-21 to 2008-05-22
Mudurnu	MUT	Turkey	40.4647N	31.2119E	960	From 1979-01-01 to 1999-08-25
Mud Volcano	MVW	Wyoming,U.S.A.	44.6225N	110.4420W	2415	From 1972-10-01
Muggio	MUGIO	Switzerland	45.9219N	9.0417E	830	From 2002-01-24
Muharraq	BMU	Bahrain	26.2350N	50.6600E		
Muhayil	MOHS	Saudi Arabia	18.5761N	42.0190E	520	
Muhor-Tarhata, Altay Republic, Russia	SLNR	Altayskiy Kray	49.7770N	88.4670E	2057	From 2003-10-18
Muirshiel	PMSU	Scotland,United Kingdom	55.8459N	4.7452W	351	From 1990-01-01 to 1991-01-01
Mukachevo	MUKU	Ukraine	48.4536N	22.6874E	125	From 1996-08-14
Mukerian	MUK	Punjab,India	31.9500N	75.6167E		
Mula	EXMU	Spain	38.0390N	1.4940W	340	
Muldenberg	MULD	Sachsen,Germany	50.4117N	12.4040E	678	From 2007-12-20
Muleshoe	MSTX	Texas,U.S.A.	33.9696N	102.7724W	1167	From 2008-04-23
Mulino	G04A	Oregon,U.S.A.	45.2059N	122.4784W	272	From 2005-11-09 to 2008-11-12
Mullan	MUL	Idaho,U.S.A.	47.4617N	115.7820W	1300	From 1968-01-01
Mullinville	S31A	Kansas,U.S.A.	37.6193N	99.4845W	700	From 2009-04-14
Mull of Kintyre	GMK	Scotland,United Kingdom	55.3459N	5.5936W	160	From 1989-01-01
Multi FST (Faido)	MFSFA	Switzerland	46.5004N	8.8080E	427	From 2005-12-15
Multi FST (Faido)	MFSFB	Switzerland	46.5055N	8.8045E	441	From 2005-12-15
Mulungwishi	MLN	Congo (Kinshasa)	10.7833S	26.6250E	1200	From 1970-11-30 to 1976-12-31
Mummy Mountain	MMA	Arizona,U.S.A.	33.5544N	111.9580W	426	From 1971-05-17 to 1973-01-18
Munchique	MUNC	Colombia	2.4693N	76.9569W	3007	From 1994-01-01
Muncho Lake	MUB	British Columbia,Canada	58.9550N	125.7570W	1100	
Mundaring	MUN	Western Australia,Australia	31.9783S	116.2080E	253	From 1959-07-31 to 2008-04-21
Mungyeong	KSMUG	South Korea	36.6213N	128.1506E	170	From 2000-02-23 to 2006-12-30
Mungyeong	KSMGY	South Korea	36.6552N	128.0608E	209	From 2006-12-30
Munich	MNH	Bayern,Germany	48.1500N	11.6000E	528	From 1905-01-01 to 1943-12-31
Munster	MWG	Nordrhein-Westfalen,Germany	51.9627N	7.6241E	58	
Muntele Rosu	MLR	Romania	45.4909N	25.9450E	1360	
Muotathal	MUO	Switzerland	46.9676N	8.6371E	1920	From 1981-11-24
Murafatepe	MRFT	Turkey	40.5036N	33.4547E	1500	From 1992-01-01 to 1992-07-31
Muraz-Klaeranlage	SMUK	Switzerland	46.2863N	6.9406E	388	From 2006-04-03
Muraz-Reservoire	SMUR	Switzerland	46.2772N	6.9205E	480	From 2006-04-03
Murefte	MFT	Turkey	40.7867N	27.2812E	924	From 1978-10-01
Murgab	MUR	Tajikistan	38.3667N	73.9333E	3860	
Muro Lucano	MRLC	Italy	40.7564N	15.4889E	605	
Muroran	MRR	Iburi,Japan	42.3100N	140.9817E	43	From 1923-06-01
Muroran 2	MRRJ	Iburi,Japan	42.4250N	141.0720E	-15	
Murotomisaki	MRT	Kochi,Japan	33.2483N	134.1800E	186	
Muroto Misaki	MRMJ	Kochi,Japan	33.2444N	134.1805E	10	From 1995-05-31
Murotomisaki 2	MRT2	Kochi,Japan	33.3863N	134.1432E	200	From 1994-01-27
Murphy	MYNC	North Carolina,U.S.A.	35.0739N	84.1279W	550	
Murphy Dome	MDM	Alaska,U.S.A.	64.9588N	148.2300W	634	From 1990-02-16
Murphy's Point	MPPO	Ontario,Canada	44.7700N	76.2648W	143	
Murrieta	MURC	California,U.S.A.	33.6000N	117.2000W	562	From 2005-10-12
Murupara	MUGZ	North Island	38.4771S	176.7705E	337	From 2011-03-29
Murzuk	LUMB	Libya	26.1382N	14.7520E	474	
Musan	KSMUS	South Korea	37.8881N	126.7594E	40	From 2002-10-19
Mushullacta	MUSH	Ecuador	1.7147S	77.8392W	1010	From 1995-10-06
Musihges	OG34	Rhone-Alpes,France	46.0113N	5.9600E	445	From 2002-08-06
Muskinabad	MUS	Tajikistan	38.6833N	69.6000E		
Musomiste	MMB	Bulgaria	41.5892N	23.7278E	606	From 1983-08-01
Musselwhite Mine	MUMO	Ontario,Canada	52.6128N	90.3914W	316	
Musuan	BUKP	Mindanao,Philippines	7.8790N	125.0620E	471	
Mutare	MUZ	Zimbabwe	18.9950S	32.6267E	0	
Mutkov	MUTC	Czech Republic	49.7990N	17.2837E	614	
Mutnovka	MTVR	Kamchatskaya Oblast',Russia	52.4830N	158.1830E	1394	From 2008-12-23
Mutribah	MIB	Kuwait	29.8032N	47.3388E	125	
Muttenz-Waldhaus	SMZW	Switzerland	47.5476N	7.6473E	272	From 1996-12-13
MW Ranch, Wilsonville	O30A	Nebraska,U.S.A.	40.1791N	100.0571W	751	From 2009-05-29
Myers Farm, Uniontown	E10A	Washington,U.S.A.	46.4850N	117.1102W	903	From 2006-09-28 to 2008-06-20
Myklebust	N2B2	Norway	61.7210N	5.1780E	25	
Myndd Eilian	WME	Wales,United Kingdom	53.3966N	4.3034W	130	From 1985-01-01
Myokensan	MYO	Osaka,Japan	34.9254N	135.4705E	640	
Myponga	MYP	South Australia,Australia	35.4436S	138.4162E	150	From 2006-04-01
Myrviken	MYV	Sweden	62.9417N	14.3467E	345	From 1981-12-15
Myrvik Farm, Edmore	B30A	North Dakota,U.S.A.	48.4505N	98.3286W	480	From 2009-08-18
Mys Kozlova	MKZ	Kamchatskaya Oblast',Russia	54.5561N	161.7300E		
Mys Shipunski	SPN	Kamchatskaya Oblast',Russia	53.0980N	160.0230E	170	
Mys Shultsa	MSHR	Primorskiy Kray	42.5800N	131.1570E	84	From 2008-10-01
Mzuzu	MZM	Malawi	11.4333S	34.0167E		
N23	N23	Nevada,U.S.A.	37.3013N	116.6160W	1838	
Naalehu	NAA	Hawaii,U.S.A.	19.0633N	155.5870W	205	From 1958-01-01 to 1969-01-01
Nabeyama	NABD	Kagoshima,Japan	31.4875N	130.7753E	340	
Nabire	NABI	Irian Jaya,Indonesia	3.3269S	135.2403E	0	
Naboro	NAF	Fiji	18.1203S	178.3008E	183	From 1979-10-01 to 1983-04-30
Naches	NAC	Washington,U.S.A.	46.7344N	120.8260W	738	
Nacogdoches	NATX	Texas,U.S.A.	31.7598N	94.6610W	168	
Naden	NDB	British Columbia,Canada	53.9550N	132.9420W	686	
Nadi	NDF	Fiji	17.7569S	177.4500E	30	From 1971-08-05
Nadzab	NADZ	Papua New Guinea	6.5778S	146.7130E	65	
Naegeli Ranch, Trout Creek	C12B	Montana,U.S.A.	47.7092N	115.4750W	801	From 2007-08-27 to 2009-08-02

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
NAFPAKTOS	NFP	Greece	38.4170N 21.8590E	280	From 2006-01-06
Nagahama	JNA	Ehime,Japan	33.5572N 132.4787E	230	
Nagai Island	NAGA	Alaska,U.S.A.	54.9783N 160.1383W	305	From 1996-07-01
Nagai Island	NGI	Alaska,U.S.A.	55.0393N 160.0692W	240	
Nagano	NGN	Nagano,Japan	36.6600N 138.1950E	419	
Nagara	JCN	Chiba,Japan	35.4183N 140.2017E	40	
Nagarjunasagar	NJS	Andhra Pradesh,India	16.5541N 79.3060E	189	From 2008-09-01
Nagasaki	NGS	Nagasaki,Japan	32.7317N 129.8700E	24	
Nagasakinomozaki	NGSJ	Nagasaki,Japan	32.6327N 129.7987E	20	From 1992-04-25
Nagatsuro	NGT	Shizuoka,Japan	34.6000N 138.8470E	55	
Na-gawa	NGJ	Nagano,Japan	36.1330N 137.7208E	858	
Nageezi	U21A	New Mexico,U.S.A.	36.4277N 107.6578W	2124	From 2008-05-23 to 2010-02-07
Nago	NAGO	Ryukyu Islands,Japan	26.0000N 128.1000E		
Nago	NGO1	Ryukyu Islands,Japan	26.5900N 127.9683E	6	From 1987-07-01
Nago	NGO	Ryukyu Islands,Japan	26.5950N 127.9730E	7	From 1974-07-01
Nagotoyohara	JNTH	Ryukyu Islands,Japan	26.5185N 128.0222E	46	From 2010-02-01
Nagoya	NAG	Aichi,Japan	35.1650N 136.9680E	56	
Nagpur	NGP	Maharashtra,India	21.1500N 79.0500E	311	
Nagua	NADR	Dominican Republic	19.3541N 69.8561W	4	From 2010-01-30
Nagutskaya	NAGR	Stavropol'skiy Kray,Russia	44.4472N 42.7614E	580	
Naha	NAH	Ryukyu Islands,Japan	26.2167N 127.6833E	11	
Naha	NAH1	Ryukyu Islands,Japan	26.2033N 127.6900E	21	From 1987-02-01
Nahal Hemdat	HMDT	Israel	32.2530N 35.5260E	151	From 1991-05-01
Nahampoana Res	FOMA	Madagascar	24.9756S 46.9788E	26	From 2008-09-01
Nahan	NHN	Himachal Pradesh,India	30.5269N 77.2712E	610	From 2007-05-01
NAHD	NAHD	Egypt	23.8022N 32.7781E	219	
Na'in	NASN	Iran	32.7990N 52.8080E	2800	From 1998-03-28
Nairobi	NAKO	Kenya	1.2739S 36.8037E	1692	
Nairobi	NAI	Kenya	1.2739S 36.8037E	1692	From 1963-06-14
NAIROBI INFRASONIC ARRAY REFERENCE POINT	B2KE	Kenya	1.2422S 36.8272E	1662	From 2003-06-17
Najran	NAJS	Saudi Arabia	17.5034N 44.2847E	1310	
Naju	KSNAJ	South Korea	35.0261N 127.9264E	68	From 2006-12-30
Nakaizu	JIZ	Yamanashi,Japan	34.9129N 138.9968E	263	
Na'kalak'ari	NKK	Georgia	41.9300N 45.0200E	1000	
Nakama	JJN	Niigata,Japan	37.1030N 138.1630E	140	
Nakano	NNJ	Nagano,Japan	36.7486N 138.3850E	420	From 1968-07-01 to 1973-03-31
Nakanohara	NKR	Hiroshima,Japan	34.9419N 132.8240E	391	From 1970-12-18
Nakanosawa	NSW	Nagano,Japan	36.4006N 138.5697E	1381	
Nakanoshima	JNN	Ryukyu Islands,Japan	29.8412N 129.8747E	240	
Nakash	JNK	Nemuro,Japan	43.5853N 144.7190E	220	
Nakatsue	JNU	Oita,Japan	33.1217N 130.8783E	540	
Nakayama Pass	NKS	Shiribeshi,Japan	42.8295N 141.0160E	420	From 1977-11-10 to 1978-08-20
Nake	NKE	Ryukyu Islands,Japan	28.3833N 129.5000E		
Nake (Tuamotu)	NAE	Tuamotu,French Polynesia	18.4236S 140.6690W	2	From 1976-01-01
Nakhchivan	NAX	Azerbaijan	39.1740N 45.4950E	927	From 2003-08-01
Nakhl	HNKL	Egypt	29.9293N 33.9804E	438	
Nakhla	NKM	Morocco	35.4481N 5.4100W	158	From 1973-10-01
Nakhon Sawan	NST	Thailand	15.6727N 100.1330E	34	From 1982-09-01
Nakina Ontario	NANO	Ontario,Canada	50.3543N 86.9684W	309	From 2005-08-04
Nalchik	NCK	Russia	43.4955N 43.5956E	500	From 2006-07-24
Nalgonda	NLG	Andhra Pradesh,India	17.0669N 79.2672E	220	From 1974-04-01
Nallihan	NAL	Turkey	40.2094N 31.3092E	1390	From 1991-01-01 to 1998-09-30
Nalytchevo	NLC	Kamchatskaya Oblast',Russia	53.1711N 159.3450E	20	
Namangan	NAM	Uzbekistan	40.9833N 71.6667E	419	
Namatanai	NAMA	Papua New Guinea	3.6653S 152.4416E	5	From 1997-10-24
Namhae	KSNAH	South Korea	34.8166N 127.9264E	40	From 2002-10-31
Namlea	NLAI	Ambon,Indonesia	3.2390S 127.0998E	0	From 2007-12-01
Namosi	NMS	Fiji	18.0842S 178.1650E	534	From 1979-10-01
Nampula	NPA	Mozambique	15.0875S 39.2533E	374	From 1974-02-10
Namsos	NSS	Norway	64.5300N 11.9670E	102	From 1987-02-01
Namu Road	NMEZ	North Island,New Zealand	39.4132S 173.8775E	119	From 2009-04-02
Namwon	KSNAW	South Korea	35.4014N 127.3344E	89	From 2000-02-07
Nan	NANT	Thailand	18.8000N 100.7000E	264	From 1995-06-01
Nana	NNA	Peru	11.9873S 76.8422W	575	
Nanahuazin	NANS	El Salvador	13.7150N 89.5092W	1160	
Nanaimo	NAB	British Columbia,Canada	49.2225N 124.0040W	256	From 1982-03-23 to 2004-04-03
Nanaimo Lost Lake,BC	NLLB	British Columbia,Canada	49.2274N 123.9881W	192	From 2003-12-30
Nanau	ENA	Taiwan region	24.4280N 121.7410E	113	
Nango	JANG	Aomori,Japan	40.3735N 141.5152E	270	
Nanjing	NJI	Jiangsu,China	32.0633N 118.7830E	10	
Nanjing	NAN	Jiangsu,China	32.0633N 118.7830E	10	
Nanjing	NJ2	Jiangsu,China	32.0517N 118.8540E	45	
Nanjuang	NSTT	Taiwan region	24.6310N 121.0010E	164	
Nankipoo	NKT	Tennessee,U.S.A.	35.8500N 89.5540W	153	From 1974-06-26 to 1992-02-29
Nanoose	GHNB	British Columbia,Canada	49.3065N 124.2364W	5	From 2004-11-22
Nan Shan	NNS	Taiwan region	24.4400N 121.3730E	1140	
Nanshi	CHN1	Taiwan region	23.1850N 120.5280E	360	
Nantucket	NMA	Massachusetts,U.S.A.	41.2947N 70.0261W	3	
Nanutarra	NANU	Western Australia,Australia	22.5619S 115.5290E	80	From 1987-10-22 to 1995-02-28
Nanutarra	NAU	Western Australia,Australia	22.5442S 115.5000E	80	From 1980-04-19 to 1987-10-21
Napay	NAP	Uzbekistan	41.7167N 70.1167E		
Napfberg	NAPF	Bayern,Germany	49.8887N 12.0517E	695	
Napier	NPR	North Island,New Zealand	39.5000S 176.9170E	10	From 1953-01-01 to 1955-12-31
Naples	NPL	Italy	40.8467N 14.2578E	7	
Napoleon	E29A	North Dakota,U.S.A.	46.5682N 99.6420W	628	From 2009-08-19
Napperby	NAPP	South Australia,Australia	33.1828S 138.1478E	181	From 2009-01-01
Naqoura	NAQL	Lebanon	33.1170N 35.1410E	83	From 2008-07-01
Nara	NAR	Nara,Japan	34.6917N 135.8317E	105	
Nara (Leontica)	NARA	Switzerland	46.4603N 8.8981E	1450	From 2005-12-15
Naramoto	NRME	Shizuoka,Japan	34.8266N 139.0645E	200	
Nardaran	NDR	Azerbaijan	40.5810N 49.9870E	41	From 2003-08-01
Nardues-Aldunate	YNAR	Spain	42.6375N 1.3672W	740	From 2009-12-11
Nariel	NARM	New South Wales,Australia	36.4302S 147.8448E	550	
Narlikuyu	NART	Turkey	36.4510N 34.1030E	100	From 1993-01-01
Naroch	NACGM	Belarus	54.9000N 26.7800E	189	From 1979-08-17
Naroch'	NE53	Belarus	54.9040N 26.7930E	189	From 1989-10-01
Narrogin	NWA	Western Australia,Australia	32.9270S 117.2340E	365	From 1976-02-13 to 2006-05-29
Narrogin (SRO)	NWAO	Western Australia,Australia	32.9270S 117.2340E	265	From 1976-02-13
Narrow River	NWR	Idaho,U.S.A.	42.0987N 113.4367W	1646	
Narrows	NAV	Virginia,U.S.A.	37.3167N 80.7931W	610	From 1968-01-01 to 2004-09-30
Narsarsuaq	NRS	Greenland	61.1595N 45.4188W	65	
Naryn	NRN	Kyrgyzstan	41.4333N 76.0000E	2849	
Nasa	NAS2	Ecuador	0.6453S 78.4683W	4022	From 2007-08-15
Nasa	NAS1	Ecuador	0.6335S 78.4775W	3880	From 1993-11-24
Nasa Cotopaxi	NCE	Ecuador	0.6611S 78.4972W	3821	From 1977-01-01 to 1982-12-31
Nasa Mountain	NMN	Nevada,U.S.A.	37.0808N 116.8181W	1500	From 1978-11-28
Nasaqa	NAS	Fiji	16.5367S 179.2967E	85	From 1964-01-01 to 1969-12-31
Nassriya	NSR	Iraq	31.0100N 46.1400E	5	From 2009-01-01
Nasudden	NSD	Sweden	65.1955N 18.8235E		From 1991-01-01
Natal	NAT	Rio Grande do Norte,Brazil	5.8678S 35.2845W	50	
Natashquan Quebec	NATG	Gulf of St. Lawrence	50.2872N 62.8102W	-1	From 2005-11-26
Natchez Trace	NATN	Tennessee,U.S.A.	35.8560N 88.2400W	198	From 1985-03-27 to 1987-05-06
Natchez Trace	NAIN	Tennessee,U.S.A.	35.8560N 88.2400W	198	
Nathian	NTP	Pakistan	34.3272N 72.3858E	686	
National Central University	NCU	Taiwan region	24.9700N 121.1870E	134	
National Guard	NGH	Hawaii,U.S.A.	19.7020N 155.0290W	18	
National Taiwan Ocean University, Keelung City	TNOU	Taiwan region	25.1500N 121.7730E	50	From 1999-08-04
Natividade	NATB	Brazil	21.0550S 42.0040W		
Natroun	HNAT	Egypt	29.6329N 30.6172E	270	
Nattai	NATM	New South Wales,Australia	34.2061S 150.4267E	632	
Natural Bridge	YNB	Wyoming,U.S.A.	44.5245N 110.4590W	2390	
Natural Resources Authority	JSOJ	Jordan	31.9570N 35.8460E	926	
Naumai	NMHZ	North Island,New Zealand	39.0988S 176.8063E	864	From 2008-04-07
Nausori Highlands	NHF	Fiji	17.8083S 177.5967E	518	From 1964-01-01 to 1969-12-31
Navajo Lake	T21A	New Mexico,U.S.A.	36.9914N 107.5342W	2006	From 2008-05-24 to 2010-02-07
Navajo Res., Navajo Mountain	T17A	Arizona,U.S.A.	36.9969N 110.8041W	1876	From 2007-07-30 to 2009-03-04
Navarro Ridge	GNAM	California,U.S.A.	39.1975N 123.6310W	344	
Navidad	NAVD	Valparaiso,Chile	33.9508S 71.8328W	16	
Naxcivan	NAK	Azerbaijan	39.2050N 45.4150E	887	From 1951-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Naze	NZJ	Ryukyu Islands,Japan	28.3767N	129.4980E	4	From 1973-04-01
Nazlini	NL-AZ	Arizona,U.S.A.	35.9014N	109.5694W	1768	From 1964-03-31 to 1965-01-25
Nazlini	NL2	Arizona,U.S.A.	35.8069N	109.6290W	1920	From 1965-02-10 to 1965-10-04
Nazlini	NL2AZ	Arizona,U.S.A.	35.8069N	109.6286W	1920	
Nazlini	NL-	Arizona,U.S.A.	35.9014N	109.5694W	1768	From 1964-03-31 to 1965-01-25
Nazwa, Dubai	NAZ	United Arab Emirates	24.9884N	55.6618E	199	From 2006-05-24
Neah Bay	NBW	Washington,U.S.A.	48.4000N	124.7000W		
Neapolis	NPS	Crete,Greece	35.2625N	25.6125E	370	From 1973-07-01
Near Bada	BODY	Saudi Arabia	28.3560N	35.1320E		
Near Lassiter	DY5	Tennessee,U.S.A.	36.3247N	89.3621W	134	From 1970-01-01 to 1972-12-31
Near Potsdam	CHIP	New York,U.S.A.	44.7980N	75.1950W	97	
Near Sharaf	MATS	Saudi Arabia	28.7140N	35.0800E		From 1993-07-01 to 1999-08-25
N˜bias	FNEB	Midi-Pyrenees,France	42.9042N	2.1079E	578	From 2007-07-01
Nebitdag	NBD	Turkmenistan	39.5100N	54.3830E	15	
Nectar Brook	NBK	South Australia,Australia	32.7010S	137.9830E	180	
Nedlands	NDA	Western Australia,Australia	31.9750S	115.8170E	8	
Needles	NEE	California,U.S.A.	34.8248N	114.5994W	139	From 1993-04-16 to 2006-07-27
Needles	ND-CL	California,U.S.A.	34.5992N	115.5514W	366	From 1963-04-17 to 1963-06-07
Needles	ND-	California,U.S.A.	34.5992N	115.5514W	366	From 1963-04-17 to 1963-06-07
Needles Airport, Needles	NEE2	California,U.S.A.	34.7676N	114.6188W	271	From 2006-07-27
Neeritter	NEER	Netherlands	51.1687N	5.7846E	30	From 2006-01-27
Negara	NBBI	Bali,Indonesia	8.3700S	114.6200E	0	
Negar Kerman	NGRK	Iran	29.6440N	56.7304E	3123	From 2010-05-05
Neginohata	NGHE	Shizuoka,Japan	34.8122N	138.8281E	160	
Negril	NEJ	Jamaica	18.2510N	78.3300W	200	From 2002-04-17
Neicheng	TWE	Taiwan region	24.7211N	121.6670E	20	From 1975-07-18
Neifu	TWZ	Taiwan region	25.0970N	121.5790E	280	From 1975-01-18 to 1983-11-11
Neilton Lookout	NLWA	Washington,U.S.A.	47.3917N	123.8691W	640	
Neipperg	NEI	Baden-Wurttemberg,Germany	49.1083N	9.0417E	268	
Nelchina	NCA	Alaska,U.S.A.	61.9937N	146.8240W	741	From 1986-07-17
Nelson	V12A	Nevada,U.S.A.	35.7266N	114.8511W	1098	From 2006-06-19 to 2008-10-16
Nelson	NNZ	South Island,New Zealand	41.2188S	173.3794E	145	From 2003-08-12
Nelson	NEL	Nevada,U.S.A.	35.7122N	114.8433W	999	From 1963-10-01 to 1981-12-31
Nelson	NEN	Nevada,U.S.A.	35.6495N	114.8433W	1326	
Nelson Butte	NLW	Washington,U.S.A.	48.0783N	120.3380W	1490	From 1985-05-01
Nelyaty	NLYR	Chitinskaya Oblast',Russia	56.4911N	115.7031E	596	
Nelyaty	NLY	Buryatiya,Russia	56.5036N	115.7022E	596	From 1979-04-01 to 2001-11-28
Nemaska	NEMQ	Quebec,Canada	51.6837N	76.2576W	197	From 2007-08-27
Nemaska Station	NMSQ	Quebec,Canada	51.7133N	76.0237W	275	From 2009-09-12
Nemuro	NEM	Nemuro,Japan	43.3283N	145.5900E	26	
Nemuro 2	NEM2	Nemuro,Japan	43.3650N	145.7430E	16	From 1992-12-16
Nemuro--Hokkaido University	NMR	Nemuro,Japan	43.3695N	145.7280E	20	
Nenana	NEA	Alaska,U.S.A.	64.5772N	149.0770W	364	From 1971-10-01
Neochorion	VNE	Greece	39.3119N	23.2322E	692	From 1982-10-01
Neokhori	NEO	Greece	39.3067N	23.2235E	500	From 1988-01-01
NEPTUNE Canada Endeavour node	NCEN	British Columbia,Canada	47.9399N	129.0600W	-2324	From 2009-01-01
NEPTUNE Canada Endeavour West	KEBB	British Columbia,Canada	47.9594N	129.1254W	-2201	From 2009-09-01
NEPTUNE Canada High Rise	NCHR	British Columbia,Canada	47.9741N	129.0819W	-2150	From 2009-01-01
NEPTUNE Canada Main Field	KEMF	British Columbia,Canada	47.9485N	129.0987W	-2205	From 2009-01-01
NEPTUNE Canada Mothra	KEMO	British Columbia,Canada	47.9241N	129.1082W	-2270	From 2009-01-01
Nerja	ANER	Spain	36.7623N	3.8453W	170	
Nerungri	NRGR	Sakha,Russia	56.6570N	124.7230E	840	From 2001-11-01
Neskantaga (Lansdowne House)First Nations Ontario	NSKO	Ontario,Canada	52.1965N	87.9305W	241	From 2005-07-29
Nestorio	NEST	Greece	40.4147N	21.0489E	1056	From 2008-06-30
Neuchatel	NEU	Switzerland	46.9973N	6.9573E	487	From 1911-01-01 to 1999-08-25
Neuchatel	NEC	Switzerland	47.0063N	6.9487E	600	From 1980-06-01 to 1996-01-19
Neuenburg	NEUB	Sachsen-Anhalt,Germany	51.2083N	11.7752E	200	From 2003-08-21
Neuhaus	RNHA	Bayern,Germany	47.8060N	12.8190E	855	From 2001-05-22
Neumayer	VNA	Dronning Maud Land	70.5997S	8.3622W	40	
Neumayer Olymp	VNA3	Dronning Maud Land	71.2428S	9.6687W	480	
Neumayer--Station	VNA1	Dronning Maud Land	70.6503S	8.2624W	40	From 1992-03-01
Neumayer--Watzmann	VNA2	Dronning Maud Land	70.9252S	7.3927W	350	
Neuquen (mine)	NEUQ	Chile	20.1722S	70.0732W	1043	From 2009-05-17
Nevada Test Site	NT2NV	Nevada,U.S.A.	37.2533N	116.2858W	2185	
Nevada Test Site	NT-NV	Nevada,U.S.A.	37.2758N	116.4183W	1987	
Nevada Test Site Array	NTA	Nevada,U.S.A.	37.2783N	116.4370W	1996	
Nevado Cumbal	CUMC	Colombia	0.9607N	77.8723W	3950	From 1989-01-01
Nevel'sk	NEVR	Sakhalinskaya Oblast'	46.6760N	141.8580E	24	From 2008-10-10
Neviano degli Arduini - PR	RE01	Italy	44.5810N	10.3129E	522	From 2008-12-27 to 2009-02-12
Nevis Range	KNR1	Scotland,United Kingdom	56.8219N	4.9714W	1147	From 1991-01-01
Nevrokopi	NVR	Greece	41.3500N	23.8619E	595	From 1997-01-01
Nevsehir-Avanos	AVNS	Turkey	38.8065N	34.8474E	1213	From 2010-12-17
NEVSHA	NEF	Bulgaria	43.2643N	27.2752E	350	From 2007-06-01
New Abbey	BNA	Scotland,United Kingdom	54.9658N	3.6242W	28	
New Alisa	ANAL	Egypt	23.4100N	32.6780E		
Newall Road	NWEZ	North Island,New Zealand	39.2750S	173.8667E	230	
New Almaden Mine	JNAM	California,U.S.A.	37.1770N	121.8450W	512	
Newark	NED	Delaware,U.S.A.	39.7042N	75.7047W	47	From 1970-11-19
Newberry Crater	NCOR	Oregon,U.S.A.	43.7040N	121.1380W	1908	From 1987-09-01
Newby Ranch, Pratt	S32A	Kansas,U.S.A.	37.7001N	98.9363W	558	From 2009-10-11
Newcastle	P21A	Colorado,U.S.A.	39.5240N	107.4493W	2097	From 2007-12-12
Newcastle	NWL	Natal,South Africa	27.7207S	29.9532E	1332	
New Castle	NCJ	Jamaica	18.0750N	76.7190W	1142	
Newcastle Ridge	NCRB	British Columbia,Canada	50.4035N	126.0553W	1293	
Newcomb	U20A	New Mexico,U.S.A.	36.3758N	108.5204W	1682	From 2008-02-19
Newcomb	NCB	New York,U.S.A.	43.9708N	74.2236W	500	
Newdale	I16A	Idaho,U.S.A.	43.8756N	111.4868W	1744	From 2007-08-15 to 2009-09-17
New Delhi	NDI	Delhi,India	28.6833N	77.2167E	230	From 1960-10-01
Newell	G25A	South Dakota,U.S.A.	45.1935N	103.4173W	894	From 2009-07-10
New Goldendale	GL2	Washington,U.S.A.	45.9597N	120.8230W	1000	
New Haven	NHC	Connecticut,U.S.A.	41.3167N	72.9000W	11	From 1925-01-01 to 1999-08-25
New Haven	NHIL	Illinois,U.S.A.	37.9269N	88.1708W	134	
New Hogan Reservoir	MNHM	California,U.S.A.	38.1458N	120.8140W	219	From 1977-03-01
New Hope	NHSC	South Carolina,U.S.A.	33.1067N	80.1778W	11	
New Kensington	NKP	Pennsylvania,U.S.A.	40.5597N	79.7542W	251	From 1939-01-01 to 1959-12-31
New Madrid	NMM	Missouri,U.S.A.	36.5910N	89.5282W		From 1967-11-01 to 1969-11-30
New Madrid	NMD	Missouri,U.S.A.	36.5750N	89.4819W	92	
New Madrid	NMMO	Missouri,U.S.A.	36.5880N	89.5520W	90	
New Madrid Sch	NMEM	Missouri,U.S.A.	36.5740N	89.5850W	0	
New Mexico Highlands	NMH	New Mexico,U.S.A.	35.6042N	105.1700W	2026	From 1977-10-15
New Orleans	NOL	Louisiana,U.S.A.	29.9483N	90.1200W	2	From 1910-01-01
New Plymouth	NPZ	North Island,New Zealand	39.0667S	174.0730E	34	From 1931-08-01 to 1958-12-31
Newport	NEW	Washington,U.S.A.	48.2642N	117.1227W	760	From 1966-06-01
Newport DOGAMI SMO	NEWO	Oregon,U.S.A.	44.6243N	124.0461W	2	From 2008-02-14
NEWPORT INFRASONIC ARRAY REFERENCE POINT	I56US	Washington	48.2641N	117.1257W	763	From 2005-07-13
New Reactor	NPRI	Idaho,U.S.A.	43.5975N	112.8270W	1513	From 1990-08-14
New River	NW2	California,U.S.A.	33.0905N	115.6920W	-68	From 1976-12-01
New Salem	NSLM	Texas,U.S.A.	31.9750N	94.9580W		
New Underwood	I26A	South Dakota,U.S.A.	44.0309N	102.8596W	971	From 2009-06-18
Neytrino	NEY	Russia	43.2489N	42.7222E	1715	From 2008-12-05
Ngariki Road	NRZ	North Island,New Zealand	39.3375S	173.9330E	250	From 1991-02-01
Ngau Island	GAU	Fiji	18.0817S	179.3296E	286	From 1978-05-01 to 1999-08-25
Ngauruhoe	NGZ	North Island,New Zealand	39.1769S	175.6010E	1430	From 1976-07-01
Ngawi	NGJI	Jawa,Indonesia	7.3676S	111.4612E	0	From 2007-12-01
NGMR	NGMR	Egypt	23.5217N	32.4074E	207	
Ngoundere	NGC	Cameroon	7.2617N	13.5683E	1100	From 1982-02-01
Nha Trang	NTV	Vietnam	12.2667N	109.1943E	5	
Nha-Trang	NHA	Vietnam	12.2100N	109.2120E	5	From 1957-06-01
Nhimo	NHIM	Xizang Zizhiqu,China	29.4336N	90.1643E	3822	From 2004-06-18
Niagara	NG-	Wisconsin,U.S.A.	45.7575N	88.1492W	396	From 1961-11-19 to 1963-06-14
Niagara	NG-WS	Wisconsin,U.S.A.	45.7575N	88.1492W	396	From 1961-11-19 to 1963-06-14
Nian	NIAN	Iran	27.5596N	56.8349E	248	From 2010-04-30
Nibetsu	NIB	Akita,Japan	39.8033N	140.2683E	243	
Nice - Cite Administrative des Alpes-Maritimes	NCAD	Provence-Cote d'Azur	43.6710N	7.2000E	5	From 2002-04-26
Nice, Eglise du Port	NPOR	Provence-Cote d'Azur	43.7000N	7.2860E	5	From 1990-01-01
Nice, Jardin Alsace-Lorraine	NALS	Provence-Cote d'Azur	43.6990N	7.2580E	6	From 1998-05-07
Nice, Liberation	NLIB	Provence-Cote d'Azur	43.7100N	7.2640E	18	From 1998-05-07
Nice, Mont Boron	NBOR	Provence-Cote d'Azur	43.6910N	7.3020E	191	From 1990-01-01
Nice, Saint-Roch	NROC	Provence-Cote d'Azur	43.7160N	7.2930E	22	From 1998-05-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Nichawak Mountain	NICHA	Alaska,U.S.A.	60.2366N	143.9672W	507	
Nicholson Point	NPT	Northwest Territories,Canada	69.9272N	128.9630W	60	From 1981-08-08
Nicolai Mountain	NLO	Oregon,U.S.A.	46.0883N	123.4500W	900	
Nicolau / Grandola	PNCL	Portugal	38.1118N	8.5289W	120	From 2008-09-26
Nicolosi	ENLS	Sicily,Italy	37.6060N	15.0243E	666	From 2002-10-01
Nicolosi	ENCS	Sicily,Italy	37.6390N	15.0050E	958	From 1994-10-01
Nicolosi	ENIC	Italy	37.6314N	15.0216E	882	From 2006-03-08
Nicosia	NIC	Cyprus	35.1564N	33.3450E	166	
NICOSIA -NORTH CYPRUS	CMET	Cyprus	35.1960N	33.3630E	134	From 2006-10-17
Nicoya	AR8	Costa Rica	10.1925N	85.5206W	511	
Niedersach Riedel	NRDL	Niedersachsen,Germany	52.4943N	10.1073E	-355	
Niedzica	NIE	Poland	49.4189N	20.3131E	649	
Nigde	BSTP	Turkey	37.9508N	34.1100E	1318	From 2005-02-25
Nigde	NIG	Turkey	38.1100N	34.6100E	2291	
Niigata	NII	Niigata,Japan	37.9100N	139.0520E	3	
Niigata 2	NIIJ	Niigata,Japan	37.2400N	139.0020E	31	From 1978-01-01
Niihama	NHM	Ehime,Japan	33.9500N	133.2500E		
Nii jima	NJJ	Bonin Islands,Japan	34.3667N	139.2500E	50	
Nii jima 2	NJJJ	Bonin Islands,Japan	34.4020N	139.2830E	180	From 1988-01-01
Niijimaoohara	JNIO	Japan	34.3560N	139.2742E	57	From 2010-02-01
Nijar	ENIJ	Spain	36.9717N	2.2069W	440	From 1985-04-01
Nikishka	NKA	Alaska,U.S.A.	60.7431N	151.2380W	100	From 1971-09-10
Nikkaluokta	NIKU	Sweden	67.8673N	19.0347E	300	From 2003-08-24
Nikolaevsk School	NHSA	Alaska,U.S.A.	59.8111N	151.6127W	256	
Nikolayevsk	NKL	Khabarovskiy Kray,Russia	53.1500N	140.6800E	15	
Nikolski	NKI	Alaska,U.S.A.	52.9426N	168.8570W	8	
Nikolski	NIKO	Alaska,U.S.A.	52.9738N	168.8539W	8	
Nikolski	NIK	Alaska,U.S.A.	52.9743N	168.8530W	207	From 1971-05-17
Nikolski High Hill	NIKH	Alaska,U.S.A.	52.9731N	168.8530W	199	
Niksic	NKME	Montenegro	42.7670N	18.9530E	688	From 2009-06-04
Niksic	NKY	Montenegro	42.8130N	18.9932E	1142	From 1983-12-25
Niles Canyon	CNIC	California,U.S.A.	37.6079N	121.9646W	393	
Nilore	NIL	Pakistan	33.6500N	73.2517E	536	From 1994-12-19
Nine Bar Ranch, Gage	U31A	Oklahoma,U.S.A.	36.3695N	99.8508W	725	From 2009-04-07
Nine Mile Canyon	NMC	California,U.S.A.	35.8428N	117.9048W	951	
Nine Mile Canyon	WNMM	California,U.S.A.	35.8428N	117.9048W		
Ninemile Creek	NCM	Montana,U.S.A.	47.1802N	114.5660W	1183	From 1983-06-15
Ninemile Divide	NDMT	Montana,U.S.A.	47.2690N	114.7988W	1917	
Nine Sixteen Ranch, Cliff	Z20A	New Mexico,U.S.A.	33.1132N	108.5922W	1547	From 2008-02-20
Ninganchiao	NACB	Taiwan region	24.1738N	121.5947E	130	
Niniconang	NINI	Sulawesi,Indonesia	4.4225S	119.7560E	1463	
Ninilchik	NNL	Alaska,U.S.A.	60.0422N	151.2960W	366	From 1972-08-24
Ninilchik One	NIN	Alaska,U.S.A.	60.0111N	151.5360W	110	From 1971-08-28 to 1972-08-24
Ninotsminda	NTS	Georgia	41.7410N	45.2865E	915	From 2003-01-01
Niobrara River	NR-	Nebraska,U.S.A.	42.8197N	101.7011W	975	
Niobrara River	NR-NB	Nebraska,U.S.A.	42.8197N	101.7011W	975	
Nioudou	ENTT	Taiwan region	24.6400N	121.5660E	280	
Nirayama	NRY	Shizuoka,Japan	35.0599N	138.9628E	-91	
Nirehara	NRJ	Toyama,Japan	36.5133N	137.2384E	220	
Nishiizu	NSI	Shizuoka,Japan	34.7870N	138.8040E	-422	
Nishinai	K01	Iwate,Japan	39.3989N	141.6053E	431	
Nisiros	NISR	Greece	36.6117N	27.1283E	48	
Nisos Aigina	NAIG	Greece	37.7585N	23.4887E	221	
Nisos Salamina	NSAL	Greece	37.9066N	23.4633E	190	
Nissan Island	NIS	New Britain,Papua New Guinea	4.5300S	154.2383E	10	From 1971-08-01
Nisyros Isl.	NIS1	Greece	36.6023N	27.1782E	378	From 2008-05-24
Nisyros Isl.	NIS2	Greece	36.5780N	27.1808E	400	From 2009-03-23
Nisyros Isl.	NIS3	Greece	36.5742N	27.1557E	271	From 2009-03-23
Nisyros Isl.	NIS4	Greece	36.6717N	27.1314E	0	From 2009-03-23
Niue	NUE	Cook Islands	19.0764S	169.9280W	56	From 1973-04-15
Niue	NIUE	Australasia	19.0763S	169.9272W	108	From 2007-09-20
Niukaw	JGN	Gifu,Japan	36.2232N	137.3153E	775	
Niumate	NIU	Tonga	21.1600S	175.2900W	15	
Nizh Angarsk	NIZ	Buryatiya,Russia	55.7750N	109.5411E	487	
N'lazarevskaya	NVL	Dronning Maud Land	70.7667S	11.8333E	107	
NNAL	NNAL	Egypt	23.2931N	32.6645E	233	
No. 579 Westminster Ave.	OTWM	Ontario,Canada	45.3824N	75.7628W	69	From 2001-11-08
NOAA--Sand Point	NOWS	Washington,U.S.A.	47.6867N	122.2559W	2	
Noah's Angus Ranch, Cambridge	H10A	Idaho,U.S.A.	44.5890N	116.7474W	882	From 2006-10-28 to 2008-07-09
Nobeoka	NOB	Miyazaki,Japan	32.5783N	131.6600E	20	
Noboribetsu	JNB	Iburi,Japan	42.4687N	141.0383E	110	
Noci	NOCI	Italy	40.7888N	17.0644E	420	From 2005-08-03
Nodinka Narrows	NODN	Northwest Territories,Canada	63.9607N	110.9601W	435	
Noerdlinger Ries-Bissingen	NORI	Bayern,Germany	48.7203N	10.6250E	492	From 2003-06-10
Nojiri	NOJ	Kagoshima,Japan	31.5586N	130.6386E	150	
Nola	NL9	Italy	40.9205N	14.5450E	75	From 1992-01-01
Nome	NOM	Alaska,U.S.A.	64.5617N	165.3870W		
Nome	ANM	Alaska,U.S.A.	64.5655N	165.3720W	330	
Nongplab	NNT	Thailand	12.5898N	99.7338E	106	From 1982-11-01
Nongstoin	NGNA	Meghalaya,India	25.5217N	91.2720E		
Nonn-Bad Reichenhall	RNON	Bayern,Germany	47.7405N	12.8671E	555	From 2000-05-24
Nono	NONO	Ecuador	0.0557S	78.5780W	2972	
Nonsavu	MSVF	Fiji	17.7333S	178.0500E	783	From 1994-05-24
Nopah Range	NOP	California,U.S.A.	36.1271N	116.1522W	983	From 1978-07-24 to 2002-12-10
Nora	NRAU	Sweden	59.5704N	15.0401E	150	From 2002-01-29
Noranda	NRMS	Missouri,U.S.A.	36.4870N	89.5880W	88	
Nor Artik	NARZ	Armenia	40.4650N	43.7160E	1550	
Norcasia	NORC	Colombia	5.5964N	74.8929W	508	
Norcia	NRCA	Italy	42.8336N	13.1143E	927	
Nord	NOR	Greenland	81.6000N	16.6833W	36	From 1957-01-01 to 1972-04-22
Norderasen	NOD	Sweden	63.4428N	14.8573E	450	
Nord Galaele Koma	BEAD	Djibouti	11.5715N	42.5277E	10	From 1987-01-01
Nordlingen	NRD	Bayern,Germany	48.8500N	10.4833E	432	From 1912-01-01 to 1931-12-31
Nordman	NTI	Idaho,U.S.A.	48.6300N	116.9630W	823	From 1967-08-27 to 1975-12-08
Nordsjona	N1R3	Norway	66.3370N	13.4060E	68	
NORESS Array Beam Reference Point	NORES	Norway	60.7353N	11.5414E	302	
NORESS Array Site A0	NRA0	Norway	60.7353N	11.5414E	302	From 1984-10-01 to 2002-06-11
NORESS Array Site A1	NRA1	Norway	60.7366N	11.5423E	291	From 1984-10-01 to 2002-06-11
NORESS Array Site A2	NRA2	Norway	60.7343N	11.5434E	311	From 1984-10-01 to 2002-06-11
NORESS Array Site A3	NRA3	Norway	60.7350N	11.5387E	296	From 1984-10-01 to 2002-06-11
NORESS Array Site B1	NRB1	Norway	60.7381N	11.5426E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site B2	NRB2	Norway	60.7355N	11.5475E	315	From 1984-10-01 to 2002-06-11
NORESS Array Site B3	NRB3	Norway	60.7326N	11.5440E	314	From 1984-10-01 to 2002-06-11
NORESS Array Site B4	NRB4	Norway	60.7333N	11.5372E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site B5	NRB5	Norway	60.7367N	11.5364E	289	From 1984-10-01 to 2002-06-11
NORESS Array Site C1	NRC1	Norway	60.7414N	11.5434E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site C2	NRC2	Norway	60.7383N	11.5525E	339	From 1984-10-01 to 2002-06-11
NORESS Array Site C3	NRC3	Norway	60.7331N	11.5533E	352	From 1984-10-01 to 2002-06-11
NORESS Array Site C4	NRC4	Norway	60.7293N	11.5452E	311	From 1984-10-01 to 2002-06-11
NORESS Array Site C5	NRC5	Norway	60.7301N	11.5341E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site C6	NRC6	Norway	60.7348N	11.5287E	303	From 1984-10-01 to 2002-06-11
NORESS Array Site C7	NRC7	Norway	60.7402N	11.5331E	275	From 1984-10-01 to 2002-06-11
NORESS Array Site D1	NRD1	Norway	60.7486N	11.5449E	305	From 1984-10-01 to 2002-06-11
NORESS Array Site D2	NRD2	Norway	60.7444N	11.5616E	372	From 1984-10-01 to 2002-06-11
NORESS Array Site D3	NRD3	Norway	60.7359N	11.5689E	453	From 1984-10-01 to 2002-06-11
NORESS Array Site D4	NRD4	Norway	60.7271N	11.5633E	379	From 1984-10-01 to 2002-06-11
NORESS Array Site D5	NRD5	Norway	60.7222N	11.5475E	348	From 1984-10-01 to 2002-06-11
NORESS Array Site D6	NRD6	Norway	60.7233N	11.5288E	352	From 1984-10-01 to 2002-06-11
NORESS Array Site D7	NRD7	Norway	60.7302N	11.5162E	337	From 1984-10-01 to 2002-06-11
NORESS Array Site D8	NRD8	Norway	60.7390N	11.5168E	301	From 1984-10-01 to 2002-06-11
NORESS Array Site D9	NRD9	Norway	60.7466N	11.5266E	278	From 1984-10-01 to 2002-06-11
NORESS Array Site E0	NRE0	Norway	60.7353N	11.5414E	307	From 1984-10-01 to 2002-06-11
Norfolk	NRFK	Norfolk Island,Australia	29.0400S	167.9630E	196	
Norfolk Island	NFK	Norfolk Island,Australia	29.0433S	167.9388E	203	From 2008-07-10
Norfolk Island	NIA	Norfolk Island,Australia	29.0417S	167.9600E	130	From 1969-12-01 to 1977-05-26
Noril'sk	NRIK	Krasnoyarskiy Kray,Russia	69.3000N	87.5000E	0	
Noril'sk	NRI	Krasnoyarskiy Kray,Russia	69.4300N	88.0830E	44	
Noril'sk	NRIL	Krasnoyarskiy Kray,Russia	69.5049N	88.4414E	92	
Noril'sk	NRIS	Krasnoyarskiy Kray,Russia	69.0061N	87.9964E	498	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Norman	NMO	Oklahoma,U.S.A.	35.2056N	97.4440W	354	From 1975-01-01 to 1976-09-30
Norris Canyon Road	CNCM	California,U.S.A.	37.7560N	121.9900W	306	
Norris Junction	NJW	Wyoming,U.S.A.	44.7303N	110.6930W	2290	From 1972-10-01
Norris Junction	YNR	Wyoming,U.S.A.	44.7155N	110.6792W	2336	
Norrtaelje	NRTU	Sweden	59.6769N	18.6308E	40	From 2002-01-15
NORSAR 1A	NA0	Norway	60.8237N	10.8324E	379	From 1971-01-01
NORSAR Array Beam Reference Point	NOA	Norway	61.0397N	11.2148E	717	
NORSAR Array Site 01A00	NAO00	Norway	60.8237N	10.8324E	379	
NORSAR Array Site 01A01	NAO01	Norway	60.8442N	10.8865E	426	
NORSAR Array Site 01A02	NAO02	Norway	60.8057N	10.8971E	362	
NORSAR Array Site 01A03	NAO03	Norway	60.7881N	10.8084E	223	
NORSAR Array Site 01A04	NAO04	Norway	60.8105N	10.7625E	297	
NORSAR Array Site 01A05	NAO05	Norway	60.8507N	10.8193E	290	
NORSAR Array Site 01B00	NBO00	Norway	61.0307N	10.7777E	529	
NORSAR Array Site 01B01	NBO01	Norway	61.0616N	10.7834E	596	
NORSAR Array Site 01B02	NBO02	Norway	61.0492N	10.8569E	521	
NORSAR Array Site 01B03	NBO03	Norway	61.0129N	10.8371E	429	
NORSAR Array Site 01B04	NBO04	Norway	61.0119N	10.7524E	398	
NORSAR Array Site 01B05	NBO05	Norway	61.0597N	10.7219E	553	
Norsar Array Site 01C00	NCO	Norway	61.3371N	10.5856E	974	From 1971-04-01 to 1976-10-31
NORSAR Array Site 02B00	NB200	Norway	61.0397N	11.2148E	717	
NORSAR Array Site 02B01	NB201	Norway	61.0495N	11.2939E	613	
NORSAR Array Site 02B02	NB202	Norway	61.0069N	11.2778E	647	
NORSAR Array Site 02B03	NB203	Norway	61.0107N	11.1677E	730	
NORSAR Array Site 02B04	NB204	Norway	61.0498N	11.1581E	670	
NORSAR Array Site 02B05	NB205	Norway	61.0710N	11.1977E	637	
NORSAR Array Site 02C00	NC200	Norway	61.2807N	10.8354E	847	
NORSAR Array Site 02C01	NC201	Norway	61.2988N	10.9138E	1033	
NORSAR Array Site 02C02	NC202	Norway	61.2545N	10.9110E	2054	
NORSAR Array Site 02C03	NC203	Norway	61.2438N	10.8318E	714	
NORSAR Array Site 02C04	NC204	Norway	61.2759N	10.7629E	851	
NORSAR Array Site 02C05	NC205	Norway	61.3231N	10.8227E	958	
NORSAR Array Site 03C00	NC300	Norway	61.2617N	11.4141E	366	
NORSAR Array Site 03C01	NC301	Norway	61.2762N	11.4905E	290	
NORSAR Array Site 03C02	NC302	Norway	61.2328N	11.4726E	300	
NORSAR Array Site 03C03	NC303	Norway	61.2251N	11.3690E	401	
NORSAR Array Site 03C04	NC304	Norway	61.2784N	11.3320E	393	
NORSAR Array Site 03C05	NC305	Norway	61.2979N	11.4035E	312	
NORSAR Array Site 04C00	NC400	Norway	61.0791N	11.7189E	522	
NORSAR Array Site 04C01	NC401	Norway	61.0804N	11.7994E	583	
NORSAR Array Site 04C02	NC402	Norway	61.0446N	11.7573E	450	
NORSAR Array Site 04C03	NC403	Norway	61.0537N	11.6683E	304	
NORSAR Array Site 04C04	NC404	Norway	61.0982N	11.6456E	332	
NORSAR Array Site 04C05	NC405	Norway	61.1128N	11.7153E	496	
NORSAR Array Site 06C00	NC600	Norway	60.7473N	11.4584E	321	
NORSAR Array Site 06C01	NC601	Norway	60.7746N	11.5416E	248	
NORSAR Array Site 06C02	NC602	Norway	60.7353N	11.5414E	305	
NORSAR Array Site 06C03	NC603	Norway	60.7050N	11.4807E	340	
NORSAR Array site 06C04	NC604	Norway	60.7263N	11.3956E	378	
NORSAR Array Site 06C05	NC605	Norway	60.7770N	11.4103E	242	
NORSAR Subarray 10C Beam Reference Point	N10	Norway	60.4695N	10.2999E	403	From 1971-01-01 to 1976-10-01
NORSAR Subarray 11C Beam Reference Point	N11	Norway	60.6171N	10.2497E	242	From 1971-01-01 to 1976-10-01
NORSAR Subarray 12C Beam Reference Point	N12	Norway	60.7729N	9.9845E	637	From 1971-01-01 to 1976-10-01
NORSAR Subarray 13C Beam Reference Point	N13	Norway	61.0498N	9.8861E	919	From 1971-01-01 to 1976-10-01
NORSAR Subarray 14C Beam Reference Point	N14	Norway	61.1869N	10.2729E	492	From 1971-01-01 to 1976-10-01
NORSAR Subarray 1A Beam Reference Point	NAO	Norway	60.8237N	10.8324E	379	From 1971-01-01
NORSAR Subarray 1B Beam Reference Point	NBO	Norway	61.0307N	10.7777E	529	From 1971-04-01
NORSAR Subarray 2B Beam Reference Point	NB2	Norway	61.0397N	11.2148E	717	From 1971-04-01
NORSAR Subarray 2C Beam Reference Point	NC2	Norway	61.2807N	10.8354E	847	From 1971-04-01
NORSAR Subarray 3B Beam Reference Point	NB3	Norway	60.9130N	11.2696E	529	From 1971-04-01 to 1976-10-31
NORSAR Subarray 3C Beam Reference Point	NC3	Norway	61.2617N	11.4141E	366	From 1971-04-01
NORSAR Subarray 4B Beam Reference Point	NB4	Norway	60.6738N	11.1881E	239	From 1971-04-01 to 1976-10-31
NORSAR Subarray 4C Beam Reference Point	NC4	Norway	61.0791N	11.7189E	522	From 1971-04-01
NORSAR Subarray 5B Beam Reference Point	NB5	Norway	60.6224N	10.8369E	428	From 1971-04-01 to 1976-10-31
NORSAR Subarray 5C Beam Reference Point	NC5	Norway	60.9468N	11.8004E	425	From 1971-04-01 to 1976-10-31
NORSAR Subarray 6B Beam Reference Point	NB6	Norway	60.7300N	10.4589E	630	From 1971-04-01 to 1976-10-31
NORSAR Subarray 6C Beam Reference Point	NC6	Norway	60.7473N	11.4584E	321	From 1971-04-01
NORSAR Subarray 7B Beam Reference Point	NB7	Norway	60.9200N	10.4658E	759	From 1971-04-01 to 1976-10-31
NORSAR Subarray 7C Beam Reference Point	NC7	Norway	60.4553N	11.4988E	221	From 1971-04-01 to 1976-10-31
NORSAR Subarray 8C Beam Reference Point	NC8	Norway	60.4756N	11.0868E	480	From 1971-04-01 to 1976-10-31
NORSAR Subarray 9C Beam Reference Point	NC9	Norway	60.4094N	10.6038E	478	From 1971-04-01 to 1976-10-31
North	AR9	Costa Rica	10.4717N	84.7286W	658	From 1975-07-13
North Anna	NA5	Virginia,U.S.A.	38.0108N	77.7365W	76	From 1978-08-01 to 2004-09-30
North Anna	NA2	Virginia,U.S.A.	38.1279N	77.7401W	99	From 1978-10-01 to 1999-08-25
North Anna	NA11	Virginia,U.S.A.	37.9831N	77.6850W		
North Anna	NA12	Virginia,U.S.A.	37.9882N	77.8770W	134	From 1978-08-01
North Anna 1	NV1	Virginia,U.S.A.	38.0618N	77.7870W		From 1974-01-01 to 1999-08-25
North Anna 2	NV2	Virginia,U.S.A.	38.0628N	77.8503W		From 1974-01-01 to 1999-08-25
North Anna 3	NV3	Virginia,U.S.A.	38.0983N	77.8093W		From 1974-01-01 to 1999-08-25
North Anna 4	NV4	Virginia,U.S.A.	38.0268N	77.7808W		From 1974-01-01 to 1999-08-25
North Anna 5	NV5	Virginia,U.S.A.	38.0537N	77.7365W		From 1974-01-01 to 1999-08-25
North Anna 6	NV6	Virginia,U.S.A.	38.0913N	77.7782W		From 1974-01-01 to 1999-08-25
North Anna 7	NV7	Virginia,U.S.A.	38.0227N	77.8570W		From 1974-01-01 to 1999-08-25
North Bay	NBH	Hawaii,U.S.A.	19.4950N	155.5800W	1221	From 1964-03-12 to 1968-07-05
North Branch	NB-MN	Minnesota,U.S.A.	45.5328N	92.8475W	259	
North Branch	NB-	Minnesota,U.S.A.	45.5328N	92.8475W	259	
North Capps Glacier	NCG	Alaska,U.S.A.	61.4037N	152.1570W	1244	From 1989-08-07
North Carolina A&T Campus	NCAT	North Carolina,U.S.A.	36.0790N	79.7712W	243	
North Crescent	NCT	Alaska,U.S.A.	60.5617N	152.9300W	1166	From 1988-08-14
North Egmont	NEZ	North Island,New Zealand	39.2719S	174.0960E	920	From 1985-04-17
Northern Antelope Island	NAIU	Utah,U.S.A.	41.0162N	112.2280W	1472	From 1991-11-13
Northern Marianas College	NMCC	Mariana Islands	15.1500N	145.7160E	100	From 1992-05-01
Northfield	NRT	Vermont,U.S.A.	44.1667N	72.6833W	256	
North Gasline	NGL	Alaska,U.S.A.	60.8208N	149.9980W	122	
North Gisborne	NOZ	North Island,New Zealand	38.6180S	178.0370E	60	From 1990-03-05
North Grampians	GOGM	Victoria,Australia	36.8882S	142.3996E	265	
North Greenland Eemian Ice Drilling site	NEEM	Greenland	77.4450N	51.0650W	2454	From 2007-08-22
North Hampton	NHS	South Carolina,U.S.A.	33.0717N	79.7556W	10	From 1974-05-20 to 1980-12-31
North Hollywood	HLLC	California,U.S.A.	34.1764N	118.3597W	193	
North Isle of Man	GIM	Isle of Man,United Kingdom	54.2923N	4.4670W	366	From 1989-01-01
North Kanaga	AD7	Alaska,U.S.A.	51.9000N	177.0900W	244	From 1974-01-01 to 1992-02-01
North Lily Mine	NLU	Utah,U.S.A.	39.9548N	112.0750W	2036	
North Marawa	ANMR	Egypt	23.7340N	32.5626E	185	
North Mineral Mountain	NMUT	Utah,U.S.A.	38.5165N	112.8500W	1853	From 1987-10-01
North-of-Casa	NOCG	California,U.S.A.	37.6875N	118.9190W	2475	From 1984-07-01
North Oquirrh Mountains	NOQ	Utah,U.S.A.	40.6525N	112.1200W	1622	
North Padre Island, Corpus Christi	936A	Texas,U.S.A.	27.4208N	97.3091W	-3	From 2010-01-13
North Pahroc Range	NPN	Nevada,U.S.A.	37.6529N	114.9370W	1664	
North Pahute Mesa	NPM	Nevada,U.S.A.	37.3839N	116.3230W	2250	From 1975-09-01
North Pit	NPH	Hawaii,U.S.A.	19.4150N	155.2830W	1115	From 1958-07-01
North Pocatello Valley	NPI	Idaho,U.S.A.	42.1473N	112.5180W	1640	From 1975-04-01
North Pole	NP-	Northwest Territories,Canada	76.2522N	119.3717W	59	
Northport	A10A	Washington,U.S.A.	48.9813N	117.5586W	688	From 2006-08-30 to 2008-06-14
North Rainier Mesa	NRM	Nevada,U.S.A.	37.2744N	116.2060W	2210	From 1975-09-01 to 1981-12-31
North Reno	NRR	Nevada,U.S.A.	39.5720N	119.8490W	1634	From 1964-04-09
North Rim	U15A	Arizona,U.S.A.	36.4280N	112.2915W	2489	From 2007-05-16
North River	NRA	Alaska,U.S.A.	63.8918N	160.5140W	105	From 1976-08-01 to 1978-08-31
North Stansbury	NSU	Utah,U.S.A.	40.9082N	112.5060W	1422	From 1976-10-01 to 2004-03-05
North Stonington	NSC	Connecticut,U.S.A.	41.4808N	71.8516W	110	From 1977-06-27 to 1999-01-31
North Tanaga	AT3	Alaska,U.S.A.	51.8067N	177.8200W	350	From 1975-01-01 to 1976-10-31
North Tanaga	AK0	Alaska,U.S.A.	51.7790N	176.8800W	152	
North Tanaga	AK3	Alaska,U.S.A.	51.8067N	177.8200W	350	From 1976-10-01 to 1992-02-01
North Tanaga	AK5	Alaska,U.S.A.	51.8040N	176.8920W	0	
North Woods Club	NWC	New York,U.S.A.	43.8450N	74.1502W		From 1986-10-01
Norton	NNK	Kansas,U.S.A.	39.9363N	100.0420W	732	From 1979-03-01 to 1981-12-31
Nottersdorf	NOTT	Bayern,Germany	49.8110N	12.1223E	490	
Nou	NOUE	Niigata,Japan	37.0480N	138.0309E	240	
Noumea	NOU	New Caledonia	22.3100S	166.4510E	105	From 1960-01-01
Noumea	LASL	New Caledonia	22.2310S	166.5400E	11	From 2007-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Noumea	NOC	New Caledonia	22.2839S	166.4320E	5	From 1986-12-09 to 1987-10-27
Noumea	NORM	New Caledonia	22.2280S	166.4840E	97	From 2007-01-01
Noumea	MVNO	New Caledonia	22.2700S	166.4420E	0	From 2007-01-01
Noumea	ONTRN	New Caledonia	22.3070S	166.4540E	116	From 2007-04-01
NOV1	NOV1	Switzerland	46.3888N	6.8138E	465	From 2010-02-09
NOV2	NOV2	Switzerland	46.3718N	6.8739E	375	From 2010-02-09
NOV3	NOV3	Switzerland	46.4337N	6.9403E	1091	From 2010-02-09
Nova Friburgo	CAM4	Rio de Janeiro,Brazil	22.3568S	42.5653W	2000	
Novalja	NVLJ	Croatia	44.5635N	14.8711E	20	
Novara	NOV	Sicily,Italy	38.0278N	15.1367E	775	
Nova Varos 1	NOVS	Serbia	43.4485N	19.8216E	0	
Nova Varos 2	NVSS	Serbia	43.5077N	19.7005E	0	
Novellara	NOVE	Italy	44.7982N	10.7161E	16	From 2003-05-20
Novi Di Modena	ROCE	Italy	44.9000N	10.9242E	17	
Novodnistrovsk	NDNU	Ukraine	48.5947N	27.3664E	242	From 2006-07-27
Novokhopersk	VRHR	Voronezhskaya Oblast',Russia	51.0955N	41.6246E	137	From 2003-11-01 to 2008-06-18
Novokhopyorsk	VRH	Voronezhskaya Oblast'	51.2025N	41.7215E	98	From 2008-06-19
Novosibirsk	NVS	Novosibirskaya Oblast',Russia	54.8404N	83.2346E	150	
Novy Kostel	NKC	Czech Republic	50.2331N	12.4479E	564	
Nowan	KSNOW	South Korea	37.6863N	127.0694E	130	From 2007-12-12
Now Shahr	NOSH	Iran	36.7000N	51.5000E	0	
NPP	NPPZ	Armenia	40.1670N	44.1330E	945	
NRDS	ADM	Nevada,U.S.A.	36.7697N	116.2850W	1033	From 1965-01-01 to 1970-12-31
Nsakai	JNG	Nagano,Japan	36.4067N	138.1000E	930	
NSKD	NSKD	Egypt	23.6599N	32.3861E	236	
Nu aruja	NARJ	Romania	45.8323N	26.7510E	581	
Nueva Concepcion	NCS	El Salvador	14.1015N	89.1795W	290	
Nuku'alofa	NUK	Tonga	21.1320S	175.2070W	10	From 1983-09-05
Nuku Hiva Island	TAOE	Marquesas archipelago	8.8549S	140.1482W	812	From 2004-12-01
Nukus	NUKS	Uzbekistan	42.3500N	59.7700E	73	
Numazu	NUM	Shizuoka,Japan	35.1000N	138.8500E	6	
Nunatak	NTK	Alaska,U.S.A.	59.8777N	139.0350W	1050	From 1974-09-09 to 1975-10-31
Nunuq Camp, NU	NUNN	Nunavut,Canada	65.2146N	91.0784W	229	From 2007-08-16
Nurata	NUT	Uzbekistan	40.5500N	65.6833E	524	
Nurek	NRK	Tajikistan	38.4000N	69.3333E		
Nurmija@14rvi	NE61	Finland	60.5090N	24.6490E	105	
Nurmija@14rvi	NUR	Finland	60.5090N	24.6490E	102	From 1957-01-01
Nurpur	NURP	Himachal Pradesh,India	32.2667N	75.8967E		
Nutrioso	Y19A	Arizona,U.S.A.	33.9571N	109.2541W	2448	From 2007-04-04 to 2009-02-21
Nuugaatsiaq	NUUG	Greenland	71.5386N	53.2001W	40	From 2010-07-01
Nuuk	NUUK	Komi	64.1800N	51.7300W	0	From 2010-09-09
Nuxco	NUXM	Guerrero,Mexico	17.2108N	100.7547W	80	
NWS Agricenter	NAIT	Tennessee,U.S.A.	35.1297N	89.8036W	104	
Nyala	NYA	Sudan	12.0475N	24.9022E	651	From 1980-04-17 to 1982-12-31
Nyarlorinc	PKSN	Hungary	46.8972N	19.8673E	110	
Nye Farm, Monte Vista	S23A	Colorado,U.S.A.	37.7059N	106.0023W	2323	From 2008-06-07
Nyeri	NYRK	Kenya	0.4290S	36.9370E	1902	From 1997-04-01 to 1997-09-30
Nykoping	NYK	Sweden	58.9240N	17.0910E	33	From 1980-01-01
Nylenda	INYL	Iceland	63.9740N	22.7380W	7	From 1997-02-06
Nynaeshamn	NYNU	Sweden	59.0047N	18.0042E	20	From 2002-01-25
Nyzhne Selyshche	NSLU	Ukraine	48.1976N	24.4571E	250	From 2008-01-01
Oacoma	I30A	South Dakota,U.S.A.	43.9143N	99.4262W	549	From 2009-06-16
Oahu Island	OA-	Hawaii,U.S.A.	21.4575N	157.9964W	183	From 1962-03-30 to 1962-11-05
Oahu Island	OA-IS	Hawaii,U.S.A.	21.4575N	157.9964W	183	From 1962-03-30 to 1962-11-05
Oakfield	OAK	New York,U.S.A.	43.0570N	78.3372W	259	From 1971-09-01 to 1974-11-30
Oak Flat	WOFM	California,U.S.A.	35.5354N	118.7135W	1306	
Oak Grove	OKG	Tennessee,U.S.A.	35.6260N	89.8350W	129	From 1975-06-27 to 1992-02-29
Oak Harbor	OHW	Washington,U.S.A.	48.3233N	122.5320W	54	From 1975-05-16
Oakhill	ONH	New Hampshire,U.S.A.	43.2792N	71.5056W	280	From 1975-12-01
Oakley	Q29A	Kansas,U.S.A.	38.8905N	100.9787W	895	From 2009-05-12
Oak Ridge	ORT	Tennessee,U.S.A.	35.9095N	84.3048W	370	From 1967-06-01
Oak Springs Butte	OB-NV	Nevada,U.S.A.	37.2358N	116.0525W	1731	
Oak Springs Butte	OB3NV	Nevada,U.S.A.	37.2325N	116.0542W	1609	
Oak Springs Butte	OB2NV	Nevada,U.S.A.	37.2253N	116.0578W	1542	
Oamaru	OMZ	South Island,New Zealand	45.0706S	170.9150E	95	From 1969-10-16 to 1990-07-31
Oasis	OAS	Antofagasta,Chile	23.2006S	69.7139W	1340	
Oasis-Bungera	OBA	Queen Mary Land	66.1667S	100.7330E	24	
Oasis Ranch, Spearman	U29A	Texas,U.S.A.	36.4519N	101.2702W	928	From 2009-04-20
Oaxaca	GUO	Oaxaca,Mexico	16.0987N	97.0610W	244	
Oaxaca	OXBJ	Oaxaca,Mexico	17.0673N	96.7240W	1700	From 2009-02-16
Oaxaca	YOO	Oaxaca,Mexico	17.7500N	97.8250W	1600	
Oaxaca	AZO	Oaxaca,Mexico	15.9660N	97.4080W		
Oaxaca	OAX	Oaxaca,Mexico	17.0203N	96.7628W	1570	
Oaxaca	LAGM	Oaxaca,Mexico	16.1042N	97.0778W	201	
Oaxaca	OXX	Oaxaca,Mexico	17.0817N	96.7233W	1730	From 1984-01-01
Oaxaca	PXO	Oaxaca,Mexico	15.7478N	96.3030W	25	
Obama	SWAJ	Nagasaki,Japan	32.6775N	130.2022E	257	
Oban	OBZ	Stewart Island,New Zealand	46.9050S	168.1150E	26	From 1976-09-17 to 2003-08-15
Obara	JAO	Gifu,Japan	35.2667N	137.2583E	600	
Obergurgl	OGA	Austria	46.8678N	11.0253E	1934	From 1975-09-01
Oberlin	OBK	Kansas,U.S.A.	39.9288N	100.4390W	792	From 1979-03-01 to 1981-12-31
Oberstdorf	OBER	Bayern,Germany	47.4070N	10.2934E	1000	From 2002-03-18
Obertriebel	TRIB	Sachsen,Germany	50.3517N	12.1370E	510	From 2001-12-19
Obi Garm	OBG	Tajikistan	38.7167N	69.7167E	1350	
Obihiro	OBI	Tokachi,Japan	42.9200N	143.2167E	39	
Obir	OBKA	Austria	46.5092N	14.5489E	1074	
Obispado Ponce	OBIP	Puerto Rico	18.0428N	66.6062W	102	
Obninsk	OBN	Kaluzhskaya Oblast',Russia	55.1138N	36.5687E		
Obock	OBO	Djibouti	11.9853N	43.2917E	40	From 1973-06-01
Observation Rock	OBSR	Washington,U.S.A.	46.8997N	121.8153W	2382	
Observatory	POB1	Scotland,United Kingdom	55.8458N	4.4299W	34	From 1992-01-01
Observatory	OBSV	South Africa	26.1850S	28.0740E	1815	From 2009-10-19
Obsidian Butte	OBB	California,U.S.A.	33.1673N	115.6370W	-59	From 1973-04-16
O'Byrne Ferry	MOYM	California,U.S.A.	37.9000N	120.5670W	176	From 1972-04-19
Ocana	OCAC	Colombia	8.2388N	73.3193W	1264	
Ocean Bottom Seismometer	OBS	California,U.S.A.	38.0920N	124.5440W	-3840	From 1966-01-01 to 1972-12-31
Ocean Falls	OFB	British Columbia,Canada	52.3540N	127.6843W	75	
Oceanview	VEW	South Carolina,U.S.A.	32.7177N	79.9415W	-60	
Oceanview Est	OVEH	Hawaii,U.S.A.	19.1535N	155.7653W	1378	
Ochomogo	OCM	Costa Rica	9.8948N	83.9608W	1660	
O'Connell Ranch	OCR	California,U.S.A.	36.9172N	121.5080W	98	From 1967-06-26
O'Connell Ranch	HORM	California,U.S.A.	36.9172N	121.5080W	98	From 1967-06-26
Ocos	OCG	Guatemala	14.5655N	92.1217W	8	From 1984-03-01 to 1988-12-31
Ocos 2	OC2	Guatemala	14.5605N	92.1862W	5	From 1986-07-01
Ocozocoautla	OZC	Chiapas,Mexico	16.7850N	93.3730W	864	
Octopus Mountain	OCWA	Washington,U.S.A.	47.7489N	124.1781W	671	
Octopus West	OOW	Washington,U.S.A.	47.7367N	124.1890W	743	
OCUMARITO	OCUV	Venezuela	10.1164N	66.8000W	248	From 2004-10-08
Oda	JJO	Shimane,Japan	35.1683N	132.5033E	60	
Odare	ODAN	Nepal	26.8600N	87.3900E	2045	From 1994-04-01
Odawara	JOD	Kanagawa,Japan	35.2648N	139.0908E	360	
Odawara 2	JOD2	Kanagawa,Japan	35.2632N	139.0882E	380	
Odda	ODD1	Norway	59.9120N	6.6280E	684	From 1987-12-03
Odda	ODD	Norway	59.9500N	6.6670E	630	From 1984-11-01 to 1987-12-02
Odesa	NE56	Ukraine	46.6760N	30.8990E	30	
Odessa	ODS	Washington,U.S.A.	47.3067N	118.7450W	524	From 1969-03-01
Odessa Site #2	OD2	Washington,U.S.A.	47.3910N	118.7110W	590	From 1989-06-01
Odiongan	OTRP	Panay,Philippines	12.3620N	122.0210E	120	
Odiongan	OTPR	Luzon,Philippines	12.3620N	122.0210E	120	
Od Khalfella	OKL	Morocco	32.2030N	9.1390W	122	
Odobesti	ODBI	Romania	45.7633N	27.0558E	181	From 2007-09-13
Odobesti	ODB	Romania	45.7747N	27.0561E	140	From 1979-01-01 to 1989-01-01
ODP1027	NC27	British Columbia,Canada	47.7627N	127.7579W	-2656	From 2009-09-01
ODP889	NC89	British Columbia,Canada	48.6705N	126.8488W	-1258	From 2009-09-01
Oestervaala	OSTU	Sweden	60.2298N	17.1342E	100	From 2001-12-20
Ofenpass-Fuorn	FUORN	Switzerland	46.6202N	10.2635E	2333	From 2000-09-28
'Ofer	OFRI	Israel	32.6210N	34.9850E	520	
Offenburg	OFBG	Baden-Wurttemberg,Germany	48.4453N	7.9770E	237	From 2001-11-15
Office Forets	ONF	Aquitaine,France	43.0950N	0.7160W		From 1985-02-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Offida	OFFI	Italy	42.9350N	13.6857E	320	From 2006-05-16
Oficina Alemania	OFA	Antofagasta,Chile	25.1525S	69.9500W	1000	From 1975-01-01
Ofunato	OFUJ	Iwate,Japan	39.0802N	141.6690E	180	From 1978-01-01
Ofunato	OFU	Iwate,Japan	39.0617N	141.7180E	37	
Oga	JOG	Akita,Japan	39.9043N	139.7770E	270	
Oga	OGH	Akita,Japan	39.9050N	139.7769E	354	
Oga 2	JOG2	Akita,Japan	39.9140N	139.7927E	140	
Ogallala	OGNE	Nebraska,U.S.A.	40.9451N	102.0330W	1054	
Ogasawara	OGS	Bonin Islands,Japan	27.0568N	142.2030E	20	From 1992-06-26
Ogden Bay	OGU	Utah,U.S.A.	41.2750N	111.9440W	1506	From 1975-09-01 to 1979-05-31
Ogdensburg	ODNJ	New Jersey,U.S.A.	41.0829N	74.6056W	187	From 2007-06-23
Ogdensburg	OGD	New Jersey,U.S.A.	41.0875N	74.5958W	-367	From 1961-12-12 to 1981-12-31
Ogeu	OGE	Aquitaine,France	43.1685N	0.4733W	440	
O'Grain Ranch, Modena	R13A	Utah,U.S.A.	38.1802N	113.9691W	1969	From 2007-06-08 to 2009-03-16
Ohakea	OHWZ	North Island	40.2056S	175.3151E	59	From 2011-03-29
Ohasama	JOM	Iwate,Japan	39.4730N	141.2923E	210	
Ohata	JOT	Aomori,Japan	41.3820N	141.0482E	80	
Ohdaira	OHD	Iburi,Japan	42.5262N	140.8425E	250	
O'Higgins	OHC	Antarctic Peninsula	63.3167S	57.9000W	20	
Ohinepanea	OPRZ	North Island,New Zealand	37.8461S	176.5547E	134	From 2007-02-22
Ohio Geological Survey, Columbus	OGSO	Ohio,U.S.A.	40.0568N	82.9654W	268	
Ohio State University	OSUO	Ohio,U.S.A.	39.9981N	83.0109W	226	
Ohio State University--Lima	OSLO	Ohio,U.S.A.	40.7390N	84.0250W	284	
Ohio State University--Mansfield	OSMO	Ohio,U.S.A.	40.7970N	82.5790W	420	
Ohio University	OUAO	Ohio,U.S.A.	39.3220N	82.0970W	217	
Ohira	OHJ	Tochigi,Japan	36.3600N	139.6924E	250	
Ohlone	OHLN	California,U.S.A.	38.0064N	122.2730W	-196	
Ohmine	OMJ	Nagano,Japan	36.6677N	138.1820E	506	
Ohrid	OHR	Former Yugoslav Rep. of Macedonia	41.1114N	20.7989E	739	From 1969-01-01
Oil Point	OPT	Alaska,U.S.A.	59.6528N	153.2300W	625	
Oio	OIZ	North Island,New Zealand	39.0467S	175.3925E	470	From 1992-09-01
Oishiyama	OIS	Wakayama,Japan	34.1053N	135.3270E	678	From 1966-01-07 to 1971-11-04
Oishiyama (A)	OIA	Wakayama,Japan	34.1031N	135.3200E	756	From 1971-08-10
Oishiyama (B)	OIB	Wakayama,Japan	34.0998N	135.3210E	776	From 1971-08-10
Oishiyama (C)	OIC	Wakayama,Japan	34.0989N	135.3170E	776	From 1971-08-10
Oita	OIT	Oita,Japan	33.2333N	131.6230E	5	
Oita 2	OIT2	Oita,Japan	33.2782N	131.4518E	460	From 1994-07-07
Oiwake	OIW	Nagano,Japan	36.3400N	138.5520E	1001	
Ojanco, Jaen	E033	Spain	38.3616N	2.9074W	687	From 2008-04-23 to 2010-02-28
Ojcow	OJC	Poland	50.2195N	19.7984E	391	From 1992-04-01
Ojen	OJEN	Spain	36.0993N	5.5408W	816	
Ojo de Agua	OJOS	El Salvador	13.8633N	89.2367W	645	From 1991-12-01
Okabe	OKB	Shizuoka,Japan	34.9500N	138.2538E	-30	
Okamoto-Ura	KV09	Miyazaki,Japan	32.0183N	130.7878E	280	
Okayama	OKA	Okayama,Japan	34.6817N	133.9150E	5	
Okayama	OKA1	Okayama,Japan	34.6583N	133.9180E	17	
Okayama 2	OKA2	Okayama,Japan	34.6417N	133.9520E	77	
Okha	OKH	Sakhalinskaya Oblast',Russia	53.5500N	142.9330E	24	
Okhotsk	OHTR	Khabarovskiy Kray,Russia	59.3586N	143.3308E	40	
Okhotsk	OKHT	Khabarovskiy Kray,Russia	59.3570N	143.2400E	2	From 2007-08-15
Okiep	OKP	South Africa,South Africa	29.6467S	17.9650E	936	
Okijuku	OKI	Ibaraki,Japan	36.0500N	140.2500E		
Okinoerabujima	JOKE	Ryukyu Islands,Japan	27.3612N	128.5708E	235	From 2010-02-01
Oklahoma City	OCO	Oklahoma,U.S.A.	35.5240N	97.4740W	351	From 1982-05-21
Oklahoma City	OKCFA	Oklahoma,U.S.A.	35.4153N	97.4514W	379	From 2008-04-22
OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA SSA	OKCSA	Oklahoma,U.S.A.	35.4055N	97.4380W	379	From 2008-04-22
Okla Sci Mus	OK004	Oklahoma,U.S.A.	35.5232N	97.4748W	352	
Okmok	OKAK	Alaska,U.S.A.	53.5790N	168.3578W	165	
Okmok Cone D	OKCD	Alaska,U.S.A.	53.4303N	168.1123W	459	
Okmok Cone E	OKCE	Alaska,U.S.A.	53.4270N	168.1643W	515	
Okmok Cone F	OKCF	Alaska,U.S.A.	53.3958N	168.1362W	685	
Okmok East Rim	OKER	Alaska,U.S.A.	53.4537N	168.0512W	956	
Okmok Mt. Idak	OKID	Alaska,U.S.A.	53.4774N	167.8162W	437	
Okmok Mt. Tulik	OKTU	Alaska,U.S.A.	53.3839N	168.0411W	646	
Okmok R'deer Pt	OKRE	Alaska,U.S.A.	53.5202N	168.1641W	422	
Okmok South	OKSO	Alaska,U.S.A.	53.3574N	168.1599W	460	
Okmok Steeple Pt	OKSP	Alaska,U.S.A.	53.2526N	168.2905W	608	
Okmok West Rim	OKWR	Alaska,U.S.A.	53.4347N	168.2056W	1017	
Okmok W'ng Wall	OKWE	Alaska,U.S.A.	53.4721N	168.2398W	445	
Okreek	J29A	South Dakota,U.S.A.	43.4061N	100.3253W	644	From 2009-09-18
Okuchi	JZO	Kagoshima,Japan	32.1400N	130.5985E	440	
Okuno	OKN	Shizuoka,Japan	34.9319N	139.0706E	140	
Okura	JOU	Yamagata,Japan	38.3655N	140.6640E	390	
Okushiri	OKS	Hiyama,Japan	42.0650N	139.4433E	35	From 1993-07-15
Okushiri--Matsue	JOSM	Hiyama,Japan	42.0827N	139.4752E	79	
Okushj	JOR	Hiyama,Japan	42.0667N	139.4450E	33	
Okuyama	OKY	Yamanashi,Japan	35.2273N	138.4212E	620	From 1978-06-01
Olander Ranch, Little River	R33A	Kansas,U.S.A.	38.3081N	97.9842W	497	From 2009-10-17
Olbia	OLB	Sardinia,Italy	40.9267N	9.4956E	5	
Oldbury-Upon-Severn	OLDB	England,United Kingdom	51.6609N	2.5515W	6	From 2009-07-14
Old Faithful	YPOF	Wyoming,U.S.A.	44.4525N	110.8413W	2260	From 1972-10-01 to 2004-03-05
Old Faithful	YFT	Wyoming,U.S.A.	44.4513N	110.8358W	2292	
Old Graveyard	OGTN	Tennessee,U.S.A.	36.4200N	89.4860W	91	
Old Harbor	OHAK	Kodiak Island,U.S.A.	57.2225N	153.2875W	77	
Old Mammoth Mine	OMM	California,U.S.A.	37.6185N	118.9923W	2750	
Old Woman Plateau	OWUT	Utah,U.S.A.	38.7800N	111.4240W	2568	From 1989-02-08
Oleftalsperre	OLFT	Germany	50.4939N	6.4202E	470	From 1988-06-01
Olema	NOLM	California,U.S.A.	38.0397N	122.7930W	30	From 1977-02-23
Olema	OLC	California,U.S.A.	38.0397N	122.7930W	30	From 1966-12-22 to 1977-02-23
Olintepeque	OLG	Guatemala	14.8977N	91.5077W	2855	
Olkaria	OLK	Kenya	0.8880S	36.3240E	1751	From 1995-03-01 to 1996-10-31
Olkaria West	OLWK	Kenya	0.8380S	36.2640E	1780	From 1996-10-01 to 1997-04-30
Ollague	OLL	Tarapaca,Chile	21.1750S	68.3717W	4000	From 1965-11-01 to 1999-08-25
Olmue	OLCH	Valparaiso,Chile	32.9939S	71.1728W	173	
Olney	OLIL	U.S.A.	38.7338N	88.0991W	150	
Olofstrom	OLF	Sweden	56.3080N	14.4700E	118	From 1980-01-01 to 1991-12-31
Olot	OLT	Spain	42.1443N	2.4743E	700	From 1986-01-01 to 2006-12-31
Olula del Rio	EXOR	Spain	37.3530N	2.2970W	520	
Olym-Cheeka Pk	OCP	Washington,U.S.A.	48.2979N	124.6252W	487	
Olym-F Res Ctr	OFR	Washington,U.S.A.	47.9331N	124.3960W	152	
Olympia	OLW	Washington,U.S.A.	47.0728N	122.9220W	37	From 1986-08-02
Olympic Penn College CREST BB SMO	OPC	Washington,U.S.A.	48.1001N	123.4129W	90	From 2001-05-30
Olympics--Bonidu Creek	OBC	Washington,U.S.A.	48.0353N	124.0780W	938	From 1980-07-01
Olympics--Burnt Hill	OBH	Washington,U.S.A.	47.3263N	123.8660W	383	
Olympics--Forks	OFK	Washington,U.S.A.	47.9500N	124.3580W	134	From 1980-07-01
Olympics--Lake Quinault	OLQ	Washington,U.S.A.	47.5161N	123.8088W	121	
Olympics--North River	ON2	Washington,U.S.A.	46.8808N	123.7811W	257	
Olympics--North River	ONR	Washington,U.S.A.	46.8771N	123.7710W	257	From 1980-07-01 to 2004-10-21
Olympics--Salmon Ridge	OSR	Washington,U.S.A.	47.5056N	123.9620W	815	From 1989-09-13
Olympics--Snow Dome	OSD	Washington,U.S.A.	47.8208N	123.7020W	2010	
Olympics--Sooes Peak	OSP	Washington,U.S.A.	48.2849N	124.5900W	585	From 1983-10-01
Olympics--Tyee Ridge	OTR	Washington,U.S.A.	48.0833N	124.3440W	712	
Olyphant	OLY	Arkansas,U.S.A.	35.5030N	91.4700W	236	From 1979-11-06
Omae zaki	OMA	Shizuoka,Japan	34.6017N	138.2167E	-165	
Omahuta	OUZ	North Island,New Zealand	35.2214S	173.5960E	40	From 1991-03-12
Omak	OMW	Washington,U.S.A.	48.4803N	119.5610W	421	From 1975-06-01
Omania	OMRZ	North Island,New Zealand	38.1080S	176.3715E	566	From 2007-04-04
Omchak	OCHR	Magadanskaya Oblast',Russia	61.6653N	147.8667E	820	
Ometepe	OME	Nicaragua	11.5377N	85.6837W	181	
Omihachiman	OHM	Shiga,Japan	35.1738N	136.0835E	120	
Omiya	OOM	Yamanashi,Japan	35.2167N	138.6330E		
Omsukchan	OMS	Magadanskaya Oblast',Russia	62.5150N	155.7750E	527	
Onahama	ONA	Fukushima,Japan	36.9450N	140.9070E	5	
Onalaska	E04A	Washington,U.S.A.	46.5934N	122.7204W	215	From 2005-10-27 to 2008-02-12
Onbets	JOB	Kushiro,Japan	42.9033N	143.8347E	60	
Oncesti	ONCR	Romania	46.4643N	27.2672E	234	From 2004-07-13
Onchagaon	UGON	Uttar Pradesh	28.3100N	77.9100E	237	From 2001-04-27
Oneida	ONTN	Tennessee,U.S.A.	36.4815N	84.4433W	635	
Onerahi	ONE	North Island,New Zealand	35.7758S	174.3630E	30	From 1954-08-01 to 1985-09-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ongoro	ONG	Peru	15.8990S	72.4732W	880	
Ongureny	OGRR	Irkutskaya Oblast',Russia	53.6433N	107.5950E	495	
Oni	ONI	Georgia	42.5903N	43.4525E	834	From 1967-03-02
Onida	H29A	South Dakota,U.S.A.	44.6261N	100.2125W	548	From 2009-09-11
Onioshidashi	ODSE	Gumma,Japan	36.4219N	138.5219E	1710	
Ontario (NY)	ONTR	New York,U.S.A.	43.2738N	77.3067W	84	
Onyx Ranch	WORM	California,U.S.A.	35.6956N	118.2425W	795	
Oohira	OHRN	Gifu,Japan	35.4877N	137.1946E	330	
Ooide	K09	Iwate,Japan	39.4742N	141.5114E	446	
Ooka	OKAH	Hawaii,U.S.A.	19.4943N	154.9240W	180	
Oologah	OLO	Oklahoma,U.S.A.	36.4573N	95.7108W	196	From 1976-11-28 to 1977-08-07
Oonami East	KV05	Kagoshima,Japan	31.9217N	130.8586E	1300	
Oonami West	KV03	Kagoshima,Japan	31.9217N	130.8425E	1188	
Oonodaira	K10	Iwate,Japan	39.4958N	141.5147E	616	
Ooshika	OOS	Nagano,Japan	35.5797N	138.0488E	805	
Ootomari	OOT	Sakhalinskaya Oblast',Russia	46.6500N	142.7670E	36	
Opal Mound	OPL	Utah,U.S.A.	38.4817N	112.8720W	1766	
Opana	OPA	Hawaii,U.S.A.	21.6872N	158.0097W	138	From 1965-04-01
Opiter	BOPT	Belgium	51.1118N	5.6350E	51	From 2007-03-06
Oploo	OPLO	Netherlands	51.5888N	5.8121E	0	
Oppeano	OPPE	Italy	45.3082N	11.1724E	20	From 2009-09-24
Oppenau	OPP	Baden-Wurttemberg,Germany	48.4972N	8.1868E	412	From 2008-04-01
Oracle	117A	Arizona,U.S.A.	32.5716N	110.7393W	1544	From 2007-04-06 to 2008-12-03
Oran	ORA	Buryatiya,Russia	55.9300N	113.6700E	705	
Oran	USTO	Algeria	35.7333N	0.5500W	0	
Orangeburg	OSC	South Carolina,U.S.A.	33.5397N	80.8250W	60	
Orangeburg	OSB	South Carolina,U.S.A.	33.5472N	80.8444W	91	From 1977-04-02
Orange Hill	OHS	St Vincent,Saint Vincent and the Grenadines	13.3170N	61.1480W	274	
Orbe	ORB	Switzerland	46.7167N	6.5167E		
Orcadas	ORCD	South Orkney Islands	60.7381S	44.7361W		
Orchard Mesa	OMCO	Colorado,U.S.A.	39.0270N	108.5170W		
Ordiarp	ORDF	Aquitaine,France	43.2135N	0.9357W	270	From 1997-10-28
Ordu-Boztepe	ORDU	Turkey	40.9910N	37.8571E	526	From 2010-12-03
Oregon House	AOHM	California,U.S.A.	39.3753N	121.2560W	457	From 1977-02-14
Orenburg	ORR	Orenburgskaya Oblast',Russia	51.6184N	54.7530E	91	From 2004-10-26
Oreshnoe	ORHR	Krasnoyarskiy Kray,Russia	55.3020N	93.6650E	444	From 2003-03-07
Organos	IIO	Tlaxcala,Mexico	19.5915N	98.7225W	2940	
Organ Pipe National Monument, Ajo	214A	Arizona,U.S.A.	31.9559N	112.8115W	543	From 2007-05-07
Organya	ORG	Spain	42.2278N	1.3322E	740	
Organya	CORG	Spain	42.2303N	1.3176E	716	
Orgiva	ORGV	Spain	36.8572N	3.4322W	1600	
Orhaneli	ORLT	Turkey	40.0460N	28.8960E	649	
Orhaniye	ORH	Turkey	40.8602N	30.0707E	320	From 1995-01-01
Oricopia Mountain	ORCC	California,U.S.A.	33.5662N	115.7692W	1087	
Orie	ORY	Krasnoyarskiy Kray,Russia	55.0031N	95.1089E	378	From 2004-03-19
Oriolo Calabro	OR1	Italy	40.0635N	16.4492E	375	
Oriolo Calabro	ORI	Italy	40.0635N	16.4492E	375	
Oris-en-Rattier	ORIF	Rhone-Alpes,France	44.9183N	5.8800E	1082	From 1996-04-03
Orista	CORI	Spain	41.9735N	2.0499E	331	From 2006-02-01
Oritupano	ORIV	Venezuela	9.0700N	63.4090W	123	From 2002-05-06
Orjiva, Granada	E007	Spain	36.8605N	3.4291W	1289	From 2007-09-13 to 2009-06-26
Orkelljunga	ORK	Sweden	56.2680N	13.2620E	96	From 1980-01-01 to 1991-12-31
Orlando	OR-FL	Florida,U.S.A.	28.4669N	81.2214W	20	From 1963-05-14 to 1963-09-15
Orlando	OR-	Florida,U.S.A.	28.4669N	81.2214W	20	From 1963-05-14 to 1963-09-15
Orleans, Heritage Park	ORHO	Ontario,Canada	45.4563N	75.5367W	51	From 2007-06-19
Orleans, Innes Road, Ontario	ORIO	Ontario,Canada	45.4515N	75.5110W	74	From 2008-06-19
Orleans Mountain	KOMM	California,U.S.A.	41.2788N	123.4520W	1181	
Orlik	ORL	Buryatiya,Russia	52.5389N	99.8100E	1360	
Ormoc	OCLP	Leyte,Philippines	11.0510N	124.6090E	130	
Orongorongo Tunnel	OTW	North Island,New Zealand	41.2775S	175.0042E	230	From 1992-07-28
Orono	ORNO	Maine,U.S.A.	44.8920N	68.6720W	100	From 2008-12-01
Oropa	ORO	Italy	45.6275N	7.9814E	1160	
Oropa	ORX	Italy	45.6325N	7.9817E	1250	
Oroville	ORV	California,U.S.A.	39.5545N	121.5004W	334	From 1963-01-01
Oroz-Betelu	EORO	Spain	42.8926N	1.3095W	880	From 2007-04-27
Orsara di Puglia	FG5	Italy	41.2825N	15.2678E	660	
Ortayu	OTUK	Kazakhstan	48.2445N	72.3378E	602	From 2010-02-10
Orti	OII	Italy	38.1533N	15.6892E		
Ortiz Mountain	OTZ	New Mexico,U.S.A.	35.7603N	106.1730W	2091	From 1976-09-17
Ortiz Mt. (NFS), Santa Fe National Forest	V23A	New Mexico,U.S.A.	35.7452N	106.1833W	1991	From 2008-05-05
Orto-Tokoy	OTK	Kyrgyzstan	42.3460N	76.0170E	1700	
Orzinuovi	ORZI	Italy	45.4056N	9.9307E	83	From 2008-04-24
Os	OSGS	Norway	60.1900N	5.4600E	30	From 2002-01-01
Osaka	OSK	Osaka,Japan	34.6117N	135.6600E	472	
Osaka	OSA	Osaka,Japan	34.6783N	135.5220E	13	
Osborn	OSBY	New York,U.S.A.	41.3603N	73.9239W	212	
Oschiri	OSKI	Italy	40.8210N	9.1083E	896	From 2006-12-12
Oseberg A Platform	OSG	Norway	60.4970N	2.8760E	-100	From 1988-01-01 to 2003-04-05
Osh	OHH	Kyrgyzstan	40.5240N	72.7850E	980	
Oshima	OSH	Bonin Islands,Japan	34.7617N	139.3783E	191	
Oshima	OSHJ	Bonin Islands,Japan	34.7467N	139.3670E	76	From 1991-12-18
O shima 2	JIM	Bonin Islands,Japan	34.7617N	139.3767E	190	
Oshima 3	JIM2	Bonin Islands,Japan	34.7175N	139.4312E	405	
Osimo (AN)	AD06	Italy	43.4944N	13.4366E	112	From 2010-03-30
Osito Adit	OSI	California,U.S.A.	34.6145N	118.7235W	676	
Oskarshamn	OSKU	Sweden	57.1947N	16.0994E	100	From 2002-11-01
Oslo	OO-	Norway	61.0547N	10.8661E	555	
Oslo	OO-NW	Norway	61.0547N	10.8661E	555	
Oslo	OSL	Norway	59.9372N	10.7227E	70	
Osmaniye	OSMT	Turkey	40.6022N	29.7002E	820	From 1993-01-01
Os-Marcillon	OSML	Aquitaine,France	43.3892N	0.5928W	105	
Osorio	EOSO	Spain	28.0718N	15.5525W	760	
Osorno	OSCH	Valdivia,Chile	40.5758S	73.1276W	45	
Ospenovka	USP	Kazakhstan	43.2669N	74.4997E	740	
Osses	OSSF	Aquitaine,France	43.2560N	1.2618W	240	From 1997-06-01
Ossining	OSNY	New York,U.S.A.	41.2117N	73.8283W	122	
Ossora	OSSR	Kamchatskaya Oblast',Russia	59.2500N	163.0600E	5	
Ostas	OSTC	Czech Republic	50.5565N	16.2156E	554	From 2005-07-01
Ostende	BOST	Belgium	51.2382N	2.9387E	3	From 2009-05-01
Ostrava-Krasne	OKC	Czech Republic	49.8375N	18.1472E	272	From 1994-01-01
Ostromysovka	OSMR	Sakhalinskaya Oblast'	47.2450N	143.0100E	30	From 2004-11-10
Ostuacan	OSCM	Chiapas,Mexico	17.4056N	93.3347W		
Ostula	OSM	Michoacan,Mexico	18.4972N	103.4719W		
Oswego	OSWG	New York,U.S.A.	43.5170N	76.4162W	84	
OT011	OT011	Ontario,Canada	45.3939N	75.7149W	94	From 2005-10-21
Otahua Downs	ODZ	South Island,New Zealand	45.0453S	170.6440E	270	From 1990-08-31
Otaki Gorge	OGWZ	North Island,New Zealand	40.8184S	175.1701E	206	From 2007-09-24
Otama	JFT	Fukushima,Japan	37.5182N	140.3367E	350	
Otara	OTAZ	North Island,New Zealand	36.9512S	174.9247E	140	
Otavalo	OTAV	Ecuador	0.2376N	78.4508W	3492	
Otepa	OTP	Tuamotu,French Polynesia	18.1675S	140.8570W	2	From 1976-01-01
Oterleek	OTL	Netherlands	52.6299N	4.8226E	-3	
Oterleek	OTL3	Netherlands	52.6289N	4.8227E	-154	From 1995-04-21
Oterleek	OTL1	Netherlands	52.6289N	4.8227E	-54	From 1995-04-21
Oterleek	OTL2	Netherlands	52.6289N	4.8227E	-104	From 1995-04-21
Oterleek	OTL4	Netherlands	52.6289N	4.8227E	-204	From 1995-04-21
Othello	OT2	Washington,U.S.A.	46.7214N	119.2350W	355	From 1988-12-01 to 2001-11-01
Othello	OTH	Washington,U.S.A.	46.7390N	119.2160W	384	From 1969-03-01
Othello 3	OT3	Washington,U.S.A.	46.6690N	119.2330W	322	
Otiai	OTI	Sakhalinskaya Oblast',Russia	47.3333N	142.7830E		
Ottawa	OTT	Ontario,Canada	45.3942N	75.7167W	77	From 1906-01-01
Otterbach	OTTER	Switzerland	47.5778N	7.6038E	298	From 2006-01-01
Otterbach 1 (BS)	OTER1	Switzerland	47.5777N	7.6037E	-206	From 2009-10-01
Otterbach 2 (BS)	OTER2	Switzerland	47.5791N	7.6046E	-2487	From 2006-10-01
Otter Rapids	OTRO	Ontario,Canada	50.1818N	81.6286W	109	
Oturere	OTVZ	North Island,New Zealand	39.1650S	175.6650E	1480	From 2004-11-18
Ouanaham	OUA	Loyalty Islands,New Caledonia	20.7747S	167.2440E	29	
Oud Koma	ODK	Djibouti	11.5932N	42.4901E	100	From 1987-01-01
Oued Fodda	OFD	Algeria	36.0667N	1.6000E	377	From 1935-01-01 to 1982-12-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Oujda	OUJ	Morocco	34.6570N	1.9010W	600	
Oukaimeden	OUK	Morocco	31.2090N	7.8680W	2720	
Oulainen	OUFX	Finland	64.3645N	24.7031E	90	From 2011-02-10
Oulhaca	OLHC	Algeria	35.2500N	1.4200W	600	From 2005-01-01
Oulu	OUL	Finland	65.0853N	25.8964E	60	
Oum El Arais	OAR	Tunisia	34.5317N	8.3968E	475	
Oura	ORJ	Shiga,Japan	35.5171N	136.1197E	150	
Ouranopolis	OUR	Greece	40.3344N	23.9819E	60	From 1981-01-01
Ouri	JIO	Miyagi,Japan	38.4543N	141.3488E	40	
Outingdale	AODM	California,U.S.A.	38.6148N	120.7280W	520	From 1976-10-19
Outlet	OUT	Hawaii,U.S.A.	19.3897N	155.2820W	1038	From 1958-07-01
Outpost Mountain	YUK6	Yukon Territory,Canada	60.9432N	138.3626W	2233	From 2010-08-29
Ovalau	OVA	Fiji	17.6862S	178.7837E	439	From 1979-10-01
Ovalle	OVCH	Coquimbo,Chile	30.6080S	71.2010W	222	
Ovando	OVMT	Montana,U.S.A.	47.0643N	112.9967W	1494	
Ova Spin	OSS	Switzerland	46.6868N	10.1437E	1700	From 1982-01-01 to 2002-01-02
Over Castle Rock	OCN	New York,U.S.A.	43.8848N	74.5293W	701	From 1974-07-01 to 1979-07-31
Overton	OVE	Nevada,U.S.A.	36.5311N	114.4420W	395	From 1940-07-01 to 1952-07-31
Owase	OWA	Mie,Japan	34.0667N	136.1950E	17	
Owens Crossroads	OCA	Alabama,U.S.A.	34.6138N	86.4352W	250	
Owens Ranch, Tucumcari	W26A	New Mexico,U.S.A.	35.0891N	103.7656W	1314	From 2008-05-08
Owens River	ORC	California,U.S.A.	37.6353N	118.6560W	2301	From 1979-11-01
Owia	SOA	St Vincent,Saint Vincent and the Grenadines	13.3735N	61.1486W	40	
Owl Hoot	OHTN	Tennessee,U.S.A.	36.1500N	89.5200W	82	
Oxenhope Moor	OMWY	England,United Kingdom	53.7909N	1.9799W	438	
Oxford	OXZ	South Island,New Zealand	43.3259S	172.0383E	360	From 2009-03-14
Oxford	OXD	England,United Kingdom	51.7667N	1.2500W	61	
Oxford	OXF	Mississippi,U.S.A.	34.5118N	89.4092W	101	From 1993-09-17
Ox Mountain	OXMT	California,U.S.A.	37.4994N	122.4243W	14	
Oxtotitlan	OXM	Mexico D.F.,Mexico	19.2972N	99.6883W	2700	
Oya 1	OYT	Hyogo,Japan	35.3339N	134.6645E	260	
Oya 2	OYT2	Hyogo,Japan	35.3218N	134.6658E	230	
Oyama	OYM	Kanagawa,Japan	35.4201N	139.2430E	600	From 1970-04-01
Ozark Folk Center	FCAR	Arkansas,U.S.A.	35.8898N	92.1242W	190	
Ozernaya	OZE	Buryatiya,Russia	56.3000N	113.9800E	620	
PA01 North	PA01	British Columbia	48.6526N	123.4470W	3	From 2010-12-09
PA02 Ocean	PA02	British Columbia	48.6518N	123.4489W	3	From 2010-12-09
PA03 Flamable	PA03	British Columbia	48.6517N	123.4448W	8	From 2010-12-09
PA04 Cage	PA04	British Columbia	48.6510N	123.4462W	8	From 2010-12-09
PA05 Willingdon	PA05	British Columbia	48.6497N	123.4438W	8	From 2010-12-09
PA12 Sannich	PA12	British Columbia	48.6482N	123.4496W	10	From 2010-12-09
Pacaya	PCG	Guatemala	14.3938N	90.6075W	2100	From 1987-03-01
Pacheco Lake	HPLM	California,U.S.A.	37.0522N	121.2900W	152	From 1968-05-10
Pacheco Lake	PCL	California,U.S.A.	37.0522N	121.2900W	152	From 1968-05-10
Pacheco Lake	AN4*	California,U.S.A.	37.0522N	121.2900W	152	From 1968-05-10
Pacheco Peak	PACP	California,U.S.A.	37.0080N	121.2870W	844	
Pacific Creek	PACW	Wyoming,U.S.A.	43.9023N	110.4850W	2140	From 1986-01-01
Pacitan	PCJI	Jawa,Indonesia	8.1947S	111.1771E	0	From 2007-12-01
Packway	APAE	England,United Kingdom	52.3006N	1.4782E	58	From 1984-01-01
Padang	PDSI	Sumatera,Indonesia	0.9118S	100.4617E	276	From 2005-01-01
Padang Panjang	PPI	Sumatera,Indonesia	0.4568S	100.3970E	0	
Padua	PAD	Italy	45.4086N	11.8861E	12	
Paducah	PAKY	Kentucky,U.S.A.	37.0570N	88.7720W	76	From 1990-10-01
Paea	PAE	Tahiti,French Polynesia	17.6619S	149.5800W	10	
Paeroa	PATZ	North Island,New Zealand	38.3814S	176.2580E	940	From 1991-01-01
Pagadian	PAGZ	Mindanao,Philippines	7.8480N	123.3820E	50	
Pagan	PAGN	Mariana Islands	18.0750N	145.7310E	540	From 1992-07-01
Pagan Volcano	PAGV	Mariana Islands	18.1250N	145.7700E	10	From 1992-07-01
Page	PGAZ	Arizona,U.S.A.	36.9057N	111.4620W	1272	
Pagerwojo	PWJI	Jawa,Indonesia	8.0220S	111.8039E	0	From 2007-12-01
Pagoda	O21A	Colorado,U.S.A.	40.2149N	107.4705W	2343	From 2007-11-10
Pagosa Springs	PGS	Colorado,U.S.A.	37.2653N	107.0210W		
Pahaquarry	PQN	New Jersey,U.S.A.	41.0073N	75.0858W	229	
Pahoa	PAH	Hawaii,U.S.A.	19.4950N	154.9470W	205	From 1958-01-01 to 1969-01-01
Pahoa Fire House	PFH	Hawaii,U.S.A.	19.4969N	154.9490W	201	From 1986-01-01
Pah Rah Range	PAHR	Nevada,U.S.A.	39.7065N	119.3842W	1500	
Pahroc Range	PRN	Nevada,U.S.A.	37.4067N	115.0508W	1402	
Pahute Mesa	PMN	Nevada,U.S.A.	37.2807N	116.3020W	2141	From 1973-06-05 to 1973-06-22
Pahute Mesa	LO2	Nevada,U.S.A.	37.1979N	116.3790W	2019	From 1973-05-01 to 1975-12-31
Pahute Mesa Site	PH3NV	Nevada,U.S.A.	37.3725N	116.5286W	1603	
Pahute Mesa Site	PH4NV	Nevada,U.S.A.	37.2556N	116.4636W	1917	
Pahute Mesa Site	PH-NV	Nevada,U.S.A.	37.2983N	116.5481W	1792	
Pahute Mesa Site	PH2NV	Nevada,U.S.A.	37.2422N	116.4644W	1908	
Paiam	PIAM	Papua New Guinea	5.4650S	143.1490E	2220	
P Aileron	PAI	Martinique	14.8044N	61.1564W	844	
Pajala	PAJU	Sweden	67.0240N	23.1130E	500	From 2004-04-17
Pak Chong	PCT	Thailand	14.6808N	101.4110E	360	From 1978-10-01
Pakihiroa	PKGZ	North Island	37.8664S	178.0805E	405	From 2010-06-22
Pakoon Wash	U13A	Arizona,U.S.A.	36.4151N	113.9653W	712	From 2007-02-16 to 2008-11-12
Pala Acreide	HPAR	Sicily,Italy	37.0750N	14.9980E	600	From 1994-05-01
Palacio de Doana, Huelva	E010	Spain	36.9886N	6.4431W	52	From 2007-09-24 to 2009-06-24
Palaiochora Chania	KNDR	Crete,Greece	35.2340N	23.6857E	25	From 2006-12-01
Palaion Diasellon	DSL	Greece	39.1338N	21.0963E	525	From 2008-02-22
Pala-Maneri	PLMI	Uttar Pradesh,India	30.8417N	78.6292E	1640	From 1987-10-01
Palana	PALN	Kamchatskaya Oblast',Russia	59.0890N	159.9660E	38	From 2008-11-13
Palanan	PALP	Luzon,Philippines	17.0630N	122.4250E	50	
Palangkaraya	PKKI	Kalimantan	2.2410S	113.9721E	69	
Palangkaraya	PLKI	Kalimantan,Indonesia	2.2262S	113.9453E	70	From 2005-01-01
Palau	PALU	Caroline Islands,Palau	7.3436N	134.4741E	10	
Palau	PLA	Caroline Islands,Palau	7.3333N	134.4830E	390	
PALAU INFRASONIC ARRAY REFERENCE POINT	I39PW	Caroline Islands	7.5355N	134.5470E	100	From 2005-08-10
Palau Saverdera	CPAL	Spain	42.3116N	3.1636E	223	From 2007-03-01
Palayan	PCPH	Luzon,Philippines	15.5620N	121.0960E	7	
Palazzolo	PZI	Sicily,Italy	37.0571N	14.9476E	603	From 1983-10-01
Palazzo San Gervasio	PALZ	Italy	40.9441N	15.9602E	450	From 2006-08-07
Palemas	MPAL	Morocco	35.2250N	3.9420W	412	From 1994-02-15
Palembang	PMBI	Sumatera,Indonesia	2.9270S	104.7720E	30	From 2005-01-01 to 2009-05-29
Paleo Inst,Ithaca	PRNY	New York,U.S.A.	42.4666N	76.5361W	205	
Palermo	PAM	California,U.S.A.	39.4488N	121.5200W		From 1976-01-01
Palermo	PLR	Sicily,Italy	38.1440N	13.3477E	60	
Paliouri	PAIG	Greece	39.9272N	23.6797E	140	From 1981-01-01
Palisades	PAL	New York,U.S.A.	41.0055N	73.9079W	66	
Palizzi	MPAZ	Sicily,Italy	37.9531N	16.0067E	496	From 2006-09-20
Pallekele	PALK	Sri Lanka	7.2728N	80.7022E	460	
Palliser	PLWZ	North Island,New Zealand	41.5709S	175.2546E	638	From 2007-04-19
Palma Real	PALR	Venezuela	11.0000N	63.9110W	920	From 1984-01-01
Palmaria, Porto Venere	PLMA	Italy	44.0498N	9.8507E	22	From 2010-03-28
Palmasola	PSM	Oaxaca,Mexico	16.7048N	95.0410W	750	From 1990-01-01
Palm-Egli Farm, Albin	M25A	Wyoming,U.S.A.	41.4347N	104.0551W	1636	From 2008-11-13
Palmela	PLML	Portugal	38.5550N	8.9033W	216	
Palmer	PLMR	South Australia,Australia	34.8728S	139.1508E	138	From 2006-08-10
Palmer	PMR	Alaska,U.S.A.	61.5922N	149.1310W	100	From 1967-09-01
Palmer East	PME	Alaska,U.S.A.	61.6283N	149.0317W	232	From 1980-09-01 to 1999-08-25
Palmer High School	PHSA	Alaska,U.S.A.	61.6089N	149.1487W	144	
Palmer Road	PREZ	North Island,New Zealand	39.3421S	174.1589E	613	From 2010-02-23
Palmer South	PMS	Alaska,U.S.A.	61.2447N	149.5610W	716	From 1967-05-25 to 2005-08-05
Palmer Station	PMSA	Antarctic Peninsula	64.7742S	64.0490W	10	From 1993-03-01
Palmer USGS	PLRM	Alaska,U.S.A.	61.5922N	149.1310W	100	From 1984-09-20
Palmer West	PWA	Alaska,U.S.A.	61.6508N	149.8790W	137	From 1967-05-23 to 2005-08-05
Palmi	ME03	Italy	38.3301N	15.8374E	567	From 2007-10-20 to 2009-02-05
Palmichal	PALM	Venezuela	10.2046N	64.4388W	1100	From 1984-01-01 to 1999-08-25
Palm Springs	PSP	California,U.S.A.	33.7938N	116.5490W	195	
Palmyra I.	PR-	Line Islands,Kiribati	5.8881N	162.0942W	3	From 1962-04-06 to 1962-11-04
Palmyra Island	PR-IS	Line Islands,Kiribati	5.8881N	162.0942W	3	From 1962-04-06 to 1962-11-04
Palo	PLP	Leyte,Philippines	11.1650N	124.9790E	133	From 1975-10-01
Palo Alto--Branner	PAC	California,U.S.A.	37.4167N	122.1820W	83	From 1927-11-21 to 1965-05-31
Palomar	PLM	California,U.S.A.	33.3534N	116.8620W	1692	From 1939-09-07
Palomares Rd	LT18	California,U.S.A.	37.6313N	121.9560W	463	From 1969-06-29 to 1980-01-23
Palomares Road	CPLM	California,U.S.A.	37.6375N	121.9610W	317	From 1980-01-23 to 2008-07-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Palomares Road	PLC	California,U.S.A.	37.6313N	121.9560W	463	From 1969-06-29 to 1980-01-23
Palomo	PALO	Costa Rica	9.7850N	83.8203W	1440	
Palora	PALA	Ecuador	1.6917S	77.9562W	908	
Palos Verdes	PVRC	California,U.S.A.	33.7522N	118.3710W	183	From 1981-09-30
Palos Verdes	PVR	California,U.S.A.	33.7583N	118.3570W	340	From 1956-03-21 to 1981-09-30
Palos Verdes	PVPS	California,U.S.A.	33.7867N	118.4030W		
Palo Verde	A494	Costa Rica	10.3465N	85.3503W	0	From 2000-01-01
Palu	PCI	Sulawesi,Indonesia	0.9054S	119.8366E	150	From 1981-01-01
Palu	PLU	Turkey	38.7000N	39.9308E	979	From 1973-09-12
Palub	PALB	Xizang Zizhiqu,China	29.6533N	91.1330E	3675	From 2004-08-27
Pamatai, Papeete	PPTF	Tahiti,French Polynesia	17.5896S	149.5652W	705	From 2009-04-25
Pamplona	EXPA	Spain	42.8140N	1.6250W	478	
Panagyurishte	PGB	Bulgaria	42.5500N	24.1667E	775	
Panama	BASP	Panama	9.0249N	79.5536W	0	From 2008-10-16
Panamint Range	PGE	California,U.S.A.	36.3489N	117.0660W	1850	From 1987-11-28 to 1988-02-13
Panamint Range	PANV	California,U.S.A.	36.3932N	117.0990W	1697	From 1988-04-01
Panarea	PLI	Sicily,Italy	38.6281N	15.0619E	98	
Panarea 2	ME12	Sicily,Italy	38.6315N	15.0700E	119	From 2007-11-06 to 2010-01-31
Panarea IE	IPAN	Sicily,Italy	38.6393N	15.0702E	30	From 1985-01-01
Panarotta	PANI	Italy	46.0489N	11.3081E	1850	From 1981-06-15
Panbari	PNBI	Assam,India	26.5333N	93.4833E	350	
Panbu Gunsar	TAGA	Xizang Zizhiqu,China	29.7400N	91.4600E	3788	From 2006-01-19
Pancar Batu	PCBI	Sumatera,Indonesia	1.8900N	98.9253E	1000	
Pancar Gunung	PACI	Jawa,Indonesia	6.5928S	106.9100E	850	From 1991-10-01
Panda Hill	PDHT	,United Republic of Tanzania	8.9832S	33.2417E	1340	From 1992-06-08
Pandan	PDP	Panay,Philippines	11.7143N	122.0962E		From 1980-04-01
Pandan	PAP	Panay,Philippines	11.7335N	122.1150E		From 1977-04-28 to 1980-04-30
Panekirikiri	PAHZ	North Island,New Zealand	38.8592S	177.0540E	563	From 1983-03-01 to 2003-09-09
Pangkalan Bun	PBKI	Kalimantan,Indonesia	2.7047S	111.6697E	74	From 2005-01-01
Pangkal Pinang	PPBI	Bangka	2.1616S	106.1364E	64	From 2005-01-01
Panguitch	S15A	Arizona,U.S.A.	37.6761N	112.3627W	2102	From 2007-05-15 to 2008-11-15
Panguna	PAA	Bougainville,Papua New Guinea	6.3006S	155.4910E	699	From 1972-12-04
Panimavida	PAN	Linares,Chile	35.7517S	71.4032W	175	
Panska Ves	PVCC	Czech Republic	50.5282N	14.5689E	311	
Pantabangan	PEP	Luzon,Philippines	15.8110N	121.1070E		
Pantelleria	PTS	Sicily,Italy	36.8111N	11.9961E	100	
Pantelleria Cuddia di Mida	PTMD	Sicily,Italy	36.7884N	11.9933E	615	From 2010-07-13
Paolisi	PAOL	Italy	41.0312N	14.5675E	715	From 2010-02-26
Papamoa	PARZ	North Island,New Zealand	37.7335S	176.2900E	180	
Papanoa	PPNM	Guerrero,Mexico	17.3005N	101.0378W	260	
Papayo	PPOM	Guerrero,Mexico	17.0200N	100.2400W	100	
Papeete	THT	Tahiti,French Polynesia	17.5690S	149.5740W	337	
Papeete	PPT	Tahiti,French Polynesia	17.5682S	149.5761W	258	
Papeete2	PPT2	Tahiti,French Polynesia	17.5896S	149.5764W	705	From 2008-11-27
Papenoo	PPN	Tahiti,French Polynesia	17.5308S	149.4320W	100	
Paphos	PPCY	Cyprus	34.8847N	32.3450E	60	From 1987-02-01
Papudo	PACH	Valparaiso,Chile	32.5370S	71.4370W	692	
Paracas	PCS	Peru	13.8033S	76.2783W	100	
Parade	G28A	South Dakota,U.S.A.	45.0749N	100.9161W	709	From 2009-06-11
Paradise	PARR	Nevada,U.S.A.	38.7707N	117.8965W	1774	
Paradis Home	SHVB	British Columbia,Canada	48.4723N	123.6360W	69	From 2003-02-27
Paradox Valley	PV09	Colorado,U.S.A.	38.4987N	109.1330W	2652	
Paradox Valley	PV15	Colorado,U.S.A.	38.3418N	108.4810W	2280	
Paradox Valley	PV03	Colorado,U.S.A.	38.2543N	108.8480W	2007	
Paradox Valley	PV06	Colorado,U.S.A.	38.3325N	108.4580W	2213	
Paradox Valley	PV01	Colorado,U.S.A.	38.1344N	108.5700W	2182	
Paradox Valley	PV02	Colorado,U.S.A.	38.2073N	108.7370W	2166	
Paradox Valley	PV10	Colorado,U.S.A.	38.3763N	109.0390W	2316	
Paradox Valley	PV08	Colorado,U.S.A.	38.5763N	108.6470W	2940	
Paradox Valley	PV04	Colorado,U.S.A.	38.3934N	108.9050W	1756	
Paradox Valley	PV07	Colorado,U.S.A.	38.4380N	108.6470W	2001	
Paradox Valley	PV05	Colorado,U.S.A.	38.0782N	109.0990W	2115	
Paragould	PGA	Arkansas,U.S.A.	36.0600N	90.6200W	152	From 1974-12-28 to 1992-02-29
Paraibuna	PARB	Sao Paulo,Brazil	23.3382S	45.6217W	767	From 1993-12-01
Paraiso	PRS	California,U.S.A.	36.3317N	121.3700W	363	From 1961-01-01
P'arak'ar	PAAR	Armenia	40.1500N	44.3800E	890	From 1993-08-01
Paralimni	PHNC	Cyprus	35.0040N	34.0320E	175	
Paramo de la Osa	OSV	Venezuela	8.6410N	71.4870W	1780	
Paramo Marino	PDMV	Venezuela	8.3190N	71.8280W	2416	
Paran	PRNI	Israel	30.3519N	35.0046E	411	
Paran Flat	KRMI	Israel	30.1174N	34.7250E	468	From 2006-12-07
Parapanda	PARA	Spain	37.3052N	3.9065W	1328	
Paraskevi	PRK	Greece	39.2461N	26.2717E	100	
Paravola	PVO	Greece	38.6167N	21.5259E	185	From 2009-09-02
Parchiule	PARC	Italy	43.6486N	12.2386E	580	From 2008-04-01
Parcperdue Array	LSU2	Louisiana,U.S.A.	30.0785N	92.0315W	-24	
Parcperdue Array	LSU4	Louisiana,U.S.A.	30.0350N	92.0463W	-22	
Parcperdue Array	LSU5	Louisiana,U.S.A.	30.0673N	92.0542W	-24	
Parcperdue Array	LSU3	Louisiana,U.S.A.	30.0492N	92.0071W	-24	
Parcperdue Array	LSU1	Louisiana,U.S.A.	30.0733N	91.9821W	-23	
Parga	RGA	Greece	39.3212N	20.3544E	608	From 2007-11-06
Pariaguan	PARV	Venezuela	8.9650N	64.7960W	205	From 2002-04-04
PARIAGUAN	PRGV	Venezuela	8.7601N	64.6456W	175	From 2006-06-14
Pari Array Site 0	PAK0	Pakistan	33.6500N	73.2520E	0	
Paris	PAR	Ile-de-France,France	48.8094N	2.4936E	47	
Paritu Road	PRGZ	North Island,New Zealand	38.9243S	177.8831E	503	From 2007-08-24
Parker Dam,Lake Havasu City	PDMCI	Arizona,U.S.A.	34.3000N	114.1400W	144	From 2004-04-01
Parker Ranch, Bruneau	K11A	Idaho,U.S.A.	42.7713N	116.0323W	914	From 2007-02-06 to 2008-07-23
Parkers Pond	PKN	Newfoundland,Canada	47.5858N	52.7833W	210	
Parkfield	PKD	California,U.S.A.	35.9452N	120.5416W	583	
Parkfield	PKD1	California,U.S.A.	35.8894N	120.4261W	431	
Parkfield Array	PPFM	California,U.S.A.	35.8818N	120.4130W	469	From 1968-01-11
Parkfield Array	PKF	California,U.S.A.	35.8818N	120.4130W	469	From 1968-01-11
Park Hill	HPHM	California,U.S.A.	36.8563N	121.4060W	122	From 1970-08-17
Park Hill	PKH	California,U.S.A.	36.8563N	121.4060W	122	From 1970-08-17
Parma	PARMO	Missouri,U.S.A.	36.6635N	89.7522W	85	
PARMA	PRMA	Italy	44.7637N	10.3131E	78	From 2008-06-04
Parndana	PARN	South Australia,Australia	35.8059S	137.2389E	140	
Parnis Oros	MPAR	Greece	38.1513N	23.7357E	1160	
Parod	PARD	Israel	32.5573N	35.2609E	399	
Parque de las Ciencias	APCG	Spain	37.1900N	3.5900W	0	
Parque Tenorio	PTEN	Costa Rica	10.7148N	84.9870W	712	From 2000-01-01
Pars	IPAR	Iran	29.8419N	53.0485E	2603	From 2002-10-01
Parsons	PB-	Tennessee,U.S.A.	35.7361N	88.1361W	122	From 1962-07-06 to 1962-07-11
Parsons	PB-TN	Tennessee,U.S.A.	35.7361N	88.1361W	122	
Parsons Mountain	PRM	South Carolina,U.S.A.	34.0830N	82.3630W	254	From 1975-07-04
Partacoona	PNA	South Australia,Australia	32.0061S	138.1650E	180	From 1969-09-01 to 2001-09-26
Paruwai Farm	PAWZ	North Island,New Zealand	41.3825S	175.4262E	331	From 2004-07-14
Parys	PRYS	Orange Free State,South Africa	26.9253S	27.3598E	1403	From 2004-03-01
Parys	PRY	Orange Free State,South Africa	26.9283S	27.4733E	1455	
Pasadena	PAS	California,U.S.A.	34.1484N	118.1711W	257	From 1927-03-17 to 2007-10-26
Pasadena Art Cn	PASC	California,U.S.A.	34.1714N	118.1852W	341	
Pas de la Coche	PCHF	Rhone-Alpes,France	45.2182N	6.0304E	2010	From 1980-08-01
Pas du Roy	PRGF	Guadeloupe	16.0362N	61.6622W	1070	
Pasian Peak	PPH	Mindanao,Philippines	7.8492N	126.1872E		From 1980-01-18
Pasiripis	PASI	Jawa,Indonesia	6.6894S	105.5890E	220	From 1991-10-01
Paso Flores	PLCA	Rio Negro,Argentina	40.7328S	70.5508W	956	
Paso Robles	PPRM	California,U.S.A.	35.6477N	120.7010W	279	
Passo dei Salati	SATI	Italy	45.8753N	7.8685E	3005	From 2009-12-07
Passo delle Capannelle	RM26	Italy	42.4569N	13.3563E	1404	From 2009-06-19 to 2010-03-03
Pasto	PSO	Colombia	1.1919N	77.3253W	3010	
Pastocalle	PAST	Colombia	0.6942S	78.6418W	3461	From 2009-06-17
Pasture Canyon	PST	Utah,U.S.A.	39.5767N	110.3520W	2118	From 1962-01-01 to 1977-03-31
Pasuquin	PIP	Luzon,Philippines	18.3250N	120.6190E	150	From 1976-01-26
Patacocha	PAT1	Ecuador	1.5067S	78.4380W	3751	From 2008-08-20
Patacocha	PATA	Ecuador	1.5033S	78.4335W	3725	
Patelzick Creek	PZCI	Idaho,U.S.A.	44.3410N	112.3170W	2073	From 1991-12-08
Paterson	PATW	Washington,U.S.A.	45.8819N	119.7535W	262	
Paterson	PNJ	New Jersey,U.S.A.	40.9071N	74.1548W	31	From 1972-03-01 to 1996-09-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Paterson 2	PAT2	Washington,U.S.A.	45.8836N	119.7578W	259	
Patience	SLPA	St Lucia	13.8537N	60.9190W	183	
Patocco-Chiusaforte	PTCC	Italy	46.4053N	13.3533E	770	
Patos De Minas	PMNB	Minas Gerais	18.5373S	46.4380W	949	
Patquia	RTPR	La Rioja,Argentina	30.3022S	66.5114W		
Patras	PAT	Greece	38.2364N	21.7467E	40	
Patterson Ranch, Waldron	T33A	Kansas,U.S.A.	37.0824N	98.2444W	394	From 2009-10-15
Patty Peak	PTPK	Alaska,U.S.A.	61.1874N	142.4650W	1933	
Pauahi	PUH	Hawaii,U.S.A.	19.3770N	155.2180W	994	From 1974-03-01
Paularo	PLRO	Italy	46.5497N	13.1481E	1420	From 1988-01-01
Paul Sauer Dam	PSR	Cape Province,South Africa	33.6800S	24.4100E	360	From 1988-01-01 to 2009-06-05
Paul Wright Trailer	PWTG	California,U.S.A.	38.2773N	119.2520W	1996	From 1979-11-15
Pauzhetka	PAU	Kamchatskaya Oblast',Russia	51.4669N	156.8111E	110	
Pavia	EUCT	Italy	45.2026N	9.1349E	82	From 2006-06-26
Pavia	PAV	Italy	45.1833N	9.1736E	77	
Pavliani	VPA	Greece	38.7815N	22.3400E	1084	From 1982-10-01
Pavlikeni	PVL	Bulgaria	43.2167N	25.3333E	97	From 1965-01-01
Pavlof North-6	PN6	Alaska,U.S.A.	55.4528N	161.9205W	808	From 1996-07-01
Pavlof North-7A	PN7A	Alaska,U.S.A.	55.4326N	161.9982W	823	From 1996-07-01
Pavlof South-1A	PS1A	Alaska,U.S.A.	55.4212N	161.7422W	293	From 1996-07-01
Pavlof South-4	PS4	Alaska,U.S.A.	55.3540N	161.8682W	520	
Pavlof South-4A	PS4A	Alaska,U.S.A.	55.3460N	161.8561W	322	From 1996-07-01
Pavlof Volcano	PVV	Alaska,U.S.A.	55.3742N	161.7900W	164	
Pawanui	PWZ	New Zealand	40.0296S	176.8620E	65	
Pawanui	PXZ	North Island,New Zealand	40.0325S	176.8620E	80	From 2005-08-21
Paxson	PAX	Alaska,U.S.A.	62.9708N	145.4690W	1130	From 1969-07-01
Payeh	IPAY	Iran	36.4500N	58.9960E	2100	From 2004-06-01
Payette	I10A	Idaho,U.S.A.	44.0860N	116.8029W	782	From 2006-10-26 to 2008-07-19
Payson	PY-	Arizona,U.S.A.	34.2542N	111.3269W	1516	
Payson	PY-AZ	Arizona,U.S.A.	34.2542N	111.3269W	1516	
Pazar-Rize	PZAR	Turkey	41.1780N	40.8988E	80	From 2007-03-01
Peach Tree Valley	PPTM	California,U.S.A.	36.1083N	120.7210W	506	From 1970-04-16
Peach Tree Valley	PTV	California,U.S.A.	36.1083N	120.7210W	506	From 1970-04-16
Peak Mountain	PKM	California,U.S.A.	34.8958N	119.8190W	1704	From 1976-08-01
Peaks-Kenny Pk	PKME	Maine,U.S.A.	45.2644N	69.2917W	108	
Pea Ridge	PEA	Alabama,U.S.A.	33.2553N	87.4943W	107	
Pea Ridge Mine	MMM	Missouri,U.S.A.	38.1300N	91.0400W	-244	
Pearl BPA Site DOGAMI SMO	PERL	Oregon,U.S.A.	45.2382N	122.7790W	68	From 2002-03-19
Pearl Lake	PLID	Idaho,U.S.A.	45.0877N	116.0003W	2194	
Pechorkino, Salair, Kemerovskaya Oblast', Russia	SALR	Altayskiy Kray	54.4169N	85.7029E	250	From 2005-03-02
Pechory	PECR	Nizhegorodskaya Oblast',Russia	56.3167N	44.0833E		
Peckham Road	AN8*	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Peckham Road	HPRM	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Peckham Road	PKC	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Pedasi@15	AZU2	Panama	7.5340N	80.0260W	66	
Pedernales	PEDR	Haiti	18.0362N	71.7461W	0	
Pedernales	PDNS	Ecuador	0.1114N	79.9910W	139	From 2009-04-24
Pedra do Cavalo	PDCR	Bahia,Brazil	12.5313S	39.1225W	220	From 1987-01-01
Pedras Altas	PLTB	Rio Grande do Sul	31.7632S	53.6039W	397	
Pedro Bay	PDB	Alaska,U.S.A.	59.7878N	154.1920W	305	From 1979-02-22
Pedro Cerda	PED	South Shetland Islands	62.9394S	60.5850W	10	
Pedro de Valdivia	PECH	Antofagasta,Chile	22.5975S	69.6742W	0	
Pedro Dome	PJD	Alaska,U.S.A.	65.0350N	147.5080W	740	From 1967-01-01 to 1971-11-30
Pedrog??o	PDRG	Portugal	38.1000N	7.6400W	107	From 2007-06-28
Peine	PEI	Antofagasta,Chile	24.6833S	68.0667W	5000	
Peje	PEJK	Kosovo	42.6425N	20.2784E	822	From 2008-07-06
Pelados	CHP1	Peru	4.6719S	80.4911W	150	From 1979-12-01
Peldehue	PEL	Santiago,Chile	33.1436S	70.6853W	690	
Peleduy	PDY	Sakha,Russia	59.6333N	112.7003E	300	
Peleduy Array Beam Reference Point	PDYAR	Sakha,Russia	59.6553N	112.4408E	489	
Peleduy Array Site 31	PDY31	Sakha,Russia	59.6175N	112.6361E	280	
Pelee Case Petit	PCM	Martinique	14.8155N	61.2105W	335	
Pelee Island, Stone Alvar Conservation Area	PLIO	Ontario,Canada	41.7505N	82.6284W	143	
Pelican Cone	YPPC	Wyoming,U.S.A.	44.6480N	110.1925W	2932	
Pellescritta (Montereale)	RM33	Italy	42.5090N	13.2145E	1097	From 2010-09-03
Pemberton	PMB	British Columbia,Canada	50.5188N	123.0760W	400	From 1993-06-05 to 2004-11-10
Pembroke	PEMO	Ontario,Canada	45.6773N	77.2466W	180	
Pembroke	HPE	Wales,United Kingdom	51.9371N	4.7745W	355	From 1990-01-01
Pemiscott Bayou	PEBM	Missouri,U.S.A.	36.1131N	89.8623W	76	
Pen@16o@15n de Ve@15lez	PVLZ	Morocco	35.1730N	4.3010W	0	
Penalolen	FSR	Santiago,Chile	33.4785S	70.5275W	781	
Pe˜–a Musera	YMUS	Spain	42.5838N	1.0202W	594	From 2010-05-01
Penas	PNS	Bolivia	16.2672S	68.4733W	3986	From 1963-01-01 to 1975-12-31
Penc	PENC	Hungary	47.7905N	19.2817E	250	
Pendagan	PENI	Sumatera,Indonesia	5.5667S	105.1710E	200	From 1991-10-01
Pen de Alhucemas	ALHU	Morocco	35.2133N	3.8900W	60	From 2008-01-16 to 2009-07-08
Pender Island	PIB	British Columbia,Canada	48.8167N	123.3170W	40	From 1975-11-01 to 1981-04-27
Pendleton	PNO	Oregon,U.S.A.	45.6120N	118.7630W	402	From 1975-06-01
Pendleton	F08A	Oregon,U.S.A.	45.7971N	118.7768W	487	From 2006-07-30 to 2008-06-05
Pendleton	PT-	Oregon,U.S.A.	45.6111N	118.8839W	411	From 1962-01-26 to 1963-07-29
Pendleton	PT-OR	Oregon,U.S.A.	45.6111N	118.8839W	411	From 1962-01-26 to 1963-07-29
Pengchaiyu	PCYT	Taiwan region	25.6294N	122.0713E	101	
Penghu	PNG	Taiwan region	23.5672N	119.5550E	11	
P'eng-hu	PHUB	Taiwan region	23.5133N	119.5720E	15	
Peninsula	PNL	Alaska,U.S.A.	59.6687N	139.3970W	579	From 1974-09-02
Penmaenmawr	WPM1	Wales,United Kingdom	53.2581N	3.9048W	353	From 1985-01-01
Penman	PENMO	Missouri,U.S.A.	36.4502N	89.6280W	85	
Pennisi	EPIS	Sicily,Italy	37.6508N	15.1237E	385	From 1994-10-01
Penn State University	WRPS	Pennsylvania,U.S.A.	40.7941N	77.8653W	320	
Penn State Wilkes-Barre	PSWB	Pennsylvania,U.S.A.	41.3055N	76.0152W	398	
Penn St. - Brandywine Campus	PSUB	Pennsylvania,U.S.A.	39.9274N	75.4514W	110	
Pennsylvania Geol. Surv.	PAGS	Pennsylvania,U.S.A.	40.2278N	76.7221W	120	
Penon de los Banos, D. F.	PBIG	Mexico	19.4412N	99.0843W	0	
Penonome	PNME	Panama	8.4860N	80.3269W	79	From 2010-05-10
Penrod	PNR	Nevada,U.S.A.	38.8213N	118.7940W		
Pensacola	PEN	Florida,U.S.A.	30.4667N	87.1833W		
Pensacola State College	PJC	North America,U.S.A.	30.4806N	87.2011W		
Pentalofos	PENT	Greece	40.1958N	21.1384E	1090	From 2010-10-21
Penteli	PTL	Greece	38.0489N	23.8647E	500	
Penticton	PNT	British Columbia,Canada	49.3167N	119.6170W	550	From 1960-01-01
Pentidattilo	ME09	Italy	37.9524N	15.7564E	244	From 2008-06-28 to 2010-01-31
Penuelas	PNP	Puerto Rico	18.0583N	66.6836W	200	From 1975-07-30
Penzance	CPZ	England,United Kingdom	50.1560N	5.5835W	198	From 1981-01-01
Pera	PFPE	Portugal	37.1340N	8.3178W	33	From 1996-01-01 to 2009-05-30
Peraleda del Zaucejo, Badajoz	E030	Spain	38.4684N	5.6264W	627	From 2007-09-16 to 2009-06-17
Peralta Trail, Apache Junction	Z16A	Arizona,U.S.A.	33.3410N	111.4273W	537	From 2007-03-15 to 2008-12-03
Peran	IPRN	Iran	36.2419N	52.3381E	1333	From 2000-08-01
Perchaven, Sanger	Z35A	Texas,U.S.A.	33.3308N	97.2530W	235	From 2009-11-11
Perdido Creek Ranch, Del Rio	631A	Texas,U.S.A.	29.4123N	100.5759W	344	From 2009-02-19
Perigny	PRYF	Poitou-Charentes,France	46.1635N	1.0507W	30	
Permogore	PRGR	Arkangel'skaya Oblast',Russia	61.6362N	45.6272E	84	
Pernaja	PVF	Finland	60.5451N	25.8616E	45	From 1991-06-11
Pernice	PERS	Slovenia	46.6359N	15.1167E	795	
Perris	PEC	California,U.S.A.	33.8919N	117.1610W	616	From 1970-01-01
Perris	PRR	California,U.S.A.	33.7800N	117.2330W	440	
Perry Basin	PBU	Utah,U.S.A.	41.4682N	112.0100W	1625	From 1975-09-01 to 1981-11-30
Perryville	PV-AR	Arkansas,U.S.A.	34.9294N	92.6700W	213	From 1962-06-15 to 1962-06-28
Perryville	PV-	Arkansas,U.S.A.	34.9294N	92.6700W	213	From 1962-06-15 to 1962-06-28
Perryville	PRYA	Alaska,U.S.A.	55.9088N	160.1700W	20	From 1993-06-01
Persembe	PERT	Turkey	41.0792N	37.7358E	480	From 1994-06-01 to 1999-09-23
Pertek	PTK	Turkey	38.8920N	39.3920E	1835	From 2004-08-30
Perth	PER	Western Australia,Australia	31.9527S	115.8390E	55	
Perugia	PEG	Italy	43.1014N	12.3969E	495	
Perugia	PRG	Italy	43.1014N	12.3969E	495	
Pesaro	PESA	Italy	43.9410N	12.8402E	221	From 2002-12-02
Pesaro	PS1	Italy	43.9167N	12.9167E		From 1976-06-01
Pesaro	PRO	Italy	43.9167N	12.9167E		From 1976-06-01
Pescadero	PSD	California,U.S.A.	37.1990N	122.3480W	84	From 1970-11-25
Pescasseroli (AQ)	T0204	Italy	41.8666N	13.7809E	1371	From 2009-10-08 to 2010-01-22

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pesch	BD10	Nordrhein-Westfalen,Germany	51.0548N	6.4572E	80	From 2001-01-01 to 2006-11-30
Pescosannita	PSB1	Italy	41.2234N	14.8108E	551	
Pescosannita	IPES	Italy	41.2333N	14.8333E	395	From 1999-01-01
Peshawar	PES	Pakistan	34.0050N	71.5483E		
Peshawar	PSH	Pakistan	33.9371N	71.4341E	456	From 1976-01-01
Peshkopia	PHP	Albania	41.6847N	20.4408E	728	
Petauke	PTZ	Zambia	14.2490S	31.3390E	1027	
Peter Faust Dam	PETE	Queensland,Australia	20.4388S	148.4234E	140	
Peter Gray Mountain	PGY	New York,U.S.A.	43.7077N	74.0452W		From 1986-11-01
Petersbachel	PEB	Rheinland-Pfalz,Germany	49.0667N	7.7167E	325	
Petersburg	PBG1	Alaska,U.S.A.	56.7940N	132.9142W	75	
Petersburg	PSA	Alaska,U.S.A.	56.8083N	132.9533W	17	From 1975-01-01
Petersburg	PBV	Virginia,U.S.A.	36.9823N	77.5312W	49	From 1978-10-10 to 2004-09-30
Petersburg	PBG	Alaska,U.S.A.	56.8010N	132.9277W	37	From 1995-04-19
Petersburg Public Schools	PPSA	Alaska,U.S.A.	56.8130N	132.9550W	25	
Peters Farms, Glenburn	B27A	North Dakota,U.S.A.	48.4044N	101.2600W	492	From 2009-08-05
Peterson	PTR	Alabama,U.S.A.	33.2172N	87.4333W	122	From 1971-01-09
Peters Valley	PVN	New Jersey,U.S.A.	41.1957N	74.8697W	175	From 1973-02-01 to 1974-07-31
Petit Bourg	GPTB	Guadeloupe	16.1961N	61.5947W	30	From 2005-02-01
Petit Monier	SLW	St Lucia	14.0203N	60.9384W	366	From 1978-06-25
Petit Puy Manson	PYM	Auvergne,France	45.7505N	3.0078E	970	From 1980-06-01
Petnica	PTNS	Serbia	44.2467N	19.9357E	0	
Petorca	PTCH	Valparaiso,Chile	32.2635S	70.9300W	500	
PETRACHIOAIA	PCHR	Romania	44.5852N	26.3090E	76	From 2008-11-14
Petrified Forest	W18A	Arizona,U.S.A.	35.1181N	109.7357W	1750	From 2007-05-01
Petropavlovsk	PET	Kamchatskaya Oblast',Russia	53.0239N	158.6531E	68	
Petropavlovsk-Kamchatskiy Array Site A0	PEA0	Russia	53.1082N	157.6989E	400	
Petropavlovsk-Kamchatskiy Array Site A1	PEA1	Russia	53.1132N	157.6984E	391	
Petropavlovsk-Kamchatskiy Array Site A2	PEA2	Russia	53.1078N	157.7051E	381	
Petropavlovsk-Kamchatskiy Array Site A3	PEA3	Russia	53.1071N	157.6897E	415	
Petropavlovsk-Kamchatskiy Array site AOB	PEA0B	Kamchatskaya Oblast',Russia	53.1082N	157.6989E	380	
Petropavlovsk-Kamchatskiy Array Site B1	PEB1	Russia	53.1260N	157.6904E	369	
Petropavlovsk-Kamchatskiy Array Site B2	PEB2	Russia	53.1179N	157.7219E	367	
Petropavlovsk-Kamchatskiy Array Site B3	PEB3	Russia	53.1006N	157.7239E	406	
Petropavlovsk-Kamchatskiy Array Site B4	PEB4	Russia	53.0920N	157.6961E	432	
Petropavlovsk-Kamchatskiy Array Site B5	PEB5	Russia	53.1197N	157.6750E	430	
Petropavlovsk-Kamchatskiy Array site P	PETK	Kamchatskaya Oblast',Russia	53.1082N	157.6989E	400	
Petropavlovsk-Kamchatskiy Array site S2	PES2	Kamchatskaya Oblast',Russia	53.1096N	157.7226E	416	
PETROPAVLOVSK-KAMCHATSKY INFRASONIC ARRAY REFERENCE POINT	PETK	Kamchatskaya Oblast'	53.1058N	157.7139E	380	From 2006-10-30
Petroterminal	PTP1	Panama	8.2047N	82.4282W	10	
Petrulli	EPET	Sicily,Italy	37.7037N	15.1202E	630	From 1994-10-01
Pettibone, Tappen	D29A	North Dakota,U.S.A.	47.0605N	99.5957W	551	From 2009-08-05
Peulik 1	PLK1	Alaska,U.S.A.	57.8019N	156.6072W	78	
Peulik 2	PLK2	Alaska,U.S.A.	57.7642N	156.3243W	401	
Peulik 3	PLK3	Alaska,U.S.A.	57.6887N	156.2674W	494	
Peulik 4	PLK4	Alaska,U.S.A.	57.6321N	156.3577W	1031	
Peulik 5	PLK5	Alaska,U.S.A.	57.9977N	156.8777W	49	
Peulik Blue Creek	PLBL	Alaska,U.S.A.	57.6998N	156.8189W	461	
Peulik Whale Mountain	PLWL	Alaska,U.S.A.	58.0449N	156.3413W	0	
Peumo	U69B	O'Higgins,Chile	34.3707S	71.1762W	163	
Pezze di Greco (BR)	PE1	Italy	40.8050N	17.4230E	80	From 1983-07-01
Pfieffer Point	BPFM	California,U.S.A.	36.2300N	121.7720W	349	From 1973-12-18
Phalaborwa	PHW	South Africa	23.9505S	31.1388E	440	
Phaontom Ranch, North Zulch	437A	Texas,U.S.A.	30.8292N	96.1386W	95	From 2010-02-18
Phelps	PHEL	New York,U.S.A.	42.9542N	77.0950W	188	
Philadelphia	PHI	Pennsylvania,U.S.A.	39.9589N	75.1750W	5	From 1934-07-01 to 1971-08-28
Philippi	PX-WV	West Virginia,U.S.A.	39.0761N	79.9111W	518	
Philippi	PX-	West Virginia,U.S.A.	39.0761N	79.9111W	518	
Philisteinsche Polder	PPB	Netherlands	52.6533N	4.6701E	0	
Philisteinsche Polder (Bergen)	PPB1	Netherlands	52.6526N	4.6700E	-14	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB3	Netherlands	52.6526N	4.6700E	-164	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB2	Netherlands	52.6526N	4.6700E	-89	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB4	Netherlands	52.6526N	4.6700E	-239	From 2010-11-16
Phinny Hill Vineyards, Prosser	F07A	Washington,U.S.A.	45.8951N	119.9278W	227	From 2006-08-27 to 2008-12-03
Phuket	PKT	Thailand	8.0800N	98.1900E		From 1994-07-01
Phulchoki	PKIN	Nepal	27.5770N	85.3965E	2300	From 2007-04-17
Phu-Lien	PLV	Vietnam	20.8060N	106.6290E	90	From 1924-01-01
Piacenza	PCN	Italy	45.0500N	9.6667E		
Piancastagn	PCP	Italy	44.5413N	8.5452E	770	From 1989-03-15
Piano d'Api	EPAP	Sicily,Italy	37.6363N	15.1415E	295	From 1994-10-01
Piano di Cascina (Cagnano Amiterno)	RM09	Italy	42.4355N	13.1865E	1127	From 2009-04-07 to 2010-03-04
Piano Vulcano	PV6*	Sicily,Italy	38.3767N	14.9822E		From 1966-04-01 to 1966-05-01
Piatra Neamt	PTT	Romania	46.9347N	26.3861E	350	From 1987-01-15
Picacho	PICS	El Salvador	13.7394N	89.2550W	1960	From 1991-12-01
Picacho Peak	PIC	California,U.S.A.	32.9142N	114.6430W	263	
Picada	PICA	Costa Rica	10.0255N	83.7858W	2565	
Picayune	PC-MS	Mississippi,U.S.A.	30.5558N	89.7825W	12	From 1966-11-12 to 1966-12-06
Picayune	PC-	Mississippi,U.S.A.	30.5558N	89.7825W	12	From 1966-11-12 to 1966-12-06
Pichilemu	PICH	O'Higgins,Chile	34.3858S	72.0019W	30	
Pichincha	GPNO	Ecuador	0.1530S	78.6222W	4040	
Pickens	PKO	Oklahoma,U.S.A.	34.3973N	95.0311W	264	From 1987-10-16
Pickering	PKRO	Ontario,Canada	43.9643N	79.0714W	197	
Pickett Peak	KPPM	California,U.S.A.	40.3460N	123.3620W	1762	
Pickford	PF-MI	Michigan,U.S.A.	46.0878N	84.4608W	259	From 1963-01-03 to 1963-06-17
Pickford	PF-	Michigan,U.S.A.	46.0878N	84.4608W	259	From 1963-01-03 to 1963-06-17
Pickle Lake	PKLO	Ontario,Canada	51.4987N	90.3522W	376	
Pickwick Lake	PLAL	Alabama,U.S.A.	34.9824N	88.0755W	165	
Pickwick Lake	PWLA	Alabama,U.S.A.	34.9800N	88.0640W	204	From 1980-05-14
Pico	PICO	Azores,Portugal	38.5008N	28.4256W	775	From 1989-05-26
Pico Bartolomeu	BART	Azores,Portugal	37.7772N	25.1689W	887	
Pico da Cruz	PCRZ	Azores,Portugal	37.8448N	25.7585W	845	
Pico das Favas	PFAV	Azores,Portugal	38.7113N	27.0844W	153	From 2004-08-01
Pico do Norte, Sta. Barbara	PSMN	Azores,Portugal	37.0031N	25.0654W	276	From 2003-02-12
Pico dos Bois	PBOI	Azores,Portugal	38.4362N	28.3754W	540	From 2005-08-01
Pico dos Padres	PPAD	Azores,Portugal	38.7006N	27.2872W	305	From 2003-03-01
Pico do Teixo	PTEI	Azores,Portugal	38.4950N	28.3565W	820	From 2006-03-01
Pico El Aguila	EAV	Venezuela	8.8550N	70.8230W	4204	
Pico Espejo	PMV	Venezuela	8.5333N	71.0500W	4765	From 1979-01-01 to 2001-08-14
Pico Herrero	APHE	Spain	36.9520N	3.6880W	1360	
Pico Tres Padres	PTVM	Mexico D.F.,Mexico	19.5930N	99.1130W	2230	
Pico Vermelho	PVER	Azores,Portugal	37.7970N	25.5140W	135	From 2003-01-01
Piedade	PIED	Azores,Portugal	38.4190N	28.0538W	235	From 1993-02-02
Pie de Palo	PPA	San Juan,Argentina	31.5156S	68.2686W	550	
Piedimonte	EPMN	Sicily,Italy	37.8188N	15.1778E	470	From 1994-10-01
Piedmont	PDTN	Tennessee,U.S.A.	35.2733N	85.8495W	335	From 1985-09-19
Piedra Blanca	DR09	Dominican Republic	18.8113N	70.4166W	940	
Piedras Gordas	PGX	Baja California,Mexico	31.9620N	116.4420W	970	
Pieia	PIEI	Italy	43.5360N	12.5350E	665	From 2002-03-18
Pier 30 Seattle	PIER	Washington,U.S.A.	47.5835N	122.3409W	4	
Pierce County East Precinct	PCEP	Washington,U.S.A.	47.1119N	122.2901W	10	
Pierce County Firing Range	PCFR	Washington,U.S.A.	46.9898N	122.4409W	10	
Pierce County Mountain Detachment	PCMD	Washington,U.S.A.	46.8891N	122.3003W	239	
Pierce Ferry	PFA	Arizona,U.S.A.	36.1208N	114.0050W	417	From 1940-10-01 to 1952-06-30
Pierce Place, Pray	G17A	Montana,U.S.A.	45.3212N	110.7398W	1574	From 2007-10-20 to 2009-09-08
Pierpont	PPS	South Carolina,U.S.A.	32.8236N	80.0400W	4	From 1976-03-31
Pietermaritzburg	PTM	Natal,South Africa	29.6271S	30.4035E	671	
Pietermaritzburg	PIE	Natal,South Africa	29.6200S	30.3967E	656	From 1968-04-01 to 1999-08-25
Pietralunga - Aviosuperficie	ATPI	Italy	43.4507N	12.4022E	693	From 2009-03-17
Pietrapaola	PIPA	Italy	39.4851N	16.8158E	479	From 2008-07-02
Pietrapertosa	PTRP	Italy	40.5215N	16.0612E	1077	From 2003-12-05
Pietraquaria	PTQR	Italy	42.0219N	13.4006E	957	
Pietraroja	PTRJ	Italy	41.3641N	14.5290E	1027	From 2007-01-18
Pieve di Cadore	PDC	Italy	46.4100N	12.3700E		
Pigeon Bay	PBS	South Carolina,U.S.A.	33.2790N	80.2640W	25	From 1974-05-20 to 1988-05-23
Pigeon Point	PIG	Trinidad and Tobago	11.1610N	60.8410W		
Pignataro Maggiore	PIGN	Italy	41.2003N	14.1802E	343	From 2011-02-24
Pignola, Italy	PGN3	Italy	40.5722N	15.7967E	882	From 2008-10-23
Pilar	PIL	Cordoba,Argentina	31.6683S	63.8833W	338	
Pilar	SET3	Azores,Portugal	37.8918N	25.7820W	300	From 1998-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pilarcitos Creek	PCC	California,U.S.A.	37.5000N	122.3820W	91	From 1965-01-01
Pilbara Seismic Array Element 00	PSA00	Western Australia,Australia	21.5726S	119.8459E	244	From 2010-09-01
Pilbara Seismic Array Element A1	PSAA1	Western Australia,Australia	21.5767S	119.8363E	277	From 2010-09-01
Pilbara Seismic Array Element A2	PSAA2	Western Australia,Australia	21.5627S	119.8468E	265	From 2010-09-01
Pilbara Seismic Array Element A3	PSAA3	Western Australia,Australia	21.5781S	119.8548E	365	From 2010-09-01
Pilbara Seismic Array Element B1	PSAB1	Western Australia,Australia	21.5689S	119.8219E	282	From 2010-09-01
Pilbara Seismic Array Element B2	PSAB2	Western Australia,Australia	21.5552S	119.8612E	348	From 2010-09-01
Pilbara Seismic Array Element B3	PSAB3	Western Australia,Australia	21.5933S	119.8549E	309	From 2010-09-01
Pilbara Seismic Array Element C1	PSAC1	Western Australia,Australia	21.5333S	119.8091E	283	From 2010-09-01
Pilbara Seismic Array Element C2	PSAC2	Western Australia,Australia	21.5626S	119.9008E	324	From 2010-09-01
Pilbara Seismic Array Element C3	PSAC3	Western Australia,Australia	21.6218S	119.8278E	325	From 2010-09-01
Pilbara Seismic Array Element D1	PSAD1	Western Australia,Australia	21.4547S	119.8301E	260	From 2010-09-01
Pilbara Seismic Array Element D2	PSAD2	Western Australia,Australia	21.6175S	119.9630E	400	From 2010-09-01
Pilbara Seismic Array Element D3	PSAD3	Western Australia,Australia	21.6433S	119.7798E	312	From 2010-09-01
Pilgrim Ck.	I17A	Wyoming,U.S.A.	43.9200N	110.5759W	2134	From 2007-09-19
Pilot Hill	PHWY	Wyoming,U.S.A.	41.3016N	105.4578W	2645	
Pilot Hill -- Preliminary Site	PHWY1	Wyoming,U.S.A.	41.2855N	105.4453W	2666	
Pilot Knob	PLT	California,U.S.A.	32.7312N	114.7290W	61	From 1973-04-16
Pilot Rock	G08A	Oregon,U.S.A.	45.2904N	118.9595W	1318	From 2006-08-10 to 2008-12-03
Pilot Rock	PK-	Oregon,U.S.A.	45.3175N	118.9092W	1036	From 1962-06-06 to 1962-06-28
Pilot Rock	PK-OR	Oregon,U.S.A.	45.3175N	118.9092W	1036	From 1962-06-06 to 1962-06-28
Pinalito	DR3	Dominican Republic	19.2725N	70.7688W		
Pinalito	DR03	Dominican Republic	19.2725N	70.7688W	710	
Pinar	PINR	Spain	36.4990N	6.1183W	10	
Pinarbasi	PINB	Turkey	38.6769N	36.4027E	2288	From 2006-10-19
Pinares de Mayari	PINC	Cuba	20.4870N	75.7910W		
Pinarhisar	PHSR	Turkey	41.6307N	27.5239E	263	From 2009-07-09
Pinatubo--East Slope	PINP	Luzon,Philippines	15.2190N	120.3340E	350	
Pinawa	PWM	Manitoba,Canada	50.1919N	96.0364W	274	From 1978-10-06 to 1984-05-15
Pindari Dam	PDDM	Queensland,Australia	29.3801S	151.2429E	499	
Pindiu	PDUI	Papua New Guinea	6.4470S	147.5110E	950	From 1988-06-16
Pine Canyon	BPCM	California,U.S.A.	36.5650N	121.6360W	268	From 1976-02-14
Pine Canyon	PNC	California,U.S.A.	36.5622N	121.6360W	305	From 1967-09-24 to 1976-12-31
Pine Canyon	AN1*	California,U.S.A.	36.5622N	121.6360W	305	From 1967-09-24 to 1976-12-31
Pine Creek	PINI	Idaho,U.S.A.	43.5076N	111.3460W	1932	From 1986-01-01
Pine Creek	PN-OR	Oregon,U.S.A.	43.7431N	118.5772W	1250	
Pine Creek	PN-	Oregon,U.S.A.	43.7431N	118.5772W	1250	
Pinedale	PI2WY	Wyoming,U.S.A.	42.7672N	109.5619W	2195	
Pinedale	PI3	Wyoming,U.S.A.	42.4417N	109.5790W	2164	From 1973-10-18 to 1973-12-11
Pinedale	PI-WY	Wyoming,U.S.A.	42.4528N	109.5486W	2170	From 1964-01-22 to 1964-04-29
Pinedale	PI-	Wyoming,U.S.A.	42.4528N	109.5486W	2170	From 1964-01-22 to 1964-04-29
Pinedale	PI2	Wyoming,U.S.A.	42.7750N	109.7400W	234	From 1965-03-01 to 1965-04-26
Pinedale	PIN	Wyoming,U.S.A.	42.5825N	109.7170W	2225	From 1973-03-22 to 1973-06-08
Pinedale	PI6	Wyoming,U.S.A.	42.7262N	109.6060W	2225	From 1974-03-01 to 1976-01-31
Pinedale	PI5	Wyoming,U.S.A.	42.5671N	109.9120W	2273	From 1974-03-01 to 1976-01-31
Pinedale	PI1	Wyoming,U.S.A.	42.5953N	109.5450W	2195	From 1973-06-08 to 1973-08-13
Pinedale	PI4	Wyoming,U.S.A.	42.6283N	109.8930W	2194	From 1973-12-11 to 1974-02-22
Pinedale	PI7	Wyoming,U.S.A.	42.4397N	109.5730W	2179	From 1974-03-01 to 1976-01-31
Pinedale Array Beam Ref. Point	PDAR	Wyoming,U.S.A.	42.7667N	109.5579W	2214	
Pinedale Array Site 1	PD01	Wyoming,U.S.A.	42.7765N	109.5832W	2199	
Pinedale Array Site 10	PD10	Wyoming,U.S.A.	42.7595N	109.5570W	2216	
Pinedale Array Site 11	PD11	Wyoming,U.S.A.	42.7526N	109.5769W	2182	
Pinedale Array Site 12	PD12	Wyoming,U.S.A.	42.7551N	109.5631W	2186	
Pinedale Array Site 13	PD13	Wyoming,U.S.A.	42.7551N	109.5497W	2337	
Pinedale Array Site 2	PD02	Wyoming,U.S.A.	42.7782N	109.5664W	2218	
Pinedale Array Site 3	PD03	Wyoming,U.S.A.	42.7759N	109.5496W	2293	
Pinedale Array Site 31	PD31	Wyoming,U.S.A.	42.7667N	109.5579W	2214	
Pinedale Array Site 4	PD04	Wyoming,U.S.A.	42.7660N	109.5744W	2185	
Pinedale Array Site 5	PD05	Wyoming,U.S.A.	42.7704N	109.5666W	2184	
Pinedale Array Site 7	PD07	Wyoming,U.S.A.	42.7704N	109.5445W	2331	
Pinedale Array Site 8	PD08	Wyoming,U.S.A.	42.7589N	109.5836W	2190	
Pinedale Array Site 9	PD09	Wyoming,U.S.A.	42.7618N	109.5672W	2208	
Pinedale Infrasonic Array Beam Reference Point	PDIAR	Wyoming,U.S.A.	42.7663N	109.5939W	2332	
Pine Lake Middle School	PNLK	Washington,U.S.A.	47.5806N	122.0284W	10	
Pine Mountain	GPMM	California,U.S.A.	38.8475N	122.9463W	783	From 1973-09-21
Pine Mountain	PINOR	Oregon,U.S.A.	43.8111N	120.8719W		
Pine Mountain	VPIM	Oregon,U.S.A.	43.7908N	120.9450W	1932	
Pine Mountain	WPMQ	Queensland,Australia	27.5357S	152.7360E	35	From 1977-03-18
Pine Mountain	PEM	California,U.S.A.	34.1673N	117.8700W		From 1976-02-01
Pine Mountain	PMT	Oregon,U.S.A.	43.7909N	120.9450W	1924	From 1969-09-22 to 1984-01-17
Pine Mountain Observatory	PINE	Oregon,U.S.A.	43.7921N	120.9407W	1916	
Pine Pass	PPC	British Columbia,Canada	55.4000N	122.6170W		From 1969-07-01 to 1973-04-06
Pinerolo	PNI	Italy	44.9192N	7.3139E	585	From 1968-01-01 to 1990-12-31
Pine Spring	PSUT	Utah,U.S.A.	38.5337N	113.8547W	1999	From 2009-10-21
Pineville	PE-	West Virginia,U.S.A.	37.6147N	81.6653W	427	From 1962-07-06 to 1962-07-17
Pineville	PE-WV	West Virginia,U.S.A.	37.6147N	81.6653W	427	From 1962-07-06 to 1962-07-17
Pingtung City	TSPT	Taiwan region	22.6770N	120.4960E	25	From 1999-08-04
Pink Cliffs	PKCU	Utah,U.S.A.	37.4439N	112.3110W	2834	From 2009-10-24
Pinkham Creek	PNK	Montana,U.S.A.	48.7677N	115.0880W	1150	From 1971-02-01 to 1974-07-10
Pinlang	TWG	Taiwan region	22.8207N	121.0720E	195	From 1972-09-25
Pinnacle	PINM	Alaska,U.S.A.	60.0967N	140.2570W	975	From 1974-09-05
Pinnacle	PCA	Alaska,U.S.A.	60.0967N	140.2570W	975	From 1974-09-05
Pinnacle Mountain	PNN	Alaska,U.S.A.	56.8050N	157.5830W	442	
Pinnacles	BPIM	California,U.S.A.	36.4900N	121.1680W	329	From 1975-07-03
Pino	PINO	Ecuador	0.1580S	78.6077W	4600	
Pinole Ridge	CPIM	California,U.S.A.	37.9889N	122.2150W	226	
Pinon	PBVM	Mexico D.F.,Mexico	19.4412N	99.0843W		
PINON FLAT INFRASONIC ARRAY REFERENCE POINT	PFIAR	California	33.6059N	116.4533W	1251	From 2004-02-20
Pinotepa	PIO	Oaxaca,Mexico	16.3947N	98.1270W	200	
Pinotepa	PNIG	Guerrero,Mexico	16.3923N	98.1271W	350	
Pinto Mountains	PNMC	California,U.S.A.	33.9773N	115.8010W	1147	
Pinyon Flat Observatory	PFO	California,U.S.A.	33.6092N	116.4550W	1280	
Pinyon Flat Observatory TA	TPFO	California,U.S.A.	33.6060N	116.4544W	1277	From 2010-07-24
Pinyon Peak	BPPM	California,U.S.A.	36.1687N	121.3780W	1591	From 1973-12-19
Pioggiola	PGF	Corse,France	42.5483N	8.9994E	1130	From 1989-11-15
Pipehead	PHDM	New South Wales,Australia	33.8470S	150.9690E	90	
Piper Mountain	PPK	California,U.S.A.	37.4249N	117.9063W	1855	
Pipestone	PP-MN	Minnesota,U.S.A.	44.0775N	96.1508W	533	
Pipestone	PP-	Minnesota,U.S.A.	44.0775N	96.1508W	533	
Piqa, Costa Abajo de Colsn	PINA	Panama	9.2540N	80.0636W	34	From 2004-10-01
Piqua	PIOH	Ohio,U.S.A.	40.1580N	84.2115W	301	
Pira-Piraso	VPP	Luzon,Philippines	14.0340N	121.0000E	10	
Piriac/mer	PIAC	Pays de la Loire	47.3691N	2.5392W	3	From 2008-05-08
Pirkuli	PRLS	Azerbaijan	40.7850N	48.5900E	1448	From 1996-01-01
Pirkuli	PQL	Azerbaijan	40.7890N	48.5930E	1481	From 2003-08-01
Pirmasens	PIR	Rheinland-Pfalz,Germany	49.2000N	7.6074E	400	From 1968-01-01
Pirpir	IPIR	Iran	32.6841N	50.8917E	2600	From 2000-09-01
Pirque	PCH	Santiago,Chile	33.6208S	70.5139W	1010	From 1982-01-01
Pisa	PII	Italy	43.7219N	10.5249E	66	
Pisa	PIS	Italy	43.5833N	10.6833E		
Pisagua	PSGC	Tarapaca,Chile	19.5969S	70.1228W	966	
Pisayambo	PISA	Ecuador	1.0585S	78.3855W	3931	From 1995-02-10
Pisco	PT06	Peru	13.8292S	76.3310W	220	
Pishtovo	PSV	Tajikistan	38.6000N	69.9000E		
Pistoia	PSL	Italy	44.0078N	10.9656E	810	
Pistol Creek	PCMT	Montana,U.S.A.	47.2152N	114.0278W	1873	
Piszkesteto	PSZ	Hungary	47.9184N	19.8944E	940	
Pitanga	PTGB	Parana	24.7161S	52.0648W	907	
Pitcairn Island	PTCN	Pitcairn Island	25.0714S	130.0953W	223	
Pitcher Mountain	PNH	New Hampshire,U.S.A.	43.0942N	72.1358W	659	From 1976-01-01
Pitchstone Plateau	YPP	Wyoming,U.S.A.	44.2710N	110.8045W	2707	
Pithoragarh	PTH	Uttar Pradesh,India	29.5500N	80.2167E	1669	
Pitinga	PTGA	Brazil	0.7308S	59.9666W	137	From 1995-01-01
Piton Saint Espirit	SLPE	St Lucia	13.8431N	60.9952W	460	
Pitten	PIA	Austria	47.7175N	16.1931E	380	
Pitt Meadows	PIMB	British Columbia,Canada	49.2743N	122.6661W	43	
Pittsburgh	PIT	Pennsylvania,U.S.A.	40.4450N	79.9533W	273	From 1929-01-01 to 1962-01-31
Piute Mountains	PIU	California,U.S.A.	34.7403N	115.0940W	1209	From 1974-04-01 to 1976-10-31
Piute Reservoir	PUU	Utah,U.S.A.	38.3633N	112.2800W	2598	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Piuthan	PYUN	Nepal	28.1000N	82.9900E	1867	From 1994-04-01
Piva	PIV	Solomon Islands,Papua New Guinea	6.2000S	155.0580E	60	
Pizona Creek	PZC	California,U.S.A.	37.9652N	118.5683W	2103	
Pizzano Val di Parma - PR	RE07	Italy	44.5259N	10.1984E	745	From 2008-12-27 to 2009-02-12
Pizzo Deneri	EPDN	Sicily,Italy	37.7670N	15.0173E	2820	From 1989-08-01
Pizzo Felice	EPZF	Sicily,Italy	37.8240N	14.8570E	1140	From 1990-04-01
Pizzo Paviglione	EPPA	Sicily,Italy	37.7888N	14.9078E	1275	From 1994-10-01
Placanica	PLAC	Italy	38.4494N	16.4383E	602	From 2005-10-18
Placerville	I11A	Idaho,U.S.A.	43.9121N	115.9578W	1288	From 2006-11-16 to 2008-07-21
Plains	T30A	Kansas,U.S.A.	37.0526N	100.5274W	778	From 2009-04-09
Plano	RFTA	Texas,U.S.A.	33.0122N	96.6902W	200	
Plant 15--Mercuryville	GFTM	California,U.S.A.	38.7930N	122.8340W	755	
Plasencia	EPLA	Spain	40.0642N	6.0803W	591	From 1985-08-01
Plata	PLAT	Spain	36.1226N	5.7655W	414	
Platanillo	PLIG	Guerrero,Mexico	18.3923N	99.5023W	875	
Plateau Road	PRRZ	North Island,New Zealand	38.4989S	176.3929E	392	From 2007-11-14
Plate Boundary	PB09	Antofagasta,Chile	21.7964S	69.2419W	1530	
Plate Boundary	PB07	Antofagasta,Chile	21.7266S	69.8861W	1570	
Plate Boundary	PB06	Antofagasta,Chile	22.7058S	69.5717W	1440	
Plate Boundary	PB04	Antofagasta,Chile	22.2653S	69.4872W	0	
Plate Boundary	PB11	Tarapaca,Chile	19.7610S	69.6557W	1400	
Plate Boundary	PB01	Tarapaca,Chile	21.0431S	69.4872W	900	
Plate Boundary Site 02	PB02	Tarapaca,Chile	21.3197S	69.8960W	1015	
Plate Boundary Site 03	PB03	Antofagasta,Chile	22.0476S	69.7533W	1460	
Plate Boundary Site 08	PB08	Tarapaca,Chile	20.1411S	69.1535W	3060	
Plate Boundary Site 10	PB10	Antofagasta,Chile	23.5134S	70.5541W	250	
Platees	VIL2	Greece	38.2118N	23.2680E	422	From 2008-12-29
Platillon	PLAV	Venezuela	9.8740N	67.5024W	1830	From 1984-01-01
Platte Center	PCNE	Nebraska,U.S.A.	41.5392N	97.4275W	482	
Plattsburgh	PNZ	New York,U.S.A.	44.8354N	73.5770W	215	
Plattsburgh	PNY	New York,U.S.A.	44.8342N	73.5550W	177	From 1971-08-01 to 2004-03-11
Plauen	PLN	Thuringen,Germany	50.4851N	12.1573E	432	
Plav	PVY	Montenegro	42.5945N	19.9587E	1303	From 1984-11-01
Playas Peak, Playas	220A	New Mexico,U.S.A.	31.9041N	108.5266W	1395	From 2008-02-15 to 2009-12-10
Playas-San Antonio	PLAY	Colombia	2.5425S	80.3840W	35	From 2008-12-15
Playitas	PYTN	Nicaragua	12.5377N	86.0577W	460	
Playitas	PYT	Nicaragua	12.5282N	86.0647W	460	From 1975-01-01
Pleasant Camp	PLBC	British Columbia,Canada	59.4567N	136.3650W	280	From 1990-09-20
Pleasant Grove	PGM	Mississippi,U.S.A.	34.4640N	90.1125W	105	From 1979-08-24
Pleasanton	CPNM	California,U.S.A.	37.6502N	121.8620W	200	From 1980-01-01
Pleasant Valley	JPLM	California,U.S.A.	36.9770N	121.8320W	158	
Pleasant Valley	PEV	California,U.S.A.	36.9770N	121.8320W	158	
Pleito Hills	PLEC	California,U.S.A.	34.9685N	119.0680W	1082	
Plekhanov	TI2	Georgia	41.7333N	44.7500E	420	From 1978-01-01
Plevna	PLVO	Ontario,Canada	45.0396N	77.0754W	279	
Pljevlja	PLE	Montenegro	43.3300N	19.3889E	1230	From 1983-12-25
Plockton	KPL	Scotland,United Kingdom	57.3391N	5.6527W	36	From 1986-04-18
PLOIESTI	PLAR	Romania	44.9142N	26.0274E	146	From 2008-11-19
PLOIESTI	PPF	Romania	44.9314N	26.0201E	151	From 2008-11-18
Plons/SG	PLONS	Switzerland	47.0492N	9.3807E	1020	From 2002-05-21
Plostina	PLOR	Romania	45.8512N	26.6498E	657	From 2004-09-01
Plostina	PLOR7	Romania	45.8603N	26.6405E	757	From 2010-04-14
Plostina Array site 1	PLOR1	Romania	45.8520N	26.6466E	706	From 2007-10-07
Plostina Array site 2	PLOR2	Romania	45.8502N	26.6437E	701	From 2007-10-07
Plostina Array site 3	PLOR3	Romania	45.8540N	26.6455E	722	From 2007-10-07
Plostina Array site 4	PLOR4	Romania	45.8512N	26.6498E	680	From 2007-10-07
Plostina Array site 5	PLOR5	Romania	45.8455N	26.6635E	650	From 2009-01-19
Plostina Array site 6	PLOR6	Romania	45.8420N	26.6416E	720	From 2009-01-19
Plovdiv	PLD	Bulgaria	42.1049N	24.7031E	176	From 1983-08-01
Plymouth	PLY	Trinidad and Tobago	11.2170N	60.7790W	9	
Poas	POA	Costa Rica	10.1523N	84.2171W	2093	From 1984-03-17 to 1986-05-06
Poas 2	POA2	Costa Rica	10.1772N	84.2508W	2500	From 1986-05-06
Poatina	POAT	Tasmania,Australia	41.8173S	146.9033E	834	
Poblet	EPOB	Spain	41.3527N	1.0786E	890	
Pocatello Creek	PTI	Idaho,U.S.A.	42.8703N	112.3700W	1670	From 1984-11-01
Pocatky	POCA	Czech Republic	50.3193N	12.4346E	800	
Po¯¡tky	POCW	Czech Republic	50.3200N	12.4270E	790	From 2004-04-01
Pochutla	PLO	Oaxaca,Mexico	15.7402N	96.4583W	280	
Podgorica	PDG	Montenegro	42.4302N	19.2553E	97	From 1960-01-01
Podgorica	TTG	Montenegro	42.4297N	19.2608E	40	From 1960-01-01
Podgornoye	PDGK	Kazakhstan	43.3274N	79.4849E	0	
Podkova	PDK	Kamchatskaya Oblast',Russia	56.1400N	160.7800E	800	
Podkum	PDKS	Slovenia	46.0612N	14.9978E	679	
Pofadder	POF	Cape Province,South Africa	29.3817S	19.9500E	940	From 1986-01-01 to 2000-09-01
Poggio Cancelli	RM32	Italy	42.5702N	13.2932E	1362	From 2009-09-18 to 2010-02-15
Poggio Castellaccio	ATPC	Italy	43.4807N	12.4570E	609	From 2009-01-26
Poggio di Roio	T0108	Italy	42.3354N	13.3765E	1013	From 2009-04-09 to 2009-11-26
Poggio Santa Maria	T0101	Italy	42.3308N	13.3026E	850	From 2009-04-06
Poggio Sant'Ercolano (Gualdo Tadino) PG	AT06	Italy	43.2315N	12.7115E	619	From 2010-04-20
Poggio Sodo	PGD	Italy	43.8753N	11.7214E	500	
Pogoanele	PGOR	Romania	44.9080N	26.9846E	98	From 2004-05-06
Pogromni	WPOG	Alaska,U.S.A.	54.5970N	164.7450W	445	
Pohakuloa	POHA	Hawaii,U.S.A.	19.7575N	155.5325W	1967	
Pohang	KSPHA	South Korea	36.1929N	129.3708E	39	From 2004-12-20
Pohang	KSPOH	South Korea	36.0245N	129.3758E	1	
Pohang	PHN	South Korea	36.0300N	129.3600E		
Pohnpei	PATS	Caroline Islands,Micronesia	6.8367N	158.3125E	10	
Pohoiki	POH	Hawaii,U.S.A.	19.4570N	154.8540W	16	
Poiana Mare	PMRF	Romania	45.3328N	25.9374E	1164	
Point Arena AFB	GAFM	California,U.S.A.	38.8932N	123.5380W	710	
Point Barrow	PTB	Alaska,U.S.A.	71.1333N	156.8000W		
Point Dume	PT2	California,U.S.A.	34.0042N	118.8060W	40	
Pointe Anglais	ICQ	Quebec,Canada	49.5217N	67.2719W	58	From 1991-01-08
Pointe-a-Pierre	TPP	Trinidad and Tobago	10.3170N	61.4510W	46	
Pointe Michel	DPMT	Dominica	15.2609N	61.3770W	50	
Pointe Molloy	PMK	Kerguelen Islands	49.3609S	70.0669E	22	
Pointe noire	GCPN	Guadeloupe	16.2344N	61.7883W	15	From 2007-02-01
Point Lisas	PLS	Trinidad and Tobago	10.4130N	61.4900W		From 1977-10-01 to 1978-06-01
Point Lookout	PLVA	Virginia,U.S.A.	36.6673N	81.1582W	1353	From 1982-11-30 to 2008-02-13
Point Molate	CPMM	California,U.S.A.	37.9490N	122.4080W	116	
Point of Rocks Canyon, Magdalena	Y21A	New Mexico,U.S.A.	34.0087N	107.6740W	2168	From 2008-01-31
Point Pleasant	PPLM	Missouri,U.S.A.	36.4034N	89.5831W	82	
Point Reyes	NPRM	California,U.S.A.	37.9965N	123.0160W	165	
Point Reyes	PRC	California,U.S.A.	38.0800N	122.8670W	404	
Point Sur Hydrophone	PSUR	California,U.S.A.	36.3016N	122.3933W		
Pokaka	PKVZ	North Island,New Zealand	39.2911S	175.3461E	770	From 2005-03-16
Pola	POL	Croatia	44.8667N	13.8500E	32	
Polcenigo	POLC	Italy	46.0266N	12.5005E	150	From 2008-07-17
Pole Canyon	PCY	Utah,U.S.A.	38.3330N	112.9010W	2033	
Pole Creek	PCID	Idaho,U.S.A.	43.9137N	114.7780W	2262	From 1992-12-01
Pole Mountain	PMW	Wyoming,U.S.A.	41.2100N	105.3350W	2240	From 1961-12-08 to 1963-08-31
Pole Mountain	PM-WY	Wyoming,U.S.A.	41.2075N	105.3608W	2469	From 1961-11-25 to 1963-07-10
Pole Mt.	PM-	Wyoming,U.S.A.	41.2075N	105.3608W	2469	From 1961-11-25 to 1963-07-10
Polichno	POLL	Slovakia	48.3578N	19.1575E	550	From 2002-10-01
Polilio Island	POLP	Luzon,Philippines	14.7280N	121.9390E	32	
Polino	PO9	Italy	42.5806N	12.8836E		
Polino	POI	Italy	42.5806N	12.8836E	1200	
Poliokeawe Pali	PWH	Hawaii,U.S.A.	19.2837N	155.2250W	169	From 1973-05-23
Pollina	PLLN	Sicily,Italy	37.9919N	14.1436E	762	
Polly Butte	POB	California,U.S.A.	33.6867N	116.9230W	1003	
Poltava	NE58	Ukraine	49.6030N	34.5430E	166	
Polygyros	PLG	Greece	40.3739N	23.4456E	580	
Pomanovo	PR1R	Permskiy Kray,Russia	59.1846N	56.7446E	160	
Pomariorio	PMO	Tuamotu,French Polynesia	15.0017S	147.8942W	2	
Pomariorio Reef	PMOR	Tuamotu,French Polynesia	15.0022S	147.8942W	2	
Pomeroy	PH-WA	Washington,U.S.A.	46.3236N	117.3281W	945	
Pomio	PNB	New Britain,Papua New Guinea	5.5250S	151.5080E	4	From 1971-08-06 to 1972-05-31
Pomona	PCF	California,U.S.A.	34.0532N	117.7910W		From 1976-01-01
Pomona	POM	California,U.S.A.	34.1000N	117.7170W	350	From 1949-01-01 to 1999-08-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pompeii	PMP	Italy	40.7500N	14.5000E		
Ponca City	PCO	Oklahoma,U.S.A.	36.6930N	96.9825W	324	From 1977-07-05
Ponce	PZ-PR	Puerto Rico	17.9700N	66.4178W	5	From 1963-09-10 to 1964-03-13
Ponce	PON	Puerto Rico	18.0033N	66.6139W	50	From 1974-08-16 to 1975-07-17
Ponce	PZ-	Puerto Rico	17.9700N	66.4178W	5	From 1963-09-10 to 1964-03-13
Ponciano Ridge	BPRM	California,U.S.A.	36.4070N	121.7300W	741	
Pond Inlet	PINU	Nunavut,Canada	72.6971N	77.9748W	36	
Pondosa	LPDM	California,U.S.A.	41.1953N	121.6960W	1231	
Poneloya	PYN	Nicaragua	12.3822N	87.0223W	50	From 1975-01-01
Pong	PONG	India	31.9533N	75.9500E	0	
Pongaroa	PGZ	North Island,New Zealand	40.6188S	176.2737E	60	From 1988-04-01 to 1996-06-30
Pongola	POGA	South Africa	27.3698S	31.6117E	290	From 2005-03-04
Pongola	POG	Natal,South Africa	27.3698S	31.6117E	290	From 1994-01-01 to 2005-10-30
Ponta Delgada	PDA	Azores,Portugal	37.7467N	25.6633W	35	
Ponta do Capelo	PTCA	Azores,Portugal	38.5845N	28.7966W	243	From 2005-08-01
Ponta Puerca	PTP	Puerto Rico	18.2362N	65.6175W		
Pont de Suert	PONT	Spain	42.4043N	0.7573E	1220	
Pontebba	POBI	Italy	46.5133N	13.2767E	860	From 1983-01-30 to 1988-01-01
Ponte de Pedra	PP1B	Mato Grosso,Brazil	17.6003S	54.8797W	368	From 2003-06-19
Pontenova	EPON	Spain	43.3270N	7.1494W	440	
Pontiac	PW-IL	Illinois,U.S.A.	40.9161N	88.5853W	210	From 1966-06-29 to 1966-06-30
Pontiac	PW-	Illinois,U.S.A.	40.9161N	88.5853W	210	From 1966-06-29 to 1966-06-30
Pontianak	PTKI	Kalimantan,Indonesia	0.1454S	109.4049E	0	From 2005-01-01
Pony Springs, Pioche	R12A	Nevada,U.S.A.	38.3281N	114.6076W	1845	From 2007-01-25 to 2008-09-10
Poona	POO	Maharashtra,India	18.5295N	73.8492E	560	From 1964-10-05
Poorman Mine	PMC	Colorado,U.S.A.	40.0300N	105.3370W	1990	From 1965-01-01 to 1969-12-31
Popeni	PPE	Romania	46.2578N	27.8503E	267	From 1981-01-01
Popesti-Leordeni	POPR	Romania	44.3554N	26.2034E	109	From 2003-11-02
Popiglio	POPM	Italy	44.0450N	10.7570E	440	From 2004-01-01
Poplar Bluff	PBMO	Missouri,U.S.A.	36.7786N	90.4297W	143	
Popocatepetl	PPM	Puebla,Mexico	19.0667N	98.6267W	3980	
Popondetta	POP	Papua New Guinea	8.7344S	148.2490E	100	From 1964-12-01 to 1966-02-28
Poppy Hill Road	APRM	California,U.S.A.	38.8770N	121.2170W	133	From 1976-07-15
Porangahau	PRHZ	North Island,New Zealand	40.2681S	176.6350E	326	From 2008-01-14
Porcher Bluff	PBF	South Carolina,U.S.A.	32.8585N	79.7642W	-58	
Porculla	PT18	Peru	5.8620S	79.4870W	2970	
Porcupine Dome	PRP	Alaska,U.S.A.	65.5178N	145.5220W	1498	From 1990-02-16
Pores Knob	PKNC	North Carolina,U.S.A.	36.0460N	81.1580W	785	From 1982-11-11 to 2008-02-13
Pori Road	PRWZ	North Island,New Zealand	40.5564S	175.9708E	303	From 2008-11-03
Porkkala	PKK	Finland	60.0052N	24.5169E	10	
Portachuelo	PCHP	Peru	6.0330S	79.6830W	150	
Portage	PTE	Alaska,U.S.A.	60.8645N	149.0240W	55	From 1972-08-29
Portage	PTU	Utah,U.S.A.	41.9293N	112.3250W	2192	From 1976-12-17
Portage Bay	POBM	Missouri,U.S.A.	36.4085N	89.6622W	82	
Portageville	PGVM	Missouri,U.S.A.	36.4602N	89.7290W	82	
Portageville	PTG	Missouri,U.S.A.	36.4277N	89.7037W		
Portageville	PVMO	Missouri,U.S.A.	36.4137N	89.6997W	98	
Portalegre	PRL	Portugal	39.3117N	7.3594W	1020	
Port Alice, BC	PACB	British Columbia,Canada	50.4355N	127.4925W	24	From 2010-06-24
Port Angeles	B04A	Washington,U.S.A.	48.0575N	123.5040W	293	From 2005-10-21 to 2008-02-15
Port Antonio	PAJ	Jamaica	18.1700N	76.4560W	201	
Port-au-Prince	PAPH	Haiti	18.5225N	72.2993W	218	
Port-aux-Francais	PAF	Kerguelen Islands	49.3506S	70.2133E	17	
Port Bizet	KPB	Kerguelen Islands	49.5200S	69.9010E		From 1974-02-01
Port Blair	PBA	Andaman Islands,India	11.6559N	92.7428E	17	
Port Clements	PCB	British Columbia,Canada	53.7061N	132.5670W	634	
Port Colborne	PTCO	Ontario,Canada	42.8844N	79.3115W	180	
Port Douzieme	KPD	Kerguelen Islands	49.5170S	70.1570E		From 1974-02-01
Porterfield Farm, Petersburg	Y29A	Texas,U.S.A.	33.8602N	101.6712W	991	From 2009-01-30
Port Fidalgo	FID	Alaska,U.S.A.	60.7500N	146.4790W	457	From 1974-10-07
Port Gamble	PGW	Washington,U.S.A.	47.8219N	122.5990W	122	
Port Hardy	PHC	British Columbia,Canada	50.7067N	127.4320W	33	From 1962-12-01
Port Heiden	PHA	Alaska,U.S.A.	56.9883N	158.6750W		
Port Laguerre	NOUC	New Caledonia	22.1011S	166.3030E	112	From 1988-03-21
PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	C2FP	New Caledonia	22.1844S	166.8459E	272	From 2002-03-29
Portland	PTD	Oregon,U.S.A.	45.5083N	122.7160W	208	From 1964-05-01
Portland	POR	Maine,U.S.A.	43.6833N	70.2833W		
Portland Cottage	PCJ	Jamaica	17.7413N	77.1574W	98	From 1978-07-20
Port Lavaca	737A	Texas,U.S.A.	28.7639N	96.4402W	11	From 2010-05-25
Port Louis	SEG	Guadeloupe	16.4028N	61.5052W	60	From 1981-01-01
Port Mandanici	MPNC	Sicily,Italy	38.1450N	15.3520E	385	From 1993-12-01
Port Miou	MIOU	France	43.2090N	5.5130E	5	
Port Moller	PMA	Alaska,U.S.A.	55.9786N	160.4970W	314	From 1972-09-16 to 1978-10-12
Port Moresby	PMG	Papua New Guinea	9.4062S	147.1590E	65	From 1957-12-01
Porto	PTO	Portugal	41.1386N	8.6022W	88	From 1912-01-01
Porto Alegre	UFRS	Rio Grande do Sul,Brazil	30.0540S	51.1244W	296	From 1994-04-01
Porto Cannone	PTC	Italy	41.9297N	15.0425E	40	
Porto d'Ischia	PDI	Italy	40.7333N	13.9500E	37	
Portola Park	JPPM	California,U.S.A.	37.2645N	122.2130W	186	From 1966-12-22
Portola State Park	LT3	California,U.S.A.	37.2645N	122.2130W	186	From 1966-12-22
Porto Moniz, Madeira	PMOZ	Madeira Islands,Portugal	32.8230N	17.1970W	1027	From 2008-09-01
Porto Murtinho	PTMB	Mato Grosso,Brazil	21.4631S	57.4756W	240	From 1994-10-01
Porton East	POE	England,United Kingdom	51.1447N	1.6539W	125	From 1975-09-28
Porton South	POS	England,United Kingdom	51.1381N	1.6333W	122	From 1977-11-01 to 1978-07-12
Porto Primavera	POPB	Brazil	22.4565S	52.8368W	280	
Porto Santo	PMPS	Madeira Islands,Portugal	33.0570N	16.3330W	47	
Porto Santo, Madeira	PMPST	Madeira Islands,Portugal	33.0788N	16.3334W	240	From 2008-06-06
Port Pirie	PTPS	South Australia,Australia	33.1725S	137.9943E	9	From 2009-01-01
Port Renfrew	PFB	British Columbia,Canada	48.5717N	124.4400W	550	From 1983-06-15
Port Royal	PRJ	Jamaica	17.9352N	76.8438W	2	From 1969-08-09
Portsmouth	PSDMZ	Dominica	15.5770N	61.4563W	0	
Port Stanley	PSF	Falkland Islands	51.7000S	57.8667W		
Portuguez	PORP	Puerto Rico	18.0629N	66.6363W	199	From 1989-08-01
Port Vila	PVC	Vanuatu	17.7400S	168.3120E	80	From 1960-01-01
Port Wells	PWL	Alaska,U.S.A.	60.8593N	148.3350W	549	
Porvoo	PRF	Finland	60.3855N	25.6805E	10	
Porvoo	PRV	Finland	60.3571N	25.5584E	25	
Posio	KU3	Finland	66.1469N	28.5984E	245	From 2004-12-15
Posof	EPOS	Turkey	41.5035N	42.7279E	1499	From 2009-09-30
Post	PO-TX	Texas,U.S.A.	33.4756N	101.3622W	914	From 1961-12-09 to 1961-12-20
Post	PO-	Texas,U.S.A.	33.4756N	101.3622W	914	From 1961-12-09 to 1961-12-20
Posta Fibreno	POFI	Italy	41.7174N	13.7120E	878	From 2007-03-28
Poste Baleine	PBQ	Quebec,Canada	55.2767N	77.7433W	20	
Post Office Road	POWZ	New Zealand	40.3935S	175.7678E	295	From 2008-04-23
Post Ranch	BPOM	California,U.S.A.	36.2287N	121.7670W	354	
Potato Knob	PKKY	Kentucky,U.S.A.	38.3830N	83.0340W	336	From 1985-01-01
Potenciana	PTCR	Costa Rica	9.7895N	84.4295W	1510	From 1984-03-17
Potenciana 2	POCR	Costa Rica	9.7843N	84.4042W	1360	
Potenza	PZUN	Italy	40.6459N	15.8071E	0	From 2005-07-25
Potrerito	POTV	Venezuela	9.9980N	67.4508W	1002	From 2004-07-01
Potrero Grande	POGM	Guerrero,Mexico	17.3752N	100.6213W	650	
Potrero Hills, Fairfield	POTR	California,U.S.A.	38.2026N	121.9353W	20	From 1998-12-10 to 2005-02-05
Potsdam	POT	Brandenburg,Germany	52.3803N	13.0678E	80	
Potsdam Coll	POTS	New York,U.S.A.	44.6634N	74.9732W	112	From 2006-05-22
Potsdam (NY)	PTN	New York,U.S.A.	44.5700N	74.9819W	197	From 1971-10-01
Potts Junction	PJG	Mariana Islands	13.5893N	144.8684E	199	From 1957-05-01
Potts Mountain	VWV	Virginia,U.S.A.	37.4660N	80.3917W	963	
Pottstown	PJ-PA	Pennsylvania,U.S.A.	40.2828N	75.5836W	91	
Pouilloux	POU	Bourgogne,France	46.6146N	4.3652E		
Poverty Ridge	CB7	California,U.S.A.	37.4292N	121.7425W	975	From 1968-07-12 to 1970-05-07
Powell	H19A	Wyoming,U.S.A.	44.6704N	108.9857W	1479	From 2008-08-13
Powhatan	POW	Arkansas,U.S.A.	36.1520N	91.1850W	156	From 1974-06-19 to 1992-02-29
Poza Rica	PZX	Veracruz,Mexico	20.5389N	97.4592W	150	
Pozo Almonte	POZO	Chile	20.2525S	69.7594W	1024	From 2009-12-04
Pozo tres de Borinquen	PBO3	Costa Rica	10.8063N	85.4238W	583	From 2000-01-01
Pozza Ferrara, Ferrara di Monte Baldo (VR)	PZF	Italy	45.6558N	10.8322E	1095	From 2006-11-16
Pozzilli	PLI2	Italy	41.5314N	14.0586E	575	
Pozzillo	EPOZ	Italy	37.5136N	15.0822E	117	From 2006-07-12
Pozzuoli	IPOZ	Italy	40.8203N	14.1205E	3	From 1982-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Prada, Italy	MPRD	Italy	45.9534N	11.8986E	705	From 2010-06-08
Prado	PRAC	Colombia	3.6953N	74.9013W	414	From 1994-01-01
Pradon	PRAF	Provence-Cote d'Azur,France	43.8042N	5.1692E	700	From 1982-11-01
Prague	PRA	Czech Republic	50.0703N	14.4331E	225	
Prainha do Norte	PPNO	Azores,Portugal	38.4716N	28.2638W	725	From 2002-08-01
Prairie City	H08A	Oregon,U.S.A.	44.5191N	118.6704W	1373	From 2006-07-28 to 2008-07-10
Prapat	PSI	Sumatera,Indonesia	2.8010N	98.9240E	987	
Prato	PTF	Italy	43.9594N	11.0697E	550	
Pratopiano (Palanzano) - PR	RE06	Italy	44.4511N	10.2304E	680	From 2008-12-28 to 2009-02-12
Prato-Toscana	PRT	Italy	43.8800N	11.0942E	61	
Presa Benito Juarez	PBJ	Oaxaca,Mexico	16.4367N	95.4067W	213	
Presa Caracol 1	CC1	Guerrero,Mexico	17.9400N	100.0100W	1000	
Presa Caracol 2	CC2	Guerrero,Mexico	17.9930N	100.1010W	1000	
Presa Caracol 3	CC3	Guerrero,Mexico	17.9885N	99.9847W		
Presa Caracol 4	CC4	Guerrero,Mexico	18.0200N	99.9000W	1000	
Presa Caracol 5	CC5	Guerrero,Mexico	17.5400N	99.2780W		
Presa de Sabaneta	SDDR	Caribbean Sea,U.S.A.	18.9821N	71.2878W	589	
Presa Infiernillo	PIM	Guerrero,Mexico	18.2750N	101.8820W	81	
Presa Madin	MDVM	Mexico D.F.,Mexico	19.5365N	99.2490W	2405	
Presa Malpaso	PMM	Chiapas,Mexico	17.1700N	93.6028W	215	
Presa Marin	PNVM	Mexico D.F.,Mexico	19.3470N	98.9180W		
Presa Penitas 1	PN1	Chiapas,Mexico	17.4690N	93.4880W		
Presa Penitas 2	PN2	Chiapas,Mexico	17.4380N	93.4505W		
Presa Penitas 3	PN3	Chiapas,Mexico	17.3540N	93.6080W		
Presa Penitas 4	PN4	Chiapas,Mexico	17.1790N	93.3950W		
Preselentsi	PSN	Bulgaria	43.6822N	28.1836E	171	From 1983-08-01
Presidente	PPD	Sao Paulo,Brazil	22.0314S	51.3119W	406	From 1988-02-01
Presidio of San Francisco	JPRM	California,U.S.A.	37.7950N	122.4740W	107	From 1968-09-26
Presque Isle	PQI	Maine,U.S.A.	46.6710N	68.0168W	180	
Preston	PQ-ID	Idaho,U.S.A.	42.2281N	111.7158W	1554	
Preston Nutter Ranch, Sunnyside	P18A	Utah,U.S.A.	39.6279N	110.2457W	2743	From 2007-07-26 to 2009-06-03
Pretoria	PRE	Transvaal,South Africa	25.7533S	28.1900E	1333	From 1949-01-01 to 1999-08-25
Preza	PRZA	Albania	41.4300N	19.6700E	230	From 2002-09-05
Pribbeno Ranch, Imperial	N28A	Nebraska,U.S.A.	40.6873N	101.5406W	1009	From 2009-05-20
Price	KPE	Alaska,U.S.A.	64.4608N	146.8960W	204	From 1994-10-01
Price	PCU	Utah,U.S.A.	39.6067N	110.8050W	1714	From 1962-05-01
Priddis	PRDA	Alberta,Canada	50.8674N	114.2918W	1252	From 2009-11-13
Prieska	PKA	Cape Province,South Africa	29.6700S	22.7567E	960	From 1993-03-01
Priest	PRI	California,U.S.A.	36.1417N	120.6650W	1187	From 1961-01-01
Prince Edward County	PECO	Ontario,Canada	43.9340N	76.9939W	92	
Prince George	PG2BC	British Columbia,Canada	53.9911N	122.5122W	747	
Prince George	PG-BC	British Columbia,Canada	53.9972N	122.5231W	914	
Prince George	PG-	British Columbia,Canada	53.9972N	122.5231W	914	
Prince Lake	PRLK	Oregon,U.S.A.	44.2097N	121.9626W	1283	From 2007-08-17
Prince Rupert	RUB	British Columbia,Canada	54.3259N	130.2867W	53	From 1985-09-01 to 2006-03-28
Prince Rupert	RUBB	British Columbia,Canada	54.3262N	130.2523W	12	
Princess Elisabeth base, Queen Maud Land, Antarctica	ELIB	Antarctica	71.9470S	23.3469E	1359	From 2010-02-23
Princeton	PRIN	New Jersey,U.S.A.	40.3669N	74.7179W	110	From 1977-03-01
Princeton	PANJ	New Jersey,U.S.A.	40.3769N	74.7029W	100	From 2008-02-15
Princeton	PD-	British Columbia,Canada	49.3922N	120.4764W	914	From 1962-07-06 to 1962-07-17
Princeton	PD-BC	British Columbia,Canada	49.3922N	120.4764W	914	From 1962-07-06 to 1962-07-17
Princeton	PWV	West Virginia,U.S.A.	37.3360N	81.0478W	829	From 1978-03-01 to 2006-02-27
Prines Rethymno	PRNS	Crete,Greece	35.3649N	24.5015E	51	From 2006-12-01
Prineville	I06A	Oregon,U.S.A.	43.9437N	120.2107W	1296	From 2006-02-02 to 2008-04-09
Priterechnaya	PRTR	Severo-Osetinskaya,Russia	43.7515N	44.2820E	136	From 2005-08-08
Prizren	PRZK	Kosovo	42.2108N	20.7581E	683	From 2008-07-06
Prodhromos	CSS	Cyprus	34.9622N	33.3306E	396	From 1984-07-26
Prodromos	PDO	Greece	38.5986N	21.1833E	227	From 2009-10-02
Prodromos	PROD	Greece	38.2589N	22.9006E	350	From 2010-07-02
Promano (Citt^ di Castello) - PG	AT01	Italy	43.3940N	12.3076E	484	From 2010-04-01
Promontory Point	PPU	Utah,U.S.A.	41.3106N	112.4300W	1874	
Prospect	TPR	Trinidad and Tobago	11.1860N	60.7770W	245	From 1978-02-20
Prospect	PRST	Texas,U.S.A.	31.9520N	94.6330W	220	
Prospectdale	ELN	Virginia,U.S.A.	37.2283N	80.7517W	634	
Prosser	PRW	Washington,U.S.A.	46.2127N	119.6860W	552	From 1975-06-01
Provadia	PRD	Bulgaria	43.2000N	27.4000E	50	From 1995-01-01
Provideniya	PROV	Magadanskaya Oblast',Russia	64.4270N	173.2250W	25	
Provideniya	PRVR	The Chukotsky Autonomous Okrug	64.4470N	173.1750W	86	From 2006-06-14
Pruhonice	PRU	Czech Republic	49.9883N	14.5417E	302	
Pruna	EPRU	Spain	36.9660N	5.2313W	560	From 1986-11-01
Prunihres	OG17	Rhone-Alpes,France	44.9067N	5.7662E	1140	From 1988-09-12
Przheval'sk	PRZ	Kyrgyzstan	42.4833N	78.4000E	1599	
Psathopyrgos	PSA1	Greece	38.3253N	21.8837E	3	From 2009-03-16
Pskov	NE52	Pskovskaya Oblast',Russia	57.8190N	28.3900E	40	
PSNS Bremerton SMO	PSNS	Washington,U.S.A.	47.5587N	122.6443W	6	From 2004-04-05
Pt. Cumana	TPTC	Trinidad and Tobago	10.6800N	61.5700W	49	
Pto Chacabuco	CHFR	Chile	45.4606S	72.8700W	0	
Pto de San Jose	PSG	Guatemala	13.9478N	90.7915W	5	From 1981-11-01 to 1988-12-31
Pto San Jose 2	PSG2	Guatemala	13.9522N	90.8155W	5	From 1988-01-01
Puale Bay	PUB	Alaska,U.S.A.	57.7733N	155.5170W	280	From 1974-01-01
Pucara	PUCR	Ecuador	3.2100S	79.5000W	3000	From 1995-07-21
Pudahuel	PUEX	Santiago,Chile	33.4413S	70.7579W	505	
Puebla	PHPU	Puebla,Mexico	19.0442N	98.1685W	2170	From 2009-02-16
Puebla	CIPM	Puebla,Mexico	17.9620N	97.8540W		
Puebla	CXP	Puebla,Mexico	18.2754N	97.1418W		
Puebla	PUE	Puebla,Mexico	19.0417N	98.1967W	2162	
Pueblo Viejo	PVP	Peru	15.7914S	74.2211W	233	
Puelo Alto	PUEL	Chile	41.6637S	72.2960W	25	
Puengasi	QUEM	Ecuador	0.2371S	78.4973W	3055	From 2007-12-05
Puente Sto Nino	ARIG	Guerrero,Mexico	18.2805N	100.3473W	387	From 2009-02-01
Puerto Angel	PANG	Oaxaca,Mexico	15.6668N	96.4735W	0	From 2009-02-16
Puerto Armuelles	ARM	Panama	8.2832N	82.8665W	10	
Puerto Armuelles 2	ARM2	Panama	8.1000N	82.8667W	10	
Puerto Ayacucho	PAYV	Venezuela	5.4200N	67.6560W	83	From 2003-07-16
Puerto Ayora	PAYG	Galapagos,Ecuador	0.6740S	90.2858W	195	
Puerto Aysen	AYCH	Chile	45.4018S	72.6940W	22	From 2009-07-09
Puerto Azul	PAZ	Luzon,Philippines	14.2260N	120.6760E	124	
Puerto del Bujeo, Cadiz	E002	Spain	36.0610N	5.5137W	388	From 2007-07-10 to 2009-06-15
Puerto del Eden	PDEM	Guerrero,Mexico	17.4632N	100.7410W	1620	
Puerto del Gallo	PGOM	Guerrero,Mexico	17.4720N	100.1803W	2560	
Puerto Escondido	PEO	Oaxaca,Mexico	15.8512N	97.0555W	3	
Puerto Escondido	PEX	Oaxaca,Mexico	15.8620N	97.0612W		
Puerto Galera	PGP	Mindoro,Philippines	13.5019N	120.9530E	375	From 1977-05-22
Puerto Jimenez	PUJ	Costa Rica	8.5333N	83.3478W	50	
Puerto La Cruz	PLCV	Venezuela	10.1633N	64.5896W	251	
Puerto La Cruz	PCRV	Venezuela	10.1762N	64.6361W	450	
Puertollano	NE13	Spain	38.6850N	4.0910W	700	From 1983-05-01 to 2001-07-28
Puerto Moin	MOIN	Costa Rica	9.9870N	83.0938W	29	
Puerto Montt	PMCH	Chile	41.4898S	72.8962W	36	
Puerto Pe^–asco	PPXB	Baja California,Mexico	31.3355N	113.6330W	15	From 2007-12-31
Puerto Plata	PPDR	Dominican Republic	19.8053N	70.7243W	4	From 2010-01-01
Puerto Princesa	PPR	Palawan,Philippines	9.7761N	118.7300E	15	From 1972-01-01
Puerto Saavedra	PSCH	Cautin	38.7990S	73.3920W	85	From 2009-12-20
Puert Vallarta	PUVA	Jalisco,Mexico	20.6262N	105.2190W	0	From 2009-02-16
Puka	PUK	Albania	42.0427N	19.8928E	900	
Pukaskwa National Park	PNPO	Ontario,Canada	48.5957N	86.2846W	219	
Pukeiti	PKE	North Island,New Zealand	39.1955S	173.9872E	485	
Pukenui	PNHZ	North Island,New Zealand	39.9151S	176.1996E	616	From 2008-02-19
Puketiti	PUZ	North Island,New Zealand	38.0733S	178.2570E	420	From 1988-09-01
Pulasari	PULI	Jawa,Indonesia	6.3450S	105.9760E	1346	
Pulaski	PUV	Virginia,U.S.A.	37.0257N	80.8158W	652	From 1978-01-01 to 2004-09-30
Pulau Batu	PBSI	Sumatera,Indonesia	0.0547S	98.2800E	0	From 2007-12-01
Pulau Pagai	PPSI	Sumatera,Indonesia	2.7630S	100.0096E	0	From 2007-12-01
Pulau-Weh	PWS	Sumatera,Indonesia	5.8333N	95.3000E		
Pulchoki	PKI	Nepal	27.5710N	85.4090E	2758	From 1978-11-01
Pulheim	PLH	Nordrhein-Westfalen,Germany	51.0040N	6.8195E	-300	From 1981-01-01
Puli Township	WPL	Taiwan region	24.0120N	120.9570E	190	From 2001-04-10
Pulkovo	PUL	Leningradskaya Oblast',Russia	59.7667N	30.3167E	65	
Pune	PUNE	Maharashtra,India	18.5296N	73.8491E	600	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Puno	PUN	Peru	15.8750S	69.9961W	3860	
Punta Arenas	PTA	Magallanes,Chile	53.1553S	70.9006W	10	
Punta Banda	PBX	Baja California,Mexico	31.7420N	116.7255W	400	From 1982-04-16
Punta Burica	PBC	Costa Rica	8.4437N	83.0708W	140	From 1985-01-01
Punta Cana	PUCA	Dominican Republic	18.5880N	68.4028W	0	
Punta Cana, DR	PCDR	Dominican Republic	18.5139N	68.3814W	6	From 2007-03-01
PUNTA DE LOS LLANOS	APLL	La Rioja	30.3949S	66.5279W	725	From 1997-06-20
Punta Galera	PTGL	Ecuador	0.7815N	80.0304W	262	From 2008-12-04
Punta Lena	SL6*	Sicily,Italy	38.7733N	15.2147E		From 1966-04-01 to 1966-05-01
Punta Lucia	EPLC	Sicily,Italy	37.7620N	14.9860E	2930	From 1994-10-01
Punta Patache	PATCX	Chile	20.8207S	70.1529W	832	From 2009-12-02
Punta Talca	PUT	Santiago,Chile	33.4187S	71.6964W	25	From 1975-01-01
Puntijarka	PTJ	Croatia	45.9070N	15.9680E	1023	
Pupakea	PUP	Hawaii,U.S.A.	21.6472N	158.0280W		From 1960-01-01 to 1965-12-31
Puquio	PP06	Peru	14.6955S	74.1235W	3200	
Purari	PUR	Papua New Guinea	6.9881S	145.0730E	300	From 1975-07-11
Puriscal	PRS1	Costa Rica	9.9838N	84.3112W	1145	
Purkeypile	PPLA	Alaska,U.S.A.	62.8968N	152.1870W	1519	
Purple Mountain	YPM	Wyoming,U.S.A.	44.6572N	110.8687W	2582	
Purvis	PU-MS	Mississippi,U.S.A.	31.1519N	89.5489W	91	From 1965-02-26 to 1965-03-03
Purvis	PU-	Mississippi,U.S.A.	31.1519N	89.5489W	91	From 1965-02-26 to 1965-03-03
Pusan	PUS	South Korea	35.1000N	129.0330E	71	
Pusma	PUSN	Nepal	28.8750N	81.2710E	1524	
Putnam	PUTN	New York,U.S.A.	41.3818N	73.8283W	170	
Puu Honuaula	PHO	Hawaii,U.S.A.	19.4817N	154.8900W	215	From 1970-04-01 to 2000-11-09
Puu Huluhulu	PHH	Hawaii,U.S.A.	19.3750N	155.2080W	1021	From 1969-07-01 to 1973-11-30
Puu Kaliu	PKL	Hawaii,U.S.A.	19.4580N	154.9210W	271	
Puu Kamoamoa	KMH	Hawaii,U.S.A.	19.3912N	155.1160W	750	
Puuokali	POK	Hawaii,U.S.A.	20.7333N	156.3887W	511	
Puu Pili	PPL	Hawaii,U.S.A.	19.1583N	155.4640W	35	
Puu Ulaula	PLL	Hawaii,U.S.A.	19.5333N	155.4610W	2992	
Puyallup School ANSS-SMO	PAYL	Washington,U.S.A.	47.1926N	122.3140W	9	From 2001-06-28
Puy-de-Dome	PDD	Auvergne,France	45.7667N	2.9667E	1450	
Puyloubier	PUYF	Provence-Cote d'Azur,France	43.5323N	5.7003E	460	
PUYLOUBIER	LEPF	Provence-Cote d'Azur,France	43.5230N	5.7020E	345	From 2007-08-13
Puysegur Point	PPZ	South Island,New Zealand	46.1406S	166.6270E	3	From 1972-04-06 to 1972-04-24
Puysegur Point	PYZ	South Island,New Zealand	46.1679S	166.6807E	277	From 2007-05-03
Pyatigorsk	PYA	Stavropol'skiy Kray,Russia	44.0333N	43.0583E	544	
Pyatigorsk	PYA1	Russia	44.0625N	43.0958E	614	From 2008-10-02
Pyeongchang	KSPYC	South Korea	37.3713N	128.3906E	331	From 2007-12-12
PYLOS	PYL	Greece	36.8955N	21.7420E	227	From 2006-02-01
Pyongyang	PYO	North Korea	39.0333N	125.7500E	51	
Pyramid	PYR	California,U.S.A.	34.5680N	118.7410W	1247	
QAANAAQ INFRASONIC ARRAY REFERENCE POINT	I18DK	Greenland	77.4756N	69.2878W	88	From 2002-09-05
Qafa e Shtames	QSH	Albania	41.5216N	19.9050E	1100	
Qairoon Hariti	QHRO	Oman	17.2528N	54.0854E	790	From 1998-08-27
Qassim	QASM	Saudi Arabia	26.0900N	43.5360E	675	From 1988-01-01
Qassioun	QASN	Syria	33.5328N	36.2761E	990	From 1994-12-01
Qatafi	QTFJ	Jordan	31.8230N	37.4800E	648	From 1990-03-05
Qatrana	QTRJ	Jordan	31.3000N	36.0100E	876	From 1988-02-20
Qazax, Azerbaijan	QZX	Azerbaijan	41.0580N	45.3720E	563	From 2010-01-19
Qibla Bandi	QIB	Pakistan	33.9007N	72.5925E	396	
Qikiqtaaluk Exploration Camp	QILN	Northwest Territories,Canada	66.6531N	86.3709W	115	
Qingdao	TSN	Shandong,China	36.0667N	120.3170E	70	
Qiongzhong	QIZ	Hainan Dao,China	19.0294N	109.8430E	230	
Qobustan	GBS	Azerbaijan	40.5350N	48.9420E	827	From 2011-04-06
Qom	IQOM	Iran	34.8424N	51.0703E	2270	From 1996-01-01
Qsaybeh	QSB	Lebanon	33.8710N	35.6443E	550	
Quabbin	QUA	Massachusetts,U.S.A.	42.4566N	72.3738W	201	From 1977-05-07 to 1999-01-31
Quadrado	QAD	Luzon,Philippines	15.0440N	120.3540E		
Quail Lake	QAL	California,U.S.A.	34.7497N	118.7150W	1256	
Qualls	QUAR	Arkansas,U.S.A.	35.6439N	90.6491W	115	
Quanzhou	QZN	Fujian,China	24.9431N	118.5920E	21	From 1970-10-01
Quanzhou	QZH	Fujian,China	24.9431N	118.5920E	21	From 1970-10-01
Quarto	QRI	Italy	40.8780N	14.1458E		
Quartz Hill	QHW	North Island,New Zealand	41.2519S	174.6910E	190	From 1985-10-15 to 2003-10-31
Quartzite Mountain	QM-NV	Nevada,U.S.A.	37.5631N	116.3178W	1878	
Quartz Mountain	QMO	Oklahoma,U.S.A.	34.8929N	99.3071W	479	From 1977-07-29 to 1980-12-31
Quartz Mountain State Park	QZO	Oklahoma,U.S.A.	34.9052N	99.3053W	488	
Quartz Range	QRZ	South Island,New Zealand	40.8275S	172.5290E	260	From 1990-04-01
Quattro Castella	QCI	Italy	43.8167N	11.2167E	120	
Quba	QUB	Azerbaijan	41.3800N	48.3600E	1000	From 1978-01-01 to 1998-01-01
Quba	KUB	Azerbaijan	41.3300N	48.5000E	980	From 1998-01-01
Quba, Azerbaijan	QUBA	Azerbaijan	41.3550N	48.4930E	645	From 2003-03-29
Qucahn	IQHU	Iran	37.0730N	58.5394E	1320	From 1997-03-01
Quebec	QCL	Quebec,Canada	46.7789N	71.2758W	91	
Quebec	QBC	Quebec,Canada	46.7789N	71.2758W	91	
Quebec	QCQ	Quebec,Canada	46.7789N	71.2758W	91	
Quebrada Arriba	QARV	Venezuela	10.2070N	70.5240W	578	From 2002-03-26
Queen Anne	QAW	Washington,U.S.A.	47.6317N	122.3543W	140	
Queen Charlotte	QCC	British Columbia,Canada	53.2550N	132.0880W	3	
Queen City Summit	QCS	Nevada,U.S.A.	37.7574N	115.9409W	1899	From 1979-06-08 to 2002-10-10
Queen Creek	QC-	Arizona,U.S.A.	33.1842N	111.6340W	610	
Queen of Sheba Mine	QSM	California,U.S.A.	35.9650N	116.8682W	396	From 1978-11-28
Queensboro Lake	QLNY	New York,U.S.A.	41.3092N	74.0375W	238	
Queensbury	QMB	England,United Kingdom	53.7650N	1.8575W	116	From 1974-07-10 to 1979-11-15
Queens College	CUNY	New York,U.S.A.	40.7335N	73.8178W	20	
Queens East	JQE	Channel Islands,United Kingdom	49.2000N	2.0383W	58	
Queenstown	QTN	Tasmania,Australia	43.1000S	145.6000E		
Quello@15n	QLLN	Chile	43.1044S	73.6223W	129	
Quemado	X20A	New Mexico,U.S.A.	34.5421N	108.4980W	2057	From 2008-02-05
Quentar	EQUE	Spain	37.2050N	3.4400W	1050	From 1995-04-15
Quepos	QPS	Costa Rica	9.4031N	84.1322W	83	From 1984-03-17
Quepos	QCR	Costa Rica	9.4241N	84.1653W	45	
Queretaro	QUIG	Queretaro,Mexico	20.7000N	100.2800W		
Quesada	EQES	Spain	37.8028N	3.0711W	1140	
Quesnel	QN-	British Columbia,Canada	52.9569N	122.3958W	610	From 1962-10-26 to 1962-10-27
Quesnel	QN-BC	British Columbia,Canada	52.9569N	122.3958W	610	From 1962-10-26 to 1962-10-27
Quetta	QUE	Pakistan	30.1883N	66.9500E	1721	From 1954-01-01
Quezalapa	QZA	El Salvador	13.5239N	88.9969W	250	
Quezaltepeque	QZG	Guatemala	14.6363N	89.3840W	1798	From 1981-01-01
Quezon City	QCP	Luzon,Philippines	14.6370N	121.0770E	58	
Quezon City--PHIVOLCS	QVPH	Luzon,Philippines	14.6520N	121.0580E	45	
Quezon City--PHIVOLCS	QVP	Luzon,Philippines	14.6230N	121.0040E	15	From 1991-01-01
Quiabu	QUIN	Nicaragua	13.1250N	86.4167W	1605	
Quien Sabe	HQRH	California,U.S.A.	36.8337N	121.2130W	536	From 1969-05-29
Quien Sabe	AN13*	California,U.S.A.	36.8337N	121.2130W	536	From 1969-05-29
Quien Sabe Ranch	QSR	California,U.S.A.	36.8337N	121.2130W	536	From 1969-05-29
Quiliano	QLNO	Italy	44.3242N	8.3459E	547	From 2002-02-19
Quillagua	QUL	Antofagasta,Chile	21.6556S	69.5283W	800	
Quillayute Airport, Forks	C03A	Washington,U.S.A.	47.9475N	124.5662W	48	From 2005-10-20 to 2008-02-14
Quillmana	QUM	Peru	12.9550S	76.3867W	500	
Quilmana	PT02	Peru	12.9433S	76.4367W	500	
Quilotoa	QIL2	Ecuador	0.8689S	78.9167W	3923	From 2007-08-08
Quilotoa	QUIL	Ecuador	0.7569S	78.9252W	3430	From 1991-01-01
Quilotoa	QIL1	Ecuador	0.8453S	78.9338W	3340	From 1992-05-13
Quilpie	QLP	Queensland,Australia	26.5822S	144.2345E	210	From 1989-08-12
Quincy	D07A	Washington,U.S.A.	47.1936N	119.9732W	453	From 2006-08-30 to 2008-05-10
Quincy	O05C	California,U.S.A.	39.9620N	120.9176W	1032	From 2005-04-20 to 2007-11-20
Quinn	I27A	South Dakota,U.S.A.	44.0690N	102.0525W	867	From 2009-06-17
Quinn River	QNR	Nevada,U.S.A.	41.6972N	117.9550W	1433	
Quinn River Valley	QRV	Nevada,U.S.A.	41.6972N	117.9550W	1433	From 1974-03-01 to 1975-08-31
Quinter	Q30A	Kansas,U.S.A.	38.9772N	100.2207W	797	From 2009-05-14
Quistinic	QUIF	Bretagne,France	47.9167N	3.1656W	125	From 1996-04-03
Quititos	QITI	Ecuador	0.7858N	79.9995W	386	From 1992-04-28
Quititos 2	QIT2	Ecuador	0.7732N	80.0397W	284	
Quito	OAQ	Ecuador	0.2158S	78.4989W	2816	From 1978-03-01 to 1980-12-31
Quito	QTO	Ecuador	0.2084S	78.5322W	3270	From 1988-09-01 to 1991-12-30
Quito	QUI	Ecuador	0.2001S	78.5005W	2837	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Qund	QUND	Ecuador	0.3168N	79.4807W	330	From 1994-04-01 to 1994-09-30
Qurayyt al Milh	QURS	Saudi Arabia	31.3860N	37.3240E	491	
Qutrana	QUTJ	Jordan	31.2987N	36.0100E	876	From 1987-01-01
Qyzylaghash	KZAG	Kazakhstan	45.3710N	78.7220E	510	
Rabalanakaia	RAL	New Britain,Papua New Guinea	4.2203S	152.2020E	91	From 1967-01-01
Rabat	RBA	Morocco	34.0089N	6.8406W	39	From 1966-03-01
Rabat Centre	RTC	Morocco	33.9881N	6.8569W	50	
Rabat Zaers	RBZ	Morocco	33.9292N	6.8400W	116	From 1968-01-01 to 1977-12-31
Rabaul	RABL	Papua New Guinea	4.1911S	152.1637E	277	From 2009-04-01
Rabaul	RAB	New Britain,Papua New Guinea	4.1927S	152.1630E	185	From 1940-01-01
Rabaul (IGS)	ERB	New Britain,Papua New Guinea	4.1932S	152.1620E	180	
Rabbit Creek Array Site 1	RC01	Alaska,U.S.A.	61.0894N	149.7367W	374	
Rabinal	RDG	Guatemala	15.0075N	90.4718W	1930	From 1978-06-01
Rabkut	RBK	Oman	17.5035N	54.2039E	550	From 2001-07-01
Racchiusole (Umbertide) PG	AT05	Italy	43.2329N	12.2715E	494	From 2010-04-01
Rachaya	RCY	Lebanon	33.4965N	35.8357E	1370	From 2006-06-01
Rachel	S11A	Nevada,U.S.A.	37.6444N	115.7472W	1456	From 2007-01-23 to 2008-09-15
Raciborz	RAC	Poland	50.0833N	18.1942E	209	
Rackout Springs	KRKM	California,U.S.A.	39.5628N	123.1820W	1280	
Radio Antilles	RSV	St Vincent,Saint Vincent and the Grenadines	13.3070N	61.2360W	8	From 1979-11-20
Raffo Rosso	RAFF	Sicily,Italy	37.2225N	14.3624E	310	From 2005-12-22
Rafsanjan	RFDD	Iran	30.5200N	56.2600E	0	
RAFT	RAFT	Washington,U.S.A.	46.1957N	122.1863W	2132	
Rafter H Ranch, Green River	Q18A	Utah,U.S.A.	39.1025N	110.1328W	1295	From 2007-07-14 to 2009-03-09
Ragged Mountain	RAGM	Alaska,U.S.A.	60.3870N	144.6750W	739	From 1984-01-01
Ragged Mountain	RGD	Alaska,U.S.A.	60.2192N	144.5460W	610	
Rahkiv	RAKU	Ukraine	48.0259N	24.1663E	440	From 2004-07-01
Raibl	RBL	Italy	46.4417N	13.5683E	900	From 1978-02-06 to 1988-01-01
Railroad Flat South	MRFM	California,U.S.A.	38.2453N	120.5210W	799	From 1976-07-12
Rainbow Creek	VRC	Oregon,U.S.A.	42.3367N	122.2180W		From 1993-10-07
Rainbow Monument	RMU	Utah,U.S.A.	37.0760N	110.9700W	1536	
Rainbow Mountain	RBY	North Island,New Zealand	38.3211S	176.3880E		From 1984-01-01 to 1984-04-30
Rainelle	RN-	West Virginia,U.S.A.	38.0764N	80.8483W	853	From 1962-12-31 to 1963-05-16
Rainelle	RN-WV	West Virginia,U.S.A.	38.0764N	80.8483W	853	From 1962-12-31 to 1963-05-16
Rainier	RAIO	Washington,U.S.A.	46.0403N	122.8851W	11	
Rainshed	RSD	Hawaii,U.S.A.	19.4630N	155.2780W	1270	
Rainy Point	RAEZ	North Island,New Zealand	39.2883S	174.3933E	326	
Rajabasa	RBSI	Sumatera,Indonesia	5.8445S	105.7420E	0	From 2007-12-01
Rakhov	RAK	Ukraine	48.0550N	24.1980E	460	
Raleigh	RALT	Tennessee,U.S.A.	35.2060N	89.9410W	100	
Raluana Point	RPT	New Britain,Papua New Guinea	4.2952S	152.2160E	1	From 1972-01-01
Ramage Ranch	RAMR	California,U.S.A.	35.6360N	120.8698W	416	
Ramage Ranch, Paso Robles	V04C	California,U.S.A.	35.6360N	120.8699W	431	From 2004-06-07 to 2007-09-01
Ramah	W20A	New Mexico,U.S.A.	35.1259N	108.5001W	2110	From 2008-01-13 to 2010-02-07
Raman	RAM	Turkey	37.7658N	41.2925E	850	From 1964-01-01
Ramapo Mountain	RAMA	New Jersey,U.S.A.	41.0952N	74.1807W	247	From 1978-11-21
Ramban	RMBN	Jammu and Kashmir,India	33.2312N	75.2455E		
Ramesheh	IRAM	Iran	31.8088N	52.3815E	2000	From 2000-09-01
Ramhormoz	RMKL	Iran	30.9820N	49.8090E	176	From 2008-01-22
Ramite	RAMN	Nepal	26.9500N	86.6000E	2134	From 1994-04-01
Rammel Mountain	RAMW	Wyoming,U.S.A.	43.8890N	110.9500W	2512	From 1986-01-01
Rampart Ranch, Las Vegas	V24A	New Mexico,U.S.A.	35.7259N	105.2716W	2187	From 2008-06-03
Rampur	RPR	Andhra Pradesh,India	18.8579N	79.2939E	162	From 2008-10-01
Rancho Bola	RANB	Spain	36.6328N	6.1384W	65	From 1993-04-01 to 2003-05-07
Rancho Dawling	RDX	Baja California,Mexico	31.9282N	115.9422W	1708	From 1989-09-29
Rancho Los Cerritos	LCL	California,U.S.A.	33.8333N	118.1920W	8	
Rancho Maria	CAMI	Ecuador	0.6767S	78.5047W	3630	From 2005-05-17
Rancho Maria	MARY	Ecuador	0.7337S	78.4867W	3700	From 1990-09-07
Rancho Navarro	GRNM	California,U.S.A.	39.1753N	123.5760W	73	
Rancho No Tengo, Wagon Mound	V25A	New Mexico,U.S.A.	35.8383N	104.6164W	1861	From 2008-05-17
Rancho Palos Verdes	RPV	California,U.S.A.	33.7433N	118.4043W	64	From 1993-01-01
Rancho San Jose	RSJ	Baja California,Mexico	30.9733N	115.7450W	650	
Randall Ranch, Ashland	T31A	Kansas,U.S.A.	37.0977N	99.6771W	564	From 2009-04-01
Randle	E05A	Washington,U.S.A.	46.5605N	121.7608W	1481	From 2005-10-28 to 2008-02-11
Randolf College Riding Center, Lynchburg	RCRC	Virginia,U.S.A.	37.4320N	79.2718W	271	
Rand Water	RDWR	South Africa	26.2901S	28.0370E	1645	From 2010-01-01
Rangdo, Negare	RTBI	Bali	8.4597S	114.9420E	300	
Rangely	RGC	Colorado,U.S.A.	40.1042N	108.9270W	1610	From 1975-02-01
Rangipo	RGZ	North Island,New Zealand	39.1553S	175.8340E		From 1984-08-01 to 1989-04-30
Rangitukua	RATZ	North Island,New Zealand	38.8686S	175.7710E	649	From 1984-12-01
Rangndo	RANI	Bali,Indonesia	8.4525S	114.9490E	500	
Rangoon	RAN	Myanmar	16.8667N	96.1833E	14	
Rankin Inlet	YRTN	Northwest Territories,Canada	62.8104N	92.1096W	23	
Ranney Well	RWW	Washington,U.S.A.	46.9639N	123.5433W	15	
Ransiki, Papua	RKPI	Irian Jaya,Indonesia	1.5107S	134.1773E	106	From 2008-12-01
Rantau Prapat	RPSI	Sumatera,Indonesia	2.6951N	98.9240E	0	From 2007-12-01
Ranyah	RNYS	Saudi Arabia	21.4267N	42.7662E		
Raoul Island	RIZ	Kermadec Islands,New Zealand	29.2449S	177.9289W	110	From 2009-06-01
Raoul Island	RAO	Kermadec Islands,New Zealand	29.2517S	177.9180W	110	
Rapa Nui	RPN	Easter Island,Chile	27.1267S	109.3340W	110	From 1987-07-01
Rapid City	RCD	South Dakota,U.S.A.	44.0750N	103.2080W	995	From 1943-01-01
Rapindik	RAP	New Britain,Papua New Guinea	4.2289S	152.1970E	3	From 1950-01-01 to 1958-12-31
Rarotonga	RAR	Cook Islands	21.2125S	159.7730W	28	From 1965-08-01
Ras Al Marh	MARH	Syria	34.0261N	36.4817E	2640	From 1994-12-01
RASCA	PRAR	Romania	47.3617N	26.2276E	451	From 2008-11-27
Ras En-Naqb	NAQJ	Jordan	30.0000N	35.5050E	1640	From 1990-03-15
Raspberry Island	RAI	Alaska,U.S.A.	58.0605N	153.1590W	520	From 1975-10-01
Rata	RATI	Bali,Indonesia	8.7233S	115.5320E	400	
Rata Peaks	RPZ	South Island,New Zealand	43.7163S	171.0538E	412	
Rataul	RTUL	Uttar Pradesh,India	28.8322N	77.3418E	0	
Rath Farm, Roundup	E19A	Montana,U.S.A.	46.4611N	108.7860W	1059	From 2008-08-13
Rathfarnham	DUB	Ireland	53.2986N	6.2825W	52	
Rat Island	RAT	Alaska,U.S.A.	51.7991N	178.3300E	226	From 1970-10-14 to 1973-04-30
Raton	RT-NM	New Mexico,U.S.A.	36.7294N	104.3603W	1951	From 1961-12-04 to 1965-03-22
Raton	RT-	New Mexico,U.S.A.	36.7294N	104.3603W	1951	From 1961-12-04 to 1965-03-22
Rattlesnake Hills	RSW	Washington,U.S.A.	46.3945N	119.5913W	1045	From 1970-07-01
Rattlesnake Mountain	RMW	Washington,U.S.A.	47.4597N	121.8050W	1024	
Rattlesnake Point	ORAM	California,U.S.A.	39.4687N	121.4130W	588	From 1975-08-05
Rauma	RAF	Finland	61.0230N	21.7640E	30	From 2005-10-31
Raurimu	RUZ	North Island,New Zealand	39.1269S	175.3380E	450	From 1990-08-14 to 1992-06-30
Rausu	JRA	Nemuro,Japan	43.9378N	145.1220E	10	
Rauvai	RUV	Tuamotu,French Polynesia	15.1889S	147.3840W	3	
Ravarino	RAVA	Italy	44.7559N	11.1188E	15	From 2003-11-10
Ravensbos	RSB	Netherlands	50.8883N	5.8325E	135	From 1970-02-01 to 1972-04-10
Ravensburg	RAV	Baden-Wurttemberg,Germany	47.7870N	9.6216E	460	From 1914-01-01 to 1994-09-30
Raver	RAW	Washington,U.S.A.	47.3372N	121.9314W	208	
Ravine Marchand	RMGF	Guadeloupe	16.0443N	61.6657W	1150	
Rawhide Mountain	RH-NV	Nevada,U.S.A.	38.2267N	116.3814W	1768	
Rawiri	RAGZ	North Island,New Zealand	38.4956S	177.4154E	947	From 2009-06-15
Rawlins	L21A	Wyoming,U.S.A.	41.9641N	107.3695W	2065	From 2007-10-31 to 2009-10-10
Rawlins	RWWY	Wyoming,U.S.A.	41.6889N	107.2102W	2402	From 2004-09-01
Raymond Alberta	RAYA	Alberta,Canada	49.3863N	112.6873W	1023	From 2010-07-09
Raywood Flat	RAY	California,U.S.A.	34.0363N	116.8110W	2342	
Razeghan	IRAZ	Iran	35.4046N	49.9290E	1950	From 1996-01-01
Reagan Ranch, Oscar	Y34A	Oklahoma,U.S.A.	33.9574N	97.7573W	262	From 2009-11-07
Reales	REAL	Spain	36.4840N	5.2078W	1452	
Reason Mountain	RMNB	California,U.S.A.	36.0009N	120.4777W	1091	
Reay	ORE	Scotland,United Kingdom	58.5480N	3.7622W	100	From 1995-09-21
Receiver Site	NYR	Nevada,U.S.A.	37.0553N	116.0920W	1279	From 1971-01-01 to 1973-01-31
Reche Mountain	RCH	California,U.S.A.	34.3073N	116.3500W	841	From 1979-04-01
Recreation Park	RCP2	California,U.S.A.	33.7777N	118.1330W	-85	From 1985-03-22
Recreo	REC	Guatemala	14.4375N	90.5227W	1500	From 1975-04-01
Rector, Farmersville	RCTC	California,U.S.A.	36.3100N	119.2400W	107	From 2004-04-01
Red Bluff	O02C	California,U.S.A.	40.1767N	122.7883W	962	From 2005-07-20 to 2007-10-11
Red Butte Canyon	RBU	Utah,U.S.A.	40.7808N	111.8080W	1676	From 1974-06-01
Red Cone	RCO	Hawaii,U.S.A.	19.4060N	155.6298W	3601	
Reddig Ranch South, Frazer	B22A	Montana,U.S.A.	48.3008N	105.9964W	836	From 2008-09-14 to 2010-07-15
Redding Peak	LRDM	California,U.S.A.	40.4642N	121.4610W	859	From 1976-11-12
Red Dirt Ranch, Kanab	T15A	Utah,U.S.A.	37.0183N	112.3824W	1561	From 2007-02-14 to 2008-11-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Red Feather Lakes	N23A	Colorado,U.S.A.	40.8947N	105.9440W	2458	From 2008-07-05
Redhead, NSW Australia	REDH	New South Wales	33.0197S	151.6975E	8	From 2011-01-01
Red Hill	RHT	Tennessee,U.S.A.	35.0781N	84.8825W	299	
Red Hills	RHJ	Jamaica	18.0707N	76.8540W	779	From 1993-11-01
Redig	RG-SD	South Dakota,U.S.A.	45.2164N	103.5347W	945	From 1965-10-25 to 1966-09-26
Redig	RG-	South Dakota,U.S.A.	45.2164N	103.5347W	945	From 1965-10-25 to 1966-09-26
Red Ives Forest Station, Avery	D12A	Idaho,U.S.A.	47.0528N	115.3525W	1135	From 2006-11-08 to 2009-07-21
Red Lake	RK-	Ontario,Canada	50.8389N	93.6722W	366	
Red Lake	RDLO	Ontario,Canada	50.9745N	93.9124W	390	
Red Lake	RSON	Ontario,Canada	50.8589N	93.7022W	335	From 1982-01-01 to 1990-10-01
Red Lake	RLKO	Ontario,Canada	51.0704N	93.7585W	362	From 2004-11-19
Red Lake	RK-ON	Ontario,Canada	50.8389N	93.6722W	366	
Red Lodge	YPRL	Montana,U.S.A.	45.1617N	109.3017W	1951	
Red Lodge	RLMT	Montana,U.S.A.	45.1221N	109.2673W	2086	
Red Mountain	KRMB	California,U.S.A.	41.5230N	123.9080W	1265	
Red Mountain	RDMU	Utah,U.S.A.	40.5708N	109.5695W	2087	From 2009-12-02
Red Mountain	KRMM	California,U.S.A.	41.5221N	123.9063W	1247	
Red Mountain	REDWA	Washington,U.S.A.	46.2987N	119.4383W	366	
Redondo Peak	REDP	New Mexico,U.S.A.	35.8711N	106.5630W	3417	From 1977-10-01
Redoubt	RDT	Alaska,U.S.A.	60.5738N	152.4060W	930	From 1971-08-09
Redoubt East 2	RDDR	Alaska,U.S.A.	60.5849N	152.5863W	905	
Redoubt East Flank	REF	Alaska,U.S.A.	60.4892N	152.7020W	1801	From 1990-03-14
Redoubt Jeurgen	RDJH	Alaska,U.S.A.	60.5911N	152.8036W	1414	
Redoubt North	RDN	Alaska,U.S.A.	60.5138N	152.7630W	1372	From 1988-01-01
Redoubt South	RSO	Alaska,U.S.A.	60.4622N	152.7540W	1921	From 1990-03-01
Redoubt South 1	RS1	Alaska,U.S.A.	60.4602N	152.7580W	1864	From 1990-09-10
Redoubt South 2	RS2	Alaska,U.S.A.	60.4630N	152.7573W	1953	From 1990-09-10
Redoubt Volcano	RED	Alaska,U.S.A.	60.4189N	152.7720W	1067	From 1974-01-01
Redoubt Vol. East	RDE	Alaska,U.S.A.	60.5869N	152.5925W	564	
Redoubt West	RDW	Alaska,U.S.A.	60.4827N	152.8100W	1813	From 1990-09-07
Redoubt West	RDWB	Alaska,U.S.A.	60.4881N	152.8402W	1546	
Red Ridge	RRI2	Idaho,U.S.A.	43.3474N	111.3201W	2558	From 1986-07-02
Red Ridge	RRI	Idaho,U.S.A.	43.3630N	111.3380W	2408	From 1985-07-20 to 1986-07-02
Red Rock Canyon	MRCM	California,U.S.A.	37.6717N	118.5060W	2030	From 1986-07-23
Red Rock Canyon	RRO	Oklahoma,U.S.A.	35.4569N	98.3584W	482	From 1978-08-09
Red Spur Mountain	RSUT	Utah,U.S.A.	41.6385N	111.4150W	2682	From 1979-10-01
Redstone	A23A	Montana,U.S.A.	48.9592N	104.8786W	665	From 2008-09-10 to 2010-07-14
Red Top Meadow	REDW	Wyoming,U.S.A.	43.3624N	110.8520W	2192	From 1986-01-01
Redvale	R20A	Colorado,U.S.A.	38.1888N	108.3792W	2003	From 2008-01-05 to 2010-02-07
Redwood Retreat	JRRM	California,U.S.A.	37.0545N	121.7270W	408	From 1976-01-09
Reed	REKY	Kentucky,U.S.A.	37.8520N	87.3280W	0	
Reedy Creek 5	WRCQ	Queensland,Australia	27.1874S	152.6631E		From 1984-07-11
Rees Ranch, Coalville	N16A	Utah,U.S.A.	40.8869N	111.4370W	2028	From 2007-07-10 to 2009-04-07
Refahiye_ERZ¯NCAN	REFA	Turkey	39.3960N	38.7651E	1594	From 2010-10-27
Reffroy	RFYF	Champagne-Ardenne,France	48.6289N	5.4741E	330	From 2002-08-20
Refrontolo, Italy	MREF	Italy	45.9249N	12.2117E	268	From 2010-06-08
Refugio	RETU	Ecuador	1.4512S	78.4460W	4050	From 1994-12-02
Refugio Cayambe	CAYR	Ecuador	0.0153N	78.0066W	4868	
Refugio Guagua Pichincha	GGP	Ecuador	0.1743S	78.5947W	4420	From 1988-09-30
Regan	D28A	North Dakota,U.S.A.	47.1929N	100.5692W	621	From 2009-08-04
Regar	RGR	Tajikistan	38.5000N	68.2333E		
Regar	REG*	Tajikistan	38.5000N	68.2333E		
Reggio Calabria	RCI	Italy	38.1056N	15.6433E	29	
Reggio Calabria	MRCB	Italy	38.1620N	15.7030E	500	From 1993-12-01
Reichold	RHA	Alabama,U.S.A.	33.2417N	87.4660W	83	From 1971-01-09
Reidovoe	REI	Sakhalinskaya Oblast',Russia	45.2667N	148.0167E		
Reims	RMSF	Champagne-Ardenne	49.2820N	4.0210E	110	From 2008-01-01
Rein	RISI	Italy	46.9480N	12.0787E	1785	From 2006-12-13
Reinach, Rainenweg	SRER	Switzerland	47.5116N	7.5979E	343	From 2011-04-01
Reinach, Reinacherhof	SRNR	Switzerland	47.5111N	7.6034E	341	From 1997-08-07
Reindeer	RND	Alaska,U.S.A.	63.4062N	148.8530W	991	From 1986-01-01
Rekieta Farm, Paducah	Y31A	Texas,U.S.A.	33.9620N	100.2615W	530	From 2009-03-16
Reko	RKS	Solomon Islands,Papua New Guinea	9.1564S	159.8080E		
Relizane	REL	Algeria	35.7500N	0.5500E	75	From 1955-01-01 to 1961-12-31
Relizane	RLA	Algeria	35.5833N	0.5833E	180	
Rembrandt	REMW	Washington,U.S.A.	46.1992N	122.1840W	2102	From 1987-01-01
Remote	REM	Alaska,U.S.A.	65.9550N	164.5780W	300	
Remote	RON	Alaska,U.S.A.	62.6912N	150.2040W	470	From 1971-08-01 to 1974-10-31
Renegade Can. W	WRCM	California,U.S.A.	35.9502N	117.6470W	954	From 1975-09-26
Renegade Canyon West	RCWM	California,U.S.A.	35.9502N	117.6470W	954	From 1975-09-26
Rengat	RGRI	Sumatera,Indonesia	0.3491S	102.3338E	41	From 2005-01-01
Rennes	RENF	Bretagne,France	48.1190N	1.6350W	40	
Reno	REN	Nevada,U.S.A.	39.5400N	119.8130W	1383	From 1911-01-01 to 1975-02-28
Reno Superiore	RSP	Italy	45.1482N	7.2653E	1285	From 1986-01-01
Rentapao	RTV	Vanuatu	17.7925S	168.4250E		
Repubblica di San Marino	RSM	San Marino,Italy	43.9303N	12.4497E	645	From 1988-01-01
Republican Road	RRRZ	North Island,New Zealand	38.3408S	176.5144E	493	From 2007-12-10
Resadiye-TOKAT	RSDY	Turkey	40.3972N	37.3273E	550	From 2007-06-13
Reservoir Flats	RFM	Montana,U.S.A.	46.1047N	112.4870W	2353	From 1984-01-01 to 1987-11-13
Resinera	RESI	Spain	36.8732N	3.0700W	1322	
Resolute Bay	RES	Northwest Territories,Canada	74.6867N	94.9000W	15	
Restoule Provincial Park	RSPO	Ontario,Canada	46.0734N	79.7602W	264	
Resuttano	RESU	Italy	37.6468N	14.0568E	785	From 2008-02-25
Retamim	RTMI	Israel	31.0545N	34.6912E	261	From 2006-09-04
Retamin	RTMM	Israel	31.0510N	34.6863E	255	
Reunion Island	REU	Reunion	21.1950S	55.5772E	1550	From 1968-05-03
Reutte	RETA	Austria	47.4871N	10.7623E	965	From 2006-12-13
Reveille Range	RVE	Nevada,U.S.A.	38.0197N	116.1920W	2290	From 1979-06-08 to 1981-12-31
Reventador volcano	EPALM	Ecuador	0.2133S	77.7292W	1761	From 2002-11-21
Revere	REVF	Provence-Cote d'Azur,France	43.7400N	7.3675E	700	
Reverse DX Ranch, Oshkosh	M27A	Nebraska,U.S.A.	41.5281N	102.3872W	1147	From 2008-12-05
Revivim	RVVM	Israel	31.0410N	34.7210E	200	
Revivim	REVI	Israel	31.0405N	34.7200E	273	From 2010-06-16
Rev-Rev Volc	REVE	Ecuador	0.0420S	77.5235W	1440	From 2002-04-04 to 2003-04-01
REWA	REW	Madhya Pradesh,India	24.5658N	81.3354E	280	From 2000-06-04
Rexburg	REX	Idaho,U.S.A.	43.8125N	111.7830W	1532	From 1972-04-20
Rexford	RXF	Montana,U.S.A.	48.8648N	115.1240W	1231	From 1976-10-01 to 2004-03-11
Reyes Peak	RYS	California,U.S.A.	34.6433N	119.3510W	1841	From 1976-06-01
Reyhanli	REYT	Turkey	36.2500N	36.6000E	230	From 1998-03-01
Reykjanes	IRNE	Iceland	63.8168N	22.7056W	19	From 2008-06-19
Reykjavik	REY	Iceland	64.1278N	21.9050W	44	
Reynihlio	IREN	Iceland	65.6470N	16.9060W	338	From 1996-11-03
Rhampton Hrock	RK1	Queensland,Australia	23.3886S	150.4938E	87	
Rhampton Srock	RK2	Queensland,Australia	23.3825S	150.5248E	40	
Rheinberg	BRHE	Nordrhein-Westfalen,Germany	51.5155N	6.5710E	24	From 2004-12-01
Rheinpreussen Mine	RPM	Nordrhein-Westfalen,Germany	51.4723N	6.6343E	-412	
Rhenigidale	RRH	Scotland,United Kingdom	57.9197N	6.6882W	103	From 1995-09-10
Rhiw	YRH	Wales,United Kingdom	52.8335N	4.6290W	300	From 1984-01-01
Rhoboro Hills	RHP	South Island,New Zealand	44.1008S	170.0840E	899	From 1975-06-01 to 1983-11-21
Rhodes	RHO	Greece	36.4372N	28.2236E	45	From 1965-11-18 to 1966-04-04
Rhodes College	RDST	Tennessee,U.S.A.	35.1578N	89.9886W	79	
Rhoscolyn	YRC	Wales,United Kingdom	53.2506N	4.5741W	24	From 1984-01-01
Riachuelo	RCBR	Rio Grande do Norte,Brazil	5.8275S	35.9014W	420	
Riallon	OG20	Provence-Cote d'Azur,France	44.6133N	6.3312E	1570	From 1989-01-17
Ribeira Ch	PRCH	Azores,Portugal	37.7280N	25.4800W	225	From 2003-01-01
Ribeira da Areia	RIA0	Azores,Portugal	38.6597N	28.0394W	420	From 1981-07-01
Ribeira da Areia	RIA	Azores,Portugal	38.6597N	28.0394W	420	From 1981-07-01
Ribeirinha	PID	Azores,Portugal	38.4422N	28.1192W	450	
Ribeirinha	RIB2	Azores,Portugal	38.6715N	27.1731W	387	From 1983-10-01
Ribeirinha	RIB	Azores,Portugal	37.7995N	25.4611W	526	
Riberalta	RTA	Bolivia	11.0067S	66.0783W	175	
Rib Lake	RL-	Wisconsin,U.S.A.	45.3081N	90.0986W	472	From 1963-04-10 to 1963-05-13
Rib Lake	RL-WS	Wisconsin,U.S.A.	45.3081N	90.0986W	472	From 1963-04-10 to 1963-05-13
Rice	B09A	Washington,U.S.A.	48.4226N	118.1488W	630	From 2006-09-01 to 2008-06-13
Rice Lake	RLW	Wisconsin,U.S.A.	45.6597N	91.5594W		
Riceville	RCT	Tennessee,U.S.A.	35.3453N	84.6614W	265	
Richard P. Wilkes	ARWM	California,U.S.A.	38.9563N	121.1620W	320	From 1976-01-29
Richfield	PEUT	Utah,U.S.A.	38.7759N	112.0886W	1644	From 2008-05-28
Richland	RCW	Washington,U.S.A.	46.3472N	119.2740W	390	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Richland Balsam	RBNC	North Carolina,U.S.A.	35.3570N	82.9860W	1829	From 1982-05-26
Richland Springs	333A	Texas,U.S.A.	31.3249N	98.9841W	443	From 2009-11-13
Richmond	LRN	England,United Kingdom	54.4167N	1.7858W	300	From 1991-01-01
Richmond	RIC	Florida,U.S.A.	25.6167N	80.4167W		
Richmond Field	RFSB	California,U.S.A.	37.9161N	122.3361W	-118	
Richmond-San Rafael Bridge	RSRB	California,U.S.A.	37.9357N	122.4465W	-157	
Rich Mountain	RICH	North Carolina,U.S.A.	35.9195N	82.8187W	968	From 1983-06-19 to 2008-02-13
Richton	RI-MS	Mississippi,U.S.A.	31.1978N	88.8508W	37	
Rickey Ranch	ARRM	California,U.S.A.	38.7653N	121.1720W	127	From 1976-12-02
Ridgley Place, Grand Junction	Q20A	Colorado,U.S.A.	38.9541N	108.2956W	1716	From 2007-11-30 to 2010-02-07
Ridgway	RW6	Colorado,U.S.A.	38.2023N	107.9340W	3063	From 1983-01-01
Ridgway	RW5	Colorado,U.S.A.	38.0800N	107.8320W	2991	From 1983-01-01
Ridgway	RW2	Colorado,U.S.A.	38.3080N	107.7270W	2405	From 1983-01-01
Ridgway	RW4	Colorado,U.S.A.	38.1568N	107.6160W	2739	From 1983-01-01
Ridgway	RW3	Colorado,U.S.A.	38.2502N	107.6870W	2603	From 1983-01-01
Ridgway	RW1	Colorado,U.S.A.	38.2587N	107.7890W	2443	From 1983-01-01
Ridotti (Balsorano, AQ)	T0205	Italy	41.7954N	13.6045E	690	From 2009-10-08 to 2010-01-14
Riehen 2 (BS)	RIEH2	Switzerland	47.5936N	7.6581E	-642	From 2006-10-01 to 2007-07-12
Riehen-Baumlih	SRHB	Switzerland	47.5713N	7.6244E	260	From 1996-12-13
Riekki	KU6	Finland	66.0255N	29.8907E	275	From 2006-10-06
Riesel	336A	Texas,U.S.A.	31.3870N	96.8443W	140	From 2010-02-17
Rifaina	RIFB	Sao Paulo,Brazil	20.0737S	47.5019W	860	From 1993-01-01
Rifugio Sapienza	ERSA	Sicily,Italy	37.6987N	14.9943E	1880	From 1994-10-01
Right Bank House--Pihur	RBH	Pakistan	34.0705N	72.6705E	364	
Rignano Grg	RGNG	Italy	41.6742N	15.5864E	587	
Rihia Road	RITZ	North Island,New Zealand	38.9790S	175.8583E	510	
Riito	RII	Baja California,Mexico	32.1640N	114.9603W	15	From 1977-02-01
Rijeka	RIY	Croatia	45.3250N	14.4830E	190	From 1989-05-04
Rikitea	RKT	Gambier Islands,French Polynesia	23.1197S	134.9733W	50	
Rilland Hill	SRH	St Vincent,Saint Vincent and the Grenadines	13.1860N	61.2540W	274	
Rim	RIM	Hawaii,U.S.A.	19.3983N	155.2770W	1128	From 1973-05-01
Rimouski	RIMQ	Quebec,Canada	48.4400N	68.4800W	129	From 1984-08-22
Rimrock	RMR	California,U.S.A.	34.2128N	116.5750W	1702	
Rimuhau	RIGZ	North Island,New Zealand	38.7058S	177.7622E	621	From 2009-06-30
Rinconada Maipu	RCDM	Santiago,Chile	33.4892S	70.8064W	487	
Riobamba	RIOE	Ecuador	1.7525S	78.6308W	2733	From 2007-01-01
Riobamba	RIOE1	Ecuador	1.7482S	78.6274W	2733	From 2006-01-20
Rio Blanco	RBC	Colorado,U.S.A.	39.8425N	108.3920W	1996	From 1973-01-01 to 1973-12-31
Rio Branco	RIOB	Acre,Brazil	10.1501S	67.7470W	220	
Rio Carpintero	RCC	Cuba	19.9942N	75.6958W	100	From 1965-07-25
Rio Claro- Sao Paulo-Brazil	RCLB	Sao Paulo	22.4191S	47.5310W	658	From 2002-08-31
Rio de Janeiro	RDJ	Rio de Janeiro,Brazil	22.8950S	43.2233W	29	
Rio Frio	RFVM	Mexico D.F.,Mexico	19.3332N	98.7617W	3105	
Rio Grande	RIOV	Venezuela	8.0690N	61.8140W	279	From 2002-11-06
Rio Grant	RIO	New Mexico,U.S.A.	35.7547N	106.1760W	2073	From 1975-02-21 to 1976-09-17
Rio Hardy	RHM	Sonora,Mexico	32.1422N	115.2860W	10	From 1969-02-16
Riolos of Patras	RLS	Greece	38.0578N	21.4667E	100	From 1976-07-15
Rio Macho	RMCR	Costa Rica	9.7845N	83.8572W	1420	
Rionero Sannitico	RNI2	Italy	41.7025N	14.1525E	970	
Rio Piedras	ERIP	Spain	37.3729N	7.2551W	82	From 1995-11-22
Rio Tinto	TINT	Spain	37.7667N	6.6333W		
Riou	RIU	Alaska,U.S.A.	59.8783N	141.2280W	15	
Rio Verde	RVRD	Ecuador	1.0676N	79.3851W	47	From 2008-11-28
Rio Vista Mine	RVM	California,U.S.A.	34.1803N	114.2000W	243	From 1977-05-01
Risco	RSCM	Missouri,U.S.A.	36.5679N	89.7731W	82	
Rishiri	JRR	Soya,Japan	45.1378N	141.3112E	27	
Rising Star	233A	Texas,U.S.A.	32.0179N	98.8998W	539	From 2009-11-18
Rita Coyotepec	IIC	Mexico D.F.,Mexico	19.7670N	99.2580W	2725	
Rita Site, White Sands Missle Range	Z23A	New Mexico,U.S.A.	33.2621N	106.2319W	1278	From 2008-05-14
Riverhead Borehole	RVAZ	North Island,New Zealand	36.7718S	174.5790E	-191	From 2008-04-03
Riveris	RIVT	Rheinland-Pfalz,Germany	49.7082N	6.7653E	269	
Riverside	RVR	California,U.S.A.	33.9933N	117.3750W	260	From 1926-10-19
Riverside	RVUT	Utah,U.S.A.	41.8383N	112.2590W	1951	From 1979-09-01 to 1980-10-31
Riverside Borehole	RSBC	California,U.S.A.	33.9731N	117.3272W	297	
Riverside Mountains	RVS	California,U.S.A.	34.0347N	114.5180W	677	From 1974-04-01
Riverview	RIV	New South Wales,Australia	33.8294S	151.1580E	25	From 1909-01-01
Riviere de l'Est	RER	Reunion	21.1590S	55.7460E	834	From 1986-02-10
Riviere-du-Loop	RDLQ	Quebec,Canada	47.8400N	69.5400W	55	From 1980-08-19
Riviere Ouelle	A16	Quebec,Canada	47.4706N	70.0064W	15	From 1977-08-30
Riviere-Ouelle	ROUQ	Quebec,Canada	47.4800N	70.0000W	26	From 1984-08-28
Riyadh	RYD	Saudi Arabia	24.7200N	46.6100E	649	From 1986-01-01
Riyadh	RYDS	Saudi Arabia	24.1900N	46.6400E	594	From 2001-06-25
Rjupnafell	IRJU	Iceland	63.6174N	18.6721W	173	From 2010-12-16
Roach Canyon	PRCM	California,U.S.A.	36.2562N	120.6200W	623	
Roan Cliffs	ROA	Utah,U.S.A.	39.6615N	110.3647W	2962	
Robert W. Jensen	ARJM	California,U.S.A.	38.6865N	120.9560W	460	From 1976-12-02
Robets Cordova Ranch, Walsenberg	S25A	Colorado,U.S.A.	37.6606N	104.4349W	1821	From 2008-06-12
Robic@19	ROBS	Slovenia	46.2445N	13.5094E	265	
ROBINSON CRUSOE ISLAND INFRASONIC ARRAY #2 FERNANDEZ POINT	JIZ2	Juan Fernandez Islands	33.6538S	78.7960W	388	From 2004-04-24
Robinson Place, Fruitland	O17A	Utah,U.S.A.	40.1948N	110.7378W	2079	From 2007-08-15 to 2009-04-10
Robledal	RBDL	El Salvador	14.1130N	89.6865W	1431	
Robourent	ROB	Italy	44.2958N	7.8863E	810	From 1967-01-01
Rob Roy	ROYM	Victoria,Australia	37.6399S	145.2885E	180	
Roby	131A	Texas,U.S.A.	32.6737N	100.3888W	622	From 2009-03-14
Rocca di Mezzo	RM04	Italy	42.1885N	13.4515E	1109	From 2009-04-06 to 2009-04-22
Rocca di Papa	RDP	Italy	41.7583N	12.7167E	760	From 1983-01-01
Roccamonfina	RFI	Italy	41.3006N	13.9847E	780	From 1988-05-01
Rocca Remolon	RRL	Italy	44.9208N	6.7908E	2130	From 1985-01-01
Roccaromana	RMI2	Italy	41.2528N	14.2636E	702	
Rocca Rossa	RORO	Italy	44.1122N	8.0662E	260	From 1998-07-01
Roccetta Nervino	RONM	Italy	43.8763N	7.5982E	300	From 2001-01-01
Rocchetta Tanaro	ROTM	Italy	44.8493N	8.3527E	221	From 2001-01-01
Rocchetta Volt	RVI2	Italy	41.6219N	14.0214E	990	
Rochefort	RCHB	Belgium	50.1560N	5.2280E	161	From 2000-01-01
Rochester	ROC	New York,U.S.A.	43.1245N	77.5923W	155	From 1959-02-13
Rochester High School	RRHS	Washington,U.S.A.	46.7996N	123.0404W	47	
Rochester Mine, Lovelock	O08A	Nevada,U.S.A.	40.2903N	118.1550W	2137	From 2006-02-23 to 2008-03-06
Rochester (NY)	RMO	New York,U.S.A.	43.1317N	77.5386W	141	From 1968-03-22 to 1971-09-30
Rochford	I25A	South Dakota,U.S.A.	44.0196N	103.7324W	1856	From 2009-06-08
Rock Avalanche	RKAV	Alaska,U.S.A.	60.2998N	141.3458W	1647	
Rock City	RCG	Georgia,U.S.A.	34.9750N	85.3480W	468	From 1981-10-23 to 2008-02-13
Rock Creek Ranch, Frenchglen	K07A	Oregon,U.S.A.	42.6912N	119.2469W	1407	From 2006-05-30 to 2008-04-07
Rock Creek Ranch, Golconda	N09A	Nevada,U.S.A.	40.8520N	117.5244W	1617	From 2006-04-20 to 2008-03-07
Rock Eagle	REG	Georgia,U.S.A.	33.4421N	83.3371W	178	From 1978-02-01
Rockefeller Mts	RMA	King Edward VII Land	78.1333S	155.4170W	390	From 1940-11-17 to 1940-12-28
Rockhampton 2 Soft	RK2S	Queensland,Australia	23.3102S	150.5216E	36	From 2009-01-01
Rockland Lake	RLSP	New York,U.S.A.	41.1453N	73.9107W	61	
Rocklands	ROKL	Victoria,Australia	37.2333S	141.9568E	215	From 2008-12-03
Rocklands Reservoir	ROKM	Victoria,Australia	37.2420S	141.9550E	200	
Rockport	RPW	Washington,U.S.A.	48.4483N	121.5140W	850	
Rocksprings	532A	Texas,U.S.A.	30.1278N	99.9049W	703	From 2009-02-18
Rocksprings	531A	Texas,U.S.A.	30.1645N	100.5464W	661	From 2009-02-15
Rock Springs	M19A	Wyoming,U.S.A.	41.5047N	109.1569W	2080	From 2007-10-24
Rocky Butte	RBO	Oregon,U.S.A.	45.5408N	122.5643W	158	
Rocky Gully	RKGY	Western Australia,Australia	34.6094S	116.9773E	220	From 1999-09-04
Rocky Gully	RKG	Western Australia,Australia	34.5698S	117.0100E	300	From 1983-07-01 to 2006-05-29
Rocky Mountain Net	TVGG	Georgia,U.S.A.	34.3772N	85.3023W	323	
Rodeo	RTRS	San Juan,Argentina	30.1700S	69.4603W		
Rodeo	AROD	San Juan,Argentina	30.1664S	69.4742W	2832	
Rodeo Gulch Road	JRGM	California,U.S.A.	37.0370N	121.9650W	213	From 1976-01-28
Rodgers	KRPM	California,U.S.A.	41.1582N	124.0230W	829	
Rodhopi	RDO	Greece	41.1462N	25.5375E	100	From 1988-01-01
Rodini	RODI	Greece	38.3229N	21.8961E	80	From 2010-07-03
Rodman Mountain	ROD	California,U.S.A.	34.6297N	116.6050W	1292	
Roellen	RELT	Missouri,U.S.A.	36.0332N	89.3022W	107	
Roetgen-Dahlheim	RODG	Nordrhein-Westfalen,Germany	51.1447N	6.1803E	70	From 2002-07-01
Roetschberg	BD07	Nordrhein-Westfalen,Germany	50.9433N	6.6740E	74	From 2001-01-01
Roger Stewart	RGRS	South Carolina,U.S.A.	32.9075N	80.1942W	-52	From 1986-06-01
Roghun	RAG	Tajikistan	38.7000N	69.7800E		

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Rognes	ROG	Provence-Cote d'Azur,France	43.6840N 5.3127E	310	
Rognes	RGS	Norway	63.0210N 10.4350E	120	From 1985-12-22 to 2003-04-05
Rohrbach	ROHR	Sachsen,Germany	50.2342N 12.3168E	629	From 2001-08-07
Rohtak	ROH	Haryana,India	28.9000N 76.6000E	220	
Rohtak	RTK	Haryana,India	29.0333N 76.4143E	0	
ROIAK	ROIA	Bulgaria	43.0933N 27.3778E	355	From 2006-10-01
Roio Piano	T0106	Italy	42.3069N 13.3837E	1260	From 2009-04-08
Rokh Bas	RKHB	Iran	32.6841N 50.8917E	2600	From 2011-01-01
Rokko	RKO	Hyogo,Japan	34.7639N 135.3018E	540	
Rokugo	JRG	Iwate,Japan	39.3963N 140.6338E	200	
Rolduc	RDC	Netherlands	50.8694N 6.0847E	145	
Rolla	ROL	Missouri,U.S.A.	37.9178N 91.8689W	200	From 1965-01-01
Rolling Bench Mark	BRMM	California,U.S.A.	36.8345N 120.8240W	372	From 1973-12-03
Roma	ROM9	Italy	41.8284N 12.5155E	110	From 2002-10-01
Roma	RMQ	Queensland,Australia	26.4857S 148.7582E	375	From 1984-08-11
Roma	RTQ	Queensland,Australia	26.5678S 148.8514E	350	
Roman Lake	ROMN	Northwest Territories,Canada	64.3157N 118.0182W	395	From 2007-08-12 to 2010-07-16
Roman Nose	RNO	Oregon,U.S.A.	43.9122N 123.7410W	875	From 1991-09-01
Rombauer	RMB	Missouri,U.S.A.	36.8860N 90.2780W	147	From 1974-06-27
Rome	K09A	Oregon,U.S.A.	42.6996N 117.7251W	1176	From 2006-08-05 to 2008-04-03
Rome	ROM	Italy	41.9033N 12.5133E	45	
Rome, Mte Porzio	RMP	Italy	41.8111N 12.7022E	380	
Rome (USA)	RMG	Georgia,U.S.A.	34.3679N 85.2816W	244	From 1979-05-01
Romrod	GWBF	Hessen,Germany	50.7285N 9.1763E	368	From 2002-06-17
Roncone	RNI	Italy	45.9817N 10.6447E	1450	From 1981-06-15
Ronqui˜ɑre	BRQR	Belgium	50.6062N 4.2246E	40	From 1989-09-05
Roodepoort, Johannesburg	DRD	South Africa	26.1720S 27.8621E	1729	From 2010-03-19
Roopena	RPA	South Australia,Australia	32.7250S 137.4030E		
Roosevelt	O18A	Utah,U.S.A.	40.2655N 110.0082W	1582	From 2007-07-25 to 2009-04-10
Roosevelt	RPK	Washington,U.S.A.	45.7617N 120.2310W	549	From 1975-11-01
Roosevelt	Y17A	Arizona,U.S.A.	33.6953N 110.8444W	866	From 2007-04-17 to 2009-01-22
Roosevelt Hot Springs	RHU	Utah,U.S.A.	38.4722N 112.8470W	1905	From 1978-02-01
Roosevelt Roads	RRP	Puerto Rico	18.2333N 65.6333W		
Roosevelt Roads	RRD	Puerto Rico	18.2360N 65.6180W	40	From 1975-03-01 to 1999-08-25
Roppe	ROF	Franche Comte,France	47.6806N 6.9008E	500	
Roquetas del Mar	EROQ	Spain	40.8232N 0.4088E	284	From 1987-02-01
Rosais	ROSA	Azores,Portugal	38.7195N 28.2415W	310	From 1989-07-01
Rosal de la Frontera, Huelva	E016	Spain	37.9670N 7.0568W	320	From 2007-09-26 to 2009-06-23
Rosebud	GOIL	Illinois,U.S.A.	37.2900N 88.5800W	165	
Rosebud	F22A	Montana,U.S.A.	45.7794N 106.2569W	882	From 2008-11-13
Rosedale State School	RDSS	Queensland,Australia	24.6238S 151.9168E	117	From 2004-08-09
Roselend	RSL	Rhone-Alpes,France	45.6883N 6.6256E	1583	
Rose Lookout	RLO	Oklahoma,U.S.A.	36.1652N 95.0229W	341	From 1977-05-01
Rosemanowes	CRQ	England,United Kingdom	50.1672N 5.1726W	165	From 1981-02-01
Rosemanowes 2	CRQ2	England,United Kingdom	50.1669N 5.1686W	152	From 1981-01-01
Rosenbuehl-Arzberg	MROB	Bayern,Germany	50.0832N 12.1786E	570	From 2001-10-09
Roseneath	ROS	North Island,New Zealand	41.2833S 174.8000E		
Rose Park Fire Station, Salt Lake City, UT	RPF	Utah,U.S.A.	40.7753N 111.9203W	1287	From 2007-10-03
Rose Pump	RSE	California,U.S.A.	32.9255N 115.4992W	-41	
Rose Valley	RVW	Washington,U.S.A.	46.1495N 122.7440W	460	From 1981-02-01
Rose Valley Central	RVCM	California,U.S.A.	36.0080N 117.8900W	1067	From 1975-09-26
Rose V. Central	WRVM	California,U.S.A.	36.0080N 117.8900W	1067	From 1975-09-26
Ross	ROSS	Washington,U.S.A.	45.6619N 122.6569W	61	
Rossano	ROI	Italy	39.5718N 16.5692E	605	From 1979-06-01
Ross Creek	RCJ	Utah,U.S.A.	40.6585N 111.4393W	2090	From 1992-10-30
Rosskopf	ROSI	Italy	46.9281N 11.4118E	1917	From 2006-12-13
Rosslynne Res.	LYNN	Victoria,Australia	37.4755S 144.5741E	447	
Rostrenen	ROSF	Bretagne,France	48.3364N 3.2736W	260	From 1996-04-03
Roswell	Z25A	New Mexico,U.S.A.	33.2797N 104.7171W	1233	From 2008-04-16
Rota	RTN	Nicaragua	12.5333N 86.7832W	240	From 1975-01-01
Roteberg	ROTU	Sweden	61.4200N 15.8140E	100	From 2000-06-29
Roth Farm, Molt	F19A	Montana,U.S.A.	45.8538N 108.9437W	1243	From 2008-08-07
Rotoiti	RTY	South Island,New Zealand	41.8075S 172.8430E	635	From 1984-07-25 to 2003-09-09
Rotorua	ROT	North Island,New Zealand	38.1333S 176.2500E	284	From 1936-01-01 to 1942-12-31
Rotten Point	ROKY	Kentucky,U.S.A.	37.9090N 83.9260W	433	
Rotterdam (NY)	ROTD	New York,U.S.A.	42.7508N 74.0872W	283	
Rotzenmuhle	ROTZ	Bayern,Germany	49.7669N 12.2070E	430	
Rough Rock, Chinle	U18A	Arizona,U.S.A.	36.4199N 109.8696W	1878	From 2007-05-19 to 2009-02-11
Rougiers	ROU	Provence-Cote d'Azur,France	43.4014N 5.8457E	500	
Round Butte Dam	VRBM	Oregon,U.S.A.	44.6008N 121.2700W	743	
Round Hill, Nevis	NVRH	Nevis,Saint Kitts and Nevis	17.1835N 62.6001W	305	From 2002-05-06
Round Hill Res.	CRHM	California,U.S.A.	37.8588N 121.9926W	259	
Round Mountain	RMI	Idaho,U.S.A.	42.0788N 113.3462W	1516	
Round Mountain	GRMM	California,U.S.A.	39.0205N 122.5843W	469	
Round Mountain	GROM	California,U.S.A.	39.9168N 122.6712W	1261	
Round Mountain	RDM	California,U.S.A.	34.4000N 117.1850W	1426	From 1976-12-01
Round Mountain	RMT	California,U.S.A.	39.9172N 122.6690W		
Round Top Mountain	GRTM	California,U.S.A.	38.9387N 122.6700W	619	
Roure	OG33	Rhone-Alpes,France	44.0918N 7.0872E	1195	From 2000-08-09
Rovaniemi	RNF	Finland	66.6090N 26.0135E	171	From 2007-09-01
Rovere (Rocca di Mezzo)	RM13	Italy	42.1816N 13.5810E	1282	From 2009-04-07 to 2009-09-02
Rovereto Di Novi	ROVE	Italy	44.8530N 10.9497E	21	
Rover˜ɑ Veronese	ROVR	Italy	45.6468N 11.0721E	1316	From 2008-10-08
Rowesville	ROW	South Carolina,U.S.A.	33.3650N 80.7944W	35	From 1977-10-23
Rowsley	ROWM	Victoria,Australia	37.8058S 144.2915E	380	
Roxas	RCP	Panay,Philippines	11.5600N 122.7450E	140	
Roxburgh	ROX	South Island,New Zealand	45.4758S 169.3200E	106	
Royal City	RC1	Washington,U.S.A.	46.9433N 119.4330W	500	From 1988-05-27
Rozhen	RZN	Bulgaria	41.6880N 24.7160E	1730	
Ruataniwha	RTP	South Island,New Zealand	44.2845S 170.0863E	500	From 1976-09-06 to 1976-11-24
Rubha Reidh	RRR	Scotland,United Kingdom	57.8577N 5.8067W	61	From 1995-09-10
Rude Farm, Bottineau	A28A	North Dakota,U.S.A.	48.9096N 100.2669W	692	From 2009-08-11
Rudovci	RUDS	Serbia	44.3878N 20.4003E	0	
Ruedersdorf	RUE	Germany	52.4800N 13.7800E		
Rugen	RGN	Mecklenberg-Vorpommern,Germany	54.5477N 13.3214E	15	
Ruggs Ranch, Heppner	G07A	Oregon,U.S.A.	45.2664N 119.6692W	801	From 2006-08-17 to 2008-05-09
Ruhr-University Bochum--Klosterbusch Mine	BKLB	Nordrhein-Westfalen,Germany	51.4401N 7.2697E	85	
Ruhr-University Bochum--Staatshockbauamt	BSHA	Nordrhein-Westfalen,Germany	51.4469N 7.2445E	148	
Ruhr-University Bochum--Technical Center	BTEZ	Nordrhein-Westfalen,Germany	51.4490N 7.2790E	112	
Rumangabo	RUM	Congo (Kinshasa)	1.3400S 29.3600E	1590	From 1955-01-01 to 1969-12-31
Rumipamba	QUR	Ecuador	0.1717S 78.5288W	3720	From 1988-07-19
Rumoi	RMJ	Rumoi,Japan	43.9433N 141.6367E	22	
Rundenannen	RUND	Norway	60.4135N 5.3672E	525	From 1997-09-01
RUNDU	RUDU	Namibia	17.9090S 19.7210E	1071	From 2006-04-05
Runtun	RUN2	Ecuador	1.4218S 78.4132W	2430	From 1994-12-02
Runtun	RUN5	Ecuador,Ecuador	1.4152S 78.4242W	2630	From 2005-05-01
Runtun 3	RUN3	Ecuador	1.4467S 78.4270W	3290	
Ruppelstein	RUP	Rheinland-Pfalz,Germany	49.7017N 7.0593E	750	From 1976-01-01
Rusayo	RSY	Congo (Kinshasa)	1.5780S 29.1810E	1694	
Rushworth	RUSM	Victoria,Australia	36.6642S 144.9472E	127	
Russellman Park	CRPM	California,U.S.A.	37.9125N 121.9060W	331	From 1970-09-18 to 2008-10-01
Russellman Park	CRPB	California,U.S.A.	37.9123N 121.9072W	307	
Russell Place, West Yellowstone	H16A	Montana,U.S.A.	44.7038N 111.2478W	2080	From 2007-08-25 to 2009-09-07
Russell Springs	RS-	Kentucky,U.S.A.	37.1986N 84.8683W	274	From 1965-12-03 to 1965-12-13
Russell Springs	RS-KY	Kentucky,U.S.A.	37.1986N 84.8683W	274	From 1965-12-03 to 1965-12-13
Russkaya	RUS	Kamchatskaya Oblast',Russia	52.4331N 158.5131E	75	
Rustrel	RUSF	Provence-Cote d'Azur,France	43.9410N 5.4840E	550	From 2000-08-02
Rutbah	RTB	Iraq	33.0295N 40.3077E	612	
Ruteng	RUTI	Flores,Indonesia	8.6120S 120.4650E	0	From 2005-01-01
Ruth	RUT	Nevada,U.S.A.	39.2333N 114.9830W	2270	From 1960-01-01 to 1964-04-30
Ruthven	RUN	California,U.S.A.	32.9722N 114.9770W	151	From 1973-04-16
Ruweisid	RUWJ	Jordan	32.4750N 38.4019E	751	From 1989-10-02
R-V Farms, Vernon	Y32A	Texas,U.S.A.	34.0036N 99.4420W	412	From 2009-03-20
Ryan	RYN	Nevada,U.S.A.	38.6282N 118.5230W	1585	From 1974-08-01
Rybach'ye	RYB	Kyrgyzstan	42.4500N 76.0833E		
Rybnik	RBN	Poland	50.0981N 18.5336E	250	From 1950-01-01 to 1969-12-31
Ryder	RY-	North Dakota,U.S.A.	48.0972N 101.4944W	640	From 1963-07-22 to 1966-06-03
Ryder	RY-ND	North Dakota,U.S.A.	48.0972N 101.4944W	640	From 1963-07-22 to 1966-06-03
Ryogami san	JRY	Saitama,Japan	36.0167N 138.9017E	480	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
S2 Ranch, Elgin	F09A	Oregon,U.S.A.	45.7087N	117.9094W	894	From 2006-08-09 to 2008-06-21
Saathoff Ranch, Hondo	633A	Texas,U.S.A.	29.4591N	99.1766W	320	From 2009-12-05
Saatly	SAAT	Azerbaijan	39.8610N	48.4230E	13	From 2010-04-08
Saba	SABT	Netherland Antilles	17.6205N	63.2430W	880	From 2000-01-22
Saba	SABA	Caribbean Sea,Netherlands Antilles	17.6205N	63.2426W	261	From 2006-10-30
Saba	SABS	Netherlands Antilles	17.6206N	63.2430W	500	
Saba	SBN	Netherlands Antilles	17.6370N	63.2350W	870	From 1976-10-01
Sabancuy	SCIG	Campeche,Mexico	18.9670N	91.1853W	40	From 2000-07-01
Sabatlo	SBTG	Georgia	41.3236N	46.6639E	256	From 2003-01-01
Sabc	SABC	Cuba	20.3800N	75.1900W		
Saberio	SAB	Georgia	42.6600N	41.8500E	180	
Sable island	SABG	Nova Scotia,Canada	43.9312N	60.0084W	0	From 2005-10-13
Sabuk	KSGWL	South Korea	37.2076N	128.8235E	1	From 2007-12-11
Sacbachol	SBL	Guatemala	14.8917N	91.2787W	3403	From 1980-01-01
Sachs Harbour	SWT	Northwest Territories,Canada	71.9933N	125.2830W	80	From 1980-12-03 to 1986-07-14
Sachs Harbour	SXT	Northwest Territories,Canada	71.9892N	125.2400W	77	From 1986-08-13
Sacramento	SMKY	Kentucky,U.S.A.	37.4230N	87.2760W	158	From 1985-01-01
Sacranix	SXG	Guatemala	15.5058N	90.4197W	1904	From 1985-11-01 to 1999-08-25
Sacuragua	FISA	Venezuela	11.2648N	69.3333W	600	From 1986-12-01 to 1999-08-25
Sa da Bandeira	SDB	Angola	14.9258S	13.5719E	1781	From 1962-01-01 to 1975-12-31
Sad'ah	SADA	Yemen	16.9330N	43.7500E	1850	
Sadao Pong	PBKT	Thailand	16.5700N	100.9700E	8	From 2008-01-01
Saddle Back Butte	SBB	California,U.S.A.	34.6883N	117.8250W	832	From 1974-01-03
Saddleback Mountain	SBKC	California,U.S.A.	35.0788N	117.5810W	881	
Saddle Mountain	SDL	Washington,U.S.A.	46.7954N	119.4910W		
Saddle Peak	SADC	California,U.S.A.	34.0810N	118.6650W	732	From 1973-08-01
Sadie Cove	SDEM	Alaska,U.S.A.	59.4433N	151.2820W	770	From 1983-07-04 to 1984-06-29
Sado	JSD	Niigata,Japan	38.0370N	138.2603E	146	
Sadowa	SADO	Ontario,Canada	44.7694N	79.1417W	243	From 1993-12-03
Sadrabad	ISAD	Iran	31.9136N	53.6855E	2457	From 1998-10-01
Saentis	SAX	Switzerland	47.2507N	9.3449E	2500	From 1983-07-01 to 2001-08-28
Safranbolu	SAFT	Turkey	41.2398N	32.6872E	406	
Saga	SAG	Saga,Japan	33.2450N	130.3050E	4	
Sagara	SGRN	Shizuoka,Japan	34.7122N	138.1889E	55	
Sagara	JSG	Shizuoka,Japan	34.6743N	138.1860E	107	
Saggi Highlands	SAGI	Israel	30.2040N	34.6770E	560	
Sagiada	SGD	Greece	39.6126N	20.2343E	145	From 2010-05-13
Saguache, Gunnison	R22A	Colorado,U.S.A.	38.2289N	106.7561W	2773	From 2007-12-19 to 2010-02-07
Saham	SHMJ	Jordan	32.7270N	35.7640E	363	From 1989-08-28
Sahibganj	SHBG	Bihar,India	25.2167N	87.6667E		
Saibi	SISI	Sumatera,Indonesia	1.3265S	99.0895E	0	From 2007-12-01
Saidpur	SAD	Pakistan	33.7422N	73.0633E	838	From 1988-09-18
Saigo	SAI	Shimane,Japan	36.2018N	133.3363E	27	
Saijyo	JHS	Hiroshima,Japan	34.9987N	133.1163E	470	
Saint Agoulin	AGO	Auvergne,France	46.0524N	3.1311E	523	From 1984-07-01
Saint Andre	A21	Quebec,Canada	47.7036N	69.6897W	46	From 1977-08-30
Saint Andrews	SAW	Washington,U.S.A.	47.7017N	119.4010W	704	From 1975-06-01
Saint Aubin	JSA	Channel Islands,United Kingdom	49.1879N	2.1709W	21	From 1981-01-01
Saint-Augustin-de-Desmaures	SADQ	Quebec,Canada	46.7485N	71.5365W	82	From 2007-11-01
Saint Breward	SBD	England,United Kingdom	50.5653N	4.6856W	220	
Saint Catharines	STCO	Ontario,Canada	43.2096N	79.1705W	96	From 1991-07-26
Saint Claude	SCG	Guadeloupe	16.0289N	61.6810W	646	
Saint-Cripin	OG21	Provence-Cote d'Azur,France	44.7155N	6.6185E	1395	From 1988-09-13
Saint Croix	SCV	Virgin Islands	17.7817N	64.7890W	12	From 1975-04-01 to 1999-08-25
Saint Croix	SCVI	Virgin Islands	17.7614N	64.5831W	10	From 2003-11-06
Sainte Mathilde	A61	Quebec,Canada	47.6931N	70.0900W	358	From 1981-06-05
Sainte-Reine	OG07	Rhone-Alpes,France	45.5927N	6.1410E	915	From 1992-10-07
Saint-Etienne-de-Cuines	OG10	Rhone-Alpes,France	45.3522N	6.2758E	1035	From 1992-10-15
Saint-Etienne-de-Tinee	STET	Provence-Cote d'Azur,France	44.2590N	6.9290E	1200	
Saint Francis	P28A	Kansas,U.S.A.	39.5732N	101.7548W	1105	From 2009-05-11
Saint Francis Retreat	HSFM	California,U.S.A.	36.8120N	121.4990W	340	From 1975-11-13
Saint Francois	SFG	Guadeloupe	16.2533N	61.1965W	10	From 1975-01-01
Saint George	T13A	Utah,U.S.A.	37.0195N	113.9073W	878	From 2007-01-29 to 2008-10-09
Saint George	SGS	South Carolina,U.S.A.	33.1925N	80.5095W	25	From 1973-03-08
Saint George	WDO	Utah,U.S.A.	37.1076N	113.5865W	831	From 2008-05-28
Saint George	GGN	New Brunswick,Canada	45.1184N	66.8421W	6	From 1981-10-28
Saint George Infrasonic Array Beam Ref. Pt.	SGIAR	Utah,U.S.A.	37.9159N	113.6150W		
Saint George Infrasonic Array Site 1	SGI01	Utah,U.S.A.	37.9159N	113.6150W		
Saint George Infrasonic Array Site 2	SGI02	Utah,U.S.A.	37.0097N	112.4915W		
Saint George Infrasonic Array Site 3	SGI03	Arizona,U.S.A.	36.1139N	113.6150W		
Saint George Infrasonic Array Site 4	SGI04	Nevada,U.S.A.	37.0097N	114.7385W		
Saint George's Hill	MGH	Montserrat	16.7200N	62.2160W	351	From 1980-07-09
Saint Gilles	SGMF	Bretagne,France	48.2542N	2.5569W	230	From 1996-04-03
Saint Helena Island	SHLN	Saint Helena	15.9167S	5.7333W	274	From 1907-01-01 to 1942-12-31
Saint Helena Road	NSHM	California,U.S.A.	38.5200N	122.6070W	328	From 1970-08-14
Saint-Hilarion	SHQ	Quebec,Canada	47.6034N	70.4009W	411	
Saint Jean	DPQ	Quebec,Canada	46.6805N	72.7773W	167	
Saint Jean de L'Alberes	SJAF	Languedoc-Rousillon,France	42.4845N	2.8822E	450	From 1998-11-16
Saint Joe	SJID	Idaho,U.S.A.	47.3640N	116.4112W	1775	
Saint John	SJV	Virgin Islands	18.3450N	64.7620W	280	From 1975-06-01
Saint John's	SJNN	Newfoundland,Canada	47.5952N	52.6781W	146	From 2005-10-12
Saint John's	STJN	Newfoundland,Canada	47.5699N	52.7559W	167	From 1991-08-12 to 2006-03-28
Saint John's	STJ	Newfoundland,Canada	47.5717N	52.7328W	62	From 1964-06-01 to 1991-08-31
Saint John's Bayou	SJMO	Missouri,U.S.A.	36.6290N	89.4760W	91	
Saint Joseph Seminary	SJH	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
Saint-Julien-en-Beauchene	OG19	Provence-Cote d'Azur,France	44.6303N	5.7260E	1035	From 1989-10-13
Saint-Julien-le-Roux	VIVF	Rhone-Alpes,France	44.8561N	4.6728E	620	From 1996-04-03
Saint Kitts	SKI	St Kitts,Saint Kitts and Nevis	17.3333N	62.7390W	306	From 1959-04-17
Saint Kitts	STKP	St Kitts,Saint Kitts and Nevis	17.3800N	62.8270W	366	
Saint Kitts 2	SKDB	St Kitts,Saint Kitts and Nevis	17.3969N	62.8083W		From 1988-01-01
Saint Louis	SLM	Missouri,U.S.A.	38.6361N	90.2361W	161	From 1909-10-01
Saint Louis du Ha Ha	SLQ	Quebec,Canada	47.6662N	69.0103W	320	From 1984-06-07
Saint Lucia	SLI	St Lucia	14.0280N	61.0080W	30	From 1955-03-08 to 1959-02-02
Saint Martial	SSM	Haiti	18.5556N	72.3375W	26	
Saint Martin du Canigou	SMCF	Languedoc-Rousillon,France	42.5280N	2.4018E	1000	
Saint Martin du Fouilloux	MFF	Poitou-Charentes,France	46.6022N	0.1458W	270	From 1971-03-24
Saint Mary's College	SMCB	California,U.S.A.	37.8388N	122.1116W	177	
Saint-Maurice-en-Valgodemard	OG14	Provence-Cote d'Azur,France	44.8152N	6.1123E	1090	From 1988-10-26
Saint Nazaire	OCF	Rhone-Alpes,France	44.5783N	5.3021E	840	
Saint Ours	SURF	Provence-Cote d'Azur,France	44.4808N	6.8128E	1820	From 1983-10-01
Saint Patrick	MSPT	Montserrat	16.6835N	62.1992W	127	
Saint Patrick Mountain	VPMM	Oregon,U.S.A.	43.1933N	120.6660W	1387	
Saint Paul	SP-IS	Alaska,U.S.A.	57.1542N	170.2181W	10	
Saint Paul	SPP	Alaska,U.S.A.	57.1533N	170.2400W		
Saint Paul Island	SPIA	Alaska,U.S.A.	57.1776N	170.2455W	84	
Saint Paul Islands	SPI	Alaska,U.S.A.	57.1600N	170.2250W		From 1967-07-02 to 1967-09-10
Saint Petersburg	LNN	Leningradskaya Oblast',Russia	59.9333N	30.3000E	3	
Saint Petersburg	NE51	Leningradskaya Oblast',Russia	59.8810N	29.8260E	20	
Saint Peter's Dome Lookout	SPD	New Mexico,U.S.A.	35.7578N	106.3690W	2566	From 1973-09-01
Saint Peters School	SPSY	New York,U.S.A.	41.3019N	73.8906W	168	
Saint Philip	BBSP	Barbados	13.1045N	59.4579W	35	
Saint Pierre	SPR	St Pierre and Miquelon	46.7833N	56.1833W		
Saint Roch-des-Aulnaies	A11	Quebec,Canada	47.2425N	70.1978W	61	From 1977-08-30
Saint Saulge	SSF	Bourgogne,France	47.0615N	3.5060E	355	From 1967-03-29
Saint Saulge	SSF1	Bourgogne,France	47.1167N	3.5014E		
Saint Sauveur de Carouges	SSC	Basse-Normandie,France	48.5842N	0.1075W	300	
Saint Sauveur en Rue	SSB	Rhone-Alpes,France	45.2792N	4.5417E	700	
Saint Simeon	A64	Quebec,Canada	47.8264N	69.8922W	137	From 1977-08-30
Saint-Thibaud-de-Couz	OG09	Rhone-Alpes,France	45.5123N	5.8363E	630	From 1988-10-21
Saint Thomas	VST	Virgin Islands	18.3540N	64.9570W	372	From 1975-04-01 to 1999-08-25
Saint Thomas	STVI	Virgin Islands	18.3514N	64.9539W	12	
Saint Vincent	SVI	St Vincent,Saint Vincent and the Grenadines	13.1700N	61.2580W	10	
Saint Vincent	SVT	St Vincent,Saint Vincent and the Grenadines	13.1680N	61.2450W	38	From 1964-03-03 to 1999-08-25
Saint Vincent's CYO School for Boys, San Rafael	SVIN	California,U.S.A.	38.0333N	122.5264W	0	
Saipan	SAPN	Mariana Islands	15.2149N	145.7516E	209	From 1991-01-01
Sajaritas	SAJV	Venezuela	10.3648N	71.3511W	65	
Sakai	SAA	Tottori,Japan	35.5500N	133.2330E	2	
Sakaide	JJS	Kagawa,Japan	34.3737N	133.9307E	210	
Sakarya_HENDEK	SAHE	Turkey	40.8525N	30.8536E	461	From 2011-01-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sakata	SAK	Yamagata,Japan	38.9067N	139.8470E	4	
Sakata 2	SKH	Yamagata,Japan	38.8567N	139.9730E	58	From 1978-03-01
Saki	SHKI	Azerbaijan	41.2050N	47.1950E	600	From 1973-01-01
Sakura	SKU	Chiba,Japan	35.7167N	140.2330E		
Sala	SALA	Syria	32.7112N	36.7329E	1670	From 1995-02-01
Sala Consilina	SLCN	Italy	40.3900N	15.6328E	986	
Salado	SDO	Atacama,Chile	26.4194S	70.3111W		
Salagasta	ASAL	Mendoza,Argentina	32.5911S	68.8349W	972	
Salakas	ISAL	Lithuania	55.5711N	26.1255E	175	
Salau	SALF	Midi-Pyrenees,France	42.7600N	1.1893E	900	From 1989-01-01
Salazar	SZVM	Mexico D.F.,Mexico	19.3230N	99.3810W	3357	
Salem	SX-	South Dakota,U.S.A.	43.8747N	97.2500W	488	From 1962-11-09 to 1962-12-12
Salem	SALM	Tamil Nadu,India	11.6500N	78.2000E	0	From 2000-01-01
Salem	VSMM	Oregon,U.S.A.	44.9270N	123.1270W	290	
Salem	SX-SD	South Dakota,U.S.A.	43.8747N	97.2500W	488	From 1962-11-09 to 1962-12-12
Sale Mountain	SLEB	British Columbia,Canada	51.1667N	118.1330W	2075	
Salina	SNK	Kansas,U.S.A.	38.9530N	97.6030W	407	From 1978-04-18 to 2001-07-15
Salina	SLNA	Italy	38.5636N	14.8329E	361	
Salina IE	ISLN	Sicily,Italy	38.5803N	14.8135E	283	From 1988-01-01
Salinas	SALI	Ecuador	2.1863S	80.9908W	50	From 1996-03-07
Salinas	SLN	Antofagasta,Chile	23.1539S	69.6111W	1350	
Salinas Radio	AN12*	California,U.S.A.	36.6685N	121.5190W	399	From 1969-05-09 to 1977-03-04
Salinas Radio Site	SRC	California,U.S.A.	36.6685N	121.5190W	399	From 1969-05-09 to 1977-03-04
Salinas Radio Site	BSRM	California,U.S.A.	36.6665N	121.5190W	395	From 1977-03-09
Sal'it	SLTI	Israel	32.2405N	35.0403E	250	From 2002-05-28
Salmond Ranch, Choteau	C15A	Montana,U.S.A.	47.7750N	112.6072W	1522	From 2007-09-09 to 2009-08-14
Salo	SAL	Italy	45.6075N	10.5261E	77	
Salome	Y13A	Arizona,U.S.A.	33.8142N	113.8287W	356	From 2006-03-16 to 2008-10-21
Salr	SALO	Italy	45.6183N	10.5243E	600	From 2005-11-03
Salt	SALJ	Jordan	32.0093N	35.6847E	780	From 1983-09-01
Salta	SLT	Salta,Argentina	24.7833S	65.4167W		
Saltair	SAU	Utah,U.S.A.	40.8197N	112.0730W	1283	From 1974-03-01 to 1982-04-30
Saltdale	SDLC	California,U.S.A.	35.3805N	117.8867W	756	
Saltillo	SALX	Baja California,Mexico	32.4222N	115.1303W	50	From 1994-08-16
Salt Lake City	SLC	Utah,U.S.A.	40.7638N	111.8480W	1423	From 1962-04-01
Salto do Cavalo	SDCA	Azores,Portugal	37.7939N	25.3172W	644	From 1981-01-01
Saltoluokta	SALU	Sweden	67.3801N	18.5067E	500	From 2003-08-24
Salton Sea Test Base	SLTC	California,U.S.A.	33.2648N	115.9232W	-50	
Saltpond	SPG	Ghana	5.2000N	1.0667W	50	From 1980-02-01 to 1980-06-30
Saltspring Island	SSIB	British Columbia,Canada	48.7558N	123.3875W	12	
Salvajina	SALC	Colombia	2.9729N	76.6952W	1430	From 1988-11-01
Samad	SMDO	Oman	23.0589N	58.0492E	1000	From 2001-07-01
Samaipata	SMB	Bolivia	18.1667S	63.8500W	1650	
Samana, DR	SMN1	Dominican Republic	19.1878N	69.2733W	521	From 2007-03-01
Samandagi	SMDT	Turkey	36.1090N	35.9490E	20	From 1997-05-01
Samarinda	SMKI	Kalimantan,Indonesia	0.4461S	117.2085E	97	From 2005-01-01
Samarkand	SAM	Uzbekistan	39.6733N	66.9900E	704	
Samaxi	SHE	Azerbaijan	40.6380N	48.6390E	840	From 1902-01-01
Sambava	SBV	Madagascar	13.4584S	49.9212E	63	From 2009-11-19
Samburg	DY4	Tennessee,U.S.A.	36.4167N	89.3031W	140	From 1969-01-01 to 1972-12-31
Sameba	SAMG	Georgia	41.6972N	44.8157E	465	From 2003-01-01
Sam Houston State University, Huntsville	438A	Texas,U.S.A.	30.7500N	95.4741W	97	From 2010-02-17
Samo	SOI	Italy	38.0722N	16.0550E	300	
Samoens	OG03	Rhone-Alpes,France	46.0667N	6.7305E	1000	From 1990-04-25
Samokov	SAMO	Former Yugoslav Rep. of Macedonia	41.6928N	21.1392E	638	From 2004-01-01
Samos	SMG	Greece	37.7087N	26.8370E	340	From 1989-06-01
Samos	SMS	Greece	37.8000N	26.7000E		
Samothraki Island	SMTH	Greece	40.4709N	25.5304E	365	From 2009-04-08
Samovar Hills	SAMH	Alaska,U.S.A.	60.1298N	140.7809W	1140	
Sampolo	SMPL	Corse,France	42.0940N	9.2850E	405	
Samsun-Alacam	SAMS	Turkey	41.3610N	36.1872E	192	From 2010-12-01
Samsville	SMV	Illinois,U.S.A.	38.4890N	88.0820W	134	From 1974-04-01
Samuel	SRB	Rondonia,Brazil	8.8333S	63.4717W		
Samuel	SAML	Rondonia,Brazil	8.9488S	63.1832W	101	
Sam W. Stewart	SWSC	California,U.S.A.	32.9408N	115.7958W	140	
San'a	SANA	Yemen	15.3870N	44.2050E	2280	
Sanada	SDJ	Nagano,Japan	36.4367N	138.3050E	660	From 1968-07-01 to 1973-03-31
Sanae	SNA	Dronning Maud Land	70.3150S	2.3250W	57	
Sanae	SNAA	Dronning Maud Land	71.6707S	2.8379W	846	
Sanak Island	SNKA	Alaska,U.S.A.	54.4740N	162.7750W	159	
Sanana	SANI	Moluccas,Indonesia	2.0496S	125.9881E	28	From 2009-12-03
Sanandaj	SNGE	Iran	35.0925N	47.3470E	1940	From 2004-04-04
San Andreas	SAC	California,U.S.A.	37.5825N	122.4170W	207	From 1973-10-01
San Andreas	JSAM	California,U.S.A.	37.5825N	122.4170W	207	From 1973-10-01
San Andreas Geological Observatory	SAO	California,U.S.A.	36.7640N	121.4472W	317	From 1966-01-01
San Andreas Lake	JSLM	California,U.S.A.	37.5760N	122.4233W	335	
San Andreas Lake	LT9	California,U.S.A.	37.5760N	122.4230W	335	From 1967-07-13 to 1972-09-27
San Andres	AUQP	Luzon,Philippines	13.3230N	122.6750E	50	
San Andres	SRD	Colombia	6.8132N	72.8503W	1640	From 1975-01-25
San Angelo	331A	Texas,U.S.A.	31.3085N	100.4266W	615	From 2009-03-05
San Angelo	SA2	Texas,U.S.A.	31.5500N	100.9075W	732	From 1967-04-16 to 1967-05-16
San Angelo	SA4	Texas,U.S.A.	31.8247N	101.4264W	792	From 1967-04-17 to 1967-05-23
San Angelo	SA2TX	Texas,U.S.A.	31.5500N	100.9075W	732	From 1967-04-16 to 1967-05-16
San Angelo	SA4TX	Texas,U.S.A.	31.8247N	101.4264W	792	From 1967-04-17 to 1967-05-23
San Antonio	SLP	Guatemala	14.7430N	90.2828W	1410	From 1978-06-01
San Antonio Reservoir	PANM	California,U.S.A.	35.7797N	120.9070W	451	
San Antonio Texas	SAT1	Texas	28.5550N	98.6450W	-27	From 2010-04-30
San Ardo	PSAM	California,U.S.A.	36.0253N	120.8880W	184	
Sanarito	SANV	Venezuela	9.5010N	69.5360W	1083	From 2002-05-29
Sanatorio Duran	SDS	Costa Rica	9.9333N	83.8836W	2340	
San Bartolome de la Torre, Huelva	E008	Spain	37.4969N	7.1304W	184	From 2007-09-26 to 2009-06-23
San Benito	SBT	California,U.S.A.	36.5095N	121.0760W	442	From 1971-01-28
San Benito	BBNM	California,U.S.A.	36.5095N	121.0760W	442	From 1971-01-28
San Bernardino	IIB	Puebla,Mexico	18.9640N	98.3447W	2380	
San Bernardino Valley	SBVC	California,U.S.A.	34.0881N	117.3110W		
San Blas	SBLS	El Salvador	13.8393N	89.6230W	1949	
Sanborn	SANY	New York,U.S.A.	43.1738N	78.8703W	172	From 1977-10-19 to 2002-12-20
Sanbornton	NH1	New Hampshire,U.S.A.	43.5473N	71.5743W	402	
San Bruno Mountain	JSBM	California,U.S.A.	37.6790N	122.3970W	194	
San Calixto	LPZ	Bolivia	16.4953S	68.1327W	3658	From 1912-01-01
San Caprasio	ESAC	Spain	41.7219N	0.4693W	815	
San Carlos High School, San Carlos	Z17A	Arizona,U.S.A.	33.2969N	110.4723W	846	From 2007-04-16 to 2009-01-21
San Casciano dei Bagni	SACS	Italy	42.8491N	11.9097E	845	From 2004-12-16
SANCHEONG	KSSAC	South Korea	35.4060N	127.8754E	139	From 2000-12-06
Sanchez	DR13	Dominican Republic	19.2405N	69.5887W	400	
San Clemente Island	SCI	California,U.S.A.	32.9800N	118.5470W	219	From 1967-07-27
San Cristobal	SCRV	Venezuela	7.7889N	72.1917W	818	
San Cristobal	SCX	Chiapas,Mexico	16.7358N	92.6345W		From 1987-01-01
San Cristobal	CRIN	Nicaragua	12.7000N	87.0500W	685	
San Cristobal	SCR	Santiago,Chile	33.5000S	71.0000W		
Sandakan	SDKM	Sabah,Malaysia	5.6410N	117.1950E	523	From 2003-04-01
San Damiano	DOI	Italy	44.5041N	7.2466E	1039	
Sand Bay	SBY	Alaska,U.S.A.	51.9976N	176.0920W		From 1948-08-01 to 1951-12-31
Sand Canyon	SNDC	California,U.S.A.	35.1426N	118.3029W	1294	
Sand Creek	SCRK	Alaska,U.S.A.	63.9769N	143.9859W	1375	
Sanders	W19A	Arizona,U.S.A.	35.1118N	109.3879W	1785	From 2007-04-29 to 2009-02-02
Sanderson	SS-	Texas,U.S.A.	30.0214N	102.3281W	732	From 1961-10-19 to 1963-06-11
Sanderson	SS-TX	Texas,U.S.A.	30.0214N	102.3281W	732	From 1961-10-19 to 1963-06-11
Sanderson Ranch, Post	Z30A	Texas,U.S.A.	33.2861N	101.1282W	729	From 2009-03-10
Sanders Place, Florence	R24A	Colorado,U.S.A.	38.2315N	105.1075W	1978	From 2008-06-02
Sandia	CSAM	California,U.S.A.	37.6737N	121.7040W	215	From 1979-10-09
San Diego	SDC	California,U.S.A.	32.6833N	117.2420W		
San Diego	SND	California,U.S.A.	32.7667N	117.0670W	125	
San Diego Bay	SGB	Alaska,U.S.A.	55.5458N	160.4540W	275	
San Diego Road Dept, El Cajon	SDRC	California,U.S.A.	32.7356N	116.9424W	113	From 2001-04-20
Sandimen	SSD	Taiwan region	22.7460N	120.6320E	148	
San Donato	SDI	Italy	41.7092N	13.8103E	720	From 1984-06-01
Sand Pete Hill	YUK1	Yukon Territory,Canada	62.1533N	140.5287W	1557	From 2010-08-25
Sandpoint	B11A	Idaho,U.S.A.	48.4366N	116.3674W	870	From 2006-10-05 to 2008-06-12

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sand Point	SASA	Alaska,U.S.A.	55.3400N	160.4970W	23	
Sand Point	SDN	Alaska,U.S.A.	55.3413N	160.4970W	23	From 1978-10-12 to 2004-09-10
Sand Point	SDPT	Alaska,U.S.A.	55.3492N	160.4766W	74	
Sand Point BB	SPBA	Alaska,U.S.A.	55.3498N	160.4760W	90	From 1993-07-01
Sandskeio	ISAN	Iceland	64.0560N	21.5700W	208	From 1996-10-14
Sandspit	SSQ	British Columbia,Canada	53.2500N	131.8170W	3	From 1977-07-14 to 1978-03-18
Sandwick	SANU	Shetland Islands,United Kingdom	60.0176N	1.2386W	150	
Sandwick	SAN1	Shetland Islands,United Kingdom	60.0179N	1.2392W	150	From 1985-01-01
Sandy Floe Quarry	P403	Washington,U.S.A.	48.0624N	124.1409W	314	From 2005-06-21
Sandy Hook	SHTN	Tennessee,U.S.A.	35.4597N	87.1297W	323	From 1985-09-27 to 1989-06-30
Sandy Lake, NWT	SNLN	Northwest Territories,Canada	62.8304N	107.6119W	0	From 2008-07-12
San Emigdio	SEGC	Colombia	3.5469N	76.2010W	1384	
San Felipe	HFEM	California,U.S.A.	36.9833N	121.4010W	323	From 1971-10-14
San Felipe	SFP	Baja California,Mexico	31.0317N	114.8300W	4	From 1969-04-26
San Felipe	SFL	California,U.S.A.	36.9833N	121.4010W	323	From 1971-10-14
San Felipe	SFX	Baja California,Mexico	30.8810N	114.7520W	55	
San Felix	SFX2	Panama	8.2935N	81.8688W	0	
San Fernando	SFS	Spain	36.4656N	6.2055W	21	
San Fernando	SFUC	Spain	36.6370N	6.1750W	88	
San Fernando	SFDO	O'Higgins,Chile	34.6143S	71.0138W	690	
San Fidel	W21A	New Mexico,U.S.A.	35.1170N	107.6476W	1966	From 2008-01-12 to 2010-02-07
San Francisco	SFB	California,U.S.A.	37.7767N	122.4520W	100	From 1931-04-01 to 1964-12-31
San Francisco	SFC	California,U.S.A.	37.7667N	122.4170W		
San Francisco	SFM	California,U.S.A.	37.7644N	122.4370W	103	
San Francisco	FRCO	California	37.7520N	122.4767W	115	From 2011-05-18
San Francisco Camp Mather, Mather	S06C	California,U.S.A.	37.8817N	119.8488W	1377	From 2005-10-08 to 2007-10-04
San Francisco--Rincon	SFR	California,U.S.A.	37.7880N	122.3890W	8	
San Fratello	ME02	Italy	38.0332N	14.5901E	677	From 2007-10-19 to 2009-02-03
San Fratello	MSFR	Sicily	38.0330N	14.5910E	708	From 2010-12-22
Sangatta, Kalimantan	SGKI	Kalimantan,Indonesia	0.5300S	117.6040E	178	From 2008-12-01
S. Angelo Dei Lombardi	SNAL	Italy	40.9254N	15.2091E	874	From 2004-08-24
San Gibilmanna	SG6*	Sicily,Italy	37.9869N	14.0261E		From 1966-04-01 to 1966-05-01
Sangihe	SGSI	Mindanao,Philippines	3.6860N	125.5286E	100	From 2005-01-01
Sangi-Kar	SNGI	Tajikistan	39.0300N	70.1300E	1400	
San Giovanni Rotondo	SGRT	Italy	41.7546N	15.7437E	960	From 2006-05-24
Sangju	KSSAJ	South Korea	36.4080N	128.1575E	128	From 2006-12-30
San Gregorio	SGP	Peru	16.5621S	72.7136W	108	
San Gregorio	GIO	Sicily,Italy	37.5667N	15.1083E	330	From 1989-02-01
Sang-Tuda	SAT	Tajikistan	37.9667N	69.0333E		
Sanguang	NSK	Taiwan region	24.6760N	121.3580E	682	
San Ignacio	SIV	Bolivia	15.9913S	61.0722W	520	From 1990-03-01
Sanikiluaq	SNKN	Quebec,Canada	56.5362N	79.2315W	10	From 2009-07-25
Sanikiluaq	SNQN	Quebec,Canada	56.5418N	79.2254W	15	From 2006-09-20
San Jacinto	SJAS	El Salvador	13.6667N	89.1667W	1100	
San Javier	SJC	Linares,Chile	35.6417S	71.7250W	80	
San Jeronimo	SJRM	Guerrero,Mexico	17.1380N	100.4740W	40	
San Joaquin	SJX	Baja California,Mexico	31.7628N	115.9590W		From 1986-01-01
San Joaquin Reservoir	SJQ	California,U.S.A.	33.6200N	117.8450W	165	From 1971-07-07 to 1999-08-25
San Jorge	JORG	Ecuador	0.2172S	78.6457W	2800	
San Jorge 1	JOR1	Ecuador	0.0001S	78.6387W	2690	
San Jose	SJR	Costa Rica	9.9350N	84.0778W	1156	
San Jose	SNJE	El Salvador	13.8683N	89.6057W	1694	
San Jose	SJMP	Mindoro,Philippines	12.4610N	121.1190E	27	
San Jose	SJ-TX	Texas,U.S.A.	27.6119N	98.3128W	114	From 1961-11-01 to 1967-09-30
San Jose de las Matas	DR02	Dominican Republic	19.3542N	70.7718W	490	
San Jose del Guaviare	GUVC	Colombia	2.5448N	72.6273W	217	
San Jose del Monte	SBPH	Luzon,Philippines	14.7950N	121.1160E	240	
San Jose de Maipo	SJCH	Santiago,Chile	33.6407S	70.3538W	997	
San Jose Maipo	SJM	Santiago,Chile	33.6500S	70.3667W	967	
San Jose (USA)	SJ-	Texas,U.S.A.	27.6119N	98.3128W	114	From 1961-11-01 to 1967-09-30
San Juan	SJP	Puerto Rico	18.3817N	66.1183W	80	From 1925-12-01 to 1965-12-31
San Juan	SJA	San Juan,Argentina	31.5261S	68.5581W	660	
San Juan	SJU	Peru	15.3560S	75.1790W	75	
San Juan	SJG	Puerto Rico	18.1117N	66.1500W	45	From 1964-09-23
San Juan	JUAN	Ecuador	0.2083S	78.5917W	3590	
San Juan 2	JUA2	Ecuador	0.2138S	78.6052W	3670	
San Juan Bautista	HBTM	California,U.S.A.	36.8502N	121.5510W	98	From 1975-06-05
San Juan del Sur	SSN	Nicaragua	11.3012N	85.8535W	160	From 1975-01-01
San Juan del Sur	SSNN	Nicaragua	11.2878N	85.8495W	415	
San Juan Grade	HJGM	California,U.S.A.	36.7980N	121.5740W	171	From 1967-06-21
San Juan Grade	AN3*	California,U.S.A.	36.7980N	121.5740W	171	From 1967-06-21
San Juan, Peru	SJN	Peru	13.4117S	75.9467W	500	
SanJuan Tecuaco	SJT	Guatemala	14.0813N	90.2688W	460	From 1980-02-01 to 1999-08-25
San Juan (W)	SJGC	Puerto Rico	18.1117N	66.1500W	45	From 1964-09-23
Sankt Quirin	SQTA	Austria	47.2205N	11.2087E	1307	From 1989-05-01
San Lazaro	A490	Costa Rica	10.2723N	85.4582W	0	From 2000-01-01
San Leandro Hills	CSLM	California,U.S.A.	37.7242N	122.1193W	219	
San Lorenzo	LORV	Venezuela	9.7821N	71.0631W	0	
San Lorenzo	SLA	Salta,Argentina	24.7211S	65.5045W	1520	From 1977-02-01
San Lorenzo	LORE	Ecuador	1.2960N	78.8453W	1	From 1992-07-08
San Lorenzo Bellizzi	SALB	Italy	39.8772N	16.3459E	1200	From 2009-09-03
San Luis	SLU	Arizona,U.S.A.	32.5017N	114.7770W	41	From 1973-04-16
San Luis	T24B	Colorado,U.S.A.	37.0624N	105.3817W	2625	From 2009-08-14
San Luis Dam	HSLM	California,U.S.A.	37.0802N	121.0940W	122	From 1974-03-02
San Luis Dam	SLD	California,U.S.A.	37.0747N	121.2210W	443	From 1965-11-01
San Luis RˆoColorado	SLX	Sonora,Mexico	32.4560N	114.7048W	40	From 2008-10-03
San Marcial	SMNM	New Mexico,U.S.A.	33.7787N	107.0190W	1560	
San Marcos	SMAM	Guerrero,Mexico	16.7855N	99.3982W		
San Marcos	SMCN	Nicaragua	11.9067N	86.2019W		From 1990-01-01
San Martin	MRA	San Luis,Argentina	32.4190S	65.7172W	1095	From 1983-11-01
San Martin Antarctic Base	SMAI	Antarctic Peninsula	68.1302S	67.1059W	8	From 2007-02-02
SAN MARTINO	SMA1	Italy	42.6305N	13.3353E	1150	From 2009-08-13
San Martino d'Ocre	RM03	Italy	42.2743N	13.4717E	1483	From 2009-04-06 to 2009-08-31
San Miguel	SMMM	Mexico D.F.,Mexico	19.7398N	98.7405W		From 1988-01-01
San Miguel	VSM	El Salvador	13.4281N	88.2742W	2129	
San Miguel	SMX	Baja California,Mexico	31.6880N	115.9040W		
San Miguel	MGUL	Ecuador	0.2587S	78.5843W	3498	
San Miguel Island	BSM	California,U.S.A.	34.0375N	120.3500W	172	From 1969-11-01
San Miguel Ranch, Cuba	V22A	New Mexico,U.S.A.	35.9138N	106.9094W	2164	From 2008-05-02
San Nicola dell'Alto	LADO	Italy	39.2840N	16.9795E	488	From 2008-05-10
San Nicolas Island	BSN	California,U.S.A.	33.2450N	119.5070W	259	From 1970-03-01
San Nicolas Island	SNC	California,U.S.A.	33.2483N	119.5230W	275	From 1957-07-24 to 1968-01-24
San Nicolas Island	SNCC	California,U.S.A.	33.2480N	119.5240W	197	From 1994-05-01
Sannotorii	STRE	Nagano,Japan	36.4014N	138.5517E	1825	
San Onofre	SNS	California,U.S.A.	33.4322N	117.5490W	152	From 1975-01-01
San Pablo	EPAB	Spain	39.5449N	4.3499W	946	
San Pablo	PAB	Spain	39.5458N	4.3483W	938	From 1992-10-01
San Pablo Dam	ZSP	California,U.S.A.	37.9450N	122.2570W	119	From 1978-11-03
San Pablo Ridge	CSPM	California,U.S.A.	37.9575N	122.3110W	216	
San Pedro	U73B	Valparaiso,Chile	33.9164S	71.4198W	186	
San Pedro de Atacama	SPCH	Antofagasta,Chile	22.9083S	68.1994W	2455	From 2004-07-30
San Pedro de Concepcion	CCSP	Bio-Bio,Chile	36.8443S	73.1087W	35	From 2009-07-23
San Pedro Hill	SPH	California,U.S.A.	33.7467N	118.3350W	445	From 1971-07-07 to 1974-03-31
San Pedro Martir	SPIG	Sonora,Mexico	31.0458N	115.4658W	2780	
San Pedro Martir	SPX	Baja California,Mexico	31.0451N	115.4636W	2835	From 1981-10-20
San Pedro Poas	SPS	Costa Rica	10.0776N	84.2512W	1120	
San Pedro Sula	SSU	Honduras	15.5000N	88.0500W	200	
San Pelino (Cagnano Amiterno)	T0107	Italy	42.4726N	13.2475E	1145	From 2009-04-09
San Possidonio	CORR	Italy	44.9020N	11.0095E	12	
San Rafael	SRU	Utah,U.S.A.	39.1108N	110.5240W	1804	From 1990-11-10
San Rafael	RFA	Mendoza,Argentina	34.7707S	68.4658W	850	
San Ramon	SRA	Costa Rica	10.0825N	84.4482W	1160	From 1974-01-01
San Ramon	CRAM	California,U.S.A.	37.7672N	121.9380W	171	From 1976-09-02 to 2008-07-16
Sanriku	SNI	Iwate,Japan	39.1067N	141.7580E	518	
San Roque	SRQ	Spain	36.2575N	5.3742W	202	
San Salvador	SSS	El Salvador	13.6811N	89.1981W	665	
Sansepolcro	SSP9	Italy	43.5739N	12.1314E	207	From 2010-12-15
San Sevaine	SS2	California,U.S.A.	34.2077N	117.5000W		From 1976-01-01
Sans Toucher	SSG	Guadeloupe	16.0887N	61.6788W	1210	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Santa	SZP	Luzon,Philippines	17.5510N	120.4560E	50	From 1979-04-11
Santa Barbara	SBC	California,U.S.A.	34.4408N	119.7149W	61	From 1927-05-10
Santa Barbara	ASBA	Azores,Portugal	38.7203N	27.3253W	675	From 1981-04-16
Santa Barbara	ASTB	Jujuy,Argentina	23.9500S	64.4840W	1479	
Santa Barbara Island	SBI	California,U.S.A.	33.4807N	119.0290W	6	
Santa Catalina Island West	CIW	California,U.S.A.	33.4653N	118.5520W	50	
Santa Cesarea Terme	SCTE	Italy	40.0724N	18.4675E	150	From 2006-02-02
Santa Chiara	ECHR	Sicily,Italy	37.6863N	14.9129E	1168	From 2009-02-03
Santa Clara	SCUT	Utah,U.S.A.	37.1282N	113.6447W	837	From 2008-05-01
Santa Clara	PFSC	Portugal	37.4738N	8.4260W	218	From 1996-01-01 to 2009-05-30
Santa Clara	SCL	California,U.S.A.	37.3500N	121.9500W	28	From 1909-01-01 to 1955-12-31
Santa Clara	EGX	Sonora,Mexico	31.7102N	114.4780W		From 1981-09-22
Santa Clara	STCC	California,U.S.A.	34.3030N	119.1868W	180	
Santa Clara County Offices	SCCB	California,U.S.A.	37.2874N	121.8642W	98	
Santa Cristina (Gubbio) - PG	AT09	Italy	43.3144N	12.5405E	521	From 2010-03-31
Santa Cruz	STCR	O'Higgins,Chile	34.6408S	71.3647W	175	
Santa Cruz	SCA	Patagonia,Argentina	49.8333S	72.0500W		
Santa Cruz	SCRN	Nicaragua	12.7317N	86.9383W	500	
Santa Cruz	STGR	Azores,Portugal	39.0802N	28.0031W	124	From 1990-07-19
Santa Cruz	SCZP	Luzon,Philippines	15.7760N	119.9110E	21	
Santa Cruz	SCZ	California,U.S.A.	36.5980N	121.4030W	261	From 1986-11-06
Santa Cruz	SCC	California,U.S.A.	37.0067N	121.9970W	128	From 1961-06-11 to 1965-02-28
Santa Cruz Island	BSC	California,U.S.A.	33.9947N	119.6330W	457	From 1969-11-01
Santa Elena	AR5	Costa Rica	10.3414N	84.8247W	1420	
Santaella, Cordoba	E020	Spain	37.5653N	4.8445W	309	From 2007-07-05 to 2009-06-22
Santa Fe	SFJM	Jalisco,Mexico	20.4865N	103.0395W	1500	
Santa Fe	PT09	Peru	11.6670S	76.1930W	5200	From 1983-08-26
Sant Agata di Puglia	SGTA	Italy	41.1350N	15.3650E	890	From 2006-01-18
Santa Helena	HELC	Colombia	6.2341N	75.5477W	2788	From 1994-01-01
Santa Helena	SHP	Peru	16.1972S	72.4739W	471	
Santa Isabel	ISAV	Venezuela	9.5068N	70.8563W		
Santa Julia	SJUZ	El Salvador	13.5200N	88.5335W	1024	
Sant'Alfio	ESAL	Sicily,Italy	37.7545N	15.1345E	720	From 1994-10-01
Santa Lucia	STL	Santiago,Chile	33.4361S	70.6411W	595	
Santa Margarita	PMGM	California,U.S.A.	35.4298N	120.5200W	529	
Santa Maria	PSMA	Azores,Portugal	36.9950N	25.1288W	123	
Santa Maria Island	SAZ	Azores,Portugal	36.9717N	25.1683W		
Santa Marinella - RM	TO05	Italy	42.0615N	11.8646E	88	From 2008-04-28 to 2009-04-02
Santandra', Italy	MSTD	Italy	45.7486N	12.2003E	101	From 2010-06-08
Sant Anna di Valdieri	STV	Italy	44.2455N	7.3260E	930	From 1966-01-01
Sant' Anna di Valdieri 2	STV2	Italy	44.2455N	7.3260E	930	From 1995-01-01 to 2007-12-31
Santa Pau	NE30	Spain	42.1600N	2.6450E	245	
Santaquin	SNQU	Utah,U.S.A.	39.7947N	111.9030W	1853	From 1990-08-30
Santaquin Canyon	SUU	Utah,U.S.A.	39.8887N	111.7920W	1987	From 1974-09-01 to 1990-08-21
Santa Rosa	SRP	Puebla,Mexico	18.8967N	97.7800W		
Santa Rosalia	SRIG	Baja California,Mexico	27.3198N	112.2410W	61	From 2008-02-20
Santa Rosalia	SRL	Baja California,Mexico	27.3288N	112.2760W		
Santa Rosalia	SRV	Venezuela	8.5480N	71.2860W	1300	
Santa Rosa Mine	SME	California,U.S.A.	33.8227N	117.3550W	494	
Santa Rosa Mountain	SMO	California,U.S.A.	33.5358N	116.4617W	0	
Santa Sofia	SFI	Italy	43.9048N	11.8469E	548	From 1987-01-01
Santa Teresa Hills	JSTM	California,U.S.A.	37.2068N	121.7970W	149	From 1975-10-02
Santa Venerina	EVRN	Sicily,Italy	37.6887N	15.1355E	364	From 1989-04-01
Santa Ynez Peak	SYP	California,U.S.A.	34.5267N	119.9780W	1305	From 1967-06-07
Sant'Elia a Pianisi	CIGN	Italy	41.6542N	14.9050E	350	From 2003-03-26
Santiago	PUCM	Dominican Republic	19.4403N	70.6814W	177	From 2007-01-01
Santiago	STS	Spain	42.8860N	8.5509W	265	
Santiago	SAN	Santiago,Chile	33.4531S	70.6617W	533	
Santiago de Compostela	NE26	Spain	42.8860N	8.5520W	245	
Santiago de Maria	SDMZ	El Salvador	13.4738N	88.4847W	900	
Santiago Espada	SESP	Spain	38.1200N	2.5452W	1528	
Santiago Estero	SDE	Santiago del Estero,Argentina	27.8217S	64.2450W	177	
Santiago Island	SACV	Cape Verde Islands	14.9702N	23.6085W	387	
Santiago Maria	SDM	El Salvador	13.4861N	88.4706W	905	
Santiaguito	SOG	Guatemala	14.7763N	91.5877W	2950	From 1984-02-01
Santiaguito 2	SOG2	Guatemala	14.7172N	91.5703W	1560	From 1987-01-01
Santiao Chiao	TWB1	Taiwan region	25.0083N	121.9883E	20	From 1984-04-06
Santo Amaro	PAMA	Azores,Portugal	38.6797N	28.1798W	388	From 2005-08-01
Santo Antonio	PSAN	Azores,Portugal	37.8512N	25.7259W	395	From 2004-07-01
Santo Domingo	SDD	Dominican Republic	18.4579N	69.9134W	10	
Santo Domingo	STDO	Dominican Republic	18.4506N	69.9264W	12	
Santo Domingo	SDV	Venezuela	8.8861N	70.6333W	1580	From 1975-06-01
Santorini	SANT	Greece	36.3710N	25.4590E	540	
San Vicente	SNVI	El Salvador	13.6125N	88.8388W	1312	
San Vito de Coto Brus	SVTC	Costa Rica	8.7853N	82.9587W	1227	From 2005-03-15
San Vittorino	T0102	Italy	42.3967N	13.3139E	707	From 2009-04-06 to 2009-09-01
Sanyi	NSY	Taiwan region	24.4160N	120.7610E	311	
San Ysidro	SYS	California,U.S.A.	32.5797N	116.9115W	277	
San Zeno di Montagna	ZEN8	Italy	45.6378N	10.7319E	596	From 2006-06-30
Sao Bartolomeu	PFSB	Portugal	37.2492N	8.3262W	171	From 1996-01-01 to 2009-05-30
Sao Brissos	EVOP	Portugal	38.5280N	8.1236W	93	From 1997-06-01
Sao Joao De Manteninha	SJMB	Minas Gerais	18.7032S	41.1848W	234	
Sao Joao Dos Patos	BESB	Maranhao,Brazil	6.6569S	43.5586W	245	From 2009-07-01
Sao Paulo	SPB	Brazil	23.5920S	47.4320W	85	
Saorge	SAOF	Provence-Cote d'Azur,France	43.9863N	7.5553E	600	
Sao Teotonio	PTEO	Portugal	37.5456N	8.7242W	119	From 1993-08-03
Sa-pa	SPV	Vietnam	22.3383N	103.8352E	1150	From 1961-01-01
Sapanca-Adapazari	SPNC	Turkey	40.6860N	30.3083E	190	From 2008-06-27
Sapporo	SAP	Ishikari,Japan	43.0583N	141.3320E	17	
Sarab	ISRB	Iran	37.8250N	47.6667E	1950	From 1995-08-01
Sarajevo	SAR	Bosnia and Herzegovina	43.8733N	18.4283E	725	
Sarakhs	SRMB	Iran	36.5200N	61.1500E	0	
Saramarca	PP04	Peru	14.4855S	75.0915W	750	
Sarande	SRN	Albania	39.8800N	20.0005E	60	
Sarat Abidah	SRAT	Saudi Arabia	18.0390N	43.1620E	2300	From 1990-06-13
Saratoga Golf Course	SGC	California,U.S.A.	37.2827N	122.0500W	198	
Saratov	SARR	Saratovskaya Oblast',Russia	51.3885N	45.2865E	161	From 2005-11-15
Sarbogard	PKS8	Hungary	46.8787N	18.6765E	135	
Sarcpa Lake, Nunavut	SRLN	Northwest Territories,Canada	68.5513N	83.3238W	261	From 2005-08-21
SarD1z-Kayseri	SARI	Turkey	38.6787N	36.6970E	1673	From 2007-08-03
Sargodha	SARP	Pakistan	31.9215N	72.6718E	183	
Sarigan	SARN	Mariana Islands	16.7002N	145.7795E	451	
Sarkisla-SIVAS	CUSAR	Turkey	39.4185N	36.2444E	1458	From 2010-07-07
Sarkoy-Tekirdag	RKY	Turkey	40.6875N	27.1777E	687	From 2005-05-24
Sarmi	SMPI	Irian Jaya,Indonesia	1.9900S	138.7100E	0	From 2007-12-01
Sarria	EXSA	Spain	42.7760N	7.4190W	504	
Sarsar	RSA	Morocco	34.8770N	5.8280W	609	
Sart'ichala	SRCG	Georgia	41.7000N	45.1600E	700	
Sart Tilman	BSTI	Belgium	50.5835N	5.5667E	226	From 1985-10-04
Sarutani	SRT	Nara,Japan	34.1761N	135.7450E	440	From 1960-05-01
Sarvestan	ISRV	Iran	29.3817N	53.1133E	2688	From 2002-10-01
Sasagawa	JNS	Niigata,Japan	37.8183N	139.3172E	145	
Saskatoon	SAS	Saskatchewan,Canada	52.1333N	106.6330W	515	From 1915-01-01 to 1960-04-01
Sassa´´´´´´	SASS	Italy	43.2580N	10.6898E	438	From 2010-05-17
Sasso d'Italia	SSO	Italy	43.2930N	13.4200E	302	From 1987-05-01
Sassorosso	SARO	Italy	44.1848N	10.4015E	1030	From 1992-05-01 to 2009-09-30
Satara	STA	Maharashtra,India	17.6950N	74.0000E	665	
Satriano di Lucania, Italy	STN3	Italy	40.5300N	15.6515E	832	From 2006-02-24
Saturna Island	SNB	British Columbia,Canada	48.7750N	123.1710W	405	From 1981-01-28
Sault Sainte Marie	SL-ON	Ontario,Canada	46.6372N	84.3506W	335	
Sault Ste Marie	SL-	Ontario,Canada	46.6372N	84.3506W	335	
Saumlaki	SAUI	Moluccas,Indonesia	7.9826S	131.2998E	110	From 2007-08-24
Saumlaki	SLKI	Moluccas,Indonesia	7.9817S	131.2980E		
Saurbar	ISAU	Iceland	63.9900N	20.4150W	74	From 1989-12-12
Sauteurs	GRHS	Grenada	12.2239N	61.6413W	66	
Savage	C24A	Montana,U.S.A.	47.5302N	104.4252W	713	From 2008-09-18 to 2011-01-13
Savage River	SVR	Tasmania,Australia	41.4667S	145.2170E		
Savane Anatole	SVN	Martinique	14.8417N	61.1678W	510	
Savannah	SAV	Tasmania,Australia	41.7208S	147.1890E	180	From 1961-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Savannah River	SRPW	South Carolina,U.S.A.	33.2022N	81.5781W	77	From 1976-08-06
Savannah River	SRPD	South Carolina,U.S.A.	33.1550N	81.7125W	31	
Savannah River	SRPN	South Carolina,U.S.A.	33.3289N	81.5889W	94	
Savo	SVO	Solomon Islands,Papua New Guinea	9.1500S	159.8150E	87	From 1980-06-01 to 1983-01-27
Sawahan	SJI	Jawa,Indonesia	7.7349S	111.7669E	723	
Sawauchi	SAH	Iwate,Japan	39.4033N	140.7720E		
Sawmill	SWM	California,U.S.A.	34.7183N	118.5820W	1220	From 1966-03-07
Sawmill	SML	Alaska,U.S.A.	61.8082N	148.3330W	740	
Sawmill Road	JSMM	California,U.S.A.	37.2123N	122.1680W	262	From 1971-07-14
Sawyerville	MLAL	Alabama,U.S.A.	32.7055N	87.6936W	55	
Sayfiye	SAY	Turkey	40.1167N	29.3345E	850	From 1993-01-01
Sayler Ranch, Douglas	C27A	North Dakota,U.S.A.	47.7139N	101.5029W	602	From 2009-07-22
Say'un	SYON	Yemen	15.9417N	48.7833E	0	
S.Benedetto Po	SBPO	Italy	45.0511N	10.9199E	10	From 2005-06-20
S Black Range	SBR	New South Wales,Australia	35.4250S	149.5330E	1265	From 1976-12-01
Scaffel	CSF	England,United Kingdom	54.4478N	3.2430W	540	
Scarborough	SCB	Ontario,Canada	43.7167N	79.2333W	153	From 1962-05-23 to 1974-12-31
Scarperia	SEI	Italy	44.0544N	11.3564E	610	
Schaffhausen-Ebnat	SCHE	Switzerland	47.7117N	8.6526E	476	From 2001-06-12
Schaffhausen, Spital	SCHS	Switzerland	47.7115N	8.6365E	517	From 2011-05-01
Schaffner Ranch	SNR	California,U.S.A.	32.8618N	115.4370W	-29	From 1973-04-16
Schefferville	SCH	Quebec,Canada	54.8167N	66.7833W	540	From 1962-07-11 to 1994-12-12
Schefferville	SV3	Quebec,Canada	54.8108N	66.7500W	579	
Schefferville	SV2	Quebec,Canada	54.8150N	66.7586W	594	From 1964-09-20 to 1965-07-23
Schefferville	SCHQ	Quebec,Canada	54.8319N	66.8336W	501	From 1994-12-20
Schefferville	SV3QB	Quebec,Canada	54.8108N	66.7500W	579	
Schefferville	SV2QB	Quebec,Canada	54.8150N	66.7586W	594	From 1964-09-20 to 1965-07-23
Scherman	SRMY	New York,U.S.A.	41.2283N	73.0139W	165	
Schinveld	SCHN	Netherlands	50.9842N	6.0195E	57	
S. Chirico Raparo	SCHR	Italy	40.1992N	16.0759E	968	From 2003-12-05
Schitu	SCHRR	Romania	44.1345N	25.8292E	128	From 1997-09-29
Schlegeis	SCE	Austria	47.0386N	11.7103E	1737	
Schleitheim	SLE	Switzerland	47.7645N	8.4924E	648	From 1985-12-04
Schloss Buerresheim	BHE	Germany	50.3529N	7.1796E	290	From 2006-01-01
Schmiedefeld	SCHD	Thuringen,Germany	50.5351N	11.2121E	761	From 2008-05-20
Schoenbrunner Berg-Wunsiedel	MSBB	Bayern,Germany	50.0314N	11.9728E	622	From 2001-04-10
Schoenfels	SCHF	Sachsen,Germany	50.6772N	12.4031E	435	From 2007-06-14
Scholer Farm	SFIN	Indiana,U.S.A.	40.3790N	87.0967W	165	
Schriesheim-Wilhelmstollen	SWS	Baden-Wurttemberg,Germany	49.4843N	8.7008E	223	From 2000-01-01
Schuetzenmatte (BS)	MATTE	Switzerland	47.5514N	7.5694E	-274	From 2006-10-01
Schurz	Q07A	Nevada,U.S.A.	38.9383N	118.8078W	1275	From 2006-02-27 to 2008-03-13
Schuyler	SU-VA	Virginia,U.S.A.	37.7597N	78.7267W	165	From 1965-06-19 to 1965-07-23
Schuyler	SU-	Virginia,U.S.A.	37.7597N	78.7267W	165	From 1965-06-19 to 1965-07-23
Schweizer	SWZ	Transvaal,South Africa	27.1823S	25.3317E	1342	
Scilla	MSCL	Italy	38.2320N	15.7900E	835	From 1993-12-01
Scilla	SCLL	Sicily,Italy	38.2563N	15.7143E	81	
Scobie Ranch	PSRM	California,U.S.A.	35.8578N	120.2800W	552	
Scoppito	RM06	Italy	42.3775N	13.2438E	848	From 2009-04-06 to 2009-09-01
Scorciavacca	ESCV	Sicily,Italy	37.7420N	14.8150E	615	From 1989-04-01
Scoresbysund	SCO	Greenland	70.4833N	21.9500W	69	
Scott Base	SBA	Victoria Land	77.8503S	166.7560E	38	From 1957-03-01
Scott Mountain	VSCM	Oregon,U.S.A.	43.3725N	123.0630W	1295	
Scott Ranch	STTC	California,U.S.A.	34.7885N	118.4620W	829	
Scott's Head	DSHT	Dominica	15.2136N	61.3737W	133	
Scotts Head	DSC	Dominica	15.2084N	61.3652W	50	
Scotts Peak	SPK	Tasmania,Australia	43.0383S	146.2750E	425	From 1972-07-01 to 2009-09-03
Scotty Lake	SCT	Alaska,U.S.A.	62.3192N	150.2970W	140	From 1971-08-01 to 1975-06-30
Scourie	RSC	Scotland,United Kingdom	58.3485N	5.1684W	60	From 1995-09-10
Scoval	KSK	Scotland,United Kingdom	57.4653N	6.7020W	250	From 1989-01-01
Scrawed	SRDI	Jawa,Indonesia	8.4794S	114.1420E	290	From 1991-01-01
S. Croce Del Sannio	SACR	Italy	41.3974N	14.7057E	859	From 2004-06-08
Scrubby Hill	SYZ	South Island,New Zealand	46.5385S	169.1388E	52	From 2006-05-05
Scullys Gap (BLM), Evanston	M17A	Wyoming,U.S.A.	41.4729N	110.6664W	2101	From 2007-10-31
Scuol-Clozza	SCUC	Switzerland	46.7980N	10.3038E	1230	From 1992-08-26
Scurtabo	SC2M	Italy	44.4043N	9.5343E	664	From 2005-01-01
Seabrook	SBK	South Carolina,U.S.A.	32.5655N	80.1802W	-59	
Seaman Range	SRG	Nevada,U.S.A.	37.8822N	115.0680W	1645	
Searcy	SEAR	Arkansas,U.S.A.	35.2547N	91.7147W	0	
Sears Point	SNT	California,U.S.A.	38.1827N	122.4530W	88	
Seaside	F03A	Oregon,U.S.A.	45.9306N	123.5591W	324	From 2005-11-08 to 2008-11-12
Seaside SMO	SEAS	Oregon,U.S.A.	45.9974N	123.9258W	5	From 2004-01-30
Seatoun	STN	North Island,New Zealand	41.3167S	174.8000E	3	
Seattle	SEA	Washington,U.S.A.	47.6550N	122.3080W	30	From 1906-01-01
Seattle	STT	Washington,U.S.A.	47.4228N	122.3140W		From 1964-04-01 to 1976-04-30
Sebes	SBE	Romania	45.5964N	23.6186E	0	
Seborga	NEGI	Italy	43.8477N	7.7038E	640	From 1996-03-01
Sechelt	SHB	British Columbia,Canada	49.5972N	123.8750W	1143	
Second Sedna Site,Hudson Bay	JOSN	Nunavut,Canada	63.1622N	91.5420W	295	From 2006-08-25 to 2010-08-02
Sedan	SDAN	South Australia,Australia	34.5093S	139.3374E	125	
Sedlovina	SDLR	Kamchatskaya Oblast',Russia	53.2781N	158.8840E	1235	
Sedrio (Vezzano sul Crostolo) - RE	RE04	Italy	44.6083N	10.5205E	255	From 2008-12-28 to 2009-02-12
See Canyon	PSEM	California,U.S.A.	35.2452N	120.7650W	201	
Seeley Lake	SLMT	Montana,U.S.A.	47.2418N	113.4935W	1701	
Sefi@18d Ru@18d	SRI	Iran	36.7583N	49.3833E	243	
Sefi@18d Ru@18d	SEF	Iran	36.7583N	49.3833E	243	
Sefidab	ISFB	Iran	34.3518N	52.2406E	948	From 1996-01-01
Segre	SGR	Pays de la Loire,France	47.7094N	0.9230W	90	From 1973-01-01
Sehore	SEH	Madhya Pradesh,India	23.1667N	77.0833E		
Seigler Mountain	GSGM	California,U.S.A.	38.8667N	122.7100W		From 1974-07-02
Sejong Station	SEJ	South Shetland Islands	62.2208S	58.7528W	18	
Sekisonzan	SSZ	Nagano,Japan	36.3867N	138.5208E	1869	
Sela	SELA	Greece	38.2756N	21.8926E	611	From 2006-07-28
Selb-Vielitz	VIEL	Bayern,Germany	50.1856N	12.1028E	670	From 1996-03-19
Selden	P30A	Kansas,U.S.A.	39.5442N	100.2468W	788	From 2009-05-15
Seldovia	SLV	Alaska,U.S.A.	59.4713N	151.5810W	91	
Seldovia	XLV	Alaska,U.S.A.	59.4547N	151.7220W	380	From 1987-01-01
Seligman	W14A	Arizona,U.S.A.	35.2127N	113.0834W	1756	From 2006-03-10 to 2008-10-20
Seligman	SG-	Arizona,U.S.A.	35.6408N	113.2608W	1676	From 1964-04-06 to 1965-10-04
Seligman	SG-AZ	Arizona,U.S.A.	35.6408N	113.2608W	1676	From 1964-04-06 to 1965-10-04
Selova	SELS	Serbia	43.2195N	21.1190E	543	From 2002-05-21
Selva	ESEL	Balearic Islands,Spain	39.7682N	2.8943E	231	From 1988-07-01
Selvarotonda (Cittareale)	RM21	Italy	42.6278N	13.1416E	1454	From 2009-04-09 to 2010-03-03
Semalu	ESM	New Britain,Papua New Guinea	4.2770S	152.6860E	50	
Semarang	SMRI	Jawa,Indonesia	7.0492S	110.4407E	203	From 2006-11-01
Semdilli	SEMD	Turkey	37.3473N	44.5208E	1910	From 2005-09-28
Semeru Mts	SMR	Jawa,Indonesia	8.1000S	112.9000E		
Semigandzh	SGZ	Tajikistan	38.6500N	69.0000E	0	
Semipalatinsk	SEM	Kazakhstan	50.4083N	80.2500E	209	
Semis' Anvil Peak	CEAP	Alaska,U.S.A.	52.0024N	179.5778E	244	
Semis' Cerberus	CERB	Alaska,U.S.A.	51.9314N	179.6297E	305	
Semisopochnoi Island	SSI	Alaska,U.S.A.	51.8924N	179.5880E	178	From 1970-10-17 to 1973-04-30
Semis' Perret Rge	CEPE	Alaska,U.S.A.	51.9658N	179.6492E	335	
Semis' Rag'd Top	CERAA	Alaska,U.S.A.	51.9070N	179.6846E	305	
Semis' Southwest	CESW	Alaska,U.S.A.	51.9010N	179.5633E	238	
Semis' Tuman	CETU	Alaska,U.S.A.	51.9661N	179.4942E	335	
Semkarok	SMKR	Kamchatskaya Oblast',Russia	56.5820N	161.4680E	898	From 2005-09-10
Semlyachik	SEL	Kamchatskaya Oblast',Russia	54.1167N	159.9833E		
Semnan-Aivanekay	SMAV	Iran	35.2873N	52.1541E	1000	From 2004-01-01 to 2004-09-01
Semponon	SEMI	Sumatera,Indonesia	2.4603N	98.3917E	1750	
SEND	SEND	Washington,U.S.A.	46.1935N	122.1854W	2100	
Sendai	SEN	Miyagi,Japan	38.2600N	140.9000E	38	
Seneca	SA-	Oregon,U.S.A.	44.1556N	118.6625W	1524	
Seneca	SA-OR	Oregon,U.S.A.	44.1556N	118.6625W	1524	
Seneffe	SNF	Belgium	50.5086N	4.2833E	108	From 1985-07-01
Senekal	SEK	Orange Free State,South Africa	28.3233S	27.6250E	1486	
Senigallia	SENI	Italy	43.7052N	13.2331E	10	From 2006-07-27
Sentinel	W32A	Oklahoma,U.S.A.	35.1238N	99.2458W	494	From 2009-10-28
Senzan	SNZ	Hyogo,Japan	34.3530N	134.8410E	370	From 1972-01-22
Seogwipo	KSSGP	South Korea	33.2587N	126.4994E	222	From 2001-11-21 to 2003-12-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
SEOHWA	SEHB	South Korea	38.2686N	128.2525E	393	From 2009-01-01
Seongsanpo	KSSSP	South Korea	33.3868N	126.8804E	18	From 2001-11-21
Seosan	KSSES	South Korea	36.7893N	126.4531E	99	From 2000-12-19
Seoul	SEO	South Korea	37.5667N	126.9670E	86	From 1945-01-01
Seoul	KSSEO	South Korea	37.4879N	126.9188E	33	From 1998-10-29
Separation Peak, Rawlins	M21A	Wyoming,U.S.A.	41.6067N	107.3635W	2275	From 2007-11-01 to 2009-10-09
Sept-Chutes	SFA	Quebec,Canada	47.1244N	70.8268W	230	From 1927-01-01
September Lobe	SEPW	Washington,U.S.A.	46.2002N	122.1906W	2116	
Sept Iles	SIC	Quebec,Canada	50.1720N	66.7380W	283	
Sequim	SQM	Washington,U.S.A.	48.0739N	123.0470W		
Serang	SBJI	Jawa,Indonesia	6.1200S	106.1300E	0	
Sereflikochisar	SERE	Turkey	38.9463N	33.5640E	1216	From 2010-06-29
Sergokala	SGKR	Dagestan,Russia	42.4597N	47.6583E	500	
Sergoula	SERG	Greece	38.4133N	22.0566E	477	From 1998-07-01
Serifos	SERI	Greece	37.1609N	24.4853E	460	From 2010-07-28
Sermur	SER	Limousin,France	45.9775N	2.4300E	710	
Serra Branca	SRBC	Azores,Portugal	39.0366N	28.0409W	300	
Serracapriola	FG2	Italy	41.8048N	15.1609E	241	
Serra de Santa Barbara	PSBA	Azores,Portugal	38.7673N	27.3247W	453	
Serra di Burano	ATBU	Italy	43.4757N	12.5483E	1000	From 2009-10-27
Serra do Cume	PSCM	Azores,Portugal	38.7007N	27.1173W	360	
Serra do Cume	SCUM	Azores,Portugal	38.6975N	27.1201W	316	From 1983-03-01
Serra do Socorro	PSSC	Portugal	39.0153N	9.2336W	375	
Serrai	SRS	Greece	41.1172N	23.5922E	400	From 1981-01-01
Serra La Nave	ESLN	Sicily,Italy	37.6934N	14.9744E	1787	From 2005-07-13
Serra Pizzuta	ESPC	Sicily,Italy	37.6917N	15.0273E	1600	From 1985-12-01
Sersale	SERS	Italy	39.0359N	16.6886E	1221	From 2005-10-19
Serui, Papua	SRPI	Papua New Guinea	1.8700S	136.2400E	87	From 2008-12-01
Serv Nac Est Terr	SNET	El Salvador	13.6868N	89.2315W	775	
Sete Cidades	SETA	Azores,Portugal	37.8131N	25.7513W	675	From 1990-05-22
Sete Cidades	PSET	Azores,Portugal	37.8233N	25.7208W	475	From 2001-06-16
Setif	SET	Algeria	36.2000N	5.4000E	1000	From 1958-09-01
Sevastopol'	SEV	Ukraine	44.5450N	33.6680E	42	
Sevenhill	SNL	South Australia,Australia	33.8872S	138.6390E	480	From 1967-01-01 to 1971-12-31
Sevenoaks	TSA1	England,United Kingdom	51.2426N	0.1561E	177	From 1989-01-01
Seven Oaks Dam	SVD	California,U.S.A.	34.1064N	117.0982W	574	
Severo-Kuril'sk	SKR	Sakhalinskaya Oblast',Russia	50.6830N	156.1170E	22	
Severomuysk	SVKR	Buryatiya,Russia	56.1169N	113.5589E	850	
Severo-Muysk	SVK	Buryatiya,Russia	56.1839N	113.5189E	850	
Sevier Lake (BLM), Delta	Q14A	Utah,U.S.A.	38.9882N	113.2769W	1464	From 2007-06-11 to 2008-11-17
Sevinc	SGT	Turkey	36.9438N	31.5008E	205	From 1975-04-01
Sewanee	SWTN	Tennessee,U.S.A.	35.3002N	86.0763W	305	
Sewanee	SWET	Tennessee,U.S.A.	35.2163N	85.9320W	581	
Seward	SEW	Alaska,U.S.A.	60.1037N	149.4490W	55	From 1972-08-22
Seward Park	SPW	Washington,U.S.A.	47.5535N	122.2471W	8	From 1969-09-17 to 2009-04-08
Seward Park 2	SP2	Washington,U.S.A.	47.5563N	122.2492W	30	
Sexfontaines	SFTF	Champagne-Ardenne,France	48.2050N	5.0383E	399	
Seychelles	SEYC	Seychelles	4.0833S	55.0833E		From 1913-01-01 to 1942-12-31
Seydisehir	SYT	Turkey	37.3047N	31.8750E	1530	From 1976-01-01 to 1981-01-31
Seymchan	SEY	Magadanskaya Oblast',Russia	62.9328N	152.3822E	218	
Seymour	SM-TX	Texas,U.S.A.	33.6822N	99.1897W	396	From 1961-12-06 to 1961-12-20
Seymour	SM-	Texas,U.S.A.	33.6822N	99.1897W	396	From 1961-12-06 to 1961-12-20
Sfinta Ana	AAR	Romania	46.1333N	25.8950E	1101	
Sfrayin	ISFR	Iran	37.0538N	58.0000E	2448	From 1997-03-01
Sgolgore (BA)	SG1	Italy	40.8400N	16.6790E	523	From 1988-07-01
Sha@18hru@18d	SHD	Iran	36.4333N	54.9417E	1500	From 1975-03-01
Shaartuz	SHTS	Tajikistan	37.2667N	68.1333E		
Shabestar	ISHB	Iran	38.2833N	45.6170E	2150	From 1995-08-01
Shadegan	SSHG	Iran	30.6575N	48.6411E	5	From 2010-08-11
Shahmirzad	ISHM	Iran	35.8067N	53.2922E	2500	From 1999-05-01
Shahrakht	SHRT	Iran	33.6460N	60.2910E	837	From 2008-09-13
Shahran	ISHR	Iran	35.8061N	51.2889E	1470	From 1996-01-01
Shahrood	SHRO	Iran	35.9900N	56.0100E	1264	From 2009-02-04
Shai Hills	SHGH	Ghana	5.9283N	0.0419W	84	From 1987-01-01
Shakotan	JSK	Shiribeshi,Japan	43.3525N	140.4757E	10	
Shalim	SHAO	Oman	18.0228N	55.6251E	292	From 2004-12-01
Shamokin	SH-	Pennsylvania,U.S.A.	41.0136N	76.9136W	183	From 1962-10-11 to 1962-10-27
Shamokin	SH-PA	Pennsylvania,U.S.A.	41.0136N	76.9136W	183	From 1962-10-11 to 1962-10-27
Shamrock	SK-	Texas,U.S.A.	35.0828N	100.3639W	671	From 1963-08-19 to 1964-03-06
Shamrock	SK-TX	Texas,U.S.A.	35.0828N	100.3639W	671	From 1963-08-19 to 1964-03-06
Shandon	PSHM	California,U.S.A.	35.5908N	120.4150W	390	
SHANNON INFRASONIC ARRAY REFERENCE POINT	YATAU	Western Australia	34.5976S	116.3567E	167	From 2006-02-01
Shannon Station	SNGZ	North Island,New Zealand	38.7815S	177.3399E	545	From 2009-06-14
Sharaf	SHRF	Saudi Arabia	28.9460N	35.1090E	1000	
Sharaf	SRFA	Saudi Arabia	28.9300N	35.1880E	725	From 1986-01-01 to 1995-12-31
Sharm el Sheik	SH2	Egypt	27.8817N	34.0833E	185	From 2010-06-30
Sharon Springs	Q28A	Kansas,U.S.A.	39.0623N	101.8309W	1133	From 2009-05-10
Sharp Cattle Ranch, Aspermont	Z31A	Texas,U.S.A.	33.3183N	100.1435W	547	From 2009-03-17
Sharpitor	SHT	England,United Kingdom	50.5106N	4.0356W	0	
Shasta Dam	SHS	California,U.S.A.	40.6950N	122.3880W	312	From 1942-01-01 to 1964-05-30
Shatzhatmas	SHAR	Stavropol'skiy Kray,Russia	43.7428N	42.6686E	2070	
Shawbak	SHWJ	Jordan	30.3830N	35.5000E	1734	From 1989-11-01
Shawinigan Falls	SHF	Quebec,Canada	46.5517N	72.7633W	60	From 1928-01-01 to 1965-12-08
Shawnee State University	SSUO	Ohio,U.S.A.	38.7290N	82.9890W	162	
Sheep	HSPM	California,U.S.A.	37.1152N	121.5160W	850	
Sheep Canyon	SCU	Utah,U.S.A.	39.4873N	110.2420W		From 1962-01-01 to 1977-03-31
Sheep Creek Facility	SCF	Alaska,U.S.A.	61.9947N	150.0390W	67	From 1971-08-01 to 1975-06-30
Sheep Creek Mountain	SCM	Alaska,U.S.A.	61.8333N	147.3280W	1020	
Sheep Hole Mountains	SHH	California,U.S.A.	34.1877N	115.6540W	1122	
Sheep Mountain BLM, Rosette	M14A	Utah,U.S.A.	41.5030N	113.3471W	1318	From 2007-02-10 to 2008-08-21
Sheeppen Canyon, Tinnie	Z24A	New Mexico,U.S.A.	33.3298N	105.3649W	1863	From 2008-05-15
Sheep Range	SHRG	Nevada,U.S.A.	36.5048N	115.1559W	1641	From 1979-05-22 to 2002-10-10
Sheep Range	SHPR	Nevada,U.S.A.	36.5055N	115.1602W	1590	
Sheffield	SFF	Tasmania,Australia	41.3375S	146.3080E	213	From 1969-08-04 to 2009-09-03
Sheikh Budin	SBDP	Pakistan	32.2997N	70.8072E	1356	
Sheil Bridge	KSB	Scotland,United Kingdom	57.2098N	5.4230W	70	From 1983-01-01
Sheki	SEKA	Azerbaijan	41.2090N	47.1980E	847	From 2003-08-01
Shelby Forest	SFTN	Tennessee,U.S.A.	35.3575N	90.0187W	-23	From 1979-08-02
Shell Creek	SCE1	Oklahoma,U.S.A.	35.4390N	97.8140W	408	
Shemya	SMY	Alaska,U.S.A.	52.7295N	174.0994E	58	
Shemya	SQ-IS	Alaska,U.S.A.	52.7269N	174.1092E	61	
Shemya	SHY	Alaska,U.S.A.	52.7333N	174.1330E		
Shenyang	SNY	Liaoning,China	41.8278N	123.5780E	54	From 1983-08-01
Shenyang	FEN	Liaoning,China	41.7833N	123.4000E	25	
Sherbrooke	SBQ	Quebec,Canada	45.3783N	71.9263W	265	From 1980-08-12
Sheriff Wilson	SWNG	California,U.S.A.	37.6382N	118.8920W	2188	From 1979-11-11
Sherman Crater--Mount Baker	SCW	Washington,U.S.A.	48.7675N	121.8170W	2990	From 1975-03-31 to 1976-10-01
Sherman Glacier	SGAM	Alaska,U.S.A.	60.5012N	145.2070W	424	From 1976-08-16
Sherwood Peak	KSPM	California,U.S.A.	39.5173N	123.5010W	869	
Sheshan	ZKW	Jiangsu,China	31.1833N	121.4330E	7	
Sheshan	SSE	Jiangsu,China	31.0956N	121.1867E	15	From 1976-11-15
Sheshan	ZSC*	Jiangsu,China	31.0967N	121.1860E	90	
Sheshan	ZSC	Jiangsu,China	31.0956N	121.1870E	10	From 1976-11-15
Shezaf	SZAF	Israel	30.9000N	34.5500E	290	
Shibata	SBH	Niigata,Japan	37.9656N	139.4538E	140	
Shiboa	JSB	Tochigi,Japan	36.9683N	139.9200E	460	
Shichikawa	SKW	Wakayama,Japan	33.5880N	135.6900E	120	From 1958-04-01
Shide	SHID	England,United Kingdom	50.6833N	1.2833W		
Shidnytsya	SHIU	Ukraine	49.2234N	23.3621E	580	From 2006-11-14
Shidzhatmaz	SHA1	Stavropol'skiy Kray	43.7380N	42.6571E	2120	From 2009-06-13
Shields Creek	CLAP	British Columbia,Canada	53.3217N	132.4110W	60	
Shikano	SNTD	Tottori,Japan	35.4105N	134.0204E	200	
Shikotan	SHO	Sakhalinskaya Oblast',Russia	43.8700N	146.8300E	55	
Shikotan	SKT*	Sakhalinskaya Oblast',Russia	43.8667N	146.8000E		
Shiliguri	SLGI	India	26.7000N	88.4167E		
Shilin	ESL	Taiwan region	23.8140N	121.4330E	178	
Shillong	SHIO	Meghalaya,India	25.5667N	91.8833E	1600	
Shillong	SHL	Meghalaya,India	25.5667N	91.8833E	1600	From 1953-01-01
Shimam	JSH	Hiyama,Japan	42.6430N	140.0448E	72	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Shimbara	SHV	Nagasaki,Japan	32.7706N	130.3631E	50	
Shimizu	SHM	Kochi,Japan	32.7750N	132.9580E	2	
Shimob	JYN	Yamanashi,Japan	35.4977N	138.5443E	775	
Shimobe	SBJ	Yamanashi,Japan	35.4157N	138.4834E	202	
Shimogamo	SGMN	Shizuoka,Japan	34.6472N	138.8550E	49	
Shimohsa	SMJ	Chiba,Japan	35.7934N	140.0238E	-2277	
Shimokamo	SMK	Shizuoka,Japan	34.6458N	138.8544E	20	
Shimokoshiki	JSJ	Kagoshima,Japan	31.6780N	129.7158E	240	
Shimonomoto	SMJD	Gifu,Japan	36.3941N	137.3864E	960	
Shimonoseki	SHN1	Yamaguchi,Japan	33.9450N	130.9280E	18	From 1984-01-01
Shimonoseki 2	SHNJ	Yamaguchi,Japan	34.1250N	131.1080E	20	
Shimonoseki 3	SHN	Yamaguchi,Japan	33.9533N	130.9400E	46	
Shimotochinai	K03	Iwate,Japan	39.3583N	141.5775E	289	
Shimoyama	SYJ	Aichi,Japan	35.0365N	137.3155E	303	
Shinagawa	SIN	Tokyo,Japan	35.6167N	139.7500E		
Shindian Village	TNSD	Taiwan region	24.5400N	120.9210E	210	From 2001-04-10
Shingle Point	SPY	Yukon Territory,Canada	68.9220N	137.2600W	35	From 1982-10-05
Shinhua	CHN3	Taiwan region	23.0760N	120.3650E	50	
Shinhuzimiza	SHZE	Nagano,Japan	36.3992N	138.5358E	2256	
Shinkiari	SIP	Pakistan	34.4667N	73.2992E	1448	
Shinpukuji	SPJN	Gifu,Japan	35.4537N	136.7930E	65	
Shinshu-shinm'i	SSJ	Nagano,Japan	36.5715N	138.0400E	580	From 1967-08-01 to 1973-03-31
Shiono misaki	SHJ	Wakayama,Japan	33.4483N	135.7630E	75	
Ship Mountains	SPM	California,U.S.A.	34.4720N	115.4030W	915	
Shira	SHRR	Krasnoyarskiy Kray,Russia	54.4928N	90.1614E	388	From 2000-06-26
Shirahama	SHRD	Kagoshima,Japan	31.6100N	130.6750E	160	
Shirakawa	SHR	Fukushima,Japan	37.1290N	140.2192E	355	
Shirakawa	SRJD	Gifu,Japan	35.5777N	136.4160E	380	
Shirakawa 2	SHRJ	Fukushima,Japan	37.0767N	140.2330E	395	From 1990-04-24
Shiraki	SHK	Hiroshima,Japan	34.5322N	132.6780E	285	From 1965-07-21
Shirataka	JYS	Yamagata,Japan	38.2210N	140.0655E	300	
Shiraz	SHI	Iran	29.6418N	52.5133E	1595	From 1963-05-10
Shiriuchi	JSR	Hiyama,Japan	41.5295N	140.4178E	55	
Shiroyama	SRY	Kanagawa,Japan	35.6083N	139.2740E	254	From 1967-06-01
Shirttail Gulch	SHG	California,U.S.A.	36.4138N	121.2540W	192	From 1969-06-18
Shirttail Gulch	BSGM	California,U.S.A.	36.4138N	121.2540W	192	From 1969-06-18
Shirvan	ISHV	Iran	37.5347N	57.7027E	1925	From 1997-03-01
Shishaldin	SSBA	Alaska,U.S.A.	54.7727N	164.1245W	766	
Shishaldin North	SSLN	Alaska,U.S.A.	54.8118N	163.9959W	637	
Shishaldin South	SSLS	Alaska,U.S.A.	54.7120N	163.9988W	817	
Shishaldin West	SSLW	Alaska,U.S.A.	54.7718N	164.1214W	628	
Shiura	JSI	Aomori,Japan	41.0547N	140.3967E	40	
Shiura 2	JSI2	Aomori,Japan	41.0575N	140.4112E	60	
Shiveluch	SVLR	Kamchatskaya Oblast',Russia	56.5769N	161.2200E	840	
Shivta	SVTA	Israel	30.9300N	34.6200E	370	
Shizugawa	SZG	Kyoto,Japan	34.8882N	135.8319E	70	
Shizuoka	SHZ	Shizuoka,Japan	34.9733N	138.4070E	14	
Shizuoka 2	SHZJ	Shizuoka,Japan	35.0278N	138.4227E	40	From 1989-03-25 to 1993-03-24
Shizuoka 3	SHZ3	Shizuoka,Japan	35.0658N	138.2100E	710	From 1993-03-29
Shkodra	SDA	Albania	42.0519N	19.4986E	10	
Shoal	SZ-	Nevada,U.S.A.	39.2036N	118.3800W	1606	From 1963-01-05 to 1963-02-02
Shoal	SZ-NV	Nevada,U.S.A.	39.2036N	118.3800W	1606	From 1963-01-05 to 1963-02-02
Shoe Peg Valley	SPVI	Idaho,U.S.A.	44.5842N	116.7710W	1100	From 1991-09-01
Shonto	U17A	Arizona,U.S.A.	36.5996N	110.6624W	1976	From 2007-06-08 to 2009-02-09
Shooshtar-Gavsavar	SHGR	Iran	32.1083N	48.8013E	150	From 2002-04-01
Shoreline CC	SCCW	Washington,U.S.A.	47.7496N	122.3611W	0	
Short Canyon	WSCM	California,U.S.A.	35.7043N	117.8860W	881	
Short Mountain	SMTN	Tennessee,U.S.A.	36.3820N	83.1820W	768	
Shosan	JSS	Rumoi,Japan	44.3997N	141.8530E	110	
Shoshone	SHOC	California,U.S.A.	35.9000N	116.2800W	451	From 2004-04-01
Shoshone NF, Cody	H18A	Wyoming,U.S.A.	44.6769N	109.6641W	2221	From 2008-08-15
Shoshone Peak	SSP	Nevada,U.S.A.	36.9253N	116.2194W	2095	From 1973-10-10 to 2002-10-10
Shoshoni	J20A	Wyoming,U.S.A.	43.3531N	108.0842W	1500	From 2008-08-09
Shoshtar	ISHO	Iran	32.2891N	48.0223E	0	From 1998-01-01
Shoufeng Township	ESF	Taiwan region	23.8710N	121.5070E	28	From 1998-08-07
Shoushan	TWM1	Taiwan region	22.8233N	120.4226E	340	From 1977-03-28
Shoushan	TWM	Taiwan region	22.6417N	120.2510E	70	From 1972-09-09
Showa-Shinzan	SHOH	Iburi,Japan	42.5352N	140.8617E	192	
Shurtz Canyon	SZCU	Utah,U.S.A.	37.5954N	113.0875W	2026	From 2009-10-22
Shushi	SUSZ	Armenia	39.7650N	46.7530E	1250	From 1998-01-01
Shushtar	SHGO	Iran	32.1083N	48.8013E	50	From 2004-06-01
Shuyak Island	SHU	Alaska,U.S.A.	58.6281N	152.3490W	34	From 1974-01-01
Shuyak Island	SYI	Alaska,U.S.A.	58.6100N	152.3910W	149	From 1990-08-27
Shwairf	LSHF	Libya	29.9868N	14.2477E	429	
Sibayak Dolok	SIBI	Sumatera,Indonesia	3.2408N	98.5044E	2050	From 1991-10-01
Sibenik	SEB	Croatia	43.7333N	15.9000E		
Sibinal	SBG	Guatemala	15.1320N	92.0535W	2860	From 1986-03-01
Sibiu	SIBR	Romania	45.8099N	24.1758E	463	From 2007-11-07
Sibolga	SBSI	Sumatera,Indonesia	1.5500N	98.8900E	147	From 2005-01-01
Sibu	SBUM	Sarawak,Malaysia	2.4500N	112.2200E	30	From 2003-11-01
Sibulan	SNPH	Mindanao,Philippines	9.3430N	123.2360E	520	
Sicasica	SCS	Bolivia	17.2847S	67.8153W	3900	
Sicignano	SGO	Italy	40.5604N	15.3074E	651	
Sida	SID	Iceland	63.7858N	18.0583W	26	
Sides Ranch, Smithwick	J26A	South Dakota,U.S.A.	43.3126N	103.0752W	993	From 2009-07-31
Sidewinder Mine	SDW	California,U.S.A.	34.6092N	117.0740W	1184	From 1975-02-01
Sidi-Bou-Said	SBS	Tunisia	36.8700N	10.3500E	125	
Sidi Gnaou	SGNT	Tunisia	33.6608N	9.8702E	90	
Sidi Yaiche	SYA	Tunisia	34.7418N	8.8070E	550	
Sidney	PGC	British Columbia,Canada	48.6500N	123.4510W	5	From 1978-03-18
Sidney Island	SILB	British Columbia,Canada	48.6020N	123.2815W	76	
Sidrap Palu	SPSI	Sulawesi,Indonesia	3.9646S	119.7691E	0	From 2007-12-01
Siegrist	RDS	Alaska,U.S.A.	64.8265N	148.1450W	510	From 1977-06-01
Siena	SIE	Italy	43.3200N	11.3122E	349	
Sierra Blanca Array Site 1	SB1	Texas,U.S.A.	31.2100N	105.4378W	1570	
Sierra Blanca Array Site 2	SB2	Texas,U.S.A.	31.2117N	105.2900W	1379	
Sierra Blanca Array Site 3	SB3	Texas,U.S.A.	31.0983N	105.2983W	1384	
Sierra Cabrera	ASCB	Spain	37.0393N	2.0057W	0	
Sierra de Lcar, Granada	E026	Spain	37.4952N	2.5945W	1086	From 2007-09-11 to 2009-06-25
Sierra de Lijar	ELIJ	Spain	36.9178N	5.3808W	870	
Sierra del Retn, Cadiz	E001	Spain	36.1742N	5.8392W	346	From 2007-06-28 to 2009-05-01
Sierra Elvira	SELV	Spain	37.2383N	3.7277W	650	
Sierra Elvira	ELVI	Spain	37.2505N	3.7023W	860	
Sierra Gorda, Loja, Granada	EGOR	Spain	37.1101N	4.1096W	1378	From 2011-02-01
Sierra La Laguna	SLBS	Baja California,Mexico	23.6858N	109.9443W	825	
Sierra Loja	ELOJ	Spain	37.1477N	4.1526W	998	From 1993-11-29
Sierra Morrones	ASMO	Spain	37.3580N	3.7430W	1170	
Sierra Prieta	DR14	Dominican Republic	18.6447N	70.0078W	0	
Sierra Ventana	VBA	Buenos Aires,Argentina	38.0539S	61.9756W	495	
Sierre	SIERE	Switzerland	46.3853N	7.4734E	2910	From 1974-09-10 to 2002-02-15
Siete Picos	DR15	Dominican Republic	18.7503N	70.1773W	800	
Siglufjorour	ISIG	Iceland	66.1320N	18.9150W	10	From 1993-10-26
Sigmaringen-Wittberg	SGW	Baden-Wurttemberg,Germany	48.1068N	9.2150E	700	From 1994-01-01
Signal de Mont	SMF	Bourgogne,France	46.6453N	3.8411E	459	From 1976-05-01
Signal Hill	SIH	Trinidad and Tobago	11.1722N	60.7708W	80	
Signy Island	SGY	South Orkney Islands	60.7101S	45.5976W	30	From 1974-02-01
SIGRI	SIGR	Greece	39.2114N	25.8553E	83	From 2007-12-19
Sigues	YSIG	Spain	42.6396N	0.9946W	776	From 2010-07-19
Sikka	SKK	Sakhalinskaya Oblast',Russia	49.2333N	143.1170E	2	
Sile	SILT	Turkey	41.1530N	29.6430E	100	From 2002-01-01
Silifke	SLF	Turkey	36.2386N	33.6852E	120	From 1995-04-06
Silivri	SLVT	Turkey	41.2300N	28.2100E	180	From 2002-01-01
Silvan-Diyarbakir	SVAN	Turkey	38.1511N	41.1984E	655	From 2009-12-12
Silva Ranch	BSLM	California,U.S.A.	36.7755N	121.3490W	155	From 1975-07-16
Silver Beach Elementary School	SBES	Washington,U.S.A.	48.7683N	122.4150W		
Silver City	SVM	New Mexico,U.S.A.	32.7787N	108.2967W	1932	From 1977-12-01 to 1999-08-25
Silver City	SIY	Yukon Territory,Canada	61.0317N	138.4070W	785	From 1979-12-05 to 1980-03-27
Silver Creek	SVC	California,U.S.A.	37.2852N	121.7725W	128	From 1967-06-10
Silver Creek	CSCM	California,U.S.A.	37.2852N	121.7720W	128	From 1967-06-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Silver Gate	SGM	Montana,U.S.A.	45.0075N	109.9890W	2285	From 1973-01-01 to 2004-03-05
Silver Peak	SIL	California,U.S.A.	34.3478N	116.8270W	1730	
Silver Peak Range	SVP	Nevada,U.S.A.	37.7148N	117.8013W	2621	
Silverton	SLR	Transvaal,South Africa	25.7350S	28.2817E	1348	From 1981-07-20
Silvia	SILC	Colombia	2.6880N	76.3397W	3150	From 1990-01-01
Simarbalatuk	SIMI	Sumatera,Indonesia	2.6889N	98.9469E	1681	
Simferopol'	SIM	Ukraine	44.9490N	34.1160E	275	
Simia	SMIA	Greece	38.8791N	23.2090E	448	From 2008-10-16
Simia	VSI	Greece	38.8793N	23.2090E	448	From 1982-11-01
Simiane la Rotonde	SMRF	Provence-Cote d'Azur,France	43.9760N	5.5750E	654	
Simi Peak	SI2	California,U.S.A.	34.2039N	118.7990W	700	From 1973-06-01
Simla	SMI	Himachal Pradesh,India	31.1000N	77.1833E		
Simla	SMLA	Himachal Pradesh,India	31.1283N	77.1667E		
Simmler	SMMC	California,U.S.A.	35.3100N	120.0000W	599	From 2004-04-01
Simojovel	SMJM	Chiapas,Mexico	17.1340N	92.7150W		
Simon	SIMR	Nevada,U.S.A.	38.4750N	117.7675W	1899	
Simplonpass	SIMPL	Switzerland	46.2396N	8.0196E	1930	From 2009-10-28
Simpson Lake	SMPN	Northwest Territories,Canada	68.2107N	126.6540W	226	From 2010-07-17
Simpson Lake, Nunavut	SMLN	Nunavut,Canada	68.5936N	91.9364W	237	From 2010-07-30
Simushir	SIU	Sakhalinskaya Oblast',Russia	46.8500N	151.7800E	15	
Sinabang, Aceh	SNSI	Sumatera,Indonesia	2.4089N	96.3267E	14	From 2008-12-01
Sinaia	SNX	Romania	45.3553N	25.5155E	1470	From 1989-07-01
Sindeldorf	SIND	Baden-Wurttemberg,Germany	49.3488N	9.6057E	330	From 1998-01-01
Sindorf	BA05	Nordrhein-Westfalen,Germany	50.9175N	6.6637E	72	From 2006-10-01
Sinegor'e	SNGR	Magadanskaya Oblast',Russia	62.0640N	150.4000E	300	From 2003-04-26
Singah	SINI	Jawa,Indonesia	7.0144S	107.5000E	1000	
Singapore	SING	Singapore	1.3050N	103.8500E		
Singaraja	SRBI	Bali,Indonesia	8.0848S	115.2127E	0	From 2007-12-01
Singen-Schiener Berg	SISB	Baden-Wurttemberg,Germany	47.6864N	8.9643E	490	From 2003-01-01
Sinj	SNJ	Croatia	43.7333N	16.6500E		
Sinn el Kaddab	ASKD	Egypt	23.6597N	32.3847E		
Sinonel	SLG	Guatemala	14.7078N	91.6355W	1220	From 1979-11-01 to 1987-12-31
Sinop	SNOP	Turkey	42.0195N	35.2068E	180	From 2010-08-16
Sintang	STKI	Kalimantan,Indonesia	0.0656N	111.4772E	88	From 2005-01-01
Sint Eustatius	STAT	Netherlands Antilles	17.4950N	62.9787W	50	
Sint Maarten	MRN	Netherlands Antilles	18.0120N	63.0600W	20	From 1976-10-01 to 1999-08-25
Sinyu	KV12	Kagoshima,Japan	31.8886N	130.8714E	890	
Sion	SIS	Switzerland	46.2667N	7.3667E	500	From 1932-01-01 to 1941-12-31
Sion-Ophtalmol	SIOO	Switzerland	46.2328N	7.3832E	495	From 1997-05-14
Sion-Valere	SIOV	Switzerland	46.2351N	7.3642E	560	From 2006-08-29
Sioux Lookout	SOLO	Ontario,Canada	50.0213N	92.0812W	373	From 1988-10-24
Sioux Lookout	SOO	Ontario,Canada	50.0762N	91.8880W	358	From 1987-06-07
Sioux Lookout	SXO	Ontario,Canada	50.0917N	91.9983W	420	From 1982-09-27 to 1986-09-24
Siparia	SIPA	Trinidad and Tobago	10.1429N	61.5060W	60	
Sipayare	SIPV	Venezuela	10.1827N	70.9322W	154	
Siquisique	SIQV	Venezuela	10.6490N	69.8080W	440	From 2002-05-30
Siracusa	HSRS	Sicily,Italy	37.0930N	15.2220E	100	From 1994-05-01
Siria	SIRR	Romania	46.2675N	21.6597E	480	
Siria	SIR	Venezuela	10.5092N	66.5092W	1050	From 1974-01-01
Sirnak	SIRT	Turkey	37.5011N	42.4392E	1038	From 2005-06-22
S¨–rnak	SIRN	Turkey	37.4962N	42.4130E	968	From 2008-11-03
Sirt	LSRT	Libya	31.0812N	16.6582E	95	
Sisak	SISC	Croatia	45.4710N	16.3720E	100	
Sisters	GRSS	Grenada	12.2985N	61.6123W	20	
Sitia Lasithi	STIA	Crete,Greece	35.2020N	26.0909E	89	From 2006-12-01
Sitka	SIT	Alaska,U.S.A.	57.0567N	135.3262W	25	From 1940-01-01
Sitkalidak Island	SKD	Alaska,U.S.A.	57.1642N	153.0800W	135	From 1977-08-11
Sitkinak Island	SII	Alaska,U.S.A.	56.5600N	154.1820W	500	From 1975-10-01
Siu Lam	HKSL	Hong Kong,China	22.3647N	114.0145E	100	From 1997-04-23
Sivas	SIVA	Crete,Greece	35.0175N	24.8100E	95	
Sivas	SVST	Turkey	36.9361N	36.9528E	1640	From 1992-01-01
Sivrice-ELAZID	SVRC	Turkey	38.3784N	39.3063E	1680	From 2007-04-27
Sivrigoynuk	SGKT	Turkey	40.5733N	32.0561E	1890	From 1992-01-01
SIVRIHISAR	AUSIV	Turkey	39.4396N	31.5397E	1111	From 2010-02-09
Sivrihisar-ESKISEHIR	SVRH	Turkey	39.4469N	31.5230E	1000	From 2007-12-27
Six Diamond Ranch, Ranyesford	D17A	Montana,U.S.A.	47.1523N	110.6873W	1535	From 2007-10-13 to 2009-09-11
Sixes	K01A	Oregon,U.S.A.	42.8088N	124.4692W	175	From 2005-12-20 to 2007-11-30
Sixmile	SXM	Montana,U.S.A.	46.1492N	111.2080W	1993	
Sixmile Butte	SMBI	Idaho,U.S.A.	43.5022N	113.2680W	1736	From 1992-01-01
Six Mile Mountain	SMMS	South Carolina,U.S.A.	34.8325N	82.8042W	468	
Sixt	OGSI	Rhone-Alpes,France	46.0665N	6.7540E	750	
Sixty Eight Flow	SELF	Costa Rica	10.4712N	84.7322W	500	
Siya@14za@14n	SIZA	Azerbaijan	41.0760N	48.8990E	984	From 2003-08-01
Sjenica	SJES	Serbia	43.2613N	19.9734E	1181	From 2004-03-26
Sjulsmark	SJUU	Sweden	65.5080N	21.6055E	100	From 2000-08-30
Skadanscina	SKDS	Slovenia	45.5464N	14.0143E	552	From 2006-04-12
Skaggs Springs	SKG	California,U.S.A.	38.7020N	123.0130W	282	From 1975-01-22
Skaggs Springs	GSSM	California,U.S.A.	38.7020N	123.0130W	282	From 1975-01-22
Skagit Valley Community College ANSS SMO	SVOH	Washington,U.S.A.	48.2892N	122.6332W	22	From 2001-09-14
Skagway	SKAG	Alaska,U.S.A.	59.4601N	135.3290W	174	
Skagway School	SKGA	Alaska,U.S.A.	59.4650N	135.3098W	0	
Skalna	SKC	Czech Republic	50.1698N	12.3611E	455	From 1994-04-19
Skalnate-Pleso	SPC	Slovakia	49.1889N	20.2450E	1772	
Skalstugan	SKA	Sweden	63.5800N	12.2800E	580	
Skaneateles	SKN	New York,U.S.A.	42.9915N	76.4672W	226	From 1974-11-01 to 1975-12-31
Skazka	SKZ	Khanty-Mansi Autonomous Okrug,Russia	61.4833N	72.5500E	91	
Skiathos	SKIA	Greece	39.1665N	23.4661E	325	From 2008-06-25
Skidegate	SKB	British Columbia,Canada	53.2478N	131.9960W	10	From 1982-08-23
Ski Hill Lift	SKLY	New York,U.S.A.	43.9603N	74.1753W		From 1983-10-01 to 1986-10-31
Skikda	SKDA	Algeria	36.7850N	6.8539E	0	
Skilak	SKL	Alaska,U.S.A.	60.5143N	150.2150W	660	From 1971-09-09 to 1984-12-31
Skilak Lake	SLKM	Alaska,U.S.A.	60.5078N	150.2210W	655	From 1984-08-11
Skildingah^‡lshraun	ISKI	Iceland	65.8698N	17.0270W	316	From 2008-11-20
Skiros Island	SKY	Greece	38.8778N	24.5500E	260	From 1997-01-01
Skopelos	VSK	Greece	39.1106N	23.6934E	374	From 1982-10-01
Skopje	SKO	Former Yugoslav Rep. of Macedonia	41.9721N	21.4396E	346	From 1957-01-01
Skordalos	SKOR	Crete,Greece	35.4120N	23.9280E	306	
Skrokkalda	ISKR	Iceland	64.5600N	18.3860W	858	From 1996-10-02
Skvira	NE55	Ukraine	49.7160N	29.6560E	235	
Skwentna	SKT	Alaska,U.S.A.	61.9803N	151.5300W	564	
Slack Wire Ranch, Winifred	C19A	Montana,U.S.A.	47.7343N	109.0489W	966	From 2008-08-22 to 2010-06-04
Slait	SLAT	Sudan	15.8520N	32.6840E	414	From 2003-11-01
Slandsville	SVS	South Carolina,U.S.A.	32.9683N	80.2482W	3	From 1976-03-31
Slate Mountain	ASMM	California,U.S.A.	38.8233N	120.6830W	1214	
Slate Mountain	STM	Nevada,U.S.A.	39.1140N	118.2000W	2020	From 1972-01-13 to 1975-07-31
Sleeping Mountain	SMN	Nevada,U.S.A.	37.1433N	116.7670W	1341	From 1971-01-01 to 1973-12-31
Sleepy Eye	SE-	Minnesota,U.S.A.	44.4142N	94.6653W	244	From 1962-01-24 to 1963-06-19
Sleepy Eye	SE-MN	Minnesota,U.S.A.	44.4142N	94.6653W	244	From 1962-01-24 to 1963-06-19
Slenfeh	SLNF	Syria	35.5954N	36.2228E	1520	From 1994-12-01
Slick	SIO	Oklahoma,U.S.A.	35.7463N	96.3071W	323	From 1978-07-12
Slide Mountain	KSMM	California,U.S.A.	40.1858N	124.1750W	991	
Slitere, Latvia	SLIT	Latvia	57.6287N	22.2905E	13	From 2006-10-25
Slough House Road	ASRM	California,U.S.A.	38.4977N	121.2048W	52	
Slysaalda	ISLY	Iceland	63.8240N	19.1173W	633	From 2010-12-17
S.Marcello (AN)	AD05	Italy	43.5457N	13.1822E	216	From 2010-03-30
S.Maria delle Mole (Ciampino, Roma)	SAMA	Italy	41.7805N	12.5923E	119	From 2009-06-09
S. M. di Licodia	ESML	Sicily,Italy	37.6180N	14.8770E	360	From 1989-04-01
Smeltzer Mountain	SMSC	South Carolina,U.S.A.	34.9308N	82.9710W	498	From 1977-04-19
Smimou	SOIM	Morocco	31.1690N	9.6170W	900	
Smir	SMRM	Morocco	35.6850N	5.3870W	50	
Smithers	SI-	British Columbia,Canada	54.7883N	127.0714W	579	From 1965-10-25 to 1966-10-14
Smithers	SI-BC	British Columbia,Canada	54.7883N	127.0714W	579	From 1965-10-25 to 1966-10-14
Smith Mountain	PSMM	California,U.S.A.	36.0697N	120.5950W	988	From 1975-09-24
Smith Ranch, Marlow	X34A	Oklahoma,U.S.A.	34.6010N	97.8326W	364	From 2009-11-05
Smjorgil	ISMJ	Iceland	63.6759N	19.6578W	211	From 2010-12-17
Smolenice	SMOL	Slovakia	48.5139N	17.4287E	400	From 1987-01-01
Smothers Creek Ranch, Hallettsville	636A	Texas,U.S.A.	29.4810N	97.0570W	90	From 2010-01-26
Smrekonice	SMRK	Kosovo	42.8730N	20.9378E	634	From 2008-07-06
Smyrna	SYR	Washington,U.S.A.	46.8630N	119.6180W	268	From 1969-03-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Snabyli	ISNB	Iceland	63.7360N	18.6310W	245	From 1993-02-10
Snake Ranch	SRF	New Mexico,U.S.A.	34.2033N	107.0900W	1768	From 1969-01-01 to 1969-06-30
Snap Lake	SNPN	Northwest Territories,Canada	63.5178N	110.9077W	458	
Snartemo	SNART	Norway	58.3387N	7.2097E	160	From 2003-09-01
Snively Ranch	SNIWA	Washington,U.S.A.	46.4642N	119.6600W	312	
Snort	SRTC	California,U.S.A.	35.6918N	117.7490W	698	
Snowbank Mountain	SBID	Idaho,U.S.A.	44.4240N	116.3140W	2520	
Snow Cap Mountain	KSCM	Oregon,U.S.A.	42.3440N	124.1650W	1280	
Snow College	SNO	Utah,U.S.A.	39.3143N	111.5380W	2446	
Snowflake	SF-	Arizona,U.S.A.	34.4386N	110.5144W	1981	From 1961-12-03 to 1962-05-03
Snowflake	SF-AZ	Arizona,U.S.A.	34.4386N	110.5144W	1981	From 1961-12-03 to 1962-05-03
Snowflake	X18A	Arizona,U.S.A.	34.5293N	109.9501W	1751	From 2007-04-12
Snow King Mountain	SNOW	Wyoming,U.S.A.	43.4625N	110.7550W	2390	From 1986-01-01
Snowmass	SMCO	Colorado,U.S.A.	39.1776N	106.9739W	3435	
Snow Mountain	GSNM	California,U.S.A.	38.9405N	123.1920W	870	From 1975-06-20
Snyder	130A	Texas,U.S.A.	32.5961N	100.9652W	676	From 2009-03-12
Soap Creek Ranch, Albany	H03A	Oregon,U.S.A.	44.6765N	123.2923W	214	From 2005-11-10 to 2008-01-24
Soboth	SOKA	Austria	46.6780N	15.0327E	1008	From 2007-05-01
Sobradinho	SOB2	Bahia,Brazil	9.5684S	40.9611W	490	
Sobradinho	SOB3	Bahia,Brazil	9.7708S	41.2639W	434	From 1979-10-01
Sobradinho	SOB1	Bahia,Brazil	9.2089S	40.8947W	424	From 1980-04-01
Sobradinho	SOB	Bahia,Brazil	9.2888S	41.1694W	416	From 1978-09-27
Sobradinho	SOB4	Bahia,Brazil	9.3425S	41.4842W	440	From 1979-10-01
Soche	SOCH	Ecuador	0.6490N	77.4923W	2650	From 1994-07-01
Sochi	SOC	Krasnodarskiy Kray,Russia	43.5833N	39.7167E	192	
Socops	SOCV	Venezuela	8.2840N	70.8560W	335	From 2002-08-15
Socorro	SNM	New Mexico,U.S.A.	34.0702N	106.9440W	1511	From 1962-07-01
Socorro	Y22A	New Mexico,U.S.A.	33.9370N	106.9652W	1674	From 2008-04-09
Socorro	VAO3	Sao Paulo,Brazil	22.5770S	46.4400W	1370	
Socorro	SRM	New Mexico,U.S.A.	34.3419N	106.8990W	1522	From 1969-06-25 to 1970-06-30
Socotra	SOCY	Yemen	12.1870N	53.9874E	802	From 2009-01-22
Socrates Mine	GSMM	California,U.S.A.	38.7692N	122.7810W	1017	From 1975-07-18
Soda Butte	YPSB	Wyoming,U.S.A.	44.8840N	110.1510W	2072	
Sodankyla	SDF	Finland	67.4203N	26.3936E	277	From 1984-12-19 to 2000-06-15
Sodankyla@14	SOD	Finland	67.3712N	26.6291E	181	From 1987-07-28 to 1992-01-13
Sodankyla@14	SGF	Finland	67.4421N	26.5261E	180	
Soda Springs	K16A	Idaho,U.S.A.	42.8321N	111.5884W	1885	From 2007-07-22 to 2009-05-12
Soda Springs	SOS	California,U.S.A.	37.1695N	121.9310W	946	
Soda Springs	JSSM	California,U.S.A.	37.1695N	121.9310W	946	
Sodus	SONY	New York,U.S.A.	43.1922N	76.9647W	122	
Soe	SOEI	Timor,Indonesia	9.7553S	124.2672E	1047	From 2006-12-11
Soengei Langka	SLS	Sumatera,Indonesia	5.4000S	105.2170E	240	
Sofiya	SOF	Bulgaria	42.6853N	23.3342E	540	
sogukcermik	SCER	Turkey	39.8613N	37.1286E	1428	From 2008-06-26
Sohna	SONA	Delhi,India	28.2500N	77.0833E		
So. Illinois U.	EDIL	Illinois,U.S.A.	38.7838N	89.9878W	183	
Sokcho	KSSKC	South Korea	38.2899N	128.5219E	56	From 2004-12-24
Sokcho	KSSOC	South Korea	38.2422N	128.5669E	17	From 2000-01-29 to 2004-12-22
Sokhos	SOH	Greece	40.8217N	23.3539E	670	From 1981-01-01
Solana Beach	SLBC	California,U.S.A.	33.0010N	117.2690W	38	From 1981-01-01 to 1985-07-31
Solania	AR4	Costa Rica	10.3583N	84.9928W	600	
Solberg Farm, Malta	B20A	Montana,U.S.A.	48.4389N	108.0209W	827	From 2008-09-12 to 2010-07-18
Soldier Meadows	M07A	Nevada,U.S.A.	41.3884N	119.1711W	1400	From 2006-02-17 to 2008-04-15
Soldier's Delight Natural Environment Area	SDMD	Maryland,U.S.A.	39.4102N	76.8403W	212	
Soledad Mission	BSMM	California,U.S.A.	36.3833N	121.4280W	939	
Solikamsk	SOKR	Permskiy Kray,Russia	59.5692N	56.7919E	-85	
Sollefteaa	SOLU	Sweden	63.2470N	17.2580E	100	From 2000-04-28
Solontsovaya	SOL	Irkutskaya Oblast',Russia	54.1000N	108.3000E		
Solunto	SOLUN	Sicily,Italy	38.0920N	13.5330E	190	From 2004-05-12
Solvholt	ISOL	Iceland	63.9290N	20.9440W	30	From 1990-02-20
Sombrero	SOM	Magallanes,Chile	52.7808S	69.2422W	73	From 1964-12-22
Sombrero	SWIP	Anguilla	18.5980N	63.4263W	15	
Somerset	SMC	Colorado,U.S.A.	38.9333N	107.4580W	1905	From 1969-07-01
Somerset East	SOE	Cape Province,South Africa	32.7117S	25.5617E	820	
Somma	SMAR	Kamchatskaya Oblast',Russia	53.2631N	158.8011E	1950	
Somoto	SOMN	Nicaragua	13.4203N	86.6138W	1200	
Somplago	SMP	Italy	46.3400N	13.0583E		
Sondre	SFJ	Greenland	66.9967N	50.6152W	365	
Sonepat	SNP	Uttar Pradesh,India	28.9833N	77.0000E	220	
Songino Array Beam Reference Point	SONM	Mongolia	47.8347N	106.3950E	1415	
Songino Array Site A0	SONA0	Mongolia	47.8347N	106.3950E	1415	
Songino Array Site A1	SONA1	Mongolia	47.8468N	106.4032E	1511	
Songino Array Site A2	SONA2	Mongolia	47.8507N	106.3986E	1508	
Songino Array Site A3	SONA3	Mongolia	47.8484N	106.4098E	1563	
Songino Array Site A4	SONA4	Mongolia	47.8400N	106.4043E	1461	
Songino Array Site B1	SONB1	Mongolia	47.8630N	106.4039E	1603	
Songino Array Site B3	SONB3	Mongolia	47.8341N	106.4147E	1537	
Songino Array Site B4	SONB4	Mongolia	47.8339N	106.3604E	1402	
Songino Array Site B5	SONB5	Mongolia	47.8539N	106.3694E	1417	
Songino Ar. Site	SONB2	Mongolia	47.8487N	106.4231E	1582	
SONGINO INFRASONIC ARRAY REFERENCE POINT	SONMN	Mongolia	47.8017N	106.4101E	1245	From 2008-01-14
Songkhla	SKLT	Thailand	7.1700N	100.6200E	14	From 2008-01-01
Songkhla	SNG	Thailand	7.1770N	100.6170E	4	From 1965-10-01
Songo	SONG	Mozambique	15.6033S	32.7783E	900	From 1985-11-01 to 2003-08-15
Songwoldong	KSSOD	South Korea	37.5714N	126.9662E	68	From 2007-12-12
Son La	SLVN	Vietnam	21.3338N	103.9050E	700	
Sonneberg	SON	Thuringen,Germany	50.3782N	11.1925E	634	
Sonora	431A	Texas,U.S.A.	30.6824N	100.6079W	700	From 2009-02-14
Sonora	SOKY	Kentucky,U.S.A.	37.5260N	85.9650W	204	From 1985-01-01
Sonora Basin	SBCZ	South Island,New Zealand	45.0922S	169.3111E	801	From 1986-12-01 to 1996-04-30
Sonoran Desert, Stanfield	115A	Arizona,U.S.A.	32.7006N	112.2279W	606	From 2006-03-21 to 2008-12-04
Sonseca Array BB	ESBB	Spain	39.6755N	3.9617W	724	
Sonseca Array Beam Reference Point	ESDC	Spain	39.6743N	3.9631W	753	
SONSECA Array Site 01	ES01	Spain	39.6703N	3.9475W	743	
SONSECA Array Site 02	ES02	Spain	39.6771N	3.9355W	734	
SONSECA Array Site 03	ES03	Spain	39.6663N	3.9334W	732	
SONSECA Array Site 04	ES04	Spain	39.6557N	3.9423W	740	
SONSECA Array Site 05	ES05	Spain	39.6624N	3.9590W	763	
SONSECA Array Site 06	ES06	Spain	39.6757N	3.9521W	745	
SONSECA Array Site 07	ES07	Spain	39.6873N	3.9519W	734	
SONSECA Array Site 08	ES08	Spain	39.6923N	3.9251W	721	
SONSECA Array Site 09	ES09	Spain	39.6781N	3.8996W	753	
SONSECA Array Site 10	ES10	Spain	39.6580N	3.9026W	758	
SONSECA Array Site 11	ES11	Spain	39.6487N	3.9200W	758	
SONSECA Array Site 12	ES12	Spain	39.6387N	3.9429W	761	
SONSECA Array Site 13	ES13	Spain	39.6501N	3.9660W	762	
SONSECA Array Site 14	ES14	Spain	39.6518N	3.9885W	779	
SONSECA Array Site 15	ES15	Spain	39.6642N	4.0004W	776	
SONSECA Array Site 16	ES16	Spain	39.6868N	3.9943W	775	
SONSECA Array Site 17	ES17	Spain	39.7004N	3.9728W	766	
SONSECA Array Site 18	ES18	Spain	39.7102N	3.9493W	750	
SONSECA Array Site 19	ES19	Spain	39.7006N	3.8991W	720	
Sonseca Array Site A	ESLA	Spain	39.6743N	3.9631W	752	From 1989-07-31
Sonseca Array Site B	ESLB	Spain	39.8415N	4.0172W	612	From 1991-06-01
Sonseca Array Site C	ESLC	Spain	39.7950N	3.8133W	687	
Sonseca Array Site D	ESLD	Spain	39.6099N	3.7843W	807	From 1991-06-01
Sonseca Array Site E	ESLE	Spain	39.5072N	3.9734W	801	From 1991-06-01
Sonseca Array Site F	ESLF	Spain	39.5957N	4.1701W	911	From 1991-06-01
Sonseca Array Site G	ESLG	Spain	39.7446N	4.1950W	830	From 1991-06-01
Sonsonate	SONS	El Salvador	13.7381N	89.7172W	302	
Sooke	SOKB	British Columbia,Canada	48.3947N	123.6731W	45	From 2008-03-17
Sopron	SOP	Hungary	47.6833N	16.5583E	260	
Sorel	SO-	Quebec,Canada	45.7550N	72.2550W	152	From 1962-07-06 to 1962-07-17
Sorel	SO-QB	Quebec,Canada	45.7550N	72.2550W	152	From 1962-07-06 to 1962-07-17
Sornfelli, Faroe Islands	SOFL	Faeroe Islands	62.0689N	6.9658W	721	From 2007-11-01
Soroa	SOR	Cuba	22.7917N	83.0078W	206	
Soroako, Sulawesi	SKSI	Sulawesi,Indonesia	2.5283S	121.3350E	602	From 2008-01-01
Soroca	SORM	Moldova	48.1349N	28.3513E	98	From 2007-09-28
Sorokina	SRKR	Kamchatskaya Oblast',Russia	56.6540N	161.1680E	849	From 2005-09-19

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sorong	SWI	Irian Jaya,Indonesia	0.8630S	131.2598E	0	
Sorong	SIJI	Irian Jaya,Indonesia	0.9000S	131.3000E		
Sorpetalsperre	SORT	Germany	51.3497N	7.9714E	280	From 1999-01-01
Sort	CSOR	Spain	42.3756N	1.1339E	1227	
Sortino	SSY	Sicily,Italy	37.1539N	15.0719E	540	
Sos del Rey Catolico	YSOS	Spain	42.4554N	1.1470W	881	From 2010-05-01
Sospel	SBF	Provence-Cote d'Azur,France	43.8631N	7.4352E	847	From 1985-06-01
Sotra	SOTS	Norway	60.3500N	5.1100E	30	From 2002-01-01
Souberoche	SOU	Rhone-Alpes,France	44.6614N	5.6903E	960	
Soufriere	PSDMA	Dominica	15.2350N	61.3570W	60	
Soufriere Village	DSVT	Dominica	15.2290N	61.3700W	5	
Soufriere Volcano	SVV	St Vincent,Saint Vincent and the Grenadines	13.3180N	61.2160W	243	From 1978-09-24
Souni-Zanaja	SZAC	Cyprus	34.7560N	32.8830E	512	
Source of Smith Creek	SOSW	Washington,U.S.A.	46.2440N	122.1370W	1270	
Sourdough	SDG	Alaska,U.S.A.	62.5270N	145.5430W	625	From 1986-01-01
Sourhope Farm	XSO	Scotland,United Kingdom	55.4925N	2.2511W	495	From 1983-10-19
South Baldy	SBM	New Mexico,U.S.A.	33.9752N	107.1810W	3230	
South Base Booster	BOOC	California,U.S.A.	34.8680N	117.9103W	704	
South Creake	SCK	England,United Kingdom	52.8797N	0.7506E	61	
South Dakota State University	SUSD	South Dakota,U.S.A.	44.4429N	98.9556W	515	From 2010-07-24
South Dennis	COD	Massachusetts,U.S.A.	41.6858N	70.1350W	-85	
South Entrance	YPSE	Wyoming,U.S.A.	44.1363N	110.6667W	2073	
Southern Antelope Island	SAIU	Utah,U.S.A.	40.8548N	112.1810W	1384	From 1990-05-10
Southern Antelope Island	AIUT	Utah,U.S.A.	40.8558N	112.1750W	1334	From 1983-04-01 to 1990-05-09
Southern Illinois University	SIUC	Illinois,U.S.A.	37.7149N	89.2176W	137	From 1984-01-01
Southern Oregon Univeristy DOGAMI SMO	SOUA	Oregon,U.S.A.	42.1836N	122.6963W	634	From 2005-04-28
South Grapevine Mountains	SGV	California,U.S.A.	36.9806N	117.0327W	1571	From 1978-11-28 to 2002-10-10
South Ingalls	SIG	Colorado,U.S.A.	39.6878N	105.0650W		
South Kanaga	AD6	Alaska,U.S.A.	51.7083N	177.2420W	137	From 1974-01-01 to 1992-02-01
South Karori	SNZO	North Island,New Zealand	41.3103S	174.7050E	-10	From 1975-12-01
South Lassen	LSLM	California,U.S.A.	40.4337N	121.5360W	1060	From 1976-11-12
South Mountain	SMW	Washington,U.S.A.	47.3195N	123.3420W	840	From 1975-03-24
South Mountain	SMNC	North Carolina,U.S.A.	35.5835N	81.6360W	722	
South Point	SPT	Hawaii,U.S.A.	18.9823N	155.6707W	250	From 1971-03-10
South Pole	SPA	Antarctica:Land	89.9954S	115.0000E	2927	From 1957-01-01 to 2005-03-26
South Pole Quiet Zone Earth Science Obs.	QSPA	Antarctica:Land	89.9279S	145.0000E	2657	
South Promontory Point	SPUT	Utah,U.S.A.	41.3086N	112.4492W	1634	
South Ridge	HSR	Washington,U.S.A.	46.1728N	122.1830W	1774	
South Ridge	SGE	Fiji	17.5892S	177.9230E	1021	
South Tanaga	AT2	Alaska,U.S.A.	51.6633N	177.9300W	99	From 1975-01-01 to 1976-10-31
South Tanaga	AK2	Alaska,U.S.A.	51.6633N	177.9300W	99	From 1976-10-01 to 1992-02-01
Southwest Bay	SWB	Vanuatu	16.5087S	167.4200E		
Southwest Flank Mount Saint Helens	SWFL	Washington,U.S.A.	46.1887N	122.2020W	2268	From 2006-10-10
Southwest Rift	SWH	Hawaii,U.S.A.	19.4543N	155.6050W	4048	
South Whidbey SD ANSS-SMO	SWID	Washington,U.S.A.	48.0084N	122.4129W	62	From 2001-07-23
Soyaes	JSE	Soya,Japan	44.9588N	142.5842E	10	
Spaichingen-Kochelsberg	SPAK	Baden-Wurttemberg,Germany	48.1023N	8.7858E	990	From 1997-01-01
Spangler Hills	WSHM	California,U.S.A.	35.5996N	117.4926W	764	
Sparrevohn	SVW2	Alaska,U.S.A.	61.0973N	155.5809W	498	
Sparrevohn	SVW	Alaska,U.S.A.	61.1082N	155.6220W	762	From 1967-08-01 to 2004-10-14
Sparta	SR-	Oregon,U.S.A.	44.9403N	117.4278W	1341	From 1963-03-19 to 1963-06-03
Sparta	SR-OR	Oregon,U.S.A.	44.9403N	117.4278W	1341	From 1963-03-19 to 1963-06-03
Spence Gulch, Sunbeam	N20A	Colorado,U.S.A.	40.8338N	108.2626W	2192	From 2007-11-13
Spence Mountain	VSP	Oregon,U.S.A.	42.3417N	121.9500W	1539	
Spencer City Hall	OK008	Oklahoma,U.S.A.	35.5071N	97.3838W	368	
Spencer Herefords Ranch, Brewster	L30A	Nebraska,U.S.A.	41.9492N	99.7196W	782	From 2009-09-07
Speyside	TOSP	Trinidad and Tobago	11.2984N	60.5353W	10	From 2007-05-09
Spijk (Roodeschool)	SPY4	Netherlands	53.4098N	6.7838E	-119	From 2010-07-08
Spijk (Roodeschool)	SPY1	Netherlands	53.4098N	6.7838E	-29	From 2010-07-08
Spijk (Roodeschool)	SPY3	Netherlands	53.4098N	6.7838E	-89	From 2010-07-08
Spijk (Roodeschool)	SPY2	Netherlands	53.4098N	6.7838E	-59	From 2010-07-08
Spilker Farm, Colbert	C10A	Washington,U.S.A.	47.8192N	117.3077W	684	From 2006-09-06 to 2008-06-11
Spine 5 MSH Spider	SPN5	Washington,U.S.A.	46.1947N	122.1884W	2263	From 2007-06-18
Spinoso	SPIE	Italy	40.2271N	15.9887E	1200	
Spiridon Lake	SPL	Alaska,U.S.A.	57.7592N	153.7710W	600	From 1975-10-01
Spitak	SPIZ	Armenia	40.8250N	44.2700E	1590	
Spitsbergen Array Beam Reference Point	SPITS	Svalbard,Norway	78.1777N	16.3700E	323	
Spitsbergen Array Site A0	SPA0	Svalbard,Norway	78.1777N	16.3700E	323	From 1992-11-01
Spitsbergen Array Site A1	SPA1	Svalbard,Norway	78.1797N	16.3755E	320	
Spitsbergen Array Site A2	SPA2	Svalbard,Norway	78.1759N	16.3766E	250	
Spitsbergen Array Site A3	SPA3	Svalbard,Norway	78.1773N	16.3588E	339	
Spitsbergen Array Site B1	SPB1	Svalbard,Norway	78.1796N	16.3906E	301	
Spitsbergen Array Site B2	SPB2	Svalbard,Norway	78.1742N	16.3846E	200	From 1992-11-01
Spitsbergen Array Site B3	SPB3	Svalbard,Norway	78.1737N	16.3584E	234	
Spitsbergen Array Site B4	SPB4	Svalbard,Norway	78.1789N	16.3482E	340	
Spitsbergen Array Site B5	SPB5	Svalbard,Norway	78.1823N	16.3683E	295	
Split Crater	SPCI	Idaho,U.S.A.	43.4500N	112.6370W	1520	From 1992-01-01
Split Rock	SPRM	New South Wales,Australia	30.5748S	150.6877E	456	
Spokane	SPO	Washington,U.S.A.	47.7300N	117.3420W	713	From 1909-01-01 to 1969-12-31
Spokane Nat. Inst. Occ. Safety SMO	SNIO	Washington,U.S.A.	47.6794N	117.4050W	584	
Spokane Schools, Ferris High School ANSS-SMO	SFER	Washington,U.S.A.	47.6194N	117.3665W	715	From 2001-08-09
Spokane Temp K2 (Swanson)	SHLY	Washington,U.S.A.	47.7084N	117.4160W	626	From 2001-11-18
Spotted Range	SPRG	Nevada,U.S.A.	36.6938N	115.8093W	1240	From 1979-05-28 to 2002-10-10
Springbok	SBO	Cape Province,South Africa	29.6698S	17.8789E	1055	From 1993-11-01 to 2004-05-01
Spring Butte	VSBM	Oregon,U.S.A.	43.5237N	121.3470W	1664	
Spring Creek Lake, Blk. Kettle Nat Grslnd	V31A	Oklahoma,U.S.A.	35.7739N	99.8425W	687	From 2009-04-08
Springerville	SV-	Arizona,U.S.A.	34.1756N	109.1469W	2134	From 1961-11-25 to 1962-05-03
Springerville	SV-AZ	Arizona,U.S.A.	34.1756N	109.1469W	2134	From 1961-11-25 to 1962-05-03
Springfield	SGN	Nebraska,U.S.A.	41.0658N	96.2188W	347	From 1979-11-06 to 1981-09-01
Springhill	SHIN	Indiana,U.S.A.	39.4278N	87.4083W	168	
Spring Hill	SHA	Alabama,U.S.A.	30.6944N	88.1428W	61	From 1910-12-01
Springville	O16A	Utah,U.S.A.	40.2067N	111.5024W	1789	From 2007-06-27 to 2009-04-09
Spur Ranch, Miami	V30A	Texas,U.S.A.	35.7623N	100.6892W	931	From 2009-04-03
Spurr Blockage Glacier	SPBG	Alaska,U.S.A.	61.2597N	152.3699W	1087	
Spurr Capps Glacier	SPCG	Alaska,U.S.A.	61.2919N	152.0205W	1329	
Spurr Chakachatna River	SPCR	Alaska,U.S.A.	61.2009N	152.2068W	984	
Spurr Northwest	SPNW	Alaska,U.S.A.	61.3471N	152.6039W	1040	
Spurr West	SPWE	Alaska,U.S.A.	61.2740N	152.5568W	1233	
Spur Tree	SPJ	Jamaica	17.9959N	77.5596W	751	
Squaw Harbor	SQF	Alaska,U.S.A.	55.2200N	160.5620W	360	
Squaw Peak	SQU	Utah,U.S.A.	40.2817N	111.6110W	2353	From 1974-09-01 to 1980-07-31
Squaw Tit	TIT	California,U.S.A.	41.0733N	123.9800W	700	
SRDT	SRDT	Thailand	14.3495N	99.1212E	122	From 2008-10-22
Sredinnyy	SRDR	Kamchatskaya Oblast',Russia	56.3170N	159.7170E	800	
Sredniy Kalar	SRK	Chitinskaya Oblast',Russia	55.8700N	117.3800E	716	
Srinagar	SRNI	Jammu and Kashmir,India	34.1000N	74.8500E		
Srobarova	SRO	Slovakia	47.8133N	18.3133E	150	
SS1	SSX	Nevada,U.S.A.	37.2282N	116.2900W	2248	From 1965-01-01 to 1970-12-31
Stafford Cattle Company, Roaring Springs	Y30A	Texas,U.S.A.	33.8766N	100.8978W	812	From 2009-03-11
STALIGIAL	STAL	Italy	46.2601N	12.7104E	625	From 2010-05-25
Standing Stone	SSPA	Pennsylvania,U.S.A.	40.6358N	77.8880W	158	From 1993-07-05
St-Andre-du-Lac-St-Jean	SANQ	Quebec,Canada	48.3200N	71.9900W	296	From 1984-11-25
Stanford	STAN	California,U.S.A.	37.4039N	122.1751W	125	From 1991-04-15 to 1994-06-30
Stanford	JSFM	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford	LT4	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford Telescope	SFT	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanga	SGAS	Sweden	57.3040N	18.4730E	43	From 1980-01-01 to 1991-12-31
Stanley	STID	Idaho,U.S.A.	44.1148N	114.8660W	1993	From 1992-12-01
Stansbury Island	SBU	Utah,U.S.A.	40.8218N	112.4670W	1317	From 1974-07-01 to 1976-10-31
Stansbury Island BLM, Grantsville	N15A	Utah,U.S.A.	40.8903N	112.5201W	1408	From 2007-02-18 to 2009-04-04
Stansbury North	SNU	Utah,U.S.A.	40.9238N	112.5100W	1378	From 1978-05-01 to 1986-09-30
Stansbury North	SNUT	Utah,U.S.A.	40.8857N	112.5090W	1652	
Star City	STAR	Arkansas,U.S.A.	33.8920N	91.7780W	107	From 1981-02-08
Starunia	STNU	Ukraine	48.7106N	24.5014E	391	From 2007-08-30
Star Valley	STI	Idaho,U.S.A.	42.8022N	111.0508W	2149	From 1976-12-01 to 1979-09-30
State Center	SCIA	Iowa,U.S.A.	41.9069N	93.2153W	311	
State College	SCP	Pennsylvania,U.S.A.	40.7950N	77.8650W	352	From 1966-10-20
State College	SCP1	Pennsylvania,U.S.A.	40.8099N	77.8694W	353	
Statfjord A Platform	STF	Norway	61.2560N	1.8170E	-148	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Station 2	STX	Nevada,U.S.A.	37.1940N	116.1610W	1632	From 1964-01-01 to 1970-12-31
Statte	SAE	Italy	40.5619N	17.2061E		
Stauanlage Cunera	CURA	Switzerland	46.6348N	8.7108E	1960	From 2009-10-28
Staufenbuehl	STAB	Baden-Wurttemberg,Germany	48.2709N	9.0402E	898	From 2000-10-25
Staufen im Breisgau	STAU	Baden-Wurttemberg,Germany	47.8693N	7.7329E	299	From 2001-01-04
St Austell	CSA1	England,United Kingdom	50.3527N	4.8919W	112	From 1981-01-01
Stavanger	STAV	Norway	58.9348N	5.7022E	28	
Stavd-Durt	STDR	Severo-Osetinskaya,Russia	43.3689N	44.0631E	352	From 2009-03-14
Stavros Akrotiri	AKRT	Crete,Greece	35.5896N	24.0840E	10	From 2006-06-01
St. Charles CC	SCMO	Illinois,U.S.A.	38.7618N	90.6413W	152	
St. Cloud Mine, Winston	Z21A	New Mexico,U.S.A.	33.3086N	107.6712W	1964	From 2008-02-22
St. Croix	CDVI	Virgin Islands	17.7518N	64.7661W	3	From 2005-02-01
Stead Airport, Stead	P06A	Nevada,U.S.A.	39.6785N	119.8983W	1368	From 2006-04-28 to 2008-03-04
Steamboat Mountain	STEW	Wyoming,U.S.A.	44.0497N	110.6967W	2316	From 1986-01-01 to 2007-08-07
Steam Cracks	STCH	Hawaii,U.S.A.	19.3883N	155.1280W	765	
Stebnicka Huta	STHS	Slovakia	49.4167N	21.2437E	534	From 2004-12-01
Ste Croix	LASF	Rhone-Alpes,France	44.0761N	3.8570E	520	
Steenkerk	BSKQ	Belgium	50.6487N	4.0796E	63	From 1994-08-01
Stefanesti	STFR	Romania	44.5324N	26.2131E	122	From 2004-05-05
Steigen	STEI	Norway	67.9300N	15.2420E	21	From 2007-06-17
Stein am Rhein	STEIN	Switzerland	47.6697N	8.8690E	540	From 2003-08-29
Steinbach	BA18	Nordrhein-Westfalen,Germany	50.5938N	6.8393E	262	From 2006-10-01
Steinbach	STB	Nordrhein-Westfalen,Germany	50.5940N	6.8400E	270	From 1975-12-01
Ste Jean	SJPF	Aquitaine,France	43.1133N	1.2250W	450	From 1996-04-03
St-Eleuthere	SELQ	Quebec,Canada	47.5000N	69.3600W	459	From 1984-08-28
Stellar Camp, Hudson Bay	STLN	Nunavut,Canada	67.3116N	92.9849W	204	From 2006-08-18
Ste Marie-Mines	SMM	Alsace,France	48.2158N	7.1583E		
Stent	MSTM	California,U.S.A.	37.9045N	120.4050W	366	From 1972-04-19
Stepanavan	STE	Armenia	41.0000N	44.3700E	1390	From 1951-01-01
Stepenevan	STEZ	Armenia	41.0000N	44.3990E	1423	From 1996-10-01
Stephens Creek	STK	New South Wales,Australia	31.8817S	141.5920E	213	From 1974-04-01 to 2006-05-29
Stephens Creek	STKA	New South Wales,Australia	31.8769S	141.5952E	272	From 1991-09-20
Stephens Glacier	SGA	Alaska,U.S.A.	61.4207N	146.3950W	1326	From 1974-07-11 to 1976-01-28
Stepladder Mountains	STP	California,U.S.A.	34.5712N	114.8480W	628	From 1974-04-01 to 1976-10-31
Stepnoy Dvorets	STDB	Buryatiya,Russia	52.1690N	106.3660E	458	From 1999-08-01
Sterling	SGU	Utah,U.S.A.	39.1823N	111.6447W	2357	From 1978-10-01
Sterling City	230A	Texas,U.S.A.	31.8878N	101.1124W	742	From 2009-03-03
Sterling Forest	SFO	New York,U.S.A.	41.1962N	74.2600W	300	From 1962-01-01 to 1975-08-31
Sterling Forest	SFN	New York,U.S.A.	41.1962N	74.2612W	244	
St-Etienne Orgue	STOF	France	43.9980N	5.9090E	650	
St. Eustatius	SEUS	Caribbean Sea,Netherlands Antilles	17.4928N	62.9814W	46	From 2006-10-29
Stevens Creek	JSCM	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stevens Creek	SEC	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stevens Creek	LT1	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stev Forest Ranch, Sanderson	529A	Texas,U.S.A.	30.1246N	102.2204W	764	From 2009-02-12
Stewart Farms, Lamesa	129A	Texas,U.S.A.	32.6309N	101.8662W	876	From 2009-01-31
Stewart Island	SIZ	Stewart Island,New Zealand	46.8750S	168.1330E	60	From 1990-12-12 to 2003-03-15
St. George Fire Station	SGSU	Utah,U.S.A.	37.0474N	113.6064W	755	From 2009-12-10
St-Georges	SGRQ	Quebec,Canada	46.1400N	70.5800W	330	From 1984-08-30
St. Georges / Gimel	GIMEL	Switzerland	46.5347N	6.2658E	1130	From 1999-09-06
Stickney	SY-	South Dakota,U.S.A.	43.6056N	98.4917W	488	From 1962-10-12 to 1962-10-27
Stickney	SY-SD	South Dakota,U.S.A.	43.6056N	98.4917W	488	From 1962-10-12 to 1962-10-27
Stiles	STLY	New York,U.S.A.	41.1886N	74.0036W	125	
Stillwater	STWA	New York,U.S.A.	42.9620N	73.6773W	103	
Stillwater	ST-	Nevada,U.S.A.	39.4381N	118.5800W	1219	From 1963-01-30 to 1963-03-29
Stillwater	ST-NV	Nevada,U.S.A.	39.4381N	118.5800W	1219	From 1963-01-30 to 1963-03-29
Stillwater	SWN	Nevada,U.S.A.	39.8830N	118.0623W	2298	
Stillwater Mine	STMT	Montana,U.S.A.	45.3860N	109.8608W	1756	
Stimpson Lane	OSTM	California,U.S.A.	39.3688N	121.5970W	28	From 1975-08-05
Stinnett	V29A	Texas,U.S.A.	35.8734N	101.5209W	953	From 2009-01-18
Stip	STIP	Former Yugoslav Rep. of Macedonia	41.6943N	22.1862E	300	From 2005-08-01
Stithians	CST1	England,United Kingdom	50.1952N	5.1635W	141	From 1981-01-01
St. Johann (BS)	JOHAN	Switzerland	47.5747N	7.5693E	-56	From 2006-10-01
St. Johns	X19A	Arizona,U.S.A.	34.4275N	109.2901W	1861	From 2007-04-10 to 2009-02-03
St Joseph	JSJM	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
St Joseph	LT2	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
St-Lucie-de-Beauregard	SLBQ	Quebec,Canada	46.7400N	70.0200W	412	From 1984-08-30
St. Maarten	SMRT	Caribbean Sea,Netherlands Antilles	18.0505N	63.0746W	260	From 2006-10-27
St. Maarten, Airport	STMA	Netherlands Antilles	18.0428N	63.1089W	28	From 2004-03-07
St-Marc-des-Carri"□res	SMCQ	Quebec	46.6709N	72.0551W	47	From 2009-11-04
St.-Nazaire-Desert	OG26	Rhone-Alpes,France	44.5783N	5.3022E	840	
St. Niklaus Bahnhofstrasse	SNIB	Valais,Switzerland	46.1771N	7.8024E	1110	From 2010-12-21
Stockdale Mountain	SMNB	California,U.S.A.	35.9730N	120.5799W	416	
Stockdale Mountain	PSTM	California,U.S.A.	35.9288N	120.5080W	573	
Stockton	P31A	Kansas,U.S.A.	39.5211N	99.3783W	665	From 2009-05-18
Stoke	STNC	England,United Kingdom	53.0913N	2.2062W	234	From 2007-04-24
Stokes Ranch, Hill City	J12A	Idaho,U.S.A.	43.2500N	115.0980W	1587	From 2006-12-08 to 2008-07-25
Stokkvaagen	STOK	Norway	66.3330N	13.0177E	18	From 2003-09-01
Stolberg	BA02	Nordrhein-Westfalen,Germany	50.7722N	6.2157E	230	From 2006-10-01
Stollet	SLL	Sweden	60.4760N	13.3200E	390	
Ston	STON	Croatia	42.8716N	17.6999E	5	From 2003-10-13
Stone Canyon	SCYB	California,U.S.A.	36.0094N	120.5366W	695	
Stone Canyon	BSCM	California,U.S.A.	36.6330N	121.2340W	357	From 1976-10-06
Stone Canyon Observatory	STC	California,U.S.A.	36.6350N	121.2397W	267	From 1967-01-22 to 1976-10-06
Stone Canyon Reservoir	SCY	California,U.S.A.	34.1062N	118.4540W	287	From 1971-09-16
Stoneham	STOQ	Quebec,Canada	47.0188N	71.3795W	201	From 2007-11-02
Stone Ridge	PKNY	New York,U.S.A.	41.8742N	74.1714W	0	
Stone Ridge	PONY	New York,U.S.A.	41.8517N	74.1500W	0	
Stone Ridge	SPNY	New York,U.S.A.	41.8756N	74.1492W	0	
Stone Valley	CSVM	California,U.S.A.	37.8653N	122.0063W	199	
Stoney Creek	RD04	Ontario,Canada	43.1524N	79.6988W	168	
Stoneypath	ESY	Scotland,United Kingdom	55.9178N	2.6144W	328	From 1981-11-27
Stoney Pound	SSP1	Wales,United Kingdom	52.4177N	3.1119W	428	From 1990-01-01
Stony Hill	STH	Jamaica	18.0767N	76.8094W	418	From 1969-08-01
Stonyhurst	STO	England,United Kingdom	53.8500N	2.4667W	116	
Stony Point	SNPY	New York,U.S.A.	41.2663N	74.0040W	122	From 1975-06-17
Stony River	STY	Alaska,U.S.A.	61.1445N	154.2020W	1047	From 1972-07-24 to 1975-01-29
Storozhevoye	VSR	Voronezhskaya Oblast',Russia	51.2162N	39.1664E	186	From 2007-09-03
Storozhevoye	VRSR	Voronezhskaya Oblast',Russia	51.2150N	39.1900E	180	
Stover Farm, Hazelton	K13A	Idaho,U.S.A.	42.6493N	114.0840W	1222	From 2006-12-12 to 2008-08-05
Stowe	DSTT	Dominica	15.2467N	61.3035W	120	
Stow on the Wold	SSW	England,United Kingdom	51.9667N	1.8499W	291	
St-Pascal	STPQ	Quebec,Canada	47.5300N	69.8000W	62	From 1979-09-19
St. Paul	SPMN	Minnesota,U.S.A.	45.2246N	92.8037W	311	From 2008-08-28
St-Paul-en-Foret	SPF	Provence-Cote d'Azur,France	43.5639N	6.6972E	337	
Strandline Lake	STLK	Alaska,U.S.A.	61.4987N	151.8330W	940	
Strasbourg	STR	Alsace,France	48.5845N	7.7658E	135	
Stratford	STZ	North Island,New Zealand	39.3500S	174.2830E	305	From 1934-01-01 to 1939-12-31
Strathalbyn	STR2	South Australia,Australia	35.2871S	138.8479E	155	From 2007-01-08
Strathcona Park Lodge	SPLB	British Columbia,Canada	49.8921N	125.6526W	276	From 2009-07-30
Strathgordon	STG	Tasmania,Australia	42.8483S	146.2070E	350	From 1972-07-01 to 2009-09-03
Strathgordon Vge	STGV	Tasmania,Australia	42.7682S	146.0476E	0	
Strazhica	SZH	Bulgaria	43.2667N	25.9333E	310	From 1988-01-01
Streeter	ST4	Texas,U.S.A.	31.1633N	100.0611W	640	From 1967-04-16 to 1967-05-16
Streeter	ST1TX	Texas,U.S.A.	30.7522N	99.3556W	518	
Streeter	ST1	Texas,U.S.A.	30.7522N	99.3556W	518	
Streeter	ST2TX	Texas,U.S.A.	30.7922N	99.4478W	579	
Streeter	ST4TX	Texas,U.S.A.	31.1633N	100.0611W	640	From 1967-04-16 to 1967-05-16
Streeter	ST2	Texas,U.S.A.	30.7922N	99.4478W	579	
Strehaia	SRE	Romania	44.6622N	23.2052E	335	From 1982-09-01
Stringfield Ranch, Weed	124A	New Mexico,U.S.A.	32.7001N	105.4544W	2078	From 2008-02-27 to 2010-01-18
Striped Hills	SDH	Nevada,U.S.A.	36.6453N	116.3378W	1073	From 1978-07-24 to 2002-12-10
Striped Peak	STW	Washington,U.S.A.	48.1502N	123.6700W	308	From 1973-06-27
Strizhament	STRR	Stavropol'skiy Kray,Russia	44.7747N	42.0153E	820	
Stroemstad	STRU	Sweden	59.0345N	11.1825E	50	From 2006-07-27
Strofades	SFD	Greece	37.2512N	21.0165E	45	From 2009-07-24
STROMBOLI 3	STR3	Sicily,Italy	38.7978N	15.2305E	195	From 2003-05-01
STROMBOLI 4	STR4	Sicily,Italy	38.7739N	15.2115E	86	From 2003-05-01
Stromboli 5	STR5	Sicily,Italy	38.7911N	15.2032E	632	From 2003-05-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Stromboli-G	GIN	Italy	38.7897N	15.1908E	125	
Stronsay	OST	Orkney Islands,United Kingdom	59.0860N	2.5516W	15	From 1995-09-21
Stroppo	PZZ	Italy	44.5068N	7.1160E	1430	From 1985-01-01
Stroud	STRD	England,United Kingdom	51.7763N	2.1639W	187	From 2009-07-14
Str Punta Lena IE	ISPL	Sicily,Italy	38.7747N	15.2112E	160	From 1996-01-01
Struganik	STRS	Serbia	44.2036N	20.1115E	0	
Studebaker Ridge	STD	Washington,U.S.A.	46.2378N	122.2230W	1268	
Studenec	STCW	Czech Republic	50.2591N	12.5197E	666	From 1997-01-01
Stuetta	TUE	Italy	46.4722N	9.3472E	1955	
Stulken Farm, Doniphan	N32A	Nebraska,U.S.A.	40.7639N	98.2955W	587	From 2009-09-08
Stuttgart	STU	Baden-Wurttemberg,Germany	48.7719N	9.1950E	360	From 1929-01-01
Stuzhytsa	STZU	Ukraine	49.0163N	22.6229E	385	From 2011-03-15
Stwlan	WST	Wales,United Kingdom	52.9750N	3.9889W	850	From 1986-01-01
Suanglung	SSLB	Taiwan region	23.7875N	120.9540E	450	
Suao	TWC	Taiwan region	24.6092N	121.8490E	20	From 1973-03-16
Suao Port	TWCP	Taiwan region	24.5970N	121.8570E	0	From 2001-04-10
Subarray A0 LASA	-A0MA	Montana,U.S.A.	46.6886N	106.2222W	897	
Subic Bay	SBP	Luzon,Philippines	14.8333N	120.2830E		
Suche	PT08	Peru	11.9600S	76.5490W	2880	From 1983-08-30
Suckling Hill	SUK	Alaska,U.S.A.	60.0737N	143.7770W	454	
Suckling Hills	SUCK	Alaska,U.S.A.	60.0725N	143.7770W	467	
SUCO	SUCO	Cordoba	33.3445S	64.8835W	780	From 2001-07-13
Sucre	SUC	Bolivia	19.0467S	65.2644W	2850	
Sudak	SUDU	Ukraine	44.8900N	35.0000E	108	From 1998-10-01
Sudbury	SUD	Ontario,Canada	46.4667N	80.9667W	267	From 1967-11-22
Sudbury	SWO	Ontario,Canada	46.7328N	80.9994W	372	
Sudbury	SUO	Ontario,Canada	46.4027N	81.0068W	252	
Sudbury	SZO	Ontario,Canada	46.4381N	81.4961W	312	From 1987-01-24
Sudbury	SWXO	Ontario,Canada	46.5971N	81.2778W	337	
Sudbury Onaping	SUNO	Ontario,Canada	46.6438N	81.3442W	369	
Sudden Peak, Lompoc	SDP	California,U.S.A.	34.5700N	120.5000W	631	From 2004-04-01 to 2006-08-15
Sud-Ghoubbet	SGH	Djibouti	11.4370N	42.6307E	700	From 1976-04-01
Sue Hot Springs	SOX	Nevada,U.S.A.	40.1017N	117.7167W	1198	
Suffern	SUFF	New York,U.S.A.	41.1583N	74.1092W	152	
Suffield	SES	Alberta,Canada	50.3958N	111.0420W	770	From 1966-05-11
Sufian	SFNV	Syria	36.4180N	40.1116E	810	From 2002-04-01
Sufi-Kurgan	SFK	Kyrgyzstan	40.0130N	73.5030E	2160	
Sugar Bowl	BOLM	Washington,U.S.A.	46.2154N	122.1747W	1859	From 2004-10-03
Sugar Island	SUG	Michigan,U.S.A.	46.5214N	84.1383W	190	From 1969-09-26 to 1972-08-09
Sugar Loaf	SLFW	Washington,U.S.A.	47.7589N	120.5278W	1750	
Sugarloaf Mountain West	SMWM	California,U.S.A.	36.0193N	117.8458W	1116	
Sugihara	SRJ	Gifu,Japan	36.4141N	137.1917E	440	
Sugihashi	SGJ	Fukui,Japan	35.6111N	136.1456E	210	
Suhut-Afyon	SHUT	Turkey	38.5530N	30.5511E	1215	From 2006-11-02
Sui-hua	SUI	Heilongjiang,China	46.6233N	126.9920E		
Sukabumi	SKJI	Jawa,Indonesia	7.0053S	106.5563E	100	From 2005-01-01
Sulaymaniyah	SLY	Iraq	35.6000N	45.5000E	912	
Sulen	SUE	Norway	61.0570N	4.7610E	10	From 1984-11-01
Sullivan	SLTN	Tennessee,U.S.A.	36.4432N	82.1205W	1280	
Sulphur Creek	SUL	New Britain,Papua New Guinea	4.2194S	152.1930E	9	
Sultana	SALT	Saudi Arabia	29.0230N	34.9080E	350	From 1993-07-01
Sultana	SULJ	Jordan	31.0867N	36.0767E	951	
Sultanhani-AKSARAY	SULT	Turkey	38.1988N	33.5156E	982	From 2008-01-04
Sultanice-Enez-Edirne	ENZZ	Turkey	40.6074N	26.1406E	7	From 2011-03-28
Sultan-Mazar	SMT	Tajikistan	38.4667N	70.0667E		
Sumara - IBB Gov. - Yemen	SMRH	Yemen	14.1840N	44.2570E	2990	From 2005-10-23
Sumiainen	SUF	Finland	62.7192N	26.1506E	185	
Sumiya	SMAJ	Jordan	32.1550N	35.7830E	565	From 1983-09-01 to 1985-12-16
Summer Lake	K05A	Oregon,U.S.A.	42.7258N	120.8934W	1887	From 2006-07-31 to 2009-01-08
Summer Shade	SSKY	Kentucky,U.S.A.	36.7955N	85.7925W	300	From 1983-04-21 to 1987-03-05
Summerton	SMA	South Carolina,U.S.A.	33.6283N	80.3181W	30	From 1974-05-20 to 1975-07-01
Summit	SUMG	Greenland	72.5763N	38.4538W	3275	
Summit Reservoir	SURI	Idaho,U.S.A.	44.3058N	113.4830W	2324	
Summit Valley	SVMT	Montana,U.S.A.	45.8822N	112.5710W	1914	From 1984-01-01 to 1987-10-21
Sumner High School ANSS-SMO	SMNR	Washington,U.S.A.	47.2044N	122.2327W	626	From 2001-07-17
Sumoto	SUM	Hyogo,Japan	34.3350N	134.9080E	110	
Sumqayit	SMGA	Azerbaijan	40.6050N	49.6410E	-21	
Sunasenri	SUNK	Kumamoto,Japan	32.8695N	131.0892E	1240	
SUNCHEON	KSSCH	South Korea	35.0649N	127.2408E	54	From 2006-12-30
Sundarnagar	SDNR	Himachal Pradesh,India	31.5000N	76.9700E	500	
Sundja	SNJR	Severo-Osetinskaya,Russia	43.0685N	44.8117E	671	From 2006-01-10 to 2010-06-20
Sunflower	SN-	Arizona,U.S.A.	33.8636N	111.6928W	884	From 1964-03-29 to 1965-10-04
Sunflower	SN-AZ	Arizona,U.S.A.	33.8636N	111.6928W	884	From 1964-03-29 to 1965-10-04
Sungai Dareh	SDSI	Sumatera,Indonesia	0.9324S	101.4282E	0	From 2007-12-01
Sun Moon Lake	SMLT	Taiwan region	23.8830N	120.8999E	1014	
Sunnyside	E07A	Washington,U.S.A.	46.5585N	119.8548W	561	From 2006-08-29 to 2008-12-03
Sunnyside	SUN	Utah,U.S.A.	39.6167N	110.4000W		
Sunnyside Mine	SMU	Utah,U.S.A.	39.6000N	110.3820W	1981	From 1962-01-01 to 1968-12-31
Sunol Dilatometer	CSU1	California,U.S.A.	37.6430N	121.9402W	499	
Sunset Crater	SCN	Arizona,U.S.A.	35.3689N	111.5430W	2111	From 1970-07-20
Sunset Lake	SSL	Pennsylvania,U.S.A.	41.1612N	74.9160W	259	From 1973-02-13 to 1976-05-31
Sunset Peak	SSK	California,U.S.A.	34.2107N	117.6930W	1683	
Sunshine	SSH	Alaska,U.S.A.	62.1667N	150.0780W	100	From 1971-08-01 to 1972-09-30
Sunshine Point	SNH	Alaska,U.S.A.	60.1800N	142.8380W	732	
Sunshine Ranch, Edgemont	J25A	South Dakota,U.S.A.	43.3901N	103.8026W	1220	From 2009-06-06
Superstition Mountain	SMTC	California,U.S.A.	32.9489N	115.7203W	3	
Superstition Mountain	SUP	California,U.S.A.	32.9552N	115.8240W	220	From 1973-04-16
Surbourg	SRBF	Alsace,France	48.9147N	7.8522E	200	
Surbourg	SUBF	Alsace,France	48.9156N	7.8481E	68	From 2009-06-01
Surduc	SDR	Romania	45.4889N	26.3831E	720	
Surhuizum	SUH1	Netherlands	53.2113N	6.2110E	21	From 2009-08-26
Surhuizum	SUH3	Netherlands	53.2113N	6.2110E	-39	From 2009-08-26
Surhuizum	SUH4	Netherlands	53.2113N	6.2110E	-69	From 2009-08-26
Surhuizum	SUH2	Netherlands	53.2113N	6.2110E	-9	From 2009-08-26
Surigao	SCPH	Mindanao,Philippines	9.7820N	125.4890E	49	
Surrey Hills	SHYM	Victoria,Australia	37.8260S	145.1100E	100	
Survey Creek	SURV	British Columbia,Canada	53.4033N	132.1250W	186	
Susaki	SUS	Shizuoka,Japan	34.6667N	138.9830E	3	
Susana Heights	SHMP	Philippines	14.3820N	121.0230E	80	
Susan B. English School	SBEA	Alaska,U.S.A.	59.4423N	151.7123W		
Susara	SSR	Romania	44.8633N	21.7433E	400	
Susara	SSA	Romania	44.8633N	21.7433E	400	
Susehri	SUSE	Turkey	40.2086N	38.2025E	1586	From 2008-06-25
Susitna	SST	Alaska,U.S.A.	61.4347N	150.7800W	780	From 1971-08-24 to 1972-08-15
Susitna One	SUA	Alaska,U.S.A.	61.4638N	150.7430W	1297	From 1972-08-15
Sussex County Emergency Operations Center	SCOM	Delaware,U.S.A.	39.6957N	75.3627W	12	
Susuman	SUUS	Magadanskaya Oblast',Russia	62.7786N	148.1672E	640	
Susurluk	SLK	Turkey	39.8711N	28.1450E	147	From 1979-12-01 to 1999-08-25
Sutcliffe	SC-NV	Nevada,U.S.A.	39.8739N	119.6408W	1341	
Sutcliffe	SC-	Nevada,U.S.A.	39.8739N	119.6408W	1341	
Sutherland	SUR	Cape Province,South Africa	32.3800S	20.8117E	1760	
Sutluce-Isparta	SUTC	Turkey,Turkey	37.4765N	30.9996E	1300	From 2008-04-02
Sutter Butte	SUTB	California,U.S.A.	39.2291N	121.7861W	252	From 2005-05-17 to 2007-09-05
Sutter Buttes	OSUM	California,U.S.A.	39.2712N	121.8520W	67	From 1976-04-01
Sutton Inlier	SILO	Ontario,Canada	54.4792N	84.9126W	195	
Suttsu	SUT1	Shiribeshi,Japan	42.7933N	140.2283E	33	From 1989-09-22
Suttsu	SUT	Shiribeshi,Japan	42.7900N	140.2400E	16	
Sut uroy	FSD	Faeroe Islands	61.5701N	6.7884W		
Suurupi	SRPE	Estonia	59.4633N	24.3800E	42	
Suva	SUV	Fiji	18.1489S	178.4570E	6	From 1913-01-01 to 1971-06-30
Suva	SVA	Fiji	18.1167S	178.4580E	38	From 1976-07-01
Suvo	SYVR	Buryatiya,Russia	53.6581N	109.9989E	490	
Suwalki	SUW	Poland	54.0125N	23.1808E	152	From 1995-11-05
Suwon	KSSWO	South Korea	37.2669N	126.9669E	56	From 2002-11-06
Suzu	JSZ	Ishikawa,Japan	37.4483N	137.3633E	10	
Suzuyama	JSU	Kagoshima,Japan	31.5058N	130.4550E	400	
Svangstu Ranch, Noonan	A25A	North Dakota,U.S.A.	48.9388N	103.1128W	584	From 2009-07-24
Svanoeiden	SVAU	Sweden	64.4940N	19.5750E	100	From 2000-09-08
Svartarkot	ISVA	Iceland	65.3370N	17.2550W	403	From 1998-07-27

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sverdlovsk	SVE	Sverdlovskaya Oblast',Russia	56.8270N	60.6370E	275	
Svilajnac	SVIS	Serbia	44.2655N	21.2152E	117	From 1997-10-14
Svinoy	FSV	Faeroe Islands	62.2598N	6.3550W		
Swabi-Maira	SWR	Pakistan	34.1303N	72.8498E	489	
Swamp Creek	SWP	Montana,U.S.A.	48.6068N	114.9850W	1157	From 1971-02-01 to 1976-10-04
Swan Island	SWA	Swan Islands,Honduras	17.4000N	83.9333W		
Swan Lake	C14A	Montana,U.S.A.	47.7687N	113.7468W	1173	From 2006-10-03 to 2009-08-08
Swan Pond Ditch	SPIN	Indiana,U.S.A.	38.5400N	87.6069W	122	
Swansea	HSA	Wales,United Kingdom	51.7478N	4.1543W	274	From 1987-01-01
Swanson's Bluff	BSBM	California,U.S.A.	36.7378N	121.2870W	398	From 1975-06-25
Swan View	SWV	Western Australia,Australia	31.8833S	116.0650E	80	
Swartz Lake	SWMT	Montana,U.S.A.	47.5093N	113.9990W	1297	
Swaziland	SWD	Swaziland	26.4017S	31.7728E		From 1973-03-12 to 1976-03-20
Swaziland	SWL	Swaziland	26.3122S	31.1538E	0	
Sweetgrass	SW-	Montana,U.S.A.	48.9689N	111.9628W	1113	From 1965-10-16 to 1966-09-13
Sweetgrass	SW-MA	Montana,U.S.A.	48.9689N	111.9628W	1113	From 1965-10-16 to 1966-09-13
Sweet Springs	SSOR	Oregon,U.S.A.	44.8560N	122.4600W	1242	From 1991-09-01
Sweetwater, Wamsutter	M20A	Wyoming,U.S.A.	41.4906N	108.1865W	2134	From 2007-11-02
Swindon	SWN1	England,United Kingdom	51.5131N	1.8004W	192	From 1993-01-01
Swingate, Kent	SWG	England	51.1450N	1.3222E	122	From 2011-02-08
SW Tenn Gill Cnt	GILT	Tennessee,U.S.A.	35.2309N	89.9829W	0	
Sydney	SYD	New South Wales,Australia	33.8667S	151.2000E	43	From 1906-01-01 to 1948-12-31
Sydney Hard	SYDH	New South Wales,Australia	33.9297S	151.2243E	27	From 2010-08-01
Syktyvkar	SYKR	Komi	61.6708N	50.8247E	127	
Syncline Ridge	NYS	Nevada,U.S.A.	37.0325N	116.1690W	1509	From 1971-01-01 to 1973-01-31
Syowa Base	SYO	Dronning Maud Land	69.0088S	39.5921E	20	
Syston	KSY	England,United Kingdom	52.9642N	0.5873W	123	From 1988-01-01
Syuhurei	SYU	South Korea	36.2000N	128.0000E	100	
Szeged	SZE	Hungary	46.2483N	20.1414E	82	
Szhu	WSF	Taiwan region	23.6380N	120.2220E	6	
T5 Ranch, Ellsworth	L27A	Nebraska,U.S.A.	42.0837N	102.3154W	1186	From 2008-11-23
T a@11 Lat	DLVO	Vietnam	11.9652N	108.4815E	1550	From 1982-01-01
T a@11 Lat	DLV	Vietnam	11.9433N	108.4867E	1575	
Taal Volcano	CALP	Luzon,Philippines	13.9990N	121.0090E		
Tabaga	TBGR	Sakha,Russia	61.8210N	129.6370E	100	From 2003-06-24
Tabas	TABS	Iran	33.6490N	57.1190E	1106	From 2008-09-10
Tabasco	LJS	Tabasco,Mexico	17.9930N	93.4880W		
Tabat	TBTR	Krasnoyarskiy Kray,Russia	52.9291N	90.7201E	518	From 2005-05-27
Tabele	TBL	Papua New Guinea	4.1013S	145.0120E	180	From 1964-01-01
Tabernacle	TABN	New Jersey,U.S.A.	39.8642N	74.6628W	31	From 1977-06-17 to 1978-08-31
Tabernacle Mountain	TABB	British Columbia,Canada	51.7500N	117.7620W	2469	From 1972-10-18 to 1999-08-25
Table Mountain	TABL	Alaska,U.S.A.	60.4403N	141.1423W	2050	
Table Mountain	TBM	Washington,U.S.A.	47.1695N	120.5980W	1064	
Table Mountain	TMC	California,U.S.A.	34.3750N	117.6930W	2180	
Table Mountain	OTBM	California,U.S.A.	39.5457N	121.5610W	219	From 1975-09-06
Table Rock	TBR	New York,U.S.A.	41.1417N	74.2222W	261	From 1975-07-01
Tabri@18z	TAB	Iran	38.0675N	46.3267E	1430	From 1965-08-10
Tabriz	ITBZ	Iran	38.2333N	46.1470E	1650	From 1995-08-01
Tabubil	TZZ	Papua New Guinea	5.2681S	141.2210E	700	From 1977-11-16
Tabubil	OKTD	Papua New Guinea	5.3484S	141.2917E	518	From 1994-01-01
Tabuk	TBKS	Saudi Arabia	28.2200N	36.5400E	295	
Taburiente	TBT	Canary Islands,Spain	28.6794N	17.9145W	180	From 1974-11-01
Tacana	TCG	Guatemala	15.1228N	92.0858W	3100	From 1986-07-01
Ta-ch'eng	WTCT	Taiwan region	23.8640N	120.2810E	4	
Tachien	TWT	Taiwan region	24.2533N	121.1758E	1510	From 1973-10-04
Tacoma Substation	TBPA	Washington,U.S.A.	47.2581N	122.3669W	2	
Tacubaya	TAC	Mexico D.F.,Mexico	19.4050N	99.1936W	2297	
Tadjoura	TDJ	Djibouti	11.7955N	42.8888E	60	From 1972-04-01 to 1979-08-31
Tadjoura Ara	TDD	Djibouti	11.8037N	42.9070E	110	From 1979-09-01
Tadotsu	TAD	Kagawa,Japan	34.2833N	133.7670E	4	
Tadoussac	TADQ	Quebec,Canada	48.1437N	69.7184W	46	From 1979-05-24
Taebaek	KSTBA	South Korea	37.1226N	128.9523E	802	From 2006-12-30
Taegu	TAE	South Korea	35.8667N	128.6000E	50	
Taejon	TJN	South Korea	36.3772N	127.3638E	60	
Tafers	STAF	Switzerland	46.8052N	7.2161E	650	From 2008-04-16
Taforalt	TAF	Morocco	34.8142N	2.4142W	820	From 1972-11-01
Taft	TF-	California,U.S.A.	35.1636N	119.9675W	793	From 1962-05-23 to 1965-11-13
Taft	TF-CL	California,U.S.A.	35.1636N	119.9675W	793	From 1962-05-23 to 1965-11-13
Taga	JTG	Shiga,Japan	35.1867N	136.3217E	160	
Tagaytay City	TGY	Luzon,Philippines	14.1022N	120.9367E	600	From 1991-01-01
Tagbilaran	TBP	Cebu,Philippines	9.6910N	123.8620E	120	
Tagebau Bergheim	BD02	Nordrhein-Westfalen,Germany	50.9679N	6.6743E	115	From 2001-01-01 to 2007-08-29
Taghat	TGT	Morocco	34.0700N	5.0550W	820	From 1993-01-01
Taghi Ghambar	TGI	Iran	32.9633N	59.1933E	1800	From 1975-05-01
Tahiti	TAH	Tahiti,French Polynesia	17.7333S	149.3000W		
TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	I26TP	Tahiti	17.7493S	149.2958W	117	From 2000-03-11
Tahkenitch	TAKO	Oregon,U.S.A.	43.7435N	124.0812W	46	
Tahtakopru-Hatay	TAHT	Turkey	36.3757N	36.1852E	266	From 2009-10-19
Tahuroa Road	TOZ	North Island,New Zealand	37.7308S	175.5019E		
Tai'an	TIA	Shandong,China	36.2114N	117.1240E	300	
Taichung	TCU	Taiwan region	24.1475N	120.6760E	84	
Taichung Port	TCUP	Taiwan region	24.2560N	120.5230E	0	From 2001-04-10
Taif	TAF1	Saudi Arabia	21.2830N	40.3500E	2500	From 1995-04-01
Taimali	ECL	Taiwan region	22.5970N	120.9540E	70	
Tainan	TAI	Taiwan region	22.9952N	120.1970E	14	
Tainan City	TAI2	Taiwan region	22.9870N	120.2100E	30	From 1999-08-04
Taipei	TATO	Taiwan region	24.9754N	121.4880E	53	From 1976-05-13
Taipei	TAP	Taiwan region	25.0393N	121.5060E	6	
Taipei	TAP1	Taiwan region	25.0390N	121.5230E	-80	
Taitung	TTN	Taiwan region	22.7540N	121.1470E	9	
Taivalkoski	KU2	Finland	65.7096N	28.2300E	290	From 2003-11-05
Taiyuan	TIY	Shanxi,China	37.7131N	112.4340E	850	
Taiyuan	TYN	Shanxi,China	37.7867N	112.5900E		
Ta'izz	TAIZ	Yemen	13.5680N	44.0470E	0	
Takachiho West	KV11	Kagoshima,Japan	31.8839N	130.8989E	980	
Takada	TKD	Niigata,Japan	37.1050N	138.2500E	15	
Takada	TKJ	Niigata,Japan	37.1280N	138.2100E	40	From 1971-01-01
Taka-dake	TAKK	Kumamoto,Japan	32.8787N	131.1015E	1450	
Takaka	TAK	South Island,New Zealand	40.8500S	172.8000E	8	From 1931-01-01 to 1951-12-31
Takamatsu	TKM	Kagawa,Japan	34.3150N	134.0567E	10	
Takane	TKN	Gifu,Japan	35.9824N	137.5122E	1310	
Takapari Road	TSZ	North Island,New Zealand	40.0603S	175.9609E	547	From 2004-01-27
Takarajima	JTAJ	Ryukyu Islands,Japan	29.1532N	129.2030E	35	From 2010-02-01
Takato	JNT	Yamanashi,Japan	35.8750N	138.1380E	1180	From 1995-04-01
Takayama	TKY	Gifu,Japan	36.1533N	137.2567E	560	
Takayama	TAKN	Gifu,Japan	36.1328N	137.1842E	700	
Takayasuyama	TKU	Osaka,Japan	34.6117N	135.6600E	472	
Takazaki	JTZ	Miyazaki,Japan	31.9012N	131.0880E	170	
Takazawasan	TKZ	Gifu,Japan	35.5430N	136.9754E	260	
Take-yama	TKE	Kanagawa,Japan	35.2170N	139.6669E	112	
Talagante	TACH	Santiago,Chile	33.6532S	70.9376W	440	From 1982-01-01
Talang	TLN	Sumatera,Indonesia	1.0000S	100.5000E		
Tala Pozo	TPA	Santiago del Estero,Argentina	27.8217S	64.2450W	177	
Talara	TAL	Peru	4.6317S	81.3067W	40	
Talasea	TLS	New Britain,Papua New Guinea	5.3097S	150.0450E	40	From 1972-09-01
Talaya	TLY	Irkutskaya Oblast',Russia	51.6807N	103.6438E	579	
Talaya	TLAR	Magadanskaya Oblast',Russia	61.1297N	152.3978E	730	
Talbingo	TAO	New South Wales,Australia	35.6109S	148.2890E	570	From 1969-01-01
Talbot Arm	YUK4	Yukon Territory,Canada	61.3448N	138.6462W	2009	From 2010-08-29
Talbot Brook	WA3	Western Australia,Australia	32.0517S	116.6430E	276	From 1973-01-01
Talca	TALC	Maule,Chile	35.3980S	71.6340W	90	
Talchebab	TCHB	Syria	32.6692N	35.9688E	458	From 1995-02-01
Talcott Mountain	TMT	Connecticut,U.S.A.	41.8114N	72.7989W	290	From 1972-01-07 to 1977-06-10
Taldyqorghan	TDK	Kazakhstan	45.0060N	78.4050E	601	
Talgar	AA2	Kazakhstan	43.2300N	77.2300E		
Talgar	AAB	Kazakhstan	43.2300N	77.2300E		
Talgar	TLG	Kazakhstan	43.2300N	77.2300E	850	From 1994-07-27
Taliwang, Sumbawa	TWSI	Sumba,Indonesia	8.7381S	116.8821E	86	From 2008-12-01
Talkeetna Mountains	TLK	Alaska,U.S.A.	62.4938N	147.8780W	1719	From 1974-07-10 to 1975-11-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Talkin	BTA	England,United Kingdom	54.9057N	2.6844W	279	
Talladega	TDA	Alabama,U.S.A.	33.5417N	86.0247W	181	
Tallapoosa	TPMO	Missouri,U.S.A.	36.5400N	89.8520W	83	
Tallapoosa	TOPM	Missouri,U.S.A.	36.5259N	89.8885W	80	
Tallowa	TALM	New South Wales,Australia	34.7709S	150.3809E	290	
Tallowa Pump Stn	TALL	New South Wales,Australia	34.7334S	150.4615E	68	
Tall Timber Ranch, Leavenworth	C06A	Washington,U.S.A.	47.9230N	120.8944W	594	From 2006-09-13 to 2008-05-16
Talmassons	TLI	Italy	45.9217N	13.1019E	-49	From 1985-11-27
Taloyoak	SBNU	Nunavut,Canada	69.5405N	93.5571W	78	
Tamagu	JJT	Ryukyu Islands,Japan	26.1495N	127.7667E	188	
Tamagusuku 2	JJT2	Ryukyu Islands,Japan	26.1383N	127.7487E	40	
Tamana	JTA	Kumamoto,Japan	32.9637N	130.5328E	230	
Tamanrasset	TAM	Algeria	22.7917N	5.5233E	1395	From 1948-01-01
Tamaro	TMA	Switzerland	46.1060N	8.8730E	1700	From 1981-01-01 to 2002-01-02
Tamasi	PKS9	Hungary	46.5870N	18.2789E	240	
Tambak Boyo	TBJI	Jawa,Indonesia	6.8179S	111.8481E	0	From 2007-12-01
Tambo	TAMB	Ecuador	0.6942S	78.3680W	4160	From 1990-08-10
Tam Dao	TDV	Vietnam	21.4647N	105.6457E	1200	
Tamdy-Bulak	TMD	Uzbekistan	41.7500N	64.6400E	273	
Tamitsa	TMCR	Arkhangel'skaya Oblast',Russia	64.1643N	38.0352E	23	From 2003-11-28
Tampico	TMX	Tamaulipas,Mexico	22.2550N	97.8506W	21	
Tamra	TAMR	Tunisia	37.0469N	9.1091E	93	From 2010-01-10
Tanabu	TNB	Aomori,Japan	41.2833N	141.2170E		
Tanaga Cape Sajaka	TACS	Alaska,U.S.A.	51.8632N	178.1394W	918	
Tanaga Falls Point	TAFP	Alaska,U.S.A.	51.9001N	177.9833W	440	
Tanaga Flats	TAFL	Alaska,U.S.A.	51.7566N	177.8978W	186	
Tanaga North	TANO	Alaska,U.S.A.	51.9157N	178.1208W	269	
Tanaga Point Aries	TAPA	Alaska,U.S.A.	51.8155N	177.8128W	640	
Tanaga Southeast	TASE	Alaska,U.S.A.	51.8350N	178.0370W	682	
Tana Glacier	TGL	Alaska,U.S.A.	60.7558N	142.8300W	1234	From 1988-07-01
Tanaharon	THRI	Bali,Indonesia	8.3694S	115.5430E	1000	
Tanaka	TKA	New Britain,Papua New Guinea	4.3449S	152.1780E	365	
Tanana	TNN	Alaska,U.S.A.	65.2567N	151.9120W	504	
Tananarive	TAN	Madagascar	18.9169S	47.5519E	1375	From 1973-01-01
Tana Toraja	TTSI	Sulawesi,Indonesia	3.0451S	119.8190E	0	From 2007-12-01
Tanbara	JET	Ehime,Japan	33.7788N	133.0487E	410	
Tanegashima	TAJ	Ryukyu Islands,Japan	30.7367N	130.9933E	17	From 1970-07-01
Tanegashima 2	TAJ2	Ryukyu Islands,Japan	30.6350N	130.9800E	280	From 1984-08-01
Tanegashima 3	JTN	Ryukyu Islands,Japan	30.6543N	130.9797E	240	
Tanete Lipujang	TANI	Sulawesi,Indonesia	3.4361S	119.3830E	230	
Tangerang	TNG	Jawa,Indonesia	6.1717S	106.6462E	14	
Tangkuban Prahu	TPJ	Jawa,Indonesia	6.7667S	107.6000E		From 1969-01-01 to 1999-08-25
Tanjungpandan	TPI	Sumatera,Indonesia	2.7563S	107.6534E	25	
Tanjung Pinang	TPRI	Sumatera,Indonesia	0.9184N	104.5263E	41	From 2005-01-01
Tanna	TANV	Vanuatu	19.5326S	169.2795E	100	
Tannan	TNJ	Kyoto,Japan	35.0314N	135.2136E	310	
Tannehill State Park	TSAL	Alabama,U.S.A.	33.2561N	87.0675W	180	
Tannenbergsthal	TANN	Sachsen,Germany	50.4149N	12.4616E	836	From 2000-12-19
Tanohata	JTH	Iwate,Japan	39.9387N	141.8637E	200	
Tanti	TCA	Cordoba,Argentina	31.3370S	64.5954W	1035	From 1980-01-03
Tanto	TTOK	Hyogo,Japan	35.5065N	134.9772E	190	
Tapachula	TLA	Chiapas,Mexico	15.0289N	92.2000W		
Tapachula	TPX	Chiapas,Mexico	14.9050N	92.2611W	150	From 1984-01-01
Tapini	TPN	Papua New Guinea	8.3569S	146.9840E	989	
Taplejung	TAPN	Nepal	27.3500N	87.7100E	2530	From 1994-04-01
Tapovan	TPVN	Himachal Pradesh,India	30.4964N	79.6113E	2110	From 2007-05-01
TAPS Pump St10	PS10	Alaska,U.S.A.	63.4233N	145.7684W	732	
TAPS Pump St11	PS11	Alaska,U.S.A.	62.0793N	145.4730W	377	
TAPS Pump St12	PS12	Alaska,U.S.A.	61.4754N	145.1438W	568	
TAPS Pump Stn	PS01	Alaska,U.S.A.	70.2582N	148.6108W	2	
TAPS Pump Stn4	PS04	Alaska,U.S.A.	68.4218N	149.3538W	851	
TAPS Pump Stn5	PS05	Alaska,U.S.A.	66.8114N	150.6619W	331	
TAPS Pump Stn6	PS06	Alaska,U.S.A.	65.8549N	149.7344W	280	
TAPS Pump Stn7	PS07	Alaska,U.S.A.	65.3106N	148.2791W	290	
TAPS Pump Stn8	PS08	Alaska,U.S.A.	64.5426N	146.8196W	320	
TAPS Pump Stn9	PS09	Alaska,U.S.A.	63.9303N	145.7659W	478	
TAPS TI Valdez	VMT	Alaska,U.S.A.	61.0832N	146.3673W	60	
Ta-pu	TPUB	Taiwan region	23.3005N	120.6296E	370	
Ta-pu	WTP	Taiwan region	23.2460N	120.6140E	560	
Tara	ETA	Ireland	52.6958N	6.2100W	140	From 1982-03-01
Taradale	TRZ	North Island,New Zealand	39.5533S	176.8210E	17	From 1962-05-01 to 1988-05-31
Taradale Trig	TTH	North Island,New Zealand	39.5413S	176.8260E	120	From 1987-03-19 to 2003-07-26
Tarade	TAG	Guadeloupe	16.0420N	61.6642W	1182	
Taragay, Kyrgyzstan	TARG	Kyrgyzstan	41.7291N	77.8048E	3528	From 2008-08-14
Tara Hills	THP	South Island,New Zealand	44.5450S	169.8880E	760	From 1975-06-01 to 1983-11-21
Tarakan	TARAI	Kalimantan,Indonesia	3.3271N	117.5703E	95	From 2000-01-01
Tarama	JTJ	Ryukyu Islands,Japan	24.6408N	124.7020E	7	
Taranto	TAR1	Italy	40.5259N	17.2843E	75	From 2009-09-01
Taranto	TAR	Italy	40.4750N	17.2583E	15	
Taranto	TA1	Italy	40.4096N	17.2833E		From 1977-01-01 to 1999-08-25
Taranto	TTI	Italy	40.4096N	17.2833E	20	From 1977-01-01 to 1999-08-25
Taraponui	TAHZ	North Island,New Zealand	39.1358S	176.7403E	1297	From 1987-03-01 to 1999-08-25
Tarata	TNZ	North Island,New Zealand	39.1872S	174.3800E	123	From 1962-05-01 to 1985-07-27
Taravao	TVO	Tahiti,French Polynesia	17.7825S	149.2517W	620	
Tarawa	TARA	Kiribati (Gilbert Islands),Kiribati	1.3549N	172.9229E	19	
Tarawera	TAZ	North Island,New Zealand	38.2331S	176.5080E	1037	From 1984-07-01
Taraz	DZA	Kazakhstan	42.8920N	71.3310E	631	
Tarbela	TRB	Pakistan	34.0828N	72.7157E	532	
Tardaria	ETAR	Sicily,Italy	37.6630N	15.0590E	940	From 2001-07-01
Targassone	TRGS	Languedoc-Rousillon,France	42.5022N	1.9667E	1700	
Tarifa	EXTA	Spain	36.0120N	5.6010W	28	
Tarija	TRJ	Bolivia	21.5131S	64.7761W	2100	
Tarpa	TRPA	Hungary	48.1304N	22.5391E	113	From 2006-11-01
Tarquinia - VT	TO06	Italy	42.2015N	11.8360E	96	From 2008-05-14 to 2009-04-02
Tarquinia - VT	TO07	Italy	42.2714N	11.7888E	188	From 2008-07-15 to 2009-10-18
Tarraleah	LEAH	Tasmania,Australia	42.3027S	146.4516E	590	
Tarraleah	TRR	Tasmania,Australia	42.3042S	146.4500E	579	From 1960-01-01 to 2009-09-03
Tartu	TTU	Estonia	58.3833N	26.7167E		
Tartu	TRTE	Estonia	58.3786N	26.7205E	100	
Tarutung	TRSI	Sumatera,Indonesia	2.0256N	98.9594E	979	From 2005-01-01
Tashiro 2	JTSR	Kagoshima,Japan	31.1663N	130.9217E	430	
Tashkent	TAS	Uzbekistan	41.3250N	69.2950E	470	
Tashtagol	TASR	Kemerovskaya Oblast',Russia	52.7600N	87.8800E	530	
Taskesti	BTAS	Turkey	40.5706N	30.9999E	732	From 2009-11-20
Taslik	TST	Turkey	40.2483N	28.3733E	35	From 1978-11-01 to 1999-08-25
Tasmania University	TAU	Tasmania,Australia	42.9099S	147.3200E	132	From 1957-01-01
Tasoluk	AYDN	Turkey	37.6608N	27.8792E	716	From 2002-12-20
Tasu	TSB	British Columbia,Canada	52.7650N	132.0330W	30	From 1984-04-13
Tatalina	TTL	Alaska,U.S.A.	62.8986N	155.9760W		
Tatalina	TTA	Alaska,U.S.A.	62.9301N	156.0120W	990	
Tatalina	TT01	Alaska,U.S.A.	62.9066N	156.0204W	380	
Tatama	TATC	Colombia	5.1267N	75.9969W	2200	
Tataouine	TATN	Tunisia	32.5787N	10.5295E	550	From 2010-01-10
Tateyama	TAT	Chiba,Japan	34.9833N	139.8680E	6	
Tateyama	TYM	Chiba,Japan	34.9708N	139.8481E	30	
Tateyama 2	TATJ	Chiba,Japan	35.0317N	139.8902E	40	From 1990-05-10
Tathlith	TATS	Saudi Arabia	19.5416N	43.4773E	1123	
Tatla Lake BC	TALB	British Columbia,Canada	52.0147N	124.2536W	1122	From 2006-08-28
Tatong	TATM	Victoria,Australia	36.7747S	146.1061E	342	
Tatsuka	TATH	Iburi,Japan	42.5305N	140.8838E	140	
Tatum	Z27A	New Mexico,U.S.A.	33.3150N	103.2145W	1197	From 2008-04-17
Tatum Dome	TQ-MS	Mississippi,U.S.A.	31.1328N	89.5711W	130	
Tatvan	TATV	Turkey	38.5080N	42.2672E	1831	From 2006-10-19
Tau Lekoa	TLEK	South Africa	26.9620S	26.6710E	1307	From 2008-06-30
Tau Lekoa	TAUL	Transvaal,South Africa	26.9960S	26.6090E	1350	From 2008-04-07
Taunus Mts	TNS	Hessen,Germany	50.2225N	8.4473E	815	From 1913-01-01
Tauranga	TGRZ	North Island,New Zealand	37.7308S	176.2605E	140	
Taurewa	TWVZ	North Island,New Zealand	39.0725S	175.4375E	1050	From 2004-05-18
Tautenburg	TAUT	Thuringen,Germany	50.9816N	11.7107E	330	From 2008-05-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tauwhareparae	TWGZ	North Island,New Zealand	38.1767S	177.9804E	687	From 2009-12-09
Tauyuan	STYT	Taiwan region	23.1630N	120.7570E	640	
Tavernes	TAVF	Provence-Cote d'Azur,France	43.6173N	6.0578E	689	From 1982-11-01
Taveuni	TVI	Fiji	16.9259S	179.9590E	814	From 1981-11-01
Tavil'dara	TDT	Tajikistan	38.6833N	70.4833E	1670	
Tavsanli	TVSB	Turkey	39.4497N	29.4615E	1090	From 2009-02-12
Tavurvur	TAV	New Britain,Papua New Guinea	4.2312S	152.2200E	31	From 1967-01-01
Tawau	TSM	Sabah,Malaysia	4.2936N	117.8725E	62	
Tawu	TAW	Taiwan region	22.3576N	120.8960E	8	
Tawu	TWJ1	Taiwan region	22.3696N	120.8838E	150	From 1978-01-13
Tayabas	TAY	Luzon,Philippines	13.8990N	121.8660E	300	
Tayabas	TQP	Luzon,Philippines	13.8989N	121.8660E	300	
Tayfur-Gelibolu	GELI	Turkey	40.3980N	26.4741E	129	From 2008-07-05
Taylor	CTAM	California,U.S.A.	38.0269N	122.0160W	152	
Taylor	NTYM	California,U.S.A.	38.3895N	122.6620W		
Taylor Farm	CTFL	California,U.S.A.	37.6463N	121.6720W	295	From 1981-01-01
Taylor Mountain	NTMM	California,U.S.A.	38.3858N	122.6800W	105	From 1970-08-14
Taylor Mountain	TMI	Idaho,U.S.A.	43.3056N	111.9180W	2179	
Taylor Ranch	PTYM	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylor Ranch	PK3	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylor Ranch	TRC	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylorsville	TVNC	North Carolina,U.S.A.	36.0331N	81.2131W	731	
Tayyib Ism	TAYS	Saudi Arabia	28.5511N	34.8717E		
Tazeka	TZK	Morocco	34.0890N	4.1840W	1980	From 1993-01-01
Tazercounte	TZC	Morocco	32.1480N	6.4900W	1700	
Tazewell	TZTN	Tennessee,U.S.A.	36.5439N	83.5490W	394	
Tazlina	TZL	Alaska,U.S.A.	62.0445N	145.4240W	366	From 1990-07-01
T'bilisi	TIF	Georgia	41.7167N	44.8000E	399	From 1899-01-01 to 1978-12-31
Tbilisi Sea	SEAG	Georgia	41.7643N	44.8034E	607	From 2003-01-01
Tchakhmakh	TCHZ	Armenia	40.9000N	43.7000E	1860	
Teanaway	TWW	Washington,U.S.A.	47.1381N	120.8680W	1046	From 1986-10-01
Teasdale	R16A	Utah,U.S.A.	38.2843N	111.4827W	2202	From 2007-06-26 to 2009-03-10
Tea Tree Gully	UTT	South Australia,Australia	34.8215S	138.7367E	300	
Te Atua	TEHZ	North Island,New Zealand	39.9894S	176.8111E	407	From 1987-03-01 to 1999-08-25
Tecamachalco	TCPM	Puebla,Mexico	18.8900N	97.6894W		
Tecapa	TCPZ	El Salvador	13.4890N	88.5070W	1594	
Techi	TDCB	Taiwan region	24.2531N	121.1583E	1295	
TEC LaTrobe	TECM	Victoria,Australia	37.7245S	145.0555E	156	
Tecnologico de Monterrey	TMM	Nuevo Leon,Mexico	25.7505N	100.2029W	585	
Tecnologico de Monterrey 2	TMM2	Nuevo Leon,Mexico	25.6992N	100.2663W		
Tecolote Peak, Malaga	226B	New Mexico,U.S.A.	32.0778N	104.1654W	981	From 2009-02-21 to 2010-02-17
Tecomasuche	TME	El Salvador	14.0169N	89.3556W	516	
Tecpan	TEP	Guatemala	14.7878N	90.9715W	1640	From 1978-06-01
Tecpan 2	TP2	Guatemala	14.7833N	91.0213W	3075	From 1982-01-01
Tecpatan	TCX	Chiapas,Mexico	17.1330N	93.2950W	471	From 1979-12-01
Teekin	TEK	Tonga	21.1297S	175.3220W	20	From 1970-10-01
Teeli	TEL	Tyva,Russia	51.0200N	90.2000E	980	
Teeples Ranch	TEE	Montana,U.S.A.	48.3795N	115.5880W	805	From 1971-02-01 to 1976-10-04
Tegal	TGJI	Jawa,Indonesia	6.8679S	109.1210E	44	From 2005-01-01
Tegucigalpa,Univ of Honduras	TGUH	Honduras	14.0570N	87.2730W	0	
Tehachapi Microwave	THC	California,U.S.A.	34.9087N	118.6630W	1718	
Tehra@18n	THR	Iran	35.9080N	51.1260E	2050	From 2000-08-01
Tehran	TEH	Iran	35.7367N	51.3817E	1462	
Tehran--Karaj	THKV	Iran	35.9157N	50.8788E	1795	From 1999-04-24
Tehuac#an	TPIG	Mexico	18.4195N	97.3617W	1488	From 2002-10-10
Tejag	ITEG	Iran	32.8965N	58.7488E	1745	From 2005-12-01
Tejeda	ATEJ	Spain	36.9150N	4.0140W	1480	
Tejon Ranch	TJR	California,U.S.A.	35.0275N	118.7430W	439	
Te Kaha	HAZ	North Island,New Zealand	37.7561S	177.7826E	81	From 2010-01-14
Te Karaka	TKGZ	North Island,New Zealand	38.4392S	177.8485E	157	From 2010-03-13
Tekeris	TEKS	Serbia	44.5492N	19.5287E	500	From 2008-12-29
Tekirdag	SART	Turkey	40.6889N	27.1800E	800	From 1997-02-27
Tekirdag	TKR	Turkey	40.9902N	27.5357E	140	
Tekirdag	TDAG	Turkey	40.9903N	27.5344E	148	From 1996-04-01 to 1997-02-26
Tekketepe	TKTP	Turkey	38.0400N	30.3200E	1788	From 1996-04-01
Telchick Spring	TCSI	Idaho,U.S.A.	43.6193N	113.4780W	1731	From 1992-01-01
Telegraph Cove	TLCB	British Columbia,Canada	50.5465N	126.8345W	10	From 2004-12-20
Telegraph Creek	TCBC	British Columbia,Canada	57.9231N	131.2820W	1356	From 1989-10-10
Telica	TELN	Nicaragua	12.6042N	86.8313W	850	
Telica 3	TEL3	Nicaragua	12.5722N	86.8448W	300	
Tellico Plains	TLT	Tennessee,U.S.A.	35.3011N	84.2833W	512	
Telus,Franklin R.	TFRB	British Columbia,Canada	48.9332N	124.6363W	0	From 2004-05-28
Tema	TEGH	Ghana	5.6367N	0.0014W	14	From 1987-01-01
Te Maipa	TMWZ	North Island,New Zealand	41.1083S	175.8903E	529	From 2007-04-20
Temblor Range Southeast	TMB	California,U.S.A.	35.0873N	119.5350W	1021	From 1976-06-01
Temiscaming	JBBQ	Quebec,Canada	46.7751N	78.9632W	278	From 2001-12-04
Temiscaminque	MLQ2	Quebec,Canada	46.6814N	78.9907W	299	
Temiskaming	TMK	Quebec,Canada	46.6667N	79.0667W		
Tempiute Mountain	TPU	Nevada,U.S.A.	37.6046N	115.6496W	1964	
Temuco	TEM	Cautin,Chile	38.7750S	72.6056W		From 1965-09-01 to 1999-08-25
Temuco	TMU	Cautin,Chile	38.7344S	72.6006W	100	From 1974-04-01
Temuco	TMCH	Chile	38.7490S	72.6164W	100	
Tena	TENA	Ecuador	0.7327S	77.7622W	1161	From 1994-09-21
Tende	OG23	Rhone-Alpes,France	44.1162N	7.6185E	930	From 1989-06-26
Tendick Farm, Oakridge	I04A	Oregon,U.S.A.	43.7941N	122.4113W	731	From 2006-11-03 to 2007-11-01
Tenerife	CTFE	Canary Islands,Spain	28.4794N	16.2622W	270	From 1983-01-01
Tenerife	TEN	Canary Islands,Spain	28.4643N	16.2454W	1	From 1952-01-01 to 1983-01-31
Tenhult	TNU	Sweden	57.6380N	14.2690E		From 1980-01-01 to 1991-12-31
Tenkes	RHK3	Hungary	45.8885N	18.2521E	420	
Tenmabayashi	JTM	Aomori,Japan	40.7868N	141.0682E	130	
Ten Mile Ranch, Cody	K28A	Nebraska,U.S.A.	42.7136N	101.3665W	986	From 2009-06-03
Tennant Creek	WRAB	Northern Territory,Australia	19.9333S	134.3500E	366	From 1994-03-27
Tennessee City	TCT	Tennessee,U.S.A.	36.0053N	87.5528W	245	From 1988-03-10
Tennyson Woods	TWOA	South Australia,Australia	35.0325S	138.5781E	165	From 1978-04-01
Tenryu	TNRJ	Shizuoka,Japan	34.9078N	137.8850E	66	From 1979-04-01
Teolo	TEOL	Italy	45.3600N	11.6700E	370	
Teotitlan	TEO	Oaxaca,Mexico	18.1382N	97.0752W	1060	
Tepee Creek	TPMT	Montana,U.S.A.	44.7298N	111.6660W	2518	From 1992-10-12
Tepee Creek (NFS), Magee	C11A	Idaho,U.S.A.	47.8397N	116.2557W	914	From 2007-08-28 to 2009-07-18
Tepelena	TPE	Albania	40.2952N	20.0109E	251	From 1984-04-01
Tepich	TEIG	Yucatan,Mexico	20.2263N	88.2764W	69	
Tepoztlan	TPM	Morelos,Mexico	18.9833N	99.0617W	1500	
Tequesquite Ranch, Mosquero	V26A	New Mexico,U.S.A.	35.7964N	103.7860W	1362	From 2008-05-10
Teramo	TERO	Italy	42.6228N	13.6039E	673	From 2003-11-20
Ter de Rio Valdez	TRVA	Tierra del Fuego,Argentina	54.6803S	67.3395W	240	
Terek-Say	TRKS	Kyrgyzstan	41.5300N	71.1400E	1640	
Teren Tiev Lake	TTV	Alaska,U.S.A.	61.0548N	147.1210W	533	From 1984-09-18
Terepaima	TEPV	Venezuela	9.9637N	69.1917W	470	From 2002-11-21
Teresina	TRSB	Piaua,Brazil	4.8700S	42.7100W	125	
Terlingua Ranch, Terlingua	627A	Texas,U.S.A.	29.4528N	103.3887W	1163	From 2008-03-08 to 2010-02-08
Terme di Santa Lucia (Busana) - RE	RE05	Italy	44.4018N	10.3270E	1007	From 2008-12-28 to 2009-02-12
Termini	ISOR	Italy	40.5820N	14.3350E	497	From 1976-01-01
Ternate	TNTI	Moluccas,Indonesia	0.7718N	127.3667E	43	From 2007-01-05
Ternate	TNE	Moluccas,Indonesia	0.7860N	127.3690E	0	
Ternei	TEY	Primorskiy Kray,Russia	45.0360N	136.6030E	50	From 1982-02-01
Terradas	ETER	Spain	42.3015N	2.8555E	238	From 1988-03-01
Terra Mystica	MYKA	Austria	46.6299N	13.6416E	909	From 2006-12-13
Terranera (Rocca di Mezzo)	RM16	Italy	42.2347N	13.5321E	1311	From 2009-04-08 to 2009-05-25
Terranova	TER	Guatemala	14.3023N	90.6837W	560	From 1975-03-01
Terranova Bay	TNV	Victoria Land	74.6950S	164.1240E	40	
Terranova Sibari	TDS	Italy	39.6589N	16.3378E	270	
Terraza Guagua	TERV	Ecuador	0.1743S	78.6043W	4228	
Terre Adelie	TAA	Terre Adelie	66.8178S	141.3950E	8	
Terre Haute	THI	Indiana,U.S.A.	39.4069N	87.3600W	150	From 1962-09-21
Terry Harris R'ch	CTHM	California,U.S.A.	37.6680N	121.6557W	344	
Terskaya	TRKR	Severo-Osetinskaya,Russia	43.7233N	44.7321E	141	From 2005-08-09
T"s	PKST	Hungary	47.2590N	18.0343E	473	From 2007-05-31
Teshikaga	TES	Kushiro,Japan	43.4836N	144.4028E	230	
Tesla Road	CTLM	California,U.S.A.	37.6573N	121.6440W	458	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tesuque Peak	TSP	New Mexico,U.S.A.	35.7853N	105.7810W	3664	From 1973-10-14
Tete	TET	Mozambique	16.1467S	33.5768E	153	From 1970-12-01
Tete Morne	DTMT	Dominica	15.2330N	61.3520W	496	
Tetilla Peak	TTP	New Mexico,U.S.A.	35.6094N	106.2060W	2103	From 1973-10-01
Tetitlan	TETM	Guerrero,Mexico	17.1617N	100.6305W	50	
Teton Pass	TPAW	Wyoming,U.S.A.	43.4901N	110.9510W	2512	From 1986-01-01
Texada	TXB	British Columbia,Canada	49.6969N	124.4360W	515	From 1984-01-14
Tezpur	TZR	Assam,India	26.6333N	92.8000E		
Thala	THTN	Tunisia	35.5616N	8.6881E	1095	From 2010-01-10
Thala	THA	Tunisia	35.5603N	8.6997E	1080	
Thalero	THAL	Greece	38.0372N	22.6631E	129	From 2008-06-14
Thallon Road	WTRQ	Queensland,Australia	27.5286S	152.4640E		From 1985-05-23
Thamme Wali	THW	Pakistan	32.7943N	71.7427E	533	
Thanh Hoa	THV	Vietnam	19.8508N	105.7820E	0	From 2001-01-01
The Bluff, Cayman Brac	CBCY	Cayman Islands	19.7380N	79.7583W	31	From 2011-01-01
The Citadel Site 1	C1SC	South Carolina,U.S.A.	32.7983N	79.9590W	5	
The Citadel Site 2	C2SC	South Carolina,U.S.A.	32.7993N	79.9643W	2	
The Dalles	VTDM	Oregon,U.S.A.	45.5453N	121.3110W	305	
The Heights School	THS	South Australia,Australia	34.7417S	138.7733E	340	
Thein Dam	THN	Himachal Pradesh,India	32.4333N	75.7167E		
The Old Anderson's Place, Rush Valley	O15A	Utah,U.S.A.	40.2807N	112.4694W	1611	From 2007-06-28 to 2009-04-08
The Paps	APZ	Stewart Island,New Zealand	46.8334S	167.9888E	601	From 2006-05-08
The Promontory	YTP	Wyoming,U.S.A.	44.3918N	110.2850W	2384	
Thera Island	THR1	Greece	36.3705N	25.4593E	550	From 2004-02-01
Thermopolis	TL-WY	Wyoming,U.S.A.	43.3917N	108.0881W	1615	
Thessaloniki	THE	Greece	40.6322N	22.9650E	70	From 1981-01-01
They Montfort	THEF	Lorraine,France	48.2268N	5.9863E	469	
Thira Island, Akrotiri	THR6	Greece	36.3562N	25.3975E	119	From 2004-02-01
Thira Island, Kera	THR5	Greece	36.4172N	25.3479E	180	From 2004-02-01
Thira Island, Nea Kammeni	THR3	Greece	36.4091N	25.4008E	71	From 2004-02-01
Thira Island, Oia	THR4	Greece	36.4600N	25.3974E	220	From 2004-02-01 to 2009-09-01
Thira island, Vourvoulos	THR2	Greece	36.4468N	25.4353E	220	From 2008-05-31
Thirsty	NT13	Nevada,U.S.A.	37.1570N	116.6670W	1628	
Thirsty Canyon	TCNV	Nevada,U.S.A.	37.1416N	116.7214W	1471	From 1984-11-02 to 2002-12-10
Thompson	CTOM	Ohio,U.S.A.	41.6917N	81.1473W	387	
Thompson Grove	U27A	Texas,U.S.A.	36.4213N	102.8246W	1342	From 2009-04-15
Thompson Ridge	KTRM	California,U.S.A.	41.9087N	123.3760W	1378	
Thomson	TOMM	Victoria,Australia	37.8085S	146.3497E	932	
Thorn Acres	CTHA	Ohio,U.S.A.	41.5422N	81.1108W	362	
Thornton Park	SATS	California,U.S.A.	33.7078N	117.8910W	-370	From 1987-02-01
Thorofare Mountain	TRF	Alaska,U.S.A.	63.4510N	150.2870W	1717	From 1989-08-01
Three Chop Ridge	GTC	California,U.S.A.	39.3994N	123.5553W	369	
Three Creek Meadows	TCO	Oregon,U.S.A.	44.1075N	121.6000W	1975	From 1987-08-27
Three Creeks Reservoir	TCRU	Utah,U.S.A.	38.6095N	112.4472W	2293	From 2009-11-17
Three Point Mountain	TID	Idaho,U.S.A.	43.5000N	115.9330W		
Three Points, Tucson	216A	Arizona,U.S.A.	32.0022N	111.4574W	908	From 2007-03-02 to 2008-12-09
Three Sisters	THRC	California,U.S.A.	34.5532N	117.7183W	1025	
Three Sisters--Wife	WIFE	Oregon,U.S.A.	44.0597N	121.8175W	1955	
Thule	TULEG	Greenland	76.5374N	68.8237W	38	
Thule	TE-	Greenland	76.4972N	68.6056W	213	From 1965-10-12 to 1965-11-15
Thule	THU	Greenland	76.4167N	68.3000W	485	
Thule	TE-GL	Greenland	76.4972N	68.6056W	213	From 1965-10-12 to 1965-11-15
Thule	THULE	Greenland	76.5567N	68.6750W	275	
Thunder Bay	TBO	Ontario,Canada	48.6473N	89.4083W	468	From 1987-01-23
Thunder Mountain BC	THMB	British Columbia,Canada	52.5489N	124.1323W	1126	From 2006-08-27
Tianjin	TIE	Hebei,China	39.1333N	117.2670E	20	
Tianshui	TNH	Gansu,China	34.5783N	105.7520E		
Tiarei	TIAR	Society Islands,French Polynesia	17.5578S	149.3458W	300	
Tiaret	ETRT	Algeria	35.3900N	1.3000E	1221	
Tiberkul'	TBRR	Krasnoyarskiy Kray,Russia	53.8832N	93.7438E	400	From 2004-06-08
Ticuantepe	TICN	Nicaragua	12.0335N	86.2317W	400	
Tiendilla	TLLA	Costa Rica	10.0045N	83.7737W	2677	
Tierras Morenas	AR3	Costa Rica	10.5869N	85.0350W	760	
Tifton	TIGA	Georgia,U.S.A.	31.4389N	83.5898W	109	From 2008-12-06
Tignish, PEI	TIGG	Prince Edward Island	47.0015N	63.0091W	8	From 2005-09-29 to 2007-11-05
Tigre	TIG	Costa Rica	9.0367N	83.2960W	690	From 1989-01-01
Tihany	TIH	Hungary	46.9000N	17.8930E	187	From 1987-01-01 to 1988-12-31
Tijuco Alta	RSTA	Parana,Brazil	24.6508S	49.0327W	248	From 1992-01-01
Tiksi	TIK	Sakha,Russia	71.6333N	128.8667E	41	
Tiksi	TIXI	Sakha,Russia	71.6490N	128.8665E	50	
Tilbrook Grange	KTG1	England,United Kingdom	52.3264N	0.4019W	83	From 1988-01-01
Tilden	834A	Texas,U.S.A.	28.1251N	98.5519W	151	From 2009-12-21
Tilichiki	TILR	Kamchatskaya Oblast',Russia	60.4310N	166.0560E	40	From 2005-05-02
Tilichiki	TILK	Kamchatskaya Oblast',Russia	60.4460N	166.1450E	25	From 2008-12-04
Tillmans-Whites Bay	TWB	South Carolina,U.S.A.	33.1147N	80.1030W	9	From 1988-03-01
Timbaki Heraklio	TMBK	Crete,Greece	35.0722N	24.7660E	17	From 2006-03-01
Timbered Crater	LTIM	California,U.S.A.	41.1761N	121.4888W	1156	
Timberline	TIMB	Oregon,U.S.A.	45.3356N	121.7101W	1901	From 2006-09-29
Timber Mountain	TMBR	Nevada,U.S.A.	37.0354N	116.3853W	1788	From 1982-02-19 to 2002-10-10
Timber Mountain	TMN	Nevada,U.S.A.	37.0836N	116.4440W	2190	From 1975-10-01
Timber West Blakeney	TWBB	British Columbia,Canada	48.5846N	124.0920W	122	
Timber West Granite	TWGB	British Columbia,Canada	48.6076N	124.2559W	127	
Timber West Koksilah	TWKB	British Columbia,Canada	48.6449N	123.7332W	128	
Timber West San Juan	TSJB	British Columbia,Canada	48.6013N	123.9885W	378	
Timisoara	TIM	Romania	45.7366N	21.2208E	88	From 1943-01-01
Timmins Ontario	TIMO	Ontario,Canada	48.4659N	81.3032W	392	From 2005-07-25
Timpagrande	TIP	Italy	39.1786N	16.7583E	815	
Tinaroo	TINA	Queensland,Australia	17.1761S	145.5304E	767	
Tin City	TNA	Alaska,U.S.A.	65.5606N	167.9239W	74	From 1976-08-01
Tin City	TCY	Alaska,U.S.A.	65.5663N	167.9558W	72	
Tinemaha	TIN	California,U.S.A.	37.0550N	118.2280W	1195	From 1929-09-04
Tinghir	MTNG	Morocco	31.4160N	5.5560W	550	From 1993-04-10
Tinkers Knob	TNK	California,U.S.A.	39.2675N	120.2360W	2438	From 1973-04-01
Tin Mountain	TMO	California,U.S.A.	36.8048N	117.4035W	2170	From 1978-11-28
Tintock	TIWZ	North Island,New Zealand	40.7778S	175.8855E	559	From 2006-05-03
Tiouine	TIO	Morocco	30.9267N	7.2617W	1335	From 1969-01-01
Tipaza	ATIP	Algeria	36.8833N	2.5000E	0	
Tipaza	ATPZ	Algeria	36.5300N	2.3100E	156	
Tippipah	TP-	Nevada,U.S.A.	37.2003N	116.2260W	2256	From 1961-12-06 to 1961-12-16
Tippipah	TP-NV	Nevada,U.S.A.	37.2003N	116.2261W	2256	
Tiptonville	TIPT	Tennessee,U.S.A.	36.4238N	89.4861W	88	
Tiptonville	DY3	Tennessee,U.S.A.	36.4430N	89.5069W	87	From 1969-01-01 to 1972-12-31
Tiputa	TPT	Tuamotu,French Polynesia	14.9844S	147.6200W	3	
Tirane	TIR	Albania	41.3477N	19.8650E	247	From 1968-09-01
Tirgusor	TIRR	Romania	44.4581N	28.4128E	77	
Tishomingo	TO-	Oklahoma,U.S.A.	34.3564N	96.5681W	259	From 1961-11-20 to 1962-06-09
Tishomingo	TO-OK	Oklahoma,U.S.A.	34.3564N	96.5681W	259	From 1961-11-20 to 1962-06-09
Tissa	TIS	Morocco	31.8920N	6.5540W	1687	
Tito	TITE	Italy	40.5546N	15.6926E	660	
Tizayuca	VTVM	Mexico D.F.,Mexico	19.7702N	98.7745W	2450	From 2009-01-01
Tjoern	TJOU	Sweden	58.0320N	11.6250E	40	From 2006-10-24
Tkibuli	TKB	Georgia	42.3511N	42.9947E	603	From 1970-01-01
Tkibuli	TKI	Georgia	42.3500N	43.0000E	320	
tl_alroos	ROOS	Syria	34.1694N	37.2891E	843	From 2004-01-01
Tlapa	TPG	Guerrero,Mexico	17.5607N	98.5555W	1100	
Tlapa	TLIG	Guerrero,Mexico	17.5627N	98.5665W	1136	
Tlapaneco	HMTT	Guerrero,Mexico	17.7983N	98.5597W	902	From 2009-02-16
Tlaxiaco	TXO	Oaxaca,Mexico	17.2817N	97.6817W	2025	
Tlemcen	OTLM	Algeria	34.8800N	1.3500W	801	
Tlemcen	TEC	Algeria	34.8500N	1.2833W		
T-Link Ranch, Clifton	Z19A	Arizona,U.S.A.	33.2921N	109.2657W	1397	From 2007-04-03 to 2009-01-17
TMO PEDROTE	TIOV	Venezuela	10.4385N	66.4146W	830	From 2005-11-01
Tnine Yamani	TSY	Morocco	35.3728N	5.9700W		
Toaza	TOAZ	Ecuador	0.1790S	78.6155W	4200	
Tobago	TOB	Trinidad and Tobago	11.1410N	60.8410W	15	From 1977-05-01 to 1999-08-25
Tobarra	ETOB	Spain	38.6447N	1.5478W	855	
Tobermory, Bruce Peninsula National Park	TOBO	Ontario,Canada	45.2257N	81.5234W	169	
Tobishima	TBS	Akita,Japan	39.1920N	139.5560E	45	
Tobi-shima	TOBT	Akita,Japan	39.1900N	139.5500E	20	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tobi-shima	JTB	Yamagata,Japan	39.1953N	139.5573E	50	
Tobruq	LTBQ	Libya	32.0557N	23.9210E	139	
Tocklai	TOC	Assam,India	26.7500N	94.7667E	87	
Toconce	TCN	Antofagasta,Chile	22.2750S	68.1717W	3300	
Tocopilla	TOCH	Antofagasta,Chile	22.0935S	70.2007W	45	From 2007-11-23
Tocopilla	TCP	Antofagasta,Chile	22.1231S	70.2106W	10	
Tocopilla	TPL	Antofagasta,Chile	22.0978S	70.2094W	40	
Tocota	PP05	Peru	15.6555S	74.0865W	1005	
Todenfeld	TDN	Germany	50.5748N	6.9446E	350	From 1996-11-01
Todoroki	TDR	Wakayama,Japan	34.1597N	135.3070E	50	
Todzha	TDJR	Tyva,Russia	52.4000N	96.1000E	1000	
Tofino	TOFB	British Columbia,Canada	49.1543N	125.9078W	13	From 2009-02-14
Togane	TOG	Chiba,Japan	35.5500N	140.3670E	9	
Tokai 1	TK01	Shizuoka,Japan	33.7650N	137.5900E	-2202	From 1979-09-01
Tokai 2	TK02	Shizuoka,Japan	33.9467N	137.7570E	-1542	From 1979-09-01
Tokai 3	TK03	Shizuoka,Japan	34.1650N	137.9650E	-817	From 1979-09-01
Tokai 4	TK04	Shizuoka,Japan	34.3850N	137.8750E	-722	From 1979-09-01
Tokat	TOKT	Turkey	40.3203N	36.5448E	726	From 1996-01-30
Tokat	TOKA	Turkey	40.3232N	36.4783E	679	From 2007-12-10
Tokmak	TTK	Turkey	39.7650N	28.0450E	430	From 1983-06-01 to 1987-01-31
Tokmak	BTOK	Turkey	39.7617N	28.0311E	407	From 2003-10-20
Tokmak	TKMK	Kazakhstan	42.8601N	75.3184E	960	
Tokmak 2	TKM2	Kazakhstan	42.9208N	75.5966E	2020	
Tok Microwave	TMW	Alaska,U.S.A.	63.3245N	142.9970W	495	From 1986-01-01
Tokunoshima	JTK	Ryukyu Islands,Japan	27.7857N	128.9505E	170	
Tokushima	TKS	Tokushima,Japan	34.0650N	134.5770E	2	
Tokushima 2	TKSJ	Tokushima,Japan	33.9833N	134.0480E	180	
Tokuyama	TKJD	Gifu,Japan	35.6919N	136.4777E	400	
Tokyo	TOK	Tokyo,Japan	35.6867N	139.7583E	-285	
Toledo	H02A	Oregon,U.S.A.	44.6764N	123.9997W	209	From 2005-11-15 to 2008-01-23
Toledo	TOL	Spain	39.8814N	4.0486W	480	From 1933-01-01 to 1992-10-31
Toledo	NE17	Spain	39.8814N	4.0486W	480	From 1933-01-01 to 1992-10-31
Toledo BPA CREST BB SMO	TOLO	Oregon,U.S.A.	44.6219N	123.9225W	21	From 2001-10-23
Toledo HGLP	TLO	Spain	39.8600N	4.0147W	465	From 1971-08-01 to 1978-09-17
Tolfa	TOLF	Italy	42.0641N	12.0002E	371	From 2002-10-01
Tolfa - RM	TO01	Italy	42.1351N	11.9672E	203	From 2008-04-28 to 2009-04-02
Tolfa - RM	TO04	Italy	42.2044N	11.9393E	227	From 2008-04-11 to 2009-04-02
Tolicha Peak	TI-NV	Nevada,U.S.A.	37.2853N	116.8669W	1524	
Tolicha Peak	TPK	Nevada,U.S.A.	37.2686N	116.8040W	2080	From 1979-06-11 to 1982-12-31
Tolima	TOLC	Colombia	4.5888N	75.3399W	2516	From 1994-01-01
Toli-Toli	TOLI	Sulawesi,Indonesia	1.1214N	120.7944E	86	From 2008-07-01
Tolley Road	TLZ	North Island,New Zealand	38.3294S	175.5380E	660	From 2009-05-07
Tolmezzo	TLM	Italy	46.4014N	13.0144E	322	
Tololo Astronomical Observatory	TLL	Coquimbo,Chile	30.1672S	70.8045W	2200	From 1970-01-01
Tolsona	TOA	Alaska,U.S.A.	62.1048N	146.1720W	909	From 1971-09-15 to 2004-08-19
Tolsta	RTO	Scotland,United Kingdom	58.3778N	6.2092W	74	From 1995-09-10
Toltan Ranch, Big Piney	K18A	Wyoming,U.S.A.	42.6372N	110.0417W	2129	From 2007-11-06 to 2009-05-15
Tolt Reservoir	TTW	Washington,U.S.A.	47.6944N	121.6901W	542	
Tolt Reservoir	C05A	Washington,U.S.A.	47.6947N	121.6895W	541	From 2005-11-29 to 2008-02-21
TOLUCA	TOVM	Mexico	19.2828N	99.6777W	2727	From 2009-06-16
Tomahawk	TM-WS	Wisconsin,U.S.A.	45.4919N	89.5031W	488	
Tomahawk	TM-	Wisconsin,U.S.A.	45.4919N	89.5031W	488	
Tomahawk Gully	TMP	South Island,New Zealand	44.3150S	170.1200E	720	From 1975-01-01 to 2003-08-15
Tomakomai	TMR	Iburi,Japan	42.6333N	141.5830E	8	
Tomales Bay	NTBM	California,U.S.A.	38.2478N	122.9310W	128	
Tomamai	TOI	Rumoi,Japan	44.2212N	141.6837E	40	
Tomar	PTOM	Portugal	39.6180N	8.4107W	210	
Tom, Dick, Harry Mountain	TDH	Oregon,U.S.A.	45.2898N	121.7900W	1541	From 1982-09-01
Tomie	TOM	Nagasaki,Japan	32.6083N	128.7650E	28	
Tonalea, Kykotsmovi	V17A	Arizona,U.S.A.	35.6218N	110.7938W	1596	From 2008-02-14 to 2009-02-06
TONANKAI O.B.S1	TTO1	Japan	33.6222N	136.7847E	-2068	From 2008-10-01
TONANKAI O.B.S2	TTO2	Japan	33.7347N	137.0272E	-2100	From 2008-10-01
TONANKAI O.B.S3	TTO3	Japan	33.8630N	137.3977E	-1000	From 2008-10-01
TONANKAI O.B.S4	TTO4	Japan	34.0080N	137.5382E	-1836	From 2008-10-01
TONANKAI O.B.S5	TTO5	Japan	34.2522N	137.7163E	-1019	From 2008-10-01
Tonantzintla	IIT	Puebla,Mexico	19.0210N	98.3080W	2205	
Tonasket	TK-	Washington,U.S.A.	48.7939N	119.5878W	549	From 1963-08-21 to 1964-05-17
Tonasket	TK-WA	Washington,U.S.A.	48.7939N	119.5878W	549	From 1963-08-21 to 1964-05-17
T'onet'i	TNTG	Georgia	41.6600N	44.4100E	120	
Tongareva I.	TG-	Cook Islands	9.0600S	158.0356W	3	From 1962-04-30 to 1962-11-04
Tongareva Island	TG-IS	Cook Islands	9.0600S	158.0356W	3	From 1962-04-30 to 1962-11-04
Tongariro	TON	North Island,New Zealand	39.2028S	175.5380E	1120	From 1952-10-01 to 1966-04-30
Tongatapu	TNGT	Tonga	21.1500S	175.1830W	10	
Tongue	OTO	Scotland,United Kingdom	58.4953N	4.3940W	338	From 1995-09-21
TONGYEONG	KSTOY	South Korea	34.8454N	128.4356E	32	From 2006-12-30
Tonnelnyy	TNL	Buryatiya,Russia	56.2800N	113.3600E	820	
Tonopah	TPV	Nevada,U.S.A.	38.0658N	117.2280W	1890	From 1965-01-01 to 1970-12-31
Tonopah	TNP	Nevada,U.S.A.	38.0820N	117.2180W	1932	From 1963-10-11
Tonopah	TPH	Nevada,U.S.A.	38.0750N	117.2225W	1883	From 1961-09-01
Tonopah	R09A	Nevada,U.S.A.	38.2397N	117.0718W	1759	From 2006-06-10 to 2008-03-22
Tonopah Range, Tonopah	S10A	Nevada,U.S.A.	37.9230N	116.5948W	1796	From 2007-01-22 to 2008-09-12
Tonto Forest Array	TFO	Arizona,U.S.A.	34.2678N	111.2700W	1492	From 1963-01-01 to 1975-03-31
Tonto Hills Observatory	THO	Arizona,U.S.A.	33.8753N	111.8740W	1134	From 1973-02-04 to 1974-07-31
Toogoolawah	WTGQ	Queensland,Australia	27.1458S	152.3330E	130	From 1977-03-18
Toolangi	TOO	Victoria,Australia	37.5714S	145.4910E	604	From 1962-01-01
Toone Canyon	TCUT	Utah,U.S.A.	41.1178N	111.4085W	2320	From 1989-08-01
Toowoomba	WOOM	Queensland,Australia	27.5441S	151.9720E	759	
Toowoomba 1 Hard	TW1H	Queensland,Australia	27.5442S	151.9720E	730	From 2009-01-01
Topalu	TLB	Romania	44.5858N	28.0420E	60	
Tophouse	THZ	South Island,New Zealand	41.7638S	172.9040E	760	From 1989-11-30
Topkok	TKK	Alaska,U.S.A.	64.5558N	163.9970W	122	
Topo	TOPO	Azores,Portugal	38.5910N	27.9190W	645	
Topolobampo	TPB	Sinaloa,Mexico	25.5967N	109.0530W	25	
Topolovo	TOP	Kamchatskaya Oblast',Russia	53.2300N	158.0410E	200	
Topopah Spring	TPNV	Nevada,U.S.A.	36.9488N	116.2490W	1600	From 1992-06-15
Toppenish Ridge	TRW	Washington,U.S.A.	46.2921N	120.5431W	723	From 1994-10-14
Toppo, Italy	TOPPO	Italy	46.1987N	12.8170E	258	From 2009-03-25
T or C	TC-	New Mexico,U.S.A.	33.1842N	107.4617W	1524	From 1961-12-20 to 1962-05-03
Torcal de Antequera, Malaga	E013	Spain	36.9641N	4.5340W	1221	From 2007-10-05 to 2009-06-23
Tordecillas	TORR	Spain	36.9723N	4.0743W	1321	
Torete	ETOR	Spain	40.8194N	2.0552W	1018	From 1988-03-01
Torino	TNO	Italy	45.0588N	7.6969E	260	From 1971-05-06
Tori shima	TOR	Bonin Islands,Japan	30.4817N	140.3050E	82	
TORKOZ	MTOR	Morocco	28.4948N	9.8487W	316	From 2010-01-01
Tornio	TOF	Finland	66.0799N	24.3246E	50	From 2011-01-27
Tornquist	TRQA	Argentina	38.0567S	61.9795W	501	
Torny/Romont	TORNY	Switzerland	46.7737N	6.9586E	758	From 2000-01-25
Torococo	TORV	Venezuela	9.5600N	70.2300W	1250	
Torodi Ar. Beam	TORD	Niger	13.1477N	1.6947E	214	
Torodi Ar. Site	TOA2	Niger	13.1477N	1.7004E	216	
Torodi Ar. Site	TOA3	Niger	13.1422N	1.6933E	216	
Torodi Ar. Site	TOA1	Niger	13.1529N	1.6919E	220	
Torodi Ar. Site	TOB1	Niger	13.1613N	1.6934E	231	
Torodi Ar. Site	TOA0	Niger	13.1477N	1.6947E	214	
Torodi Ar. Site	TOB2	Niger	13.1532N	1.7071E	216	
Torodi Ar. Site	TOB3	Niger	13.1376N	1.7042E	215	
Torodi Ar. Site	TOB4	Niger	13.1386N	1.6838E	226	
Torodi Ar. Site	TOB5	Niger	13.1536N	1.6806E	218	
Torodi Ar. Site	TOC1	Niger	13.1721N	1.7017E	233	
Torodi Ar. Site	TOC2	Niger	13.1568N	1.7204E	221	
Torodi Ar. Site	TOC3	Niger	13.1370N	1.7205E	214	
Torodi Ar. Site	TOC4	Niger	13.1216N	1.6994E	231	
Torodi Ar. Site	TOC5	Niger	13.1282N	1.6751E	231	
Torodi Ar. Site	TOC6	Niger	13.1483N	1.6655E	225	
Torodi Ar. Site	TOC7	Niger	13.1638N	1.6787E	224	
Toronto	TNT	Ontario,Canada	43.6667N	79.4000W	111	From 1897-01-01 to 1942-12-31
Toronto--Leslie Street Spit	TORO	Ontario,Canada	43.6136N	79.3433W	80	From 2004-05-04
Torre del Filo	ETFI	Sicily,Italy	37.7391N	14.9969E	2992	From 1994-10-01
Torre dell'Olmo (Gubbio) - PG	AT10	Italy	43.3196N	12.6942E	571	From 2010-04-20

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Torres, Weston	T24A	Colorado,U.S.A.	37.0738N	105.0521W	2510	From 2008-06-27 to 2009-08-13
Torrevieja	EXTO	Spain	37.9920N	0.6890W	25	
Torrevieja, Alicante	E035	Spain	37.9950N	0.9356W	302	From 2008-04-25 to 2009-10-07
Torsby	TBY	Sweden	60.0790N	12.8300E	285	From 1978-01-01
Torshavn	FTO	Faeroe Islands	62.0199N	6.8274W		
Tortengo (Faido)	TONGO	Switzerland	46.4870N	8.7899E	864	From 2005-12-15
Tortola	TBVI	Virgin Islands	18.4167N	64.6167W	3	
Tortoreto Alta	TRTR	Italy	42.8081N	13.9138E	160	From 2006-11-15
Tortuguero	TRTC	Costa Rica	10.5753N	83.7135W	105	From 1996-01-01
Tory Channel	TCW	South Island,New Zealand	41.2133S	174.2760E	150	From 1977-03-28
Tosashimizu	JTO	Kochi,Japan	32.8597N	132.8022E	180	
Tosontsengel	TSC	Mongolia	48.7700N	98.2500E	1450	
Tosya	TOS	Turkey	41.0360N	34.0230E	1046	
TOTAH	TOTH	Syria	33.3613N	36.4283E	696	From 2004-01-01
Tottori	TTT	Tottori,Japan	35.5147N	134.2378E	10	
Tottori	TOTJ	Tottori,Japan	35.4783N	134.2720E	27	From 1979-01-01
Tottori	TOT	Tottori,Japan	35.4850N	134.2400E	18	
Toulon	O07A	Nevada,U.S.A.	40.1614N	118.8772W	1203	From 2006-03-01 to 2008-03-19
Toulx Ste Croix	TCF	Limousin,France	46.2881N	2.2100E	593	
Toumodi	TIC	Ivory Coast	6.6447N	5.0200W	263	From 1967-06-01
Tounfite	TFT	Morocco	32.0580N	5.2670W	0	
Tounfite	TNF	Morocco	32.5300N	5.3190W	2250	From 1993-01-01
Touzarine	TOU	Morocco	34.9620N	3.7540W	1126	From 1993-01-01
Tovanakuss	ETV	New Britain,Papua New Guinea	4.2062S	151.6677E	30	
Tower One	TOW	California,U.S.A.	35.8090N	117.7640W	684	
Townsend	TSTN	Tennessee,U.S.A.	35.6766N	83.7040W	341	
Townsville	TVL	Queensland,Australia	19.2617S	146.7680E	5	
Townsville Hrock	TV1	Queensland,Australia	19.2614S	146.7953E	123	
Townsville Softrock	TV2	Queensland,Australia	19.2921S	146.7833E	20	
Toyama	TOY	Toyama,Japan	36.7067N	137.2050E	10	
Toyohashi	TYH	Aichi,Japan	34.7626N	137.4701E	76	
Toyohira	JHT	Hiroshima,Japan	34.6625N	132.4210E	470	
Toyone	TYNN	Aichi,Japan	35.1329N	137.6696E	650	
Toyo'oka	TYK	Hyogo,Japan	35.5333N	134.8250E	4	
Toyota	JTY	Yamaguchi,Japan	34.2627N	131.0645E	120	
Trabzon	MACK	Turkey	40.9432N	39.7686E	611	From 2005-08-06
Trabzon	TBZ	Turkey	40.9944N	39.7761E	57	From 1976-07-10 to 1999-08-25
Trabzon	KTUT	Turkey	40.9870N	39.7667E	171	From 2006-08-17
Tracy	TY-	Minnesota,U.S.A.	44.3458N	95.5197W	351	
Tracy	TY-MN	Minnesota,U.S.A.	44.3458N	95.5197W	351	
Tradedollar Lake	TDL	Washington,U.S.A.	46.3508N	122.2160W	1400	
Trail	TRH	Hawaii,U.S.A.	19.4152N	155.5490W	3207	
Trail Creek	YTC	Wyoming,U.S.A.	44.2965N	110.2320W	2360	
Trail Mountain	TMUT	Utah,U.S.A.	39.2965N	111.2082W	2733	
Tram Tau	TTVN	Vietnam	21.4720N	104.3570E	50	From 2003-01-01
Tranquillity	TQTN	Tennessee,U.S.A.	35.5160N	84.7258W	260	
Tranquitos	TSA	Salta,Argentina	22.3889S	63.7753W	425	
Trapeza	TRAZ	Greece	38.1685N	22.2121E	668	From 2010-09-27
Trapper Creek	TRAP	Alaska,U.S.A.	62.3350N	150.2440W	127	
Trask Mountain	TKO	Oregon,U.S.A.	45.3713N	123.4540W	1024	From 1991-08-20
Traveller	TRWZ	North Island,New Zealand	41.3997S	175.6878E	344	From 2005-06-23
Traversella	TRAV	Italy	45.5127N	7.7470E	990	From 1996-01-01
Travnik	TRA	Bosnia and Herzegovina	44.2167N	17.6833E		
Trebinje	TREB	Bosnia and Herzegovina	42.7170N	18.3500E	300	From 2004-06-29
Trelew	TRWA	Chubut,Argentina	43.2652S	65.3773W	0	
Tremp	CTRE	Spain	42.3242N	0.7736E	1318	From 2006-07-01
Trente	TRE	Italy	39.2833N	16.3167E	534	
Tres Cuevas	TTX	Texas,U.S.A.	29.3164N	103.7180W	1006	
Tres Palos	PALV	Venezuela	10.4489N	71.6299W	1	
Tres Piedras	TD-NM	New Mexico,U.S.A.	36.6556N	106.1717W	2926	From 1963-08-22 to 1963-11-26
Tres Piedras	TD-	New Mexico,U.S.A.	36.6556N	106.1717W	2926	From 1963-08-22 to 1963-11-26
Tres Rios	TRRB	Rio de Janeiro,Brazil	22.1541S	43.1955W	222	
Trest	TREC	Czech Republic	49.2948N	15.4871E	559	From 2005-07-12
Tretes	TRT	Jawa,Indonesia	7.7040S	112.6350E		
Trevaresse	TREF	Provence-Cote d'Azur,France	43.6242N	5.3838E	460	
Treviso	TRV	Italy	45.6667N	12.1833E	14	
Trewern Hill	HTR	Wales,United Kingdom	52.0790N	3.2697W	329	From 1982-01-01
T'rialet'i	TRLG	Georgia	41.5500N	44.0150E	1550	
Triangle-X Ranch	TRXW	Wyoming,U.S.A.	43.7493N	110.5634W	2256	From 1986-01-01
Tribune	R28A	Kansas,U.S.A.	38.3423N	101.8106W	1108	From 2009-04-12
Trident Resrch Ctr	TRSC	South Carolina,U.S.A.	32.8718N	80.0336W	7	
Triemli, ZR	EWZT0	Switzerland	47.3670N	8.4964E	224	From 2009-10-10
Trieste	TRI	Italy	45.7089N	13.7642E	161	From 1963-07-29
Trieste	TTE	Italy	45.6460N	13.7620E	3	From 1989-01-01
Trieste (CM)	TRS	Italy	45.6428N	13.7539E	8	
Trifonti	TRIF	Italy	43.1148N	10.9026E	596	From 2010-05-17
Trigal station	BMAS	Ecuador	1.5028S	78.4793W	2953	From 2007-03-08
Trig B	TBC	South Island,New Zealand	45.1464S	169.3303E	619	
Trig L	TLC	South Island,New Zealand	45.1913S	169.0713E	1393	
Trims Highway	THY	Alaska,U.S.A.	63.4167N	145.7520W	732	From 1986-01-01
Trinidad	T25A	Colorado,U.S.A.	37.1388N	104.4108W	2017	From 2008-05-25
Trinidad (USA)	TJC	Colorado,U.S.A.	37.2169N	104.6910W	2103	
Trinidad (USA)	TDC	Colorado,U.S.A.	37.2536N	104.3350W	1750	From 1970-01-01 to 1972-11-30
Trinidad (W)	TRN	Trinidad and Tobago	10.6480N	61.4030W	24	From 1959-08-06
Trinity Mountain	TYI	Idaho,U.S.A.	43.6000N	115.4520W	2613	
Trinity Point	TPOR	Oregon,U.S.A.	45.0244N	117.0860W	2000	From 1991-09-01
Triple J Farms, Joplin	A17A	Montana,U.S.A.	48.9448N	110.6994W	973	From 2007-11-17 to 2009-08-16
Tripoli	LTRP	Libya	32.8447N	13.1633E	83	
Tripped Ranch	TPRS	California,U.S.A.	34.0888N	118.5870W	-1	From 1985-11-01
Tristan da Cunha	TRIS	Tristan da Cunha	37.0682S	12.3152W	55	
TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	TRIA	Tristan da Cunha	37.0900S	12.3319W	81	From 2005-03-24
Tristan de Cunha	TDC1	Tristan da Cunha	37.0716S	12.3096W		
Trivandrum	TRD	Kerala,India	8.5080N	76.9585E	64	From 1966-08-15
Trivandrum	TRVM	Kerala,India	8.5080N	76.9585E	30	
Trivento	TRIV	Italy	41.7666N	14.5502E	598	From 2005-03-17
Trizonia	TRIZ	Greece	38.3655N	22.0727E	57	
Trois Ilets	TRMF	Martinique	14.5363N	61.0512W	78	
Trois Rivieres	TVG	Guadeloupe	15.9797N	61.6478W	185	
Trois Rivieres	FBG	Guadeloupe	15.9797N	61.6478W	185	
Trojmez˘›	TRCW	Czech Republic	50.3032N	12.1448E	566	From 1991-01-01
Tromm	TOD	Hessen,Germany	49.6059N	8.8038E	568	From 1974-10-01
Tromso	TRO	Norway	69.6325N	18.9281E	15	From 1993-08-06
Trondheim	TBLU	Norway	63.2518N	10.2607E	232	From 2008-12-05
Trondheim	TRON	Norway	63.4545N	10.4363E	34	
Tropico Hills	TPO	California,U.S.A.	34.8788N	118.2280W	799	
Trosnyk	TRSU	Ukraine	48.0950N	22.9570E	120	From 1998-01-01
Trotters	TS-ND	North Dakota,U.S.A.	47.1069N	103.6731W	816	From 1964-10-02 to 1965-05-14
Trotters	TS-	North Dakota,U.S.A.	47.1069N	103.6731W	816	From 1964-10-02 to 1965-05-14
Trough	VTHM	Oregon,U.S.A.	45.1812N	120.5610W	773	
Trough Springs	GTSM	California,U.S.A.	39.3117N	122.6030W	1103	
Trout Butte	TCBU	Oregon,U.S.A.	44.2408N	122.6644W	1646	
Trout Creek	C12A	Montana,U.S.A.	47.7039N	115.4811W	782	From 2006-09-22 to 2006-12-03
Trout Creek Butte	VTCM	Oregon,U.S.A.	44.9137N	121.6660W	1690	
Trout Gulch Road	JTGM	California,U.S.A.	37.0285N	121.8760W	253	From 1975-10-02
Trout Lake	TT-	Michigan,U.S.A.	46.2097N	85.1678W	259	
Trout Lake	TT-MI	Michigan,U.S.A.	46.2097N	85.1678W	259	
Troy	TRY	New York,U.S.A.	42.7311N	73.6669W	131	From 1960-01-01
Troy Canyon	TRCR	Nevada,U.S.A.	38.3497N	115.5852W	1815	
Troy Canyon, Currant	R11A	Nevada,U.S.A.	38.3489N	115.5854W	1756	From 2007-02-09
Trozza	TROT	Tunisia	35.5617N	9.6002E	900	
Trudelj	TRUS	Serbia	44.2235N	20.4063E	340	From 2006-10-22
Trude Siding	YPTS	Idaho,U.S.A.	44.4623N	111.3525W	1926	
Truellikon	TRULL	Switzerland	47.6487N	8.6816E	525	From 2003-08-29
Trujillo	TUV	Venezuela	9.3510N	70.4510W	0	
Trujillo	TRP	Peru	8.0780S	78.8610W		
Truk	TRU	Caroline Islands,Micronesia	7.4458N	151.8560E	107	From 1949-03-01 to 1999-08-25
Truth or Consequences (T or C)	TC-NM	New Mexico,U.S.A.	33.1842N	107.4617W	1524	From 1961-12-20 to 1962-05-03
Tryon Peak	TRYN	North Carolina,U.S.A.	35.2460N	82.2670W	915	From 1983-03-22
Tsaile	TSL	Arizona,U.S.A.	36.3722N	109.2440W	2012	From 1975-05-22 to 1999-08-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tsaishi	ZSH	Georgia	42.4280N	41.8061E	45	From 1984-01-01
Tsauling	CHN5	Taiwan region	23.5970N	120.6780E	840	
Tsaushan	CHN4	Taiwan region	23.3510N	120.5930E	205	
Tschierv	STSP	Switzerland	46.6266N	10.3332E	1699	From 2006-08-16
Tsebel'da	TSE	Georgia	43.0167N	41.2833E	430	
Tsetserleg	TTS	Mongolia	47.4800N	101.4400E	1760	
Tsey	ZEI	Severo-Osetinskaya,Russia	42.7700N	43.8984E	2100	
Tsim Bei Tsui	THK	Hong Kong,China	22.4863N	114.0117E	4	
Tsina	TSIM	Alaska,U.S.A.	61.2262N	145.3370W	1113	
Tsipikan	ZIP	Buryatiya,Russia	54.9000N	113.3000E		
Tsirk	CIRR	Kamchatskaya Oblast',Russia	56.1153N	160.7481E	1420	
Tsit'eli Tsqaro	ZTZ	Georgia	41.4600N	46.1100E	800	
Tsokhamarg	TSOZ	Armenia	40.9500N	43.8670E	1970	
Tsu	TSU	Mie,Japan	34.7017N	136.5180E	4	
Tsu	TSU1	Mie,Japan	34.7300N	136.5233E	18	
Tsu 2	TSUJ	Mie,Japan	34.7097N	136.4193E	30	From 1988-03-19
Tsukechi	TKC	Gifu,Japan	35.6534N	137.4662E	690	
Tsukuba	TSK	Ibaraki,Japan	36.2108N	140.1100E	280	From 1966-04-01
Tsumeb	TSUM	Namibia	19.2022S	17.5838E	1240	From 1994-09-01
TSUMEB INFRASONIC ARRAY REFERENCE POINT	I35NA	Namibia	19.1913S	17.5768E	1253	From 2003-03-19
Tsuna	JAJ2	Hyogo,Japan	34.4192N	134.8850E	85	
Tsuna	TNAK	Hyogo,Japan	34.4180N	134.8849E	90	
Tsuno	JTSN	Miyazaki,Japan	32.2455N	131.5045E	130	From 1997-03-01
Tsuruga	TSRJ	Fukui,Japan	35.5367N	135.9830E	47	From 1978-01-01
Tsuruga	TSR	Fukui,Japan	35.6500N	136.0650E	2	
Tsurugi yama	TSS	Tokushima,Japan	34.0417N	134.1700E	57	
Tsushima	JTU	Nagasaki,Japan	34.5243N	129.3987E	70	
Tsuyama	TUY	Miyagi,Japan	38.3900N	141.2200E		
Ttatey	JTT	Toyama,Japan	36.6050N	137.3333E	236	
Tuai	TUA	North Island,New Zealand	38.8081S	177.1510E	274	From 1932-09-01 to 1988-03-09
Tual	TLE	Irian Jaya,Indonesia	5.6373S	132.7373E	113	
Tuamarina	TUWZ	South Island,New Zealand	41.4312S	173.9429E	107	From 2004-05-05
Tuan Giao	TGV	Vietnam	21.5898N	103.4182E	0	From 1996-01-01
Tuapeka	TUZ	South Island,New Zealand	45.9561S	169.6320E	110	From 1991-04-04
Tuba City	U16A	Arizona,U.S.A.	36.1428N	111.1297W	1544	From 2007-05-18 to 2009-02-08
Tubingen	TUB	Baden-Wurttemberg,Germany	48.5269N	9.0611E	330	From 1933-01-01 to 1971-12-31
Tubuai	TBI	Tubuai,French Polynesia	23.3489S	149.4608W	20	From 1976-01-01
Tuckaleechee Caverns	TKL	Tennessee,U.S.A.	35.6580N	83.7740W	350	From 1978-07-30
Tucker Farm, Meadow	Z28A	Texas,U.S.A.	33.2884N	102.3866W	1045	From 2009-01-27
Tucson	TUC	Arizona,U.S.A.	32.3098N	110.7847W	910	From 1962-12-17
Tucson Desert	TDM	Arizona,U.S.A.	32.2442N	111.1690W	866	From 1978-12-22
Tucson Observatory	TUO	Arizona,U.S.A.	32.2467N	110.8350W	770	From 1909-01-01
Tucson--Telemeter	TUT	Arizona,U.S.A.	32.3350N	110.7230W	1439	From 1958-01-05 to 1962-01-31
Tucuman	TCM	Tucuman,Argentina	26.8000S	65.2000W	475	
Tuebingen-Lennartz	TUBL	Baden-Wurttemberg,Germany	48.5227N	9.0829E	215	From 2002-11-01
Tuguegarao	TLP	Luzon,Philippines	17.6523N	121.7600E		
Tugumak	WTUG	Alaska,U.S.A.	54.8477N	164.3858W	457	
Tuhingamata	TUTZ	North Island,New Zealand	38.7117S	175.9910E	614	From 1986-01-01 to 1991-12-10
Tuis	TUI	Costa Rica	9.8417N	83.5573W	1300	From 1984-03-17
Tukino	TUVZ	North Island,New Zealand	39.2692S	175.6536E	1410	
Tuktoyaktuk	TUK	Northwest Territories,Canada	69.4400N	133.0280W	10	From 1980-12-02 to 1982-07-20
Tuktoyaktuk	TKT	Northwest Territories,Canada	69.4325N	132.9960W	3	From 1982-07-28 to 1984-07-11
Tulancingo	TLX	Hidalgo,Mexico	20.0375N	98.4361W	2250	
Tulbagh	TUH	Cape Province,South Africa	33.2967S	19.1500E	190	
Tulia	X29A	Texas,U.S.A.	34.4452N	101.7008W	1039	From 2009-01-23
Tulsa	TUL	Oklahoma,U.S.A.	35.9106N	95.7925W	261	From 1961-07-01
Tulsa	TSO	Oklahoma,U.S.A.	36.1482N	95.8979W	210	From 1973-02-01 to 1974-04-29
Tulsa	TUL1	Oklahoma,U.S.A.	35.9106N	95.7925W	244	From 2002-09-01
Tu Ly	TLV	Vietnam	20.8790N	105.2600E	80	From 2002-05-01
Tumaco	TUMC	Colombia	1.8355N	78.7256W	50	
Tumbaco	QUT	Ecuador	0.2022S	78.3922W	2345	
Tumrok	TUMR	Kamchatskaya Oblast',Russia	55.2830N	160.1460E	1213	From 2003-07-12
Tumrok D	TUMD	Kamchatskaya Oblast'	55.2031N	160.3990E	486	From 2011-03-18
Tumut Pond Dam	TPND	New South Wales,Australia	35.9630S	148.3900E	1205	
Tumwater	TUM	Washington,U.S.A.	47.0150N	122.9080W	20	From 1958-05-01
Tunceli	TNC	Turkey	39.1083N	39.5533E	1003	From 1973-09-14
Tunceli-Merkez	TNCL	Turkey	39.1146N	39.5422E	1192	From 2010-11-27
Tunduma	TDMT	,United Republic of Tanzania	9.2962S	32.7712E	1590	From 1992-06-17
Tunel del Cadi	CADI	Spain	42.3402N	1.8412E	1207	
Tungkwan	TUWA	Gansu,China	34.6167N	110.2833E	0	From 1955-01-01
Tungshih	TWQ	Taiwan region	24.2747N	120.8360E	443	From 1972-09-08
Tungsten Hills	MTUM	California,U.S.A.	37.3533N	118.5640W	1810	From 1984-12-15
Tungur	TUNR	Altayskiy Kray,Russia	50.1600N	86.3300E	850	
Tungurahua	TUNG	Ecuador	1.4182S	78.4455W	2774	From 1989-06-01 to 1992-12-30
Tungurahua volcano	BILB	Ecuador	1.4385S	78.4988W	2315	From 2006-08-18
Tungurahua Volcano	BRUN	Ecuador	1.4210S	78.4117W	2700	From 2007-07-01
Tungurahua Volcano	BPAT	Ecuador	1.5033S	78.4335W	3725	From 2007-08-01
Tungurcha	TUG	Amurskaya Oblast',Russia	57.2900N	121.5000E	345	
T'ung-yeun Feng	TYF	Shaanxi,China	34.5000N	109.0670E	365	
Tunis	TUN	Tunisia	36.8000N	10.1333E		
Tunkhannock	TU-PA	Pennsylvania,U.S.A.	41.5714N	76.1367W	366	From 1962-08-02 to 1962-10-05
Tunkhannock	TU-	Pennsylvania,U.S.A.	41.5714N	76.1367W	366	From 1962-08-02 to 1962-10-05
Tunnel	PIORA	Switzerland	46.5373N	8.7833E	817	From 2007-12-15
Tuntungan	TSI	Sumatera,Indonesia	3.5008N	98.5645E	0	From 1974-10-01
Tupik	TUP	Chitinskaya Oblast',Russia	54.4250N	119.9539E	650	
Tupiza	TPZ	Bolivia	21.4650S	65.7163W	2960	
Tura	TURI	Meghalaya,India	25.5500N	90.3333E	305	
Turbat	TUR	Kazakhstan	41.7333N	69.6500E		
Turgen	TGN	Kazakhstan	43.3070N	77.6370E	1510	
Turhal	TRHT	Turkey	40.3497N	36.1778E	1190	From 1992-01-01 to 1998-04-01
Turiamo	TURV	Venezuela	10.4500N	67.8400W	58	From 2002-11-14
Turkey Creek	TRK	South Carolina,U.S.A.	33.1222N	79.7778W	10	From 1980-06-25
Turkoglu	TRKT	Turkey	37.3860N	36.8580E	515	From 1998-03-01
Turnbull Canyon	TCC	California,U.S.A.	33.9945N	118.0130W	299	From 1976-11-01 to 1999-08-25
Turner	TRM	Maine,U.S.A.	44.2597N	70.2551W	113	From 1977-01-01 to 1999-01-31
Turner Farm, Oroville	A08A	Washington,U.S.A.	48.9534N	119.2725W	1089	From 2006-09-14 to 2008-05-17
Turnu Rosu	TUU	Romania	45.6525N	24.2731E	519	From 1988-06-15
Turnu Rosu	TNR	Romania	45.6520N	24.2730E	519	From 1989-07-01
Turoa	TRVZ	North Island,New Zealand	39.3003S	175.5481E	2084	From 2005-03-16
Turquoise Mountain, Baker	TUQ	California,U.S.A.	35.4358N	115.9239W	1350	From 2002-05-02
Turtle Beach	SKTB	St Kitts,Saint Kitts and Nevis	17.2087N	62.6171W	46	From 2003-02-10
Turtle Mountain	TMDA	Alberta,Canada	49.5811N	114.3992W	1541	
Turtle Mountains	TTM	California,U.S.A.	34.3353N	114.8280W	1098	From 1974-04-01
Turunc	TURN	Turkey	36.8729N	28.6029E	28	From 2007-05-21
Turuntaevo	TRTB	Buryatiya,Russia	52.2300N	107.6300E	600	From 1999-08-01
Tuscania	TU1	Italy	42.4186N	11.8744E	166	
Tuscan Springs	LTCM	California,U.S.A.	40.2083N	122.1240W	257	
Tuscarora	TUS	New York,U.S.A.	43.1800N	78.9592W	165	From 1971-06-01 to 1974-03-31
Tutak	TUTA	Turkey	39.4019N	42.8137E	2154	From 2006-09-13
Tuttle Creek Reservoir	TCK	Kansas,U.S.A.	39.3848N	96.7225W	376	From 1977-08-15 to 2001-07-15
Tuxedo	TXNY	New York,U.S.A.	41.1775N	74.1887W	143	From 1990-01-01
Tuxtla Gutierrez	TGBT	Chiapas,Mexico	16.7768N	93.0895W	0	From 2009-02-16
Tuyen-Quang	TQV	Vietnam	21.8283N	105.2080E	35	From 1975-07-27
Tuzandepetl	TUIG	Campeche,Mexico	18.0339N	94.4227W	100	
TV Kerman	TVBK	Iran	29.9860N	56.7612E	2886	From 2010-05-05
Twentynine Palms	TPC	California,U.S.A.	34.1058N	116.0490W	720	From 1972-05-05
Twentynine Palms	TN-CL	California,U.S.A.	34.1983N	115.9500W	533	From 1962-02-01 to 1962-05-03
Twin Buttes	YPTB	Wyoming,U.S.A.	44.5252N	110.8460W	2219	
Twin Lakes	TWL	California,U.S.A.	34.2783N	118.5940W	390	From 1971-11-01
Twin Peaks	TWN	California,U.S.A.	36.0527N	121.5070W	148	From 1973-12-17 to 1975-09-30
Twin Springs	TSV	Nevada,U.S.A.	38.2017N	116.1750W	1585	From 1965-01-01 to 1972-12-31
Twissleman Ranch	PTRM	California,U.S.A.	35.6547N	120.2110W	643	
Twist	TWAR	Arkansas,U.S.A.	35.3614N	90.5597W	61	
Two Rivers School, Snoqualmie Valley	SVTR	Washington,U.S.A.	47.4958N	121.7816W	146	From 2002-09-20
Tymovskoe	TYV	Sakhalinskaya Oblast',Russia	50.8630N	142.6560E	160	From 1969-01-01
Tynda	TNDR	Sakha,Russia	55.1470N	124.7210E	534	From 2001-06-20
Tyneside	TYNO	Ontario,Canada	43.0950N	79.8702W	205	From 1991-07-18
Tyrgan	TRG	Irkutskaya Oblast',Russia	52.7600N	106.3481E	718	
Tyson Valley	TYS	Missouri,U.S.A.	38.5268N	90.5660W	195	From 1974-02-19

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tytingvag	N2B7	Norway	61.8990N	5.0940E	15	
Tytingvag	N2B1	Norway	61.9000N	5.0960E	75	
Uakit	UKT	Buryatiya,Russia	55.4889N	113.6269E	1140	
U Bar Ranch, Lordsburg	120A	New Mexico,U.S.A.	32.5466N	108.6330W	1528	From 2008-02-02 to 2009-12-10
Ubbergen	NE37	Netherlands	51.8351N	5.9050E	30	
Ubonrachathani	UBT	Thailand	15.2456N	105.0183E		From 1993-12-01
Uccle	UCC	Belgium	50.7983N	4.3594E	105	
Uchkent	UKTR	Dagestan,Russia	43.1139N	47.0806E	120	
Uchtor	UCH	Kyrgyzstan	42.2275N	74.5134E	3850	
U. Connecticut	UCCT	Connecticut,U.S.A.	41.7943N	72.2255W	223	
Ucria	MUCR	Sicily	38.0429N	14.8738E	1036	From 2011-02-03
Udbina	UDBI	Croatia	44.5279N	15.7644E	807	From 2009-06-19
Uddeholm	UDD	Sweden	60.0900N	13.6067E	240	
Udhampur	UDP	Jammu and Kashmir,India	32.9017N	75.0800E		
Udine	UDN	Italy	46.0650N	13.2367E	100	From 1976-06-01 to 1978-12-31
Udine OGS	UDI	Italy	46.0650N	13.2367E	112	From 1977-06-24 to 1990-05-05
Ueberruh	UBR	Baden-Wurttemberg,Germany	47.6807N	10.1080E	890	From 1994-01-01
Ufa	UFA	Bashkortostan,Russia	54.8000N	56.0000E	0	
Ufford	KUF	England,United Kingdom	52.6175N	0.3894W	35	From 1988-01-01
Ugakei	UGK	Mie,Japan	35.0967N	136.4729E	290	
Ugak Island	UGI	Alaska,U.S.A.	57.3945N	152.2820W	213	
Ugashik Lake	UKL	Alaska,U.S.A.	57.4017N	156.8550W	410	From 1975-10-01 to 1999-08-25
Ugashik Lake	USL	Alaska,U.S.A.	57.3983N	157.0300W	500	
Uglegorsk	UGL	Sakhalinskaya Oblast',Russia	49.0780N	142.0660E	40	
Uglovaya	UGLR	Kamchatskaya Oblast',Russia	53.2089N	158.8239E	1140	
Ugurusu	URS	Kochi,Japan	33.5376N	133.4890E	25	From 1957-06-01
Uinta Basin Array	UBO	Utah,U.S.A.	40.3217N	109.5690W	1596	From 1970-04-01 to 1973-09-30
Uitikon, ZR	EWZT3	Switzerland	47.3758N	8.4551E	646	From 2009-08-27
Ujela	LUJL	Libya	29.1192N	21.3027E	95	
Uji	UJI	Kyoto,Japan	34.8666N	135.8269E	290	
Ujung Watu	UWJI	Jawa,Indonesia	6.4191S	110.9474E	62	From 2005-01-01
Ukalunda	UKAQ	Queensland,Australia	20.8976S	147.1274E	250	From 1984-03-28
Ukiah	UK-	Oregon,U.S.A.	45.0931N	118.8986W	1311	From 1963-02-08 to 1963-03-01
Ukiah	UKI	California,U.S.A.	39.1372N	123.2110W	199	From 1931-09-01
Ukiah	UK-OR	Oregon,U.S.A.	45.0931N	118.8986W	1311	From 1963-02-08 to 1963-03-01
Ulaanbaatar	ULN	Mongolia	47.8652N	107.0528E	1615	
Ulaangom	ULG	Mongolia	49.9600N	92.0600E	980	
Ulagan, Altay Republic, Russia	ULGR	Altayskiy Kray	50.6234N	87.9607E	1239	From 2002-07-28
Ulahol	ULHL	Kyrgyzstan	42.2456N	76.2417E	2040	
Ulamona	ULO	New Britain,Papua New Guinea	5.0590S	151.3030E	980	From 1981-12-09
Ulamona	ULA	New Britain,Papua New Guinea	5.0064S	151.2560E	10	
Ulan Bator	OBM	Mongolia	47.9200N	106.9700E	1330	
Ulan-Yde	UUDB	Buryatiya,Russia	51.8670N	107.6630E	600	From 1996-02-01
Ulba	ULBA	Ecuador	1.4493S	78.4077W	2960	
Ulba Tungurahua	BBIL	Ecuador	1.4500S	78.4875W	2690	From 2008-07-01
Ulba Tungurahua	BULB	Ecuador	1.4372S	78.4097W	2989	From 2008-07-17
Ulcinj	ULC	Montenegro	41.9636N	19.2445E	504	From 1983-12-25
Uljin	KSULJ	South Korea	36.7021N	129.4084E	77	From 2000-12-18
ULJIN	UJN	South Korea	36.9918N	129.4129E	92	From 2007-11-29
Ulleungdo	KSULL	South Korea	37.4736N	130.9008E	218	From 1998-04-28
ULLUNGDO	UL1	South Korea	37.3193N	130.8778E	-2188	From 2006-12-30
Ulsan	KSULS	South Korea	35.5543N	129.3203E	34	From 2000-03-07
Ulsan	KSUSN	South Korea	35.7024N	129.1232E	238	From 2007-12-12
ULSEONG	KSEUS	South Korea	36.3519N	128.6870E	81	From 2000-11-21
Uludag	ULDT	Turkey	40.1422N	29.1361E	1734	From 1996-04-01
Ulysses	S29A	Kansas,U.S.A.	37.6199N	101.1180W	931	From 2009-04-11
Ulyunkhan	YLYR	Buryatiya,Russia	54.8761N	111.1617E	560	
Umaji	UMJ	Kochi,Japan	33.5462N	134.0470E	320	
Umak	AD2	Alaska,U.S.A.	51.9033N	176.0180W	381	From 1974-01-01 to 1992-02-01
Umberatana	UMB	South Australia,Australia	30.2400S	139.1281E	610	From 1967-06-01
Umea	UME	Sweden	63.8150N	20.2367E	16	From 1962-01-25 to 2004-12-23
Umeaa	UMAU	Sweden	63.8829N	20.6779E	20	From 2002-01-13
Umejima	UMJE	Yamanashi,Japan	35.1928N	138.4979E	250	
Umm Al-Rimmam	UMR	Kuwait	29.5519N	47.7158E	82	
Umm Al-Ruwaisat	RST	Kuwait	29.5003N	46.9972E	218	
Umm Lajj	UMJS	Saudi Arabia	25.2323N	37.3109E	250	
Umm Shaghir	ASHG	Egypt	23.2655N	31.6576E	326	
Umpqua	J02A	Oregon,U.S.A.	43.3654N	123.5747W	136	From 2005-11-16 to 2007-11-29
Umpqua Community College DOGAMI SMO	UMPQ	Oregon,U.S.A.	43.2909N	123.3319W	162	From 2005-04-27
Umpqua National Forest, Toketee	J04A	Oregon,U.S.A.	43.2406N	122.1093W	1952	From 2006-10-31 to 2007-10-30
Umtata	UMT	Cape Province,South Africa	31.5833S	28.7550E	800	From 1988-08-01 to 1999-08-25
Unac-Piva	UPM	Montenegro	43.2031N	18.9051E	1770	From 2003-07-11
Unalakleet	UNL	Alaska,U.S.A.	63.8933N	160.6870W	91	
Unalaska	UNA	Alaska,U.S.A.	53.8733N	166.5330W		From 1954-04-06 to 1956-09-10
Unalaska Valley	UNV	Alaska,U.S.A.	53.8465N	166.5020W	67	
Unciti	IUNC	Spain	42.7559N	1.4989W	766	From 2005-07-22
Uncukul	UNCR	Dagestan,Russia	42.7139N	46.7944E	650	
Underwood Farm, Alliance	L26A	Nebraska,U.S.A.	42.0367N	103.0795W	1248	From 2008-11-24
Undues	YUND	Spain	42.5768N	1.1331W	872	From 2010-05-01
Undu Point	UDU	Fiji	16.1521S	179.9880W	170	From 1981-11-01
Union Grove	UGRT	Tennessee,U.S.A.	35.6109N	84.1170W	302	From 1983-11-05
Union Juarez	MUX	Chiapas,Mexico	15.0790N	92.0740W		
Union Valley	UYO	Oklahoma,U.S.A.	34.1667N	94.4588W	231	From 1989-04-15
Unionville	UVN1	Nevada,U.S.A.	40.4500N	118.1500W	1870	
Unionville	UVN	Nevada,U.S.A.	40.4423N	118.1580W	1926	From 1964-09-13 to 1969-12-31
Univ. Columbia	EPMB	British Columbia,Canada	51.0633N	118.5400W	2150	
Univ de Panama	UPD1	Panama	8.5487N	78.0135W	74	
Univ. de Panama@15	UPA	Panama	8.9810N	79.5338W	41	From 1983-08-01
Universidad Complutense Madrid	UCM	Spain	40.3077N	3.2442W	600	From 2010-03-01
Universidad de Guanajuato	UGO	Jalisco,Mexico	21.0170N	101.2555W		
Universidad de la EARTH en Liberia	NY14	Costa Rica	10.6482N	85.5337W	72	
Universidad de los Andes	UAV	Venezuela	8.6100N	71.1450W	1600	From 1969-08-01
Universidad Nacional Autonoma de Honduras	UNAH	Honduras	14.0750N	87.1750W	1020	
Universidad Nacional Autonoma de Mexico	UNM	Mexico D.F.,Mexico	19.3290N	99.1780W	2257	From 1967-06-04
University, Bengkulu	UBSI	Sumatera	3.7611S	102.2714E	28	
University Campus, Patras University	UPR	Greece	38.2836N	21.7864E	140	From 2006-04-14
University of Arizona	UOA	Arizona,U.S.A.	32.2331N	110.9530W	741	From 1972-04-01 to 1974-04-30
University of Arkansas, Little Rock	UALR	Arkansas,U.S.A.	34.7751N	92.3429W	138	
University of California, Santa Cruz	JUCM	California,U.S.A.	37.0012N	122.0485W	177	From 1975-01-29
University of California Stadium	CMSB	California,U.S.A.	37.8719N	122.2517W	-72	From 1995-01-01
University of Cincinnati	UOCO	Ohio,U.S.A.	39.1400N	84.5220W	226	
University of Connecticut	UCT	Connecticut,U.S.A.	41.8317N	72.2506W	149	
University of Iquique	UNAP	Chile	20.2439S	70.1404W	0	From 2009-05-14
University of Johannesburg	UNJO	South Africa	26.2635S	27.9207E	1683	From 2010-01-01
University of Jordan, Amman	UNJ	Jordan	32.0158N	35.8708E	1050	
University of Michigan	AAMC	Michigan,U.S.A.	42.2780N	83.7360W	250	
University of New Brunswick	UNB	New Brunswick,Canada	45.9462N	66.6442W	64	From 1971-04-01
University of Puget Sound	UPS	Washington,U.S.A.	47.2639N	122.4836W	113	
University of Richmond	URVA	Virginia,U.S.A.	37.5709N	77.5357W	49	
University of Southern California	USC	California,U.S.A.	34.0192N	118.2860W	17	From 1993-01-01
University of Southern Indiana	USIN	Indiana,U.S.A.	37.9651N	87.6660W	170	
University of Tennessee at Martin	UTM	Tennessee,U.S.A.	36.2900N	88.9410W	108	From 1982-08-12 to 1985-12-31
University of Tennessee at Martin	UTMA	Tennessee,U.S.A.	36.2930N	88.9760W	108	From 1985-11-01
University of Tennessee at Martin	UTMT	Tennessee,U.S.A.	36.3423N	88.8642W	120	
University of Toledo	UTO	Ohio,U.S.A.	41.6619N	83.5743W	179	From 1977-12-20
University of Toledo	UTLO	Ohio,U.S.A.	41.6590N	83.6180W	178	
University of Washington Friday Harbor	UWFH	Washington,U.S.A.	48.5459N	123.0132W	10	From 2001-08-02
University of Western Ontario	UWOO	Ontario,Canada	43.0110N	81.2724W	248	
University of Wisconsin at Milwaukee	UWM	Wisconsin,U.S.A.	43.0795N	87.8784W	204	
Unterbreizbach	UBBA	Hessen,Germany	50.8188N	10.0010E	-526	
Unzen dake	UNZ	Nagasaki,Japan	32.7400N	130.2650E	678	
Uoyan	YOA	Buryatiya,Russia	56.1328N	111.7239E	500	
Upernavik	UPNG	Greenland	72.7848N	56.1408W	110	
Upice	UPC	Czech Republic	50.5074N	16.0121E	416	
Upington	UPI	Cape Province,South Africa	28.3620S	21.2527E	845	From 1993-05-01
U. Pittsburgh - Allegheny Obs.	UPAO	Pennsylvania,U.S.A.	40.4821N	80.0216W	274	
Upper Baezaeko River	UBRB	British Columbia,Canada	52.8918N	124.0832W	1241	From 2007-10-16
Upper Bighouse, Forsinard	BIGH	Scotland,United Kingdom	58.4933N	3.9105W	70	From 2009-06-01
Upper Santa Misericordia	UMS	Luzon,Philippines	13.2480N	123.7320E	330	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Uppsala	UPP	Sweden	59.8583N	17.6267E	14	
'Uqlat as Suqur	UQSK	Saudi Arabia	25.7890N	42.3600E	950	From 1990-05-23
Ura	KV91	Miyazaki,Japan	32.0131N	130.8031E	308	
Urahoro	URH	Tokachi,Japan	42.9270N	143.6744E	120	
Urakawa	URA	Hidaka,Japan	42.1583N	142.7817E	30	
Urakawa 2	URAJ	Hidaka,Japan	42.2247N	142.7050E	40	From 1991-06-07
Urakawa 3	URA3	Hidaka,Japan	42.2428N	142.6672E	30	From 1993-12-10
Urakawa-nobuka	JNBK	Hidaka,Japan	42.2800N	142.7527E	115	From 2002-03-19
Urasca	URSC	Costa Rica	9.8350N	83.7782W	1500	
Ura-Tyube	URT	Tajikistan	39.9167N	69.0167E		From 1970-01-01
Uravakonda	URV	Andhra Pradesh,India	14.9469N	77.2597E	472	From 2008-10-01
Uravi	URAV	Georgia	42.6437N	43.2899E	869	From 2007-08-28
Ureshino	JUR	Nagasaki,Japan	33.0932N	129.9490E	160	
Urewera	URZ	North Island,New Zealand	38.2603S	177.1100E	100	From 1990-10-09
Urfa	URFA	Turkey	37.4410N	38.8213E	938	From 2004-12-02
Urgal	URG	Khabarovskiy Kray,Russia	51.0986N	132.3639E	0	
Urkarakh	URKR	Dagestan,Russia	42.1656N	47.6333E	1300	
Uruapan	URUA	Michoacan,Mexico	19.4217N	102.0740W	1680	From 2009-02-16
Urumqi	WMQ	Xinjiang Uygur Zizhiqu,China	43.8211N	87.6950E	897	
Usagre, Badajoz	E029	Spain	38.4397N	6.1831W	593	From 2007-09-07 to 2009-06-02
Ushuaia	USHU	Tierra del Fuego,Argentina	54.8433S	68.5569W	12	
Ushuaia	USHA	Tierra del Fuego,Argentina	54.8319S	68.4333W	107	From 2003-12-19
USHUAIA INFRASONIC ARRAY REFERENCE POINT	I02AR	Tierra del Fuego	54.5806S	67.3092W	94	From 2006-05-04
Uspallata	AUSP	Mendoza,Argentina	32.2236S	69.3873W	2502	
Ussuriysk Array	USRK	Primorskiy Kray,Russia	44.2000N	132.0000E	0	
USSURIYSK INFRASONIC ARRAY REFERENCE POINT	I46RU	Primorskiy Kray	44.1999N	131.9773E	150	From 2008-11-10
Ussuryisk	USK	Primorskiy Kray,Russia	44.2833N	132.0831E	0	
Ust'-Elegest	UER	Tyva,Russia	51.5630N	94.0870E	660	
Ustica	USI	Sicily,Italy	38.7079N	13.1791E	285	
Ust'-Kan	UKR	Altayskiy Kray,Russia	50.9370N	84.7730E	1100	
Ust'-Maya	USMR	Sakha,Russia	60.4200N	134.5400E	170	
Ust'-Nera	UNR	Sakha,Russia	64.5700N	143.2283E	485	
Ust'-Nyukzha	USZ	Amurskaya Oblast',Russia	56.5617N	121.5917E	415	
Ust'-Omchug	USO	Magadanskaya Oblast',Russia	61.1500N	149.6333E		
Usu Kazan Kan	UVO	Iburi,Japan	42.5569N	140.8457E	143	
Usuki	JUS	Oita,Japan	33.0657N	131.7507E	140	
Utah State Capitol	CAPU	Utah,U.S.A.	40.7785N	111.8900W	1384	
UT Block 9, Goldsmith	228A	Texas,U.S.A.	32.1180N	102.5918W	954	From 2009-02-10
Utowana Lake	UWL	New York,U.S.A.	43.8378N	74.5433W	561	From 1974-07-01 to 1981-12-31
Utrecht	NE05	Netherlands	52.0880N	5.1720E	2	From 1982-03-01 to 2001-08-21
Utsunomiya	UTS	Tochigi,Japan	36.5467N	139.8717E	120	
Utsunomiya	UTSU	Tochigi,Japan	36.5470N	139.9170E	110	From 1962-02-01
Utuhina	UTU	North Island,New Zealand	38.1775S	176.1920E	410	From 1986-07-01
Utxeti	IUSE	Spain	42.9469N	1.5478W	870	From 2005-07-22
Uvalde	632A	Texas,U.S.A.	29.5071N	99.7863W	420	From 2009-02-24
Uvira	UVI	Congo (Kinshasa)	3.4000S	29.1167E	950	From 1955-01-01
Uwa jima	UWA	Ehime,Japan	33.2250N	132.5580E	44	
Uwa jima 2	UWA2	Ehime,Japan	33.2137N	132.6245E	450	From 1993-02-01
Uwekahuna	UWE	Hawaii,U.S.A.	19.4233N	155.2930W	1240	From 1930-01-01
Uzd	UZD	Hungary	46.5925N	18.5818E	207	From 1987-01-01 to 1993-12-31
Uzhgorod	UZH	Ukraine	48.6310N	22.2930E	160	
Uzumlu	EUZM	Turkey	39.7072N	39.6976E	1250	From 2008-01-01
Uzumlu	UZU	Turkey	39.7086N	39.6981E	1500	
Uzuto	UZT	Hiroshima,Japan	34.5817N	133.1427E	230	
Vacheresse	OG01	Rhone-Alpes,France	46.3300N	6.6830E	1040	
Vacherie de Mantegas, la Bollene-Vesubie	MANF	France	43.9825N	7.3894E	1680	From 2010-08-17
Vackov	VAC	Czech Republic	50.2354N	12.3772E	530	From 2000-08-30
Vackovec	VACK	Czech Republic	50.1414N	12.4727E	457	
Vaenersborg	VANU	Sweden	58.4921N	12.0727E	50	From 2006-07-26
Vaermlandsnaes	NASU	Sweden	58.9278N	13.1862E	50	From 2006-05-10
Vaestervik	VSTU	Sweden	57.6600N	16.5363E	30	From 2002-05-04
Vaexsjoe	VXJU	Sweden	56.9212N	14.9391E	190	From 2002-10-23
Vagar	FVA	Faeroe Islands	62.0757N	7.3520W		
Vaihoa	VAH	Tuamotu,French Polynesia	15.2364S	147.6272W	2	
Vajont	VAJ	Italy	46.2667N	12.3300E	725	
Valandovo	VAY	Former Yugoslav Rep. of Macedonia	41.3211N	22.5701E	168	From 1969-01-01
Valbona	VALM	Italy	44.3490N	10.2472E	790	From 1999-03-01
Valcebollere	VALF	Languedoc-Rousillon,France	42.4018N	2.0173E	1580	From 1998-11-25
Valdeflores	VDF	Oaxaca,Mexico	16.7610N	96.8220W		
Val Des Bois	VABQ	Quebec	45.9047N	75.6079W	210	From 2010-11-29
Val-des-Bois,QC	VDBQ	Quebec,Canada	45.9277N	75.5697W	204	From 2010-06-24
Valdez	VLD	Alaska,U.S.A.	61.1175N	146.2640W	61	
Valdez	VLZ	Alaska,U.S.A.	61.1315N	146.3320W	10	From 1971-09-02
Valdez South	VZS	Alaska,U.S.A.	61.0442N	146.3050W	668	From 1972-07-22 to 1976-03-27
Valdez West	VZW	Alaska,U.S.A.	61.0590N	146.5540W	796	From 1972-07-17 to 1998-12-31
Val di Lei	VDL	Switzerland	46.4832N	9.4496E	1927	From 1979-09-11
Valdivia	VLV	Valdivia,Chile	39.7900S	73.2764W	12	From 1967-08-01
Valdivia	VLCH	Valdivia,Chile	39.8060S	73.2460W	12	
Val d'Or	VALQ	Quebec,Canada	48.1290N	77.5610W	245	
Val d'Or	VDQ	Quebec,Canada	48.2300N	77.9717W	305	From 1980-12-09
Val d'Or	VLDQ	Quebec,Canada	48.1124N	77.4536W	93	
Valea Ierii	VLR	Romania	46.6542N	23.3547E	1080	From 1982-09-01 to 1989-01-01
Valentia	VAL	Ireland	51.9394N	10.2442W	14	From 1962-10-23
Valguarnera	VAE	Sicily,Italy	37.4783N	14.4119E	690	
Valinhos	VAO	Sao Paulo,Brazil	23.0022S	46.9658W	840	
Valkenburg	VKB	Netherlands	50.8669N	5.7847E	90	From 1996-09-10
Valkenburg	NE15	Netherlands	50.8670N	5.7850E	100	From 1984-06-01 to 2001-07-28
Valle Agricola	VAGA	Italy	41.4154N	14.2342E	795	From 2005-03-15
Valle Caidos	NE12	Spain	40.6420N	4.1550W	1280	From 1983-05-01 to 1985-02-28
Vallecito	CVLM	California,U.S.A.	37.6263N	121.8360W	245	From 1979-11-14
Valle de Chalco	VCVM	Mexico D.F.,Mexico	19.2980N	98.9545W	2224	From 2008-02-07
Valle de Guanape	GUAN	Venezuela	9.9575N	65.6478W	1107	From 1984-01-01
Valle D.L. Mare	JVM	Channel Islands,United Kingdom	49.2169N	2.2068W	64	From 1981-01-01
Valle d'Ocre (Ocre)	T0105	Italy	42.3109N	13.4629E	685	From 2009-04-08 to 2009-11-26
Valle Fertil	AVFE	La Rioja,Argentina	30.6598S	67.4548W	868	
Vallenar	VACH	Coquimbo,Chile	28.5755S	70.7588W	410	
Valley Desolation	DVDT	Dominica	15.3104N	61.3134W	960	
Valley Falls	K06A	Oregon,U.S.A.	42.7991N	120.2510W	1340	From 2006-01-29 to 2007-11-03
Valley of Fire, Overton	U12A	Nevada,U.S.A.	36.4321N	114.5388W	644	From 2006-06-21 to 2008-10-11
Valley Road Site	AVRM	California,U.S.A.	39.0248N	121.2680W	91	From 1976-07-15
Valley View	GVV	California,U.S.A.	39.7751N	122.6755W	1457	
Valmikinagar	VLK	India	27.3167N	83.8667E		
Valparaiso	UTF	Valparaiso,Chile	33.0350S	71.6042W	50	
Valparaiso	VLP	Valparaiso,Chile	33.0258S	71.6411W	88	From 1973-01-01
Valsamata	VLS	Greece	38.1772N	20.5897E	375	
Valverde	VVD	Canary Islands,Spain	27.8074N	17.9112W	540	From 1973-09-01 to 1985-02-28
Valverde	CVVD	Canary Islands,Spain	27.8208N	17.9361W	450	From 1985-02-01 to 1993-10-31
Valverde	EVAL	Spain	37.5842N	6.7475W	295	From 1985-03-01
Vamos	VAM	Crete,Greece	35.4069N	24.1997E	225	
Van	VANT	Turkey	38.4210N	43.2653E	1750	From 1994-01-22
Van	TVAN	Turkey	38.5286N	43.4061E	2008	From 2001-10-18
Van	VNT	Turkey	38.5169N	43.3844E	1804	From 1979-12-01 to 1999-08-25
Van	VANB	Turkey	38.5950N	43.3890E	1227	
Vanadzor	VANZ	Armenia	40.7910N	44.5280E	1200	
Vanand	VNNZ	Armenia	40.1030N	43.8230E	1020	
Vanda	VND	Victoria Land	77.5239S	161.6720E	150	From 1969-01-12 to 1971-02-01
Vanda	VNDA	Victoria Land	77.5172S	161.8528E	121	From 1986-12-04
Vandellos 2	VAN2	Spain	40.9531N	0.8266E	180	
Vanderhoof	SULB	British Columbia,Canada	53.2786N	124.3576W	1171	From 2006-09-05
Van Goodin Ranch	OGOM	California,U.S.A.	39.6537N	121.6120W	158	From 1976-12-28
Van Hill	VHTN	Tennessee,U.S.A.	36.3990N	82.8021W	630	From 1986-01-14
Vanikum	BA16	Nordrhein-Westfalen,Germany	51.0301N	6.6616E	81	From 2006-10-01
Van Inlet	VIB	British Columbia,Canada	53.2522N	132.5410W	1008	From 1985-09-01
Van-Muradiye	VMUR	Turkey	38.9894N	43.5716E	1717	From 2010-11-29
Vannovskaya	VAN	Turkmenistan	37.9480N	58.1080E	580	
Vantage	VTG	Washington,U.S.A.	46.9579N	119.9885W	208	From 1970-07-01 to 2009-04-05
Vantage 2	VT2	Washington,U.S.A.	46.9672N	120.0003W	385	
Vanua Lava	VLN	Vanuatu	13.8867S	167.5420E	18	From 1975-11-20
Vaqueiros	PVAQ	Portugal	37.4037N	7.7173W	193	From 2006-12-23

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Varamin	IVRN	Iran	34.9954N	51.7273E	855	From 1996-01-01
Varanasi	VAR	Uttar Pradesh,India	25.3000N	83.0167E	88	
Vardanashen	VRNZ	Armenia	40.0490N	44.1910E	841	
Vardenis	VADZ	Armenia	40.1720N	45.7450E	2000	From 1983-01-01
Vardenis	VRD	Armenia	40.2200N	45.7000E	1930	
Vardenisi	VAD	Georgia	40.1900N	45.7300E	530	
Vardzia	VRZG	Georgia	41.3745N	43.2721E	1260	From 2003-01-01
Varese	VARE	Italy	45.8677N	8.7700E	1219	From 2009-10-07
Varese	VAI	Italy	45.8674N	8.7684E	1150	
Varian Well	VARB	California,U.S.A.	35.9261N	120.4471W	-61	
Varmlds Nysat	VNY	Sweden	59.4040N	12.4820E	229	From 1980-01-01 to 1991-12-31
Varnville	VRN	South Carolina,U.S.A.	33.0375N	80.9417W	30	From 1979-10-15
Varnville	VSC	South Carolina,U.S.A.	32.8792N	81.0500W	30	From 1974-05-20 to 1979-10-15
Varrio	VRF	Finland	67.7480N	29.6090E	350	From 2007-10-01
Varto	VRT	Turkey	39.1310N	41.5290E	1930	
Varto-Mus	VRTB	Turkey	39.1603N	41.4558E	1500	From 2008-11-20
Vashon High School SMO	VVHS	Washington,U.S.A.	47.4235N	122.4549W	95	From 2001-09-20
Vassijaure	VAS	Sweden	68.4167N	18.1833E	469	
Vassouras	VASS	Rio de Janeiro,Brazil	22.3994S	43.6522W	448	From 1988-01-01
Vasula	VSU	Estonia	58.4620N	26.7347E	63	
Vatnsfell	IVAT	Iceland	64.1870N	18.9180W	573	From 1998-04-20
Vatovaky	VTY	Madagascar	19.0759S	47.5386E	1423	From 1973-01-01
Vava'u	VAVA	Tonga	18.6640S	173.9770W	5	
Vaz, Muldain	SVAM	Switzerland	46.6934N	9.5260E	1273	From 1991-11-23
Veano	VEA	Italy	44.8893N	9.6190E	0	From 1982-01-01 to 2004-12-31
Veberod	VEB	Sweden	55.5990N	13.5160E	116	From 1980-01-01 to 1991-12-31
Vedder Mountain	VDB	British Columbia,Canada	49.0261N	122.1030W	404	From 1983-01-04
Vedriano (Canossa) - RE	RE03	Italy	44.5240N	10.3938E	545	From 2008-12-28 to 2009-02-12
Vega	W28A	Texas,U.S.A.	35.2574N	102.2063W	1156	From 2009-01-20
Veis	IVIS	Iran	34.5264N	46.8496E	1135	From 2004-01-01
Velasquez	VLG	Guatemala	14.2405N	91.0077W	212	From 1980-07-01 to 1987-11-30
Velbert-Hespertal	HES	Germany	51.3670N	7.0420E	127	From 2008-10-01
Velez Rubio	VELZ	Spain	37.5838N	1.9880W	1000	
Veliai	VLI	Greece	36.7182N	22.9370E	220	From 1989-06-01
Velka Javorina	JAVC	Czech Republic	48.8591N	17.6707E	827	
Vena	EVNA	Sicily,Italy	37.7958N	15.1402E	700	From 1994-10-01
Venator	VT-	Oregon,U.S.A.	43.1136N	118.4147W	1341	From 1962-01-16 to 1962-05-21
Venator	VT-OR	Oregon,U.S.A.	43.1136N	118.4147W	1341	From 1962-01-16 to 1962-05-21
Venebrugge	VBG	Netherlands	52.5447N	6.6704E	11	
Venebrugge (Bruchterveld)	VBG4	Netherlands	52.5440N	6.6693E	-181	From 2010-09-01
Venebrugge (Bruchterveld)	VBG1	Netherlands	52.5440N	6.6693E	-31	From 2010-09-01
Venebrugge (Bruchterveld)	VBG2	Netherlands	52.5440N	6.6693E	-81	From 2010-09-01
Venebrugge (Bruchterveld)	VBG3	Netherlands	52.5440N	6.6693E	-131	From 2010-09-01
Veniaminof	BPBCA	Alaska,U.S.A.	56.5897N	158.4526W	584	
Veniaminof 1	VNHG	Alaska,U.S.A.	56.2211N	159.1642W	966	
Veniaminof 2	VNFG	Alaska,U.S.A.	56.2857N	159.5511W	1068	
Veniaminof 3	VNNF	Alaska,U.S.A.	56.2837N	159.3160W	1153	
Veniaminof 5	VNKR	Alaska,U.S.A.	56.0312N	159.3678W	620	
Veniaminof 6	VNSG	Alaska,U.S.A.	56.1258N	159.0854W	761	
Veniaminof 7	VNSW	Alaska,U.S.A.	56.0719N	159.5585W	716	
Veniaminof 8	VNSS	Alaska,U.S.A.	56.2267N	159.4548W	1733	
Veniaminof 8	VNWF	Alaska,U.S.A.	56.1517N	159.5622W	1095	
Venice	VEN	Italy	45.4333N	12.3333E	1	
Ventotene	VENT	Italy	40.7947N	13.4217E	110	
Vera	EXVE	Spain	37.2420N	1.8570W	89	
Veracruz	POHV	Veracruz,Mexico	19.0688N	97.2803W	4150	From 1999-01-01
Veracruz	CAMM	Veracruz,Mexico	19.5880N	96.4600W	190	
Veracruz	LVMM	Veracruz,Mexico	19.6014N	96.3955W	160	
Veracruz	VCM	Veracruz,Mexico	19.2006N	96.1378W	3	
Veracruz	VEX	Baja California,Mexico	32.3612N	115.1050W		From 1981-10-21 to 1987-04-10
Veracruz	VER	Nicaragua	12.0897N	86.1712W	140	From 1977-01-01 to 1983-12-31
Veracruz	LIMM	Veracruz,Mexico	19.6803N	96.5281W	200	
Veracruz	MANM	Veracruz,Mexico	19.5900N	96.4167W	2	
Veracruz	FARM	Veracruz,Mexico	19.6260N	96.3930W		
Vera Road	VRZ	North Island,New Zealand	39.1261S	174.7582E	182	From 2003-11-26
Verde Repeater	VRDI	Alaska,U.S.A.	61.2280N	143.4524W	1880	
Verdi Peak	VPK	California,U.S.A.	39.4747N	120.0370W	2469	
Veris	VRZT	Georgia	41.7094N	44.7886E	450	From 2003-01-01
Veris	VERG	Georgia	41.7097N	44.7893E	420	From 2003-01-01
Verkhnyaya Baza	VEH	Kemerovskaya Oblast',Russia	53.2530N	90.3180E	1200	
Vern	NYV	Nevada,U.S.A.	37.1128N	115.9900W	1442	From 1971-01-01 to 1973-01-31
Vernal	VNL	Utah,U.S.A.	40.4581N	109.5482W	1648	From 2005-10-25
Vernal	VLU	Utah,U.S.A.	40.4464N	109.5150W	1605	
Vernal	VN-UT	Utah,U.S.A.	40.5086N	109.5792W	1768	From 1961-10-20 to 1962-06-01
Vernal	VN-	Utah,U.S.A.	40.5086N	109.5792W	1768	From 1961-10-20 to 1962-06-01
Vernal Corners	VCS	New York,U.S.A.	42.8578N	78.1997W	488	
Verneugheol	VERF	Limousin,France	45.7495N	2.4838E	776	
Verrico (Montereale)	RM29	Italy	42.5606N	13.2023E	1276	From 2009-09-25 to 2010-03-03
Veseth Ranch, Zortman	C20A	Montana,U.S.A.	47.7133N	108.0042W	781	From 2008-08-24 to 2011-01-13
Vestal, Richgrove	VES	California,U.S.A.	35.8409N	119.0847W	154	From 2004-04-01
Vestmannaeyjar	IVES	Iceland	63.4430N	20.2870W	55	From 2000-12-29
Vesuviano	OV1	Italy	40.8267N	14.3978E	606	From 1974-12-01
Vesuviano	OVO	Italy	40.8267N	14.3978E	606	From 1974-12-01
Vesuvio Array Permanente	VARP	Italy	40.8164N	14.4098E	661	From 2009-02-09
Vesuvio Bunker Nord	VBKN	Italy	40.8300N	14.4299E	951	From 2009-05-11
Vesuvio Cratere Est	VCRE	Italy	40.8190N	14.4314E	1125	From 2008-10-15
Vesuvio Tirone	VTIR	Italy	40.8059N	14.4243E	608	From 2009-06-19
Vesuvio Valle Del Gigante	VVDG	Italy	40.8356N	14.4238E	879	From 2009-09-07
Veterans Administration Hospital	CVAL	California,U.S.A.	37.6183N	121.7582W	201	From 1981-02-10
Vettahaugen	N1R1	Norway	66.2070N	13.7410E	690	
Vezirkopru	VEZ	Turkey	41.1305N	35.4627E	387	From 1976-09-01
Vialonga--Serves	PSRV	Portugal	38.8932N	9.0896W	345	
Vianden	LVIA	Luxembourg	49.9351N	6.2025E	252	From 1990-06-27
Vianos	EVIA	Spain	38.6386N	2.5025W	1110	From 1985-11-01
Vicchio	VMG	Italy	43.9617N	11.5439E	450	
Vickery Place, Crowley	135A	Texas,U.S.A.	32.5573N	97.4099W	270	From 2009-11-13
Vicksburg	VBMS	Mississippi,U.S.A.	32.2185N	90.5177W	16	
Victor	E13A	Montana,U.S.A.	46.4423N	114.1880W	1257	From 2006-10-11 to 2009-06-11
Victor	VCMT	Montana,U.S.A.	46.4425N	114.1872W	1254	
Victoria	VIC	British Columbia,Canada	48.5194N	123.4150W	197	From 1898-01-01 to 1978-03-29
Victoria	VCT	Romania	45.7250N	24.7010E	565	From 1989-04-01
Victor Mine	VIMO	Ontario,Canada	52.8173N	83.7449W	78	
Victorville	VTV	California,U.S.A.	34.5606N	117.3296W	812	From 1993-04-16
Vida	C22A	Montana,U.S.A.	47.7456N	105.8841W	745	From 2008-09-07 to 2011-01-13
Vidor	540A	Texas,U.S.A.	30.2093N	93.9796W	10	From 2010-05-23
Vielha	VIH	Spain	42.6288N	0.7700E	1700	From 1986-01-01 to 2003-12-31
Vielle Casse Police Station	DVCT	Dominica	15.6144N	61.4061W	0	From 2004-09-18
Vienna	VIE	Austria	48.2483N	16.3617E	198	
Vienna	VKA	Austria	48.2650N	16.3183E	400	
Vieques	VQS	Puerto Rico	18.1467N	65.4483W	20	From 1903-09-01 to 1924-12-31
Viesci	RM23	Italy	42.5797N	13.0316E	942	From 2009-04-10 to 2009-06-18
Vieux Emosson	EMV	Switzerland	46.0632N	6.8988E	2210	From 1981-11-18
Viey	VIEF	Midi-Pyrenees,France	42.8837N	0.0237E	1000	From 1996-10-24
Viggiano	VIGE	Italy	40.3353N	15.9000E	800	
Vijayawada	VJD	Andhra Pradesh,India	16.5167N	80.6500E		
Vik	VIK	Iceland	63.4217N	19.1000W	19	
Vikbolandet	VIKU	Sweden	58.5017N	16.6992E	100	From 2002-02-05
Vila Bisbo	PFVI	Portugal	37.1328N	8.8268W	189	From 1996-01-01
Vilada	VILA	Spain	42.1363N	1.8913E	400	
Vila Franca	VIF	Azores,Portugal	37.7448N	25.4397W	647	From 1981-01-01
Vila Nova	PVNV	Azores,Portugal	38.7619N	27.1559W	150	From 2003-03-01
Vila Real	PVRL	Portugal	41.2756N	7.7161W	660	From 1995-06-01
Vilia, Western Attica	VIL1	Greece	38.1650N	23.3268E	532	From 2008-11-27
Villa Celiera	VCEL	Italy	42.3946N	13.8406E	1185	From 2004-05-11
Villacollemandina	VLC	Italy	44.1594N	10.3864E	555	
Villa de Garcia	VNM	Nuevo Leon,Mexico	25.8433N	100.5942W		From 1989-12-01
Villa del Rosario	VIRV	Venezuela	10.5030N	72.4060W	157	From 2001-08-31
Villa di Villa	VVI	Italy	45.9819N	12.4281E	100	From 1987-06-10
Villa El Salvador	PP09	Peru	12.2133S	76.9367W	100	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Villa Florida	CPUP	Paraguay	26.3306S	57.3292W	5	From 1994-07-21
VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	I42PY	Paraguay	26.3423S	57.3119W	164	From 2003-03-19
Villa Grajales	VGM	Puebla,Mexico	19.2500N	97.7833W		
Villa Maderas	MADN	Nicaragua	11.4083N	85.5333W	50	
Villa Marinero	VMO	Oaxaca,Mexico	15.8512N	97.0638W	3	
Villa Mercy	VIL	Maryland,U.S.A.	39.0209N	77.1887W		
Villanova	VINO	Italy	46.2564N	13.2814E	608	
Villa Park Dam	VPD	California,U.S.A.	33.8160N	117.7620W	183	From 1971-06-07
Villaroger	OG12	Rhone-Alpes,France	45.5375N	6.9053E	1550	From 1993-11-12
Villasalto	VSL	Sardinia,Italy	39.4960N	9.3780E	370	
Villa Vallelonga	VVLD	Italy	41.8710N	13.6220E	1005	
Villaviciosa de Cordoba, Cordoba	E021	Spain	38.0057N	4.9163W	609	From 2007-09-15 to 2009-06-17
Villefranche	VDCF	Languedoc-Rousillon,France	42.5908N	2.3656E	600	From 1989-01-01 to 1999-07-13
Ville Marie	VMC	Quebec,Canada	47.3167N	79.4500W		
Villemus	VILF	Provence-Cote d'Azur,France	43.8525N	5.7153E	770	
Villeneuve d'Entraunes	OG30	Rhone-Alpes,France	44.1095N	6.7775E	1350	From 1992-01-08
Villia	VILL	Greece	38.1642N	23.3122E	650	From 2009-10-12
Villiers-Adam	NE07	Ile-de-France,France	49.0743N	2.2318E	70	From 1983-11-01
Villiers-Adam	VDM	Ile-de-France,France	49.0743N	2.2318E	70	From 1983-11-01
Vimmerby	VIM	Sweden	57.7880N	16.0020E	151	From 1980-01-01
Vinca	VINC	Italy	44.1412N	10.1522E	737	From 1994-04-01 to 1999-12-31
Vinchina	VCA	La Rioja,Argentina	28.7363S	68.2056W	1500	From 1973-04-01
Vineyard	VIN	California,U.S.A.	36.7500N	121.3850W	330	From 1959-02-03 to 1966-03-09
Vineyard	BVYM	California,U.S.A.	36.7493N	121.4130W	585	From 1975-12-11
Vineyard Canyon	VCAB	California,U.S.A.	35.9216N	120.5339W	555	
Vineyard--Telemeter	VIT	California,U.S.A.	36.7500N	121.3880W	360	From 1961-05-31 to 1965-02-10
Vinh	VIV	Vietnam	18.5475N	105.7000E	5	
Vinh Tuy	VTVB	Vietnam	22.2527N	104.8987E	71	From 2008-01-01
Vinica-Bojanci	VBY	Slovenia	45.5045N	15.2566E	259	From 1986-10-30
Vinton	VO-IO	Iowa,U.S.A.	42.2250N	92.1269W	274	From 1964-09-01 to 1965-03-22
Vinton	VO-	Iowa,U.S.A.	42.2250N	92.1269W	274	From 1964-09-01 to 1965-03-22
Virac	PVCP	Luzon,Philippines	13.5960N	124.1540E	50	
Virgin Gorda	VGVI	Virgin Islands	18.4400N	64.4300W	20	From 2001-12-10 to 2003-04-01
Virgin Gorda Peak	GPV	Virgin Islands	18.4918N	64.4035W		
Virginia	VIR	Orange Free State,South Africa	28.0800S	26.8633E	1341	
Virginia Beach	VBV	Virginia,U.S.A.	36.7853N	76.1080W	5	
Virginia Peak	VIP	Nevada,U.S.A.	39.7540N	119.4610W	2499	
Virginia Western Community College	VWCC	Virginia,U.S.A.	37.2459N	79.9776W	361	
Virojoki	VJF	Finland	60.5388N	27.5550E	34	From 2003-05-26
Vis@19nje	VISS	Slovenia	45.8033N	14.8393E	403	From 2004-03-01
Visale	VSG	Solomon Islands,Papua New Guinea	9.2528S	159.7130E	330	From 1983-12-22
Viseu	PVIS	Portugal	40.7157N	7.8945W	720	From 1995-06-01
Vishakhapatnam	VISK	Andhra Pradesh,India	17.7210N	83.3287E	30	
Vishakhapatnam	VIS	Andhra Pradesh,India	17.7210N	83.3287E	82	From 1962-01-01
Visignano	VISG	Italy	44.1140N	11.2940E	728	From 2004-10-22
Visp Littennaring	SVIL	Switzerland	46.2923N	7.8865E	647	From 2010-04-01
Visp Obere Stapfengasse	SVIO	Switzerland	46.2908N	7.8803E	650	From 2010-04-01
Visp-Terbinerstrasse	SVIT	Switzerland	46.2897N	7.8848E	655	From 2010-05-01
Vissoie, Val d'Anniviers	VANNI	Switzerland	46.2101N	7.5968E	1520	From 2009-10-30
Vista	VSTC	California,U.S.A.	33.1559N	117.2320W	76	From 1975-01-01 to 2009-05-01
Vista de Mar	VCR	Costa Rica	10.1265N	85.6312W	960	
Vista Grande	VG2	California,U.S.A.	33.8318N	116.8090W	0	From 1975-12-01
Vista Hermosa	VHO	Oaxaca,Mexico	17.0723N	96.7332W	1685	
Vista Hermosa	VHM	Oaxaca,Mexico	17.1767N	96.7453W	1829	
Vitale (Isola del Liri - FR)	T0202	Italy	41.7021N	13.5442E	355	From 2009-06-12 to 2010-01-14
Viti Levu	NMF	Fiji	18.0058S	178.1600E	295	
Vitim	VTMR	Sakha,Russia	59.4400N	112.5500E	190	From 2005-06-27
Vitineika	VTN	Greece	37.9166N	21.1856E	47	From 2009-09-08
Vitoria	PVIA	Azores,Portugal	39.0682N	28.0503W	49	From 2005-09-01
Vitosha	VTS	Bulgaria	42.5916N	23.2083E	1490	
Vittel	VITF	Lorraine,France	48.2172N	5.9844E	460	
Vitulano	VTB1	Italy	41.1825N	14.6300E	865	
Vitzeroda	VITZ	Thuringen,Germany	50.8870N	10.0916E	392	From 2010-05-20
Vivian	VVO	Oklahoma,U.S.A.	35.3368N	95.7374W	224	From 1985-09-11
Vivian Onida	I29A	South Dakota,U.S.A.	44.0215N	100.3034W	592	From 2009-09-11
Vizcacheras	AVIZ	Mendoza,Argentina	33.4731S	68.5162W	1019	
Vizianagram	VIZ	Andhra Pradesh,India	18.1167N	83.4500E		
Vizzini	HVZN	Sicily,Italy	37.1780N	14.7150E	730	From 1994-05-01
Vlachokerasia	VLX	Greece	37.3703N	22.3793E	1035	From 2006-06-28
Vladikavkaz	VLKR	Severo-Osetinskaya,Russia	43.0465N	44.6773E	684	From 2003-06-23
Vladivostok	VLA	Primorskiy Kray,Russia	43.1200N	131.8933E	73	
Vlagtwedde	VLW2	Netherlands	52.9682N	7.0972E	-93	From 2010-10-29
Vlagtwedde	VLW3	Netherlands	52.9682N	7.0972E	-143	From 2010-10-29
Vlagtwedde	VLW4	Netherlands	52.9682N	7.0972E	-193	From 2010-10-29
Vlagtwedde	VLW	Netherlands	52.9694N	7.0982E	7	
Vlagtwedde	VLW1	Netherlands	52.9682N	7.0972E	-43	From 2010-10-29
Vlora	VLO	Albania	40.4686N	19.4955E	43	
Vobarno	VOBA	Italy	45.6429N	10.5040E	292	From 2006-06-28
Vodivohitra	VDA	Madagascar	19.0610S	46.9530E	1472	From 1994-12-18
Vogar	IVOG	Iceland	63.9700N	22.3930W	7	From 1997-02-23
Vogel Lake	VOGL	Alaska,U.S.A.	60.9961N	150.4307W	38	
Voghera	VG1	Italy	44.9292N	9.0958E		From 1980-06-22 to 1999-08-25
Vogsosar	IVOS	Iceland	63.8530N	21.7040W	8	From 1997-04-15
Vohitsoka	VOI	Madagascar	22.0260S	46.7059E	991	From 2009-11-26
Vojsko	VOJS	Slovenia	46.0317N	13.8833E	1046	From 2004-10-01
Vojsko	VOY	Slovenia	46.0317N	13.8935E	1073	From 1984-11-01
Volborg	F23A	Montana,U.S.A.	45.7212N	105.4056W	953	From 2008-11-17
Volcan	BRU2	Panama	8.7940N	82.6910W	1308	
Volcan Arenal	VACR	Costa Rica	10.4730N	84.6775W	360	From 1986-04-29
Volcan Cerro Prieto	VCP	Baja California,Mexico	32.4000N	115.3000W	110	From 1976-10-28
Volcan Chico	VCHI	Galapagos,Ecuador	0.7917S	91.0667W	1490	
Volcan Irazu	ICR	Costa Rica	9.9808N	83.8305W	3306	
Volcan Irazu	IRZ	Costa Rica	9.9744N	83.8657W	3380	From 1984-03-17 to 1985-12-31
Volcan Irazu 2	IRZ2	Costa Rica	9.9688N	83.8975W	2975	From 1985-01-01
Volcan Nyalulag	NYAM	Congo (Kinshasa)	1.4100S	29.2000E	3056	
Volcan Nyirag	NYI	Congo (Kinshasa)	1.5200S	29.2500E	3469	
Volcano Peak E	WVPM	California,U.S.A.	35.9495N	117.8170W	1463	From 1975-09-26
Volcano Peak East	VPEM	California,U.S.A.	35.9495N	117.8170W	1463	From 1975-09-26
Volcan Poas	VPS	Costa Rica	10.1873N	84.2385W	2570	
Volcan Poas 2	VPS2	Costa Rica	10.1902N	84.2353W	2570	From 1980-11-01
Volcan Purace	PURC	Colombia	2.3222N	76.3617W	3950	From 1987-01-01
Volcan Rincon	RIN2	Costa Rica	10.8185N	85.3495W	1400	From 1987-05-20 to 1988-08-26
Volcan Rincon	RIN3	Costa Rica	10.7908N	85.3787W	900	From 1988-08-26
Volcan Rincon	RIN	Costa Rica	10.7735N	85.3583W	775	From 1984-11-01 to 1987-05-20
Volcan San Salvador	VSS	El Salvador	13.7417N	89.2417W	1250	
Volcan Turrialba	VTU	Costa Rica	10.0210N	83.7583W	3329	
Volcan Villarrica	VNV	Cautin,Chile	39.3692S	71.9528W	1200	From 1983-01-01
Volimes	VOL	Greece	37.8857N	20.6775E	552	From 2007-04-19
Vollmer Peak	CVPM	California,U.S.A.	37.8840N	122.2220W	568	
Vomvokou	VVK	Greece	38.4222N	21.8115E	651	From 2010-09-30
Voronezh	VOR	Voronezhskaya Oblast',Russia	51.7311N	39.2000E	160	From 1997-01-01 to 2008-08-20
Voronezh	VORR	Voronezhskaya Oblast'	51.6717N	39.2082E	150	From 2008-08-20
Vostochnaya	VOS	Kazakhstan	52.7233N	70.9797E	450	From 1999-09-24
Vostochnaya	VOSK	Kazakhstan	52.7233N	70.9797E	450	From 1999-09-24
Vostochnaya array site	VOS9	Kazakhstan	52.7696N	70.9511E	329	From 1995-08-10
Vostochnaya array site	VOS4	Kazakhstan	52.7686N	70.9906E	321	From 1995-08-10
Vostochnaya array site	VOS8	Kazakhstan	52.7524N	70.9211E	344	From 1995-08-10
Vostochnaya array site	VOS7	Kazakhstan	52.7276N	70.9370E	328	From 1995-08-10
Vostochnaya array site	VOS6	Kazakhstan	52.7478N	70.9649E	327	From 1995-08-10
Vostochnaya array site	VOS5	Kazakhstan	52.7435N	71.0042E	316	From 1995-08-10
Votaw Ranch, Wellfleet	N29A	Nebraska,U.S.A.	40.8189N	100.6264W	897	From 2009-05-19
Vouglans	VOU	Franche Comte,France	46.3989N	5.6508E	495	From 1967-03-01
Voula,Athens	VLY	Greece,Greece	37.8524N	23.7942E	256	From 2008-02-12
Vranov	VRAC	Czech Republic	49.3083N	16.5935E	475	From 1989-12-01
Vrh nad Dolskim	VNDS	Slovenia	46.1016N	14.7014E	531	From 2005-12-16
Vrincioaia	VRI	Romania	45.8665N	26.7276E	472	From 1967-01-01
V-Sauoahnukur	IVSH	Iceland	64.8080N	15.7280W	849	From 2004-12-29
Vulcan	VUL	New Britain,Papua New Guinea	4.2828S	152.1460E	332	From 1967-01-01
Vulcanello	VN6*	Sicily,Italy	38.4256N	14.9625E		From 1966-04-01 to 1966-05-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Vulcano Cr IE	IVCR	Sicily,Italy	38.4080N	14.9620E	140	From 1977-01-01
Vulcano Grillo IE	IVUG	Sicily,Italy	38.3960N	14.9860E	250	From 1977-01-01
Vulcano Lentia IE	IVLT	Sicily,Italy	38.3960N	14.9480E	150	From 1977-01-01
Vulcano Piano	VPL	Sicily,Italy	38.3789N	14.9836E	410	
Vunargo	VNG	Greece	37.7410N	21.3930E	240	From 2006-05-15
Vunidawa	VDW	Fiji	17.8336S	178.2528E	409	From 1979-10-01
Vunikawai	VUN	Fiji	18.0072S	178.4633E	178	From 1976-12-01
Vyborg	VYB	Leningradskaya Oblast',Russia	60.7167N	28.8000E	25	
Vyhne	VYHS	Slovakia	48.4940N	18.8361E	480	
Vyrnwy	WVR	Wales,United Kingdom	52.7974N	3.6051W	580	From 1985-01-01
Wabag	WAB	Papua New Guinea	5.4947S	143.7280E	2032	From 1968-01-01
Wabash College	WVIL	Illinois,U.S.A.	38.4298N	87.7817W	160	
Wabush	WABN	Newfoundland,Canada	52.9080N	66.8710W	563	
Wachi	JWT	Kyoto,Japan	35.2825N	135.4015E	172	
Wade Farm, Kenmare	A26A	North Dakota,U.S.A.	48.8973N	102.0380W	570	From 2009-07-23
Wadesville	WDIN	Indiana,U.S.A.	38.0908N	87.7158W	164	
Wadia Institute--Dehra Dun	WIHG	Uttar Pradesh,India	30.3285N	78.0130E	619	From 1985-11-01
Wadi Bani Khalid	WBK	Oman	22.6100N	58.9700E	450	From 2001-07-01
Wadi Hawf	WHFO	Oman	17.9190N	53.7706E	550	From 2001-07-01
Wadi Hilu	UOSS	Pakistan	24.9453N	56.2042E	283	
Wadi 'Ibn Hashbal	WBHS	Saudi Arabia	18.6062N	42.7288E	1882	
Wadi Mousa	WMSJ	Jordan	30.3250N	35.4650E	965	From 2001-01-01
Wadi Sarin	WSAR	Oman	23.2390N	58.6307E	326	
Wadsworth	WAD	Nevada,U.S.A.	39.6878N	119.2880W	1262	
Waduk Cacaban	CTJI	Jawa	7.0075S	109.1836E	104	
Wagenman Farm, Cando	B29A	North Dakota,U.S.A.	48.4649N	99.3535W	460	From 2009-08-21
Wager Bay	WAGN	Northwest Territories,Canada	65.8792N	89.4445W	0	From 2006-08-20
Wagin	WA2	Western Australia,Australia	33.2767S	117.3370E	300	From 1973-06-09
Wagner Farm, Oakesdale	D10A	Washington,U.S.A.	47.0547N	117.2759W	775	From 2006-09-23 to 2008-06-19
Wagon Wheel Ranch, Midkiff	329A	Texas,U.S.A.	31.4870N	101.9808W	842	From 2009-02-08
Wahat al Ahsa'	HASS	Saudi Arabia	25.1899N	49.6944E	200	
Wahat Dakhilah	HDK2	Egypt	24.3195N	28.9546E	377	
Wahat Farafirah	HFRF	Egypt	27.1484N	28.3105E	115	
Wahaula	WHA	Hawaii,U.S.A.	19.3317N	155.0490W	29	
Wahianoa	WNVZ	North Island,New Zealand	39.3287S	175.5978E	1543	From 2004-05-04
Wahluke	WAH	Washington,U.S.A.	46.7520N	119.5780W	231	From 1970-07-01
Wahluke Slope	WAH2	Washington,U.S.A.	46.7553N	119.5657W	244	
Wahnbachtalsperre	WBS	Germany	50.8061N	7.2831E	130	From 1990-11-01
Wahner Farm, Parshall	C26A	North Dakota,U.S.A.	47.8259N	102.0957W	656	From 2009-07-26
Wahoo	WHNE	Nebraska,U.S.A.	41.2362N	96.6525W	381	
Wah Wah Mountains	WW-UT	Utah,U.S.A.	38.5139N	113.5889W	1829	From 1963-04-16 to 1963-07-15
Wah Wah Mts	WW-	Utah,U.S.A.	38.5139N	113.5889W	1829	From 1963-04-16 to 1963-07-15
Waiatarua	WTAZ	North Island,New Zealand	36.9342S	174.5739E	340	
Waiheke Island	WIAZ	North Island,New Zealand	36.7930S	175.1339E	255	From 2010-07-27
Waihua	WHHZ	North Island,New Zealand	39.0768S	177.2344E	317	From 2009-06-30
Waikabubak, Sumba	WBSI	Sumba,Indonesia	9.6411S	119.3911E	456	From 2008-12-01
Waikii	WKH	Hawaii,U.S.A.	19.8597N	155.6600W	1433	
Waimanalo Ridge	WMR	Hawaii,U.S.A.	21.3203N	157.6823W	200	
Waimangu	WGZ	North Island,New Zealand	38.2881S	176.3870E	440	From 1980-08-20 to 1983-12-15
Waingapu	WSI	Sumba,Indonesia	9.6689S	120.2976E	48	
Wainui Dam	WDW	North Island,New Zealand	41.2686S	174.9940E	130	
Waiomatatini Station	WMGZ	North Island,New Zealand	37.8191S	178.4149E	190	From 2009-12-10
Waipapa Point	WPZ	South Island,New Zealand	46.6603S	168.8500E	4	From 1966-11-01 to 1976-09-20
Waipu Caves	WCZ	North Island,New Zealand	35.9411S	174.3440E	140	From 1990-10-13
Waipukurau	WPHZ	New Zealand	40.0660S	176.4404E	350	From 2006-10-19
Wairakei	WNZ	North Island,New Zealand	38.6314S	176.1030E	350	From 1962-08-01 to 1985-09-27
Wairara	WATZ	North Island,New Zealand	38.7097S	175.7329E	520	
Wairiri	WAI	South Island,New Zealand	43.5000S	171.8670E	335	From 1947-03-01 to 1948-03-31
Waitaha Valley	WVZ	South Island,New Zealand	43.0764S	170.7360E	75	From 1990-02-21
Wajiki	WKJ	Tokushima,Japan	33.8598N	134.5147E	100	
Wa jima	WAJ	Ishikawa,Japan	37.3900N	136.8980E	7	
Wakamiya	WMY	Kochi,Japan	33.6421N	133.6750E	230	From 1967-04-01 to 1999-08-25
Wakarara	WAHZ	North Island,New Zealand	39.6992S	176.3550E	657	From 1987-03-01 to 2003-09-09
Wakaura	WKU	Wakayama,Japan	34.1879N	135.1730E	10	From 1953-10-01 to 1978-08-26
Wakayama	WKY	Wakayama,Japan	34.2267N	135.1670E	14	
Wakayama	WKME	Wakayama,Japan	34.1909N	135.1673E	5	
Wakayama 2	WKYJ	Wakayama,Japan	34.2190N	135.5925E	795	
Wake	WKE	Wake Island	19.3150N	166.6270E	5	From 1956-01-01 to 1969-12-31
Wake Island	WAKE	Wake Island	19.2833N	166.6536E	0	
Wakkake-Misaki	JWK	Soya,Japan	45.4168N	141.6732E	90	
Wakkanai	WAK	Soya,Japan	45.4167N	141.6730E	90	
Wakkanai	WAKJ	Soya,Japan	45.4133N	141.6833E	11	
Walderalm	WATA	Austria	47.3357N	11.5763E	1492	From 1989-10-01
Waldron Ledge	WLG	Hawaii,U.S.A.	19.4248N	155.2620W	1067	From 1971-09-01 to 2000-11-09
Walferdange	WLF	Luxembourg	49.6646N	6.1526E	295	
Walker	WAKR	Nevada,U.S.A.	38.5044N	119.4372W	1890	
Walker Mountain	WMV	Virginia,U.S.A.	37.1085N	80.9705W	1157	
Walker Mountain	VWMM	Oregon,U.S.A.	43.3050N	121.7160W	2158	
Walker Pass	WWPM	California,U.S.A.	35.7355N	118.0870W	1151	
Walker Ridge	GWKM	California,U.S.A.	39.0520N	122.4910W	841	
Walker Ridge	WKC2	California,U.S.A.	40.3892N	124.2960W	226	From 1980-11-05
Walker Ridge	WKC	California,U.S.A.	40.3933N	124.2880W	225	From 1973-01-01 to 1980-11-05
Walkerton	BWLO	Ontario,Canada	44.1174N	81.1382W	228	From 2007-08-01
Wallace	WAL	Idaho,U.S.A.	47.4600N	115.9650W		
Wallace Dam	WDG	Georgia,U.S.A.	33.3440N	83.1752W	177	From 1978-02-01
Walla Walla High School ANSS SMO	WWHS	Washington,U.S.A.	46.0453N	118.3183W	10	From 2003-09-24
Wallersheim-Loch	LOH	Germany	50.1825N	6.5356E	580	From 2006-12-01
Wallila Gap	WGW	Washington,U.S.A.	46.0447N	118.9330W	162	From 1971-10-01
Wall Ranch, Gause	436A	Texas,U.S.A.	30.7702N	96.7960W	109	From 2010-01-27
Walls	WAL1	Shetland Islands,United Kingdom	60.2564N	1.6173W	167	From 1980-01-01
Walls	WALU	Shetland Islands,United Kingdom	60.2576N	1.6133W	170	
Wallula Gap	WG2	Washington,U.S.A.	46.0306N	118.8560W	511	From 1987-04-01
Wallula Gap	WG3	Washington,U.S.A.	46.0286N	118.8570W	480	From 1990-01-01
Wally Ulrich	WUWY	Wyoming,U.S.A.	43.5394N	110.7429W	1965	
Walnut Grove	WGAR	Arkansas,U.S.A.	35.8530N	90.1910W	72	
Walnut Ridge	WR-	Arkansas,U.S.A.	36.0583N	91.2219W	122	From 1961-12-05 to 1961-12-16
Walnut Ridge	WR-AR	Arkansas,U.S.A.	36.0583N	91.2219W	122	From 1961-12-05 to 1961-12-16
Walsh	T28A	Colorado,U.S.A.	37.1204N	102.1136W	1148	From 2008-12-16
Walters Elk Ranch, Riggins	G11A	Idaho,U.S.A.	45.3997N	116.2680W	1343	From 2006-11-08 to 2008-07-14
Wambrook	WAM	New South Wales,Australia	36.1928S	148.8830E	200	From 1957-01-01
Wamena	WAMI	Irian Jaya,Indonesia	3.8847S	138.7114E	0	
Wamic	G05A	Oregon,U.S.A.	45.2422N	121.3167W	594	From 2005-11-03 to 2008-03-27
Wamsutter	L20A	Wyoming,U.S.A.	42.0073N	108.3398W	2028	From 2007-10-26
Wanagama	UGM	Jawa,Indonesia	7.9125S	110.5231E	350	From 1995-08-20
Wanaka	WKZ	South Island,New Zealand	44.8287S	169.0175E	564	From 2004-06-03
Wando	KSWAN	South Korea	34.3890N	126.7023E	34	From 1999-04-07
Wanganui	WAZ	North Island,New Zealand	39.7564S	174.9853E	401	From 2003-11-26
Wang Home	KHVB	British Columbia,Canada	48.5688N	123.4663W	39	From 2003-02-28
Wanliss Street	WAN	New Britain,Papua New Guinea	4.1943S	152.1760E	25	From 1967-01-01
Wann	WNN	Nebraska,U.S.A.	41.1897N	96.2661W	387	
Wanoga Butte	VWBM	Oregon,U.S.A.	43.9137N	121.5550W	1736	
Wapiti River	WAPA	Alberta,Canada	55.1833N	119.2536W	784	From 2009-10-20
Warakurna	WRKA	Western Australia,Australia	25.0371S	128.2962E	622	From 2009-04-26
Warangal	WGL	Andhra Pradesh,India	17.9850N	79.5300E	280	From 1975-01-01
Warburton	WBN	Western Australia,Australia	26.1400S	126.5780E	457	From 1978-06-27 to 1987-06-28
Warburton	WARB	Western Australia,Australia	26.1838S	126.6430E	460	From 1987-06-28 to 1998-12-31
Wardell	WADM	Missouri,U.S.A.	36.3661N	89.7959W	78	
Warden	WRD	Washington,U.S.A.	46.8033N	119.1448W	375	From 1970-07-01
Wardlaw	BWH	Scotland,United Kingdom	55.1758N	3.6549W	269	
Ward Pound Ridge	WPR	New York,U.S.A.	41.2547N	73.5857W	152	From 1971-03-01 to 1981-12-31
Warideh	WRDH	Syria	35.5079N	36.4120E	730	From 1995-04-01
Waris	WAA	Papua New Guinea	4.1167S	145.1000E	48	
Warland Creek	WCM	Montana,U.S.A.	48.4583N	115.1030W	1704	From 1971-02-01 to 1974-07-11
Warmenhuizen	WMH2	Netherlands	52.7096N	4.7498E	-101	From 1995-04-21
Warmenhuizen	WMH1	Netherlands	52.7096N	4.7498E	-51	From 1995-04-21
Warmenhuizen	WMH3	Netherlands	52.7096N	4.7498E	-151	From 1995-04-21
Warmenhuizen	WMH	Netherlands	52.7108N	4.7498E	-1	
Warmenhuizen	WMH4	Netherlands	52.7096N	4.7498E	-201	From 1995-04-21
Warmifontaine	WRM	Belgium	49.8333N	5.3806E	242	

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Warminster	SWK	England,United Kingdom	51.1483N 2.2471W	266	
Warm Springs	R10A	Nevada,U.S.A.	38.2886N 116.3021W	1600	From 2006-06-09 to 2008-09-11
Warm Springs	WSP	California,U.S.A.	34.5962N 118.5790W	1219	
Warm Springs	WZ-NV	Nevada,U.S.A.	38.0628N 116.4397W	2073	
Warm Springs	WSN	Nevada,U.S.A.	38.3833N 116.1920W	1768	From 1965-01-01 to 1970-12-31
Warm Springs Repeater	WSR	Nevada,U.S.A.	38.1914N 116.3990W	1890	From 1965-01-01 to 1970-12-31
Warragamba	WGBM	New South Wales,Australia	33.8661S 150.5751E	254	
Warragamba Dam	WDBM	New South Wales,Australia	33.8850S 150.5940E	30	
Warramunga Ar.	WB1	Northern Territory,Australia	19.9595S 134.3460E	422	
Warramunga Array	WCB	Northern Territory,Australia	19.9347S 134.3570E	366	From 1965-10-01
Warramunga Array	WRB	Northern Territory,Australia	19.9594S 134.3464E	393	From 1965-10-01
Warramunga Array Beam Reference Point	WRA	Northern Territory,Australia	19.9426S 134.3390E	419	From 1965-10-01
Warramunga Array Site B0	WB0	Northern Territory,Australia	19.7671S 134.3930E	392	
Warramunga Array Site B2	WB2	Northern Territory,Australia	19.9428S 134.3511E	388	From 1965-10-01
Warramunga Array Site B3	WB3	Northern Territory,Australia	19.9230S 134.3555E	384	From 1965-10-01
Warramunga Array Site B4	WB4	Northern Territory,Australia	19.9036S 134.3589E	380	From 1965-10-01
Warramunga Array Site B5	WB5	Northern Territory,Australia	19.8782S 134.3662E	370	From 1965-10-01
Warramunga Array Site B6	WB6	Northern Territory,Australia	19.8550S 134.3670E	396	From 1965-10-01
Warramunga Array Site B7	WB7	Northern Territory,Australia	19.8408S 134.3794E	353	From 1965-10-01
Warramunga Array Site B8	WB8	Northern Territory,Australia	19.8139S 134.3808E	356	From 1965-10-01
Warramunga Array Site B9	WB9	Northern Territory,Australia	19.7914S 134.3840E	391	From 1965-10-01
Warramunga Array Site C1	WC1	Northern Territory,Australia	19.9243S 134.3391E	392	
Warramunga Array Site C2	WC2	Northern Territory,Australia	19.9254S 134.3654E	375	
Warramunga Array Site C3	WC3	Northern Territory,Australia	19.9587S 134.3719E	382	
Warramunga Array Site C4	WC4	Northern Territory,Australia	19.9619S 134.3397E	387	
Warramunga Array Site R0	WR0	Northern Territory,Australia	19.9597S 134.5405E	353	
Warramunga Array Site R1	WR1	Northern Territory,Australia	19.9426S 134.3395E	388	
Warramunga Array Site R2	WR2	Northern Territory,Australia	19.9469S 134.3624E	385	From 1965-10-01
Warramunga Array Site R3	WR3	Northern Territory,Australia	19.9485S 134.3869E	376	From 1965-10-01
Warramunga Array Site R4	WR4	Northern Territory,Australia	19.9503S 134.4066E	374	From 1965-10-01
Warramunga Array Site R5	WR5	Northern Territory,Australia	19.9522S 134.4304E	364	From 1965-10-01
Warramunga Array Site R6	WR6	Northern Territory,Australia	19.9543S 134.4540E	382	From 1965-10-01
Warramunga Array Site R7	WR7	Northern Territory,Australia	19.9552S 134.4760E	382	From 1965-10-01
Warramunga Array Site R8	WR8	Northern Territory,Australia	19.9557S 134.5000E	400	From 1965-10-01
Warramunga Array Site R9	WR9	Northern Territory,Australia	19.9577S 134.5150E	383	From 1965-10-01
WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	WRAI	Northern Territory	19.9348S 134.3295E	386	From 2000-05-12
Warramunga Infrasound Array Beam Ref. Pt.	WRAI	Northern Territory,Australia	19.9402S 134.2260E	401	
Warsak Dam	WRS	Pakistan	34.1500N 71.4167E	343	
Warsaw	WAR	Poland	52.2417N 21.0236E	110	From 1939-01-01 to 2008-10-10
Wartburg	WT-	Tennessee,U.S.A.	36.1097N 84.7578W	427	From 1963-04-12 to 1963-07-31
Wartburg	WT-TN	Tennessee,U.S.A.	36.1097N 84.7578W	427	From 1963-04-12 to 1963-07-31
Wasel	WASL	Saudi Arabia	29.1880N 34.9060E		From 1993-07-01 to 1999-08-25
Washetta, Montalba	237A	Texas,U.S.A.	32.0015N 95.8084W	126	From 2010-02-20
Washington	WAS	District of Columbia,U.S.A.	38.8925N 77.0331W	0	From 1909-01-01 to 1969-12-31
Washington City	WCO	Utah,U.S.A.	37.1387N 113.5094W	878	From 2008-05-30
Washington Fields	REUT	Utah,U.S.A.	37.0976N 113.5193W	791	From 2008-06-27
Washington Hill	WSH	Nevada,U.S.A.	39.4538N 119.6447W	1762	
Washington--Naval Research Laboratory	NRL	District of Columbia,U.S.A.	38.8333N 77.0833W		From 1953-01-01 to 1972-12-31
Washington Science Center	WSC	Maryland,U.S.A.	39.0505N 77.1237W	120	From 1965-01-01 to 1972-12-31
Washoe City	WCN	Nevada,U.S.A.	39.3017N 119.7563W	1704	From 1972-08-12
Wassenberg	RWB	Germany	51.1018N 6.1550E	45	From 2003-04-01
Water	H2OWA	Washington,U.S.A.	46.3958N 119.4230W	158	
Waterbury	VT1	Vermont,U.S.A.	44.3317N 72.7536W	410	
Waterdown	RD02	Ontario,Canada	43.3154N 79.8768W	104	
Waterton	WTC	Colorado,U.S.A.	39.5143N 105.1380W	1987	From 1973-01-01 to 1976-11-30
Waterton Lakes	WALA	Alberta,Canada	49.0586N 113.9120W	1400	From 1992-05-15
Waterville	WVL	Maine,U.S.A.	44.5648N 69.6575W	85	
Waterville	WTV	Washington,U.S.A.	47.6986N 119.9540W	900	
Waterville	WTVE	New York,U.S.A.	42.9460N 75.3272W	426	
Waterville	C07A	Washington,U.S.A.	47.6902N 120.0613W	863	From 2006-09-19 to 2008-05-16
Waterville	WTR	Maine,U.S.A.	44.6483N 69.6556W	79	From 1951-10-01
Waterways	WS-AT	Alberta,Canada	56.6594N 111.2686W	366	From 1965-10-14 to 1965-11-15
Waterways	WS-	Alberta,Canada	56.6594N 111.2686W	366	From 1965-10-14 to 1965-11-15
Watheroo	WAT	Western Australia,Australia	30.3167S 115.8830E		From 1958-01-01 to 1959-12-31
Watom Island	EWT	New Britain,Papua New Guinea	4.1150S 152.0880E	30	
Watseka	WQ-IL	Illinois,U.S.A.	40.8656N 87.5864W	198	
Watson	WA-	Oklahoma,U.S.A.	34.4417N 94.4911W	305	From 1962-10-17 to 1962-10-27
Watson	WA-OK	Oklahoma,U.S.A.	34.4417N 94.4911W	305	From 1962-10-17 to 1962-10-27
Watson Lake	WALK	Missouri,U.S.A.	36.5394N 89.5423W	87	
Watson Lake	WL-	Yukon Territory,Canada	60.1167N 128.7644W	716	From 1965-10-16 to 1965-11-15
Watson Lake	WL-YK	Yukon Territory,Canada	60.1167N 128.7644W	716	From 1965-10-16 to 1965-11-15
Wattenberg	WTTA	Austria	47.2638N 11.6363E	1764	From 1991-02-09
Wattenberg Ranch, Walden	N22A	Colorado,U.S.A.	40.8023N 106.4544W	2472	From 2007-11-27
Watts Point	WPB	British Columbia,Canada	49.6570N 123.2100W	273	From 1983-01-20
Wau	WAU	Papua New Guinea	7.3456S 146.7165E	1083	From 1996-05-09
Waubonsee CC	WCIL	Illinois,U.S.A.	41.7961N 88.4590W	214	
Waverly	WVT	Tennessee,U.S.A.	36.1297N 87.8300W	170	
Waxell Ridge	WAX	Alaska,U.S.A.	60.4500N 142.8520W	975	From 1975-08-22
Waynesburg	WAY	Pennsylvania,U.S.A.	39.9017N 80.1850W	329	From 1956-06-01 to 1964-12-31
Weather Observatory	WOB	Hawaii,U.S.A.	19.5385N 155.5830W	3396	
Weaver Farm	KWE	England,United Kingdom	53.0166N 1.8435W	320	From 1988-01-01
Weber Canyon	WBC	Utah,U.S.A.	41.1397N 111.9008W	1602	
Wegel	WGLY	New York,U.S.A.	41.3589N 73.8994W	152	
Weija	WEGH	Ghana	5.5933N 0.3269W	180	From 1987-01-01
Weil am Rhein	WEIL	Baden-Wurttemberg,Germany	47.5930N 7.6007E	246	From 2000-11-16
Weingarten	WEIN	Switzerland	47.5287N 8.9859E	555	From 2003-08-29
Weissweiler	BA03	Nordrhein-Westfalen,Germany	50.8379N 6.3866E	120	From 2006-10-01
Welcome	WEO	Ontario,Canada	44.0187N 78.3743W	149	From 1982-04-30
Welkom	WKM	Orange Free State,South Africa	28.0050S 26.7617E	1340	
Wellesley Island	WLI	New York,U.S.A.	44.3090N 76.0098W	90	From 1974-08-01 to 1976-08-16
Wellington	WEL	North Island,New Zealand	41.2861S 174.7680E	122	From 1915-01-01
Wells	M12A	Nevada,U.S.A.	41.4157N 114.9151W	1930	From 2006-05-05 to 2008-08-09
Wellsville	WVUT	Utah,U.S.A.	41.6102N 111.9590W	1828	From 1979-08-01
Welschbruch	WLS	Alsace,France	48.4133N 7.3533E	775	From 1963-01-01
Wemindji, Quebec	WEMQ	Quebec,Canada	53.0535N 77.9737W	172	From 2005-06-23
Wenas	WNS	Washington,U.S.A.	46.7103N 120.5750W	1000	
Wenatchee	WEN	Washington,U.S.A.	47.5295N 120.1940W	1061	
Wenatchee	WNW	Washington,U.S.A.	47.5295N 120.1940W	1061	From 1975-06-01
Wenatchee Ridge	WRW	Washington,U.S.A.	47.8572N 120.8811W	1189	
Wendo Genet	WNDE	Ethiopia	7.0979N 38.6349E	1841	
Wendover, West Wendover	N13A	Nevada,U.S.A.	40.8556N 114.2045W	1385	From 2006-05-19 to 2008-08-20
Wente Vineyards, Livermore	WENL	California,U.S.A.	37.6221N 121.7570W	138	From 1998-07-15
Weppner Ranch, Escalante	S16A	Utah,U.S.A.	37.7222N 111.5961W	1785	From 2007-08-01 to 2009-03-12
Werda	WERD	Sachsen,Germany	50.4476N 12.3064E	589	From 2001-06-13
Werner Place, Edgewood	W23A	New Mexico,U.S.A.	35.1605N 106.1503W	2020	From 2008-04-20
Wernitzgruen	WERN	Sachsen,Germany	50.2874N 12.3761E	672	From 2000-08-02
Werombi	WER	New South Wales,Australia	33.9503S 150.5803E	226	From 1959-01-01
Wesley	DWS	Dominica	15.5685N 61.3113W	61	
Wesleyville	WLVO	Ontario,Canada	43.9236N 78.3970W	70	From 1990-11-07
Wesser Bold	WSSR	North Carolina,U.S.A.	35.2778N 83.5780W	1390	From 1985-11-01 to 2008-02-13
West Alisa	AWAL	Egypt	23.3792N 32.5825E		
West Arenal	WARN	Costa Rica	10.4620N 84.7208W	580	
West Ashley	WSS	South Carolina,U.S.A.	32.8468N 80.2717W	9	From 1983-01-01
West Bay, Grand Cayman	WBCY	Cayman Islands	19.3767N 81.3975W	1	From 2011-01-01
Westboro	WGMA	Massachusetts,U.S.A.	42.2890N 71.5850W	130	
West Boundary	YPWB	Montana,U.S.A.	44.6058N 111.1008W	2310	
West Bromwich	WBE	England,United Kingdom	52.5333N 2.0000W	156	
West Butte Ranch, Sweetgrass	A16A	Montana,U.S.A.	48.9482N 111.5968W	1394	From 2007-09-16 to 2009-08-11
Westby	A24A	North Dakota,U.S.A.	48.9239N 104.0018W	677	From 2008-09-12 to 2010-07-14
West Carthage	WCNY	New York,U.S.A.	43.9810N 75.6549W	245	From 2007-06-27
Westchester CC	WCCN	New York,U.S.A.	41.0684N 73.7914W	144	
Westchester Community College	WCC	New York,U.S.A.	41.0585N 73.7918W	100	From 1987-01-01 to 2006-05-18
West Dahl East	WESE	Alaska,U.S.A.	54.4726N 164.5863W	930	
West Dahl North	WESN	Alaska,U.S.A.	54.5685N 164.5833W	549	
West Dahl South	WESS	Alaska,U.S.A.	54.4794N 164.7226W	908	
Western Deep Levels Mine	WDLM	South Africa	26.4238S 27.4222E	1680	From 2009-12-08
Western Traverse Mountains	WTU	Utah,U.S.A.	40.4548N 111.9530W	1579	From 1992-06-09
Westford	WFM	Massachusetts,U.S.A.	42.6106N 71.4906W	88	From 1976-05-01
West Island	COCO	Cocos Islands	12.1901S 96.8349E	-69	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
West Kalabsha	AWKL	Egypt	23.4252N	32.4470E		
West Kanaga	AT1	Alaska,U.S.A.	51.6650N	177.6420W	61	From 1975-01-01 to 1976-10-31
West Kanaga	AK1	Alaska,U.S.A.	51.6650N	177.6420W	61	From 1976-10-01 to 1992-02-01
Westland Maintenance Station	PWMM	California,U.S.A.	36.4328N	120.2110W	72	
West Mesa	WMA	New Mexico,U.S.A.	35.0722N	106.8560W	1804	
West Middle School	WMS	South Carolina,U.S.A.	33.4258N	80.7408W	34	
West Monroe	WMNY	New York,U.S.A.	43.3560N	76.0313W	158	
Westmoorings	TWMO	Trinidad and Tobago	10.6700N	61.5600W	0	
Westmoreland	WEST	New York,U.S.A.	43.1635N	75.4800W	167	
Westmorland	WML	California,U.S.A.	33.0152N	115.6225W	-44	
West Mountain	WMU	Utah,U.S.A.	40.0883N	111.8230W	2053	From 1973-12-01 to 1981-08-31
West Mountain	WMUT	Utah,U.S.A.	40.0767N	111.8330W	1981	From 1981-07-01
Weston	WES	Massachusetts,U.S.A.	42.3847N	71.3221W	60	From 1930-12-01
West Park	WPNY	New York,U.S.A.	41.8030N	73.9707W	76	From 1978-05-22 to 1986-09-30
West Pit	WPH	Hawaii,U.S.A.	19.4117N	155.2920W	1115	From 1962-10-31 to 1999-08-25
Westport, CT	WSPT	Connecticut,U.S.A.	41.1700N	73.3300W	50	From 2008-06-19
West Portland	WPO	Oregon,U.S.A.	45.5733N	122.7900W	334	From 1986-10-01
Westray	OWE	Orkney Islands,United Kingdom	59.3180N	3.0289W	87	From 1995-09-21
West Salem	WSIL	Illinois,U.S.A.	38.4981N	88.0750W	15	
Westside ANR, Five Points	U05C	California,U.S.A.	36.3356N	120.1205W	92	From 2004-12-06 to 2007-12-06
Westside School	WESC	California,U.S.A.	32.7590N	115.7316W	-8	
West Thumb	WTW	Wyoming,U.S.A.	44.4145N	110.5710W	2365	From 1972-10-01 to 2004-03-05
West Tongariro	WTVZ	North Island,New Zealand	39.1170S	175.5895E	1160	From 2004-03-04
West Valley	WVLY	New York,U.S.A.	42.4708N	78.5683W	600	From 1977-11-03 to 2002-12-20
West Valley, New York	WVNY	New York,U.S.A.	42.4062N	78.6042W	490	From 2010-08-05
West Yellowstone	YWY	Montana,U.S.A.	44.6058N	111.0970W	2292	From 1974-10-01 to 2004-03-05
Wether Hill Road	WHZ	South Island,New Zealand	45.8947S	167.9470E	320	From 1993-03-01
Wettswil, ZR	EWZT2	Switzerland	47.3373N	8.4932E	690	From 2009-08-29
Wettzell	WET	Bayern,Germany	49.1440N	12.8782E	613	From 1975-01-01
Wetzens (Niawier)	NIW3	Netherlands	53.3548N	6.0429E	-36	From 2009-05-20
Wetzens (Niawier)	NIW1	Netherlands	53.3548N	6.0429E	24	From 2009-05-20
Wetzens (Niawier)	NIW4	Netherlands	53.3548N	6.0429E	-66	From 2009-05-20
Wetzens (Niawier)	NIW2	Netherlands	53.3548N	6.0429E	-6	From 2009-05-20
Wewak	WEK	Papua New Guinea	3.4236S	143.6875E	10	From 1968-10-24 to 1969-02-28
Wewak	WWW	Papua New Guinea	3.5858S	143.6400E	100	From 1982-09-29 to 1999-08-25
Wewak	WEW	Papua New Guinea	3.5544S	143.6260E	10	From 1968-09-11
Wewakk	WWKK	Papua New Guinea	3.6230S	143.6240E	442	From 1992-05-26
Whakaora	WHTZ	North Island,New Zealand	38.6678S	175.9574E	780	
Whakapapa	WPVZ	North Island,New Zealand	39.2058S	175.5458E	1220	From 2003-12-10
Whakapapataringa	WPRZ	North Island,New Zealand	38.5196S	176.1624E	519	From 2010-03-24
Whakatane	WTZ	North Island,New Zealand	37.9847S	176.9880E	43	From 1971-06-02 to 1990-11-21
Whakatau	WHH	North Island,New Zealand	38.8845S	176.4950E	921	From 1987-03-01 to 1999-08-25
Whale Back Mountain	WMOR	Oregon,U.S.A.	42.9028N	122.5920W	1860	From 1991-09-01
Whangaehu Hut	WHVZ	North Island,New Zealand	39.2825S	175.5886E	2105	From 2009-04-14
Wharram Farm, Highwood	C17A	Montana,U.S.A.	47.6327N	110.7626W	1080	From 2007-09-01 to 2009-09-06
Wheatland	L24A	Wyoming,U.S.A.	42.0432N	104.9326W	1479	From 2008-07-13
Wheeler Ranch, Garrison	Q13A	Utah,U.S.A.	38.9551N	114.0202W	1583	From 2007-03-02 to 2008-09-04
Wheeler Ridge	WERC	California,U.S.A.	35.0605N	119.0271W	130	From 2001-10-30
Whinburgh	AWH	England,United Kingdom	52.6300N	0.9511E	60	From 1980-05-01
Whinny Nab	LWH	England,United Kingdom	54.3335N	0.6714W	265	From 1991-01-01
Whipple Mountains 2	WH2	California,U.S.A.	34.3145N	114.4092W	1245	From 1974-10-01
Whiskey Butte	WBI	Idaho,U.S.A.	46.5826N	115.9790W	1341	From 1971-10-01 to 1976-01-14
Whiskeytown Dam	WDC	California,U.S.A.	40.5799N	122.5411W	268	From 1973-01-01
Whistler	WHB	British Columbia,Canada	50.1280N	122.9550W	695	
Whistler	WSLR	British Columbia,Canada	50.1265N	122.9212W	906	
Whitaker Ranch, Olney	Z33A	Texas,U.S.A.	33.2865N	98.7648W	362	From 2009-11-06
White Bluff	WBL	Washington,U.S.A.	46.5983N	119.4590W		
Whiteface	WNH	New Hampshire,U.S.A.	43.8683N	71.3997W	220	From 1976-01-01
Whitefish	B13A	Montana,U.S.A.	48.3739N	114.4676W	933	From 2006-09-25 to 2009-08-07
White Fish Lake	WHFN	Northwest Territories,Canada	62.5592N	107.0865W	365	From 2008-07-10
Whitehall	WLZ	North Island,New Zealand	37.8411S	175.5878E	180	From 1989-10-30 to 2003-09-09
Whitehorse	WH2*	Yukon Territory,Canada	60.6947N	134.9672W	853	From 1966-11-24
Whitehorse	WH-	Yukon Territory,Canada	60.7342N	135.1492W	762	From 1965-10-21 to 1965-11-15
Whitehorse	WH-YK	Yukon Territory,Canada	60.7342N	135.1492W	762	From 1965-10-21 to 1965-11-15
Whitehorse	WHC	Yukon Territory,Canada	60.7367N	135.0980W	734	From 1971-09-01 to 1993-08-24
Whitehorse	WHY	Yukon Territory,Canada	60.6597N	134.8810W	1292	From 1993-08-27
Whitehorse	WH2YK	Yukon Territory,Canada	60.6947N	134.9672W	853	From 1966-11-24
White Island	WIZ	North Island,New Zealand	37.5283S	177.1890E	40	From 1976-12-01
White-Moore Ranch, Lipan	134A	Texas,U.S.A.	32.5729N	98.0795W	297	From 2009-11-16
White Mtn Res Sta-Crooked Creek, Bishop	S08C	California,U.S.A.	37.4993N	118.1711W	3087	From 2005-08-02 to 2007-10-03
White Oak Lake	WLAR	Arkansas,U.S.A.	33.6875N	93.1120W	77	
White Oak Mountain	WMTN	Tennessee,U.S.A.	35.2480N	84.9732W	378	From 1985-07-24
White Pass	WPW	Washington,U.S.A.	46.6982N	121.5470W	1250	
White Pine	WPM	Michigan,U.S.A.	46.7515N	89.5549W	193	From 1973-01-01
White River	YUK2	Yukon Territory,Canada	61.7868N	140.8426W	1229	From 2010-08-28
White River	WTRB	British Columbia,Canada	50.1298N	126.0353W	353	From 2005-04-21
White River City	O20A	Colorado,U.S.A.	40.1348N	108.2416W	1915	From 2007-11-12
White River Glacier	WRG	Alaska,U.S.A.	60.0378N	142.0320W	550	From 1974-09-10
White Rock	WKB	British Columbia,Canada	49.0437N	122.8180W	110	
White Salmon	F05A	Washington,U.S.A.	45.8839N	121.4588W	454	From 2005-11-02 to 2008-01-26
Whites Canyon	WTCR	Nevada,U.S.A.	39.3890N	119.8392W	1890	
White Tail Canyon, San Simon	219A	Arizona,U.S.A.	31.9989N	109.2592W	1581	From 2007-03-10 to 2009-01-19
Whitewater	WWR	California,U.S.A.	33.9918N	116.6560W	702	From 1975-01-01
Whiting Field	WFF	Florida,U.S.A.	30.7083N	87.0167W		From 1949-01-01 to 1956-12-31
Whitney	WHI	Hawaii,U.S.A.	19.4317N	155.2620W	1210	From 1961-01-01 to 1963-02-01
Whyalla	WHYH	South Australia,Australia	33.0330S	137.5744E	43	From 2009-01-01
Wichita Mountains	WMOK	Oklahoma,U.S.A.	34.7379N	98.7810W	486	From 1992-09-30
Wichita Mountains Array	WMO	Oklahoma,U.S.A.	34.7182N	98.5891W	505	
Wickenburg	Y14A	Arizona,U.S.A.	33.9383N	113.0048W	730	From 2006-03-14
Wield Dalam	WDD	Malta	35.8670N	14.5230E	41	
Wiesbaden	GWBE	Hessen,Germany	50.1076N	8.1814E	271	From 2001-11-22
Wiest Lake	WLK	California,U.S.A.	33.0513N	115.4910W	-52	From 1973-04-16
Wiggins	O25A	Colorado,U.S.A.	40.1129N	104.1201W	1444	From 2008-07-03
Wijnaldum	WYN4	Netherlands	53.1995N	5.4577E	-120	From 2010-03-04
Wijnaldum	WYN3	Netherlands	53.1995N	5.4577E	-90	From 2010-03-04
Wijnaldum	WYN2	Netherlands	53.1995N	5.4577E	-60	From 2010-03-04
Wijnaldum	WYN1	Netherlands	53.1995N	5.4577E	-30	From 2010-03-04
Wila	WILA	Switzerland	47.4147N	8.9075E	908	From 2000-01-12
Wilburton Instructional Services Center	WISC	Washington,U.S.A.	47.6089N	122.1744W	10	
Wildcat Mountain	WCT	Nevada,U.S.A.	36.7928N	116.6257W	977	From 1981-04-08
Wildenmoos	RWMO	Bayern,Germany	47.7440N	12.7300E	763	From 2001-04-09
Wildhorse	WLDR	Nevada,U.S.A.	38.8235N	118.5747W	1798	
Wild Horse	WHU	Utah,U.S.A.	39.3806N	112.1700W	1993	From 1974-10-01 to 1981-10-31
Wild Horse Canyon	WLD	Utah,U.S.A.	38.4603N	112.8640W	1804	
Wildhorse Creek, Mackay	I13A	Idaho,U.S.A.	43.9146N	114.1169W	2104	From 2007-01-10 to 2009-06-03
Wild Horse Parks	WHM	Montana,U.S.A.	46.7621N	113.1810W	1792	From 1974-09-06 to 1976-10-04
Wild Horse Valley	WVOR	Oregon,U.S.A.	42.4339N	118.6370W	1344	From 1994-06-01
Wildlife	WLJ	Utah,U.S.A.	40.6133N	111.3447W	2075	From 1992-11-04
Wilkes	WIL	Wilkes Land	66.2592S	110.5270E	10	From 1957-01-01 to 1966-12-23
Wilkes Camp	WIH	Hawaii,U.S.A.	19.4692N	155.5840W	4037	
Wilkinson Ranch, McDermitt	L09A	Nevada,U.S.A.	42.0192N	117.6667W	1430	From 2006-04-25 to 2008-04-02
Willalooka	WKA	South Australia,Australia	36.4170S	140.3210E	40	From 1979-03-01
Williams	W15A	Arizona,U.S.A.	35.1787N	112.2666W	2034	From 2006-03-11 to 2008-11-08
Williams	WM-AZ	Arizona,U.S.A.	35.4178N	112.2150W	1920	From 1961-12-12 to 1962-05-03
Williams	WM-	Arizona,U.S.A.	35.4178N	112.2150W	1920	From 1961-12-12 to 1962-05-03
Williams	WMZ	Arizona,U.S.A.	35.1581N	112.3200W	2018	From 1986-01-31
Williamsburg	WBO	Ontario,Canada	45.0003N	75.2750W	85	From 1980-12-09
Williams Family Ranch, Las Cruces	222A	New Mexico,U.S.A.	32.1046N	107.1013W	1324	From 2008-02-14 to 2010-01-17
Williams Farm, Concordia	P33A	Kansas,U.S.A.	39.4363N	97.6946W	488	From 2009-09-20
Williams Lake	WK-	British Columbia,Canada	52.1786N	121.9817W	975	From 1962-10-17 to 1962-10-27
Williams Lake	WK-BC	British Columbia,Canada	52.1786N	121.9817W	975	From 1962-10-17 to 1962-10-27
Williams Ranch	WRC	California,U.S.A.	35.2983N	118.6120W	430	From 1952-01-01 to 1953-12-31
Williamstown	WLL	Massachusetts,U.S.A.	42.7142N	73.2111W	220	
Willow Creek	WICI	Idaho,U.S.A.	44.1750N	113.8870W	2088	
Willow Creek	WCU	Utah,U.S.A.	38.9647N	112.0907W	2673	From 1978-02-01
Willow Creek Ranch, Ely	Q12A	Nevada,U.S.A.	39.0400N	114.8299W	1625	From 2006-05-26 to 2008-09-04
Willow Gulch Bison Ranch, Deer Trail	P25A	Colorado,U.S.A.	39.5125N	104.1680W	1753	From 2008-06-10
Willow Mountain	WLM	Alaska,U.S.A.	61.7736N	145.1980W	988	From 1972-02-24 to 1972-07-22
Wills Point	WP-TX	Texas,U.S.A.	32.6069N	95.8861W	161	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Willung South	WILL	Victoria,Australia	38.3393S	146.7367E	425	
Willy Bob	ANWB	Barbuda,Antigua and Barbuda	17.6685N	61.7856W	39	
Wilmington	WNC	North Carolina,U.S.A.	34.0581N	78.2461W	20	From 1976-05-03
Wilmington	WNY	New York,U.S.A.	44.3910N	73.8595W	598	From 1971-10-01
Wilpena Pound	FR27	South Australia,Australia	31.5230S	138.6230E	534	From 2003-09-17
Wilshire Harrah	OK002	Oklahoma,U.S.A.	35.5493N	97.1966W	354	
Wilson	WLO	Oklahoma,U.S.A.	34.0648N	97.3697W	284	From 1977-04-25
Wilson Butte	WBW	Washington,U.S.A.	48.0178N	119.1370W	826	From 1975-06-01
Wilson Creek	WCK	Kentucky,U.S.A.	36.9340N	88.8740W	137	From 1974-07-19
Wilson Peak	WPI	Idaho,U.S.A.	43.2889N	116.7500W		
Wimmelburg	WIMM	Sachsen-Anhalt,Germany	51.5210N	11.5050E	80	From 2008-07-16
Wimmis	WIMIS	Switzerland	46.6649N	7.6242E	770	From 2000-05-24
Windham	WND	New York,U.S.A.	42.3373N	74.1525W	602	From 1976-10-08
Windhoek	WIN	Namibia	22.5667S	17.1000E	1728	From 1959-01-01
WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	WBI	Victoria Land	77.7315S	167.5874E	42	From 2001-12-02
Windom	WD-	Minnesota,U.S.A.	44.1161N	95.1550W	381	
Windom	WD-MN	Minnesota,U.S.A.	44.1161N	95.1550W	381	
Window Rock	V19A	Arizona,U.S.A.	35.7147N	109.0456W	2082	From 2007-05-10 to 2009-02-21
Windsor	WNR	Ontario,Canada	42.2583N	83.1056W	-122	From 1978-03-08 to 1979-04-30
Windy Craggy	WCBC	British Columbia,Canada	59.6278N	137.7160W	750	From 1988-06-10 to 1990-08-06
Winespring Bald	WSNC	North Carolina,U.S.A.	35.1725N	83.5806W	1640	
Winneba	WIGH	Ghana	5.3636N	0.6189W	64	From 1987-01-01
Winnemucca	WMN	Nevada,U.S.A.	40.9800N	117.9200W	1524	From 1974-03-01 to 1975-07-31
Winnemucca	WI-NV	Nevada,U.S.A.	41.3506N	117.4583W	1524	From 1961-12-10 to 1964-03-03
Winnemucca	WI-	Nevada,U.S.A.	41.3506N	117.4583W	1524	From 1961-12-10 to 1964-03-03
Winner	WN-	South Dakota,U.S.A.	43.2522N	100.1961W	792	From 1961-12-01 to 1966-10-31
Winner	WN-SD	South Dakota,U.S.A.	43.2522N	100.1961W	792	From 1961-12-01 to 1966-10-31
Winslow	W17A	Arizona,U.S.A.	35.0789N	110.7127W	1461	From 2007-04-28 to 2009-02-04
Winslow	WO-AZ	Arizona,U.S.A.	34.8814N	110.6208W	1585	From 1964-04-01 to 1965-10-04
Winslow	WO-	Arizona,U.S.A.	34.8814N	110.6208W	1585	From 1964-04-01 to 1965-10-04
Winter Ranch, Mooreland	U32A	Oklahoma,U.S.A.	36.3795N	99.0014W	525	From 2009-10-24
Winters	Q03C	California,U.S.A.	38.6333N	122.0145W	108	From 2005-06-28 to 2007-12-04
Wintersburg	Z14A	Arizona,U.S.A.	33.3627N	112.9458W	297	From 2006-03-16
Winterswijk	NE40	Netherlands	51.9755N	6.7350E	37	
Winterswijk	WTS	Netherlands	51.9956N	6.8100E	43	From 1976-07-01 to 2005-05-27
Winterswijk	WTSB	Netherlands	51.9663N	6.7989E	43	
Winthrop	B07A	Washington,U.S.A.	48.4607N	120.1197W	781	From 2006-09-15 to 2008-05-15
Wisdom	F14A	Montana,U.S.A.	45.8122N	113.3699W	1851	From 2006-10-19 to 2009-07-09
Wishkah	WISH	Washington,U.S.A.	47.1172N	123.7699W	45	
Wishkah Elem. School, Wishkah	D03A	Washington,U.S.A.	47.1161N	123.7714W	31	From 2004-09-16 to 2008-02-13
Wister	WIS	California,U.S.A.	33.2760N	115.5930W	-68	
Witteveen	NE04	Netherlands	52.8133N	6.6683E		From 1982-07-01
Witteveen	WIT	Netherlands	52.8133N	6.6683E	17	From 1982-07-01
Witton	AWI1	England,United Kingdom	52.8319N	1.4471E	46	From 1983-01-01
Wittsburg Lake	WLA	Arkansas,U.S.A.	35.1860N	90.7160W	113	From 1979-08-02
Witu Islands	WITU	New Britain,Papua New Guinea	4.6925S	149.4890E	100	From 1983-11-24
Wivenhoe Hill 3	WWHQ	Queensland,Australia	27.3702S	152.5872E		From 1984-07-12
WK&E Inc. Balko	U30A	Oklahoma,U.S.A.	36.5304N	100.6509W	881	From 2009-04-06
W Memph W Sta	HDAR	Tennessee,U.S.A.	35.1536N	90.0893W	0	
Wolfeboro	WBNH	New Hampshire,U.S.A.	43.6040N	71.0990W	200	
Wollersheim	BA14	Nordrhein-Westfalen,Germany	50.6717N	6.5661E	239	From 2006-10-01
Wollman Farm, Schrag	D08A	Washington,U.S.A.	47.0573N	118.9210W	385	From 2006-08-29 to 2008-11-12
Wolverton	WOL	England,United Kingdom	51.3127N	1.2228W	156	
Wolverton North	WON	England,United Kingdom	51.3275N	1.2008W	104	
Wonder Ranch	GWRM	California,U.S.A.	39.2072N	123.3000W	658	
Wongan Hills	WA1	Western Australia,Australia	30.9098S	116.7280E	260	From 1973-01-31 to 1973-05-19
Wonju	KSWJU	South Korea	37.4034N	128.0526E	385	From 2005-11-24
Wonju	KSWON	South Korea	37.3342N	127.9426E	149	From 1999-04-20
Wonju Array Beam Reference Point	KSAR	South Korea	37.4421N	127.8844E	109	
Wonju Array Site 1	KS01	South Korea	37.4766N	127.8940E	185	
Wonju Array Site 10	KS10	South Korea	37.4961N	127.9302E	210	
Wonju Array Site 11	KS11	South Korea	37.4808N	127.9535E	122	
Wonju Array Site 12	KS12	South Korea	37.4644N	127.9427E	176	
Wonju Array Site 13	KS13	South Korea	37.4458N	127.9302E	126	
Wonju Array Site 14	KS14	South Korea	37.4336N	127.9094E	132	
Wonju Array Site 16	KS16	South Korea	37.4516N	127.8557E	123	
Wonju Array Site 17	KS17	South Korea	37.4674N	127.8407E	139	
Wonju Array Site 18	KS18	South Korea	37.4861N	127.8444E	164	
Wonju Array Site 19	KS19	South Korea	37.5019N	127.8669E	276	
Wonju Array Site 2	KS02	South Korea	37.4953N	127.9032E	233	
Wonju Array Site 3	KS03	South Korea	37.4783N	127.9177E	155	
Wonju Array Site 32	KS32	South Korea	37.5778N	127.9519E	232	
Wonju Array Site 33	KS33	South Korea	37.7561N	128.0260E	250	
Wonju Array Site 34	KS34	South Korea	37.6028N	128.1480E	264	
Wonju Array Site 35	KS35	South Korea	37.4694N	128.0685E	177	
Wonju Array Site 36	KS36	South Korea	37.5679N	127.7190E	131	
Wonju Array Site 37	KS37	South Korea	37.7153N	127.7975E	122	
Wonju Array Site 4	KS04	South Korea	37.4566N	127.9207E	123	
Wonju Array Site 5	KS05	South Korea	37.4574N	127.8924E	139	
Wonju Array Site 6	KS06	South Korea	37.4708N	127.8719E	408	
Wonju Array Site 7	KS07	South Korea	37.4874N	127.8727E	237	
Wonju Array Site 8	KS08	South Korea	37.5153N	127.8882E	277	
Wonju Array Site 9	KS09	South Korea	37.5108N	127.9224E	323	
Wonju Array Sites 15 and 31	KS15	South Korea	37.4421N	127.8844E	112	
Wonogiri, Jawa	WOJI	Jawa,Indonesia	7.8372S	110.9236E	0	From 2008-12-01
Wooded Island	WIW	Washington,U.S.A.	46.4293N	119.2877W	128	From 1970-07-01
Wood Farm, Starbuck	E09A	Washington,U.S.A.	46.5139N	118.1455W	304	From 2006-09-26 to 2009-01-08
Woodlark Island	WDIS	D'Entrecasteaux Islands,Papua New Guinea	9.0850S	152.7190E	80	From 1983-11-21
Wood River Hill	WRH	Alaska,U.S.A.	64.4713N	148.0900W	314	
Woodside	WDS	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodside	JWSM	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodside	LT6	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodstock	WOO	Maryland,U.S.A.	39.3333N	76.8750W		
Wood Valley	WOH	Hawaii,U.S.A.	19.2513N	155.5020W	909	
Woodward Ranch, Alpine	527A	Texas,U.S.A.	30.1456N	103.6119W	1419	From 2008-03-06 to 2010-02-08
Woody	WDY	California,U.S.A.	35.7000N	118.8430W	500	From 1952-08-05 to 1970-08-27
Woody Point	WPA	Queensland,Australia	27.2603S	153.2560E	10	
Woolen Ranch, Alma	O31A	Nebraska,U.S.A.	40.1521N	99.3261W	631	From 2009-09-13
Woolibar	WOOL	Western Australia,Australia	31.0730S	121.6780E	325	From 1994-06-01
Wooly Hollow	WHAR	Arkansas,U.S.A.	35.2902N	92.2885W	184	
Woomera	WSA	South Australia,Australia	31.1450S	136.8050E		
Worcester	WOR	Massachusetts,U.S.A.	42.2667N	71.8000W	203	
Workman Tunnel	WTX	New Mexico,U.S.A.	34.0722N	106.9460W	1555	
Work Ranch	WKR	California,U.S.A.	35.8145N	120.5110W	503	
Work Ranch	PWKM	California,U.S.A.	35.8145N	120.5110W	503	
Work Ranch	PK2	California,U.S.A.	35.8145N	120.5110W	503	
Worland	I20A	Wyoming,U.S.A.	43.9496N	108.1283W	1342	From 2008-07-27
Woronora	WRNM	New South Wales,Australia	34.1414S	150.9516E	259	
Worthington Mountains	WRN	Nevada,U.S.A.	37.9815N	115.5906W	1743	From 1979-06-08 to 2002-10-10
Woss	WOSB	British Columbia,Canada	50.1607N	126.5704W	955	
Woudbloem	WDB	Netherlands	53.2090N	6.7349E	-2	
Woudbloem 1	WDB1	Netherlands	53.2083N	6.7355E	-49	From 2010-04-29
Woudbloem 2	WDB2	Netherlands	53.2083N	6.7355E	-99	From 2010-04-29
Woudbloem 3	WDB3	Netherlands	53.2083N	6.7355E	-149	From 2010-04-29
Woudbloem 4	WDB4	Netherlands	53.2083N	6.7355E	-199	From 2010-04-29
Wrangell Chichokna Glacier	WACK	Alaska,U.S.A.	61.9863N	144.3284W	2280	
Wrangell Island	WRAK	Alaska,U.S.A.	56.4191N	132.3466W	80	
Wrangell Mount Zanetti	WAZA	Alaska,U.S.A.	62.0751N	144.1522W	2531	
Wrangell North Crater	WANC	Alaska,U.S.A.	62.0031N	144.0699W	4190	
Wrangell Southwest	WASW	Alaska,U.S.A.	61.9282N	144.1724W	2196	
Wright Ranch	NWRM	California,U.S.A.	38.4570N	122.8880W	50	From 1970-08-14
Wright's Hill	WHW	North Island,New Zealand	41.2975S	174.7380E	383	From 1975-09-26 to 2003-08-15
Wright State University--Celina	WSCO	Ohio,U.S.A.	40.5460N	84.5090W	270	
Wright State University--Dayton	WSDO	Ohio,U.S.A.	39.7830N	84.0630W	289	
Wristen Ranch, Grandfalls	328A	Texas,U.S.A.	31.3818N	102.8097W	755	From 2008-04-22 to 2010-02-13
Wroclaw	BRE	Poland	51.0742N	16.9994E	125	From 1928-01-01 to 1945-01-01
Wuestenhain	WUET	Sachsen,Germany	51.0093N	12.5802E	196	From 2004-07-08
Wu-fen Shan	WFSB	Taiwan region	25.0710N	121.7810E	100	
Wu-fen Shan	NWF	Taiwan region	25.0710N	121.7810E	765	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Wuhan	WHN	Hubei,China	30.5436N	114.3500E	26	
Wuhan	WUC	Hubei,China	30.5436N	114.3500E	26	
Wuhan	WUH	Hubei,China	30.5267N	114.5580E	50	
Wulai	TWU	Taiwan region	24.8775N	121.5336E	330	From 1977-11-08
Wupatki	WUAZ	Arizona,U.S.A.	35.5169N	111.3739W	1592	From 1998-05-12
Wushi	WUS	Xinjiang Uygur Zizhiqu,China	41.1990N	79.2180E	1457	From 1988-10-21
Wuwei	WUW	Gansu,China	37.9283N	102.6380E		
Wyandotte	OWYM	California,U.S.A.	39.4530N	121.4870W	168	
Wyandotte	OWAM	California,U.S.A.	39.4530N	121.4870W	168	From 1975-08-05
Wyandotte Cave	WCI	Indiana,U.S.A.	38.2290N	86.2938W	500	
Wyangala	WYA	New South Wales,Australia	33.9269S	148.9240E		
Wyhlen	WYH	Baden-Wurttemberg,Germany	47.5508N	7.7018E	310	From 1987-04-14
Wykoff	WF-MN	Minnesota,U.S.A.	43.8014N	92.3731W	381	From 1964-08-30 to 1964-11-24
Wykoff	WF-	Minnesota,U.S.A.	43.8014N	92.3731W	381	From 1964-08-30 to 1964-11-24
Wynnburg	WYBT	Tennessee,U.S.A.	36.3477N	89.4975W	82	
Wynne	WY-AR	Arkansas,U.S.A.	35.6122N	90.7069W	122	
Wynne	WY-	Arkansas,U.S.A.	35.6122N	90.7069W	122	
Wyoming Array	WYO	Wyoming,U.S.A.	42.7778N	109.5556W	2190	From 1977-06-20 to 1999-08-25
Wyoming Array	WY0	Wyoming,U.S.A.	42.7778N	109.5560W	2190	From 1977-06-20 to 1999-08-25
X Bar L Ranch, Newkirk	W25A	New Mexico,U.S.A.	35.2177N	104.4606W	1446	From 2008-04-24
Xhotanan	XTNZ	Armenia	39.2800N	46.3800E	0	
Xi'an	SPE	Shaanxi,China	34.0394N	108.9210E	630	
Xi'an	XAN	Shaanxi,China	34.0394N	108.9214E	630	
Xi'an	SIA	Shaanxi,China	34.2483N	108.9200E	395	
Xingo	XIN	Alagoas,Brazil	9.4483S	37.8364W	285	From 1991-01-01
Xining	SNN	Qinghai,China	36.6200N	101.7820E		
Xorichti	XOR	Greece	39.3661N	23.1919E	500	From 1996-01-01
Yaak	YKM	Montana,U.S.A.	48.8620N	115.7120W	1509	From 1976-10-01 to 2004-03-11
Yaak River Ranch, Troy	A12A	Montana,U.S.A.	48.9339N	115.6526W	928	From 2006-09-27 to 2009-08-05
YACYRETA	YCA	Parana	27.4815S	56.6928W	113	From 2002-06-28
Yadsworthy	DYA	England,United Kingdom	50.4352N	3.9309W	280	From 1982-01-01
Yagi	YAG	Nara,Japan	34.5167N	135.8000E	63	
Yagi	YGI	Wakayama,Japan	34.0681N	135.5119E	180	
Yagishiri	JYG	Rumoi,Japan	44.4268N	141.4265E	35	
Yahiko	YHKE	Niigata,Japan	37.7336N	138.8030E	30	
Yahtse	YAH	Alaska,U.S.A.	60.3633N	141.7450W	2135	From 1974-09-05
Yailyu, Altay Republic, Russia	YALR	Altayskiy Kray	51.7694N	87.6106E	451	From 2002-07-19
Yakak	AD5	Alaska,U.S.A.	51.6289N	176.9250W	152	From 1974-01-01 to 1992-02-01
Yakataga	YKGM	Alaska,U.S.A.	60.0700N	142.4220W	46	From 1972-10-08
Yakedake	YKE	Gifu,Japan	36.2743N	137.5730E	1160	
Yakima	YA-	Washington,U.S.A.	46.5000N	119.9200W	610	From 1963-01-29 to 1963-03-29
Yakima	E06A	Washington,U.S.A.	46.5433N	120.9791W	911	From 2006-08-28 to 2008-05-13
Yakima	YA-WA	Washington,U.S.A.	46.5000N	119.9200W	610	From 1963-01-29 to 1963-03-29
Yakima	YAKW	Washington,U.S.A.	46.5287N	120.5218W	629	
Yakima	YA2	Washington,U.S.A.	46.5265N	120.5312W	652	
Yakoun River	QURY	British Columbia,Canada	53.3763N	132.2225W	238	
Yakumo	JYM	O shima,Japan	42.2012N	140.2533E	170	
Yakumo 2	JYM2	O shima,Japan	42.1172N	140.3700E	120	
Yaku shima	YKS	Ryukyu Islands,Japan	30.4500N	130.4970E	15	
Yakushimahirauchi	JYAK	Ryukyu Islands,Japan	30.2378N	130.5097E	90	From 2010-02-01
Yakutat	YKT	Alaska,U.S.A.	59.3686N	138.8770W	372	From 1972-10-06 to 1974-09-30
Yakutat	YKU	Alaska,U.S.A.	59.5531N	139.7290W	20	From 1978-05-01 to 2004-05-13
Yakutat	YKU2	Alaska,U.S.A.	59.5121N	139.6710W	10	
Yakutsk	YAK	Sakha,Russia	62.0311N	129.6811E	91	
Yaldymych	YAT	Tajikistan	39.0500N	70.4300E	1410	
Yale	YLE	Connecticut,U.S.A.	41.3150N	72.9365W	5	
Yal¨–koy-Catalca	KIYI	Turkey	41.4846N	28.2997E	10	From 2011-01-12
Yal??k??y-??atalca	CTYL	Turkey	41.4750N	28.2891E	77	From 2007-09-29
Yallahs	YHJ	Jamaica	17.8920N	76.4930W	600	
Yalova	YLV	Turkey	40.5667N	29.3728E	829	From 1982-01-01
Yalta	YAL	Ukraine	44.4875N	34.1547E	23	
Yamagata	YAM	Yamagata,Japan	38.2533N	140.3483E	153	
Yamagata	YAMJ	Yamagata,Japan	38.1733N	140.0370E	180	From 1978-01-01
Yamanlar	YAMN	Turkey	38.5531N	27.1575E	997	From 1996-04-01 to 1999-07-01
Yamasaki	K02	Iwate,Japan	39.3744N	141.5967E	346	
Yamasaki	YZT	Hyogo,Japan	35.1030N	134.5065E	320	
Yamba Lake	YMBN	Northwest Territories,Canada	64.8742N	111.5325W	438	
Yamba Lake Northeast	YNEN	Northwest Territories,Canada	65.0883N	111.0500W	463	
Yambol	JMB	Bulgaria	42.4667N	26.5833E	216	From 1983-08-01
Yamhill	G03A	Oregon,U.S.A.	45.3153N	123.2811W	208	From 2006-07-15 to 2008-01-25
Yamizo	YMZ	Tochigi,Japan	36.9241N	140.2479E	500	From 1976-06-18
Yamizo	YMZU	Tochigi,Japan	36.9232N	140.2460E	500	From 1976-06-18
Yana	YANA	Ecuador	0.1182S	78.5712W	3780	From 1988-09-27
Yanaizu	JFY	Fukushima,Japan	37.4068N	139.7048E	420	
Yanbu' al Bahr	YNBS	Saudi Arabia	24.3396N	37.9939E	210	
Yangiyul	YNGY	Uzbekistan	41.1100N	69.0400E	352	
Yangoru	YAN	Papua New Guinea	3.6583S	143.2920E	219	
YANGPYEONG	KSYAP	South Korea	37.4848N	127.4913E	47	From 2000-01-27
Yanliau Village	TEYL	Taiwan region	23.8680N	121.5980E	30	From 1998-08-07
Yantaza	YANT	Colombia	3.8613S	78.7622W	888	From 2008-12-11
Yaongyimsen	YYI	Assam,India	26.5667N	94.6833E	707	From 1979-01-01
Yaounde	YND	Cameroon	3.8700N	11.4600E	750	From 1982-02-01 to 1986-04-23
Yaqui Meadows	YAQ	California,U.S.A.	33.1680N	116.3500W	441	
Yar	YAR	Cuba	20.3700N	76.3600W	200	
Yasaka	JKY	Kyoto,Japan	35.6285N	135.1040E	260	
Yasato	JYT	Ibaraki,Japan	36.2277N	140.1940E	31	
Yasawairara	YSA	Fiji	16.6980S	177.5777E	50	From 1984-09-22
Yasnyy	YASR	Amurskaya Oblast',Russia	53.2900N	127.9800E	330	
Yasuok	JNY	Nagano,Japan	35.3583N	137.8617E	800	
Yate Dam	BAYA	New Caledonia	22.1540S	166.8850E	163	From 2007-10-01
Yattir	YTIR	Israel	31.3630N	35.1160E	902	
Yautepec	YAIG	Morelos,Mexico	18.8620N	99.0670W	1340	
Yava	X14A	Arizona,U.S.A.	34.4692N	112.8906W	1077	From 2006-03-12 to 2008-11-06
Yavi	YJA	Jujuy,Argentina	22.1759S	65.5142W	3510	From 1981-12-01
Yayladag	YAYL	Turkey	36.0343N	36.1070E	1225	From 2006-11-27
Yaylak	YAYX	Turkey	38.9386N	33.8115E	1142	From 2010-06-30
Yayoi	YAY	Aomori,Japan	40.6572N	140.3782E	270	
Yecheon	KSYCH	South Korea	36.6296N	128.4260E	94	From 2007-12-12
Yeelanna, site6	YE6	South Australia,Australia	34.1589S	135.8323E	180	From 2003-12-11
Yeguas Mountain	YEG	California,U.S.A.	35.4363N	119.9590W	939	
Yeheng	YHNB	Taiwan region	24.6697N	121.3757E	775	
Yell	YELU	Shetland Islands,United Kingdom	60.5509N	1.0830W	200	
Yell	YEL1	Shetland Islands,United Kingdom	60.5509N	1.0830W	203	From 1979-01-01
Yellepit	YPT	Washington,U.S.A.	46.0488N	118.9622W	325	
Yellice	YELT	Turkey	40.4962N	29.1738E	765	From 1994-01-01
Yellow Bay	YBMT	Montana,U.S.A.	47.8633N	114.0115W	1415	
Yellow Creek Bluff	YCB	Alaska,U.S.A.	56.6483N	158.6820W	320	From 1974-01-01
Yellowknife	YKC	Northwest Territories,Canada	62.4783N	114.4730W	198	From 1964-07-15
Yellowknife	RSNT	Northwest Territories,Canada	62.4797N	114.5920W	50	From 1982-01-01 to 1987-12-31
Yellowknife Ar.	YKR8	Northwest Territories,Canada	62.4932N	114.6050W	197	From 1962-01-01
Yellowknife Array	YKR0	Northwest Territories,Canada	62.4931N	114.5090W	205	From 1962-01-01 to 1976-05-31
Yellowknife Array Beam Reference Point	YKA	Northwest Territories,Canada	62.4932N	114.6053W	197	From 1962-01-01
Yellowknife Array Site B0	YKB0	Northwest Territories,Canada	62.6059N	114.6050W	221	From 1962-01-01
Yellowknife Array Site B1	YKB1	Northwest Territories,Canada	62.4024N	114.6054W	172	From 1962-01-01
Yellowknife Array Site B2	YKB2	Northwest Territories,Canada	62.4248N	114.6054W	180	From 1962-01-01
Yellowknife Array Site B3	YKB3	Northwest Territories,Canada	62.4486N	114.6052W	187	From 1962-01-01
Yellowknife Array Site B4	YKB4	Northwest Territories,Canada	62.4711N	114.6049W	192	From 1962-01-01
Yellowknife Array Site B6	YKB6	Northwest Territories,Canada	62.5165N	114.6050W	202	From 1962-01-01
Yellowknife Array Site B7	YKB7	Northwest Territories,Canada	62.5390N	114.6053W	204	From 1962-01-01
Yellowknife Array Site B8	YKB8	Northwest Territories,Canada	62.5616N	114.6047W	197	From 1962-01-01
Yellowknife Array Site B9	YKB9	Northwest Territories,Canada	62.5829N	114.6039W	213	From 1962-01-01
Yellowknife Array Site R1	YKR1	Northwest Territories,Canada	62.4927N	114.9456W	170	From 1962-01-01
Yellowknife Array Site R2	YKR2	Northwest Territories,Canada	62.4928N	114.8964W	175	From 1962-01-01
Yellowknife Array Site R3	YKR3	Northwest Territories,Canada	62.4930N	114.8477W	176	From 1962-01-01
Yellowknife Array Site R4	YKR4	Northwest Territories,Canada	62.4928N	114.7995W	173	From 1962-01-01
Yellowknife Array Site R5	YKR5	Northwest Territories,Canada	62.4933N	114.7499W	182	From 1962-01-01
Yellowknife Array Site R6	YKR6	Northwest Territories,Canada	62.4933N	114.7014W	192	From 1962-01-01
Yellowknife Array Site R7	YKR7	Northwest Territories,Canada	62.4934N	114.6537W	198	From 1962-01-01
Yellowknife Array Site R9	YKR9	Northwest Territories,Canada	62.4932N	114.5558W	201	From 1962-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Yellowknife Array Sites B5 and R8	YKB5	Northwest Territories,Canada	62.4932N	114.6053W	196	From 1962-01-01
Yellowknife Array Site W1	YKW1	Northwest Territories,Canada	62.4932N	114.5090W	198	
Yellowknife Array Site W2	YKW2	Northwest Territories,Canada	62.4248N	114.6054W	200	
Yellowknife Array Site W3	YKW3	Northwest Territories,Canada	62.5608N	114.6160W	198	
Yellowknife Array site W4	YKW4	Northwest Territories,Canada	62.4922N	114.7419W	200	
Yellowpoint	PHYB	British Columbia,Canada	49.0828N	123.8431W	0	From 2004-05-05
Yellow Rock	YEL	Washington,U.S.A.	46.2096N	122.1890W	1750	
Yellowstone Ranch, Lander	K20A	Wyoming,U.S.A.	42.6579N	108.3418W	1736	From 2007-11-09 to 2009-10-08
Yel'tsovka	ELT	Altayskiy Kray,Russia	53.2611N	86.2389E	215	
Yenicaga	BCAM	Turkey	40.8158N	32.0656E	1207	From 2009-11-25
Yen Tu	YTV	Vietnam	21.1570N	106.7170E	0	From 2001-01-01
YEONCHEON	YNCB	South Korea	38.0399N	126.9258E	56	From 2009-01-01
YEONGCHEON	KSYOC	South Korea	35.9713N	128.9522E	94	From 2000-11-20
Yeongdeok	KSYOD	South Korea	36.5000N	129.4000E	41	From 2000-03-09
YEONGJU	KSYOJ	South Korea	36.8680N	128.5181E	210	From 2000-11-22
Yeongwol	KSYOW	South Korea	37.1737N	128.4558E	239	From 2000-02-22
Yeosu	KSYOS	South Korea	34.7350N	127.7390E	66	From 2000-02-09
YEOSU	KSYSU	South Korea	35.1027N	127.5968E	557	From 2006-12-30
Yerba Buena Island	YBIB	California,U.S.A.	37.8142N	122.3592W	-88	
Yerba Buena Island	CYBM	California,U.S.A.	37.8113N	122.3610W	24	
Yeremizino-Borisovskaya	ERBR	Krasnodarskiy Kray	45.7146N	40.4835E	286	From 2009-10-07
Yerevan	ERE	Armenia	40.1700N	44.4700E	998	From 1932-01-01
Yerkesik	YER	Turkey	37.1347N	28.2828E	730	From 1974-07-01
Yerranderie	YERM	New South Wales,Australia	34.1425S	150.2321E	554	
Yesilyurt	YESY	Turkey	37.7825N	33.7431E	1206	From 2010-06-30
Yiju	CHN8	Taiwan region	23.3460N	120.2110E	6	
Yilanlidag	MUGL	Turkey	37.2075N	28.4675E	1465	From 2002-11-08 to 2003-05-25
Yinchuan	YNC	Ningxia,China	38.4750N	106.2700E		
Yingkou	YIN	Liaoning,China	40.6667N	122.2333E	2	From 1934-01-01 to 1937-12-31
Ylistaro	VAF	Finland	63.0422N	22.6715E	55	From 1989-06-06
YMCA Camp	YCM	Montana,U.S.A.	46.5256N	112.3940W	1597	From 1974-08-06 to 1976-10-04
Yogyakarta	YOGI	Jawa,Indonesia	7.8166S	110.2949E	160	From 2005-12-01
Yokaichiba	YKI	Chiba,Japan	35.7185N	140.5088E	-142	
Yokohama	YOK	Kanagawa,Japan	35.4367N	139.6567E	38	
Yokooka	YOKT	Akita,Japan	39.1600N	139.9800E	260	
Yokosk	JYO	Kanagawa,Japan	35.2238N	139.6653E	80	
Yokosuka	YSK	Kanagawa,Japan	35.3167N	139.6500E		
Yo Moklole	YOMI	Irian Jaya,Indonesia	2.6428S	140.5600E	260	
Yonago	YON	Tottori,Japan	35.4317N	133.3417E	7	
Yonago 2	YONJ	Tottori,Japan	35.1883N	133.4630E	320	
Yonaguni jima	YOJ	Ryukyu Islands,Japan	24.4617N	123.0108E	32	
Yonaguni jima 2	JYJ	Ryukyu Islands,Japan	24.4502N	122.9437E	22	
Yonagunijimakubura	JYNG	Ryukyu Islands,Japan	24.4512N	122.9452E	15	From 2010-02-01
Yonkie	YYYY	Papua New Guinea	6.2412S	145.9690E	1314	From 1988-06-02
Yorkshire	YSNY	New York,U.S.A.	42.4758N	78.5375W	628	From 1993-08-18 to 2002-12-20
Yoshimatsu	YSM	Kagoshima,Japan	32.0267N	130.7361E	215	
Yoshimatsu	YOSD	Kagoshima,Japan	32.0006N	130.7278E	315	
Yoshiwara	YOS	Shizuoka,Japan	35.1667N	138.6830E		
Yoshizawa	JYZW	Shizuoka,Japan	34.9960N	137.7337E	93	
Youbou, Lake Cowichan	YOUB	British Columbia,Canada	48.9010N	124.2618W	771	
Young	YOU	New South Wales,Australia	34.2783S	148.3817E	503	From 1974-07-01 to 1998-08-17
Young	YNG	New South Wales,Australia	34.2980S	148.3963E	460	From 1999-01-01
YOUNGJONGDO	YJD	South Korea	37.4668N	126.4335E	34	From 2001-11-07
Youngstown State University	YSUO	Ohio,U.S.A.	41.1041N	80.6481W	274	
Youssef Ben Tachfine	YBT	Morocco	29.8456N	9.4983W	69	
Yozgat	YOZ	Turkey	39.6400N	35.3200E	1422	
Yr Eifl	YRE	Wales,United Kingdom	52.9810N	4.4254W	197	From 1984-01-01
Yreka	YR-CL	California,U.S.A.	41.6353N	122.7539W	914	From 1965-10-25 to 1967-10-06
Yreka	YR-	California,U.S.A.	41.6353N	122.7539W	914	From 1965-10-25 to 1967-10-06
Yreka Blue Horn Mine, Yreka	YBH	California,U.S.A.	41.7320N	122.7104W	1059	From 1993-07-24
Yuanlin Township	WYL	Taiwan region	23.9610N	120.5800E	25	
Yuasa	YAS	Wakayama,Japan	34.0328N	135.1822E	10	
Yuba Gap, Truckee	P05C	California,U.S.A.	39.3028N	120.6077W	1756	From 2005-06-07 to 2007-10-13
Yucca	X13A	Arizona,U.S.A.	34.5935N	113.8302W	889	From 2006-03-14 to 2008-10-18
Yucca Flat NTS	YF3NV	Nevada,U.S.A.	37.0728N	116.0242W	1254	
Yucca Flat NTS	YF2NV	Nevada,U.S.A.	37.0694N	116.0122W	1260	
Yucca Flat NTS	YF4NV	Nevada,U.S.A.	37.0747N	116.0367W	1244	
Yucca Flat NTS	YF-NV	Nevada,U.S.A.	37.0683N	116.0019W	1271	
Yucca Mountain	YMT3	Nevada,U.S.A.	36.7860N	116.4130W	1088	
Yucca Mountain	YMT5	Nevada,U.S.A.	36.8987N	116.4534W	1381	From 1981-04-01 to 2002-10-10
Yucca Mountain	YMT2	Nevada,U.S.A.	36.7853N	116.4866W	1079	From 1981-03-05 to 2002-12-10
Yucca Mountain	YMT6	Nevada,U.S.A.	36.8557N	116.4000W	1149	From 1981-04-01 to 2002-10-10
Yucca Mountain	YM-NV	Nevada,U.S.A.	36.9314N	116.5542W	1341	
Yucca Mountain	YMT1	Nevada,U.S.A.	36.8539N	116.5300W	1002	
Yucca Mountain	YMT4	Nevada,U.S.A.	36.8487N	116.4503W	1283	From 1981-04-01 to 2002-10-10
Yuchr	TYC	Taiwan region	23.9040N	120.8570E	20	
Yuen Ng Fan	YHK	Hong Kong,China	22.3777N	114.3378E	87	
Yuha Desert	YUH	California,U.S.A.	32.6477N	115.9230W	186	
Yuktali	YKLR	Sakha,Russia	56.5915N	121.6542E	417	From 2004-07-04
Yuli	TWF1	Taiwan region	23.3522N	121.2970E	260	From 1977-08-26
Yuli	TWF	Taiwan region	23.3492N	121.2960E	180	From 1974-01-30
Yu-li	YULB	Taiwan region	23.3924N	121.2973E	295	
Yuma	112A	Arizona,U.S.A.	32.5356N	114.5804W	87	From 2007-05-06 to 2008-10-22
Yuma Desert	YMD	Arizona,U.S.A.	32.5547N	114.5450W	76	
Yuma Proving Gounds (US Army), Dateland	Z13A	Arizona,U.S.A.	33.1999N	113.6568W	375	From 2008-02-07 to 2009-01-30
Yumen	YUM	Gansu,China	40.2967N	97.0150E		
Yumesaki	YST	Hyogo,Japan	35.0008N	134.6285E	220	
Yumurtalik	YUMT	Turkey	36.7710N	35.7880E	27	From 1994-03-01
Yung-k'ang	TAI1	Taiwan region	23.0400N	120.2280E	-190	
Yunotani	YNT	Niigata,Japan	37.2233N	139.0145E	170	
Yupe	YPE	El Salvador	14.1217N	89.6806W	1581	
Yupiltepeque	YUP	Guatemala	14.2013N	89.8015W	1430	From 1980-08-01
YUREGIR	YURE	Turkey	36.8259N	35.6324E	491	From 2006-12-01
Yu-Shan	YUS	Taiwan region	23.4893N	120.9520E	3845	
Yuwa	JYW	Akita,Japan	39.5403N	140.2085E	30	
Yuzawa	YZU	Niigata,Japan	36.8952N	138.7813E	600	
Yuzh-Kuril'sk	YUK	Sakhalinskaya Oblast',Russia	44.0347N	145.8614E	28	
Yuzh-Sakhalinsk	YSS	Sakhalinskaya Oblast',Russia	46.9539N	142.7550E	98	
Yverdon-Jordils	SYVJ	Switzerland	46.7771N	6.6375E	434	From 1992-06-05
Zabid	ZBID	Yemen	14.1958N	43.3167E	0	
Zabrze	ZAB	Poland	50.3014N	18.7944E	258	
Zacaltic	ZAC	Chiapas,Mexico	17.2500N	92.7610W	380	
Zacatecas	ZAIG	Zacatecas,Mexico	22.7690N	102.5670W	2408	
Zafferana	ZA1	Sicily,Italy	37.6853N	15.0900E	875	
Zaghouan	ZGN	Tunisia	36.3700N	10.1000E	720	
Zagreb	ZAG*	Croatia	45.8167N	15.9833E	155	From 1906-04-04 to 1983-12-31
Zagreb	ZAG	Croatia	45.8270N	15.9870E	188	From 1983-01-01
Zahedan	ZHSF	Iran	29.6110N	60.7750E	1575	From 1999-10-10
Zahran al Janub	DJNS	Saudi Arabia	17.7014N	43.5449E	2250	
Zaio	ZAI	Morocco	34.9700N	2.7460W	750	
Zakamensk	ZAK	Buryatiya,Russia	50.3819N	103.2806E	1200	
Zakatala	ZKTA	Azerbaijan	41.6380N	46.6220E	497	From 2009-10-26
Zakros	ZKR	Crete,Greece	35.1147N	26.2170E	270	
Zakynthos	ZKS	Greece	37.6969N	20.7853E	371	From 2010-05-11
Zalesovo	ZAL	Altayskiy Kray,Russia	53.9367N	84.7981E	213	
Zalesovo Array Site A0	ZAA0	Altayskiy Kray,Russia	53.9481N	84.8188E	229	
Zalesovo Array Site A1	ZAA1	Altayskiy Kray,Russia	53.9524N	84.8190E	246	
Zalesovo Array Site A2	ZAA2	Altayskiy Kray,Russia	53.9439N	84.8237E	207	
Zalesovo Array Site A3	ZAA3	Altayskiy Kray,Russia	53.9477N	84.8091E	242	
Zalesovo Array Site B1	ZAB1	Altayskiy Kray,Russia	53.9637N	84.8308E	245	
Zalesovo Array Site B2	ZAB2	Altayskiy Kray,Russia	53.9488N	84.8462E	253	
Zalesovo Array Site B3	ZAB3	Altayskiy Kray,Russia	53.9368N	84.8342E	234	
Zalesovo Array Site B4	ZAB4	Altayskiy Kray,Russia	53.9377N	84.7985E	199	
Zalesovo Array Site B5	ZAB5	Altayskiy Kray,Russia	53.9566N	84.7972E	195	
Zalesovo Beam	ZALV	Altayskiy Kray,Russia	53.9481N	84.8188E	229	
ZALESOVO INFRASONIC ARRAY REFERENCE POINT	MBTRU	Altayskiy Kray	53.9487N	84.8189E	232	From 2006-11-30
Zalf	ZALF	Syria	32.9221N	37.3342E	532	From 1994-12-01
Zalla	LZLA	Libya	28.5537N	17.5613E	239	
Zamaca	PT04	Peru	14.6717S	75.6150W	400	

Station Name	Code	Location	Geographical Co-ordinates	Altitude m	Remark
Zamans	EZAM	Spain	42.1490N 8.6950W	398	From 1986-12-01
Zamboanga	ZMP	Mindanao,Philippines	6.9196N 122.0633E	0	From 1982-09-23 to 1997-01-01
Zamboanga City	ZMPH	Mindanao,Philippines	6.9540N 122.0640E	59	
Zamora	NE28	Spain	41.4140N 5.7550W	720	
Zangian	ZNGN	Iran	32.1174N 50.8542E	2662	From 2011-01-01
Zanguenga, Chorrera	ZANG	Panama	8.9561N 79.8667W	110	From 2004-10-01
Zanja@18n	ZNJK	Iran,Iran	36.6700N 48.6850E	2200	
Zanoah	ZNH	Israel	31.6770N 35.0000E	440	
Zante	ZAN	Greece	37.6500N 20.6667E	4	
Zapallar	ZACH	Valparaiso,Chile	32.5533S 71.4583W	44	
Zapla	AZAP	Jujuy,Argentina	24.2245S 65.0663W	2159	
Zaqatala	ZKT	Azerbaijan	41.6540N 46.6670E	530	From 1979-01-01
Zarasai	IZAR	Lithuania	55.7497N 26.2458E	184	
Zara_SIVAS	CUZAR	Turkey	39.8882N 37.7705E	1425	From 2010-09-14
Zardab	ZRD	Azerbaijan	40.2790N 47.6840E	30	From 2010-12-02
Zarechye	ZRHB	Buryatiya,Russia	52.5540N 107.1520E	480	From 1999-12-01
Zatriq	ZATK	Kosovo	42.4484N 20.6229E	1060	From 2008-07-06
Zavalia	ZAV	Texas,U.S.A.	31.1192N 94.5453W		
Zavodnje	ZAVS	Slovenia	46.4342N 15.0246E	741	From 2005-08-11
Zavoj	ZAPS	Serbia	43.2737N 22.6336E	624	From 2004-10-22
Zeckenberg-Ebnath	MZEK	Bayern,Germany	49.9626N 11.9474E	627	From 2001-04-24
Zefat	SAF	Israel	32.9600N 35.4950E	800	
Zefreh	IZEF	Iran	32.8956N 52.3291E	2320	From 2000-09-01
Zelena Hora	ZHC	Czech Republic	50.0706N 12.3087E	631	From 1996-01-10
Zelenaya	ZLN	Kamchatskaya Oblast',Russia	56.0169N 160.8039E	1120	
Zelenogorsk	ZLNR	Krasnoyarskiy Kray,Russia	56.1190N 94.5175E	250	From 2005-04-27
Zerenda	ZRNK	Kazakhstan	52.9508N 69.0042E	384	From 1994-07-22
Zerenda array site	ZRN9	Kazakhstan	52.9771N 69.0027E	368	From 1995-08-12
Zerenda array site	ZRN8	Kazakhstan	52.9546N 68.9633E	364	From 1995-08-12
Zerenda array site	ZRN5	Kazakhstan	52.9461N 69.0485E	407	From 1995-08-12
Zerenda array site	ZRN4	Kazakhstan	52.9704N 69.0323E	382	From 1995-08-12
Zerenda array site	ZRN7	Kazakhstan	52.9294N 68.9772E	388	From 1995-08-12
Zerenda array site	ZRN6	Kazakhstan	52.9271N 69.0337E	405	From 1995-08-12
Zerhoun	ZER	Morocco	34.0190N 5.4700W	1118	
Zernez	SZER	Switzerland	46.6975N 10.0977E	1471	From 2006-08-16
Zevekote	BZEV	Belgium	51.1370N 2.8995E	2	From 1992-04-12
Zeya	ZEA	Amurskaya Oblast',Russia	53.7380N 127.2500E	273	
Zeytinkoy-Aydin	AYDB	Turkey	37.9466N 27.8908E	1246	From 2009-10-03
Zfri	ZFRI	Israel	30.5540N 35.1780E	-37	
Zihuatanejo	ZHGX	Guerrero,Mexico	17.6083N 101.4650W		
Zihuatanejo	ZIH	Guerrero,Mexico	17.6100N 101.4620W	5	
Zihuatanejo	ZIIG	Guerrero,Mexico	17.6067N 101.4650W	32	
Zimchurud	ZIM	Tajikistan	38.7667N 68.8000E		
Zion National Park	ZNPU	Utah,U.S.A.	37.3561N 113.1254W	1953	From 2009-10-22
Zishin	ZIS	Guatemala	14.0333N 90.4550W	50	From 1979-09-01
Zocca	ZCCA	Italy	44.3509N 10.9765E	700	
Zomba	ZOMB	Malawi	15.3833S 35.3500E	885	From 2006-06-01
Zonda	ZON	San Juan,Argentina	31.5458S 68.6786W	730	
Zongo (La Paz)	ZLP	Bolivia	16.2694S 68.1240W	4397	
Zongo (La Paz)	ZOBO	Bolivia	16.2694S 68.1240W	4397	
Zonguldak	ZGT	Turkey	41.4508N 31.7611E	70	From 1980-01-01 to 1981-06-30
Zoufplan	ZOU	Italy	46.5567N 12.9733E	1896	From 1982-10-17
Zuerich Laegern	ZLA	Switzerland	47.4822N 8.3892E	780	
Zugar Island	ZUQR	Yemen	13.9848N 42.7508E	171	From 2007-11-24
Zugdidi	ZUG	Georgia	42.5167N 41.8833E	110	
Zuidlaarderveen	ZLV3	Netherlands	53.0921N 6.7533E	-148	From 2010-05-18
Zuidlaarderveen	ZLV1	Netherlands	53.0921N 6.7533E	-48	From 2010-05-18
Zuidlaarderveen	ZLV4	Netherlands	53.0921N 6.7533E	-198	From 2010-05-18
Zuidlaarderveen	ZLV	Netherlands	53.0931N 6.7500E	1	
Zuidlaarderveen	ZLV2	Netherlands	53.0921N 6.7533E	-98	From 2010-05-18
Zuidlaarderveen (2)	ZL24	Netherlands	53.0921N 6.7533E	-116	From 2009-04-10
Zuidlaarderveen (2)	ZL23	Netherlands	53.0921N 6.7533E	-66	From 2009-04-10
Zuidlaarderveen (2)	ZL21	Netherlands	53.0921N 6.7533E	34	From 2009-04-10
Zuidlaarderveen (2)	ZL22	Netherlands	53.0921N 6.7533E	-16	From 2009-04-10
ZUMPANGO	ZUVM	Mexico	19.8265N 99.0775W	2288	From 2009-06-04
Zunzarren	IZUN	Spain	42.8610N 1.4564W	701	From 2007-03-01
Zuqar Island	ZQRN	Yemen	14.0478N 42.7257E	38	From 2007-12-18
Zurich-Lageren	ZUL	Switzerland	47.4813N 8.3903E	700	From 1975-01-01 to 1986-07-09
Zur Nathan	ZNT	Israel	32.2400N 35.0280E	234	
Zu Zu	ZZT	Tennessee,U.S.A.	35.3640N 89.3720W	120	From 1974-03-01 to 1975-09-30
Zweins	ZWE3	Netherlands	53.1885N 5.6045E	-90	From 2010-03-24
Zweins	ZWE4	Netherlands	53.1885N 5.6045E	-120	From 2010-03-24
Zweins	ZWE2	Netherlands	53.1885N 5.6045E	-60	From 2010-03-24
Zweins	ZWE1	Netherlands	53.1885N 5.6045E	-30	From 2010-03-24
Zyfflich	NE41	Nordrhein-Westfalen,Germany	51.8239N 5.9745E	13	
	H06S	Colima,Mexico	18.7300N 110.9600W	10	
	SIRB	Romania	45.4801N 26.2616E	512	
	SUZ	Egypt	29.8406N 32.8322E	268	
	FULR	Romania	44.8877N 26.4419E	114	
	HPIG	Mexico D.F.,Mexico	26.9352N 105.6655W	1786	
	NSPM	California,U.S.A.	38.1827N 122.4533W		
	APRS	Egypt	24.3718N 30.7126E	184	
	ZIMR	Romania	43.6572N 25.3652E	74	
	EZ5V	Colima,Mexico	19.4792N 103.6022W	2180	
	MBLG	Montserrat	16.7250N 62.1623W	287	
	GDLC	Jalisco,Mexico	20.6827N 103.3775W	1577	
	OLGA	Colombia	1.2243N 77.3537W	4100	
	FDAS	Saudi Arabia,Saudi Arabia	21.8336N 40.3588E	200	
	NE21	Portugal	40.3997N 7.5442W	815	
	YOBS	Saudi Arabia,Saudi Arabia	24.3578N 38.7424E	372	
	CMPA	Pennsylvania,U.S.A.	40.3500N 76.0100W		
	ASUT	Egypt	27.3967N 31.5626E	237	
	LTRR	Romania	45.4284N 23.7584E	1418	
	JLOS	Saudi Arabia,Saudi Arabia	28.7351N 35.4916E	1320	
	NE33	Belgium	50.6092N 6.0066E		
	ZEIT	Egypt	27.8698N 33.5388E	232	
	NMCM	California,U.S.A.	35.8428N 117.9048W		
	TR2	Egypt	28.3853N 33.7227E	239	
	JPSM	California,U.S.A.	37.1990N 122.3483W		
	CSAN	Managua,Nicaragua	12.1833N 86.4222W	50	
	SULR	Romania	44.6785N 26.2551E	73	
	HRDDS	Saudi Arabia,Saudi Arabia	22.9272N 49.4616E	150	
	MGAT	Montserrat	16.7102N 62.1887W	479	
	SLUM	Egypt	31.4916N 25.2123E	79	
	NE24	Spain	38.3553N 0.4873W		
	HADB	Egypt	25.3510N 34.6238E	187	
	AMRG	Georgia	42.5156N 43.1369E	614	
	WJHS	Saudi Arabia,Saudi Arabia	26.7318N 36.3944E	195	
	BIAC	Colombia	3.2913N 76.1973W		
	TR1	Egypt	28.0068N 33.9521E	274	
	OZUR	Romania	46.0957N 25.7864E	674	
	SHBS	Saudi Arabia,Saudi Arabia	21.0046N 39.6829E	182	
	GOLR	Romania	44.8399N 24.9629E	301	
	CGIG	Mexico D.F.,Mexico	30.3652N 107.9773W	1524	
	XTAL	Ecuador	0.2020S 78.6688W	2040	
	HQSR	Egypt	25.7554N 34.3871E	149	
	LUCR	Romania	44.9737N 27.1011E	91	
	RSHS	Saudi Arabia,Saudi Arabia	28.2997N 34.7968E	280	
	VARR	Romania	45.8802N 27.8570E	233	
	ZNM	Egypt	29.3761N 32.8752E	201	
	VOIR	Romania	45.4371N 25.0496E	969	
	CHI2	Colombia	4.6439N 73.7400W	3100	
	MBRV	Montserrat	16.8113N 62.1961W	231	
	H06E	Colima,Mexico	18.7800N 110.9200W	10	
	BC03	Alaska,U.S.A.	63.0656N 141.7851W		
	HUEN	Managua,Nicaragua	12.3375N 86.1722W	50	
	WHR	Nevada,U.S.A.	40.0400N 118.3600W	0	
	UPIG	Panama	8.9906N 79.5342W	41	
	NE19	Spain	42.4578N 2.5032W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
	BOQSS	Saudi Arabia,Saudi Arabia	25.8689N	49.3758E	210	
	NE22	Spain	36.7275N	4.4111W		
	SWA2	Egypt	29.2432N	25.4556E	45	
	BMK*	Morocco	34.6590N	2.9340W		
	LYLS	Saudi Arabia,Saudi Arabia	22.0384N	47.2447E	460	
	PETR	Romania	45.7230N	27.2310E	86	
	SWA1	Egypt	29.2632N	25.7098E	48	
	IM03	Alaska,U.S.A.	65.9835N	153.7491W		
	KFJS	Saudi Arabia,Saudi Arabia	28.1866N	47.9416E	150	
	AWBH	Egypt	28.3210N	28.9040E	191	
	HQLS	Saudi Arabia,Saudi Arabia	29.3003N	35.0622E	543	
	NISS	Serbia	43.4035N	21.9474E	782	From 2006-04-05 to 2008-07-23
	BAR1	Costa Rica,Costa Rica	9.2422N	83.3117W	530	
	PCIG	Chiapas,Mexico	15.7047N	93.2188W	5	
	SHRM	Egypt	27.8925N	34.1322E	275	
	EGS	Taiwan region	24.8450N	121.9320E	2	
	BTHS	Saudi Arabia,Saudi Arabia	24.0459N	50.8460E	89	
	ECALA	Colombia	1.2138N	77.4226W	2353	
	SLWS	Saudi Arabia,Saudi Arabia	24.7978N	50.6437E	75	
	HLS	Peru	8.8470S	77.8890W		
	SHMS	Saudi Arabia,Saudi Arabia	21.4485N	39.6907E	252	
	NFRM	California,U.S.A.	38.5227N	123.1610W		
	ASYS	Saudi Arabia,Saudi Arabia	27.5046N	44.3412E	580	
	HQRM	California,U.S.A.	36.8337N	121.2127W		
	FG6	Guatemala	14.5600N	90.8828W	2500	
	ACVZ	Colombia	1.2270N	77.3588W	1470	
	HSIG	Mexico D.F.,Mexico	29.0196N	110.9490W	250	
	NSP	Nevada,U.S.A.	36.7300N	116.2100W	0	
	STKZ	Armenia	39.8126N	46.7520E	770	
	DWK	Meghalaya,India	25.1867N	92.0227E		
	SQR	Egypt	29.8813N	31.1959E	107	
	JSGM	California,U.S.A.	37.2827N	122.0500W		
	TBS2	Panama	8.7933N	82.6569W	1397	
	LUK	Luzon,Philippines	14.1200N	121.5170E	500	
	ZAF	Egypt	29.2819N	32.5487E	153	
	PUYI	Colombia	1.2977N	77.3230W	2370	
	R15V	Colima,Mexico	19.1700N	103.9830W	632	
	KMST	Turkey	37.5239N	36.9936E	670	
	NUB	Egypt	29.0276N	34.6474E	153	
	EMPA	Peru	6.6630S	79.4430W	500	
	RSH	Egypt	30.9600N	33.7220E	217	
	ORGA	Alberta,Canada	49.5539N	114.1008W	1257	
	DIC	Ivory Coast	6.2083N	4.9892W		
	AL35	Alaska,U.S.A.	64.9447N	147.8595W		
	LUL	California,U.S.A.	38.0500N	119.1800W	0	
	HSFG	Egypt	26.5675N	33.9292E	151	
	SANZ	El Salvador	13.5577N	88.5228W	310	
	HCAT	Egypt	28.7750N	33.9790E	410	
	LUTC	Czech Republic	49.8840N	18.4160E		
	MBGE	Montserrat	16.6900N	62.1937W	183	
	MBSS	Montserrat	16.6870N	62.1603W	395	
	NE20	Spain	36.8525N	2.4598W		
	MCPZ	Montserrat	16.7068N	62.1812W	759	
	JYSA	Finland	62.7700N	24.8700E		
	AANS	Egypt	30.2909N	31.3998E	42	
	MBGA	Montserrat	16.7102N	62.1887W	479	
	MUMZ	El Salvador	13.5555N	88.4792W	410	
	QRHJ	Jordan	29.6850N	35.3220E	810	
	JORD	New York,U.S.A.	44.3400N	74.6100W		
	MDUM	Montserrat	16.7000N	62.1667W	1000	
	MBGB	Montserrat	16.7323N	62.2278W	253	
	MZVM	Mexico D.F.,Mexico	19.1892N	99.2293W		
	TPTI	Sumatera,Indonesia	3.2600N	97.1800E	9	
	MBRY	Montserrat	16.7038N	62.1532W	355	
	KLSI	Sumatera,Indonesia	4.6900S	104.7300E	81	
	MBMH	Montserrat	16.7763N	62.1925W	270	
	EPCH	Peru	6.0090S	79.6850W	720	
	TGIG	Chiapas,Mexico	16.7782N	93.1222W	612	
	CHOC	Czech Republic	49.7690N	18.5610E		
	SECR	Romania	45.0355N	26.0676E	417	
	ZAPC	Czech Republic	49.8320N	18.4280E		
	GRER	Romania	45.3801N	26.9746E	276	
	TUDR	Romania	45.5939N	27.6687E	66	
	NAR2	Colombia	1.2688N	77.3687W	2870	
	NE25	Spain	40.8206N	0.4933E		
	QEN	Egypt	26.2237N	32.8496E	333	
	COB3	Colombia	1.1890N	77.3473W	3625	
	NT-	Nevada,U.S.A.	37.2758N	116.4183W		
	GLFJ	Jordan,Jordan	29.5080N	35.0080E	25	
	MRYT	Montserrat	16.7038N	62.1532W	355	
	BC3*	Alaska,U.S.A.	63.0656N	141.7851W		
	IL31	Alaska,U.S.A.	64.7714N	146.8866W		
	LOEW	Colombia	1.3537N	77.3780W	2350	
	NGVM	California,U.S.A.	38.2807N	122.2148W		
	WMD	California,U.S.A.	37.4400N	118.6400W	0	
	DRGR	Romania	46.7916N	22.7111E	921	
	ETYK	Hungary	47.4403N	18.7448E	248	
	PRSC	Czech Republic	49.0150N	18.5540E	0	
	ANVZ	Colombia	1.2220N	77.3530W	4170	
	NT2	Nevada,U.S.A.	37.2533N	116.2858W		
	CR2G	Colombia	1.2077N	77.3590W	4058	
	ANTT	Turkey	36.2203N	36.1569E	60	
	PLAZ	Colombia	1.2593N	77.2790W	3000	
	PKSG	Hungary	47.3918N	18.3907E	200	
	DARB	Saudi Arabia	17.7400N	42.2400E	0	
	BG3	South Carolina,U.S.A.	34.9930N	82.9317W	366	
	BM03	Alaska,U.S.A.	67.4192N	144.6071W		
	GHRR	Romania	46.0605N	27.4080E	212	
	MBWH	Montserrat	16.7422N	62.1908W	407	
	NLNM	California,U.S.A.	38.1525N	122.7125W		
	URCR	Colombia	1.2195N	77.3432W	3494	
	FPK	Nevada,U.S.A.	39.2200N	118.1500W	0	
	NE23	Spain	41.4164N	2.1250E		
	AL34	Alaska,U.S.A.	64.9100N	147.4464W		
	HADR	Romania	47.0106N	27.4301E	435	
	MBBY	Montserrat	16.6977N	62.2025W	160	
	THIG	Chiapas,Mexico	14.9077N	92.2652W	15	
	LBOS	Yemen	13.8710N	45.2490E	2325	
	TESR	Romania	46.5118N	26.6489E	372	
	KARJ	Jordan	31.1200N	35.6530E	124	
	HCA	Peru	5.5830S	79.4330W		
	GALR	Romania	43.8275N	28.5751E	56	
	IL01	Alaska,U.S.A.	64.7716N	146.8861W		
	FLV	Nevada,U.S.A.	37.8100N	117.9100W	0	
	TLCR	Romania	45.1861N	28.8150E	73	

SEISMOLOGICAL OBSERVATORIES

IN ALPHABETICAL ORDER OF STATION CODE

Code	*Station Name*	*Other*
034A	Hebbronville	
035A	Encino	
035Z	Hargill	
109C	Camp Elliot, Miramar	
112A	Yuma	
113A	Mohawk Valley, Roll	
114A	Black Gap (USAF), Gila Bend	
115A	Sonoran Desert, Stanfield	
116A	Eloy	
117A	Oracle	
118A	Homack Ranch, Wilcox	
119A	Ashpeak Ranch, Duncan	
120A	U Bar Ranch, Lordsburg	
121A	Cookes Peak, Deming	
122A	Conniff Cattle Co., Rinco	
123A	Bell Site, White Sands Missle Range	
124A	Stringfield Ranch, Weed	
125A	Gardner Draw, Artesia	
126A	Clayton Basin, Artesia	
127A	Arkansas Junction, Hobbs	
128A	Castleberry Farm, Seminole	
129A	Stewart Farms, Lamesa	
130A	Snyder	
131A	Roby	
133A	Hamilton Ranch, Breckenridge	
134A	White-Moore Ranch, Lipan	
135A	Vickery Place, Crowley	
136A	Ennis	
137A	Heron Place, Grans Saline	
138A	Matatall Enterprise, Big Sandy	
139A	Bunkhouse Ranch, Marshall	
214A	Organ Pipe National Monument, Ajo	
216A	Three Points, Tucson	
217A	Green Valley	
218A	Dragoon	
219A	White Tail Canyon, San Simon	
220A	Playas Peak, Playas	
221A	Mesquite Ranch, Deming	
222A	Williams Family Ranch, Las Cruces	
223A	Chaparral, Anthony	
224A	Cornudas Mountain, Dell City	
225A	Deer Hill, Carlsbad	
226A	Malaga, Loving	
226B	Tecolote Peak, Malaga	
227A	Bennet, Jal	
228A	UT Block 9, Goldsmith	
229A	Bryant Ranch, Stanton	
230A	Sterling City	
231A	Bronte	
232A	Coleman	
233A	Rising Star	
234A	Clairette	
236A	Katherine and Luke Keathley, Corsicana	
237A	Washetta, Montalba	
238A	Jacksonville	
239A	Gary	
2RIO	Dos Rios de Upala	
318A	Bisbee	
319A	Douglas	
320A	Kipp Ranch, Antelope Well	
324A	Moseley Ranch, Sierra Blanca	
325A	Bean Ranch, Sierra Blanca	
326A	Caldwell Ranch, Toyah	
327A	Balmorhea Ranch, Pecos	
328A	Wristen Ranch, Grandfalls	
329A	Wagon Wheel Ranch, Midkiff	
330A	Mertzon	
331A	San Angelo	
332A	Millersview	
333A	Richland Springs	
334A	Lometa	
335A	Moody	
336A	Riesel	
337A	Centerville	
338A	Crockett	
339A	Huntington	
340A	Bronson	
425A	Indio Mountain, Van Horn	
426A	McDonald Observatory, Fort Davis	
427A	Hayter Ranch, Fort Stockton	
428A	Kincaid Ranch, Fort Stockton	
429A	Davenport Ranch, Sheffield	
430A	Baggett Ranch, Ozona	
431A	Sonora	
432A	Menard	
433A	Art	
434A	Burnet	
435A	Jarrell	
435B	Jarrell	
436A	Wall Ranch, Gause	
437A	Phaontom Ranch, North Zulch	
438A	Sam Houston State University, Huntsville	
439A	Center Grove, Livingston	
440A	Kirbyville	
526A	Mary Lane Ranch, Marfa	
527A	Woodward Ranch, Alpine	
528A	Cox Ranch, Sanderson	
529A	Stev Forest Ranch, Sanderson	
530A	J-C Ranch, Comstock	
531A	Rocksprings	
532A	Rocksprings	
533A	Kerrville	
534A	Blanco	
535A	Dale	
536A	Bastrop	
537A	Green Hill Farm, Brenham	
538A	Harpers Horsepen, Conroe	
539A	Cross D Ranch, Liberty	
540A	Vidor	
626A	Big Bend Ranch, Presidio	
627A	Terlingua Ranch, Terlingua	
628A	Black Gap, Marathon	
631A	Perdido Creek Ranch, Del Rio	
632A	Uvalde	
633A	Saathoff Ranch, Hondo	
634A	China Grove, San Antonio	
635A	Leesville	
636A	Smothers Creek Ranch, Hallettsville	
637A	Eagle Lake	
732A	Laxson Ranch, Crystal City	
733A	Divot King Ranch, Dilley	
734A	JLa Parita Creek, ourdanton	
735A	Kenedy	
736A	Circle Diamond K Ranch, Victoria	
737A	Port Lavaca	
738A	Farr-Stevens Ranch, Sargent	
832A	Faith Ranch, Carrizo Springs	
833A	Chaparral WMA, Artesia Wells	
834A	Tilden	
835A	Beeville	
933A	Laredo	
934A	Benavides	
936A	North Padre Island, Corpus Christi	
A04A	Legoe Bay, Lummi Island	
A04D	Lummi Island	
A05A	Maple Falls	
A06A	Chilliwack	
A07A	Ashnola River, Keremeos	
A08A	Turner Farm, Oroville	
A09A	Danville	
-A0MA	Subarray A0 LASA	
A10	Crater	
A10A	Northport	
A11	Saint Roch-des-Aulnaies	
A11A	Hall Mountain, Copeland	
A12A	Yaak River Ranch, Troy	
A13A	Flathead National Forest, Polebridge	
A14A	Double T Ranch, Babb	
A15A	Johnson Ranch, Cut Bank	
A16	Riviere Ouelle	
A16A	West Butte Ranch, Sweetgrass	
A17A	Triple J Farms, Joplin	
A18A	Metzger Ranch, Havre	
A19A	Klindworth Farms, Hogeland	
A20A	Cobblestone Ranch, Loring	
A21	Saint Andre	
A21A	Bergtoll Ranch, Theony	
A22A	Carney Farms, Richland	
A23A	Redstone	
A24A	Westby	
A25A	Svangstu Ranch, Noonan	
A26A	Wade Farm, Kenmare	
A27A	Ledoux Ranch, Antler	
A28A	Rude Farm, Bottineau	
A29A	Manning Farm, Rocklake	
A30A	Hoffart Farm, Langdon	
A31A	Linda, St. Vincent	
A490	San Lazaro	
A492	Arado	
A494	Palo Verde	
A495	El Viejo	
A54	Misere	
A61	Sainte Mathilde	
A64	Saint Simeon	
AA1	Alma-Ata	AAA
AA2	Talgar	TLG
AAA	Alma-Ata	
AAB	Talgar	TLG
AAC	Aachen	
AADN	Adndan	
AAE	Adis Abeba	
AAGR	Agrelo	
AAHD	Abu Hadid	
AAI	Ambon	
AA-IS	Atka	
AAK	Ala-Archa	
AAL	Aland	
AALM	Campus Universitario de Almeria	
AAM	Ann Arbor	
AAMC	University of Michigan	
AANS		
AAP	Anini-y	
AAPN	Arroyo Pinares	
AAR	Sfinta Ana	
AARM	Airport Road	
AAS	Arctowski Station	
AASM	Arroyo Seco	
AAU	Alta	
AB-	Amboy	AB-WV
AB01	Akbulak array site	
AB02	Akbulak array site	
AB03	Akbulak array site	
AB04	Akbulak array site	
AB05	Akbulak array site	
AB06	Akbulak array site	
AB07	Akbulak array site	
AB08	Akbulak array site	
AB09	Akbulak array site	
AB31	Akbulak array site	
ABA	Alger-Bouzareah	
ABA1	Baconsthorpe	
ABAR	Abu 'Arish	
ABAZ	Army Bay	
ABB	Abborrasen	
ABC	Abeche	
ABE	Aberdeen	
ABEM	Aberfeldy	
ABF	Auke Bay	
ABG	Abington	
ABGF	Abri du Galion	
ABH	Alteburg	
ABHA	Abha	
ABI	ADIBADRI	
ABJ	Abashiri	
ABJ2	Abashiri 2	
ABJI	Asem Bagus	
ABJM	Bob Jauregui Ranch	
ABK	Abisko	
ABKAR	Akbulak array	
ABKT	Ailbek	
ABL	Mount Abel	
ABM	Ambohimiarambe	
ABMC	Merrill Creek	
ABMS	Boumerdes	
ABN	Auburn	
ABNR	Abakan	
ABOA	Aboa	
ABP	Abra de Ilog	
ABPO	Ambohimpanom	
ABQ	Albuquerque	ALQ
ABR	El Abra	
ABRA	Dolores	
ABRE	Abriola	
ABRM	Brophy Road	
ABRN	Auburn	
ABS	Abastumani	
ABSA	Djebel Ababsia	
ABSE	Abaselama	
ABSI	Aberstueckl	
ABT	Abant	
ABTA	Abfaltersbach	
ABTN	Auburntown	
ABTO	Aybut	
ABTX	Abilene, Hawley	
ABU	Abuyama	
ABUS	Abu Simbel	
ABV	Anegada	
ABVI	Anegada Island	
AB-WV	Amboy	
ACA	Amchitka Central A	
ACAN	Cantantal	
ACB	Amchitka Central B	
ACBG	Cabo de Gata	
ACC	Amchitka Central C	
ACCN	Adirondack Community College	
ACCO	Cerro Coronel	
ACD	Amchitka Central D	
ACDF	Aurillac	
ACDV	Cuesta del Viento	
ACE	Amchitka Central E	
ACEO	Ashtabula EMA	
ACER	Acerenza	
ACES	Army Corps of Engineers Seattle ANSS	
ACF	Amchitka Central F	
ACH	Altos	
ACHA	Angle Creek Headwaters	
ACHB	Acheberg	
ACHE	Chepes	
ACHM	Chimeneas	
ACI	Arcavacata	
AC-IS	Amchitka	
ACK	Alder Creek	
ACKN	Achilles Lake	
ACL	Alicudi	
ACLA	Agua Clara, Sierra Llorona en Colsn	
ACLC	CERRO LA CRUZ	
ACLR	Calar Alto	
ACM	Allegan	
ACO	Alabaster Cavern State Park	
ACOH	Alum Ck. St. Park	
ACOM	Acomizza, Italy	
ACOR	Acrocorinthos	
ACP	Acatlan	
ACP2	Acapulco	
ACR	Cerro Adams	
ACSO	Alum Creek State Park	
ACTN	Antioch Church	
ACTO	Acton	
ACU	Canalobre	
ACVZ		
ACX	Acapulco	
ACY	Acoyapa	
AD-	Adak Island	AD-IS
AD01	Meldola (FC)	
AD02	Mondaino (RN)	
AD03	Mombaroccio (PU)	
AD04	Corinaldo (AN)	
AD05	S.Marcello (AN)	
AD06	Osimo (AN)	
AD1	Great Sitkin	
AD2	Umak	
AD3	Kagalaska	
AD4	Hidden Bay	
AD5	Yakak	
AD6	South Kanaga	
AD7	North Kanaga	
AD8	Adagdak	
ADA	Adak	
ADAG	Mount Adagdak	
ADAT	Adana	
ADB	khalkal	
ADC	Auburn Dam	
ADDN	Jabal Ad Dan - Dhamar Gov. - Yemen	
ADE	Adelaide	
ADEN	Aden	
ADES	Adelaida	
ADH	Angra Heroismo	
ADH0	Angra Heroismo	
ADI	Adamit	
AD-IS	Adak Island	
ADJ	ADJUD	
ADJB	Djebel Djouab	
ADK	Adak	
ADKI	Addanki	
ADL	Adelanto	
ADM	NRDS	
ADN	Adams	
ADO	Adelanto Receiving Station	
ADOK	Arcadia Dam	
ADR	Anderson Reservoir	
ADRA	Adra	
ADRI	Adria, Italy	
ADSC	Addlestone Acy	
ADT	Adana	
ADVT	Abdulvahap	
ADWM	Drytown Water District	
AE-	Albemarle	AE-NC
AEB	Amchitka	ASB
AECU	Ecuador Network	
AEKI	Aeknabara	
AE-NC	Albemarle	
AEU	East Anglia University	
AFAR	Ash Flat	
AFC	Alfacar	
AFDM	Forest Hills Divide	
AFFS	'Afif	
AFH	Ashford Hill	
AFHM	Forest Hill Site	
AFI	Afiamalu	
AFIF	Afif	
AFL	Alpe Faloria	
AFO1	Alfred	
AFO2	Alfred	
AFOK	Anatahan S. Rim	
AFON	Font Roja	
AFR	Afareaitu	
AFRM	Fiddyment Ranch	
AFS	Agadir Fac de Sc.	
AFSR	Af ar-Bala (Ankara)	
AFUE	Fuente Hervidero	
AG-	Augusta	AG-ME
AGA	Agualva	
AGAC	Agave Hill	
AGAL	Gebel Alisa	
AGAM	Agassiz Lake	
AGC	Angel Island	
AGCH	Angol	
AGD	Arta Grotte	
AGE	Agenahambo	
AGG	Agios Georgios	
AGI	Augustine Island	
AGIM	Gold Rush Inn	
AGL	Agalyk	
AGM	Allagash	
AG-ME	Augusta	
AGMN	Agassiz National Wildlife Refuge	
AGMR	Gebel Marawa	
AGN	Agin	
AGO	Saint Agoulin	
AGOC	Agoura	
AGOR	Agordo	
AGP	Aguadilla	
AGPR	Aguadilla, PR	
AGR	Agra	
AGRA	Agra	
AGRB	Hanur-Agry	
AGRI	Agrihan Island	
AGRT	Agri	
AGRW	Gebel Rewraw	
AGST	Augusta-Monte Tauro	
AGT	Agartala	
AGU	Augustine-Summit	
AGUA	GUANDACOL	
AGUN	Aguas Calientes	
AGV	La Aguada	
AGVB	Aqua Vermelha	
AGX	Aguascalientes	
AHA	Ahua	
AHB	Akutan Harbor	
AHBU	AHRAM	
AHCB	Chemainus	
AHDM	Hacienda Drive	
AHID	Auburn Hatchery	
AHML	Horco Molle	
AHRM	Harold F. Ross	
AHS	Asahigawa	
AHU	Ahuachapan	
AHWZ	Ahwaz	
AI-	Alliance	AI-NB
AIA	Argentine Island	
AIB	Aibetsu	
AIC	Anacapa Island	
AID	Aizu	
AIES	Las Flores	
AIGLE	Aigle	
AIK	Aikawa	
AIL	L'Aileron	
AIN	Ainahou	
AI-NB	Alliance	
AIO	Antillo	
AIS	Amsterdam Island	
AIT	Ait Ouarda	
AITP	Aitape	
AIUT	Southern Antelope Island	
AJAF	Ajaccio	
AJAR	Ajai Ranch	
AJAX	Aniakchak Jack	
AJI	Ajiro2	
AJM	Ajmer	
AJMR	Ajmer	AJM
AK-	Atoka	AK-OK
AK0	North Tanaga	
AK01	Malin Array Site 01	
AK02	Malin Array Site 02	
AK03	Malin Array Site 03	
AK04	Malin Array Site 04	
AK05	Malin Array Site 05	
AK06	Malin Array Site 06	
AK07	Malin Array Site 07	
AK08	Malin Array Site 08	
AK09	Malin Array Site 09	
AK1	West Kanaga	
AK10	Malin Array Site 10	
AK11	Malin Array Site 11	
AK12	Malin Array Site 12	
AK13	Malin Array Site 13	
AK14	Malin Array Site 14	
AK15	Malin Array Site 15	
AK16	Malin Array Site 16	
AK17	Malin Array Site 17	
AK18	Malin Array Site 18	
AK19	Malin Array Site 19	
AK2	South Tanaga	

Code	*Station Name*	*Other*
AK20	Malin Array Site 20	
AK21	Malin Array Site 21	
AK22	Malin Array Site 22	
AK23	Malin Array Site 23	
AK3	North Tanaga	
AK4	Bobrof	
AK5	North Tanaga	
AKA	Akutan	
AKA1	Akutan 1	AKA
AKA2	Akutan 2	
AKA4	Akutan 4	
AKA5	Akutan 5	
AKAR	Aktash	
AKAS	Kas	
AKASG	Malin Array Beam Reference Point	
AKAY	Kef Ayad	
AKB	Aktobe	
AKBB	Malin Array Site BB	
AKBBA	Akutan Broad B.	
AKC	Akcakoca	
AKCD	Akcadag	
AKDN	Akdeniz- K˜–br˜–s	
AKET	Djebel Ketaf	
AKF	Akfadou	
AKGG	Akutan Green Grass	
AKGH	Akosombo	
AKH	Akhalkalaki	
AKHS	Akhisar	
AKI	Akita	
AKI1	Akita	
AKIJ	Akita 2	
AKIN	Ak˜–nc˜–lar- K˜–br˜–s	
AKK	Akkeshi	
AKKT	Akkus	
AKL	Akola	
AKLV	Akutan Long Valley	
AKM	Akama	
AKMC	Akamas	
AKMO	Akutan Morgan	
AKN	Aaknes	
AK-OK	Atoka	
AKRB	Akutan Reef Bight	
AKRG	Al Kharijah	
AKRL	Khor El Raml	
AKRT	Stavros Akrotiri	
AKS	Akhisar	
AKSA	Akutan Strait	
AKSR	Khor Sakr	
AKSY	AKSARAY - Altinkaya	
AKSZ	Araks	
AKT	Akhty	
AKTK	Aktyubinsk	
AKTO	Aktyubinsk	
AKTT	Aktoprak	
AKU	Akureyri	
AKU-	Akureyri	
AKUL	Akkuyli	
AKUR	Kurkur	
AKUT	Akutan	
AKV	Akutan Volcano	
AKVQ	Akulivik	
AKY	Akyazi	
AL-	Antlers	AL-OK
AL31	ALPA Array Site 31	ALAR
AL32	ALPA Array Site 32	
AL33	ALPA Array Site 33	
AL34		FBAL
AL35		AL5
AL36	ALPA Array Site 36	
AL37	ALPA Array Site 37	
AL5	ALPA Array Site 35	
ALA	Alamo	
ALAM	Latrobe	
ALAR	ALPA Array Beam Reference Point	
ALAS	Alassa	
ALB	Alberni	
ALBA	Albanya	
ALBD	Alberton, Johannesburg	
ALBI	Allahabad	
ALC	Alcan	
ALCN	Alcanar	
ALCS	Alfacar	
ALCT	Alcott Elementary School	
ALD	Alter Ridge	
ALDR	Aldan	
ALE	Alert	
ALF	Alfred	
ALFC	Alevga	
ALFO	Alfred	
ALG	Algiers University	
ALGO	Algonquin Park	
ALH	Alicahue	
ALHU	Pen de Alhucemas	
ALI	Alicante	
ALIA	Aliabad	
ALIB	Äli-Bayramli	
ALID	Alaid	
ALJ	Aljibe	
ALJA	Alia	
ALKI	Alki Wastewater Plant ANSS-SMO	
ALL	Alla	
ALLA	Alla	ALL
ALLY	Alegheny College	
ALM	Almeria	
ALME	Alemaya	
ALMG	Alamagan	
ALMR	Almeirim	
ALN	Alexandroupolis	
ALNG	Atlantic LNG	
ALNM	Lincoln	
ALO	Ashland	
ALOA	Alotau	
ALOJ	Loja	
AL-OK	Antlers	
ALOL	LOMAS DE OLMEDO	
ALOT	Alotau	
ALP	Ascoli Pisceno	
ALPC	Antelope	
ALPW	Alpine	
ALQ	Albuquerque	
ALR	Isla de Alboran	
ALRB	Anaheim Lake	
ALRZ	Allen Road	
ALS	Alishan	
ALST	Alston	
ALT	Altintas	
ALTA	Alta Urco	
ALTM	Altmuhljura-Amtmannsdorf	
ALTV	Alturitas	
ALU	Alushta	
ALUM	Lumbreras	
ALV	Alvord Mountain	
ALVY	Alvey	
ALWS	Ilw as Safayhah	
ALX	Alexander Bay	
ALZ	Aoulouz	
AM-	Ardmore	AM-OK
AM1	Amasugawa 1	
AM2	Amasugawa 2	
AM9	Amelia	AMI
AMA	Amatignak Island	
AMAG	Maghara	
AMAN	Manam	
AMAR	Marayes	
AMAS	Alto Masis	
AMAZ	Amatzia	
AMB	Ambulong	
AMBZ	Amberd	
AMC	Almaden	
AMC*	Amchitka	
AMD	Amderma	
AMDA	Medea	
AMDNV	Amargosa	
AME	Amchitka East	
AMF	American Fork	
AMG	Americus	
AMI	Amelia	
AMJ	Amo	
AMKA	Amchitka	
AML	Almayashu	
AMLC	Mogote Corralitos	
AMM	Anaconda	
AMN	Amanu	
AMNH	Manhattan	
AMO	Ambon	
AMOG	MOGNA	
AM-OK	Ardmore	
AMOR	Amorgos	
AMP	Ambar	
AMR	Amargosa	
AMRG		
AMRH	Mont Rhoder	
AMRP	Almeirim	
AMRR	Amara	
AMS	Amos	
AMT	Artemida-Makistos	
AMTX	Amarillo	
AMU	Anchorage	
AMUR	Altamura	
AMVM	AMECAMECA	
AMW	Mount Adams	
AMZI	Amatzia	
AN-	Angela	AN-MA
AN1	Anna	
AN1*	Pine Canyon	PNC
AN10	Anna	
AN11	Anna	
AN12	Anna	
AN12*	Salinas Radio	SRC
AN13*	Quien Sabe	QSR
AN14*	Cienega Rd	BCGM
AN15*	Johnson Can.	JHC
AN2*	Forsythe	
AN3	Anna	
AN3*	San Juan Grade	HJGM
AN4	Anna	
AN4*	Pacheco Lake	PCL
AN5*	Dillon Ranch	DIL
AN6*	Chase Ranch	CSR
AN7	Anna	
AN7*	Canada Road	CDC
AN8	Anna	
AN8*	Peckham Road	PKC
AN9	Anna	
AN9*	Anzar Reservoir 9	
ANA	Amchitka	
ANA2	Anatahan	
ANAL	New Alisa	
ANAT	Anatahan	
ANB	Amchitka	
ANC	Marguerite Bay	
ANCC	Alto Anchicaya	
ANCH	Antofagasta	
ANCK	Angle Creek	
ANCR	Anchorite	
AND	Amchitka	
ANDN	Andirin	
ANDR	Anadyr'	
ANE	Angren	
ANER	Nerja	
ANG	Antigua	
ANGC	Angol	
ANGG	Ammassalik, Greenland	
ANGL	Ecuador	
ANGS	El Angel	
ANGU	Angureal	
ANGV	Angostura	
ANGW	Angle Mountain	
ANH	Anchorage	
ANI	Aniakchak	
ANI*	Anchorage	ANH
ANIA	Aniakchak Crater	
ANIG	Ahuacatlan	
ANJJ	Anjarah	
ANK	Ankara	
ANKA	Aniakchak	
ANKY	Antikythira Island	
ANL	Andalgala	
ANM	Nome	
AN-MA	Angela	
ANMB	Anmore	
ANMO	Albuquerque	
ANMR	North Marawa	
ANN	Anapa	
ANNE	Aniakchak Northeast	
ANNS	Annsville	
ANNW	Aniakchak Northwest	
ANON	Aniakchak	
ANP	Anpu	
ANPB	Aniakchak Plenty Bear	
ANPK	Aniakchak Peak	
ANR	Andizhan	
ANS	Ancona	
ANT	Antofagasta	
ANTB	Antalya	
ANTF	Antibes	
ANTI	Antisana	
ANTN	Anderson	
ANTO	Ankara	
ANTR	Antelope Ridge	
ANTT		
ANTU	Antumapu	
ANTZ	Aouinet Torkoz	
ANU	Antelope Island	
ANV	Anvil Mountain	ANM
ANVS	Anan'yevo	
ANVZ		
ANWB	Willy Bob	
ANWZ	Angora Road	
ANX	Ano Chora	
ANZ	Anzar Road	
AO-	Argonne	AO-WS
AOB	Aobayama	
AODM	Outingdale	
AOF	Agadir Oufela	
AOHM	Oregon House	
AOI	Ancona	
AOM	Aomori	
AOM1	Aomori	
AOM3	Aomori 3	
AOMJ	Aomori 2	
AOPR	Arecibo Observatory	
AOS	Alonnisos	
AOT	Adel	
AOU	Aou	
AO-WS	Argonne	
AP-	Apache	AP-OK
AP3N	Apex site 3 Nunavut	
APA	Apatity	
APA0	Apatity Array Site A0	
APA1	Apatity Array Site A1	
APA2	Apatity Array Site A2	
APA3	Apatity Array Site A3	
APAE	Packway	
APAES	Apatity Array Beam Reference Point	
APB1	Apatity Array Site B1	
APB2	Apatity Array Site B2	
APB3	Apatity Array Site B3	
APB4	Apatity Array Site B4	
APB5	Apatity Array Site B5	
APC	Apacha	
APCG	Parque de las Ciencias	
APE	Apeiranthos	
APER	Aper	
APEZ	Moni Apezanon	
APG	El Apazote	
APGM	Casa M˜¡quinas Miravalles	
APH	Airport Hangar	
APHE	Pico Herrero	
API	Apia	
APK	Angel's Peak	
APKW	Angels Peak	
APL	Alpnach	
APLL	PUNTA DE LOS LLANOS	
APM	Augspurger Mountain	
APN	Apakhonchich	
APNR	Astor Pass	
APO	Äppelbo	
AP-OK	Apache	
APON	Apoyo	
APP	Appelbo	APO
APPA	Casa M˜¡quinas Las Pailas	
APPI	Appiano	
APR	Arecibo	
APRM	Poppy Hill Road	
APRS		
APSI	Ampana	
APT	Avery Point	
APW	Alpha Peak	
APY	Apoyeque	
APYN	Apoyeque	
APYP	Conner	
APZ	The Paps	
APZ9	Apatity Array Site Z9	
AQ6*	Aqua Casa	
AQBJ	Aqaba	
AQDB	Aquidauana	
AQU	L'Aquila	
AR-	Aurora	AR-WS
AR1	Arenal	
AR2	Lago de Cote	
AR3	Tierras Morenas	
AR4	Solania	
AR5	Santa Elena	
AR6	Chiripa	
AR7	Cape Frico	
AR8	Nicoya	
AR9	North	
ARA	Arapuni	
ARA0	ARCESS Array Site A0	
ARA1	ARCESS Array Site A1	
ARA2	ARCESS Array Site A2	
ARA3	ARCESS Array Site A3	
ARAC	Aracena	
ARB1	ARCESS Array Site B1	
ARB2	ARCESS Array Site B2	
ARB3	ARCESS Array Site B3	
ARB4	ARCESS Array Site B4	
ARB5	ARCESS Array Site B5	
ARBE	Arbavere	
ARBF	Arbois	
ARBS	La Rabassa	
ARC	Arcata	
ARC1	ARCESS Array Site C1	
ARC2	ARCESS Array Site C2	
ARC3	ARCESS Array Site C3	
ARC4	ARCESS Array Site C4	
ARC5	ARCESS Array Site C5	
ARC6	ARCESS Array Site C6	
ARC7	ARCESS Array Site C7	
ARCES	ARCESS Array Beam Reference Point	
ARCH	Arica	
ARCI	Arcidosso	
ARCO	CERRO ARCO	
ARCR	ARCALIA	
ARD	Arida	
ARD1	ARCESS Array Site D1	
ARD2	ARCESS Array Site D2	
ARD3	ARCESS Array Site D3	
ARD4	ARCESS Array Site D4	
ARD5	ARCESS Array Site D5	
ARD6	ARCESS Array Site D6	
ARD7	ARCESS Array Site D7	
ARD8	ARCESS Array Site D8	
ARD9	ARCESS Array Site D9	
ARDC	Alexander Ranch	
ARDR	Aradan	
ARE	Arequipa	
ARE0	ARCESS Array Site E0	
ARE1	Arenal 1	
AREB	Areado	
AREE	Arenal	
ARG	Arkhangelos	
ARGU	Argyle Ridge	
ARH	Archignac	
ARHZ	Aropaoanui	
ARI	Arica	
ARIG	Puente Sto Nino	
ARJM	Robert W. Jensen	
ARK	Arkit	
ARKL	Arkaroola	
ARKR	Arakani	
ARL	Chiapas	
ARLS	Aral	
ARM	Puerto Armuelles	
ARM2	Puerto Armuelles 2	
ARMA	Armidale	
ARME	Armento	
ARMT	Armutlu	
ARN	Arnold Ranch	
ARNB	Al Arnab	
ARNI	Argonne North	
ARNL	Arenillas	
ARNR	Ardon	
ARNS	Arna	
ARNU	Arnoeviken	
ARNY	Arden House	
ARO	Arta Observatory	
AROD	Rodeo	
AROL	Arenal Observatory Lodge	
ARP	Angono	
ARPS	Mount Arapiles	
ARPT	Arp	
ARQ	Araqi	
ARR	Arges	
ARRM	Rickey Ranch	
ARRY	Arrayan	
ARRZ	Ararat	
ARS	Arshan	
ARSA	Arzberg	
ARSB	Arslanbob	
ARSS	Ar Rass	
ARST	Arsuz	
ART	Arta	
ARTF	Artigues	
ARTJ	Al Aritein	
ARTL	Arthez-de-Bearn	
ARTR	Artybash	
ARTT	Arusha	
ARTV	Artvin	
ARU	Arti	
ARUT	Antelope Range	
ARUZ	Aruch	
ARV	Arcevia	
ARVC	Arvin	
ARVD	Arcevia	
ARVI	'Arava Valley	
ARVN	Arviat, NU	
ARWM	Richard P. Wilkes	
AR-WS	Aurora	
ARX	ARAXOS	
AS01	Alice Springs Array Site 1	
AS02	Alice Springs Array Site 2	
AS03	Alice Springs Array Site 3	
AS04	Alice Springs Array Site 4	
AS05	Alice Springs Array Site 5	
AS06	Alice Springs Array Site 6	
AS07	Alice Springs Array Site 7	
AS08	Alice Springs Array Site 8	
AS09	Alice Springs Array Site 9	
AS10	Alice Springs Array Site 10	
AS11	Alice Springs Array Site 11	
AS12	Alice Springs Array Site 12	ASAR
AS13	Alice Springs Array Site 13	
AS14	Alice Springs Array Site 14	
AS15	Alice Springs Array Site 15	
AS16	Alice Springs Array Site 16	
AS17	Alice Springs Array Site 17	
AS18	Alice Springs Array Site 18	
AS19	Alice Springs Array Site 19	
AS31	Alice Springs Site	
ASA	Asahikawa	
ASAI	AK-SAY(Kyrgyzstan)	
ASAJ	Asahikawa	
ASAK	Asacha	
ASAL	Salagasta	
ASAO	Ashtian	
ASAR	Alice Springs Array Beam Reference Point	
ASAT	Asagicarikuru	
ASB	Amchitka	
ASBA	Santa Barbara	
ASC	Amchitka	
ASCB	Sierra Cabrera	
ASCN	Ascension	
ASD	Amchitka	
ASE	Aserradero	
ASF	Jabal al Asfar	
ASG	Minamiashigara	
ASH	Ashkhabad	
ASH19	Ascension Island Hydrophone Array Site 19	
ASH21	Ascension Island Hydrophone Array Site 21	
ASH23	Ascension Island Hydrophone Array Site 23	
ASH24	Ascension Island Hydrophone Array Site 24	
ASH25	Ascension Island Hydrophone Array Site 25	
ASH26	Ascension Island Hydrophone Array Site 26	
ASH27	Ascension Island Hydrophone Array Site 27	
ASH29	Ascension Island	

	Hydrophone Array Site 29	
ASHG	Umm Shaghir	
ASHJ	Ashqof	
ASHO	Ashiyiah	
ASHT	Ashkhabad	
ASI	Mount Amassa	
ASIG	Aasiaat, Greenland	
ASJ	Aso san	
ASK	Askoy	
ASKD	Sinn el Kaddab	
ASKU	Askersund	
ASL	Abu Simbel	
ASM	Asama Yama	
ASME	Asmera	
ASMM	Slate Mountain	
ASMO	Sierra Morrones	
ASNY	Au Sable	
ASO	Aso	
ASOR	Ausora	
ASP	Alice Springs	
ASPA	Alice Springs	
AS-PA	Altoona	
ASPF	Aspremont	
ASPU	Aespoe	
ASQU	Asqua	
ASR	Mount Adams--Stagman Ridge	
ASRM	Slough House Road	
ASS	Assisi	
ASSB	Assisi San Benedetto	
ASSE	Asse, Remlingen/Germany	
ASSG	Aftenstjerne Lake, Greenland	
AST	Butare	BTR
ASTB	Santa Barbara	
ASTN	Avondale Springs	
ASTR	Astara	
ASU	Arizona State University	
ASUD	Al Ashush, Dubai	
ASUT		
ASW	Aswan	
ASYS		
ASZ	Ashizuri	
AT-	Austin	AT-NV
AT01	Promano (Citt^ di Castello) - PG	
AT02	Lugnano (Citt^ di Castello) - PG	
AT03	Montalto (Apecchio) - PU	
AT04	Castiglione Aldobrando (Gubbio) - PG	
AT05	Racchiusole (Umbertide) PG	
AT06	Poggio Sant'Ercolano (Gualdo Tadino) PG	
AT07	Catigliano (Citt^ di Castello) - PG	
AT08	Fraticciola Selvatica (Perugia) - PG	
AT09	Santa Cristina (Gubbio) - PG	
AT1	West Kanaga	AK1
AT10	Torre dell'Olmo (Gubbio) - PG	
AT2	South Tanaga	AK2
AT3	North Tanaga	AK3
ATA	Atar	
ATAB	Bozova	
ATAF	Djebel Tarf	
ATAH	Atahualpa	
ATAL	Atalanti	
ATAQ	'Ataq	
ATB	Altamira	
ATBU	Serra di Burano	
ATC	Attachie	
ATCA	Cantone	
ATCC	AVT- Casa Castalda	
ATD	Arta Tunnel	
ATDB	Astolofo Dutra	
ATE	Arette	
ATEJ	Tejeda	
ATES	Arlington Trafton Elementary School	
ATFO	Monte Foce - Gubbio	
ATG	Ambohiby	
ATGJ	Altiaghaj	
ATH	Athens Observatory	
ATHU	Athens University	
ATI	Atico	
ATIP	Tipaza	
ATKA	Atka Island	
ATKO	Atikokan Iron Mine	
ATKR	Artyk	
ATL	Atlanta	
ATLB	Atluck Lake	
ATLO	AVT- Montelovesco	
ATM	Atsumi	
ATMC	Monte Cedrone	
ATN	Antennamare	
AT-NV	Austin	
ATO	Altona	
ATOT	Gabel Atot	
ATPA	Allentown	
ATPC	Poggio Castellaccio	
ATPI	Pietralunga - Aviosuperficie	
ATPZ	Tipaza	
ATR	Alsterbro	
ATR1	Atar 1	
ATT	Attica	
ATTE	AVT- Monte Tezio	
ATTU	Attu Island--Fox	FX1
ATU	Athens Obs.	ATH
ATVA	AVT- Monte Valcinella	
ATVM	ATLACOMULCO	
ATVO	AVT- Monte Valentino	
ATX	Austin	
ATZ	Mount Atzmon	
AU2	Augustine Island	
AUBOZ	BOZOYUK	
AUC	Auckland	
AUD	Augustine Domo	
AUE	Augustine Island	
AUF	Augustine Flow	
AUH	Augustine H	
AUI	Augustine Island	
AUK	Auki	
AUKIR	K¨–rka- Seyitgazi ESKISEHIR	
AUKUT	KUTAHYA	
AUL	Augustine Lava	
AUM	Augustine Mound	
AUMIH	MIHALICIK	
AUNW	Augustine NWest	
AUP	Augustine Pinnacle	
AUQP	San Andres	
AUR	Aurakhmat	
AURF	Auriere	
AUS	Austin	
AUSE	Augustine SEast	
AUSIV	SIVRIHISAR	
AUSP	Uspallata	
AUT	El 'Aiyat	
AUTN	L'Aution	
AUW	Augustine West	
AVC	Adobe Valley	
AVE	Averroes	
AVF	Avril sur Loire	
AVFE	Valle Fertil	
AVFP	Avril sur Loire	
AVH	Avacha	
AVIZ	Vizcacheras	
AVN	Avellanes	
AVNC	Asheville	
AVNS	Nevsehir-Avanos	
AVNT	Avonos	
AVO	Avon	
AVOE	Asama Observatory	
AVOW	Apres Vouz Peak	
AVR	AVREN	
AVRM	Valley Road Site	
AVY	Angavokely	
AWA	Amchitka	
AWAL	West Alisa	
AWAZ	Awhitu Peninsula	
AWBH		
AWDQ	Awoonga Dam 3	
AWH	Whinburgh	
AWI	Antigua	
AWI1	Witton	
AWKL	West Kalabsha	
AWOON	Awoonga Dam	
AX-	Alexander City	AX-AL
AX2	Alexander City	AX2AL
AX2AL	Alexander City	
AX-AL	Alexander City	
AXAR	Agios Charalampos	
AXS	Araxos	
AXZ	Alexandra	
AY-	Academy	AY-SD
AYA	Ayagualo	
AYAN	Aya Nagar	
AYCH	Puerto Aysen	
AYDB	Zeytinkoy-Aydin	
AYDN	Tasoluk	
AYE	Ayenquera	
AYK	Aydincik	
AYN	Al'Uyaynah	
AYNT	El Ayoun	
AYS	Ayseler	
AY-SD	Academy	
AYT	Al 'Ayyat	
AYUS	'Aynunah	
AYVA	Ayvalik	
AYVM	Ayaqueme	
AZ-	Amarillo	AZ-TX
AZ1C	Azucar	
AZAC	Aniakchak	
AZAP	Zapla	
AZI	Avezzano	
AZJ	Azai	
AZL	Aizawl	
AZO	Oaxaca	
AZ-TX	Amarillo	
AZU	Azuero	
AZU1	Azuela	
AZU2	Pedasi@15	
AZUC	Azuc	
AZVM	Cuida Lopez Mateos	
B04A	Port Angeles	
B05A	Bryant	
B06A	Marblemount	
B07A	Winthrop	
B08A	Colville Reservation, Omak	
B09A	Rice	
B10A	Chitwood Farm, Usk	
B11A	Sandpoint	
B12A	Libby	
B13A	Whitefish	
B14A	Marquette Ranch, East Glacier	
B15A	Bradely Ranch, Valier	
B16A	M & M Farms, Shelby	
B17A	L&G Farms, Chester	
B18A	Beardsley Farm, Havre	
B19A	Brinkman Farms, Chinook	
B1NU	Baffin Island 1	
B20A	Solberg Farm, Malta	
B21A	Ellsworth Farm, Hinsdale	
B22A	Reddig Ranch South, Frazer	
B23A	Brockton	
B25A	Knox Farm, Ray	
B26A	Jensen Ranch, Palermo	
B27A	Peters Farms, Glenburn	
B28A	Dugan Ranch, Towner	
B29A	Wagenman Farm, Cando	
B2NU	Baffin Island 2	
B30A	Myrvik Farm, Edmore	
B31A	Greenbush Farm, Park River	
B32A	Ashes, Strandquist	
B34A	Aery, Baudette	
B5GA	5 Glenshane	
BA-	Baldwin	BA-WS
BA01	Aachen	
BA02	Stolberg	
BA03	Weissweiler	
BA04	Fiesheim UWZ	
BA05	Sindorf	
BA06	Horem	
BA07	Koln University	
BA08	Dellbruck	
BA09	Bensberg	
BA10	Klein Altendorf	
BA11	Duren	
BA12	Beaesweiler	
BA13	Heinsberg	
BA14	Wollersheim	
BA15	Heimerzheim	
BA16	Vanikum	
BA17	Glehn	
BA18	Steinbach	
BA19	Koln Dom Grabung	
BAA	Buenos Aires	
BAB	Beni-Abbes	
BABE	Bainbridge School	
BAC	Bacau	
BACC	Bachelor Mtn.	
BACF	Baccarat	
BACH	Barnechea	
BACM	Baccana	
BACU	Backbrunna	
BAD	Bernadia	
BADA	Al Bad'	
BADI	Badiali	
BADN	Badegauja	
BADT	Buyukada	
BAE	Brasilia	
BAE1	Brasilia Array Site E1	
BAE2	Brasilia Array Site E2	
BAE3	Brasilia Array Site E3	
BAE4	Brasilia Array Site E4	
BAE5	Brasilia Array Site E5	
BAEE	Brasilia Array Site EE	
BAF	Belacker	
BAF*	Baguio	
BAG	Baguio City	
BAG8	Bagolino	
BAGL	Bagley Icefield	
BAGO	Egridir - ISPARTA	
BAH	Barrette	
BAHL	Ahlen	
BAI	Bari	
BAI*	Bari	
BAI2	Baranello	
BAIF	Baives	
BAK	Baki	
BAKC	Calstate	
BAKI	Biak	
BAL	Ballidu	
BALA	Baldy Mountain	
BALAT	Bala	
BALB	Balikesir	
BALC	Balcom Canyon	
BALD	Monte Baldo	
BALI	Monte Baldo	
BALM	Baldy	
BALP	Baler	
BALST	Balsthal	
BALT	Daday	
BALY	Balya	
BAM	Barrage Abdel Moumen	
BAMF	Morne Balai	
BAN	Banff	
BANI	BANI	
BANL	Banca Lucia	
BANM	Bannockburn	
BANO	Bancroft	
BANOM	Banah	
BANR	Banloc	
BAO	Brasilia Array Centre Point	
BAP	Bailey Peak	
BAP*	Basco	
BAPM	Anderson Peak	
BAPR	Bucharest-Childs Park	
BAR	Barrett	
BAR1		
BARA	Bahrah	
BARB	Barbacena	
BARC	Barichara	
BARK	Barkley Ridge	
BARN	Barnard Glacier	
BARS	Barje	
BART	Pico Bartolomeu	
BARV	Barcelona	
BAS	Basle	
BAS1	Brasilia Array Site S1	
BAS2	Brasilia Array Site S2	
BAS3	Brasilia Array Site S3	
BAS4	Brasilia Array Site S4	
BAS5	Brasilia Array Site S5	
BASE	Brasilia Array Site SE	
BASI	Baing, Sumba	
BASO	Ashfield	
BASP	Panama	
BAT	Bayram-Ali	
BATC	Bat Cave Butte	
BATG	Bathurst New Brunswick	
BATH	Bath	
BATI	Baumata	
BATP	Bataraza	
BAU	Ballabur	
BAUT	Bautismo	
BAUV	El Baul	
BAV	Blacksburg	
BAVM	Antelope Valley	
BAW	Bavra	
BAW1	Brasilia Array Site W1	
BAW2	Brasilia Array Site W2	
BAW3	Brasilia Array Site W3	
BAW4	Brasilia Array Site W4	
BAWE	Brasilia Array Site WE	
BA-WS	Baldwin	
BAY	Bayanday	
BAYA	Yate Dam	
BAYK	Bayan-Aul	
BAYN	Bayana	
BAYT	Ayd¯–ntepe-Bayburt	
BB-	Bloomsburg	BB-PA
BB16B	Bebedouro	
BB19B	Bebedouro	
BBA	Boulbra	
BBAL	Bala	
BBB	Bella Bella	
BBC	Big Bear	
BBD	Blackbird State Forest	
BBEB	Bay Bridge East	
BBG	Brasstown Bald	
BBGH	Gun Hill	
BBGM	Big Mountain	
BBH	Bruntsheil	
BBI	Big Bend	
BBIL	Ulba Tungurahua	
BBIR	Bucharest-INCERC-borehole	
BBJ	Bamboo Saint Ann	
BBKI	Banjar Baru	
BBL	Barber's Block	
BBLS	Lazići	
BBM	Big Bend	
BBN	Black Butte	
BBNM	San Benito	SBT
BBO	Besboro Island	
BBO1	Bothel	
BBOO	Buckleboo	
BBOR	Butler Butte	
BBOU	Bougnies	
BBP	Basco	
BB-PA	Bloomsburg	
BBR	Beebe Ranch	
BBRC	Big Bear Solar Observatory, Big Bear Lake	
BBS	Basel-Blauen	
BBSC	Beaumont Base	
BBSI	Bau Bau	
BBSP	Saint Philip	
BBSR	BB Station	
BBT	Barrage Ibn Batouta	
BBTK	Belbasi	
BBTN	Blue Bank Bayou	
BBTS	Babate	
BBU	Al Budayyi	
BBUT	Bumble Bee	
BBW	Black Birch	
BC01	Beaver Creek Array Site 1	
BC02	Beaver Creek Array Site 2	
BC03		BCA3
BC04	Beaver Creek Array Site 4	
BC05	Beaver Creek Array Site 5	
BC2	Big Chuckwalla Mountains 2	
BC3	Big Chuckawalla Mtns, Desert Center	
BC3*		BCA3
BCA	Borcka	
BCA3	Beaver Creek Array Site 3	BCAR
BCAM	Yenicaga	
BCAO	Bangui	
BCAR	Beaver Creek Array Beam Reference Point	
BCB	Big Creek Baldy	
BCBC	Bella Coola	
BCC	Colson Canyon	
BCC1	Chapelcross	
BCCC	Bear Creek Country Club, Murrieta	
BCCH	Brava--Cachaco	
BCD	Casitas Dam	
BCE	Book Cliffs East	
BCES	Court-Saint-Etienne	
BCG	Bois Riant Capesterre	
BCGM	Cienega Road	
BCH	Branch Mountain	
BCHG	Becho	
BCHM	Black Canyon North	
BCI	Bajram Curri	
BCIP	Isla Barro Colorado	
BCK	Bucak	
BCKR	Birch Creek	
BCL	Casitas Lake	
BCLA	Clavier	
BCLQ	Boischatel	
BCM	Basin Creek	
BCN	Boulder City	
BCO	Cerro Blanco	RTCB
BCP	Baguio City	
BCPH	Baguio City Dairy Farm	
BCPM	Bancas Point	
BCR	Bucaramanga	
BCRT	Bacon Ridge	
BCS	Baptist College of Charleston	
BCS*	Brasilia Array	
BCSO	Bloom-Carroll	
BCT	Brookfield	
BCU	Bear Canyon	
BCUT	Brigham City	
BCVB	Bac Can	
BCW	Bitter Crk WRge	
BCWM	Chews Ridge	
BCX	Boston College	
BCYI	Bear Canyon	
BCZ	Braida Crags	
BD-	Bedford	BD-PA
BD01	Bergheim Laurentius Kirche	
BD02	Tagebau Bergheim	
BD03	Millendorf	
BD04	Gut Margarthenhoehe	
BD05	Hambach	
BD07	Roetschberg	
BD08	Hambach Funkstation	
BD09	Hochneukirch	
BD10	Pesch	
BD11	Borschemich	
BD12	Bourheim	
BDA	Boulder Dam	
BDAS	Al Bad'	
BDB	Bagneres-Bigorre	
BDBC	Bennett Dam	
BDC	Boulder	
BDF	Brasilia (W)	
BDFB	Brasilia	
BDG	Badger Mountain	
BDH	Highclere	
BDHA	Al Bayda'	
BDI	Bagni Di Lucca	
BDID	Brownlee Dam	
BDL	Dobcross Hall	
BDM	Black Diamond Mines Park, Antioch	
BDMQ	Boondooma Dam	
BDN	Bodon	
BDNM	Bernardo	
BDO	Budoia	
BDP	Broad Pass	
BD-PA	Bedford	
BDR	Baidarnaya	
BDRM	Kayabasi	
BDRN	Badran	
BDS	Barbados	
BDSL	Dessel	
BDT	Bhumibol Dam	
BDU	Big Dutch Hollow	
BDV	Budva	
BDW	Boulder	
BE-	Belleview	BE-FL
BEA	Beatty	BTY
BEAD	Nord Galaele Koma	
BEAW	Beaver Mountain	

Code	*Station Name*	*Other*
BEB	Belem	
BEBN	Eben Emael	
BEC	Bermuda--Columbia	
BECU	Ecuador Network	
BED	Bald Eagle	
BEE	Al Areen	
BEEN	Beenleigh	
BE-FL	Belleview	
BEG	Bergheim	
BEH	Bench	
BEHE	Becsehely	
BEHM	Elkhorn Ranch	EKH
BEI	Bear River Range	
BEK	Belvue	
BEKR	Beckworth	
BEL	Belsk	
BELA	Belgrano 2	
BELC	Belle Mtn. Joshua Tree, Twentynine Palms	
BELI	Belica	
BELQ	Belleterre	
BELV	Belvedere	
BEM	Bemidji	
BEMM	Emmet	EMT
BEMT	Mount Belmont	
BEN	Bermuda-Navy	
BEND	Bend	
BENE	Beatrice	
BENN	Benn Knob	
BENR	Benton	
BENWA	Benson Ranch	
BEO	Beograd	
BEP	Beppu	
BER	Bergen	
BERA	Berati	
BERF	Bertagne	
BERG	Berg Lake	
BERI	Bernadia	BAD
BERL	Berlin (NY)	
BERN	Bernov	
BERNI	Berninapass	
BERR	Berezeni	
BERT	Berda	
BERU	Beregovo	
BES	Besancon	
BESB	Sao Joao Dos Patos	
BESE	Bessie Mountain	
BESP	Borongan	
BEST	Besiri	
BET	Bethel	
BETC	Betania	
BETH	Bethel	
BETM	Bethany	
BETV	Betijoque	
BEU	Beuren	
BEV	Beverley	
BEVG	Clark Hill Reservoir	
BEVT	Boeing Everett	
BEW	Beaufort West	
BEY	Berane	IVA
BEYL	Beirut	
BEYR	Belyy Ugol+	
BEYT	Beykoz	
BF-	Bakersfield	BF-CL
BFC	Buffalo Canyon	
BF-CL	Bakersfield	
BFD	Bellfield	
BFF	Buffalo-Larkin	
BFM	Bigfork	
BFMT	Birchfield Mountain	
BFO	Black Forest	
BFS	Buffelsfontein	
BFSC	Mount Baldy Ranger Station	
BFSD	Buffelsfontein	
BFT	Belfast (SA)	
BFW	Baw Faw Mountain	
BFZ	Birch Farm	
BG-	Bangor	BG-ME
BG3		
BGA	Mount Bagana	
BGB	Big Butte	
BGC	Bolinger Road	
BGCA	Bogoin	
BGD	Bogdanovka	
BGES	Gesves	
BGF	Bois d'Agland	
BGG	Burgeitz	
BGH	Bear Gulch	
BGI	Bengkulu	
BGIO	Bar Giyyora	
BGK	Belogorka	
BGK2	Belogorka 2	
BGKT	Bogazkoy	
BGKY	Bowling Green	
BGL	Barrier Glacier	
BGLC	Bering Glacier BLM Camp	
BGLD	Berchtesgaden	
BGLV	Boslevi	
BGM	Big Mountain	
BG-ME	Bangor	
BGMR	Bucharest-Geological Museum	
BGMT	Barton Gulch	
BGN	Big Creek	
BGNE	Belgrade	
BGO	Bowling Green	
BGOL	Bingol	
BGP	Bagra	
BGR	Bangor (NY)	
BGRM	Barrier Glacier Two	
BGRQ	Glenroy	
BGSB	Baguashan	
BGSO	Bowling Green State University	
BGU	Big Grassy Mountain	
BGUS	Bergheim	
BGV	Bac-Giang	
BGY	Belgrade	
BGZ	Barguzin	
BH-	Burwash Landing	BH-YK
BHA	Broken Hill	
BHB	Bricherasio	
BHBD	Braunhartsberg	
BHC	Bohunice	
BHD	Baghdad	
BHDI	Bhandari	
BHE	Schloss Buerresheim	
BHG	Bad Reichenhall	
BHGR	Bahadurgarh	
BHH	Howats Hill	
BHHZ	Black Hill Station	
BHI	Bertha Hill	
BHJ	Bhuj	
BHK	Bhakra	
BHKY	Bowman Hall	
BHL	Bhannes	
BHM	Barham	
BHMT	Big Hole Peak	
BHO	Bethel	
BHOK	Bomura	
BHP	Balboa Heights	
BHPL	Bhopal	
BHPR	Bishop	
BHRA	Bahrah	
BHRM	Hodges Ranch	
BHS	Barnard House	
BHSM	Hastings State Park	
BHSO	Botkins High School	
BHT	Blowhole	
BHU	Blowhard Mountain	
BHUJ	Bhuj	BHJ
BHUT	Beaver	
BHV	Bhavnagar	
BHW	Baring Head	
BHXE	Hunxe	
BH-YK	Burwash Landing	
BI-	Big Stone Gap	BI-VA
BI1	Barter Island	
BI2	Barter Island	
BI3	Barter Island	
BI4	Barter Island	
BIA	Bitola	
BIAC		DIAC
BIAL	Bialla	
BIB	Bowen Island	
BIBA	Brigerbad	
BIBN	Bibbiana	
BID	Bidston	
BIDA	Albida	
BIDO	Bidbid	
BIDS	Bi'r al Bayda'	
BIE	Brione	
BIG	Big Mountain	
BIGH	Upper Bighouse, Forsinard	
BIL2	Estacion Bilbao	
BILB	Tungurahua volcano	
BILL	Bilibino	
BIM	Bigot	
BIN	Binsa	
BING	Binghamton	
BINT	Bingol	
BINY	Binghamton	
BIO	Biorka	
BIP	Bislig	
BIPH	Bislig	
BIPS	Buchanan	
BIR	Birlad	
BIRU	Birjand	
BIRV	Birongo	
BIS	Bismark Peak	
BISC	BISOCA	
BISH	Bishah	
BISR	Bishrakh	
BISS	Bistriski jarek	
BIT	B. Ibn Batouta	BBT
BIU	Bingham Canyon	
BI-VA	Big Stone Gap	
BIW	Bindweide	
BIX	Bixby	
BIZ	Bicaz	
BJA	Jaww	
BJCM	Johnson Can.	JHC
BJDM	Burrinjuck Dam	
BJEM	Burrinjuck	
BJI	Beijing	
BJI2	Beijing	
BJII	Banjamegara	
BJMA	Bojnurd	
BJO	Bjornoya	
BJO1	Bjornoya	
BJOM	Mount Johnson	
BJRD	Bojnu@18rd	
BJT	Baijiatuau	
BJU	Chiapas	
BJUU	Bjuv	
BK-	Bald Knob	BK-AR
BKA	Kennedy	
BK-AR	Bald Knob	
BKB	Balikpapan	
BKB2	Balikpapan	
BKC	Brookwood Reservoir	
BKCOR	Black Crater	
BKE	Bekescsaba	
BKG	Blockade Glacier	
BKHT	Bunker Hill	
BKI	Bering	
BKJ	Big Koniuji Island	
BKL	Bakel	
BKLB	Ruhr-University Bochum--Klosterbusch Mine	
BKM	Butte a Klehm	
BKN	Blacknest	
BKNI	Bangkinang	
BKO	Bokosso	
BKOA	Assam	
BKR	Bakuriani	
BKRC	Baker	
BKS	Berkeley--Byerly	
BKSI	Bulukumba	
BKT	Bakacak	
BKU	Beaver Lake Mountains	
BKZ	Black Stump Fm	
BL-	Beckley	BL-WV
BL1	Borgo	BSL
BLA	Blacksburg	
BLAC	Blackrock camp	
BLAF	les Blancs	
BLBC	Blue River	
BLBQ	Baie-St-Paul	
BLC	Baker Lake	
BLCB	Balcova	
BLCC	Black Canyon	
BLCH	La Chartreuse	
BLCS	Bulochka	
BLD	Baljuvan	
BLDC	Black Mountain	
BLDU	Ballidu	
BLE	Bellville	
BLEU	Blekinge	
BLF	Bloemfontein	
BLG	Laguna Peak	
BLGA	Beluga	
BLGI	Bet Lehem HaGelilit	
BLGM	Bulgan	
BLH	Bald Hill	
BLHA	Black Hill	
BLHR	Bucharest-Stefan cel Mare Str.	
BLI	Bleialf	
BLIT	Baltah	
BLJ	Bijeljina	
BLJI	Banyuglugur	
BLJS	Baljurashi	
BLK	Black Butte	
BLKC	Black Mountain	
BLL	Bellingham	
BLLA	Bellaria	
BLLM	Bellamira	
BLLO	Bulolo	
BLM	Blue Mountain	BMT
BLM*	Bell Mountain	
BLMT	Blacktail Mountain	
BLMY	Blum	
BLN	Blyn Mountain	
BLNT	Belen	
BLO	Bloomington	
BLP	Lompoc	
BLPI	Bilaspur	
BLR	Black Rapids	
BLRM	Lewis Ranch	
BLRR	Bol'shaya Rechka	
BLS	Blasjo	
BLS1	Blasjo	
BLS2	Blasjo	
BLS3	Blasjo	
BLS5	Blasjo	
BLSD	Baie du Lac Sali	
BLSI	Bandar Lampung	
BLSP	Bilaspur	
BLT	Belted Range	
BLTW	Bickleton	
BLU	Blue Ridge	
BLV	Bailadores	
BLVT	Baltimore	
BLW	Big Hill	
BL-WV	Beckley	
BLWY	Bulawayo	
BLY	Banja Luka	
BLYC	Blythe	
BLZ	Bolzano	
BM-	Balmorhea	BM-TX
BM01	Burnt Mountain Array Site 1	
BM02	Burnt Mountain Array Site 2	
BM03		BM3
BM04	Burnt Mountain Array Site 4	
BM05	Burnt Mountain Array Site 5	BMAR
BM3	Burnt Mountain Array Site 3	
BMA	Barra Mansa	
BMAR	Burnt Mountain Array Beam Reference Point	
BMAS	Trigal station	
BMB	Barrage Mohamed Ben Abdellah	
BMBC	Bull Mountain	
BMCM	McPhails Peak	
BMD	Beni Messoud	
BME	Barrage Mansour Eddahbi	
BMG	Bucaramanga	
BMHM	Mount Harlan	
BMI	Bomdila	
BMK	Barrage El Makhazine	
BMK*		BMKM
BMKM	Barrage Mohammed V	
BMKR	Bomnak	
BML	Blue Mountain Lake	
BMM	Big Maria Mountains	
BMN	Battle Mountain	
BMNI	Bima	
BMNM	Bear Mountains	
BMO	Blue Mountains Array	
BMOL	Mol	
BMOR	Cotopaxi Volcano	
BMR	Baia Mare	
BMRD	Maredsous	
BMRM	Bremner River	
BMRO	Meriville Lake	
BMRR	Black Mountain	
BMS	Big Muddy Lake	
BMSB	Bamfield Marine Station	
BMSH	Bir Mashi	
BMSM	Mercy Hot Springs	
BMT	Blue Mountain	
BMT*	Black Mountain	
BMTC	Bear Mountain	
BMTN	Black Mountain	
BM-TX	Balmorhea	
BMU	Muharraq	
BMUT	Black Mountain	
BMW	Boistfort Mountain	
BMY	Bingley Moor	
BN2S	Brisbane 2 Soft	
BNA	New Abbey	
BNAB	Bonilla	
BNALP	Bannalp	
BNAS	Cotopaxi Volcano	
BNB	Barry Inlet	
BNC	Bambui	
BND	Bandung	
BNDI	Bandanaira	
BNDS	Bandar-Abbas	
BNE	Burnie High School	
BNG	Bangui	
BNGB	Bing¶ll	
BNGL	BINGOL	
BNH	Berlin	
BNI	Bardonecchia	
BNJ	Bonny Gate	
BNLO	Ben Lomond (Santa Cruz Mountains)	
BNM	Barren Site	
BNN	Bunyan	
BNON	Benoni	
BNP	Banawang	
BNPN	Boundary Peak	
BNS	Bensberg	
BNSI	Bone	
BNT	Bandirma	
BNV	Benevento	
BNY	Binghamton	
BO-	Brewton	BO-AL
BO1	Boulder	
BOA	Boaco	
BOA1	Boaco	
BOAB	BOACO BROADBAND	
BOAC	Boac	
BO-AL	Brewton	
BOB	Bobbio (Coli)	
BOC	Bochum	
BOCO	Bogota	
BOD	Bodaibo	
BODR	Bodie	
BODT	Bodrum	
BODY	Near Bada	
BOF	Bonneval	
BOG	Bogota	
BOH	Bohocortia	
BOI	Boisen	
BOIN	Boiestown	
BOJ	Boujaaouane	
BOJS	Bojanci	
BOK	Bokaro	
BOKR	Bokaro	BOK
BOL	Bologna	
BOLM	Sugar Bowl	
BOLP	Bolinao	
BOLS	Boljevac	
BOLV	Bolvadin	
BOM	Bombay	
BON	Bonds Corner	
BONR	Boundary Peak	
BOO	Bordano	
BOOC	South Base Booster	
BOON	Boondooma	
BOPT	Opiter	
BOQS	Boqueron	
BOQSS		
BOR	Borzhomi	
BORA	Eskisehir	
BORC	Borrego Springs	
BORG	Borgarnes	
BORI	Bordano	BOO
BORS	Borseda	
BORU	Boraas	
BOS	Bosque Alegre	
BOSA	Boshof	
BOSI	Bozen	
BOSL	Borgo San Lorenzo	
BOSS	Bosilegrad	
BOST	Ostende	
BOT	Bacolet	
BOTT	Botticino	
BOTV	Botiquin	
BOU	Boulder	
BOURR	Bourrignon	
BOV	Bogong Mts	
BOVS	Bovan	
BOW	Bowman	
BOX	Box Canyon	
BOXN	Box Lake	
BOY	Boyalica	
BOYT	Boyabat	
BOZ	Bozeman (W)	
BOZC	Bozcaada	
BOZD	Bozcaada-Canakkale	
BP-	Bishop	BP-CL
BPA	Boggy Peak	
BPAT	Tungurahua Volcano	
BPAW	Bear Paw Mtn.	
BPBC	Brooks Peninsula	
BPBCA	Veniaminof	
BPCB	Bare Point	
BP-CL	Bishop	
BPCM	Pine Canyon	
BPFM	Pfieffer Point	
BPI	Johannesberg	
BPIL	Belle Prairie	
BPIM	Pinnacles	
BPK	Black Peak	
BPM	Bucksport	
BPMT	Black Pine Ridge	
BPO	Bald Peter	
BPOM	Post Ranch	
BPPM	Pinyon Peak	
BPRM	Ponciano Ridge	
BPT	Bridgeport	
BPU	Bountiful Peak	
BQA	Beqa	
BQ-AK	Bethel	
BQB	Bob Quinn Lake	
BR-	Berlin (Penn)	BR-PA
BR00	Belbasi Site	BRAR
BR01	Belbasi Array Site 1	
BR02	Belbasi Array Site 2	
BR03	Belbasi Array Site 3	
BR04	Belbasi Array Site 4	
BR05	Belbasi Array Site 5	
BR06	Belbasi Array Site 6	
BR1	Brisbane hardrock	
BR101	Keskin Array Site 101	
BR102	Keskin Array Site 102	
BR103	Keskin Array Site 103	
BR104	Keskin Array Site 104	
BR105	Keskin Array Site 105	
BR106	Keskin Array Site 106	
BR131	Keskin Array Site 131	BRTR
BR2	Brisbane softrock	
BR231	Keskin MP Array Site 231	BRMAR
BR232	Keskin MP Array Site 232	
BR233	Keskin MP Array Site 233	
BR234	Keskin MP Array Site 234	
BR235	Keskin MP Array Site 235	
BR236	Keskin MP Array Site 236	
BR237	Keskin MP Array Site 237	
BR31	Belbasi Array Site 31	BRAR
BRA	Bratislava	
BRAL	Brewton	
BRANT	Les Verrieres	
BRAR	Belbasi Array Beam Reference Point	
BRAS	Brasopolis	
BRAT	Ballarat	
BRB	Barbados	
BRBC	Blue Ridge Broadcasting Company	

Code	Station Name	Other
BRBR	Barbar	
BRC	Barley Canyon	
BRCI	Bahraich	
BRCN	Bracie Corner	
BRCO	Bruce Peninsula	
BRCR	Berchikul'	
BRD	Bordesti	
BRDA	Ba@14rda@14	
BRDG	Blue Ridge	
BRDH	Bariadhala	
BRE	Wroclaw	
BREC	Barre Substation	
BREF	Cotopaxi Volcano	
BREM	Bremgarten	
BRES	Bressanone	
BREU	Bredtraesk	
BRF	Ar Rifa	
BRG	Berggiesshubel	
BRGC	Borrego Mountain	
BRGM	Braggadocio	
BRH	Birch Hill	
BRHE	Rheinberg	
BRI	Brig	
BRIB	Briones	
BRIE	Brienza	
BRIS	BRISIGHELLA	
BRIU	Brid	
BRIV	Barinas	
BRJ	Black River	
BRK	Berkeley--Haviland	
BRKS	Brookside Elementary School	
BRL	Berlin--Free University	
BRLK	Bradley Lake	
BRM	Bernie	
BRMAR	Keskin MP Array Beam Reference Point	
BRMM	Rolling Bench Mark	
BRMO	Bormio	
BRN	Berlin	
BRNE	Bradley Lake NE	
BRNI	Bet Oren	
BRNJ	Basking Ridge	
BRNL	Berlin--Lankwitz	
BRNM	Bernie	
BRNW	Bradley Lake NW	
BRNY	Black Rk. Forest	
BRO	Bare Mountain	
BROG	Barisakho	
BROM	Bains de Bromines	
BROR	Big Rock Lookout	
BR-PA	Berlin	
BRPK	Brown Peak	
BRPO	Bonnechere River Park	
BRQR	Ronqui˜are	
BRR	Berryman	
BRS	Brisbane	
BRSB	Brisbane	
BRSD	Miller	
BRSE	Bradley Lake SE	
BRSN	Barisano	
BRSW	Bradley Lake SW	
BRT	Bari-Castellana	
BRTC	Bertell Ranch	
BRTN	Brown Mountain	
BRTR	Keskin Array Beam Reference Point	
BRU	Baru	
BRU2	Volcan	
BRUG	Bruguera	
BRUN	Tungurahua Volcano	
BRUT	Bromley	
BRV	Barrow	
BRVK	Borovoye	
BRVM	Little Rabbit V.	LRV
BRVW	Black Rock Valley	
BRW	Barrow	
BRWK	Brunswick	
BRY	Bratogost	
BRYW	Bryant College	
BRZ	Borland Lodge	
BSA	Byrd (S.R.I.)	BY1
BSBM	Swanson's Bluff	
BSC	Santa Cruz Island	
BSCB	Bom Sucesso	
BSCM	Stone Canyon	
BSCP	Brocks Farm	
BSD	Bornholm Skovbrynet	
BSD*	Akirkeby	BSD
BSE	Boise	
BSEG	Bad Segeberg	
BSF	Ballon Servance	
BSFP	Boeing Fire Protection	
BSGM	Shirttail Gulch	SHG
BSHA	Ruhr-University Bochum--Staatshockbauamt	
BSHR	Al Beshri	
BSI	Banda Aceh	
BSK	Brimstone Hill	
BSKQ	Steenkerk	
BSL	Borgo	
BSLM	Silva Ranch	
BSLQ	Bruslee	
BSM	San Miguel Island	
BS-MA	Billings	
BSMM	Soledad Mission	
BSMT	Bassoo Peak	
BSN	San Nicolas Island	
BSO	Bsor	
BSO1	Boso 1	
BSO2	Boso 2	
BSO3	Boso 3	
BSO4	Boso 4	
BSP	Bush Stream	
BSPQ	Baie-St-Paul	
BSPT	Big Springs	
BSR	Basra	
BSRM	Salinas Radio Site	
BSS	Baronissi	
BSSI	Bau Bau, Buton	
BSSO	Busso	
BST	Brest	
BSTF	la Bastide-des-Jourdans	
BSTI	Sart Tilman	
BSTK	Bystrovka, Novosibirskaya Oblast', Russia	
BSTP	Nigde	
BSTR	Bucharest-Scientist's House	
BSWZ	Blackbirch Station	
BSY	Bisya	
BSYO	Bisya	
BSZ	Bushy Park	
BT-	Bates	BT-OR
BTA	Talkin	
BTAM	Cotopaxi Volcano	
BTAS	Taskesti	
BTB	Buttle Lake	
BTC	Butembo	
BTCC	Brunts Corner	
BTCH	Batrach	
BTDF	Bukit Timah Dairy	
BTE	Batoke	
BTEZ	Ruhr-University Bochum--Technical Center	
BTG	Basse Terre	
BTGS	Batagay	
BTH	Betharram	
BTHS		
BTHT	Jabal bu Thady	
BTI	Bat Shelomo	
BTIN	Bart¯–n	
BTK	Batken	
BTKR	Batakoyurt	
BTL	Butler Peak	
BTLK	Bitlis	
BTLR	Botlikh	
BTM	Bintulu	
BTMB	Babushkin	
BTMN	Batman	
BTMR	Bucharest-Geotec Company	
BTMT	Batman	
BTN	Butuan	
BTNI	Buton	
BTO	Baotou	
BTOK	Tokmak	
BT-OR	Bates	
BTP	Batelco	
BTPC	Burnt Peak	
BTR	Butare	
BTU	Barney Top	
BTW	Bitterwater Creek	
BTY	Beatty	
BU-	Buckingham	BU-QB
BUA	Buia	
BUAY	Buenos Aires	
BUB	Buchberg	
BUC	Bucharest	
BUC1	Bucharest	
BUC2	Bucharest	BUC1
BUCF	Bucures@17ti--IRSA	
BUCH	Bad Urach	
BUCK	Buck Mountain	
BUCM	Buckrabanyule	
BUCN	Buchan	
BUD	Budapest	
BUDM	Budderoo	
BUE	Buenavista	
BUEV	Buena Vista	
BUF	Buffalo	
BUFB	Buffelsbos	
BUG	Bochum--University	
BUGC	Buga	
BUH	Buhlerhohe	
BUI	Burke	
BUII	Buia	BUA
BUJR	Buynaksk	
BUK	413	
BUKO	Buck Lake	
BUKP	Musuan	
BUL	Bulawayo	
BULB	Ulba Tungurahua	
BULE	Bulengo	
BULG	Bulgheria - Camerota	
BULL	Bull Run Dam	
BULN	Bullion Camp, Hudson Bay	
BUM	Brajici-Budva	
BUN	Bunnythorpe	
BUNC	Butner	
BUNI	Buntu Taipa	
BUO	Burlington	
BUOR	Burton Butte	
BU-QB	Buckingham	
BUR	Burlington	
BUR01	Bucovina Ar. Site	
BUR02	Bucovina Ar. Site	
BUR03	Bucovina Ar. Site	
BUR04	Bucovina Ar. Site	
BUR05	Bucovina Ar. Site	
BUR06	Bucovina Ar. Site	
BUR07	Bucovina Ar. Site	
BUR08	Bucovina Ar. Site	
BUR09	Bucovina Ar. Site	
BUR32	BURAR	
BUR33	BURAR	
BURAR	Bucovina Array	
BURD	Burdekin Lookout	
BURJ	Burma	
BURN	Burns	
BURU	Burvik	
BUS	Buena Vista	
BUSP	Coron	
BUT	Butte	
BUTP	Butuan	
BUTX	Baylor University	
BUV	Buchan	
BUW	Bucklebury West	
BUWY	Burn	
BUY	Buyukada	
BUZR	Buzau	
BV-	Belleville	BV-PA
BV1	Bath County 1	
BV2	Bath County 2	
BV3	Bath County 3	
BV4	Bath County 4	
BVA	Buena Vista	
BVA0	Borovoye Array Site A0	
BVA1	Borovoye Array Site A1	
BVA2	Borovoye Array Site A2	
BVA3	Borovoye Array Site A3	
BVA4	Borovoye Array Site A4	
BVAR	Borovoye Array Beam Reference Point	
BVB5	Borovoye Array Site B5	
BVB6	Borovoye Array Site B6	
BVB7	Borovoye Array Site B7	
BVB8	Borovoye Array Site B8	
BVB9	Borovoye Array Site B9	
BVC	Bear Valley Observatory	NOLM
BVC2	Cotopaxi Volcano	
BVCR	Bucharest-Old Court	
BVCY	Beaver Creek	
BVD	Bellevue State Park	
BVG	Bouganvilia	
BVH	Beverly Hills	
BVIL	Belleville	
BVK	Beaver Lake	
BVL	Bear Valley	
BVLM	Bear Valley	BVL
BVM	Bellevue	
BV-PA	Belleville	
BVR	Beaver	
BVT	Borgo Val di Taro	
BVTM	Michoacan	
BVV	Ba Vi	
BVW	Beverly	
BVYM	Vineyard	
BW-	Blewett	BW-WA
BW06	Boulder Array Site 6	
BWA	Boorowa	
BWD	Brandywine Creek State Park	
BWH	Wardlaw	
BWI	Barbuda	
BWJI	Bawean	
BWLO	Walkerton	
BWN	Browne	
BWNR	Bhubaneshwar	
BWP	Baguio Weather Station	
BWTI	Baumata	
BW-WA	Blewett	
BWZ	Berwen	
BX-	Blanding	BX-UT
BX-UT	Blanding	
BY1	Byrd--Stanford Research Institute	
BY2	Byrd--Stanford Research Institute	
BY3	Byrd--Stanford Research Institute	
BYA	Byrd--Stanford Research Institute	
BYAR	Belyy Yar	
BYB	Berrybush	
BYBT	Boyabat	
BYD	Bredaryd	
BY-IO	Bloomfield	
BYJI	Banyuwangi	
BYN	Bayano	
BYO	Bayan-Olgiy	
BYR	Byrd	
BYRJ	Bayer	
BYT	Bytom	
BYU	Brigham Young University	
BYX	Boyer Ranch	
BYXU	Byxelkrok	
BZ-	Buckhannon	BZ-WV
BZE	Bozeman	
BZER	Hlnxe	
BZEV	Zevekote	
BZGR	Bezymyannyi-Griva	
BZK	Bozkurt	
BZM	Bozeman	
BZMR	Bezymyannaya	
BZMT	Bozeman Pass	
BZN	Bogi-Zagon	
BZNA	Buzz No.'s Place	
BZS	Buzias	
BZWR	Bezymyannyi-West	
BZ-WV	Buckhannon	
C03A	Quillayute Airport, Forks	
C04A	Brinnon	
C05A	Tolt Reservoir	
C06A	Tall Timber Ranch, Leavenworth	
C06D	Leavenworth	
C07A	Waterville	
C08A	Higginbotham Farm, Almira	
C09A	Chrisman Ranch, Davenport	
C10A	Spilker Farm, Colbert	
C11A	Tepee Creek (NFS), Magee	
C12A	Trout Creek	
C12B	Naegeli Ranch, Trout Creek	
C13A	Hot Springs	
C14A	Swan Lake	
C15A	Salmond Ranch, Choteau	
C16A	Fuhringer Ranch, Dutton	
C17A	Wharram Farm, Highwood	
C19A	Slack Wire Ranch, Winifred	
C1SC	The Citadel Site 1	
C20A	Veseth Ranch, Zortman	
C21A	Desert Coulee Ranch, Glasgow	
C22A	Vida	
C23A	Lambert	
C24A	Savage	
C25A	Freed Ranch, Watford	
C26A	Wahner Farm, Parshall	
C27A	Sayler Ranch, Douglas	
C28A	Hausauer Farms, Kief	
C2SC	The Citadel Site 2	
C30A	Mose, Pekin	
CA-	Caryville	CA-TN
CA2	Cagliari Serpeddi	CGL
CAA	Chanaral	
CAB	Cabramurra	
CABA	Caballo Blanco	
CABF	La Chapelle	
CABP	Cabo Pasado	
CABS	Djebel Ababsia	ABSA
CAC	Calama	
CACB	Caconde	
CACC	Caltech Cellar	
CACH	El Canelo	
CACM	Antioch	
CAD	Cady Mountains	
CADI	Tunel del Cadi	
CADM	Anderson Res.	ADR
CADS	C@19adrg	
CAE	Caneva	
CAEH	'Ain El Ouahch	
CAF	Calviac	
CAFE	Carife	
CAFI	Castiglion Fiorentino	
CAFR	Castel Frentano	
CAFV	EL CAFE	
CAG	Caguas	
CAGN	Cagnes-sur-Mer	
CAGR	Agira	
CAGT	Chagyl	
CAH	Castle Hill	
CAHC	Cahuilla Valley	
CAHL	Cahill	
CAHU	Cacacuatique	
CAI	Caico	
CAIG	El Cayaco	
CAIM	Angel Island	AGC
CAIV	Caiguire	
CAL	Calcutta	
CALA	Caldeira	
CALB	Calabasas	
CALC	California City	
CALF	Calern	
CALI	Calice al Cornoviglio	
CALM	Calaveras Res.	CVR
CALN	Calern	
CALP	Taal Volcano	
CALV	Calvario	
CAM	Cambridge	
CAM1	Macae	
CAM3	Guarapari	
CAM4	Nova Friburgo	
CAMB	Cambridge (NY)	
CAMC	Camarillo Hills	
CAMI	Rancho Maria	
CAMM	Veracruz	
CAMN	Camsell Lake	
CAMP	Campotosto	
CAMV	Campeare	
CAN	Canberra	
CANA	Caviahue	
CANB	Canakkale	
CANN	Canning Dam	
CANR	Candelaria	
CANT	Cankiri	
CANV	Cerro Antonio	
CANY	Canisius	BUF
CAO	Cobano	
CAOM	Arnold Ranch	ARN
CAOV	Caicara del Orinoco	
CAP	Capodimonte	
CAPC	Capurgana	
CAPCA	Capra Ranch	
CAPR	Capriolo	
CAPU	Utah State Capitol	
CAPV	Capacho	
CAR	Caracas	
CAR1	CAROLEI	
CARB	Mount Cartier	
CARC	Carrizo Plain	
CARF	Carcanieres	
CARL	Carlisle	
CARM	Carmen	
CARO	Carolei	
CARS	Cars	
CART	Cartagena	
CAS	Casamari	
CASA	Carruther's Hill	
CASM	Ain Smara	
CASO	Castillo	
CASP	Castiglione della Pescaia	
CASR	Casa Diablo Mountain	
CAST	Castle Rocks	
CASW	Cayambe	
CASY	Casey	
CAT	Catania	
CATA	Catuaro Arriba	
CATE	Catamayo	
CATM	Catron	
CA-TN	Caryville	
CAUB	Caruaru	
CAUP	Cauayan	
CAV	Cavalese	
CAVC	Cave Mountain	
CAVI	Cavuskoy	
CAVM	Cavillon	
CAVN	Les Avellanes	
CAVT	Castelvetrano	
CAVTT	Cavuskoy	
CAW	Cannon Point	
CAY	Cayenne	
CAYA	Cayambe	
CAYR	Refugio Cayambe	
CAZ	Castlepoint	
CAZE	Cazenovia	
CB01	Cambridge Bay Array Site 1	
CB02	Cambridge Bay Array Site 2	
CB03	Cambridge Bay Array Site 3	
CB04	Cambridge Bay Array Site 4	
CB05	Cambridge Bay Array Site 5	
CB06	Cambridge Bay Array Site 6	
CB07	Cambridge Bay Array Site 7	
CB08	Cambridge Bay Array Site 8	
CB09	Cambridge Bay Array Site 9	
CB1	Chesbro Res. 1	ADR
CB10	Mt Hamilton Road	MHR
CB11	Cambridge Bay Array Site 11	
CB12	Cambridge Bay Array Site 12	
CB13	Cambridge Bay Array Site 13	
CB14	Cambridge Bay Array Site 14	
CB15	Cambridge Bay Array Site 15	
CB16	Cambridge Bay Array Site 16	
CB17	Cambridge Bay Array Site 17	
CB18	Cambridge Bay Array Site 18	

Code	*Station Name*	*Other*
CB19	Cambridge Bay Array Site 19	
CB2	Calero Reservoir	
CB3	Chesbro Res. 3	COE
CB31	Cambridge Bay Array Site 31	CBAR
CB32	Cambridge Bay Array Site 32	
CB33	Cambridge Bay Array Site 33	
CB34	Cambridge Bay Array Site 34	
CB35	Cambridge Bay Array Site 35	
CB4	Chesbro Res. 4	ARN
CB5	Chesbro Res. 5	SVC
CB6	Chesbro Res. 6	CVR
CB7	Poverty Ridge	
CB8	Chesbro Res. 8	
CB9	Mines Road	MNR
CBA	Cold Bay	
CBAR	Cambridge Bay Array Beam Reference Point	
CBB	Campbell River	
CBBF	Combe Brimond	
CBC	Chamberlain	
CBCC	Caltech Broad	
CBCH	Cabildo	
CBCY	The Bluff, Cayman Brac	
CBD	Cypress Bend	
CBET	Carlsbad E Tower	
CBEU	Beuda	
CBHM	Coso Basin North	
CBHT	Chr Bro Hi School	
CBI	Chichi jima	
CBIJ	Chichi jima	
CBJI	Citeko	
CBK	Corner Brook	
CBKC	Canebrake	
CBKS	Cedar Bluff	
CBLG	Bald Mountain Lookout	
CBM	Caribou	
CBMO	Girardeau Bridge	
CBN	Corbin	
CBND	Bou Andas	
CBO	Chesbro Reservoir	
CBP	Campbellpur	
CBR	Cabramurra	
CBRG	Chuberi	
CBRM	Bolinger Road	BGC
CBRQ	Cabonga Reservoir	
CBRU	Bruguera	
CBS	Caborca	
CBSM	Byron Hot Springs	
CBSW	Chelan Butte South	
CBT	Christianburg	
CBTI	Cedar Butte	
CBW	Chelan Butte	
CBW1	Budock Water	
CBWM	Brookwood Res.	BKC
CBX	Cerro Bola	
CBY	Cold Bay	
CBYB	Canovanas	
CBYP	Canovanas	
CBZ	Campbell Island	
CBZL	Buffer Zone	
CBZM	Michoacan	
CC1	Presa Caracol 1	
CC2	Presa Caracol 2	
CC3	Presa Caracol 3	
CC4	Presa Caracol 4	
CC5	Presa Caracol 5	
CCA	Coamo	
CCA1	Carnmenellis	
CCAC	Calif City Airpt	
CCAN	Las Canadas	
CCAR	Cane Creek	
CCAS	Cassa de la Selva	
CCAZ	Cataract Creek	
CCB	Clear Creek Butte	
CCC	Cusp Creek	
CCCA	Chr Cany lake	
CCCC	Cccc	
CCCH	Con Con	
CCD	Concordia, Antarctica	
CCF	CONSTANTA	
CCG	Camp Century	
CCH	Cochabamba	
CCHE	Chesterland	
CCHI	Chillan	
CCHK	Cheung Chau	
CCI	Cagliari Citta	
CCIG	Comitan	
CCK	Cocos Island	
CCM	Cathedral Cave	
CCMO	Creve Coeur	
CCMT	Clark Canyon Reservoir	
CCMX	Caleta Campos	
CCN	Cachucha Ranch	
CCNC	Camp Creek Bald	
CCNE	Clay Center	
CCNM	Crow Canyon Rd	CYC
CCO	Chico	
CCO1	Constantine	
CCOK	Camp Classen	
CCOM	Coe Ranch	COE
CCP	Cebu City	
CCPU	Cedar City Park	
CCR	Chacarita	
CCRB	Cholame Creek	
CCRM	Cairn Curran	
CCRT	Cow Camps Rge	
CCS	Cawcaw Swamp	
CCSP	San Pedro de Concepcion	
CCT	Chilecito	
CCU	Cedar City	
CCUT	Cedar City	
CCVA	Cudjo Caverns	
CCVB	Con Cuong	
CCW	Cape Campbell	
CC-WA	Cascade Tunnel	
CCX	Cicese	
CCYM	Coyote Hills	
CD2	Chengdu	
CDA	Cape Douglas	
CDAG	Cicekdag	
CDAL	Dalton Road	
CDAM	Ciudad Altamirano	
CDB	Caldarusani	
CDC	Canada Road	
CDCA	Citt' di Castello	
CDCB	Carmo do Cajuru	
CDCH	Caldera	
CDD	Cape Douglas	
CDF	Champ du Feu	
CDFW	Cedar Flats	
CDG	Carters Dam	
CDH1	Calico Hills	
CDH5	Calico Hills	
CDI	Cordova	
CDKN	Chidliak Camp Nunavut	
CDL	Candle	
CDL2	Cedral	CDRL
CDLV	Cueva Verdes	
CDM	Cerro de Muerte	
CDMR	Cedar Moraine	
CDN	Cerro del Durazano	
CDNM	Cardinia	
CDO	Cedar Creek	
CDOM	Doolan Road	DOO
CDP	Cerro de Punta	
CDPB	Cerro de Punta	
CDR	Cadarache	
CDRL	Cedral	
CDRO	Cedros	
CDRU	Civita di Ruta - Ottati	
CDSB	Chapadao Do Sul	
CDSM	Don Santos Ranch	
CDT	Castel del Monte	
CDU	Chengdu	
CDU1	Dunnerdale	
CDUM	Durate Ranch	DUC
CDVI	St. Croix	
CDVM	Del Valle	
CDY	Cape Darby	
CDZ	Cobb Dam	
CE-	Concrete	CE-WA
CEA	Ceahlau	
CEAP	Semis' Anvil Peak	
CEC	Childress 1	
CECL	East Claridon	
CECO	Cedaredge	
CECU	Ecuador Network	
CED	Cedar Springs	
CEDE	Laguna Cede˜–o	
CEDI	Cerro Diablo	
CEDR	Cedros	
CEH	Chapel Hill	
CEI	Carei	
CEIV	La Ceiba	
CEL	Celeste	
CELP	Cerrillos	
CEM	Cemisgezek	
CEME	Cevo	
CEN	Cerronegro	
CEN1	Los Morros	
CENE	Cerro Negro	
CEO	Cerro Encantado	
CEOS	Cerro El Oso	
CEP	Cherat	
CEPE	Semis' Perret Rge	
CER	Ceres	
CERA	Filignano	
CERAA	Semis' Rag'd Top	
CERB	Semis' Cerberus	
CERR	Cheremushki	
CERT	Cerreto	
CERV	Cerron	
CES	Cherskiy	
CESI	CESI - Serravalle di Chienti	
CESL	Cescau	
CESS	Cesta pri Krskem	
CEST	Esterri de Cardos	
CESW	Semis' Southwest	
CESX	Cesi	
CETU	Semis' Tuman	
CEU	Ceuta	
CEUT	Ceuta	
CE-WA	Concrete	
CEY	Cerknica	
CEYT	Ceyhan	
CF-	Colfax	CF-WS
CFA	Coronel Fontana	
CFAA	Coronel Fontana	
CFC	Cairnmuir Flats	
CFF	Clermont-Ferrand	
CFI	College Fiord	
CFL	Chilao Flats	
CFM	Cliffside	
CFO	Chats Falls	
CFON	Fontmartina	
CFR	Carcaliu	
CFS	Cross Fire Station	
CFSC	Central Fire St	
CFT	Crafton Hills	
CFTV	Fuerteventura	
CFU	Cove Fort	
CFUE	Fuerteventura	
CFWM	Cactus Flat West	
CF-WS	Colfax	
CG-	Cumberland Gap	CG-VA
CGA	Cape Gloucester Airport	
CGA2	Cerro Gallo 2	
CGAC	Cerro Gallo	
CGAR	Garraf	
CGC	Craig	
CGD	Chagda	
CGG	Guerrero	
CGGP	Crater GGP	
CGH	Cape Good Hope	
CGH1	Goonhilly	
CGI	Chicago	
CGIG		
CGJI	Cibinong	
CGL	Cagliari Serpeddi	
CGLM	Capps Glacier	
CGM	Cape Girardeau	
CGMA	Guelma	
CGN	Calugareni	
CGO	Cerro Gordo	
CGP	Cagayan de Oro	
CGPM	Gavin Park	
CGPV	Cottongarden Point	
CGR	Cap Guir	
CGRP	Cima Grappa	
CGRR	Girdled Road	
CGSM	China Gardens South	
CGT	Chuian-Garon	
CGTN	Cumberland Gap	
CGTX	Campo Grande	
CGUE	Guelma	CGMA
CGV	Camp Garcia	
CG-VA	Cumberland Gap	
CGVM	Cerro Gordo	
CGW	Gweek	
CGX	Ciudad Guzman	
CGY	Coligny	
CH-	Churchill	CH-MT
CH2	Chocolate Mountain	
CH5	Clark Hill Reservoir	
CH6	Clark Hill Reservoir	
CHA	Chatra	
CHAF	Chalampe	
CHAG	Chala	
CHAM	Chaffey Accelerograph	
CHAN	Chania	
CHAR	Charly	
CHAS	Isla Isabel II, Islas Chafarinas	
CHAT	Chantaburi	
CHAU	Chaumont	
CHB	Church	
CHBI	Chibit, Altay Republic, Russia	
CHBR	Chabahar	
CHBT	CHBT	
CHBY	Cihanbeyli	
CHC	Chapel Hill	
CHCH	Chadas Angostura	
CHCP	Chirah Chowk	
CHDN	Chaudanne	
CHDS	Charjew	
CHDUK	Cheddleton UK	
CHE	Cheb	
CHEG	Cheticamp, Nova Scotia	
CHET	Chet-Su	
CHF	Calhoun Falls	
CHFC	Chilao Flat Sta	
CHFM	Chaffey Dam	
CHFR	Pto Chacabuco	
CHG	Chiang Mai	CHTO
CHGM	Chingoma	
CHGN	Chignik	
CHGQ	Chibougamau	
CHH	Chihuahua	
CHI	Chicago-Loyola	
CHI1	Chimborazo	
CHI2		
CHIA	Chirikof Island	
CHIC	Chingaza	
CHIE	El Hierro	
CHIF	Chize	
CHIL	Chillagoe	
CHIM	Chimborazo	
CHIN	Chinandega	
CHIO	Chio	
CHIP	Near Potsdam	
CHIQ	Chicoutimi-Nord	
CHIR	Chirikof Island	
CHIR1	Chironico	
CHIS	Cerro-Chispas-Manabi	
CHIX	Chihuahua	
CHJ	Chichibu	
CHJJ	Chichibu	
CHK	Chicago	
CHK4	Chkalova array site	
CHK5	Chkalova array site	
CHK6	Chkalova array site	
CHK7	Chkalova array site	
CHK8	Chkalova array site	
CHK9	Chkalova array site	
CHKA	Cham-Katzbach	
CHKI	Chanki	
CHKK	Chushkaly	
CHKT	Chengkung	
CHKZ	Chkalovo	
CHL	Chilik	
CHLD	Childara	
CHLP	Challavanipeta	
CHM	Chimkent	
CHMF	Charmoille	
CHMN	Cheshme madani	
CHMS	Chumysh	
CHMT	Chamberlain Mountain	
CH-MT	Churchill	
CHMZ	Choma	
CHN	Chinchina	
CHN1	Nanshi	
CHN2	Minshiung	
CHN3	Shinhua	
CHN4	Tsaushan	
CHN5	Tsauling	
CHN6	CHN6	
CHN7	Lioujiau	
CHN8	Yiju	
CHNC	Chino	
CHNG	Los Chungos	
CHNM	Channel	
CHO	Chosi	
CHO1	Chosi	
CHOC		
CHOI	Coyote Hollow	
CHOJ	Chosi	
CHOR	Cabbage Hill	
CHOS	Chios island	
CHP	Chuchupate	
CHP1	Pelados	
CHP2	Corcovado	
CHP3	Chocan	
CHP4	Algarobillo	
CHP5	Huaypira	
CHP7	Eten	
CHP8	Chiclayo	
CHPA	Chiripa	
CHPM	Chiautla de Tapia	
CHQ	Charlesbourg	
CHR	Christchurch	
CHRM	Charleston	
CHRN	Cochrane	
CHRT	Chiangrai	
CHRU	Chernivtsi	
CHRY	Calls Hollow Road	
CHS	Chusal	
CHSA	Colony High School	
CHT	Chittagong	
CHTH	Charan	
CHTJ	Chita	
CHTN	Church Hills	
CHTO	Chiang Mai	
CHU	Chur	
CHUD	Chudeng	
CHUH	Cerro de Hula	
CHUM	Lake Minchumina	
CHUS	Chupsang	
CHV	Chiavari	
CHVC	Chvalec	
CHVG	Ch'k'valeri	
CHVM	Chichinautzin	
CHW	Chowiet Island	
CHX	Chaix Hills	
CHY	Chiayi	
CHZ	Chorzow	
CHZP	Chorzow	
CI-	Clintwood	CI-VA
CIA	Chichaoua	
CIAC	Catalina I. Airport	
CIB	Cedar Butte	
CICH	Cipreses	
CICO	Icod de los Vinos	
CIGN	Sant'Elia a Pianisi	
CIGS	Centro de Investigaciones Geotecnicas	
CII	Carovilli	
CIM	Chimachoy	
CIMO	Cimolais	
CIN	Cine	
CING	Cingoli	
CIO	Camerino	
CIOR	Ciorogarla	
CIP	Cipolletti	
CIPM	Puebla	
CIQ	Chicoutimi	
CIR	Chiredzi	
CIRL	Cave In Rock	
CIRO	Champorcher	
CIRR	Tsirk	
CIS	Catalina Island	
CISC	Cisc	
CISI	Cisompet, Garut	
CIT	Chita	
CIU	Catalina Island	
CI-VA	Clintwood	
CIVM	Cilcuayo	
CIW	Santa Catalina Island West	
CIZ	Chatham Islands	
CJA	Chijiwa	
CJM	Chamela	
CJR	Cluj-Napoca	
CJR1	Cluj-Napoca	
CJV	Casa Juvan	
CJW	Canyon Junction	
CK-	Cache Creek	CK-BC
CKA	Chakrata	
CK-BC	Cache Creek	
CKC	Cook Canyon	
CKE	Keswick	
CKFL	Kef-Lekhel	
CKHR	Kef el Ahmar	
CKHZ	Cape Kidnappers	
CKI	Cairo Montenotte	
CKK	Chekok	
CKL	Chakachamna Lake	
CKLZ	Chkalov	
CKM	Coopers Lake	
CKN	Chakachatna North	
CKO	Chalk River	
CKP	Chanarkot	
CKR	Christmas Creek	
CKT	Bend	
CL-	Challis	CL-ID
CL1	Del Valle	CDVM
CL2	Mines Road	CMNM
CLA	Chala	
CLA1	Claut1	
CLAB	ClautB	
CLAN	Lanzarote	
CLAP	Shields Creek	
CLAR	Clarkstown	
CLAW	Mount Claude	
CLB	Chilbolton	
CLC	China Lake	
CLCB	Lake Chabot	
CLCH	Cerro Calan	
CLCM	Lake Chabot	LKC
CLCV	CALICANTO	
CLD	Caldera	
CLDR	Caldiran	
CLE	Cleveland	
CLEO	Cleveland Museum of Natural History	
CLF	Chambon-Foret	
CLG	Cologne	
CLH	Cheltenham	
CLI	Colonesti	
CLIC	Calipatria	
CL-ID	Challis	
CLIN	Clinton	
CLIR	CLINCENI	
CLJI	Cilicap	
CLK	Chileka	
CLKR	Crowley Lake	
CLL	Collm	
CLLI	Llivia	
CLLN	Colliano	
CLLP	Cerrillos	
CLM	Coleman	
CLMC	Lago Colima	
CLN	Carlsbad	
CLN2	Carlsbad 2	
CLN4	Carlsbad 4	
CLN6	Carlsbad 6	
CLN7	Carlsbad 7	
CLNB	Carlsbad	
CLNS	Chul'man	
CLO	Closani	
CLP	Clara Peak	
CLPO	Centennial Lake Park	
CLR	Collurania	
CLRN	Clyde River	
CLS	Calistoga	
CLSB	Cack Lake	
CLT	Charlottesville	
CLTB	Caltabellotta	
CLTC	Calectric	
CLTR	Calitri	
CLU	Cluj	
CLUD	Cludinico	
CLV	Cleve	
CLVB	Cleveland Dam	

Code	Station Name	Other
CLVN	Colville Lake	
CLW	Colville	
CLWO	Collingwood	
CLX	Calx Mountain	
CLY	Crystal Lake	
CLZ	Clausthal	
CM01	Chiang Mai Array Site 1	
CM02	Chiang Mai Array Site 2	
CM03	Chiang Mai Array Site 3	
CM04	Chiang Mai Array Site 4	
CM05	Chiang Mai Array Site 5	
CM06	Chiang Mai Array Site 6	
CM07	Chiang Mai Array Site 7	
CM08	Chiang Mai Array Site 8	
CM09	Chiang Mai Array Site 9	
CM1	Central Minnesota Array	
CM10	Chiang Mai Array Site 10	
CM11	Chiang Mai Array Site 11	
CM12	Chiang Mai Array Site 12	
CM13	Chiang Mai Array Site 13	
CM14	Chiang Mai Array Site 14	
CM15	Chiang Mai Array Site 15	
CM16	Chiang Mai Array Site 16	CMAR
CM17	Chiang Mai Array Site 17	
CM18	Chiang Mai Array Site 18	
CM2	Central Minnesota Array	
CM3	Central Minnesota Array	
CM31	Chiang Mai Array Site 31	
CM32	Chiang Mai Array Site 32	
CM33	Chiang Mai Array Site 33	
CM34	Chiang Mai Array Site 34	
CM35	Chiang Mai Array Site 35	
CM36	Chiang Mai Array Site 36	
CM4	Central Minnesota Array	
CM5	Central Minnesota Array	
CM6	Central Minnesota Array	
CM6*	Campone	
CMA	Clear Mews	
CMA1	Manaccan	
CMAH	Djebel Manchoura	
CMAR	Chiang Mai Array Beam Reference Point	
CMAS	Mas de Barberans	
CMB	Columbia College	
CMBC	Cumbal	
CMBN	Cumberland Camp Nunavut	
CMBO	Columbo, Santorini Isl.	
CMBY	CAMPBELL BAY	
CMC	Coppermine	
CMCH	Combarbala	
CMCM	Mills College	
CMCO	Colorado Mnmt	
CMCZ	Cairnmuir Mts	
CME	Menerdue Farm	
CMEN	Mentor	
CMER	Merouana	
CMET	NICOSIA -NORTH CYPRUS	
CMF	Cannet Maures	
CMG	La Cumbre	
CMG2	La Cumbre 2	
CMGA	Chestnut Mountain	
CMH	Chemehuevi Mountains	
CMHM	Mt Hamilton Road	MHR
CMI	Centennial Mountain	
CMIG	Matias Romero	
CMJ	Castle Mountains	
CMJI	Cimerak	
CMJM	Mission San Jose	MSJ
CML	Cha da Macela	
CMLA	Cha da Macela	
CMLM	Mount Lewis	
CMMM	Mount Mocho	
CMMT	Chiang Mai	
CMN	Crown Mine	
CMNM	Mines Road	
CMO	College--Fairbanks	
CMOB	Morgan Territory	
CMOM	Morgan Territory	MTC
CMP	Campulung	
CMPA		
CMPB	Campos	
CMPM	Mikes Peak	
CMPO	Campotto Po	
CMPR	Campora	
CMR	Camerino	
CMRM	Mines Road	MNR
CMS	Cobar Meteorology Station	
CMSA	Cobar Meteorology Station	
CMSB	University of California Stadium	
CMT	Clancy	
CMTX	Cooper Mountain	
CMU	Cedar Mountain	
CMW	Cultus Mountains	
CMWZ	Cape Campbell	
CMX	Colima	COLM
CMZ	Cashmere	
CN-	Cornell	CN-WS
CN2	Changchun	
CNA	Cantwell	
CNB	Canberra Magnetic Observatory	
CNBA	Chernabura Island	
CNC	Concord--Diablo Valley College	
CNCB	Chanca	
CNCH	Conchagua	
CNCI	Crows Nest Canyon	
CNCM	Norris Canyon Road	
CNCO	Chanco	
CNCR	Cernica	
CNCS	Concesio	
CND	Currant	
CNE	Childress 2	
CNF	Cerre-les-Noroy	
CNG	Changalane	
CNGN	Cerro Negro	
CNGZ	Carnagh Station	
CNH	Changchun	
CNI	Changuinola	
CNIC	Niles Canyon	
CNIL	Conil	
CNJ	Catfish Pond	
CNJI	Cibinong	
CNK	Concordia	
CNL	Connel	
CNLB	Canela	
CNM	Chama	
CNN	Cincinnati	
CNNC	Cliffs of the Neuse	
CNO	Childress 3	
CNP	Catarman	
CNPM	China Poot	
CNQ	Baie Comeau	
CNR	Chonco	
CNS	Constantine	
CNS1	Cairns-h seis/acc	
CNS2	Cairns-h acc only	
CNT	Guangzhou	GZH
CNTC	Contact Creek	
CNTO	Contao	
CNU	Chengdu	CDU
CNV	Corbin	CBN
CNW	Childress 4	
CN-WS	Cornell	
CNY	City College NY	
CNZ	Chateau	
CO-	Colome	CO-SD
CO2	Coxcomb Mountains 2	
COA	Coachella	
COAL	Corum-Alaca	
COAS	Coatepeque	
COAV	Cumanacoa	
COB	Cobb River	
COB3		
COBQ	Cobquecura	
COBS	Casablanca	
COBT	Iskenderun	
COC	Colombo	
COCH	Cobquecura	
COCO	West Island	
COCR	Colorado	
COD	South Dennis	
CODE	Correggio	
CODG	Codroy Newfoundland	
CODM	Codolo	
COE	Coe Ranch	
COEN	Coen	
COFN	Cofrada	
COH	Cochiti	
COI	Coimbra	
COJ	Choshi	
COK	Cook Ranch	
COKM	Charter Oak	
COKN	Cook Lake	
COL	College Outpost	
COLA	College	
COLC	Colonia	
COLD	Coldfoot	
COLF	Collangettes	
COLI	Coloredo	
COLM	Colima	
COLN	Colon	
COLR	Columbus	
COLT	Colton High School	
COLW	Colter Canyon	
COM	Comitan	
COM2	Comitan 2	
COMI	Craters of Moon	
CON	Concepcion	
CONA	Conrad Observatory	
CONC	Concepcion	
CONE	Cono NE Rev Volc	
CONN	Concepcion	
CONS	Constitucion	
CONY	Cobleskill	
COO	Cooney Tunnel	
COOC	Compton	
COOL	Coolgardie	
COP	Copenhagen	
COPE	Corleto Perticara	
COPM	Copeton	
COPN	Copaltepe	
COQ	Corona Quarry	
COQB	Coquitlam Dam	
COR	Corvallis	
COR2	Caldas Novas	
CORF	Corte	
CORG	Organya	
CORI	Orista	
CORK	Cork	
CORL	Corleone	
CORM	Corum	
CORN	Cornellia Hill	
CORO	Coronation Park	
CORR	San Possidonio	
COS	Cosiguina	
CO-SD	Colome	
COSM	Mount Oso	
COSP	Cold Spring	
COT	Chocolate Mountains	
COTA	Cotacachi	
COTN	Columbia	
COTR	Cottonwood	
COV	Colchester	
COV1	Cotopaxi Volc	
COVZ	Chateau Observatory	
COW	Cow Castle Creek	
COWI	Conover	
COWN	Contwyoto Lake 2	
COWO	College of Wooster	
COY	Coyote Mountain	
COYC	Coyhaique	
COZ	Cozia	
CP-	Campo	CP-CL
CP2	Crater Peak Two	
CPA	Chapri	
CPAL	Palau Saverdera	
CPAM	Crater Peak Alternate	
CPB	Codrington	
CPBX	Cerro Prieto	
CPC	Cherry Point	
CPCH	Copiapo	
CP-CL	Campo	
CPCT	Cooper Cave	
CPD	Cerro la Pandura	
CPDB	Cerro Pandura	
CPE	Camp Elliot	
CPH	Captain Cook	
CPI	Crown Point	
CPI2	Carpinone	
CPIM	Pinole Ridge	
CPK	Cone Peak	
CPKM	Crater Peak Rim	
CPL	Chaplin	
CPLB	Carmanah Point	
	Lighthouse	
CPLM	Palomares Road	
CPM	Copper Mountain	
CPMM	Point Molate	
CPN	CP-17	
CPN1	Cerro Paranal	
CPNM	Pleasanton	
CPNY	Central Park	
CPO	Cumberland Plateau	
CPO5	Cumberland Plat.	CPOT
CPOT	Cumberland Plateau	
CPP	Copiapo	
CPPC	Cal Poly Pomona	
CPR	Cape Romanzof	
CPRX	Cap Rock	
CPS	Cap Spartel	
CPSB	Cacapava Do Sul	
CP-SO	Cumberland Plateau Observatory	
CPT	Camp Pendleton	
CPTM	Cactus Peak West	
CPU	Coon Peak	
CPUP	Villa Florida	
CPW	Capitol Peak	
CPWZ	Castlepoint	
CPX	CP-1	
CPXM	Mount Cotopaxi	
CPY	CP-1	
CPZ	Penzance	
CQ-NV	Caliente	
CR-	Crete	CR-NB
CR1	Chicoasen 1	
CR2	Chicoasen 2	
CR2G		
CR2NB	Crete	
CR3	Chicoasen 3	
CR4	Chicoasen 4	
CR5	Chicoasen 5	
CR6	Chicoasen 6	
CR7	Chicoasen 7	
CRA	Chernovtsy	
CRAC	Craco	
CRAG	Craig	
CRAJ	Montana Rajada	
CRAM	San Ramon	
CRAR	CRAIOVA	
CRB	Chernovtsy (B)	
CRBI	Circular Butte	
CRC	Castle Rock	
CRCH	Chaqaral	
CRD	Cavedale Road	
CRDM	Cardoso	
CRE	Caprese Michel	
CREF	Crivoux	
CRES	C@19res@19njevec Ostr	
CRF	Corfu	
CRG	Carmichael	
CRGC	Crocker Grade	
CRH	Carson Hill	
CRHM	Round Hill Res.	
CRI	Mount Carmel	
CRID	Crittenden County--Downhole	
CRIN	San Cristobal	
CRIS	Crittenden County--Surface	
CRJA	Costa Raja	
CRL	Carloforte	
CRLO	Chalk River	
CRLT	Corlu	
CRLZ	Canterbury Laser	
CRM	Caravelle	
CRMI	Carmignano	
CRMT	Chrome Mountain	
CRN	Corinaldo	
CR-NB	Crete	
CRNC	Corona	
CRNM	Carthage	
CRNS	Crni Vrh	
CRNY	Cross River	
CRO	Carnasaw Mountain Lookout Tower	
CROG	Croghan	
CROR	Criterion Ridge	
CRP	Crater Peak	
CRPB	Russellman Park	
CRPC	Caltech Rob'n Pit	
CRPM	Russellman Park	
CRPR	Cabo Rojo, PR	
CRQ	Rosemanowes	
CRQ2	Rosemanowes 2	
CRQB	Carquinez Bridge	
CRQM	Cirque	
CRR	Carrizo Plain	
CRS	Chara	
CRT	Cartuja	
CRTN	Comb Ridge	
CRU	Crutchfield	
CRUC	La Cruz	
CRUN	El Crucero	
CRUV	Carupano	
CRV	Caraveli	
CRVI	Carovilli	
CRVS	Cervenica-Dubnik	
CRWM	Crown Mines	
CRX	Cerrillo	
CRY	Cary Ranch	
CRZ	Cape Reinga	
CRZC	La Cruz	
CRZF	Crozet Islands	
CS-	Crossville	CS-TN
CS6B	Jaguaretama	
CSA	Cape Sarichef	
CSA1	St Austell	
CSAM	Sandia	
CSAN		
CSB	Colonia Sabana	
CSC	Columbia	SVC
CSCL	Casacalenda	
CSCM	Silver Creek	SVC
CSCO	Clark State Community College	
CSD	Chor-Sady	
CSE	Childress 5	
CSEN	Crystal Springs Elementary School	
CSF	Scaffel	
CSG	Childs Glacier	
CSH	California State, Hayward	
CSHM	Cal. St., Hayward	CSH
CSI	Cassano Ionio	
CSIL	Creal Springs	
CSJ	Cape San Juan	
CSKK	Cs ‡kako	
CSL	Crestline	
CSLB	Castelbuono	
CSLM	San Leandro Hills	
CSM	Casamicciola	
CSMI	Casera Mimoias	
CSN	Chicoasen	
CSNA	Conrad Observatory	
CSNT	Castellina Chianti	
CSO	Casso	
CSOR	Sort	
CSP	Cedar Springs	
CSPM	San Pablo Ridge	
CSPT	Cold Springs	
CSR	Chase Ranch	
CSRY	Cold Spring River	
CSS	Prodhromos	
CSSM	Coso Springs South	
CSSN	Cassano Irpino	
CST	Castrovirreyna	
CST1	Stithians	
CSTJ	Casr Tuba	
CSTL	Corral Hollow	
CS-TN	Crossville	
CSU	Charleston Southern University	
CSU1	Sunol Dilatometer	
CSV	Casigua	
CSVM	Stone Valley	
CSW	Childress 6	
CSY	Casey Station	
CSZ	Casera Razzo	
CT-	Clayton	CT-OK
CTA	Charters Towers	
CTAM	Taylor	
CTAO	Charters Towers	CTA
CTAS	Cauta	
CTB	Cotabato	
CTBH	Cotabato--PC Hill	
CTBM	Cataract Bedrock	
CTBN	Caleta Bueno	
CTC	Chetwynd	
CTCC	Cactus City	
CTCH	Constitucion	
CTCR	Cotoan	
CTD	Catalina Dam	
CTDM	Cataract Dam	
CTEI	Djebel Teioualt	
CTFE	Tenerife	
CTFL	Taylor Farm	
CTGM	Chitina Glacier	
CTHA	Thorn Acres	
CTHM	Terry Harris R'ch	
CTI	Castel Tesino	
CTIG	El Hierro	
CTJI	Waduk Cacaban	
CTK	Catak	
CTKS	Kestanelik-??atalca	
CTKT	Corum	
CTL8	Castelleone	
CTLM	Tesla Road	
CTLN	Castor Lake	
CTM	Castle Mountain	
CTN	Crete	
CTNY	Carthage	
CTO	Cape Town	
CT-OK	Clayton	
CTOM	Thompson	
CTP	Catapilco	
CTR	Castle Rock	
CTRE	Tremp	
CTRO	CASTRO	
CTS	Cactus Peak	
CTT	Catalca	
CTTX	Catalca	
CTU	Camp Tracy	
CTV	Charlottesville	
CTVN	Chua Tram	
CTW	Cottonwood Mountains	
CTYL	Yal??k??y-??atalca	
CTZ	Chatham Island	
CU-	Currant	CU-NV
CUALT	Altinyayla-SIVAS	
CUC	Castrocucco	
CUD	Cuddapah	
CUET	Cent US Eq Cons	
CUG	Cuglieri	
CUGUR	Gurin_S¯VAS	
CUI	Cuipilapa	
CUKAN	kangal_SIVAS	
CUKT	Cukurca	
CUL	Culiacan	
CULB	Culebra	
CUM	Cumana	
CUMB	Cumbre	
CUMC	Nevado Cumbal	
CUN	Columbus	
CUNA	Curaglia	
CU-NV	Currant	
CUNY	Queens College	
CUP	Culebra	
CUPA	Cupa	
CUPM	Cuyoaco	
CUPV	Cu@15pira	
CUR	Chagan-Uzun	
CURA	Stauanlage Cunera	
CURV	Curarigua	
CUS	Cuzco	
CUSAR	Sarkisla-SIVAS	
CUSI	Cussignacco Udine	
CUSS	Cusmapa	
CUSU	Cusua	
CUT	Chulitna	
CUV	La Culata	
CUYO	Cuyo Island	
CUZAR	Zara_SIVAS	
CV-	Centerville	CV-TN
CV6*	Capo Vaticano	
CVA	Cordova	
CVAL	Veterans Administration Hospital	
CVC	Cholame Valley	
CVD	Cernavoda	
CVD1	Cernavoda-Power Plant	
CVDA	Cernavoda	
CVE	Cedar Cove	
CVF	Calvi	
CVH	Cedar City	
CVI	Capo Vaticano	

Code	*Station Name*	*Other*
CVJ	Coleyville	
CVL	Charlottesville	
CVLM	Vallecito	
CVLQ	Collinsville	
CVM	Colonia del Valle	
CVN	Calvinia	
CVNA	Calvinia	
CVO	Covasna	
CVP	Callao Caves	
CVPM	Vollmer Peak	
CVR	Calaveras Reservoir	
CVS	Carmenet Vineyard	
CVT	Castelvetrano	
CVTN	Covington	
CV-TN	Centerville	
CVV	Charlottesville	CVL
CVVA	Charlottesville	
CVVD	Valverde	
CW-	Conway	CW-AR
CW-AR	Conway	
CWB	Cumshewa	
CWC	Cottonwood Creek	
CWCR	Coldwater Canyon	
CWF	Charnwood Forest	
CWPT	Cottonwood Point	
CWT	Childress 7	
CWU	Camp Williams	
CWZ	Cowlitz River	
CX-	Craigsville	CX-WV
CXM	Morne La Croix	
CXP	Puebla	
CX-WV	Craigsville	
CY-	Cheyenne	CY-WY
CYA	Choya	
CYBM	Yerba Buena Island	
CYC	Crow Canyon Road	
CYD1	Coyote D'meter	
CYEH	Changyeh	
CYH	Coyote Hills	
CYK	Cape Yakataga	
CYN	Coyotepe	
CYP	Chylin	
CYT	Cape Yakataga	
CY-WY	Cheyenne	
CYZ	Clyde	
CZ-	Cody	CZ-NB
CZC	Chiapa de Corzo	
CZD	Col de Zad	
CZI	Monte Cocuzzo	
CZL	Cerro Azul	
CZM	Crazy Man Mountain	
CZ-NB	Cody	
CZT	Chizu	
D03A	Wishkah Elem. School, Wishkah	
D04A	Dobbs Creek Ranch, Lacey	
D05A	Enumclaw	
D06A	Cle Elum	
D07A	Quincy	
D08A	Wollman Farm, Schrag	
D09A	Jones Farm, Ritzville	
D10A	Wagner Farm, Oakesdale	
D11A	Klaveano Farm, Fernwood	
D12A	Red Ives Forest Station, Avery	
D13A	Huson	
D14A	Greenough	
D15A	Lincoln	
D16A	Dana Ranch, Cascade	
D17A	Six Diamond Ranch, Ranyesford	
D18A	Linhart Farms, Moccasin	
D19A	Cripps Ranch, Grass Range	
D1A	Dickey	
D20A	Manuel Ranch, Winnett	
D21A	La Casta Ranch, Jordon	
D22A	Cohagen	
D23A	Lindsay	
D24A	Glendive	
D25A	Fairfield	
D26A	Manning	
D27A	Center	
D28A	Regan	
D29A	Pettibone, Tappen	
D2A	Dickey	
D30A	Buchanan	
D3A	Dickey	
D4A	Dickey	
D5A	Dickey	
D6A	Dickey	
DABA	Dabaa	
DABV	Dabajuro	
DAC	Darwin (Calif)	
DAD	Ankara	
DAF	Dafare	
DAG	Danmarks Havn	
DAGI	Agillar	
DAH	Dandelion	
DAI	Luda	
DAIL	Da Vinci Academy	
DAK	Dakar	
DAKH	Dake	
DAL	Dallas	
DALG	Dalton	
DALK	Dalny	
DALT	Dalyan (Mudla)	
DALY	Dalyan (Mu¨la)	
DAM	Dampier	
DAMV	Damavand	
DAMY	Dhamar	
DAN	Dane	
DANC	Danby, Needles	
DANN	Dangsing	
DANY	Dannemora	
DAP	Davao	
DAQ	Lac Daran	
DAR	Darwin	
DARB		
DARE	Darende-Malatya	
DAT	Datca	
DAU	Daniels Canyon	
DAV	Davao City (W)	
DAVA	Damuels	
DAVON	Davos	
DAVOS	Davos	
DAVOX	Davos/Dischmatal	
DAW	Hoskins	
DAWS	Dawson Inlet	
DAWY	Dawson	
DAY	Day	
DB2	Double Butte	
DBAD	Bademkaya	
DBAS	Duba	
DBC	Dubki	
DBCT	Belle View Chopil	
DBD	Des Bee Dove	
DBI	Debin	
DBIC	Dimbokro	
DBJI	Dramaga	
DBM	Double Mountain	
DBMY	Dunderburg Mountain	
DBN	De Bilt	
DBND	Deoband	
DBNI	Kabupaten Dompu	
DBO	Dodson Butte	
DBOC	Borcka	
DBOG	Casa Diablo	
DBP	Darband	
DBQ	Dubuque	
DBR	Dubrovnik	
DBV	Dienbien	
DBY	Dobrovo	
DCA1	Bonanza	
DCA2	Baytree	
DCA3	Cotillion Park	
DCC	Delcommune	
DCD	Diablo Creek	
DCI	Dry Creek	
DCID1	Drake Creek	
DCM	Dugout Coal Mine	
DCN	Croghan	
DCO	Combe Farm	
DCP	Dickinson College	
DCPH	Dipolog City	
DCT	Ducktown	
DCU	Deer Creek Reservoir	
DCZ	Deep Cove	
DDBM	Dartmouth Bedrock	
DDCM	Dartmouth Crest	
DDEM	Demirkent	
DDI	Dehra Dun	
DDK	Dunsink Observatory	
DDM	Donnelly Dome	
DDN	Dodoni	
DDR	Dodaira	
DDS	Dosso del Sommo	
DEB	Debrecen	
DEC	Deception Island	
DECC	Green Verdugo site,Sunland	
DEG	La Desirade	
DEI	Dent	
DEIG	Demacu	
DEK	Dekalb	
DEL	Delary	
DEL1	Delary	
DELO	Deloro Mine	
DELX	Delta	
DEMA	Delaware Emergency Management Agency	
DEMI	Demirci	
DEN	Denver	
DENJ	Denville	
DENT	Denizli	
DEPR	Deputatskiy	
DER	Derby	
DERT	Derbent	
DES	Desert	
DESE	Dese	
DESF	Desfina	
DEV	Deva	
DEVC	Devers	
DFBT	Forest Bistro	
DFE	Dawson Falls	
DFR	Drift River	
DFRA	Djebel Bou Affroun	
DGAR	Diego Garcia	
DGBT	Grand Bay	
DGC	Durango	
DGI	Dorgali Grotta	
DGMT	Dagmar	
DGN	Dgnorisa	
DGP	Dabrowa Gornicza	
DGPR	DIGLIPUR	
DGR	Domenigoni Valley Reservoir	
DGRG	David-gareji	
DGT	Duragan	
DGZ	Jazzator, Altay Republic, Russia	
DH-	Delhi	DH-NY
DHA	Dutch Harbor	
DHAK	Deception Hills	
DHB	Downhole Baldwin Hills	
DHBB	Dhama@18r BB	
DHD	Dharwar	
DHDN	Dehradun	
DHH	Diamond Head	
DHJN	Dharan Janob	
DHLJ	Dahal	
DHLQ	Lac-des-Plages	
DHMR	Dhamar	
DHN	Doyle Hill	
DH-NY	Delhi	
DHR	Dhahran	
DHRM	DHARAMSHALA	
DHRN	Dharma Camp	
DHS	Desert Hot Springs	
DHV	Doan Hung	
DHW	Dyer Hill	
DHW2	Dyer Hill 2	
DHY	Denali Highway	
DI-	Dillon	DI-MA
DIAC	La Diana	
DIB	Dawson Inlet, BC	
DIC		
DID	Didima	
DIDY	Didyma	
DIGO	Kars	
DIGR	Digorskoe uzhel'e	
DIKM	Dikmen	
DIL	Dillon Ranch	
DILR	Dilar	
DIM	Dimitrovgrad	
DI-MA	Dillon	
DIMI	Dimona	
DIP	Dipolog	
DIR	Diamond Ranch	
DIV	Divide	
DIVS	Divibare	
DIW	D'Urville Island	
DIX	Grande Dixence	
DIXR	Dixie Hot Springs	
DIY	Diyarbakir	
DIYA	Diyarbakir	
DJA	Jakarta	
DJE	Delta Junction E	
DJES	Djerdap	
DJJ	Donna J Jenkins	
DJNS	Zahran al Janub	
DKD	Dar Kodiat	
DKH	Dar Kharkhour	
DKL	Dikili	
DKM	Kilmashogue	
DKNM	Devils Kitchen North	
DKP	Demirkopru	
DL-	Dell Rapids	DL-SD
DL2	Dalian	
DLA	Delaware (Ont)	
DLAC	Del Amo	
DLAR	Dell	
DLB	Dease Lake	
DLBC	Dease Lake	
DLBQ	Dalbeg	
DLC	Deerlick Creek	
DLE	Lyons Estate	
DLF	Lyons Farm	
DLG	Dolgoi Island	
DLH	Dalhousie	
DLI	Dili	
DLL	Dillingham	
DLM	Delamar Mountains	
DLMR	Dylym	
DLMT	Dillon	
DLN	Dalton (NSW)	
DLPL	La Plaine	
DLS	Dallas	
DL-SD	Dell Rapids	
DLT	Dalton	
DLV	T a@11 Lat	
DLVO	T a@11 Lat	
DLVT	Layou Valley	
DLY	Dezadeash Lake	
DMA	Devil Mountain	
DMB	Deadman Bay	
DMCQ	Dolbeau-Mistassini	
DMD	Domodossola	
DMI	Des Moines	
DMK	Demirkoy	
DMMT	Dalton Mountain	
DMN	Daman	
DMNS	Dmanisi	
DMP	Diadem	
DMPH	Davao City--Mintal	
DMPK	Deadman Peak	
DMS	Dublin Merrion Square	
DMT	Demirtas	
DMU	Kingscourt	
DMUB	Kingscourt	
DMV	Demmitville	
DMW	Delta Microwave	
DND	Dunedin-Penfold	
DNG	Daru	
DNGQ	Doongara	
DNH	Durham (NH)	
DNM	Dulce	
DNN	Dannevirke	
DNP	Denpasar	
DNR	Dunn Ranch,Anza	
DNS	Denniston	
DNT	Denton	
DNY	Dersam	
DNZ	Dunedin	
DNZL	Cakiroluk	
DOB	Doboj	
DOBS	Dobrina	
DOC	Dochia	
DOCK	Docker River	
DOD	Dodoma	
DOETR	Doetra (Olivone)	
DOG	Dongo Capesterre	
DOI	San Damiano	
DOL	Dolgoi Island	
DOM	Dominica	
DOMB	Dombas	
DOMF	Dompierre	
DOMO	Domo	
DOMR	Dombai	
DON	Dongola	
DONR	Donner Summit	
DOO	Doolan Road	
DOPR	Dopca	
DOR	Dorot	
DOS	Dos Bocas Dam	
DOT	Dot Lake	
DOU	Dourbes	
DOWB	Downie Slide	
DOY	Duke of York Island	
DP-	Deposit	DP-NY
DP1	Deserto P. S.	DPS
DPC	Dobruska-Polom	
DPD	Davis Peak	
DPH	Darwin Parliament House	
DPI	Dunn Peak	
DPLY	Delli Paoli	
DPM	Delmo Park	
DPMT	Pointe Michel	
DP-NY	Deposit	
DPP	Dos Picos Cty Pk	
DPQ	Saint Jean	
DPRB	Downie Pk Ridge	
DPS	Deserto Penisola Sorrentina	
DPW	Davenport	
DQRL	Deir Qamar	
DR-	Durango	DR-CO
DR01	Juana Nunez	
DR02	San Jose de las Matas	
DR03	Pinalito	
DR04	Monte Llano	
DR05	La Lomota	
DR06	La Diferencia	
DR07	Jarabacoa	
DR08	Loma La Naviza	
DR09	Piedra Blanca	
DR1	Juana Nunez	DR01
DR10	Alto Bandera	
DR11	La Yayitas	
DR12	Loma Pena Alta	
DR13	Sanchez	
DR14	Sierra Prieta	
DR15	Siete Picos	
DR3	Pinalito	DR03
DR4	Monte Llano	DR04
DR5	La Lomota	DR05
DR6	La Diferencia	DR06
DR8	Loma La Naviza	DR08
DRA	Dragasani	
DRAM	Dora Dora	
DRB	Dursunbey	
DRBT	Darb Altahta	
DRC	Dorchester	
DR-CO	Durango	
DRD	Roodepoort, Johannesburg	
DRE	Drenchia	
DREC	Desert Rsrch Ctr	
DREG	Dreilaegerbach Talsperre	
DREO	Darlington East Ontario	
DREZ	Durham Road	
DRGI	Dragot	
DRGR		
DRHJ	Al-Direh	
DRIA	Deer Island	
DRLN	Deer Lake	
DRME	Dracevica, Montenegro	
DRN	Derbent	
DRO	Drossia	
DROM	Dromana	
DRP	Derazinda	
DRR	Dragan	
DRRA	Deer Island	
DRS	Darwin Rock Store	
DRT	Dartmouth	
DRTN	Dyersburg	
DRTT	Dortyol	
DRUM	Mains of Drumtochty	
DRV	Dumont d'Urville	
DRWC	Darouich	
DRWO	Darlington West Ontario	
DRZ	Dome Shelter	
DSB	Dublin	
DSB1	Difesa San Luca	
DSC	Scotts Head	
DSCC	Desert Studies Ctr	
DSCH	Colegio Aleman	
DSD2	Dead Sea Dam 2	
DSF	Desfina	
DSG	Desaguadero	
DSH	Dushanbe	
DSHT	Scott's Head	
DSI	Dead Sea	
DSK	Disk Island	
DSL	Palaion Diasellon	
DSM	Dog Skin Mountain	
DSMN	Discovery Mine	
DSN	Dusing	
DSNO	Creighton Mine,Sudbury	
DSP	Deep Springs	
DSPA	Despedida	
DSRI	Dabo	
DST	Dursunbey	
DSTT	Stowe	
DSV	Doi Son	
DSVT	Soufriere Village	
DSZ	Denniston North	
DT1	Dutton Round Hill	
DTEM	Dunmovintown East	
DTIR	Bucuresti-Nicolae Titulescu	
DTM	Carnegie Institution of Washington	
DTMM	Dartmouth Digital	
DTMT	Tete Morne	
DTN	Dwight	
DTNA	Dutton South Flank	
DTP	Desert Tortoise Park	
DU-	Durant	DU-OK
DUB	Rathfarnham	
DUC	Duarte Ranch	
DUG	Dugway	
DUI	Duronia	
DUL	Duluth	
DUN	Dundo	
DUNU	Dundret	
DUOK	Dugi Otok	
DU-OK	Durant	
DUP	Duppenweiler	
DUR	Durham	
DURS	Dursunbey	
DUS	Dusheti	
DUSS	Damascus University	
DUT	Dutch Harbor	
DUWZ	D'Urville Island	
DUX	Duxbury	
DV-	Death Valley	DV-CL
DVBM	Devilbend	
DV-CL	Death Valley	
DVCT	Vielle Casse Police Station	
DVD	David	
DVDT	Valley Desolation	
DVG	Divnogorsk	
DVHZ	Dannevirke	
DVI	Derveni	
DVKN	Diavik Mine	
DVL	Devil Canyon	
DVO	Downsview	
DVP	Devils Point	
DVR	Devrek	
DVT	Derby	
DVTC	Desert V Tower	
DVW	Davenport	
DWDM	Dogwood	
DWK		
DWM	Dogwood	
DWP	Davao Weather Station	
DWPF	Disney	
DWR	Dweir	
DWS	Wesley	
DWU	Dry Willow Peak	
DWY	Dawson City	
DXB	Duxbury	
DY-	Dry Ridge	DY-KY
DY1	Dyersburg	
DY2	Lassiter	
DY3	Tiptonville	
DY4	Samburg	
DY5	Near Lassiter	

Code	Station Name	Other
DYA	Yadsworthy	
DYBB	Diyarbakir	
DYDN	Diyadin	
DY-KY	Dry Ridge	
DYR	Agios Nikonas	
DYTN	Dayton	
DZA	Taraz	
DZB	Cabrayil	
DZD	Dalandzadgad	
DZE	Dzherino	
DZET	Dzherino	
DZH	Dzhafr	
DZI	Dzhizak	
DZM	Mont Dzumac	
DZN	Dzhankel'dy	
DZR	Jermuk	
DZT	Dzhirgatal'	
E001	Sierra del Retn, Cadiz	
E002	Puerto del Bujeo, Cadiz	
E005	Casares, Malaga	
E006	Caete la Real, Malaga	
E007	Orjiva, Granada	
E008	San Bartolome de la Torre, Huelva	
E009	Beas, Huelva	
E010	Palacio de Doana, Huelva	
E011	Adriano, Sevilla	
E012	Marchena, Sevilla	
E013	Torcal de Antequera, Malaga	
E015	Alquife, Granada	
E016	Rosal de la Frontera, Huelva	
E017	Aznalcollar, Sevilla	
E018	Embalse de El Pintado, Sevilla	
E019	El Pedroso, Sevilla	
E020	Santaella, Cordoba	
E021	Villaviciosa de Cordoba, Cordoba	
E022	Bujalance, Cordoba	
E024	Martos, Jaen	
E025	Huelma, Jaen	
E026	Sierra de Lcar, Granada	
E028	Jerez de los Caballeros, Badajoz	
E029	Usagre, Badajoz	
E030	Peraleda del Zaucejo, Badajoz	
E031	Las Morras, Villanueva del Duque, Cordoba	
E032	Castillo de Giribaile, Vilches, Jaen	
E033	Ojanco, Jaen	
E034	Letur, Albacete	
E035	Torrevieja, Alicante	
E03A	Lebam	
E04A	Onalaska	
E05A	Randle	
E06A	Yakima	
E07A	Sunnyside	
E07B	Bay Bridge East Pier 7	
E08A	Dider Farm, Eltopia	
E09A	Wood Farm, Starbuck	
E10A	Myers Farm, Uniontown	
E11A	Bogner Ranch, Nez Perce	
E12A	Beaver Dam Saddle, Pierce	
E13A	Victor	
E14A	Clinton	
E15A	Deer Lodge	
E16A	East Helena	
E17A	Martinsdale	
E17B	Bay Bridge East Pier 17	
E18A	Harlowton	
E19A	Rath Farm, Roundup	
E20A	Meyer Farm, Musselshell	
E21A	Keefer Ranch, Vananda	
E22A	Miles City	
E23A	Ismay	
E24A	Baker	
E25A	Miller Ranch, Amidon	
E26A	Carlson Angus Ranch, Regent	
E27A	Carson	
E28A	Huff	
E29A	Napoleon	
E30A	Jud	
E932	Embalse del Gaudalen, Jaen	
EAB	Aberfoyle	
EACI	Aci Sant'Antonio	
EADA	Adamuz	
EADB	Eade Ranch	
EAFB	Elmendorf Base	
EAG	Eagle Mountain	
EAGO	Agolada(Pontevedra)	
EAK	Akyaka	
EALB	Alboran	
EALH	Alhama de Murcia	
EALK	Alkurruntz	
EAM	Ear Mountain	
EAN	East Aurora	
EANR	'Ain N'Sour	
EARA	Aranguren	
EARC	Monte Arcimis	
EARI	Arriondas	
EARN	East Ridge Elementary School	
EAST	Anshuo	
EASTN	East End Reserv.	
EATA	Eleskirt	
EAU	Auchinoon	
EAV	Pico El Aguila	
EAZ	Earnscleugh	
EB-	East Braintree	EB-MT
EBAD	Badajoz	
EBAJ	Bajamar	
EBAN	Banos Encina	
EBCN	Bocca Nuova	
EBEL	Etna Belvedere	
EBEN	Beniarda	
EBER	Berja	
EBG	Ellensburg	
EBH	Black Hill	
EBHM	Djebel Bou Ahmed	
EBI	Elk Butte	
EBIE	Bielsa	
EBL	Broad Law	
EBM	Esen Bulak	
EB-MT	East Braintree	
EBN	Edmundston	
EBNR	Beni Rached	
EBOM	Djebel Bou Maad	
EBP	Ebbets Pass	
EBR	Ebro Roquetas	
EBRE	Ebro Roquetas	
EBS	Eagle Butte	
EBYL	Djebel Bou Yalou	
EBZ	Ebenezer Church	
ECA	El Cajon	
ECAB	El Cabril	
ECAL	Calabor	
ECALA		
ECAN	Masseria Cannata	
ECAT	Cat-ERZURUM	
ECB	Carrickbyrne Hill	
ECBD	Case Bada	
ECBX	El Chinero	
ECC	El Centro	
ECCO	Edison CC	
ECCS	Contrada Cassone	
ECD	Elk Chute Ditch	
ECDV	Codavolpe	
ECEN	Cerro Negro	
ECEU	Ceuta	
ECF	Echo Falls	
ECG	Echelle	
ECH	Echery	
ECHA	Ech Chlef	
ECHE	Chera	
ECHF	Ech Chlef	
ECHI	Chisagues Bielsa	
ECHR	Santa Chiara	
ECIS	Cisternazza	
ECK	Cauldkaine Hill	
ECL	Taimali	
ECM	Ellicott City	
ECML	Castelmola	
ECNE	Crateri Nord Est	
ECNV	Catenanuova	
ECNX	Esteban Cantu	
ECO	Colon	
ECO2	Colon	
ECOG	Cogollos-Vega	
ECOPE	Copete-Rev Volc	
ECP	Carnsore Point	
ECPN	Case del Piano	
ECR	Eagle Creek	
ECRI	Cripan	
ECSD	EROS Data Center, Sioux Falls	
ECT	Ellsworth	
ECTS	Castiglione	
ECVS	Case del Vescovo	
ECX	Ensenada	
ECZ	East Cape	
ECZM	Case Zampini	
ED-	Edgewood	ED-MI
EDB	Eliza Dome	
EDC	Edincik	
EDC*	EscuelaIngenieria	
EDEN	Eden	
EDFI	Ende, Flores	
EDI	Edinburgh	
EDIL	So. Illinois U.	
EDIT	Edith	
EDK	El Dorado	
EDM	Edmonton	
EDMA	Eldorado	
ED-MI	Edgewood	
EDMN	Edmundston, New Brunswick	
EDO	Endilloe	
EDR	Drumtochty	
EDRB	Edirne	
EDRZ	Edgecumbe	
EDT	Edincik	EDC
EDU	Dundee	
EDW	Edwards Air Force Base,Rosamund	
EDW2	Edwards Air Force Base,Rosamund	
EDY	Kabakon Island	
EEO	Eldee	
EF-	Eagle Flat	EF-TX
EFAM	Famara	
EFI	East Falkland Island	
EFIU	Fiumefreddo	
EFO	Effingham	
EFOR	EFORIE	
EFP	Efpalio	
EFR	Efringen	
EF-TX	Eagle Flat	
EGA	Jian Township	
EGAK	Eagle	
EGC	Eagle	
EGD	Espegrend	
EGFM	Gr delle femmine	
EGI	Egilsstadhir	
EGL	Gala Law	
EGL1	Gala Law	
EGM	El Golfo de Santa Clara	
EGMT	Eagleton	
EGN	Eagle's Nest	
EGOM	La Gomera	
EGOR	Sierra Gorda, Loja, Granada	
EGR	Empire Grade Road	
EGRA	Graus	
EGRN	Evergreen College	
EGRO	El Granado	
EGS		
EGSI	Enggano, Bengkulu	
EGUA	Guajares	
EGVZ	Egvard	
EGX	Santa Clara	
EHC	Hejung	
EHIG	Higuera	
EHN	Echo Peak	
EHOR	Hornachuelos	
EHP	Heping Village	
EHRO	Hierro	
EHUE	Huescar	
EHV	El Hato	
EHY	Hungye	
EIBI	Ibiza	
EIC	Easter Island	
EIDS	Eidsvold	
EIL	Elat	
EINC	Incio	
EJC	Estacion Juarez	
EJIF	Jimena Frontera	
EJIM	Jimena Frontera	
EJON	La Jonquera	
EK-	Eureka (L)	EK-NV
EKA	Eskdalemuir Array	
EKAR	Karacoban	
EKB	Eskdalemuir	
EKB1	Eskdalemuir Array Site B1	
EKB10	Eskdalemuir Array Site B10	
EKB2	Eskdalemuir Array Site B2	
EKB3	Eskdalemuir Array Site B3	
EKB4	Eskdalemuir Array Site B4	
EKB5	Eskdalemuir Array Site B5	
EKB6	Eskdalemuir Array Site B6	
EKB7	Eskdalemuir Array Site B7	
EKB8	Eskdalemuir Array Site B8	
EKB9	Eskdalemuir Array Site B9	
EKC	Ekona	
EKG	Eskdalemuir	EKB
EKH	Elkhorn Ranch	
EKMR	Ekimchan	
EKN	Konogogo	
EK-NV	Eureka	
EKO	Elko	
EKR	Elk River	
EKR1	Eskdalemuir Array Site R1	
EKR10	Eskdalemuir Array Site R10	
EKR2	Eskdalemuir Array Site R2	
EKR3	Eskdalemuir Array Site R3	
EKR4	Eskdalemuir Array Site R4	
EKR5	Eskdalemuir Array Site R5	
EKR6	Eskdalemuir Array Site R6	
EKR7	Eskdalemuir Array Site R7	
EKR8	Eskdalemuir Array Site R8	
EKR9	Eskdalemuir Array Site R9	
EKS	Erkin-Say	
EKS2	Erkin-Say	
EKSU	Eksjoe	
EKTN	Ekati Mine	
EKU	East Kanab	
EL-	Ellensburg	EL-WA
EL2	El Mirage 2	
ELA	Elazig	
ELAGU	Cayambe Volc	
ELAN	Lanestosa	
ELB	Lambom Island	
ELBA	Catalca	
ELC	Elco	
ELD	Ethyl Lake Duckett	
ELDR	Elanda	
ELDT	Eldivan	
ELDTW	Lidau	
ELF	Elginfield	
ELFO	Elginfield	
ELFS	Eagle Lake Field Station, Susanville	
ELGO	Elora Gorge	
ELI	Lubumbashi	
ELIB	Princess Elisabeth base, Queen Maud Land, Antarctica	
ELIJ	Sierra de Lijar	
ELIM	Elim	
ELIZ	Elizondo	
ELK	Elko	
ELL	Elmali	
ELLO	Elliot Lake	
ELM	Elma	
ELMC	El Mirage	
ELMO	Cerro Moro	
ELMT	Elliston	
ELN	Prospectdale	
ELNV	Ellenville	
ELO	Logie Almond	
ELOB	Lobios	
ELOJ	Sierra Loja	
ELOV	Elorza	
ELP	El Pangue	
ELPA	Fila Paraiso	
ELQ	El Quisco	
ELRC	Elmore Ranch	
ELRO	Cerro El Roble	
ELS	Elsinore Mountain	
ELSH	Elham, Standardhill Farm (Kent)	
ELT	Yel'tsovka	
ELU	Electric Lake	
ELUQ	Luque	
ELV	Elvey	
ELVI	Sierra Elvira	
ELW	Echo Lake	
EL-WA	Ellensburg	
ELY	Ely	
ELYF	Elaudy	
ELZ	Elazig	
ELZG	Elazig	
EM-	Emporia	EM-KA
EMA	Elm	
EMAL	Malaga-Limonero	
EMAR	Monte Arcimis	
EMAZ	Mazaricos	
EMB	Emerald Bay	
EMBD	Embd, Mattertal	
EMCN	Etna Monte Conca	
EME	Emae	
EMEL	Melilla	
EMFO	Monte Fontane	
EMFS	Etna Monte Frumento Supino	
EMGR	Monte Grosso	
EMHD	Djebel Mahouada	
EMI	Eightmile Canyon	
EMIJ	Mijas	
EMIL	Monte Intraleo	
EMIN	Mina Concepcion	
EMIR	Miracle	
EMK	Emporia	
EM-KA	Emporia	
EML	El Monte Cty Pk	
EMLI	Melilla	
EMLP	Malpasso	
EMM	East Machias	
EMMT	East Machias	
EMMW	East Machias	
EMN	Eldorado Mountains	
EMNR	Monte Nero	
EMO	Emosson	
EMON	Mondonedo	
EMOS	Mosqueruela	
EMPA		
EMPL	Monte Parmentelli	
EMRS	Mersa Alam	
EMRV	Monte Ruvolo	
EMS	Emosson-Mur	
EMSC	East Mesa	
EMSG	Monte Spagnolo	
EMT	Emmet	
EMUR	La Murta	
EMUT	Emma Park	
EMV	Vieux Emosson	
EMVT	Monte Vetore	
EMX	El Mayor	
EN-	Ellsinore	EN-MO
EN6*	Monte Nero	
ENA	Nanau	
ENCS	Nicolosi	
ENDD	Endenburg	
ENEL	Enilchek, Kyrgyzstan	
ENEZ	Enez	
ENG	Engineer Hill	
ENGB	English Bluff	
ENGD	Engstlatt	
ENGI	Ein Gedi	
ENH	Enshi	
ENIC	Nicolosi	
ENIJ	Nijar	
ENLS	Nicolosi	
ENM	Eenrum	
ENM1	Eenrum	
ENM2	Eenrum	
ENM3	Eenrum	
ENM4	Eenrum	
EN-MO	Ellsinore	
ENN	Epen	
ENPP	El Nido	
ENR	Entracque	
ENSF	Ens	
ENT	Entebbe	
ENTS	Ennepetalsperre	
ENTT	Nioudou	
ENV	Elp	
ENV1	Elp / Enerveen	
ENV2	Elp / Enerveen	
ENV3	Elp / Enerveen	
ENV4	Elp / Enerveen	
ENX	Ensenada	
ENZ	Enzan	
ENZZ	Sultanice-Enez-Edirne	
EO1	Edge Oya	
EO2TX	Elmo	
EORO	Oroz-Betelu	
EOSO	Osorio	
EP-	El Paso	EP-TX
EPA	Esparza	
EPAB	San Pablo	
EPALM	Reventador volcano	
EPAP	Piano d'Api	
EPCH		
EPDN	Pizzo Deneri	
EPET	Petrulli	
EPF	Esparros	
EPH	Ephrata	
EPI	Epi	
EPIS	Pennisi	
EPLA	Plasencia	
EPLC	Punta Lucia	
EPLO	Experimental Lakes	
EPM	Echo Peak	
EPMB	Univ. Columbia	
EPMC	Merrill Creek	
EPMN	Piedimonte	
EPOB	Poblet	
EPOL	Con Chiusa Politi	
EPON	Pontenova	
EPOS	Posof	
EPOZ	Pozzillo	
EPPA	Pizzo Paviglione	
EPR	East Pahranagat Range	
EPRM	East Prairie	
EPRU	Pruna	
EPSO	Coonabarabran	
EPT	El Paso	
EP-TX	El Paso	
EPU	East Promontory	
EPW	Ephrata	
EPZF	Pizzo Felice	
EQES	Quesada	
EQUE	Quentar	
ER1	Erice	ERC
ER101	Early Rise 101	
ER102	Early Rise 102	
ER103	Early Rise 103	
ER104	Early Rise 104	
ER105	Early Rise 105	
ER106	Early Rise 106	
ER107	Early Rise 107	
ER108	Early Rise 108	
ER109	Early Rise 109	
ER110	Early Rise 110	
ER111	Early Rise 111	
ER112	Early Rise 112	
ER113	Early Rise 113	
ER114	Early Rise 114	
ER115	Early Rise 115	
ER116	Early Rise 116	
ER117	Early Rise 117	
ER118	Early Rise 118	
ER119	Early Rise 119	
ER120	Early Rise 120	
ER201	Early Rise 201	
ER202	Early Rise 202	
ER203	Early Rise 203	
ER204	Early Rise 204	
ER205	Early Rise 205	
ER207	Early Rise 207	
ER208	Early Rise 208	
ER209	Early Rise 209	
ER210	Early Rise 210	

Code	*Station Name*	*Other*
ER211	Early Rise 211	
ER212	Early Rise 212	
ER213	Early Rise 213	
ER215	Early Rise 215	
ER216	Early Rise 216	
ER217	Early Rise 217	
ER218	Early Rise 218	
ER219	Early Rise 219	
ER220	Early Rise 220	
ER221	Early Rise 221	
ER222	Early Rise 222	
ER223	Early Rise 223	
ER224	Early Rise 224	
ER225	Early Rise 225	
ER226	Early Rise 226	
ER227	Early Rise 227	
ER228	Early Rise 228	
ER229	Early Rise 229	
ER230	Early Rise 230	
ER231	Early Rise 231	
ER232	Early Rise 232	
ER234	Early Rise 234	
ER235	Early Rise 235	
ER236	Early Rise 236	
ER237	Early Rise 237	
ER238	Early Rise 238	
ER239	Early Rise 239	
ER241	Early Rise 241	
ER242	Early Rise 242	
ER300	Early Rise 300	
ER301	Early Rise 301	
ER302	Early Rise 302	
ER303	Early Rise 303	
ER304	Early Rise 304	
ER306	Early Rise 306	
ER307	Early Rise 307	
ER308	Early Rise 308	
ER309	Early Rise 309	
ER310	Early Rise 310	
ER311	Early Rise 311	
ER312	Early Rise 312	
ER313	Early Rise 313	
ER314	Early Rise 314	
ER315	Early Rise 315	
ER316	Early Rise 316	
ER317	Early Rise 317	
ER318	Early Rise 318	
ER319	Early Rise 319	
ERB	Rabaul (IGS)	
ERBA	Erbaa	
ERBM	Eremo	
ERBR	Yeremizino-Borisovskaya	
ERC	Erice	
ERCT	Erciyes	
ERD	Erdek	
ERE	Yerevan	
EREA	Eretria	
EREN	Erenkoy	
ERET	Eretria	
ERI	Eureka Ridge	
ERIK	Erikli-Kesan	
ERIN	Erian - IBB Gov. - Yemen	
ERIP	Rio Piedras	
ERK	Elk Rock	
ERM	Erimo	
ERMK	Ermenek	
ERMT	East Ridge	
ERN	Ernestine	
ERNS	Erzin	
ERON	Agron	
EROQ	Roquetas del Mar	
ERP	Erie	
ERPA	Erie	
ERPC	Ernies Place	
ERPF	Erpfingen	
ERPM	east rand property ines	
ERR	Err	
ERRC	Elmore Ranch	
ERS	Ellisras	
ERSA	Rifugio Sapienza	
ERT	Erto-Casso	
ERTA	Horta de San Juan	
ERTU	Ertsjaerv	
ERUA	La Rua	
ERW	Mount Erie	
ERZ	Erzurum	
ERZC	Erzyncan	
ERZM	Erzurum	
ERZN	Erzincan	
ERZT	Erzurum	
ES-	Espanola	ES-ON
ES01	SONSECA Array Site 01	
ES02	SONSECA Array Site 02	
ES03	SONSECA Array Site 03	
ES04	SONSECA Array Site 04	
ES05	SONSECA Array Site 05	
ES06	SONSECA Array Site 06	
ES07	SONSECA Array Site 07	
ES08	SONSECA Array Site 08	
ES09	SONSECA Array Site 09	
ES10	SONSECA Array Site 10	
ES11	SONSECA Array Site 11	
ES12	SONSECA Array Site 12	
ES13	SONSECA Array Site 13	
ES14	SONSECA Array Site 14	
ES15	SONSECA Array Site 15	
ES16	SONSECA Array Site 16	
ES17	SONSECA Array Site 17	
ES18	SONSECA Array Site 18	
ES19	SONSECA Array Site 19	
ESA	Esa-ala	
ESAC	San Caprasio	
ESAD	Djebel Saadia	
ESAL	Sant'Alfio	
ESAN	Monte dei Santi	
ESAR	Angra dos Reis-Rio de Janeiro-Brazil	
ESB	Esa-ala	
ESBB	Sonseca Array BB	
ESC	El Salvador	
ESCA	l'Escarene	
ESCF	Escot	
ESCO	ESCO Site	
ESCV	Scorciavacca	
ESD	East Dome	
ESDC	Sonseca Array Beam Reference Point	
ESE	Esentepe	
ESEL	Selva	
ESF	Shoufeng Township	
ESGS	El Segundo	
ESH	Esan	
ESK	Eskdalemuir	
ESKT	Eskisehir	
ESKU	Eskilstuna	
ESL	Shilin	
ESLA	Sonseca Array Site A	
ESLB	Sonseca Array Site B	
ESLC	Sonseca Array Site C	
ESLD	Sonseca Array Site D	
ESLE	Sonseca Array Site E	
ESLF	Sonseca Array Site F	
ESLG	Sonseca Array Site G	
ESLN	Serra La Nave	
ESM	Semalu	
ESML	S. M. di Licodia	
ESO	Esso	
ES-ON	Espanola	
ESP	Espenschied	
ESPC	Serra Pizzuta	
ESPO	Espot	
ESPR	Espera	
ESPY	Espiye-Giresun	
ESPZ	Base Esperanza	
ESR	Escape Road	
ESRO	Monte Soro	
ESS	CRAAG	
EST	Estancia	
ESTP	Estepa	
ESTR	Eastside	
ESU	Esutoru	
ESVO	Monte Scavo	
ESY	Stoneypath	
ET2	Eltopia	
ET3	Eltopia	
ETA	Tara	
ETAN	Djebel Tanoua	
ETAR	Tardaria	
ETAZ	East Tamaki Reservoir	
ETB	Estevan Point	
ETC	El Centro	
ETER	Terradas	
ETFI	Torre del Filo	
ETG	Eatonton	
ETHB	Djebel Tachoubennt	
ETKA	Kagalaska Island	
ETL	Fush Village	
ETOB	Tobarra	
ETOR	Torete	
ETOS	Mallorca	
ETP	Eltopia	
ETRT	Tiaret	
ETS	Engine Test Stand	
ETSF	Etsaut	
ETT	Etowah	
ETU	East Traverse Mountains	
ETV	Tovanakuss	
ETW	Entiat	
ETYK		
EU-	Eutaw	EU-AL
EU2	Eutaw	EU2AL
EU2AL	Eutaw	
EU-AL	Eutaw	
EUC	Eureka Canyon	
EUCT	Pavia	
EUGM	Eugowra	
EUM	Eureka Mesa	
EUNU	Eureka	
EUO	Eugene	
EUR	Eureka	
EUW	Eureka	
EUZM	Uzumlu	
EVA	Evander	
EVAL	Valverde	
EVCC	Everett College ANSS-SMO	
EVE	Everglades	
EVEN	Evensk	
EVGW	Everett Gateway Middle School ANSS-SMO	
EVIA	Vianos	
EVIN	Evansville	
EVN	Everest	
EVNA	Vena	
EVNR	Evensk	
EVO	Evora	
EVOP	Sao Brissos	
EVR	Evrytania	
EVRN	Santa Venerina	
EVV	El Vigia	
EVZ	Mount Varzin	
EW-	Eniwetok	EW-IS
EW2	E Wide Canyon 2	
EWC	East Wide Canyon	
EW-IS	Eniwetok	
EWT	Watom Island	
EWZ	Erewhon	
EWZT0	Triemli, ZR	
EWZT1	Frdhf. Weidikon, ZR	
EWZT2	Wettswil, ZR	
EWZT3	Uitikon, ZR	
EXAA	Alhama Almeria	
EXAD	Adra	
EXAG	Alhama Granada	
EXAI	Alicante	
EXAL	Albunol	
EXAM	Almeria	
EXAO	Algodonales	
EXAR	Arenas del Rey	
EXBA	Badajoz	
EXBE	Becerrea'	
EXBN	Benidorm	
EXBZ	Baza	
EXC	Excelsior	
EXCA	Cadiz	
EXCH	Chimeneas	
EXDI	Dilar	
EXED	Elda	
EXEE	El Ejido	
EXEL	Elche	
EXES	Estepona	
EXG	Exogi	
EXGA	Gandia	
EXGUA	Guardamar (Alicante)	
EXJA	Jaen	
EXJU	Jumilla	
EXLO	Lorca	
EXLR	Lorqui	
EXLU	Lugo	
EXMA	Malaga	
EXMO	Motril	
EXMU	Mula	
EXOR	Olula del Rio	
EXPA	Pamplona	
EXSA	Sarria	
EXSG	Experiment Station	
EXTA	Tarifa	
EXTO	Torrevieja	
EXVE	Vera	
EY-	Ely	EY-NV
EY2	Ely	EY2NV
EY2NV	Ely	
EYAK	Cordova Ski Area	
EYES	Ewing Young ES, Newberg ANSS-SMO	
EYL	Eskiyayla	
EYMN	Ely	
EY-NV	Ely	
EYP	El Yunque	
EZ5V		
EZAM	Zamans	
EZC	Erzincan	
EZM	Erzurum	
EZN	Ezine	
EZPO	C.da Z Pietro	
F03A	Seaside	
F04A	Amboy	
F05A	White Salmon	
F06A	Goldendale	
F07A	Phinny Hill Vineyards, Prosser	
F08A	Pendleton	
F09A	S2 Ranch, Elgin	
F10A	Beach Ranch, Enterprise	
F11A	Grangeville	
F12A	Elk City	
F13A	Darby	
F14A	Wisdom	
F15A	Butte	
F16A	Kennard Place, Willow Creek	
F17A	Fitzpatrick Place, Clyde Park	
F18A	Big Timber	
F19A	Roth Farm, Molt	
F20A	Billings	
F21A	Absaloka Mine, Hardin	
F22A	Rosebud	
F23A	Volborg	
F24A	Ekalaka	
F25A	Bowman	
F26A	Lodgepole	
F27A	Lemmon	
F28A	McLaughlin	
F29A	Eureka	
F30A	Leola	
FA1	Favara	FAI
FAB	Fabrichnaya	
FABU	Falkenberg	
FAC	Faja de Cima	
FACH	Fachingen	
FAE	Faenza	
FAEN	Faenza	
FAGN	Fagnano	
FAI	Favara	
FAIR	Fairbairn	
FAKI	Fak Fak	
FAL	Falling Springs	
FALK	Falkenberg	
FALL	Mountain Creek	
FALS	False Pass	
FALU	Falun	
FAM	Famagusta	
FAN	Fanning Island	
FANE	Correggio Fan	
FA-NV	Faultless	
FAQ	Al Faqa, Dubai	
FAR	Faro	
FARB	Farallon Islands	
FARG	Farmington	
FARH	Faro	
FARM	Veracruz	
FAT	Fatmalar	
FAU	Forcella Aurine	
FAV	Fayetteville	
FAVR	Favara	
FAY	Fayetteville	
FB2AK	Fairbanks	
FBA	Fairbanks	
FB-AK	Fairbanks	
FBAL	Fairbanks--Long Period	
FBAS	Fairbanks	
FBB	Freiburg im Breisgau	
FBC	Frobisher Bay	
FBE	Freiberg	
FBG	Trois Rivieres	
FBK	Fairbanks	
FBMT	Ferry Basin	
FBN	Frobisher Bay	FRB
FBO	Farmers Butte	
FBR	Fabra	
FBT	Foumbot	
FCAR	Ozark Folk Center	
FCBC	Franklin Camp	
FCC	Fort Churchill	
FCH	Farellones	
FCN	Frijoles Canyon	
FCV	Fort Charlotte	
FDA	Foz do Areia	
FDA4	Foz do Areia	
FDA5	Foz do Areia	
FDAF	Les Forges d'Abel	
FDAS		
FDCV	FORTIN DE LA CUMBRE	
FDF	Fort de France	
FDG1	Firdgum	
FDG2	Firdgum	
FDG3	Firdgum	
FDG4	Firdgum	
FDKY	Freedom	
FDMO	Fiordimonte	
FDU	Ford Ridge	
FEA	Feather Falls	
FECT	Ferrara Citta	
FEF	Fern Forest	
FEKT	Feke	
FEL	Feldberg	
FELD	Feldberg im Schwarzwald	
FEN	Shenyang	
FENE	Fenestrelle	
FEO	Feodosiya	
FER	Ferndale	
FERN	Isla Fernandina	
FERR	Ferguson	
FESP	Espira	
FETA	Feichten	
FETY	Fethiye	
FFBG	Frank Field Bay, Greenland	
FFC	Flin Flon	
FFD	Franklin Falls Dam	
FFNB	Fofonovo	
FG1	Foggia	FOG
FG2	Serracapriola	
FG3	Mte Sant'Angelo	
FG4	Candela	
FG5	Orsara di Puglia	
FG6		
FGG	Foggia	FOG
FGMS	Monte Sant'Angelo	
FGO	Fuego	
FGO2	Fuego 2	
FGSL	Fruska Gora	
FGTN	Flat Gap	
FGTQ	Fig Tree	
FGU	Flaming Gorge	
FH-	Fort Sherman	FH-PM
FHC	Fickle Hill	
FHE	Frenchman Hills East	
FHMC	Merrill Creek	
FHO	Fitzroy Harbor	
FH-PM	Fort Sherman	
FHRB	Fair Harbour	
FHV	Haldarsvik	
FIA0	FINESS Array Site A0	FINES
FIA1	FINESS Array Site A1	
FIA2	FINESS Array Site A2	
FIA3	FINESS Array Site A3	
FIAM	Fiamignano	
FIB	Fire Island	
FIB1	FINESS Array Site B1	
FIB2	FINESS Array Site B2	
FIB3	FINESS Array Site B3	
FIB4	FINESS Array Site B4	
FIB5	FINESS Array Site B5	
FIB6	FINESS Array Site B6	
FIBO	Fila Bonilla	
FIC1	FINESS Array Site C1	
FIC2	FINESS Array Site C2	
FIC3	FINESS Array Site C3	
FIC4	FINESS Array Site C4	
FIC5	FINESS Array Site C5	
FIC6	FINESS Array Site C6	
FICA	Fila Carbon	
FID	Port Fidalgo	
FIESA	Fiescheralp	
FIG	Monte Figo	
FIGC	Figueroa Mtn.	
FIL	Fillmore	
FILF	Fillols	
FIN	Finale Ligure	
FINB	Finale Ligure	
FINC	Finschhafen	
FINE	Fine	
FINES	FINESS Array Beam Reference Point	
FINN	Finn Hill Junior High School	
FINU	Finntorp	
FIPE	Fila de Piedra	
FIR	Firenze	
FIS	Fire Island	
FISA	Sacuragua	
FITX	Fitzroy Crossing	
FITZ	Fitzroy Crossing	
FIU	Minerbio Fiu	
FIVI	Fivizzano	
FK-	Franktown	FK-CO
FKBC	Forrest Kerr	
FK-CO	Franktown	
FKH	Fakeheh	
FKI	Failaka Island	
FKJ	Fukue	
FKJD	Fukui	
FKK	Fukuoka	
FKO	Franklin	
FKPU	Falk	
FKS	Fukushima	
FL-	Fort Nelson	FL-BC
FL01	Flin Flon Array Site 1	
FL02	Flin Flon Array Site 2	
FL03	Flin Flon Array Site 3	
FL04	Flin Flon Array Site 4	
FL05	Flin Flon Array Site 5	
FL06	Flin Flon Array Site 6	
FL07	Flin Flon Array Site 7	
FL08	Flin Flon Array Site 8	
FL09	Flin Flon Array Site 9	
FL10	Flin Flon Array Site 10	
FL11	Flin Flon Array Site 11	
FL12	Flin Flon Array Site 12	
FL13	Flin Flon Array Site 13	
FL14	Flin Flon Array Site 14	
FL15	Flin Flon Array Site 15	
FL16	Flin Flon Array Site 16	
FL17	Flin Flon Array Site 17	
FL18	Flin Flon Array Site 18	
FL2	Flat Top 2	
FL31	Flin Flon Array Site 31	
FLA	Flat	
FLACH	Flaach	
FLAG	Flagstaff	
FLAR	Flin Flon Array Beam Reference Point	
FLAS	Fullerton Airport	
FL-BC	Fort Nelson	
FLE	Fletcher	FLET
FLET	Fletcher	
FLFR	Flavio Alfaro	
FLG	Flagstaff	
FLK	Falkland Islands	
FLKY	Flemingsburg	
FLLB	Fletcher Lake Big Creek, BC	
FLN	La Foliniere	
FLO	Florissant	
FLOC	Florencia	
FLOM	Florida	
FLOR	Flores Is	
FLOS	Flostrand	
FLP	Featherly Pass	

Code	Station Name	Other
FLPT	Flippin	
FLR	Fall River	
FLS	Las Flores	
FLSC	Flash Two Peak	
FLT	Fleetwood	
FLU	Fool Peak	
FLV		
FLW	Foulwind	
FLWY	Flagg Ranch	
FLYU	Flymyra	
FM-	Fillmore	FM-UT
FMA	Fort MacArthur	
FMC	Four Mile Canyon	
FMF	Francis Marion National Forest	
FMKY	Fulgham	
FMON	Montouss^¹	
FMP	Fort Macarthur Park	
FMPA	Franklin College	
FMT	Funeral Mountains	
FMTX	Flower Mountain	
FM-UT	Fillmore	
FMW	Mount Fremont	
FN-	Franklin	FN-WV
FNA	Florina	
FNBB	Fort Nelson	
FNBC	Fort Nelson	
FNC	Finlay Fork	
FNDO	Fernando de Noronha	
FNEB	N^'bias	
FNG	Fond-Bernard	
FNN	Franconia Notch	
FNO	Franklin	
FNT	Hobart	
FNVD	Fontana Vidola	
FN-WV	Franklin	
FO-	Fort Stockton	FO-TX
FOA	Forni Avoltri	
FOC	Focsani	
FODE	Fodele	
FOE	Fourare	
FOEL	Foel Wylfa	
FOG	Foggia	
FOL	Foligno	
FOMA	Nahampoana Res	
FON	Fontana	
FONT	Fontmartina	
FONW	Fourpeaked Station 2	
FOO	Floro	
FOPK	Fourpeaked Volcano	
FOR	Fordham	
FORC	Fortuna	
FORR	Forrest	
FORT	Forrest	
FORU	Forsmark	
FOSS	Fourpeaked Station 1	
FOT	Fontinhas	
FOTD	Funaoka	
FO-TX	Fort Stockton	
FOUF	Fouillouse	
FOX	Fox Creek	
FOXC	Fox Airport	
FOZ	Fox Glacier	
FPAL	Fort Paine	
FPK		
FPN	Fairview Peak	
FPN1	Fairview Park	
FPPC	Fogo--Pe de Pico	
FPST	Four Points	
FPU	Francis Peak	
FPW	Fields Point	
FR-	Forsyth	FR-MA
FR27	Wilpena Pound	
FRA	Furnas	
FRA1	Furnas	
FRAS	Faraa	
FRB	Frobisher Bay	
FRC	Federal Ranch	
FRCO	San Francisco	
FRD	Ford Ranch	
FRE	Fresno	
FRED	Fred Haigh	
FRES	Fresagrandinaria	
FRF	La Foret Royale	
FRG	Fergana	
FRGC	Fargo Canyon	
FRGS	Fruska Gora	
FRI	Friant	
FRIM	Kepong	
FRIS	Frissel Point	
FRJS	Jabal Farasan	
FRK	Frink	
FRM	Flat River	
FRMA	Ierapetra Chania	
FR-MA	Forsyth	
FRN	Fernie	
FRNF	Fournols	
FRNY	Flat Rock	
FRO	Froya	
FROB	Froelich Ranch	
FRON	Frontone	
FROS	Frosini	
FRP	Fremont Peak	
FRR	Firariana	
FRS	Fauresmith	
FRSS	Farasan al Kabir	
FRT	Faratahi	
FRTB	Fartura	
FRTM	Forrest	
FRTX	Fuller Ranch	
FRU	Bishkek	
FRV	Farmville	
FRZ	Fierza	
FS-	Flagstaff	FS-AZ
FS03	Four Seasons	
FS1	Fosdinovo	FSI
FSA	Cafayete	
FS-AZ	Flagstaff	
FSB	Fort Saint James	
FSC	Fuscaldo	
FSCY	Frank Sound, Grand Cayman	
FSD	Sut uroy	
FSH	Hochheid	
FSHM	Fish Creek	
FSI	Fosdinovo	
FSJ	Fort Saint James	
FSMA	Fort Smith	
FSP	False Pass	
FSR	Penalolen	
FSSB	Fossombrone	
FST	Fort Simpson	
FST1	Fort Simpson	
FSU	Fish Springs	
FSV	Svinoy	
FSW	Finsterwolde	
FSW1	Finsterwolde 1	
FSW2	Finsterwolde 2	
FSW3	Finsterwolde 3	
FSW4	Finsterwolde 4	
FSW5	Finsterwolde 5	
FT-	Fort McLeod	FT-BC
FTA	Fortuna	
FTB	Fintinele	
FT-BC	Fort McLeod	
FTC	Fort Tejon	
FTM	Fortuna Mine	
FTO	Torshavn	
FTR	Fort Ross	
FTV	Front Royal	
FTW	Fairmont	
FTZM	Fitzroy Falls	
FUB	Fube	
FUG	Fuego 3	
FUJ	Fuji-kawa	
FUK	Fukui	
FUL	Funchal	
FULC	Fullerton	
FULR		
FUN	Funatsu	
FUNA	Funafuti	
FUNV	FUNVISIS	
FUORN	Ofenpass-Fuorn	
FUQ	Fuquene	
FUR	Furstenfeldbruck	
FURC	Furnace Creek,Death Valley	
FURD	Furusato	
FURI	Furi	
FUSE	Fusea	
FUSIO	Fusio	
FUT	Futatsui	
FUTA	Futaleufu@15	
FVA	Vagar	
FVI	Forni Avoltri	
FVM	French Village	
FWS	Furtwangen	
FWV	Forest Hill	
FWVZ	Far West T-bar	
FX1	Attu Island--Fox	
FXWY	Fox Creek	
FY1	Fort Yukon	
FY2	Fort Yukon	
FY3	Fort Yukon	
FY4	Fort Yukon	
FY5	Fort Yukon	
FYD	Fayid	
FYM	Al Fayyum	
FYTO	Fytoko, Volos	
FYU	Fort Yukon	
G03A	Yamhill	
G04A	Mulino	
G05A	Wamic	
G06A	Carlson Farm, Grass Valley	
G07A	Ruggs Ranch, Heppner	
G08A	Pilot Rock	
G09A	Cove	
G10A	Bishop Farm, Joseph	
G11A	Walters Elk Ranch, Riggins	
G12A	Big Creek, Yellow Pine	
G13A	Cobalt	
G14A	Jackson	
G15A	Dillon	
G16A	Moss Hill, Ennis	
G17A	Pierce Place, Pray	
G18A	Lazy EL Ranch, Roscoe	
G20A	Bridger	
G21A	Lodge Grass	
G22A	Birney	
G23A	Biddle	
G24A	Alzada	
G25A	Newell	
G26A	Maurine	
G27A	Dupree	
G28A	Parade	
G29A	Hoven	
G30A	Faulkton	
GA2TX	Grand Saline	
GA3TX	Grand Saline	
GAB	Gabbs	
GABY	Abymes - Guadeloupe	
GAC	Glen Almond	
GACM	Adobe Creek	
GACO	Gateway	
GADA	Gvkgeada	
GAEA	Gareloi East	
GAF	Gafsa	
GAFM	Point Arena AFB	
GAI	Gainesville	
GAKI	Gareloi-Kavalga I.	
GAL	Galerazamba	
GAL1	Galloway	
GALA	Gala	
GALAA	Gareloi Lava Pt.	
GALC	Galileo	
GALE	Galera	
GALF	Gagliano Castelferrato	
GALN	Gameti Lake	
GALR		
GAM	Garm	GAR
GAMB	Gambell	
GAMI	Galela, Maluku	
GAN	Gretna	
GANE	Gareloi Northeast	
GANF	Ganagobie	
GANJ	Ganja	
GANO	Gareloi North	
GAP	Garmisch-Partenkirchen	
GAPA	Garmisch-Partenkirchen	
GAR	Garm	
GARG	Garrygala	
GARI	Garurganga	
GARM	Arbuckle	
GARN	Garrison	
GAS	Alder Springs	
GASB	Alder Springs Broadband	
GASG	Gaspe, Quebec	
GASW	Gareloi Southwest	
GATE	Gambatesa	
GATR	Gnd/Air Tx Cntr	
GA-TX	Grand Saline	
GAU	Ngau Island	
GAUS	Gevers	
GAV	Glen Avon	
GAVD	Gavdhos	
GAVE	Gavelli	
GAXM	Alexander Valley	
GAY	Galvasay	
GAZ	Gaziantep	
GAZI	Gazipasa	
GAZZ	Gazzo Veronese (Italy)	
GB01	Guatemala OBS 1	
GB02	Guatemala Basin O.B.S. 2	
GB03	Guatemala Basin O.B.S. 3	
GB04	Guatemala Basin O.B.S. 4	
GB05	Guatemala Basin O.B.S. 5	
GB06	Guatemala Basin O.B.S. 6	
GB07	Guatemala Basin O.B.S. 7	
GB08	Guatemala Basin O.B.S. 8	
GB1A	Boringuen Arriba	
GBA	Gauribidanur Array	
GBAM	Glenbawn Dam	
GBAN	Gaibana	
GBAS	Gorenja Brezovica	
GBB	Gable Butte	
GBBM	Glenbawn Bedrock	
GBC	Guantanamo Bay	
GBD	Granbergs Dal	
GBDM	Big Darby	
GBF	Grand Ballon	
GBG	Greensboro	
GBGM	Boggs Mountain	
GBI	Big Grassy Butte	
GBL	Gable Mountain	
GBLN	Grizzly Bear Lake	
GBM	Granite Butte	
GBMF	Grand Be	
GBMM	Baldy Mountain	
GBN	Guysborough	
GBNC	Greensboro	
GB-NM	Gasbuggy	
GBO	Fort Gibson	
GBOM	Black Oak	
GBPR	Guanica, Bosque Seco, PR	
GBR	Grand-Bara	
GBRS	Gornja Briga	
GBS	Qobustan	
GBS2	Las Lilas	
GBS3	Finca Las Im^¡genes	
GBT	Gilbert	
GBTN	Greenback	
GBV	Green Bank	
GBY	Granite Bay	
GBZ	Great Barrier	
GBZT	Gebze	
GC-	Glacier Peak	GC-WA
GC1	Gold Cst Hrdrock	
GC1S	Gold Coast 1 Soft	
GC2	Gold Coast Softrock	
GC2F	Gold Coast 2 Fill	
GCA	Glen Canyon	
GCAM	G?zelcaml?	
GCAZ	Grand Canyon	
GCBM	Chamberlain Ridge	
GCC	Granite Creek	
GCD	Castle Douglas	
GCG	Guatemala City	
GCIS	Gornji Cirnik	
GCK	Clark Valley	
GCL	Cushendall	
GCM	Grand Cayman	
GCMM	Cobb Mountain	
GCMT	Greycliff	
GCPN	Pointe noire	
GCR	Grayling Creek	
GCRM	Castle Rock Springs	
GCSA	Galena City School	
GCSM	Cold Spring Mountain	
GCVM	Cloverdale	
GCW	Grand Coulee	
GC-WA	Glacier Peak	
GCWM	Cow Mountain	
GCY	Glen Cove	
GD-	Grundy	GD-VA
GDB	GEDABAY	
GDCM	Dry Creek	
GDDT	Gundogdu	
GDH	Godhavn	
GDHS	Morne Mazeau, Deshaies	
GDL2	Guadalupe Mountain	
GDLC		
GDLN	Gardenia Lake, NWT	
GDM	Grand'Maison	
GDR	Gold River	
GD-VA	Grundy	
GDXM	Geysers	
GDZ	Gediz	
GE-	Globe	GE-AZ
GEA0	GERESS Array Site A0	
GEA1	GERESS Array Site A1	
GEA2	GERESS Array Site A2	
GEA3	GERESS Array Site A3	
GEAM	CSIRO Animal Health Laboratory	
GE-AZ	Globe	
GEB	Gebze	
GEB1	GERESS Array Site B1	
GEB2	GERESS Array Site B2	
GEB3	GERESS Array Site B3	
GEB4	GERESS Array Site B4	
GEB5	GERESS Array Site B5	
GEC1	GERESS Array Site C1	
GEC2	GERESS Array Site C2	GERES
GEC3	GERESS Array Site C3	
GEC4	GERESS Array Site C4	
GEC5	GERESS Array Site C5	
GEC6	GERESS Array Site C6	
GEC7	GERESS Array Site C7	
GECU	Ecuador Network	
GED	Gedeh	
GED1	GERESS Array Site D1	
GED2	GERESS Array Site D2	
GED3	GERESS Array Site D3	
GED4	GERESS Array Site D4	
GED5	GERESS Array Site D5	
GED6	GERESS Array Site D6	
GED7	GERESS Array Site D7	
GED8	GERESS Array Site D8	
GED9	GERESS Array Site D9	
GEDT	Gedikpinar	
GEDZ	Gediz	
GEE	Geehi	
GEES	Gees Lookout	
GEG	Gegechkori	
GELF	Grande-Etoile	
GELI	Tayfur-Gelibolu	
GEMT	Gemlik	
GEN	Genova	
GENH	Genta-Ana	
GENI	Genyem	
GENL	Genova University	
GENO	Geno	
GENY	Geneseo	
GEO	Georgetown	
GEPF	Gemona	
GERES	GERESS Array Beam Reference Point	
GERM	Germantown	
GET	Gonen	
GEVA	Gevas	
GEYT	Alibeck	
GEZ	Gezan	
GF-	Goldfield	GF-NV
GFA	Gafsa	
GFC	Funks Creek	
GFM	Grandfather Mountain	
GFN	Grafton	
GFNU	Grise Fiord	
GF-NV	Goldfield	
GFP	Griffith Park	
GFTM	Plant 15--Mercuryville	
GFW	Glenfield	
GG-	Grafenberg Ar.	GG-GR
GGC	Guia Canaria	
GGF	Granges-Gontardes	
GG-GR	Grafenberg	
GGLM	Glenview	
GGN	Saint George	
GGP	Refugio Guagua Pichincha	
GGPM	Geyser Peak	
GGUM	Gualala	
GGV	Gabriel Gonzalez Videla	
GHA	Glashutten	
GHAN	Ghanteswor	
GHAR	Gharyan	
GHAT	Ghardimaou	
GHC	Gold Hill	
GHCM	House Creek	
GHGM	Hogback Ridge	
GHI	Gilbert Hill	
GHIB	Gold Hill	
GHIR	Ghir-Karzin	
GHLM	Highland Springs	
GHMM	Hull Mountain	
GH-MS	Greenville	
GHNB	Nanoose	
GHO	Glory Hole Creek	
GHOM	Hamilton Opening	
GHRR		
GHS	Gilroy Hot Springs	
GHSS	Government House	
GHV	Goochland	
GHVM	High Valley	
GHVR	GHOM	
GHW	Garrison Hill	
GHZJ	Ghuzeima	
GI-	Glendive	GI-MA
GIA	Geophysical Institute, University of Alaska	
GIB	Gibilmanna	
GIBL	Gibalbin	
GID	Gilleleje	
GIE	Galapagos Islands	
GIF	Gifu	
GIFN	Gifford Fjord, Baffin Island, Nunavut	
GIGS	Gran Sasso	
GIL	Gilmore Creek	
GILB	Gilboa	
GILD	Guildford	
GILR	Gillis	
GILT	SW Tenn Gill Cnt	
GIM	North Isle of Man	
GI-MA	Glendive	
GIMEL	St. Georges / Gimel	
GIN	Stromboli-G	
GIO	San Gregorio	
GIP	Gileppe	
GIRL	Giralia	
GIRR	Girov	
GIS	Gissar	
GIUL	Giuliano Di Roma	
GIUM	Giurgiulesti	
GIVF	Givet	
GIZ	Gizo	
GJC	Grand Junction	
GJIK	Gjilan	
GJRN	Ganjari	
GKA	Goroka	
GKC	Gold King Creek	
GKD	Gaurikund	
GKN	Gorkha	
GKP	Gorka Klasztorna	
GL-	Garland	GL-TX
GL2	New Goldendale	
GLA	Glamis	
GLAD	Gladstone	
GLADS	Gladstone Plant	
GLAT	Glass	
GLB	Gilahina Butte	
GLBA	Ca@14lilabad	
GLC	Glacier Island	
GLD	Golden	
GLE	Glenmuick	
GLEN	Glenside	
GLFJ		
GLH	Golan-Tel Qazir	
GLHS	Glhisar (BURDUR)	
GLI	Glacier Island	
GLK	Glacier Lake	

Code	*Station Name*	*Other*
GLKZ	Green Lake	
GLL	Jalalah	
GLM	Gilmore Dome	GLN
GLMI	Grayling	
GLMM	Glenmaggie	
GLMO	Le Moule	
GLN	Gilmore Dome	
GLNM	Glennies Creek Dam	
GLO	Gloucester	
GLOV	Gloversville	
GLP	Golpazari	GPA
GLR	Groom Lake Road	
GLS	Giles	
GLST	Glass	
GLT	Gallatin	
GL-TX	Garland	
GLWN	Glow Worm Lake	
GM-	Guantanamo	GM-CU
GMA	Granite Mountain	
GMB	Gambarie	
GMC	Macagua	
GMCM	McLaughlin Ranch	
GM-CU	Guantanamo	
GMG	Grassy Mountain	
GMI	Garnes Mountain	
GMJI	Gumukmas	
GMK	Mull of Kintyre	
GMKM	Mount Konoctai	
GMM	Mts of Mourne	
GMMM	Mayacamas Mountains	
GMN	Gold Mountain	
GMNA	Gemona	
GMO	Grizzlie Mountain	
GMOM	Moffitt Ranch	
GMR	Groom Range	
GMRC	Granite Mountains Res. Center	
GMRZ	Gyumri	
GMTN	Garret Mountain	
GMU	Granite Mountain	
GMV	El Manteco	
GMW	Gold Mountain	
GN-	Gnome	GN-NM
GNAM	Navarro Ridge	
GNAR	Gosnell	
GNBR	Gunib	
GNF	Goodnow Flow	
GNG	Grange	
GNI	Garni	
GNK	Ganki	
GNKF	Gonabad	
GNKN	Gaynekanda	
GNL	Ganaly	
GNM	Golden	
GNN	Gunnerudssatern	
GN-NM	Gnome	
GNO	Genoa	
GNOU	Gnosjoe	
GNT	Gentilly	
GNW	Green Mountain	
GNYT	Guneyli	
GNZ	Gisborne	
GO-	Gordon	GO-NB
GOA	Goa	
GOAT	Goat Mountain	
GOB	Galiano Island	
GOBA	Gobu	
GOBB	Galiano Island	
GOBY	Gobbelet	
GOC	Griffith Observatory	
GOET	G??ttrup	
GOF	Gofitskoye	
GOGA	Godfrey	
GOGM	North Grampians	
GOIL	Rosebud	
GOKC	Gokceada-Canakkale	
GOL	Golden	
GOLD	Kubaka	
GOLH	Golhisar	
GOLR		
GOLS	Golis@17e	
GOLV	Golondrinas	
GOM	Goma	
GON	Gongen	
GO-NB	Gordon	
GONE	Gonen-Balikesir	
GOPC	GO Pecny, Ondrejov, Czech Republic	
GOR	Gori	
GORA	Gorafe	
GORC	Green Oak Ranch	
GORG	Isola Di Gorgona	
GORS	Gorjuse	
GOT	Goteborg	
GOTU	Gotland	
GOU	Gould Hall	
GOV	Govalcot	
GOWB	Gowlland Point	
GOY	Gornyy	
GOZ	Gozaisho	
GP-	Grand Rapids	GP-MN
GPA	Golpazari	
GPD	Greenpond	
GPMM	Pine Mountain	
GP-MN	Grand Rapids	
GPNO	Pichincha	
GPNR	Gulpinar-Canakkale	
GPO	China Lake	
GPS1	Guardaparques de Rinc^‡n de la Vieja	
GPS2	Hotel Rinc^‡n de la Vieja Lodge	
GPS3	Bodega del ICE en Pailas	
GPTB	Petit Bourg	
GPV	Virgin Gorda Peak	
GPW	Glacier Peak	
GPY	Gippayama	
GPZ	Gebbies Pass	
GQP	Guinayangan	
GR1TX	Grit	
GR2	Grit	GR2TX
GR2C	Griffith Obs. 2	
GR2TX	Grit	
GRA	Graz	
GRA1	Grafenberg Array	GRF
GRA2	Grafenberg Array	
GRA3	Grafenberg Array	
GRA4	Grafenberg Array	
GRAC	Grapevine Ranger Station, Death Valley	
GRAI	Grandview Point	
GRAM	Graiana	
GRAU	Graesoe	
GRB	Gharib	
GRB1	Grafenberg Array	
GRB2	Grafenberg Array	
GRB3	Grafenberg Array	
GRB4	Grafenberg Array	
GRB5	Grafenberg Array	
GRBF	Gourbit	
GRBT	Greenback	
GRC	Garchy	
GRC1	Grafenberg Array	
GRC2	Grafenberg Array	
GRC3	Grafenberg Array	
GRC4	Grafenberg Array	
GRCC	Green River Community College BBO	
GRCI	Grant Creek	
GRCU	Cariacou	
GRD	Gardner Farm	
GRDS	Las Granadillas	
GRE	Grenada	
GRER		
GRF	Grafenberg Array	
GRFL	Gerfalco	
GRFO	Grafenberg	
GRG	Griva	
GRGR	Grenville	
GRH	Grahamstown	
GRHS	Sauteurs	
GRI	Girifalco	
GRI*	Grit	GR1TX
GRIC	Isle de Caille	
GRIN	Grindle Hills	
GRJ	Gorje	
GRJI	Gresik	
GRK	Goroka	
GRK1	Goroka	
GRL	Gorelyy	
GRLA	Grayling	
GRM	Grahamstown	
GRMI	Germi	
GRMM	Round Mountain	
GRN	Grenoble	
GRN*	Grenoble	
GRNC	Granite Creek	
GRNM	Rancho Navarro	
GRNR	Gornyy	
GRO	Groznyy	
GROC	Groznyy	
GROG	Isola di Gorgona	
GROM	Round Mountain	
GRON	Grota Negra	
GROR	Grindstone Mountain	
GROS	Grobnik	
GRP	Granite Pass	
GRQ	Grand Remous	
GRR	Gorron	
GRRI	Grays Lake	
GRRZ	Galatos Road	
GRS	Goris	
GRSN	GIRESUNGRSN	
GRSS	Sisters	
GRT	Gratio	
GRTK	Grand Turk	
GRTM	Round Top Mountain	
GRTR	Gornotajezhnoje	
GRUS	Gruza	
GRV	Greenville	
GRVM	Greaves Creek	
GRW	Mount Saint Catherine	
GRX	Grover	
GRY	Greymouth	
GRYON	Gryon	
GRZ	Great Barrier Island	
GS-	Grantsville	GS-MD
GSA	Caltech--GSA	
GSAR	Gosnell High Sch.	
GSC	Goldstone	
GSCK	Great Sitkin Cape Kiugilak	
GSCL	Gusciola	
GSCY	Girl Scout Camp	
GSGM	Seigler Mountain	
GSH	Grosshau	
GSI	Gunungsitoli	
GSIG	Igitkin Island	
GSM	Grass Mountain	
GSMB	CHITILA	
GS-MD	Grantsville	
GSMM	Socrates Mine	
GSMY	Great Sitkin Middle Yoke	
GSNM	Snow Mountain	
GSP	Gladstone Stream	
GSPH	General Santos City	
GSQ	Grosses Roches	
GSR	Geological Survey, Reston	
GSSM	Skaggs Springs	SKG
GSSP	Great Sitkin Saddle Point	
GSTB	Goldstream Park	
GSTD	Great Sitkin Triple Divide	
GSTR	Great Sitkin Teapot Rock	
GSUT	Gun Site Peak	
GSV	Goldstream Valley	
GSVT	Goldstream Valley	
GSZ	Glacier Shelter	
GT-	Galeton	GT-PA
GT2	Goat Mountain	
GTA	Gaotai	
GTBY	Guantanamo Bay	
GTC	Three Chop Ridge	
GTD	Georgetown	
GTK	Gangtok	
GTM	Goat Mountain	
GTMO	Guantanamo	
GTN	Gotemba	
GTO	Geraldton	
GTOI	Gorontalo	
GTP	General Santos	
GT-PA	Galeton	
GTR	Jabal at Tayr	
GTRI	Great Rift	
GTS	Gentvishi	
GTSM	Trough Springs	
GTT	Gottingen	
GTTG	Gvttingen	
GTTN	Green Top	
GTU	Guttu	
GTV	Cerro Toribio	
GTWN	Georgetown Playfield ANSS-SMO	
GUA	Guam	
GUAB	Guayabo de Bagaces	
GUAC	Guacamaya	
GUAL	Guallil	
GUAM	Guam	
GUAMO	Guam	
GUAN	Valle de Guanape	
GUAR	Guarcino	
GUAY	Guayacanes	
GUB	Guba	
GUD	Guadarrama	
GUDA	Gudauri	
GUDG	Gudauri	
GUI	Guimar	
GUIM	Jordan	
GUIV	Guiria	
GUL	Gulkana	
GULA	Gulagac	
GULE	Gulek	
GULT	Gulveren	
GULW	Guler Mountain	
GUM	Guadalajara	
GUM2	Guadalajara 2	
GUMA	Gualdo di Macerata	
GUMO	Guam	
GUMR	Gum-Bashi	
GUMT	Gumushane	
GUN	Gumba	
GUND	Gundaroo	
GUNV	Guanoco	
GUNZ	Gunzen	
GUO	Oaxaca	
GUR	Goura	
GURV	El Guri	
GUT	Gutenstein	
GUV	Guri	
GUV1	Guri Network	
GUV2	Guri Network	
GUV3	Guri Network	
GUV4	Guri Network	
GUV5	Guri Network	
GUVC	San Jose del Guaviare	
GV-	Grapevine	GV-TX
GVA	Apache Junction	
GVD	Gavdhos	
GVDA	Garner Valley	
GVDS	Gavdos	
GVI	Bet Guvrin	
GVL	Greenvale	
GVMR	Giv'at Hamore	
GVN	Grapevine	
GVR	Green Valley Road	
GVRC	Garvey Reservoir	
GVS	Graniteville	
GV-TX	Grapevine	
GVV	Valley View	
GWBC	Aumenau	
GWBE	Wiesbaden	
GWBF	Romrod	
GWC	Great Whale River	
GWDE	Greenwood	
GWF	Grand Wintersberg	
GWH	Guwahati	
GWJ	Greenwich	
GWKM	Walker Ridge	
GWR	Great Whale R.	PBQ
GWRM	Wonder Ranch	
GWV	Greenwater Valley	
GWY	Greenwater Valley	
GY-	Gaylord	GY-MN
GYA	Guiyang	
GYL	Gyula	
GYM	Guaymas	
GY-MN	Gaylord	
GYMZ	Gyumri	
GYN	Goynuk	
GYO	Guyot Hills	
GZH	Guangzhou	
GZI	Ganzirri	
GZLA	Gyzyletrek	
GZN	Ground Zero	
GZ-OH	Galion	
GZR	Gura Zlata	
GZS	Gozaisho	GOZ
GZT	Gaziantep	
GZTT	Gaziantep	
GZU	Grizzly Peak	
H02A	Toledo	
H03A	Soap Creek Ranch, Albany	
H04A	Detroit Lake	
H05A	Madras	
H06A	Lindquist Farm, Mitchell	
H06E		
H06N	Isla Socorro	
H06S		
H07A	Lands Inn, Kimberly	
H08A	Prairie City	
H09A	Durkee	
H10A	Noah's Angus Ranch, Cambridge	
H11A	Donnelly	
H12A	Diamond D Ranch, Stanley	
H13A	Challis	
H14A	Leadore	
H15A	Lima	
H16A	Russell Place, West Yellowstone	
H17A	Grant Village	
H18A	Shoshone NF, Cody	
H19A	Powell	
H20A	Greybull	
H21A	Big Horn, Sheridan	
H22A	Clearmont	
H23A	Clabaugh Cattle Company, Gillette	
H24A	Dirks Ranch, Alva	
H25A	Fruitdale	
H26A	Fairpoint	
H27A	Howes	
H28A	Mission Ridge	
H29A	Onida	
H2O	Hawaii-2 Observatory	
H2OWA	Water	
HAB	Haboro	
HABR	Khabarovsk	
HAC	Hachinohe	
HACH	Hacho	
HACJ	Hachinohe 2	
HAD	Hassan Addkhil	
HADB		
HADR		
HAE	Alders End	
HAF	Haifa	
HAG	Hague Volcano	
HAGA	Augusta	
HAGS	Hagol	
HAH	Hahryggur	
HAI	Haiwee	
HAIL	Harrisburg (Southeastern Illinois College)	
HAJJ	Hajjah	
HAK	Hakodate	
HAKJ	Hakodate 2	
HAKT	HAKKARI	
HAKY	Hadley Quad	
HAL	Halifax	
HALM	Halim	
HALT	Halls	
HALTI	Haltingen (BS)	
HAM	Hamburg	
HAMF	Hammerfest	
HAMM	Hamman Mousa	
HAMO	Hamaker Mountain	
HAN	Hanford	
HAO	Harrison Substation	
HAPS	Han Pijesak,BIH	
HAQS	Haql	
HAR	Hartford	
HARE	Harare	
HARI	Harich	
HARN	Harre	
HARP	HAARP	
HARR	Harsova	
HART	Harbor Island ANSS-SMO	
HARU	Harads	
HARZ	Haroharo	
HAS	Hastings	
HASLI	Hasliberg/Brienz	
HASS	Wahat al Ahsa'	
HAST	Hastings Reserve	
HASU	Hassela	
HAT	Hattorf	
HATC	Hat Creek Radio Observatory, Hat Creek	
HATD	Hatta, Dubai	
HATH	Hata	
HATI	Hayti	
HATJ	Hateruma jima	
HATZ	Hinemaiaia	
HAU	Haudompre	
HAV	Havilah	
HAVC	Havirov	
HAVE	Haverstraw	
HAVL	Avola	
HAVZ	Havza	
HAWA	Hanford	
HAWK	Haweek	
HAWT	Hathaway	
HAY	Hayfield	
HAYW	Haystack Fork	
HAZ	Te Kaha	
HAZM	Anzar Road	ANZ
HB-	Hobart (Okla)	HB-OK
HBA	Halley Bay	
HBAR	Harrisburg	
HBAZ	Herne Bay Borehole	
HBC	Horseshoe Bay	
HBD	Hovd	
HBDB	Hayseed and Buckwheat Dairy Farm	
HBF	Harts Bluff	
HBH	HawaiianBeaches	
HBL2	Bonnylands	
HBM	Hobart Mills	
HBMT	Mount Humbug	
HBNS	Bani@18 Suwayf	
HBO	Huckleberry Mountain	
HB-OK	Hobart	
HBR	Haibara	
HBRG	Burj al 'Arab	
HBST	Basata	
HBT	Hobart Mills	
HBTM	San Juan Bautista	
HBV	Harrisonburg	
HBV2	Hoa Binh	
HBVN	Hoa-Binh	
HBVT	Hinesburg	
HBZ	Hicks Bay	
HCA		
HCAM	Canada Road	CDC
HCAT		
HCBM	Chamberlain	CBC
HCC	Holy Cross	
HCG	Craig Goch	
HCI	Hatchie Coon Island	
HCK	Huntoon Valley	
HCNY	Howe Caverns	
HCO	Huanuco	
HCOM	Corn Cob Canyon	
HCPM	Crevison Peak	
HCR	Hot Creek Range	
HCRL	Carlentini	
HCRM	Chase Ranch	CSR
HCU	Horse Canyon	
HCY	Herceg Novi	
HCZM	Cordoza Dairy	
HD-	Howard	HD-PA
HDA	Harding Lake	
HDAN	Heda	
HDAR	W Memph W Sta	
HDB	Hidalgo Marine Base	
HDBT	Hernando Brdge	
HDC	Heredia	
HDC2	Heredia 2	
HDG	Hidalgo Mountain	
HDH	Heidenheim-Charlottenhoehle	
HDHB	Dhahab	
HDIL	Hopedale	
HDK	Hidaka	
HDK1	Dakhla	
HDK2	Wahat Dakhilah	
HDLM	Dillon Ranch	DIL
HDM	Haddam	
HDMB	Hadim	
HD-PA	Howard	
HDQ	Headquarters	
HDR	Hadrut	

Code	Station Name	Other
HDU	Hyde Park	
HDW	Hoodsport	
HE-	Hempstead	HE-TX
HEA	Headley	
HEB	Heber	
HEBO	Mount Hebo	
HEC	Hector,Ludlow	
HED	Hedekas	
HEDF	Idfu	
HEDN	Heda	
HEE	Heerlen	
HEF	Hetta	
HEI	Heidelberg (Koenigstuhl)	
HEL	Helsinki	
HELC	Santa Helena	
HELL	Mitchell Peak	
HEMU	Hemsoen	
HEN	Hengchun	
HENM	Henderson Mound	
HENT	Hendek	
HER	Hermanus	
HERB	Hercules	
HERM	Elkhorn Road	
HES	Velbert-Hespertal	
HET	Houston--Electro-Tech	
HE-TX	Hempstead	
HEX	Exmoor	
HEXM	Hexham	
HFA0	Hagfors New Array Site A0	
HFA1	Hagfors New Array Site A1	
HFA2	Hagfors New Array Site A2	
HFA3	Hagfors New Array Site A3	
HFB1	Hagfors New Array Site B1	
HFB2	Hagfors New Array Site B2	
HFB3	Hagfors New Array Site B3	
HFB4	Hagfors New Array Site B4	
HFB5	Hagfors New Array Site B5	
HFC2	Hagfors New Array Site C2	
HFEM	San Felipe	SFL
HFHM	Flint Hills	
HFPM	Fremont Peak	FRP
HFRF	Wahat Farafirah	
HFS	Hagfors	
HFSA1	Hagfors Array Site A1	
HFSB1	Hagfors Array Site B1	
HFSB2	Hagfors Array Site B2	
HFSB3	Hagfors Array Site B3	
HFSB4	Hagfors Array Site B4	
HFSB5	Hagfors Array Site B5	
HFSC1	Hagfors Array Site C1	
HFSC2	Hagfors Array Site C2	
HFSU	Holladay Fire Station, Holladay, Utah	
HGA	Collinsville	
HGB	Hanford Gable Butte	
HGH	Gray Hill	
HGJ	Hongo	
HGN	Heimansgroeve	
HGP	Huxley Gorge	
HGSM	Gilroy Springs	GHS
HGVB	Ha Giang	
HGVO	Hagersville	
HGWM	Gilroy West	
HH-	Hannah	HH-ND
HH2	Hannah	HH2ND
HH2ND	Hannah	
HHAG	Hagoal	
HHAI	Hells Half Acre	
HHAR	Hobbs	
HHC	Hu-ho-hao-te	
HHH	Horse Heaven Hills	
HHI	Harmony Heights	
HHM	Hungry Horse	
HH-ND	Hannah	
HHP	Hogget Hill	
HHR	Hinohara	
HHRG	Al Ghardaqah	
HHS	Hurricane	
HHSZ	Highcliff Hill	
HHT	Hurricane Hollow	
HHWY	High Hoyland	
HIA	Hailar	
HIC	Hidaka-Cho	
HICC	Highline Community College ANSS-SMO	
HICK	Hickman	
HID	Hamer Butte	
HIER	Hierbabuena	
HIG	Hawaii Institute of Geophysics	
HII	Heard Island	
HIK	Hikone	
HIKD	Hikinohira	
HIL	Hilo	
HILA	High Level	
HILG	Hillesheim	
HILS	Ha'il	
HIM	Himeji	
HIN	Hinchinbrook Island	
HINF	Hinteralfeld	
HINZ	Hinze Dam	
HIR	Hiroshima	
HIR1	Hiroshima	
HIRJ	Hiroshima 2	
HIS	Hisarcik	
HITJ	Hittiya	
HITZ	Hingarae	
HIZ	Hauiti	
HJA	Humahuaca	
HJGM	San Juan Grade	
HJH	Honjo	
HJJ	Hachijo jima	
HJSM	John Smith Road	
HJY	Honjo	HJH
HK-	Hawk Springs	HK-WY
HKAT	Jabal Katrina	
HKB	Herkenbosch	
HKC	Hong Kong Observatory	
HKCD	Cape D'Aguilar	
HKER	Hawker	
HKFR	Khafra	
HKI	Fushiki	
HKJ	Hokoriku	
HKL	Haleakala	
HKLI	Keung Shan	
HKLK	Luk Keng	
HKLM	Lead Mine Pass	
HKM	Hinckley	
HKN	Hawks Nest	
HKNS	Hadbat Hakran	
HKP	Hidden Lake	
HKPS	Hong Kong Po Shan	
HKR	Hakkari	
HKRM	Kincaid Ranch	
HKSL	Siu Lam	
HKT	Hockley	
HKWD	Heukewalde	
HK-WY	Hawk Springs	
HL-	Hailey	HL-ID
HL2	Hailey	HL2ID
HL2ID	Hailey	
HLA	Hall's Lagoon	
HLBJ	Hallabat	
HLD	Halaksitan	
HLE	Halle	
HLG	Helgoland	
HLGA	Haflong	
HLGC	Holguin	
HLH	Cerro de Hule	
HLID	Hailey	
HL-ID	Hailey	
HLJ	Hailstone	
HLK	Haleakala	
HLL	Cape Hallett	
HLLC	North Hollywood	
HLM	Helmville	
HLM1	Long Mynd	
HLN	Hualilan	
HLNC	Highland	
HLNI	Lentini	
HLP	Hilina Pali	
HLR	Highland Ranch	
HLRZ	Highlands Station	
HLS		
HLSB	Harrison Lake South	
HLT	Holt	
HLTM	Lone Tree Road	LTR
HLW	Helwan	
HLX	Hole	
HLZ	Helez	
HM-	Hundred Mile H.	HM-BC
HMA	Khanty-Mansiysk	
HMAT	Matruh	
HMB	Hamburg	
HMBC	Humberston	
HM-BC	100 Mile House	
HMC	Holland Mills	
HMCY	Holy Mount Cemetery	
HMD	Hamada	
HMDC	Modica	
HMDM	Hanimaadhoo	
HMDT	Nahal Hemdat	
HMG	Houelmont	
HMH	Humuula	
HMK	Himekami	
HML	Hamilton	
HML1	Hamley Bridge	
HMM	Hamamatsu	
HMMJ	Hamamatsu 2	
HMN	Homestead National Monument	
HMNA	Hamren	
HMNO	Mineo	
HMNT	Holman	
HMNX	Herstmonceux	
HMO	H. Mason	
HMOM	Monterey	MTR
HMR	Hamilton Ranch	
HMRJ	Hamra	
HMSA	Hans M'sky res	
HMSM	Jabal Masmas	
HMT	Hamilton	
HMTC	Hemet	
HMTD	Hikami	
HMTJ	Hamta	
HMTT	Tlapaneco	
HMU	Henry Mountain	
HMV1	Hindmarsh Valley	
HMYD	Mayadein	
HN-	Houlton	HN-ME
HNAT	Natroun	
HNAZ	Hnaberd	
HNB	Haney	
HNG	Hongo	
HNH	Hanover	
HNHZ	Havelock North	
HNKL	Nakhl	
HNL	Honolulu	
HNM	Heniu Mare	
HNME	Houlton	
HN-ME	Houlton	
HNMJ	Hino-misaki	
HNR	Honiara	
HNSH	Hunish Island	
HNTI	Hanita	
HNV	Hanoi	
HNY	Hamilton	
HNZ	Havelock North	
HOBC	El Hobo	
HOBG	Hohbusch	
HOCH	Hornopire@15n	
HOD	Hodge	
HOF	Hof	
HOFF	Hoffen	
HOG	Hogback Mountain	
HOGG	Hoggard's Bluff	
HOGH	Ho	
HOH	Hohenheim	
HOI	Hoima	
HOJ	Hope	
HOJA	Cerro de Hojas	
HOK	Hohkeppel	
HOKE	Hokigiyama	
HOL	Holguin	
HOLB	Holberg	
HOLC	Holcomb Ridge	
HOLY	Holy Rosary School	
HOM	Homer	
HOMB	Homborsund	
HOME	McLaughlin Mine	
HOMI	Horasan	
HON	Honolulu	
HONK	Hondo	
HONU	Honeyville	
HOO	Hiroo	
HOOD	Mount Hood Meadows	
HOOJ	Hiroo 2	
HOP	Hope Bay	
HOPB	Hope	
HOPE	Hope Point	
HOPEN	Hopen	
HOPM	Mount Hope	
HOPOS	Hopovo Monastery	
HOPS	Hopland	
HOPT	Hopper	
HOQ	Hoqain	
HOQC	Horqueta	
HOR	Horta	
HORH	Horominai	
HORM	O'Connell Ranch	OCR
HORN	Hornachuelos	
HORNC	Hornillas	
HORT	Hortiatis	
HORU	Horodok	
HOT	Hot Springs Mountain	
HOU	Houston	
HOW	Howrah	
HOWZ	Holdsworth Station	
HPAH	Hawaii Preparatory Academy	
HPAR	Pala Acreide	
HPE	Pembroke	
HPHM	Park Hill	PKH
HPI	Howe Peak	
HPIG		
HPK	Haverah Park	
HPKT	Knoxville	
HPLM	Pacheco Lake	PCL
HPLN	Hepburn Lake, NWT	
HPO	Honuapo	
HPP	Hepp	
HPRM	Peckham Road	PKC
HPU	Hale Pohaku	
HQL	Haql	
HQLS		
HQN	Harlequin Lake	
HQRH	Quien Sabe	QSR
HQRM		QSR
HQSR		
HR-	Heber	HR-AZ
HRAD	Harad	
HR-AZ	Heber	
HRB	Hurbanovo	
HRC	Harris Ranch	
HRD	Hirodai	
HRDDS		
HRDS	Abu Rudays	
HRF	Holter Research Foundation--Helena	
HRFI	Mount Harif	
HRG	Hirogawara	
HRH	Heinrich-Robert Mine	
HRI	Mount Hermon	
HRJ	Horyu	
HRK	Horoka	
HRM	Kawasaki	
HRMB	Harrison Mills	
HRMC	Merrill Creek	
HRMR	Khuramsha	
HRN	Horndal	
HRO	Hermiston	
HROE	Hohe Rhon--Flad	
HRRZ	Handcock Road	
HRSH	Kfar Ka'horesh	
HRT	Hereke	
HRTT	Hiratsu	
HRU	Hogsback Ridge	
HRUT	Hardware Ranch	HWUT
HRV	Adam Dziewonski Observatory	
HRY	Holter Research Foundation--York Bridge	
HS-	Hay Springs	HS-NB
HSA	Swansea	
HSAF	As Saff	
HSB	Akutan Spr's Bay	
HSFA	Helvecia	
HSFG		
HSFM	Saint Francis Retreat	
HSH	Hashikami	
HSHJ	Hashim	
HSHL	Bi'r Shalatayn	
HSI	Hsinkong	
HSIG		
HSJ	Hoshina	
HSK	Changchun	
HSLM	San Luis Dam	
HSMO	Haileybury School of Mines	
HSN	Hsinchu	
HS-NB	Hay Springs	
HSND	Hausen	
HSO	Harness Mountain	
HSP	Hornsund	
HSPB	Hornsund (broadband)	
HSPM	Sheep	
HSPR	La Hesperia	
HSR	South Ridge	
HSRS	Siracusa	
HSRZ	Hossack Road	
HSS	Hokkaido University	
HSW	Hot Spot	
HSY	Hisarkoy	
HT-	Hastings	HT-MN
HTC	Hot Caves	
HTCH	Hutch Mountain	
HTCR	Hilton Creek	
HTG	Hatgal	
HTK	Hotokeiwa	
HTL	Hartland	
HT-MN	Hastings	
HTMS	Hat Mesa	
HTN	Hohentengen	
HTQ	Hauterive	
HTR	Trewern Hill	
HTT	Hallett	
HTU	Hoyt Peak	
HTW	Haystack Lookout	
HTY	Hatay	
HUA	Huancayo	
HUAR	Huara	
HUBA	Hudson Bay High School ANSS-SMO	
HUCH	Huasco	
HUDU	Hudiksvall	
HUEN		
HUES	Huehuecho	
HUG	Huitzitzil	
HUH	Hualalai	
HUIG	Huatulco	
HUL	Heiheiahulu	
HUMM	Hume Dam	
HUMO	Hull Mountain	
HUMP	Col San Antonio	
HUMR	Humele	
HUN	Hundersingen	
HUNY	Huinay	
HUO	Hudson	
HUOR	Husband	
HUR	Hurricane	
HURP	Huarmaca	
HUSU	Husum	
HUTI	Huta Ginjang	
HUTZ	Huka	
HUV	Hue	
HUZ	Huaraz	
HV-	Havre	HV-MA
HVA	Hanceville	
HVAR	Hvar	
HVC	Hernandez Valley	
HVD	Gariep Dam	
HVK	Hallstavik	
HVL	Huntoon Valley	
HV-MA	Havre	
HVO	Hawaiian Volcano	UWE
HVS	Khovu-Aksy	
HVU	Hansel Valley	
HVZN	Vizzini	
HW-	Hawaii Isl. Ar.	HW-IS
HWA	Hwalien	
HWAP	Hualien Port	
HWB	Hans Werner Braun Residence, San Diego	
HWD	Hollywood	
HWF	Haulerwijk	
HWF1	Haulerwijk	
HWF2	Haulerwijk	
HWF3	Haulerwijk	
HWF4	Haulerwijk	
HW-IS	Hawaii Isl. Ar.	
HWK	Hiawatha	
HWKN	Hawk's Nest	
HWQ	Hawqa	
HWSI	Howe Scarp	
HWSM	Haiwee Spring South	
HWTS	Hohenwarte Talsperre	
HWUT	Hardware Ranch	
HWV	Hinton	
HWYS	Al Hawiyah	
HWZ	Hwange	
HXI	Guiyang	GYA
HY-	Hysham	HY-MA
HYA	Hoyanger	
HYB	Hyderabad	
HYBB	Hyderabad (broadband)	
HYC	Haney	
HYD	Hyderabad	
HYF	Humbligny	
HY-MA	Hysham	
HYS	Haystack Butte	
HYT	Haines Junction	
HYX	Hoyt Mine	
HZA	Huzimizaka	
I02A	Mapleton	
I02AR	USHUAIA INFRASONIC ARRAY REFERENCE POINT	
I03A	Eugene	
I04A	Tendick Farm, Oakridge	
I04AU	SHANNON INFRASONIC ARRAY REFERENCE POINT	
I05A	Bend	
I05AU	HOBART INFRASONIC ARRAY REFERENCE POINT	
I06A	Prineville	
I07A	Izee	
I07AU	WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	
I08A	Drewsey	
I08BO	LAS PENAS INFRASONIC ARRAY REFERENCE POINT	
I09A	Lost Marbles Ranch, Westfall	
I09BR	BRASILIA INFRASONIC ARRAY REFERENCE POINT	
I10A	Payette	
I10CA	LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	
I11A	Placerville	
I11CV	MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT	
I12A	Atlanta	
I13A	Wildhorse Creek, Mackay	
I13CL	EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	
I14A	Mackay	
I14CL	ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT	
I15A	Monteview	
I16A	Newdale	
I17A	Pilgrim Ck.	
I17CI	DIMBOKRO INFRASONIC ARRAY REFERENCE POINT	
I18A	Diamond G Ranch, Dubois	
I18DK	QAANAAQ INFRASONIC ARRAY REFERENCE POINT	
I19A	Meeteetse	
I20A	Worland	
I21A	Big Trails, Ten Sleep	

Code	Station Name	Other
I21FR	MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	
I22A	9 Mile Ranch, Kaycee	
I22FR	PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	
I23A	Meade Ranch, Gillette	
I23FR	KERGUELEN INFRASONIC ARRAY REFERENCE POINT	
I24A	Kuemmerle Ranch, Upton	
I24FR	TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	
I25A	Rochford	
I26A	New Underwood	
I26DE	FREYUNG INFRASONIC ARRAY REFERENCE POINT	
I27A	Quinn	
I27DE	GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	
I28A	Midland	
I29A	Vivian Onida	
I30A	Oacoma	
I30JP	ISUMI INFRASONIC ARRAY REFERENCE POINT	
I31KZ	AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	
I32KE	NAIROBI INFRASONIC ARRAY REFERENCE POINT	
I33MG	ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT	
I34MN	SONGINO INFRASONIC ARRAY REFERENCE POINT	
I35NA	TSUMEB INFRASONIC ARRAY REFERENCE POINT	
I36NZ	CHATHAM INFRASONIC ARRAY REFERENCE POINT	
I39PW	PALAU INFRASONIC ARRAY REFERENCE POINT	
I41PY	VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	
I42PT	GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	
I43RU	DUBNA INFRASONIC ARRAY REFERENCE POINT	
I44RU	ROPAVLOVSK-KAMCHATSKY KY INFRASONIC ARRAY REFERENCE POINT	
I45RU	USSURIYSK INFRASONIC ARRAY REFERENCE POINT	
I46RU	ZALESOVO INFRASONIC ARRAY REFERENCE POINT	
I47ZA	BOSHOF INFRASONIC ARRAY REFERENCE POINT	
I48TN	KESRA INFRASONIC ARRAY REFERENCE POINT	
I49GB	TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	
I50GB	ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	
I51GB	BERMUDA INFRASONIC ARRAY REFERENCE POINT	
I52GB	DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	
I53US	FAIRBANKS INFRASONIC ARRAY REFERENCE POINT	
I55US	WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	
I56US	NEWPORT INFRASONIC ARRAY REFERENCE POINT	
I57US	PINON FLAT INFRASONIC ARRAY REFERENCE POINT	
I59US	HAWAII INFRASONIC ARRAY REFERENCE POINT	
IAA	In Amguel	
IACL	Alicudi	
IACM	Heraklion	
IADA	Aoalbol	
IAE	Cedar City, Iron County	
IAFJ	Afjeh	
IAG	Institut Agronomique	
IAKL	Akhelmad	
IALA	Alasht	
IAND	Andimeshk	
IANJ	Anjilo	
IAS	Iasi	
IASB	A@15sbjarnarstat ir	
IASK	Askja	
IASM	Asmuli	
IASO	Asolfsskalaheidi	
IAV	Isla Aves	
IAZR	Azarshahr	
IBAF	Bafgh	
IBAR	Ibarra	
IBAV	Isla La Blanquilla	
IBBN	Ibbenburen	
IBDR	Badra	
IBJA	Bjarnastaoir	
IBK	Innsbruck	
IBND	Bandar-abas	
IBP	Imperial Boulder Park	
IBRE	Brettingsstaoir	
IBRJ	Brojen	
IBRU	Bruarjokull	
IBST	Bostanabad	
IBU	Ibuki Yama	
IBZA	Bozab	
IC-	Ice Cap	IC-GL
ICA	Ica	
ICC	Iquique	
ICCO	Coco Island	
IC-GL	Ice Cap	
ICH	Ichihara	
ICHK	Chekchek	
ICI	Italian Canyon	
ICM	Isla Caja Muertos	
ICMP	Isla Caja de Muertos, Puerto Rico	
ICO	Isla del Coco	
ICQ	Pointe Anglais	
ICR	Volcan Irazu	
ICU	Indian Springs Canyon	
ICY	Ichiyama	
ID1	Idaho Array 1	
ID2	Idaho Array 2	
ID3	Idaho Array 3	
ID4	Idaho Array 4	
ID5	Idaho Array 5	
IDA	Idaho Array	
IDAH	Dahanechah	
IDC	Isla del Cano	
IDE	Isla Desecheo	
IDGL	Inch Island, Co Donegal	
IDHR	Dehrash	
IDI	Anoyia	
IDID	Didziasalis	
IDIM	Dimmadalsˆ¡s	
IDJZ	Idjevan	
IDMV	Damavand	
IDOB	Doab	
IDR	Idriss Premier	
IDSA	Dashabbas	
IECU	Ecuador Network	
IELO	Elcoad	
IEMG	Emamgholi	
IENR	Iengra	
IEPA	Eparoz	
IESK	Eystri-Skogar	
IESO	Jesolo	
IFAG	Fagurholsmyri	
IFIL	Filicudi I Eolie	
IFIR	Firoozkooh	
IFLA	Flatey	
IFR	Ifrane	
IFTB	Fath-abad	
IGAB	Igarata	
IGAR	Gharneh	
IGBI	Denpasar	
IGGU	Iggoen	
IGHA	Grjothals	
IGHG	Ghaleghazi	
IGHS	Grjothals	
IGIG	Irapuato, Guanajuato	
IGIL	Gilhagi	
IGL	Igloolik	
IGLA	Glengowla, Co Galway	
IGLN	Igloolik	
IGLO	Ghaloghah	
IGLU	Glumsstadir	
IGM	Isla Guadalupe	
IGOD	Go??abunga	
IGR	Igron	
IGRA	Granastaoir	
IGRF	Grimsfjall	
IGRI	Grimsey	
IGRS	Grimsstaoir	
IGRV	Grindav??k	
IGT	Igoumenitsa	
IGUA	Igualata	
IGYG	Gygjarholskot	
IGZV	Ghazvin	
IHA	Instituto Hidrografico de la Armada	
IHAU	Haukadalur	
IHC	Ixhuatan	
IHED	Heoinshofoi	
IHEI	Heioarbar	
IHLA	Hella	
IHLN	Indian Hill Lake	
IHOS	Hoseineyeh	
IHR	Ishihara	
IHRN	Hraun	
IHRS	Heris	
IHSB	Hasanabad	
IHSH	Hashtrud	
IHVA	Hvannstoosfjoll	
IHVE	Hveravellir	
IHVO	Lagu-Hvolar	
IIA	Altzomoni	
IIB	San Bernardino	
IIC	Rita Coyotepec	
IID	Iida	
IIDJ	Iida	
IIGN	Ignalina	
III	Iguala	
IIJ	Jocotitlan	
IIM	Instituto de Ingenieria, UNAM	
IIO	Organos	
IIP	El Pino	
IIS	IISEE	
IISM	Ciudad Serdan	
IIT	Tonantzintla	
IIZ	Mezontepec	
IJDJ	Iida	IIDJ
IJF	Islas Juan Fernandez	
IK-	Ink	IK-AR
IKAL	Kalfafell	
IKAR	Kharkheh	
IK-AR	Ink	
IKAS	Kald??rsel	
IKAZ	Kazeroun	
IKFM	Kafar-mosalman	
IKIA	Kiasar	
IKJ	Ikusaka	
IKL	Isikli	
IKLH	Kolahrood	
IKMR	Kamar-syah	
IKOM	Komasi	
IKOO	Kooshah	
IKP	Inkopah	
IKRD	Kardeh	
IKRE	Kreppuhraun	
IKRI	Krysuvik	
IKRK	Kirkuk	
IKRO	Krokur	
IKUD	Kuludalsa	
IKVO	Krokottuvotn	
IKZ	Isoka	
IL01		IL1
IL02	Eielson Array Site 2	
IL03	Eielson Array Site 3	
IL04	Eielson Array Site 4	
IL05	Eielson Array Site 5	
IL06	Eielson Array Site 6	
IL07	Eielson Array Site 7	
IL08	Eielson Array Site 8	
IL09	Eielson Array Site 9	
IL1	Eielson Array Site 1	
IL10	Eielson Array Site 10	
IL11	Eielson Array Site 11	
IL12	Eielson Array Site 12	
IL13	Eielson Array Site 13	
IL14	Eielson Array Site 14	
IL15	Eielson Array Site 15	
IL16	Eielson Array Site 16	
IL17	Eielson Array Site 17	
IL18	Eielson Array Site 18	
IL19	Eielson Array Site 19	
IL31		ILB
ILA	Ilan	
ILAR	Eielson Array Beam Reference Point	
ILAS	Lasjerd	
ILB	Eielson Array Broadband	ILAR
ILCA	Isla Las Cabras	
ILCH	Illapel	
ILEI	Leirhofn	
ILG	Inge Lehmann	IC-GL
ILGA	Ilgaz	
ILI	Ili	
ILIC	ilic-Erzincan	
ILIM	Iliamna	
ILIN	Lien	
ILIQ	Lip Q Pani IE	
ILKN	Indian Lake	
ILM	Iliamna	
ILMG	Lip M Gallina IE	
ILN	Island Lagoon	
ILO	Iloilo	
ILOC	Iloca	
ILON	Igloolik, Nunavut	
ILS	Iliamna Low South	
ILT	Iul'tin	
ILUG	Ilulissat, Greenland	
ILULI	Ilulissat	
ILW	Iliamna West	
IM01	Indian Mountain Array Site 1	
IM02	Indian Mountain Array Site 2	
IM03		IM3
IM04	Indian Mountain Array Site 4	
IM05	Indian Mountain Array Site 5	
IM3	Indian Mountain Array Site 3	
IMA	Indian Mountain	
IMA2	Indian Mountain	
IMAH	Mahabad	
IMAR	Indian Mountain Array Beam Reference Point	
IMAT	Imadeyama	
IMEH	Mehriz	
IMEL	Melhnausar	
IMG	Imagane	
IMHD	Mahdasht	
IMI	Imperia	
IMID	Miomork	
IMIN	Minoodasht	
IMJ	Imajo	
IMK	Imi Mikki	
IMKO	Mokollar	
IML	Ismayilli	
IMM	Islas Marias	
IMMV	Iera Moni Metamorfosis, Varipetro, Chania, Crete	
IMND	Minoodasht	
IMO	Isla Mona	
IMOB	Isla Mona	
IMOG	Moghan	
IMOK	Mouk	
IMOL	Imola, Italy	
IMON	Monand	
IMOV	Isla Los Monjes	
IMP	Imphal	
IMPR	Mona Island, PR	
IMR	Isla Mona	
IMRD	Marand	
IMS	Imsbach	
IMT	Isola di Marettimo	
IMU	Iron Mountain	
IMW	Indian Meadow	
IMYA	Miami	
IN1	Indiana Array	
IN2	Indiana Array	
IN3	Indiana Array	
IN4	Indiana Array	
INA	Iinan	
INB	Inubo	
INC	Inchon	
INCN	Inchon	
INCR	INCERC-Sediu Central	
IND	Independence	
INDC	Indio Hills	
INDN	Indianola	
INE	Iliamna NE	
INF	Infanta	
ING	Ingram Ranch	
INGI	Ingas	
INH	Isangel	
INK	Inuvik	
INMG	Instituto de Meteorologia, Lisbon	
INMK	Ichinomiya	
INN	Innsbruck	
INPP	Ignalina Nuclear	
INR	Itanagar	
INS	Inspiration	
INSR	Institute	
INTR	Introdacqua	
INTV	Intevep	
INU	Inuyama	
INUQ	Inukjuak	
INV	Inveralochy	
INVG	Invergeldie, Comrie	
INW	Iliamna NW	
INY	Ithaca	
INYL	Nylenda	
INZ	Inchbonnie	
IO-	Ione	IO-NV
IOCA	Ischia Osservatorio Casamicciola	
IO-NV	Ione	
IPA	Ipanguacu	
IPAN	Panarea IE	
IPAR	Pars	
IPAY	Payeh	
IPE	Ipeti	
IPES	Pescosannita	
IPIL	Ipil	
IPIR	Pirpir	
IPM	Ipoh	
IPOZ	Pozzuoli	
IPRE	Itoiz	
IPRN	Peran	
IQHU	Qucahn	
IQOM	Qom	
IQQ	Iquique	
IR1	Iran Long-Period Array	
IR2	Iran Long-Period Array	
IR2C	Iron Canyon	
IR3	Iran Long-Period Array	
IR4	Iran Long-Period Array	
IR5	Iran Long-Period Array	
IR6	Iran Long-Period Array	
IR7	Iran Long-Period Array	
IRAM	Ramesheh	
IRAZ	Razeghan	
IRC	Iron Canyon	
IRCI	INEL Research	
IREN	Reynihlio	
IRI	Irimote jima	
IRIF	Iriomote-Funauki	
IRJU	Rjupnafell	
IRK	Irkutsk	
IRM	Iron Mountain Pumping Sta,Desert Center	
IRN	Iron Mountains	
IRNE	Reykjanes	
IRO	Indian Ridge	
IRS	Iris	
IRSH	Iranshahr	
IRZ	Volcan Irazu	
IRZ2	Volcan Irazu 2	
ISA	Isabella	
ISAD	Sadrabad	
ISAL	Salakas	
ISAN	Sandskeio	
ISAU	Saurbar	
ISAV	Santa Isabel	
ISCO	Idaho Springs	
ISE	Ise	
ISF	Isfjord	
ISFB	Sefidab	
ISFR	Sfrayin	
ISH	Ishtion	
ISHB	Shabestar	
ISHM	Shahmirzad	
ISHO	Shoshtar	
ISHR	Shahran	
ISHV	Shirvan	
ISI	Ishigaki jima	
ISIG	Siglufjorour	
ISIK	Ishii	
ISK	Istanbul-Kandilli	
ISKI	Skildingahˆ‡Ishraun	
ISKR	Skrokkalda	
ISL	Ismayilll	
ISLE	Juniper Island	
ISLN	Salina IE	
ISLY	Slysaalda	
ISM	Ismayilli	
ISMJ	Smjorgil	
ISN	Ishinomaki	
ISNB	Snabyli	
ISNN	Isanotski North	
ISO	Isola	
ISOG	Isortoq, Greenland	
ISOL	Solvholt	
ISOR	Termini	
ISP	Isparta	
ISPL	Str Punta Lena IE	
ISPT	Isla de la Plata	
ISQ	Mount Isa	
ISR	Istrita	
ISRB	Sarab	
ISRF	Istric ta	
ISRO	Mashad	
ISRV	Sarvestan	
ISSF	Issarbe	
IST	Istanbul	
IST1	Istanbul	
ISTK	Isanotski	
ISU	Indiana State University	
ISVA	Svartarkot	
ITA	Itatiaia	
ITB	Itaipu	
ITB1	Itaipu 1	
ITB7	Itaipu 7	
ITBT	Itumba	
ITBZ	Tabriz	
ITD	Itadori	
ITEG	Tejag	
ITEV	Isla Los Testigos	
ITG	Itzapa	
ITGE	Itoigawa	
ITH	Ithaca	
ITHO	Ithomi	
ITKT	Itaka	
ITM	Ithomi	
ITO	Ito	
ITR	Itaparica	
ITU	Istanbul	
ITZ	Itezhi-Tezhi	
IUNC	Unciti	
IUSE	Utxeti	
IVA	Berane	
IVAG	Clark Hill Reservoir	
IVAS	Ivanjica	
IVAT	Vatnsfell	

Code	Station Name	Other
IVCR	Vulcano Cr IE	
IVE	Iliamna Volcano East	
IVES	Vestmannaeyjar	
IVF	Ivanof Bay	
IVI	Ivigtut	
IVIS	Veis	
IVIV	IVIC	
IVKQ	Ivujivik	
IVLT	Vulcano Lentia IE	
IVN	Inveralochy	
IVOG	Vogar	
IVOS	Vogsosar	
IVRN	Varamin	
IVS	Iliamna South	
IVSH	V-Sauoahnukur	
IVSM	Inverness	
IVT	Ira	
IVUG	Vulcano Grillo IE	
IVY	Inveralochy	
IWEX	Carrickbyrne, Co Wexford	
IWJ	Iwai-Kita	
IWK	Iwaki	
IWN	Iwanai	
IWO	Iwaosan	
IWT	Iwatsuki	
IXC	Ixtacomitan	
IXG	Ixpaco	
IXT	Ixtapalapa	
IZAR	Zarasai	
IZEF	Zefreh	
IZI	Iznik	
IZK	Iizuka	
IZM	Izmir	
IZMH	Iizume	
IZN	Iznik	
IZT	Izumi	
IZU	Izuhara	
IZU2	Izuhara 2	
IZUJ	Izuhara	
IZUN	Zunzarren	
J02A	Umpqua	
J03A	Ideyld Park	
J04A	Umpqua National Forest, Toketee	
J05A	Fort Rock	
J06A	Christmas Valley	
J07A	Hines	
J08A	Circle Bar Ranch, Crane	
J09A	Fry Pan Ranch, Harper	
J10A	Berg Farm, Melba	
J12A	Stokes Ranch, Hill City	
J13A	Cove Ranch, Picabo	
J14A	Carey	
J15A	Blackfoot	
J16A	Bone	
J17A	Brown Place, Jackson	
J18A	Kendall Valley, Cora	
J19A	Crowheart	
J20A	Shoshoni	
J21A	Lysite	
J22A	Midwest	
J23A	Dilts Ranch, Bill	
J24A	Dixon Ranch, Lance Creek	
J25A	Sunshine Ranch, Edgemont	
J26A	Sides Ranch, Smithwick	
J27A	Elkhorn Farm, Martin	
J28A	Allard Ranch, Norris	
J29A	Okreek	
J30A	Dallas	
JA-	Jasper	JA-MN
JAA	Atsumi	
JAB	Ashibetsu	
JAC	Jacksonville	
JACH	Jahuel	
JACV	Jacura	
JAD	Aida	
JAG	Ashikaga	
JAGI	Jajag, Banyuwangi	
JAGN	Aguni-jima	
JAH	Hinai	
JAI	Aioi	
JAJ	Awaji shima	
JAJ2	Tsuna	
JAK	Akkeshi	
JAKH	Jacmel	
JALM	Almaden	AMC
JAM	Amami Oshima	
JAMA	Jama	
JAMN	Amaminishikomi	
JA-MN	Jasper	
JAN	Janina	
JAND	Jandula	
JANG	Nango	
JAO	Obara	
JAQ	La Grande 3	
JAR	Ashorobuto	
JARJ	Jarash	
JAS	Jamestown	
JAS1	Jamestown	
JASL	Jaisalmer	
JAT	Jato	
JATB	Jatai	
JAU	Jaout	
JAUF	Jausiers	
JAVC	Velka Javorina	
JAVS	Javornik	
JAW	Awa shima	
JAWL	J.Aulia	
JAY	Jayapura	
JAZS	Jizan	
JBB	Jbel Babet	
JBBQ	Temiscaming	
JBCM	Bear Creek Road	LT15
JBEP	Beppuamama	
JBGM	Bear Gulch	BGH
JBLM	Camp Ben Lomond	
JBMM	Black Mountain	
JBO	Jordan Butte	
JBP	Jabalpur	
JBQ	La Grande 3	
JBRM	Jenolan Black	
JBT	Biratori	
JBT2	Biratori 2	
JBZM	Buzzard Lagoon Road	
JCBM	Chesbro Res.	CBO
JCC	Jacoby Creek	
JCE1	John's Creek	
JCH	Churui	
JCHM	Cahill Ridge	
JCJI	Jatiwangi	
JCK	Jackerath	
JCM	Jocotitlan	
JCMO	Jefferson College	
JCN	Nagara	
JCNB	Joaquin Canyon North	
JCPM	Coyote Point	
JCQ	La Grande 3	
JCR	Jicaral	
JCSB	Joaquin Canyon South	
JCT	Junction City	
JCW	Jim Creek	
JCZ	Jackson Bay	
JDC	Jersey Dam (Crest)	
JDG	Jersey Dam (Gallery)	
JDN	Jardin	
JDRJ	Daraweish	JRDJ
JE-	Jena (USA)	JE-LA
JECI	Jenson Cabin	
JECM	Eureka Canyon	EUC
JEF	Cerro Jefe	
JEG	Eigenji	
JEGM	El Granada	
JEHI	Jehsanih	
JE-LA	Jena	
JELM	Ellicott	
JEM	Erimo	
JEN	Jena	
JENM	Jeeralang Junction	
JER	Jerusalem	
JERN	Jeri Cho Mine, NWT	
JET	Tanbara	
JEW	Eniwo	
JFA	Akaike	
JFI	Itaya	
JFK	Kawauchi	
JFM	Mihama	
JFO	Juiz de Fora	
JFR	Furan	
JFS	Joseph F. Staten	
JFT	Otama	
JFU	Fukue jima 2	
JFWS	Jewell Farm	
JFY	Yanaizu	
JGF	Kuroka	
JGI	Juniper Gulch	
JGK	Kuni	
JGM	Miyama	
JGN	Niukaw	
JGT	Gotsu	
JHA	Jbel Lahdid	
JHBN	Jahan bin	
JHC	Johnson Canyon	
JHCJ	Hachijojimakashitate	
JHD	Hondo	
JHE	Heguri	
JHG	Hegura jima	
JHHJ	Haha-jima-NKT	
JHI	Jorhat	
JHIK	Hikimi	
JHJ	Hachijo jima 2	
JHJ2	Mitsune	
JHK	Hiroka	
JHLM	Holstrom Ranch	
JHLN	Al Jahlan	
JHM	Kurahashi	
JHMK	Hamakita	
JHN	Johnson	
JHNI	Jhansi	
JHO	Hitachi	
JHP	Judd Hill Plantation	
JHPM	Huddart Park	
JHR	Hokuryu	
JHRM	Jahrom	
JHS	Saijyo	
JHT	Toyohira	
JHU	Hanno	
JHY	Hiyama	
JIDR	Jimani	
JIE	Ise	
JIG	Jinotega	
JIH	Iheya	
JII	Iki	
JIJ	Ishigaki jima 2	
JIKM	Ikemajima	
JIL	Jilotepec	
JIM	O shima 2	
JIM2	Oshima 3	
JIN	Jindabyne	
JIND	Jindrichovice	
JIO	Ouri	
JIRB	Irabujima	
JIRN	Jiri	
JIS	Juneau Island	
JISG	Ishigakijimahirakubo	
JIU	Izumi	
JIU2	Izumi 2	
JIW	Iwasaki	
JIZ	Nakaizu	
JIZN	Jizan	
JIZS	Izushimoda	
JIZZ	Izumozaki	
JJG	Jouge	
JJH	Hakui	
JJK	Kushima	
JJN	Nakama	
JJO	Oda	
JJRM	Joaquin Road	
JJS	Sakaide	
JJT	Tamagu	
JJT2	Tamagusuku 2	
JKA	Kamikawa-asahi	
JKB	Kayabe	
JKC	Kuchinoerabu	
JKD	Kudamatsu	
JKE	Kume jima 2	
JKG	Kaga	
JKI	Kunimi	
JKIT	Kitakata	
JKJ	Kijyo	
JKK	Kamikawa	
JKK2	Kamakawa 2	
JKKG	Kakegawa	
JKM	Jackman	
JKN	Kiinagashima	
JKN2	Miekihoku	
JKO	Kozu shima	
JKR	Kurayoshi	
JKRS	Kuro-shima	
JKS	Kasai	
JKSM	Kasumi	
JKT	Katashina	
JKU	Kubokawa	
JKY	Yasaka	
JKZ	Kuzumaki	
JLDW	Jackson Lake Dam	
JLK	June Lake	
JLOS		
JLP	Les Platons	
JLPM	Loma Prieta	
JLTM	Los Trancos	LTW
JLU	Jordanelle	
JLXM	Lexington Res.	LXR
JMAG	Jamag	
JMB	Yambol	
JMBI	JAMBI	
JMD	Masuda	
JMDO	Jabal Madar	
JMG	Jumaytepeque	
JMGM	Milagra Ridge	MGA
JMH	Hososhima	
JMI	Jan Mayen	
JMIC	Jan Mayen	
JMIK	Miki	
JMJ	Miyako jima 2	
JMK	Ichinoseki	
JMM	Marumori	
JMN	Monobe	
JMOS	Jabal al Moallq	
JMP	Maruseppu	
JMPM	Menlo Park	
JMQS	Jabal Moqyreh	
JMT	Mikata	
JMU	Jammu	
JMY	Miyakejima3	
JMZ	Minamidaito 2	
JN-	Johnston I.	JN-IS
JNA	Nagahama	
JNAM	New Almaden Mine	
JNAR	Kushima--Naru	
JNB	Noboribetsu	
JNBK	Urakawa-nobuka	
JNE	Jan Mayen East	
JNG	Nsakai	
JNH	Juniper Hills	
JNI	Jehonathan	
JNIO	Niijimaoohara	
JN-IS	Johnston Island	
JNJ	Junjel	
JNK	Nakash	
JNL	Jenolan Caves	
JNM	Ikuma	
JNN	Nakanoshima	
JNS	Sasagawa	
JNT	Takato	
JNTH	Nagotoyohara	
JNU	Nakatsue	
JNW	Jan Mayen West	
JNY	Yasuok	
JO-	Jordan	JO-MN
JOAQ	Joaquin Lookout	
JOB	Onbets	
JOD	Odawara	
JOD2	Odawara 2	
JOE	Joensuu	
JOF	Joensuu	
JOG	Oga	
JOG2	Oga 2	
JOGS	Gusukube	
JOH	Johannesburg	
JOHAN	St. Johann (BS)	
JOHN	Johnston Island	
JOK	Jbel Ouklim	
JOKE	Okinoerabujima	
JOL	Jolon Road	
JOM	Ohasama	
JO-MN	Jordan	
JON	Johnnie	
JOPP	Joppolo	
JOR	Okushj	
JOR1	San Jorge 1	
JORD		
JORG	San Jorge	
JORV	Jorden Valley SMO	
JOS	Josvafo	
JOSI	Joshimath	
JOSM	Okushiri--Matsue	
JOSN	Second Sedna Site,Hudson Bay	
JOT	Ohata	
JOU	Okura	
JOW	Kunigami	
JOZ	Jozini	
JP-	Jasper	JP-AT
JP-AT	Jasper	
JPK	Jack Peak	
JPLM	Pleasant Valley	PEV
JPPM	Portola Park	LT3
JPRM	Presidio of San Francisco	
JPSM		PSD
JQE	Queens East	
JQX	Jiquilpan	
JR-	Jerome	JR-AZ
JRA	Rausu	
JR-AZ	Jerome	
JRBB	Jordan River	
JRDJ	Daraweish	
JRG	Rokugo	
JRGM	Rodeo Gulch Road	
JRO	Jston Ridge Obs	
JRQG	Juriquilla Campus	
JRR	Rishiri	
JRRM	Redwood Retreat	
JRS	Jersey	
JRSC	Jasper Ridge	
JRSJ	J Risha	
JRTX	Jordan Ranch	
JRWM	Joshua Ridge West	
JRY	Ryogami san	
JS-	Jackson	JS-TN
JSA	Saint Aubin	
JSAM	San Andreas	SAC
JSB	Shiboa	
JSBM	San Bruno Mountain	
JSC	Jenkinsville	
JSCM	Stevens Creek	SEC
JSD	Sado	
JSE	Soyaes	
JSFM	Stanford	SFT
JSG	Sagara	
JSGM		SGC
JSH	Shimam	
JSI	Shiura	
JSI2	Shiura 2	
JSJ	Shimokoshiki	
JSJM	St Joseph	SJH
JSK	Shakotan	
JSLM	San Andreas Lake	
JSM	Jim Sage Mountain	
JSMM	Sawmill Road	
JSOJ	Natural Resources Authority	
JSR	Shiriuchi	
JSRW	J. Sargeant Reynolds Community College	
JSS	Shosan	
JSSM	Soda Springs	SOS
JSTM	Santa Teresa Hills	
JS-TN	Jackson	
JSU	Suzuyama	
JSZ	Suzu	
JTA	Tamana	
JTAJ	Takarajima	
JTB	Tobi-shima	
JTG	Taga	
JTGM	Trout Gulch Road	
JTH	Tanohata	
JTJ	Tarama	
JTK	Tokunoshima	
JTKR	Abashiri--Tokoro	
JTM	Tenmabayashi	
JTMT	Jette	
JTN	Tanegashima 3	
JTO	Tosashimizu	
JTR	Joshua Tree Park	
JTRM	Los Trancos Road	
JTS	JuntasAbangares	
JTSN	Tsuno	
JTSR	Tashiro 2	
JTT	Ttatey	
JTU	Tsushima	
JTY	Toyota	
JTZ	Takazaki	
JU-	Juno	JU-TX
JUA2	San Juan 2	
JUAN	San Juan	
JUBA	Jubany	
JUCM	University of California, Santa Cruz	
JUD	Juan Diaz	
JUD2	Juan Diaz 2	
JUE	Julich	
JUG	Jugenheim	
JUI3	Juive 3	
JUI6	Juive	
JUIV	Juive	
JUJ	Jujuy	
JULC	Julian	
JUM	Jug	
JUMM	Mount Umunhum	
JUND	Jungingen	
JUQB	Juquia	
JUR	Ureshino	
JUS	Usuki	
JU-TX	Juno	
JVI	Jordan Valley	
JVM	Valle D.L. Mare	
JVW	Jocassee View	
JWA	Jwalamukhi	
JWK	Wakkake-Misaki	
JWK2	Keihoku	
JWL	Jwalamukhi	
JWM	Minabe	
JWSM	Woodside	WDS
JWT	Wachi	
JWY	Kouya	
JWZ	Kozaga	
JYA	Atsumi	
JYAK	Yakushimahirauchi	
JYG	Yagishiri	
JYJ	Yonaguni jima 2	
JYK	Kaneyama	
JYM	Yakumo	
JYM2	Yakumo 2	
JYN	Shimob	
JYNG	Yonagunijimakubura	
JYO	Yokosk	
JYP	Jyotipuram	
JYS	Shirataka	
JYSA		
JYT	Yasato	
JYW	Yuwa	
JYZW	Yoshizawa	
JZK	Kikaishima	
JZO	Okuchi	
K01	Nishinai	
K01A	Sixes	
K02	Yamasaki	
K02A	Glendale	
K03	Shimotochinai	
K04	Kokoji	
K04A	Chilquin	
K05	Ishipane	
K05A	Summer Lake	
K06	Arakawa	
K06A	Valley Falls	
K07	Kotohata	
K07A	Rock Creek Ranch, Frenchglen	
K08	Monomi-yama	
K08A	Mann Creek Ranch, Princeton	
K09	Ooide	
K09A	Rome	
K10	Oonodaira	
K10A	MacKenzie Ranch, Jordan Valley	
K11	Fujikirizawa	
K11A	Parker Ranch, Bruneau	
K12	Koide	
K12A	Draper Farm, Castleford	
K13A	Stover Farm, Hazelton	
K14A	Jones Ranch, Declo	
K15A	Arbon	
K16A	Soda Springs	
K17A	Gardner Place, Afton	
K18A	Toltan Ranch, Big Piney	
K19A	Absolon Red Butte, Lander	
K20A	Yellowstone Ranch, Lander	

Code	*Station Name*	*Other*
K21A	Alcova	
K22A	Casper	
K23A	Bowen Ranch, Douglas	
K24A	Anderson Ranch, Keeline	
K25A	Mack Ranch, Harrison	
K26A	Motz Farm, Whitney	
K27A	Flueckinger Farm, Gordon	
K28A	Ten Mile Ranch, Cody	
K29A	Lazy Trails Angus Ranch, Wood Lake	
K30A	Basset	
KAA	Karratha	
KAAM	Kaadhehdhoo	
KAAO	Kabul (SRO)	KBL
KAAZ	Kauri Point	
KAB	Kabansk	
KABR	Katmai Barrier Ridge	
KABU	Katmai Buttress	
KAC	Achnashellach	
KACW	Kace¯ov	
KAD	Karad	
KADD	Katsuyama	
KAE	Kaena	
KAF	Kangasniemi	
KAG	Kagoshima	
KAGJ	Kagoshima 2	
KAH	Kaushut	
KAHC	Katmai Hardscrabble Creek	
KAHG	Katmai Hook Glacier	
KAHT	Ahir Dag	
KAHZ	Kahuranaki	
KAI	Kaimata	
KAIC	Katmai Ikagluik Creek	
KAIM	Kayak Island	
KAJ	Kashiwara	
KAJD	Katsuyama	
KAK	Kakioka	
KAKA	Kakadu	
KAKJ	Kakioka Outpost	
KAKN	Katmai Knife Crk	
KAL	Kalocsa	
KALE	Kalithea	
KALG	Kalgarh	
KALI	Kaliastana	
KALP	Kalibo	
KALU	Kalix	
KAM	Kameyama	
KAMOR	Kamor	
KAMR	Kamenskoye	
KAMRY	Kamaran Island	
KAMS	Al Khamasin	
KAMT	Kaman	
KAMZ	Kamo	
KAN	Kanazawa	
KAN2	Kanazawa 2	
KAND	Kocaeli-Kandira	
KANH	Kanahau	
KANJ	Kanazawa	
KANM	Kanangra Walls	
KANO	Kano Inlet	
KANT	Kantara	
KAO	Kapuskasing	
KAP	Karpathos	
KAPH	Katmai Pasha	
KAPI	Kappang	
KAPO	Kapuskasing	
KAPZ	Kaputan	
KAQ	La Grande 4	
KAR	Karachi	
KAR1	Arisaig	
KARA	Karaisali	
KARD	Karad	
KARJ		
KARN	Karanos	
KARP	Karpathos	
KARR	Katmai Rainbow River	
KARS	Kars	
KART	Kargi	
KARZ	Kaharoa	
KAS	Kastamonu	
KASI	Kota Agung	
KASO	Kasabonika Lake, First Nations Ontario	
KAST	KASTAMONU	
KAT	Kizyl-Arvat	
KATZ	Kakaramea	
KAU	Kaohsiung	
KAUP	Kaohsiung Port	
KAV	Kavieng	
KAVA	Kavala	
KAVZ	Karewarewa	
KAWH	Katmai	
KAY	Katlanovo	
KAZ	Karuizawa	
KBA	Koelnbreinsperre	
KBAZ	Karaka Road Borehole	
KBB	Kelsey Bay	
KBBA	Kibumba	
KBBM	Bear Butte	
KBC	Kumba	
KBD	Kabd	
KBDG	Kleinbodungen	
KBE	Kobe	
KBF	Kyburz Flat	
KBG	Krutoberegovo	
KBH	Kobugahara	
KBI	Kettle Butte	
KBI1	Birley Grange	
KBJ	Kelbejer	
KBK	Karagaybulak	
KBKI	Kotabaru	
KBL	Kabul	
KBM	Katmai Bkd Mtn	
KBN	Korca	
KBNM	Bluenose Ridge	
KBO	Bosley Butte	
KBQ	La Grande 4	
KBR	Kanchanaburi	
KBRM	Barry Ridge	
KBRS	Khaybar	
KBS	Kingsbay	
KBSD	Kabsdagh	
KBSM	Bell Springs	
KBT	Komakuk Beach	
KBTI	Kibati	
KBTR	Krutoberegovo 1	
KBY	Kobayashi Ranch	
KBZ	Khabaz	
KBZS	Brezje pri Sen	
KC-	Kansas City	KC-MO
KCA	Cave	
KCC	Kaiser Creek	
KCE	Katmai Mt Cerb's	
KCG	Knife Ck. Glacier	
KCH	Monts Chateau	
KCHT	Kechabta	
KCI	Kelly Canyon	
KCM	Kilenge	
KC-MO	Kansas City	
KCN	Ketchikan	
KCP	Kidapawan	
KCPM	Cahto Peak	
KCQ	La Grande 4	
KCRM	Chalk Rock	
KCSI	Kotacane, Aceh	
KCSM	Cold Springs	
KCT	Karacabey	
KCTM	Capetown	
KCTX	Karacabey (Bursa)	
KCY	Kuchiyama	
KD1	Kodiak	
KD2	Kodiak	
KD3	Kodiak	
KDA	Kuranda	
KDAG	Bornova	
KDAK	Kodiak Island	
KDB	Konedobu	
KDC	Kodiak Island	
KDE	Karadeniz	
KDG	Kedougou	KED
KDHN	Kadinhani	
KDI	Kendari	
KDK	Khodzhikent	
KDKW	Coast Env Seattle	
KDM	Kudat	
KDMR	Kurdemir	
KDN	Kodinsk	
KDR	Kadzharan	
KDS	Kedougou	
KDT	Kodera	
KDU	Kakadu	
KDUT	Kidman Hollow	
KDV	Kandavu Island	
KDZ	Kurdzhali	
KDZE	Karadeniz Ereoli	
KE-	Kennewick	KE-WA
KEA	Kealakomo	
KEB	Keban	
KEBB	NEPTUNE Canada Endeavour West	
KEBM	Edson Butte	
KEC	Kecskemet	
KECS	Kecovo	
KED	Kedougou	
KED*	Kedougou	KDS
KEDI	Kedomdong	
KEE	Keen Camp Maintenance Station	
KEEL	Keeler	
KEF	Keuruu	
KEG	Kottamaia	
KEH	Kehvi	
KEIM	Keimoes	
KEK	Kerkira	
KEKH	Kekaha	
KEKT	Kekliktepe	
KEL	Kelud	
KELA	Mount Kelaz	
KELB	Kelsey	
KELC	Kelly Hill Caves	
KELI	Kelakatan	
KELR	Kotokel	
KELT	Kelkit	
KEM	Kemerovo	
KEMA	Kemaliye	
KEMF	NEPTUNE Canada Main Field	
KEMO	NEPTUNE Canada Mothra	
KEN	Kenai	
KENC	Cerro Kenedy	
KEP	King Edward Point	
KEPZ	Antalya-Kepez	
KER	Kermanshah	
KERA	Keramoti	
KERG	Konya-Eregli	
KERI	Keren	
KERU	Kerch	
KES	Ksar Es Souk	HAD
KESN	Edirne-Kesan	
KEST	Kesra	
KESW	Keswick, Cumbria	
KET	Keravat	
KETZ	Ketetahi	
KEUT	Kanab	
KEV	Kevo	
KEV1	Kevo	
KEW	Kew	
KE-WA	Kennewick	
KEWM	Kewanee	
KEY	Kluane	
KEY1	Keyworth	
KEY2	Keyworth	
KFA	Klagenfurt	
KFAL	Klamath Falls	
KFC	Kentfield	
KFH	Kaoiki Faults	
KFJS		
KFL	Anninata	
KFNJ	Kafrein	
KFO	Klamath Falls	
KFPM	Farley Peak	
KFRA	Kufra	
KFTR	Kaftarguzar	
KFU	Kofu	
KG-	Kingman	KG-AZ
KG-AS	Kingman	
KG-AZ	Kingman	
KGD	Kothagudem	
KGF	KGF	
KGI	Kellogg	
KGJ	Kitakami	
KGL	Cahul	
KGM	Kluang	
KGMK	Kamigamo	
KGMM	Grouse Mountain	
KGN	Komagane	
KGNI	Kongan	
KGNO	Kingston	
KGR	Kogok River	
KGT	Karabiga	
KGUR	Krasnodar	
KGW	Kakegawa	
KH-	Kohls Ranch	KH-AZ
KHA	Khancoban	
KHAL	Karahalli	
KHAT	Khait	
KH-AZ	Kohls Ranch	
KHB	Jabal al Khashab	
KHBM	Hayfork Bally	
KHBR	Khabarovsk	
KHC	Kasperske Hory	
KHE	Kheis	
KHEL	Khelvachauri	
KHET	Khetri	
KHEZ	Kahui Hut	
KHF	Khenifra	
KHG	Khandyga	
KHGB	Koh Gabri	
KHI	Kakhk	
KHIT	Khitrov Hills	
KHJ	Kushihara	
KHK	Keihoku	
KHKI	Kahang-Kahang	
KHL	Karahalli	
KHLM	Kholmsk	
KHM	Kohima	
KHMM	Horse Mountain	
KHMZ	Khomeyn	
KHN	Khani	
KHNR	Khani	
KHO	Khorog	
KHR	Khorongon	
KHS	Khaishi	
KHSK	Kohestak	
KHT	Khao Laem Dam	
KHU	Kahuku	
KHUM	Khumson	
KHVA	Khvani	
KHVB	Wang Home	
KHZ	Kahutara	
KIA	Kiara Terrace	
KIAG	Kiagna River	
KIAM	Kaiam	
KIB	El Ksiba	
KIBK	Kibwezi	
KIC	Kosan Boka	
KICM	Kanaga Island Cape Miga	
KIE	Kermit	
KIEV	Kiev	
KIF	Kilpisjarvi	
KIG	Kigali	
KIH	Kanekii	
KII	Karymskiy	
KIJ	Kawah Idjen	
KIJV	Kijevo	
KIK	Kika Raxquin	
KIKV	Kanaga Island Kanaga Volcano	
KIL	Kilembe	
KILO	Kirkland Lake	
KIM	Kimberley	
KIMB	Kimball Elementary School	
KIMD	Kanaga Island MID Benchmark	
KIMR	Kitsap County Moderate Risk Waste Facility	
KIN	Kingston	
KINC	Kanaga Island North Cape	
KING	Kindia	
KINR	Kitsap County North Road Shed	
KIP	Kipapa	
KIPH	Kalayaan	
KIPM	Iron Peak	
KIR	Kiruna	
KIRH	Kanaga Island Round Head	
KIRR	Kirishev	
KIRV	Kirov	
KIS	Kishinev	
KISE	Kishinomiya	
KISK	Kishima-dake	
KIT	Kermit	
KIT*	Kaitaia	
KITD	Kitadake	
KITH	Kitausu	
KITP	Kitsap County Wastewater Treatment Plant	
KIV	Kislovodsk	
KIV0	Kislovodsk Array Site 0	KVAR
KIV1	Kislovodsk Array Site 1	
KIV2	Kislovodsk Array Site 2	
KIV3	Kislovodsk Array Site 3	
KIW	Kapiti Island	
KIWB	Kanaga Island Westway Bight	
KIY	Kiyosumi	
KIYI	Yal¯–koy-Catalca	
KIZ	Kirchzarten	
KIZK	Mersin	
KIZT	Kizilcal	
KJA	Kiajanaja	
KJAB	KAMANJAB	
KJF	Kajaani	
KJJM	Johnny Jack Ridge	
KJL	Kejulik	
KJN	Kajaani	
KK01	Karatay Array site	
KK02	Karatay Array site	
KK03	Karatay Array site	
KK04	Karatay Array site	
KK05	Karatay Array site	
KK06	Karatay Array site	
KK07	Karatay Array site	
KK08	Karatay Array site	
KK09	Karatay Array site	
KK31	Karatay Array site	
KKAR	Karatay Array	
KKB	Krupnik	
KKD	Korintji-Dempo	
KKG	Kukul	
KKGU	Kamikuga	
KKH	Kailua Kona	
KKHI	Kotkhai	
KKI	Karkar Island	
KKJ	Kaminokuni	
KKL	Karkaralinsk	
KKM	Kota Kinabalu	
KKN	Kakani	
KKPM	Kettenpom Peak	
KKR	Kurukshetra	
KKS	Kukesi	
KKSI	Kolaka, Sulawesi	
KKT	Kermit	
KKTK	Khon Kaen	
KKU	Keanakolu	
KKUL	Konya-Kulu	
KKW	Kainokawa	
KKY	Kaikoura West	
KKZ	Kaikoura	
KLB	Kellerberrin	
KLBO	Killbear Provincial Park	
KLBR	Kellerberrin	
KLC	Kirkland Lake	
KLCH	Kalalua Cone	
KLD	Kalaidasht	
KLDN	Kaloudiana Chania	
KLG	Kalgoorlie	
KLGA	Kalgoorlie	
KLH	Kapapala Ranch	
KLI	Kotabumi	
KLJ	Keetly	
KLK	Kealakekua	
KLKU	Kulkuduk	
KLL	Kalltalsperre	
KLM	Kuala Lumpur	
KLMR	Klimovskoe	
KLN	McKendrick Lake	
KLNB	Kelsey New	
KLNI	Mataram	
KLNR	Kaliningrad	
KLO	Kirkland Lake	
KLOF	Kloof	
KLP	Kalpa	
KLR	Kul'dur	
KLS	Karlskrona	
KLSI		
KLT	Keltepe	
KLU	Klutina	
KLUP	Keelung Port	
KLV	Kalavryta, Achaia	
KLY	Klyuchi	
KLYT	Kilyos	
KM-	Kramer	KM-CL
KM2	Kermit	
KM3	Kermit	
KM5	Kermit	
KM6	Kermit	
KM9	Kermit	
KMA	Kami	
KMB	Kimbe	
KMBE	Kimbe	
KMBL	Kambalda	
KMBO	Kilima Mbogo	
KMC	Kompina	
KM-CL	Kramer	
KMD	Komatsu	
KME	Kermit	
KMER	Konya-Meram	
KMF	Kamafusa	
KMG	Kumagaya	
KMGE	Kuromamegawa	
KMGR	Komgaron	
KMH	Puu Kamoamoa	
KMI	Kunming	
KMIS	Kosovska,, Mitrovica	
KMJ	Kume jima	
KMJD	Komatsu	
KMK	Kamakura	
KMKR	Kumukh	
KML	Kamuela	
KMM	Kamigamo	
KMMI	Kalianget	
KMN	Kumano	
KMNK	Kaminaka	
KMNR	Kamenistaya	
KMO	Kumora	
KMOR	Kings Mountain	
KMP	Kimball Pass	
KMPD	K-Podol'skiy	
KMPI	Kaimana, Papua	
KMPM	Mount Pierce	
KMR	Kremsmunster	
KMRM	Mail Ridge	
KMRS	Kahramanmaras	
KMRZ	Kaimai	
KMS	Karamursel	
KMSA	Khamasin	
KMSC	Kings Mountain	
KMSG	Kumisi	
KMSI	Cibinong	
KMSK	Kamenskaya	
KMSR	Komsomolskaya	
KMST		
KMT	Kinomoto	
KMTA	Khamis Mushayt	
KMTI	Karmit	
KMTU	Khamis Mushayt	KMTA
KMU	Kamikineusu	
KMV	Keen Mountain	
KMY	Karmoy	
KMYN	Kameyama	
KMZ	Kasempa	
KN-	Kanab	KN-UT
KNA	Kununurra	
KNB	Kanab	
KND	Kandira	
KNDC	Almaty	
KNDN	Kennady Lake	
KNDR	Palaiochora Chania	
KNDS	Knez@19ji Dol	
KNEL	Kent Elementary ANSS-SMO	
KNG	Konigsberg	
KNH	Kipuka Nene	
KNHH	Kane Nui o Hamo	
KNI	Koyna Nagar	
KNIM	Knight Island	
KNJ	Kinomoto	KMT
KNJD	Kanaihara	
KNK	Knik Glacier	
KNM	Kinmen	
KNMB	Chin-men Tao	
KNN	Kunene	
KNO	Knox Ranch	
KNP	Kunneppu	

Code	Station Name	Other
KNR	Kangurt	
KNR1	Nevis Range	
KNRA	Kununurra	
KNS	Konitsa	
KNT	Kendrikon	
KNTN	Kanton	
KN-UT	Kanab	
KNW	Konawaena	
KNY	Kanayama	
KNZ	Kokohu	
KOA	Kobuan	
KOB	Kobe	
KOC	Kochi	
KOCW	Kopaniny	
KOD	Kodaikanal	
KOE	Koeppel	
KOF	Kofu	
KOFP	Flat Point	
KOG	Kourou	
KOGH	Koforidua	
KOGS	Kog	
KOH	Kohala	
KOHB	KOHEUNG	
KOI	Khonsa	
KOID	Koike	
KOK	Koryaka	
KOKL	Mount Kliuchef	
KOKV	Korovin Volcano	
KOL	Kolay	
KOLH	KOLHAPUR, MAHARASTRA	
KOLL	Kolacno	
KOLN	Koldanda	
KOLS	Kolonicke sedlo	
KOM	Komaba	
KOMA	Komarou	
KOMG	Komaggas	
KOMM	Orleans Mountain	
KOMS	Komsomolabad	
KOMT	Akitakoma	
KON	Kongsberg	KONO
KONE	Korovin Northeast	
KONH	Konpirayama	
KONO	Kongsberg	
KONS	Konsvik	
KONT	Konya--Tatoy	
KONW	Korovin Northwest	
KOOC	Abou Kooc	
KOPT	Kop Dagi	
KOR	Koror	
KORK	Korkuteli	
KORR	Kora	
KORT	Korkueli	
KORU	Korolevo	
KOS	Kosmodemyansk	
KOSE	Korovin Southeast	
KOSI	Kohlern	
KOSW	Kosmos	
KOT	Kottamia	
KOTI	Kothi	
KOU	Koumac	
KOUM	Koumaradei	
KOW	Kowen Forest	
KOWA	Kowa	
KOWE	Korovin West	
KOWM	Kowarra	
KOY	Koyama	
KOZ	Kozyrevsk	
KOZ*	Kozyr	KOZR
KOZJ	Kozjak Brana	
KOZR	Kozyr	
KOZT	Kozan	
KOZTB	Kozan	
KPA	Kalaupapa	
KPAM	Keepit Dam	
KPB	Port Bizet	
KPC	Khapcheranga	
KPD	Port Douzieme	
KPE	Price	
KPH	Kaena Point	
KPJ	Monastery St. Joachim Osogovski	
KPJI	Karang Pucung	
KPK	Kanaka Peak	
KPL	Plockton	
KPN	Kupiano	
KPNG	Kappang	
KP-NV	Kawich Peak	
KPO	Kapoho	
KPPM	Pickett Peak	
KPR	KrasnayaPolyana	
KPRO	Kipourio	
KPT	Kopyto	
KPTM	Keepit Bedrock	
KR-	Crane	KR-OR
KRA	Krakow	
KRAI	Karang Ratu	
KRAM	Krabesse	
KRAR	Krasnoyarsk	
KRB	Kariba Dam	
KRBA	Kerman	
KRBG	Karabiga-Canakkale	
KRBR	Kerman	
KRC	King Ranch	
KRCT	Kiractepe	
KRCW	Kraslice	
KRD	Kurday	
KRDT	Erzincan	
KRE	Kure	
KRER	Koryakskii	
KRF	Krasnovodsk	
KRG	Kerema	
KRH	Kirikhan	
KRHZ	Kereru	
KRI	Karoi	
KRIS	Kristallenia	
KRIT	Krib	
KRJ	Kamimuroga	
KRJI	Kerinci	
KRK	Kirkenes	
KRKI	Karangkates	
KRKL	Karaikal	
KRKM	Rackout Springs	
KRL	Karlsruhe	
KRLC	Kraliky	
KRM	Kurmenty	
KRMB	Red Mountain	
KRMI	Paran Flat	
KRMM	Red Mountain	
KRMR	Karymshinskiy	
KRMZ	Karmrakar	
KRN	Kronoki	
KRNA	Kawich Range	
KRND	KRANIDI	
KRNR	Karanay	
KRO	Koro	
KR-OR	Crane	
KROS	Kirovskiy	
KRP	Karapiro	
KRPM	Rodgers	
KRPT	Karpathos	
KRR	Karoi	
KRS	Krasnogorka	
KRSR	Krestovskiy	
KRT	Keravat	
KRTS	Karatas	
KRTT	Kurtkulagi	
KRU	Karasu	
KRUC	Moravsky	
KRUS	Krusevo	
KRV	Ganja	
KRVZ	Karewarewa	
KRW	Karlsruhe West	
KRX	Arik	
KRY	Koidern River	
KRYG	Kurzu	
KRZ	Karuizawa	KAZ
KS01	Wonju Array Site 1	
KS02	Wonju Array Site 2	
KS03	Wonju Array Site 3	
KS04	Wonju Array Site 4	
KS05	Wonju Array Site 5	
KS06	Wonju Array Site 6	
KS07	Wonju Array Site 7	
KS08	Wonju Array Site 8	
KS09	Wonju Array Site 9	
KS10	Wonju Array Site 10	
KS11	Wonju Array Site 11	
KS12	Wonju Array Site 12	
KS13	Wonju Array Site 13	
KS14	Wonju Array Site 14	
KS15	Wonju Array Sites 15 and 31	
KS16	Wonju Array Site 16	
KS17	Wonju Array Site 17	
KS18	Wonju Array Site 18	
KS19	Wonju Array Site 19	
KS32	Wonju Array Site 32	
KS33	Wonju Array Site 33	
KS34	Wonju Array Site 34	
KS35	Wonju Array Site 35	
KS36	Wonju Array Site 36	
KS37	Wonju Array Site 37	
KSA	Ksara	
KSADO	Andong	
KSAND	Andong	
KSANM	Anmyeondo	
KSAR	Wonju Array Beam Reference Point	
KSB	Sheil Bridge	
KSBAR	Backryungdo	
KSBON	Boeun	
KSBRD	Baengnyeongdo	
KSBSA	Busan_acc	
KSBUS	Busan	
KSBUY	BUYEO	
KSCEA	Cheonan	
KSCEJ	CHEONGJU	
KSCHC	Chuncheon	
KSCHI	Jinju	
KSCHJ	Chungju	
KSCHO	Jeonju	
KSCHR	CHANGNYEONG	
KSCHS	CHEONGSONG	
KSCHW	Cheorwon	
KSCHY	BONGHWA	
KSCIG	Chilgok	
KSCM	Snow Cap Mountain	
KSCO	Kaye Shedlock's, Cheyenne Wells	
KSCPN	Chupungnyeong	
KSCPR	CHUPUNGNYEONG	
KSCWO	Cheorwon	
KSD	Kokstad	
KSDAG	Daegu	
KSDAU	Deagu-acc	
KSDDC	Dongducheon	
KSDEI	Deokjeokdo	
KSDGY	Daegwallycong	
KSDI	Kefar Szold	
KSEUS	ULSEONG	
KSGAH	Ganghwa	
KSGBI	Gyogryolbido	
KSGIC	Gimchen	
KSGOS	Gosan	
KSGSG	Gangseo	
KSGUM	GUMI	
KSGUS	GUNSAN	
KSGWJ	Gwangju-acc	
KSGWL	Sabuk	
KSH	Kashi	
KSHAC	HAPCHEON	
KSHAD	HADONG	
KSHAN	Haenam	
KSHJ	Kshj	
KSHT	Keshet	
KSHUK	Heuksando	
KSI	Kapahiang	
KSICN	Icheon	
KSIJA	INJE	
KSIMS	Imsil	
KSINC	Incheon	
KSJ	Kashima	
KSJAH	Jangheung	
KSJAS	Jangsu	
KSJDO	Jindo	
KSJEC	Jecheon	
KSJEO	Jeonju	
KSJES	JEONGSEON	
KSJEU	Jeongeup	
KSJIN	Jinju	
KSJJU	Jeju	
KSJMJ	Jumunjin	
KSJUR	Jungrangju	
KSK	Scoval	
KSKAN	Gangneung	
KSKCH	Geochang	
KSKMS	Keumsan	
KSKOH	Goheung	
KSKOJ	Gongju	
KSKUC	Geochang	
KSKUS	Gunsan	
KSKWJ	Gwangju	
KSL	Kastellorizon	
KSLI	Kharsali	
KSM	Kuching	
KSMAS	Masan	
KSMGY	Mungyeong	
KSMIY	MIRYANG	
KSMM	Slide Mountain	
KSMOK	Mokpo	
KSMOP	Mokpo	
KSMR	Kasumkent	
KSMUG	Mungyeong	
KSMUS	Musan	
KSN	Kinkasan	
KSNAH	Namhae	
KSNAJ	Naju	
KSNAW	Namwon	
KSNOW	Nowan	
KSO	Kastoria	
KSP	Ksiaz	
KSPA	Keystone College	
KSPHA	Pohang	
KSPM	Sherwood Peak	
KSPOH	Pohang	
KSPOR	Boryeong	
KSPUA	Buan	
KSPYC	Pyeongchang	
KSR	Koster	
KSRS	Korea Array	
KSRV	Kasrt alli	
KSSAC	SANCHEONG	
KSSAJ	Sangju	
KSSCH	SUNCHEON	
KSSEO	Seoul	
KSSES	Seosan	
KSSGP	Seogwipo	
KSSKC	Sokcho	
KSSOC	Sokcho	
KSSOD	Songwoldong	
KSSSP	Seongsanpo	
KSSWO	Suwon	
KST	Kastek	
KSTBA	Taebaek	
KSTEJ	Daejeon	
KSTL	Kastelli Heraklio	
KSTOH	DONGHAE	
KSTOY	TONGYEONG	
KSU	Koussour	
KSU1	Kansas State University--Konza Prairie	
KSUJ	Kushiro	KUSJ
KSULJ	Uljin	
KSULL	Ulleungdo	
KSULS	Ulsan	
KSUO	Kent State University	
KSUSN	Ulsan	
KSV	Kosov	
KSVO	Keeseville	
KSVV	Ky Son	
KSWAN	Wando	
KSWJU	Wonju	
KSWON	Wonju	
KSWY	Kelly School	
KSXB	Camp Six Broadband	
KSXM	Camp Six	
KSY	Syston	
KSYAP	YANGPYEONG	
KSYCH	Yecheon	
KSYOC	YEONGCHEON	
KSYOD	Yeongdeok	
KSYOJ	YEONGJU	
KSYOS	Yeosu	
KSYOW	Yeongwol	
KSYSU	YEOSU	
KT1	Kermit	
KT2	Kermit	
KT3	Kermit	
KT4	Kermit	
KT5	Kermit	
KT7	Kermit	
KT8	Kermit	
KT9	Kermit	
KTA	Kotzebue	
KTD	Kalmit	
KTE	Kermit	
KTG	Kap Tobin	
KTG1	Tilbrook Grange	
KTGM	Kuala Trengganu	
KTH	Kantishna Hills	
KTHR	Kythira	
KTI	Kastanea	
KTJ	Kamata	
KTJD	Kamitakara	
KTJJ	Kamata 2	
KTK1	Kautokeino	
KTK2	Kautokeino	
KTK3	Kautokeino	
KTK4	Kautokeino	
KTK5	Kautokeino	
KTK6	Kautokeino	
KTL	Katale	
KTLM	Kings Tableland	
KTM	Katmai	
KTMO	Khatum	
KTMY	Kuala Trengganu	KTGM
KTN	Katrineberg	
KTNK	Katano	
KTNR	Kaitanak	
KTR	Katsuura	
KTRM	Thompson Ridge	
KTRR	Kuturchin	
KTT	Kermit	KIT
KTUT	Trabzon	
KTX	Kermit	
KTZ	Kutztown	
KU1	Kurvinen	
KU2	Taivalkoski	
KU3	Posio	
KU4	Liikasenvaara	
KU5	Karpankyla	
KU6	Riekki	
KU7	Kasma	
KU8	KU8	
KUA	Kurravaara	
KUB	Quba	
KUBR	Kubataba	
KUBS	Kucevo	
KUC	Kucino	
KUDL	Kundal	
KUF	Ufford	
KUG	Kupang	
KUGN	Kugaaruk Camp, Nunavut	
KUH	Kaapuna	
KUK	Kukurantumi	
KUKN	Kugluktuk,NWT	
KUL	Kulyab	
KULA	Kula-Manisa	
KULG	Kulusuk, Greenland	
KULLO	Kullorsuaq	
KULM	Kulim	
KULT	Kultieth River Mountain	
KULU	Kulu	
KUM	Kumamoto	
KUM*	Kumora	KMO
KUMJ	Kumamoto 2	
KUMR	Kumaryk	
KUN	Kunming	KMI
KUP	Kupang	
KUPN	Kupiano	
KUPT	Kupang	KUG
KUQ	Kuujjuuaa	
KUR	Kuril'sk	
KUR01	Kurchatov Array Site 1	
KUR02	Kurchatov Array Site 2	
KUR03	Kurchatov Array Site 3	
KUR04	Kurchatov Array Site 4	
KUR05	Kurchatov Array Site 5	
KUR06	Kurchatov Array Site 6	
KUR07	Kurchatov Array Site 7	
KUR08	Kurchatov Array Site 8	
KUR09	Kurchatov Array Site 9	
KUR10	Kurchatov Array Site 10	
KUR11	Kurchatov Array Site 11	
KUR12	Kurchatov Array Site 12	
KUR13	Kurchatov Array Site 13	
KUR14	Kurchatov Array Site 14	
KUR15	Kurchatov Array Site 15	
KUR16	Kurchatov Array Site 16	
KUR17	Kurchatov Array Site 17	
KUR18	Kurchatov Array Site 18	
KUR19	Kurchatov Array Site 19	
KUR20	Kurchatov Array Site 20	
KUR21	Kurchatov Array Site 21	
KURBB	Kurchatov Array	
KURK	Kurchatov	
KUS	Kushiro	
KUSJ	Kushiro	
KUT	Kutsugahara	
KUTA	Kuta	
KUTZ	Kaahu Road	
KUU	Kurty	
KUZ	Kuaotunu	
KUZU	Kuzuini	
KV-	Keg River	KV-AT
KV01	Kirishima Volcano	
KV02	Kamimonzen	
KV03	Oonami West	
KV04	Kurino-dake	
KV05	Oonami East	
KV06	Karakunidake	
KV09	Okamoto-Ura	
KV11	Takachiho West	
KV12	Sinyu	
KV91	Ura	
KVAR	Kislovodsk Array Beam Reference Point	
KV-AT	Keg River	
KVC	Kvetna	
KVG	Kavieng	
KVN	Kaiserville	
KVO	Kovokta	
KVR	Kavouri	
KVT	Kavak	
KVTA	Katmai Vly 10 NE	
KVTX	Kingsville	
KWA	Guiyang	GYA
KWAJ	Kwajalein Atoll	
KWE	Weaver Farm	
KWHZ	Kaweka Forest	
KWJ	Kawai	
KWNG	Kwanting	
KWP	Kalwaria Paclawska	
KWT	Kawatabi	
KWZ	Kawazu	
KYA	Kyakhta	
KYJ	Kuroyon	
KYK	Kayak Island	
KYL	Kyle	
KYM	Kumisi	
KYO	Kyoto	
KYP	Key Point	
KYR	Kayrak	
KYS	Kiyosumi	
KYTD	Kurayoshi	
KYTH	Kithira	
KYZD	Kyzyldzhar	
KZA	Kyzart	
KZAD	Kyzyl-Adyr	
KZAG	Qyzylaghash	
KZI	Kaziranga	
KZIT	Kziot	
KZJ	Kashiwa-zaki	
KZK	Kashiwa-zaki	
KZL	Kozel'skiy	
KZLR	Kyzyl	
KZM	Kalamazoo	
KZN	Kozani	
KZR	Kazreti	
KZT	Kanzaki	
KZV	Kizimen	
KZW	Kaizawa	
L02A	Cave Junction	
L04A	Klamath Falls	
L05A	Lakeview	
L07A	Adell	
L08A	Fields	
L09A	Wilkinson Ranch, McDermitt	
L10A	Juniper Basin Ranch, Riddle	
L11A	Cat Creek Ranch, Riddle	
L12A	House Creek Ranch, Rogerson	
L13A	Double Diamond Ranch, Oakley	
L14A	Malta	
L15A	Malad City	
L16A	Fish Haven	
L17A	Cokeville	
L18A	Fontenelle, Green River	

Code	*Station Name*	*Other*
L19A	Farson	
L20A	Wamsutter	
L21A	Rawlins	
L22A	Ellis Ranch, Medicine Bow	
L23A	Garrett	
L24A	Wheatland	
L25A	Engebretsen Ranch, Morrill	
L26A	Underwood Farm, Alliance	
L27A	T5 Ranch, Ellsworth	
L28A	Connealy Angus Ranch, Whitman	
L29A	Maesberg Ranch, Thedford	
L30A	Spencer Herefords Ranch, Brewster	
L31A	Butterfield Farm, Chambers	
L6KY	Lock 6	
LA-	Lafayette	LA-GA
LA0	Lasa Array	LAO
LAA	Little America	
LAB	Little Aspen Butte	
LABF	Labassere	
LABG	Labe	
LAC	Landers	
LACH	Col Las Americas	
LACI	Lac	
LACL	Lacq	
LACR	Lac	
LACU	La Cuchilla	
LACW	Lazy	
LAD	Ladron Mountain	
LADA	La Danta	
LADK	Ladik-KONYA	
LADO	San Nicola dell'Alto	
LAE	Lae	
LAF	Lafayette	
LAG	Langila	
LA-GA	Lafayette	
LAGL	Lagor	
LAGM	Oaxaca	
LAGU	Laguneta	
LAGV	Lagunillas	
LAH	Lahore	
LAIN	Lailor River, Nunavut	
LAJ	Bijagual	
LAK	Lawrence	
LAKA	Lakka	
LAL	Leola	
LALZ	Loma Alta	
LAMM	Antelope Mountain	
LAN	Lanzhou	
LANC	Lancaster	
LANE	Lane BPA Site-SMO	
LANF	Langenberg	
LANH	Laconia	
LANS	Liptovska Anna	
LANU	Lannavaara	
LAO	LASA Array	
LAP	La Paz	
LAPC	Finca la Perla	
LAPE	La Pedrera	
LAQ	La Grande	
LAQC	La Quinta	
LAR	Laramie	
LARD	Lac Aux requins	
LARF	Larrau	
LARI	Lau Rambong	
LARO	La Roca	
LAS	Mount Lassen	
LASA	Lasa Array	LAO
LASF	Ste Croix	
LASI	Langsa, Aceh	
LASL	Noumea	
LASM	Arnica Sink	
LAST	Lasithi	
LAT	Lae	
LATE	Laterza	
LATQ	La Tuque	
LATR	Latur	
LAU	La Urbina	
LAUCH	Lauchernalp	
LAUG	Laupendahl	
LAV	Laguna Verde	
LAV2	Lava2-Rev Volc	
LAV3	Lava3-Reventador	
LAV4	Lava4-Reventador	
LAV9	Lanuvio	
LAVA	Lava Cap Winery, Placerville	
LAVC	Lavic	
LAVN	Lang Chanh	
LAVR	Lavrentia	
LAW	Lawrence	
LAWT	Lawton Elementary School	
LAX	Bahia de Los Angeles	
LAY	Lan-yu	
LAZ	Ladron	
LAZM	Lazaro Cardenas	
LB-	Lebanon	LB-NH
LB1	LASA B Ring	
LB2	LASA B Ring	
LB3	LASA B Ring	
LB4	LASA B Ring	
LBC	Lubudi	
LBCM	Butte Creek Rim	
LBCW	Luby	
LBF	Les Buteaux	
LBFI	Labuhan Bajo, Sumatra	
LBFM	Black Fox Mountain	
LBG	Lerchenberg	
LBGA	Luboga	
LBGM	Big Gulch	
LBH	Morecambe B102	
LBKM	Bonanza King	
LBL	Lubilhac	
LBM	Little Butte	
LBMI	Labuha	
LBMM	Bass Mountain	
LBNH	Lisbon	
LB-NH	Lebanon	
LBNS	Jabal Laban	
LBO	Bowland	
LBOS		
LBP	Lucky Boy Pass	
LBPH	Los Banos	
LBPM	Beegum Peak	
LBQ	La Grande	
LBRS	Las Brisas	
LBSA	Labasa	
LBT	Labete	
LBTB	Lobatse	
LBUT	Lower Browns Hole	
LBXM	Letterbox	
LBZ	Lake Benmore	
LC-	Las Cruces	LC-NM
LC1	LASA C Ring	
LC2	LASA C Ring	
LC3	LASA C Ring	
LC4	LASA C Ring	
LCA	Log Cabin	
LCAL	Lambert Chapel	
LCAM	Castella	
LCAR	Lake Charles	
LCBS	La Ceiba	
LCC	Lanzhou	
LCCB	Little Cholame Creek	
LCCH	Las Cruces	
LCCM	Lewis and Clark Caverns	
LCCO	Lakeland CC	
LCCY	Blossom Village, Little Cayman	
LCFM	Crescent Cliff	
LCG	Leon Cerro Gordo	
LCH	Last Change Range	
LCHF	La Chataigneraie	
LCI	Lecce	
LCK	Crook	
LCL	Rancho Los Cerritos	
LCM	Los Angeles Museum of Natural History	
LCMM	Colby Mountain	
LCMT	Little Creek Mountain	
LCN	Lincoln	
LCNA	Lacona	
LCNC	Loup City	
LCNE	Loup City	
LC-NM	Las Cruces	
LCO	Las Campanas	
LCP	Cassop	
LCQ	La Grande	
LCR	La Lucha	
LCR2	La Lucha 2	
LCSM	College of the Siskiyous	
LCV	La Cueva	
LCVN	Lai Chau	
LCW	Lucas Creek	
LD-	Lucedale	LD-MS
LD1	LASA D Ring	
LD2	LASA D Ring	
LD2MS	Lucedale	
LD3	LASA D Ring	
LD3MS	Lucedale	
LD4	LASA D Ring	
LDBL	Lucq-de-Bearn	
LDBM	Digger Butte	
LDBN	Lake De Bois	
LDF	La Druitiere	
LDFC	Landfair	
LDG	Lodge	
LDGN	Lac de Gras North	
LDIO	Lac des Isle Mine	
LDJ	Lady	
LDLD	Lac de Lave	
LDM	Libby Dam	
LDMO	Linda	
LD-MS	Lucedale	
LDN	London (Ont)	
LDQ	La Grande	
LDR	Lodi Road	
LDS	Leeds	
LDU	Leeds University	
LDV	Leadville	
LDVG	Clark Hill Reservoir	
LE-	Lewisburg	LE-TN
LE1	LASA E Ring	
LE2	LASA E Ring	
LE3	LASA E Ring	
LE4	LASA E Ring	
LEA	Lead	
LEAH	Tarraleah	
LECO	Lake Erie College	
LED	Lead Mountain	
LEE	Leeds	
LEF	Lefka	
LEG	Legaspi	
LEGH	Legon	
LEGS	Legarje	
LEI	Leipzig	
LEK	Lexington	
LEM	Lembang	
LEN	Leninakan	
LENM	Lemitar	
LEO	Leoncito	
LEOC	Leona Valley	
LEOD	Capriano del Colle	
LEOM	Leova	
LEON	Leon	
LEOT	Leota Junior High School	
LEP	Lephalale	
LEPF	PUYLOUBIER	
LER	Lerida	
LERZ	Lernakert	
LES	Lesozavodsk	
LESF	Lescure	
LE-TN	Lewisburg	
LEV	Loma de el Viento	
LEVU	Levan	
LEX	Lexington	
LF-	La Follette	LF-TN
LF1	LASA F Ring	
LF2	LASA F Ring	
LF3	LASA F Ring	
LF4	LASA F Ring	
LFA	Lagoa do Fogo	
LFC	Lale Fork Canyon	
LFF	La Frestale	
LFK	Lefkose	
LFM	Lubrecht Forest	
LFRS	El Faro	
LF-TN	La Follette	
LFU	La Fuente	
LG-	Long Valley	LG-AZ
LG4Q	La Grande 4	
LGA	Laguna Mountains	
LGAR	La Grange	
LGAT	Lohaghat	
LG-AZ	Long Valley	
LGBM	Gray Butte	
LGC	Lakewood Golf Course	
LGCB	Laguna Cube	
LGD	Lagodekhi	
LGG	Legon	
LGHD	Ghdames	
LGHM	Grouse Hill	
LGKY	Lock 6	L6KY
LGM	Little Green Mountain	
LGMM	Garner Mountain	
LGN	Lagunillas	
LGNH	Le@15oga@12ne	
LGNR	Loginova	
LGOR	La Grande	
LGP	Legaspi	
LGPM	Granite Peak	
LGQ	La Grande	
LGR	Logrono	
LGRM	Grenada	
LGSN	Lac de Gras South	
LGT	Lagarterita	
LGTI	Lohaghat	
LGTM	Lightning Creek	
LGUZ	Los Guarumos	
LHA	Lhasa	
LHAH	Las Aradas	
LHBM	Lucas Heights	
LHC	Lakehead University	
LHCM	Hat Creek	
LHD	Little Hoodo Mountain	
LHE	Lhers	
LHEM	Herd Peak	
LHG	La Concha	
LHHM	High Hole Crater	
LHI	Lord Howe Island	
LHIS	Lihir Island	
LHKM	Mount Harkness	
LHM	Lake Helena	
LHMI	Lhok Sumawe	
LHMM	Hirz Mountain	
LHN	Lillehammer	
LHO	Holmfirth	
LHOM	Hoadley Peaks	
LHS	Liberty Hill	
LHSI	Lahat	
LHU	Lake Hughes	
LHUT	Little Humpy Peak	
LHV	Little Huntoon Valley	
LI-	Liberty	LI-NV
LIA	Limnos Island	
LIB	Langara Island	
LIBD	Limburg	
LIBM	Chiapas	
LIC	Lamto	
LICH	Lichinga	
LICM	Lichinga	
LICR	Limon	
LID	Liddow	
LIENZ	Kamor/St.Gall Rh.T	
LIFNC	LIFOU	
LIJA	Lijar	
LIKS	Likavka	
LIL	Lille	
LILH	Lima (NY)	
LILM	Lilongwe	
LILU	Lilltraesk	
LIM	Lima	
LIM1	Limonal	
LIME	Lime	
LIMM	Veracruz	
LIN	Lincoln	
LINO	Lindsay	
LI-NV	Liberty	
LIO	Limon	
LIP	Lipkovo	
LIRZ	Lichensteins Rd	
LIS	Lisbon	
LISJ	El Lisan	
LIT	Litokhoron	
LITE	Lita	
LITE1	Lita	
LITH	Al Lith	
LITR	Litchfield	
LIV	Leghorn	
LIY	Limay	
LJB	Lovejoy Buttes	
LJBD	Adjabya	
LJC	La Jolla	
LJFR	Jufra	
LJI	Lemhi Junction	
LJO	Ljotipollur	
LJS	Tabasco	
LJU	Ljubljana	
LJX	Las Lajas	
LJY	La Joya	
LKB	Lokbatan	
LKBD	Leukerbad	
LKBD2	Leukerbad 2	
LKC	Lake Chabot	
LKD	Levkas	
LKD2	Lefkada island	
LKFR	Kufra	
LKG	Breislack	
LKGA	Lookout Mountain	
LKL	Kirkby Lonsdale	
LKLB	Kalborn	
LKO	Korhogo	
LKP	Lekhapani	
LKR	Lokris	
LKRN	Lenkeran, Azerbaijan	
LKVW	Lakeview	
LKW	Lake Wisdom	
LKWY	Lake	
LL-	Laurel	LL-MS
LLA	Llanada	
LLAC	Llano	
LLAH	Lualailua	
LLAV	El Llanito	
LLC	La Lucha Farm	
LLCH	Llolleo	
LLD	Lille Linde	
LLI	Lipari	
LLIC	Llico	
LLJ	Guerrero	
LLKY	Land-Between-the-Lakes	
LLL	Lillooet	
LLLB	Lillooet	
LL-MS	Laurel	
LLO	Longridge	
LLP	Lapu-Lapu	
LLRI	Little Lost River	
LLS	Linth-Limmern	
LLW	Llanuwychllyn	
LLY	Lytham Saint Anne's	
LM-	Lake Mead	LM-NV
LM2	Lima (Magdalena)	
LMA	Le Marinel	
LMBQ	La Malbaie	
LMC	Lamocks	
LMCR	Lookout Mountain	
LMD	Lutirano	
LMDM	Medicine Lake	
LMEL	Las Melosas	
LMEM	Manzanita Entrance	
LMF	Le Mans	
LMG	Lamington	
LMGC	Las Mercedes	
LMHM	Little Mount Hoffman	
LMI	Millom	
LMK	Market Rasen	
LML	Lae--Mount Lunaman	
LMM	Maputo	
LMN	Caledonia Mountain	
LM-NV	Lake Mead	
LMO	Lookout Mountain Observatory	
LMP	Lamap	
LMPM	Military Pass	
LMQ	La Malbaie	
LMR	La Mourre	
LMS	Lookout Mountain Observatory	
LMSR	Misrath	
LMT	Lemonthyme	
LMTN	Little Mountain	
LMTZ	Lermontov	
LMU	Lake Mountain	
LMUT	Lake Mountain	
LMW	Ladd Mountain	
LMX	La Mesa Andrade	
LMZ	Lake Moeraki	
LMZM	Manzanita Lake	
LN9	Lone Pine	
LNA	Lyangar	
LNAS	Los Alamitos	
LNB	Las Nubes	
LNC	Lunacharskoye	
LNCH	Linares	
LNCR	Limon	
LND	London (Ont)	
LNF	Linfen	
LNG	Luning	
LNIG	Linares	
LNK	Lankaran	
LNKU	Linkoeping	
LNM	Leon	
LN-MA	Lewistown	
LNN	Saint Petersburg	
LNO	Leonard	
LNO2	Leonard	
LNO3	Leonard	
LNOR	Lincton Mountain	
LNR	Lonorore	
LNS	Lanslevillard	
LNSM	East Lansing	
LNSS	Leonessa	
LNV	Longovilo	
LNVN	Lang Ngam	
LNX	Lenox	
LNXT	Lenox	
LO-	Lovelock	LO-NV
LO2	Pahute Mesa	
LOA	Los Alamos	
LOC	Lincoln School	
LOCW	Locke Island	
LOD	Lodumlu	
LOE	Loei	
LOES	Loerrach-Stetten	
LOEW		
LOF	Lofoten	
LOG	Logan	
LOGN	Logan Glacier	
LOH	Wallersheim-Loch	
LOHW	Long Hollow	
LOK	Lockwood Valley	
LOKY	Lockhart	
LOLA	Los Lagos	
LOM	Lome	
LOMF	Lomont	
LOMO	Loma en Medio	
LOMS	Lomita	
LON	Longmire	
LO-NV	Lovelock	
LONY	Lake Ozonia	
LOP	Lookout Peak	
LOPT	Lopu atari	
LOR	Lormes	
LORE	San Lorenzo	
LORO	Los Roques	
LORV	San Lorenzo	
LOS	Limnos	
LOSM	Lostock Dam	
LOSU	Losuia	
LOT	Lotru	
LOU	Louis Bay	
LOUT	Loutraki	
LOY	Loyalton	
LOZ	Lake Ozonia	
LP-	La Pryor	LP-TX
LPA	La Plata	
LPAR	Lepanto	
LPAZ	La Paz	
LPB	La Paz	
LPC	La Cumbre Peak	
LPD	Lampedusa	
LPDM	Pondosa	
LPEF	Le Peyrat	
LPEL	Lama dei Peligni	
LPF	Le Pertre	
LPG	La Plagne	
LPH	Laupahoehoe	
LPI	Lipari	
LPIG	La Paz	
LPK	Lapseki	
LPL	La Plagne	
LPM	Los Pinos Mountain	
LPMF	Morne Lapointe	
LPO	Le Pouchou	
LPQ	La Pocatiere	
LPR	La Peregrina	

Code	Station Name	Other
LPS	La Palma	
LPSR	Galich'ya Gora	
LPT	Lampang	
LP-TX	La Pryor	
LPW	Lampeter	
LPX	La Paz	
LPZ	San Calixto	
LQA	La Quiaca	
LQP	Lukban	
LQQ	La Grande 4	
LQT	Los Queltehues	
LR9	Liard River	
LRA	Little Rock	
LRAL	Lakeview Retreat	
LRC	Lone Oak Road	
LRCG	Laurel Creek	
LRCZ	Leaning Rock	
LRDF	Laroque-de-Fa	
LRDM	Redding Peak	
LRDO	Lorado	
LREZ	Lake Rotokare	
LRG	Lorgues	
LRI	Big Lost River	
LRK	Lerik	
LRKT	Look Rock	
LRM	Limekiln Ridge	
LRMC	Laurel Mountain	
LRN	Richmond	
LRO	Larroussi	
LRQ	La Grande 3	
LRR	Leresti	
LRRC	Littlerock Reservoir	
LRS	Lares	
LRV	Little Rabbit Valley	
LRW	Lerwick	
LRWS	Lerwick	
LRYF	La Roche-sur-Yon	
LS-	Lisbon (USA)	LS-NH
LSA	Lhasa	
LSCH	La Serena	
LSCT	Lakeside	
LSCZ	Lilico Spur	
LSD	Lago del Serru	
LSF	La Souterraine	
LSHF	Shwairf	
LSI	Little Sitkin Island	
LSI01	Los Alamos Infrasonic Array Site 1	LSIAR
LSI02	Los Alamos Infrasonic Array Site 2	
LSI03	Los Alamos Infrasonic Array Site 3	
LSI04	Los Alamos Infrasonic Array Site 4	
LSIAR	Los Alamos Infrasonic Array Beam Reference Point	
LSK	Leskovik	
LSLM	South Lassen	
LSM	Little Skull Mountain	
LSN	Little Skull Mountain	
LS-NH	Lisbon	
LSNR	Lesken	
LSNW	Little Sitkin NW	
LSP	Las Mesas	
LSP2	Las Mesas	
LSPA	Little Sitkin PP	
LSPF	Lesparou	
LSQ1	Lac Sinclair, Quebec	
LSQQ	Lebel-sur-Quevillon	
LSR	Lussari	
LSRT	Sirt	
LSSA	Little Sitkin S'e	
LSSE	Little Sitkin SE	
LST	Lone Star	
LSTR	Listvyanka	
LSU	Lake Shores	
LSU1	Parcperdue Array	
LSU2	Parcperdue Array	
LSU3	Parcperdue Array	
LSU4	Parcperdue Array	
LSU5	Parcperdue Array	
LSUT	Lucky Star	
LSW	Landslide	
LSZ	Lusaka	
LT-	Lewistown	LT-PA
LT1	Stevens Creek	SEC
LT11	Empire Grade Rd	EGR
LT12	Eureka Canyon	EUC
LT13	Angel Island	AGC
LT15	Bear Creek Road	
LT16	Bolinger Road	BGC
LT17	Morgan Territory	MTC
LT18	Palomares Rd	PLC
LT2	St Joseph	SJH
LT3	Portola State Park	
LT4	Stanford	SFT
LT5	La Honda	
LT6	Woodside	WDS
LT7	Menlo Park	MOB
LT8	Coyote Hills	CYH
LT9	San Andreas Lake	
LTA	Leoben	
LTB3	Lajitas B3	TX04
LTBQ	Tobruq	
LTC	Little Chuckwalla Mountains	
LTCM	Tuscan Springs	
LTG	Los Tablones	
LTH	Lepaterique	
LTHS	Al Lith	
LTI	Latouche	
LTIM	Timbered Crater	
LTK	Loutraki	
LTL	Livingston	
LTM	Little Maria Mountains	
LTMT	Little Table Mountain	
LTN	Lennox	
LT-PA	Lewistown	
LTQ	La Grande	
LTR	Lone Tree Road	
LTRA	Loutraki	
LTRP	Tripoli	
LTRR		
LTRZ	Laterza	
LTT	Louis Trichardt	
LTU	Little Mountain	
LTW	Los Trancos Woods	
LTX	Lajitas	
LTY	Liberty	
LTZ	Lake Taylor	
LUA	Luanda	
LUB	Lubbock	
LUBP	Lubang	
LUBY	Luby	
LUCF	Luceram	
LUCR		
LUEV	Luepa	
LUG	Luganville	
LUJL	Ujela	
LUK		
LUKA1	Lukmanier-Pass	
LUL		
LUMB	Murzuk	
LU-MS	Lumberton	
LUN	Lund	
LUNU	Lund	
LUPA	Lehigh University	
LUPN	Lupin Mine	
LURI	Luri	
LUS	Lusaka	
LUTC		
LUV	Laichau	
LUWI	Luwuk	
LUX	Luxembourg	
LUZB	Luzhba, Kemerovskaya Oblast', Russia	
LV-	Liddieville	LV-LA
LV9	Isola Levanzo	LVI
LVA	Lava Point	
LVAR	Leachville	
LVC	Limon Verde	
LVG	La Victoria	
LVGX	La Villita	
LVI	Isola Levanzo	
LVIA	Vianden	
LVIG	Laguna Verde	
LVK	Lovelock	
LV-LA	Liddieville	
LVMM	Veracruz	
LVN	Las Vegas	
LVNJ	Long Valley	
LVP	Lakeview Peak	
LVR	Liverpool	
LVRI	Lost Valley Reservoir	
LVS	La Villa de Los Santos	
LVU	Levan Peak	
LVV	L'vov	
LVVM	Laguna Verde	
LVW	Las Vegas	
LVY	Levy	
LVZ	Lovozero	
LW-	Lake Wenatchee	LW-WA
LWA	Lower Mag Wash	
LWH	Whinny Nab	
LWI	Lwiro	
LWLI	Liwa	
LWN	416	
LW-WA	Lake Wenatchee	
LXQ	La Grande 3	
LXR	Lexington Reservoir	
LYLS		
LYMT	Lyon Mountain	
LYNC	Lynnwood City Hall ANSS-SMO	
LYNN	Rosslynne Res.	
LYP	Liyang	
LYUB	Lan-yu	
LYW	Lyman	
LY-WA	Lynden	
LZ-	La Paz	LZ-BV
LZB	Mount Lazard	
LZ-BV	La Paz	
LZG	Guadaloupe-1	
LZH	Lanzhou	
LZLA	Zalla	
M01C	Crescent City	
M02C	Callahan	
M03C	McCloud	
M04C	Macdoel	
M05C	Lookout	
M06C	Likely Place Golf, Likely	
M07A	Soldier Meadows	
M08A	Happy Creek Ranch, Winnemucca	
M09A	Marrel Ranch, Paradise Valley	
M10A	I.L. Ranch, Tuscararo	
M11A	Holland Ranch, North Fork	
M12	M12	
M12A	Wells	
M13A	Montello	
M14A	Sheep Mountain BLM, Rosette	
M15A	Larsen Ranch, Promontory	
M16A	Huntsville	
M17A	Scullys Gap (BLM), Evanston	
M18A	Lyman	
M19A	Rock Springs	
M20A	Sweetwater, Wamsutter	
M21A	Separation Peak, Rawlins	
M22A	Cedar Creek Ranch, Saratoga	
M23A	Laramie	
M24A	Cheyenne	
M25A	Palm-Egli Farm, Albin	
M26A	McRoberts Ranch, Bridgeport	
M27A	Reverse DX Ranch, Oshkosh	
M28A	Bar X Bar Ranch, Keystone	
M29A	Burnside Ranch, Stapleton	
M30A	Dale-Ortello Valley, Anselmo	
M31A	Lambtecht Ranch, Loup City	
MA1	Montasola	MNS
MA2	Magadan	
MA9	Marino	
MAA	Manantiales	
MAB1	Monte Acero	
MABC	Malibu	
MABI	Malga Bissina	
MAC	Mark West Springs	
MACE	Macas	
MACH	Maria Elena	
MACI	Morro de la Arena	
MACK	Trabzon	
MACM	Macedon	
MAD	Madang	
MADF	Madeleine	
MADG	Magdalen Islands	
MADN	Villa Maderas	
MADO	Madoc	
MADS	Madsous	
MAE	Maebashi	
MAEJ	Maebashi 2	
MAF	Mazirat	
MAG	Magadan	
MAG1	Magdalena	
MAGA	Magasa	
MAGD	Magdalena	
MAGG	Maguga Dam	
MAGK	Magadi	
MAGT	Magosa	
MAH	Mahableshwar	
MAHO	Mahon	
MAHZ	Mahia	
MAI	Maizuru	
MAIG	Mazatlaan	
MAIM	Mastiano	
MAIO	Mashhad (SRO)	
MAIT	Maitri	
MAJ	Maron	
MAJO	Matsushiro	
MAK	Makhachkala	
MAKK	Maki	
MAKR	Makrakomi, Fthiotida	
MAKT	Makukawa	
MAKU	Maku	
MAKZ	Makanchi	
MAL	Malaga	
MALC	Bahia Malaga	
MALG	Malagash, Nova Scotia	
MALI	All	
MALM	Malindi	
MALO	McAlpine Lake	
MALT	Malatya	
MAM	Mambajao	
MAMC	Mammari	
MAME	Mamelis	
MAMG	Mamou	
MAMI	Mei-Ami	
MAMO	Mamousia	
MAN	Manila	
MAN1	Correggio Man	
MANF	Vacherie de Mantegas, la Bollene-Vesubie	
MANI	Manica	
MANM	Veracruz	
MANR	Mangalia	
MANS	Anshas	
MANT	Manisa	
MANU	Manus Island	
MANV	Manamana	
MANY	Mount Airy	
MANZ	Manzenberg	
MAO	Monte Argentario	
MAOD	Malaho	
MAON	Monte Argentario	
MAP	Mactan	
MAPC	Malpelo	
MAPI	Mapinhane	
MAPV	Macapo	
MAR	Marseilles	
MARA	Maracay	
MARB	Ma'rib	
MARC	Maricopa	
MARD	Mardin	
MARE	Marsico Vetere	
MARG	Lake Margaret	
MARH	Ras Al Marh	
MARI	Martimbang	
MARJ	Al Marj	
MARK	Kumluca	
MARL	Marlboro	
MARM	Chiapas	
MARMO	Marston	
MARN	Marana (Italy)	
MART	Mareth	
MARV	Martvili	
MARY	Rancho Maria	
MARYW	Marymoor Park	
MARZ	Manawahe	
MAS	Mason Butte	
MASB	Masset	
MASC	Masc	
MASH	Mash'abbe Sade	
MASI	Maura Aman, Bengkulu	
MASJ	El Maslubiya	
MASN	Masaya	
MASO	Asolo, Italy	
MASU	Masugnsbyn	
MAT	Matsushiro	
MAT0	Matsushiro Array Site 0	
MAT1	Matruh	
MATB	Ma-tsu	
MATC	Matruh	
MATE	Matera	
MATF	Mathat	
MATH	Matsumotoyama	
MATI	Mati	
MATL	Matarih	
MATM	Matthews	
MATP	Matopo	
MATQ	Matagami	
MATS	Near Sharaf	
MATTE	Schuetzenmatte (BS)	
MAU	Matua	
MAUI	Maui	
MAVI	Loma El Joboban	
MAVM	Malinalco, Edo de Mexico	
MAW	Mawson	
MAX	Makhata	
MAY	Mayfield	
MAYB	Maynard	
MAZ	Mazatlan	
MAZI	Mazidag	
MAZR	Mazracia	
MB-	McComb	MB-MS
MBA	Mount Bingar	
MBAR	Mbarara	
MBAT	Mbeya	
MBBY		
MBC	Mould Bay	
MBDF	Montbardon	
MBEL	Montebelluna (TV), Italy	
MBET	Bethel	
MBFM	Blanchard Fire Station	
MBG	Matouba	
MBGA		
MBGB		
MBGE		
MBH	Mount Berech	
MBI	Menan Buttes	
MBIG	Mexicali	
MBJ	Montego Bay	
MBL	Marble Bar	
MBLG		MLGT
MBMH		
MB-MS	McComb	
MBO	M'Bour	
MBPA	Monroe Substation	
MBRI	Mt Berech	
MBRV		
MBRY		MRYT
MBSI	MBSI	
MBSS		
MBT	Marble Bar	
MBU	Bua	
MBUT	Moab	
MBV	Mont Bernier	
MBW	Mount Baker	
MBWA	Marble Bar	
MBWH		
MBZ	Menzel Bouzelfa	
MC-	Mitchell	MC-SD
MCA	Marble Canyon	
MCAB	Moca	
MCAD	Moucha	
MCAR	Mid-South CC	
MCARA	McCarthy VSAT	
MCAS	Mount Castle	
MCB	Moose Creek Bluff	
MCC	Mica Creek	
MCCM	Marconi Conference Center, Marshall	
MCD	Coleburn Distillery	
MCE	Mica Creek	
MCEL	Monticello	
MCEM	Central Site	
MCG	Mt St Catherine	GRW
MCGN	Macugnaga	
MCH	Masachapa	
MCH1	Michaelchurch	
MCHM	Carson Hill	CRH
MCHV	Machiques	
MCHZ	McNeill Hill	
MCI	Monte Cassino	
MCID	Moose Creek	
MCIL	McClure	
MCIR	Makushin Cirque	
MCIV	Monte Civitella	
MCJ	Malvern	
MCK	McKinley	
MCKN	MacKay Lake North	
MCL	McNeil River	
MCLT	Moule a Chique	
MCM	McMurdo Sound	
MCMB1	Michelle Canyon Maxwell	
MCMN	McManaman Lake, Nunavut	
MCMT	McKenzie Canyon	
MCN	Mercury	
MCNL	McNeil River	
MCO	Coloane	
MCOR	Cornuda. Italy	
MCP	Moca	
MCPI	Mackay Peak	
MCPQ	Mount Cooper	
MCPZ		
MCQ	Macquarie Island	
MCR	Mercer	
MCRR	Mono Craters	
MCRV	Calabrutti - M.te Cervialto	
MCS	Marcus Island	
MC-SD	Mitchell	
MCSJ	Minami-tori-shima	
MCSM	Casa Diablo Hot Springs	
MCSR	Castroreale	
MCT	Mte Cammarata	
MCU	Monte Cristo Peak	
MCUM	Copperopolis	
MCV	Mercury	
MCVV	Moc Chau	
MCW	Mount Constitution	
MCWV	Mont Chateau	
MCY	Mercury	
MD1	Moodus	
MD2	Moodus	
MD3	Moodus	
MD4	Moodus	
MD5	Moodus	
MDA	Mount Davis	
MDAL	Dalia	
MDB	Medias	
MDC	Mount Diablo	
MDD	Madrid	
MDG	Madang	
MDGS	Mont de Guillon, France	
MDI	Monti di Nese	
MDJ	Mudanjiang	
MDL	Mandileni	
MDM	Murphy Dome	
MDN	Morne-Daniel	
MDND	Maddock	
MDNY	Mudanya-Bursa	
MDO	Dochfour	
MDR	Madras	
MDRJ	Muduarah	
MDRM	Moondarra Dam	
MDRS	Chennai	
MDRV	Mala Drenova	
MDS	Madison	
MDSI	Maura Dua	
MDSJ	Mudaysisat	
MDSM	Mandiavato	
MDT	Midelt	
MDU	Mudurnu	
MDUB	Mudurnu	
MDUM		
MDV	Middlebury	
MDVM	Presa Madin	
MDVR	Moldovita	
MDW	Midway	
MDY	Midway	
MDZ	Mendoza	

Code	*Station Name*	*Other*
ME-	Merritt	ME-BC
ME01	Mistretta	
ME02	San Fratello	
ME03	Palmi	
ME04	Brognaturo	
ME05	Diga del Menta	
ME06	Antenna a Mare	
ME07	Castell'Umberto	
ME09	Pentidattilo	
ME10	Cittanova	
ME12	Panarea 2	
ME15	Gioiosa Marea	
MEA	Monteagle	
MEAN	Meany Midle School ANSS-SMO	
MEB	Medea	
ME-BC	Merritt	
MEC	Mechernich	
MECC	Mecca Hills	
MECH	Mejillones	
MECU	Ecuador Network	
MED	Medan	
MEDC	Medellin	
MEDO	Medina	
MEDT	Meda	
MEDY	Medina	
MEE	Meerut	
MEEK	Meekatharra	
MEF	Metsahovi	
MEG	Meangora	
MEGN	Megha	
MEGW	Megler CREST BB SMO	
MEH	Mehetia	
MEI	Melilli	
MEIG	Mezcala	
MEK	Meekatharra	
MEKA	Meekatharra	
MEL	Melbourne	
MELA	Melanico ??? S. Croce di Magliano	
MELF	Melles	
MELI	Melilla	
MELS	Mels	
MELSS	Ber_school_2	
MEM	Membach	
MEMM	East Mammoth Hills	
MEMT	Mount Ellis	
MEN	Mendoza	
MENA	Menton	
MENF	Mencas	
MENI	Mendum Tagoi	
MENT	Mentasta	
MEO	Meers	
MEP	Mte del Estrado	
MER	Merida	
MERA	Merate	
MERK	Meru	
MERS	Mersin	
MERV	Las Mercedes	
MES	Messina University	
MES1	Messina Univ.	MES
MESA	MESA	
MESC	Monte Escuro	
MESG	Mesagne	
MESJ	Messejana	
MESS	Mesas	
MEST	Erdemli	
MET	Memphis--Engineering Building	
METS	Metsamor	
MEU	Monte Lauro	
MEV	Metsovon	
MEW	McNeil Island	
MEX	Mexico City	
MEZ	Mezhgor'ye	
MEZF	Maizieres J'ville	
MF-	Medford	MF-WS
MFA	Mitchell Field	
MFAN	Fanzolo, Italy	
MFCH	Minera del Fierro	
MFF	Saint Martin du Fouilloux	
MFI	Fishrie	
MFID	Camas Ranch	
MFM	Minneapolis	
MFNL	Monte Finestrelle	
MFO	Meers Fault	
MFP	Moca	
MFRE	Fregona, Italy	
MFS	McCloud Flat South	
MFSFA	Multi FST (Faido)	
MFSFB	Multi FST (Faido)	
MFSM	McCloud Flat S	MFS
MFT	Murefte	
MFTN	Millsfield	
MFW	Milton-Freewater	
MF-WS	Medford	
MGA	Milagra Ridge	
MGAB	Montegabbione	
MGAN	Managua	
MGAT		MBGA
MGB	Mount Grey	
MGBA	MARTIN GARCIA	
MGBB	Grossbuechelberg	
MGBR	Mount Gambier	
MGC	Mingacevir	
MGCB	McGee Creek	
MGCD	Mangrove Creek Dam	
MGD	Magadan 1	
MGER	Gerania Oros	
MGG	Marie-Galante	
MGH	Saint George's Hill	
MGI	Mount Gilboa	
MGJ	Motegi	
MGL	Magalia	
MGLS	Mageik Landslide	
MGM	Magruder Mountain	
MGMO	Mountain Grove	
MGN	Mengen	
MGNC	Mount Gibbes	
MGO	Magodro	
MGOD	Makushin Gods Own Repeater Site	
MGP	Maguayo	
MGPB	Maguayo	
MGR	Morigerati	
MGRD	Malga Garda, Italy	
MGRZ	Megri	
MGS	Middleton Gardens	
MGTN	Margaret Lake	
MGU	Meadow Creek Golf Course	
MGUL	San Miguel	
MGV	Manicaragua	
MGVT	Montgomery	
MGZ	Maungaku	
MH-	Mitchell	MH-NB
MHA	Mahukona	
MHAI	Haid-Arzberg	
MHC	Mount Hamilton	
MHD	Mile High Drive	
MHDL	Marin Headlands	
MHEZ	Mangahewa	
MHGZ	Mahia Peninsula	
MHI	Mashad	MAIO
MHIT	MHIT	
MHJ	Mihama	
MHK	Manhattan	
MHL	Milos	
MHLO	Agia Marina, Milos Island	
MH-NB	Mitchell	
MHPQ	Mount Hope	
MHR	Mount Hamilton Road	
MHS	Mammoth Hot Springs	
MHT	Manhattan	
MHV	Michnevo	
MHZ	Mount Horn	
MIA	Miami	
MIAR	Mount Ida	
MIB	Mutribah	
MIC	Michilla	
MICGM	Minsk	
MID	Middleton Island	
MIDA	Miranda	
MIDW	Midway	
MIF	Mishlifen	
MIGL	Miglionico	
MII	Malini	
MIK	Minitrack	
MIKA	Lake Mikany	
MIKI	Bielsko-Biala	
MIKN	Mikawa	
MIL	Milan	
MILA	Mila	
MILG	Mill City	
MILK	Milimani	
MILM	Milestii Mici	
MILN	Milano	
MILT	Milan	
MILZ	Milazzo	
MIM	Milo	
MIN	Mineral	
MINB	Miramichi	
MINR	Mina	
MIO	Marion Island	
MIOU	Port Miou	
MIP	Matupit	
MIPR	Malaya Ipel'ka	
MIQ	Maniwaki	
MIR	Mirnyy	
MIRA	Miradouro	
MIRC	Martinez Indian Reservation	
MIRN	Miramar	
MIS	Mishima	
MISD	Mianeh	
MIST	Miston	
MISV	Misoa	
MIT	Mito	
MITH	Mitoyo	
MITM	Mitta Mitta	
MIV	Mineville/Witherbee	
MIW	Mizusawa	MIZ
MIX	Mix Canyon Road	
MIY	Miyako	
MIYJ	Miyakonagasawa	
MIZ	Mizusawa	
MIZN	Minamiizu	
MJ00	Matshushiro Site	
MJ01	Matsushiro Array Site 1	
MJ02	Matsushiro Array Site 2	
MJ03	Matsushiro Array Site 4	
MJ04	Matsushiro Array Site 4	
MJ05	Matsushiro Array Site 5	
MJ06	Matsushiro Array Site 6	
MJ2	May Junction 2	
MJA0	Matsu Arr-Jizo	
MJA1	Matsu-Toyosaka	
MJA2	Matsu-Nakaone	
MJA3	Matsu-Soehiyama	
MJA4	Matsu-Jizotouge	
MJAR	Matsushiro Array Beam Reference Point	
MJAS	Monjas	
MJB1	Matsu-Takimoto	
MJB2	Matsu-Sugadaira	
MJB3	Matsu-Daira	
MJB4	Matsu-Nakagumi	
MJB5	Matsu-Yatsubo	
MJB6	Matsu-Irikaruiz	
MJB7	Matsu-Wadaira	
MJB8	Matsu-Inaba	
MJB9	Matsu-Tunnel	
MJHT	Jackboy Hill	
MJM	Morne Jacques	
MJMA	Al Majma'ah	
MJP	Mount John Pukaki	
MJSI	Majene	
MJW	Madison Junction	
MJZ	Mount John	
MK-	Marked Tree	MK-AR
MK01	Makanchi Array site	
MK02	Makanchi Array site	
MK03	Makanchi Array site	
MK04	Makanchi Array site	
MK05	Makanchi Array site	
MK06	Makanchi Array site	
MK07	Makanchi Array site	
MK08	Makanchi Array site	
MK09	Makanchi Array site	
MK31	Makanchi Array site	
MK32	Makanchi Array site	
MKA	Makaopuhi	
MKAR	Makanchi Array Beam Reference Point	
MK-AR	Marked Tree	
MKAZ	Moumakai	
MKC	Moncks Corner	
MKH	Mauna Kea	
MKIT	Kithairon Oros	
MKJ	Miyake jima	
MKL	Maskali	
MKMT	Mink Peak	
MKN	Medicine Creek Dam	
MKNA	Makna	
MKO	Miyako	
MKPT	Marks Point, NSW, Australia	
MKRJ	Makawir	
MKRZ	Makatiti	
MKS	Makassar	
MKT	Machtesh Katan	
MKW	Mikawa	
MKY	Makeyevka	
MKZ	Mys Kozlova	
ML-	Mogollon	ML-NM
ML1	Mono Lake	ML1CL
ML1CL	Mono Lake	
ML2	Mono Lake	ML2CL
ML2CL	Mono Lake	
ML3	Mono Lake	ML3CL
ML3CL	Mono Lake	
ML4	Mono Lake	ML4CL
ML4CL	Mono Lake	
MLA	Malaspina Glacier	
MLA1	Latheron	
MLAC	Mammoth Lakes Airport	
MLAL	Sawyerville	
MLB	Malabar	
MLC	Manzanita Lake	
MLD	Malden	
MLDM	Malden	
MLE	Mileto	
MLF	Milford	
MLG	Mont-d'or	
MLGT	Long Ground	
MLH	Mauna Loa	
MLI	Malad Range	
MLK	Milford Reservoir	
MLK*	Malo-Kuril'sk	
MLL	Mill Creek	
MLM	Mesa Lucero	
MLN	Mulungwishi	
MLNI	Malnisio	
ML-NM	Mogollon	
MLNT	Millington	
MLOA	Mauna Loa Observatory	
MLON	Marlo Lake	
MLP	Malaspina Glacier	MLA
MLQ1	Kipawa	
MLQ2	Temiscaminque	
MLR	Muntele Rosu	
MLS	Moulis	
MLSB	Milas	
MLSI	Meulaboh, Aceh	
MLT	Malta	
MLTT	Malatya	
MLV	Malvaux	
MLW	Milwaukee	
MLWM	Molesworth	
MLX	Mauna Loa 2	
MLY	Manley	
MLYF	Mely	
MLYT	Lee's Yard	
MLZ	Mavora Lakes	
MM-	McMinnville	MM-TN
MMA	Mummy Mountain	
MMA0	Mount Meron array	
MMA0B	Mount Meron array	
MMA1	Mount Meron array	
MMA2	Mount Meron array	
MMA3	Mount Meron array	
MMA4	Mount Meron array	
MMAI	Mount Meron Array Beam Reference Point	
MMAR	Mareno di Piave, Italy	
MMB	Musomiste	
MMB1	Mount Meron array	
MMB2	Mount Meron array	
MMB3	Mount Meron array	
MMB4	Mount Meron array	
MMBI	Montebello Ionico	
MMC	Middle Cape	
MMC1	Mount Meron array	
MMC2	Mount Meron array	
MMC3	Mount Meron array	
MMC4	Mount Meron array	
MMC5	Mount Meron array	
MMC6	Mount Meron array	
MMC7	Mount Meron array	
MMCS	Mount Moriah Church	
MMCZ	Mount Michael	
MME	Monte Cimone	
MME1	Meikle Cairn	
MMG	Magdalena	
MMGO	Monte Magaggiaro	
MMIG	Aquila	
MMK	Mattmark	
MML	Mount Malkishua	
MMLI	Mount Malkishua	
MMM	Pea Ridge Mine	
MMME	Mongiuffi-Melia	
MMN	Mormanno	
MMNB	Middle Mountain	
MMNY	Mt. Morris Dam	
MMO	Medio Mundo	
MMP	Mount Mary	
MMPH	Masbate	
MMPI	Merauke	
MMPM	Mammoth Pass	
MMR	Mount Meron	
MMRI	Maumere	
MMS	Matam	
MMSI	Mamuju	
MMT	Marsa Matruh	
MM-TN	McMinnville	
MMU	Miners Mountain	
MMWM	Mi Wuk Village	
MMY	Middlesmoor	
MN-	Mina	MN-NV
MNA	Mina	
MNAI	Manna	
MNAS	Manas	
MNAT	Makushin Nateekin	
MNB	Mounoet Dainard	
MNC	Moncalieri	
MNCI	Minicoy	
MNCY	Minicoy	
MND	Mandalay	
MNDI	Mendi	
MNE	Mineo	
MNFI	Manof	
MNG	Mangahao	
MNGI	Mangalore	
MNGR	Mingechevir, Azerbaijan	
MNH	Munich	
MNHK	Manihiki	
MNHM	New Hogan Reservoir	
MNI	Manado	
MNJ	Mineoka	
MNK	Minsk	
MNKH	Manakhah	
MNKR	ALMNKUR	
MNL	Mangla	
MNM	Minneapolis	
MNMC	Min@16e Min@16e	
MNN	Minneapolis	
MN-NV	Mina	
MNO	Monte Soro	
MNP	Morong	
MNQ	Manicouagan	
MNR	Mines Road	
MNRC	McLaughlin Natural Reserve	
MNRI	Mount Meron	
MNS	Montasola	
MNSI	Mandailing Natal	
MNSR	Manas	
MNT	Montreal	
MNTQ	Montreal, Quebec	
MNTV	Mantova	
MNTX	Cornudas Mountains	
MNU	Milford North	
MNV	Mina	
MNW	Monowai	
MNWA	Manchester	
MNY	Monteynard	
MNYS	Manysh	
MNZ	Manzanillo	
MO-	Mountain Home	MO-ID
MOA	Molln	
MOAB	Moab Khotsong	
MOAC	Moa	
MOB	Menlo Park	
MOBB	Monterey Bay OB	
MOBC	Moresby Island	
MOBN	Mombacho	
MOC	Mount Cameroon	
MOCA	Moca	
MOCB	Mochara	
MOCH	Los Molles	
MOCL	Monte Cuccoli	
MOCN	Mocoron	
MOCO	Biccari - m.te Cornacchia	
MOD	Modoc	
MODE	Modena	
MODR	Mondragone	
MODS	Modra-Piesok	
MODW	Modelwitz	
MOE	Montemor	
MOF	Molkenrain	
MOG	Mogadiscio	
MOGR	Mogosoaia	
MOH	Mohaka	
MOHS	Muhayil	
MOI	Mount Montar	
MO-ID	Mountain Home	
MOIG	Morelia	
MOIN	Puerto Moin	
MOK	Mokapu	
MOKC	Mount Cameroon	
MOKY	Morganfield	
MOL	Molde	
MOLA	ALG	
MOLE	Moliterno	
MOLL	Mollejon	
MOM	Momote	
MOMI	Momias	
MOMJ	Momotombo	MOMN
MOMN	Momotombo	
MOMR	Moma	
MOMT	Monida	
MON	Monaco	
MONC	Moncucco Torinese	
MONE	Monesi	
MONJ	Montclair	
MONL	Mont	
MONM	Monmouth	
MONO	Monmouth DOGAMI SMO	
MONP	Monument Peak	
MONR	Mono Valley	
MONV	Montecano	
MOO	Moorlands	
MOON	Moon Mountain	
MOOW	Moose Ponds	
MOP	Monarch Peak	
MOPA	Mopani	
MOPM	Molcaxac	
MOQ	Mont Orford	
MOR	Mori	
MOR1	Moi Rana	
MOR2	Moi Rana	
MOR3	Moi Rana	
MOR4	Moi Rana	
MOR5	Moi Rana	
MOR6	Moi Rana	
MOR7	Moi Rana	
MOR8	Moi Rana	
MORC	Moravsky Beroun	
MORF	Marmelete	
MORG	Mount Morgan	
MORO	Morrocoy	
MORS	Morshin	
MORW	Morawa	
MOS	Moscow	
MOSI	Grossmontoni	
MOSO	Mohican School	
MOT	McDonald Observatory	
MOT1	McDonald Obs.	
MOT2	McDonald Obs.	MT2
MOT3	McDonald Obs.	
MOT4	McDonald Obs.	
MOTA	Moosalm	
MOTN	Model	
MOUT	Mount Ogden	
MOV	Morovis	
MOV1	Cotopaxi Vol south	
MOVZ	Moawhango	
MOW	Moikau	
MOX	Moxa	
MOY	Mondy	
MOYM	O'Byrne Ferry	
MOYN	Moyogalpa	

Code	Station Name	Other
MOZ	Mahoenui	
MOZS	Mozjanca	
MP-	Mountain Pine	MP-AR
MPA	Moose Pass	
MPAL	Palemas	
MPAR	Parnis Oros	
MP-AR	Mountain Pine	
MPAZ	Palizzi	
MPDM	Moonee Ponds	
MPEP	Malo Peshtene	
MPG	Monte Pellegrino	
MPGF	Montagnes des Peres	
MPH	Memphis	
MPI	Mount Pinos, Frazier Park	
MPK	Martis Peak	
MPL	Maple valley SMO-IDS24	
MPM	Monte-Pele	
MPMC	Manual Prospect Mine,Trona	
MPNC	Port Mandanici	
MPOR	Mary's Peak	
MPP	Mount Pasian	
MPPO	Murphy's Point	
MPR	Mayaguez	
MPRD	Prada, Italy	
MPRI	Monte Prat	
MPRO	Farra di Soligo, Italy	
MPSI	Mapaga	
MPT	Matupit Island	
MPTV	Morphett Vale	
MPU	Maple Canyon	
MPVT	Montpelier	
MQI	Macquarie Island	
MQZ	McQueen's Valley	
MR-	Middleburg	MR-PA
MR01	Monticello Reservoir Site 1	
MR02	Monticello Reservoir Site 2	
MR03	Monticello Reservoir Site 3	
MR04	Monticello Reservoir Site 4	
MR05	Monticello Reservoir Site 5	
MR06	Monticello Reservoir Site 6	
MR07	Monticello Reservoir Site 7	
MR08	Monticello Reservoir Site 8	
MR09	Monticello Reservoir Site 9	
MR10	Monticello Reservoir Site 10	
MR6*	Monte Rosa	
MRA	San Martin	
MRAT	Mt Rat	
MRB	Monserrat	
MRB1	Monte Rocchetta	
MRC	Montrose	
MRCB	Reggio Calabria	
MRCM	Red Rock Canyon	
MRCP	Maricao	
MRD	Mojave River Dam	
MRE	Mariestad	
MREF	Refrontolo, Italy	
MREP	Makushin Rep'tr	
MRF	Miraflores	
MRFM	Railroad Flat South	
MRFT	Murafatepe	
MRG	Morgantown	
MRGE	Morge	
MRH	Marewa	
MRHQ	Morin Heights	
MRHZ	Matea Rd	
MRI	Mauritius Island	
MRIN	Marion BPA Site DOGAMI SMO	
MRIV	Mauritius Meteorological Services (Vacoas)	
MRJ	Moriya	
MRK	Morioka	
MRKA	Markates	
MRKH	Merkhyat	
MRKJ	Morioka 2	
MRL	Marmol	
MRLC	Muro Lucano	
MRMA	Marmari	
MRMJ	Muroto Misaki	
MRMT	Marmara Adasi	
MRN	Sint Maarten	
MRNI	Mount Meron	
MRNQ	Morin Heights	
MRO	Meridian	
MROB	Rosenbuehl-Arzberg	
MRP	Merapi	
MR-PA	Middleburg	
MRPI	Mariponipon	
MRR	Muroran	
MRRJ	Muroran 2	
MRS	Maars	
MRSI	Marisa	
MRSJ	Marsad	
MRSS	Morshin	MORS
MRT	Murotomisaki	
MRT2	Murotomisaki 2	
MRVC	Morongo Valley	
MRVI	Mt Valcellina	RCL
MRVN	Minervino Murge	
MRVT	Maraveh tapeh	
MRW	Makara Radio	
MRWA	Morawa	
MRX	Morelia	
MRY	Mary	
MRYT		
MRZ	Mangatainoka River	
MS-	Montrose	MS-PA
MS1	Monte Sant'Angelo (FG)	
MSA	Mount San Antonio	
MSAB	Monastry St. Andrei	
MSAG	Monte S. Angelo	
MSAI	Masohi	
MSAL	Mont Sano	
MSAR	Manila South	
MSB	Manso	
MSB1	Montesarchio	
MSBB	Schoenbrunner Berg-Wunsiedel	
MSC	Monte Massico	
MSCL	Scilla	
MSCO	Mesa State College	
MSCZ	Moutere Station	
MSDA	Masada	
MSE	Moose Creek	
MSEY	Mahe Island	
MSF	Maaselka	
MSFR	San Fratello	
MSG	Moessingen	
MSGF	Morne Soldat	
MSH	Mashhad	
MSH11	Mount St. Helen	
MSH21	Mount St. Helen	
MSH31	Mount St. Helen	
MSHA	Masjed Soleyman	
MSHR	Mys Shultsa	
MSI	Messina ING	
MSJ	Mission San Jose	
MSK	Misaki	
MSKJ	Misakubo	
MSKU	Masuku	
MSL	Mosul	
MSLP	Maasin	
MSM	Mount Sar Shalom	
MSMT	Mission Creek	
MSN	Misono	
MSNA	Messina	
MSNJ	Montclair St. U.	
MSNO	Moosonee Ontario	
MSNY	Massena	
MSO	Missoula	
MSOM	Makushin Julie Andrews	
MSON	Mazon	
MSP	Mount Santo Tomas	
MS-PA	Montrose	
MSPT	Saint Patrick	
MSR	Malnas	
MSRU	Castanea	
MSS	Messtetten	
MSSA	Maissana	
MSSI	Masamba	
MST	Mostar	
MSTB	Masset	
MSTD	Santandra', Italy	
MSTM	Stent	
MSTX	Muleshoe	
MSU	Marysvale	
MSUEL	Midwestern State University	
MSV	Monasavu	
MSVF	Nonsavu	
MSW	Makushin Switchbacks	
MSWZ	Moikau Station	
MSZ	Milford Sound	
MT1	Boracho Peak	
MT2	Eagle Mountain	
MT3	Miller Ranch	
MT4	Brite Ranch	
MTA	Mtatsminda	
MTAZ	Motutapu	
MTB	Montebello Ridge	
MTBL	Makushin Table Top	
MTC	Morgan Territory	
MTCE	Montecelio	
MTD	Mount Darwin	
MTDJ	Mount Denham	
MTE	Manteigas	
MTG	Montague Island	
MTGE	Mitogawa	
MTGR	Montagna Grande	
MTH	Montachique	
MTHF	Mouthoumet	
MTI	Mount Irish	
MTIG	Mestia	
MTJ	Mount Tsukuba	TSK
MTK	Mitaka	
MTKI	Muara Teweh, Kalimantan	
MTKN	Mount Kenneth	
MTKZ	Martakert	
MTL	Mount Taylor	
MTLAZ	Mount Logan	
MTLF	Montolieu	
MTLM	Mount Tassie Tower	
MTLO	Montello	
MTM	Matsumoto	
MTMJ	Matsumoto	
MTMW	Mount Mitchell	
MTN	Manton Dam	
MTNG	Tinghir	
MTNI	Mataram	
MTNZ	Martuni	
MTO	Montecristo	
MTO2	Montecristo 2	
MTOM	Cavaso del Tomba, Italy	
MTOR	TORKOZ	
MTP	Monte Pirata	
MTPB	Monte Pirata	
MTPC	Mountain Pass	
MTPM	Central Michigan University	
MTPU	Mount Pierson	
MTQ	Monturaqui	
MTR	Monterey	
MTRD	Mount Read	
MTRZ	Monterenzio	
MTS	Matsue	
MTSA	Monte Escuro	
MTSE	Matsula	
MTSH	Mount Sheppard	
MTSN	Montesano sulla Marcellana	
MTST	Matsu	
MTSU	Mount Surprise	
MTT	Monetta	
MTTG	Motta San Giovanni	
MTU	Montague Island	
MTUM	Tungsten Hills	
MTUR	Matau	
MTUT	Morton Thiokol	
MTV	Mount Tassie	
MTVR	Mutnovka	
MTVZ	Mangateitei	
MTW	Mount Morrison	
MTX	Marathon	
MTY	Matsuyama	
MTZ	Montezuma	
MTZV	Met	
MU-	Mt Baker	MU-WA
MUB	Muncho Lake	
MUCO	Mount Union College	
MUCR	Ucria	
MUD	Monsted U'grnd	
MUDI	Mud Lake	
MUDJ	Muduarah	
MUGIO	Muggio	
MUGL	Yilanlidag	
MUGZ	Murupara	
MUI	Mashhad University	
MUIF	Mont Vial	MVIF
MUJ	Mitsuishi	
MUK	Mukerian	
MUKH	Al Mukha	
MUKL	Al Mukalla	
MUKU	Mukachevo	
MUL	Mullan	
MULD	Muldenberg	
MUM	Manipur University	
MUMO	Musselwhite Mine	
MUMZ		
MUN	Mundaring	
MUNC	Munchique	
MUO	Muotathal	
MUR	Murgab	
MURB	Monte Urbino	
MURC	Murrieta	
MURR	Camp Murray	
MUS	Muskinabad	
MUSH	Mushullacta	
MUT	Mudurnu	
MUTC	Mutkov	
MU-WA	Mount Baker	
MUX	Union Juarez	
MUZ	Mutare	
MV-	Marysville	MV-CL
MV-CL	Marysville	
MVCO	Mesa Verde	
MVG	Mesters Vig	
MVH	Mountain View	
MVH1	Achvaich	
MVI	Minamidaito jima	
MVIF	Mont Vial	
MVKY	Maysville	
MVL	Millersville	
MVLT	Maryville	
MVM	Montagne Vauclin	
MVMO	Maryville College	
MVNO	Noumea	
MVO	Moncorvo	
MVOV	Montserrat Volcano Observatory	
MVT	Monte Vettore	
MVU	Marysvale	
MVW	Mud Volcano	
MW-	Mattawa	MW-ON
MWA	Mag Wash	
MWAB	Mount Washington	
MWC	Mount Wilson	
MWG	Munster	
MWH	Mokuaweoweo	
MWI	Montserrat	
MW-ON	Mattawa	
MWPI	Manokwari, Papua	
MWS	Mawashi	
MWZ	Matawai	
MX-	Manchester	MX-TN
MXC	Moxie City	
MXMB	Maximikha	
MX-TN	Manchester	
MXZ	Matakaoa Point	
MY-	McCrory	MY-AR
MYA	Malataya	
MY-AR	McCrory	
MYD	Miyazu	
MYG	Matka	
MYI	Mount Yahel	
MYK	Miyako zima	
MYKA	Terra Mystica	
MYKOM	Kota Tinggi	
MYKS	Mirrayikh	
MYLDM	Lahad Datu	
MYNC	Murphy	
MYO	Myokensan	
MYP	Myponga	
MYR	Moyori	
MYRZ	Mayor Island	
MYT	Moyuta	
MYV	Myrviken	
MYZ	Miyazaki	
MYZ2	Miyazaki 2	
MZ-	Mount Ida	MZ-AR
MZA	Mariazell	
MZ-AR	Mount Ida	
MZBI	Masada	
MZDA	Masada	
MZE	Maze	
MZEK	Zeckenberg-Ebnath	
MZF	Mazirat	
MZH	Maizuru	
MZH2	Maizuru 2	
MZI	Mizumiiro	
MZLS	Mizel	
MZM	Mzuzu	
MZO	Mazie Landing	
MZP	Montezuma Peak	
MZRK	Al-Mazaregh	
MZT	Mikazuki	
MZVM		
MZX	Mazatlan	
MZZ	Mansa	
N02C	Big Bar	
N06A	Buffalo Meadows, Empire	
N07A	Gerlach	
N07B	Gerlach	
N08A	GE Springer Mine, Mill City	
N09A	Rock Creek Ranch, Golconda	
N10	NORSAR Subarray 10C Beam Reference Point	
N10A	Dunphy	
N11	NORSAR Subarray 11C Beam Reference Point	
N11A	Elko Archery Club, Elko	
N12	NORSAR Subarray 12C Beam Reference Point	
N12A	Clover Valley, Wells	
N13	NORSAR Subarray 13C Beam Reference Point	
N13A	Wendover, West Wendover	
N14	NORSAR Subarray 14C Beam Reference Point	
N14A	Grayback Hills BLM, Clive	
N15A	Stansbury Island BLM, Grantsville	
N16A	Rees Ranch, Coalville	
N17A	Moffit Pass	
N18A	Larsen Ranch, Manila	
N19A	John Jarvie Ranch (BLM), Flaming Gorge	
N1R1	Vettahaugen	
N1R2	Lillevik	
N1R3	Nordsjona	
N1R4	Lillevand	
N1R5	Hammernes	
N1R6	Dalselv	
N20A	Spence Gulch, Sunbeam	
N21A	Black Mountain, Craig	
N22A	Wattenberg Ranch, Walden	
N23	N23	
N23A	Red Feather Lakes	
N24A	Carr	
N25A	Grover	
N26A	Koester Ranch, Padroni	
N27A	Anderson Farm, Haxtun	
N28A	Pribbeno Ranch, Imperial	
N29A	Votaw Ranch, Wellfleet	
N2B1	Tytingvag	
N2B2	Myklebust	
N2B3	Lovikneset	
N2B4	Drage	
N2B5	Haus	
N2B6	Leirgulen	
N2B7	Tytingvag	
N30A	Hueftle Ranch, Cozad	
N31A	Bailey Ranch, Gibbon	
N32A	Stulken Farm, Doniphan	
NA0	NORSAR 1A	NAO
NA11	North Anna	
NA12	North Anna	
NA2	North Anna	
NA5	North Anna	
NAA	Naalehu	
NAB	Nanaimo	
NABD	Nabeyama	
NABI	Nabire	
NAC	Naches	
NACB	Ninganchiao	
NACGM	Naroch	
NADR	Nagua	
NADZ	Nadzab	
NAE	Nake (Tuamotu)	
NAF	Naboro	
NAG	Nagoya	
NAGA	Nagai Island	
NAGO	Nago	
NAGR	Nagutskaya	
NAH	Naha	
NAH1	Naha	
NAHD	NAHD	
NAI	Nairobi	
NAIG	Nisos Aigina	
NAIN	Natchez Trace	
NAIT	NWS Agricenter	
NAIU	Northern Antelope Island	
NAJS	Najran	
NAK	Naxcivan	
NAKO	Nairobi	NAI
NAL	Nallihan	
NALS	Nice, Jardin Alsace-Lorraine	
NAM	Namangan	
NAMA	Namatanai	
NAMS	An Nimas	
NAN	Nanjing	
NANO	Nakina Ontario	
NANS	Nanahuazin	
NANT	Nan	
NANU	Nanutarra	
NAO	NORSAR Subarray 1A Beam Reference Point	
NAO00	NORSAR Array Site 01A00	NAO
NAO01	NORSAR Array Site 01A01	
NAO02	NORSAR Array Site 01A02	
NAO03	NORSAR Array Site 01A03	
NAO04	NORSAR Array Site 01A04	
NAO05	NORSAR Array Site 01A05	
NAP	Napay	
NAPF	Napfberg	
NAPP	Napperby	
NAQJ	Ras En-Naqb	
NAQL	Naqoura	
NAR	Nara	
NAR2		
NARA	Nara (Leontica)	
NARJ	Nu aruja	
NARM	Nariel	
NARO	Abbazia di Naro	
NART	Narlikuyu	
NARZ	Nor Artik	
NAS	Nasaqa	
NAS1	Nasa	
NAS2	Nasa	
NASN	Na'in	
NASU	Vaermlandsnaes	
NAT	Natal	
NATB	Natividade	
NATG	Natashquan Quebec	
NATM	Nattai	
NATN	Natchez Trace	
NATX	Nacogdoches	
NAU	Nanutarra	
NAV	Narrows	
NAVD	Navidad	
NAX	Nakhchivan	
NAY	Al-Naaiem	
NAZ	Nazwa, Dubai	
NB-	North Branch	NB-MN
NB2	NORSAR Subarray 2B Beam Reference Point	
NB200	NORSAR Array Site 02B00	NB2
NB201	NORSAR Array Site 02B01	

Code	*Station Name*	*Other*
NB202	NORSAR Array Site 02B02	
NB203	NORSAR Array Site 02B03	
NB204	NORSAR Array Site 02B04	
NB205	NORSAR Array Site 02B05	
NB3	NORSAR Subarray 3B Beam Reference Point	
NB4	NORSAR Subarray 4B Beam Reference Point	
NB5	NORSAR Subarray 5B Beam Reference Point	
NB6	NORSAR Subarray 6B Beam Reference Point	
NB7	NORSAR Subarray 7B Beam Reference Point	
NBBI	Negara	
NBD	Nebitdag	
NBG	Las Nubes	
NBH	North Bay	
NBK	Nectar Brook	
NB-MN	North Branch	
NBNS	Bani Suef	
NBO	NORSAR Subarray 1B Beam Reference Point	
NBO00	NORSAR Array Site 01B00	NBO
NBO01	NORSAR Array Site 01B01	
NBO02	NORSAR Array Site 01B02	
NBO03	NORSAR Array Site 01B03	
NBO04	NORSAR Array Site 01B04	
NBO05	NORSAR Array Site 01B05	
NBOR	Nice, Mont Boron	
NBP	Mount Natib	
NBPM	Berryessa Peak	
NBRM	Beebe Ranch	BBR
NBW	Neah Bay	
NC2	NORSAR Subarray 2C Beam Reference Point	
NC200	NORSAR Array Site 02C00	NC2
NC201	NORSAR Array Site 02C01	
NC202	NORSAR Array Site 02C02	
NC203	NORSAR Array Site 02C03	
NC204	NORSAR Array Site 02C04	
NC205	NORSAR Array Site 02C05	
NC27	ODP1027	
NC3	NORSAR Subarray 3C Beam Reference Point	
NC300	NORSAR Array Site 03C00	NC3
NC301	NORSAR Array Site 03C01	
NC302	NORSAR Array Site 03C02	
NC303	NORSAR Array Site 03C03	
NC304	NORSAR Array Site 03C04	
NC305	NORSAR Array Site 03C05	
NC4	NORSAR Subarray 4C Beam Reference Point	
NC400	NORSAR Array Site 04C00	NC4
NC401	NORSAR Array Site 04C01	
NC402	NORSAR Array Site 04C02	
NC403	NORSAR Array Site 04C03	
NC404	NORSAR Array Site 04C04	
NC405	NORSAR Array Site 04C05	
NC5	NORSAR Subarray 5C Beam Reference Point	
NC6	NORSAR Subarray 6C Beam Reference Point	
NC600	NORSAR Array Site 06C00	NC6
NC601	NORSAR Array Site 06C01	
NC602	NORSAR Array Site 06C02	NRE0
NC603	NORSAR Array Site 06C03	
NC604	NORSAR Array site 06C04	
NC605	NORSAR Array Site 06C05	
NC7	NORSAR Subarray 7C Beam Reference Point	
NC8	NORSAR Subarray 8C Beam Reference Point	
NC89	ODP889	
NC9	NORSAR Subarray 9C Beam Reference Point	
NCA	Nelchina	
NCAD	Nice - Cite Administrative des Alpes-Maritimes	
NCAT	North Carolina A&T Campus	
NCB	Newcomb	
NCBC	Barkley Canyon	
NCDM	Cavedale Road	CRD
NCE	Nasa Cotopaxi	
NCEN	NEPTUNE Canada Endeavour node	
NCFM	Canfield Road	
NCG	North Capps Glacier	
NCHR	NEPTUNE Canada High Rise	
NCJ	New Castle	
NCK	Nalchik	
NCM	Ninemile Creek	
NCO	Norsar Array Site 01C00	
NCOR	Newberry Crater	
NCRB	Newcastle Ridge	
NCS	Nueva Concepcion	
NCT	North Crescent	
NCU	National Central University	
ND-	Needles	ND-CL
NDA	Nedlands	
NDB	Naden	
ND-CL	Needles	
NDE	Delaikoro	
NDF	Nadi	
NDHM	Dunnigan Hills	
NDI	New Delhi	
NDMT	Ninemile Divide	
NDNU	Novodnistrovsk	
NDR	Nardaran	
NE01	Goteborg	
NE02	Monsted	
NE03	Logumkloster	
NE04	Witteveen	WIT
NE05	Utrecht	
NE06	Dourbes	DOU
NE07	Villiers-Adam	VDM
NE08	Aigurande	
NE09	Les Eyzies	
NE10	Arette	
NE11	Ainzon	
NE11*	La Almunia	
NE12	Valle Caidos	
NE13	Puertollano	
NE14	Granada	
NE15	Valkenburg	
NE16	Clermont-Ferrand	CFF
NE17	Toledo	TOL
NE18	Les Rejaudoux	RJF
NE19		LGR
NE20		ALM
NE21		MTE
NE22		MAL
NE23		FBR
NE24		ALI
NE25		EBR
NE26	Santiago de Compostela	
NE27	Evora	EVO
NE28	Zamora	
NE30	Santa Pau	
NE31	Losser	
NE32	Kootwijk	
NE33		MEM
NE34	Mettingen	
NE35	Billerbeck	
NE36	Bochum	
NE37	Ubbergen	
NE38	Dalfsen	
NE39	Krefeld	
NE40	Winterswijk	
NE41	Zyfflich	
NE42	Fort Lent	
NE51	Saint Petersburg	
NE52	Pskov	
NE53	Naroch'	
NE54	Brest	
NE55	Skvira	
NE56	Odesa	
NE57	Homyel'	
NE58	Poltava	
NE61	Nurmija@14rvi	NUR
NE62	Kangasniemi	
NE63	Kauhava	
NEA	Nenana	
NEC	Neuchatel	
NED	Newark	
NEE	Needles	
NEE2	Needles Airport, Needles	
NEEM	North Greenland Eemian Ice Drilling site	
NEER	Neeritter	
NEF	NEVSHA	
NEGI	Seborga	
NEI	Neipperg	
NEJ	Negril	
NEL	Nelson	
NELS	Mount Nelson	
NEM	Nemuro	
NEM2	Nemuro 2	
NEMQ	Nemaska	
NEN	Nelson	
NEO	Neokhori	
NEST	Nestorio	
NEU	Neuchatel	
NEUB	Neuenburg	
NEUQ	Neuquen (mine)	
NEV	Hard Times	
NEVR	Nevel'sk	
NEW	Newport	
NEWO	Newport DOGAMI SMO	
NEY	Neytrino	
NEZ	North Egmont	
NFIM	Farallon Islands	
NFK	Norfolk Island	
NFP	NAFPAKTOS	
NFRM		FTR
NG-	Niagara	NG-WS
NGA	Galoa	
NGC	Ngoundere	
NGH	National Guard	
NGHE	Neginohata	
NGI	Nagai Island	
NGJ	Na-gawa	
NGJA	Assam	
NGJI	Ngawi	
NGL	North Gasline	
NGMR	NGMR	
NGN	Nagano	
NGNA	Nongstoin	
NGO	Nago	
NGO1	Nago	
NGP	Nagpur	
NGRK	Negar Kerman	
NGS	Nagasaki	
NGSJ	Nagasakinomozaki	
NGT	Nagatsuro	
NGVM		GVR
NG-WS	Niagara	
NGZ	Ngauruhoe	
NH1	Sanbornton	
NHA	Nha-Trang	
NHB	Bethesda--National Naval Medical Center	
NHBM	Healdsburg	
NHC	New Haven	
NHF	Nausori Highlands	
NHIL	New Haven	
NHIM	Nhimo	
NHM	Niihama	
NHMM	Mt Hamilton Road	HMR
NHN	Nahan	
NHS	North Hampton	
NHSA	Nikolaevsk School	
NHSC	New Hope	
NIA	Norfolk Island	
NIAN	Nian	
NIB	Nibetsu	
NIC	Nicosia	
NICH	Los Niches	
NICHA	Nichawak Mountain	
NIE	Niedzica	
NIG	Nigde	
NIHS	Ingelmoor High School	
NII	Niigata	
NIIJ	Niigata 2	
NIK	Nikolski	
NIKH	Nikolski High Hill	
NIKO	Nikolski	
NIKU	Nikkaluokta	
NIL	Nilore	
NIN	Ninilchik One	
NINI	Niniconang	
NIS	Nissan Island	
NIS1	Nisyros Isl.	
NIS2	Nisyros Isl.	
NIS3	Nisyros Isl.	
NIS4	Nisyros Isl.	
NISR	Nisiros	
NISS		
NIU	Niumate	
NIUE	Niue	
NIW1	Wetzens (Niawier)	
NIW2	Wetzens (Niawier)	
NIW3	Wetzens (Niawier)	
NIW4	Wetzens (Niawier)	
NIZ	Nizh Angarsk	
NJ2	Nanjing	
NJI	Nanjing	NAN
NJJ	Nii jima	
NJJJ	Nii jima 2	
NJS	Nagarjunasagar	
NJW	Norris Junction	
NKA	Nikishka	
NKC	Novy Kostel	
NKE	Nake	
NKI	Nikolski	
NKK	Na'kalak'ari	
NKL	Nikolayevsk	
NKM	Nakhla	
NKME	Niksic	
NKP	New Kensington	
NKR	Nakanohara	
NKS	Nakayama Pass	
NKT	Nankipoo	
NKY	Niksic	
NL-	Nazlini	NL-AZ
NL2	Nazlini	
NL2AZ	Nazlini	
NL9	Nola	
NLAI	Namlea	
NL-AZ	Nazlini	
NLC	Nalytchevo	
NLG	Nalgonda	
NLHM	Lake Herman	
NLIB	Nice, Liberation	
NLLB	Nanaimo Lost Lake,BC	
NLM	Maryland--Naval Ordinance Lab	
NLNM		LOC
NLO	Nicolai Mountain	
NLU	North Lily Mine	
NLW	Nelson Butte	
NLWA	Neilton Lookout	
NLY	Nelyaty	
NLYR	Nelyaty	
NMA	Nantucket	
NMAN	Kulet Umm Tiheiwat	
NMC	Nine Mile Canyon	
NMCC	Northern Marianas College	
NMCM		NMC
NMD	New Madrid	
NMEM	New Madrid Sch	
NMEZ	Namu Road	
NMF	Viti Levu	
NMH	New Mexico Highlands	
NMHM	Mount Saint Helena	
NMHZ	Naumai	
NML	Miaoli City	
NMM	New Madrid	
NMMO	New Madrid	
NMN	Nasa Mountain	
NMO	Norman	
NMR	Nemuro--Hokkaido University	
NMS	Namosi	
NMSQ	Nemaska Station	
NMTM	Middletown	
NMUT	North Mineral Mountain	
NMWM	Mark W Springs	MAC
NMXM	Mix Canyon Road	MIX
NNA	Nana	
NNAL	NNAL	
NNJ	Nakano	
NNK	Norton	
NNL	Ninilchik	
NNS	Nan Shan	
NNT	Nongplab	
NNZ	Nelson	
NOA	NORSAR Array Beam Reference Point	NB2
NOB	Nobeoka	
NOC	Noumea	
NOCG	North-of-Casa	
NOCI	Noci	
NOD	Norderasen	
NODN	Nodinka Narrows	
NOH	Ma'ale Noah	
NOJ	Nojiri	
NOL	New Orleans	
NOLM	Olema	
NOM	Nome	
NONO	Nono	
NOP	Nopah Range	
NOQ	North Oquirrh Mountains	
NOR	Nord	
NORC	Norcasia	
NORES	NORESS Array Beam Reference Point	
NORI	Noerdlinger Ries-Bissingen	
NORM	Noumea	
NOSH	Now Shahr	
NOTT	Nottersdorf	
NOU	Noumea	
NOUC	Port Laguerre	
NOUE	Nou	
NOV	Novara	
NOV1	NOV1	
NOV2	NOV2	
NOV3	NOV3	
NOV4	La Tour-de-Pellz	
NOVE	Novellara	
NOVS	Nova Varos 1	
NOWS	NOAA--Sand Point	
NOZ	North Gisborne	
NP-	North Pole	NP-NT
NPA	Nampula	
NPH	North Pit	
NPI	North Pocatello Valley	
NPL	Naples	
NPM	North Pahute Mesa	
NPN	North Pahroc Range	
NP-NT	Mould Bay	
NPNY	Mohonk Preserve	
NPO	Eielson Array	
NPOR	Nice, Eglise du Port	
NPPZ	NPP	
NPR	Napier	
NPRI	New Reactor	
NPRM	Point Reyes	
NPS	Neapolis	
NPT	Nicholson Point	
NPZ	New Plymouth	
NR-	Niobrara River	NR-NB
NRA	North River	
NRA0	NORESS Array Site A0	NORES
NRA1	NORESS Array Site A1	
NRA2	NORESS Array Site A2	
NRA3	NORESS Array Site A3	
NRAU	Nora	
NRB1	NORESS Array Site B1	
NRB2	NORESS Array Site B2	
NRB3	NORESS Array Site B3	
NRB4	NORESS Array Site B4	
NRB5	NORESS Array Site B5	
NRC1	NORESS Array Site C1	
NRC2	NORESS Array Site C2	
NRC3	NORESS Array Site C3	
NRC4	NORESS Array Site C4	
NRC5	NORESS Array Site C5	
NRC6	NORESS Array Site C6	
NRC7	NORESS Array Site C7	
NRCA	Norcia	
NRD	Nordlingen	
NRD1	NORESS Array Site D1	
NRD2	NORESS Array Site D2	
NRD3	NORESS Array Site D3	
NRD4	NORESS Array Site D4	
NRD5	NORESS Array Site D5	
NRD6	NORESS Array Site D6	
NRD7	NORESS Array Site D7	
NRD8	NORESS Array Site D8	
NRD9	NORESS Array Site D9	
NRDL	Niedersach Riedel	
NRE0	NORESS Array Site E0	
NRFK	Norfolk	
NRGR	Nerungri	
NRI	Noril'sk	
NRIK	Noril'sk	
NRIL	Noril'sk	
NRIS	Noril'sk	
NRJ	Nirehara	
NRK	Nurek	
NRL	Washington--Naval Research Laboratory	
NRM	North Rainier Mesa	
NRME	Naramoto	
NRMH	Kita-Gairin	
NRMS	Noranda	
NRN	Naryn	
NR-NB	Niobrara River	
NROC	Nice, Saint-Roch	
NRR	North Reno	
NRS	Narsarsuaq	
NRT	Northfield	
NRTU	Norrtaelje	
NRY	Nirayama	
NRZ	Ngariki Road	
NSAL	Nisos Salamina	
NSC	North Stonington	
NSD	Nasudden	
NSHM	Saint Helena Road	
NSI	Nishiizu	
NSK	Sanguang	
NSKD	NSKD	
NSKO	Neskantaga (Lansdowne House)First Nations Ontario	
NSLM	New Salem	
NSLU	Nyzhne Selyshche	
NSP		
NSPM		SNT
NSR	Nassriya	
NSS	Namsos	
NST	Nakhon Sawan	
NSTT	Nanjuang	
NSU	North Stansbury	
NSW	Nakanosawa	
NSY	Sanyi	
NT-		NT-NV
NT13	Thirsty	
NT2		NT2NV
NT2NV	Nevada Test Site	
NTA	Nevada Test Site Array	
NTBM	Tomales Bay	
NTI	Nordman	
NTK	Nunatak	
NTMM	Taylor Mountain	
NT-NV	Nevada Test Site	
NTP	Nathian	
NTPM	Mount Tamalpais	
NTS	Ninotsminda	
NTV	Nha Trang	
NTYM	Taylor	

Code	Station Name	Other
NUB		
NUE	Niue	
NUK	Nuku'alofa	
NUKS	Nukus	
NUM	Numazu	
NUNN	Nunuq Camp, NU	
NUR	Nurmija@14rvi	
NURP	Nurpur	
NUT	Nurata	
NUUG	Nuugaatsiaq	
NUUK	Nuuk	
NUXM	Nuxco	
NV01	Mina Array Site 1	
NV02	Mina Array Site 2	
NV03	Mina Array Site 3	
NV04	Mina Array Site 4	
NV05	Mina Array Site 5	
NV06	Mina Array Site 6	
NV07	Mina Array Site 7	
NV08	Mina Array Site 8	
NV09	Mina Array Site 9	
NV1	North Anna 1	
NV10	Mina Array Site 10	
NV11	Mina Array Sites 11 and 31	
NV2	North Anna 2	
NV3	North Anna 3	
NV32	Mina Array Site 32	
NV33	Mina Array Site 33	
NV4	North Anna 4	
NV5	North Anna 5	
NV6	North Anna 6	
NV7	North Anna 7	
NVAR	Mina Array Beam Reference Point	
NVBH	Bath Hotel, Nevis	
NVL	N'lazarevskaya	
NVLJ	Novalja	
NVR	Nevrokopi	
NVRH	Round Hill, Nevis	
NVS	Novosibirsk	
NVSS	Nova Varos 2	
NW2	New River	
NWA	Narrogin	NWAO
NWAO	Narrogin (SRO)	
NWC	North Woods Club	
NWEZ	Newall Road	
NWF	Wu-fen Shan	
NWL	Newcastle	
NWR	Narrow River	
NWRM	Wright Ranch	
NY14	Universidad de la EARTH en Liberia	
NYA	Nyala	
NYAM	Volcan Nyalulag	
NYC	Charley	
NYI	Volcan Nyirag	
NYJ	Joshua Tree	
NYK	Nykoping	
NYM	Climax Mine	
NYNU	Nynaeshamn	
NYR	Receiver Site	
NYRK	Nyeri	
NYS	Syncline Ridge	
NYV	Vern	
NZB	Bigte	
NZJ	Naze	
O01C	Eel River Conservation Camp, Redway	
O02C	Red Bluff	
O03C	Acorn Hollow, Los Molinos	
O04C	Chester	
O05C	Quincy	
O06A	Flanigan	
O07A	Toulon	
O08A	Rochester Mine, Lovelock	
O09A	Fish Creek Ranch, Battle Mountain	
O10A	Cortez Mining, Crescent City	
O11A	Cowboy Ranch, Jiggs	
O12A	Currie	
O13A	Hicks Ranch, Ibapah	
O15A	The Old Anderson's Place, Rush Valley	
O16A	Springville	
O17A	Robinson Place, Fruitland	
O18A	Roosevelt	
O19A	Miners Draw (BLM), Jensen	
O20A	White River City	
O21A	Pagoda	
O22A	Kremmling	
O23A	Lake Granby, Granby	
O24A	Longmont	
O25A	Wiggins	
O26A	Horse Wrangler Ranch, Akron	
O27A	Beecher Island, Eckley	
O28A	Krutsinger Ranch, Parks	
O29A	4D Ranch, Culbertson	
O30A	MW Ranch, Wilsonville	
O31A	Woolen Ranch, Alma	
O32A	Brockman Farm, Red Cloud	
O33A	Hebron	
O6A	E Barbuda OBS	
OA-	Oahu Island	OA-IS
OA-IS	Oahu Island	
OAK	Oakfield	
OAQ	Quito	
OAR	Oum El Arais	
OAS	Oasis	
OAUI	Ile-Ife	
OAX	Oaxaca	
OB2NV	Oak Springs Butte	
OB3NV	Oak Springs Butte	
OBA	Oasis-Bungera	
OBB	Obsidian Butte	
OBC	Olympics--Bonidu Creek	
OBER	Oberstdorf	
OBG	Obi Garm	
OBH	Olympics--Burnt Hill	
OBHM	Bloomer Hill	
OBI	Obihiro	
OBIP	Obispado Ponce	
OBK	Oberlin	
OBKA	Obir	
OBLS	Djebel Bou Ietas	
OBM	Ulan Bator	
OBN	Obninsk	
OB-NV	Oak Springs Butte	
OBO	Obock	
OBR	Brabster	
OBS	Ocean Bottom Seismometer	
OBSR	Observation Rock	
OBSV	Observatory	
OBY	Ambatonomby	
OBZ	Oban	
OC2	Ocos 2	
OC9	Casamicciola	
OCA	Owens Crossroads	
OCAC	Ocana	
OCF	Saint Nazaire	
OCG	Ocos	
OCHM	Cohasset Ridge	
OCHR	Omchak	
OCLP	Ormoc	
OCM	Ochomogo	
OCN	Over Castle Rock	
OCO	Oklahoma City	
OCP	Olym-Cheeka Pk	
OCR	O'Connell Ranch	
OCUV	OCUMARITO	
OCWA	Octopus Mountain	
OD2	Odessa Site #2	
ODAN	Odare	
ODB	Odobesti	
ODBI	Odobesti	
ODD	Odda	
ODD1	Odda	
ODJA	Bouhanifia	
ODK	Oud Koma	
ODNJ	Ogdensburg	
ODS	Odessa	
ODSE	Onioshidashi	
ODZ	Otahua Downs	
ODZI	Dziouia	
OFA	Oficina Alemania	
OFB	Ocean Falls	
OFBG	Offenburg	
OFD	Oued Fodda	
OFFI	Offida	
OFK	Olympics--Forks	
OFR	Olym-F Res Ctr	
OFRI	'Ofer	
OFU	Ofunato	
OFUJ	Ofunato	
OG01	Vacheresse	
OG02	Monnetier-Mornex	
OG03	Samoens	
OG04	La Clusaz	
OG05	Jujurieux	
OG06	Moye	
OG07	Sainte-Reine	
OG08	Commelle	
OG09	Saint-Thibaud-de-Couz	
OG10	Saint-Etienne-de-Cuines	
OG11	Montagny	
OG12	Villaroger	
OG13	Choranche	
OG14	Saint-Maurice-en-Valgodemard	
OG15	Briangon	
OG16	Combovin	
OG17	Prunihres	
OG18	Albannette	
OG19	Saint-Julien-en-Beauchene	
OG20	Riallon	
OG21	Saint-Cripin	
OG22	Abries	
OG23	Tende	
OG24	Aussois	
OG25	Le Caire	
OG26	St.-Nazaire-Desert	OCF
OG27	Meolans	
OG28	Izon-la-Bruisse	
OG29	Digne	
OG30	Villeneuve d'Entraunes	
OG32	Castellane	
OG33	Roure	
OG34	Musihges	
OG35	Corcelles	
OGA	Obergurgl	
OGAG	Argentiere	
OGD	Ogdensburg	
OGDI	Digne	
OGE	Ogeu	
OGH	Oga	
OGNE	Ogallala	
OGOM	Van Goodin Ranch	
OGRR	Ongureny	
OGS	Ogasawara	
OGSI	Sixt	
OGSO	Ohio Geological Survey, Columbus	
OGTN	Old Graveyard	
OGU	Ogden Bay	
OGWZ	Otaki Gorge	
OHAK	Old Harbor	
OHC	O'Higgins	
OHCM	Honcut	
OHD	Ohdaira	
OHH	Osh	
OHJ	Ohira	
OHLN	Ohlone	
OHM	Omihachiman	
OHO	Hoy	
OHR	Ohrid	
OHRN	Oohira	
OHS	Orange Hill	
OHTN	Owl Hoot	
OHTR	Okhotsk	
OHW	Oak Harbor	
OHWZ	Ohakea	
OIA	Oishiyama (A)	
OIB	Oishiyama (B)	
OIC	Oishiyama (C)	
OII	Orti	
OIS	Oishiyama	
OIT	Oita	
OIT2	Oita 2	
OIW	Oiwake	
OIZ	Oio	
OJBR	Djebel Berber	
OJC	Ojcow	
OJEN	Ojen	
OJGS	Djebel Guires	
OJOS	Ojo de Agua	
OK001	Jones High Sch.	
OK002	Wilshire Harrah	
OK003	Hefner Road	
OK004	Okla Sci Mus	
OK005	Luther M School	
OK006	Choctaw High	
OK007	Harrah City Hall	
OK008	Spencer City Hall	
OKA	Okayama	
OKA1	Okayama	
OKA2	Okayama 2	
OKAH	Ooka	
OKAK	Okmok	
OKB	Okabe	
OKC	Ostrava-Krasne	
OKCD	Okmok Cone D	
OKCE	Okmok Cone E	
OKCF	Okmok Cone F	
OKCFA	Oklahoma City	
OKCSW	OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA USA	
OKER	Okmok East Rim	
OKFG	Magazine Ridge	
OKG	Oak Grove	
OKGL	Djebel Kef Guellal	
OKH	Okha	
OKHT	Okhotsk	
OKI	Okijuku	
OKID	Okmok Mt. Idak	
OKJL	Djebel Kodjel	
OKL	Od Khalfella	
OKN	Okuno	
OKP	Okiep	
OKRE	Okmok R'deer Pt	
OKS	Okushiri	
OKSO	Okmok South	
OKSP	Okmok Steeple Pt	
OKTD	Tabubil	
OKTU	Okmok Mt. Tulik	
OKWE	Okmok W'ng Wall	
OKWR	Okmok West Rim	
OKY	Okuyama	
OLB	Olbia	
OLC	Olema	NOLM
OLCH	Olmue	
OLDB	Oldbury-Upon-Severn	
OLEF	Ile d'Oleron	
OLF	Olofstrom	
OLFT	Oleftalsperre	
OLG	Olintepeque	
OLGA		
OLHC	Oulhaca	
OLIL	Olney	
OLK	Olkaria	
OLL	Ollague	
OLLA	Las Ollas	
OLO	Oologah	
OLQ	Olympics--Lake Quinault	
OLT	Olot	
OLW	Olympia	
OLWK	Olkaria West	
OLY	Olyphant	
OLYC	Mount Olympus	
OMA	Omae zaki	
OMCO	Orchard Mesa	
OME	Ometepe	
OMET	Metahra	
OMID	Djebel Midouna	
OMJ	Ohmine	
OMM	Old Mammoth Mine	
OMP	Cagayan Oro	CGP
OMRZ	Omania	
OMS	Omsukchan	
OMW	Omak	
OMWY	Oxenhope Moor	
OMZ	Oamaru	
ON2	Olympics--North River	
ONA	Onahama	
ONAJ	Iwakimizuishiyama	
ONCR	Oncesti	
ONE	Onerahi	
ONF	Office Forets	
ONG	Ongoro	
ONH	Oakhill	
ONI	Oni	
ONR	Olympics--North River	
ONTN	Oneida	
ONTR	Ontario (NY)	
ONTRN	Noumea	
OO-	Oslo	OO-NW
OOM	Omiya	
OO-NW	Oslo	
OOS	Ooshika	
OOT	Ootomari	
OOW	Octopus West	
OPA	Opana	
OPC	Olympic Penn College CREST BB SMO	
OPL	Opal Mound	
OPLO	Oploo	
OPO	Ambohidratompo	
OPP	Oppenau	
OPPE	Oppeano	
OPRZ	Ohinepanea	
OPT	Oil Point	
OR-	Orlando	OR-FL
OR1	Oriolo Calabro	ORI
ORA	Oran	
ORAM	Rattlesnake Point	
ORB	Orbe	
ORC	Owens River	
ORCC	Oricopia Mountain	
ORCD	Orcadas	
ORCV	Isla La Orchila	
ORDF	Ordiarp	
ORDU	Ordu-Boztepe	
ORE	Reay	
OR-FL	Orlando	
ORG	Organya	
ORGA		
ORGV	Orgiva	
ORH	Orhaniye	
ORHO	Orleans, Heritage Park	
ORHR	Oreshnoe	
ORI	Oriolo Calabro	
ORIF	Oris-en-Rattier	
ORIO	Orleans, Innes Road, Ontario	
ORIV	Oritupano	
ORJ	Oura	
ORK	Orkelljunga	
ORL	Orlik	
ORLT	Orhaneli	
ORNO	Orono	
ORO	Oropa	
ORR	Orenburg	
ORT	Oak Ridge	
ORV	Oroville	
ORX	Oropa	
ORY	Orie	
ORZI	Orzinuovi	
OSA	Osaka	
OSB	Orangeburg	
OSBY	Osborn	
OSC	Orangeburg	
OSCH	Osorno	
OSCM	Ostuacan	
OSD	Olympics--Snow Dome	
OSG	Oseberg A Platform	
OSGS	Os	
OSH	Oshima	
OSHJ	Oshima	
OSI	Osito Adit	
OSK	Osaka	
OSKI	Oschiri	
OSKU	Oskarshamn	
OSL	Oslo	
OSLO	Ohio State University--Lima	
OSM	Ostula	
OSML	Os-Marcillon	
OSMO	Ohio State University--Mansfield	
OSMR	Ostromysovka	
OSMT	Osmaniye	
OSNY	Ossining	
OSP	Olympics--Sooes Peak	
OSPF	L'Ospedale	
OSR	Olympics--Salmon Ridge	
OSS	Ova Spin	
OSSF	Osses	
OSSR	Ossora	
OST	Stronsay	
OSTC	Ostas	
OSTM	Stimpson Lane	
OSTU	Oestervaala	
OSUM	Sutter Buttes	
OSUO	Ohio State University	
OSV	Paramo de la Osa	
OSWG	Oswego	
OT001	1031 Sheenboro Crescent, Ottawa	
OT002	1514 Bourcier, Ottawa	
OT004	16, Winslow Court, Ottawa	
OT006	959, Brant, Ottawa	
OT008	2758 Massicotte Lane, Ottawa	
OT011	OT011	
OT012	7 Observatory Cres., Ottawa	
OT2	Othello	
OT3	Othello 3	
OTAV	Otavalo	
OTAZ	Otara	
OTBB	Blackburn lab bldg12	
OTBM	Table Mountain	
OTER1	Otterbach 1 (BS)	
OTER2	Otterbach 2 (BS)	
OTGH	Glebe high school	
OTH	Othello	
OTI	Otiai	
OTK	Orto-Tokoy	
OTL	Oterleek	
OTL1	Oterleek	
OTL2	Oterleek	
OTL3	Oterleek	
OTL4	Oterleek	
OTLM	Tlemcen	
OTNM	Canadian Museum of Nature	
OTO	Tongue	
OTP	Otepa	
OTPR	Odiongan	
OTR	Olympics--Tyee Ridge	
OTRO	Otter Rapids	
OTRP	Odiongan	
OTSS	Djebel Tessala	
OTT	Ottawa	
OTTER	Otterbach	
OTUK	Ortayu	
OTVZ	Oturere	
OTW	Orongorongo Tunnel	
OTWM	No. 579 Westminster Ave.	
OTZ	Ortiz Mountain	
OUA	Ouanaham	
OUAO	Ohio University	
OUFX	Oulainen	
OUJ	Oujda	
OUK	Oukaimeden	
OUL	Oulu	
OUR	Ouranopolis	
OUT	Outlet	
OUZ	Omahuta	
OV1	Vesuviano	OVO
OVA	Ovalau	
OVCH	Ovalle	
OVE	Overton	
OVEH	Oceanview Est	
OVMT	Ovando	
OVO	Vesuviano	
OWA	Owase	
OWAM	Wyandotte	OWYM
OWE	Westray	
OWUT	Old Woman Plateau	
OWYM	Wyandotte	
OXBJ	Oaxaca	
OXD	Oxford	
OXF	Oxford	
OXM	Oxtotitlan	
OXMT	Ox Mountain	
OXX	Oaxaca	
OXZ	Oxford	
OYM	Oyama	
OYT	Oya 1	
OYT2	Oya 2	
OZB	Mount Ozzard	
OZC	Ocozocoautla	
OZE	Ozernaya	
OZUR		

Code	*Station Name*	*Other*
P01C	Double 8 Ranch, Willits	
P05C	Yuba Gap, Truckee	
P06A	Stead Airport, Stead	
P07A	Fallon	
P08A	Dixie Valley	
P09A	Austin	
P10A	Eureka	
P11A	Circle Ranch, Eureka	
P12A	McGill	
P13A	Bates Ranch, Gandy	
P14A	Drum Mountains (BLM), Topaz	
P15A	Leamington	
P16A	Fountain Green	
P17A	Butcher Ranch, Price	
P18A	Preston Nutter Ranch, Sunnyside	
P19A	Cripple Cowboy Ranch, Baxter Pass	
P20A	De Beque	
P21A	Newcastle	
P22A	Eagle	
P23A	Jefferson	
P24A	Kohler Place, Littleton	
P25A	Willow Gulch Bison Ranch, Deer Trail	
P26A	Davis Ranch, Arriba	
P27A	Ficken Ranch, Kirk	
P28A	Saint Francis	
P29A	Atwood	
P30A	Selden	
P31A	Stockton	
P32A	Huiting Farm, Downs	
P33A	Williams Farm, Concordia	
P403	Sandy Floe Quarry	
PA01	PA01 North	
PA02	PA02 Ocean	
PA03	PA03 Flamable	
PA04	PA04 Cage	
PA05	PA05 Willingdon	
PA12	PA12 Sannich	
PAA	Panguna	
PAAR	P'arak'ar	
PAB	San Pablo	
PAC	Palo Alto--Branner	
PACB	Port Alice, BC	
PACH	Papudo	
PACI	Pancar Gunung	
PACP	Pacheco Peak	
PACT	Alcochete	
PACW	Pacific Creek	
PAD	Padua	
PADM	Adeladia	
PAE	Paea	
PAF	Port-aux-Francais	
PAG	Le Parnasse	
PAGF	Fort de Pagny la Blanche C¨·te (52)	
PAGM	Antelope Grade	
PAGN	Pagan	
PAGS	Pennsylvania Geol. Surv.	
PAGV	Pagan Volcano	
PAGZ	Pagadian	
PAH	Pahoa	
PAHR	Pah Rah Range	
PAHZ	Panekirikiri	
PAI	P Aileron	
PAIG	Paliouri	
PAJ	Port Antonio	
PAJU	Pajala	
PAK0	Pari Array Site 0	
PAKY	Paducah	
PAL	Palisades	
PALA	Palora	
PALB	Palub	
PALC	Alcoutim	
PALK	Pallekele	
PALM	Palmichal	
PALN	Palana	
PALO	Palomo	
PALP	Palanan	
PALR	Palma Real	
PALU	Palau	
PALV	Tres Palos	
PALZ	Palazzo San Gervasio	
PAM	Palermo	
PAMA	Santo Amaro	
PAMF	Morne Pavillon	
PAN	Panimavida	
PAND	Andorre	
PANG	Puerto Angel	
PANI	Panarotta	
PANJ	Princeton	
PANM	San Antonio Reservoir	
PANV	Panamint Range	
PAO	Baotou	BTO
PAOL	Paolisi	
PAP	Pandan	
PAPH	Port-au-Prince	
PAPM	Alder Peak	
PAR	Paris	
PARA	Parapanda	
PARB	Paraibuna	
PARC	Parchiule	
PARD	Parod	
PARM	Anticline Ridge	
PARMO	Parma	
PARN	Parndana	
PARR	Paradise	
PART	Garmisch-Partenkirchen	
PARV	Pariaguan	
PARZ	Papamoa	
PAS	Pasadena	
PASC	Pasadena Art Cn	
PASE	Minerbio--Passere	
PASI	Pasiripis	
PAST	Pastocalle	
PAT	Patras	
PAT1	Patacocha	
PAT2	Paterson 2	
PATA	Patacocha	
PATCX	Punta Patache	
PATS	Pohnpei	
PATW	Paterson	
PATZ	Paeroa	
PAU	Pauzhetka	
PAUV	EL PAUJM	
PAV	Pavia	
PAWZ	Paruwai Farm	
PAX	Paxson	
PAY	Chiapas	
PAYG	Puerto Ayora	
PAYL	Puyallup School ANSS-SMO	
PAYV	Puerto Ayacucho	
PAZ	Puerto Azul	
PB-	Parsons	
PB01	Plate Boundary	
PB02	Plate Boundary Site 02	
PB03	Plate Boundary Site 03	
PB04	Plate Boundary	
PB06	Plate Boundary	
PB07	Plate Boundary	
PB08	Plate Boundary Site 08	
PB09	Plate Boundary	
PB10	Plate Boundary Site 10	
PB11	Plate Boundary	
PBA	Port Blair	
PBAR	Barrancos	
PBC	Punta Burica	
PBDV	Barranco-do-Velho	
PBEJ	Beja	
PBF	Porcher Bluff	
PBG	Petersburg	
PBG1	Petersburg	
PBIG	Penon de los Banos, D. F.	
PBIS	Biscoitos	
PBJ	Presa Benito Juarez	
PBKI	Pangkalan Bun	
PBKT	Sadao Pong	
PBMO	Poplar Bluff	
PBO3	Pozo tres de Borinquen	
PBOI	Pico dos Bois	
PBQ	Poste Baleine	
PBRG	Braganca	
PBRM	Bassetti Ranch	
PBS	Pigeon Bay	
PBSI	Pulau Batu	
PB-TN	Parsons	
PBU	Perry Basin	
PBV	Petersburg	
PBVM	Pinon	
PBWM	Bitterwater Creek	BTW
PBX	Punta Banda	
PBYM	Bryson	
PC-	Picayune	PC-MS
PCA	Pinnacle	
PCA1	Carrot	
PCAB	Cabril	
PCAL	Alvares	
PCAM	Castle Mt.	CTM
PCAN	Candelaria	
PCAS	Casmilo, Condeixa	
PCB	Port Clements	
PCBI	Pancar Batu	
PCBR	Castelo Branco	
PCC	Pilarcitos Creek	
PCDR	Punta Cana, DR	
PCED	Cedros	
PCEP	Pierce County East Precinct	
PCF	Pomona	
PCFR	Pierce County Firing Range	
PCG	Pacaya	
PCGM	Cerro Alto Campground	
PCH	Pirque	
PCHF	Pas de la Coche	
PCHP	Portachuelo	
PCHR	PETRACHIOAIA	
PCI	Palu	
PCID	Pole Creek	
PCIG		
PCJ	Portland Cottage	
PCJI	Pacitan	
PCL	Pacheco Lake	
PCM	Pelee Case Petit	
PCMD	Pierce County Mountain Detachment	
PC-MS	Picayune	
PCMT	Pistol Creek	
PCN	Piacenza	
PCND	Candelaria	
PCNE	Platte Center	
PCNG	Congro	
PCO	Ponca City	
PCOI	Coimbra	
PCOU	Corrie	
PCP	Piancastagn	
PCPH	Palayan	
PCR	La Plaine Cafres	
PCRM	Curry Mountain	
PCRV	Puerto La Cruz	
PCRZ	Pico da Cruz	
PCS	Paracas	
PCT	Pak Chong	
PCU	Price	
PCVE	Castro Verde	
PCY	Pole Canyon	
PCYT	Pengchaiyu	
PD-	Princeton	PD-BC
PD01	Pinedale Array Site 1	
PD02	Pinedale Array Site 2	
PD03	Pinedale Array Site 3	
PD04	Pinedale Array Site 4	
PD05	Pinedale Array Site 5	
PD06	Boulder Array	BW06
PD07	Pinedale Array Site 7	
PD08	Pinedale Array Site 8	
PD09	Pinedale Array Site 9	
PD10	Pinedale Array Site 10	
PD11	Pinedale Array Site 11	
PD12	Pinedale Array Site 12	
PD13	Pinedale Array Site 13	
PD31	Pinedale Array Site 31	PDAR
PDA	Ponta Delgada	
PDAR	Pinedale Array Beam Ref. Point	
PDB	Pedro Bay	
PD-BC	Princeton	
PDC	Pieve di Cadore	
PDCR	Pedra do Cavalo	
PDD	Puy-de-Dome	
PDDM	Pindari Dam	
PDEM	Puerto del Eden	
PDG	Podgorica	TTG
PDGK	Podgornoye	
PDHT	Panda Hill	
PDI	Porto d'Ischia	
PDIAR	Pinedale Infrasonic Array Beam Reference Point	
PDK	Podkova	
PDKS	Podkum	
PDMC	Merrill Creek	
PDMCI	Parker Dam,Lake Havasu City	
PDMV	Paramo Marino	
PDNS	Pedernales	
PDO	Prodromos	
PDP	Pandan	
PDRG	Pedrog??o	
PDRM	Domengine Ranch	
PDSI	Padang	
PDTN	Piedmont	
PDUI	Pindiu	
PDY	Peleduy	
PDY31	Peleduy Array Site 31	
PDYAR	Peleduy Array Beam Reference Point	
PE-	Pineville	PE-WV
PE1	Pezze di Greco (BR)	
PEA	Pea Ridge	
PEA0	opavlovsk-Kamchatskiy kiy Array Site A0	
PEA0B	opavlovsk-Kamchatskiy kiy Array site AOB	
PEA1	opavlovsk-Kamchatskiy kiy Array Site A1	
PEA2	opavlovsk-Kamchatskiy kiy Array Site A2	
PEA3	opavlovsk-Kamchatskiy kiy Array Site A3	
PEB	Petersbachel	
PEB1	opavlovsk-Kamchatskiy kiy Array Site B1	
PEB2	opavlovsk-Kamchatskiy kiy Array Site B2	
PEB3	opavlovsk-Kamchatskiy kiy Array Site B3	
PEB4	opavlovsk-Kamchatskiy kiy Array Site B4	
PEB5	opavlovsk-Kamchatskiy kiy Array Site B5	
PEBM	Pemiscott Bayou	
PEC	Perris	
PECH	Pedro de Valdivia	
PECO	Prince Edward County	
PECR	Pechory	
PECU	Ecuador Network	
PECV	Mancha de Ca Pechiches	
PED	Pedro Cerda	
PEDR	Pedernales	
PEG	Perugia	PRG
PEH	Beibei	
PEI	Peine	
PEJK	Peje	
PEK	Beijing	BJI
PEL	Peldehue	
PEM	Pine Mountain	
PEMC	Merrill Creek	
PEMO	Pembroke	
PEN	Pensacola	
PENC	Penc	
PENI	Pendagan	
PENM	Chiapas	
PENMO	Penman	
PENT	Pentalofos	
PEO	Puerto Escondido	
PEP	Pantabangan	
PER	Perth	
PERF	Col du Perthus	
PERL	Pearl BPA Site DOGAMI SMO	
PERS	Pernice	
PERT	Persembe	
PES	Peshawar	
PES2	opavlovsk-Kamchatskiy kiy Array site S2	
PESA	Pesaro	
PESTR	Estremoz	
PET	Petropavlovsk	
PETE	Peter Faust Dam	
PETK	opavlovsk-Kamchatskiy kiy Array site P	
PETR		
PEUT	Richfield	
PEV	Pleasant Valley	
PE-WV	Pineville	
PEX	Puerto Escondido	
PF-	Pickford	PF-MI
PFA	Pierce Ferry	
PFAD	Fenais da Ajuda	
PFAV	Pico das Favas	
PFB	Port Renfrew	
PFBV	Barranco	
PFET	Feteiras	
PFFO	Foia	
PFH	Pahoa Fire House	
PFMC	Merrill Creek	
PFMF	Monte Figo	
PF-MI	Pickford	
PFO	Pinyon Flat Observatory	
PFPE	Pera	
PFSB	Sao Bartolomeu	
PFSC	Santa Clara	
PFVI	Vila Bisbo	
PG-	Prince George	PG-BC
PG2BC	Prince George	
PGA	Paragould	
PGAV	Gavieira, Arcos de Valdevez	
PGAZ	Page	
PGB	Panagyurishte	
PGBAU	Baubata	
PG-BC	Prince George	
PGBU	Glenifferbraes	
PGC	Sidney	
PGD	Poggio Sodo	
PGE	Panamint Range	
PGF	Pioggiola	
PGHM	Gold Hill	GHC
PGKAI	Kaiamu	
PGM	Pleasant Grove	
PGMAR	Marapu	
PGN3	Pignola, Italy	
PGO	Gresham	
PGOM	Puerto del Gallo	
PGOR	Pogoanele	
PGP	Puerto Galera	
PGRA	Graciosa	
PGS	Pagosa Springs	
PGVM	Portageville	
PGW	Port Gamble	
PGWM	Grace West	
PGX	Piedras Gordas	
PGY	Peter Gray Mountain	
PGZ	Pongaroa	
PH2NV	Pahute Mesa Site	
PH3NV	Pahute Mesa Site	
PH4NV	Pahute Mesa Site	
PHA	Port Heiden	
PHAM	Harlan Ranch	
PHBM	Huron Fishing Bridge	
PHC	Port Hardy	
PHCM	Hearst Castle	
PHDM	Pipehead	
PHEL	Phelps	
PHET	Kaeng Krachan	
PHG	Guadaloupe-2	
PHGM	Hog Canyon	
PHH	Puu Huluhulu	
PHI	Philadelphia	
PHL	Hel	
PHN	Pohang	
PHNC	Paralimni	
PH-NV	Pahute Mesa Site	
PHO	Puu Honuaula	
PHP	Peshkopia	
PHPU	Puebla	
PHRM	Hernandez Valley	HVC
PHSA	Palmer High School	
PHSR	Pinarhisar	
PHUB	P'eng-hu	
PHW	Phalaborwa	
PH-WA	Pomeroy	
PHWY	Pilot Hill	
PHWY1	Pilot Hill -- Preliminary Site	
PHYB	Yellowpoint	
PI-	Pinedale	PI-WY
PI1	Pinedale	
PI2	Pinedale	
PI2WY	Pinedale	
PI3	Pinedale	
PI4	Pinedale	
PI5	Pinedale	
PI6	Pinedale	
PI7	Pinedale	
PIA	Pitten	
PIAC	Piriac/mer	
PIAM	Paiam	
PIB	Pender Island	
PIC	Picacho Peak	
PICA	Picada	
PICH	Pichilemu	
PICO	Pico	
PICS	Picacho	
PID	Ribeirinha	
PIE	Pietermaritzburg	
PIED	Piedade	
PIEI	Pieia	
PIER	Pier 30 Seattle	
PIG	Pigeon Point	
PIGN	Pignataro Maggiore	
PII	Pisa	
PIL	Pilar	
PIM	Presa Infiernillo	
PIMB	Pitt Meadows	
PIN	Pinedale	
PINA	Piqa, Costa Abajo de Colsn	
PINB	Pinarbasi	
PINC	Pinares de Mayari	
PINE	Pine Mountain Observatory	
PINI	Pine Creek	
PINM	Pinnacle	PCA
PINO	Pino	
PINOR	Pine Mountain	
PINP	Pinatubo--East Slope	
PINR	Pinar	
PINT	Los Pintados	
PINU	Pond Inlet	
PIO	Pinotepa	
PIOH	Piqua	
PIORA	Tunnel	
PIP	Pasuquin	
PIPA	Pietrapaola	
PIR	Pirmasens	
PIS	Pisa	
PISA	Pisayambo	
PIT	Pittsburgh	
PITA	Cotopaxi Volc (N)	
PIU	Piute Mountains	
PIV	Piva	
PIVM	Indian Valley	
PI-WY	Pinedale	
PJC	Pensacola State College	
PJD	Pedro Dome	
PJG	Potts Junction	
PJLM	Jolan Road	
PJ-PA	Pottstown	
PJRM	Jolon Road	JOL
PK-	Pilot Rock	PK-OR
PK1	Gold Hill	GHC
PK2	Work Ranch	WKR
PK3	Taylor Ranch	TRC
PKA	Prieska	
PKC	Peckham Road	
PKCU	Pink Cliffs	
PKD	Parkfield	
PKD1	Parkfield	
PKE	Pukeiti	
PKEM	Kettleman Hills	
PKF	Parkfield Array	
PKGZ	Pakihiroa	
PKH	Park Hill	
PKI	Pulchoki	
PKIN	Phulchoki	
PKK	Porkkala	
PKKI	Palangkaraya	
PKKY	Potato Knob	
PKL	Puu Kaliu	
PKLO	Pickle Lake	
PKM	Peak Mountain	
PKME	Peaks-Kenny Pk	
PKN	Parkers Pond	
PKNC	Pores Knob	
PKNY	Stone Ridge	
PKO	Pickens	
PK-OR	Pilot Rock	

Code	Station Name	Other
PKR	Le Roux Dam	
PKRO	Pickering	
PKS2	Kecel	
PKS6	Bocsa	
PKS7	Kunszentmiklos	
PKS8	Sarbogard	
PKS9	Tamasi	
PKSC	Csakvar	
PKSG		
PKSM	Moragy	
PKSN	Nyarlorinc	
PKST	T^^s	
PKT	Phuket	
PKVZ	Pokaka	
PLA	Palau	
PLAC	Placanica	
PLAL	Pickwick Lake	
PLAR	PLOIESTI	
PLAT	Plata	
PLAV	Platillon	
PLAY	Playas-San Antonio	
PLAZ		
PLBC	Pleasant Camp	
PLBL	Peulik Blue Creek	
PLC	Palomares Road	
PLCA	Paso Flores	
PLCV	Puerto La Cruz	
PLD	Plovdiv	
PLDF	La Plantade	
PLE	Pljevlja	
PLEC	Pleito Hills	
PLG	Polygyros	
PLH	Pulheim	
PLI	Panarea	
PLI2	Pozzilli	
PLID	Pearl Lake	
PLIG	Platanillo	
PLIO	Pelee Island, Stone Alvar Conservation Area	
PLK1	Peulik 1	
PLK2	Peulik 2	
PLK3	Peulik 3	
PLK4	Peulik 4	
PLK5	Peulik 5	
PLKI	Palangkaraya	
PLL	Puu Ulaula	
PLLN	Pollina	
PLM	Palomar	
PLMA	Palmaria, Porto Venere	
PLMI	Pala-Maneri	
PLML	Palmela	
PLMR	Palmer	
PLN	Plauen	
PLO	Pochutla	
PLOM	Lone Oak Road	LRC
PLONS	Plons/SG	
PLOR	Plostina	
PLOR1	Plostina Array site 1	
PLOR2	Plostina Array site 2	
PLOR3	Plostina Array site 3	
PLOR4	Plostina Array site 4	
PLOR5	Plostina Array site 5	
PLOR6	Plostina Array site 6	
PLOR7	Plostina	
PLOU	Loures	
PLP	Palo	
PLR	Palermo	
PLRM	Palmer USGS	PMR
PLRO	Paularo	
PLS	Point Lisas	
PLT	Pilot Knob	
PLTB	Pedras Altas	
PLU	Palu	
PLUM	Mont Dore	
PLUZ	Luz	
PLV	Phu-Lien	
PLVA	Point Lookout	
PLVO	Plevna	
PLWL	Peulik Whale Mountain	
PLWZ	Palliser	
PLY	Plymouth	
PM-	Pole Mt.	PM-WY
PMA	Port Moller	
PMAFR	Mafra	
PMAN	Manadas	
PMAR	Madeira	
PMAT	Coroa da Mata	
PMB	Pemberton	
PMBI	Palembang	
PMC	Poorman Mine	
PMCB	Calebasse	
PMCH	Puerto Montt	
PMCM	McMillan Canyon	
PME	Palmer East	
PMG	Port Moresby	
PMGM	Santa Margarita	
PMGR	Mogosoaia	
PMJU	Montehunto	
PMK	Pointe Molloy	
PML	Morne Lenard	
PMM	Presa Malpaso	
PMMC	Merrill Creek	
PMN	Pahute Mesa	
PMNB	Patos De Minas	
PMO	Pomariorio	
PMOR	Pomariorio Reef	
PMOZ	Porto Moniz, Madeira	
PMP	Pompeii	
PMPM	Monarch Peak	MOP
PMPS	Porto Santo	
PMPST	Porto Santo, Madeira	
PMR	Palmer	
PMRF	Poiana Mare	
PMRM	Maxey Ranch	
PMRV	Marv??o	
PMS	Palmer South	
PMSA	Palmer Station	
PMSI	Majene	
PMST	Lisbon--Monsanto	
PMSU	Muirshiel	
PMT	Pine Mountain	
PMTG	Montargil	
PMV	Pico Espejo	
PMW	Pole Mountain	
PM-WY	Pole Mountain	
PN-	Pine Creek	PN-OR
PN1	Presa Penitas 1	
PN2	Presa Penitas 2	
PN3	Presa Penitas 3	
PN4	Presa Penitas 4	PORM
PN6	Pavlof North-6	
PN7A	Pavlof North-7A	
PNA	Partacoona	
PNB	Pomio	
PNBI	Panbari	
PNC	Pine Canyon	
PNCL	Nicolau / Grandola	
PNG	Penghu	
PNH	Pitcher Mountain	
PNHZ	Pukenui	
PNI	Pinerolo	
PNIG	Pinotepa	
PNJ	Paterson	
PNK	Pinkham Creek	
PNL	Peninsula	
PNLK	Pine Lake Middle School	
PNMC	Pinto Mountains	
PNME	Penonome	
PNN	Pinnacle Mountain	
PNO	Pendleton	
PN-OR	Pine Creek	
PNP	Penuelas	
PNPO	Pukaskwa National Park	
PNR	Penrod	
PNS	Penas	
PNT	Penticton	
PNVM	Presa Marin	
PNY	Plattsburgh	
PNZ	Plattsburgh	
PO-	Post	PO-TX
PO9	Polino	POI
POA	Poas	
POA2	Poas 2	
POAT	Poatina	
POB	Polly Butte	
POB1	Observatory	
POBI	Pontebba	
POBL	Monestir Poblet	
POBM	Portage Bay	
POC	La Pocatiere	
POCA	Pocatky	
POCR	Potenciana 2	
POCW	Po¯¯¡tky	
POE	Porton East	
POF	Pofadder	
POFI	Posta Fibreno	
POG	Pongola	
POGA	Pongola	
POGM	Potrero Grande	
POH	Pohoiki	
POHA	Pohakuloa	
POHV	Veracruz	
POI	Polino	
POK	Puuokali	
POL	Pola	
POLC	Polcenigo	
POLL	Polichno	
POLO	Lamas de Olo	
POLP	Polilio Island	
POM	Pomona	
PON	Ponce	
PONG	Pong	
PONT	Pont de Suert	
PONY	Stone Ridge	
POO	Poona	
POP	Popondetta	
POPB	Porto Primavera	
POPM	Popiglio	
POPR	Popesti-Leordeni	
POR	Portland	
PORM	Chiapas	
PORP	Portuguez	
PORT	Chimborazo Volcano	
POS	Porton South	
POT	Potsdam	
POTR	Potrero Hills, Fairfield	
POTS	Potsdam Coll	
POTV	Potrerito	
PO-TX	Post	
POU	Pouilloux	
POW	Powhatan	
POWZ	Post Office Road	
POZO	Pozo Almonte	
PP-	Pipestone	PP-MN
PP02	Calachota	
PP03	Condor	
PP04	Saramarca	
PP05	Tocota	
PP06	Puquio	
PP07	Ayacucho	
PP08	Chalhuanca	
PP09	Villa El Salvador	
PP10	Ancon	
PP16	Cajamarca	
PP1B	Ponte de Pedra	
PPA	Pie de Palo	
PPAD	Pico dos Padres	
PPB	Philisteinsche Polder	
PPB1	Philisteinsche Polder (Bergen)	
PPB2	Philisteinsche Polder (Bergen)	
PPB3	Philisteinsche Polder (Bergen)	
PPB4	Philisteinsche Polder (Bergen)	
PPBI	Pangkal Pinang	
PPC	Pine Pass	
PPCY	Paphos	
PPD	Presidente	
PPDR	Puerto Plata	
PPE	Popeni	
PPF	PLOIESTI	
PPFM	Parkfield Array	PKF
PPH	Pasian Peak	
PPHYL	Hylton High School	
PPI	Padang Panjang	
PPK	Piper Mountain	
PPL	Puu Pili	
PPLA	Purkeypile	
PPLM	Point Pleasant	
PPM	Popocatepetl	
PP-MN	Pipestone	
PPN	Papenoo	
PPNM	Papanoa	
PPNO	Prainha do Norte	
PPOM	Papayo	
PPR	Puerto Princesa	
PPRM	Paso Robles	
PPS	Pierpont	
PPSA	Petersburg Public Schools	
PPSI	Pulau Pagai	
PPT	Papeete	
PPT2	Papeete2	
PPTF	Pamatai, Papeete	
PPTM	Peach Tree Valley	PTV
PPU	Promontory Point	
PPXB	Puerto Pe^–asco	
PPZ	Puysegur Point	
PQ0	Cooper Hill	
PQ1	East Ridge	
PQI	Presque Isle	
PQ-ID	Preston	
PQL	Pirkuli	
PQN	Pahaquarry	
PR-	Palmyra I.	PR-IS
PR1R	Pomanovo	
PRA	Prague	
PRAC	Prado	
PRAF	Pradon	
PRAR	RASCA	
PRAV	El Prado	
PRC	Point Reyes	
PRCH	Ribeira Ch	
PRCM	Roach Canyon	
PRD	Provadia	
PRDA	Priddis	
PRE	Pretoria	
PREZ	Palmer Road	
PRF	Porvoo	
PRG	Perugia	
PRGF	Pas du Roy	
PRGR	Permogore	
PRGV	PARIAGUAN	
PRGZ	Paritu Road	
PRHZ	Porangahau	
PRI	Priest	
PRIN	Princeton	
PR-IS	Palmyra Island	
PRJ	Port Royal	
PRK	Paraskevi	
PRL	Portalegre	
PRLK	Prince Lake	
PRLS	Pirkuli	
PRM	Parsons Mountain	
PRMA	PARMA	
PRN	Pahroc Range	
PRNI	Paran	
PRNS	Prines Rethymno	
PRNY	Paleo Inst,Ithaca	
PRO	Pesaro	
PROD	Prodromos	
PROV	Provideniya	
PRP	Porcupine Dome	
PRR	Perris	
PRRZ	Plateau Road	
PRS	Paraiso	
PRS1	Puriscal	
PRSC		
PRST	Prospect	
PRT	Prato-Toscana	
PRTR	Priterechnaya	
PRU	Pruhonice	
PRV	Porvoo	
PRVR	Provideniya	
PRW	Prosser	
PRWZ	Pori Road	
PRY	Parys	
PRYA	Perryville	
PRYF	Perigny	
PRYS	Parys	
PRZ	Przheval'sk	
PRZA	Preza	
PRZK	Prizren	
PS01	TAPS Pump Stn	
PS04	TAPS Pump Stn4	
PS05	TAPS Pump Stn5	
PS06	TAPS Pump Stn6	
PS07	TAPS Pump Stn7	
PS08	TAPS Pump Stn8	
PS09	TAPS Pump Stn9	
PS1	Pesaro	PRO
PS10	TAPS Pump St10	
PS11	TAPS Pump St11	
PS12	TAPS Pump St12	
PS1A	Pavlof South-1A	
PS4	Pavlof South-4	
PS4A	Pavlof South-4A	
PSA	Petersburg	
PSA00	Pilbara Seismic Array Element 00	
PSA1	Psathopyrgos	
PSAA1	Pilbara Seismic Array Element A1	
PSAA2	Pilbara Seismic Array Element A2	
PSAA3	Pilbara Seismic Array Element A3	
PSAB1	Pilbara Seismic Array Element B1	
PSAB2	Pilbara Seismic Array Element B2	
PSAB3	Pilbara Seismic Array Element B3	
PSAC1	Pilbara Seismic Array Element C1	
PSAC2	Pilbara Seismic Array Element C2	
PSAC3	Pilbara Seismic Array Element C3	
PSAD1	Pilbara Seismic Array Element D1	
PSAD2	Pilbara Seismic Array Element D2	
PSAD3	Pilbara Seismic Array Element D3	
PSAM	San Ardo	
PSAN	Santo Antonio	
PSB1	Pescosannita	
PSBA	Serra de Santa Barbara	
PSC	Isla de Pascua	
PSCH	Puerto Saavedra	
PSCM	Serra do Cume	
PSD	Pescadero	
PSDMA	Soufriere	
PSDMB	Cotton Hill	
PSDMZ	Portsmouth	
PSEM	See Canyon	
PSET	Sete Cidades	
PSF	Port Stanley	
PSG	Pto de San Jose	
PSG2	Pto San Jose 2	
PSGC	Pisagua	
PSH	Peshawar	
PSHM	Shandon	
PSI	Prapat	
PSL	Pistoia	
PSM	Palmasola	
PSMA	Santa Maria	
PSMM	Smith Mountain	
PSMN	Pico do Norte, Sta. Barbara	
PSN	Preselentsi	
PSNS	PSNS Bremerton SMO	
PSO	Pasto	
PSP	Palm Springs	
PSR	Paul Sauer Dam	
PSRM	Scobie Ranch	
PSRV	Vialonga--Serves	
PSSC	Serra do Socorro	
PST	Pasture Canyon	
PSTM	Stockdale Mountain	
PSUB	Penn St. - Brandywine Campus	
PSUR	Point Sur Hydrophone	
PSUT	Pine Spring	
PSV	Pishtovo	
PSWB	Penn State Wilkes-Barre	
PSZ	Piszkesteto	
PT-	Pendleton	PT-OR
PT01	Morro Solar	
PT02	Quilmana	
PT03	Guadalupe	
PT04	Zamaca	
PT05	Jicamarca	
PT06	Pisco	
PT08	Suche	
PT09	Santa Fe	
PT10	Camacho	
PT11	Juni	
PT18	Porculla	
PT2	Point Dume	
PT20	Maychil	
PT21	Montanita	
PTA	Punta Arenas	
PTB	Point Barrow	
PTC	Porto Cannone	
PTCA	Ponta do Capelo	
PTCC	Patocco-Chiusaforte	
PTCH	Petorca	
PTCN	Pitcairn Island	
PTCO	Port Colborne	
PTCR	Potenciana	
PTD	Portland	
PTE	Portage	
PTEI	Pico do Teixo	
PTEN	Parque Tenorio	
PTEO	Sao Teotonio	
PTF	Prato	
PTG	Portageville	
PTGA	Pitinga	
PTGB	Pitanga	
PTGL	Punta Galera	
PTH	Pithoragarh	
PTI	Pocatello Creek	
PTJ	Puntijarka	
PTK	Pertek	
PTKI	Pontianak	
PTL	Penteli	
PTM	Pietermaritzburg	
PTMB	Porto Murtinho	
PTMD	Pantelleria Cuddia di Mida	
PTN	Potsdam (NY)	
PTNS	Petnica	
PTO	Porto	
PTOM	Tomar	
PT-OR	Pendleton	
PTP	Ponta Puerca	
PTP1	Petroterminal	
PTPK	Patty Peak	
PTPS	Port Pirie	
PTQR	Pietraquaria	
PTR	Peterson	
PTRJ	Pietraroja	
PTRM	Twissleman Ranch	
PTRP	Pietrapertosa	
PTS	Pantelleria	
PTT	Piatra Neamt	
PTU	Portage	
PTV	Peach Tree Valley	
PTVM	Pico Tres Padres	
PTYM	Taylor Ranch	TRC
PTZ	Petauke	
PU-	Purvis	PU-MS
PUB	Puale Bay	
PUCA	Punta Cana	
PUCM	Santiago	
PUCR	Pucara	
PUE	Puebla	
PUEL	Puelo Alto	
PUEX	Pudahuel	
PUH	Pauahi	
PUJ	Puerto Jimenez	
PUK	Puka	
PUL	Pulkovo	
PULI	Pulasari	
PU-MS	Purvis	
PUN	Puno	
PUNE	Pune	
PUP	Pupakea	
PUR	Purari	
PURC	Volcan Purace	
PUS	Pusan	
PUSN	Pusma	
PUT	Punta Talca	
PUTN	Putnam	
PUU	Piute Reservoir	
PUV	Pulaski	
PUVA	Puert Vallarta	
PUYE	Entre Lagos	
PUYF	Puyloubier	
PUYI		
PUZ	Puketiti	
PV-	Perryville	PV-AR
PV01	Paradox Valley	
PV02	Paradox Valley	
PV03	Paradox Valley	
PV04	Paradox Valley	
PV05	Paradox Valley	
PV06	Paradox Valley	
PV07	Paradox Valley	

Code	*Station Name*	*Other*
PV08	Paradox Valley	
PV09	Paradox Valley	
PV10	Paradox Valley	
PV15	Paradox Valley	
PV6*	Piano Vulcano	
PVAQ	Vaqueiros	
PV-AR	Perryville	
PVC	Port Vila	
PVCC	Panska Ves	
PVCP	Virac	
PVER	Pico Vermelho	
PVF	Pernaja	
PVIA	Vitoria	
PVIS	Viseu	
PVL	Pavlikeni	
PVLZ	Pen@16o@15n de Ve@15lez	
PVMO	Portageville	
PVN	Peters Valley	
PVNV	Vila Nova	
PVO	Paravola	
PVP	Pueblo Viejo	
PVPS	Palos Verdes	
PVR	Palos Verdes	
PVRC	Palos Verdes	
PVRL	Vila Real	
PVV	Pavlof Volcano	
PVY	Plav	
PW-	Pontiac	PW-IL
PWA	Palmer West	
PWH	Poliokeawe Pali	
PW-IL	Pontiac	
PWJI	Pagerwojo	
PWKM	Work Ranch	WKR
PWL	Port Wells	
PWLA	Pickwick Lake	
PWM	Pinawa	
PWMM	Westland Maintenance Station	
PWP	Barrio Florida	
PWS	Pulau-Weh	
PWTG	Paul Wright Trailer	
PWV	Princeton	
PWZ	Pawanui	
PX-	Philippi	PX-WV
PXO	Oaxaca	
PX-WV	Philippi	
PXZ	Pawanui	
PY-	Payson	PY-AZ
PYA	Pyatigorsk	
PYA1	Pyatigorsk	
PY-AZ	Payson	
PYF	Esparros	EPF
PYL	PYLOS	
PYLO	Lourdes	
PYM	Petit Puy Manson	
PYN	Poneloya	
PYO	Pyongyang	
PYR	Pyramid	
PYT	Playitas	
PYTN	Playitas	
PYUN	Piuthan	
PYZ	Puysegur Point	
PZ-	Ponce	PZ-PR
PZAR	Pazar-Rize	
PZC	Pizona Creek	
PZCI	Patelzick Creek	
PZF	Pozza Ferrara, Ferrara di Monte Baldo (VR)	
PZI	Palazzolo	
PZ-PR	Ponce	
PZUN	Potenza	
PZX	Poza Rica	
PZZ	Stroppo	
PZZT	Monte Pizzetto	
Q03C	Winters	
Q04C	Lincoln	
Q07A	Schurz	
Q08A	Gabbs	
Q09A	Carvers	
Q10A	Clear Creek Ranch, Tonopah	
Q11A	Duckwater	
Q12A	Willow Creek Ranch, Ely	
Q13A	Wheeler Ranch, Garrison	
Q14A	Sevier Lake (BLM), Delta	
Q15A	Fillmore	
Q16A	Castle Valley Ranch, Emery	
Q18A	Rafter H Ranch, Green River	
Q19A	Hogan Spring (BLM), Cisco	
Q20A	Ridgley Place, Grand Junction	
Q21A	Lamborn Mesa, Paonia	
Q22A	Crested Butte, Gunnison	
Q23A	Hartsel	
Q24A	Divide	
Q25A	Bedland, Calhan	
Q26A	Hugo	
Q28A	Sharon Springs	
Q29A	Oakley	
Q30A	Quinter	
Q31A	Ellis	
Q32A	Meitler Ranch, Lucas	
Q33A	Connelly Farm, Tescott	
QAD	Quadrado	
QAL	Quail Lake	
QAM	Ghamsar	
QARV	Quebrada Arriba	
QASM	Qassim	
QASN	Qassioun	
QAW	Queen Anne	
QBC	Quebec	
QC-	Queen Creek	
QCC	Queen Charlotte	
QCI	Quattro Castella	
QCL	Quebec	QBC
QCP	Quezon City	
QCQ	Quebec	QBC
QCR	Quepos	
QCS	Queen City Summit	
QEN		
QHRO	Qairoon Hariti	
QHW	Quartz Hill	
QIB	Qibla Bandi	
QIL1	Quilotoa	
QIL2	Quilotoa	
QILN	Qililugaq Exploration Camp	
QIS	Mount Isa	
QIT2	Quititos 2	
QITI	Quititos	
QIZ	Qiongzhong	
QLLN	Quello@15n	
QLMT	Earthquake Lake	
QLNO	Quiliano	
QLNY	Queensboro Lake	
QLP	Quilpie	
QMB	Queensbury	
QM-NV	Quartzite Mountain	
QMO	Quartz Mountain	
QN-	Quesnel	QN-BC
QN-BC	Quesnel	
QNR	Quinn River	
QPS	Quepos	
QRHJ		
QRI	Quarto	
QRN	Al-Qurain	
QRNJ	Al-Qirein	
QRV	Quinn River Valley	
QRZ	Quartz Range	
QSB	Qsaybeh	
QSH	Qafa e Shtames	
QSM	Queen of Sheba Mine	
QSPA	South Pole Quiet Zone Earth Science Observatory	
QSR	Quien Sabe Ranch	
QTBJ	Casr Tuba	CSTJ
QTFJ	Qatafi	
QTN	Queenstown	
QTO	Quito	
QTOE	Estacion Edusismo	
QTRJ	Qatrana	
QUA	Quabbin	
QUA2	Belchertown	
QUAR	Qualls	
QUB	Quba	
QUBA	Quba, Azerbaijan	
QUE	Quetta	
QUEM	Puengasi	
QUES	Loma Quita	
QUI	Quito	
QUIF	Quistinic	
QUIG	Queretaro	
QUIL	Quilotoa	
QUIN	Quiabu	
QUL	Quillagua	
QUM	Quillmana	
QUND	Qund	
QUR	Rumipamba	
QURS	Qurayyt al Milh	
QURY	Yakoun River	
QUT	Tumbaco	
QUTJ	Qutrana	
QVP	Quezon City--PHIVOLCS	
QVPH	Quezon City--PHIVOLCS	
QZA	Quezalapa	
QZG	Quezaltepeque	
QZH	Quanzhou	
QZN	Quanzhou	QZH
QZO	Quartz Mountain State Park	
QZX	Qazax, Azerbaijan	
R04C	Big Horse Ranch, Ione	
R05C	Kirkwood Meadows Resort, Kirkwood	
R06C	Coleville	
R07C	Lee Vining	
R08A	Mina	
R09A	Tonopah	
R10A	Warm Springs	
R11A	Troy Canyon, Currant	
R12A	Pony Springs, Pioche	
R13A	O'Grain Ranch, Modena	
R14A	James Farms, Milford	
R15A	Junction	
R15V		
R16A	Teasdale	
R17A	Hanksville Airport, Hanksville	
R18A	Canyonlands National Park, Moab	
R19A	Curley Farm, La Sal	
R20A	Redvale	
R21A	Cimarron	
R22A	Saguache, Gunnison	
R23A	Moffat	
R24A	Sanders Place, Florence	
R25A	Fountain Ranch, Boone	
R26A	Arlington	
R27A	Eads	
R28A	Tribune	
R29A	Marienthal	
R30A	Dighton	
R31A	Burdett	
R32A	Long Quarter, Great Bend	
R33A	Olander Ranch, Little River	
RAB	Rabaul	
RABH	Abou Rabah	
RABL	Rabaul	
RAC	Raciborz	
RADA	Ahram - Rada'a city Al-Baydha Gov. - Yemen	
RAEZ	Rainy Point	
RAF	Rauma	
RAFF	Raffo Rosso	
RAFT	RAFT	
RAG	Roghun	
RAGM	Ragged Mountain	
RAGZ	Rawiri	
RAHZ	Arahi	
RAI	Raspberry Island	
RAIO	Rainier	
RAK	Rakhov	
RAKU	Rahkiv	
RAL	Rabalanakaia	
RALT	Raleigh	
RAM	Raman	
RAMA	Ramapo Mountain	
RAMN	Ramite	
RAMR	Ramage Ranch	
RAMW	Rammel Mountain	
RAN	Rangoon	
RANB	Rancho Bola	
RANI	Rangndo	
RAO	Raoul Island	
RAP	Rapindik	
RAR	Rarotonga	
RAT	Rat Island	
RATI	Rata	
RATZ	Rangitukua	
RAV	Ravensburg	
RAVA	Ravarino	
RAW	Raver	
RAY	Raywood Flat	
RAYA	Raymond Alberta	
RAYN	Ar Rayn	
RBA	Rabat	
RBAR	Bucharest-INCERC-Test Bldg	
RBC	Rio Blanco	
RBDL	Robledal	
RBEN	Benson Hill Elementary School	
RBH	Right Bank House--Pihur	
RBK	Rabkut	
RBL	Raibl	
RBN	Rybnik	
RBNC	Richland Balsam	
RBO	Rocky Butte	
RBSI	Rajabasa	
RBU	Red Butte Canyon	
RBY	Rainbow Mountain	
RBZ	Rabat Zaers	
RC01	Rabbit Creek Array Site 1	
RC1	Royal City	
RCBR	Riachuelo	
RCC	Rio Carpintero	
RCD	Rapid City	
RCDM	Rinconada Maipu	
RCG	Rock City	
RCH	Reche Mountain	
RCHB	Rochefort	
RCI	Reggio Calabria	
RCJ	Ross Creek	
RCL	Mte Valcellina	
RCLB	Rio Claro- Sao Paulo-Brazil	
RCM	Mount Rainier--Camp Muir	
RCO	Red Cone	
RCP	Roxas	
RCP2	Recreation Park	
RCR	Cape Wrath	
RCRC	Randolf College Riding Center, Lynchburg	
RCS	Mount Rainier--Camp Schurman	
RCT	Riceville	
RCTC	Rector, Farmersville	
RCW	Richland	
RCWM	Renegade Canyon West	
RCY	Rachaya	
RD01	Burlington	
RD02	Waterdown	
RD03	Mount Hope	
RD04	Stoney Creek	
RDC	Rolduc	
RDDR	Redoubt East 2	
RDE	Redoubt Vol. East	
RDF	Al-Radifah	
RDG	Rabinal	
RDJ	Rio de Janeiro	
RDJH	Redoubt Jeurgen	
RDLO	Red Lake	
RDLQ	Riviere-du-Loop	
RDM	Round Mountain	
RDMU	Red Mountain	
RDN	Redoubt North	
RDO	Rodhopi	
RDP	Rocca di Papa	
RDS	Siegrist	
RDSS	Rosedale State School	
RDST	Rhodes College	
RDT	Redoubt	
RDW	Redoubt West	
RDWB	Redoubt West	
RDWR	Rand Water	
RDX	Rancho Dawling	
RE01	Neviano degli Arduini - PR	
RE02	Canossa - RE	
RE03	Vedriano (Canossa) - RE	
RE04	Sedrio (Vezzano sul Crostolo) - RE	
RE05	Terme di Santa Lucia (Busana) - RE	
RE06	Pratopiano (Palanzano) - PR	
RE07	Pizzano Val di Parma - PR	
RE08	Castello di San Valentino (Castellarano) - RE	
RE1	Mte Valcellina	RCL
REAL	Reales	
REB	Eisghbrachaidh	
REC	Recreo	
RECU	Ecuador Network	VC1
RED	Redoubt Volcano	
REDH	Redhead, NSW Australia	
REDP	Redondo Peak	
REDW	Red Top Meadow	
REDWA	Red Mountain	
REF	Redoubt East Flank	
REFA	Refahiye_ERZ¯NCAN	
REG	Rock Eagle	
REG*	Regar	RGR
REI	Reidovoe	
REKY	Reed	
REL	Relizane	
RELT	Roellen	
REM	Remote	
REMR	Mount Rainier--Emerald Ridge	
REMW	Rembrandt	
REN	Reno	
RENF	Rennes	
RER	Riviere de l'Est	
RES	Resolute Bay	
RESF	Ens	
RESI	Resinera	
RESU	Resuttano	
RETA	Reutte	
RETU	Refugio	
REU	Reunion Island	
REUT	Washington Fields	
REVE	Rev-Rev Volc	
REVF	Revere	
REVI	Revivim	
REW	REWA	
REX	Rexburg	
REY	Reykjavik	
REYF	Montagne du Rey	
REYT	Reyhanli	
RFA	San Rafael	
RFDD	Rafsanjan	
RFI	Roccamonfina	
RFM	Reservoir Flats	
RFO	Forsnaval	
RFSB	Richmond Field	
RFTA	Plano	
RFVM	Rio Frio	
RFYF	Reffroy	
RG-	Redig	RG-SD
RGA	Parga	
RGC	Rangely	
RGD	Ragged Mountain	
RGN	Rugen	
RGNG	Rignano Grg	
RGR	Regar	
RGRI	Rengat	
RGRS	Roger Stewart	
RGS	Rognes	
RG-SD	Redig	
RGZ	Rangipo	
RHA	Reichold	
RHAM	Hammer	
RHAZ	Hazelwood Elementary School	
RHD	Arkhangelos	ARG
RHJ	Red Hills	
RHK1	Bakonya	
RHK2	Bata	
RHK3	Tenkes	
RHM	Rio Hardy	
RH-NV	Rawhide Mountain	
RHO	Rhodes	
RHP	Rhoboro Hills	
RHT	Red Hill	
RHU	Roosevelt Hot Springs	
RIA	Ribeira da Areia	
RIA0	Ribeira da Areia	RIA
RIB	Ribeirinha	
RIB2	Ribeirinha	
RIC	Richmond	
RICH	Rich Mountain	
RIDG	Independ'e Ridge	
RIEH2	Riehen 2 (BS)	
RIFB	Rifaina	
RIGZ	Rimuhau	
RII	Riito	
RIM	Rim	
RIMQ	Rimouski	
RI-MS	Richton	
RIN	Volcan Rincon	
RIN2	Volcan Rincon	
RIN3	Volcan Rincon	
RIO	Rio Grant	
RIOB	Rio Branco	
RIOE	Riobamba	
RIOE1	Riobamba	
RIOV	Rio Grande	
RISI	Rein	
RITOM	Lago Ritom (SBB)	
RITZ	Rihia Road	
RIU	Riou	
RIV	Riverview	
RIVT	Riveris	
RIY	Rijeka	
RIZ	Raoul Island	
RJF	Les Rejaudoux	
RJOB	Jochberg	
RK-	Red Lake	RK-ON
RK1	Rhampton Hrock	
RK2	Rhampton Srock	
RK2S	Rockhampton 2 Soft	
RKAV	Rock Avalanche	
RKG	Rocky Gully	
RKGY	Rocky Gully	
RKHB	Rokh Bas	
RKO	Rokko	
RK-ON	Red Lake	
RKPI	Ransiki, Papua	
RKS	Reko	
RKT	Rikitea	
RKY	Sarkoy-Tekirdag	
RL-	Rib Lake	RL-WS
RLA	Relizane	
RLKO	Red Lake	
RLMT	Red Lodge	
RLO	Rose Lookout	
RLS	Riolos of Patras	
RLSP	Rockland Lake	
RLW	Rice Lake	
RL-WS	Rib Lake	
RM01	Lucoli (AQ)	
RM02	Colle Roio	
RM03	San Martino d'Ocre	
RM04	Rocca di Mezzo	
RM05	Colli (Barete)	
RM06	Scoppito	
RM07	Collebrencioni	
RM08	Filetto	
RM09	Piano di Cascina (Cagnano Amiterno)	
RM10	Cesaproba (Montereale)	
RM11	Collenoveri	
RM12	Casamaina	
RM13	Rovere (Rocca di Mezzo)	
RM14	Barisciano	
RM15	Castiglione (Tornimparte)	
RM16	Terranera (Rocca di Mezzo)	
RM18	Fano Adriatico	
RM20	Borbona	
RM21	Selvarotonda (Cittareale)	
RM22	Micigliano	
RM23	Viesci	
RM24	Colle Belvedere (Rocca di Mezzo)	
RM25	Mosicchio (Amatrice)	
RM26	Passo delle Capannelle	
RM27	Carapelle Calvisio	
RM28	Assergi	
RM29	Verrico (Montereale)	
RM30	Cerqua	

Code	Station Name	Other
RM31	Accumuli	
RM32	Poggio Cancelli	
RM33	Pellescritta (Montereale)	
RMA	Rockefeller Mts	
RMB	Rombauer	
RMBN	Ramban	
RMCR	Rio Macho	
RMG	Rome (USA)	
RMGF	Ravine Marchand	
RMGR	Halanga-Turnu Severin	
RMI	Round Mountain	
RMI2	Roccaromana	
RMJ	Rumoi	
RMKL	Ramhormoz	
RMN	Mount Ramon	
RMNB	Reason Mountain	
RMNI	Mount Ramon	
RMO	Rochester (NY)	
RMOA	Moar Alm	
RMP	Rome, Mte Porzio	
RMQ	Roma	
RMR	Rimrock	
RMSF	Reims	
RMT	Round Mountain	
RMU	Rainbow Monument	
RMVG	GOVORA	
RMW	Rattlesnake Mountain	
RMX	La Rumorosa	
RN-	Rainelle	RN-WV
RNC	Little Raleigh	
RND	Reindeer	
RNDA	Aranda	
RNF	Rovaniemi	
RNHA	Neuhaus	
RNI	Roncone	
RNI2	Rionero Sannitico	
RNO	Roman Nose	
RNON	Nonn-Bad Reichenhall	
RN-WV	Rainelle	
RNYS	Ranyah	
ROA	Roan Cliffs	
ROB	Robourent	
ROBI	Boca de Chavon	
ROBS	Robic@19	
ROC	Rochester	
ROC1	El Roble	
ROCE	Novi Di Modena	
ROCH	El Roble	
ROD	Rodman Mountain	
RODG	Roetgen-Dahlheim	
RODI	Rodini	
ROF	Roppe	
ROG	Rognes	
ROH	Rohtak	
ROHR	Rohrbach	
ROI	Rossano	
ROIA	ROIAK	
ROKL	Rocklands	
ROKM	Rocklands Reservoir	
ROKY	Rotten Point	
ROL	Rolla	
ROM	Rome	
ROM9	Roma	
ROMN	Roman Lake	
RON	Remote	
RONM	Roccetta Nervino	
ROOS	tl_alroos	
RORO	Rocca Rossa	
RORSS	Ber_school_1	
ROS	Roseneath	
ROSA	Rosais	
ROSC	El Rosal	
ROSF	Rostrenen	
ROSI	Rosskopf	
ROSS	Ross	
ROT	Rotorua	
ROTD	Rotterdam (NY)	
ROTM	Rocchetta Tanaro	
ROTU	Roteberg	
ROTZ	Rotzenmuhle	
ROU	Rougiers	
ROUQ	Riviere-Ouelle	
ROVE	Rovereto Di Novi	
ROVR	Rover˚¤ Veronese	
ROW	Rowesville	
ROWM	Rowsley	
ROX	Roxburgh	
ROYM	Rob Roy	
RPA	Roopena	
RPF	Rose Park Fire Station, Salt Lake City, UT	
RPK	Roosevelt	
RPM	Rheinpreussen Mine	
RPN	Rapa Nui	
RPR	Rampur	
RPSI	Rantau Prapat	
RPT	Raluana Point	
RPV	Rancho Palos Verdes	
RPW	Rockport	
RPZ	Rata Peaks	
RRD	Roosevelt Roads	
RRH	Rhenigidale	
RRHS	Rochester High School	
RRI	Red Ridge	
RRI2	Red Ridge	
RRL	Rocca Remolon	
RRO	Red Rock Canyon	
RRP	Roosevelt Roads	
RRR	Rubha Reidh	
RRRZ	Republican Road	
RRX	Edison Barstow Service Cntr	
RS-	Russell Springs	RS-KY
RS1	Redoubt South 1	
RS2	Redoubt South 2	
RSA	Sarsar	
RSB	Ravensbos	
RSBC	Riverside Borehole	
RSC	Scourie	
RSCM	Risco	
RSCP	Cumberland Plateau	
RSD	Rainshed	
RSDY	Resadiye-TOKAT	
RSE	Rose Pump	
RSH		
RSHJ	J Risha	JRSJ
RSHS		
RSJ	Rancho San Jose	
RS-KY	Russell Springs	
RSL	Roselend	
RSM	Repubblica di San Marino	
RSNT	Yellowknife	
RSNY	Adirondack	
RSO	Redoubt South	
RSON	Red Lake	
RSP	Reno Superiore	
RSPO	Restoule Provincial Park	
RSRB	Richmond-San Rafael Bridge	
RSSD	Black Hills	
RST	Umm Al-Ruwaisat	
RSTA	Tijuco Alta	
RSU	Mount Rainier--Summit	
RSUT	Red Spur Mountain	
RSV	Radio Antilles	
RSW	Rattlesnake Hills	
RSY	Rusayo	
RT-	Raton	RT-NM
RTA	Riberalta	
RTB	Rutbah	
RTBI	Rangdo, Negare	
RTBS	Barreal	
RTC	Rabat Centre	
RTCB	Cerro Blanco	
RTCV	Cerro Valdivia	
RTK	Rohtak	
RTLL	Cerro Villicun	
RTLS	Leoncito	
RTMI	Retamim	
RTMM	Retamin	
RTMQ	Marquesado	
RTN	Rota	
RT-NM	Raton	
RTO	Tolsta	
RTP	Ruataniwha	
RTPR	Patquia	
RTQ	Roma	
RTR	El Retiro	
RTRS	Rodeo	
RTUL	Rataul	
RTV	Rentapao	
RTY	Rotoiti	
RUB	Prince Rupert	
RUBB	Prince Rupert	
RUDS	Rudovci	
RUDU	RUNDU	
RUE	Ruedersdorf	
RUM	Rumangabo	
RUMJ	Er Rumman	
RUN	Ruthven	
RUN2	Runtun	
RUN3	Runtun 3	
RUN5	Runtun	
RUND	Rundenannen	
RUP	Ruppelstein	
RUS	Russkaya	
RUSC	La Rusia	
RUSF	Rustrel	
RUSM	Rushworth	
RUT	Ruth	
RUTI	Ruteng	
RUV	Rauvai	
RUWJ	Ruweisid	
RUZ	Raurimu	
RVAZ	Riverhead Borehole	
RVC	Mount Rainier--Voight Creek	
RVCM	Rose Valley Central	
RVE	Reveille Range	
RVI2	Rocchetta Volt	
RVM	Rio Vista Mine	
RVR	Riverside	
RVRD	Rio Verde	
RVS	Riverside Mountains	
RVUT	Riverside	
RVVM	Revivim	
RVW	Rose Valley	
RW1	Ridgway	
RW2	Ridgway	
RW3	Ridgway	
RW4	Ridgway	
RW5	Ridgway	
RW6	Ridgway	
RWB	Wassenberg	
RWMO	Wildenmoos	
RWW	Ranney Well	
RWWY	Rawlins	
RXF	Rexford	
RY-	Ryder	RY-ND
RYB	Rybach'ye	
RYD	Riyadh	
RYDS	Riyadh	
RYN	Ryan	
RY-ND	Ryder	
RYS	Reyes Peak	
RZN	Rozhen	
S04C	Ingram Canyon, Westley	
S05C	Merced	
S06C	San Francisco Camp Mather, Mather	
S08C	White Mtn Res Sta-Crooked Creek, Bishop	
S09A	Goldfield	
S10A	Tonopah Range, Tonopah	
S11A	Rachel	
S12A	Delamar Landing Field, Caliente	
S13A	Holt Ranch, Enterprise	
S14A	Cedar City	
S15A	Panguitch	
S16A	Weppner Ranch, Escalante	
S17A	Black Ridge (BLM), Bullfrog Basin	
S18A	Hurst Farm, Blanding	
S19A	Harvey Farm, Monticello	
S20A	Disappointment Valley, Cahone	
S21A	Coal Bank Pass, Durango	
S22A	4UR Ranch, Creede	
S23A	Nye Farm, Monte Vista	
S24A	Houchin Ranch, La Veta	
S25A	Robets Cordova Ranch, Walsenberg	
S26A	Kim	
S27A	Las Animas	
S28A	Manter	
S29A	Ulysses	
S30A	Montezuma	
S31A	Mullinville	
S32A	Newby Ranch, Pratt	
S33A	Kaszmaul Farm, Murdock	
SA-	Seneca	SA-OR
SA2	San Angelo	SA2TX
SA2TX	San Angelo	
SA4	San Angelo	SA4TX
SA4TX	San Angelo	
SAA	Sakai	
SAAT	Saatly	
SAB	Saberio	
SABA	Saba	
SABC	Sabc	
SABG	Sable island	
SABO	M.te Sabotino	
SABS	Saba	
SABT	Saba	
SAC	San Andreas	
SACA	Loma Carmona	
SACR	S. Croce Del Sannio	
SACS	San Casciano dei Bagni	
SACV	Santiago Island	
SAD	Saidpur	
SADA	Sad'ah	
SADC	Saddle Peak	
SADO	Sadowa	
SADQ	Saint-Augustin-de-Desmaures	
SAE	Statte	
SAF	Zefat	
SAFT	Safranbolu	
SAG	Saga	
SAGI	Saggi Highlands	
SAH	Sawauchi	
SAHE	Sakarya_HENDEK	
SAI	Saigo	
SAIU	Southern Antelope Island	
SAJV	Sajaritas	
SAK	Sakata	
SAL	Salo	
SALA	Sala	
SALAN	Lac Salanfe	
SALB	San Lorenzo Bellizzi	
SALC	Salvajina	
SALF	Salau	
SALI	Salinas	
SALJ	Salt	
SALM	Salem	
SALO	Salr	
SALR	Pechorkino, Salair, Kemerovskaya Oblast', Russia	
SALT	Sultana	
SALU	Saltoluokta	
SALX	Saltillo	
SAM	Samarkand	
SAMA	S.Maria delle Mole (Ciampino, Roma)	
SAMG	Sameba	
SAMH	Samovar Hills	
SAML	Samuel	
SAMO	Samokov	
SAMS	Samsun-Alacam	
SAN	Santiago	
SAN1	Sandwick	
SANA	San'a	
SANI	Sanana	
SANQ	St-Andre-du-Lac-St-Jean	
SANT	Santorini	
SANU	Sandwick	
SANV	Sanarito	
SANY	Sanborn	
SANZ		
SAO	San Andreas Geological Observatory	
SAOF	Saorge	
SAON	Isla Saona	
SA-OR	Seneca	
SAP	Sapporo	
SAPN	Saipan	
SAR	Sarajevo	
SARI	SarD1z-Kayseri	
SARN	Sarigan	
SARO	Sassorosso	
SARP	Sargodha	
SARR	Saratov	
SART	Tekirdag	
SAS	Saskatoon	
SASA	Sand Point	
SASS	Sassa´´´´´´	
SAT	Sang-Tuda	
SAT1	San Antonio Texas	
SATI	Passo dei Salati	
SATS	Thornton Park	
SAU	Saltair	
SAUI	Saumlaki	
SAUR	Augst-Roemermuseum	
SAV	Savannah	
SAW	Saint Andrews	
SAX	Saentis	
SAY	Sayfiye	
SAZ	Santa Maria Island	
SB-	Grafenberg Ar.	GRF
SB1	Sierra Blanca Array Site 1	
SB2	Sierra Blanca Array Site 2	
SB3	Sierra Blanca Array Site 3	
SBA	Scott Base	
SBAF	Basel-Friedhofgasse	
SBAP	Basel-PUK	
SBAT	Basel-Tropenhaus	
SBB	Saddle Back Butte	
SBC	Santa Barbara	
SBCZ	Sonora Basin	
SBD	Saint Breward	
SBD1	Bryn Du	
SBDP	Sheikh Budin	
SBE	Sebes	
SBEA	Susan B. English School	
SBES	Silver Beach Elementary School	
SBF	Sospel	
SBG	Sibinal	
SBH	Shibata	
SBI	Santa Barbara Island	
SBID	Snowbank Mountain	
SBIS2	Binningen	
SBJ	Shimobe	
SBJI	Serang	
SBK	Seabrook	
SBKC	Saddleback Mountain	
SBL	Sacbachol	
SBLS	San Blas	
SBM	South Baldy	
SBN	Saba	
SBNU	Taloyoak	
SBO	Springbok	
SBP	Subic Bay	
SBPH	San Jose del Monte	
SBPO	S.Benedetto Po	
SBQ	Sherbrooke	
SBR	S Black Range	
SBRN	Brisbane	
SBS	Sidi-Bou-Said	
SBSI	Sibolga	
SBT	San Benito	
SBT1	Cinarcik-Koru-Yalova	
SBT2	Guzelce-Avcilar-Istanbul	
SBT3	Marmara-Ereglisi-Tekirdag	
SBT4	Kumbag-Tekirdag	
SBT5	Esenkoy-Cinarcik-Yalova	
SBTG	Sabatlo	
SBU	Stansbury Island	
SBUB	Buchserberg Malbun	
SBUM	Sibu	
SBV	Sambava	
SBVC	San Bernardino Valley	
SBY	Sand Bay	
SC-	Sutcliffe	SC-NV
SC2M	Scurtabo	
SCA	Santa Cruz	
SCB	Scarborough	
SCC	Santa Cruz	
SCCB	Santa Clara County Offices	
SCCK	Coley Creek	
SCCM	Colson Canyon	
SCCW	Shoreline CC	
SCE	Schlegeis	
SCE1	Shell Creek	
SCEL	Celerina	
SCER	sogukcermik	
SCF	Sheep Creek Facility	
SCG	Saint Claude	
SCH	Schefferville	
SCHD	Schmiedefeld	
SCHE	Schaffhausen-Ebnat	
SCHF	Schoenfels	
SCHN	Schinveld	
SCHQ	Schefferville	
SCHR	S. Chirico Raparo	
SCHRR	Schitu	
SCHS	Schaffhausen, Spital	
SCI	San Clemente Island	
SCIA	State Center	
SCIG	Sabancuy	
SCJI	Gunung Srandil	
SCK	South Creake	
SCL	Santa Clara	
SCLL	Scilla	
SCLT	Jiali	
SCM	Sheep Creek Mountain	
SCMO	St. Charles CC	
SCN	Sunset Crater	
SCNT	Darkhovein	
SC-NV	Sutcliffe	
SCO	Scoresbysund	
SCOM	Sussex County Emergency Operations Center	
SCOU	Cournillens	
SCP	State College	
SCP1	State College	
SCPH	Surigao	
SCR	San Cristobal	
SCRK	Sand Creek	
SCRN	Santa Cruz	
SCRT	Cerro San Cristobal	
SCRV	San Cristobal	
SCS	Sicasica	
SCT	Scotty Lake	
SCTE	Santa Cesarea Terme	
SCU	Sheep Canyon	
SCUC	Scuol-Clozza	
SCUM	Serra do Cume	
SCUT	Santa Clara	
SCV	Saint Croix	
SCVI	Saint Croix	
SCW	Sherman Crater--Mount Baker	
SCX	San Cristobal	
SCY	Stone Canyon Reservoir	
SCYB	Stone Canyon	
SCZ	Santa Cruz	
SCZP	Santa Cruz	
SCZT	Fangliau	
SDA	Shkodra	
SDAN	Sedan	
SDB	Sa da Bandeira	
SDC	San Diego	
SDCA	Salto do Cavalo	
SDCO	Great Sand Dunes National Park	
SDD	Santo Domingo	
SDD01	Loma Colora	
SDD02	Loma Siseviere	
SDD03	Loma La Ceniza	
SDD04	Loma El Mogote	
SDD05	Loma Manaclilla	
SDD06	Hatillo	
SDD07	Loma El Cafe	
SDD08	Loma Yayales	
SDD09	Ceiba Bonita	
SDD10	Monte Rojo	
SDDR	Presa de Sabaneta	
SDE	Santiago Estero	TPA
SDEM	Sadie Cove	
SDF	Sodankyla	
SDG	Sourdough	
SDH	Striped Hills	
SDI	San Donato	
SDJ	Sanada	
SDKM	Sandakan	
SDL	Saddle Mountain	
SDLC	Saltdale	
SDLR	Sedlovina	
SDM	Santiago Maria	
SDMD	Soldier's Delight Natural Environment Area	
SDMZ	Santiago de Maria	
SDN	Sand Point	
SDNR	Sundarnagar	
SDO	Salado	

Code	*Station Name*	*Other*
SDOM	Mount Sodom	
SDP	Sudden Peak, Lompoc	
SDPT	Sand Point	
SDR	Surduc	
SDRC	San Diego Road Dept, El Cajon	
SDS	Sanatorio Duran	
SDSI	Sungai Dareh	
SDV	Santo Domingo	
SDW	Sidewinder Mine	
SE-	Sleepy Eye	SE-MN
SEA	Seattle	
SEAG	Tbilisi Sea	
SEAR	Searcy	
SEAS	Seaside SMO	
SEB	Sibenik	
SEC	Stevens Creek	
SECR		
SEDN	First Sedna Site,Hudson Bay	
SEF	Sefi@18d Ru@18d	SRI
SEG	Port Louis	
SEGC	San Emigdio	
SEH	Sehore	
SEHB	SEOHWA	
SEI	Scarperia	
SEJ	Sejong Station	
SEK	Senekal	
SEKA	Sheki	
SEL	Semlyachik	
SELA	Sela	
SELF	Sixty Eight Flow	
SELQ	St-Eleuthere	
SELS	Selova	
SELV	Sierra Elvira	
SEM	Semipalatinsk	
SEMD	Semdilli	
SEMI	Semponon	
SE-MN	Sleepy Eye	
SEN	Sendai	
SEND	SEND	
SENI	Senigallia	
SENIN	Lac Senin/Sanetsch	
SEO	Seoul	
SEPW	September Lobe	
SER	Sermur	
SERE	Sereflikochisar	
SERG	Sergoula	
SERI	Serifos	
SERS	Sersale	
SES	Suffield	
SESP	Santiago Espada	
SEST	Monte Rota	
SET	Setif	
SET2	Ginetes	
SET3	Pilar	
SET4	Mosteiros	
SETA	Sete Cidades	
SEUS	St. Eustatius	
SEV	Sevastopol'	
SEW	Seward	
SEY	Seymchan	
SEY1	Mahe	
SEYC	Seychelles	
SEYT	Eskypehyr	ESKT
SF-	Snowflake	SF-AZ
SF2	Kangerlussuaq 2	
SFA	Sept-Chutes	
SFAN	Fancy Village	
SF-AZ	Snowflake	
SFB	San Francisco	
SFC	San Francisco	
SFD	Strofades	
SFDO	San Fernando	
SFER	Spokane Schools, Ferris High School ANSS-SMO	
SFF	Sheffield	
SFG	Saint Francois	
SFH	Hasselmere	
SFI	Santa Sofia	
SFIN	Scholer Farm	
SFJ	Sondre	
SFJD	Kangerlussuaq 2	
SFJM	Santa Fe	
SFK	Sufi-Kurgan	
SFL	San Felipe	
SFM	San Francisco	
SFN	Sterling Forest	
SFNV	Sufian	
SFO	Sterling Forest	
SFP	San Felipe	
SFR	San Francisco--Rincon	
SFRA	Frenkendorf	
SFS	San Fernando	
SFT	Stanford Telescope	
SFTF	Sexfontaines	
SFTN	Shelby Forest	
SFTX	Fort Shafter	
SFUC	San Fernando	
SFX	San Felipe	
SFX2	San Felix	
SG-	Seligman	SG-AZ
SG1	Sgolgore (BA)	
SG6*	San Gibilmanna	
SGA	Stephens Glacier	
SGAM	Sherman Glacier	
SGAS	Stanga	
SG-AZ	Seligman	
SGB	San Diego Bay	
SGC	Saratoga Golf Course	
SGCP	Mt. Cagua	
SGD	Sagiada	
SGE	South Ridge	
SGEB	BUCURESTI	
SGF	Sodankyla@14	
SGG	Gregorio Matese	
SGH	Sud-Ghoubbet	
SGI01	Saint George Infrasonic Array Site 1	SGIAR
SGI02	Saint George Infrasonic Array Site 2	
SGI03	Saint George Infrasonic Array Site 3	
SGI04	Saint George Infrasonic Array Site 4	
SGIA	Mirandola	
SGIAR	Saint George Infrasonic Array Beam	
	Reference Point	
SGJ	Sugihashi	
SGK	Hsinkong	HSI
SGKI	Sangatta, Kalimantan	
SGKR	Sergokala	
SGKT	Sivrigoynuk	
SGL	Mount Signal	
SGLT	Jiouru	
SGM	Silver Gate	
SGMF	Saint Gilles	
SGMN	Shimogamo	
SGN	Springfield	
SGNT	Sidi Gnaou	
SGO	Sicignano	
SGP	San Gregorio	
SGR	Segre	
SGRA	Graechen Ausblick	
SGRN	Sagara	
SGRQ	St-Georges	
SGRT	San Giovanni Rotondo	
SGS	Saint George	
SGSI	Sangihe	
SGST	Jiashian	
SGSU	St. George Fire Station	
SGT	Sevinc	
SGTA	Sant Agata di Puglia	
SGU	Sterling	
SGV	South Grapevine Mountains	
SGW	Sigmaringen-Wittberg	
SGY	Signy Island	
SGZ	Semigandzh	
SH-	Shamokin	SH-PA
SH2	Sharm el Sheik	
SHA	Spring Hill	
SHA1	Shidzhatmaz	
SHAO	Shalim	
SHAR	Shatzhatmas	
SHB	Sechelt	
SHBG	Sahibganj	
SHBJ	Al Shahba	
SHBS		
SHC	Mount Saint Helena	
SHD	Sha@18hru@18d	
SHDB	Maple Bay	
SHE	Samaxi	
SHEL	Horse Pasture	
SHF	Shawinigan Falls	
SHG	Shirttail Gulch	
SHGH	Shai Hills	
SHGO	Shushtar	
SHGR	Shooshtar-Gavsavar	
SHH	Sheep Hole Mountains	
SHI	Shiraz	
SHID	Shide	
SHIN	Springhill	
SHIO	Shillong	SHL
SHIU	Shidnytsya	
SHJ	Shiono misaki	
SHK	Shiraki	
SHKI	Saki	
SHL	Shillong	
SHLN	Saint Helena Island	
SHLY	Spokane Temp K2 (Swanson)	
SHM	Shimizu	
SHMJ	Saham	
SHMP	Susana Heights	
SHMS		
SHN	Shimonoseki 3	
SHN1	Shimonoseki	
SHNJ	Shimonoseki 2	
SHO	Shikotan	
SHOC	Shoshone	
SHOH	Showa-Shinzan	
SHP	Santa Helena	
SH-PA	Shamokin	
SHPR	Sheep Range	
SHQ	Saint-Hilarion	
SHR	Shirakawa	
SHRA	Al Sharaya	
SHRD	Shirahama	
SHRF	Sharaf	
SHRG	Sheep Range	
SHRJ	Shirakawa 2	
SHRM		
SHRO	Shahrood	
SHRR	Shira	
SHRT	Shahrakht	
SHS	Shasta Dam	
SHT	Sharpitor	
SHTN	Sandy Hook	
SHTS	Shaartuz	
SHU	Shuyak Island	
SHUT	Suhut-Afyon	
SHV	Shimbara	
SHVB	Paradis Home	
SHW	Mount Saint Helens	
SHWJ	Shawbak	
SHY	Shemya	
SHYM	Surrey Hills	
SHZ	Shizuoka	
SHZ3	Shizuoka 3	
SHZE	Shinhuzimiza	
SHZJ	Shizuoka 2	
SI-	Smithers	SI-BC
SI2	Simi Peak	
SIA	Xi'an	
SI-BC	Smithers	
SIBI	Sibayak Dolok	
SIBR	Sibiu	
SIC	Sept Iles	
SID	Sida	
SIE	Siena	
SIERE	Sierre	
SIG	South Ingalls	
SIGR	SIGRI	
SIH	Signal Hill	
SII	Sitkinak Island	
SIJI	Sorong	
SIL	Silver Peak	
SILB	Sidney Island	
SILC	Silvia	
SILE	Correggio--Silva	
SILO	Sutton Inlier	
SILT	Sile	
SIM	Simferopol'	
SIMI	Simarbalatuk	
SIMPL	Simplonpass	
SIMR	Simon	
SIN	Shinagawa	
SIND	Sindeldorf	
SING	Singapore	
SINI	Singah	
SIO	Slick	
SIOO	Sion-Ophtalmol	
SIOV	Sion-Valere	
SIP	Shinkiari	
SIPA	Siparia	
SIPH	Barangay Tapao	
SIPM	Chiapas	
SIPP	Brgy, Tapao	
SIPV	Sipayare	
SIQV	Siquisique	
SIR	Siria	
SIRB		
SIRI	Monte Sirino - Moliterno	
SIRN	S˜–rnak	
SIRR	Siria	
SIRT	Sirnak	
SIS	Sion	
SISB	Singen-Schiener Berg	
SISC	Sisak	
SISI	Saibi	
SIT	Sitka	
SIU	Simushir	
SIUC	Southern Illinois University	
SIV	San Ignacio	
SIVA	Sivas	
SIW	Isle of Wight	
SIY	Silver City	
SIZ	Stewart Island	
SIZA	Siya@14za@14n	
SJ-	San Jose (USA)	SJ-TX
SJA	San Juan	
SJAF	Saint Jean de L'Alberes	
SJAS	San Jacinto	
SJB	Cape Saint James	
SJC	San Javier	
SJCH	San Jose de Maipo	
SJES	Sjenica	
SJG	San Juan	
SJGC	San Juan (W)	SJG
SJH	Saint Joseph Seminary	
SJI	Sawahan	
SJID	Saint Joe	
SJM	San Jose Maipo	
SJMB	Sao Joao De Manteninha	
SJMO	Saint John's Bayou	
SJMP	San Jose	
SJN	San Juan, Peru	
SJNN	Saint John's	
SJP	San Juan	
SJPF	Ste Jean	
SJQ	San Joaquin Reservoir	
SJR	San Jose	
SJRM	San Jeronimo	
SJS	Escuela Geologia	
SJT	SanJuan Tecuaco	
SJ-TX	San Jose	
SJU	San Juan	
SJUU	Sjulsmark	
SJUZ	Santa Julia	
SJV	Saint John	
SJX	San Joaquin	
SK-	Shamrock	SK-TX
SKA	Skalstugan	
SKAF	Kaiseraugst-Friedh	
SKAG	Skagway	
SKB	Skidegate	
SKC	Skalna	
SKD	Sitkalidak Island	
SKDA	Skikda	
SKDB	Saint Kitts 2	
SKDS	Skadanscina	
SKG	Skaggs Springs	
SKGA	Skagway School	
SKH	Sakata 2	
SKHZ	Khezeriat	
SKI	Saint Kitts	
SKIA	Skiathos	
SKJI	Sukabumi	
SKK	Sikka	
SKL	Skilak	
SKLT	Songkhla	
SKLY	Ski Hill Lift	
SKN	Skaneateles	
SKO	Skopje	
SKOR	Skordalos	
SKP1	Kophill	
SKR	Severo-Kuril'sk	
SKSI	Soroako, Sulawesi	
SKT	Skwentna	
SKT*	Shikotan	SHO
SKTB	Turtle Beach	
SK-TX	Shamrock	
SKU	Sakura	
SKW	Shichikawa	
SKY	Skiros Island	
SKZ	Skazka	
SL-	Sault Ste Marie	SL-ON
SL6*	Punta Lena	
SLA	San Lorenzo	
SLAT	Slait	
SLB	Belfond	
SLBC	Solana Beach	
SLBQ	St-Lucie-de-Beauregard	
SLBS	Sierra La Laguna	
SLC	Salt Lake City	
SLCN	Sala Consilina	
SLD	San Luis Dam	
SLDE	Delcer	
SLE	Schleitheim	
SLEB	Sale Mountain	
SLF	Silifke	
SLFW	Sugar Loaf	
SLG	Sinonel	
SLGI	Shiliguri	
SLI	Saint Lucia	
SLIT	Slitere, Latvia	
SLK	Susurluk	
SLKI	Saumlaki	
SLKM	Skilak Lake	
SLKY	Flemingsburg	FLKY
SLL	Stollet	
SLM	Saint Louis	
SLMH	Al Salmeh	
SLMT	Seeley Lake	
SLN	Salinas	
SLNA	Salina	
SLNF	Slenfeh	
SLNR	Muhor-Tarhata, Altay Republic, Russia	
SL-ON	Sault Sainte Marie	
SLP	San Antonio	
SLPA	Patience	
SLPE	Piton Saint Espirit	
SLQ	Saint Louis du Ha Ha	
SLR	Silverton	
SLS	Soengei Langka	
SLT	Salta	
SLTA	Morne Tabac	
SLTC	Salton Sea Test Base	
SLTI	Sal'it	
SLTN	Sullivan	
SLU	San Luis	
SLUM		
SLUW	Luzern Werkhofstrasse	
SLV	Seldovia	
SLVN	Son La	
SLVT	Silivri	
SLW	Petit Monier	
SLWS		
SLX	San Luis Rˆ›o Colorado	
SLY	Sulaymaniyah	
SM-	Seymour	SM-TX
SMA	Summerton	
SMA1	SAN MARTINO	
SMAI	San Martin Antarctic Base	
SMAJ	Sumiya	
SMAM	San Marcos	
SMAR	Somma	
SMAV	Semnan-Aivanekay	
SMB	Samaipata	
SMB1	Colle San Martino	
SMBI	Sixmile Butte	
SMC	Somerset	
SMCB	Saint Mary's College	
SMCF	Saint Martin du Canigou	
SMCN	San Marcos	
SMCO	Snowmass	
SMCQ	St-Marc-des-Carri˜ores	
SMD	Mendips	
SMDO	Samad	
SMDT	Samandagi	
SME	Santa Rosa Mine	
SMF	Signal de Mont	
SMG	Samos	
SMGA	Sumqayit	
SMGT	Moghavemat	
SMI	Simla	
SMIA	Simia	
SMJ	Shimohsa	
SMJD	Shimonomoto	
SMJM	Simojovel	
SMK	Shimokamo	
SMKI	Samarinda	
SMKR	Semkarok	
SMKY	Sacramento	
SML	Sawmill	
SMLA	Simla	
SMLN	Simpson Lake, Nunavut	
SMLT	Sun Moon Lake	
SMM	Ste Marie-Mines	ECH
SMMC	Simmler	
SMMM	San Miguel	
SMMS	Six Mile Mountain	
SMN	Sleeping Mountain	
SMN1	Samana, DR	
SMNB	Stockdale Mountain	
SMNC	South Mountain	
SMNM	San Marcial	
SMNR	Sumner High School ANSS-SMO	
SMO	Santa Rosa Mountain	
SMOL	Smolenice	
SMP	Somplago	
SMPI	Sarmi	
SMPL	Sampolo	
SMPN	Simpson Lake	
SMQ	Clarke City	
SMR	Semeru Mts	KEL
SMRD	Mared	
SMRF	Simiane la Rotonde	
SMRH	Sumara - IBB Gov. - Yemen	
SMRI	Semarang	
SMRK	Smrekonice	
SMRM	Smir	
SMRT	St. Maarten	
SMS	Samos	
SMSC	Smeltzer Mountain	
SMT	Sultan-Mazar	
SMTC	Superstition Mountain	
SMTH	Samothraki Island	
SMTN	Short Mountain	
SM-TX	Seymour	
SMU	Sunnyside Mine	
SMUK	Muraz-Klaeranlage	
SMUR	Muraz-Reservoire	
SMV	Samsville	
SMW	South Mountain	
SMWM	Sugarloaf Mountain West	
SMX	San Miguel	
SMY	Shemya	
SMZW	Muttenz-Waldhaus	
SN-	Sunflower	SN-AZ
SN1	Capo Mulini Mare	
SNA	Sanae	
SNAA	Sanae	
SNAL	S. Angelo Dei Lombardi	
SNART	Snartemo	
SN-AZ	Sunflower	
SNB	Saturna Island	
SNC	San Nicolas Island	
SNCC	San Nicolas Island	
SND	San Diego	
SNDA	J Saunders Place	
SNDC	Sand Canyon	
SNET	Serv Nac Est Terr	
SNF	Seneffe	
SNG	Songkhla	
SNGE	Sanandaj	
SNGI	Sangi-Kar	
SNGR	Sinegor'e	
SNGZ	Shannon Station	
SNH	Sunshine Point	
SNI	Sanriku	
SNIB	St. Niklaus Bahnhofstrasse	
SNIO	Spokane Nat. Inst. Occ. Safety SMO	

Code	Station Name	Other
SNIWA	Snively Ranch	
SNJ	Sinj	
SNJE	San Jose	
SNJR	Sundja	
SNK	Salina	
SNKA	Sanak Island	
SNKN	Sanikiluaq	
SNL	Sevenhill	
SNLN	Sandy Lake, NWT	
SNM	Socorro	
SNN	Xining	
SNO	Snow College	
SNOP	Sinop	
SNOW	Snow King Mountain	
SNP	Sonepat	
SNPH	Sibulan	
SNPN	Snap Lake	
SNPY	Stony Point	
SNQN	Sanikiluaq	
SNQU	Santaquin	
SNR	Schaffner Ranch	
SNS	San Onofre	
SNSI	Sinabang, Aceh	
SNT	Sears Point	
SNTD	Shikano	
SNTG	Esanatoglia	
SNU	Stansbury North	
SNUT	Stansbury North	
SNVI	San Vicente	
SNX	Sinaia	
SNY	Shenyang	
SNZ	Senzan	
SNZO	South Karori	
SO-	Sorel	SO-QB
SOA	Owia	
SOB	Sobradinho	
SOB1	Sobradinho	
SOB2	Sobradinho	
SOB3	Sobradinho	
SOB4	Sobradinho	
SOC	Sochi	
SOCH	Soche	
SOCV	Socops	
SOCY	Socotra	
SOD	Sodankyla@14	
SODA	Al Sooda	
SOE	Somerset East	
SOEI	Soe	
SOF	Sofiya	
SOFL	Sornfelli, Faroe Islands	
SOFT	Gaziantep	
SOG	Santiaguito	
SOG2	Santiaguito 2	
SOH	Sokhos	
SOI	Samo	
SOIM	Smimou	
SOKA	Soboth	
SOKB	Sooke	
SOKR	Solikamsk	
SOKY	Sonora	
SOL	Solontsovaya	
SOLC	Bahia Solano	
SOLO	Sioux Lookout	
SOLU	Sollefteaa	
SOLUN	Solunto	
SOM	Sombrero	
SOMN	Somoto	
SON	Sonneberg	
SONA	Sohna	
SONA0	Songino Array Site A0	
SONA1	Songino Array Site A1	
SONA2	Songino Array Site A2	
SONA3	Songino Array Site A3	
SONA4	Songino Array Site A4	
SONB1	Songino Array Site B1	
SONB2	Songino Ar. Site	
SONB3	Songino Array Site B3	
SONB4	Songino Array Site B4	
SONB5	Songino Array Site B5	
SONG	Songo	
SONM	Songino Array Beam Reference Point	
SONS	Sonsonate	
SONY	Sodus	
SOO	Sioux Lookout	
SOP	Sopron	
SO-QB	Sorel	
SOR	Soroa	
SORM	Soroca	
SORT	Sorpetalsperre	
SOS	Soda Springs	
SOSW	Source of Smith Creek	
SOTS	Sotra	
SOU	Souberoche	
SOUA	Southern Oregon Univeristy DOGAMI SMO	
SOX	Sue Hot Springs	
SP2	Seward Park 2	
SPA	South Pole	
SPA0	Spitsbergen Array Site A0	SPITS
SPA1	Spitsbergen Array Site A1	
SPA2	Spitsbergen Array Site A2	
SPA3	Spitsbergen Array Site A3	
SPAK	Spaichingen-Kochelsberg	
SPB	Sao Paulo	
SPB1	Spitsbergen Array Site B1	
SPB2	Spitsbergen Array Site B2	
SPB3	Spitsbergen Array Site B3	
SPB4	Spitsbergen Array Site B4	
SPB5	Spitsbergen Array Site B5	
SPBA	Sand Point BB	
SPBG	Spurr Blockage Glacier	
SPC	Skalnate-Pleso	
SPCG	Spurr Capps Glacier	
SPCH	San Pedro de Atacama	
SPCI	Split Crater	
SPCR	Spurr Chakachatna River	
SPD	Saint Peter's Dome Lookout	
SPE	Xi'an	XAN
SPF	St-Paul-en-Foret	
SPG	Saltpond	
SPH	San Pedro Hill	
SPI	Saint Paul Islands	
SPIA	Saint Paul Island	
SPIE	Spinoso	
SPIG	San Pedro Martir	
SPIN	Swan Pond Ditch	
SP-IS	Saint Paul	
SPITS	Spitsbergen Array Beam Reference Point	
SPIZ	Spitak	
SPJ	Spur Tree	
SPJN	Shinpukuji	
SPK	Scotts Peak	
SPL	Spiridon Lake	
SPLB	Strathcona Park Lodge	
SPM	Ship Mountains	
SPMN	St. Paul	
SPN	Mys Shipunski	
SPN5	Spine 5 MSH Spider	
SPNC	Sapanca-Adapazari	
SPNW	Spurr Northwest	
SPNY	Stone Ridge	
SPO	Spokane	
SPP	Saint Paul	
SPR	Saint Pierre	
SPRG	Spotted Range	
SPRM	Split Rock	
SPS	San Pedro Poas	
SPSI	Sidrap Palu	
SPSY	Saint Peters School	
SPT	South Point	
SPU	Mount Spurr	
SPUT	South Promontory Point	
SPV	Sa-pa	
SPVI	Shoe Peg Valley	
SPW	Seward Park	
SPWE	Spurr West	
SPX	San Pedro Martir	
SPY	Shingle Point	
SPY1	Spijk (Roodeschool)	
SPY2	Spijk (Roodeschool)	
SPY3	Spijk (Roodeschool)	
SPY4	Spijk (Roodeschool)	
SQF	Squaw Harbor	
SQ-IS	Shemya	
SQM	Sequim	
SQR		
SQTA	Sankt Quirin	
SQU	Squaw Peak	
SR-	Sparta	SR-OR
SRA	San Ramon	
SRAT	Sarat Abidah	
SRB	Samuel	
SRBC	Serra Branca	
SRBF	Surbourg	
SRBI	Singaraja	
SRC	Salinas Radio Site	
SRCG	Sart'ichala	
SRD	San Andres	
SRDI	Scrawed	
SRDR	Sredinnyy	
SRDT	SRDT	
SRE	Strehaia	
SRER	Reinach, Rainenweg	
SRF	Snake Ranch	
SRFA	Sharaf	
SRG	Seaman Range	
SRH	Rilland Hill	
SRHB	Riehen-Baumlih	
SRI	Sefi@18d Ru@18d	
SRIG	Santa Rosalia	
SRJ	Sugihara	
SRJD	Shirakawa	
SRK	Sredniy Kalar	
SRKR	Sorokina	
SRL	Santa Rosalia	
SRLN	Sarcpa Lake, Nunavut	
SRM	Socorro	
SRMB	Sarakhs	
SRMH	Minami-Gairin	
SRMY	Scherman	
SRN	Sarande	
SRNI	Srinagar	
SRNR	Reinach, Reinacherhof	
SRO	Srobarova	
SRO1	Iza	
SRO2	Moca	
SR-OR	Sparta	
SRP	Santa Rosa	
SRPD	Savannah River	
SRPE	Suurupi	
SRPI	Serui, Papua	
SRPN	Savannah River	
SRPW	Savannah River	
SRQ	San Roque	
SRR	Isla Socorro	
SRS	Serrai	
SRT	Sarutani	
SRTC	Snort	
SRU	San Rafael	
SRV	Santa Rosalia	
SRY	Shiroyama	
SS-	Sanderson	SS-TX
SS2	San Sevaine	
SSA	Susara	SSR
SSB	Saint Sauveur en Rue	
SSBA	Shishaldin	
SSC	Saint Sauveur de Carouges	
SSD	Sandimen	
SSE	Sheshan	
SSF	Saint Saulge	
SSF1	Saint Saulge	
SSFR	Montelago di Sassoferrato	
SSG	Sans Toucher	
SSH	Sunshine	
SSHG	Shadegan	
SSI	Semisopochnoi Island	
SSIB	Saltspring Island	
SSJ	Shinshu-shinm'i	
SSK	Sunset Peak	
SSKY	Summer Shade	
SSL	Sunset Lake	
SSLB	Suanglung	
SSLN	Shishaldin North	
SSLS	Shishaldin South	
SSLW	Shishaldin West	
SSM	Saint Martial	
SSN	San Juan del Sur	
SSNN	San Juan del Sur	
SSNO	Creighton Mine,Sudbury	
SSO	Sasso d'Italia	
SSOR	Sweet Springs	
SSP	Shoshone Peak	
SSP1	Stoney Pound	
SSP9	Sansepolcro	
SSPA	Standing Stone	
SSQ	Sandspit	
SSR	Susara	
SSS	San Salvador	
SSS1	John Stanford Center Downhole Anss-SM	
SST	Susitna	
SS-TX	Sanderson	
SSU	San Pedro Sula	
SSUO	Shawnee State University	
SSV	Crater Summit	
SSW	Stow on the Wold	
SSX	SS1	
SSY	Sortino	
SSZ	Sekisonzan	
ST-	Stillwater	ST-NV
ST1	Streeter	ST1TX
ST1TX	Streeter	
ST2	Streeter	ST2TX
ST2TX	Streeter	
ST4	Streeter	ST4TX
ST4TX	Streeter	
STA	Satara	
STAB	Staufenbuehl	
STAF	Tafers	
STAL	STALIGIAL	
STAN	Stanford	
STAR	Star City	
STAT	Sint Eustatius	
STAU	Staufen im Breisgau	
STAV	Stavanger	
STB	Steinbach	
STC	Stone Canyon Observatory	
STCC	Santa Clara	
STCH	Steam Cracks	
STCO	Saint Catharines	
STCR	Santa Cruz	
STCW	Studenec	
STD	Studebaker Ridge	
STDB	Stepnoy Dvorets	
STDO	Santo Domingo	
STDR	Stavd-Durt	
STE	Stepanavan	
STEI	Steigen	
STEIN	Stein am Rhein	
STET	Saint-Etienne-de-Tinee	
STEW	Steamboat Mountain	
STEZ	Stepenevan	
STF	Statfjord A Platform	
STFR	Stefanesti	
STG	Strathgordon	
STGR	Santa Cruz	
STGV	Strathgordon Vge	
STH	Stony Hill	
STHS	Stebnicka Huta	
STI	Star Valley	
STIA	Sitia Lasithi	
STID	Stanley	
STIL	E St Louis HE Ctr	
STIP	Stip	
STJ	Saint John's	
STJN	Saint John's	
STK	Stephens Creek	
STKA	Stephens Creek	
STKI	Sintang	
STKP	Saint Kitts	
STKZ		
STL	Santa Lucia	
STLK	Strandline Lake	
STLN	Stellar Camp, Hudson Bay	
STLY	Stiles	
STM	Slate Mountain	
STMA	St. Maarten, Airport	
STMT	Stillwater Mine	
STN	Seatoun	
STN3	Satriano di Lucania, Italy	
STNC	Stoke	
STNU	Starunia	
ST-NV	Stillwater	
STO	Stonyhurst	
STOF	St-Etienne Orgue	
STOK	Stokkvaagen	
STOK1	Konsvik	
STOK2	Flostrand	
STON	Ston	
STOQ	Stoneham	
STP	Stepladder Mountains	
STPQ	St-Pascal	
STR	Strasbourg	
STR2	Strathalbyn	
STR3	STROMBOLI 3	
STR4	STROMBOLI 4	
STR5	Stromboli 5	
STRD	Stroud	
STRE	Sannotorii	
STRR	Strizhament	
STRS	Struganik	
STRU	Stroemstad	
STS	Santiago	
STSP	Tschierv	
STT	Seattle	
STTC	Scott Ranch	
STU	Stuttgart	
STV	Sant Anna di Valdieri	
STV2	Sant' Anna di Valdieri 2	
STVI	Saint Thomas	
STW	Striped Peak	
STWA	Stillwater	
STX	Station 2	
STY	Stony River	
STYT	Tauyuan	
STZ	Stratford	
STZU	Stuzhytsa	
SU-	Schuyler	SU-VA
SUA	Susitna One	
SUBF	Surbourg	
SUC	Sucre	
SUCK	Suckling Hills	
SUCO	SUCO	
SUD	Sudbury	
SUDU	Sudak	
SUE	Sulen	
SUF	Sumiainen	
SUFF	Suffern	
SUG	Sugar Island	
SUH1	Surhuizum	
SUH2	Surhuizum	
SUH3	Surhuizum	
SUH4	Surhuizum	
SUI	Sui-hua	
SUK	Suckling Hill	
SUL	Sulphur Creek	
SULB	Vanderhoof	
SULJ	Sultana	
SULR		
SULT	Sultanhani-AKSARAY	
SULZ	Cheisacher	
SUM	Sumoto	
SUMG	Summit	
SUN	Sunnyside	
SUNK	Sunasenri	
SUNO	Sudbury Onaping	
SUO	Sudbury	
SUP	Superstition Mountain	
SUR	Sutherland	
SURF	Saint Ours	
SURI	Summit Reservoir	
SURV	Survey Creek	
SUS	Susaki	
SUSD	South Dakota State University	
SUSE	Susehri	
SUSZ	Shushi	
SUT	Suttsu	
SUT1	Suttsu	
SUTB	Sutter Butte	
SUTC	Sutluce-Isparta	
SUU	Santaquin Canyon	
SUUS	Susuman	
SUV	Suva	
SU-VA	Schuyler	
SUW	Suwalki	
SUZ		
SV-	Springerville	SV-AZ
SV2	Schefferville	SV2QB
SV2QB	Schefferville	
SV3	Schefferville	SV3QB
SV3QB	Schefferville	
SVA	Suva	
SVAM	Vaz, Muldain	
SVAN	Silvan-Diyarbakir	
SVAU	Svanoeiden	
SV-AZ	Springerville	
SVB	Belmont	
SVC	Silver Creek	
SVD	Seven Oaks Dam	
SVE	Sverdlovsk	
SVG	Indian Gallows	
SVI	Saint Vincent	
SVIL	Visp Littennaring	
SVIN	Saint Vincent's CYO School for Boys, San Rafael	
SVIO	Visp Obere Stapfengasse	
SVIS	Svilajnac	
SVIT	Visp-Terbinerstrasse	
SVK	Severo-Muysk	
SVKR	Severomuysk	
SVL	Baleine	
SVLR	Shiveluch	
SVM	Silver City	
SVMT	Summit Valley	
SVN	Savane Anatole	
SVO	Savo	
SVOH	Skagit Valley Community College ANSS SMO	
SVP	Silver Peak Range	
SVR	Savage River	
SVRC	Sivrice-ELAZID	
SVRH	Sivrihisar-ESKISEHIR	
SVS	Slandsville	
SVSK	Karacayir	
SVST	Sivas	
SVT	Saint Vincent	
SVTA	Shivta	
SVTC	San Vito de Coto Brus	
SVTR	Two Rivers School, Snoqualmie Valley	
SVV	Soufriere Volcano	
SVW	Sparrevohn	
SVW2	Sparrevohn	
SW-	Sweetgrass	SW-MA
SWA	Swan Island	
SWA1		
SWA2		
SWAJ	Obama	
SWB	Southwest Bay	
SWD	Swaziland	
SWET	Sewanee	
SWFL	Southwest Flank Mount Saint Helens	
SWG	Swingate, Kent	
SWH	Southwest Rift	
SWI	Sorong	
SWID	South Whidbey SD ANSS-SMO	
SWIP	Sombrero	
SWK	Warminster	
SWL	Swaziland	
SWM	Sawmill	
SW-MA	Sweetgrass	
SWMT	Swartz Lake	
SWN	Stillwater	
SWN1	Swindon	
SWNG	Sheriff Wilson	
SWO	Sudbury	
SWP	Swamp Creek	
SWR	Swabi-Maira	
SWS	Schriesheim-Wilhelmstollen	
SWSC	Sam W. Stewart	
SWT	Sachs Harbour	
SWTN	Sewanee	
SWV	Swan View	
SWXO	Sudbury	
SWZ	Schweizer	
SX-	Salem	SX-SD
SXG	Sacranix	
SXM	Sixmile	
SXO	Sioux Lookout	
SX-SD	Salem	
SXT	Sachs Harbour	
SY-	Stickney	SY-SD
SYA	Sidi Yaiche	
SYD	Sydney	
SYDH	Sydney Hard	
SYI	Shuyak Island	
SYJ	Shimoyama	
SYKR	Syktyvkar	
SYO	Syowa Base	
SYON	Say'un	
SYP	Santa Ynez Peak	

Code	*Station Name*	*Other*
SYR	Smyrna	
SYS	San Ysidro	
SY-SD	Stickney	
SYT	Seydisehir	
SYU	Syuhurei	
SYVJ	Yverdon-Jordils	
SYVR	Suvo	
SYZ	Scrubby Hill	
SZ-	Shoal	SZ-NV
SZAC	Souni-Zanaja	
SZAF	Shezaf	
SZCU	Shurtz Canyon	
SZE	Szeged	
SZER	Zernez	
SZG	Shizugawa	
SZH	Strazhica	
SZ-NV	Shoal	
SZO	Sudbury	
SZP	Santa	
SZVM	Salazar	
T0101	Poggio Santa Maria	
T0102	San Vittorino	
T0103	L'Aquila	
T0104	Madonna delle Grazie (Coppito)	
T0105	Valle d'Ocre (Ocre)	
T0106	Roio Piano	
T0107	San Pelino (Cagnano Amiterno)	
T0108	Poggio di Roio	
T0109	Coppito (AQ)	
T0110	Collepietro	
T0201	Case Giovannangeli - (Balsorano -AQ)	
T0202	Vitale (Isola del Liri - FR)	
T0203	Casalattico (FR)	
T0204	Pescasseroli (AQ)	
T0205	Ridotti (Balsorano, AQ)	
T0401	Montottone (Fermo)	
T0402	Abbadia di Fiastra (Tolentino)	
T05C	Eagle Field, Dos Palos	
T06C	Millerton Lake Dam, Friant	
T11A	Corn Creek, Alamo	
T12A	Moapa	
T13A	Saint George	
T14A	Hurricane	
T15A	Red Dirt Ranch, Kanab	
T16A	Glen Canyon Dam (NPS), Page	
T17A	Navajo Res., Navajo Mountain	
T18A	Mexican Hat	
T19A	Beclabito	
T21A	Navajo Lake	
T22A	Edith	
T23A	Casias Ranch, Antonito	
T24A	Torres, Weston	
T24B	San Luis	
T25A	Trinidad	
T26A	Comanche National Grassland Park, Kim	
T27A	Campo	
T28A	Walsh	
T29A	Hugoton	
T30A	Plains	
T31A	Randall Ranch, Ashland	
T32A	Huddler Ranch, Lake City	
T33A	Patterson Ranch, Waldron	
TA1	Taranto	TTI
TAA	Terre Adelie	
TAB	Tabri@18z	
TABB	Tabernacle Mountain	
TABL	Table Mountain	
TABN	Tabernacle	
TABS	Tabas	
TAC	Tacubaya	
TACH	Talagante	
TACS	Tanaga Cape Sajaka	
TAD	Tadotsu	
TADQ	Tadoussac	
TAE	Taegu	
TAF	Taforalt	
TAF1	Taif	
TAFL	Tanaga Flats	
TAFP	Tanaga Falls Point	
TAG	Tarade	
TAGA	Panbu Gunsar	
TAH	Tahiti	
TAHT	Tahtakopru-Hatay	
TAHZ	Taraponui	
TAI	Tainan	
TAI1	Yung-k'ang	
TAI2	Tainan City	
TAIF	At Ta'if	
TAIZ	Ta'izz	
TAJ	Tanegashima	
TAJ2	Tanegashima 2	
TAK	Takaka	
TAKK	Taka-dake	
TAKN	Takayama	
TAKO	Tahkenitch	
TAL	Talara	
TALB	Tatla Lake BC	
TALC	Talca	
TALL	Tallowa Pump Stn	
TALM	Tallowa	
TAM	Tamanrasset	
TAMB	Tambo	
TAMR	Tamra	
TAN	Tananarive	
TANI	Tanete Lipujang	
TANM	Chiapas	
TANN	Tannenbergsthal	
TANO	Tanaga North	
TANV	Tanna	
TAO	Talbingo	
TAOE	Nuku Hiva Island	
TAP	Taipei	
TAP1	Taipei	
TAPA	Tanaga Point Aries	
TAPN	Taplejung	
TAR	Taranto	
TAR1	Taranto	
TARA	Tarawa	
TARAI	Tarakan	
TARG	Taragay, Kyrgyzstan	
TARW	Grand Targhee Resort	
TARZ	Mount Tarawera	
TAS	Tashkent	
TASE	Tanaga Southeast	
TASR	Tashtagol	
TAT	Tateyama	
TATC	Tatama	
TATH	Tatsuka	
TATJ	Tateyama 2	
TATM	Tatong	
TATN	Tataouine	
TATO	Taipei	
TATS	Tathlith	
TATV	Tatvan	
TAU	Tasmania University	
TAUL	Tau Lekoa	
TAUT	Tautenburg	
TAV	Tavurvur	
TAVF	Tavernes	
TAW	Tawu	
TAY	Tayabas	
TAYS	Tayyib Ism	
TAZ	Tarawera	
TBC	Trig B	
TBG	Guadaloupe-3	
TBGR	Tabaga	
TBH	Brigand Hill	
TBI	Tubuai	
TBJI	Tambak Boyo	
TBKS	Tabuk	
TBL	Tabele	
TBLG	Delisi	
TBLU	Trondheim	
TBM	Table Mountain	
TBO	Thunder Bay	
TBP	Tagbilaran	
TBPA	Tacoma Substation	
TBR	Table Rock	
TBRR	Tiberkul'	
TBS	Tobishima	
TBS2		
TBT	Taburiente	
TBTR	Tabat	
TBVI	Tortola	
TBW	Brentwood	
TBY	Torsby	
TBZ	Trabzon	
TC-	T or C	TC-NM
TCA	Tanti	
TCBC	Telegraph Creek	
TCBU	Trout Butte	
TCC	Turnbull Canyon	
TCE	Chacachacare	
TCF	Toulx Ste Croix	
TCG	Tacana	
TCH	Chimkent	CHM
TCHB	Talchebab	
TCHG	Chaguaramas	
TCHZ	Tchakhmakh	
TCK	Tuttle Creek Reservoir	
TCM	Tucuman	
TCN	Toconce	
TC-NM	Truth or Consequences (T or C)	
TCNV	Thirsty Canyon	
TCO	Three Creek Meadows	
TCP	Tocopilla	
TCPM	Tecamachalco	
TCPZ	Tecapa	
TCR	Colchester	
TCRU	Three Creeks Reservoir	
TCSI	Telchick Spring	
TCT	Tennessee City	
TCU	Taichung	
TCUP	Taichung Port	
TCUT	Toone Canyon	
TCW	Tory Channel	
TCX	Tecpatan	
TCY	Tin City	
TD-	Tres Piedras	TD-NM
TDA	Talladega	
TDAG	Tekirdag	
TDC	Trinidad (USA)	
TDC1	Tristan de Cunha	
TDCB	Techi	
TDD	Tadjoura Ara	
TDH	Tom, Dick, Harry Mountain	
TDJ	Tadjoura	
TDJR	Todzha	
TDK	Taldyqorghan	
TDL	Tradedollar Lake	
TDM	Tucson Desert	
TDMT	Tunduma	
TDN	Todenfeld	
TD-NM	Tres Piedras	
TDR	Todoroki	
TDS	Terranova Sibari	
TDT	Tavil'dara	
TDV	Tam Dao	
TE-	Thule	TE-GL
TEB	Eastbourne	
TEC	Tlemcen	
TECM	TEC LaTrobe	
TEE	Teeples Ranch	
TEGC	Jichi Village	
TEGH	Tema	
TE-GL	Thule	
TEH	Tehran	
TEHZ	Te Atua	
TEIG	Tepich	
TEJ	El Tejon	
TEK	Teekin	
TEKS	Tekeris	
TEL	Teeli	
TEL3	Telica 3	
TELN	Telica	
TEM	Temuco	
TEN	Tenerife	
TENA	Tena	
TEO	Teotitlan	
TEOL	Teolo	
TEP	Tecpan	
TEPV	Terepaima	
TER	Terranova	
TERO	Teramo	
TERV	Terraza Guagua	
TES	Teshikaga	
TESR		
TET	Tete	
TETM	Tetitlan	
TEY	Ternei	
TEYL	Yanliau Village	
TF-	Taft	TF-CL
TF-CL	Taft	
TFO	Tonto Forest Array	
TFO1	Folkestone	
TFRB	Telus,Franklin R.	
TFT	Tounfite	
TG-	Tongareva I.	TG-IS
TGBT	Tuxtla Gutierrez	
TGI	Taghi Ghambar	
TGIG		
TG-IS	Tongareva Island	
TGJI	Tegal	
TGL	Tana Glacier	
TGN	Turgen	
TGRV	El Tigre	
TGRZ	Tauranga	
TGT	Taghat	
TGUH	Tegucigalpa,Univ of Honduras	
TGV	Tuan Giao	
TGY	Tagaytay City	
THA	Thala	
THAL	Thalero	
THC	Tehachapi Microwave	
THE	Thessaloniki	
THEF	They Montfort	
THI	Terre Haute	
THIG		
THK	Tsim Bei Tsui	
THKV	Tehran--Karaj	
THL	Klokotos Trikala	
THMB	Thunder Mountain BC	
THN	Thein Dam	
THO	Tonto Hills Observatory	
THOB	Mount Thompson	
THP	Tara Hills	
THR	Tehra@18n	
THR1	Thera Island	
THR2	Thira island, Vourvoulos	
THR3	Thira Island, Nea Kammeni	
THR4	Thira Island, Oia	
THR5	Thira Island, Kera	
THR6	Thira Island, Akrotiri	
THR7	Fira-Santorini	
THRC	Three Sisters	
THRI	Tanaharon	
THS	The Heights School	
THT	Papeete	
THT1	Athinios (Pelekanos)	
THTN	Thala	
THU	Thule	
THULE	Thule	
THV	Thanh Hoa	
THW	Thamme Wali	
THY	Trims Highway	
THZ	Tophouse	
TI2	Plekhanov	
TIA	Tai'an	
TIAR	Tiarei	
TIC	Toumodi	
TICN	Ticuantepe	
TID	Three Point Mountain	
TIE	Tianjin	
TIF	T'bilisi	
TIG	Tigre	
TIGA	Tifton	
TIGG	Tignish, PEI	
TIH	Tihany	
TIK	Tiksi	
TILK	Tilichiki	
TILR	Tilichiki	
TIM	Timisoara	
TIMB	Timberline	
TIMO	Timmins Ontario	
TIN	Tinemaha	
TINA	Tinaroo	
TINT	Rio Tinto	
TI-NV	Tolicha Peak	
TIO	Tiouine	
TIOV	TMO PEDROTE	
TIP	Timpagrande	
TIPT	Tiptonville	
TIR	Tirane	
TIRA	La Tirana	
TIRR	Tirgusor	
TIS	Tissa	
TISN	Laguna Tiscapa	
TIT	Squaw Tit	
TITE	Tito	
TIWZ	Tintock	
TIXI	Tiksi	
TIY	Taiyuan	
TJC	Trinidad (USA)	
TJN	Taejon	
TJOU	Tjoern	
TJR	Tejon Ranch	
TK-	Tonasket	TK-WA
TK01	Tokai 1	
TK02	Tokai 2	
TK03	Tokai 3	
TK04	Tokai 4	
TKA	Tanaka	
TKB	Tkibuli	
TKC	Tsukechi	
TKCO	King County	
TKD	Takada	
TKE	Take-yama	
TKEZ	Kiri Road	
TKGZ	Te Karaka	
TKI	Tkibuli	
TKJ	Takada	
TKJD	Tokuyama	
TKK	Topkok	
TKL	Tuckaleechee Caverns	
TKM	Takamatsu	
TKM2	Tokmak 2	
TKMK	Tokmak	
TKN	Takane	
TKO	Trask Mountain	
TKR	Tekirdag	
TKS	Tokushima	
TKSJ	Tokushima 2	
TKT	Tuktoyaktuk	
TKTP	Tekketepe	
TKU	Takayasuyama	OSK
TK-WA	Tonasket	
TKY	Takayama	
TKZ	Takazawasan	
TLA	Tapachula	
TLAR	Talaya	
TLB	Topalu	
TLC	Trig L	
TLCB	Telegraph Cove	
TLCR		
TLE	Tual	
TLEK	Tau Lekoa	
TLG	Talgar	
TLI	Talmassons	
TLIG	Tlapa	
TLK	Talkeetna Mountains	
TLL	Tololo Astronomical Observatory	
TLLA	Tiendilla	
TLM	Tolmezzo	
TLN	Talang	
TLO	Toledo HGLP	
TLP	Tuguegarao	
TLS	Talasea	
TLT	Tellico Plains	
TLV	Tu Ly	
TL-WY	Thermopolis	
TLX	Tulancingo	
TLY	Talaya	
TLZ	Tolley Road	
TM-	Tomahawk	TM-WS
TMA	Tamaro	
TMB	Temblor Range Southeast	
TMBK	Timbaki Heraklio	
TMBR	Timber Mountain	
TMC	Table Mountain	
TMCH	Temuco	
TMCR	Tamitsa	
TMD	Tamdy-Bulak	
TMDA	Turtle Mountain	
TME	Tecomasuche	
TMI	Taylor Mountain	
TMK	Temiskaming	
TMM	Tecnologico de Monterrey	
TMM2	Tecnologico de Monterrey 2	
TMN	Timber Mountain	
TMO	Tin Mountain	
TMP	Tomahawk Gully	
TMR	Tomakomai	
TMS	Mera	
TMT	Talcott Mountain	
TMU	Temuco	
TMUT	Trail Mountain	
TMW	Tok Microwave	
TM-WS	Tomahawk	
TMWZ	Te Maipa	
TMX	Tampico	
TN-	29 Palms	TN-CL
TNA	Tin City	
TNAK	Tsuna	
TNB	Tanabu	
TNC	Tunceli	
TNCL	Tunceli-Merkez	
TN-CL	Twentynine Palms	
TNDR	Tynda	
TNE	Ternate	
TNF	Tounfite	
TNG	Tangerang	
TNGL	Gungliau Township	
TNGT	Tongatapu	
TNH	Tianshui	
TNJ	Tannan	
TNK	Tinkers Knob	
TNL	Tonnelnyy	
TNN	Tanana	
TNO	Torino	
TNOU	National Taiwan Ocean University, Keelung City	
TNP	Tonopah	
TNR	Turnu Rosu	
TNRJ	Tenryu	
TNS	Taunus Mts	
TNSD	Shindian Village	
TNT	Toronto	
TNTG	T'onet'i	
TNTI	Ternate	
TNU	Tenhult	
TNV	Terranova Bay	
TNZ	Tarata	
TO-	Tishomingo	TO-OK
TO01	Tolfa - RM	
TO02	Allumiere - RM	
TO03	Canale Monterano - RM	
TO04	Tolfa - RM	
TO05	Santa Marinella - RM	
TO06	Tarquinia - VT	
TO07	Tarquinia - VT	
TO08	Barbarano Romano - VT	
TO09	Civitella Cesi - VT	
TOA	Tolsona	
TOA0	Torodi Ar. Site	
TOA1	Torodi Ar. Site	
TOA2	Torodi Ar. Site	
TOA3	Torodi Ar. Site	
TOAZ	Toaza	
TOB	Tobago	
TOB1	Torodi Ar. Site	
TOB2	Torodi Ar. Site	
TOB3	Torodi Ar. Site	
TOB4	Torodi Ar. Site	
TOB5	Torodi Ar. Site	
TOBO	Tobermory, Bruce Peninsula National Park	
TOBT	Tobi-shima	
TOC	Tocklai	
TOC1	Torodi Ar. Site	
TOC2	Torodi Ar. Site	
TOC3	Torodi Ar. Site	
TOC4	Torodi Ar. Site	
TOC5	Torodi Ar. Site	
TOC6	Torodi Ar. Site	
TOC7	Torodi Ar. Site	
TOCH	Tocopilla	
TOD	Tromm	
TOF	Tornio	
TOFB	Tofino	
TOG	Togane	
TOI	Tomamai	
TOK	Tokyo	
TOKA	Tokat	
TOKT	Tokat	
TOL	Toledo	
TOLC	Tolima	
TOLF	Tolfa	

Code	Station Name	Other
TOLI	Toli-Toli	
TOLO	Toledo BPA CREST BB SMO	
TOM	Tomie	
TOMM	Thomson	
TON	Tongariro	
TONGO	Tortengo (Faido)	
TOO	Toolangi	
TO-OK	Tishomingo	
TOP	Topolovo	
TOPM	Tallapoosa	
TOPO	Topo	
TOPPO	Toppo, Italy	
TOR	Tori shima	
TORD	Torodi Ar. Beam	
TORE	Minerbio--Torre	
TORNY	Torny/Romont	
TORO	Toronto--Leslie Street Spit	
TORR	Tordecillas	
TORT	La Tortuga	
TORV	Torococo	
TOS	Tosya	
TOSP	Speyside	
TOT	Tottori	
TOTH	TOTAH	
TOTJ	Tottori	
TOU	Touzarine	
TOUF	Mont Tournerait	
TOV	El Tocuyo	
TOVM	TOLUCA	
TOW	Tower One	
TOY	Toyama	
TOZ	Tahuroa Road	
TP-	Tippipah	
TP2	Tecpan 2	
TPA	Tala Pozo	
TPAW	Teton Pass	
TPB	Topolobampo	
TPC	Twentynine Palms	
TPE	Tepelena	
TPFO	Pinyon Flat Observatory TA	
TPG	Tlapa	
TPH	Tonopah	
TPI	Tanjungpandan	
TPIG	Tehuac#an	
TPJ	Tangkuban Prahu	
TPK	Tolicha Peak	
TPL	Tocopilla	
TPM	Tepoztlan	
TPMO	Tallapoosa	
TPMT	Tepee Creek	
TPN	Tapini	
TPND	Tumut Pond Dam	
TPNV	Topopah Spring	
TP-NV	Tippipah	
TPO	Tropico Hills	
TPOR	Trinity Point	
TPP	Pointe-a-Pierre	
TPR	Prospect	
TPRI	Tanjung Pinang	
TPRS	Tripped Ranch	
TPT	Tiputa	
TPTC	Pt. Cumana	
TPTI		
TPU	Tempiute Mountain	
TPUB	Ta-pu	
TPV	Tonopah	
TPVN	Tapovan	
TPX	Tapachula	
TPZ	Tupiza	
TQ-MS	Tatum Dome	
TQP	Tayabas	TAY
TQTN	Tranquillity	
TQV	Tuyen-Quang	
TR1		
TR2		
TRA	Travnik	
TRAP	Trapper Creek	
TRAV	Traversella	
TRAZ	Trapeza	
TRB	Tarbela	
TRBA	At Turbah	
TRC	Taylor Ranch	
TRCR	Troy Canyon	
TRCW	Trojmez˙›	
TRD	Trivandrum	
TRE	Trente	
TREB	Trebinje	
TREC	Trest	
TREF	Trevaresse	
TRF	Thorofare Mountain	
TRG	Tyrgan	
TRGS	Targassone	
TRH	Trail	
TRHT	Turhal	
TRI	Trieste	
TRIB	Obertriebel	
TRIF	Trifonti	
TRIS	Tristan da Cunha	
TRIV	Trivento	
TRIZ	Trizonia	
TRJ	Tarija	
TRK	Turkey Creek	
TRKR	Terskaya	
TRKS	Terek-Say	
TRKT	Turkoglu	
TRLG	T'rialet'i	
TRM	Turner	
TRMF	Trois Ilets	
TRN	Trinidad (W)	
TRO	Tromso	
TRON	Trondheim	
TROT	Trozza	
TRP	Trujillo	
TRPA	Tarpa	
TRQ	Mont Tremblant	
TRQA	Tornquist	
TRR	Tarraleah	
TRRB	Tres Rios	
TRS	Trieste (CM)	
TRSB	Teresina	
TRSC	Trident Resrch Ctr	
TRSI	Tarutung	
TRSU	Trosnyk	
TRT	Tretes	
TRTB	Turuntaevo	
TRTC	Tortuguero	
TRTE	Tartu	
TRTR	Tortoreto Alta	
TRU	Truk	
TRULL	Truellikon	
TRUS	Trudelj	
TRV	Treviso	
TRVA	Ter de Rio Valdez	
TRVM	Trivandrum	TRD
TRVZ	Turoa	
TRW	Toppenish Ridge	
TRWA	Trelew	
TRWZ	Traveller	
TRXW	Triangle-X Ranch	
TRY	Troy	
TRYN	Tryon Peak	
TRZ	Taradale	
TS-	Trotters	TS-ND
TSA	Tranquitos	
TSA1	Sevenoaks	
TSAL	Tannehill State Park	
TSB	Tasu	
TSC	Tosontsengel	
TSCK	Chigu Township	
TSE	Tsebel'da	
TSEB	Hengchuen, Pingtung county	
TSI	Tuntungan	
TSIM	Tsina	
TSJB	Timber West San Juan	
TSK	Tsukuba	
TSL	Tsaile	
TSM	Tawau	
TSN	Qingdao	
TS-ND	Trotters	
TSO	Tulsa	
TSOZ	Tsokhamarg	
TSP	Tesuque Peak	
TSPT	Pingtung City	
TSR	Tsuruga	
TSRJ	Tsuruga	
TSS	Tsurugi yama	
TST	Taslik	
TSTN	Townsend	
TSU	Tsu	
TSU1	Tsu	
TSUJ	Tsu 2	
TSUM	Tsumeb	
TSV	Twin Springs	
TSY	Tnine Yamani	
TSZ	Takapari Road	
TT-	Trout Lake	TT-MI
TT01	Tatalina	
TTA	Tatalina	
TTC	Datong	
TTE	Trieste	
TTG	Podgorica	
TTH	Taradale Trig	
TTI	Taranto	
TTK	Tokmak	
TTL	Tatalina	
TTM	Turtle Mountains	
TT-MI	Trout Lake	
TTN	Taitung	
TTO1	TONANKAI O.B.S1	
TTO2	TONANKAI O.B.S2	
TTO3	TONANKAI O.B.S3	
TTO4	TONANKAI O.B.S4	
TTO5	TONANKAI O.B.S5	
TTOK	Tanto	
TTP	Tetilla Peak	
TTR	Matura	
TTS	Tsetserleg	
TTSI	Tana Toraja	
TTT	Tottori	
TTU	Tartu	
TTV	Teren Tiev Lake	
TTVN	Tram Tau	
TTW	Tolt Reservoir	
TTX	Tres Cuevas	
TTZ	Chichi shima	
TU-	Tunkhannock	TU-PA
TU1	Tuscania	
TUA	Tuai	
TUB	Tubingen	
TUBL	Tuebingen-Lennartz	
TUC	Tucson	
TUDR		
TUE	Stuetta	
TUG	Tungurcha	
TUH	Tulbagh	
TUI	Tuis	
TUIG	Tuzandepetl	
TUK	Tuktoyaktuk	
TUL	Tulsa	
TUL0	Crosstimbers Borehole	
TUL1	Tulsa	
TULEG	Thule	
TUM	Tumwater	
TUMC	Tumaco	
TUMD	Tumrok D	
TUMR	Tumrok	
TUN	Tunis	
TUNG	Tungurahua	
TUNR	Tungur	
TUO	Tucson Observatory	
TUP	Tupik	
TU-PA	Tunkhannock	
TUQ	Turquoise Mountain, Baker	
TUR	Turbat	
TURI	Tura	
TURN	Turunc	
TURV	Turiamo	
TUS	Tuscarora	
TUT	Tucson--Telemeter	
TUTA	Tutak	
TUTZ	Tuhingamata	
TUU	Turnu Rosu	
TUV	Trujillo	
TUVZ	Tukino	
TUWA	Tungkwan	
TUWZ	Tuamarina	
TUY	Tsuyama	
TUZ	Tuapeka	
TV1	Townsville Hrock	
TV2	Townsville Softrock	
TVAN	Van	
TVBK	TV Kerman	
TVG	Trois Rivieres	FBG
TVGG	Rocky Mountain Net	
TVI	Taveuni	
TVL	Townsville	
TVNC	Taylorsville	
TVO	Taravao	
TVSB	Tavsanli	
TW1H	Toowoomba 1 Hard	
TWA	Mucha	
TWAR	Twist	
TWB	Tillmans-Whites Bay	
TWB1	Santiao Chiao	
TWBB	Timber West Blakeney	
TWC	Suao	
TWCP	Suao Port	
TWD	Chiawan	
TWDS	Dungshr Township	
TWE	Neicheng	
TWE*	Feng-lin	
TWF	Yuli	
TWF1	Yuli	
TWG	Pinlang	
TWGB	Timber West Granite	
TWGZ	Tauwhareparae	
TWH	Lutao	
TWI	Lanshu	
TWJ1	Tawu	
TWK	Hsinying	
TWK1	Hengchun	
TWKB	Timber West Koksilah	
TWL	Twin Lakes	
TWM	Shoushan	
TWM1	Shoushan	
TWMO	Westmoorings	
TWN	Twin Peaks	
TWO	Meishan	
TWO1	Meishan	
TWOA	Tennyson Woods	
TWP	Hsiaoliuchiu	
TWQ	Tungshih	
TWQ1	Liyutan	
TWR	Chutung	
TWS1	Kuangyinshan	
TWSI	Taliwang, Sumbawa	
TWT	Tachien	
TWU	Wulai	
TWVZ	Taurewa	
TWW	Teanaway	
TWX	Kuosheng	
TWY	Chenhua	
TWZ	Neifu	
TX00	Lajitas Ar. Site	
TX02	Lajitas Array Site 2	
TX03	Lajitas Array Site 3	
TX04	Lajitas Array Site 4	
TX05	Lajitas Array Site 5	
TX06	Lajitas Array Site 6	
TX07	Lajitas Array Site 7	
TX08	Lajitas Array Site 8	
TX09	Lajitas Array Site 9	
TX10	Lajitas Array Site 10	
TX31	Lajitas Ar. Site	
TXAR	Lajitas Array Beam Reference Point	
TXB	Texada	
TXNY	Tuxedo	
TXO	Tlaxiaco	
TY-	Tracy	TY-MN
TYC	Yuchr	
TYF	T'ung-yeun Feng	
TYH	Toyohashi	
TYI	Trinity Mountain	
TYK	Toyo'oka	
TYM	Tateyama	
TY-MN	Tracy	
TYN	Taiyuan	
TYNN	Toyone	
TYNO	Tyneside	
TYS	Tyson Valley	
TYV	Tymovskoe	
TZC	Tazercounte	
TZK	Tazeka	
TZL	Tazlina	
TZR	Tezpur	
TZTN	Tazewell	
TZZ	Tabubil	
U04C	Hernandez Reservoir, Idria	
U05C	Westside ANR, Five Points	
U10A	Ash Meadows, Armagosa	
U11A	Corn Creek	
U12A	Valley of Fire, Overton	
U13A	Pakoon Wash	
U14A	Mt Trumbull	
U14B	Concepcio@15n	
U15A	North Rim	
U16A	Tuba City	
U17A	Shonto	
U18A	Rough Rock, Chinle	
U19A	Dine' College, Tsaile	
U20A	Newcomb	
U21A	Nageezi	
U22A	Llaves	
U23A	El Rito	
U24A	Moreno Valley High School, Angel Fire	
U25A	Circle Dot Ranch, Maxwell	
U26A	Atchley Ranch, Grenville	
U27A	Thompson Grove	
U28A	Mallet	
U29A	Oasis Ranch, Spearman	
U30A	WK&E Inc. Balko	
U31A	Nine Bar Ranch, Gage	
U32A	Winter Ranch, Mooreland	
U33A	Lingo Farm, Meno	
U34A	Anderson Ranch, Garber	
U65B	Hualan@16e@15	
U69B	Peumo	
U73B	San Pedro	
UALR	University of Arkansas, Little Rock	
UAV	Universidad de los Andes	
UBBA	Unterbreizbach	
UBO	Uinta Basin Array	
UBPT	Khong Chiam	
UBR	Ueberruh	
UBRB	Upper Baezaeko River	
UBSI	University, Bengkulu	
UBT	Ubonrachathani	
UCC	Uccle	
UCCT	U. Connecticut	
UCH	Uchtor	
UCM	Universidad Complutense Madrid	
UCT	University of Connecticut	
UDBI	Udbina	
UDD	Uddeholm	
UDI	Udine OGS	
UDN	Udine	UDI
UDP	Udhampur	
UDU	Undu Point	
UDYN	Al 'Udayn	
UER	Ust'-Elegest	
UFA	Ufa	
UFRS	Porto Alegre	
UGI	Ugak Island	
UGK	Ugakei	
UGL	Uglegorsk	
UGLR	Uglovaya	
UGM	Wanagama	
UGO	Universidad de Guanajuato	
UGON	Onchagaon	
UGRT	Union Grove	
UJI	Uji	
UJN	ULJIN	
UJZ	Chiapas	
UK-	Ukiah	UK-OR
UKAQ	Ukalunda	
UKI	Ukiah	
UKL	Ugashik Lake	
UK-OR	Ukiah	
UKR	Ust'-Kan	
UKT	Uakit	
UKTR	Uchkent	
UL1	ULLUNGDO	
ULA	Ulamona	
ULBA	Ulba	
ULC	Ulcinj	
ULDT	Uludag	
ULG	Ulaangom	
ULGR	Ulagan, Altay Republic, Russia	
ULHL	Ulahol	
ULM	Lac du Bonnet	
ULN	Ulaanbaatar	
ULO	Ulamona	
UMAU	Umeaa	
UMB	Umberatana	
UME	Umea	
UMI	India	
UMJ	Umaji	
UMJE	Umejima	
UMJS	Umm Lajj	
UMPQ	Umpqua Community College DOGAMI SMO	
UMR	Umm Al-Rimmam	
UMS	Upper Santa Misericordia	
UMT	Umtata	
UNA	Unalaska	
UNAH	Universidad Nacional Autonoma de Honduras	
UNAP	University of Iquique	
UNB	University of New Brunswick	
UNCR	Uncukul	
UNJ	University of Jordan, Amman	
UNJO	University of Johannesburg	
UNL	Unalakleet	
UNM	Universidad Nacional Autonoma de Mexico	
UNR	Ust'-Nera	
UNV	Unalaska Valley	
UNZ	Unzen dake	
UOA	University of Arizona	
UOCO	University of Cincinnati	
UON	La Union	
UOSS	Wadi Hilu	
UPA	Univ. de Panama@15	
UPAO	U. Pittsburgh - Allegheny Obs.	
UPC	Upice	
UPD1	Univ de Panama	
UPD2	Meteti	
UPI	Upington	
UPIG		
UPM	Unac-Piva	
UPNG	Upernavik	
UPP	Uppsala	
UPR	University Campus, Patras University	
UPS	University of Puget Sound	
UQSK	'Uqlat as Suqur	
URA	Urakawa	
URA3	Urakawa 3	
URAJ	Urakawa 2	
URAV	Uravi	
URCR		
URFA	Urfa	
URG	Urgal	
URH	Urahoro	
URKR	Urkarakh	
URLA	Izmir	
URS	Ugurusu	
URSC	Urasca	
URT	Ura-Tyube	
URUA	Uruapan	
URV	Uravakonda	
URVA	University of Richmond	
URZ	Urewera	
USC	University of Southern California	
USHA	Ushuaia	
USHU	Ushuaia	
USI	Ustica	
USIL	Lacq-Usine	
USIN	University of Southern Indiana	
USK	Ussuryisk	
USL	Ugashik Lake	
USMR	Ust'-Maya	
USO	Ust'-Omchug	
USP	Ospenovka	
USRK	Ussuriysk Array	
USTO	Oran	
USZ	Ust'-Nyukzha	
UTF	Valparaiso	
UTLO	University of Toledo	
UTM	University of Tennessee at Martin	
UTMA	University of Tennessee at Martin	

Code	*Station Name*	*Other*
UTMO	Huajuapan	
UTMT	University of Tennessee at Martin	
UTO	University of Toledo	
UTS	Utsunomiya	
UTSU	Utsunomiya	
UTT	Tea Tree Gully	
UTU	Utuhina	
UUDB	Ulan-Yde	
UVI	Uvira	
UVN	Unionville	
UVN1	Unionville	
UVO	Usu Kazan Kan	
UWA	Uwa jima	
UWA2	Uwa jima 2	
UWE	Uwekahuna	
UWFH	University of Washington Friday Harbor	
UWJI	Ujung Watu	
UWL	Utowana Lake	
UWM	University of Wisconsin at Milwaukee	
UWOO	University of Western Ontario	
UYO	Union Valley	
UZD	Uzd	
UZH	Uzhgorod	
UZT	Uzuto	
UZU	Uzumlu	
V03C	Hunter Liggett MR Jolon	
V04C	Ramage Ranch, Paso Robles	
V05C	Boulder Hill, Kettleman City	
V11A	Goodsprings	
V12A	Nelson	
V13A	Grand Canyon West Ranch, Meadview	
V14A	Boquillas Ranch, Navajo N., Peach Springs	
V15A	Kaibab National Forest USFS, William	
V17A	Tonalea, Kykotsmovi	
V18A	Ganado	
V19A	Window Rock	
V20A	Brimhall	
V21A	Milan	
V22A	San Miguel Ranch, Cuba	
V23A	Ortiz Mt. (NFS), Santa Fe National Forest	
V24A	Rampart Ranch, Las Vegas	
V25A	Rancho No Tengo, Wagon Mound	
V26A	Tequesquite Ranch, Mosquero	
V27A	Dan Oppiter Farms, Dalhart	
V28A	Channing	
V29A	Stinnett	
V30A	Spur Ranch, Miami	
V31A	Spring Creek Lake, Blk. Kettle Nat Grslnd	
V32A	Arapaho	
V33A	Lossen Ranch, Watonga	
V34A	Guthrie	
V35A	Meyer Ranch, Chandler	
VAA	Cerro Valdivia	RTCV
VABQ	Val Des Bois	
VAC	Vackov	
VACH	Vallenar	
VACK	Vackovec	
VACR	Volcan Arenal	
VAD	Vardenisi	
VADZ	Vardenis	
VAE	Valguarnera	
VAF	Ylistaro	
VAG	Aggia Anna	
VAGA	Valle Agricola	
VAH	Vaihoa	
VAI	Varese	
VAJ	Vajont	
VAL	Valentia	
VALF	Valcebollere	
VALM	Valbona	
VALQ	Val d'Or	
VALT	Mount Saint Helens Crater	
VAM	Vamos	
VAN	Vannovskaya	
VAN2	Vandellos 2	
VANB	Van	
VANNI	Vissoie, Val d'Anniviers	
VANT	Van	
VANU	Vaenersborg	
VANZ	Vanadzor	
VAO	Valinhos	
VAO2	Atibaia	
VAO3	Socorro	
VAR	Varanasi	
VARB	Varian Well	
VARE	Varese	
VARN	Col Varnada, Mel (BL)	
VARP	Vesuvio Array Permanente	
VARR		
VAS	Vassijaure	
VASS	Vassouras	
VAVA	Vava'u	
VAY	Valandovo	
VBA	Sierra Ventana	
VBEM	Beaver Butte	
VBG	Venebrugge	
VBG1	Venebrugge (Bruchterveld)	
VBG2	Venebrugge (Bruchterveld)	
VBG3	Venebrugge (Bruchterveld)	
VBG4	Venebrugge (Bruchterveld)	
VBKN	Vesuvio Bunker Nord	
VBMS	Vicksburg	
VBN	Bulusan	
VBPM	Bald Peter	
VBU	Buco	
VBV	Virginia Beach	
VBY	Vinica-Bojanci	
VC1	Cotopaxi 1	
VCA	Vinchina	
VCAB	Vineyard Canyon	
VCB	Cabagna-an	
VCEL	Villa Celiera	
VCHI	Volcan Chico	
VCLM	Crater Lake	
VCM	Veracruz	
VCMM	Chase Mountain	
VCMT	Victor	
VCN	Canlaon	
VCP	Volcan Cerro Prieto	
VCR	Vista de Mar	
VCRE	Vesuvio Cratere Est	
VCS	Vernal Corners	
VCT	Victoria	
VCVM	Valle de Chalco	
VDA	Vodivohitra	
VDB	Vedder Mountain	
VDBQ	Val-des-Bois,QC	
VDCF	Villefranche	
VDF	Valdeflores	
VDL	Val di Lei	
VDM	Villiers-Adam	
VDQ	Val d'Or	
VDW	Vunidawa	
VEA	Veano	
VEB	Veberod	
VEH	Verkhnyaya Baza	
VELZ	Velez Rubio	
VEN	Venice	
VENT	Ventotene	
VER	Veracruz	
VERF	Verneugheol	
VERG	Veris	
VES	Vestal, Richgrove	
VEW	Oceanview	
VEX	Veracruz	
VEZ	Vezirkopru	
VFBM	Frederick Butte	
VFI	Filaki	
VFP	Flag Point	
VG1	Voghera	
VG2	Vista Grande	
VGB	Gordon Butte	
VGBM	Gordon Butte	VGB
VGL	Glafira	
VGM	Villa Grajales	
VGMM	Grass Mountain	
VGP	Chiapas	
VGPM	Green Peter	
VGTM	Goat Mountain	
VGVI	Virgin Gorda	
VGZ	Gonzales	
VHBM	Hamelton Butte	
VHEM	Hood Meadows East	
VHH	Hibok Hibok	
VHHM	High Heaven	
VHM	Vista Hermosa	
VHO	Vista Hermosa	
VHOM	Mount Hebo	
VHTN	Van Hill	
VHYM	Horsefly Mountain	
VIB	Van Inlet	
VIC	Victoria	
VICH	Los Vilos	
VIE	Vienna	
VIEF	Viey	
VIEL	Selb-Vielitz	
VIF	Vila Franca	
VIGE	Viggiano	
VIGV	El Vigia	
VIH	Vielha	
VIK	Vik	
VIKU	Vikbolandet	
VIL	Villa Mercy	
VIL1	Vilia, Western Attica	
VIL2	Platees	
VILA	Vilada	
VILF	Villemus	
VILL	Villia	
VIM	Vimmerby	
VIMO	Victor Mine	
VIN	Vineyard	
VINC	Vinca	
VINO	Villanova	
VIP	Virginia Peak	
VIPM	Ingram Point	
VIR	Virginia	
VIRV	Villa del Rosario	
VIS	Vishakhapatnam	
VISG	Visignano	
VISK	Vishakhapatnam	VIS
VISS	Vis@19njе	
VIT	Vineyard--Telemeter	
VITF	Vittel	
VITZ	Vitzeroda	
VIV	Vinh	
VIVF	Saint-Julien-le-Roux	
VIZ	Vizianagram	
VJD	Vijayawada	
VJF	Virojoki	
VJYM	Jersey	
VKA	Vienna	
VKB	Valkenburg	
VL6*	Forgia Vecchia	
VLA	Vladivostok	
VLC	Villacollemandina	
VLCH	Valdivia	
VLD	Valdez	
VLDQ	Val d'Or	
VLG	Velasquez	
VLH	Lignon Hill	
VLI	Veliai	
VLK	Valmikinagar	
VLKR	Vladikavkaz	
VLL	Laurance Lake	
VLMM	Larch Mountain	
VLN	Vanua Lava	
VLO	Vlora	
VLP	Valparaiso	IHA
VLR	Valea Ierii	
VLS	Valsamata	
VLU	Vernal	
VLV	Valdivia	
VLW	Vlagtwedde	
VLW1	Vlagtwedde	
VLW2	Vlagtwedde	
VLW3	Vlagtwedde	
VLW4	Vlagtwedde	
VLX	Vlachokerasia	
VLY	Voula,Athens	
VLZ	Valdez	
VMA	Markates	
VMC	Ville Marie	
VMG	Vicchio	
VMHM	Mount Hagen	
VMNM	Maupin	
VMO	Villa Marinero	
VMR	Mayon Resthouse	
VMS	Misericordia	
VMT	TAPS Tl Valdez	
VMUR	Van-Muradiye	
VN-	Vernal	VN-UT
VN6*	Vulcanello	
VNA	Neumayer	
VNA1	Neumayer--Station	
VNA2	Neumayer--Watzmann	
VNA3	Neumayer Olymp	
VND	Vanda	
VNDA	Vanda	
VNDS	Vrh nad Dolskim	
VNE	Neochorion	
VNFG	Veniaminof 2	
VNG	Vunargo	
VNHG	Veniaminof 1	
VNKR	Veniaminof 5	
VNL	Vernal	
VNM	Villa de Garcia	
VNNF	Veniaminof 3	
VNNZ	Vanand	
VNSG	Veniaminof 6	
VNSS	Veniaminof 8	
VNSW	Veniaminof 7	
VNT	Van	
VN-UT	Vernal	
VNV	Volcan Villarrica	
VNWF	Veniaminof 8	
VNY	Varmlds Nysat	
VO-	Vinton	VO-IO
VOBA	Vobarno	
VOGL	Vogel Lake	
VOI	Vohitsoka	
VO-IO	Vinton	
VOIR		
VOJS	Vojsko	
VOL	Volimes	
VOLV	El Volcan	
VOR	Voronezh	
VORD	Divnogorie	
VORR	Voronezh	
VOS	Vostochnaya	VOSK
VOS4	Vostochnaya array site	
VOS5	Vostochnaya array site	
VOS6	Vostochnaya array site	
VOS7	Vostochnaya array site	
VOS8	Vostochnaya array site	
VOS9	Vostochnaya array site	
VOSK	Vostochnaya	
VOU	Vouglans	
VOY	Vojsko	
VPA	Pavliani	
VPD	Villa Park Dam	
VPEM	Volcano Peak East	
VPIM	Pine Mountain	
VPK	Verdi Peak	
VPL	Vulcano Piano	
VPMM	Saint Patrick Mountain	
VPP	Pira-Piraso	
VPS	Volcan Poas	
VPS2	Volcan Poas 2	
VQS	Vieques	
VRAC	Vranov	
VRBM	Round Butte Dam	
VRC	Rainbow Creek	
VRD	Vardenis	
VRDI	Verde Repeater	
VRF	Varrio	
VRH	Novokhopyorsk	
VRHR	Novokhopersk	
VRI	Vrincioaia	
VRN	Varnville	
VRNZ	Vardanashen	
VRS	Kato Vasiliki	
VRSR	Storozhevoye	
VRT	Varto	
VRTB	Varto-Mus	
VRZ	Vera Road	
VRZG	Vardzia	
VRZT	Veris	
VSBM	Spring Butte	
VSC	Varnville	
VSCM	Scott Mountain	
VSG	Visale	
VSI	Simia	
VSK	Skopelos	
VSL	Villasalto	
VSM	San Miguel	
VSMM	Salem	
VSP	Spence Mountain	
VSR	Storozhevoye	
VSS	Volcan San Salvador	
VST	Saint Thomas	
VSTC	Vista	
VSTU	Vaestervik	
VSU	Vasula	
VT-	Venator	VT-OR
VT1	Waterbury	
VT2	Vantage 2	
VTB1	Vitulano	
VTCM	Trout Creek Butte	
VTDM	The Dalles	
VTG	Vantage	
VTH	Erithrai	
VTHM	Trough	
VTIR	Vesuvio Tirone	
VTMR	Vitim	
VTN	Vitineika	
VT-OR	Venator	
VTS	Vitosha	
VTU	Volcan Turrialba	
VTV	Victorville	
VTVB	Vinh Tuy	
VTVM	Tizayuca	
VTY	Vatovaky	
VUL	Vulcan	
VULT	Monte Vulture - Melfi	
VUN	Vunikawai	
VVD	Valverde	
VVDG	Vesuvio Valle Del Gigante	
VVHS	Vashon High School SMO	
VVI	Villa di Villa	
VVK	Vomvokou	
VVLD	Villa Vallelonga	
VVO	Vivian	
VVOS	Brankovina	
VWBM	Wanoga Butte	
VWCC	Virginia Western Community College	
VWMM	Walker Mountain	
VWV	Potts Mountain	
VXJU	Vaexsjoe	
VYB	Vyborg	
VYHS	Vyhne	
VZS	Valdez South	
VZW	Valdez West	
W02B	Bay Bridge West Pier 2	
W05B	Bay Bridge West Pier 5	
W12A	Cal Nev Ari	
W13A	Hualapai Mountain Park, Kingman	
W14A	Seligman	
W15A	Williams	
W16A	Flagstaff	
W17A	Winslow	
W18A	Petrified Forest	
W19A	Sanders	
W20A	Ramah	
W21A	San Fidel	
W22A	Albuquerque	
W23A	Werner Place, Edgewood	
W24A	Lazy 6 Ranch, Villanueva	
W25A	X Bar L Ranch, Newkirk	
W26A	Owens Ranch, Tucumcari	
W27A	Bowe Ranch, Endee	
W28A	Vega	
W29A	Amraillo	
W30A	Crocket Farms Inc., Mclean	
W31A	Holland Ranch, Erick	
W32A	Sentinel	
W33A	Caddo, Fort Cobb	
W34A	Bridge Creek, Tuttle	
WA-	Watson	WA-OK
WA1	Wongan Hills	
WA2	Wagin	
WA3	Talbot Brook	
WA4	Burakin	
WAA	Waris	
WAB	Wabag	
WABN	Wabush	
WACK	Wrangell Chichokna Glacier	
WAD	Wadsworth	
WADM	Wardell	
WAGN	Wager Bay	
WAH	Wahluke	
WAH2	Wahluke Slope	
WAHZ	Wakarara	
WAI	Wairiri	
WAJ	Wa jima	
WAJH	Al Wajh	
WAK	Wakkanai	
WAKE	Wake Island	
WAKJ	Wakkanai	
WAKR	Walker	
WAL	Wallace	
WAL1	Walls	
WALA	Waterton Lakes	
WALK	Watson Lake	
WALU	Walls	
WAM	Wambrook	
WAMI	Wamena	
WAN	Wanliss Street	
WANC	Wrangell North Crater	
WA-OK	Watson	
WAPA	Wapiti River	
WAR	Warsaw	
WARB	Warburton	
WARN	West Arenal	
WAS	Washington	
WASL	Wasel	
WASM	Alta Sierra Campground	
WASW	Wrangell Southwest	
WAT	Watheroo	
WATA	Walderalm	
WATZ	Wairara	
WAU	Wau	
WAX	Waxell Ridge	
WAY	Waynesburg	
WAZ	Wanganui	
WAZA	Wrangell Mount Zanetti	
WB0	Warramunga Array Site B0	
WB1	Warramunga Ar.	
WB2	Warramunga Array Site B2	
WB3	Warramunga Array Site B3	
WB4	Warramunga Array Site B4	
WB5	Warramunga Array Site B5	
WB6	Warramunga Array Site B6	
WB7	Warramunga Array Site B7	
WB8	Warramunga Array Site B8	
WB9	Warramunga Array Site B9	
WBA	Furth	
WBAQ	Buaraba 3	
WBB	Darmstadt	
WBC	Weber Canyon	
WBCY	West Bay, Grand Cayman	
WBD	Lorch/Rhein	
WBE	West Bromwich	
WBG	Bieber	
WBH	Biblis	
WBHS	Wadi 'Ibn Hashbal	
WBI	Whiskey Butte	
WBK	Wadi Bani Khalid	
WBL	White Bluff	
WBMM	Breckenridge Mountain	
WBN	Warburton	
WBNH	Wolfeboro	
WBO	Williamsburg	
WBR	Bronaber	
WBS	Wahnbachtalsperre	
WBSI	Waikabubak, Sumba	
WBSM	Bird Springs	
WBW	Wilson Butte	
WC1	Warramunga Array Site	

	C1	
WC2	Warramunga Array Site C2	
WC3	Warramunga Array Site C3	
WC4	Warramunga Array Site C4	
WCB	Warramunga Array	
WCB1	Church Bay	
WCBC	Windy Craggy	
WCC	Westchester Community College	
WCCN	Westchester CC	
WCFM	Cactus Flat W	CFWM
WCGM	China Gardens	CGSM
WCH	Changhua City	
WCHM	Chimney Peak	
WCI	Wyandotte Cave	
WCIL	Waubonsee CC	
WCK	Wilson Creek	
WCM	Warland Creek	
WCN	Washoe City	
WCNY	West Carthage	
WCO	Washington City	
WCOM	Cook Peak	
WCPM	Cactus Peak W	CPTM
WCSM	Coso Springs S	CSSM
WCT	Wildcat Mountain	
WCU	Willow Creek	
WCXM	China Lake Receiver Site	
WCZ	Waipu Caves	
WD-	Windom	WD-MN
WDB	Woudbloem	
WDB1	Woudbloem 1	
WDB2	Woudbloem 2	
WDB3	Woudbloem 3	
WDB4	Woudbloem 4	
WDBM	Warragamba Dam	
WDC	Whiskeytown Dam	
WDD	Wield Dalam	
WDG	Wallace Dam	
WDGT	Dungji	
WDIN	Wadesville	
WDIS	Woodlark Island	
WDL	Douliou City	
WDLM	Western Deep Levels Mine	
WD-MN	Windom	
WDO	Saint George	
WDS	Woodside	
WDT	Danda	
WDW	Wainui Dam	
WDY	Woody	
WEGH	Weija	
WEIL	Weil am Rhein	
WEIN	Weingarten	
WEK	Wewak	
WEL	Wellington	
WEMQ	Wemindji, Quebec	
WEN	Wenatchee	WNW
WENL	Wente Vineyards, Livermore	
WEO	Welcome	
WER	Werombi	
WERC	Wheeler Ridge	
WERD	Werda	
WERN	Wernitzgruen	
WES	Weston	
WESC	Westside School	
WESE	West Dahl East	
WESN	West Dahl North	
WESS	West Dahl South	
WEST	Westmoreland	
WET	Wettzell	
WEW	Wewak	
WF-	Wykoff	WF-MN
WFAR	Faris Peak	
WFB	Fairbourne	
WFF	Whiting Field	
WFM	Westford	
WF-MN	Wykoff	
WFSB	Wu-fen Shan	
WG2	Wallula Gap	
WG3	Wallula Gap	
WGAR	Walnut Grove	
WGB	Blue River	
WGBM	Warragamba	
WGK	Gukeng	
WGL	Warangal	
WGLY	Wegel	
WGMA	Westboro	
WGW	Wallila Gap	
WGZ	Waimangu	
WH-	Whitehorse	WH-YK
WH2	Whipple Mountains 2	
WH2*	Whitehorse	WH2YK
WH2YK	Whitehorse	
WHA	Wahaula	
WHAB	Al Wahab	
WHAR	Wooly Hollow	
WHB	Whistler	
WHC	Whitehorse	
WHF	Hehuan Shan	
WHFM	Hanning Flat	
WHFN	White Fish Lake	
WHFO	Wadi Hawf	
WHH	Whakatau	
WHHZ	Waihua	
WHI	Whitney	
WHM	Wild Horse Parks	
WHN	Wuhan	
WHNE	Wahoo	
WHR		
WHSM	Haiwe Spring S	HWSM
WHTX	Lake Whitney	
WHTZ	Whakaora	
WHU	Wild Horse	
WHVM	Havilah	
WHVZ	Whangaehu Hut	
WHW	Wright's Hill	
WHY	Whitehorse	
WHYH	Whyalla	
WH-YK	Whitehorse	
WHZ	Wether Hill Road	
WI-	Winnemucca	WI-NV
WIAZ	Waiheke Island	
WICI	Willow Creek	
WIFE	Three Sisters--Wife	
WIGH	Winneba	
WIH	Wilkes Camp	
WIHG	Wadia Institute--Dehra Dun	
WIL	Wilkes	
WILA	Wila	
WILL	Willung South	
WILN	Americas 2	
WIM	Isle of Man	
WIMIS	Wimmis	
WIMM	Wimmelburg	
WIN	Windhoek	
WI-NV	Winnemucca	
WIS	Wister	
WISC	Wilburton Instructional Services Center	
WISH	Wishkah	
WIT	Witteveen	
WITU	Witu Islands	
WIW	Wooded Island	
WIZ	White Island	
WJHS		
WJPM	Johns Peak	
WK-	Williams Lake	WK-BC
WKA	Willalooka	
WKB	White Rock	
WK-BC	Williams Lake	
WKC	Walker Ridge	
WKC2	Walker Ridge	
WKE	Wake	
WKH	Waikii	
WKJ	Wajiki	
WKM	Welkom	
WKME	Wakayama	
WKR	Work Ranch	
WKTM	Kern-Tulare	
WKU	Wakaura	
WKY	Wakayama	
WKYJ	Wakayama 2	
WKZ	Wanaka	
WL-	Watson Lake	WL-YK
WLA	Wittsburg Lake	
WLAR	White Oak Lake	
WLC	Llyn Conwy	
WLCT	Hsiaoliuchiu	
WLD	Wild Horse Canyon	
WLDR	Wildhorse	
WLF	Walferdange	
WLF1	Llynfaes	
WLG	Waldron Ledge	
WLHM	Little Horse	
WLI	Wellesley Island	
WLJ	Wildlife	
WLK	Wiest Lake	
WLL	Williamstown	
WLM	Willow Mountain	
WLO	Wilson	
WLPM	Leibel Peak	
WLS	Welschbruch	
WLVO	Wesleyville	
WL-YK	Watson Lake	
WLZ	Whitehall	
WM-	Williams	WM-AZ
WMA	West Mesa	
WM-AZ	Williams	
WMBQ	Mount Brisbane	
WMD		
WME	Myndd Eilian	
WMGZ	Waiomatatini Station	
WMH	Warmenhuizen	
WMH1	Warmenhuizen	
WMH2	Warmenhuizen	
WMH3	Warmenhuizen	
WMH4	Warmenhuizen	
WML	Westmorland	
WMN	Winnemucca	
WMNY	West Monroe	
WMO	Wichita Mountains Array	
WMOK	Wichita Mountains	
WMOR	Whale Back Mountain	
WMQ	Urumqi	
WMR	Waimanalo Ridge	
WMS	West Middle School	
WMSJ	Wadi Mousa	
WMTN	White Oak Mountain	
WMU	West Mountain	
WMUT	West Mountain	
WMV	Walker Mountain	
WMY	Wakamiya	
WMZ	Williams	
WN-	Winner	WN-SD
WNC	Wilmington	
WND	Windham	
WNDE	Wendo Genet	
WNH	Whiteface	
WNMM	Nine Mile Canyon	NMC
WNN	Wann	
WNR	Windsor	
WNS	Wenas	
WN-SD	Winner	
WNT	Mingjian	
WNVZ	Wahianoa	
WNW	Wenatchee	
WNY	Wilmington	
WNZ	Wairakei	
WO-	Winslow	WO-AZ
WO-AZ	Winslow	
WOB	Weather Observatory	
WOFM	Oak Flat	
WOH	Wood Valley	
WOJI	Wonogiri, Jawa	
WOL	Wolverton	
WON	Wolverton North	
WOO	Woodstock	
WOOD	Lake Woodford	
WOOL	Woolibar	
WOOM	Toowoomba	
WOR	Worcester	
WORM	Onyx Ranch	
WOSB	Woss	
WPA	Woody Point	
WPB	Watts Point	
WPH	West Pit	
WPHZ	Waipukurau	
WPI	Wilson Peak	
WPL	Puli Township	
WPM	White Pine	
WPM1	Penmaenmawr	
WPMQ	Pine Mountain	
WPNY	West Park	
WPO	West Portland	
WPOG	Pogromni	
WPR	Ward Pound Ridge	
WPRZ	Whakapapataringa	
WPS	Cemaes, Anglesey	
WP-TX	Wills Point	
WPVZ	Whakapapa	
WPW	White Pass	
WPZ	Waipapa Point	
WQ-IL	Watseka	
WR-	Walnut Ridge	WR-AR
WR0	Warramunga Array Site R0	
WR1	Warramunga Array Site R1	
WR2	Warramunga Array Site R2	
WR3	Warramunga Array Site R3	
WR4	Warramunga Array Site R4	
WR5	Warramunga Array Site R5	
WR6	Warramunga Array Site R6	
WR7	Warramunga Array Site R7	
WR8	Warramunga Array Site R8	
WR9	Warramunga Array Site R9	
WRA	Warramunga Array Beam Reference Point	
WRAB	Tennant Creek	
WRAI	Warramunga Infrasound Array Beam Reference Point	
WRAK	Wrangell Island	
WR-AR	Walnut Ridge	
WRB	Warramunga Array	
WRC	Williams Ranch	
WRCM	Renegade Can. W	RCWM
WRCQ	Reedy Creek 5	
WRD	Warden	
WRDH	Warideh	
WRG	White River Glacier	
WRH	Wood River Hill	
WRKA	Warakurna	
WRM	Warmifontaine	
WRN	Worthington Mountains	
WRNM	Woronora	
WRPS	Penn State University	
WRS	Warsak Dam	
WRVM	Rose V. Central	RVCM
WRW	Wenatchee Ridge	
WS-	Waterways	WS-AT
WSA	Woomera	
WSAR	Wadi Sarin	
WS-AT	Waterways	
WSC	Washington Science Center	
WSCM	Short Canyon	
WSCO	Wright State University--Celina	
WSDO	Wright State University--Dayton	
WSF	Szhu	
WSH	Washington Hill	
WSHM	Spangler Hills	
WSI	Waingapu	
WSIL	West Salem	
WSLR	Whistler	
WSN	Warm Springs	
WSNC	Winespring Bald	
WSP	Warm Springs	
WSPT	Westport, CT	
WSR	Warm Springs Repeater	
WSS	West Ashley	
WSSR	Wesser Bold	
WST	Stwlan	
WSYH	La Gonave Hosp	
WT-	Wartburg	WT-TN
WTAZ	Waiatarua	
WTC	Waterton	
WTCR	Whites Canyon	
WTCT	Ta-ch'eng	
WTGQ	Toogoolawah	
WTP	Ta-pu	
WTR	Waterville	
WTRB	White River	
WTRQ	Thallon Road	
WTS	Winterswijk	
WTSB	Winterswijk	
WTTA	Wattenberg	
WT-TN	Wartburg	
WTU	Western Traverse Mountains	
WTUG	Tugumak	
WTV	Waterville	
WTVE	Waterville	
WTVZ	West Tongariro	
WTW	West Thumb	
WTX	Workman Tunnel	
WTZ	Whakatane	
WUAZ	Wupatki	
WUC	Wuhan	WHN
WUET	Wuestenhain	
WUH	Wuhan	
WUS	Wushi	
WUW	Wuwei	
WUWY	Wally Ulrich	
WVIL	Wabash College	
WVL	Waterville	
WVLY	West Valley	
WVNY	West Valley, New York	
WVOR	Wild Horse Valley	
WVPM	Volcano Peak E	VPEM
WVR	Vyrnwy	
WVT	Waverly	
WVUT	Wellsville	
WVZ	Waitaha Valley	
WW-	Wah Wah Mts	WW-UT
WWHQ	Wivenhoe Hill 3	
WWHS	Walla Walla High School ANSS SMO	
WWKK	Wewakk	
WWPM	Walker Pass	
WWR	Whitewater	
WW-UT	Wah Wah Mountains	
WWW	Wewak	
WY-	Wynne	WY-AR
WY0	Wyoming Array	WYO
WYA	Wyangala	
WY-AR	Wynne	
WYBT	Wynnburg	
WYH	Wyhlen	
WYL	Yuanlin Township	
WYN1	Wijnaldum	
WYN2	Wijnaldum	
WYN3	Wijnaldum	
WYN4	Wijnaldum	
WYO	Wyoming Array	
WZ-NV	Warm Springs	
X102	Greenbrier Site X102	
X13A	Yucca	
X14A	Yava	
X15A	Humboldt	
X16A	Lo Mia Camp, Pine	
X17A	Forest Lakes	
X18A	Snowflake	
X19A	St. Johns	
X201	Greenbrier Site X201	
X20A	Quemado	
X21A	Alamocita Creek, Datil	
X22A	Bernardo	
X23A	Hourglass Bar Ranch, Mountainair	
X24A	Lazy VL Ranch, Encino	
X25A	Clemmons Ranch, Yeso	
X26A	CR and CF Franklin Farms, Melrose	
X27A	F and S Farms, Texico	
X28A	Dimmitt	
X29A	Tulia	
X301	Greenbrier Site X301	
X30A	Coker Ranch, Turkey	
X31A	McDonald Ranch, Hollis	
X32A	Elmer	
X33A	Lawton	
X34A	Smith Ranch, Marlow	
XAL	Allendale	
XAN	Xi'an	
XAVN	Gruta Xavier	
XDE	Dent Fell	
XIN	Xingo	
XIO	Khios Island	
XLV	Seldovia	
XMAS	Kiritimati	
XMI	Christmas Island	
XMIS	Christmas Island	
XMS	Christmas Canyon	
XNQ	Khinaliq	
XNZR	Khunzakh	
XOR	Xorichti	
XRY	Khrisi	
XSO	Sourhope Farm	
XTAL		
XTNZ	Xhotanan	
Y12C	Blythe	
Y13A	Salome	
Y14A	Wickenburg	
Y15A	Casa Rosa Ranch, Morristown	
Y16A	Circle Bar Ranch, Sunflower	
Y17A	Roosevelt	
Y18A	Canyon Day Junior High, Whiteriver	
Y19A	Nutrioso	
Y20A	Horse Springs, Datil	
Y21A	Point of Rocks Canyon, Magdalena	
Y22A	Socorro	
Y22C	IRIS PASSCAL Instrument Center, Socorro	
Y22D	IRIS PASSCAL Instrument Center, Socorro	
Y23A	Lovelace Mesa, Carrizozo	
Y24A	Capitan	
Y25A	Mesa, Roswell	
Y26A	Elida	
Y27A	Causey	
Y28A	McKinney Farm, Littlefield	
Y29A	Porterfield Farm, Petersburg	
Y30A	Stafford Cattle Company, Roaring Springs	
Y31A	Rekieta Farm, Paducah	
Y32A	R-V Farms, Vernon	
Y33A	Hilltop Ranch, Iowa Park	
Y34A	Reagan Ranch, Oscar	
YA-	Yakima	YA-WA
YA2	Yakima	
YAG	Yagi	
YAH	Yahtse	
YAIG	Yautepec	
YAK	Yakutsk	
YAKW	Yakima	
YAL	Yalta	
YALR	Yailyu, Altay Republic, Russia	
YAM	Yamagata	
YAMJ	Yamagata	
YAMN	Yamanlar	
YAN	Yangoru	
YANA	Yana	
YANT	Yantaza	
YAQ	Yaqui Meadows	
YAR	Yar	
YARA	Arangoiti	
YAS	Yuasa	
YASH	Mount Yoash	
YASP	Aspurt	
YASR	Yasnyy	
YAT	Yaldymych	
YA-WA	Yakima	
YAY	Yayoi	
YAYL	Yayladag	
YAYX	Yaylak	
YBER	Berdun	
YBH	Yreka Blue Horn Mine, Yreka	
YBIB	Yerba Buena Island	
YBKN	Baker Lake, Hudson Bay	
YBMT	Yellow Bay	
YBT	Youssef Ben Tachfine	
YCA	YACYRETA	
YCB	Yellow Creek Bluff	
YCM	YMCA Camp	
YE6	Yeelanna, site6	
YECH	El Yeso	
YEG	Yeguas Mountain	

Code	*Station Name*	*Other*
YEL	Yellow Rock	
YEL1	Yell	
YELT	Yellice	
YELU	Yell	
YER	Yerkesik	
YERM	Yerranderie	
YESY	Yesilyurt	
YF2NV	Yucca Flat NTS	
YF3NV	Yucca Flat NTS	
YF4NV	Yucca Flat NTS	
YF-NV	Yucca Flat NTS	
YFT	Old Faithful	
YGI	Yagi	
YHB	Horse Butte	
YHH	Holmes Hill	
YHJ	Yallahs	
YHK	Yuen Ng Fan	
YHKE	Yahiko	
YHNB	Yeheng	
YIN	Yingkou	
YJA	Yavi	
YJC	Joseph's Coat	
YJD	YOUNGJONGDO	
YKA	Yellowknife Array Beam Reference Point	
YKB0	Yellowknife Array Site B0	
YKB1	Yellowknife Array Site B1	
YKB2	Yellowknife Array Site B2	
YKB3	Yellowknife Array Site B3	
YKB4	Yellowknife Array Site B4	
YKB5	Yellowknife Array Sites B5 and R8	
YKB6	Yellowknife Array Site B6	
YKB7	Yellowknife Array Site B7	
YKB8	Yellowknife Array Site B8	
YKB9	Yellowknife Array Site B9	
YKC	Yellowknife	
YKE	Yakedake	
YKGM	Yakataga	
YKI	Yokaichiba	
YKLR	Yuktali	
YKM	Yaak	
YKR0	Yellowknife Array	
YKR1	Yellowknife Array Site R1	
YKR2	Yellowknife Array Site R2	
YKR3	Yellowknife Array Site R3	
YKR4	Yellowknife Array Site R4	
YKR5	Yellowknife Array Site R5	
YKR6	Yellowknife Array Site R6	
YKR7	Yellowknife Array Site R7	
YKR8	Yellowknife Ar.	YKB5
YKR9	Yellowknife Array Site R9	
YKS	Yaku shima	
YKT	Yakutat	
YKU	Yakutat	
YKU2	Yakutat	
YKW1	Yellowknife Array Site W1	
YKW2	Yellowknife Array Site W2	
YKW3	Yellowknife Array Site W3	
YKW4	Yellowknife Array site W4	
YLA	Ilan	ILA
YLE	Yale	
YLL	Llanberis	
YLT	Little Thumb Creek	
YLV	Yalova	
YLYR	Ulyunkhan	
YMBN	Yamba Lake	
YMC	Maple Creek	
YMD	Yuma Desert	
YML	Mary Lake	
YM-NV	Yucca Mountain	
YMP	Mirror Lake Plateau	
YMR	Madison River	
YMS	Mount Sheridan	
YMT1	Yucca Mountain	
YMT2	Yucca Mountain	
YMT3	Yucca Mountain	
YMT4	Yucca Mountain	
YMT5	Yucca Mountain	
YMT6	Yucca Mountain	
YMUS	Peˆ–a Musera	
YMV	Mammoth Vault	
YMZ	Yamizo	
YMZU	Yamizo	
YNAR	Nardues-Aldunate	
YNB	Natural Bridge	
YNBS	Yanbu' al Bahr	
YNC	Yinchuan	
YNCB	YEONCHEON	
YND	Yaounde	
YNEN	Yamba Lake Northeast	
YNG	Young	
YNGY	Yangiyul	
YNR	Norris Junction	
YNT	Yunotani	
YOA	Uoyan	
YOBS		
YOGI	Yogyakarta	
YOJ	Yonaguni jima	
YOK	Yokohama	
YOKT	Yokooka	
YOMI	Yo Moklole	
YON	Yonago	
YONJ	Yonago 2	
YOO	Oaxaca	
YOS	Yoshiwara	
YOSD	Yoshimatsu	
YOSQ	Ashton Mining of Canada property	
YOU	Young	
YOUB	Youbou, Lake Cowichan	
YOZ	Yozgat	
YPBB	Black Butte	
YPBE	Bechler	
YPBR	Bridge Bay	
YPCJ	Canyon Junction	
YPDC	Denny Creek	
YPE	Yupe	
YPEE	East Entrance	
YPGV	Grant Village	
YPHR	Hebgen Ridge	
YPHS	Hot Springs Basin	
YPLA	Lake Butte	
YPLB	Lake Butte	
YPLK	Lake Junction	
YPM	Purple Mountain	
YPMF	Mesa Falls	
YPML	Mary Lake	
YPOF	Old Faithful	
YPP	Pitchstone Plateau	
YPPC	Pelican Cone	
YPRL	Red Lodge	
YPSB	Soda Butte	
YPSE	South Entrance	
YPT	Yellepit	
YPTB	Twin Buttes	
YPTS	Trude Siding	
YPWB	West Boundary	
YR-	Yreka	YR-CL
YRC	Rhoscolyn	
YR-CL	Yreka	
YRE	Yr Eifl	
YRH	Rhiw	
YRTN	Rankin Inlet	
YSA	Yasawairara	
YSIG	Sigues	
YSK	Yokosuka	
YSM	Yoshimatsu	
YSNY	Yorkshire	
YSOS	Sos del Rey Catolico	
YSS	Yuzh-Sakhalinsk	
YST	Yumesaki	
YSUO	Youngstown State University	
YTC	Trail Creek	
YTIR	Yattir	
YTP	The Promontory	
YTV	Yen Tu	
YUH	Yuha Desert	
YUK	Yuzh-Kuril'sk	
YUK1	Sand Pete Hill	
YUK2	White River	
YUK3	Moose Creek	
YUK4	Talbot Arm	
YUK5	Granite Creek	
YUK6	Outpost Mountain	
YUK7	Dusty Glacier	
YULB	Yu-li	
YUM	Yumen	
YUMT	Yumurtalik	
YUND	Undues	
YUO	Iwo jima	
YUP	Yupiltepeque	
YURE	YUREGIR	
YUS	Yu-Shan	
YWY	West Yellowstone	
YYI	Yaongyimsen	
YYYY	Yonkie	
YZT	Yamasaki	
YZU	Yuzawa	
Z13A	Yuma Proving Gounds (US Army), Dateland	
Z14A	Wintersburg	
Z15A	Gila River Indian Community, Laveen	
Z16A	Peralta Trail, Apache Junction	
Z17A	San Carlos High School, San Carlos	
Z18A	Geronimo	
Z19A	T-Link Ranch, Clifton	
Z20A	Nine Sixteen Ranch, Cliff	
Z21A	St. Cloud Mine, Winston	
Z22A	Elephant Butte, Truth or Consequences	
Z23A	Rita Site, White Sands Missle Range	
Z24A	Sheeppen Canyon, Tinnie	
Z25A	Roswell	
Z26A	Caprock	
Z27A	Tatum	
Z28A	Tucker Farm, Meadow	
Z29A	Hungry Hill Ranch, Wilson	
Z30A	Sanderson Ranch, Post	
Z31A	Sharp Cattle Ranch, Aspermont	
Z32A	Haskell	
Z33A	Whitaker Ranch, Olney	
Z34A	Collier Ranch, Chico	
Z35A	Perchaven, Sanger	
ZA1	Zafferana	
ZAA0	Zalesovo Array Site A0	
ZAA1	Zalesovo Array Site A1	
ZAA2	Zalesovo Array Site A2	
ZAA3	Zalesovo Array Site A3	
ZAB	Zabrze	
ZAB1	Zalesovo Array Site B1	
ZAB2	Zalesovo Array Site B2	
ZAB3	Zalesovo Array Site B3	
ZAB4	Zalesovo Array Site B4	
ZAB5	Zalesovo Array Site B5	
ZAC	Zacaltic	
ZACH	Zapallar	
ZAF		
ZAG	Zagreb	
ZAG*	Zagreb	
ZAI	Zaio	
ZAIG	Zacatecas	
ZAK	Zakamensk	
ZAL	Zalesovo	
ZALF	Zalf	
ZALV	Zalesovo Beam	
ZAM	Aeronautique	
ZAN	Zante	
ZANG	Zanguenga, Chorrera	
ZAPC		
ZAPS	Zavoj	
ZATK	Zatriq	
ZAV	Zavalia	
ZAVE	Correggio Bag	
ZAVS	Zavodnje	
ZAX	El Zacaton	
ZBID	Zabid	
ZCCA	Zocca	
ZEA	Zeya	
ZEI	Tsey	
ZEIT		
ZEM	Michoacan	
ZEN8	San Zeno di Montagna	
ZER	Zerhoun	
ZFRI	Zfri	
ZFT	Errachidia	
ZGN	Zaghouan	
ZGT	Zonguldak	
ZHC	Zelena Hora	
ZHGX	Zihuatanejo	
ZHI	Cilov Adasi	
ZHSF	Zahedan	
ZIH	Zihuatanejo	
ZIIG	Zihuatanejo	
ZIM	Zimchurud	
ZIMR		
ZIN	Mount Zion Church	
ZIP	Tsipikan	
ZIS	Zishin	
ZKR	Zakros	
ZKS	Zakynthos	
ZKT	Zaqatala	
ZKTA	Zakatala	
ZKW	Sheshan	
ZL21	Zuidlaarderveen (2)	
ZL22	Zuidlaarderveen (2)	
ZL23	Zuidlaarderveen (2)	
ZL24	Zuidlaarderveen (2)	
ZLA	Zuerich Laegern	
ZLN	Zelenaya	
ZLNR	Zelenogorsk	
ZLP	Zongo (La Paz)	ZOBO
ZLV	Zuidlaarderveen	
ZLV1	Zuidlaarderveen	
ZLV2	Zuidlaarderveen	
ZLV3	Zuidlaarderveen	
ZLV4	Zuidlaarderveen	
ZMP	Zamboanga	
ZMPH	Zamboanga City	
ZNGN	Zangian	
ZNH	Zanoah	
ZNJK	Zanja@18n	
ZNM		
ZNPU	Zion National Park	
ZNT	Zur Nathan	
ZOBO	Zongo (La Paz)	
ZOMB	Zomba	
ZON	Zonda	
ZOU	Zoufplan	
ZOX	Ground Zero	GZN
ZQRN	Zuqar Island	
ZRD	Zardab	
ZRHB	Zarechye	
ZRN4	Zerenda array site	
ZRN5	Zerenda array site	
ZRN6	Zerenda array site	
ZRN7	Zerenda array site	
ZRN8	Zerenda array site	
ZRN9	Zerenda array site	
ZRNK	Zerenda	
ZRO	Akutan Zero	
ZSC	Sheshan	
ZSC*	Sheshan	
ZSH	Tsaishi	
ZSP	San Pablo Dam	
ZST	Bratislava	
ZTZ	Tsit'eli Tsqaro	
ZUG	Zugdidi	
ZUL	Zurich-Lageren	
ZUQR	Zugar Island	
ZUR	Degenried	
ZUVM	ZUMPANGO	
ZWE1	Zweins	
ZWE2	Zweins	
ZWE3	Zweins	
ZWE4	Zweins	
ZZA	Chiapas	
ZZT	Zu Zu	

SEISMOLOGICAL OBSERVATORIES

IN ORDER OF GEOGRAPHICAL ZONE

AFRICA

Algeria
CAEH 'Ain El Ouahch
EANR 'Ain N'Sour
CASM Ain Smara
AKF Akfadou
MOLA ALG
ABA Alger-Bouzareah
ALG Algiers University
BAB Beni-Abbes
EBNR Beni Rached
CBND Bou Andas
ODJA Bouhanifia
ABMS Boumerdes
CNS Constantine
ESS CRAAG
ABSA Djebel Ababsia
CABS Djebel Ababsia ABSA
OJBR Djebel Berber
DFRA Djebel Bou Affroun
EBHM Djebel Bou Ahmed
OBLS Djebel Bou Ietas
EBOM Djebel Bou Maad
EBYL Djebel Bou Yalou
ADJB Djebel Djouab
OJGS Djebel Guires
OKGL Djebel Kef Guellal
AKET Djebel Ketaf
OKJL Djebel Kodjel
EMHD Djebel Mahouada
CMAH Djebel Manchoura
OMID Djebel Midouna
ESAD Djebel Saadia
ETHB Djebel Tachoubennt
ETAN Djebel Tanoua
ATAF Djebel Tarf
CTEI Djebel Teioualt
OTSS Djebel Tessala
ODZI Dziouia
ECHF Ech Chlef
ECHA Ech Chlef
CGMA Guelma
CGUE Guelma CGMA
IAA In Amguel
AKAY Kef Ayad
CKHR Kef el Ahmar
CKFL Kef-Lekhel
AMDA Medea
MEB Medea
CMER Merouana
OMET Metahra
AMRH Mont Rhoder
USTO Oran
OFD Oued Fodda
OLHC Oulhaca
REL Relizane
RLA Relizane
SET Setif
SKDA Skikda
TAM Tamanrasset
ETRT Tiaret
ATIP Tipaza
ATPZ Tipaza
TEC Tlemcen
OTLM Tlemcen

Angola
DUN Dundo
LUA Luanda
SDB Sa da Bandeira

Botswana
LBTB Lobatse

Cameroon
BNC Bambui
BTE Batoke
BKO Bokosso
EKC Ekona
FBT Foumbot
KMC Kompina
KBC Kumba
MOC Mount Cameroon
MOKC Mount Cameroon
NGC Ngoundere
YND Yaounde

Cape Province
KEIM Keimoes

Cape Verde Islands
BCCH Brava--Cachaco
FPPC Fogo--Pe de Pico
I11CV MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT
SACV Santiago Island

Central African Republic
BCAO Bangui
BNG Bangui
BGCA Bogoin

Chad
ABC Abeche

Congo (Kinshasa)
BIN Binsa
BULE Bulengo
BTC Butembo
DCC Delcommune
ESCO ESCO Site
GOM Goma
GUB Guba
KTL Katale
KBTI Kibati
KBBA Kibumba
KNN Kunene
LMA Le Marinel
LBGA Luboga
LBC Lubudi
ELI Lubumbashi
LWI Lwiro
MLN Mulungwishi
RUM Rumangabo
RSY Rusayo
UVI Uvira
NYAM Volcan Nyalulag
NYI Volcan Nyirag

Djibouti
ART Arta
AGD Arta Grotte
ARO Arta Observatory
ATD Arta Tunnel
ATA Atar
BLSD Baie du Lac Sali
DAF Dafare
DAY Day
GBR Grand-Bara
HLD Halaksitan
KSU Koussour
LARD Lac Aux requins
LDLD Lac de Lave
MAOD Malaho
MKL Maskali
MCAD Moucha
BEAD Nord Galaele Koma
OBO Obock
ODK Oud Koma
SGH Sud-Ghoubbet
TDJ Tadjoura
TDD Tadjoura Ara

Egypt
AAHD Abu Hadid
HRDS Abu Rudays
ASL Abu Simbel
ABUS Abu Simbel
AADN Adndan
AYT Al 'Ayyat
FYM Al Fayyum
HHRG Al Ghardaqah
AKRG Al Kharijah
MANS Anshas
HSAF As Saff
ASW Aswan
HBNS Bani@18 Suwayf
NBNS Bani Suef
HBST Basata
HSHL Bi'r Shalatayn
HBRG Burj al 'Arab
DABA Dabaa
HDK1 Dakhla
HDHB Dhahab
AUT El 'Aiyat
FYD Fayid
ATOT Gabel Atot
AGAL Gebel Alisa
AGMR Gebel Marawa
AGRW Gebel Rewraw
GRB Gharib
HHAG Hagoal
HAGS Hagol
HAMM Hamman Mousa
HLW Helwan
HEDF Idfu
KHB Jabal al Khashab
GTR Jabal at Tayr
HKAT Jabal Katrina
HMSM Jabal Masmas
GLL Jalalah
HKFR Khafra
AKRL Khor El Raml
AKSR Khor Sakr
KEG Kottamaia
KOT Kottamia
NMAN Kulet Umm Tiheiwat
AKUR Kurkur
AMAG Maghara
AMAN Manam
MMT Marsa Matruh
MATC Matruh
MAT1 Matruh
HMAT Matruh
HMYD Mayadein
MAZR Mazracia
EMRS Mersa Alam
NAHD NAHD
HNKL Nakhl
HNAT Natroun
ANAL New Alisa
NGMR NGMR
NNAL NNAL
ANMR North Marawa
NSKD NSKD
SH2 Sharm el Sheik
ASKD Sinn el Kaddab
ASHG Umm Shaghir
HDK2 Wahat Dakhilah
HFRF Wahat Farafirah
AWAL West Alisa
AWKL West Kalabsha
SHRM
HSFG
TR1
ZNM
SWA2
RSH
NUB
APRS
SLUM
ZAF
QEN
TR2
HCAT
SUZ
SQR
HQSR
AWBH
AANS
SWA1
ZEIT
ASUT
HADB

Equatorial Guinea
Fernando Poo
MFP Moca

Eritrea
ABSE Abaselama
ASME Asmera

Ethiopia
AAE Adis Abeba
ALME Alemaya
DESE Dese
FURI Furi
WNDE Wendo Genet

Gabon
MSKU Masuku

Ghana
AKGH Akosombo
HOGH Ho
KOGH Koforidua
KUK Kukurantumi
LEGH Legon
LGG Legon
SPG Saltpond
SHGH Shai Hills
TEGH Tema
WEGH Weija
WIGH Winneba

Guinea
KING Kindia
LABG Labe
MAMG Mamou

Ivory Coast
DBIC Dimbokro
I17CI DIMBOKRO INFRASONIC ARRAY REFERENCE POINT
LKO Korhogo
KIC Kosan Boka
LIC Lamto
TIC Toumodi
DIC

Kenya
KIBK Kibwezi
KMBO Kilima Mbogo
MAGK Magadi
MERK Meru
MILK Milimani
NAI Nairobi
NAKO Nairobi NAI
I32KE NAIROBI INFRASONIC ARRAY REFERENCE POINT
NYRK Nyeri
OLK Olkaria
OLWK Olkaria West

Libya
LJBD Adjabya
ALAS Alassa
MARJ Al Marj
GHAR Gharyan
LGHD Ghdames
LJFR Jufra
LKFR Kufra
LMSR Misrath
LUMB Murzuk
LSHF Shwairf
LSRT Sirt
LTBQ Tobruq
LTRP Tripoli
LUJL Ujela
LZLA Zalla

Madagascar
OBY Ambatonomby
ATG Ambohiby
OPO Ambohidratompo
ABM Ambohimiarambe
ABPO Ambohimpanom
AVY Angavokely
I33MG ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT
FRR Firariana
MDSM Mandiavato
FOMA Nahampoana Res
SBV Sambava
TAN Tananarive
VTY Vatovaky
VDA Vodivohitra
VOI Vohitsoka

Malawi
CLK Chileka
LILM Lilongwe
MALM Malindi
MZM Mzuzu
ZOMB Zomba

Mali
KOWA Kowa

Morocco
AFS Agadir Fac de Sc.
AOF Agadir Oufela
AIT Ait Ouarda
ANTZ Aouinet Torkoz
ALZ Aoulouz
AVE Averroes
BAM Barrage Abdel Moumen
BMK Barrage El Makhazine
BBT Barrage Ibn Batouta
BME Barrage Mansour Eddahbi
BMB Barrage Mohamed Ben Abdellah
BMKM Barrage Mohammed V
BMD Beni Messoud
BIT B. Ibn Batouta BBT
BOJ Boujaaouane
BBA Boulbra
CGR Cap Guir
CPS Cap Spartel
CIA Chichaoua
CZD Col de Zad
MDAL Dalia
DKH Dar Kharkhour
DKD Dar Kodiat
KIB El Ksiba
ERR Err
ZFT Errachidia
FOE Fourare
HALM Halim
HAD Hassan Addkhil
IDR Idriss Premier
IFR Ifrane
IMK Imi Mikki
CHAS Isla Isabel II, Islas Chafarinas
JBB Jbel Babet
JHA Jbel Lahdid
JOK Jbel Ouklim
KHF Khenifra
KRAM Krabesse
KES Ksar Es Souk HAD
LRO Larroussi
EMLI Melilla
MDT Midelt
MIF Mishlifen
NKM Nakhla
OKL Od Khalfella
OUJ Oujda
OUK Oukaimeden
MPAL Palemas
PVLZ Pen@16o@15n de Ve@15lez
ALHU Pen de Alhucemas
RBA Rabat
RTC Rabat Centre
RBZ Rabat Zaers
RSA Sarsar
SOIM Smimou
SMRM Smir
TAF Taforalt
TGT Taghat
TZK Tazeka
TZC Tazercounte
MTNG Tinghir
TIO Tiouine
TIS Tissa
TSY Tnine Yamani
MTOR TORKOZ
TFT Tounfite
TNF Tounfite
TOU Touzarine
YBT Youssef Ben Tachfine
ZAI Zaio
ZER Zerhoun
BMK* BMKM

Mozambique
CNG Changalane
CHGM Chingoma
LICH Lichinga
LICM Lichinga
MANI Manica
MAPI Mapinhane
LMM Maputo
NPA Nampula
SONG Songo
TET Tete

Namibia
KJAB KAMANJAB
RUDU RUNDU
TSUM Tsumeb
I35NA TSUMEB INFRASONIC ARRAY REFERENCE POINT
WIN Windhoek

Niger
TORD Torodi Ar. Beam
TOB1 Torodi Ar. Site
TOA0 Torodi Ar. Site
TOB2 Torodi Ar. Site
TOA1 Torodi Ar. Site
TOB3 Torodi Ar. Site
TOA2 Torodi Ar. Site
TOB4 Torodi Ar. Site
TOC1 Torodi Ar. Site
TOB5 Torodi Ar. Site
TOC2 Torodi Ar. Site
TOC3 Torodi Ar. Site
TOC5 Torodi Ar. Site
TOC7 Torodi Ar. Site
TOC6 Torodi Ar. Site
TOA3 Torodi Ar. Site
TOC4 Torodi Ar. Site

Orange Free State
I47ZA BOSHOF INFRASONIC ARRAY REFERENCE POINT

Rwanda
AST Butare BTR
BTR Butare
KIG Kigali

Senegal
BBTS Babate
BKL Bakel
DAK Dakar
KDG Kedougou KED
KDS Kedougou
KED Kedougou
KED* Kedougou KDS
MMS Matam
MBO M'Bour

Somalia
MOG Mogadiscio

South Africa
Cape Province
BEW Beaufort West
BLE Bellville
BUFB Buffelsbos
CVN Calvinia
CVNA Calvinia
CGH Cape Good Hope
CTO Cape Town
CASA Carruther's Hill
CER Ceres
ELIM Elim
GRH Grahamstown
GRM Grahamstown
HER Hermanus

Code	Station Name	Other
KSD	Kokstad	
KOMG	Komaggas	
LTT	Louis Trichardt	
MDL	Mandileni	
PSR	Paul Sauer Dam	
POF	Pofadder	
PKA	Prieska	
SOE	Somerset East	
SBO	Springbok	
SUR	Sutherland	
TUH	Tulbagh	
UMT	Umtata	
UPI	Upington	
Natal		
JOZ	Jozini	
NWL	Newcastle	
PTM	Pietermaritzburg	
PIE	Pietermaritzburg	
POG	Pongola	
Orange Free State		
BLF	Bloemfontein	
FRS	Fauresmith	
KIM	Kimberley	
PKR	Le Roux Dam	
PRYS	Parys	
PRY	Parys	
SEK	Senekal	
VIR	Virginia	
WKM	Welkom	
ALBD	Alberton, Johannesburg	
BNON	Benoni	
BOSA	Boshof	
HVD	Gariep Dam	
HMSA	Hans M'sky res	
KLOF	Kloof	
MSNA	Messina	
OBSV	Observatory	
OKP	Okiep	
PHW	Phalaborwa	
POGA	Pongola	
RDWR	Rand Water	
DRD	Roodepoort, Johannesburg	
TLEK	Tau Lekoa	
UNJO	University of Johannesburg	
WDLM	Western Deep Levels Mine	
Transvaal		
BFT	Belfast (SA)	
BFSD	Buffelsfontein	
BFS	Buffelsfontein	
CGY	Coligny	
CRWM	Crown Mines	
ERPM	east rand property ines	
ERS	Ellisras	
EVA	Evander	
BPI	Johannesberg	
JOH	Johannesburg	
KSR	Koster	
LEP	Lephalale	
MOAB	Moab Khotsong	
MOPA	Mopani	
PRE	Pretoria	
SWZ	Schweizer	
SLR	Silverton	
TAUL	Tau Lekoa	
Sudan		
JAWL	J.Aulia	
MRKH	Merkhyat	
NYA	Nyala	
SLAT	Slait	
Swaziland		
MAGG	Maguga Dam	
SWL	Swaziland	
SWD	Swaziland	
Togo		
OAUI	Ile-Ife	
LOM	Lome	
Tunisia		
BLIT	Baltah	
BERT	Berda	
AYNT	El Ayoun	
GAF	Gafsa	
GFA	Gafsa	
GHAT	Ghardimaou	
BTHT	Jabal bu Thady	
KCHT	Kechabta	
KEST	Kesra	
I48TN	KESRA INFRASONIC ARRAY REFERENCE POINT	
KRIT	Krib	
MART	Mareth	
MEDT	Meda	
MBZ	Menzel Bouzelfa	
OAR	Oum El Arais	
SBS	Sidi-Bou-Said	
SGNT	Sidi Gnaou	
SYA	Sidi Yaiche	
TAMR	Tamra	
TATN	Tataouine	
THTN	Thala	
THA	Thala	
TROT	Trozza	
TUN	Tunis	
ZGN	Zaghouan	
Uganda		
ENT	Entebbe	
HOI	Hoima	
KIL	Kilembe	
MBAR	Mbarara	
United Republic of Tanzania		
ARTT	Arusha	
DOD	Dodoma	
ITKT	Itaka	
ITBT	Itumba	
MBAT	Mbeya	
PDHT	Panda Hill	
TDMT	Tunduma	
Zambia		
BHA	Broken Hill	
CHMZ	Choma	
IKZ	Isoka	
ITZ	Itezhi-Tezhi	
KMZ	Kasempa	
LSZ	Lusaka	
LUS	Lusaka	
MZZ	Mansa	
PTZ	Petauke	
Zimbabwe		
BLWY	Bulawayo	
BUL	Bulawayo	
CIR	Chiredzi	
HARE	Harare	
HWZ	Hwange	
KRB	Kariba Dam	
KRI	Karoi	
KRR	Karoi	
MATP	Matopo	
MTD	Mount Darwin	
MUZ	Mutare	

ANTARCTICA

Antarctica		
ELIB	Princess Elisabeth base, Queen Maud Land, Antarctica	
Antarctica:Land		
SPA	South Pole	
QSPA	South Pole Quiet Zone Earth Science Observatory	
Antarctic Peninsula		
AIA	Argentine Island	
ESPZ	Base Esperanza	
GGV	Gabriel Gonzalez Videla	
ANC	Marguerite Bay	
OHC	O'Higgins	
PMSA	Palmer Station	
SMAI	San Martin Antarctic Base	
Coats Land		
BELA	Belgrano 2	
HBA	Halley Bay	
Dronning Maud Land		
ABOA	Aboa	
I27DE	GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	
MAIT	Maitri	
VNA	Neumayer	
VNA3	Neumayer Olymp	
VNA1	Neumayer--Station	
VNA2	Neumayer--Watzmann	
NVL	N'lazarevskaya	
SNA	Sanae	
SNAA	Sanae	
SYO	Syowa Base	
East Antarctica		
CCD	Concordia, Antarctica	
Enderby Land		
CASY	Casey	
King Edward VII Land		
LAA	Little America	
RMA	Rockefeller Mts	
Mac Robertson Land		
MAW	Mawson	
Marie Byrd Land		
BYR	Byrd	
BSA	Byrd (S.R.I.)	BY1
BY2	Byrd--Stanford Research Institute	
BY3	Byrd--Stanford Research Institute	
BY1	Byrd--Stanford Research Institute	
BYA	Byrd--Stanford Research Institute	
Queen Mary Land		
MIR	Mirnyy	
OBA	Oasis-Bungera	
South Orkney Islands		
ORCD	Orcadas	
SGY	Signy Island	
South Shetland Islands		
AAS	Arctowski Station	
DEC	Deception Island	
JUBA	Jubany	
PED	Pedro Cerda	
SEJ	Sejong Station	
Terre Adelie		
DRV	Dumont d'Urville	
TAA	Terre Adelie	
Victoria Land		
HLL	Cape Hallett	
MCM	McMurdo Sound	
SBA	Scott Base	
TNV	Terranova Bay	
VND	Vanda	
VNDA	Vanda	
I55US	WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	
Wilkes Land		
CSY	Casey Station	
WIL	Wilkes	

ASIA

Afghanistan		
KBL	Kabul	
KAAO	Kabul (SRO)	KBL
Altayskiy Kray		
CHBI	Chibit, Altay	
	Republic, Russia	
DGZ	Jazzator, Altay Republic, Russia	
SLNR	Muhor-Tarhata, Altay Republic, Russia	
SALR	Pechorkino, Salair, Kemerovskaya Oblast', Russia	
ULGR	Ulagan, Altay Republic, Russia	
YALR	Yailyu, Altay Republic, Russia	
I46RU	ZALESOVO INFRASONIC ARRAY REFERENCE POINT	
Ambon		
KRAI	Karang Ratu	
Armenia		
AMBZ	Amberd	
AKSZ	Araks	
ARRZ	Ararat	
ARUZ	Aruch	
BAW	Bavra	
CKLZ	Chkalov	
EGVZ	Egvard	
GNI	Garni	
GRS	Goris	
GMRZ	Gyumri	
HDR	Hadrut	
HARI	Harich	
HNAZ	Hnaberd	
IDJZ	Idjevan	
DZR	Jermuk	
KDR	Kadzharan	
KAMZ	Kamo	
KAPZ	Kaputan	
KRMZ	Karmrakar	
LEN	Leninakan	
LMTZ	Lermontov	
LERZ	Lernakert	
MTKZ	Martakert	
MTNZ	Martuni	
MGRZ	Megri	
METS	Metsamor	
NARZ	Nor Artik	
NPPZ	NPP	
PAAR	P'arak'ar	
SUSZ	Shushi	
SPIZ	Spitak	
STE	Stepanavan	
STEZ	Stepenevan	
TCHZ	Tchakhmakh	
TSOZ	Tsokhamarg	
VANZ	Vanadzor	
VNNZ	Vanand	
VRNZ	Vardanashen	
VRD	Vardenis	
VADZ	Vardenis	
XTNZ	Xhotanan	
ERE	Yerevan	
STKZ		
Azerbaijan		
ATGJ	Altiaghaj	
ASTR	Astara	
ALIB	Äli-Bayramli	
BRDA	Ba@14rda@14	
BAK	Baki	
BAU	Ballabur	
GLBA	Ca@14lilabad	
DZB	Cabrayil	
ZHI	Cilov Adasi	
GALA	Gala	
KRV	Ganja	
GANJ	Ganja	
GDB	GEDABAY	
GOBA	Gobu	
ISM	Ismayilli	
IML	Ismayilli	
ISL	Ismayilll	
KBJ	Kelbejer	
XNQ	Khinaliq	
KDMR	Kurdemir	
LNK	Lankaran	
LKRN	Lenkeran, Azerbaijan	
LRK	Lerik	
LKB	Lokbatan	
MGC	Mingacevir	
MNGR	Mingechevir, Azerbaijan	
NAX	Nakhchivan	
NDR	Nardaran	
NAK	Naxcivan	
PQL	Pirkuli	
PRLS	Pirkuli	
QZX	Qazax, Azerbaijan	
GBS	Qobustan	
QUB	Quba	
KUB	Quba	
QUBA	Quba, Azerbaijan	
SAAT	Saatly	
SHKI	Saki	
SHE	Samaxi	
SEKA	Sheki	
SIZA	Siya@14za@14n	
SMGA	Sumqayit	
ZKTA	Zakatala	
ZKT	Zaqatala	
ZRD	Zardab	
Bacan		
LBMI	Labuha	
Bahrain		
BEE	Al Areen	
BBU	Al Budayyi	
BRF	Ar Rifa	
BJA	Jaww	
BMU	Muharraq	
Bali		
RTBI	Rangdo, Negare	
Bangka		
PPBI	Pangkal Pinang	
Bangladesh		
BRDH	Bariadhala	
CHT	Chittagong	
Bawean		
BWJI	Bawean	
Buton		
BBSI	Bau Bau	
BSSI	Bau Bau, Buton	
Chiba		
I30JP	ISUMI INFRASONIC ARRAY REFERENCE POINT	
China		
Beijing		
BJT	Baijiatuau	
PEK	Beijing	BJI
BJI	Beijing	
BJI2	Beijing	
KWNG	Kwanting	
Fujian		
QZH	Quanzhou	
QZN	Quanzhou	QZH
Gansu		
CYEH	Changyeh	
GTA	Gaotai	
LAN	Lanzhou	
LCC	Lanzhou	
LZH	Lanzhou	
TNH	Tianshui	
TUWA	Tungkwan	
WUW	Wuwei	
YUM	Yumen	
Guangdong		
GZH	Guangzhou	
CNT	Guangzhou	GZH
LMC	Lamocks	
Guizhou		
KWA	Guiyang	GYA
GYA	Guiyang	
HXI	Guiyang	GYA
Hainan Dao		
QIZ	Qiongzhong	
Hebei		
TIE	Tianjin	
Heilongjiang		
SUI	Sui-hua	
Hong Kong		
HKCD	Cape D'Aguilar	
CCHK	Cheung Chau	
HKC	Hong Kong Observatory	
HKPS	Hong Kong Po Shan	
HKLI	Keung Shan	
HKLM	Lead Mine Pass	
HKLK	Luk Keng	
HKSL	Siu Lam	
THK	Tsim Bei Tsui	
YHK	Yuen Ng Fan	
Hubei		
ENH	Enshi	
WHN	Wuhan	
WUH	Wuhan	
WUC	Wuhan	WHN
Jiangsu		
NAN	Nanjing	
NJI	Nanjing	NAN
NJ2	Nanjing	
ZSC	Sheshan	
SSE	Sheshan	
ZSC*	Sheshan	
ZKW	Sheshan	
Jilin		
HSK	Changchun	
CNH	Changchun	
CN2	Changchun	
MDJ	Mudanjiang	
Liaoning		
DL2	Dalian	
DAI	Luda	
FEN	Shenyang	
SNY	Shenyang	
YIN	Yingkou	
Macao		
MCO	Coloane	
Nei Monggol Zizhiqu		
BTO	Baotou	
PAO	Baotou	BTO
HIA	Hailar	
HHC	Hu-ho-hao-te	
Ningxia		
YNC	Yinchuan	
Qinghai		
SNN	Xining	
Shaanxi		
TYF	T'ung-yeun Feng	
SIA	Xi'an	
XAN	Xi'an	
SPE	Xi'an	XAN
Shandong		
TSN	Qingdao	
TIA	Tai'an	
Shanxi		
TTC	Datong	
LNF	Linfen	
TYN	Taiyuan	
TIY	Taiyuan	
Sichuan		
PEH	Beibei	
CNU	Chengdu	CDU
CDU	Chengdu	
CD2	Chengdu	
Xinjiang Uygur Zizhiqu		
KSH	Kashi	
WMQ	Urumqi	
WUS	Wushi	
Xizang Zizhiqu		
CHUD	Chudeng	
CHUS	Chupsang	
JMAG	Jamag	
LHA	Lhasa	
LSA	Lhasa	
NHIM	Nhimo	
PALB	Palub	
TAGA	Panbu Gunsar	
Yunnan		
KMI	Kunming	
KUN	Kunming	KMI
Cyprus		
AKMC	Akamas	
AKDN	Akdeniz- K¯–br¯–s	
AKIN	Ak¯–nc¯–lar- K¯–br¯–s	

Code	Station Name	Other
ALFC	Alevga	
EREN	Erenkoy	
FAM	Famagusta	
HSY	Hisarkoy	
KANT	Kantara	
LEF	Lefka	
LFK	Lefkose	
MAGT	Magosa	
MAMC	Mammari	
NIC	Nicosia	
CMET	NICOSIA -NORTH CYPRUS	
PPCY	Paphos	
PHNC	Paralimni	
CSS	Prodhromos	
SZAC	Souni-Zanaja	
East Timor		
DLI	Dili	
Georgia		
ABS	Abastumani	
AKH	Akhalkalaki	
BKR	Bakuriani	
BROG	Barisakho	
BCHG	Becho	
BGD	Bogdanovka	
BOR	Borzhomi	
BGLV	Boslevi	
CHAG	Chala	
CHVG	Ch'k'valeri	
CBRG	Chuberi	
DGRG	David-gareji	
TBLG	Delisi	
DGN	Dgnorisa	
DMNS	Dmanisi	
DUS	Dusheti	
GEG	Gegechkori	
GTS	Gentvishi	
GOR	Gori	
GUDG	Gudauri	
GUDA	Gudauri	
KZR	Kazreti	
KEH	Kehvi	
KHS	Khaishi	
KHEL	Khelvachauri	
KHVA	Khvani	
KMSG	Kumisi	
KYM	Kumisi	
KRYG	Kurzu	
LGD	Lagodekhi	
MAX	Makhata	
MARV	Martvili	
MTIG	Mestia	
MTA	Mtatsminda	
NKK	Na'kalak'ari	
NTS	Ninotsminda	
ONI	Oni	
TI2	Plekhanov	
SBTG	Sabatlo	
SAB	Saberio	
SAMG	Sameba	
SRCG	Sart'ichala	
TIF	T'bilisi	
SEAG	Tbilisi Sea	
TKB	Tkibuli	
TKI	Tkibuli	
TNTG	T'onet'i	
TRLG	T'rialet'i	
ZSH	Tsaishi	
TSE	Tsebel'da	
ZTZ	Tsit'eli Tsqaro	
URAV	Uravi	
VAD	Vardenisi	
VRZG	Vardzia	
VRZT	Veris	
VERG	Veris	
ZUG	Zugdidi	
AMRG		
Greece		
Thessaly		
THL	Klokotos Trikala	
India		
Andaman Islands		
CMBY	CAMPBELL BAY	
DGPR	DIGLIPUR	
PBA	Port Blair	
Andhra Pradesh		
ADKI	Addanki	
CHLP	Challavanipeta	
HYD	Hyderabad	
HYB	Hyderabad	
HYBB	Hyderabad (broadband)	
KGD	Kothagudem	
NJS	Nagarjunasagar	
NLG	Nalgonda	
RPR	Rampur	
URV	Uravakonda	
VJD	Vijayawada	
VISK	Vishakhapatnam	VIS
VIS	Vishakhapatnam	
VIZ	Vizianagram	
WGL	Warangal	
Arunachal Pradesh		
BMI	Bomdila	
INR	Itanagar	
KOI	Khonsa	
Assam		
NGJA	Assam	
BKOA	Assam	
GWH	Guwahati	
HLGA	Haflong	
HMNA	Hamren	
JHI	Jorhat	
KZI	Kaziranga	
LKP	Lekhapani	
PNBI	Panbari	
TZR	Tezpur	
TOC	Tocklai	
YYI	Yaongyimsen	
Bihar		
BOK	Bokaro	
BOKR	Bokaro	BOK
SHBG	Sahibganj	
Delhi		
AYAN	Aya Nagar	
LDR	Lodi Road	
NDI	New Delhi	
SONA	Sohna	
Goa, Daman and Diu		
DHD	Dharwar	
GOA	Goa	
Gujarat		
BHV	Bhavnagar	
BHUJ	Bhuj	BHJ
BHJ	Bhuj	
Haryana		
BHGR	Bahadurgarh	
KUDL	Kundal	
KKR	Kurukshetra	
RTK	Rohtak	
ROH	Rohtak	
Himachal Pradesh		
CKA	Chakrata	
DLH	Dalhousie	
DHDN	Dehradun	
DHRM	DHARAMSHALA	
GKD	Gaurikund	
GTU	Guttu	
JWA	Jwalamukhi	
JWL	Jwalamukhi	
KLP	Kalpa	
KSLI	Kharsali	
KOTI	Kothi	
KKHI	Kotkhai	
NHN	Nahan	
NURP	Nurpur	
SMI	Simla	
SMLA	Simla	
SDNR	Sundarnagar	
TPVN	Tapovan	
THN	Thein Dam	
CUD	Cuddapah	
UMI	India	
JOSI	Joshimath	
LGTI	Lohaghat	
PONG	Pong	
SLGI	Shiliguri	
VLK	Valmikinagar	
Jammu and Kashmir		
JMU	Jammu	
JYP	Jyotipuram	
RMBN	Ramban	
SRNI	Srinagar	
UDP	Udhampur	
Karnataka		
GBA	Gauribidanur Array	
KGF	KGF	
MNGI	Mangalore	
Kerala		
TRD	Trivandrum	
TRVM	Trivandrum	TRD
Laccadive Islands		
MNCI	Minicoy	
MNCY	Minicoy	
Madhya Pradesh		
BHPL	Bhopal	
BLSP	Bilaspur	
BLPI	Bilaspur	
JBP	Jabalpur	
REW	REWA	
SEH	Sehore	
Maharashtra		
AKL	Akola	
BOM	Bombay	
GOV	Govalcot	
KAD	Karad	
KARD	Karad	
KOLH	KOLHAPUR, MAHARASTRA	
KNI	Koyna Nagar	
LATR	Latur	
MAH	Mahableshwar	
NGP	Nagpur	
POO	Poona	
PUNE	Pune	
STA	Satara	
Manipur		
IMP	Imphal	
MUM	Manipur University	
Meghalaya		
NGNA	Nongstoin	
SHIO	Shillong	SHL
SHL	Shillong	
TURI	Tura	
DWK		
Mizoram		
AZL	Aizawl	
Nagaland		
BHDI	Bhandari	
CHKI	Chanki	
KHM	Kohima	
KGNI	Kongan	
Orissa		
BWNR	Bhubaneshwar	
Punjab		
BHK	Bhakra	
MUK	Mukerian	
Rajasthan		
AJM	Ajmer	
AJMR	Ajmer	AJM
JASL	Jaisalmer	
KHET	Khetri	
Sikkim		
GTK	Gangtok	
Tamil Nadu		
MDRS	Chennai	
KRKL	Karaikal	
KOD	Kodaikanal	
MDR	Madras	
SALM	Salem	
Tripura		
AGT	Agartala	
Uttar Pradesh		
ABI	ADIBADRI	
AGR	Agra	
AGRA	Agra	
ALBI	Allahabad	
ASOR	Ausora	
BRCI	Bahraich	
BISR	Bishrakh	
DDI	Dehra Dun	
DBND	Deoband	
GARI	Garurganga	
JHNI	Jhansi	
KALG	Kalgarh	
MEE	Meerut	
PLMI	Pala-Maneri	
PTH	Pithoragarh	
RTUL	Rataul	
SNP	Sonepat	
VAR	Varanasi	
WIHG	Wadia Institute--Dehra Dun	
West Bengal		
CAL	Calcutta	
HOW	Howrah	
Indonesia		
Ambon		
AAI	Ambon	
AMO	Ambon	
NLAI	Namlea	
Asia		
BATI	Baumata	
Bali		
DNP	Denpasar	
IGBI	Denpasar	
INGI	Ingas	
JEHI	Jehsanih	
KHKI	Kahang-Kahang	
KELI	Kelakatan	
NBBI	Negara	
RANI	Rangndo	
RATI	Rata	
SRBI	Singaraja	
THRI	Tanaharon	
Borneo		
KBKI	Kotabaru	
Flores		
EDFI	Ende, Flores	
LBFI	Labuhan Bajo, Sumatra	
MMRI	Maumere	
MHIT	MHIT	
RUTI	Ruteng	
Irian Jaya		
BAKI	Biak	
FAKI	Fak Fak	
GENI	Genyem	
JAY	Jayapura	
KMPI	Kaimana, Papua	
MWPI	Manokwari, Papua	
MENI	Mendum Tagoi	
MMPI	Merauke	
NABI	Nabire	
RKPI	Ransiki, Papua	
SMPI	Sarmi	
SWI	Sorong	
SIJI	Sorong	
TLE	Tual	
WAMI	Wamena	
YOMI	Yo Moklole	
Jawa		
ABJI	Asem Bagus	
BND	Bandung	
BJII	Banjamegara	
BLJI	Banyuglugur	
BYJI	Banyuwangi	
CNJI	Cibinong	
CGJI	Cibinong	
CLJI	Cilicap	
CMJI	Cimerak	
CISI	Cisompet, Garut	
CBJI	Citeko	
DBJI	Dramaga	
GED	Gedeh	
GRJI	Gresik	
GMJI	Gumukmas	
JAGI	Jajag, Banyuwangi	
DJA	Jakarta	
JMBI	JAMBI	
JCJI	Jatiwangi	
KMMI	Kalianget	
KALI	Kaliastana	
KRKI	Karangkates	
KPJI	Karang Pucung	
KIJ	Kawah Idjen	
KEL	Kelud	
LEM	Lembang	
MLB	Malabar	
MAJ	Maron	
MRP	Merapi	
NGJI	Ngawi	
PCJI	Pacitan	
PWJI	Pagerwojo	
PACI	Pancar Gunung	
PASI	Pasiripis	
PULI	Pulasari	
SJI	Sawahan	
SRDI	Scrawed	
SMRI	Semarang	
SMR	Semeru Mts	KEL
SBJI	Serang	
SINI	Singah	
SKJI	Sukabumi	
TBJI	Tambak Boyo	
TNG	Tangerang	
TPJ	Tangkuban Prahu	
TGJI	Tegal	
TRT	Tretes	
UWJI	Ujung Watu	
UGM	Wanagama	
WOJI	Wonogiri, Jawa	
YOGI	Yogyakarta	
Kalimantan		
BKB	Balikpapan	
BKB2	Balikpapan	
BBKI	Banjar Baru	
MTKI	Muara Teweh, Kalimantan	
PLKI	Palangkaraya	
PBKI	Pangkalan Bun	
PTKI	Pontianak	
SMKI	Samarinda	
SGKI	Sangatta, Kalimantan	
STKI	Sintang	
TARAI	Tarakan	
Lombok		
KEDI	Kedomdong	
MTNI	Mataram	
Moluccas		
BNDI	Bandanaira	
GAMI	Galela, Maluku	
GTOI	Gorontalo	
MSAI	Masohi	
SANI	Sanana	
SLKI	Saumlaki	
SAUI	Saumlaki	
TNTI	Ternate	
TNE	Ternate	
Nias		
GSI	Gunungsitoli	
Sulawesi		
APSI	Ampana	
BNSI	Bone	
BKSI	Bulukumba	
BUNI	Buntu Taipa	
BTNI	Buton	
KMSI	Cibinong	
KPNG	Kappang	
KAPI	Kappang	
KDI	Kendari	
KKSI	Kolaka, Sulawesi	
LUWI	Luwuk	
MJSI	Majene	
MKS	Makassar	
MMSI	Mamuju	
MNI	Manado	
MPSI	Mapaga	
MRSI	Marisa	
MSSI	Masamba	
NINI	Niniconang	
PCI	Palu	
SPSI	Sidrap Palu	
SKSI	Soroako, Sulawesi	
TTSI	Tana Toraja	
TANI	Tanete Lipujang	
TOLI	Toli-Toli	
Sumatera		
AEKI	Aeknabara	
BSI	Banda Aceh	
BLSI	Bandar Lampung	
BKNI	Bangkinang	
BGI	Bengkulu	
EGSI	Enggano, Bengkulu	
HUTI	Huta Ginjang	
KSI	Kapahiang	
KRJI	Kerinci	
KKD	Korintji-Dempo	
KASI	Kota Agung	
KLI	Kotabumi	
KCSI	Kotacane, Aceh	
LHSI	Lahat	
LARI	Lau Rambong	
LHMI	Lhok Sumawe	
LWLI	Liwa	
MNSI	Mandailing Natal	
MNAI	Manna	
MRPI	Mariponipon	
MARI	Martimbang	
MASI	Maura Aman, Bengkulu	
MDSI	Maura Dua	
MBSI	MBSI	
MED	Medan	
PDSI	Padang	
PPI	Padang Panjang	
PMBI	Palembang	
PCBI	Pancar Batu	
PENI	Pendagan	
PSI	Prapat	
PBSI	Pulau Batu	
PPSI	Pulau Pagai	
PWS	Pulau-Weh	
RBSI	Rajabasa	
RPSI	Rantau Prapat	
RGRI	Rengat	
SISI	Saibi	
SEMI	Semponon	
SIBI	Sibayak Dolok	
SBSI	Sibolga	
SIMI	Simarbalatuk	
SNSI	Sinabang, Aceh	
SLS	Soengei Langka	
SDSI	Sungai Dareh	
TLN	Talang	
TPI	Tanjungpandan	
TPRI	Tanjung Pinang	
TRSI	Tarutung	
TSI	Tuntungan	
TPTI		
KLSI		
Sumba		
BASI	Baing, Sumba	
BMNI	Bima	
TWSI	Taliwang, Sumbawa	
WBSI	Waikabubak, Sumba	
WSI	Waingapu	
Timor		
BWTI	Baumata	
KUG	Kupang	
KUP	Kupang	
KUPT	Kupang	KUG
SOEI	Soe	
Iran		
IAFJ	Afjeh	
AHBU	AHRAM	
AHWZ	Ahwaz	
IAKL	Akhelmad	
IALA	Alasht	
ALIA	Aliabad	
IAND	Andimeshk	
IANJ	Anjilo	
ASAO	Ashtian	
IAZR	Azarshahr	
IBAF	Bafgh	
IBND	Bandar-abas	
BNDS	Bandar-Abbas	
BIRU	Birjand	
BJRD	Bojnu@18rd	
BJMA	Bojnurd	
IBST	Bostanabad	
IBZA	Bozab	
IBRJ	Brojen	
CHBR	Chabahar	
CHTH	Charan	
ICHK	Chekchek	
CHMN	Cheshme madani	
IDAH	Dahanechah	
DAMV	Damavand	
IDMV	Damavand	
SCNT	Darkhovein	
IDSA	Dashabbas	
IDHR	Dehrash	
IDOB	Doab	
IEMG	Emamgholi	
IFTB	Fath-abad	
IFIR	Firoozkooh	
GENO	Geno	
GRMI	Germi	
IGHG	Ghaleghazi	

Code	Station Name	Other
IGLO	Ghaloghah	
QAM	Ghamsar	
IGAR	Gharneh	
IGZV	Ghazvin	
GHIR	Ghir-Karzin	
GHVR	GHOM	
GNKF	Gonabad	
IHSB	Hasanabad	
IHSH	Hashtrud	
IHRS	Heris	
IHOS	Hoseineyeh	
IR1	Iran Long-Period Array	
IR2	Iran Long-Period Array	
IR4	Iran Long-Period Array	
IR7	Iran Long-Period Array	
IR6	Iran Long-Period Array	
IR5	Iran Long-Period Array	
IR3	Iran Long-Period Array	
IRSH	Iranshahr	
JHBN	Jahan bin	
JHRM	Jahrom	
IKFM	Kafar-mosalman	
KHI	Kakhk	
IKMR	Kamar-syah	
IKRD	Kardeh	
IKAZ	Kazeroun	
KRBR	Kerman	
KRBA	Kerman	
KER	Kermanshah	
ADB	khalkal	
IKAR	Kharkheh	
SKHZ	Khezeriat	
KHMZ	Khomeyn	
IKIA	Kiasar	
KHSK	Kohestak	
KHGB	Koh Gabri	
IKLH	Kolahrood	
IKOM	Komasi	
IKOO	Kooshah	
ILAS	Lasjerd	
ILIN	Lien	
IMAH	Mahabad	
IMHD	Mahdasht	
MAKU	Maku	
IMRD	Marand	
MRVT	Maraveh tapeh	
SMRD	Mared	
MHI	Mashad	MAIO
ISRO	Mashad	
MSH	Mashhad	
MAIO	Mashhad (SRO)	
MUI	Mashhad University	
MSHA	Masjed Soleyman	
IMEH	Mehriz	
IMYA	Miami	
MISD	Mianeh	
IMIN	Minoodasht	
IMND	Minoodasht	
IMOG	Moghan	
SMGT	Moghavemat	
IMON	Monand	
IMOK	Mouk	
NASN	Na'in	
NGRK	Negar Kerman	
NIAN	Nian	
NOSH	Now Shahr	
IPAR	Pars	
IPAY	Payeh	
IPRN	Peran	
IPIR	Pirpir	
IQOM	Qom	
IQHU	Qucahn	
RFDD	Rafsanjan	
IRAM	Ramesheh	
RMKL	Ramhormoz	
IRAZ	Razeghan	
RKHB	Rokh Bas	
ISAD	Sadrabad	
SNGE	Sanandaj	
ISRB	Sarab	
SRMB	Sarakhs	
ISRV	Sarvestan	
SRI	Sefi@18d Ru@18d	
SEF	Sefi@18d Ru@18d	SRI
ISFB	Sefidab	
SMAV	Semnan-Aivanekay	
ISFR	Sfrayin	
SHD	Sha@18hru@18d	
ISHB	Shabestar	
SSHG	Shadegan	
ISHM	Shahmirzad	
SHRT	Shahrakht	
ISHR	Shahran	
SHRO	Shahrood	
SHI	Shiraz	
ISHV	Shirvan	
SHGR	Shooshtar-Gavsavar	
ISHO	Shoshtar	
SHGO	Shushtar	
TABS	Tabas	
TAB	Tabri@18z	
ITBZ	Tabriz	
TGI	Taghi Ghambar	
THR	Tehra@18n	
TEH	Tehran	
THKV	Tehran--Karaj	
ITEG	Tejag	
TVBK	TV Kerman	
IVRN	Varamin	
IVIS	Veis	
ZHSF	Zahedan	
ZNGN	Zangian	
ZNJK	Zanja@18n	
IZEF	Zefreh	
Iraq		
IBDR	Badra	
BHD	Baghdad	
BSR	Basra	
IKRK	Kirkuk	
MSL	Mosul	
NSR	Nassriya	
RTB	Rutbah	
SLY	Sulaymaniyah	
Israel		
ADI	Adamit	
AMZI	Amatzia	
AMAZ	Amatzia	
ARVI	'Arava Valley	
ATR1	Atar 1	
BGIO	Bar Giyyora	
BTI	Bat Shelomo	
GVI	Bet Guvrin	
BLGI	Bet Lehem HaGelilit	
BRNI	Bet Oren	
BSO	Bsor	
DSI	Dead Sea	
DSD2	Dead Sea Dam 2	
DIMI	Dimona	
DOR	Dorot	
DRGI	Dragot	
ENGI	Ein Gedi	
EIL	Elat	
GVMR	Giv'at Hamore	
GLH	Golan-Tel Qazir	
HAF	Haifa	
HNTI	Hanita	
HLZ	Helez	
JNI	Jehonathan	
JER	Jerusalem	
JVI	Jordan Valley	
KMTI	Karmit	
KSDI	Kefar Szold	
KERI	Keren	
KSHT	Keshet	
HRSH	Kfar Ka'horesh	
KZIT	Kziot	
NOH	Ma'ale Noah	
MKT	Machtesh Katan	
MNFI	Manof	
MZBI	Masada	
MSDA	Masada	
MZDA	Masada	
MASH	Mash'abbe Sade	
MAMI	Mei-Ami	
ASI	Mount Amassa	
ATZ	Mount Atzmon	
MBH	Mount Berech	
CRI	Mount Carmel	
MGI	Mount Gilboa	
HRFI	Mount Harif	
HRI	Mount Hermon	
MMLI	Mount Malkishua	
MML	Mount Malkishua	
MMR	Mount Meron	
MNRI	Mount Meron	
MRNI	Mount Meron	
MMB3	Mount Meron array	
MMB4	Mount Meron array	
MMB1	Mount Meron array	
MMC2	Mount Meron array	
MMC7	Mount Meron array	
MMA4	Mount Meron array	
MMC4	Mount Meron array	
MMA2	Mount Meron array	
MMA1	Mount Meron array	
MMA3	Mount Meron array	
MMC3	Mount Meron array	
MMA0	Mount Meron array	
MMC5	Mount Meron array	
MMC1	Mount Meron array	
MMA0B	Mount Meron array	
MMB2	Mount Meron array	
MMC6	Mount Meron array	
MMAI	Mount Meron Array Beam Reference Point	
MOI	Mount Montar	
RMN	Mount Ramon	
RMNI	Mount Ramon	
MSM	Mount Sar Shalom	
SDOM	Mount Sodom	
MYI	Mount Yahel	
YASH	Mount Yoash	
MBRI	Mt Berech	
HMDT	Nahal Hemdat	
OFRI	'Ofer	
PRNI	Paran	
KRMI	Paran Flat	
PARD	Parod	
RTMI	Retamim	
RTMM	Retamin	
RVVM	Revivim	
REVI	Revivim	
SAGI	Saggi Highlands	
SLTI	Sal'it	
SZAF	Shezaf	
SVTA	Shivta	
YTIR	Yattir	
ZNH	Zanoah	
SAF	Zefat	
ZFRI	Zfri	
ZNT	Zur Nathan	
Japan		
Abashiri		
ABJ	Abashiri	
ABJ2	Abashiri 2	
JTKR	Abashiri--Tokoro	
JAK	Akkeshi	
KNP	Kunneppu	
JMP	Maruseppu	
Aichi		
JAA	Atsumi	
CHTJ	Chita	
INU	Inuyama	
MIKN	Mikawa	
NAG	Nagoya	
SYJ	Shimoyama	
TYH	Toyohashi	
TYNN	Toyone	
Akita		
AKI	Akita	
AKI1	Akita	
AKIJ	Akita 2	
KOMT	Akitakoma	
FUT	Futatsui	
JAH	Hinai	
HJY	Honjo	HJH
HJH	Honjo	
NIB	Nibetsu	
JOG	Oga	
OGH	Oga	
JOG2	Oga 2	
TBS	Tobishima	
TOBT	Tobi-shima	
YOKT	Yokooka	
JYW	Yuwa	
Aomori		
AOM	Aomori	
AOM1	Aomori	
AOMJ	Aomori 2	
AOM3	Aomori 3	
DAKH	Dake	
GNK	Ganki	
HAC	Hachinohe	
HACJ	Hachinohe 2	
HATH	Hata	
HRD	Hirodai	
IZMH	Iizume	
JIW	Iwasaki	
KZW	Kaizawa	
JANG	Nango	
JOT	Ohata	
JSI	Shiura	
JSI2	Shiura 2	
TNB	Tanabu	
JTM	Tenmabayashi	
YAY	Yayoi	
Bonin Islands		
CBIJ	Chichi jima	
CBI	Chichi jima	
TTZ	Chichi shima	
HJJ	Hachijo jima	
JHJ	Hachijo jima 2	
JHCJ	Hachijojimakashitate	
JHHJ	Haha-jima-NKT	
YUO	Iwo jima	
JKO	Kozu shima	
JHJ2	Mitsune	
MKJ	Miyake jima	
JMY	Miyakejima3	
NJJ	Nii jima	
NJJJ	Nii jima 2	
OGS	Ogasawara	
OSH	Oshima	
OSHJ	Oshima	
JIM	O shima 2	
JIM2	Oshima 3	
TOR	Tori shima	
Chiba		
COJ	Choshi	
CHOJ	Chosi	
CHO1	Chosi	
CHO	Chosi	
ICH	Ichihara	
INB	Inubo	
IWJ	Iwai-Kita	
KTR	Katsuura	
KIY	Kiyosumi	
KYS	Kiyosumi	
TMS	Mera	
MNJ	Mineoka	
JCN	Nagara	
SKU	Sakura	
SMJ	Shimohsa	
TAT	Tateyama	
TYM	Tateyama	
TATJ	Tateyama 2	
TOG	Togane	
YKI	Yokaichiba	
Ehime		
MTY	Matsuyama	
JNA	Nagahama	
NHM	Niihama	
JET	Tanbara	
UWA	Uwa jima	
UWA2	Uwa jima 2	
Fukui		
FUK	Fukui	
FKJD	Fukui	
HKJ	Hokoriku	
IMJ	Imajo	
KADD	Katsuyama	
KAJD	Katsuyama	
MHJ	Mihama	
SGJ	Sugihashi	
TSR	Tsuruga	
TSRJ	Tsuruga	
Fukuoka		
JFA	Akaike	
AKM	Akama	
FKK	Fukuoka	
IZK	Iizuka	
JFI	Itaya	
Fukushima		
AID	Aizu	
FKS	Fukushima	
JHK	Hiroka	
IWK	Iwaki	
ONAJ	Iwakimizuishiyama	
KNY	Kanayama	
JFK	Kawauchi	
MAKT	Makukawa	
ONA	Onahama	
JFT	Otama	
SHR	Shirakawa	
SHRJ	Shirakawa 2	
JFY	Yanaizu	
Gifu		
AMJ	Amo	
GIF	Gifu	
ITD	Itadori	
KTJD	Kamitakara	
JGF	Kuroka	
KHJ	Kushihara	
MZE	Maze	
JGM	Miyama	
JGN	Niukaw	
JAO	Obara	
OHRN	Oohira	
SMJD	Shimonomoto	
SPJN	Shinpukuji	
SRJD	Shirakawa	
SRJ	Sugihara	
TKN	Takane	
TKY	Takayama	
TAKN	Takayama	
TKZ	Takazawasan	
TKJD	Tokuyama	
TKC	Tsukechi	
YKE	Yakedake	
Gumma		
JGK	Kuni	
MAE	Maebashi	
MAEJ	Maebashi 2	
ODSE	Onioshidashi	
Hidaka		
JBT	Biratori	
JBT2	Biratori 2	
JEM	Erimo	
ERM	Erimo	
HIC	Hidaka-Cho	
KMU	Kamikineusu	
MSN	Misono	
MUJ	Mitsuishi	
URA	Urakawa	
URAJ	Urakawa 2	
URA3	Urakawa 3	
JNBK	Urakawa-nobuka	
Hiroshima		
HIR	Hiroshima	
HIR1	Hiroshima	
HIRJ	Hiroshima 2	
JJG	Jouge	
JHM	Kurahashi	
KRE	Kure	
KUT	Kutsugahara	
MKW	Mikawa	
NKR	Nakanohara	
JHS	Saijyo	
SHK	Shiraki	
JHT	Toyohira	
UZT	Uzuto	
Hiyama		
JHY	Hiyama	
IMG	Imagane	
KKJ	Kaminokuni	
OKS	Okushiri	
JOSM	Okushiri--Matsue	
JOR	Okushj	
JSH	Shimam	
JSR	Shiriuchi	
Hokkaido		
HRK	Horoka	
IWN	Iwanai	
Honshu		
BSO1	Boso 1	
BSO2	Boso 2	
BSO3	Boso 3	
BSO4	Boso 4	
Hyogo		
JAJ	Awaji shima	
HMTD	Hikami	
HIM	Himeji	
IZT	Izumi	
KZT	Kanzaki	
JKS	Kasai	
JKSM	Kasumi	
KOB	Kobe	
KBE	Kobe	
JMT	Mikata	
MZT	Mikazuki	
JMIK	Miki	
OYT	Oya 1	
OYT2	Oya 2	
RKO	Rokko	
SNZ	Senzan	
SUM	Sumoto	
TTOK	Tanto	
TYK	Toyo'oka	
TNAK	Tsuna	
JAJ2	Tsuna	
YZT	Yamasaki	
YST	Yumesaki	
Ibaraki		
KAK	Kakioka	
KAKJ	Kakioka Outpost	
MIT	Mito	
MRJ	Moriya	
MTJ	Mount Tsukuba	TSK
OKI	Okijuku	
TSK	Tsukuba	
JYT	Yasato	
Iburi		
GENH	Genta-Ana	
HORH	Horominai	
NRMH	Kita-Gairin	
KITH	Kitausu	
KONH	Konpirayama	
MATH	Matsumotoyama	
SRMH	Minami-Gairin	
MITH	Mitoyo	
MRR	Muroran	
MRRJ	Muroran 2	
JNB	Noboribetsu	
OHD	Ohdaira	
SHOH	Showa-Shinzan	
TATH	Tatsuka	
TMR	Tomakomai	
UVO	Usu Kazan Kan	
Ishikari		
JEW	Eniwo	
HSS	Hokkaido University	
SAP	Sapporo	
Ishikawa		
JJH	Hakui	
JHG	Hegura jima	
HRJ	Horyu	
JKG	Kaga	
KAN	Kanazawa	
KANJ	Kanazawa	
KAN2	Kanazawa 2	
KMD	Komatsu	
KMJD	Komatsu	
JSZ	Suzu	
WAJ	Wa jima	
Iwate		
K06	Arakawa	
K11	Fujikirizawa	
HSH	Hashikami	
HMK	Himekami	
JMK	Ichinoseki	
IMAT	Imadeyama	
K05	Ishipane	
KGJ	Kitakami	
K12	Koide	
K04	Kokoji	
K07	Kotohata	
JKZ	Kuzumaki	
MIY	Miyako	
MKO	Miyako	
MIYJ	Miyakonagasawa	
MIW	Mizusawa	MIZ
MIZ	Mizusawa	
K08	Monomi-yama	
MRK	Morioka	
MRKJ	Morioka 2	
K01	Nishinai	
OFUJ	Ofunato	
OFU	Ofunato	
JOM	Ohasama	

Code	Station Name	Other
K09	Ooide	
K10	Oonodaira	
JRG	Rokugo	
SNI	Sanriku	
SAH	Sawauchi	
K03	Shimotochinai	
JTH	Tanohata	
K02	Yamasaki	
KDT	Kodera	
JNIO	Niijimaoohara	
TTO1	TONANKAI O.B.S1	
TTO2	TONANKAI O.B.S2	
TTO3	TONANKAI O.B.S3	
TTO4	TONANKAI O.B.S4	
TTO5	TONANKAI O.B.S5	
Kagawa		
JJS	Sakaide	
TAD	Tadotsu	
TKM	Takamatsu	
Kagoshima		
FURD	Furusato	
GON	Gongen	
HIKD	Hikinohira	
KAG	Kagoshima	
KAGJ	Kagoshima 2	
KV01	Kirishima Volcano	
KITD	Kitadake	
KOID	Koike	
NABD	Nabeyama	
NOJ	Nojiri	
JZO	Okuchi	
KV05	Oonami East	
KV03	Oonami West	
JSJ	Shimokoshiki	
SHRD	Shirahama	
KV12	Sinyu	
JSU	Suzuyama	
KV11	Takachiho West	
JTSR	Tashiro 2	
YOSD	Yoshimatsu	
YSM	Yoshimatsu	
Kamikawa		
AIB	Aibetsu	
ASA	Asahikawa	
ASAJ	Asahikawa	
JFR	Furan	
JKK2	Kamakawa 2	
JKK	Kamikawa	
JKA	Kamikawa-asahi	
Kanagawa		
KMK	Kamakura	
HRM	Kawasaki	
ASG	Minamiashigara	
MSK	Misaki	
JOD	Odawara	
JOD2	Odawara 2	
OYM	Oyama	
SRY	Shiroyama	
TKE	Take-yama	
YOK	Yokohama	
JYO	Yokosk	
YSK	Yokosuka	
Kochi		
AOU	Aou	
ASZ	Ashizuri	
IHR	Ishihara	
KOC	Kochi	
JKU	Kubokawa	
JMN	Monobe	
MRT	Murotomisaki	
MRMJ	Muroto Misaki	
MRT2	Murotomisaki 2	
SHM	Shimizu	
JTO	Tosashimizu	
URS	Ugurusu	
UMJ	Umaji	
WMY	Wakamiya	
Kumamoto		
ASO	Aso	
ASJ	Aso san	
JBEP	Beppuamama	
JHD	Hondo	
HONK	Hondo	
JIU	Izumi	
JIU2	Izumi 2	
KISK	Kishima-dake	
KUM	Kumamoto	
KUMJ	Kumamoto 2	
MAKK	Maki	
SUNK	Sunasenri	
TAKK	Taka-dake	
JTA	Tamana	
Kushiro		
AKK	Akkeshi	
JAR	Ashorobuto	
KUS	Kushiro	
KSUJ	Kushiro	KUSJ
KUSJ	Kushiro	
JOB	Onbets	
TES	Teshikaga	
Kyoto		
KMM	Kamigamo	
KGMK	Kamigamo	
KHK	Keihoku	
KYO	Kyoto	
MAI	Maizuru	
MZH	Maizuru	
MZH2	Maizuru 2	
JFM	Mihama	
MYD	Miyazu	
SZG	Shizugawa	
TNJ	Tannan	
UJI	Uji	
JWT	Wachi	
JKY	Yasaka	
Marcus Island		
MCS	Marcus Island	
MCSJ	Minami-tori-shima	
Mie		
GOZ	Gozaisho	
GZS	Gozaisho	GOZ
INA	Iinan	
ISE	Ise	
JIE	Ise	
IWO	Iwaosan	
KAM	Kameyama	
KMYN	Kameyama	
JKN	Kiinagashima	
JKN2	Miekihoku	
OWA	Owase	
TSU	Tsu	
TSU1	Tsu	
TSUJ	Tsu 2	
UGK	Ugakei	
Miyagi		
AOB	Aobayama	
ISN	Ishinomaki	
KMF	Kamafusa	
KWT	Kawatabi	
KSN	Kinkasan	
JMM	Marumori	
JIO	Ouri	
SEN	Sendai	
TUY	Tsuyama	
Miyazaki		
JMH	Hososhima	
KV02	Kamimonzen	
KV06	Karakunidake	
JKJ	Kijyo	
JKIT	Kitakata	
KV04	Kurino-dake	
JJK	Kushima	
JNAR	Kushima--Naru	
MYZ	Miyazaki	
MYZ2	Miyazaki 2	
NOB	Nobeoka	
KV09	Okamoto-Ura	
JTZ	Takazaki	
JTSN	Tsuno	
KV91	Ura	
Nagano		
AVOE	Asama Observatory	
ASM	Asama Yama	
GPY	Gippayama	
HSJ	Hoshina	
HTK	Hotokeiwa	
HZA	Huzimizaka	
IID	Iida	
IJDJ	Iida	IIDJ
IIDJ	Iida	
IKJ	Ikusaka	
KRJ	Kamimuroga	
KAZ	Karuizawa	
KRZ	Karuizawa	KAZ
KSJ	Kashima	
KMGE	Kuromamegawa	
MJ00	Matshushiro Site	
MJA0	Matsu Arr-Jizo	
MJB3	Matsu-Daira	
MJB8	Matsu-Inaba	
MJB6	Matsu-Irikaruiz	
MJA4	Matsu-Jizotouge	
MTM	Matsumoto	
MTMJ	Matsumoto	
MJB4	Matsu-Nakagumi	
MJA2	Matsu-Nakaone	
MAJO	Matsushiro	
MAT	Matsushiro	
MJAR	Matsushiro Array Beam Reference Point	
MAT0	Matsushiro Array Site 0	
MJ01	Matsushiro Array Site 1	
MJ02	Matsushiro Array Site 2	
MJ03	Matsushiro Array Site 4	
MJ04	Matsushiro Array Site 4	
MJ05	Matsushiro Array Site 5	
MJ06	Matsushiro Array Site 6	
MJA3	Matsu-Soehiyama	
MJB2	Matsu-Sugadaira	
MJB1	Matsu-Takimoto	
MJA1	Matsu-Toyosaka	
MJB9	Matsu-Tunnel	
MJB7	Matsu-Wadaira	
MJB5	Matsu-Yatsubo	
NGN	Nagano	
NGJ	Na-gawa	
NNJ	Nakano	
NSW	Nakanosawa	
JNG	Nsakai	
OMJ	Ohmine	
OIW	Oiwake	
OOS	Ooshika	
SDJ	Sanada	
STRE	Sannotorii	
SSZ	Sekisonzan	
SHZE	Shinhuzimiza	
SSJ	Shinshu-shinm'i	
JNY	Yasuok	
Nagasaki		
CJA	Chijiwa	
FKJ	Fukue	
JFU	Fukue jima 2	
JII	Iki	
IZU	Izuhara	
IZUJ	Izuhara	
IZU2	Izuhara 2	
NGS	Nagasaki	
NGSJ	Nagasakinomozaki	
SWAJ	Obama	
SHV	Shimbara	
TOM	Tomie	
JTU	Tsushima	
UNZ	Unzen dake	
JUR	Ureshino	
Nara		
HBR	Haibara	
JHE	Heguri	
NAR	Nara	
SRT	Sarutani	
YAG	Yagi	
Nemuro		
JNK	Nakash	
NEM	Nemuro	
NEM2	Nemuro 2	
NMR	Nemuro--Hokkaido University	
JRA	Rausu	
Niigata		
AIK	Aikawa	
JAW	Awa shima	
ITGE	Itoigawa	
JIZZ	Izumozaki	
KZK	Kashiwa-zaki	
KZJ	Kashiwa-zaki	
JJN	Nakama	
NII	Niigata	
NIIJ	Niigata 2	
NOUE	Nou	
JSD	Sado	
JNS	Sasagawa	
SBH	Shibata	
TKJ	Takada	
TKD	Takada	
YHKE	Yahiko	
YNT	Yunotani	
YZU	Yuzawa	
Oita		
BEP	Beppu	
JKI	Kunimi	
JNU	Nakatsue	
OIT	Oita	
OIT2	Oita 2	
JUS	Usuki	
Okayama		
JAD	Aida	
OKA	Okayama	
OKA1	Okayama	
OKA2	Okayama 2	
Osaka		
ABU	Abuyama	
KAJ	Kashiwara	
KTNK	Katano	
MYO	Myokensan	
OSA	Osaka	
OSK	Osaka	
TKU	Takayasuyama	OSK
O shima		
ESH	Esan	
HAK	Hakodate	
HAKJ	Hakodate 2	
JKB	Kayabe	
MOR	Mori	
JYM	Yakumo	
JYM2	Yakumo 2	
Rumoi		
HAB	Haboro	
RMJ	Rumoi	
JSS	Shosan	
TOI	Tomamai	
JYG	Yagishiri	
Ryukyu Islands		
JAGN	Aguni-jima	
JAMN	Amaminishikomi	
JAM	Amami Oshima	
JOGS	Gusukube	
HATJ	Hateruma jima	
JIH	Iheya	
JIKM	Ikemajima	
JIRB	Irabujima	
IRI	Irimote jima	
IRIF	Iriomote-Funauki	
ISI	Ishigaki jima	
JIJ	Ishigaki jima 2	
JISG	Ishigakijimahirakubo	
JZK	Kikaishima	
JKC	Kuchinoerabu	
KMJ	Kume jima	
JKE	Kume jima 2	
JOW	Kunigami	
JKRS	Kuro-shima	
MWS	Mawashi	
JMZ	Minamidaito 2	
MVI	Minamidaito jima	
JMJ	Miyako jima 2	
MYK	Miyako zima	
NAGO	Nago	
NGO	Nago	
NGO1	Nago	
JNTH	Nagotoyohara	
NAH	Naha	
NAH1	Naha	
JNN	Nakanoshima	
NKE	Nake	
NZJ	Naze	
JOKE	Okinoerabujima	
JTAJ	Takarajima	
JJT	Tamagu	
JJT2	Tamagusuku 2	
TAJ	Tanegashima	
TAJ2	Tanegashima 2	
JTN	Tanegashima 3	
JTJ	Tarama	
JTK	Tokunoshima	
YKS	Yaku shima	
JYAK	Yakushimahirauchi	
YOJ	Yonaguni jima	
JYJ	Yonaguni jima 2	
JYNG	Yonagunijimakubura	
Saga		
SAG	Saga	
Saitama		
CHJJ	Chichibu	
CHJ	Chichibu	
DDR	Dodaira	
JHU	Hanno	
IWT	Iwatsuki	
KOM	Komaba	
KMG	Kumagaya	
JRY	Ryogami san	
Shiga		
AM1	Amasugawa 1	
AM2	Amasugawa 2	
AZJ	Azai	
BHOK	Bomura	
JEG	Eigenji	
HIK	Hikone	
IBU	Ibuki Yama	
KNJD	Kanaihara	
KWJ	Kawai	
OHM	Omihachiman	
ORJ	Oura	
JTG	Taga	
Shimane		
FUB	Fube	
JGT	Gotsu	
HMD	Hamada	
JHIK	Hikimi	
JNM	Ikuma	
JMD	Masuda	
MTS	Matsue	
JJO	Oda	
SAI	Saigo	
Shiribeshi		
AHS	Asahigawa	
NKS	Nakayama Pass	
JSK	Shakotan	
SUT	Suttsu	
SUT1	Suttsu	
Shizuoka		
AJI	Ajiro2	
GTN	Gotemba	
JHMK	Hamakita	
HMM	Hamamatsu	
HMMJ	Hamamatsu 2	
HDAN	Heda	
HEDN	Heda	
HRG	Hirogawara	
ITO	Ito	
JIZS	Izushimoda	
JKKG	Kakegawa	
KGW	Kakegawa	
KTJ	Kamata	
KTJJ	Kamata 2	
KWZ	Kawazu	
KOY	Koyama	
MIZN	Minamiizu	
MSKJ	Misakubo	
MIS	Mishima	
MZI	Mizumiiro	
NGT	Nagatsuro	
NRME	Naramoto	
NGHE	Neginohata	
NRY	Nirayama	
NSI	Nishiizu	
NUM	Numazu	
OKB	Okabe	
OKN	Okuno	
OMA	Omae zaki	
SGRN	Sagara	
JSG	Sagara	
SGMN	Shimogamo	
SMK	Shimokamo	
SHZ	Shizuoka	
SHZJ	Shizuoka 2	
SHZ3	Shizuoka 3	
SUS	Susaki	
TNRJ	Tenryu	
TK01	Tokai 1	
TK02	Tokai 2	
TK03	Tokai 3	
TK04	Tokai 4	
YOS	Yoshiwara	
JYZW	Yoshizawa	
Sorachi		
JAB	Ashibetsu	
JHR	Hokuryu	
Soya		
JWK2	Keihoku	
JRR	Rishiri	
JSE	Soyaes	
JWK	Wakkake-Misaki	
WAKJ	Wakkanai	
WAK	Wakkanai	
Tochigi		
JAG	Ashikaga	
JHO	Hitachi	
KKGU	Kamikuga	
JKT	Katashina	
KBH	Kobugahara	
MGJ	Motegi	
OHJ	Ohira	
JSB	Shiboa	
UTS	Utsunomiya	
UTSU	Utsunomiya	
YMZU	Yamizo	
YMZ	Yamizo	
Tokachi		
JCH	Churui	
HOO	Hiroo	
HOOJ	Hiroo 2	
MYR	Moyori	
OBI	Obihiro	
URH	Urahoro	
Tokushima		
JAI	Aioi	
INMK	Ichinomiya	
ISIK	Ishii	
KMNK	Kaminaka	
KCY	Kuchiyama	
TKS	Tokushima	
TKSJ	Tokushima 2	
TSS	Tsurugi yama	
WKJ	Wajiki	
Tokyo		
HHR	Hinohara	
HGJ	Hongo	
HNG	Hongo	
IIS	IISEE	
MTK	Mitaka	
SIN	Shinagawa	
TOK	Tokyo	
Tottori		
CZT	Chizu	
FOTD	Funaoka	
JKR	Kurayoshi	
KYTD	Kurayoshi	
SAA	Sakai	
SNTD	Shikano	
TTT	Tottori	
TOTJ	Tottori	
TOT	Tottori	
YON	Yonago	
YONJ	Yonago 2	
Toyama		
HKI	Fushiki	
KYJ	Kuroyon	
NRJ	Nirehara	
TOY	Toyama	
JTT	Ttatey	
Wakayama		
ARD	Arida	
HDK	Hidaka	
HNMJ	Hino-misaki	
KKW	Kainokawa	
KNJ	Kinomoto	KMT
KMT	Kinomoto	
KISE	Kishinomiya	
JWY	Kouya	
JWZ	Kozaga	
KMN	Kumano	
JWM	Minabe	
MTGE	Mitogawa	
OIS	Oishiyama	
OIA	Oishiyama (A)	
OIB	Oishiyama (B)	
OIC	Oishiyama (C)	
SKW	Shichikawa	
SHJ	Shiono misaki	
TDR	Todoroki	
WKU	Wakaura	
WKY	Wakayama	
WKME	Wakayama	

Code	Station Name	Other
WKYJ	Wakayama 2	
YGI	Yagi	
YAS	Yuasa	
Yamagata		
ATM	Atsumi	
JYA	Atsumi	
HRTT	Hiratsu	
JYK	Kaneyama	
JOU	Okura	
SAK	Sakata	
SKH	Sakata 2	
JYS	Shiratake	
JTB	Tobi-shima	
YAMJ	Yamagata	
YAM	Yamagata	
Yamaguchi		
JKD	Kudamatsu	
SHN1	Shimonoseki	
SHNJ	Shimonoseki 2	
SHN	Shimonoseki 3	
JTY	Toyota	
Yamanashi		
ENZ	Enzan	
FUJ	Fuji-kawa	
FUN	Funatsu	
HOKE	Hokigiyama	
ICY	Ichiyama	
KOF	Kofu	
KFU	Kofu	
KGN	Komagane	
JIZ	Nakaizu	
OKY	Okuyama	
OOM	Omiya	
JYN	Shimob	
SBJ	Shimobe	
JNT	Takato	
UMJE	Umejima	
Jawa		
SCJI	Gunung Srandil	
CTJI	Waduk Cacaban	
Jordan		
ARTJ	Al Aritein	
DRHJ	Al-Direh	
QRNJ	Al-Qirein	
SHBJ	Al Shahba	
ANJJ	Anjarah	
AQBJ	Aqaba	
ASHJ	Ashqof	
BYRJ	Bayer	
BURJ	Burma	
QTBJ	Casr Tuba	CSTJ
CSTJ	Casr Tuba	
DHLJ	Dahal	
JDRJ	Daraweish	JRDJ
JRDJ	Daraweish	
LISJ	El Lisan	
MASJ	El Maslubiya	
RUMJ	Er Rumman	
GHZJ	Ghuzeima	
HLBJ	Hallabat	
HMRJ	Hamra	
HMTJ	Hamta	
HSHJ	Hashim	
HITJ	Hittiya	
ASF	Jabal al Asfar	
JARJ	Jarash	
RSHJ	J Risha	JRSJ
JRSJ	J Risha	
KFNJ	Kafrein	
KSHJ	Kshj	
MKRJ	Makawir	
MRSJ	Marsad	
MDSJ	Mudaysisat	
MDRJ	Muduarah	
MUDJ	Muduarah	
JSOJ	Natural Resources Authority	
QTFJ	Qatafi	
QTRJ	Qatrana	
QUTJ	Qutrana	
NAQJ	Ras En-Naqb	
RUWJ	Ruweisid	
SHMJ	Saham	
SALJ	Salt	
SHWJ	Shawbak	
SULJ	Sultana	
SMAJ	Sumiya	
UNJ	University of Jordan, Amman	
WMSJ	Wadi Mousa	
GLFJ		
QRHJ		
KARJ		
Kalimantan		
PKKI	Palangkaraya	
Kaliningradskaya Oblast'		
KLNR	Kaliningrad	
Kamchatskaya Oblast'		
KZV	Kizimen	
I44RU	ROPAVLOVSK-KAMCHATSKY KY INFRASONIC ARRAY REFERENCE POINT	
TUMD	Tumrok D	
Kazakhstan		
ABKAR	Akbulak array	
AB05	Akbulak array site	
AB06	Akbulak array site	
AB02	Akbulak array site	
AB04	Akbulak array site	
AB01	Akbulak array site	
AB07	Akbulak array site	
AB09	Akbulak array site	
AB08	Akbulak array site	
AB03	Akbulak array site	
AB31	Akbulak array site	
AKB	Aktobe	
AKTK	Aktyubinsk	
AKTO	Aktyubinsk	
I31KZ	AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	
AA1	Alma-Ata	AAA
AAA	Alma-Ata	
KNDC	Almaty	
BAYK	Bayan-Aul	
BRVK	Borovoye	
BVAR	Borovoye Array Beam Reference Point	
BVA0	Borovoye Array Site A0	
BVA1	Borovoye Array Site A1	
BVA2	Borovoye Array Site A2	
BVA3	Borovoye Array Site A3	
BVA4	Borovoye Array Site A4	
BVB5	Borovoye Array Site B5	
BVB6	Borovoye Array Site B6	
BVB7	Borovoye Array Site B7	
BVB8	Borovoye Array Site B8	
BVB9	Borovoye Array Site B9	
CHL	Chilik	
TCH	Chimkent	CHM
CHM	Chimkent	
CHK9	Chkalova array site	
CHK4	Chkalova array site	
CHK8	Chkalova array site	
CHK6	Chkalova array site	
CHK7	Chkalova array site	
CHK5	Chkalova array site	
CHKZ	Chkalovo	
CHMS	Chumysh	
CHKK	Chushkaly	
FAB	Fabrichnaya	
ILI	Ili	
KKAR	Karatay Array	
KK07	Karatay Array site	
KK03	Karatay Array site	
KK31	Karatay Array site	
KK01	Karatay Array site	
KK05	Karatay Array site	
KK08	Karatay Array site	
KK09	Karatay Array site	
KK04	Karatay Array site	
KK02	Karatay Array site	
KK06	Karatay Array site	
KKL	Karkaralinsk	
KST	Kastek	
KRS	Krasnogorka	
KURK	Kurchatov	
KURBB	Kurchatov Array	
KUR01	Kurchatov Array Site 1	
KUR10	Kurchatov Array Site 10	
KUR11	Kurchatov Array Site 11	
KUR12	Kurchatov Array Site 12	
KUR13	Kurchatov Array Site 13	
KUR14	Kurchatov Array Site 14	
KUR15	Kurchatov Array Site 15	
KUR16	Kurchatov Array Site 16	
KUR17	Kurchatov Array Site 17	
KUR18	Kurchatov Array Site 18	
KUR19	Kurchatov Array Site 19	
KUR02	Kurchatov Array Site 2	
KUR20	Kurchatov Array Site 20	
KUR21	Kurchatov Array Site 21	
KUR03	Kurchatov Array Site 3	
KUR04	Kurchatov Array Site 4	
KUR05	Kurchatov Array Site 5	
KUR06	Kurchatov Array Site 6	
KUR07	Kurchatov Array Site 7	
KUR08	Kurchatov Array Site 8	
KUR09	Kurchatov Array Site 9	
KRD	Kurday	
KRM	Kurmenty	
KUU	Kurty	
MAKZ	Makanchi	
MKAR	Makanchi Array Beam Reference Point	
MK01	Makanchi Array site	
MK04	Makanchi Array site	
MK08	Makanchi Array site	
MK32	Makanchi Array site	
MK06	Makanchi Array site	
MK07	Makanchi Array site	
MK05	Makanchi Array site	
MK03	Makanchi Array site	
MK02	Makanchi Array site	
MK09	Makanchi Array site	
MK31	Makanchi Array site	
OTUK	Ortayu	
USP	Ospenovka	
PDGK	Podgornoye	
KZAG	Qyzylaghash	
SEM	Semipalatinsk	
TDK	Taldyqorghan	
AA2	Talgar	TLG
TLG	Talgar	
AAB	Talgar	TLG
DZA	Taraz	
TKMK	Tokmak	
TKM2	Tokmak 2	
TUR	Turbat	
TGN	Turgen	
VOSK	Vostochnaya	
VOS	Vostochnaya	VOSK
VOS7	Vostochnaya array site	
VOS8	Vostochnaya array site	
VOS5	Vostochnaya array site	
VOS4	Vostochnaya array site	
VOS9	Vostochnaya array site	
VOS6	Vostochnaya array site	
ZRNK	Zerenda	
ZRN9	Zerenda array site	
ZRN8	Zerenda array site	
ZRN7	Zerenda array site	
ZRN4	Zerenda array site	
ZRN6	Zerenda array site	
ZRN5	Zerenda array site	
Kemerovskaya Oblast'		
LUZB	Luzhba, Kemerovskaya Oblast', Russia	
Komi		
NUUK	Nuuk	
SYKR	Syktyvkar	
Krasnodarskiy Kray		
ERBR	Yeremizino-Borisovskaya	
Kuwait		
NAY	Al-Naaiem	
QRN	Al-Qurain	
RDF	Al-Radifah	
FKI	Failaka Island	
KBD	Kabd	
MIB	Mutribah	
UMR	Umm Al-Rimmam	
RST	Umm Al-Ruwaisat	
Kyrgyzstan		
ASAI	AK-SAY(Kyrgyzstan)	
AAK	Ala-Archa	
AML	Almayashu	
ANVS	Anan'yevo	
ARLS	Aral	
ARK	Arkit	
ARSB	Arslanbob	
BTK	Batken	
BGK	Belogorka	
BGK2	Belogorka 2	
FRU	Bishkek	
ENEL	Enilchek, Kyrgyzstan	
EKS	Erkin-Say	
EKS2	Erkin-Say	
KBK	Karagaybulak	
KZA	Kyzart	
KZAD	Kyzyl-Adyr	
MNAS	Manas	
NRN	Naryn	
OTK	Orto-Tokoy	
OHH	Osh	
PRZ	Przheval'sk	
RYB	Rybach'ye	
SFK	Sufi-Kurgan	
TARG	Taragay, Kyrgyzstan	
TRKS	Terek-Say	
UCH	Uchtor	
ULHL	Ulahol	
Lebanon		
BEYL	Beirut	
BHL	Bhannes	
DQRL	Deir Qamar	
DWR	Dweir	
FKH	Fakeheh	
HWQ	Hawqa	
KSA	Ksara	
MATL	Matarih	
NAQL	Naqoura	
QSB	Qsaybeh	
RCY	Rachaya	
Lombok		
KLNI	Mataram	
Malaysia		
Peninsular Malaysia		
DSRI	Dabo	
IPM	Ipoh	
FRIM	Kepong	
KGM	Kluang	
MYKOM	Kota Tinggi	
KLM	Kuala Lumpur	
KTMY	Kuala Trengganu	KTGM
KTGM	Kuala Trengganu	
KULM	Kulim	
Sabah		
KKM	Kota Kinabalu	
KDM	Kudat	
MYLDM	Lahad Datu	
SDKM	Sandakan	
TSM	Tawau	
Sarawak		
BTM	Bintulu	
KSM	Kuching	
SBUM	Sibu	
Maldives		
HMDM	Hanimaadhoo	
Maledives		
KAAM	Kaadhehdhoo	
Mexico		
Queretaro de Arteaga		
JRQG	Juriquilla Campus	
Mongolia		
BYO	Bayan-Olgiy	
BLGM	Bulgan	
DZD	Dalandzadgad	
EBM	Esen Bulak	
HTG	Hatgal	
HBD	Hovd	
SONM	Songino Array Beam Reference Point	
SONA0	Songino Array Site A0	
SONA1	Songino Array Site A1	
SONA2	Songino Array Site A2	
SONA3	Songino Array Site A3	
SONA4	Songino Array Site A4	
SONB1	Songino Array Site B1	
SONB3	Songino Array Site B3	
SONB4	Songino Array Site B4	
SONB5	Songino Array Site B5	
SONB2	Songino Ar. Site	
I34MN	SONGINO INFRASONIC ARRAY REFERENCE POINT	
TSC	Tosontsengel	
TTS	Tsetserleg	
ULN	Ulaanbaatar	
ULG	Ulaangom	
OBM	Ulan Bator	
Moskovskaya Oblast'		
I43RU	DUBNA INFRASONIC ARRAY REFERENCE POINT	
Myanmar		
MND	Mandalay	
RAN	Rangoon	
Nepal		
BADN	Badegauja	
BAYN	Bayana	
CHA	Chatra	
DMN	Daman	
DANN	Dangsing	
EVN	Everest	
GBAN	Gaibana	
GJRN	Ganjari	
GNKN	Gaynekanda	
GHAN	Ghanteswor	
GKN	Gorkha	
GUN	Gumba	
HARN	Harre	
JIRN	Jiri	
KKN	Kakani	
KOLN	Koldanda	
LGAT	Lohaghat	
MEGN	Megha	
ODAN	Odare	
PKIN	Phulchoki	
PYUN	Piuthan	
PKI	Pulchoki	
PUSN	Pusma	
RAMN	Ramite	
TAPN	Taplejung	
North Korea		
PYO	Pyongyang	
Novosibirskaya Oblast'		
BSTK	Bystrovka, Novosibirskaya Oblast', Russia	
Oman		
ARQ	Araqi	
ASHO	Ashiyiah	
ABTO	Aybut	
BANOM	Banah	
BIDO	Bidbid	
BSYO	Bisya	
BSY	Bisya	
HOQ	Hoqain	
JMDO	Jabal Madar	
KTMO	Khatum	
QHRO	Qairoon Hariti	
RBK	Rabkut	
SMDO	Samad	
SHAO	Shalim	
WBK	Wadi Bani Khalid	
WHFO	Wadi Hawf	
WSAR	Wadi Sarin	
Pakistan		
AMP	Ambar	
BGP	Bagra	
CBP	Campbellpur	
CKP	Chanarkot	
CPA	Chapri	
CEP	Cherat	
CHCP	Chirah Chowk	
DBP	Darband	
DRP	Derazinda	
KAR	Karachi	
KIA	Kiara Terrace	
LAH	Lahore	
MNL	Mangla	
NTP	Nathian	
NIL	Nilore	
PAK0	Pari Array Site 0	
PES	Peshawar	
PSH	Peshawar	
QIB	Qibla Bandi	
QUE	Quetta	
RBH	Right Bank House--Pihur	
SAD	Saidpur	
SARP	Sargodha	
SBDP	Sheikh Budin	
SIP	Shinkiari	
SWR	Swabi-Maira	
TRB	Tarbela	
THW	Thamme Wali	
UOSS	Wadi Hilu	
WRS	Warsak Dam	
Papua New Guinea		
Admiralty Islands		
MOM	Momote	
Bougainville		
KOA	Kobuan	
BGA	Mount Bagana	
PAA	Panguna	
D'Entrecasteaux Islands		
BDO	Budoia	
ESB	Esa-ala	
ESA	Esa-ala	
LOSU	Losuia	
WDIS	Woodlark Island	
New Britain		
PGBAU	Baubata	
BIAL	Bialla	
BOI	Boisen	
CGA	Cape Gloucester Airport	
DOY	Duke of York Island	
DAW	Hoskins	
PGKAI	Kaiamu	
KET	Keravat	
KRT	Keravat	
KCM	Kilenge	
KMBE	Kimbe	
KMB	Kimbe	
LAG	Langila	
PGMAR	Marapu	
MIP	Matupit	
MPT	Matupit Island	
EVZ	Mount Varzin	
NIS	Nissan Island	
PNB	Pomio	
RAL	Rabalanakaia	
RAB	Rabaul	
ERB	Rabaul (IGS)	
RPT	Raluana Point	
RAP	Rapindik	
ESM	Semalu	
SUL	Sulphur Creek	
TLS	Talasea	
TKA	Tanaka	
TAV	Tavurvur	
ETV	Tovanakuss	
ULO	Ulamona	
ULA	Ulamona	
VUL	Vulcan	
WAN	Wanliss Street	
EWT	Watom Island	
WITU	Witu Islands	
New Ireland		
EDY	Kabakon Island	
KAV	Kavieng	
KVG	Kavieng	
EKN	Konogogo	
ELB	Lambom Island	
LHIS	Lihir Island	
AGE	Agenahambo	

Code	Station Name	Other
AITP	Aitape	
ALOA	Alotau	
ALOT	Alotau	
BLLO	Bulolo	
DNG	Daru	
FINC	Finschhafen	
GRK	Goroka	
GRK1	Goroka	
GKA	Goroka	
KIAM	Kaiam	
KKI	Karkar Island	
KRG	Kerema	
KDB	Konedobu	
KPN	Kupiano	
KUPN	Kupiano	
KUTA	Kuta	
LAE	Lae	
LAT	Lae	
LML	Lae--Mount Lunaman	
LKW	Lake Wisdom	
LMG	Lamington	
MAD	Madang	
MDG	Madang	
MANU	Manus Island	
MNDI	Mendi	
MCAS	Mount Castle	
NADZ	Nadzab	
NAMA	Namatanai	
PIAM	Paiam	
PDUI	Pindiu	
POP	Popondetta	
PMG	Port Moresby	
PUR	Purari	
RABL	Rabaul	
SRPI	Serui, Papua	
TBL	Tabele	
TZZ	Tabubil	
OKTD	Tabubil	
TPN	Tapini	
WAB	Wabag	
WAA	Waris	
WAU	Wau	
WWW	Wewak	
WEK	Wewak	
WEW	Wewak	
WWKK	Wewakk	
YAN	Yangoru	
YYYY	Yonkie	
	Philippines	
	Batan Islands	
BAP*	Basco	
BBP	Basco	
	Cebu	
CCP	Cebu City	
LLP	Lapu-Lapu	
MAP	Mactan	
TBP	Tagbilaran	
	Leyte	
MSLP	Maasin	
OCLP	Ormoc	
PLP	Palo	
	Luzon	
AMB	Ambulong	
ARP	Angono	
BAF*	Baguio	
BAG	Baguio City	
BCP	Baguio City	
BCPH	Baguio City Dairy Farm	
BWP	Baguio Weather Station	
BALP	Baler	
BNP	Banawang	
BTP	Batelco	
NZB	Bigte	
BOAC	Boac	
BOLP	Bolinao	
VBU	Buco	
VBN	Bulusan	
CVP	Callao Caves	
CAUP	Cauayan	
APYP	Conner	
ABRA	Dolores	
INF	Infanta	
LEG	Legaspi	
LGP	Legaspi	
VLH	Lignon Hill	
LYP	Liyang	
LBPH	Los Banos	
LQP	Lukban	
MAN	Manila	
MMPH	Masbate	
MATI	Mati	
VMR	Mayon Resthouse	
VMS	Misericordia	
MNP	Morong	
NBP	Mount Natib	
MSP	Mount Santo Tomas	
SGCP	Mt. Cagua	
OTPR	Odiongan	
PALP	Palanan	
PCPH	Palayan	
PEP	Pantabangan	
PIP	Pasuquin	
PINP	Pinatubo--East Slope	
VPP	Pira-Piraso	
POLP	Polilio Island	
PAZ	Puerto Azul	
QAD	Quadrado	
QCP	Quezon City	
QVPH	Quezon City--PHIVOLCS	
QVP	Quezon City--PHIVOLCS	
AUQP	San Andres	
SBPH	San Jose del Monte	
SZP	Santa	
SCZP	Santa Cruz	
SBP	Subic Bay	
CALP	Taal Volcano	
TGY	Tagaytay City	
TAY	Tayabas	
TQP	Tayabas	TAY
TLP	Tuguegarao	
UMS	Upper Santa Misericordia	
PVCP	Virac	
LUK		
	Mindanao	
BIPH	Bislig	
BIP	Bislig	
BTN	Butuan	
BUTP	Butuan	
CGP	Cagayan de Oro	
OMP	Cagayan Oro	CGP
CTB	Cotabato	
CTBH	Cotabato--PC Hill	
DAP	Davao	
DMPH	Davao City--Mintal	
DAV	Davao City (W)	
DWP	Davao Weather Station	
DIP	Dipolog	
DCPH	Dipolog City	
GTP	General Santos	
GSPH	General Santos City	
VHH	Hibok Hibok	
IPIL	Ipil	
KCP	Kidapawan	
MAM	Mambajao	
MPP	Mount Pasian	
BUKP	Musuan	
PAGZ	Pagadian	
PPH	Pasian Peak	
SGSI	Sangihe	
SNPH	Sibulan	
SCPH	Surigao	
ZMP	Zamboanga	
ZMPH	Zamboanga City	
	Mindoro	
ABP	Abra de Ilog	
LUBP	Lubang	
PGP	Puerto Galera	
SJMP	San Jose	
	Negros	
VCB	Cabagna-an	
VCN	Canlaon	
	Palawan	
BATP	Bataraza	
BUSP	Coron	
CUYO	Cuyo Island	
ENPP	El Nido	
PPR	Puerto Princesa	
	Panay	
AAP	Anini-y	
ILO	Iloilo	
GUIM	Jordan	
KALP	Kalibo	
OTRP	Odiongan	
PAP	Pandan	
PDP	Pandan	
RCP	Roxas	
SIPH	Barangay Tapao	
SIPP	Brgy, Tapao	
GQP	Guinayangan	
SHMP	Susana Heights	
	Samar	
BESP	Borongan	
CNP	Catarman	
	Primorskiy Kray	
MSHR	Mys Shultsa	
I45RU	USSURIYSK INFRASONIC ARRAY REFERENCE POINT	
	Russia	
	Altayskiy Kray	
AKAR	Aktash	
ARDR	Aradan	
ARTR	Artybash	
CUR	Chagan-Uzun	
ELDR	Elanda	
KTNR	Kaitanak	
TUNR	Tungur	
UKR	Ust'-Kan	
ELT	Yel'tsovka	
ZAL	Zalesovo	
ZAA0	Zalesovo Array Site A0	
ZAA1	Zalesovo Array Site A1	
ZAA2	Zalesovo Array Site A2	
ZAA3	Zalesovo Array Site A3	
ZAB1	Zalesovo Array Site B1	
ZAB2	Zalesovo Array Site B2	
ZAB3	Zalesovo Array Site B3	
ZAB4	Zalesovo Array Site B4	
ZAB5	Zalesovo Array Site B5	
ZALV	Zalesovo Beam	
	Amurskaya Oblast'	
BMKR	Bomnak	
KROS	Kirovskiy	
TUG	Tungurcha	
USZ	Ust'-Nyukzha	
YASR	Yasnyy	
ZEA	Zeya	
	Arkangel'skaya Oblast'	
PRGR	Permogore	
	Arkhangel'skaya Oblast'	
AMD	Amderma	
KHE	Kheis	
KLMR	Klimovskoe	
TMCR	Tamitsa	
	Bashkortostan	
UFA	Ufa	
	Buryatiya	
ALL	Alla	
ALLA	Alla	ALL
BTMB	Babushkin	
BGZ	Barguzin	
BDN	Bodon	
FFNB	Fofonovo	
KAB	Kabansk	
KPC	Khapcheranga	
HRMR	Khuramsha	
KELR	Kotokel	
KVO	Kovokta	
KUM*	Kumora	KMO
KMO	Kumora	
KYA	Kyakhta	
MXMB	Maximikha	
MOY	Mondy	
NLY	Nelyaty	
NIZ	Nizh Angarsk	
ORA	Oran	
ORL	Orlik	
OZE	Ozernaya	
SVKR	Severomuysk	
SVK	Severo-Muysk	
STDB	Stepnoy Dvorets	
SYVR	Suvo	
TNL	Tonnelnyy	
ZIP	Tsipikan	
TRTB	Turuntaevo	
UKT	Uakit	
UUDB	Ulan-Yde	
YLYR	Ulyunkhan	
YOA	Uoyan	
ZAK	Zakamensk	
ZRHB	Zarechye	
	Chechnya	
GRO	Groznyy	
	Chitinskaya Oblast'	
CIT	Chita	
NLYR	Nelyaty	
SRK	Sredniy Kalar	
TUP	Tupik	
	Dagestan	
AKT	Akhty	
ARKR	Arakani	
BTLR	Botlikh	
BUJR	Buynaksk	
DRN	Derbent	
DBC	Dubki	
DLMR	Dylym	
GNBR	Gunib	
KRNR	Karanay	
KSMR	Kasumkent	
XNZR	Khunzakh	
KMKR	Kumukh	
MAK	Makhachkala	
MNSR	Manas	
SGKR	Sergokala	
UKTR	Uchkent	
UNCR	Uncukul	
URKR	Urkarakh	
	Irkutskaya Oblast'	
ARS	Arshan	
BAY	Bayanday	
BOD	Bodaibo	
CRS	Chara	
IRK	Irkutsk	
LSTR	Listvyanka	
OGRR	Ongureny	
SOL	Solontsovaya	
TLY	Talaya	
TRG	Tyrgan	
	Kaliningradskaya Oblast'	
KNG	Konigsberg	
	Kaluzhskaya Oblast'	
OBN	Obninsk	
	Kamchatskaya Oblast'	
ALID	Alaid	
APC	Apacha	
APN	Apakhonchich	
KRX	Arik	
ASAK	Asacha	
AVH	Avacha	
BDR	Baidarnaya	
BKI	Bering	
BZMR	Bezymyannaya	
BZGR	Bezymyannyi-Griva	
BZWR	Bezymyannyi-West	
BLCS	Bulochka	
DALK	Dalny	
ESO	Esso	
GNL	Ganaly	
GRL	Gorelyy	
INSR	Institute	
KMNR	Kamenistaya	
KMSK	Kamenskaya	
KAMR	Kamenskoye	
KRMR	Karymshinskiy	
KII	Karymskiy	
KIRR	Kirishev	
KLY	Klyuchi	
KPT	Kopyto	
KOK	Koryaka	
KRER	Koryakskii	
KZL	Kozel'skiy	
KOZR	Kozyr	
KOZ*	Kozyr	KOZR
KOZ	Kozyrevsk	
KRSR	Krestovskiy	
KRN	Kronoki	
KBG	Krutoberegovo	
KBTR	Krutoberegovo 1	
LGNR	Loginova	
MIPR	Malaya Ipel'ka	
MTVR	Mutnovka	
MKZ	Mys Kozlova	
SPN	Mys Shipunski	
NLC	Nalytchevo	
OSSR	Ossora	
PALN	Palana	
PAU	Pauzhetka	
PET	Petropavlovsk	
PEA0B	opavlovsk-Kamchatskiy kiy Array site AOB	
PETK	opavlovsk-Kamchatskiy kiy Array site P	
PES2	opavlovsk-Kamchatskiy kiy Array site S2	
PDK	Podkova	
RUS	Russkaya	
SDLR	Sedlovina	
SMKR	Semkarok	
SEL	Semlyachik	
SVLR	Shiveluch	
SMAR	Somma	
SRKR	Sorokina	
SRDR	Sredinnyy	
TILR	Tilichiki	
TILK	Tilichiki	
TOP	Topolovo	
CIRR	Tsirk	
TUMR	Tumrok	
UGLR	Uglovaya	
ZLN	Zelenaya	
	Karel'skaya	
LVZ	Lovozero	
	Kemerovskaya Oblast'	
BRCR	Berchikul'	
KEM	Kemerovo	
TASR	Tashtagol	
VEH	Verkhnyaya Baza	
	Khabarovskiy Kray	
EKMR	Ekimchan	
GRNR	Gornyy	
KHBR	Khabarovsk	
HABR	Khabarovsk	
NKL	Nikolayevsk	
OKHT	Okhotsk	
OHTR	Okhotsk	
URG	Urgal	
	Khakassia	
CERR	Cheremushki	
	Khanty-Mansi Autonomous Okrug	
BYAR	Belyy Yar	
HMA	Khanty-Mansiysk	
SKZ	Skazka	
	Kirovskaya Oblast'	
KIRV	Kirov	
	Krasnodarskiy Kray	
ANN	Anapa	
GYMZ	Gyumri	
KPR	KrasnayaPolyana	
KGUR	Krasnodar	
SOC	Sochi	
	Krasnoyarskiy Kray	
ABNR	Abakan	
BLRR	Bol'shaya Rechka	
DVG	Divnogorsk	
HVS	Khovu-Aksy	
KDN	Kodinsk	
KRAR	Krasnoyarsk	
KTRR	Kuturchin	
KZLR	Kyzyl	
MINR	Mina	
NRI	Noril'sk	
NRIK	Noril'sk	
NRIL	Noril'sk	
NRIS	Noril'sk	
ORHR	Oreshnoe	
ORY	Orie	
SHRR	Shira	
TBTR	Tabat	
TBRR	Tiberkul'	
ZLNR	Zelenogorsk	
	Leningradskaya Oblast'	
PUL	Pulkovo	
NE51	Saint Petersburg	
LNN	Saint Petersburg	
VYB	Vyborg	
	Magadanskaya Oblast'	
ANDR	Anadyr'	
BILL	Bilibino	
CES	Cherskiy	
DBI	Debin	
EVNR	Evensk	
EVEN	Evensk	
ILT	Iul'tin	
GOLD	Kubaka	
MAG	Magadan	
MA2	Magadan	
MGD	Magadan 1	
OCHR	Omchak	
OMS	Omsukchan	
PROV	Provideniya	
SEY	Seymchan	
SNGR	Sinegor'e	
SUUS	Susuman	
TLAR	Talaya	
USO	Ust'-Omchug	
	Moskovskaya Oblast'	
KUC	Kucino	
MHV	Michnevo	
MOS	Moscow	
	Murmanskaya Oblast'	
APA	Apatity	
APAES	Apatity Array Beam Reference Point	
APA0	Apatity Array Site A0	
APA1	Apatity Array Site A1	
APA2	Apatity Array Site A2	
APA3	Apatity Array Site A3	
APB1	Apatity Array Site B1	
APB2	Apatity Array Site B2	
APB3	Apatity Array Site B3	
APB4	Apatity Array Site B4	
APB5	Apatity Array Site B5	
APZ9	Apatity Array Site Z9	
	Nizhegorodskaya Oblast'	
PECR	Pechory	
	Novosibirskaya Oblast'	
NVS	Novosibirsk	
	Orenburgskaya Oblast'	
ORR	Orenburg	
	Permskiy Kray	
PR1R	Pomanovo	
SOKR	Solikamsk	
	Primorskiy Kray	
GRTR	Gornotajezhnoje	
TEY	Ternei	
USRK	Ussuriysk Array	
USK	Ussuryisk	
VLA	Vladivostok	
	Pskovskaya Oblast'	
NE52	Pskov	
BEYR	Belyy Ugol+	
GROC	Groznyy	
NCK	Nalchik	
NEY	Neytrino	
PEA0	opavlovsk-Kamchatskiy kiy Array Site A0	
PEA1	opavlovsk-Kamchatskiy kiy Array Site A1	
PEA2	opavlovsk-Kamchatskiy kiy Array Site A2	
PEA3	opavlovsk-Kamchatskiy kiy Array Site A3	
PEB1	opavlovsk-Kamchatskiy kiy Array Site B1	
PEB2	opavlovsk-Kamchatskiy kiy Array Site B2	
PEB3	opavlovsk-Kamchatskiy kiy Array Site B3	
PEB4	opavlovsk-Kamchatskiy kiy Array Site B4	
PEB5	opavlovsk-Kamchatskiy kiy Array Site B5	
PYA1	Pyatigorsk	
	Sakha	
ALDR	Aldan	
ATKR	Artyk	
BTGS	Batagay	
CGD	Chagda	
CLNS	Chul'man	
DEPR	Deputatskiy	
IENR	Iengra	
KHG	Khandyga	
KHNR	Khani	
KHN	Khani	
MOMR	Moma	
NRGR	Nerungri	
PDY	Peleduy	
PDYAR	Peleduy Array Beam Reference Point	

Code	*Station Name*	*Other*
PDY31	Peleduy Array Site 31	
TBGR	Tabaga	
TIK	Tiksi	
TIXI	Tiksi	
TNDR	Tynda	
USMR	Ust'-Maya	
UNR	Ust'-Nera	
VTMR	Vitim	
YAK	Yakutsk	
YKLR	Yuktali	
Sakhalinskaya Oblast'		
ESU	Esutoru	
GOY	Gornyy	
KOS	Kosmodemyansk	
KUR	Kuril'sk	
LES	Lesozavodsk	
MLK*	Malo-Kuril'sk	
MAU	Matua	
OKH	Okha	
OOT	Ootomari	
OTI	Otiai	
REI	Reidovoe	
SKR	Severo-Kuril'sk	
SKT*	Shikotan	SHO
SHO	Shikotan	
SKK	Sikka	
SIU	Simushir	
TYV	Tymovskoe	
UGL	Uglegorsk	
YUK	Yuzh-Kuril'sk	
YSS	Yuzh-Sakhalinsk	
Saratovskaya Oblast'		
SARR	Saratov	
Severo-Osetinskaya		
ARNR	Ardon	
BTKR	Batakoyurt	
DIGR	Digorskoe uzhel'e	
KMSR	Komsomolskaya	
KORR	Kora	
LACR	Lac	
LSNR	Lesken	
PRTR	Priterechnaya	
STDR	Stavd-Durt	
SNJR	Sundja	
TRKR	Terskaya	
ZEI	Tsey	
VLKR	Vladikavkaz	
Stavropol'skiy Kray		
DOMR	Dombai	
GOF	Gofitskoye	
GUMR	Gum-Bashi	
KBZ	Khabaz	
KIV	Kislovodsk	
KVAR	Kislovodsk Array Beam Reference Point	
KIV0	Kislovodsk Array Site 0	KVAR
KIV1	Kislovodsk Array Site 1	
KIV2	Kislovodsk Array Site 2	
KIV3	Kislovodsk Array Site 3	
KUBR	Kubataba	
NAGR	Nagutskaya	
PYA	Pyatigorsk	
SHAR	Shatzhatmas	
STRR	Strizhament	
Sverdlovskaya Oblast'		
ARU	Arti	
SVE	Sverdlovsk	
Tyva		
ERNS	Erzin	
TEL	Teeli	
TDJR	Todzha	
UER	Ust'-Elegest	
Voronezhskaya Oblast'		
VORD	Divnogorie	
VRHR	Novokhopersk	
VSR	Storozhevoye	
VRSR	Storozhevoye	
VOR	Voronezh	
Yevreyskaya Avtonomnaya Oblast'		
KLR	Kul'dur	
Sakhalinskaya Oblast'		
KHLM	Kholmsk	
NEVR	Nevel'sk	
OSMR	Ostromysovka	
Saudi Arabia		
ABHA	Abha	
ABAR	Abu 'Arish	
AFIF	Afif	
AFFS	'Afif	
BADA	Al Bad'	
BDAS	Al Bad'	
HWYS	Al Hawiyah	
KAMS	Al Khamasin	
LTHS	Al Lith	
LITH	Al Lith	
MJMA	Al Majma'ah	
SHRA	Al Sharaya	
SODA	Al Sooda	
AYN	Al'Uyaynah	
WAJH	Al Wajh	
NAMS	An Nimas	
ARSS	Ar Rass	
RAYN	Ar Rayn	
TAIF	At Ta'if	
AYUS	'Aynunah	
BARA	Bahrah	
BHRA	Bahrah	
BLJS	Baljurashi	
BIDS	Bi'r al Bayda'	
BMSH	Bir Mashi	
BISH	Bishah	
DHR	Dhahran	
DHJN	Dharan Janob	
DBAS	Duba	
FRAS	Faraa	
FRSS	Farasan al Kabir	
HKNS	Hadbat Hakran	
HILS	Ha'il	
HQL	Haql	
HAQS	Haql	
ALWS	Ilw as Safayhah	
JMOS	Jabal al Moallq	
FRJS	Jabal Farasan	
LBNS	Jabal Laban	
JMQS	Jabal Moqyreh	
JIZN	Jizan	
JAZS	Jizan	
KMSA	Khamasin	
KMTA	Khamis Mushayt	
KMTU	Khamis Mushayt	KMTA
KBRS	Khaybar	
MADS	Madsous	
MKNA	Makna	
MYKS	Mirrayikh	
MZLS	Mizel	
MOHS	Muhayil	
NAJS	Najran	
BODY	Near Bada	
MATS	Near Sharaf	
QASM	Qassim	
QURS	Qurayyt al Milh	
RNYS	Ranyah	
RYD	Riyadh	
RYDS	Riyadh	
SRAT	Sarat Abidah	
SHRF	Sharaf	
SRFA	Sharaf	
SALT	Sultana	
TBKS	Tabuk	
TAF1	Taif	
TATS	Tathlith	
TAYS	Tayyib Ism	
UMJS	Umm Lajj	
UQSK	'Uqlat as Suqur	
WBHS	Wadi 'Ibn Hashbal	
HASS	Wahat al Ahsa'	
WASL	Wasel	
YNBS	Yanbu' al Bahr	
DJNS	Zahran al Janub	
DARB		
HRDDS		
LYLS		
SLWS		
FDAS		
SHBS		
BOQSS		
ASYS		
SHMS		
KFJS		
WJHS		
RSHS		
JLOS		
HQLS		
YOBS		
BTHS		
Severo-Osetinskaya		
KMGR	Komgaron	
Singapore		
BTDF	Bukit Timah Dairy	
SING	Singapore	
South Korea		
KSADO	Andong	
KSAND	Andong	
KSANM	Anmyeondo	
KSBAR	Backryungdo	
KSBRD	Baengnyeongdo	
KSBON	Boeun	
KSCHY	BONGHWA	
KSPOR	Boryeong	
KSPUA	Buan	
KSBUS	Busan	
KSBSA	Busan_acc	
KSBUY	BUYEO	
KSCHR	CHANGNYEONG	
KSCEA	Cheonan	
KSCEJ	CHEONGJU	
KSCHS	CHEONGSONG	
KSCWO	Cheorwon	
KSCHW	Cheorwon	
KSCIG	Chilgok	
KSCHC	Chuncheon	
KSCHJ	Chungju	
KSCPN	Chupungnyeong	
KSCPR	CHUPUNGNYEONG	
KSDAG	Daegu	
KSDGY	Daegwallycong	
KSTEJ	Daejeon	
KSDAU	Deagu-acc	
KSDEI	Deokjeokdo	
KSDDC	Dongducheon	
KSTOH	DONGHAE	
KSGAH	Ganghwa	
KSKAN	Gangneung	
KSGSG	Gangseo	
KSKUC	Geochang	
KSKCH	Geochang	
KSGIC	Gimchen	
KSKOH	Goheung	
KSKOJ	Gongju	
KSGOS	Gosan	
KSGUM	GUMI	
KSKUS	Gunsan	
KSGUS	GUNSAN	
KSKWJ	Gwangju	
KSGWJ	Gwangju-acc	
KSGBI	Gyogryolbido	
KSHAD	HADONG	
KSHAN	Haenam	
KSHAC	HAPCHEON	
KSHUK	Heuksando	
KSICN	Icheon	
KSIMS	Imsil	
KSINC	Incheon	
INC	Inchon	
INCN	Inchon	
KSIJA	INJE	
KSJAH	Jangheung	
KSJAS	Jangsu	
KSJEC	Jecheon	
KSJJU	Jeju	
KSJEU	Jeongeup	
KSJES	JEONGSEON	
KSCHO	Jeonju	
KSJEO	Jeonju	
KSJDO	Jindo	
KSJIN	Jinju	
KSCHI	Jinju	
KSJMJ	Jumunjin	
KSJUR	Jungrangju	
KSKMS	Keumsan	
KOHB	KOHEUNG	
KSRS	Korea Array	
KSMAS	Masan	
KSMIY	MIRYANG	
KSMOP	Mokpo	
KSMOK	Mokpo	
KSMUG	Mungyeong	
KSMGY	Mungyeong	
KSMUS	Musan	
KSNAJ	Naju	
KSNAH	Namhae	
KSNAW	Namwon	
KSNOW	Nowan	
PHN	Pohang	
KSPHA	Pohang	
KSPOH	Pohang	
PUS	Pusan	
KSPYC	Pyeongchang	
KSGWL	Sabuk	
KSSAC	SANCHEONG	
KSSAJ	Sangju	
KSSGP	Seogwipo	
SEHB	SEOHWA	
KSSSP	Seongsanpo	
KSSES	Seosan	
SEO	Seoul	
KSSEO	Seoul	
KSSOC	Sokcho	
KSSKC	Sokcho	
KSSOD	Songwoldong	
KSSCH	SUNCHEON	
KSSWO	Suwon	
SYU	Syuhurei	
KSTBA	Taebaek	
TAE	Taegu	
TJN	Taejon	
KSTOY	TONGYEONG	
KSULJ	Uljin	
UJN	ULJIN	
KSULL	Ulleungdo	
UL1	ULLUNGDO	
KSUSN	Ulsan	
KSULS	Ulsan	
KSEUS	ULSEONG	
KSWAN	Wando	
KSWJU	Wonju	
KSWON	Wonju	
KSAR	Wonju Array Beam Reference Point	
KS01	Wonju Array Site 1	
KS10	Wonju Array Site 10	
KS11	Wonju Array Site 11	
KS12	Wonju Array Site 12	
KS13	Wonju Array Site 13	
KS14	Wonju Array Site 14	
KS16	Wonju Array Site 16	
KS17	Wonju Array Site 17	
KS18	Wonju Array Site 18	
KS19	Wonju Array Site 19	
KS02	Wonju Array Site 2	
KS03	Wonju Array Site 3	
KS32	Wonju Array Site 32	
KS33	Wonju Array Site 33	
KS34	Wonju Array Site 34	
KS35	Wonju Array Site 35	
KS36	Wonju Array Site 36	
KS37	Wonju Array Site 37	
KS04	Wonju Array Site 4	
KS05	Wonju Array Site 5	
KS06	Wonju Array Site 6	
KS07	Wonju Array Site 7	
KS08	Wonju Array Site 8	
KS09	Wonju Array Site 9	
KS15	Wonju Array Sites 15 and 31	
KSYAP	YANGPYEONG	
KSYCH	Yecheon	
YNCB	YEONCHEON	
KSYOC	YEONGCHEON	
KSYOD	Yeongdeok	
KSYOJ	YEONGJU	
KSYOW	Yeongwol	
KSYOS	Yeosu	
KSYSU	YEOSU	
YJD	YOUNGJONGDO	
Spratly Islands		
KIPH	Kalayaan	
Sri Lanka		
COC	Colombo	
PALK	Pallekele	
Stavropol'skiy Kray		
SHA1	Shidzhatmaz	
Sulawesi		
PMSI	Majene	
Sumatera		
LASI	Langsa, Aceh	
MLSI	Meulaboh, Aceh	
UBSI	University, Bengkulu	
Sumba		
DBNI	Kabupaten Dompu	
Syria		
KOOC	Abou Kooc	
RABH	Abou Rabah	
ARNB	Al Arnab	
BSHR	Al Beshri	
BIDA	Albida	
JHLN	Al Jahlan	
MZRK	Al-Mazaregh	
MNKR	ALMNKUR	
SLMH	Al Salmeh	
WHAB	Al Wahab	
BDRN	Badran	
BRBR	Barbar	
BTCH	Batrach	
DUSS	Damascus University	
DRBT	Darb Altahta	
DRWC	Darouich	
HAWK	Haweek	
KBSD	Kabsdagh	
KSRV	Kasrt alli	
KFRA	Kufra	
QASN	Qassioun	
MARH	Ras Al Marh	
SALA	Sala	
SLNF	Slenfeh	
SFNV	Sufian	
TCHB	Talchebab	
ROOS	tl_alroos	
TOTH	TOTAH	
WRDH	Warideh	
ZALF	Zalf	
Taiwan region		
ALS	Alishan	
ANP	Anpu	
EAST	Anshuo	
BGSB	Baguashan	
WCH	Changhua City	
CHKT	Chengkung	
TWY	Chenhua	
TWD	Chiawan	
CHY	Chiayi	
TSCK	Chigu Township	
KNMB	Chin-men Tao	
CHN6	CHN6	
TWR	Chutung	
WDT	Danda	
WDL	Douliou City	
WDGT	Dungji	
TWDS	Dungshr Township	
SCZT	Fangliau	
TWE*	Feng-lin	
ETL	Fush Village	
WGK	Gukeng	
TNGL	Gungliau Township	
WHF	Hehuan Shan	
EHC	Hejung	
TSEB	Hengchuen, Pingtung county	
TWK1	Hengchun	
HEN	Hengchun	
EHP	Heping Village	
WLCT	Hsiaoliuchiu	
TWP	Hsiaoliuchiu	
HSN	Hsinchu	
SGK	Hsinkong	HSI
HSI	Hsinkong	
TWK	Hsinying	
HWAP	Hualien Port	
EHY	Hungye	
HWA	Hwalien	
YLA	Ilan	ILA
ILA	Ilan	
SCLT	Jiali	
EGA	Jian Township	
SGST	Jiashian	
TEGC	Jichi Village	
SGLT	Jiouru	
KAU	Kaohsiung	
KAUP	Kaohsiung Port	
KLUP	Keelung Port	
KNM	Kinmen	
TWS1	Kuangyinshan	
TWX	Kuosheng	
TWI	Lanshu	
LAY	Lan-yu	
LYUB	Lan-yu	
ELDTW	Lidau	
CHN7	Lioujiau	
TWQ1	Liyutan	
TWH	Lutao	
MTST	Matsu	
MATB	Ma-tsu	
TWO1	Meishan	
TWO	Meishan	
NML	Miaoli City	
WNT	Mingjian	
CHN2	Minshiung	
TWA	Mucha	
ENA	Nanau	
NSTT	Nanjuang	
NNS	Nan Shan	
CHN1	Nanshi	
NCU	National Central University	
TNOU	National Taiwan Ocean University, Keelung City	
TWE	Neicheng	
TWZ	Neifu	
NACB	Ninganchiao	
ENTT	Nioudou	
PCYT	Pengchaiyu	
PNG	Penghu	
PHUB	P'eng-hu	
TSPT	Pingtung City	
TWG	Pinlang	
WPL	Puli Township	
SSD	Sandimen	
NSK	Sanguang	
TWB1	Santiao Chiao	
NSY	Sanyi	
ESL	Shilin	
TNSD	Shindian Village	
CHN3	Shinhua	
ESF	Shoufeng Township	
TWM1	Shoushan	
TWM	Shoushan	
SSLB	Suanglung	
TWC	Suao	
TWCP	Suao Port	
SMLT	Sun Moon Lake	
WSF	Szhu	
WTCT	Ta-ch'eng	
TWT	Tachien	
TCU	Taichung	
TCUP	Taichung Port	
ECL	Taimali	
TAI	Tainan	
TAI2	Tainan City	
TAP	Taipei	
TAP1	Taipei	
TATO	Taipei	
TTN	Taitung	
WTP	Ta-pu	
TPUB	Ta-pu	
STYT	Tauyuan	
TAW	Tawu	
TWJ1	Tawu	
TDCB	Techi	
CHN5	Tsauling	
CHN4	Tsaushan	
TWQ	Tungshih	
NWF	Wu-fen Shan	
WFSB	Wu-fen Shan	
TWU	Wulai	
TEYL	Yanliau Village	
YHNB	Yeheng	
CHN8	Yiju	
WYL	Yuanlin Township	
TYC	Yuchr	

Code	Station Name	Other
TWF1	Yuli	
TWF	Yuli	
YULB	Yu-li	
TAI1	Yung-k'ang	
YUS	Yu-Shan	
EGS		
Tajikistan		
AKUL	Akkuyli	
BLD	Baljuvan	
BZN	Bogi-Zagon	
CHLD	Childara	
CSD	Chor-Sady	
CGT	Chuian-Garon	
CHS	Chusal	
DSH	Dushanbe	
DZH	Dzhafr	
DZET	Dzherino	
DZE	Dzherino	
DZT	Dzhirgatal'	
GAM	Garm	GAR
GAR	Garm	
GEZ	Gezan	
GIS	Gissar	
IGR	Igron	
ISH	Ishtion	
KFTR	Kaftarguzar	
KLD	Kalaidasht	
KNR	Kangurt	
KRU	Karasu	
KHAT	Khait	
KHO	Khorog	
KHR	Khorongon	
KHUM	Khumson	
KOMA	Komarou	
KOMS	Komsomolabad	
KUL	Kulyab	
KYZD	Kyzyldzhar	
LNA	Lyangar	
MUR	Murgab	
MUS	Muskinabad	
NRK	Nurek	
OBG	Obi Garm	
PSV	Pishtovo	
RGR	Regar	
REG*	Regar	RGR
RAG	Roghun	
SNGI	Sangi-Kar	
SAT	Sang-Tuda	
SGZ	Semigandzh	
SHTS	Shaartuz	
SMT	Sultan-Mazar	
TDT	Tavil'dara	
URT	Ura-Tyube	
YAT	Yaldymych	
ZIM	Zimchurud	
Thailand		
BDT	Bhumibol Dam	
CHAT	Chantaburi	
CHBT	CHBT	
CHG	Chiang Mai	CHTO
CMMT	Chiang Mai	
CHTO	Chiang Mai	
CMAR	Chiang Mai Array Beam Reference Point	
CM01	Chiang Mai Array Site 1	
CM10	Chiang Mai Array Site 10	
CM11	Chiang Mai Array Site 11	
CM12	Chiang Mai Array Site 12	
CM13	Chiang Mai Array Site 13	
CM14	Chiang Mai Array Site 14	
CM15	Chiang Mai Array Site 15	
CM16	Chiang Mai Array Site 16	CMAR
CM17	Chiang Mai Array Site 17	
CM18	Chiang Mai Array Site 18	
CM02	Chiang Mai Array Site 2	
CM03	Chiang Mai Array Site 3	
CM31	Chiang Mai Array Site 31	
CM32	Chiang Mai Array Site 32	
CM33	Chiang Mai Array Site 33	
CM34	Chiang Mai Array Site 34	
CM35	Chiang Mai Array Site 35	
CM36	Chiang Mai Array Site 36	
CM04	Chiang Mai Array Site 4	
CM05	Chiang Mai Array Site 5	
CM06	Chiang Mai Array Site 6	
CM07	Chiang Mai Array Site 7	
CM08	Chiang Mai Array Site 8	
CM09	Chiang Mai Array Site 9	
CHRT	Chiangrai	
PHET	Kaeng Krachan	
KBR	Kanchanaburi	
KHT	Khao Laem Dam	
UBPT	Khong Chiam	
KKTK	Khon Kaen	
LPT	Lampang	
LOE	Loei	
NST	Nakhon Sawan	
NANT	Nan	
NNT	Nongplab	
PCT	Pak Chong	
PKT	Phuket	
PBKT	Sadao Pong	
SNG	Songkhla	
SKLT	Songkhla	
SRDT	SRDT	
UBT	Ubonrachathani	
The Chukotsky Autonomous Okrug		
LAVR	Lavrentia	
PRVR	Provideniya	
Turkey		
ABT	Abant	
ADVT	Abdulvahap	
ADAT	Adana	
ADT	Adana	
AFSR	Af¯ar-Bala (Ankara)	
DAGI	Agillar	
AGN	Agin	
AGRT	Agri	
KAHT	Ahir Dag	
AKCD	Akcadag	
AKC	Akcakoca	
AKS	Akhisar	
AKHS	Akhisar	
AKKT	Akkus	
AKSY	AKSARAY - Altinkaya	
AKTT	Aktoprak	
EAK	Akyaka	
AKY	Akyazi	
ALT	Altintas	
CUALT	Altinyayla-SIVAS	
ANDN	Andirin	
ANK	Ankara	
DAD	Ankara	
ANTO	Ankara	
ANTB	Antalya	
KEPZ	Antalya-Kepez	
ARMT	Armutlu	
ARST	Arsuz	
ARTV	Artvin	
ASAT	Asagicarikuru	
AVNT	Avonos	
AYK	Aydincik	
BAYT	Ayd¯–ntepe-Bayburt	
AYS	Ayseler	
AYVA	Ayvalik	
DBAD	Bademkaya	
BKT	Bakacak	
BALAT	Bala	
BBAL	Bala	
BLCB	Balcova	
BALB	Balikesir	
BALY	Balya	
BNT	Bandirma	
BTIN	Bart¯–n	
BTMT	Batman	
BTMN	Batman	
BBTK	Belbasi	
BRAR	Belbasi Array Beam Reference Point	
BR01	Belbasi Array Site 1	
BR02	Belbasi Array Site 2	
BR03	Belbasi Array Site 3	
BR31	Belbasi Array Site 31	BRAR
BR04	Belbasi Array Site 4	
BR05	Belbasi Array Site 5	
BR06	Belbasi Array Site 6	
BR00	Belbasi Site	BRAR
BLNT	Belen	
BEST	Besiri	
BEYT	Beykoz	
BINT	Bingol	
BGOL	Bingol	
BNGL	BINGOL	
BNGB	Bing¯¶‖	
BTLK	Bitlis	
BODT	Bodrum	
BGKT	Bogazkoy	
BOLV	Bolvadin	
BCA	Borcka	
DBOC	Borcka	
KDAG	Bornova	
BOYT	Boyabat	
BYBT	Boyabat	
BOY	Boyalica	
BOZC	Bozcaada	
BOZD	Bozcaada-Canakkale	
BZK	Bozkurt	
ATAB	Bozova	
AUBOZ	BOZOYUK	
BCK	Bucak	
BNN	Bunyan	
BADT	Buyukada	
BUY	Buyukada	
DNZL	Cakiroluk	
CLDR	Caldiran	
CANB	Canakkale	
CANT	Cankiri	
CTK	Catak	
ELBA	Catalca	
CTT	Catalca	
CTTX	Catalca	
ECAT	Cat-ERZURUM	
CAVTT	Cavuskoy	
CAVI	Cavuskoy	
CEM	Cemisgezek	
CEYT	Ceyhan	
CDAG	Cicekdag	
CHBY	Cihanbeyli	
SBT1	Cinarcik-Koru-Yalova	
CIN	Cine	
CRLT	Corlu	
CTKT	Corum	
CORM	Corum	
COAL	Corum-Alaca	
CUKT	Cukurca	
BALT	Daday	
DALT	Dalyan (Mudla)	
DALY	Dalyan (Mu¯la)	
DARE	Darende-Malatya	
DAT	Datca	
DEMI	Demirci	
DDEM	Demirkent	
DKP	Demirkopru	
DMK	Demirkoy	
DMT	Demirtas	
DENT	Denizli	
DERT	Derbent	
DVR	Devrek	
DKL	Dikili	
DIKM	Dikmen	
DYDN	Diyadin	
DIY	Diyarbakir	
DYBB	Diyarbakir	
DIYA	Diyarbakir	
DRTT	Dortyol	
DGT	Duragan	
DURS	Dursunbey	
DST	Dursunbey	
DRB	Dursunbey	
EDT	Edincik	EDC
EDC	Edincik	
EDRB	Edirne	
KESN	Edirne-Kesan	
BAGO	Egridir - ISPARTA	
ELZG	Elazig	
ELA	Elazig	
ELZ	Elazig	
ELDT	Eldivan	
EATA	Eleskirt	
ELL	Elmali	
ENEZ	Enez	
ERBA	Erbaa	
ERCT	Erciyes	
ERD	Erdek	
MEST	Erdemli	
ERIK	Erikli-Kesan	
ERMK	Ermenek	
EZC	Erzincan	
KRDT	Erzincan	
ERZN	Erzincan	
ERZ	Erzurum	
EZM	Erzurum	
ERZM	Erzurum	
ERZT	Erzurum	
ERZC	Erzyncan	
SBT5	Esenkoy-Cinarcik-Yalova	
ESE	Esentepe	
ESKT	Eskisehir	
BORA	Eskisehir	
EYL	Eskiyayla	
SEYT	Eskypehyr	ESKT
ESPY	Espiye-Giresun	
EZN	Ezine	
FAT	Fatmalar	
FEKT	Feke	
FETY	Fethiye	
GZTT	Gaziantep	
SOFT	Gaziantep	
GAZ	Gaziantep	
GZT	Gaziantep	
GAZI	Gazipasa	
GBZT	Gebze	
GEB	Gebze	
GEDT	Gedikpinar	
GDZ	Gediz	
GEDZ	Gediz	
GEMT	Gemlik	
GEVA	Gevas	
GRSN	GIRESUNGRSN	
GLHS	Glhisar (BURDUR)	
GOKC	Gokceada-Canakkale	
GOLH	Golhisar	
GPA	Golpazari	
GLP	Golpazari	GPA
GET	Gonen	
GONE	Gonen-Balikesir	
GYN	Goynuk	
GULA	Gulagac	
GULE	Gulek	
GPNR	Gulpinar-Canakkale	
GULT	Gulveren	
GUMT	Gumushane	
GDDT	Gundogdu	
GNYT	Guneyli	
CUGUR	Gurin_S¯VAS	
SBT2	Guzelce-Avcilar-Istanbul	
GADA	Gvkgeada	
GCAM	G?zelcaml?	
HDMB	Hadim	
HKR	Hakkari	
HAKT	HAKKARI	
AGRB	Hanur-Agry	
HTY	Hatay	
HAVZ	Havza	
HENT	Hendek	
HRT	Hereke	
HIS	Hisarcik	
HOMI	Horasan	
ILGA	Ilgaz	
ILIC	ilic-Erzincan	
IKL	Isikli	
COBT	Iskenderun	
ISP	Isparta	
IST	Istanbul	
IST1	Istanbul	
ITU	Istanbul	
ISK	Istanbul-Kandilli	
URLA	Izmir	
IZM	Izmir	
IZI	Iznik	
IZN	Iznik	
KDHN	Kadinhani	
KMRS	Kahramanmaras	
KAMT	Kaman	
KND	Kandira	
CUKAN	kangal_SIVAS	
KGT	Karabiga	
KRBG	Karabiga-Canakkale	
KCT	Karacabey	
KCTX	Karacabey (Bursa)	
SVSK	Karacayir	
EKAR	Karacoban	
KDE	Karadeniz	
KDZE	Karadeniz Ereoli	
KHL	Karahalli	
KHAL	Karahalli	
KARA	Karaisali	
KMS	Karamursel	
KRTS	Karatas	
KART	Kargi	
DIGO	Kars	
KARS	Kars	
AKAS	Kas	
KAS	Kastamonu	
KAST	KASTAMONU	
KVT	Kavak	
BDRM	Kayabasi	
KYR	Kayrak	
KEB	Keban	
KEKT	Keklktepe	
KELT	Kelkit	
KLT	Keltepe	
KEMA	Kemaliye	
BRTR	Keskin Array Beam Reference Point	
BR101	Keskin Array Site 101	
BR102	Keskin Array Site 102	
BR103	Keskin Array Site 103	
BR104	Keskin Array Site 104	
BR105	Keskin Array Site 105	
BR106	Keskin Array Site 106	
BR131	Keskin Array Site 131	BRTR
BRMAR	Keskin MP Array Beam Reference Point	
BR231	Keskin MP Array Site 231	BRMAR
BR232	Keskin MP Array Site 232	
BR233	Keskin MP Array Site 233	
BR234	Keskin MP Array Site 234	
BR235	Keskin MP Array Site 235	
BR236	Keskin MP Array Site 236	
BR237	Keskin MP Array Site 237	
CTKS	Kestanelik-??atalca	
KLYT	Kilyos	
KRCT	Kiractepe	
KRH	Kirikhan	
AUKIR	K¯–rka- Seyitgazi ESKISEHIR	
KIZT	Kizilcal	
KAND	Kocaeli-Kandira	
KOL	Kolay	
KERG	Konya-Eregli	
KKUL	Konya-Kulu	
KMER	Konya-Meram	
KONT	Konya--Tatoy	
KOPT	Kop Dagi	
KORT	Korkueli	
KORK	Korkuteli	
KOZTB	Kozan	
KOZT	Kozan	
KULA	Kula-Manisa	
KULU	Kulu	
SBT4	Kumbag-Tekirdag	
MARK	Kumluca	
KRTT	Kurtkulagi	
AUKUT	KUTAHYA	
KUZU	Kuzuini	
LADK	Ladik-KONYA	
LPK	Lapseki	
LOD	Lodumlu	
MYA	Malataya	
MALT	Malatya	
MLTT	Malatya	
MANT	Manisa	
MARD	Mardin	
MRMT	Marmara Adasi	
SBT3	Marmara-Ereglisi-Tekirdag	
MAZI	Mazidag	
MGN	Mengen	
MERS	Mersin	
KIZK	Mersin	
AUMIH	MIHALICIK	
MLSB	Milas	
MDNY	Mudanya-Bursa	
MDU	Mudurnu	
MDUB	Mudurnu	
MUT	Mudurnu	
MRFT	Murafatepe	
MFT	Murefte	
NAL	Nallihan	
NART	Narlikuyu	
AVNS	Nevsehir-Avanos	
NIG	Nigde	
BSTP	Nigde	
ORDU	Ordu-Boztepe	
ORLT	Orhaneli	
ORH	Orhaniye	
OSMT	Osmaniye	
PLU	Palu	
PZAR	Pazar-Rize	
PERT	Persembe	
PTK	Pertek	
PINB	Pinarbasi	
PHSR	Pinarhisar	
EPOS	Posof	
RAM	Raman	
REFA	Refahiye_ERZ¯NCAN	
RSDY	Resadiye-TOKAT	
REYT	Reyhanli	
SAFT	Safranbolu	
SAHE	Sakarya_HENDEK	
SMDT	Samandagi	
SAMS	Samsun-Alacam	
SPNC	Sapanca-Adapazari	
SARI	SarD1z-Kayseri	
CUSAR	Sarkisla-SIVAS	
RKY	Sarkoy-Tekirdag	
SAY	Sayfiye	
SEMD	Semdilli	
SERE	Sereflikochisar	
SGT	Sevinc	
SYT	Seydisehir	
SILT	Sile	
SLF	Silifke	
SLVT	Silivri	
SVAN	Silvan-Diyarbakir	
SNOP	Sinop	
SIRT	Sirnak	
SIRN	S¯–rnak	
SVST	Sivas	
SVRC	Sivrice-ELAZID	
SGKT	Sivrigoynuk	
AUSIV	SIVRIHISAR	
SVRH	Sivrihisar-ESKISEHIR	
SCER	sogukcermik	
SHUT	Suhut-Afyon	
SULT	Sultanhani-AKSARAY	
ENZZ	Sultanice-Enez-Edirne	
SUSE	Susehri	
SLK	Susurluk	
SUTC	Sutluce-Isparta	
TAHT	Tahtakopru-Hatay	
BTAS	Taskesti	
TST	Taslik	
AYDN	Tasoluk	
TATV	Tatvan	
TVSB	Tavsanli	
GELI	Tayfur-Gelibolu	
TDAG	Tekirdag	
TKR	Tekirdag	
SART	Tekirdag	
TKTP	Tekketepe	
TOKA	Tokat	
TOKT	Tokat	
TTK	Tokmak	
BTOK	Tokmak	
TOS	Tosya	
TBZ	Trabzon	
KTUT	Trabzon	
MACK	Trabzon	
TNC	Tunceli	
TNCL	Tunceli-Merkez	
TRHT	Turhal	
TRKT	Turkoglu	
TURN	Turunc	
TUTA	Tutak	
ULDT	Uludag	
URFA	Urfa	
UZU	Uzumlu	
EUZM	Uzumlu	
VANT	Van	
VANB	Van	
TVAN	Van	
VNT	Van	
VMUR	Van-Muradiye	
VRT	Varto	
VRTB	Varto-Mus	
VEZ	Vezirkopru	
KIYI	Yal¯–koy-Catalca	

Code	Station Name	Other
CTYL	Yal??k??y-??atalca	
YLV	Yalova	
YAMN	Yamanlar	
YAYL	Yayladag	
YAYX	Yaylak	
YELT	Yellice	
BCAM	Yenicaga	
YER	Yerkesik	
YESY	Yesilyurt	
MUGL	Yilanlidag	
YOZ	Yozgat	
YUMT	Yumurtalik	
YURE	YUREGIR	
CUZAR	Zara_SIVAS	
AYDB	Zeytinkoy-Aydin	
ZGT	Zonguldak	
KMST		
ANTT		
	Turkmenistan	
ABKT	Ailbek	
GEYT	Alibeck	
ASH	Ashkhabad	
ASHT	Ashkhabad	
BAT	Bayram-Ali	
CAGT	Chagyl	
CHDS	Charjew	
GARG	Garrygala	
GAUS	Gevers	
GZLA	Gyzyletrek	
KAH	Kaushut	
KAT	Kizyl-Arvat	
KRF	Krasnovodsk	
MNYS	Manysh	
MRY	Mary	
NBD	Nebitdag	
VAN	Vannovskaya	
	United Arab Emirates	
ASUD	Al Ashush, Dubai	
FAQ	Al Faqa, Dubai	
HATD	Hatta, Dubai	
NAZ	Nazwa, Dubai	
	Uttar Pradesh	
UGON	Onchagaon	
	Uzbekistan	
AGL	Agalyk	
ANR	Andizhan	
ANE	Angren	
AUR	Aurakhmat	
CHET	Chet-Su	
DZN	Dzhankel'dy	
DZI	Dzhizak	
FRG	Fergana	
GAY	Galvasay	
KDK	Khodzhikent	
KLKU	Kulkuduk	
KUMR	Kumaryk	
LNC	Lunacharskoye	
NAM	Namangan	
NAP	Napay	
NUKS	Nukus	
NUT	Nurata	
SAM	Samarkand	
TMD	Tamdy-Bulak	
TAS	Tashkent	
YNGY	Yangiyul	
	Vietnam	
BCVB	Bac Can	
BGV	Bac-Giang	
BVV	Ba Vi	
CTVN	Chua Tram	
CCVB	Con Cuong	
DBV	Dienbien	
DHV	Doan Hung	
DSV	Doi Son	
HGVB	Ha Giang	
HNV	Hanoi	
HBV2	Hoa Binh	
HBVN	Hoa-Binh	
HUV	Hue	
KSVV	Ky Son	
LUV	Laichau	
LCVN	Lai Chau	
LAVN	Lang Chanh	
LNVN	Lang Ngam	
MTZV	Met	
MCVV	Moc Chau	
NTV	Nha Trang	
NHA	Nha-Trang	
PLV	Phu-Lien	
SPV	Sa-pa	
SLVN	Son La	
DLVO	T a@11 Lat	
DLV	T a@11 Lat	
TDV	Tam Dao	
THV	Thanh Hoa	
TTVN	Tram Tau	
TGV	Tuan Giao	
TLV	Tu Ly	
TQV	Tuyen-Quang	
VIV	Vinh	
VTVB	Vinh Tuy	
YTV	Yen Tu	
	Voronezhskaya Oblast'	
LPSR	Galich'ya Gora	
VRH	Novokhopyorsk	
VORR	Voronezh	
	Yemen	
ADEN	Aden	
RADA	Ahram - Rada'a city Al-Baydha Gov. - Yemen	
BDHA	Al Bayda'	
MUKL	Al Mukalla	
MUKH	Al Mukha	
UDYN	Al 'Udayn	
ATAQ	'Ataq	
TRBA	At Turbah	
DHBB	Dhama@18r BB	
DHMR	Dhamar	
DAMY	Dhamar	
ERIN	Erian - IBB Gov. - Yemen	
HAJJ	Hajjah	
HRAD	Harad	
HNSH	Hunish Island	
ADDN	Jabal Ad Dan - Dhamar Gov. - Yemen	
KAMRY	Kamaran Island	
MNKH	Manakhah	
MARB	Ma'rib	
SADA	Sad'ah	
SANA	San'a	
SYON	Say'un	
SOCY	Socotra	
SMRH	Sumara - IBB Gov. - Yemen	
TAIZ	Ta'izz	
ZBID	Zabid	
ZUQR	Zugar Island	
ZQRN	Zuqar Island	
LBOS		

ATLANTIC OCEAN/ARCTIC OCEAN

	Ascension	
ASCN	Ascension	
ASH19	Ascension Island Hydrophone Array Site 19	
ASH21	Ascension Island Hydrophone Array Site 21	
ASH23	Ascension Island Hydrophone Array Site 23	
ASH24	Ascension Island Hydrophone Array Site 24	
ASH25	Ascension Island Hydrophone Array Site 25	
ASH26	Ascension Island Hydrophone Array Site 26	
ASH27	Ascension Island Hydrophone Array Site 27	
ASH29	Ascension Island Hydrophone Array Site 29	
I50GB	ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	
	Bermuda	
BBSR	BB Station	
BEC	Bermuda--Columbia	
I51GB	BERMUDA INFRASONIC ARRAY REFERENCE POINT	
BEN	Bermuda-Navy	
	Faeroe Islands	
FHV	Haldarsvik	
SOFL	Sornfelli, Faroe Islands	
FSD	Sut uroy	
FSV	Svinoy	
FTO	Torshavn	
FVA	Vagar	
	Falkland Islands	
EFI	East Falkland Island	
FLK	Falkland Islands	
PSF	Port Stanley	
	Greenland	
ASIG	Aasiaat, Greenland	
ASSG	Aftenstjerne Lake, Greenland	
ANGG	Ammassalik, Greenland	
CCG	Camp Century	
DAG	Danmarks Havn	
FFBG	Frank Field Bay, Greenland	
GDH	Godhavn	
IC-GL	Ice Cap	
IC-	Ice Cap	IC-GL
ILULI	Ilulissat	
ILUG	Ilulissat, Greenland	
ILG	Inge Lehmann	IC-GL
ISOG	Isortoq, Greenland	
IVI	Ivigtut	
SF2	Kangerlussuaq 2	
SFJD	Kangerlussuaq 2	
KTG	Kap Tobin	
KULLO	Kullorsuaq	
KULG	Kulusuk, Greenland	
NRS	Narsarsuaq	
NOR	Nord	
NEEM	North Greenland Eemian Ice Drilling site	
NUUG	Nuugaatsiaq	
I18DK	QAANAAQ INFRASONIC ARRAY REFERENCE POINT	
SCO	Scoresbysund	
SFJ	Sondre	
SUMG	Summit	
TULEG	Thule	
TE-GL	Thule	
THU	Thule	
THULE	Thule	
TE-	Thule	TE-GL
UPNG	Upernavik	
	Iceland	
IASB	A@15sbjarnarstat ir	
AKU-	Akureyri	
AKU	Akureyri	
IADA	Aoalbol	
IASK	Askja	
IASM	Asmuli	
IASO	Asolfsskalaheidi	
IBJA	Bjarnastaoir	
BORG	Borgarnes	
IBRE	Brettingsstaoir	
IBRU	Bruarjokull	
IDIM	Dimmadals^¡s	
EGI	Egilsstadhir	
IESK	Eystri-Skogar	
IFAG	Fagurholsmyri	
IFLA	Flatey	
IGIL	Gilhagi	
IGLU	Glumsstadir	
IGOD	Go??abunga	
IGRA	Granastaoir	
IGRI	Grimsey	
IGRF	Grimsfjall	
IGRS	Grimsstaoir	
IGRV	Grindav??k	
IGHA	Grjothals	
IGHS	Grjothals	
IGYG	Gygjarholskot	
HAH	Hahryggur	
IHAU	Haukadalur	
IHEI	Heioarbar	
IHLA	Hella	
IHED	Heoinshofoi	
IHRN	Hraun	
IHVA	Hvannstoosfjoll	
IHVE	Hveravellir	
IKAS	Kald??rsel	
IKAL	Kalfafell	
IKRE	Kreppuhraun	
IKVO	Krokottuvotn	
IKRO	Krokur	
IKRI	Krysuvik	
IKUD	Kuludalsa	
IHVO	Lagu-Hvolar	
ILEI	Leirhofn	
LJO	Ljotipollur	
IMEL	Melhnausar	
IMID	Miomork	
IMKO	Mokollar	
INYL	Nylenda	
IRNE	Reykjanes	
REY	Reykjavik	
IREN	Reynihlio	
IRJU	Rjupnafell	
ISAN	Sandskeio	
ISAU	Saurbar	
SID	Sida	
ISIG	Siglufjorour	
ISKI	Skildingah^‡lshraun	
ISKR	Skrokkalda	
ISLY	Slysaalda	
ISMJ	Smjorgil	
ISNB	Snabyli	
ISOL	Solvholt	
ISVA	Svartarkot	
IVAT	Vatnsfell	
IVES	Vestmannaeyjar	
VIK	Vik	
IVOG	Vogar	
IVOS	Vogsosar	
IVSH	V-Sauoahnukur	
	Saint Helena	
SHEL	Horse Pasture	
SHLN	Saint Helena Island	
	South Georgia Islands	
HOPE	Hope Point	
KEP	King Edward Point	
	Tristan da Cunha	
TRIS	Tristan da Cunha	
I49GB	TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	
TDC1	Tristan de Cunha	

AUSTRALASIA

	Australasia	
NIUE	Niue	
	Australia	
BRSB	Brisbane	
	Australian Capital Territory	
RNDA	Aranda	
BJEM	Burrinjuck	
BJDM	Burrinjuck Dam	
CAN	Canberra	
CNB	Canberra Magnetic Observatory	
KOW	Kowen Forest	
	Macquarie Islands	
MQI	Macquarie Island	
MCQ	Macquarie Island	
	New South Wales	
ARMA	Armidale	
AVO	Avon	
BWA	Boorowa	
BUDM	Budderoo	
CAB	Cabramurra	
CBR	Cabramurra	
CAH	Castle Hill	
CTBM	Cataract Bedrock	
CTDM	Cataract Dam	
CAVM	Cavillon	
CHAM	Chaffey Accelerograph	
CHFM	Chaffey Dam	
CMSA	Cobar Meteorology Station	
CMS	Cobar Meteorology Station	
EPSO	Coonabarabran	
COO	Cooney Tunnel	
COPM	Copeton	
DLN	Dalton (NSW)	
EUGM	Eugowra	
FTZM	Fitzroy Falls	
GEE	Geehi	
GBBM	Glenbawn Bedrock	
GBAM	Glenbawn Dam	
GLNM	Glennies Creek Dam	
GRVM	Greaves Creek	
GUND	Gundaroo	
HLA	Hall's Lagoon	
INV	Inveralochy	
IVN	Inveralochy	
IVY	Inveralochy	
JBRM	Jenolan Black	
JNL	Jenolan Caves	
JIN	Jindabyne	
KANM	Kanangra Walls	
KPTM	Keepit Bedrock	
KPAM	Keepit Dam	
KHA	Khancoban	
KTLM	Kings Tableland	
WOOD	Lake Woodford	
LER	Lerida	
LBXM	Letterbox	
LHI	Lord Howe Island	
LOSM	Lostock Dam	
LHBM	Lucas Heights	
MGCD	Mangrove Creek Dam	
MKPT	Marks Point, NSW, Australia	
MEG	Meangora	
MILA	Mila	
MEA	Monteagle	
MBA	Mount Bingar	
CPXM	Mount Cotopaxi	
NARM	Nariel	
NATM	Nattai	
PHDM	Pipehead	
RIV	Riverview	
SBR	S Black Range	
SPRM	Split Rock	
STKA	Stephens Creek	
STK	Stephens Creek	
SYD	Sydney	
SYDH	Sydney Hard	
TAO	Talbingo	
TALM	Tallowa	
TALL	Tallowa Pump Stn	
TPND	Tumut Pond Dam	
WAM	Wambrook	
WGBM	Warragamba	
WDBM	Warragamba Dam	
WER	Werombi	
WRNM	Woronora	
WYA	Wyangala	
YERM	Yerranderie	
YOU	Young	
YNG	Young	
	Norfolk Island	
NRFK	Norfolk	
NIA	Norfolk Island	
NFK	Norfolk Island	
	Northern Territory	
ASPA	Alice Springs	
ASP	Alice Springs	
ASAR	Alice Springs Array Beam Reference Point	
AS01	Alice Springs Array Site 1	
AS10	Alice Springs Array Site 10	
AS11	Alice Springs Array Site 11	
AS12	Alice Springs Array Site 12	ASAR
AS13	Alice Springs Array Site 13	
AS14	Alice Springs Array Site 14	
AS15	Alice Springs Array Site 15	
AS16	Alice Springs Array Site 16	
AS17	Alice Springs Array Site 17	
AS18	Alice Springs Array Site 18	
AS19	Alice Springs Array Site 19	
AS02	Alice Springs Array Site 2	
AS03	Alice Springs Array Site 3	
AS04	Alice Springs Array Site 4	
AS05	Alice Springs Array Site 5	
AS06	Alice Springs Array Site 6	
AS07	Alice Springs Array Site 7	
AS08	Alice Springs Array Site 8	
AS09	Alice Springs Array Site 9	
AS31	Alice Springs Site	
DAR	Darwin	
DPH	Darwin Parliament House	
DRS	Darwin Rock Store	
KAKA	Kakadu	
KDU	Kakadu	
MTN	Manton Dam	
WRAB	Tennant Creek	
WB1	Warramunga Ar.	
WCB	Warramunga Array	
WRB	Warramunga Array	
WRA	Warramunga Array Beam Reference Point	
WB0	Warramunga Array Site B0	
WB2	Warramunga Array Site B2	
WB3	Warramunga Array Site B3	
WB4	Warramunga Array Site B4	
WB5	Warramunga Array Site B5	
WB6	Warramunga Array Site B6	
WB7	Warramunga Array Site B7	
WB8	Warramunga Array Site B8	
WB9	Warramunga Array Site B9	
WC1	Warramunga Array Site C1	
WC2	Warramunga Array Site C2	
WC3	Warramunga Array Site C3	
WC4	Warramunga Array Site C4	
WR0	Warramunga Array Site R0	
WR1	Warramunga Array Site R1	
WR2	Warramunga Array Site R2	
WR3	Warramunga Array Site R3	
WR4	Warramunga Array Site R4	
WR5	Warramunga Array Site R5	
WR6	Warramunga Array Site R6	
WR7	Warramunga Array Site R7	
WR8	Warramunga Array Site R8	
WR9	Warramunga Array Site R9	
WRAI	Warramunga Infrasound Array Beam Reference Point	
	Queensland	
AWOON	Awoonga Dam	
AWDQ	Awoonga Dam 3	
BEEN	Beenleigh	
BOON	Boondooma	
BDMQ	Boondooma Dam	

Code	Station Name	Other
BRS	Brisbane	
BN2S	Brisbane 2 Soft	
BR1	Brisbane hardrock	
BR2	Brisbane softrock	
BSLQ	Bruslee	
WBAQ	Buaraba 3	
BURD	Burdekin Lookout	
CNS2	Cairns-h acc only	
CNS1	Cairns-h seis/acc	
CTA	Charters Towers	
CTAO	Charters Towers	CTA
CHIL	Chillagoe	
COEN	Coen	
CVLQ	Collinsville	
DLBQ	Dalbeg	
DNGQ	Doongara	
EASTN	East End Reserv.	
EIDS	Eidsvold	
FAIR	Fairbairn	
FGTQ	Fig Tree	
FS03	Four Seasons	
FRED	Fred Haigh	
GLADS	Gladstone Plant	
BGRQ	Glenroy	
GC1S	Gold Coast 1 Soft	
GC2F	Gold Coast 2 Fill	
GC2	Gold Coast Softrock	
GC1	Gold Cst Hrdrock	
HINZ	Hinze Dam	
KDA	Kuranda	
WMBQ	Mount Brisbane	
MCPQ	Mount Cooper	
MHPQ	Mount Hope	
ISQ	Mount Isa	
QIS	Mount Isa	
MORG	Mount Morgan	
MTSU	Mount Surprise	
PETE	Peter Faust Dam	
PDDM	Pindari Dam	
WPMQ	Pine Mountain	
QLP	Quilpie	
WRCQ	Reedy Creek 5	
RK1	Rhampton Hrock	
RK2	Rhampton Srock	
RK2S	Rockhampton 2 Soft	
RMQ	Roma	
RTQ	Roma	
RDSS	Rosedale State School	
WTRQ	Thallon Road	
TINA	Tinaroo	
WTGQ	Toogoolawah	
WOOM	Toowoomba	
TW1H	Toowoomba 1 Hard	
TVL	Townsville	
TV1	Townsville Hrock	
TV2	Townsville Softrock	
UKAQ	Ukalunda	
WWHQ	Wivenhoe Hill 3	
WPA	Woody Point	
South Australia		
ADE	Adelaide	
ARKL	Arkaroola	
BBOO	Buckleboo	
CLV	Cleve	
EDO	Endilloe	
GLEN	Glenside	
GHSS	Government House	
HTT	Hallett	
HML1	Hamley Bridge	
HKER	Hawker	
HWKN	Hawk's Nest	
HKN	Hawks Nest	
HMV1	Hindmarsh Valley	
ILN	Island Lagoon	
KELC	Kelly Hill Caves	
MPTV	Morphett Vale	
MGBR	Mount Gambier	
MRAT	Mt Rat	
MYP	Myponga	
NAPP	Napperby	
NBK	Nectar Brook	
PLMR	Palmer	
PARN	Parndana	
PNA	Partacoona	
PTPS	Port Pirie	
RPA	Roopena	
SDAN	Sedan	
SNL	Sevenhill	
STR2	Strathalbyn	
UTT	Tea Tree Gully	
TWOA	Tennyson Woods	
THS	The Heights School	
UMB	Umberatana	
WHYH	Whyalla	
WKA	Willalooka	
FR27	Wilpena Pound	
WSA	Woomera	
YE6	Yeelanna, site6	
Tasmania		
BNE	Burnie High School	
CORO	Coronation Park	
GEES	Gees Lookout	
GLAD	Gladstone	
FNT	Hobart	
MARG	Lake Margaret	
MIKA	Lake Mikany	
LMT	Lemonthyme	
MOO	Moorlands	
CLAW	Mount Claude	
NELS	Mount Nelson	
MTRD	Mount Read	
POAT	Poatina	
QTN	Queenstown	
SVR	Savage River	
SAV	Savannah	
SPK	Scotts Peak	
SFF	Sheffield	
STG	Strathgordon	
STGV	Strathgordon Vge	
LEAH	Tarraleah	
TRR	Tarraleah	
TAU	Tasmania University	
Victoria		
ABEM	Aberfeldy	
BRAT	Ballarat	
BANM	Bannockburn	
BFD	Bellfield	
BOV	Bogong Mts	
BRWK	Brunswick	
BUV	Buchan	
BUCN	Buchan	
BUCM	Buckrabanyule	
CCRM	Cairn Curran	
CDNM	Cardinia	
GEAM	CSIRO Animal Health Laboratory	
DRT	Dartmouth	
DDBM	Dartmouth Bedrock	
DDCM	Dartmouth Crest	
DTMM	Dartmouth Digital	
DVBM	Devilbend	
DRAM	Dora Dora	
DROM	Dromana	
FSHM	Fish Creek	
FRTM	Forrest	
GLMM	Glenmaggie	
GVL	Greenvale	
HEXM	Hexham	
HUMM	Hume Dam	
IVSM	Inverness	
JENM	Jeeralang Junction	
KOWM	Kowarra	
LGTM	Lightning Creek	
MACM	Macedon	
MEL	Melbourne	
MITM	Mitta Mitta	
MLWM	Molesworth	
MDRM	Moondarra Dam	
MPDM	Moonee Ponds	
ARPS	Mount Arapiles	
HOPM	Mount Hope	
MTV	Mount Tassie	
MTLM	Mount Tassie Tower	
GOGM	North Grampians	
ROYM	Rob Roy	
ROKL	Rocklands	
ROKM	Rocklands Reservoir	
LYNN	Rosslynne Res.	
ROWM	Rowsley	
RUSM	Rushworth	
SHYM	Surrey Hills	
TATM	Tatong	
TECM	TEC LaTrobe	
TOMM	Thomson	
TOO	Toolangi	
WILL	Willung South	
Western Australia		
BAL	Ballidu	
BLDU	Ballidu	
WA4	Burakin	
CANN	Canning Dam	
CARL	Carlisle	
COOL	Coolgardie	
DAM	Dampier	
DOCK	Docker River	
FITX	Fitzroy Crossing	
FITZ	Fitzroy Crossing	
FORR	Forrest	
FORT	Forrest	
GLS	Giles	
GIRL	Giralia	
KLGA	Kalgoorlie	
KLG	Kalgoorlie	
KMBL	Kambalda	
KAA	Karratha	
KLBR	Kellerberrin	
KLB	Kellerberrin	
KNA	Kununurra	
KNRA	Kununurra	
MBWA	Marble Bar	
MBL	Marble Bar	
MBT	Marble Bar	
MEK	Meekatharra	
MEEK	Meekatharra	
MEKA	Meekatharra	
MORW	Morawa	
MRWA	Morawa	
MTKN	Mount Kenneth	
MUN	Mundaring	
NAU	Nanutarra	
NANU	Nanutarra	
NWA	Narrogin	NWAO
NWAO	Narrogin (SRO)	
NDA	Nedlands	
PER	Perth	
PSA00	Pilbara Seismic Array Element 00	
PSAA1	Pilbara Seismic Array Element A1	
PSAA2	Pilbara Seismic Array Element A2	
PSAA3	Pilbara Seismic Array Element A3	
PSAB1	Pilbara Seismic Array Element B1	
PSAB2	Pilbara Seismic Array Element B2	
PSAB3	Pilbara Seismic Array Element B3	
PSAC1	Pilbara Seismic Array Element C1	
PSAC2	Pilbara Seismic Array Element C2	
PSAC3	Pilbara Seismic Array Element C3	
PSAD1	Pilbara Seismic Array Element D1	
PSAD2	Pilbara Seismic Array Element D2	
PSAD3	Pilbara Seismic Array Element D3	
RKGY	Rocky Gully	
RKG	Rocky Gully	
SWV	Swan View	
WA3	Talbot Brook	
WA2	Wagin	
WRKA	Warakurna	
WARB	Warburton	
WBN	Warburton	
WAT	Watheroo	
WA1	Wongan Hills	
WOOL	Woolibar	
Chatham Islands		
I36NZ	CHATHAM INFRASONIC ARRAY REFERENCE POINT	
New South Wales		
REDH	Redhead, NSW Australia	
New Zealand		
Campbell Island		
CBZ	Campbell Island	
Chatham Islands		
CTZ	Chatham Island	
CIZ	Chatham Islands	
Kermadec Islands		
GLKZ	Green Lake	
RAO	Raoul Island	
RIZ	Raoul Island	
KRHZ	Kereru	
PWZ	Pawanui	
POWZ	Post Office Road	
WPHZ	Waipukurau	
North Island		
ALRZ	Allen Road	
ANWZ	Angora Road	
RAHZ	Arahi	
ARA	Arapuni	
ABAZ	Army Bay	
ARHZ	Aropaoanui	
AUC	Auckland	
BHW	Baring Head	
BLW	Big Hill	
BFZ	Birch Farm	
BSWZ	Blackbirch Station	
BHHZ	Black Hill Station	
BKZ	Black Stump Fm	
BUN	Bunnythorpe	
BSZ	Bushy Park	
CAW	Cannon Point	
CMWZ	Cape Campbell	
CKHZ	Cape Kidnappers	
CRZ	Cape Reinga	
CNGZ	Carnagh Station	
CAZ	Castlepoint	
CPWZ	Castlepoint	
CNZ	Chateau	
COVZ	Chateau Observatory	
DNN	Dannevirke	
DVHZ	Dannevirke	
DFE	Dawson Falls	
DRZ	Dome Shelter	
DREZ	Durham Road	
ECZ	East Cape	
ETAZ	East Tamaki Reservoir	
EDRZ	Edgecumbe	
FWVZ	Far West T-bar	
GRRZ	Galatos Road	
GNZ	Gisborne	
GSZ	Glacier Shelter	
GBZ	Great Barrier	
GRZ	Great Barrier Island	
HRRZ	Handcock Road	
HARZ	Haroharo	
HAS	Hastings	
HIZ	Hauiti	
HNZ	Havelock North	
HNHZ	Havelock North	
HBAZ	Herne Bay Borehole	
HBZ	Hicks Bay	
HLRZ	Highlands Station	
HATZ	Hinemaiaia	
HITZ	Hingarae	
HOWZ	Holdsworth Station	
HSRZ	Hossack Road	
HUTZ	Huka	
KUTZ	Kaahu Road	
KARZ	Kaharoa	
KHEZ	Kahui Hut	
KAHZ	Kahuranaki	
KIT*	Kaitaia	
KATZ	Kakaramea	
KIW	Kapiti Island	
KBAZ	Karaka Road Borehole	
KRP	Karapiro	
KAVZ	Karewarewa	
KRVZ	Karewarewa	
KAAZ	Kauri Point	
KWHZ	Kaweka Forest	
KETZ	Ketetahi	
TKEZ	Kiri Road	
KNZ	Kokohu	
KUZ	Kuaotunu	
LREZ	Lake Rotokare	
LIRZ	Lichensteins Rd	
MAHZ	Mahia	
MHGZ	Mahia Peninsula	
MOZ	Mahoenui	
MRW	Makara Radio	
MKRZ	Makatiti	
MARZ	Manawahe	
MNG	Mangahao	
MHEZ	Mangahewa	
MRZ	Mangatainoka River	
MTVZ	Mangateitei	
MRH	Marewa	
MXZ	Matakaoa Point	
MWZ	Matawai	
MRHZ	Matea Rd	
MGZ	Maungaku	
MYRZ	Mayor Island	
MCHZ	McNeill Hill	
MOVZ	Moawhango	
MOH	Mohaka	
MOW	Moikau	
MSWZ	Moikau Station	
MTAZ	Motutapu	
MKAZ	Moumakai	
AMW	Mount Adams	
MTW	Mount Morrison	
TARZ	Mount Tarawera	
NMEZ	Namu Road	
NPR	Napier	
NMHZ	Naumai	
NWEZ	Newall Road	
NPZ	New Plymouth	
NRZ	Ngariki Road	
NGZ	Ngauruhoe	
NEZ	North Egmont	
NOZ	North Gisborne	
OPRZ	Ohinepanea	
OIZ	Oio	
OUZ	Omahuta	
OMRZ	Omania	
ONE	Onerahi	
OTW	Orongorongo Tunnel	
OGWZ	Otaki Gorge	
OTAZ	Otara	
OTVZ	Oturere	
PATZ	Paeroa	
PLWZ	Palliser	
PREZ	Palmer Road	
PAHZ	Panekirikiri	
PARZ	Papamoa	
PRGZ	Paritu Road	
PAWZ	Paruwai Farm	
PXZ	Pawanui	
PRRZ	Plateau Road	
PKVZ	Pokaka	
PGZ	Pongaroa	
PRHZ	Porangahau	
PRWZ	Pori Road	
PKE	Pukeiti	
PNHZ	Pukenui	
PUZ	Puketiti	
QHW	Quartz Hill	
RBY	Rainbow Mountain	
RAEZ	Rainy Point	
RGZ	Rangipo	
RATZ	Rangitukua	
RUZ	Raurimu	
RAGZ	Rawiri	
RRRZ	Republican Road	
RITZ	Rihia Road	
RIGZ	Rimuhau	
RVAZ	Riverhead Borehole	
ROS	Roseneath	
ROT	Rotorua	
STN	Seatoun	
SNGZ	Shannon Station	
SNZO	South Karori	
STZ	Stratford	
TOZ	Tahuroa Road	
TSZ	Takapari Road	
TRZ	Taradale	
TTH	Taradale Trig	
TAHZ	Taraponui	
TNZ	Tarata	
TAZ	Tarawera	
TGRZ	Tauranga	
TWVZ	Taurewa	
TWGZ	Tauwhareparae	
TEHZ	Te Atua	
HAZ	Te Kaha	
TKGZ	Te Karaka	
TMWZ	Te Maipa	
TIWZ	Tintock	
TLZ	Tolley Road	
TON	Tongariro	
TRWZ	Traveller	
TUA	Tuai	
TUTZ	Tuhingamata	
TUVZ	Tukino	
TRVZ	Turoa	
URZ	Urewera	
UTU	Utuhina	
VRZ	Vera Road	
WNVZ	Wahianoa	
WTAZ	Waiatarua	
WIAZ	Waiheke Island	
WHHZ	Waihua	
WGZ	Waimangu	
WDW	Wainui Dam	
WMGZ	Waiomatatini Station	
WCZ	Waipu Caves	
WNZ	Wairakei	
WATZ	Wairara	
WAHZ	Wakarara	
WAZ	Wanganui	
WEL	Wellington	
WTVZ	West Tongariro	
WHTZ	Whakaora	
WPVZ	Whakapapa	
WPRZ	Whakapapatarinqa	
WTZ	Whakatane	
WHH	Whakatau	
WHVZ	Whangaehu Hut	
WLZ	Whitehall	
WIZ	White Island	
WHW	Wright's Hill	
South Island		
AXZ	Alexandra	
BWZ	Berwen	
BBW	Black Birch	
BRZ	Borland Lodge	
BCZ	Braida Crags	
BSP	Bush Stream	
CFC	Cairnmuir Flats	
CMCZ	Cairnmuir Mts	
CRLZ	Canterbury Laser	
CCW	Cape Campbell	
CMZ	Cashmere	
CHR	Christchurch	
CYZ	Clyde	
CDZ	Cobb Dam	
COB	Cobb River	
DCZ	Deep Cove	
DNS	Denniston	
DSZ	Denniston North	
DMP	Diadem	
DNZ	Dunedin	
DND	Dunedin-Penfold	
DUWZ	D'Urville Island	
DIW	D'Urville Island	
EAZ	Earnscleugh	
EWZ	Erewhon	
FLW	Foulwind	
FOZ	Fox Glacier	
GPZ	Gebbies Pass	
GSP	Gladstone Stream	
GFW	Glenfield	
GLE	Glenmuick	
GRY	Greymouth	
HHSZ	Highcliff Hill	
HHP	Hogget Hill	
HGP	Huxley Gorge	
JCZ	Jackson Bay	
KHZ	Kahutara	
KKZ	Kaikoura	
KKY	Kaikoura West	
KAI	Kaimata	
LBZ	Lake Benmore	
LMZ	Lake Moeraki	
LTZ	Lake Taylor	
LRCZ	Leaning Rock	
LSCZ	Lilico Spur	
MLZ	Mavora Lakes	
MQZ	McQueen's Valley	
MSZ	Milford Sound	
MNW	Monowai	
MHZ	Mount Horn	

Code	Station Name	Other
MJZ	Mount John	
MJP	Mount John Pukaki	
MMP	Mount Mary	
MMCZ	Mount Michael	
MSCZ	Moutere Station	
NNZ	Nelson	
OMZ	Oamaru	
ODZ	Otahua Downs	
OXZ	Oxford	
PPZ	Puysegur Point	
PYZ	Puysegur Point	
QRZ	Quartz Range	
RPZ	Rata Peaks	
RHP	Rhoboro Hills	
RTY	Rotoiti	
ROX	Roxburgh	
RTP	Ruataniwha	
SYZ	Scrubby Hill	
SBCZ	Sonora Basin	
TAK	Takaka	
THP	Tara Hills	
TMP	Tomahawk Gully	
THZ	Tophouse	
TCW	Tory Channel	
TBC	Trig B	
TLC	Trig L	
TUWZ	Tuamarina	
TUZ	Tuapeka	
WPZ	Waipapa Point	
WAI	Wairiri	
WVZ	Waitaha Valley	
WKZ	Wanaka	
WHZ	Wether Hill Road	
Stewart Island		
OBZ	Oban	
SIZ	Stewart Island	
APZ	The Paps	
Northern Territory		
I07AU	WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	
North Island		
AWAZ	Awhitu Peninsula	
KMRZ	Kaimai	
MUGZ	Murupara	
OHWZ	Ohakea	
PKGZ	Pakihiroa	
South Island		
INZ	Inchbonnie	
Tasmania		
I05AU	HOBART INFRASONIC ARRAY REFERENCE POINT	
Western Australia		
I04AU	SHANNON INFRASONIC ARRAY REFERENCE POINT	

CARIBBEAN SEA

Anguilla		
SWIP	Sombrero	
Antigua and Barbuda		
Antigua		
AWI	Antigua	
ANG	Antigua	
BPA	Boggy Peak	
Barbuda		
BWI	Barbuda	
CPB	Codrington	
O6A	E Barbuda OBS	
ANWB	Willy Bob	
Barbados		
B5GA	5 Glenshane	
BDS	Barbados	
BRB	Barbados	
BDH	Highclere	
BBSP	Saint Philip	
Cayman Islands		
LCCY	Blossom Village, Little Cayman	
FSCY	Frank Sound, Grand Cayman	
GCM	Grand Cayman	
CBCY	The Bluff, Cayman Brac	
WBCY	West Bay, Grand Cayman	
Cuba		
CCCC	Cccc	
CISC	Cisc	
GM-	Guantanamo	GM-CU
GM-CU	Guantanamo	
GTMO	Guantanamo	
GBC	Guantanamo Bay	
HLGC	Holguin	
HOL	Holguin	
LMGC	Las Mercedes	
MGV	Manicaragua	
MASC	Masc	
MOAC	Moa	
PINC	Pinares de Mayari	
RCC	Rio Carpintero	
SABC	Sabc	
SOR	Soroa	
YAR	Yar	
Dominica		
BBL	Barber's Block	
DBCT	Belle View Chopil	
PSDMB	Cotton Hill	
DOM	Dominica	
DFBT	Forest Bistro	
DGBT	Grand Bay	
DLPL	La Plaine	
DLVT	Layou Valley	
MDN	Morne-Daniel	
DPMT	Pointe Michel	
PSDMZ	Portsmouth	
DSHT	Scott's Head	
DSC	Scotts Head	
PSDMA	Soufriere	
DSVT	Soufriere Village	
DSTT	Stowe	
DTMT	Tete Morne	
DVDT	Valley Desolation	
DVCT	Vielle Casse Police Station	
DWS	Wesley	
Dominican Republic		
DR10	Alto Bandera	
BANI	BANI	
ROBI	Boca de Chavon	
SDD09	Ceiba Bonita	
GUAY	Guayacanes	
SDD06	Hatillo	
SAON	Isla Saona	
DR07	Jarabacoa	
JIDR	Jimani	
DR01	Juana Nunez	
DR1	Juana Nunez	DR01
DR06	La Diferencia	
DR6	La Diferencia	DR06
DR05	La Lomota	
DR5	La Lomota	DR05
DR11	La Yayitas	
SACA	Loma Carmona	
SDD01	Loma Colora	
SDD07	Loma El Cafe	
MAVI	Loma El Joboban	
SDD04	Loma El Mogote	
LOMO	Loma en Medio	
SDD03	Loma La Ceniza	
DR08	Loma La Naviza	
DR8	Loma La Naviza	DR08
SDD05	Loma Manaclilla	
DR12	Loma Pena Alta	
QUES	Loma Quita	
SDD02	Loma Siseviere	
SDD08	Loma Yayales	
DR04	Monte Llano	
DR4	Monte Llano	DR04
SDD10	Monte Rojo	
NADR	Nagua	
DR09	Piedra Blanca	
DR03	Pinalito	
DR3	Pinalito	DR03
PPDR	Puerto Plata	
PUCA	Punta Cana	
PCDR	Punta Cana, DR	
SMN1	Samana, DR	
DR13	Sanchez	
DR02	San Jose de las Matas	
PUCM	Santiago	
SDD	Santo Domingo	
STDO	Santo Domingo	
DR14	Sierra Prieta	
DR15	Siete Picos	
Grenada		
GRCU	Cariacou	
GRE	Grenada	
GRIC	Isle de Caille	
GRW	Mount Saint Catherine	
MCG	Mt St Catherine	GRW
GRHS	Sauteurs	
GRSS	Sisters	
Guadeloupe		
ABGF	Abri du Galion	
GABY	Abymes - Guadeloupe	
BTG	Basse Terre	
BCG	Bois Riant Capesterre	
LKG	Breislack	
CRG	Carmichael	
DOG	Dongo Capesterre	
ECG	Echelle	
FNG	Fond-Bernard	
LZG	Guadaloupe-1	
PHG	Guadaloupe-2	
TBG	Guadaloupe-3	
HMG	Houelmont	
IAG	Institut Agronomique	
DEG	La Desirade	
GLMO	Le Moule	
PAG	Le Parnasse	
MGG	Marie-Galante	
MBG	Matouba	
MLG	Mont-d'or	
GDHS	Morne Mazeau, Deshaies	
MSGF	Morne Soldat	
PRGF	Pas du Roy	
GPTB	Petit Bourg	
GCPN	Pointe noire	
SEG	Port Louis	
RMGF	Ravine Marchand	
SCG	Saint Claude	
SFG	Saint Francois	
SSG	Sans Toucher	
TAG	Tarade	
FBG	Trois Rivieres	
TVG	Trois Rivieres	FBG
Haiti		
JAKH	Jacmel	
WSYH	La Gonave Hosp	
LGNH	Le@15oga@12ne	
PEDR	Pedernales	
PAPH	Port-au-Prince	
SSM	Saint Martial	
Honduras		
Swan Islands		
SWA	Swan Island	
Jamaica		
BBJ	Bamboo Saint Ann	
BEV	Beverley	
BRJ	Black River	
BNJ	Bonny Gate	
CMJ	Castle Mountains	
CVJ	Coleyville	
GWJ	Greenwich	
HOJ	Hope	
HOP	Hope Bay	
KIN	Kingston	
MCJ	Malvern	
MBJ	Montego Bay	
MTDJ	Mount Denham	
NEJ	Negril	
NCJ	New Castle	
PAJ	Port Antonio	
PCJ	Portland Cottage	
PRJ	Port Royal	
RHJ	Red Hills	
SPJ	Spur Tree	
STH	Stony Hill	
YHJ	Yallahs	
Martinique		
ZAM	Aeronautique	
BVM	Bellevue	
BIM	Bigot	
PMCB	Calebasse	
CRM	Caravelle	
FDF	Fort de France	
GBMF	Grand Be	
AIL	L'Aileron	
MVM	Montagne Vauclin	
MPM	Monte-Pele	
BAMF	Morne Balai	
MJM	Morne Jacques	
CXM	Morne La Croix	
LPMF	Morne Lapointe	
PML	Morne Lenard	
PAMF	Morne Pavillon	
PAI	P Aileron	
PCM	Pelee Case Petit	
SVN	Savane Anatole	
TRMF	Trois Ilets	
Montserrat		
MBET	Bethel	
MJHT	Jackboy Hill	
MLYT	Lee's Yard	
MLGT	Long Ground	
MWI	Montserrat	
MVOV	Montserrat Volcano Observatory	
MGH	Saint George's Hill	
MSPT	Saint Patrick	
MBRV		
MBRY		MRYT
MBGB		
MBLG		MLGT
MBWH		
MBMH		
MCPZ		
MBBY		
MDUM		
MBGE		
MBSS		
MBGA		
MRYT		
MGAT		MBGA
Netherland Antilles		
SABT	Saba	
Netherlands Antilles		
SBN	Saba	
SABS	Saba	
STAT	Sint Eustatius	
MRN	Sint Maarten	
STMA	St. Maarten, Airport	
Puerto Rico		
AGP	Aguadilla	
AGPR	Aguadilla, PR	
ABVI	Anegada Island	
APR	Arecibo	
AOPR	Arecibo Observatory	
PWP	Barrio Florida	
CRPR	Cabo Rojo, PR	
CAG	Caguas	
CGV	Camp Garcia	
CBYP	Canovanas	
CBYB	Canovanas	
CSJ	Cape San Juan	
CELP	Cerrillos	
CLLP	Cerrillos	
CDPB	Cerro de Punta	
CDP	Cerro de Punta	
CPD	Cerro la Pandura	
CPDB	Cerro Pandura	
CCA	Coamo	
CSB	Colonia Sabana	
HUMP	Col San Antonio	
CORN	Cornellia Hill	
CULB	Culebra	
CUP	Culebra	
DOS	Dos Bocas Dam	
EYP	El Yunque	
GBPR	Guanica, Bosque Seco, PR	
ICMP	Isla Caja de Muertos, Puerto Rico	
ICM	Isla Caja Muertos	
IDE	Isla Desecheo	
IMOB	Isla Mona	
IMR	Isla Mona	
IMO	Isla Mona	
LPR	La Peregrina	
LRS	Lares	
LSP	Las Mesas	
LSP2	Las Mesas	
MGPB	Maguayo	
MGP	Maguayo	
MRCP	Maricao	
MPR	Mayaguez	
MCAB	Moca	
MCP	Moca	
MOCA	Moca	
IMPR	Mona Island, PR	
MTP	Monte Pirata	
MTPB	Monte Pirata	
MOV	Morovis	
MEP	Mte del Estrado	
OBIP	Obispado Ponce	
PNP	Penuelas	
PZ-PR	Ponce	
PON	Ponce	
PZ-	Ponce	PZ-PR
PTP	Ponta Puerca	
PORP	Portuguez	
RRD	Roosevelt Roads	
RRP	Roosevelt Roads	
SJG	San Juan	
SJP	San Juan	
SJGC	San Juan (W)	SJG
VQS	Vieques	
Saint Kitts and Nevis		
Nevis		
NVBH	Bath Hotel, Nevis	
NEV	Hard Times	
NVRH	Round Hill, Nevis	
St Kitts		
BSK	Brimstone Hill	
STKP	Saint Kitts	
SKI	Saint Kitts	
SKDB	Saint Kitts 2	
SKTB	Turtle Beach	
Saint Vincent and the Grenadines		
St Vincent		
SVL	Baleine	
BHS	Barnard House	
SVB	Belmont	
SSV	Crater Summit	
SFAN	Fancy Village	
FCV	Fort Charlotte	
SVG	Indian Gallows	
OHS	Orange Hill	
SOA	Owia	
RSV	Radio Antilles	
SRH	Rilland Hill	
SVI	Saint Vincent	
SVT	Saint Vincent	
SVV	Soufriere Volcano	
St Lucia		
SLB	Belfond	
SLDE	Delcer	
SLTA	Morne Tabac	
MCLT	Moule a Chique	
SLPA	Patience	
SLW	Petit Monier	
SLPE	Piton Saint Espirit	
SLI	Saint Lucia	
Trinidad and Tobago		
ALNG	Atlantic LNG	
BOT	Bacolet	
TBH	Brigand Hill	
BUAY	Buenos Aires	
TCE	Chacachacare	
TCHG	Chaguaramas	
GNG	Grange	
TTR	Matura	
PIG	Pigeon Point	
PLY	Plymouth	
TPP	Pointe-a-Pierre	
PLS	Point Lisas	
TPR	Prospect	
TPTC	Pt. Cumana	
SIH	Signal Hill	
SIPA	Siparia	
TOSP	Speyside	
TOB	Tobago	
TRN	Trinidad (W)	
TWMO	Westmoorings	
Turks and Caicos Islands		
GRTK	Grand Turk	
Virgin Islands		
ABV	Anegada	
CGPV	Cottongarden Point	
SCVI	Saint Croix	
SCV	Saint Croix	
SJV	Saint John	
STVI	Saint Thomas	
VST	Saint Thomas	
CDVI	St. Croix	
TBVI	Tortola	
VGVI	Virgin Gorda	
GPV	Virgin Gorda Peak	

CENTRAL AMERICA

Costa Rica		
AMAS	Alto Masis	
A492	Arado	
AR1	Arenal	
ARE1	Arenal 1	
AROL	Arenal Observatory Lodge	
BANL	Banca Lucia	
LAJ	Bijagual	
GPS3	Bodega del ICE en Pailas	
GB1A	Borinquen Arriba	
BUS	Buena Vista	
BUEV	Buena Vista	
AR7	Cape Frico	
APPA	Casa Mˆ¡quinas Las Pailas	
APGM	Casa Mˆ¡quinas Miravalles	
CASO	Castillo	
CDL2	Cedral	CDRL
CDRL	Cedral	
ACR	Cerro Adams	
CDM	Cerro de Muerte	
CGAC	Cerro Gallo	
CGA2	Cerro Gallo 2	
AR6	Chiripa	
CHPA	Chiripa	
CAO	Cobano	
ICCO	Coco Island	
COLC	Colonia	
COCR	Colorado	
CTCR	Cotoan	
A10	Crater	
CUI	Cuipilapa	
2RIO	Dos Rios de Upala	
A495	El Viejo	
SJS	Escuela Geologia	
EPA	Esparza	
FIBO	Fila Bonilla	
FICA	Fila Carbon	
LAPC	Finca la Perla	
GBS3	Finca Las Imˆ¡genes	
FORC	Fortuna	
GPS1	Guardaparques de Rincˆ‡n de la Vieja	
GUAB	Guayabo de Bagaces	
HDC	Heredia	
HDC2	Heredia 2	
HORNC	Hornillas	
GPS2	Hotel Rincˆ‡n de la Vieja Lodge	
IDC	Isla del Cano	
ICO	Isla del Coco	
JCR	Jicaral	

Code	*Station Name*	*Other*
JUD	Juan Diaz	
JUD2	Juan Diaz 2	
JTS	JuntasAbangares	
CRZC	La Cruz	
AR2	Lago de Cote	
CEDE	Laguna Cedˆ–o	
LCR	La Lucha	
LCR2	La Lucha 2	
LLC	La Lucha Farm	
LARO	La Roca	
GBS2	Las Lilas	
LIO	Limon	
LICR	Limon	
LNCR	Limon	
LIM1	Limonal	
LOLA	Los Lagos	
MESS	Mesas	
AR8	Nicoya	
AR9	North	
OCM	Ochomogo	
PALO	Palomo	
A494	Palo Verde	
PTEN	Parque Tenorio	
PICA	Picada	
POA	Poas	
POA2	Poas 2	
PTCR	Potenciana	
POCR	Potenciana 2	
PBO3	Pozo tres de Borinquen	
PUJ	Puerto Jimenez	
MOIN	Puerto Moin	
PBC	Punta Burica	
PRS1	Puriscal	
QCR	Quepos	
QPS	Quepos	
RMCR	Rio Macho	
SDS	Sanatorio Duran	
SJR	San Jose	
A490	San Lazaro	
SPS	San Pedro Poas	
SRA	San Ramon	
AR5	Santa Elena	
SVTC	San Vito de Coto Brus	
SELF	Sixty Eight Flow	
AR4	Solania	
TLLA	Tiendilla	
AR3	Tierras Morenas	
TIG	Tigre	
TRTC	Tortuguero	
TUI	Tuis	
NY14	Universidad de la EARTH en Liberia	
URSC	Urasca	
VCR	Vista de Mar	
VACR	Volcan Arenal	
ICR	Volcan Irazu	
IRZ	Volcan Irazu	
IRZ2	Volcan Irazu 2	
VPS	Volcan Poas	
VPS2	Volcan Poas 2	
RIN3	Volcan Rincon	
RIN	Volcan Rincon	
RIN2	Volcan Rincon	
VTU	Volcan Turrialba	
WARN	West Arenal	
BAR1		
El Salvador		
ADES	Adelaida	
AHU	Ahuachapan	
AYA	Ayagualo	
BLLM	Bellamira	
BOQS	Boqueron	
CAHU	Cacacuatique	
CTAS	Cauta	
CIGS	Centro de Investigaciones Geotecnicas	
COAS	Coatepeque	
CNCH	Conchagua	
CUSS	Cusmapa	
ANGS	El Angel	
LFRS	El Faro	
RTR	El Retiro	
HUES	Huehuecho	
LCBS	La Ceiba	
LFU	La Fuente	
LPS	La Palma	
LBRS	Las Brisas	
AIES	Las Flores	
GRDS	Las Granadillas	
LALZ	Loma Alta	
LGUZ	Los Guarumos	
MTO	Montecristo	
MTO2	Montecristo 2	
NANS	Nanahuazin	
NCS	Nueva Concepcion	
OJOS	Ojo de Agua	
PICS	Picacho	
QZA	Quezalapa	
RBDL	Robledal	
SBLS	San Blas	
SJAS	San Jacinto	
SNJE	San Jose	
VSM	San Miguel	
SSS	San Salvador	
SJUZ	Santa Julia	
SDMZ	Santiago de Maria	
SDM	Santiago Maria	
SNVI	San Vicente	
SNET	Serv Nac Est Terr	
SONS	Sonsonate	
TCPZ	Tecapa	
TME	Tecomasuche	
VSS	Volcan San Salvador	
YPE	Yupe	
SANZ		
MUMZ		
Guatemala		
BVG	Bouganvilia	
BVA	Buena Vista	
CIM	Chimachoy	
APG	El Apazote	
FGO	Fuego	
FGO2	Fuego 2	
FUG	Fuego 3	
GCG	Guatemala City	
HUG	Huitzitzil	
ITG	Itzapa	
IXG	Ixpaco	
JAT	Jato	
JMG	Jumaytepeque	
JNJ	Junjel	
KJA	Kiajanaja	
KIK	Kika Raxquin	
KKG	Kukul	
LHG	La Concha	
CMG	La Cumbre	
CMG2	La Cumbre 2	
FLS	Las Flores	
NBG	Las Nubes	
LVG	La Victoria	
LTG	Los Tablones	
MMG	Magdalena	
MRL	Marmol	
MYT	Moyuta	
OCG	Ocos	
OC2	Ocos 2	
OLG	Olintepeque	
PCG	Pacaya	
PSG	Pto de San Jose	
PSG2	Pto San Jose 2	
QZG	Quezaltepeque	
RDG	Rabinal	
REC	Recreo	
SBL	Sacbachol	
SXG	Sacranix	
SLP	San Antonio	
SJT	SanJuan Tecuaco	
SOG	Santiaguito	
SOG2	Santiaguito 2	
SBG	Sibinal	
SLG	Sinonel	
TCG	Tacana	
TEP	Tecpan	
TP2	Tecpan 2	
TER	Terranova	
VLG	Velasquez	
YUP	Yupiltepeque	
ZIS	Zishin	
FG6		
Honduras		
CHUH	Cerro de Hula	
HLH	Cerro de Hule	
LHAH	Las Aradas	
LTH	Lepaterique	
SSU	San Pedro Sula	
TGUH	Tegucigalpa,Univ of Honduras	
UNAH	Universidad Nacional Autonoma de Honduras	
Nicaragua		
Managua		
CSAN		
HUEN		
ACY	Acoyapa	
AGUN	Aguas Calientes	
WILN	Americas 2	
APY	Apoyeque	
APYN	Apoyeque	
APON	Apoyo	
ASE	Aserradero	
BOA1	Boaco	
BOA	Boaco	
BOAB	BOACO BROADBAND	
CNGN	Cerro Negro	
CHIN	Chinandega	
CNR	Chonco	
COFN	Cofrada	
CONN	Concepcion	
COPN	Copaltepe	
COS	Cosiguina	
CYN	Coyotepe	
CRUN	El Crucero	
XAVN	Gruta Xavier	
JIG	Jinotega	
TISN	Laguna Tiscapa	
LNB	Las Nubes	
LEON	Leon	
LIY	Limay	
MGAN	Managua	
MCH	Masachapa	
MASN	Masaya	
MMO	Medio Mundo	
MIRN	Miramar	
MOCN	Mocoron	
MOBN	Mombacho	
MOMJ	Momotombo	MOMN
MOMN	Momotombo	
MOYN	Moyogalpa	
OME	Ometepe	
PYTN	Playitas	
PYT	Playitas	
PYN	Poneloya	
QUIN	Quiabu	
RTN	Rota	
CRIN	San Cristobal	
SSN	San Juan del Sur	
SSNN	San Juan del Sur	
SMCN	San Marcos	
SCRN	Santa Cruz	
SOMN	Somoto	
TELN	Telica	
TEL3	Telica 3	
TICN	Ticuantepe	
VER	Veracruz	
MADN	Villa Maderas	
Panama		
ACLA	Agua Clara, Sierra Llorona en Colsn	
ACH	Altos	
AZU	Azuero	
BHP	Balboa Heights	
BRU	Baru	
BYN	Bayano	
JEF	Cerro Jefe	
CNI	Changuinola	
ECO	Colon	
ECO2	Colon	
DVD	David	
FH-PM	Fort Sherman	
FH-	Fort Sherman	FH-PM
FTA	Fortuna	
IPE	Ipeti	
BCIP	Isla Barro Colorado	
LGT	Lagarterita	
LVS	La Villa de Los Santos	
UPD2	Meteti	
BASP	Panama	
AZU2	Pedasi@15	
PNME	Penonome	
PTP1	Petroterminal	
PINA	Piqa, Costa Abajo de Colsn	
ARM	Puerto Armuelles	
ARM2	Puerto Armuelles 2	
SFX2	San Felix	
UPD1	Univ de Panama	
UPA	Univ. de Panama@15	
BRU2	Volcan	
ZANG	Zanguenga, Chorrera	
UPIG		
TBS2		

EUROPE

Albania		
BCI	Bajram Curri	
BERA	Berati	
FRZ	Fierza	
KMA	Kami	
KBN	Korca	
KKS	Kukesi	
LACI	Lac	
LSK	Leskovik	
PHP	Peshkopia	
PRZA	Preza	
PUK	Puka	
QSH	Qafa e Shtames	
SRN	Sarande	
SDA	Shkodra	
TPE	Tepelena	
TIR	Tirane	
VLO	Vlora	
Andorra		
PAND	Andorre	
ARBS	La Rabassa	
Austria		
ABTA	Abfaltersbach	
ARSA	Arzberg	
CSNA	Conrad Observatory	
CONA	Conrad Observatory	
DAVA	Damuels	
FETA	Feichten	
GHA	Glashutten	
GRA	Graz	
IBK	Innsbruck	
INN	Innsbruck	
KFA	Klagenfurt	
KBA	Koelnbreinsperre	
KMR	Kremsmunster	
LTA	Leoben	
MZA	Mariazell	
MOA	Molln	
MOTA	Moosalm	
OGA	Obergurgl	
OBKA	Obir	
PIA	Pitten	
RETA	Reutte	
SQTA	Sankt Quirin	
SCE	Schlegeis	
SOKA	Soboth	
MYKA	Terra Mystica	
VIE	Vienna	
VKA	Vienna	
WATA	Walderalm	
WTTA	Wattenberg	
Auvergne		
ACDF	Aurillac	
Azores		
I42PT	GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	
Bayern		
I26DE	FREYUNG INFRASONIC ARRAY REFERENCE POINT	
Belarus		
NE54	Brest	
NE57	Homyel'	
MNK	Minsk	
MICGM	Minsk	
NACGM	Naroch	
NE53	Naroch'	
Belgium		
BBOU	Bougnies	
BCLA	Clavier	
BCES	Court-Saint-Etienne	
BDSL	Dessel	
NE06	Dourbes	DOU
DOU	Dourbes	
BEBN	Eben Emael	
BGES	Gesves	
GIP	Gileppe	
BLCH	La Chartreuse	
BMRD	Maredsous	
MEM	Membach	
BMOL	Mol	
BOPT	Opiter	
BOST	Ostende	
RCHB	Rochefort	
BRQR	Ronquiˆ¤re	
BSTI	Sart Tilman	
SNF	Seneffe	
BSKQ	Steenkerk	
UCC	Uccle	
WRM	Warmifontaine	
BZEV	Zevekote	
NE33		MEM
Bosnia and Herzegovina		
BLY	Banja Luka	
BLJ	Bijeljina	
DOB	Doboj	
HAPS	Han Pijesak,BIH	
MST	Mostar	
SAR	Sarajevo	
TRA	Travnik	
TREB	Trebinje	
Bulgaria		
AVR	AVREN	
DIM	Dimitrovgrad	
KKB	Krupnik	
KDZ	Kurdzhali	
MPEP	Malo Peshtene	
MMB	Musomiste	
NEF	NEVSHA	
PGB	Panagyurishte	
PVL	Pavlikeni	
PLD	Plovdiv	
PSN	Preselentsi	
PRD	Provadia	
ROIA	ROIAK	
RZN	Rozhen	
SOF	Sofiya	
SZH	Strazhica	
VTS	Vitosha	
JMB	Yambol	
Champagne-Ardenne		
RMSF	Reims	
Croatia		
DBR	Dubrovnik	
DUOK	Dugi Otok	
HVAR	Hvar	
KIJV	Kijevo	
NVLJ	Novalja	
POL	Pola	
PTJ	Puntijarka	
RIY	Rijeka	
SEB	Sibenik	
SNJ	Sinj	
SISC	Sisak	
STON	Ston	
UDBI	Udbina	
ZAG	Zagreb	
ZAG*	Zagreb	
Czech Republic		
BERN	Bernov	
BHC	Bohunice	
CHE	Cheb	
CHVC	Chvalec	
DPC	Dobruska-Polom	
GOPC	GO Pecny, Ondrejov, Czech Republic	
HAVC	Havirov	
JIND	Jindrichovice	
KACW	Kace˘ov	
KHC	Kasperske Hory	
KOCW	Kopaniny	
KRLC	Kraliky	
KRCW	Kraslice	
KVC	Kvetna	
LACW	Lazy	
LUBY	Luby	
LBCW	Luby	
KRUC	Moravsky	
MORC	Moravsky Beroun	
MUTC	Mutkov	
NKC	Novy Kostel	
OSTC	Ostas	
OKC	Ostrava-Krasne	
PVCC	Panska Ves	
POCA	Pocatky	
POCW	Po˘¡tky	
PRA	Prague	
PRU	Pruhonice	
SKC	Skalna	
STCW	Studenec	
TREC	Trest	
TRCW	Trojmezˆ›	
UPC	Upice	
VAC	Vackov	
VACK	Vackovec	
JAVC	Velka Javorina	
VRAC	Vranov	
ZHC	Zelena Hora	
LUTC		
CHOC		
ZAPC		
PRSC		
Denmark		
BSD*	Akirkeby	BSD
BSD	Bornholm Skovbrynet	
COP	Copenhagen	
GID	Gilleleje	
GOET	G??ttrup	
LLD	Lille Linde	
NE03	Logumkloster	
NE02	Monsted	
MUD	Monsted U'grnd	
England		
SWG	Swingate, Kent	
Estonia		
ARBE	Arbavere	
MTSE	Matsula	
SRPE	Suurupi	
TTU	Tartu	
TRTE	Tartu	
VSU	Vasula	
Finland		
AAL	Aland	
FINES	FINESS Array Beam Reference Point	
FIA0	FINESS Array Site A0	FINES
FIA1	FINESS Array Site A1	
FIA2	FINESS Array Site A2	
FIA3	FINESS Array Site A3	
FIB1	FINESS Array Site B1	
FIB2	FINESS Array Site B2	
FIB3	FINESS Array Site B3	
FIB4	FINESS Array Site B4	
FIB5	FINESS Array Site B5	
FIB6	FINESS Array Site B6	
FIC1	FINESS Array Site C1	
FIC2	FINESS Array Site C2	
FIC3	FINESS Array Site C3	
FIC4	FINESS Array Site C4	
FIC5	FINESS Array Site C5	
FIC6	FINESS Array Site C6	
HEL	Helsinki	
HEF	Hetta	
JOE	Joensuu	
JOF	Joensuu	

Code	Station Name	Other
KJF	Kajaani	
KJN	Kajaani	
NE62	Kangasniemi	
KAF	Kangasniemi	
KU5	Karpankyla	
KU7	Kasma	
NE63	Kauhava	
KEF	Keuruu	
KEV	Kevo	
KEV1	Kevo	
KIF	Kilpisjarvi	
KU8	KU8	
KU1	Kurvinen	
KU4	Liikasenvaara	
MSF	Maaselka	
MEF	Metsahovi	
NUR	Nurmija@14rvi	
NE61	Nurmija@14rvi	NUR
OUFX	Oulainen	
OUL	Oulu	
PVF	Pernaja	
PKK	Porkkala	
PRF	Porvoo	
PRV	Porvoo	
KU3	Posio	
RAF	Rauma	
KU6	Riekki	
RNF	Rovaniemi	
SDF	Sodankyla	
SGF	Sodankyla@14	
SOD	Sodankyla@14	
SUF	Sumiainen	
KU2	Taivalkoski	
TOF	Tornio	
VRF	Varrio	
VJF	Virojoki	
VAF	Ylistaro	
JYSA		
Former Yugoslav Rep. of Macedonia		
BELI	Belica	
BIA	Bitola	
KAY	Katlanovo	
KOZJ	Kozjak Brana	
KRUS	Krusevo	
LIP	Lipkovo	
MYG	Matka	
KPJ	Monastery St. Joachim Osogovski	
OHR	Ohrid	
SAMO	Samokov	
SKO	Skopje	
STIP	Stip	
VAY	Valandovo	
France		
Alsace		
BAF	Belacker	
CHAF	Chalampe	
CDF	Champ du Feu	
ECH	Echery	
GBF	Grand Ballon	
GWF	Grand Wintersberg	
HOFF	Hoffen	
LANF	Langenberg	
MOF	Molkenrain	
SMM	Ste Marie-Mines	ECH
STR	Strasbourg	
SRBF	Surbourg	
SUBF	Surbourg	
WLS	Welschbruch	
Aquitaine		
ARH	Archignac	
NE10	Arette	
ATE	Arette	
ARTL	Arthez-de-Bearn	
BTH	Betharram	
BOH	Bohocortia	
CESL	Cescau	
ELYF	Elaudy	
ESCF	Escot	
PYF	Esparros	EPF
EPF	Esparros	
ETSF	Etsaut	
ISSF	Issarbe	
JAU	Jaout	
LACL	Lacq	
USIL	Lacq-Usine	
LFF	La Frestale	
LAGL	Lagor	
LARF	Larrau	
NE09	Les Eyzies	
LHE	Lhers	
LDBL	Lucq-de-Bearn	
MADF	Madeleine	
MONL	Mont	
REYF	Montagne du Rey	
ONF	Office Forets	
OGE	Ogeu	
ORDF	Ordiarp	
OSML	Os-Marcillon	
OSSF	Osses	
SJPF	Ste Jean	
Auvergne		
BGF	Bois d'Agland	
CFF	Clermont-Ferrand	
NE16	Clermont-Ferrand	CFF
COLF	Collangettes	
PLDF	La Plantade	
LBL	Lubilhac	
MAF	Mazirat	
MZF	Mazirat	
PYM	Petit Puy Manson	
PDD	Puy-de-Dome	
AGO	Saint Agoulin	
Basse-Normandie		
LDF	La Druitiere	
FLN	La Foliniere	
SSC	Saint Sauveur de Carouges	
Bourgogne		
AVFP	Avril sur Loire	
AVF	Avril sur Loire	
GRC	Garchy	
LBF	Les Buteaux	
LOR	Lormes	
MLV	Malvaux	
POU	Pouilloux	
SSF	Saint Saulge	
SSF1	Saint Saulge	
SMF	Signal de Mont	
Bretagne		
BST	Brest	
LPF	Le Pertre	
QUIF	Quistinic	
RENF	Rennes	
ROSF	Rostrenen	
SGMF	Saint Gilles	
Centre		
NE08	Aigurande	
CLF	Chambon-Foret	
HYF	Humbligny	
Champagne-Ardenne		
MEZF	Maizieres J'ville	
RFYF	Reffroy	
SFTF	Sexfontaines	
Corse		
AJAF	Ajaccio	
CVF	Calvi	
CORF	Corte	
OSPF	L'Ospedale	
LURI	Luri	
PGF	Pioggiola	
SMPL	Sampolo	
CHIF	Chize	
PAGF	Fort de Pagny la Blanche C^-te (52)	
FDAF	Les Forges d'Abel	
MIOU	Port Miou	
STOF	St-Etienne Orgue	
MANF	Vacherie de Mantegas, la Bollene-Vesubie	
Franche Comte		
BSF	Ballon Servance	
BES	Besancon	
CNF	Cerre-les-Noroy	
OG05	Jujurieux	
CABF	La Chapelle	
LOMF	Lomont	
MDGS	Mont de Guillon, France	
ROF	Roppe	
VOU	Vouglans	
Ile-de-France		
PAR	Paris	
VDM	Villiers-Adam	
NE07	Villiers-Adam	VDM
Languedoc-Rousillon		
PERF	Col du Perthus	
FILF	Fillols	
LRDF	Laroque-de-Fa	
MTLF	Montolieu	
MTHF	Mouthoumet	
SJAF	Saint Jean de L'Alberes	
SMCF	Saint Martin du Canigou	
TRGS	Targassone	
VALF	Valcebollere	
VDCF	Villefranche	
Limousin		
FRNF	Fournols	
LSF	La Souterraine	
NE18	Les Rejaudoux	RJF
RJF	Les Rejaudoux	
SER	Sermur	
TCF	Toulx Ste Croix	
VERF	Verneugheol	
Lorraine		
BACF	Baccarat	
HAU	Haudompre	
HINF	Hinteralfeld	
THEF	They Montfort	
VITF	Vittel	
Midi-Pyrenees		
BDB	Bagneres-Bigorre	
CAF	Calviac	
CARF	Carcanieres	
ENSF	Ens	
RESF	Ens	
FESP	Espira	
GRBF	Gourbit	
LABF	Labassere	
LPEF	Le Peyrat	
LPO	Le Pouchou	
LESF	Lescure	
LSPF	Lesparou	
PYLO	Lourdes	
MELF	Melles	
FMON	Montouss^i	
MLS	Moulis	
FNEB	N^bias	
SALF	Salau	
VIEF	Viey	
Nord-Pas-de-Calais		
BAIF	Baives	
DOMF	Dompierre	
GIVF	Givet	
LIL	Lille	
Pays de la Loire		
GRR	Gorron	
LMF	Le Mans	
SGR	Segre	
Picardie		
MENF	Mencas	
Poitou-Charentes		
OLEF	Ile d'Oleron	
LCHF	La Chataigneraie	
LRYF	La Roche-sur-Yon	
MATF	Mathat	
PRYF	Perigny	
MFF	Saint Martin du Fouilloux	
Provence-Cote d'Azur		
OG22	Abries	
ANTF	Antibes	
ARBF	Arbois	
OGAG	Argentiere	
ARTF	Artigues	
ASPF	Aspremont	
AURF	Auriere	
BERF	Bertagne	
OG15	Briangon	
CDR	Cadarache	
CALF	Calern	
CALN	Calern	
CMF	Cannet Maures	
CHDN	Chaudanne	
CBBF	Combe Brimond	
CREF	Crivoux	
OGDI	Digne	
FOUF	Fouillouse	
GANF	Ganagobie	
GELF	Grande-Etoile	
ISO	Isola	
JAUF	Jausiers	
BSTF	la Bastide-des-Jourdans	
FRF	La Foret Royale	
LMR	La Mourre	
AUTN	L'Aution	
OG25	Le Caire	
BLAF	les Blancs	
ESCA	l'Escarene	
LRG	Lorgues	
LUCF	Luceram	
MAR	Marseilles	
MLYF	Mely	
MBDF	Montbardon	
TOUF	Mont Tournerait	
MUIF	Mont Vial	MVIF
MVIF	Mont Vial	
PRAF	Pradon	
PUYF	Puyloubier	
LEPF	PUYLOUBIER	
REVF	Revere	
OG20	Riallon	
ROG	Rognes	
ROU	Rougiers	
RUSF	Rustrel	
OG21	Saint-Cripin	
STET	Saint-Etienne-de-Tinee	
OG19	Saint-Julien-en-Beauchene	
OG14	Saint-Maurice-en-Valgodemard	
SURF	Saint Ours	
SAOF	Saorge	
SMRF	Simiane la Rotonde	
SBF	Sospel	
SPF	St-Paul-en-Foret	
TAVF	Tavernes	
TREF	Trevaresse	
VILF	Villemus	
Rhone-Alpes		
OG18	Albannette	
OG24	Aussois	
BROM	Bains de Bromines	
BOF	Bonneval	
OG32	Castellane	
OG13	Choranche	
OG16	Combovin	
OG08	Commelle	
OG29	Digne	
GDM	Grand'Maison	
GGF	Granges-Gontardes	
GRN	Grenoble	
GRN*	Grenoble	
OG28	Izon-la-Bruisse	
OG04	La Clusaz	
LNS	Lanslevillard	
LPG	La Plagne	
LPL	La Plagne	
OG27	Meolans	
OG02	Monnetier-Mornex	
OG11	Montagny	
MNY	Monteynard	
OG06	Moye	
OG34	Musihges	
ORIF	Oris-en-Rattier	
PCHF	Pas de la Coche	
OG17	Prunihres	
RSL	Roselend	
OG33	Roure	
OG07	Sainte-Reine	
OG10	Saint-Etienne-de-Cuines	
VIVF	Saint-Julien-le-Roux	
OCF	Saint Nazaire	
SSB	Saint Sauveur en Rue	
OG09	Saint-Thibaud-de-Couz	
OG03	Samoens	
OGSI	Sixt	
SOU	Souberoche	
LASF	Ste Croix	
OG26	St.-Nazaire-Desert	OCF
OG23	Tende	
OG01	Vacheresse	
OG12	Villaroger	
OG30	Villeneuve d'Entraunes	
Franche Comte		
CHMF	Charmoille	
Germany		
Baden-Wurttemberg		
BUCH	Bad Urach	
BEU	Beuren	
BFO	Black Forest	
BHBD	Braunhartsberg	
BREM	Bremgarten	
BUH	Buhlerhohe	
EFR	Efringen	
ENDD	Endenburg	
ENGD	Engstlatt	
ERPF	Erpfingen	
FEL	Feldberg	
FELD	Feldberg im Schwarzwald	
FBB	Freiburg im Breisgau	
FWS	Furtwangen	
GUT	Gutenstein	
HSND	Hausen	
HEI	Heidelberg (Koenigstuhl)	
HDH	Heidenheim-Charlottenhoehle	
HOH	Hohenheim	
HTN	Hohentengen	
HUN	Hundersingen	
JUND	Jungingen	
KRL	Karlsruhe	
KRW	Karlsruhe West	
KIZ	Kirchzarten	
LBG	Lerchenberg	
LIBD	Limburg	
LOES	Loerrach-Stetten	
MSS	Messtetten	
MSG	Moessingen	
NEI	Neipperg	
OFBG	Offenburg	
OPP	Oppenau	
RAV	Ravensburg	
SWS	Schriesheim-Wilhelmstollen	
SGW	Sigmaringen-Wittberg	
SIND	Sindeldorf	
SISB	Singen-Schiener Berg	
SPAK	Spaichingen-Kochelsberg	
STAB	Staufenbuehl	
STAU	Staufen im Breisgau	
STU	Stuttgart	
TUB	Tubingen	
TUBL	Tuebingen-Lennartz	
UBR	Ueberruh	
WEIL	Weil am Rhein	
WYH	Wyhlen	
Bayern		
ALTM	Altmuhljura-Amtmannsdorf	
BHG	Bad Reichenhall	
BGLD	Berchtesgaden	
CHKA	Cham-Katzbach	
FALK	Falkenberg	
FUR	Furstenfeldbruck	
PART	Garmisch-Partenkirchen	
GAP	Garmisch-Partenkirchen	
GAPA	Garmisch-Partenkirchen	
GERES	GERESS Array Beam Reference Point	
GEA0	GERESS Array Site A0	
GEA1	GERESS Array Site A1	
GEA2	GERESS Array Site A2	
GEA3	GERESS Array Site A3	
GEB1	GERESS Array Site B1	
GEB2	GERESS Array Site B2	
GEB3	GERESS Array Site B3	
GEB4	GERESS Array Site B4	
GEB5	GERESS Array Site B5	
GEC1	GERESS Array Site C1	
GEC2	GERESS Array Site C2	GERES
GEC3	GERESS Array Site C3	
GEC4	GERESS Array Site C4	
GEC5	GERESS Array Site C5	
GEC6	GERESS Array Site C6	
GEC7	GERESS Array Site C7	
GED1	GERESS Array Site D1	
GED2	GERESS Array Site D2	
GED3	GERESS Array Site D3	
GED4	GERESS Array Site D4	
GED5	GERESS Array Site D5	
GED6	GERESS Array Site D6	
GED7	GERESS Array Site D7	
GED8	GERESS Array Site D8	
GED9	GERESS Array Site D9	
GRFO	Grafenberg	
GG-GR	Grafenberg	
SB-	Grafenberg Ar.	GRF
GG-	Grafenberg Ar.	GG-GR
GRA1	Grafenberg Array	GRF
GRA2	Grafenberg Array	
GRA3	Grafenberg Array	
GRA4	Grafenberg Array	
GRB1	Grafenberg Array	
GRB2	Grafenberg Array	
GRB3	Grafenberg Array	
GRB4	Grafenberg Array	
GRB5	Grafenberg Array	
GRC1	Grafenberg Array	
GRC2	Grafenberg Array	
GRC3	Grafenberg Array	
GRC4	Grafenberg Array	
GRF	Grafenberg Array	
MGBB	Grossbuechelberg	
MHAI	Haid-Arzberg	
RHAM	Hammer	
HOF	Hof	
HROE	Hohe Rhon--Flad	
RJOB	Jochberg	
MANZ	Manzenberg	
RMOA	Moar Alm	
MNH	Munich	
NAPF	Napfberg	
RNHA	Neuhaus	
NORI	Noerdlinger Ries-Bissingen	
RNON	Nonn-Bad Reichenhall	
NRD	Nordlingen	
NOTT	Nottersdorf	
OBER	Oberstdorf	
MROB	Rosenbuehl-Arzberg	
ROTZ	Rotzenmuhle	
MSBB	Schoenbrunner Berg-Wunsiedel	
VIEL	Selb-Vielitz	
WET	Wettzell	
RWMO	Wildenmoos	
MZEK	Zeckenberg-Ebnath	
Berlin		
BRN	Berlin	
BRL	Berlin--Free University	
BRNL	Berlin--Lankwitz	
Brandenburg		
POT	Potsdam	
ASSE	Asse, Remlingen/Germany	
ENTS	Ennepetalsperre	
GTTG	Gvttingen	
OLFT	Oleftalsperre	
RUE	Ruedersdorf	
BHE	Schloss Buerresheim	
SORT	Sorpetalsperre	
TDN	Todenfeld	
HES	Velbert-Hespertal	
WBS	Wahnbachtalsperre	
LOH	Wallersheim-Loch	
RWB	Wassenberg	
Hamburg		
HAM	Hamburg	
Hessen		
GWBC	Aumenau	
WBH	Biblis	
WBG	Bieber	
WBB	Darmstadt	
ESP	Espenschied	
WBA	Furth	
HAT	Hattorf	
JUG	Jugenheim	
WBD	Lorch/Rhein	
GWBF	Romrod	
TNS	Taunus Mts	
TOD	Tromm	
UBBA	Unterbreizbach	
GWBE	Wiesbaden	
Mecklenberg-Vorpommern		
LID	Liddow	
RGN	Rugen	
Niedersachsen		
CLZ	Clausthal	
GTT	Gottingen	
NRDL	Niedersach Riedel	
Nordrhein-Westfalen		
AAC	Aachen	
BA01	Aachen	
BAHL	Ahlen	

Code	Station Name	Other
BA12	Beaesweiler	
BNS	Bensberg	
BA09	Bensberg	
BEG	Bergheim	
BD01	Bergheim Laurentius Kirche	
NE35	Billerbeck	
BOC	Bochum	
NE36	Bochum	
BUG	Bochum--University	
BD11	Borschemich	
BD12	Bourheim	
CLG	Cologne	
BA08	Dellbruck	
DREG	Dreilaegerbach Talsperre	
BA11	Duren	
BA04	Fiesheim UWZ	
BA17	Glehn	
GSH	Grosshau	
BD04	Gut Margarthenhoehe	
BD05	Hambach	
BD08	Hambach Funkstation	
BA15	Heimerzheim	
HRH	Heinrich-Robert Mine	
BA13	Heinsberg	
BZER	Hlnxe	
BD09	Hochneukirch	
HOBG	Hohbusch	
HOK	Hohkeppel	
BA06	Horem	
BHXE	Hunxe	
IBBN	Ibbenburen	
JCK	Jackerath	
JUE	Julich	
KLL	Kalltalsperre	
BA10	Klein Altendorf	
BA19	Koln Dom Grabung	
BA07	Koln University	
NE39	Krefeld	
LAUG	Laupendahl	
MEC	Mechernich	
NE34	Mettingen	
BD03	Millendorf	
MWG	Munster	
BD10	Pesch	
PLH	Pulheim	
BRHE	Rheinberg	
RPM	Rheinpreussen Mine	
RODG	Roetgen-Dahlheim	
BD07	Roetschberg	
BKLB	Ruhr-University Bochum--Klosterbusch Mine	
BSHA	Ruhr-University Bochum--Staatshockbauamt	
BTEZ	Ruhr-University Bochum--Technical Center	
BA05	Sindorf	
STB	Steinbach	
BA18	Steinbach	
BA02	Stolberg	
BD02	Tagebau Bergheim	
BA16	Vanikum	
BA03	Weissweiler	
BA14	Wollersheim	
NE41	Zyfflich	
Rheinland-Pfalz		
ABH	Alteburg	
BIW	Bindweide	
BLI	Bleialf	
BGG	Burgeitz	
DUP	Duppenweiler	
FACH	Fachingen	
HILG	Hillesheim	
FSH	Hochheid	
IMS	Imsbach	
KTD	Kalmit	
KOE	Koeppel	
PEB	Petersbachel	
PIR	Pirmasens	
RIVT	Riveris	
RUP	Ruppelstein	
Sachsen		
BRG	Berggiesshubel	
CLL	Collm	
FBE	Freiberg	
GUNZ	Gunzen	
LEI	Leipzig	
MULD	Muldenberg	
TRIB	Obertriebel	
ROHR	Rohrbach	
SCHF	Schoenfels	
TANN	Tannenbergsthal	
WERD	Werda	
WERN	Wernitzgruen	
WUET	Wuestenhain	
Sachsen-Anhalt		
HLE	Halle	
NEUB	Neuenburg	
WIMM	Wimmelburg	
Schleswig-Holstein		
BSEG	Bad Segeberg	
HLG	Helgoland	
Thuringen		
HKWD	Heukewalde	
HWTS	Hohenwarte Talsperre	
JEN	Jena	
KBDG	Kleinbodungen	
MODW	Modelwitz	
MOX	Moxa	
PLN	Plauen	
SCHD	Schmiedefeld	
SON	Sonneberg	
TAUT	Tautenburg	
VITZ	Vitzeroda	
Greece		
Crete		
IDI	Anoyia	
CHAN	Chania	
FODE	Fodele	
GVD	Gavdhos	
GAVD	Gavdhos	
GVDS	Gavdos	
IACM	Heraklion	
IMMV	Iera Moni Metamorfosis, Varipetro, Chania, Crete	
FRMA	Ierapetra Chania	
KLDN	Kaloudiana Chania	
KARN	Karanos	
KRPT	Karpathos	
KSTL	Kastelli Heraklio	
KERA	Keramoti	
XRY	Khrisi	
KRIS	Kristallenia	
KTHR	Kythira	
LAST	Lasithi	
APEZ	Moni Apezanon	
NPS	Neapolis	
KNDR	Palaiochora Chania	
PRNS	Prines Rethymno	
STIA	Sitia Lasithi	
SIVA	Sivas	
SKOR	Skordalos	
AKRT	Stavros Akrotiri	
TMBK	Timbaki Heraklio	
VAM	Vamos	
ZKR	Zakros	
ACOR	Acrocorinthos	
VAG	Aggia Anna	
MHLO	Agia Marina, Milos Island	
AXAR	Agios Charalampos	
AGG	Agios Georgios	
DYR	Agios Nikonas	
ALN	Alexandroupolis	
AOS	Alonnisos	
AMOR	Amorgos	
KFL	Anninata	
ANX	Ano Chora	
ANKY	Antikythira Island	
APE	Apeiranthos	
APER	Aper	
AXS	Araxos	
ARX	ARAXOS	
ARG	Arkhangelos	
RHD	Arkhangelos	ARG
AMT	Artemida-Makistos	
ATAL	Atalanti	
ATU	Athens Obs.	ATH
ATH	Athens Observatory	
ATHU	Athens University	
THT1	Athinios (Pelekanos)	
CHOS	Chios island	
CMBO	Columbo, Santorini Isl.	
DVI	Derveni	
DSF	Desfina	
DESF	Desfina	
DID	Didima	
DIDY	Didyma	
DDN	Dodoni	
DRO	Drossia	
EFP	Efpalio	
EREA	Eretria	
ERET	Eretria	
VTH	Erithrai	
EVR	Evrytania	
EXG	Exogi	
VFI	Filaki	
THR7	Fira-Santorini	
FNA	Florina	
FYTO	Fytoko, Volos	
MGER	Gerania Oros	
VGL	Glafira	
GUR	Goura	
GRG	Griva	
HORT	Hortiatis	
IGT	Igoumenitsa	
ITHO	Ithomi	
ITM	Ithomi	
JAN	Janina	
KLV	Kalavryta, Achaia	
KALE	Kalithea	
KAP	Karpathos	
KARP	Karpathos	
KTI	Kastanea	
KSL	Kastellorizon	
KSO	Kastoria	
VRS	Kato Vasiliki	
KAVA	Kavala	
KVR	Kavouri	
KNT	Kendrikon	
KEK	Kerkira	
XIO	Khios Island	
KPRO	Kipourio	
MKIT	Kithairon Oros	
KYTH	Kithira	
KNS	Konitsa	
KOUM	Koumaradei	
KZN	Kozani	
KRND	KRANIDI	
LAKA	Lakka	
LKD2	Lefkada island	
LKD	Levkas	
LOS	Limnos	
LIA	Limnos Island	
LIT	Litokhoron	
LKR	Lokris	
LTRA	Loutraki	
LOUT	Loutraki	
LTK	Loutraki	
MAKR	Makrakomi, Fthiotida	
MAMO	Mamousia	
VMA	Markates	
MRKA	Markates	
MRMA	Marmari	
MEV	Metsovon	
MHL	Milos	
NFP	NAFPAKTOS	
VNE	Neochorion	
NEO	Neokhori	
NEST	Nestorio	
NVR	Nevrokopi	
NISR	Nisiros	
NAIG	Nisos Aigina	
NSAL	Nisos Salamina	
NIS4	Nisyros Isl.	
NIS3	Nisyros Isl.	
NIS1	Nisyros Isl.	
NIS2	Nisyros Isl.	
OUR	Ouranopolis	
DSL	Palaion Diasellon	
PAIG	Paliouri	
PRK	Paraskevi	
PVO	Paravola	
RGA	Parga	
MPAR	Parnis Oros	
PAT	Patras	
VPA	Pavliani	
PENT	Pentalofos	
PTL	Penteli	
VIL2	Platees	
PLG	Polygyros	
PDO	Prodromos	
PROD	Prodromos	
PSA1	Psathopyrgos	
PYL	PYLOS	
RHO	Rhodes	
RLS	Riolos of Patras	
RDO	Rodhopi	
RODI	Rodini	
SGD	Sagiada	
SMG	Samos	
SMS	Samos	
SMTH	Samothraki Island	
SANT	Santorini	
SELA	Sela	
SERG	Sergoula	
SERI	Serifos	
SRS	Serrai	
SIGR	SIGRI	
SMIA	Simia	
VSI	Simia	
SKIA	Skiathos	
SKY	Skiros Island	
VSK	Skopelos	
SOH	Sokhos	
SFD	Strofades	
THAL	Thalero	
THR1	Thera Island	
THE	Thessaloniki	
THR6	Thira Island, Akrotiri	
THR5	Thira Island, Kera	
THR3	Thira Island, Nea Kammeni	
THR4	Thira Island, Oia	
THR2	Thira island, Vourvoulos	
TRAZ	Trapeza	
TRIZ	Trizonia	
UPR	University Campus, Patras University	
VLS	Valsamata	
VLI	Veliai	
VIL1	Vilia, Western Attica	
VILL	Villia	
VTN	Vitineika	
VLX	Vlachokerasia	
VOL	Volimes	
VVK	Vomvokou	
VLY	Voula,Athens	
VNG	Vunargo	
XOR	Xorichti	
ZKS	Zakynthos	
ZAN	Zante	
Hungary		
RHK1	Bakonya	
RHK2	Bata	
BEHE	Becsehely	
BKE	Bekescsaba	
PKS6	Bocsa	
BUD	Budapest	
PKSC	Csakvar	
CSKK	Cs˙‡kako	
DEB	Debrecen	
GYL	Gyula	
JOS	Josvafo	
KAL	Kalocsa	
PKS2	Kecel	
KEC	Kecskemet	
PKS7	Kunszentmiklos	
PKSM	Moragy	
PKSN	Nyarlorinc	
PENC	Penc	
PSZ	Piszkesteto	
PKS8	Sarbogard	
SOP	Sopron	
SZE	Szeged	
PKS9	Tamasi	
TRPA	Tarpa	
RHK3	Tenkes	
PKST	T˜s	
TIH	Tihany	
UZD	Uzd	
PKSG		
ETYK		
Ireland		
ECP	Carnsore Point	
IWEX	Carrickbyrne, Co Wexford	
ECB	Carrickbyrne Hill	
CORK	Cork	
DCN	Croghan	
DSB	Dublin	
DMS	Dublin Merrion Square	
DDK	Dunsink Observatory	
IGLA	Glengowla, Co Galway	
IDGL	Inch Island, Co Donegal	
DKM	Kilmashogue	
DMU	Kingscourt	
DMUB	Kingscourt	
DLE	Lyons Estate	
DLF	Lyons Farm	
DUB	Rathfarnham	
ETA	Tara	
VAL	Valentia	
Italy		
T0402	Abbadia di Fiastra (Tolentino)	
NARO	Abbazia di Naro	
ABSI	Aberstueckl	
ABRE	Abriola	
RM31	Accumuli	
ACER	Acerenza	
ACOM	Acomizza, Italy	
ADRI	Adria, Italy	
AGOR	Agordo	
ALJA	Alia	
TO02	Allumiere - RM	
AFL	Alpe Faloria	
AMUR	Altamura	
AMI	Amelia	
AM9	Amelia	AMI
AOI	Ancona	
ANS	Ancona	
ME06	Antenna a Mare	
APPI	Appiano	
ACI	Arcavacata	
ARVD	Arcevia	
ARV	Arcevia	
ARCI	Arcidosso	
ARME	Armento	
ALP	Ascoli Pisceno	
MASO	Asolo, Italy	
ASQU	Asqua	
RM28	Assergi	
ASS	Assisi	
ASSB	Assisi San Benedetto	
AZI	Avezzano	
ATCC	AVT- Casa Castalda	
ATLO	AVT- Montelovesco	
ATTE	AVT- Monte Tezio	
ATVA	AVT- Monte Valcinella	
ATVO	AVT- Monte Valentino	
BACM	Baccana	
BADI	Badiali	
BDI	Bagni Di Lucca	
BAG8	Bagolino	
BAI2	Baranello	
TO08	Barbarano Romano - VT	
BNI	Bardonecchia	
BAI	Bari	
BAI*	Bari	
BRT	Bari-Castellana	
BRSN	Barisano	
RM14	Barisciano	
BSS	Baronissi	
BLLA	Bellaria	
BNV	Benevento	
BAD	Bernadia	
BERI	Bernadia	BAD
BIBN	Bibbiana	
MOCO	Biccari - m.te Cornacchia	
BOB	Bobbio (Coli)	
BOL	Bologna	
BLZ	Bolzano	
RM20	Borbona	
BORI	Bordano	BOO
BOO	Bordano	
BSL	Borgo	
BL1	Borgo	BSL
BOSL	Borgo San Lorenzo	
BVT	Borgo Val di Taro	
BRMO	Bormio	
BORS	Borseda	
BOTT	Botticino	
BOSI	Bozen	
BRES	Bressanone	
BHB	Bricherasio	
BRIE	Brienza	
BIE	Brione	
BRIS	BRISIGHELLA	
ME04	Brognaturo	
BUA	Buia	
BUII	Buia	BUA
BULG	Bulgheria - Camerota	
BSSO	Busso	
CKI	Cairo Montenotte	
MCRV	Calabrutti - M.te Cervialto	
CALI	Calice al Cornoviglio	
CLTR	Calitri	
CIO	Camerino	
CMR	Camerino	
CMPR	Campora	
CAMP	Campotosto	
CMPO	Campotto Po	
TO03	Canale Monterano - RM	
FG4	Candela	
CAE	Caneva	
RE02	Canossa - RE	
ATCA	Cantone	
CAP	Capodimonte	
SN1	Capo Mulini Mare	
CVI	Capo Vaticano	
CRE	Caprese Michel	
LEOD	Capriano del Colle	
CAPR	Capriolo	
RM27	Carapelle Calvisio	
CRDM	Cardoso	
CAFE	Carife	
CRMI	Carmignano	
CARO	Carolei	
CAR1	CAROLEI	
CII	Carovilli	
CRVI	Carovilli	
CPI2	Carpinone	
CSCL	Casacalenda	
T0203	Casalattico (FR)	
RM12	Casamaina	
CAS	Casamari	
OC9	Casamicciola	
CSM	Casamicciola	
T0201	Case Giovannangeli - (Balsorano -AQ)	
CSMI	Casera Mimoias	
CSZ	Casera Razzo	
CSI	Cassano Ionio	
CSSN	Cassano Irpino	
CSO	Casso	
CDT	Castel del Monte	
CAFR	Castel Frentano	
CTL8	Castelleone	
CSNT	Castellina Chianti	
RE08	Castello di San Valentino (Castellarano) - RE	
ME07	Castell'Umberto	
CTI	Castel Tesino	
AT04	Castiglione Aldobrando (Gubbio) - PG	
CASP	Castiglione della Pescaia	
RM15	Castiglione (Tornimparte)	
CAFI	Castiglion Fiorentino	
CUC	Castrocucco	
AT07	Catigliano (Citt˜ di Castello) - PG	
CAV	Cavalese	
MTOM	Cavaso del Tomba, Italy	
CEL	Celeste	
RM30	Cerqua	
CERT	Cerreto	
RM10	Cesaproba (Montereale)	
CESX	Cesi	
CESI	CESI - Serravalle di Chienti	
CIRO	Champorcher	
CHV	Chiavari	
CGRP	Cima Grappa	
CIMO	Cimolais	

Code	*Station Name*	*Other*
CING	Cingoli	
ME10	Cittanova	
CDCA	Citt' di Castello	
CDRU	Civita di Ruta - Ottati	
TO09	Civitella Cesi - VT	
CLA1	Claut1	
CLAB	ClautB	
CLUD	Cludinico	
CODM	Codolo	
RM24	Colle Belvedere (Rocca di Mezzo)	
RM07	Collebrencioni	
RM11	Collenoveri	
T0110	Collepietro	
RM02	Colle Roio	
SMB1	Colle San Martino	
CLLN	Colliano	
RM05	Colli (Barete)	
CLR	Collurania	
COLI	Coloredo	
VARN	Col Varnada, Mel (BL)	
CNCS	Concesio	
T0109	Coppito (AQ)	
CRN	Corinaldo	
AD04	Corinaldo (AN)	
COPE	Corleto Perticara	
MCOR	Cornuda. Italy	
CODE	Correggio	
ZAVE	Correggio Bag	
FANE	Correggio Fan	
MAN1	Correggio Man	
SILE	Correggio--Silva	
CRAC	Craco	
CUSI	Cussignacco Udine	
DPS	Deserto Penisola Sorrentina	
DP1	Deserto P. S.	DPS
DSB1	Difesa San Luca	
ME05	Diga del Menta	
DMD	Domodossola	
DDS	Dosso del Sommo	
DRE	Drenchia	
DUI	Duronia	
ENR	Entracque	
ERBM	Eremo	
ERT	Erto-Casso	
SNTG	Esanatoglia	
EMCN	Etna Monte Conca	
EMFS	Etna Monte Frumento Supino	
FAE	Faenza	
FAEN	Faenza	
FAGN	Fagnano	
RM18	Fano Adriatico	
MFAN	Fanzolo, Italy	
MPRO	Farra di Soligo, Italy	
FENE	Fenestrelle	
FECT	Ferrara Citta	
FIAM	Fiamignano	
RM08	Filetto	
CERA	Filignano	
FIN	Finale Ligure	
FINB	Finale Ligure	
FDMO	Fiordimonte	
FIR	Firenze	
FIVI	Fivizzano	
FG1	Foggia	FOG
FOG	Foggia	
FGG	Foggia	FOG
FOL	Foligno	
FNVD	Fontana Vidola	
FAU	Forcella Aurine	
FOA	Forni Avoltri	
FVI	Forni Avoltri	
FSI	Fosdinovo	
FS1	Fosdinovo	FSI
FSSB	Fossombrone	
AT08	Fraticciola Selvatica (Perugia) - PG	
MFRE	Fregona, Italy	
FRES	Fresagrandinaria	
FRON	Frontone	
FROS	Frosini	
FSC	Fuscaldo	
FUSE	Fusea	
GALF	Gagliano Castelferrato	
GMB	Gambarie	
GATE	Gambatesa	
GAVE	Gavelli	
GAZZ	Gazzo Veronese (Italy)	
GEPF	Gemona	
GMNA	Gemona	
GEN	Genova	
GENL	Genova University	
GRFL	Gerfalco	
ME15	Gioiosa Marea	
GRI	Girifalco	
GIUL	Giuliano Di Roma	
GRAM	Graiana	
GIGS	Gran Sasso	
SGG	Gregorio Matese	
MOSI	Grossmontoni	
GUMA	Gualdo di Macerata	
GUAR	Guarcino	
GSCL	Gusciola	
IMOL	Imola, Italy	
IMI	Imperia	
INTR	Introdacqua	
IOCA	Ischia Osservatorio Casamicciola	
GROG	Isola di Gorgona	
GORG	Isola Di Gorgona	
IESO	Jesolo	
JOPP	Joppolo	
KOSI	Kohlern	
LSD	Lago del Serru	
LPEL	Lama dei Peligni	
LPD	Lampedusa	
LAV9	Lanuvio	
AQU	L'Aquila	
T0103	L'Aquila	
LATE	Laterza	
LTRZ	Laterza	
LCI	Lecce	
LIV	Leghorn	
LNSS	Leonessa	
LPI	Lipari	
RM01	Lucoli (AQ)	
AT02	Lugnano (Citt^ di Castello) - PG	
LSR	Lussari	
LMD	Lutirano	
MCGN	Macugnaga	
T0104	Madonna delle Grazie (Coppito)	
MAGA	Magasa	
MSSA	Maissana	
MABI	Malga Bissina	
MGRD	Malga Garda, Italy	
MLNI	Malnisio	
MNTV	Mantova	
MARN	Marana (Italy)	
MMAR	Mareno di Piave, Italy	
MA9	Marino	
MARE	Marsico Vetere	
MAIM	Mastiano	
MATE	Matera	
MELA	Melanico ??? S. Croce di Magliano	
AD01	Meldola (FC)	
MERA	Merate	
MESG	Mesagne	
RM22	Micigliano	
MIGL	Miglionico	
MIL	Milan	
MILN	Milano	
MLE	Mileto	
FIU	Minerbio Fiu	
PASE	Minerbio--Passere	
TORE	Minerbio--Torre	
MRVN	Minervino Murge	
MIDA	Miranda	
SGIA	Mirandola	
ME01	Mistretta	
MODE	Modena	
MOLE	Moliterno	
AD03	Mombaroccio (PU)	
MNC	Moncalieri	
MONC	Moncucco Torinese	
AD02	Mondaino (RN)	
MODR	Mondragone	
MONE	Monesi	
AT03	Montalto (Apecchio) - PU	
MNS	Montasola	
MA1	Montasola	MNS
MAB1	Monte Acero	
MAO	Monte Argentario	
MAON	Monte Argentario	
BALI	Monte Baldo	
BALD	Monte Baldo	
MMBI	Montebello Ionico	
MBEL	Montebelluna (TV), Italy	
MCI	Monte Cassino	
ATMC	Monte Cedrone	
MTCE	Montecelio	
MME	Monte Cimone	
MCIV	Monte Civitella	
CZI	Monte Cocuzzo	
MOCL	Monte Cuccoli	
ATFO	Monte Foce - Gubbio	
MGAB	Montegabbione	
SSFR	Montelago di Sassoferrato	
MTLO	Montello	
MSC	Monte Massico	
PZZT	Monte Pizzetto	
MPRI	Monte Prat	
MTRZ	Monterenzio	
MRB1	Monte Rocchetta	
SEST	Monte Rota	
MSAG	Monte S. Angelo	
MTSN	Montesano sulla Marcellana	
FGMS	Monte Sant'Angelo	
MS1	Monte Sant'Angelo (FG)	
MSB1	Montesarchio	
SIRI	Monte Sirino - Moliterno	
MURB	Monte Urbino	
VULT	Monte Vulture - Melfi	
MCEL	Monticello	
MDI	Monti di Nese	
T0401	Montottone (Fermo)	
MRGE	Morge	
MGR	Morigerati	
MMN	Mormanno	
RM25	Mosicchio (Amatrice)	
MTTG	Motta San Giovanni	
SABO	M.te Sabotino	
FG3	Mte Sant'Angelo	
RE1	Mte Valcellina	RCL
RCL	Mte Valcellina	
MRVI	Mt Valcellina	RCL
MRLC	Muro Lucano	
NPL	Naples	
RE01	Neviano degli Arduini - PR	
ENIC	Nicolosi	
NOCI	Noci	
NL9	Nola	
NRCA	Norcia	
NOVE	Novellara	
ROCE	Novi Di Modena	
OFFI	Offida	
OPPE	Oppeano	
OR1	Oriolo Calabro	ORI
ORI	Oriolo Calabro	
ORO	Oropa	
ORX	Oropa	
FG5	Orsara di Puglia	
OII	Orti	
ORZI	Orzinuovi	
OSKI	Oschiri	
AD06	Osimo (AN)	
PAD	Padua	
PALZ	Palazzo San Gervasio	
PLMA	Palmaria, Porto Venere	
ME03	Palmi	
PANI	Panarotta	
PAOL	Paolisi	
PARC	Parchiule	
PRMA	PARMA	
SATI	Passo dei Salati	
RM26	Passo delle Capannelle	
PTCC	Patocco-Chiusaforte	
PLRO	Paularo	
EUCT	Pavia	
PAV	Pavia	
RM33	Pellescritta (Montereale)	
ME09	Pentidattilo	
PRG	Perugia	
PEG	Perugia	PRG
PS1	Pesaro	PRO
PESA	Pesaro	
PRO	Pesaro	
T0204	Pescasseroli (AQ)	
PSB1	Pescosannita	
IPES	Pescosannita	
PE1	Pezze di Greco (BR)	
PCN	Piacenza	
PCP	Piancastagn	
RM09	Piano di Cascina (Cagnano Amiterno)	
PIEI	Pieia	
ATPI	Pietralunga - Aviosuperficie	
PIPA	Pietrapaola	
PTRP	Pietrapertosa	
PTQR	Pietraquaria	
PTRJ	Pietraroja	
PDC	Pieve di Cadore	
PIGN	Pignataro Maggiore	
PGN3	Pignola, Italy	
PNI	Pinerolo	
PII	Pisa	
PIS	Pisa	
PSL	Pistoia	
RE07	Pizzano Val di Parma - PR	
PLAC	Placanica	
RM32	Poggio Cancelli	
ATPC	Poggio Castellaccio	
T0108	Poggio di Roio	
T0101	Poggio Santa Maria	
AT06	Poggio Sant'Ercolano (Gualdo Tadino) PG	
PGD	Poggio Sodo	
POLC	Polcenigo	
PO9	Polino	POI
POI	Polino	
PMP	Pompeii	
POBI	Pontebba	
POPM	Popiglio	
PTC	Porto Cannone	
PDI	Porto d'Ischia	
POFI	Posta Fibreno	
PZUN	Potenza	
PZF	Pozza Ferrara, Ferrara di Monte Baldo (VR)	
PLI2	Pozzilli	
EPOZ	Pozzillo	
IPOZ	Pozzuoli	
MPRD	Prada, Italy	
PTF	Prato	
RE06	Pratopiano (Palanzano) - PR	
PRT	Prato-Toscana	
AT01	Promano (Citt^ di Castello) - PG	
QRI	Quarto	
QCI	Quattro Castella	
QLNO	Quiliano	
AT05	Racchiusole (Umbertide) PG	
RBL	Raibl	
RAVA	Ravarino	
MREF	Refrontolo, Italy	
MRCB	Reggio Calabria	
RCI	Reggio Calabria	
RISI	Rein	
RSP	Reno Superiore	
RESU	Resuttano	
T0205	Ridotti (Balsorano, AQ)	
RGNG	Rignano Grg	
RNI2	Rionero Sannitico	
ROB	Robourent	
RM04	Rocca di Mezzo	
RDP	Rocca di Papa	
RFI	Roccamonfina	
RRL	Rocca Remolon	
RMI2	Roccaromana	
RORO	Rocca Rossa	
RONM	Roccetta Nervino	
ROTM	Rocchetta Tanaro	
RVI2	Rocchetta Volt	
T0106	Roio Piano	
ROM9	Roma	
ROM	Rome	
RMP	Rome, Mte Porzio	
RNI	Roncone	
ROI	Rossano	
ROSI	Rosskopf	
RM13	Rovere (Rocca di Mezzo)	
ROVE	Rovereto Di Novi	
ROVR	Rover^¤ Veronese	
SLCN	Sala Consilina	
SLNA	Salina	
SAL	Salo	
SALO	Salr	
SOI	Samo	
SACS	San Casciano dei Bagni	
DOI	San Damiano	
SDI	San Donato	
ME02	San Fratello	
SNAL	S. Angelo Dei Lombardi	
SGRT	San Giovanni Rotondo	
SALB	San Lorenzo Bellizzi	
SMA1	SAN MARTINO	
RM03	San Martino d'Ocre	
LADO	San Nicola dell'Alto	
T0107	San Pelino (Cagnano Amiterno)	
CORR	San Possidonio	
SSP9	Sansepolcro	
SCTE	Santa Cesarea Terme	
AT09	Santa Cristina (Gubbio) - PG	
SGTA	Sant Agata di Puglia	
TO05	Santa Marinella - RM	
MSTD	Santandra', Italy	
STV	Sant Anna di Valdieri	
STV2	Sant' Anna di Valdieri 2	
SFI	Santa Sofia	
CIGN	Sant'Elia a Pianisi	
T0102	San Vittorino	
ZEN8	San Zeno di Montagna	
SASS	Sassa´´´´´´	
SSO	Sasso d'Italia	
SARO	Sassorosso	
STN3	Satriano di Lucania, Italy	
SBPO	S.Benedetto Po	
SEI	Scarperia	
SCHR	S. Chirico Raparo	
MSCL	Scilla	
RM06	Scoppito	
SACR	S. Croce Del Sannio	
SC2M	Scurtabo	
NEGI	Seborga	
RE04	Sedrio (Vezzano sul Crostolo) - RE	
RM21	Selvarotonda (Cittareale)	
SENI	Senigallia	
FG2	Serracapriola	
ATBU	Serra di Burano	
SERS	Sersale	
SG1	Sgolgore (BA)	
SGO	Sicignano	
SIE	Siena	
AD05	S.Marcello (AN)	
SAMA	S.Maria delle Mole (Ciampino, Roma)	
SMP	Somplago	
SPIE	Spinoso	
STAL	STALIGIAL	
SAE	Statte	
GIN	Stromboli-G	
PZZ	Stroppo	
TUE	Stuetta	
TLI	Talmassons	
TAR1	Taranto	
TAR	Taranto	
TTI	Taranto	
TA1	Taranto	TTI
TO06	Tarquinia - VT	
TO07	Tarquinia - VT	
TEOL	Teolo	
TERO	Teramo	
RE05	Terme di Santa Lucia (Busana) - RE	
ISOR	Termini	
RM16	Terranera (Rocca di Mezzo)	
TDS	Terranova Sibari	
TIP	Timpagrande	
TITE	Tito	
TOLF	Tolfa	
TO01	Tolfa - RM	
TO04	Tolfa - RM	
TLM	Tolmezzo	
TOPPO	Toppo, Italy	
TNO	Torino	
AT10	Torre dell'Olmo (Gubbio) - PG	
TRTR	Tortoreto Alta	
TRAV	Traversella	
TRE	Trente	
TRV	Treviso	
TTE	Trieste	
TRI	Trieste	
TRS	Trieste (CM)	
TRIF	Trifonti	
TRIV	Trivento	
TU1	Tuscania	
UDN	Udine	UDI
UDI	Udine OGS	
VAJ	Vajont	
VALM	Valbona	
VAGA	Valle Agricola	
T0105	Valle d'Ocre (Ocre)	
VAI	Varese	
VARE	Varese	
VEA	Veano	
RE03	Vedriano (Canossa) - RE	
VEN	Venice	
VENT	Ventotene	
RM29	Verrico (Montereale)	
OV1	Vesuviano	OVO
OVO	Vesuviano	
VARP	Vesuvio Array Permanente	
VBKN	Vesuvio Bunker Nord	
VCRE	Vesuvio Cratere Est	
VTIR	Vesuvio Tirone	
VVDG	Vesuvio Valle Del Gigante	
VMG	Vicchio	
RM23	Viesci	
VIGE	Viggiano	
VCEL	Villa Celiera	
VLC	Villacollemandina	
VVI	Villa di Villa	
VINO	Villanova	
VVLD	Villa Vallelonga	
VINC	Vinca	
VISG	Visignano	
T0202	Vitale (Isola del Liri - FR)	
VTB1	Vitulano	
VOBA	Vobarno	
VG1	Voghera	
ZCCA	Zocca	
ZOU	Zoufplan	
San Marino		
RSM	Repubblica di San Marino	
Sardinia		
CCI	Cagliari Citta	
CGL	Cagliari Serpeddi	
CA2	Cagliari Serpeddi	CGL
CRL	Carloforte	
CUG	Cuglieri	
DGI	Dorgali Grotta	
OLB	Olbia	
VSL	Villasalto	
Sicily		
EACI	Aci Sant'Antonio	
CAGR	Agira	
IACL	Alicudi	
ACL	Alicudi	
MALI	All	
ATN	Antennamare	
AIO	Antillo	
AQ6*	Aqua Casa	
HAGA	Augusta	
AGST	Augusta-Monte Tauro	
HAVL	Avola	
EBCN	Bocca Nuova	
CLTB	Caltabellotta	
CM6*	Campone	
CV6*	Capo Vaticano	
HCRL	Carlentini	
ECBD	Case Bada	
ECPN	Case del Piano	
ECVS	Case del Vescovo	
ECZM	Case Zampini	
MSRU	Castanea	

Code	*Station Name*	*Other*
CSLB	Castelbuono	
ECML	Castelmola	
CVT	Castelvetrano	
CAVT	Castelvetrano	
ECTS	Castiglione	
MCSR	Castroreale	
CAT	Catania	
ECNV	Catenanuova	
EZPO	C.da Z Pietro	
ECIS	Cisternazza	
ECDV	Codavolpe	
EPOL	Con Chiusa Politi	
ECCS	Contrada Cassone	
CORL	Corleone	
CRJA	Costa Raja	
ECNE	Crateri Nord Est	
ER1	Erice	ERC
ERC	Erice	
EBEL	Etna Belvedere	
FAI	Favara	
FAVR	Favara	
FA1	Favara	FAI
IFIL	Filicudi I Eolie	
EFIU	Fiumefreddo	
VL6*	Forgia Vecchia	
GZI	Ganzirri	
GIB	Gibilmanna	
EGFM	Gr delle femmine	
IMT	Isola di Marettimo	
LVI	Isola Levanzo	
LV9	Isola Levanzo	LVI
HLNI	Lentini	
LLI	Lipari	
ILMG	Lip M Gallina IE	
ILIQ	Lip Q Pani IE	
EMLP	Malpasso	
ECAN	Masseria Cannata	
MEI	Melilli	
MSI	Messina ING	
MES1	Messina Univ.	MES
MES	Messina University	
MILZ	Milazzo	
MNE	Mineo	
HMNO	Mineo	
HMDC	Modica	
MMME	Mongiuffi-Melia	
MTGR	Montagna Grande	
EARC	Monte Arcimis	
EMAR	Monte Arcimis	
ESAN	Monte dei Santi	
MFNL	Monte Finestrelle	
EMFO	Monte Fontane	
EMGR	Monte Grosso	
EMIL	Monte Intraleo	
MEU	Monte Lauro	
MMGO	Monte Magaggiaro	
EN6*	Monte Nero	
EMNR	Monte Nero	
EMPL	Monte Parmentelli	
MPG	Monte Pellegrino	
MR6*	Monte Rosa	
EMRV	Monte Ruvolo	
ESVO	Monte Scavo	
MNO	Monte Soro	
ESRO	Monte Soro	
EMSG	Monte Spagnolo	
EMVT	Monte Vetore	
MVT	Monte Vettore	
MCT	Mte Cammarata	
ENLS	Nicolosi	
ENCS	Nicolosi	
NOV	Novara	
HPAR	Pala Acreide	
PZI	Palazzolo	
PLR	Palermo	
MPAZ	Palizzi	
PLI	Panarea	
ME12	Panarea 2	
IPAN	Panarea IE	
PTS	Pantelleria	
PTMD	Pantelleria Cuddia di Mida	
EPIS	Pennisi	
EPET	Petrulli	
EPAP	Piano d'Api	
PV6*	Piano Vulcano	
EPMN	Piedimonte	
EPDN	Pizzo Deneri	
EPZF	Pizzo Felice	
EPPA	Pizzo Paviglione	
PLLN	Pollina	
MPNC	Port Mandanici	
SL6*	Punta Lena	
EPLC	Punta Lucia	
RAFF	Raffo Rosso	
ERSA	Rifugio Sapienza	
ISLN	Salina IE	
SG6*	San Gibilmanna	
GIO	San Gregorio	
ECHR	Santa Chiara	
ESAL	Sant'Alfio	
EVRN	Santa Venerina	
SCLL	Scilla	
ESCV	Scorciavacca	
ESLN	Serra La Nave	
ESPC	Serra Pizzuta	
HSRS	Siracusa	
ESML	S. M. di Licodia	
SOLUN	Solunto	
SSY	Sortino	
STR3	STROMBOLI 3	
STR4	STROMBOLI 4	
STR5	Stromboli 5	
ISPL	Str Punta Lena IE	
ETAR	Tardaria	
ETFI	Torre del Filo	
USI	Ustica	
VAE	Valguarnera	
EVNA	Vena	
HVZN	Vizzini	
VN6*	Vulcanello	
IVCR	Vulcano Cr IE	
IVUG	Vulcano Grillo IE	
IVLT	Vulcano Lentia IE	
VPL	Vulcano Piano	
ZA1	Zafferana	
Kosovo		
GJIK	Gjilan	
PEJK	Peje	
PRZK	Prizren	
SMRK	Smrekonice	
ZATK	Zatriq	
Latvia		
SLIT	Slitere, Latvia	
Lithuania		
IDID	Didziasalis	
IIGN	Ignalina	
INPP	Ignalina Nuclear	
ISAL	Salakas	
IZAR	Zarasai	
Luxembourg		
LKLB	Kalborn	
LUX	Luxembourg	
LVIA	Vianden	
WLF	Walferdange	
Malta		
MLT	Malta	
WDD	Wield Dalam	
Moldova		
KGL	Cahul	
GIUM	Giurgiulesti	
KIS	Kishinev	
LEOM	Leova	
MILM	Milestii Mici	
SORM	Soroca	
Monaco		
MON	Monaco	
Montenegro		
IVA	Berane	
BEY	Berane	IVA
BUM	Brajici-Budva	
BRY	Bratogost	
BDV	Budva	
CEME	Cevo	
DRME	Dracevica, Montenegro	
HCY	Herceg Novi	
NKME	Niksic	
NKY	Niksic	
PVY	Plav	
PLE	Pljevlja	
TTG	Podgorica	
PDG	Podgorica	TTG
ULC	Ulcinj	
UPM	Unac-Piva	
Netherlands		
NE38	Dalfsen	
DBN	De Bilt	
ENM2	Eenrum	
ENM1	Eenrum	
ENM	Eenrum	
ENM4	Eenrum	
ENM3	Eenrum	
ENV	Elp	
ENV2	Elp / Enerveen	
ENV1	Elp / Enerveen	
ENV4	Elp / Enerveen	
ENV3	Elp / Enerveen	
ENN	Epen	
FSW	Finsterwolde	
FSW1	Finsterwolde 1	
FSW2	Finsterwolde 2	
FSW3	Finsterwolde 3	
FSW4	Finsterwolde 4	
FSW5	Finsterwolde 5	
FDG2	Firdgum	
FDG4	Firdgum	
FDG3	Firdgum	
FDG1	Firdgum	
NE42	Fort Lent	
HWF4	Haulerwijk	
HWF2	Haulerwijk	
HWF3	Haulerwijk	
HWF1	Haulerwijk	
HWF	Haulerwijk	
HEE	Heerlen	
HGN	Heimansgroeve	
HKB	Herkenbosch	
NE32	Kootwijk	
NE31	Losser	
MAME	Mamelis	
NEER	Neeritter	
OPLO	Oploo	
OTL2	Oterleek	
OTL	Oterleek	
OTL1	Oterleek	
OTL3	Oterleek	
OTL4	Oterleek	
PPB	Philisteinsche Polder	
PPB1	Philisteinsche Polder (Bergen)	
PPB2	Philisteinsche Polder (Bergen)	
PPB3	Philisteinsche Polder (Bergen)	
PPB4	Philisteinsche Polder (Bergen)	
RSB	Ravensbos	
RDC	Rolduc	
SCHN	Schinveld	
SPY1	Spijk (Roodeschool)	
SPY4	Spijk (Roodeschool)	
SPY3	Spijk (Roodeschool)	
SPY2	Spijk (Roodeschool)	
SUH4	Surhuizum	
SUH3	Surhuizum	
SUH2	Surhuizum	
SUH1	Surhuizum	
NE37	Ubbergen	
NE05	Utrecht	
VKB	Valkenburg	
NE15	Valkenburg	
VBG	Venebrugge	
VBG4	Venebrugge (Bruchterveld)	
VBG1	Venebrugge (Bruchterveld)	
VBG2	Venebrugge (Bruchterveld)	
VBG3	Venebrugge (Bruchterveld)	
VLW	Vlagtwedde	
VLW4	Vlagtwedde	
VLW1	Vlagtwedde	
VLW2	Vlagtwedde	
VLW3	Vlagtwedde	
WMH	Warmenhuizen	
WMH1	Warmenhuizen	
WMH2	Warmenhuizen	
WMH3	Warmenhuizen	
WMH4	Warmenhuizen	
NIW3	Wetzens (Niawier)	
NIW2	Wetzens (Niawier)	
NIW1	Wetzens (Niawier)	
NIW4	Wetzens (Niawier)	
WYN2	Wijnaldum	
WYN3	Wijnaldum	
WYN1	Wijnaldum	
WYN4	Wijnaldum	
WTSB	Winterswijk	
NE40	Winterswijk	
WTS	Winterswijk	
WIT	Witteveen	
NE04	Witteveen	WIT
WDB	Woudbloem	
WDB1	Woudbloem 1	
WDB2	Woudbloem 2	
WDB3	Woudbloem 3	
WDB4	Woudbloem 4	
ZLV1	Zuidlaarderveen	
ZLV	Zuidlaarderveen	
ZLV2	Zuidlaarderveen	
ZLV3	Zuidlaarderveen	
ZLV4	Zuidlaarderveen	
ZL22	Zuidlaarderveen (2)	
ZL21	Zuidlaarderveen (2)	
ZL23	Zuidlaarderveen (2)	
ZL24	Zuidlaarderveen (2)	
ZWE1	Zweins	
ZWE2	Zweins	
ZWE4	Zweins	
ZWE3	Zweins	
Norway		
Jan Mayen Island		
JMI	Jan Mayen	
JNE	Jan Mayen East	
JNW	Jan Mayen West	
AKN	Aaknes	
ARCES	ARCESS Array Beam Reference Point	
ARA0	ARCESS Array Site A0	
ARA1	ARCESS Array Site A1	
ARA2	ARCESS Array Site A2	
ARA3	ARCESS Array Site A3	
ARB1	ARCESS Array Site B1	
ARB2	ARCESS Array Site B2	
ARB3	ARCESS Array Site B3	
ARB4	ARCESS Array Site B4	
ARB5	ARCESS Array Site B5	
ARC1	ARCESS Array Site C1	
ARC2	ARCESS Array Site C2	
ARC3	ARCESS Array Site C3	
ARC4	ARCESS Array Site C4	
ARC5	ARCESS Array Site C5	
ARC6	ARCESS Array Site C6	
ARC7	ARCESS Array Site C7	
ARD1	ARCESS Array Site D1	
ARD2	ARCESS Array Site D2	
ARD3	ARCESS Array Site D3	
ARD4	ARCESS Array Site D4	
ARD5	ARCESS Array Site D5	
ARD6	ARCESS Array Site D6	
ARD7	ARCESS Array Site D7	
ARD8	ARCESS Array Site D8	
ARD9	ARCESS Array Site D9	
ARE0	ARCESS Array Site E0	
ARNS	Arna	
ASK	Askoy	
BER	Bergen	
RORSS	Ber_school_1	
MELSS	Ber_school_2	
BJO	Bjornoya	
BJO1	Bjornoya	
BLS	Blasjo	
BLS1	Blasjo	
BLS2	Blasjo	
BLS3	Blasjo	
BLS5	Blasjo	
N1R6	Dalselv	
DOMB	Dombas	
N2B4	Drage	
EGD	Espegrend	
FOO	Floro	
STOK2	Flostrand	
FLOS	Flostrand	
FRO	Froya	
HAMF	Hammerfest	
N1R5	Hammernes	
N2B5	Haus	
HOMB	Homborsund	
HYA	Hoyanger	
JMIC	Jan Mayen	
KMY	Karmoy	
KTK1	Kautokeino	
KTK2	Kautokeino	
KTK3	Kautokeino	
KTK5	Kautokeino	
KTK4	Kautokeino	
KTK6	Kautokeino	
KRK	Kirkenes	
KON	Kongsberg	KONO
KONO	Kongsberg	
KONS	Konsvik	
STOK1	Konsvik	
N2B6	Leirgulen	
LHN	Lillehammer	
N1R4	Lillevand	
N1R2	Lillevik	
LOF	Lofoten	
N2B3	Lovikneset	
MVG	Mesters Vig	
MOR1	Moi Rana	
MOR2	Moi Rana	
MOR3	Moi Rana	
MOR4	Moi Rana	
MOR5	Moi Rana	
MOR6	Moi Rana	
MOR7	Moi Rana	
MOR8	Moi Rana	
MOL	Molde	
N2B2	Myklebust	
NSS	Namsos	
N1R3	Nordsjona	
NORES	NORESS Array Beam Reference Point	
NRA0	NORESS Array Site A0	NORES
NRA1	NORESS Array Site A1	
NRA2	NORESS Array Site A2	
NRA3	NORESS Array Site A3	
NRB1	NORESS Array Site B1	
NRB2	NORESS Array Site B2	
NRB3	NORESS Array Site B3	
NRB4	NORESS Array Site B4	
NRB5	NORESS Array Site B5	
NRC1	NORESS Array Site C1	
NRC2	NORESS Array Site C2	
NRC3	NORESS Array Site C3	
NRC4	NORESS Array Site C4	
NRC5	NORESS Array Site C5	
NRC6	NORESS Array Site C6	
NRC7	NORESS Array Site C7	
NRD1	NORESS Array Site D1	
NRD2	NORESS Array Site D2	
NRD3	NORESS Array Site D3	
NRD4	NORESS Array Site D4	
NRD5	NORESS Array Site D5	
NRD6	NORESS Array Site D6	
NRD7	NORESS Array Site D7	
NRD8	NORESS Array Site D8	
NRD9	NORESS Array Site D9	
NRE0	NORESS Array Site E0	
NA0	NORSAR 1A	NAO
NOA	NORSAR Array Beam Reference Point	NB2
NAO00	NORSAR Array Site 01A00	NAO
NAO01	NORSAR Array Site 01A01	
NAO02	NORSAR Array Site 01A02	
NAO03	NORSAR Array Site 01A03	
NAO04	NORSAR Array Site 01A04	
NAO05	NORSAR Array Site 01A05	
NBO00	NORSAR Array Site 01B00	NBO
NBO01	NORSAR Array Site 01B01	
NBO02	NORSAR Array Site 01B02	
NBO03	NORSAR Array Site 01B03	
NBO04	NORSAR Array Site 01B04	
NBO05	NORSAR Array Site 01B05	
NCO	Norsar Array Site 01C00	
NB200	NORSAR Array Site 02B00	NB2
NB201	NORSAR Array Site 02B01	
NB202	NORSAR Array Site 02B02	
NB203	NORSAR Array Site 02B03	
NB204	NORSAR Array Site 02B04	
NB205	NORSAR Array Site 02B05	
NC200	NORSAR Array Site 02C00	NC2
NC201	NORSAR Array Site 02C01	
NC202	NORSAR Array Site 02C02	
NC203	NORSAR Array Site 02C03	
NC204	NORSAR Array Site 02C04	
NC205	NORSAR Array Site 02C05	
NC300	NORSAR Array Site 03C00	NC3
NC301	NORSAR Array Site 03C01	
NC302	NORSAR Array Site 03C02	
NC303	NORSAR Array Site 03C03	
NC304	NORSAR Array Site 03C04	
NC305	NORSAR Array Site 03C05	
NC400	NORSAR Array Site 04C00	NC4
NC401	NORSAR Array Site 04C01	
NC402	NORSAR Array Site 04C02	
NC403	NORSAR Array Site 04C03	
NC404	NORSAR Array Site 04C04	
NC405	NORSAR Array Site 04C05	
NC600	NORSAR Array Site 06C00	NC6
NC601	NORSAR Array Site 06C01	
NC602	NORSAR Array Site 06C02	NRE0
NC603	NORSAR Array Site 06C03	
NC604	NORSAR Array site 06C04	
NC605	NORSAR Array Site 06C05	
N10	NORSAR Subarray 10C Beam Reference Point	
N11	NORSAR Subarray 11C Beam Reference Point	
N12	NORSAR Subarray 12C Beam Reference Point	
N13	NORSAR Subarray 13C Beam Reference Point	
N14	NORSAR Subarray 14C Beam Reference Point	
NAO	NORSAR Subarray 1A Beam Reference Point	
NBO	NORSAR Subarray 1B Beam Reference Point	
NB2	NORSAR Subarray 2B	

	Beam Reference Point	
NC2	NORSAR Subarray 2C	
	Beam Reference Point	
NB3	NORSAR Subarray 3B	
	Beam Reference Point	
NC3	NORSAR Subarray 3C	
	Beam Reference Point	
NB4	NORSAR Subarray 4B	
	Beam Reference Point	
NC4	NORSAR Subarray 4C	
	Beam Reference Point	
NB5	NORSAR Subarray 5B	
	Beam Reference Point	
NC5	NORSAR Subarray 5C	
	Beam Reference Point	
NB6	NORSAR Subarray 6B	
	Beam Reference Point	
NC6	NORSAR Subarray 6C	
	Beam Reference Point	
NB7	NORSAR Subarray 7B	
	Beam Reference Point	
NC7	NORSAR Subarray 7C	
	Beam Reference Point	
NC8	NORSAR Subarray 8C	
	Beam Reference Point	
NC9	NORSAR Subarray 9C	
	Beam Reference Point	
ODD	Odda	
ODD1	Odda	
OSGS	Os	
OSG	Oseberg A Platform	
OO-NW	Oslo	
OO-	Oslo	OO-NW
OSL	Oslo	
RGS	Rognes	
RUND	Rundenannen	
SNART	Snartemo	
SOTS	Sotra	
STF	Statfjord A Platform	
STAV	Stavanger	
STEI	Steigen	
STOK	Stokkvaagen	
SUE	Sulen	
TRO	Tromso	
TBLU	Trondheim	
TRON	Trondheim	
N2B1	Tytingvag	
N2B7	Tytingvag	
N1R1	Vettahaugen	
Svalbard		
EO1	Edge Oya	
HOPEN	Hopen	
HSP	Hornsund	
HSPB	Hornsund (broadband)	
ISF	Isfjord	
KBS	Kingsbay	
SPITS	Spitsbergen Array	
	Beam Reference Point	
SPA0	Spitsbergen Array Site A0	SPITS
SPA1	Spitsbergen Array Site A1	
SPA2	Spitsbergen Array Site A2	
SPA3	Spitsbergen Array Site A3	
SPB1	Spitsbergen Array Site B1	
SPB2	Spitsbergen Array Site B2	
SPB3	Spitsbergen Array Site B3	
SPB4	Spitsbergen Array Site B4	
SPB5	Spitsbergen Array Site B5	

Pays de la Loire

PIAC	Piriac/mer

Poland

BEL	Belsk
MIKI	Bielsko-Biala
BYT	Bytom
CHZP	Chorzow
CHZ	Chorzow
CYP	Chylin
DGP	Dabrowa Gornicza
GKP	Gorka Klasztorna
PHL	Hel
KWP	Kalwaria Paclawska
KRA	Krakow
KSP	Ksiaz
NIE	Niedzica
OJC	Ojcow
RAC	Raciborz
RBN	Rybnik
SUW	Suwalki
WAR	Warsaw
BRE	Wroclaw
ZAB	Zabrze

Portugal

Azores	
AGA	Agualva
ADH	Angra Heroismo
ADH0	Angra Heroismo
PBIS	Biscoitos
CALA	Caldeira
PCND	Candelaria
PCAN	Candelaria
CDRO	Cedros
CEDR	Cedros
PCED	Cedros
CML	Cha da Macela
CMLA	Cha da Macela
PCNG	Congro
PMAT	Coroa da Mata
FAC	Faja de Cima
PFAD	Fenais da Ajuda
PFET	Feteiras
FLOR	Flores Is
FOT	Fontinhas
FRA1	Furnas
FRA	Furnas
SET2	Ginetes
PGRA	Graciosa
GRON	Grota Negra
HOR	Horta
LFA	Lagoa do Fogo
PLUZ	Luz
PMAN	Manadas
MIRA	Miradouro
MESC	Monte Escuro
MTSA	Monte Escuro
SET4	Mosteiros
PICO	Pico
BART	Pico Bartolomeu
PCRZ	Pico da Cruz
PFAV	Pico das Favas
PSMN	Pico do Norte, Sta. Barbara
PBOI	Pico dos Bois
PPAD	Pico dos Padres
PTEI	Pico do Teixo
PVER	Pico Vermelho
PIED	Piedade
SET3	Pilar
PDA	Ponta Delgada
PTCA	Ponta do Capelo
PPNO	Prainha do Norte
PRCH	Ribeira Ch
RIA0	Ribeira da Areia RIA
RIA	Ribeira da Areia
RIB	Ribeirinha
RIB2	Ribeirinha
PID	Ribeirinha
ROSA	Rosais
SDCA	Salto do Cavalo
ASBA	Santa Barbara
STGR	Santa Cruz
PSMA	Santa Maria
SAZ	Santa Maria Island
PAMA	Santo Amaro
PSAN	Santo Antonio
SRBC	Serra Branca
PSBA	Serra de Santa Barbara
PSCM	Serra do Cume
SCUM	Serra do Cume
PSET	Sete Cidades
SETA	Sete Cidades
TOPO	Topo
VIF	Vila Franca
PVNV	Vila Nova
PVIA	Vitoria
Madeira Islands	
FUL	Funchal
PMAR	Madeira
PMOZ	Porto Moniz, Madeira
PMPS	Porto Santo
PMPST	Porto Santo, Madeira
PACT	Alcochete
PALC	Alcoutim
AMRP	Almeirim
ALMR	Almeirim
PCAL	Alvares
PFBV	Barranco
PBDV	Barranco-do-Velho
PBAR	Barrancos
PBEJ	Beja
PBRG	Braganca
PCAB	Cabril
PCAS	Casmilo, Condeixa
PCBR	Castelo Branco
PCVE	Castro Verde
COI	Coimbra
PCOI	Coimbra
PESTR	Estremoz
EVO	Evora
NE27	Evora EVO
FAR	Faro
PFFO	Foia
PGAV	Gavieira, Arcos de Valdevez
INMG	Instituto de Meteorologia, Lisbon
POLO	Lamas de Olo
LIS	Lisbon
PMST	Lisbon--Monsanto
PLOU	Loures
PMAFR	Mafra
MTE	Manteigas
MORF	Marmelete
PMRV	Marv??o
MESJ	Messejana
MVO	Moncorvo
MTH	Montachique
PMTG	Montargil
PFMF	Monte Figo
FIG	Monte Figo
PMJU	Montehunto
MOE	Montemor
PNCL	Nicolau / Grandola
PLML	Palmela
PDRG	Pedrog??o
PFPE	Pera
PRL	Portalegre
PTO	Porto
PFSC	Santa Clara
PFSB	Sao Bartolomeu
EVOP	Sao Brissos
PTEO	Sao Teotonio
PSSC	Serra do Socorro
PTOM	Tomar
PVAQ	Vaqueiros
PSRV	Vialonga--Serves
PFVI	Vila Bisbo
PVRL	Vila Real
PVIS	Viseu
NE21	MTE

Provence-Cote d'Azur

BELV	Belvedere
CAGN	Cagnes-sur-Mer
MENA	Menton
NCAD	Nice - Cite Administrative des Alpes-Maritimes
NPOR	Nice, Eglise du Port
NALS	Nice, Jardin Alsace-Lorraine
NLIB	Nice, Liberation
NBOR	Nice, Mont Boron
NROC	Nice, Saint-Roch

Rhone-Alpes

OG35	Corcelles

Romania

ADJ	ADJUD
AMRR	Amara
ARCR	ARCALIA
ARR	Arges
BAC	Bacau
BMR	Baia Mare
BANR	Banloc
BERR	Berezeni
BIZ	Bicaz
BIR	Birlad
BISC	BISOCA
BRD	Bordesti
BUC2	Bucharest BUC1
BUC	Bucharest
BUC1	Bucharest
BAPR	Bucharest-Childs Park
BGMR	Bucharest-Geological Museum
BTMR	Bucharest-Geotec Company
BBIR	Bucharest-INCERC-borehole
RBAR	Bucharest-INCERC-Test Bldg
BVCR	Bucharest-Old Court
BSTR	Bucharest-Scientist's House
BLHR	Bucharest-Stefan cel Mare Str.
BURAR	Bucovina Array
BUR03	Bucovina Ar. Site
BUR01	Bucovina Ar. Site
BUR09	Bucovina Ar. Site
BUR07	Bucovina Ar. Site
BUR05	Bucovina Ar. Site
BUR08	Bucovina Ar. Site
BUR02	Bucovina Ar. Site
BUR04	Bucovina Ar. Site
BUR06	Bucovina Ar. Site
BUCF	Bucures@17ti--IRSA
SGEB	BUCURESTI
DTIR	Bucuresti-Nicolae Titulescu
BUR33	BURAR
BUR32	BURAR
BUZR	Buzau
BZS	Buzias
CDB	Caldarusani
CGN	Calugareni
CMP	Campulung
CFR	Carcaliu
CEI	Carei
CEA	Ceahlau
CVDA	Cernavoda
CVD	Cernavoda
CVD1	Cernavoda-Power Plant
CNCR	Cernica
GSMB	CHITILA
CIOR	Ciorogarla
CLIR	CLINCENI
CLO	Closani
CLU	Cluj
CJR	Cluj-Napoca
CJR1	Cluj-Napoca
CLI	Colonesti
CCF	CONSTANTA
CVO	Covasna
COZ	Cozia
CRAR	CRAIOVA
DEV	Deva
DOC	Dochia
DOPR	Dopca
DRR	Dragan
DRA	Dragasani
EFOR	EFORIE
FTB	Fintinele
FOC	Focsani
GIRR	Girov
RMVG	GOVORA
GZR	Gura Zlata
RMGR	Halanga-Turnu Severin
HARR	Harsova
HNM	Heniu Mare
HUMR	Humele
IAS	Iasi
INCR	INCERC-Sediu Central
ISRF	Istric ta
ISR	Istrita
LRR	Leresti
LOPT	Lopu atari
LOT	Lotru
MII	Malini
MSR	Malnas
MANR	Mangalia
MTUR	Matau
MDB	Medias
PMGR	Mogosoaia
MOGR	Mogosoaia
MDVR	Moldovita
MSAB	Monastry St. Andrei
MLR	Muntele Rosu
NARJ	Nu aruja
ODBI	Odobesti
ODB	Odobesti
ONCR	Oncesti
PCHR	PETRACHIOAIA
PTT	Piatra Neamt
PLAR	PLOIESTI
PPF	PLOIESTI
PLOR7	Plostina
PLOR	Plostina
PLOR1	Plostina Array site 1
PLOR2	Plostina Array site 2
PLOR3	Plostina Array site 3
PLOR4	Plostina Array site 4
PLOR5	Plostina Array site 5
PLOR6	Plostina Array site 6
PGOR	Pogoanele
PMRF	Poiana Mare
PPE	Popeni
POPR	Popesti-Leordeni
PRAR	RASCA
SCHRR	Schitu
SBE	Sebes
AAR	Sfinta Ana
SIBR	Sibiu
SNX	Sinaia
SIRR	Siria
STFR	Stefanesti
SRE	Strehaia
SDR	Surduc
SSA	Susara SSR
SSR	Susara
TIM	Timisoara
TIRR	Tirgusor
TLB	Topalu
TNR	Turnu Rosu
TUU	Turnu Rosu
VLR	Valea Ierii
VCT	Victoria
VRI	Vrincioaia
GALR	
OZUR	
TESR	
LUCR	
TLCR	
VARR	
SULR	
SIRB	
DRGR	
VOIR	
ZIMR	
FULR	
PETR	
GOLR	
LTRR	
HADR	
GRER	
GHRR	
TUDR	
SECR	

Serbia

BARS	Barje
BGY	Belgrade
BEO	Beograd
BOLS	Boljevac
BOSS	Bosilegrad
BOVS	Bovan
VVOS	Brankovina
DIVS	Divibare
DJES	Djerdap
FGSL	Fruska Gora
FRGS	Fruska Gora
GRUS	Gruza
HOPOS	Hopovo Monastery
IVAS	Ivanjica
KMIS	Kosovska,, Mitrovica
KUBS	Kucevo
BBLS	Lazići
MDRV	Mala Drenova
NOVS	Nova Varos 1
NVSS	Nova Varos 2
PTNS	Petnica
RUDS	Rudovci
SELS	Selova
SJES	Sjenica
STRS	Struganik
SVIS	Svilajnac
TEKS	Tekeris
TRUS	Trudelj
ZAPS	Zavoj
NISS	

Sicily

MSFR	San Fratello
MUCR	Ucria

Slovakia

BRA	Bratislava
ZST	Bratislava
CRVS	Cervenica-Dubnik
HRB	Hurbanovo
SRO1	Iza
KECS	Kecovo
KOLL	Kolacno
KOLS	Kolonicke sedlo
LIKS	Likavka
LANS	Liptovska Anna
SRO2	Moca
MODS	Modra-Piesok
POLL	Polichno
SPC	Skalnate-Pleso
SMOL	Smolenice
SRO	Srobarova
STHS	Stebnicka Huta
VYHS	Vyhne

Slovenia

BISS	Bistriski jarek
BOJS	Bojanci
KBZS	Brezje pri Sen
CADS	C@19adrg
CRES	C@19res@19njevec Ostr
CEY	Cerknica
CESS	Cesta pri Krskem
CRNS	Crni Vrh
DOBS	Dobrina
DBY	Dobrovo
GOLS	Golis@17e
GBAS	Gorenja Brezovica
GRJ	Gorje
GORS	Gorjuse
GBRS	Gornja Briga
GCIS	Gornji Cirnik
GROS	Grobnik
JAVS	Javornik
KNDS	Knez@19ji Dol
KOGS	Kog
LEGS	Legarje
LJU	Ljubljana
MOZS	Mozjanca
PERS	Pernice
PDKS	Podkum
ROBS	Robic@19
SKDS	Skadanscina
VBY	Vinica-Bojanci
VISS	Vis@19nje
VOY	Vojsko
VOJS	Vojsko
VNDS	Vrh nad Dolskim
ZAVS	Zavodnje

Spain

Balearic Islands	
EIBI	Ibiza
MAHO	Mahon
ETOS	Mallorca
ESEL	Selva
Canary Islands	
CHIO	Chio
CDLV	Cueva Verdes
CTIG	El Hierro
CHIE	El Hierro
CFTV	Fuerteventura
CFUE	Fuerteventura
GGC	Guia Canaria
GUI	Guimar
CICO	Icod de los Vinos
EGOM	La Gomera
CLAN	Lanzarote
CCAN	Las Canadas
CRAJ	Montana Rajada
MACI	Morro de la Arena
TBT	Taburiente

Code	Station Name	Other
CTFE	Tenerife	
TEN	Tenerife	
CVVD	Valverde	
VVD	Valverde	
Ceuta		
CEUT	Ceuta	
EADA	Adamuz	
ADRA	Adra	
EXAD	Adra	
E011	Adriano, Sevilla	
EAGO	Agolada(Pontevedra)	
ERON	Agron	
NE11	Ainzon	
ALBA	Albanya	
EALB	Alboran	
EXAL	Albunol	
ALCN	Alcanar	
AFC	Alfacar	
ALCS	Alfacar	
EXAO	Algodonales	
EXAA	Alhama Almeria	
EALH	Alhama de Murcia	
EXAG	Alhama Granada	
ALI	Alicante	
EXAI	Alicante	
ALJ	Aljibe	
EALK	Alkurruntz	
ALM	Almeria	
EXAM	Almeria	
E015	Alquife, Granada	
ARAC	Aracena	
YARA	Arangoiti	
EARA	Aranguren	
EXAR	Arenas del Rey	
EARI	Arriondas	
AAPN	Arroyo Pinares	
YASP	Aspurt	
AVN	Avellanes	
E017	Aznalcollar, Sevilla	
EBAD	Badajoz	
EXBA	Badajoz	
EBAJ	Bajamar	
EBAN	Banos Encina	
EXBZ	Baza	
E009	Beas, Huelva	
EXBE	Becerrea'	
EBEN	Beniarda	
EXBN	Benidorm	
YBER	Berdun	
EBER	Berja	
CBEU	Beuda	
EBIE	Bielsa	
CBRU	Bruguera	
BRUG	Bruguera	
E022	Bujalance, Cordoba	
ACBG	Cabo de Gata	
EXCA	Cadiz	
E006	Caete la Real, Malaga	
ECAL	Calabor	
ACLR	Calar Alto	
AALM	Campus Universitario de Almeria	
ACU	Canalobre	
CART	Cartagena	
CRT	Cartuja	
COBS	Casablanca	
E005	Casares, Malaga	
CCAS	Cassa de la Selva	
E032	Castillo de Giribaile, Vilches, Jaen	
SCRT	Cerro San Cristobal	
ECEU	Ceuta	
CEU	Ceuta	
ECHE	Chera	
EXCH	Chimeneas	
ACHM	Chimeneas	
ECHI	Chisagues Bielsa	
ECOG	Cogollos-Vega	
CNIL	Conil	
ECRI	Cripan	
EXDI	Dilar	
DILR	Dilar	
EBRE	Ebro Roquetas	
EBR	Ebro Roquetas	
ECAB	El Cabril	
EXEL	Elche	
IELO	Elcoad	
EXED	Elda	
EXEE	El Ejido	
EGRO	El Granado	
ELIZ	Elizondo	
E019	El Pedroso, Sevilla	
E018	Embalse de El Pintado, Sevilla	
E932	Embalse del Gaudalen, Jaen	
IEPA	Eparoz	
ESPR	Espera	
ESPO	Espot	
ESTP	Estepa	
EXES	Estepona	
CEST	Esterri de Cardos	
FBR	Fabra	
EFAM	Famara	
CFON	Fontmartina	
FONT	Fontmartina	
AFON	Font Roja	
AFUE	Fuente Hervidero	
EXGA	Gandia	
CGAR	Garraf	
GIBL	Gibalbin	
GORA	Gorafe	
NE14	Granada	
EGRA	Graus	
GUD	Guadarrama	
EGUA	Guajares	
EXGUA	Guardamar (Alicante)	
HACH	Hacho	
EHRO	Hierro	
EHIG	Higuera	
EHOR	Hornachuelos	
HORN	Hornachuelos	
ERTA	Horta de San Juan	
E025	Huelma, Jaen	
EHUE	Huescar	
EINC	Incio	
ALR	Isla de Alboran	
IPRE	Itoiz	
EXJA	Jaen	
JAND	Jandula	
E028	Jerez de los Caballeros, Badajoz	
EJIF	Jimena Frontera	
EJIM	Jimena Frontera	
EXJU	Jumilla	
NE11*	La Almunia	
EJON	La Jonquera	
EMUR	La Murta	
ELAN	Lanestosa	
ERUA	La Rua	
E031	Las Morras, Villanueva del Duque, Cordoba	
CAVN	Les Avellanes	
E034	Letur, Albacete	
LIJA	Lijar	
CLLI	Llivia	
ELOB	Lobios	
LGR	Logrono	
ALOJ	Loja	
EXLO	Lorca	
EXLR	Lorqui	
EXLU	Lugo	
ELUQ	Luque	
MDD	Madrid	
EXMA	Malaga	
MAL	Malaga	
EMAL	Malaga-Limonero	
E012	Marchena, Sevilla	
E024	Martos, Jaen	
CMAS	Mas de Barberans	
EMAZ	Mazaricos	
EMEL	Melilla	
MELI	Melilla	
EMIJ	Mijas	
EMIN	Mina Concepcion	
EMIR	Miracle	
MOMI	Momias	
EMON	Mondonedo	
POBL	Monestir Poblet	
MRB	Monserrat	
EMOS	Mosqueruela	
EXMO	Motril	
EXMU	Mula	
YNAR	Nardues-Aldunate	
ANER	Nerja	
ENIJ	Nijar	
E033	Ojanco, Jaen	
OJEN	Ojen	
OLT	Olot	
EXOR	Olula del Rio	
ORG	Organya	
CORG	Organya	
ORGV	Orgiva	
CORI	Orista	
E007	Orjiva, Granada	
EORO	Oroz-Betelu	
EOSO	Osorio	
E010	Palacio de Doana, Huelva	
CPAL	Palau Saverdera	
EXPA	Pamplona	
PARA	Parapanda	
APCG	Parque de las Ciencias	
YMUS	Pe´–a Musera	
E030	Peraleda del Zaucejo, Badajoz	
APHE	Pico Herrero	
PINR	Pinar	
EPLA	Plasencia	
PLAT	Plata	
EPOB	Poblet	
PONT	Pont de Suert	
EPON	Pontenova	
EPRU	Pruna	
E002	Puerto del Bujeo, Cadiz	
NE13	Puertollano	
EQUE	Quentar	
EQES	Quesada	
RANB	Rancho Bola	
REAL	Reales	
RESI	Resinera	
ERIP	Rio Piedras	
TINT	Rio Tinto	
EROQ	Roquetas del Mar	
E016	Rosal de la Frontera, Huelva	
E008	San Bartolome de la Torre, Huelva	
ESAC	San Caprasio	
SFS	San Fernando	
SFUC	San Fernando	
EPAB	San Pablo	
PAB	San Pablo	
SRQ	San Roque	
E020	Santaella, Cordoba	
NE30	Santa Pau	
STS	Santiago	
NE26	Santiago de Compostela	
SESP	Santiago Espada	
EXSA	Sarria	
ASCB	Sierra Cabrera	
E026	Sierra de Lcar, Granada	
ELIJ	Sierra de Lijar	
E001	Sierra del Retn, Cadiz	
SELV	Sierra Elvira	
ELVI	Sierra Elvira	
EGOR	Sierra Gorda, Loja, Granada	
ELOJ	Sierra Loja	
ASMO	Sierra Morrones	
YSIG	Sigues	
ESBB	Sonseca Array BB	
ESDC	Sonseca Array Beam Reference Point	
ES01	SONSECA Array Site 01	
ES02	SONSECA Array Site 02	
ES03	SONSECA Array Site 03	
ES04	SONSECA Array Site 04	
ES05	SONSECA Array Site 05	
ES06	SONSECA Array Site 06	
ES07	SONSECA Array Site 07	
ES08	SONSECA Array Site 08	
ES09	SONSECA Array Site 09	
ES10	SONSECA Array Site 10	
ES11	SONSECA Array Site 11	
ES12	SONSECA Array Site 12	
ES13	SONSECA Array Site 13	
ES14	SONSECA Array Site 14	
ES15	SONSECA Array Site 15	
ES16	SONSECA Array Site 16	
ES17	SONSECA Array Site 17	
ES18	SONSECA Array Site 18	
ES19	SONSECA Array Site 19	
ESLA	Sonseca Array Site A	
ESLB	Sonseca Array Site B	
ESLC	Sonseca Array Site C	
ESLD	Sonseca Array Site D	
ESLE	Sonseca Array Site E	
ESLF	Sonseca Array Site F	
ESLG	Sonseca Array Site G	
CSOR	Sort	
YSOS	Sos del Rey Catolico	
EXTA	Tarifa	
ATEJ	Tejeda	
ETER	Terradas	
ETOB	Tobarra	
NE17	Toledo	TOL
TOL	Toledo	
TLO	Toledo HGLP	
E013	Torcal de Antequera, Malaga	
TORR	Tordecillas	
ETOR	Torete	
EXTO	Torrevieja	
E035	Torrevieja, Alicante	
CTRE	Tremp	
CADI	Tunel del Cadi	
IUNC	Unciti	
YUND	Undues	
UCM	Universidad Complutense Madrid	
E029	Usagre, Badajoz	
IUSE	Utxeti	
NE12	Valle Caidos	
EVAL	Valverde	
VAN2	Vandellos 2	
VELZ	Velez Rubio	
EXVE	Vera	
EVIA	Vianos	
VIH	Vielha	
VILA	Vilada	
E021	Villaviciosa de Cordoba, Cordoba	
EZAM	Zamans	
NE28	Zamora	
IZUN	Zunzarren	
NE19		LGR
NE24		ALI
NE23		FBR
NE20		ALM
NE25		EBR
NE22		MAL
Sweden		
ABB	Abborrasen	
ABK	Abisko	
ASPU	Aespoe	
ATR	Alsterbro	
APP	Appelbo	APO
ARNU	Arnoeviken	
ASKU	Askersund	
APO	Äppelbo	
BACU	Backbrunna	
BJUU	Bjuv	
BLEU	Blekinge	
BORU	Boraas	
BYD	Bredaryd	
BREU	Bredtraesk	
BURU	Burvik	
BYXU	Byxelkrok	
DEL	Delary	
DEL1	Delary	
DUNU	Dundret	
EKSU	Eksjoe	
ERTU	Ertsjaerv	
ESKU	Eskilstuna	
FKPU	Falk	
FABU	Falkenberg	
FALU	Falun	
FINU	Finntorp	
FLYU	Flymyra	
FORU	Forsmark	
GNOU	Gnosjoe	
GOT	Goteborg	
NE01	Goteborg	
GOTU	Gotland	
GRAU	Graesoe	
GBD	Granbergs Dal	
GNN	Gunnerudssatern	
HFS	Hagfors	
HFSA1	Hagfors Array Site A1	
HFSB1	Hagfors Array Site B1	
HFSB2	Hagfors Array Site B2	
HFSB3	Hagfors Array Site B3	
HFSB4	Hagfors Array Site B4	
HFSB5	Hagfors Array Site B5	
HFSC1	Hagfors Array Site C1	
HFSC2	Hagfors Array Site C2	
HFA0	Hagfors New Array Site A0	
HFA1	Hagfors New Array Site A1	
HFA2	Hagfors New Array Site A2	
HFA3	Hagfors New Array Site A3	
HFB1	Hagfors New Array Site B1	
HFB2	Hagfors New Array Site B2	
HFB3	Hagfors New Array Site B3	
HFB4	Hagfors New Array Site B4	
HFB5	Hagfors New Array Site B5	
HFC2	Hagfors New Array Site C2	
HVK	Hallstavik	
HARU	Harads	
HASU	Hassela	
HED	Hedekas	
HEMU	Hemsoen	
HRN	Horndal	
HUDU	Hudiksvall	
HUSU	Husum	
IGGU	Iggoen	
KALU	Kalix	
KLS	Karlskrona	
KTN	Katrineberg	
KIR	Kiruna	
KUA	Kurravaara	
LANU	Lannavaara	
LILU	Lilltraesk	
LNKU	Linkoeping	
LUN	Lund	
LUNU	Lund	
MRE	Mariestad	
MASU	Masugnsbyn	
MYV	Myrviken	
NSD	Nasudden	
NIKU	Nikkaluokta	
NRAU	Nora	
NOD	Norderasen	
NRTU	Norrtaelje	
NYK	Nykoping	
NYNU	Nynaeshamn	
OSTU	Oestervaala	
OLF	Olofstrom	
ORK	Orkelljunga	
OSKU	Oskarshamn	
PAJU	Pajala	
ROTU	Roteberg	
SALU	Saltoluokta	
SJUU	Sjulsmark	
SKA	Skalstugan	
SOLU	Sollefteaa	
SGAS	Stanga	
SLL	Stollet	
STRU	Stroemstad	
SVAU	Svanoeiden	
TNU	Tenhult	
TJOU	Tjoern	
TBY	Torsby	
UDD	Uddeholm	
UME	Umea	
UMAU	Umeaa	
UPP	Uppsala	
VANU	Vaenersborg	
NASU	Vaermlandsnaes	
VSTU	Vaestervik	
VXJU	Vaexsjoe	
VNY	Varmlds Nysat	
VAS	Vassijaure	
VEB	Veberod	
VIKU	Vikbolandet	
VIM	Vimmerby	
Switzerland		
Luzern		
SLUW	Luzern Werkhofstrasse	
Raron		
LAUCH	Lauchernalp	
ACHB	Acheberg	
AIGLE	Aigle	
APL	Alpnach	
SAUR	Augst-Roemermuseum	
BALST	Balsthal	
BNALP	Bannalp	
BBS	Basel-Blauen	
SBAF	Basel-Friedhofgasse	
SBAP	Basel-PUK	
SBAT	Basel-Tropenhaus	
BAS	Basle	
BERNI	Berninapass	
SBIS2	Binningen	
BOURR	Bourrignon	
BRI	Brig	
BIBA	Brigerbad	
BUB	Buchberg	
SBUB	Buchserberg Malbun	
SCEL	Celerina	
SULZ	Cheisacher	
CHIR1	Chironico	
CHU	Chur	
SCOU	Cournillens	
CUNA	Curaglia	
DAVON	Davos	
DAVOS	Davos	
DAVOX	Davos/Dischmatal	
ZUR	Degenried	
DOETR	Doetra (Olivone)	
EMBD	Embd, Mattertal	
EMO	Emosson	
EMS	Emosson-Mur	
FIESA	Fiescheralp	
FLACH	Flaach	
EWZT1	Frdhf. Weidikon, ZR	
SFRA	Frenkendorf	
FUSIO	Fusio	
DIX	Grande Dixence	
GRYON	Gryon	
HALTI	Haltingen (BS)	
HASLI	Hasliberg/Brienz	
SKAF	Kaiseraugst-Friedh	
KAMOR	Kamor	
LIENZ	Kamor/St.Gall Rh.T	
SALAN	Lac Salanfe	
SENIN	Lac Senin/Sanetsch	
RITOM	Lago Ritom (SBB)	
NOV4	La Tour-de-Pellz	
BRANT	Les Verrieres	
LKBD	Leukerbad	
LKBD2	Leukerbad 2	
LLS	Linth-Limmern	
LUKA1	Lukmanier-Pass	
MMK	Mattmark	
MELS	Mels	
MUGIO	Muggio	
MFSFA	Multi FST (Faido)	
MFSFB	Multi FST (Faido)	
MUO	Muotathal	
SMUK	Muraz-Klaeranlage	
SMUR	Muraz-Reservoire	
SMZW	Muttenz-Waldhaus	
NARA	Nara (Leontica)	
NEU	Neuchatel	
NEC	Neuchatel	
NOV1	NOV1	
NOV2	NOV2	
NOV3	NOV3	
FUORN	Ofenpass-Fuorn	
ORB	Orbe	
OTTER	Otterbach	
OTER1	Otterbach 1 (BS)	
OTER2	Otterbach 2 (BS)	
OSS	Ova Spin	
PLONS	Plons/SG	
SRER	Reinach, Rainenweg	
SRNR	Reinach, Reinacherhof	
RIEH2	Riehen 2 (BS)	
SRHB	Riehen-Baumlih	

Code	Station Name	Other
SAX	Saentis	
SCHE	Schaffhausen-Ebnat	
SCHS	Schaffhausen, Spital	
SLE	Schleitheim	
MATTE	Schuetzenmatte (BS)	
SCUC	Scuol-Clozza	
SIERE	Sierre	
SIMPL	Simplonpass	
SIS	Sion	
SIOO	Sion-Ophtalmol	
SIOV	Sion-Valere	
CURA	Stauanlage Cunera	
STEIN	Stein am Rhein	
GIMEL	St. Georges / Gimel	
JOHAN	St. Johann (BS)	
STAF	Tafers	
TMA	Tamaro	
TORNY	Torny/Romont	
TONGO	Tortengo (Faido)	
EWZT0	Triemli, ZR	
TRULL	Truellikon	
STSP	Tschierv	
PIORA	Tunnel	
EWZT3	Uitikon, ZR	
VDL	Val di Lei	
SVAM	Vaz, Muldain	
EMV	Vieux Emosson	
SVIL	Visp Littennaring	
SVIO	Visp Obere Stapfengasse	
SVIT	Visp-Terbinerstrasse	
VANNI	Vissoie, Val d'Anniviers	
WEIN	Weingarten	
EWZT2	Wettswil, ZR	
WILA	Wila	
WIMIS	Wimmis	
SYVJ	Yverdon-Jordils	
SZER	Zernez	
ZLA	Zuerich Laegern	
ZUL	Zurich-Lageren	
Valais		
SGRA	Graechen Ausblick	
SNIB	St. Niklaus Bahnhofstrasse	
Ukraine		
ALU	Alushta	
BERU	Beregovo	
BRIU	Brid	
CHRU	Chernivtsi	
CRA	Chernovtsy	
CRB	Chernovtsy (B)	
FEO	Feodosiya	
HORU	Horodok	
KERU	Kerch	
KIEV	Kiev	
KORU	Korolevo	
KSV	Kosov	
KMPD	K-Podol'skiy	
LVV	L'vov	
MKY	Makeyevka	
AKASG	Malin Array Beam Reference Point	
AK01	Malin Array Site 01	
AK02	Malin Array Site 02	
AK03	Malin Array Site 03	
AK04	Malin Array Site 04	
AK05	Malin Array Site 05	
AK06	Malin Array Site 06	
AK07	Malin Array Site 07	
AK08	Malin Array Site 08	
AK09	Malin Array Site 09	
AK10	Malin Array Site 10	
AK11	Malin Array Site 11	
AK12	Malin Array Site 12	
AK13	Malin Array Site 13	
AK14	Malin Array Site 14	
AK15	Malin Array Site 15	
AK16	Malin Array Site 16	
AK17	Malin Array Site 17	
AK18	Malin Array Site 18	
AK19	Malin Array Site 19	
AK20	Malin Array Site 20	
AK21	Malin Array Site 21	
AK22	Malin Array Site 22	
AK23	Malin Array Site 23	
AKBB	Malin Array Site BB	
MEZ	Mezhgor'ye	
MRSS	Morshin	MORS
MORS	Morshin	
MUKU	Mukachevo	
NDNU	Novodnistrovsk	
NSLU	Nyzhne Selyshche	
NE56	Odesa	
NE58	Poltava	
RAKU	Rahkiv	
RAK	Rakhov	
SEV	Sevastopol'	
SHIU	Shidnytsya	
SIM	Simferopol'	
NE55	Skvira	
STNU	Starunia	
STZU	Stuzhytsa	
SUDU	Sudak	
TRSU	Trosnyk	
UZH	Uzhgorod	
YAL	Yalta	
United Kingdom		
Channel Islands		
JRS	Jersey	
JDC	Jersey Dam (Crest)	
JDG	Jersey Dam (Gallery)	
JLP	Les Platons	
JQE	Queens East	
JSA	Saint Aubin	
JVM	Valle D.L. Mare	
England		
HAE	Alders End	
XAL	Allendale	
AFH	Ashford Hill	
ABA1	Baconsthorpe	
BHM	Barham	
BATH	Bath	
BID	Bidston	
BMY	Bingley Moor	
KBI1	Birley Grange	
BKN	Blacknest	
HBL2	Bonnylands	
LBO	Bowland	
TBW	Brentwood	
BUW	Bucklebury West	
CBW1	Budock Water	
BUWY	Burn	
CCA1	Carnmenellis	
LCP	Cassop	
CWF	Charnwood Forest	
CHDUK	Cheddleton UK	
CLB	Chilbolton	
TCR	Colchester	
DCO	Combe Farm	
CCO1	Constantine	
LCK	Crook	
XDE	Dent Fell	
CDU1	Dunnerdale	
DUR	Durham	
AEU	East Anglia University	
TEB	Eastbourne	
ELSH	Elham, Standardhill Farm (Kent)	
HEX	Exmoor	
TFO1	Folkestone	
CGH1	Goonhilly	
HGH	Gray Hill	
GILD	Guildford	
CGW	Gweek	
HTL	Hartland	
SFH	Hasselmere	
HPK	Haverah Park	
HEA	Headley	
HMNX	Herstmonceux	
HHWY	High Hoyland	
LHO	Holmfirth	
SIW	Isle of Wight	
CKE	Keswick	
KESW	Keswick, Cumbria	
KEW	Kew	
KEY1	Keyworth	
KEY2	Keyworth	
LKL	Kirkby Lonsdale	
SKP1	Kophill	
LDU	Leeds University	
LVR	Liverpool	
LLO	Longridge	
LLY	Lytham Saint Anne's	
CMA1	Manaccan	
LMK	Market Rasen	
SMD	Mendips	
CME	Menerdue Farm	
MMY	Middlesmoor	
LMI	Millom	
LBH	Morecambe B102	
OLDB	Oldbury-Upon-Severn	
OMWY	Oxenhope Moor	
OXD	Oxford	
APAE	Packway	
CPZ	Penzance	
POE	Porton East	
POS	Porton South	
QMB	Queensbury	
LRN	Richmond	
CRQ	Rosemanowes	
CRQ2	Rosemanowes 2	
SBD	Saint Breward	
CSF	Scaffel	
TSA1	Sevenoaks	
SHT	Sharpitor	
SHID	Shide	
SCK	South Creake	
CSA1	St Austell	
CST1	Stithians	
STNC	Stoke	
STO	Stonyhurst	
SSW	Stow on the Wold	
STRD	Stroud	
SWN1	Swindon	
KSY	Syston	
BTA	Talkin	
KTG1	Tilbrook Grange	
KUF	Ufford	
SWK	Warminster	
KWE	Weaver Farm	
WBE	West Bromwich	
AWH	Whinburgh	
LWH	Whinny Nab	
AWI1	Witton	
WOL	Wolverton	
WON	Wolverton North	
DYA	Yadsworthy	
Isle of Man		
WIM	Isle of Man	
GIM	North Isle of Man	
Northern Ireland		
GCL	Cushendall	
GMM	Mts of Mourne	
Orkney Islands		
OHO	Hoy	
OST	Stronsay	
OWE	Westray	
Scotland		
ABE	Aberdeen	
EAB	Aberfoyle	
KAC	Achnashellach	
MVH1	Achvaich	
KAR1	Arisaig	
EAU	Auchinoon	
EBH	Black Hill	
BBO1	Bothel	
OBR	Brabster	
EBL	Broad Law	
BBH	Bruntsheil	
RCR	Cape Wrath	
PCA1	Carrot	
GCD	Castle Douglas	
ECK	Cauldkaine Hill	
BCC1	Chapelcross	
MCD	Coleburn Distillery	
PCOU	Corrie	
BDL	Dobcross Hall	
MDO	Dochfour	
EDR	Drumtochty	
EDU	Dundee	
EDI	Edinburgh	
REB	Eisghbrachaidh	
EKG	Eskdalemuir	EKB
EKB	Eskdalemuir	
ESK	Eskdalemuir	
EKA	Eskdalemuir Array	
EKB1	Eskdalemuir Array Site B1	
EKB10	Eskdalemuir Array Site B10	
EKB2	Eskdalemuir Array Site B2	
EKB3	Eskdalemuir Array Site B3	
EKB4	Eskdalemuir Array Site B4	
EKB5	Eskdalemuir Array Site B5	
EKB6	Eskdalemuir Array Site B6	
EKB7	Eskdalemuir Array Site B7	
EKB8	Eskdalemuir Array Site B8	
EKB9	Eskdalemuir Array Site B9	
EKR1	Eskdalemuir Array Site R1	
EKR10	Eskdalemuir Array Site R10	
EKR2	Eskdalemuir Array Site R2	
EKR3	Eskdalemuir Array Site R3	
EKR4	Eskdalemuir Array Site R4	
EKR5	Eskdalemuir Array Site R5	
EKR6	Eskdalemuir Array Site R6	
EKR7	Eskdalemuir Array Site R7	
EKR8	Eskdalemuir Array Site R8	
EKR9	Eskdalemuir Array Site R9	
MFI	Fishrie	
RFO	Forsnaval	
EGL	Gala Law	
EGL1	Gala Law	
GAL1	Galloway	
PGBU	Glenifferbraes	
BHH	Howats Hill	
INVG	Invergeldie, Comrie	
KYL	Kyle	
MLA1	Latheron	
ELO	Logie Almond	
DRUM	Mains of Drumtochty	
MME1	Meikle Cairn	
PMSU	Muirshiel	
GMK	Mull of Kintyre	
KNR1	Nevis Range	
BNA	New Abbey	
POB1	Observatory	
KPL	Plockton	
ORE	Reay	
RRH	Rhenigidale	
RRR	Rubha Reidh	
RSC	Scourie	
KSK	Scoval	
KSB	Sheil Bridge	
XSO	Sourhope Farm	
ESY	Stoneypath	
RTO	Tolsta	
OTO	Tongue	
BIGH	Upper Bighouse, Forsinard	
BWH	Wardlaw	
Shetland Islands		
LRWS	Lerwick	
LRW	Lerwick	
SAN1	Sandwick	
SANU	Sandwick	
WAL1	Walls	
WALU	Walls	
YELU	Yell	
YEL1	Yell	
Wales		
BYB	Berrybush	
WBR	Bronaber	
SBD1	Bryn Du	
WCB1	Church Bay	
HCG	Craig Goch	
WFB	Fairbourne	
FOEL	Foel Wylfa	
LPW	Lampeter	
YLL	Llanberis	
LLW	Llanuwychllyn	
WLC	Llyn Conwy	
WLF1	Llynfaes	
HLM1	Long Mynd	
MCH1	Michaelchurch	
MONM	Monmouth	
WME	Myndd Eilian	
HPE	Pembroke	
WPM1	Penmaenmawr	
YRH	Rhiw	
YRC	Rhoscolyn	
SSP1	Stoney Pound	
WST	Stwlan	
HSA	Swansea	
HTR	Trewern Hill	
WVR	Vyrnwy	
YRE	Yr Eifl	
Wales		
WPS	Cemaes, Anglesey	

INDIAN OCEAN

Amsterdam Island		
AIS	Amsterdam Island	
Chagos Archipelago		
DGAR	Diego Garcia	
I52GB	DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	
Christmas Island		
XMI	Christmas Island	
XMIS	Christmas Island	
Cocos Islands		
CCK	Cocos Island	
COCO	West Island	
Crozet Islands		
CRZF	Crozet Islands	
Heard Island		
HII	Heard Island	
Kerguelen Islands		
KCA	Cave	
I23FR	KERGUELEN INFRASONIC ARRAY REFERENCE POINT	
KCH	Monts Chateau	
PMK	Pointe Molloy	
PAF	Port-aux-Francais	
KPB	Port Bizet	
KPD	Port Douzieme	
Mauritius		
MRI	Mauritius Island	
MRIV	Mauritius Meteorological Services (Vacoas)	
Prince Edward Islands		
MIO	Marion Island	
Reunion		
PCR	La Plaine Cafres	
REU	Reunion Island	
RER	Riviere de l'Est	
Seychelles		
SEY1	Mahe	
MSEY	Mahe Island	
SEYC	Seychelles	

NORTH AMERICA

Alaska		
I53US	FAIRBANKS INFRASONIC ARRAY REFERENCE POINT	
Baja California		
ZAX	El Zacaton	
British Columbia		
PA01	PA01 North	
PA02	PA02 Ocean	
PA03	PA03 Flamable	
PA04	PA04 Cage	
PA05	PA05 Willingdon	
PA12	PA12 Sannich	
California		
I57US	PINON FLAT INFRASONIC ARRAY REFERENCE POINT	
FRCO	San Francisco	
Canada		
Alberta		
BAN	Banff	
DCA2	Baytree	
DCA1	Bonanza	
CLM	Coleman	
DCA3	Cotillion Park	
EDM	Edmonton	
ELD	Ethyl Lake Duckett	
FSMA	Fort Smith	
HILA	High Level	
JP-AT	Jasper	
JP-	Jasper	JP-AT
KV-	Keg River	KV-AT
KV-AT	Keg River	
PRDA	Priddis	
RAYA	Raymond Alberta	
SES	Suffield	
TMDA	Turtle Mountain	
WAPA	Wapiti River	
WALA	Waterton Lakes	
WS-	Waterways	WS-AT
WS-AT	Waterways	
ORGA		
British Columbia		
HM-BC	100 Mile House	
ALB	Alberni	
ALRB	Anaheim Lake	
ANMB	Anmore	
A07A	Ashnola River, Keremeos	
ATLB	Atluck Lake	
ATC	Attachie	
BMSB	Bamfield Marine Station	
BPCB	Bare Point	
NCBC	Barkley Canyon	
BNB	Barry Inlet	
BBB	Bella Bella	
BCBC	Bella Coola	
BDBC	Bennett Dam	
WGB	Blue River	
BLBC	Blue River	
BQB	Bob Quinn Lake	
BNAB	Bonilla	
BIB	Bowen Island	
BPBC	Brooks Peninsula	
BMBC	Bull Mountain	
BTB	Buttle Lake	
CK-BC	Cache Creek	
CK-	Cache Creek	CK-BC
CLSB	Cack Lake	
CBB	Campbell River	
SJB	Cape Saint James	
CPLB	Carmanah Point Lighthouse	
AHCB	Chemainus	
CTC	Chetwynd	
A06A	Chilliwack	
CLVB	Cleveland Dam	
COQB	Coquitlam Dam	
CWB	Cumshewa	
CCC	Cusp Creek	
DAWS	Dawson Inlet	
DIB	Dawson Inlet, BC	
DLB	Dease Lake	
DLBC	Dease Lake	
DPRB	Downie Pk Ridge	
DOWB	Downie Slide	
EDB	Eliza Dome	
ENGB	English Bluff	
ETB	Estevan Point	
FHRB	Fair Harbour	
FRC	Federal Ranch	
FRN	Fernie	
FNC	Finlay Fork	
FLLB	Fletcher Lake Big Creek, BC	
FKBC	Forrest Kerr	
FT-BC	Fort McLeod	
FT-	Fort McLeod	FT-BC
FNBB	Fort Nelson	
FL-	Fort Nelson	FL-BC
FL-BC	Fort Nelson	
FNBC	Fort Nelson	

Code	Station Name	Other
FSB	Fort Saint James	
FSJ	Fort Saint James	
FCBC	Franklin Camp	
GOB	Galiano Island	
GOBB	Galiano Island	
GDR	Gold River	
GSTB	Goldstream Park	
VGZ	Gonzales	
GOWB	Gowlland Point	
HNB	Haney	
HYC	Haney	
HLSB	Harrison Lake South	
HRMB	Harrison Mills	
HBDB	Hayseed and Buckwheat Dairy Farm	
HOLB	Holberg	
HOPB	Hope	
HBC	Horseshoe Bay	
HM-	Hundred Mile H.	HM-BC
JRBB	Jordan River	
KANO	Kano Inlet	
KELB	Kelsey	
KBB	Kelsey Bay	
KLNB	Kelsey New	
LIB	Langara Island	
LR9	Liard River	
LLL	Lillooet	
LLLB	Lillooet	
MABC	Malibu	
SHDB	Maple Bay	
MSTB	Masset	
MASB	Masset	
MAYB	Maynard	
MGCB	McGee Creek	
ME-BC	Merritt	
ME-	Merritt	ME-BC
MCC	Mica Creek	
MCE	Mica Creek	
MCMB1	Michelle Canyon Maxwell	
MOBC	Moresby Island	
MNB	Mounoet Dainard	
FALL	Mountain Creek	
CARB	Mount Cartier	
MGB	Mount Grey	
LZB	Mount Lazard	
OZB	Mount Ozzard	
THOB	Mount Thompson	
MWAB	Mount Washington	
MUB	Muncho Lake	
NDB	Naden	
NAB	Nanaimo	
NLLB	Nanaimo Lost Lake,BC	
GHNB	Nanoose	
NCEN	NEPTUNE Canada Endeavour node	
KEBB	NEPTUNE Canada Endeavour West	
NCHR	NEPTUNE Canada High Rise	
KEMF	NEPTUNE Canada Main Field	
KEMO	NEPTUNE Canada Mothra	
NCRB	Newcastle Ridge	
OFB	Ocean Falls	
NC27	ODP1027	
NC89	ODP889	
SHVB	Paradis Home	
PMB	Pemberton	
PIB	Pender Island	
PNT	Penticton	
PPC	Pine Pass	
PIMB	Pitt Meadows	
PLBC	Pleasant Camp	
PACB	Port Alice, BC	
PCB	Port Clements	
PHC	Port Hardy	
PFB	Port Renfrew	
PG2BC	Prince George	
PG-	Prince George	PG-BC
PG-BC	Prince George	
RUB	Prince Rupert	
RUBB	Prince Rupert	
PD-	Princeton	PD-BC
PD-BC	Princeton	
QCC	Queen Charlotte	
QN-BC	Quesnel	
QN-	Quesnel	QN-BC
SLEB	Sale Mountain	
SSIB	Saltspring Island	
SSQ	Sandspit	
SNB	Saturna Island	
SHB	Sechelt	
CLAP	Shields Creek	
PGC	Sidney	
SILB	Sidney Island	
SKB	Skidegate	
SI-BC	Smithers	
SI-	Smithers	SI-BC
SOKB	Sooke	
SPLB	Strathcona Park Lodge	
SURV	Survey Creek	
TABB	Tabernacle Mountain	
TSB	Tasu	
TALB	Tatla Lake BC	
TLCB	Telegraph Cove	
TCBC	Telegraph Creek	
TFRB	Telus,Franklin R.	
TXB	Texada	
THMB	Thunder Mountain BC	
TWBB	Timber West Blakeney	
TWGB	Timber West Granite	
TWKB	Timber West Koksilah	
TSJB	Timber West San Juan	
TOFB	Tofino	
EPMB	Univ. Columbia	
UBRB	Upper Baezaeko River	
SULB	Vanderhoof	
VIB	Van Inlet	
VDB	Vedder Mountain	
VIC	Victoria	
KHVB	Wang Home	
WPB	Watts Point	
WHB	Whistler	
WSLR	Whistler	
WTRB	White River	
WKB	White Rock	
WK-BC	Williams Lake	
WK-	Williams Lake	WK-BC
WCBC	Windy Craggy	
WOSB	Woss	
QURY	Yakoun River	
PHYB	Yellowpoint	
YOUB	Youbou, Lake Cowichan	
Manitoba		
CH-	Churchill	CH-MT
CH-MT	Churchill	
EB-	East Braintree	EB-MT
EB-MT	East Braintree	
FCC	Fort Churchill	
ULM	Lac du Bonnet	
PWM	Pinawa	
New Brunswick		
BATG	Bathurst New Brunswick	
BOIN	Boiestown	
LMN	Caledonia Mountain	
ER218	Early Rise 218	
ER219	Early Rise 219	
ER220	Early Rise 220	
ER221	Early Rise 221	
ER222	Early Rise 222	
ER223	Early Rise 223	
ER224	Early Rise 224	
ER225	Early Rise 225	
ER226	Early Rise 226	
ER227	Early Rise 227	
ER228	Early Rise 228	
ER229	Early Rise 229	
ER230	Early Rise 230	
EBN	Edmundston	
EDMN	Edmundston, New Brunswick	
KLN	McKendrick Lake	
MINB	Miramichi	
GGN	Saint George	
UNB	University of New Brunswick	
Newfoundland		
CODG	Codroy Newfoundland	
CBK	Corner Brook	
DRLN	Deer Lake	
PKN	Parkers Pond	
STJN	Saint John's	
SJNN	Saint John's	
STJ	Saint John's	
WABN	Wabush	
Northwest Territories		
ACKN	Achilles Lake	
ALE	Alert	
AP3N	Apex site 3 Nunavut	
BLC	Baker Lake	
BOXN	Box Lake	
CBAR	Cambridge Bay Array Beam Reference Point	
CB01	Cambridge Bay Array Site 1	
CB11	Cambridge Bay Array Site 11	
CB12	Cambridge Bay Array Site 12	
CB13	Cambridge Bay Array Site 13	
CB14	Cambridge Bay Array Site 14	
CB15	Cambridge Bay Array Site 15	
CB16	Cambridge Bay Array Site 16	
CB17	Cambridge Bay Array Site 17	
CB18	Cambridge Bay Array Site 18	
CB19	Cambridge Bay Array Site 19	
CB02	Cambridge Bay Array Site 2	
CB03	Cambridge Bay Array Site 3	
CB31	Cambridge Bay Array Site 31	CBAR
CB32	Cambridge Bay Array Site 32	
CB33	Cambridge Bay Array Site 33	
CB34	Cambridge Bay Array Site 34	
CB35	Cambridge Bay Array Site 35	
CB04	Cambridge Bay Array Site 4	
CB05	Cambridge Bay Array Site 5	
CB06	Cambridge Bay Array Site 6	
CB07	Cambridge Bay Array Site 7	
CB08	Cambridge Bay Array Site 8	
CB09	Cambridge Bay Array Site 9	
CAMN	Camsell Lake	
CDKN	Chidliak Camp Nunavut	
CLVN	Colville Lake	
COWN	Contwyoto Lake 2	
COKN	Cook Lake	
CMC	Coppermine	
CMBN	Cumberland Camp Nunavut	
DHRN	Dharma Camp	
DVKN	Diavik Mine	
DSMN	Discovery Mine	
EKTN	Ekati Mine	
FST1	Fort Simpson	
FST	Fort Simpson	
FRB	Frobisher Bay	
FBC	Frobisher Bay	
FBN	Frobisher Bay	FRB
GDLN	Gardenia Lake, NWT	
GIFN	Gifford Fjord, Baffin Island, Nunavut	
GLWN	Glow Worm Lake	
GBLN	Grizzly Bear Lake	
HPLN	Hepburn Lake, NWT	
HMNT	Holman	
IGL	Igloolik	
IGLN	Igloolik	
ILON	Igloolik, Nunavut	
IHLN	Indian Hill Lake	
INK	Inuvik	
JERN	Jeri Cho Mine, NWT	
KNDN	Kennady Lake	
KUKN	Kugluktuk,NWT	
LDGN	Lac de Gras North	
LGSN	Lac de Gras South	
LAIN	Lailor River, Nunavut	
LDBN	Lake De Bois	
LUPN	Lupin Mine	
MCKN	MacKay Lake North	
MGTN	Margaret Lake	
MLON	Marlo Lake	
NP-NT	Mould Bay	
MBC	Mould Bay	
NPT	Nicholson Point	
NODN	Nodinka Narrows	
NP-	North Pole	NP-NT
QILN	Qililugaq Exploration Camp	
YRTN	Rankin Inlet	
RES	Resolute Bay	
ROMN	Roman Lake	
SWT	Sachs Harbour	
SXT	Sachs Harbour	
SNLN	Sandy Lake, NWT	
SRLN	Sarcpa Lake, Nunavut	
SMPN	Simpson Lake	
SNPN	Snap Lake	
TKT	Tuktoyaktuk	
TUK	Tuktoyaktuk	
WAGN	Wager Bay	
WHFN	White Fish Lake	
YMBN	Yamba Lake	
YNEN	Yamba Lake Northeast	
RSNT	Yellowknife	
YKC	Yellowknife	
YKR8	Yellowknife Ar.	YKB5
YKR0	Yellowknife Array	
YKA	Yellowknife Array Beam Reference Point	
YKB0	Yellowknife Array Site B0	
YKB1	Yellowknife Array Site B1	
YKB2	Yellowknife Array Site B2	
YKB3	Yellowknife Array Site B3	
YKB4	Yellowknife Array Site B4	
YKB6	Yellowknife Array Site B6	
YKB7	Yellowknife Array Site B7	
YKB8	Yellowknife Array Site B8	
YKB9	Yellowknife Array Site B9	
YKR1	Yellowknife Array Site R1	
YKR2	Yellowknife Array Site R2	
YKR3	Yellowknife Array Site R3	
YKR4	Yellowknife Array Site R4	
YKR5	Yellowknife Array Site R5	
YKR6	Yellowknife Array Site R6	
YKR7	Yellowknife Array Site R7	
YKR9	Yellowknife Array Site R9	
YKB5	Yellowknife Array Sites B5 and R8	
YKW1	Yellowknife Array Site W1	
YKW2	Yellowknife Array Site W2	
YKW3	Yellowknife Array Site W3	
YKW4	Yellowknife Array site W4	
Nova Scotia		
CHEG	Cheticamp, Nova Scotia	
ER231	Early Rise 231	
ER232	Early Rise 232	
ER234	Early Rise 234	
ER235	Early Rise 235	
ER236	Early Rise 236	
ER237	Early Rise 237	
ER238	Early Rise 238	
ER239	Early Rise 239	
ER241	Early Rise 241	
ER242	Early Rise 242	
GBN	Guysborough	
HAL	Halifax	
MALG	Malagash, Nova Scotia	
SABG	Sable island	
Nunavut		
ARVN	Arviat, NU	
B1NU	Baffin Island 1	
B2NU	Baffin Island 2	
YBKN	Baker Lake, Hudson Bay	
BULN	Bullion Camp, Hudson Bay	
CLRN	Clyde River	
EUNU	Eureka	
SEDN	First Sedna Site,Hudson Bay	
GFNU	Grise Fiord	
KUGN	Kugaaruk Camp, Nunavut	
MCMN	McManaman Lake, Nunavut	
NUNN	Nunuq Camp, NU	
PINU	Pond Inlet	
JOSN	Second Sedna Site,Hudson Bay	
SMLN	Simpson Lake, Nunavut	
STLN	Stellar Camp, Hudson Bay	
SBNU	Taloyoak	
Ontario		
OT001	1031 Sheenboro Crescent, Ottawa	
OT002	1514 Bourcier, Ottawa	
OT004	16, Winslow Court, Ottawa	
OT008	2758 Massicotte Lane, Ottawa	
OT012	7 Observatory Cres., Ottawa	
OT006	959, Brant, Ottawa	
ACTO	Acton	
AFO1	Alfred	
ALFO	Alfred	
AFO2	Alfred	
ALGO	Algonquin Park	
BASO	Ashfield	
ATKO	Atikokan Iron Mine	
BANO	Bancroft	
OTBB	Blackburn lab bldg12	
BRPO	Bonnechere River Park	
BRCO	Bruce Peninsula	
BUKO	Buck Lake	
RD01	Burlington	
BUO	Burlington	
OTNM	Canadian Museum of Nature	
CLPO	Centennial Lake Park	
CKO	Chalk River	
CRLO	Chalk River	
CFO	Chats Falls	
CLWO	Collingwood	
DSNO	Creighton Mine,Sudbury	
SSNO	Creighton Mine,Sudbury	
DAN	Dane	
DREO	Darlington East Ontario	
DRWO	Darlington West Ontario	
DLA	Delaware (Ont)	
DELO	Deloro Mine	
DVO	Downsview	
ER101	Early Rise 101	
ER102	Early Rise 102	
ER103	Early Rise 103	
ER104	Early Rise 104	
ER105	Early Rise 105	
ER106	Early Rise 106	
ER107	Early Rise 107	
ER108	Early Rise 108	
EFO	Effingham	
EEO	Eldee	
ELFO	Elginfield	
ELF	Elginfield	
ELLO	Elliot Lake	
ELGO	Elora Gorge	
ES-	Espanola	ES-ON
ES-ON	Espanola	
EPLO	Experimental Lakes	
FHO	Fitzroy Harbor	
GTO	Geraldton	
OTGH	Glebe high school	
HGVO	Hagersville	
HSMO	Haileybury School of Mines	
HML	Hamilton	
HUO	Hudson	
KAO	Kapuskasing	
KAPO	Kapuskasing	
KASO	Kasabonika Lake, First Nations Ontario	
KLBO	Killbear Provincial Park	
KGNO	Kingston	
KILO	Kirkland Lake	
KLC	Kirkland Lake	
KLO	Kirkland Lake	
LDIO	Lac des Isle Mine	
LHC	Lakehead University	
LINO	Lindsay	
LDN	London (Ont)	
LND	London (Ont)	
MADO	Madoc	
MW-	Mattawa	MW-ON
MW-ON	Mattawa	
MALO	McAlpine Lake	
BMRO	Meriville Lake	
MSNO	Moosonee Ontario	
RD03	Mount Hope	
MPPO	Murphy's Point	
MUMO	Musselwhite Mine	
NANO	Nakina Ontario	
NSKO	Neskantaga (Lansdowne House)First Nations Ontario	
OTWM	No. 579 Westminster Ave.	
ORHO	Orleans, Heritage Park	
ORIO	Orleans, Innes Road, Ontario	
OT011	OT011	
OTT	Ottawa	
OTRO	Otter Rapids	
PLIO	Pelee Island, Stone Alvar Conservation Area	
PEMO	Pembroke	
PKRO	Pickering	
PKLO	Pickle Lake	
PLVO	Plevna	
PTCO	Port Colborne	
PECO	Prince Edward County	
PNPO	Pukaskwa National Park	
RK-	Red Lake	RK-ON
RDLO	Red Lake	
RSON	Red Lake	
RLKO	Red Lake	
RK-ON	Red Lake	
RSPO	Restoule Provincial Park	
SADO	Sadowa	
STCO	Saint Catharines	
SL-ON	Sault Sainte Marie	
SL-	Sault Ste Marie	SL-ON
SCB	Scarborough	
SOO	Sioux Lookout	
SOLO	Sioux Lookout	
SXO	Sioux Lookout	
RD04	Stoney Creek	
SWXO	Sudbury	
SUD	Sudbury	
SWO	Sudbury	
SUO	Sudbury	
SZO	Sudbury	
SUNO	Sudbury Onaping	
SILO	Sutton Inlier	
TBO	Thunder Bay	
TIMO	Timmins Ontario	
TOBO	Tobermory, Bruce Peninsula National Park	
TNT	Toronto	
TORO	Toronto--Leslie Street Spit	
TYNO	Tyneside	
UWOO	University of Western Ontario	
VIMO	Victor Mine	
BWLO	Walkerton	
RD02	Waterdown	
WEO	Welcome	
WLVO	Wesleyville	
WBO	Williamsburg	
WNR	Windsor	
Quebec		
AKVQ	Akulivik	
YOSQ	Ashton Mining of Canada property	
CNQ	Baie Comeau	
BSPQ	Baie-St-Paul	
BELQ	Belleterre	
BCLQ	Boischatel	
BU-	Buckingham	BU-QB
BU-QB	Buckingham	
CBRQ	Cabonga Reservoir	
CHQ	Charlesbourg	
CHGQ	Chibougamau	
CIQ	Chicoutimi	
CHIQ	Chicoutimi-Nord	
SMQ	Clarke City	

Code	*Station Name*	*Other*
DMCQ	Dolbeau-Mistassini	
ER109	Early Rise 109	
ER110	Early Rise 110	
ER111	Early Rise 111	
ER112	Early Rise 112	
ER113	Early Rise 113	
ER114	Early Rise 114	
ER115	Early Rise 115	
ER116	Early Rise 116	
ER117	Early Rise 117	
ER118	Early Rise 118	
ER119	Early Rise 119	
ER120	Early Rise 120	
ER201	Early Rise 201	
ER202	Early Rise 202	
ER203	Early Rise 203	
ER204	Early Rise 204	
ER205	Early Rise 205	
ER207	Early Rise 207	
ER208	Early Rise 208	
ER209	Early Rise 209	
ER210	Early Rise 210	
ER211	Early Rise 211	
ER212	Early Rise 212	
ER213	Early Rise 213	
ER215	Early Rise 215	
ER216	Early Rise 216	
ER217	Early Rise 217	
GASG	Gaspe, Quebec	
GNT	Gentilly	
GAC	Glen Almond	
GRQ	Grand Remous	
GWR	Great Whale R.	PBQ
GWC	Great Whale River	
GSQ	Grosses Roches	
HTQ	Hauterive	
HMC	Holland Mills	
INUQ	Inukjuak	
IVKQ	Ivujivik	
MLQ1	Kipawa	
KUQ	Kuujjuaa	
DAQ	Lac Daran	
DHLQ	Lac-des-Plages	
LSQ1	Lac Sinclair, Quebec	
LAQ	La Grande	
LBQ	La Grande	
LCQ	La Grande	
LDQ	La Grande	
LGQ	La Grande	
LTQ	La Grande	
JAQ	La Grande 3	
JBQ	La Grande 3	
JCQ	La Grande 3	
LRQ	La Grande 3	
LXQ	La Grande 3	
KAQ	La Grande 4	
KBQ	La Grande 4	
KCQ	La Grande 4	
LQQ	La Grande 4	
LG4Q	La Grande 4	
LMBQ	La Malbaie	
LMQ	La Malbaie	
LPQ	La Pocatiere	
POC	La Pocatiere	
LATQ	La Tuque	
LSQQ	Lebel-sur-Quevillon	
MNQ	Manicouagan	
MIQ	Maniwaki	
MATQ	Matagami	
A54	Misere	
MOQ	Mont Orford	
MNT	Montreal	
TRQ	Mont Tremblant	
MRNQ	Morin Heights	
MRHQ	Morin Heights	
NEMQ	Nemaska	
NMSQ	Nemaska Station	
ICQ	Pointe Anglais	
PBQ	Poste Baleine	
QBC	Quebec	
QCQ	Quebec	QBC
QCL	Quebec	QBC
RIMQ	Rimouski	
RDLQ	Riviere-du-Loop	
A16	Riviere Ouelle	
ROUQ	Riviere-Ouelle	
A21	Saint Andre	
SADQ	Saint-Augustin-de-Desmaures	
A61	Sainte Mathilde	
SHQ	Saint-Hilarion	
DPQ	Saint Jean	
SLQ	Saint Louis du Ha Ha	
A11	Saint Roch-des-Aulnaies	
A64	Saint Simeon	
SNKN	Sanikiluaq	
SNQN	Sanikiluaq	
SV2QB	Schefferville	
SCH	Schefferville	
SV3QB	Schefferville	
SCHQ	Schefferville	
SV2	Schefferville	SV2QB
SV3	Schefferville	SV3QB
SFA	Sept-Chutes	
SIC	Sept Iles	
SHF	Shawinigan Falls	
SBQ	Sherbrooke	
SO-QB	Sorel	
SO-	Sorel	SO-QB
SANQ	St-Andre-du-Lac-St-Jean	
SELQ	St-Eleuthere	
SGRQ	St-Georges	
SLBQ	St-Lucie-de-Beauregard	
STOQ	Stoneham	
STPQ	St-Pascal	
TADQ	Tadoussac	
JBBQ	Temiscaming	
MLQ2	Temiscaminque	
TMK	Temiskaming	
VDBQ	Val-des-Bois,QC	
VDQ	Val d'Or	
VALQ	Val d'Or	
VLDQ	Val d'Or	
VMC	Ville Marie	
WEMQ	Wemindji, Quebec	
Saskatchewan		
BGUS	Bergheim	
BMS	Big Muddy Lake	
FFC	Flin Flon	
FLAR	Flin Flon Array Beam	
	Reference Point	
FL01	Flin Flon Array Site 1	
FL10	Flin Flon Array Site 10	
FL11	Flin Flon Array Site 11	
FL12	Flin Flon Array Site 12	
FL13	Flin Flon Array Site 13	
FL14	Flin Flon Array Site 14	
FL15	Flin Flon Array Site 15	
FL16	Flin Flon Array Site 16	
FL17	Flin Flon Array Site 17	
FL18	Flin Flon Array Site 18	
FL02	Flin Flon Array Site 2	
FL03	Flin Flon Array Site 3	
FL31	Flin Flon Array Site 31	
FL04	Flin Flon Array Site 4	
FL05	Flin Flon Array Site 5	
FL06	Flin Flon Array Site 6	
FL07	Flin Flon Array Site 7	
FL08	Flin Flon Array Site 8	
FL09	Flin Flon Array Site 9	
SAS	Saskatoon	
Yukon Territory		
BVCY	Beaver Creek	
BH-	Burwash Landing	BH-YK
BH-YK	Burwash Landing	
CTLN	Castor Lake	
DAWY	Dawson	
DWY	Dawson City	
DLY	Dezadeash Lake	
YUK7	Dusty Glacier	
GALN	Gameti Lake	
YUK5	Granite Creek	
HYT	Haines Junction	
ILKN	Indian Lake	
KEY	Kluane	
KRY	Koidern River	
KBT	Komakuk Beach	
YUK3	Moose Creek	
YUK6	Outpost Mountain	
YUK1	Sand Pete Hill	
SPY	Shingle Point	
SIY	Silver City	
YUK4	Talbot Arm	
WL-	Watson Lake	WL-YK
WL-YK	Watson Lake	
WHC	Whitehorse	
WH-YK	Whitehorse	
WH-	Whitehorse	WH-YK
WH2YK	Whitehorse	
WHY	Whitehorse	
WH2*	Whitehorse	WH2YK
YUK2	White River	
Caribbean Sea		
GRGR	Grenville	
BBGH	Gun Hill	
Colima		
H06N	Isla Socorro	
Gulf of St. Lawrence		
MADG	Magdalen Islands	
NATG	Natashquan Quebec	
Hawaii		
I59US	HAWAII INFRASONIC ARRAY REFERENCE POINT	
Manitoba		
I10CA	LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	
Mexico		
Aguascalientes		
AGX	Aguascalientes	
Baja California		
LAX	Bahia de Los Angeles	
CBX	Cerro Bola	
CPBX	Cerro Prieto	
CHIX	Chihuahua	
DELX	Delta	
ECBX	El Chinero	
EGM	El Golfo de Santa Clara	
EMX	El Mayor	
ECX	Ensenada	
ENX	Ensenada	
ECNX	Esteban Cantu	
IGM	Isla Guadalupe	
JQX	Jiquilpan	
LPX	La Paz	
LAP	La Paz	
LPIG	La Paz	
RMX	La Rumorosa	
MBIG	Mexicali	
PGX	Piedras Gordas	
PPXB	Puerto Peˆ–asco	
PBX	Punta Banda	
RDX	Rancho Dawling	
RSJ	Rancho San Jose	
RII	Riito	
SALX	Saltillo	
SFX	San Felipe	
SFP	San Felipe	
SJX	San Joaquin	
SMX	San Miguel	
SPX	San Pedro Martir	
SRIG	Santa Rosalia	
SRL	Santa Rosalia	
SLBS	Sierra La Laguna	
VEX	Veracruz	
VCP	Volcan Cerro Prieto	
Campeche		
SCIG	Sabancuy	
TUIG	Tuzandepetl	
Chiapas		
CZC	Chiapa de Corzo	
ARL	Chiapas	
VGP	Chiapas	
LIBM	Chiapas	
MARM	Chiapas	
ZZA	Chiapas	
PAY	Chiapas	
PENM	Chiapas	
UJZ	Chiapas	
PORM	Chiapas	
BJU	Chiapas	
TANM	Chiapas	
SIPM	Chiapas	
CSN	Chicoasen	
CR1	Chicoasen 1	
CR2	Chicoasen 2	
CR3	Chicoasen 3	
CR4	Chicoasen 4	
CR5	Chicoasen 5	
CR6	Chicoasen 6	
CR7	Chicoasen 7	
CCIG	Comitan	
COM	Comitan	
COM2	Comitan 2	
EJC	Estacion Juarez	
IHC	Ixhuatan	
IXC	Ixtacomitan	
JDN	Jardin	
OZC	Ocozocoautla	
OSCM	Ostuacan	
PMM	Presa Malpaso	
PN1	Presa Penitas 1	
PN2	Presa Penitas 2	
PN3	Presa Penitas 3	
PN4	Presa Penitas 4	PORM
SCX	San Cristobal	
SMJM	Simojovel	
TPX	Tapachula	
TLA	Tapachula	
TCX	Tecpatan	
TGBT	Tuxtla Gutierrez	
MUX	Union Juarez	
ZAC	Zacaltic	
PCIG		
THIG		
TGIG		
Chihuahua		
CHH	Chihuahua	
Colima		
COLM	Colima	
CMX	Colima	COLM
SRR	Isla Socorro	
MNZ	Manzanillo	
R15V		
EZ5V		
H06S		
H06E		
Guanajuato		
IGIG	Irapuato, Guanajuato	
LCG	Leon Cerro Gordo	
Guerrero		
ACX	Acapulco	
CDAM	Ciudad Altamirano	
CAIG	El Cayaco	
FLOM	Florida	
LLJ	Guerrero	
CGG	Guerrero	
III	Iguala	
UON	La Union	
LVGX	La Villita	
MEIG	Mezcala	
NUXM	Nuxco	
PPNM	Papanoa	
PPOM	Papayo	
PNIG	Pinotepa	
PLIG	Platanillo	
POGM	Potrero Grande	
CC1	Presa Caracol 1	
CC2	Presa Caracol 2	
CC3	Presa Caracol 3	
CC4	Presa Caracol 4	
CC5	Presa Caracol 5	
PIM	Presa Infiernillo	
ARIG	Puente Sto Nino	
PDEM	Puerto del Eden	
PGOM	Puerto del Gallo	
SJRM	San Jeronimo	
SMAM	San Marcos	
TETM	Tetitlan	
TLIG	Tlapa	
TPG	Tlapa	
HMTT	Tlapaneco	
ZIH	Zihuatanejo	
ZHGX	Zihuatanejo	
ZIIG	Zihuatanejo	
Hidalgo		
TLX	Tulancingo	
Jalisco		
CJM	Chamela	
CGX	Ciudad Guzman	
GUM	Guadalajara	
GUM2	Guadalajara 2	
LNM	Leon	
PUVA	Puert Vallarta	
SFJM	Santa Fe	
UGO	Universidad de Guanajuato	
GDLC		
ACP2	Acapulco	
AMVM	AMECAMECA	
ATVM	ATLACOMULCO	
MAVM	Malinalco, Edo de Mexico	
PBIG	Penon de los Banos, D. F.	
TPIG	Tehuac#an	
TOVM	TOLUCA	
ZUVM	ZUMPANGO	
Mexico D.F.		
IIA	Altzomoni	
AYVM	Ayaqueme	
CRX	Cerrillo	
CGVM	Cerro Gordo	
CHVM	Chichinautzin	
CIVM	Cilcuayo	
CVM	Colonia del Valle	
AZVM	Cuida Lopez Mateos	
DEIG	Demacu	
IIP	El Pino	
IIM	Instituto de Ingenieria, UNAM	
IXT	Ixtapalapa	
JCM	Jocotitlan	
MEX	Mexico City	
OXM	Oxtotitlan	
PTVM	Pico Tres Padres	
PBVM	Pinon	
MDVM	Presa Madin	
PNVM	Presa Marin	
RFVM	Rio Frio	
IIC	Rita Coyotepec	
SZVM	Salazar	
SMMM	San Miguel	
TAC	Tacubaya	
VTVM	Tizayuca	
UNM	Universidad Nacional Autonoma de Mexico	
VCVM	Valle de Chalco	
MZVM		
HSIG		
HPIG		
CGIG		
Mexico:State		
IIJ	Jocotitlan	
IIZ	Mezontepec	
Michoacan		
MMIG	Aquila	
CCMX	Caleta Campos	
LAZM	Lazaro Cardenas	
BVTM	Michoacan	
CBZM	Michoacan	
ZEM	Michoacan	
MOIG	Morelia	
MRX	Morelia	
OSM	Ostula	
URUA	Uruapan	
Morelos		
TPM	Tepoztlan	
YAIG	Yautepec	
Nayarit		
ANIG	Ahuacatlan	
IMM	Islas Marias	
Nuevo Leon		
LNIG	Linares	
TMM	Tecnologico de Monterrey	
TMM2	Tecnologico de Monterrey 2	
VNM	Villa de Garcia	
Oaxaca		
CEO	Cerro Encantado	
UTMO	Huajuapan	
HUIG	Huatulco	
CMIG	Matias Romero	
OXBJ	Oaxaca	
GUO	Oaxaca	
AZO	Oaxaca	
PXO	Oaxaca	
LAGM	Oaxaca	
OAX	Oaxaca	
YOO	Oaxaca	
OXX	Oaxaca	
PSM	Palmasola	
PIO	Pinotepa	
PLO	Pochutla	
PBJ	Presa Benito Juarez	
PANG	Puerto Angel	
PEO	Puerto Escondido	
PEX	Puerto Escondido	
TEO	Teotitlan	
TXO	Tlaxiaco	
VDF	Valdeflores	
VMO	Villa Marinero	
VHM	Vista Hermosa	
VHO	Vista Hermosa	
Puebla		
ACP	Acatlan	
CHPM	Chiautla de Tapia	
IISM	Ciudad Serdan	
CUPM	Cuyoaco	
MOPM	Molcaxac	
PPM	Popocatepetl	
PHPU	Puebla	
CIPM	Puebla	
CXP	Puebla	
PUE	Puebla	
IIB	San Bernardino	
SRP	Santa Rosa	
TCPM	Tecamachalco	
IIT	Tonantzintla	
VGM	Villa Grajales	
Queretaro		
QUIG	Queretaro	
Sinaloa		
CUL	Culiacan	
MAIG	Mazatlaan	
MAZ	Mazatlan	
MZX	Mazatlan	
TPB	Topolobampo	
Sonora		
CBS	Caborca	
GYM	Guaymas	
LMX	La Mesa Andrade	
RHM	Rio Hardy	
SLX	San Luis Rˆ›o Colorado	
SPIG	San Pedro Martir	
EGX	Santa Clara	
Tabasco		
LJS	Tabasco	
Tamaulipas		
TMX	Tampico	
Tlaxcala		
IIO	Organos	
Veracruz		
BUE	Buenavista	
ABR	El Abra	
EVV	El Vigia	
JIL	Jilotepec	
LVIG	Laguna Verde	
LVVM	Laguna Verde	
LJX	Las Lajas	
PZX	Poza Rica	
POHV	Veracruz	
LIMM	Veracruz	
CAMM	Veracruz	
LVMM	Veracruz	
MANM	Veracruz	
VCM	Veracruz	
FARM	Veracruz	
Yucatan		
MER	Merida	
TEIG	Tepich	
Zacatecas		
ZAIG	Zacatecas	
Netherlands Antilles		
Caribbean Sea		
SABA	Saba	
SEUS	St. Eustatius	
SMRT	St. Maarten	
Prince Edward Island		
TIGG	Tignish, PEI	
Quebec		
BLBQ	Baie-St-Paul	
MNTQ	Montreal, Quebec	
SMCQ	St-Marc-des-Carrˆ›res	
VABQ	Val Des Bois	

St Pierre and Miquelon
SPR Saint Pierre

Texas
SAT1 San Antonio Texas

U.S.A.
Alabama
AX- Alexander City AX-AL
AX2 Alexander City AX2AL
AX-AL Alexander City
AX2AL Alexander City
BRAL Brewton
BO- Brewton BO-AL
BO-AL Brewton
HGA Collinsville
DLC Deerlick Creek
EMA Elm
EU-AL Eutaw
EU2AL Eutaw
EU- Eutaw EU-AL
EU2 Eutaw EU2AL
FLT Fleetwood
FPAL Fort Paine
HVA Hanceville
HLT Holt
BKA Kennedy
LRAL Lakeview Retreat
LCAL Lambert Chapel
LAL Leola
LDG Lodge
LCA Log Cabin
MSAL Mont Sano
OCA Owens Crossroads
PEA Pea Ridge
PTR Peterson
PWLA Pickwick Lake
PLAL Pickwick Lake
RHA Reichold
MLAL Sawyerville
SHA Spring Hill
TDA Talladega
TSAL Tannehill State Park
Alaska
AD8 Adagdak
ADK Adak
ADA Adak
AD- Adak Island AD-IS
AD-IS Adak Island
AGAM Agassiz Lake
AKUT Akutan
AKA Akutan
AKA1 Akutan 1 AKA
AKA2 Akutan 2
AKA4 Akutan 4
AKA5 Akutan 5
AKBBA Akutan Broad B.
AKGG Akutan Green Grass
AHB Akutan Harbor
AKLV Akutan Long Valley
AKMO Akutan Morgan
AKRB Akutan Reef Bight
HSB Akutan Spr's Bay
AKSA Akutan Strait
AKV Akutan Volcano
ZRO Akutan Zero
ALC Alcan
ACK Alder Creek
ALAR ALPA Array Beam Reference Point
AL31 ALPA Array Site 31 ALAR
AL32 ALPA Array Site 32
AL33 ALPA Array Site 33
AL5 ALPA Array Site 35
AL36 ALPA Array Site 36
AL37 ALPA Array Site 37
AMA Amatignak Island
AC-IS Amchitka
ASB Amchitka
AMC* Amchitka
ASC Amchitka
AMKA Amchitka
ASD Amchitka
AWA Amchitka
ANB Amchitka
AEB Amchitka ASB
ANA Amchitka
AND Amchitka
ACA Amchitka Central A
ACB Amchitka Central B
ACC Amchitka Central C
ACD Amchitka Central D
ACE Amchitka Central E
ACF Amchitka Central F
AME Amchitka East
ANI* Anchorage ANH
AMU Anchorage
ANH Anchorage
ANCK Angle Creek
ACHA Angle Creek Headwaters
ANON Aniakchak
AZAC Aniakchak
ANI Aniakchak
ANKA Aniakchak
ANIA Aniakchak Crater
AJAX Aniakchak Jack
ANNE Aniakchak Northeast
ANNW Aniakchak Northwest
ANPK Aniakchak Peak
ANPB Aniakchak Plenty Bear
ANV Anvil Mountain ANM
AA-IS Atka
ATKA Atka Island
ATTU Attu Island--Fox FX1
FX1 Attu Island--Fox
AUD Augustine Domo
AUF Augustine Flow
AUH Augustine H
AUE Augustine Island
AUI Augustine Island
AU2 Augustine Island
AGI Augustine Island
AUL Augustine Lava
AUM Augustine Mound
AUNW Augustine NWest
AUP Augustine Pinnacle
AUSE Augustine SEast
AGU Augustine-Summit
AUW Augustine West
ABF Auke Bay
BAGL Bagley Icefield
BALM Baldy
BALA Baldy Mountain
BCPM Bancas Point
BARK Barkley Ridge
BARN Barnard Glacier
BGL Barrier Glacier
BGRM Barrier Glacier Two
BRV Barrow
BRW Barrow
BI1 Barter Island
BI2 Barter Island
BI3 Barter Island
BI4 Barter Island
BPAW Bear Paw Mtn.
BCAR Beaver Creek Array Beam Reference Point
BC01 Beaver Creek Array Site 1
BC02 Beaver Creek Array Site 2
BCA3 Beaver Creek Array Site 3 BCAR
BC04 Beaver Creek Array Site 4
BC05 Beaver Creek Array Site 5
BLGA Beluga
BEH Bench
CKT Bend
BERG Berg Lake
BGLC Bering Glacier BLM Camp
BBO Besboro Island
BESE Bessie Mountain
BET Bethel
BQ-AK Bethel
BKJ Big Koniuji Island
BGM Big Mountain
BIG Big Mountain
BIO Biorka
BRH Birch Hill
BLHA Black Hill
BLR Black Rapids
BKG Blockade Glacier
BMT Blue Mountain
BLM Blue Mountain BMT
AK4 Bobrof
BRLK Bradley Lake
BRNE Bradley Lake NE
BRNW Bradley Lake NW
BRSE Bradley Lake SE
BRSW Bradley Lake SW
BMRM Bremner River
BDP Broad Pass
BWN Browne
BRPK Brown Peak
BMAR Burnt Mountain Array Beam Reference Point
BM01 Burnt Mountain Array Site 1
BM02 Burnt Mountain Array Site 2
BM3 Burnt Mountain Array Site 3
BM04 Burnt Mountain Array Site 4
BM05 Burnt Mountain Array Site 5 BMAR
CAHL Cahill
CDL Candle
CNA Cantwell
CDY Cape Darby
CDA Cape Douglas
CDD Cape Douglas
CPR Cape Romanzof
CSA Cape Sarichef
CYK Cape Yakataga
CYT Cape Yakataga
CGLM Capps Glacier
CAST Castle Rocks
CHX Chaix Hills
CKL Chakachamna Lake
CKN Chakachatna North
CKK Chekok
CNBA Chernabura Island
CHGN Chignik
CSG Childs Glacier
CNPM China Poot
CHIR Chirikof Island
CHIA Chirikof Island
CTGM Chitina Glacier
CHW Chowiet Island
CKR Christmas Creek
CUT Chulitna
CHB Church
CRQM Cirque
CCB Clear Creek Butte
CMA Clear Mews
CBA Cold Bay
CBY Cold Bay
COLD Coldfoot
COLA College
CMO College--Fairbanks
CFI College Fiord
COL College Outpost
CHSA Colony High School
CNTC Contact Creek
CDI Cordova
CVA Cordova
EYAK Cordova Ski Area
CRAG Craig
CRP Crater Peak
CPAM Crater Peak Alternate
CPKM Crater Peak Rim
CP2 Crater Peak Two
DMB Deadman Bay
DHAK Deception Hills
DRRA Deer Island
DRIA Deer Island
DJE Delta Junction E
DMW Delta Microwave
DHY Denali Highway
DMA Devil Mountain
DLL Dillingham
DSK Disk Island
DIV Divide
DLG Dolgoi Island
DOL Dolgoi Island
DDM Donnelly Dome
DOT Dot Lake
DFR Drift River
DHA Dutch Harbor
DUT Dutch Harbor
DT1 Dutton Round Hill
DTNA Dutton South Flank
EGAK Eagle
EAM Ear Mountain
NPO Eielson Array
ILAR Eielson Array Beam Reference Point
ILB Eielson Array Broadband ILAR
IL1 Eielson Array Site 1
IL10 Eielson Array Site 10
IL11 Eielson Array Site 11
IL12 Eielson Array Site 12
IL13 Eielson Array Site 13
IL14 Eielson Array Site 14
IL15 Eielson Array Site 15
IL16 Eielson Array Site 16
IL17 Eielson Array Site 17
IL18 Eielson Array Site 18
IL19 Eielson Array Site 19
IL02 Eielson Array Site 2
IL03 Eielson Array Site 3
IL04 Eielson Array Site 4
IL05 Eielson Array Site 5
IL06 Eielson Array Site 6
IL07 Eielson Array Site 7
IL08 Eielson Array Site 8
IL09 Eielson Array Site 9
EAFB Elmendorf Base
ELV Elvey
ENG Engineer Hill
ERN Ernestine
FB2AK Fairbanks
FBA Fairbanks
FB-AK Fairbanks
FBAS Fairbanks
FBK Fairbanks
FBAL Fairbanks--Long Period
FALS False Pass
FSP False Pass
WFAR Faris Peak
FLP Featherly Pass
FIB Fire Island
FIS Fire Island
KOFP Flat Point
FY2 Fort Yukon
FY4 Fort Yukon
FYU Fort Yukon
FY3 Fort Yukon
FY1 Fort Yukon
FY5 Fort Yukon
FOSS Fourpeaked Station 1
FONW Fourpeaked Station 2
FOPK Fourpeaked Volcano
GCSA Galena City School
GAMB Gambell
GAEA Gareloi East
GAKI Gareloi-Kavalga I.
GALAA Gareloi Lava Pt.
GANO Gareloi North
GANE Gareloi Northeast
GASW Gareloi Southwest
GIA Geophysical Institute, University of Alaska
GLB Gilahina Butte
GIL Gilmore Creek
GLN Gilmore Dome
GLM Gilmore Dome GLN
GLC Glacier Island
GLI Glacier Island
GHO Glory Hole Creek
GOAT Goat Mountain
GKC Gold King Creek
GSVT Goldstream Valley
GSV Goldstream Valley
GOU Gould Hall
GBY Granite Bay
GRNC Granite Creek
GMA Granite Mountain
GRLA Grayling
AD1 Great Sitkin
GSCK Great Sitkin Cape Kiugilak
GSMY Great Sitkin Middle Yoke
GSSP Great Sitkin Saddle Point
GSTR Great Sitkin Teapot Rock
GSTD Great Sitkin Triple Divide
GRIN Grindle Hills
GUL Gulkana
GYO Guyot Hills
HARP HAARP
HAG Hague Volcano
HMT Hamilton
HDA Harding Lake
HQN Harlequin Lake
HPP Hepp
AD4 Hidden Bay
HIN Hinchinbrook Island
HOM Homer
HUR Hurricane
GSIG Igitkin Island
ILIM Iliamna
ILM Iliamna
ILS Iliamna Low South
INE Iliamna NE
INW Iliamna NW
IVS Iliamna South
IVE Iliamna Volcano East
ILW Iliamna West
RIDG Independ'e Ridge
IMA Indian Mountain
IMA2 Indian Mountain
IMAR Indian Mountain Array Beam Reference Point
IM01 Indian Mountain Array Site 1
IM02 Indian Mountain Array Site 2
IM3 Indian Mountain Array Site 3
IM04 Indian Mountain Array Site 4
IM05 Indian Mountain Array Site 5
ISTK Isanotski
ISNN Isanotski North
IVF Ivanof Bay
JPK Jack Peak
JIS Juneau Island
ISLE Juniper Island
AD3 Kagalaska
ETKA Kagalaska Island
KICM Kanaga Island Cape Miga
KIKV Kanaga Island Kanaga Volcano
KIMD Kanaga Island MID
Benchmark
KINC Kanaga Island North Cape
KIRH Kanaga Island Round Head
KIWB Kanaga Island Westway Bight
KTH Kantishna Hills
KTM Katmai
KAWH Katmai
KABR Katmai Barrier Ridge
KBM Katmai Bkd Mtn
KABU Katmai Buttress
KAHC Katmai Hardscrabble Creek
KAHG Katmai Hook Glacier
KAIC Katmai Ikagluik Creek
KAKN Katmai Knife Crk
KCE Katmai Mt Cerb's
KAPH Katmai Pasha
KARR Katmai Rainbow River
KVTA Katmai Vly 10 NE
KAIM Kayak Island
KYK Kayak Island
KJL Kejulik
KEN Kenai
KCN Ketchikan
KHIT Khitrov Hills
KIAG Kiagna River
KMP Kimball Pass
KLU Klutina
KCG Knife Ck. Glacier
KNIM Knight Island
KNK Knik Glacier
KD1 Kodiak
KD2 Kodiak
KD3 Kodiak
KDAK Kodiak Island
KDC Kodiak Island
KGR Kogok River
KONE Korovin Northeast
KONW Korovin Northwest
KOSE Korovin Southeast
KOKV Korovin Volcano
KOWE Korovin West
KTA Kotzebue
KULT Kultieth River Mountain
CHUM Lake Minchumina
LTI Latouche
LVA Lava Point
LVY Levy
LSI Little Sitkin Island
LSNW Little Sitkin NW
LSPA Little Sitkin PP
LSSA Little Sitkin S'e
LSSE Little Sitkin SE
LOGN Logan Glacier
LOU Louis Bay
MRS Maars
OKFG Magazine Ridge
MGLS Mageik Landslide
MCIR Makushin Cirque
MGOD Makushin Gods Own Repeater Site
MSOM Makushin Julie Andrews
MNAT Makushin Nateekin
MREP Makushin Rep'tr
MSW Makushin Switchbacks
MTBL Makushin Table Top
MLP Malaspina Glacier MLA
MLA Malaspina Glacier
MLY Manley
MCARA McCarthy VSAT
MCK McKinley
MCL McNeil River
MCNL McNeil River
MENT Mentasta
MCR Mercer
MESA MESA
MMC Middle Cape
MID Middleton Island
MIK Minitrack
MFA Mitchell Field
MTG Montague Island
MTU Montague Island
MSE Moose Creek
MCB Moose Creek Bluff
MPA Moose Pass
ADAG Mount Adagdak
KELA Mount Kelaz
KOKL Mount Kliuchef
SPU Mount Spurr
MDM Murphy Dome
NAGA Nagai Island
NGI Nagai Island
NCA Nelchina
NEA Nenana
NICHA Nichawak Mountain
NKA Nikishka
NHSA Nikolaevsk School
NKI Nikolski
NIK Nikolski
NIKO Nikolski
NIKH Nikolski High Hill
NNL Ninilchik
NIN Ninilchik One
NOM Nome
ANM Nome
NCG North Capps Glacier
NCT North Crescent
NGL North Gasline
AD7 North Kanaga
NRA North River
AT3 North Tanaga AK3
AK0 North Tanaga
AK3 North Tanaga
AK5 North Tanaga
NTK Nunatak
OPT Oil Point
OKAK Okmok
OKCD Okmok Cone D
OKCE Okmok Cone E
OKCF Okmok Cone F
OKER Okmok East Rim
OKID Okmok Mt. Idak
OKTU Okmok Mt. Tulik
OKRE Okmok R'deer Pt
OKSO Okmok South
OKSP Okmok Steeple Pt
OKWR Okmok West Rim
OKWE Okmok W'ng Wall

Code	*Station Name*	*Other*
PMR	Palmer	
PME	Palmer East	
PHSA	Palmer High School	
PMS	Palmer South	
PLRM	Palmer USGS	PMR
PWA	Palmer West	
PTPK	Patty Peak	
PN6	Pavlof North-6	
PN7A	Pavlof North-7A	
PS1A	Pavlof South-1A	
PS4	Pavlof South-4	
PS4A	Pavlof South-4A	
PVV	Pavlof Volcano	
PAX	Paxson	
PDB	Pedro Bay	
PJD	Pedro Dome	
PNL	Peninsula	
PRYA	Perryville	
PBG1	Petersburg	
PBG	Petersburg	
PSA	Petersburg	
PPSA	Petersburg Public Schools	
PLK1	Peulik 1	
PLK2	Peulik 2	
PLK3	Peulik 3	
PLK4	Peulik 4	
PLK5	Peulik 5	
PLBL	Peulik Blue Creek	
PLWL	Peulik Whale Mountain	
PINM	Pinnacle	PCA
PCA	Pinnacle	
PNN	Pinnacle Mountain	
WPOG	Pogromni	
PTB	Point Barrow	
PRP	Porcupine Dome	
PTE	Portage	
FID	Port Fidalgo	
PHA	Port Heiden	
PMA	Port Moller	
PWL	Port Wells	
KPE	Price	
PUB	Puale Bay	
PPLA	Purkeypile	
RC01	Rabbit Creek Array Site 1	
RAGM	Ragged Mountain	
RGD	Ragged Mountain	
RAI	Raspberry Island	
RAT	Rat Island	
RDT	Redoubt	
RDDR	Redoubt East 2	
REF	Redoubt East Flank	
RDJH	Redoubt Jeurgen	
RDN	Redoubt North	
RSO	Redoubt South	
RS1	Redoubt South 1	
RS2	Redoubt South 2	
RED	Redoubt Volcano	
RDE	Redoubt Vol. East	
RDW	Redoubt West	
RDWB	Redoubt West	
RND	Reindeer	
REM	Remote	
RON	Remote	
RIU	Riou	
RKAV	Rock Avalanche	
SDEM	Sadie Cove	
SP-IS	Saint Paul	
SPP	Saint Paul	
SPIA	Saint Paul Island	
SPI	Saint Paul Islands	
SAMH	Samovar Hills	
SNKA	Sanak Island	
SBY	Sand Bay	
SCRK	Sand Creek	
SGB	San Diego Bay	
SDPT	Sand Point	
SASA	Sand Point	
SDN	Sand Point	
SPBA	Sand Point BB	
SML	Sawmill	
SCT	Scotty Lake	
SLV	Seldovia	
XLV	Seldovia	
CEAP	Semis' Anvil Peak	
CERB	Semis' Cerberus	
SSI	Semisopochnoi Island	
CEPE	Semis' Perret Rge	
CERAA	Semis' Rag'd Top	
CESW	Semis' Southwest	
CETU	Semis' Tuman	
SEW	Seward	
SCF	Sheep Creek Facility	
SCM	Sheep Creek Mountain	
SQ-IS	Shemya	
SMY	Shemya	
SHY	Shemya	
SGAM	Sherman Glacier	
SSBA	Shishaldin	
SSLN	Shishaldin North	
SSLS	Shishaldin South	
SSLW	Shishaldin West	
SYI	Shuyak Island	
SHU	Shuyak Island	
RDS	Siegrist	
SIT	Sitka	
SKD	Sitkalidak Island	
SII	Sitkinak Island	
SKAG	Skagway	
SKGA	Skagway School	
SKL	Skilak	
SLKM	Skilak Lake	
SKT	Skwentna	
SDG	Sourdough	
AD6	South Kanaga	
AT2	South Tanaga	AK2
AK2	South Tanaga	
SVW2	Sparrevohn	
SVW	Sparrevohn	
SPL	Spiridon Lake	
SPBG	Spurr Blockage Glacier	
SPCG	Spurr Capps Glacier	
SPCR	Spurr Chakachatna River	
SPNW	Spurr Northwest	
SPWE	Spurr West	
SQF	Squaw Harbor	
SGA	Stephens Glacier	
STY	Stony River	
STLK	Strandline Lake	
SUK	Suckling Hill	
SUCK	Suckling Hills	
SSH	Sunshine	
SNH	Sunshine Point	
SBEA	Susan B. English School	
SST	Susitna	
SUA	Susitna One	
TABL	Table Mountain	
TLK	Talkeetna Mountains	
TACS	Tanaga Cape Sajaka	
TAFP	Tanaga Falls Point	
TAFL	Tanaga Flats	
TANO	Tanaga North	
TAPA	Tanaga Point Aries	
TASE	Tanaga Southeast	
TGL	Tana Glacier	
TNN	Tanana	
PS10	TAPS Pump St10	
PS11	TAPS Pump St11	
PS12	TAPS Pump St12	
PS01	TAPS Pump Stn	
PS04	TAPS Pump Stn4	
PS05	TAPS Pump Stn5	
PS06	TAPS Pump Stn6	
PS07	TAPS Pump Stn7	
PS08	TAPS Pump Stn8	
PS09	TAPS Pump Stn9	
VMT	TAPS Tl Valdez	
TTL	Tatalina	
TT01	Tatalina	
TTA	Tatalina	
TZL	Tazlina	
TTV	Teren Tiev Lake	
TRF	Thorofare Mountain	
TCY	Tin City	
TNA	Tin City	
TMW	Tok Microwave	
TOA	Tolsona	
TKK	Topkok	
TRAP	Trapper Creek	
THY	Trims Highway	
TSIM	Tsina	
WTUG	Tugumak	
UGI	Ugak Island	
USL	Ugashik Lake	
UKL	Ugashik Lake	
AD2	Umak	
UNL	Unalakleet	
UNA	Unalaska	
UNV	Unalaska Valley	
VLD	Valdez	
VLZ	Valdez	
VZS	Valdez South	
VZW	Valdez West	
BPBCA	Veniaminof	
VNHG	Veniaminof 1	
VNFG	Veniaminof 2	
VNNF	Veniaminof 3	
VNKR	Veniaminof 5	
VNSG	Veniaminof 6	
VNSW	Veniaminof 7	
VNSS	Veniaminof 8	
VNWF	Veniaminof 8	
VRDI	Verde Repeater	
VOGL	Vogel Lake	
WAX	Waxell Ridge	
WESE	West Dahl East	
WESN	West Dahl North	
WESS	West Dahl South	
AT1	West Kanaga	AK1
AK1	West Kanaga	
WRG	White River Glacier	
WLM	Willow Mountain	
WRH	Wood River Hill	
WACK	Wrangell Chichokna Glacier	
WRAK	Wrangell Island	
WAZA	Wrangell Mount Zanetti	
WANC	Wrangell North Crater	
WASW	Wrangell Southwest	
YAH	Yahtse	
AD5	Yakak	
YKGM	Yakataga	
YKU2	Yakutat	
YKT	Yakutat	
YKU	Yakutat	
YCB	Yellow Creek Bluff	
IL01		IL1
BC03		BCA3
BM03		BM3
BC3*		BCA3
IM03		IM3
AL35		AL5
IL31		ILB
AL34		FBAL
Arizona		
AJAR	Ajai Ranch	
GVA	Apache Junction	
ASU	Arizona State University	
119A	Ashpeak Ranch, Duncan	
318A	Bisbee	
114A	Black Gap (USAF), Gila Bend	
BPK	Black Peak	
BRDG	Blue Ridge	
V14A	Boquillas Ranch, Navajo N., Peach Springs	
BDA	Boulder Dam	
Y18A	Canyon Day Junior High, Whiteriver	
Y15A	Casa Rosa Ranch, Morristown	
CCAZ	Cataract Creek	
Y16A	Circle Bar Ranch, Sunflower	
U19A	Dine' College, Tsaile	
319A	Douglas	
218A	Dragoon	
EKU	East Kanab	
116A	Eloy	
FS-	Flagstaff	FS-AZ
W16A	Flagstaff	
FLG	Flagstaff	
FS-AZ	Flagstaff	
FLAG	Flagstaff	
X17A	Forest Lakes	
FTM	Fortuna Mine	
V18A	Ganado	
Z18A	Geronimo	
Z15A	Gila River Indian Community, Laveen	
GCA	Glen Canyon	
T16A	Glen Canyon Dam (NPS), Page	
GE-	Globe	GE-AZ
GE-AZ	Globe	
GCAZ	Grand Canyon	
V13A	Grand Canyon West Ranch, Meadview	
217A	Green Valley	
HR-	Heber	HR-AZ
HR-AZ	Heber	
118A	Homack Ranch, Wilcox	
W13A	Hualapai Mountain Park, Kingman	
X15A	Humboldt	
HTCH	Hutch Mountain	
JR-AZ	Jerome	
JR-	Jerome	JR-AZ
V15A	Kaibab National Forest USFS, William	
KG-	Kingman	KG-AZ
KG-AS	Kingman	
KG-AZ	Kingman	
KH-	Kohls Ranch	KH-AZ
KH-AZ	Kohls Ranch	
LGA	Laguna Mountains	
X16A	Lo Mia Camp, Pine	
LG-	Long Valley	LG-AZ
LG-AZ	Long Valley	
113A	Mohawk Valley, Roll	
MONP	Monument Peak	
MTLAZ	Mount Logan	
U14A	Mt Trumbull	
MMA	Mummy Mountain	
T17A	Navajo Res., Navajo Mountain	
NL-	Nazlini	NL-AZ
NL2AZ	Nazlini	
NL2	Nazlini	
NL-AZ	Nazlini	
U15A	North Rim	
Y19A	Nutrioso	
117A	Oracle	
214A	Organ Pipe National Monument, Ajo	
PGAZ	Page	
U13A	Pakoon Wash	
S15A	Panguitch	
PDMCI	Parker Dam,Lake Havasu City	
PY-AZ	Payson	
PY-	Payson	PY-AZ
Z16A	Peralta Trail, Apache Junction	
W18A	Petrified Forest	
PFA	Pierce Ferry	
QC-	Queen Creek	
Y17A	Roosevelt	
U18A	Rough Rock, Chinle	
SGI03	Saint George Infrasonic Array Site 3	
Y13A	Salome	
Z17A	San Carlos High School, San Carlos	
W19A	Sanders	
SLU	San Luis	
W14A	Seligman	
SG-	Seligman	SG-AZ
SG-AZ	Seligman	
U17A	Shonto	
SF-	Snowflake	SF-AZ
X18A	Snowflake	
SF-AZ	Snowflake	
115A	Sonoran Desert, Stanfield	
SV-	Springerville	SV-AZ
SV-AZ	Springerville	
X19A	St. Johns	
SN-AZ	Sunflower	
SN-	Sunflower	SN-AZ
SCN	Sunset Crater	
216A	Three Points, Tucson	
Z19A	T-Link Ranch, Clifton	
V17A	Tonalea, Kykotsmovi	
TFO	Tonto Forest Array	
THO	Tonto Hills Observatory	
TSL	Tsaile	
U16A	Tuba City	
TUC	Tucson	
TDM	Tucson Desert	
TUO	Tucson Observatory	
TUT	Tucson--Telemeter	
UOA	University of Arizona	
219A	White Tail Canyon, San Simon	
Y14A	Wickenburg	
W15A	Williams	
WM-AZ	Williams	
WM-	Williams	WM-AZ
WMZ	Williams	
V19A	Window Rock	
WO-AZ	Winslow	
W17A	Winslow	
WO-	Winslow	WO-AZ
Z14A	Wintersburg	
WUAZ	Wupatki	
X14A	Yava	
X13A	Yucca	
112A	Yuma	
YMD	Yuma Desert	
Z13A	Yuma Proving Gounds (US Army), Dateland	
Arkansas		
AFAR	Ash Flat	
BK-	Bald Knob	BK-AR
BK-AR	Bald Knob	
CCAR	Cane Creek	
CW-AR	Conway	
CW-	Conway	CW-AR
CRID	Crittenden County--Downhole	
CRIS	Crittenden County--Surface	
DLAR	Dell	
FAY	Fayetteville	
FAV	Fayetteville	
X102	Greenbrier Site X102	
X201	Greenbrier Site X201	
X301	Greenbrier Site X301	
HBAR	Harrisburg	
HCI	Hatchie Coon Island	
HHAR	Hobbs	
HOGG	Hoggard's Bluff	
IK-	Ink	IK-AR
IK-AR	Ink	
JHP	Judd Hill Plantation	
LGAR	La Grange	
LCAR	Lake Charles	
LVAR	Leachville	
LRA	Little Rock	
LRDO	Lorado	
MSAR	Manila South	
MK-	Marked Tree	MK-AR
MK-AR	Marked Tree	
MY-	McCrory	MY-AR
MY-AR	McCrory	
MCAR	Mid-South CC	
MP-	Mountain Pine	MP-AR
MP-AR	Mountain Pine	
MIAR	Mount Ida	
MZ-	Mount Ida	MZ-AR
MZ-AR	Mount Ida	
OLY	Olyphant	
FCAR	Ozark Folk Center	
PGA	Paragould	
PV-AR	Perryville	
PV-	Perryville	PV-AR
POW	Powhatan	
QUAR	Qualls	
SEAR	Searcy	
STAR	Star City	
TWAR	Twist	
UALR	University of Arkansas, Little Rock	
WGAR	Walnut Grove	
WR-	Walnut Ridge	WR-AR
WR-AR	Walnut Ridge	
WLAR	White Oak Lake	
WLA	Wittsburg Lake	
WHAR	Wooly Hollow	
WY-	Wynne	WY-AR
WY-AR	Wynne	
California		
TN-	29 Palms	TN-CL
O03C	Acorn Hollow, Los Molinos	
PADM	Adeladia	
ADL	Adelanto	
ADO	Adelanto Receiving Station	
GACM	Adobe Creek	
AVC	Adobe Valley	
AGAC	Agave Hill	
AGOC	Agoura	
AARM	Airport Road	
PAPM	Alder Peak	
GAS	Alder Springs	
GASB	Alder Springs Broadband	
ARDC	Alexander Ranch	
GAXM	Alexander Valley	
AMC	Almaden	
JALM	Almaden	AMC
WASM	Alta Sierra Campground	
ALV	Alvord Mountain	
AMR	Amargosa	
AMS	Amos	
AIC	Anacapa Island	
BAPM	Anderson Peak	
CADM	Anderson Res.	ADR
ADR	Anderson Reservoir	
CAIM	Angel Island	AGC
LT13	Angel Island	AGC
AGC	Angel Island	
ALPC	Antelope	
PAGM	Antelope Grade	
LAMM	Antelope Mountain	
BAVM	Antelope Valley	
PARM	Anticline Ridge	
CACM	Antioch	
AN9*	Anzar Reservoir 9	
HAZM	Anzar Road	ANZ
ANZ	Anzar Road	
GARM	Arbuckle	
ARC	Arcata	
LASM	Arnica Sink	
ARN	Arnold Ranch	
CAOM	Arnold Ranch	ARN
AASM	Arroyo Seco	
ARVC	Arvin	
ADC	Auburn Dam	
BACC	Bachelor Mtn.	
BKRC	Baker	
BF-	Bakersfield	BF-CL
BF-CL	Bakersfield	
BALC	Balcom Canyon	
CBLG	Bald Mountain Lookout	
GBMM	Baldy Mountain	
BREC	Barre Substation	
BAR	Barrett	
KBRM	Barry Ridge	
PBRM	Bassetti Ranch	
LBMM	Bass Mountain	
BATC	Bat Cave Butte	
BBEB	Bay Bridge East	
E17B	Bay Bridge East Pier 17	
E07B	Bay Bridge East Pier 7	
W02B	Bay Bridge West Pier 2	
W05B	Bay Bridge West Pier 5	
KBBM	Bear Butte	
BCCC	Bear Creek Country Club, Murrieta	
JBCM	Bear Creek Road	LT15
LT15	Bear Creek Road	
JBGM	Bear Gulch	BGH
BGH	Bear Gulch	
BMTC	Bear Mountain	
BVLM	Bear Valley	BVL
BVL	Bear Valley	
BVC	Bear Valley Observatory	NOLM
BBSC	Beaumont Base	
BEKR	Beckworth	
BBR	Beebe Ranch	
NBRM	Beebe Ranch	BBR
LBPM	Beegum Peak	
BELC	Belle Mtn. Joshua Tree, Twentynine Palms	
KBSM	Bell Springs	
BNLO	Ben Lomond (Santa Cruz Mountains)	
BENR	Benton	
BKS	Berkeley--Byerly	
BRK	Berkeley--Haviland	
NBPM	Berryessa Peak	

Code	Station Name	Other
BRTC	Bertell Ranch	
BVH	Beverly Hills	
N02C	Big Bar	
BBC	Big Bear	
BBRC	Big Bear Solar Observatory, Big Bear Lake	
BC3	Big Chuckawalla Mtns, Desert Center	
BC2	Big Chuckwalla Mountains 2	
GBDM	Big Darby	
LBGM	Big Gulch	
R04C	Big Horse Ranch, Ione	
BMM	Big Maria Mountains	
BBGM	Big Mountain	
BCKR	Birch Creek	
WBSM	Bird Springs	
BP-CL	Bishop	
BHPR	Bishop	
BP-	Bishop	BP-CL
BCW	Bitter Crk WRge	
BTW	Bitterwater Creek	
PBWM	Bitterwater Creek	BTW
BLCC	Black Canyon	
BCHM	Black Canyon North	
BDM	Black Diamond Mines Park, Antioch	
LBFM	Black Fox Mountain	
JBMM	Black Mountain	
BLKC	Black Mountain	
BLDC	Black Mountain	
BMRR	Black Mountain	
GBOM	Black Oak	
BLAC	Blackrock camp	
MBFM	Blanchard Fire Station	
OBHM	Bloomer Hill	
KBNM	Bluenose Ridge	
BLU	Blue Ridge	
Y12C	Blythe	
BLYC	Blythe	
ABJM	Bob Jauregui Ranch	
BODR	Bodie	
GBGM	Boggs Mountain	
BGC	Bolinger Road	
CBRM	Bolinger Road	BGC
LT16	Bolinger Road	BGC
LBKM	Bonanza King	
BON	Bonds Corner	
BRGC	Borrego Mountain	
BORC	Borrego Springs	
V05C	Boulder Hill, Kettleman City	
BCH	Branch Mountain	
WBMM	Breckenridge Mountain	
BRIB	Briones	
SBRN	Brisbane	
BSCP	Brocks Farm	
CBWM	Brookwood Res.	BKC
BKC	Brookwood Reservoir	
ABRM	Brophy Road	
BTCC	Brunts Corner	
PBYM	Bryson	
CBZL	Buffer Zone	
BTPC	Burnt Peak	
BTL	Butler Peak	
LBCM	Butte Creek Rim	
JBZM	Buzzard Lagoon Road	
BZNA	Buzz No.'s Place	
CBSM	Byron Hot Springs	
CTCC	Cactus City	
WCFM	Cactus Flat W	CFWM
CFWM	Cactus Flat West	
WCPM	Cactus Peak W	CPTM
CPTM	Cactus Peak West	
CAD	Cady Mountains	
JCHM	Cahill Ridge	
KCPM	Cahto Peak	
CAHC	Cahuilla Valley	
CALB	Calabasas	
CALM	Calaveras Res.	CVR
CVR	Calaveras Reservoir	
CLTC	Calectric	
CB2	Calero Reservoir	
CCAC	Calif City Airpt	
CALC	California City	
CSH	California State, Hayward	
CLIC	Calipatria	
CLS	Calistoga	
M02C	Callahan	
CPPC	Cal Poly Pomona	
BAKC	Calstate	
CSHM	Cal. St., Hayward	CSH
CBCC	Caltech Broad	
CACC	Caltech Cellar	
GSA	Caltech--GSA	
CRPC	Caltech Rob'n Pit	
CAMC	Camarillo Hills	
JBLM	Camp Ben Lomond	
CPE	Camp Elliot	
109C	Camp Elliot, Miramar	
CP-CL	Campo	
CP-	Campo	CP-CL
CPT	Camp Pendleton	
KSXM	Camp Six	
KSXB	Camp Six Broadband	
HCAM	Canada Road	CDC
CDC	Canada Road	
AN7*	Canada Road	CDC
CBKC	Canebrake	
NCFM	Canfield Road	
KCTM	Capetown	
CAPCA	Capra Ranch	
CVS	Carmenet Vineyard	
CRQB	Carquinez Bridge	
CARC	Carrizo Plain	
CRR	Carrizo Plain	
MCHM	Carson Hill	CRH
CRH	Carson Hill	
CRY	Cary Ranch	
DBOG	Casa Diablo	
MCSM	Casa Diablo Hot Springs	
CASR	Casa Diablo Mountain	
CJV	Casa Juvan	
BCD	Casitas Dam	
BCL	Casitas Lake	
LCAM	Castella	
CTM	Castle Mountain	
PCAM	Castle Mt.	CTM
CRC	Castle Rock	
GCRM	Castle Rock Springs	
CTD	Catalina Dam	
CIAC	Catalina I. Airport	
CIS	Catalina Island	
CIU	Catalina Island	
NCDM	Cavedale Road	CRD
CRD	Cavedale Road	
CAVC	Cave Mountain	
CED	Cedar Springs	
CSP	Cedar Springs	
CFSC	Central Fire St	
MCEM	Central Site	
PCGM	Cerro Alto Campground	
CGO	Cerro Gordo	
KCRM	Chalk Rock	
CBC	Chamberlain	
HCBM	Chamberlain	CBC
GCBM	Chamberlain Ridge	
CSR	Chase Ranch	
AN6*	Chase Ranch	CSR
HCRM	Chase Ranch	CSR
CMH	Chemehuevi Mountains	
JCBM	Chesbro Res.	CBO
CB1	Chesbro Res. 1	ADR
CB3	Chesbro Res. 3	COE
CB4	Chesbro Res. 4	ARN
CB5	Chesbro Res. 5	SVC
CB6	Chesbro Res. 6	CVR
CB8	Chesbro Res. 8	
CBO	Chesbro Reservoir	
O04C	Chester	
BCWM	Chews Ridge	
CCO	Chico	
CFL	Chilao Flats	
CHFC	Chilao Flat Sta	
WCHM	Chimney Peak	
WCGM	China Gardens	CGSM
CGSM	China Gardens South	
GPO	China Lake	
CLC	China Lake	
WCXM	China Lake Receiver Site	
CHNC	Chino	
CH2	Chocolate Mountain	
COT	Chocolate Mountains	
CCRB	Cholame Creek	
CVC	Cholame Valley	
CCCA	Chr Cany lake	
XMS	Christmas Canyon	
CHP	Chuchupate	
CCX	Cicese	
AN14*	Cienega Rd	BCGM
BCGM	Cienega Road	
GCK	Clark Valley	
GCVM	Cloverdale	
COA	Coachella	
GCMM	Cobb Mountain	
CCOM	Coe Ranch	COE
COE	Coe Ranch	
OCHM	Cohasset Ridge	
LCMM	Colby Mountain	
GCSM	Cold Spring Mountain	
KCSM	Cold Springs	
CWCR	Coldwater Canyon	
R06C	Coleville	
LCSM	College of the Siskiyous	
BCC	Colson Canyon	
SCCM	Colson Canyon	
CMB	Columbia College	
COOC	Compton	
CNC	Concord--Diablo Valley College	
CKC	Cook Canyon	
WCOM	Cook Peak	
COK	Cook Ranch	
CPM	Copper Mountain	
MCUM	Copperopolis	
HCZM	Cordoza Dairy	
HCOM	Corn Cob Canyon	
CRNC	Corona	
COQ	Corona Quarry	
CSTL	Corral Hollow	
CBHM	Coso Basin North	
WCSM	Coso Springs S	CSSM
CSSM	Coso Springs South	
CWC	Cottonwood Creek	
CTW	Cottonwood Mountains	
GCWM	Cow Mountain	
CO2	Coxcomb Mountains 2	
CYD1	Coyote D'meter	
CCYM	Coyote Hills	
CYH	Coyote Hills	
LT8	Coyote Hills	CYH
COY	Coyote Mountain	
JCPM	Coyote Point	
CFT	Crafton Hills	
M01C	Crescent City	
LCFM	Crescent Cliff	
CSL	Crestline	
HCPM	Crevison Peak	
CRGC	Crocker Grade	
CCNM	Crow Canyon Rd	CYC
CYC	Crow Canyon Road	
CLKR	Crowley Lake	
PCRM	Curry Mountain	
DLT	Dalton	
CDAL	Dalton Road	
DANC	Danby, Needles	
DAC	Darwin (Calif)	
DPD	Davis Peak	
DV-CL	Death Valley	
DV-	Death Valley	DV-CL
DSP	Deep Springs	
DLAC	Del Amo	
CDVM	Del Valle	
CL1	Del Valle	CDVM
DHS	Desert Hot Springs	
DREC	Desert Rsrch Ctr	
DSCC	Desert Studies Ctr	
DTP	Desert Tortoise Park	
DVTC	Desert V Tower	
DEVC	Devers	
DVL	Devil Canyon	
DKNM	Devils Kitchen North	
DCD	Diablo Creek	
DIR	Diamond Ranch	
LDBM	Digger Butte	
DIL	Dillon Ranch	
HDLM	Dillon Ranch	DIL
AN5*	Dillon Ranch	DIL
PDRM	Domengine Ranch	
DGR	Domenigoni Valley Reservoir	
DJJ	Donna J Jenkins	
DONR	Donner Summit	
CDSM	Don Santos Ranch	
CDOM	Doolan Road	DOO
DOO	Doolan Road	
DPP	Dos Picos Cty Pk	
P01C	Double 8 Ranch, Willits	
DB2	Double Butte	
DBM	Double Mountain	
DHB	Downhole Baldwin Hills	
GDCM	Dry Creek	
ADWM	Drytown Water District	
DUC	Duarte Ranch	
DTEM	Dunmovintown East	
NDHM	Dunnigan Hills	
DNR	Dunn Ranch,Anza	
CDUM	Durate Ranch	DUC
EADB	Eade Ranch	
T05C	Eagle Field, Dos Palos	
ELFS	Eagle Lake Field Station, Susanville	
EAG	Eagle Mountain	
MEMM	East Mammoth Hills	
EMSC	East Mesa	
EWC	East Wide Canyon	
EBP	Ebbets Pass	
ECF	Echo Falls	
RRX	Edison Barstow Service Cntr	
EDW2	Edwards Air Force Base,Rosamund	
EDW	Edwards Air Force Base,Rosamund	
O01C	Eel River Conservation Camp, Redway	
ECA	El Cajon	
ECC	El Centro	
JEGM	El Granada	
EKH	Elkhorn Ranch	
BEHM	Elkhorn Ranch	EKH
HERM	Elkhorn Road	
EKR	Elk River	
JELM	Ellicott	
ELMC	El Mirage	
EL2	El Mirage 2	
EML	El Monte Cty Pk	
ELRC	Elmore Ranch	
ERRC	Elmore Ranch	
ESGS	El Segundo	
ELS	Elsinore Mountain	
TEJ	El Tejon	
EMB	Emerald Bay	
BEMM	Emmet	EMT
EMT	Emmet	
LT11	Empire Grade Rd	EGR
EGR	Empire Grade Road	
ERPC	Ernies Place	
LT12	Eureka Canyon	EUC
EUC	Eureka Canyon	
JECM	Eureka Canyon	EUC
EW2	E Wide Canyon 2	
EXSG	Experiment Station	
FAL	Falling Springs	
FARB	Farallon Islands	
NFIM	Farallon Islands	
FRGC	Fargo Canyon	
KFPM	Farley Peak	
FEA	Feather Falls	
FER	Ferndale	
FHC	Fickle Hill	
AFRM	Fiddyment Ranch	
FIGC	Figueroa Mtn.	
FIL	Fillmore	
FLSC	Flash Two Peak	
HFHM	Flint Hills	
FON	Fontana	
FRD	Ford Ranch	
AFDM	Forest Hills Divide	
AFHM	Forest Hill Site	
AN2*	Forsythe	
FMA	Fort MacArthur	
FMP	Fort Macarthur Park	
FTR	Fort Ross	
FTC	Fort Tejon	
FOXC	Fox Airport	
FOX	Fox Creek	
HFPM	Fremont Peak	FRP
FRP	Fremont Peak	
FRE	Fresno	
FRI	Friant	
FRK	Frink	
FROB	Froelich Ranch	
FULC	Fullerton	
FLAS	Fullerton Airport	
FMT	Funeral Mountains	
GFC	Funks Creek	
FURC	Furnace Creek,Death Valley	
GALC	Galileo	
LGMM	Garner Mountain	
GVDA	Garner Valley	
GVRC	Garvey Reservoir	
CGPM	Gavin Park	
GGPM	Geyser Peak	
GDXM	Geysers	
GHS	Gilroy Hot Springs	
HGSM	Gilroy Springs	GHS
HGWM	Gilroy West	
GLA	Glamis	
GAV	Glen Avon	
GGLM	Glenview	
GATR	Gnd/Air Tx Cntr	
GTM	Goat Mountain	
GHIB	Gold Hill	
PGHM	Gold Hill	GHC
PK1	Gold Hill	GHC
GHC	Gold Hill	
AGIM	Gold Rush Inn	
GSC	Goldstone	
PGWM	Grace West	
GCC	Granite Creek	
GMRC	Granite Mountains Res. Center	
GRP	Granite Pass	
LGPM	Granite Peak	
GVN	Grapevine	
GRAC	Grapevine Ranger Station, Death Valley	
LGBM	Gray Butte	
GORC	Green Oak Ranch	
GVR	Green Valley Road	
DECC	Green Verdugo site,Sunland	
GWV	Greenwater Valley	
GWY	Greenwater Valley	
LGRM	Grenada	
GR2C	Griffith Obs. 2	
GOC	Griffith Observatory	
GFP	Griffith Park	
LGHM	Grouse Hill	
KGMM	Grouse Mountain	
GGUM	Gualala	
AHDM	Hacienda Drive	
HAI	Haiwee	
HWSM	Haiwee Spring South	
WHSM	Haiwe Spring S	HWSM
GHOM	Hamilton Opening	
HMR	Hamilton Ranch	
WHFM	Hanning Flat	
HWB	Hans Werner Braun Residence, San Diego	
PHAM	Harlan Ranch	
AHRM	Harold F. Ross	
HRC	Harris Ranch	
HAST	Hastings Reserve	
BHSM	Hastings State Park	
LHCM	Hat Creek	
HATC	Hat Creek Radio Observatory, Hat Creek	
HAV	Havilah	
WHVM	Havilah	
HAY	Hayfield	
KHBM	Hayfork Bally	
HYS	Haystack Butte	
NHBM	Healdsburg	
PHCM	Hearst Castle	
HEC	Hector,Ludlow	
HMTC	Hemet	
HERB	Hercules	
LHEM	Herd Peak	
U04C	Hernandez Reservoir, Idria	
HVC	Hernandez Valley	
PHRM	Hernandez Valley	HVC
HDB	Hidalgo Marine Base	
HDG	Hidalgo Mountain	
LHHM	High Hole Crater	
HLNC	Highland	
GHLM	Highland Springs	
GHVM	High Valley	
HTCR	Hilton Creek	
LHMM	Hirz Mountain	
LHOM	Hoadley Peaks	
HBM	Hobart Mills	
HBT	Hobart Mills	
HOD	Hodge	
BHRM	Hodges Ranch	
GHGM	Hogback Ridge	
PHGM	Hog Canyon	
HOLC	Holcomb Ridge	
JHLM	Holstrom Ranch	
HCC	Holy Cross	
OHCM	Honcut	
HOPS	Hopland	
KHMM	Horse Mountain	
HOT	Hot Springs Mountain	
GHCM	House Creek	
JHPM	Huddart Park	
GHMM	Hull Mountain	
V03C	Hunter Liggett MR Jolon	
PHBM	Huron Fishing Bridge	
IBP	Imperial Boulder Park	
IND	Independence	
PIVM	Indian Valley	
INDC	Indio Hills	
S04C	Ingram Canyon, Westley	
ING	Ingram Ranch	
IKP	Inkopah	
INS	Inspiration	
IRS	Iris	
IR2C	Iron Canyon	
IRC	Iron Canyon	
IRM	Iron Mountain Pumping Sta,Desert Center	
IRN	Iron Mountains	
KIPM	Iron Peak	
ISA	Isabella	
JCC	Jacoby Creek	
JAS	Jamestown	
JAS1	Jamestown	
JRSC	Jasper Ridge	
JCNB	Joaquin Canyon North	
JCSB	Joaquin Canyon South	
JJRM	Joaquin Road	
KJJM	Johnny Jack Ridge	
HJSM	John Smith Road	
AN15*	Johnson Can.	JHC
BJCM	Johnson Can.	JHC
JHC	Johnson Canyon	
WJPM	Johns Peak	
PJLM	Jolan Road	
JOL	Jolon Road	
PJRM	Jolon Road	JOL
JFS	Joseph F. Staten	
JRWM	Joshua Ridge West	
JTR	Joshua Tree Park	
SNDA	J Saunders Place	
JULC	Julian	
JNH	Juniper Hills	
KCC	Kaiser Creek	
KPK	Kanaka Peak	
KEE	Keen Camp Maintenance Station	
KFC	Kentfield	
WKTM	Kern-Tulare	
KKPM	Kettenpom Peak	
PKEM	Kettleman Hills	
KYP	Key Point	
HKRM	Kincaid Ranch	
KRC	King Ranch	
R05C	Kirkwood Meadows Resort, Kirkwood	
KNO	Knox Ranch	
KBY	Kobayashi Ranch	
KM-	Kramer	KM-CL
KM-CL	Kramer	
KBF	Kyburz Flat	
LPC	La Cumbre Peak	
BLG	Laguna Peak	

Code	*Station Name*	*Other*
LT5	La Honda	
LJC	La Jolla	
LKC	Lake Chabot	
CLCM	Lake Chabot	LKC
CLCB	Lake Chabot	
NLHM	Lake Herman	
LHU	Lake Hughes	
LGC	Lakewood Golf Course	
LANC	Lancaster	
LAC	Landers	
LDFC	Landfair	
LAQC	La Quinta	
LCH	Last Change Range	
ALAM	Latrobe	
LRCG	Laurel Creek	
LRMC	Laurel Mountain	
LAVA	Lava Cap Winery, Placerville	
LAVC	Lavic	
LED	Lead Mountain	
R07C	Lee Vining	
WLPM	Leibel Peak	
LEOC	Leona Valley	
BLRM	Lewis Ranch	
JLXM	Lexington Res.	LXR
LXR	Lexington Reservoir	
M06C	Likely Place Golf, Likely	
Q04C	Lincoln	
ALNM	Lincoln	
LOC	Lincoln School	
LITR	Litchfield	
LCCB	Little Cholame Creek	
LTC	Little Chuckwalla Mountains	
WLHM	Little Horse	
LTM	Little Maria Mountains	
LMHM	Little Mount Hoffman	
BRVM	Little Rabbit V.	LRV
LRV	Little Rabbit Valley	
LRRC	Littlerock Reservoir	
LLA	Llanada	
LLAC	Llano	
LOK	Lockwood Valley	
JLPM	Loma Prieta	
LOMS	Lomita	
BLP	Lompoc	
PLOM	Lone Oak Road	LRC
LRC	Lone Oak Road	
LN9	Lone Pine	
LTR	Lone Tree Road	
HLTM	Lone Tree Road	LTR
M05C	Lookout	
LMCR	Lookout Mountain	
LMO	Lookout Mountain Observatory	
LMS	Lookout Mountain Observatory	
LNAS	Los Alamitos	
LCM	Los Angeles Museum of Natural History	
JLTM	Los Trancos	LTW
JTRM	Los Trancos Road	
LTW	Los Trancos Woods	
LJB	Lovejoy Buttes	
LOY	Loyalton	
M04C	Macdoel	
MGL	Magalia	
KMRM	Mail Ridge	
MLAC	Mammoth Lakes Airport	
MMPM	Mammoth Pass	
MPMC	Manual Prospect Mine,Trona	
LMEM	Manzanita Entrance	
LMZM	Manzanita Lake	
MLC	Manzanita Lake	
MCA	Marble Canyon	
MCCM	Marconi Conference Center, Marshall	
MARC	Maricopa	
MHDL	Marin Headlands	
MAC	Mark West Springs	
NMWM	Mark W Springs	MAC
MIRC	Martinez Indian Reservation	
MPK	Martis Peak	
MV-	Marysville	MV-CL
MV-CL	Marysville	
PMRM	Maxey Ranch	
GMMM	Mayacamas Mountains	
M03C	McCloud	
MFSM	McCloud Flat S	MFS
MFS	McCloud Flat South	
HOME	McLaughlin Mine	
MNRC	McLaughlin Natural Reserve	
GMCM	McLaughlin Ranch	
PMCM	McMillan Canyon	
BMCM	McPhails Peak	
MECC	Mecca Hills	
LMDM	Medicine Lake	
JMPM	Menlo Park	
MOB	Menlo Park	
LT7	Menlo Park	MOB
S05C	Merced	
BMSM	Mercy Hot Springs	
MMNB	Middle Mountain	
NMTM	Middletown	
CMPM	Mikes Peak	
JMGM	Milagra Ridge	MGA
MGA	Milagra Ridge	
LMPM	Military Pass	
MILG	Mill City	
MLL	Mill Creek	
T06C	Millerton Lake Dam, Friant	
CMCM	Mills College	
MIN	Mineral	
MNR	Mines Road	
CMNM	Mines Road	
CL2	Mines Road	CMNM
CB9	Mines Road	MNR
CMRM	Mines Road	MNR
MSJ	Mission San Jose	
CMJM	Mission San Jose	MSJ
HELL	Mitchell Peak	
MMWM	Mi Wuk Village	
MIX	Mix Canyon Road	
NMXM	Mix Canyon Road	MIX
GMOM	Moffitt Ranch	
MRD	Mojave River Dam	
PMPM	Monarch Peak	MOP
MOP	Monarch Peak	
MCRR	Mono Craters	
ML3CL	Mono Lake	
ML1CL	Mono Lake	
ML2CL	Mono Lake	
ML1	Mono Lake	ML1CL
ML2	Mono Lake	ML2CL
ML3	Mono Lake	ML3CL
ML4	Mono Lake	ML4CL
ML4CL	Mono Lake	
MONR	Mono Valley	
MTB	Montebello Ridge	
MTR	Monterey	
HMOM	Monterey	MTR
MOBB	Monterey Bay OB	
CMOB	Morgan Territory	
LT17	Morgan Territory	MTC
MTC	Morgan Territory	
CMOM	Morgan Territory	MTC
MRVC	Morongo Valley	
ABL	Mount Abel	
BFSC	Mount Baldy Ranger Station	
MDA	Mount Davis	
MDC	Mount Diablo	
MHC	Mount Hamilton	
MHR	Mount Hamilton Road	
LHKM	Mount Harkness	
BMHM	Mount Harlan	
BJOM	Mount Johnson	
GMKM	Mount Konoctai	
LAS	Mount Lassen	
CMLM	Mount Lewis	
CMMM	Mount Mocho	
OLYC	Mount Olympus	
COSM	Mount Oso	
KMPM	Mount Pierce	
MPI	Mount Pinos, Frazier Park	
NMHM	Mount Saint Helena	
SHC	Mount Saint Helena	
SGL	Mount Signal	
NTPM	Mount Tamalpais	
JUMM	Mount Umunhum	
MWC	Mount Wilson	
CB10	Mt Hamilton Road	MHR
CMHM	Mt Hamilton Road	MHR
NHMM	Mt Hamilton Road	HMR
MURC	Murrieta	
GNAM	Navarro Ridge	
ND-	Needles	ND-CL
ND-CL	Needles	
NEE	Needles	
NEE2	Needles Airport, Needles	
JNAM	New Almaden Mine	
MNHM	New Hogan Reservoir	
NW2	New River	
CNIC	Niles Canyon	
WNMM	Nine Mile Canyon	NMC
NMC	Nine Mile Canyon	
NOP	Nopah Range	
CNCM	Norris Canyon Road	
HLLC	North Hollywood	
NOCG	North-of-Casa	
WOFM	Oak Flat	
OBB	Obsidian Butte	
MOYM	O'Byrne Ferry	
OBS	Ocean Bottom Seismometer	
OCR	O'Connell Ranch	
HORM	O'Connell Ranch	OCR
OHLN	Ohlone	
OMM	Old Mammoth Mine	
NOLM	Olema	
OLC	Olema	NOLM
WORM	Onyx Ranch	
AOHM	Oregon House	
ORCC	Oricopia Mountain	
KOMM	Orleans Mountain	
ORV	Oroville	
OSI	Osito Adit	
AODM	Outingdale	
ORC	Owens River	
OXMT	Ox Mountain	
AN4*	Pacheco Lake	PCL
HPLM	Pacheco Lake	PCL
PCL	Pacheco Lake	
PACP	Pacheco Peak	
PAM	Palermo	
PSP	Palm Springs	
PAC	Palo Alto--Branner	
PLM	Palomar	
LT18	Palomares Rd	PLC
CPLM	Palomares Road	
PLC	Palomares Road	
PVR	Palos Verdes	
PVRC	Palos Verdes	
PVPS	Palos Verdes	
PGE	Panamint Range	
PANV	Panamint Range	
PRS	Paraiso	
PKD	Parkfield	
PKD1	Parkfield	
PPFM	Parkfield Array	PKF
PKF	Parkfield Array	
PKH	Park Hill	
HPHM	Park Hill	PKH
PAS	Pasadena	
PASC	Pasadena Art Cn	
PPRM	Paso Robles	
PWTG	Paul Wright Trailer	
PTV	Peach Tree Valley	
PPTM	Peach Tree Valley	PTV
PKM	Peak Mountain	
HPRM	Peckham Road	PKC
PKC	Peckham Road	
AN8*	Peckham Road	PKC
PEC	Perris	
PRR	Perris	
PSD	Pescadero	
BPFM	Pfieffer Point	
PIC	Picacho Peak	
KPPM	Pickett Peak	
PCC	Pilarcitos Creek	
PLT	Pilot Knob	
AN1*	Pine Canyon	PNC
BPCM	Pine Canyon	
PNC	Pine Canyon	
GPMM	Pine Mountain	
PEM	Pine Mountain	
BPIM	Pinnacles	
CPIM	Pinole Ridge	
PNMC	Pinto Mountains	
PFO	Pinyon Flat Observatory	
TPFO	Pinyon Flat Observatory TA	
BPPM	Pinyon Peak	
PPK	Piper Mountain	
PIU	Piute Mountains	
PZC	Pizona Creek	
GFTM	Plant 15--Mercuryville	
CPNM	Pleasanton	
JPLM	Pleasant Valley	PEV
PEV	Pleasant Valley	
PLEC	Pleito Hills	
GAFM	Point Arena AFB	
PT2	Point Dume	
CPMM	Point Molate	
NPRM	Point Reyes	
PRC	Point Reyes	
PSUR	Point Sur Hydrophone	
POB	Polly Butte	
PCF	Pomona	
POM	Pomona	
BPRM	Ponciano Ridge	
LPDM	Pondosa	
APRM	Poppy Hill Road	
JPPM	Portola Park	LT3
LT3	Portola State Park	
BPOM	Post Ranch	
POTR	Potrero Hills, Fairfield	
CB7	Poverty Ridge	
JPRM	Presidio of San Francisco	
PRI	Priest	
PYR	Pyramid	
QAL	Quail Lake	
QSM	Queen of Sheba Mine	
AN13*	Quien Sabe	QSR
HQRH	Quien Sabe	QSR
QSR	Quien Sabe Ranch	
O05C	Quincy	
KRKM	Rackout Springs	
MRFM	Railroad Flat South	
RAMR	Ramage Ranch	
V04C	Ramage Ranch, Paso Robles	
LCL	Rancho Los Cerritos	
GRNM	Rancho Navarro	
RPV	Rancho Palos Verdes	
ORAM	Rattlesnake Point	
RAY	Raywood Flat	
RMNB	Reason Mountain	
RCH	Reche Mountain	
RCP2	Recreation Park	
RCTC	Rector, Farmersville	
O02C	Red Bluff	
LRDM	Redding Peak	
KRMM	Red Mountain	
KRMB	Red Mountain	
MRCM	Red Rock Canyon	
JRRM	Redwood Retreat	
WRCM	Renegade Can. W	RCWM
RCWM	Renegade Canyon West	
RYS	Reyes Peak	
ARWM	Richard P. Wilkes	
RFSB	Richmond Field	
RSRB	Richmond-San Rafael Bridge	
ARRM	Rickey Ranch	
RMR	Rimrock	
RVM	Rio Vista Mine	
RVR	Riverside	
RSBC	Riverside Borehole	
RVS	Riverside Mountains	
PRCM	Roach Canyon	
ARJM	Robert W. Jensen	
JRGM	Rodeo Gulch Road	
KRPM	Rodgers	
ROD	Rodman Mountain	
BRMM	Rolling Bench Mark	
RSE	Rose Pump	
RVCM	Rose Valley Central	
WRVM	Rose V. Central	RVCM
CRHM	Round Hill Res.	
GROM	Round Mountain	
GRMM	Round Mountain	
RDM	Round Mountain	
RMT	Round Mountain	
GRTM	Round Top Mountain	
CRPM	Russellman Park	
CRPB	Russellman Park	
RUN	Ruthven	
SBB	Saddle Back Butte	
SBKC	Saddleback Mountain	
SADC	Saddle Peak	
HSFM	Saint Francis Retreat	
NSHM	Saint Helena Road	
SJH	Saint Joseph Seminary	
SMCB	Saint Mary's College	
SVIN	Saint Vincent's CYO School for Boys, San Rafael	
AN12*	Salinas Radio	SRC
BSRM	Salinas Radio Site	
SRC	Salinas Radio Site	
SDLC	Saltdale	
SLTC	Salton Sea Test Base	
SWSC	Sam W. Stewart	
SAC	San Andreas	
JSAM	San Andreas	SAC
SAO	San Andreas Geological Observatory	
JSLM	San Andreas Lake	
LT9	San Andreas Lake	
PANM	San Antonio Reservoir	
PSAM	San Ardo	
SBT	San Benito	
BBNM	San Benito	SBT
SBVC	San Bernardino Valley	
JSBM	San Bruno Mountain	
SCI	San Clemente Island	
SNDC	Sand Canyon	
CSAM	Sandia	
SND	San Diego	
SDC	San Diego	
SDRC	San Diego Road Dept, El Cajon	
HFEM	San Felipe	SFL
SFL	San Felipe	
SFC	San Francisco	
SFB	San Francisco	
SFM	San Francisco	
S06C	San Francisco Camp Mather, Mather	
SFR	San Francisco--Rincon	
SJQ	San Joaquin Reservoir	
HBTM	San Juan Bautista	
HJGM	San Juan Grade	
AN3*	San Juan Grade	HJGM
CSLM	San Leandro Hills	
HSLM	San Luis Dam	
SLD	San Luis Dam	
BSM	San Miguel Island	
BSN	San Nicolas Island	
SNCC	San Nicolas Island	
SNC	San Nicolas Island	
SNS	San Onofre	
ZSP	San Pablo Dam	
CSPM	San Pablo Ridge	
SPH	San Pedro Hill	
CRAM	San Ramon	
SS2	San Sevaine	
SBC	Santa Barbara	
SBI	Santa Barbara Island	
CIW	Santa Catalina Island West	
SCL	Santa Clara	
STCC	Santa Clara	
SCCB	Santa Clara County Offices	
SCC	Santa Cruz	
SCZ	Santa Cruz	
BSC	Santa Cruz Island	
PMGM	Santa Margarita	
SME	Santa Rosa Mine	
SMO	Santa Rosa Mountain	
JSTM	Santa Teresa Hills	
SYP	Santa Ynez Peak	
SYS	San Ysidro	
SGC	Saratoga Golf Course	
SWM	Sawmill	
JSMM	Sawmill Road	
SNR	Schaffner Ranch	
PSRM	Scobie Ranch	
STTC	Scott Ranch	
SNT	Sears Point	
PSEM	See Canyon	
GSGM	Seigler Mountain	
SVD	Seven Oaks Dam	
PSHM	Shandon	
SHS	Shasta Dam	
HSPM	Sheep	
SHH	Sheep Hole Mountains	
SWNG	Sheriff Wilson	
KSPM	Sherwood Peak	
SPM	Ship Mountains	
BSGM	Shirttail Gulch	SHG
SHG	Shirttail Gulch	
WSCM	Short Canyon	
SHOC	Shoshone	
SDW	Sidewinder Mine	
BSLM	Silva Ranch	
SVC	Silver Creek	
CSCM	Silver Creek	SVC
SIL	Silver Peak	
SI2	Simi Peak	
SMMC	Simmler	
SKG	Skaggs Springs	
GSSM	Skaggs Springs	SKG
ASMM	Slate Mountain	
KSMM	Slide Mountain	
ASRM	Slough House Road	
PSMM	Smith Mountain	
SRTC	Snort	
GSNM	Snow Mountain	
GSMM	Socrates Mine	
JSSM	Soda Springs	SOS
SOS	Soda Springs	
SLBC	Solana Beach	
BSMM	Soledad Mission	
BOOC	South Base Booster	
SGV	South Grapevine Mountains	
LSLM	South Lassen	
WSHM	Spangler Hills	
TIT	Squaw Tit	
STAN	Stanford	
LT4	Stanford	SFT
JSFM	Stanford	SFT
SFT	Stanford Telescope	
MSTM	Stent	
STP	Stepladder Mountains	
LT1	Stevens Creek	SEC
JSCM	Stevens Creek	SEC
SEC	Stevens Creek	
OSTM	Stimpson Lane	
LT2	St Joseph	SJH
JSJM	St Joseph	SJH
PSTM	Stockdale Mountain	
SMNB	Stockdale Mountain	
BSCM	Stone Canyon	
SCYB	Stone Canyon	
STC	Stone Canyon Observatory	
SCY	Stone Canyon Reservoir	
CSVM	Stone Valley	
SDP	Sudden Peak, Lompoc	
SMWM	Sugarloaf Mountain West	
CSU1	Sunol Dilatometer	
SSK	Sunset Peak	
SMTC	Superstition Mountain	
SUP	Superstition Mountain	
SUTB	Sutter Butte	
OSUM	Sutter Buttes	
BSBM	Swanson's Bluff	
OTBM	Table Mountain	
TMC	Table Mountain	
TF-	Taft	TF-CL
TF-CL	Taft	
CTAM	Taylor	
NTYM	Taylor	
CTFL	Taylor Farm	
NTMM	Taylor Mountain	
TRC	Taylor Ranch	
PTYM	Taylor Ranch	TRC
PK3	Taylor Ranch	TRC
THC	Tehachapi Microwave	
TJR	Tejon Ranch	
TMB	Temblor Range Southeast	
CTHM	Terry Harris R'ch	
CTLM	Tesla Road	
KTRM	Thompson Ridge	

Code	Station Name	Other
SATS	Thornton Park	
GTC	Three Chop Ridge	
THRC	Three Sisters	
LTIM	Timbered Crater	
TIN	Tinemaha	
TNK	Tinkers Knob	
TMO	Tin Mountain	
NTBM	Tomales Bay	
TOW	Tower One	
TPRS	Tripped Ranch	
TPO	Tropico Hills	
GTSM	Trough Springs	
JTGM	Trout Gulch Road	
MTUM	Tungsten Hills	
TCC	Turnbull Canyon	
TUQ	Turquoise Mountain, Baker	
TTM	Turtle Mountains	
LTCM	Tuscan Springs	
TN-CL	Twentynine Palms	
TPC	Twentynine Palms	
TWL	Twin Lakes	
TWN	Twin Peaks	
PTRM	Twissleman Ranch	
UKI	Ukiah	
JUCM	University of California, Santa Cruz	
CMSB	University of California Stadium	
USC	University of Southern California	
CVLM	Vallecito	
AVRM	Valley Road Site	
GVV	Valley View	
OGOM	Van Goodin Ranch	
VARB	Varian Well	
VPK	Verdi Peak	
VES	Vestal, Richgrove	
CVAL	Veterans Administration Hospital	
VTV	Victorville	
VPD	Villa Park Dam	
VIN	Vineyard	
BVYM	Vineyard	
VCAB	Vineyard Canyon	
VIT	Vineyard--Telemeter	
VSTC	Vista	
VG2	Vista Grande	
WVPM	Volcano Peak E	VPEM
VPEM	Volcano Peak East	
CVPM	Vollmer Peak	
WWPM	Walker Pass	
GWKM	Walker Ridge	
WKC	Walker Ridge	
WKC2	Walker Ridge	
WSP	Warm Springs	
WENL	Wente Vineyards, Livermore	
PWMM	Westland Maintenance Station	
WML	Westmorland	
U05C	Westside ANR, Five Points	
WESC	Westside School	
WERC	Wheeler Ridge	
WH2	Whipple Mountains 2	
WDC	Whiskeytown Dam	
S08C	White Mtn Res Sta-Crooked Creek, Bishop	
WWR	Whitewater	
WLK	Wiest Lake	
WRC	Williams Ranch	
Q03C	Winters	
WIS	Wister	
GWRM	Wonder Ranch	
JWSM	Woodside	WDS
WDS	Woodside	
LT6	Woodside	WDS
WDY	Woody	
WKR	Work Ranch	
PK2	Work Ranch	WKR
PWKM	Work Ranch	WKR
NWRM	Wright Ranch	
OWAM	Wyandotte	OWYM
OWYM	Wyandotte	
YAQ	Yaqui Meadows	
YEG	Yeguas Mountain	
CYBM	Yerba Buena Island	
YBIB	Yerba Buena Island	
YR-	Yreka	YR-CL
YR-CL	Yreka	
YBH	Yreka Blue Horn Mine, Yreka	
P05C	Yuba Gap, Truckee	
YUH	Yuha Desert	
LUL		
HQRM		QSR
JPSM		PSD
NFRM		FTR
NGVM		GVR
NMCM		NMC
JSGM		SGC
NLNM		LOC
NSPM		SNT
WMD		
Caribbean Sea		
GTBY	Guantanamo Bay	
SDDR	Presa de Sabaneta	
Colorado		
S22A	4UR Ranch, Creede	
N27A	Anderson Farm, Haxtun	
R26A	Arlington	
Q25A	Bedland, Calhan	
O27A	Beecher Island, Eckley	
N21A	Black Mountain, Craig	
BDC	Boulder	
BOU	Boulder	
BO1	Boulder	
T27A	Campo	
N24A	Carr	
T23A	Casias Ranch, Antonito	
CECO	Cedaredge	
R21A	Cimarron	
S21A	Coal Bank Pass, Durango	
CMCO	Colorado Mnmt	
T26A	Comanche National Grassland Park, Kim	
CGC	Craig	
Q22A	Crested Butte, Gunnison	
P19A	Cripple Cowboy Ranch, Baxter Pass	
P26A	Davis Ranch, Arriba	
P20A	De Beque	
DEN	Denver	
DER	Derby	
S20A	Disappointment Valley, Cahone	
Q24A	Divide	
DR-CO	Durango	
DGC	Durango	
DR-	Durango	DR-CO
R27A	Eads	
EGC	Eagle	
P22A	Eagle	
T22A	Edith	
P27A	Ficken Ranch, Kirk	
R25A	Fountain Ranch, Boone	
FK-CO	Franktown	
FK-	Franktown	FK-CO
GACO	Gateway	
GLD	Golden	
GOL	Golden	
GJC	Grand Junction	
N25A	Grover	
Q23A	Hartsel	
HDQ	Headquarters	
HLR	Highland Ranch	
O26A	Horse Wrangler Ranch, Akron	
S24A	Houchin Ranch, La Veta	
Q26A	Hugo	
ISCO	Idaho Springs	
P23A	Jefferson	
KSCO	Kaye Shedlock's, Cheyenne Wells	
S26A	Kim	
N26A	Koester Ranch, Padroni	
P24A	Kohler Place, Littleton	
O22A	Kremmling	
O23A	Lake Granby, Granby	
Q21A	Lamborn Mesa, Paonia	
S27A	Las Animas	
O24A	Longmont	
LSI02	Los Alamos Infrasonic Array Site 2	
MSCO	Mesa State College	
MVCO	Mesa Verde	
R23A	Moffat	
MRC	Montrose	
P21A	Newcastle	
S23A	Nye Farm, Monte Vista	
OMCO	Orchard Mesa	
O21A	Pagoda	
PGS	Pagosa Springs	
PV06	Paradox Valley	
PV02	Paradox Valley	
PV05	Paradox Valley	
PV10	Paradox Valley	
PV15	Paradox Valley	
PV01	Paradox Valley	
PV09	Paradox Valley	
PV08	Paradox Valley	
PV04	Paradox Valley	
PV07	Paradox Valley	
PV03	Paradox Valley	
PMC	Poorman Mine	
RGC	Rangely	
N23A	Red Feather Lakes	
R20A	Redvale	
Q20A	Ridgley Place, Grand Junction	
RW4	Ridgway	
RW1	Ridgway	
RW3	Ridgway	
RW5	Ridgway	
RW6	Ridgway	
RW2	Ridgway	
RBC	Rio Blanco	
S25A	Robets Cordova Ranch, Walsenberg	
R22A	Saguache, Gunnison	
R24A	Sanders Place, Florence	
T24B	San Luis	
SMCO	Snowmass	
SMC	Somerset	
SIG	South Ingalls	
N20A	Spence Gulch, Sunbeam	
T24A	Torres, Weston	
T25A	Trinidad	
TJC	Trinidad (USA)	
TDC	Trinidad (USA)	
T28A	Walsh	
WTC	Waterton	
N22A	Wattenberg Ranch, Walden	
O20A	White River City	
O25A	Wiggins	
P25A	Willow Gulch Bison Ranch, Deer Trail	
Connecticut		
APT	Avery Point	
BPT	Bridgeport	
BCT	Brookfield	
BRYW	Bryant College	
CPL	Chaplin	
ECT	Ellsworth	
HDM	Haddam	
HAR	Hartford	
LSCT	Lakeside	
MD1	Moodus	
MD2	Moodus	
MD3	Moodus	
MD4	Moodus	
MD5	Moodus	
NHC	New Haven	
NSC	North Stonington	
TMT	Talcott Mountain	
UCCT	U. Connecticut	
UCT	University of Connecticut	
WSPT	Westport, CT	
YLE	Yale	
Delaware		
BVD	Bellevue State Park	
BBD	Blackbird State Forest	
BWD	Brandywine Creek State Park	
DEMA	Delaware Emergency Management Agency	
GTD	Georgetown	
GWDE	Greenwood	
NED	Newark	
SCOM	Sussex County Emergency Operations Center	
District of Columbia		
BED	Bald Eagle	
DTM	Carnegie Institution of Washington	
GEO	Georgetown	
PPHYL	Hylton High School	
WAS	Washington	
NRL	Washington--Naval Research Laboratory	
Florida		
BE-	Belleview	BE-FL
BE-FL	Belleview	
DWPF	Disney	
EVE	Everglades	
GAI	Gainesville	
JAC	Jacksonville	
MIA	Miami	
OR-FL	Orlando	
OR-	Orlando	OR-FL
PEN	Pensacola	
RIC	Richmond	
WFF	Whiting Field	
Georgia		
AMG	Americus	
ATL	Atlanta	
BBG	Brasstown Bald	
CDG	Carters Dam	
CMGA	Chestnut Mountain	
IVAG	Clark Hill Reservoir	
BEVG	Clark Hill Reservoir	
LDVG	Clark Hill Reservoir	
CH5	Clark Hill Reservoir	
CH6	Clark Hill Reservoir	
DALG	Dalton	
ETG	Eatonton	
GOGA	Godfrey	
GMG	Grassy Mountain	
GBG	Greensboro	
LA-	Lafayette	LA-GA
LA-GA	Lafayette	
LKGA	Lookout Mountain	
RCG	Rock City	
REG	Rock Eagle	
TVGG	Rocky Mountain Net	
RMG	Rome (USA)	
TIGA	Tifton	
WDG	Wallace Dam	
Hawaii		
AHA	Ahua	
AIN	Ainahou	
BAH	Barrette	
CPH	Captain Cook	
CPK	Cone Peak	
DAH	Dandelion	
DES	Desert	
DHH	Diamond Head	
ESR	Escape Road	
FEF	Fern Forest	
HKL	Haleakala	
HLK	Haleakala	
HPU	Hale Pohaku	
HBH	HawaiianBeaches	
HVO	Hawaiian Volcano	UWE
HIG	Hawaii Institute of Geophysics	
HW-	Hawaii Isl. Ar.	HW-IS
HW-IS	Hawaii Isl. Ar.	
HPAH	Hawaii Preparatory Academy	
HUL	Heiheiahulu	
HLP	Hilina Pali	
HIL	Hilo	
HNL	Honolulu	
HON	Honolulu	
HPO	Honuapo	
HTC	Hot Caves	
HUH	Hualalai	
HMH	Humuula	
KUH	Kaapuna	
KAE	Kaena	
KPH	Kaena Point	
KHU	Kahuku	
KKH	Kailua Kona	
KLCH	Kalalua Cone	
KPA	Kalaupapa	
KML	Kamuela	
KANH	Kanahau	
KIH	Kanekii	
KNHH	Kane Nui o Hamo	
KFH	Kaoiki Faults	
KLH	Kapapala Ranch	
KPO	Kapoho	
KLK	Kealakekua	
KEA	Kealakomo	
KKU	Keanakolu	
KEKH	Kekaha	
KIP	Kipapa	
KNH	Kipuka Nene	
KOH	Kohala	
KNW	Konawaena	
LPH	Laupahoehoe	
LLAH	Lualailua	
M12	M12	
MHA	Mahukona	
MKA	Makaopuhi	
MAUI	Maui	
MKH	Mauna Kea	
MLH	Mauna Loa	
MLX	Mauna Loa 2	
MLOA	Mauna Loa Observatory	
MOK	Mokapu	
MWH	Mokuaweoweo	
MVH	Mountain View	
NAA	Naalehu	
NGH	National Guard	
NBH	North Bay	
NPH	North Pit	
OA-	Oahu Island	OA-IS
OA-IS	Oahu Island	
OVEH	Oceanview Est	
OKAH	Ooka	
OPA	Opana	
OUT	Outlet	
PAH	Pahoa	
PFH	Pahoa Fire House	
PUH	Pauahi	
POHA	Pohakuloa	
POH	Pohoiki	
PWH	Poliokeawe Pali	
PUP	Pupakea	
PHO	Puu Honuaula	
PHH	Puu Huluhulu	
PKL	Puu Kaliu	
KMH	Puu Kamoamoa	
POK	Puuokali	
PPL	Puu Pili	
PLL	Puu Ulaula	
RSD	Rainshed	
RCO	Red Cone	
RIM	Rim	
SPT	South Point	
SWH	Southwest Rift	
STCH	Steam Cracks	
TRH	Trail	
UWE	Uwekahuna	
WHA	Wahaula	
WKH	Waikii	
WMR	Waimanalo Ridge	
WLG	Waldron Ledge	
WOB	Weather Observatory	
WPH	West Pit	
WHI	Whitney	
WIH	Wilkes Camp	
WOH	Wood Valley	
Idaho		
K15A	Arbon	
ARNI	Argonne North	
I12A	Atlanta	
AHID	Auburn Hatchery	
BCYI	Bear Canyon	
BEI	Bear River Range	
E12A	Beaver Dam Saddle, Pierce	
J10A	Berg Farm, Melba	
BHI	Bertha Hill	
BBI	Big Bend	
G12A	Big Creek, Yellow Pine	
GBI	Big Grassy Butte	
LRI	Big Lost River	
YPBB	Black Butte	
J15A	Blackfoot	
E11A	Bogner Ranch, Nez Perce	
BSE	Boise	
J16A	Bone	
BDID	Brownlee Dam	
BUI	Burke	
MFID	Camas Ranch	
J14A	Carey	
L11A	Cat Creek Ranch, Riddle	
CBTI	Cedar Butte	
CIB	Cedar Butte	
CMI	Centennial Mountain	
H13A	Challis	
CL-	Challis	CL-ID
CL-ID	Challis	
CRBI	Circular Butte	
G13A	Cobalt	
J13A	Cove Ranch, Picabo	
CHOI	Coyote Hollow	
COMI	Craters of Moon	
CPI	Crown Point	
CNCI	Crows Nest Canyon	
DEI	Dent	
H12A	Diamond D Ranch, Stanley	
H11A	Donnelly	
L13A	Double Diamond Ranch, Oakley	
DCID1	Drake Creek	
K12A	Draper Farm, Castleford	
DCI	Dry Creek	
DPI	Dunn Peak	
ECR	Eagle Creek	
EMI	Eightmile Canyon	
EBI	Elk Butte	
F12A	Elk City	
ERI	Eureka Ridge	
L16A	Fish Haven	
GMI	Garnes Mountain	
GHI	Gilbert Hill	
GRAI	Grandview Point	
F11A	Grangeville	
GRCI	Grant Creek	
GRRI	Grays Lake	
GTRI	Great Rift	
HL-	Hailey	HL-ID
HLID	Hailey	
HL2	Hailey	HL2ID
HL-ID	Hailey	
HL2ID	Hailey	
A11A	Hall Mountain, Copeland	
HID	Hamer Butte	
HHI	Harmony Heights	
YPHR	Hebgen Ridge	
HHAI	Hells Half Acre	
YHB	Horse Butte	
L12A	House Creek Ranch, Rogerson	
HPI	Howe Peak	
HWSI	Howe Scarp	
IDA	Idaho Array	
ID1	Idaho Array 1	
ID2	Idaho Array 2	
ID3	Idaho Array 3	
ID4	Idaho Array 4	
ID5	Idaho Array 5	
IRCI	INEL Research	
ICI	Italian Canyon	
JECI	Jenson Cabin	
JSM	Jim Sage Mountain	
K14A	Jones Ranch, Declo	
L10A	Juniper Basin Ranch, Riddle	
JGI	Juniper Gulch	
KGI	Kellogg	
KCI	Kelly Canyon	
KBI	Kettle Butte	
D11A	Klaveano Farm, Fernwood	
H14A	Leadore	
LJI	Lemhi Junction	
LGM	Little Green Mountain	
LLRI	Little Lost River	
LVRI	Lost Valley Reservoir	
I14A	Mackay	
MCPI	Mackay Peak	
L15A	Malad City	

Code	Station Name	Other
MLI	Malad Range	
L14A	Malta	
MAS	Mason Butte	
MBI	Menan Buttes	
YPMF	Mesa Falls	
I15A	Monteview	
MCID	Moose Creek	
MO-	Mountain Home	MO-ID
MO-ID	Mountain Home	
MUDI	Mud Lake	
MUL	Mullan	
NWR	Narrow River	
I16A	Newdale	
NPRI	New Reactor	
H10A	Noah's Angus Ranch, Cambridge	
NTI	Nordman	
NPI	North Pocatello Valley	
K11A	Parker Ranch, Bruneau	
PZCI	Patelzick Creek	
I10A	Payette	
PLID	Pearl Lake	
PINI	Pine Creek	
I11A	Placerville	
PTI	Pocatello Creek	
PCID	Pole Creek	
PQ-ID	Preston	
D12A	Red Ives Forest Station, Avery	
RRI	Red Ridge	
RRI2	Red Ridge	
REX	Rexburg	
RMI	Round Mountain	
SJID	Saint Joe	
B11A	Sandpoint	
SPVI	Shoe Peg Valley	
SMBI	Sixmile Butte	
SBID	Snowbank Mountain	
K16A	Soda Springs	
SPCI	Split Crater	
STID	Stanley	
STI	Star Valley	
J12A	Stokes Ranch, Hill City	
K13A	Stover Farm, Hazelton	
SURI	Summit Reservoir	
TMI	Taylor Mountain	
TCSI	Telchick Spring	
C11A	Tepee Creek (NFS), Magee	
TID	Three Point Mountain	
TYI	Trinity Mountain	
YPTS	Trude Siding	
WAL	Wallace	
G11A	Walters Elk Ranch, Riggins	
WBI	Whiskey Butte	
I13A	Wildhorse Creek, Mackay	
WICI	Willow Creek	
WPI	Wilson Peak	
Illinois		
BPIL	Belle Prairie	
BVIL	Belleville	
CIRL	Cave In Rock	
CGI	Chicago	
CHK	Chicago	
CHI	Chicago-Loyola	
CSIL	Creal Springs	
DAIL	Da Vinci Academy	
DEK	Dekalb	
ELC	Elco	
HDIL	Hopedale	
JCMO	Jefferson College	
MCIL	McClure	
NHIL	New Haven	
PW-	Pontiac	PW-IL
PW-IL	Pontiac	
GOIL	Rosebud	
SMV	Samsville	
EDIL	So. Illinois U.	
SIUC	Southern Illinois University	
SCMO	St. Charles CC	
WVIL	Wabash College	
WQ-IL	Watseka	
WCIL	Waubonsee CC	
WSIL	West Salem	
Indiana		
BLO	Bloomington	
IN1	Indiana Array	
IN2	Indiana Array	
IN3	Indiana Array	
IN4	Indiana Array	
ISU	Indiana State University	
SFIN	Scholer Farm	
SHIN	Springhill	
SPIN	Swan Pond Ditch	
THI	Terre Haute	
USIN	University of Southern Indiana	
WDIN	Wadesville	
WCI	Wyandotte Cave	
Iowa		
BY-IO	Bloomfield	
DMI	Des Moines	
DBQ	Dubuque	
SCIA	State Center	
VO-	Vinton	VO-IO
VO-IO	Vinton	
Kansas		
P29A	Atwood	
BEK	Belvue	
R31A	Burdett	
CBKS	Cedar Bluff	
CNK	Concordia	
Q33A	Connelly Farm, Tescott	
R30A	Dighton	
EDK	El Dorado	
Q31A	Ellis	
EM-	Emporia	EM-KA
EMK	Emporia	
EM-KA	Emporia	
HWK	Hiawatha	
T32A	Huddler Ranch, Lake City	
T29A	Hugoton	
P32A	Huiting Farm, Downs	
KSU1	Kansas State University--Konza Prairie	
S33A	Kaszmaul Farm, Murdock	
LAK	Lawrence	
LAW	Lawrence	
R32A	Long Quarter, Great Bend	
MHK	Manhattan	
MHT	Manhattan	
S28A	Manter	
R29A	Marienthal	
Q32A	Meitler Ranch, Lucas	
MLK	Milford Reservoir	
S30A	Montezuma	
S31A	Mullinville	
S32A	Newby Ranch, Pratt	
NNK	Norton	
Q29A	Oakley	
OBK	Oberlin	
R33A	Olander Ranch, Little River	
T33A	Patterson Ranch, Waldron	
T30A	Plains	
Q30A	Quinter	
T31A	Randall Ranch, Ashland	
P28A	Saint Francis	
SNK	Salina	
P30A	Selden	
Q28A	Sharon Springs	
P31A	Stockton	
R28A	Tribune	
TCK	Tuttle Creek Reservoir	
S29A	Ulysses	
P33A	Williams Farm, Concordia	
Kentucky		
BETH	Bethel	
BGKY	Bowling Green	
BHKY	Bowman Hall	
CRU	Crutchfield	
DY-KY	Dry Ridge	
DY-	Dry Ridge	DY-KY
FLKY	Flemingsburg	
SLKY	Flemingsburg	FLKY
FDKY	Freedom	
FMKY	Fulgham	
HAKY	Hadley Quad	
HICK	Hickman	
LLKY	Land-Between-the-Lakes	
LEK	Lexington	
LGKY	Lock 6	L6KY
L6KY	Lock 6	
LOKY	Lockhart	
MOKY	Morganfield	
PAKY	Paducah	
PKKY	Potato Knob	
REKY	Reed	
ROKY	Rotten Point	
RS-	Russell Springs	RS-KY
RS-KY	Russell Springs	
SMKY	Sacramento	
SOKY	Sonora	
SSKY	Summer Shade	
WCK	Wilson Creek	
Kodiak Island		
OHAK	Old Harbor	
Louisiana		
JE-LA	Jena	
JE-	Jena (USA)	JE-LA
LV-	Liddieville	LV-LA
LV-LA	Liddieville	
NOL	New Orleans	
LSU1	Parcperdue Array	
LSU2	Parcperdue Array	
LSU3	Parcperdue Array	
LSU4	Parcperdue Array	
LSU5	Parcperdue Array	
Maine		
AGM	Allagash	
AG-ME	Augusta	
AG-	Augusta	AG-ME
BG-	Bangor	BG-ME
BG-ME	Bangor	
BPM	Bucksport	
CBM	Caribou	
PQ0	Cooper Hill	
D5A	Dickey	
D1A	Dickey	
D2A	Dickey	
D4A	Dickey	
D6A	Dickey	
D3A	Dickey	
EMM	East Machias	
EMMW	East Machias	
EMMT	East Machias	
PQ1	East Ridge	
HKM	Hinckley	
HNME	Houlton	
HN-	Houlton	HN-ME
HN-ME	Houlton	
JKM	Jackman	
MIM	Milo	
ORNO	Orono	
PKME	Peaks-Kenny Pk	
POR	Portland	
PQI	Presque Isle	
TRM	Turner	
WVL	Waterville	
WTR	Waterville	
Maryland		
NHB	Bethesda--National Naval Medical Center	
CLH	Cheltenham	
ER304	Early Rise 304	
ECM	Ellicott City	
GS-	Grantsville	GS-MD
GS-MD	Grantsville	
NLM	Maryland--Naval Ordinance Lab	
SDMD	Soldier's Delight Natural Environment Area	
VIL	Villa Mercy	
WSC	Washington Science Center	
WOO	Woodstock	
Massachusetts		
HRV	Adam Dziewonski Observatory	
QUA2	Belchertown	
BCX	Boston College	
CAM	Cambridge	
DXB	Duxbury	
DUX	Duxbury	
FLR	Fall River	
GLO	Gloucester	
LNX	Lenox	
NMA	Nantucket	
QUA	Quabbin	
COD	South Dennis	
WGMA	Westboro	
WFM	Westford	
WES	Weston	
WLL	Williamstown	
WOR	Worcester	
Michigan		
ACM	Allegan	
AAM	Ann Arbor	
MTPM	Central Michigan University	
LNSM	East Lansing	
ED-	Edgewood	ED-MI
ED-MI	Edgewood	
GLMI	Grayling	
KZM	Kalamazoo	
PF-MI	Pickford	
PF-	Pickford	PF-MI
SUG	Sugar Island	
TT-MI	Trout Lake	
TT-	Trout Lake	TT-MI
AAMC	University of Michigan	
WPM	White Pine	
Minnesota		
B34A	Aery, Baudette	
AGMN	Agassiz National Wildlife Refuge	
B32A	Ashes, Strandquist	
BEM	Bemidji	
CM1	Central Minnesota Array	
CM2	Central Minnesota Array	
CM3	Central Minnesota Array	
CM4	Central Minnesota Array	
CM5	Central Minnesota Array	
CM6	Central Minnesota Array	
DUL	Duluth	
EYMN	Ely	
GY-	Gaylord	GY-MN
GY-MN	Gaylord	
GP-	Grand Rapids	GP-MN
GP-MN	Grand Rapids	
HT-	Hastings	HT-MN
HT-MN	Hastings	
JA-	Jasper	JA-MN
JA-MN	Jasper	
JO-	Jordan	JO-MN
JO-MN	Jordan	
A31A	Linda, St. Vincent	
MFM	Minneapolis	
MNM	Minneapolis	
MNN	Minneapolis	
NB-MN	North Branch	
NB-	North Branch	NB-MN
PP-	Pipestone	PP-MN
PP-MN	Pipestone	
SE-MN	Sleepy Eye	
SE-	Sleepy Eye	SE-MN
SPMN	St. Paul	
TY-	Tracy	TY-MN
TY-MN	Tracy	
WD-	Windom	WD-MN
WD-MN	Windom	
WF-	Wykoff	WF-MN
WF-MN	Wykoff	
Mississippi		
GH-MS	Greenville	
LL-	Laurel	LL-MS
LL-MS	Laurel	
LD-	Lucedale	LD-MS
LD-MS	Lucedale	
LD2MS	Lucedale	
LD3MS	Lucedale	
LU-MS	Lumberton	
MB-	McComb	MB-MS
MB-MS	McComb	
OXF	Oxford	
PC-MS	Picayune	
PC-	Picayune	PC-MS
PGM	Pleasant Grove	
PU-MS	Purvis	
PU-	Purvis	PU-MS
RI-MS	Richton	
TQ-MS	Tatum Dome	
VBMS	Vicksburg	
Missouri		
BRNM	Bernie	
BRM	Bernie	
BRR	Berryman	
BETM	Bethany	
BRGM	Braggadocio	
CGM	Cape Girardeau	
CCM	Cathedral Cave	
CATM	Catron	
CHNM	Channel	
CHRM	Charleston	
COKM	Charter Oak	
CWPT	Cottonwood Point	
CCMO	Creve Coeur	
CBD	Cypress Bend	
DMV	Demmitville	
DWDM	Dogwood	
DWM	Dogwood	
DON	Dongola	
EPRM	East Prairie	
ECD	Elk Chute Ditch	
EN-MO	Ellsinore	
EN-	Ellsinore	EN-MO
STIL	E St Louis HE Ctr	
FRM	Flat River	
FLO	Florissant	
FVM	French Village	
CBMO	Girardeau Bridge	
GLST	Glass	
GNAR	Gosnell	
GSAR	Gosnell High Sch.	
GRV	Greenville	
GUAMO	Guam	
HAWT	Hathaway	
HATI	Hayti	
HENM	Henderson Mound	
KC-MO	Kansas City	
KC-	Kansas City	KC-MO
KEWM	Kewanee	
LPAR	Lepanto	
LDMO	Linda	
LST	Lone Star	
MLDM	Malden	
MLD	Malden	
MARMO	Marston	
MVMO	Maryville College	
MATM	Matthews	
MGMO	Mountain Grove	
NMD	New Madrid	
NMM	New Madrid	
NMMO	New Madrid	
NMEM	New Madrid Sch	
NRMS	Noranda	
PARMO	Parma	
MMM	Pea Ridge Mine	
PEBM	Pemiscott Bayou	
PENMO	Penman	
PPLM	Point Pleasant	
PBMO	Poplar Bluff	
POBM	Portage Bay	
PTG	Portageville	
PGVM	Portageville	
PVMO	Portageville	
RSCM	Risco	
RELT	Roellen	
ROL	Rolla	
RMB	Rombauer	
SJMO	Saint John's Bayou	
SLM	Saint Louis	
TOPM	Tallapoosa	
TPMO	Tallapoosa	
TYS	Tyson Valley	
WADM	Wardell	
WALK	Watson Lake	
Montana		
F21A	Absaloka Mine, Hardin	
G24A	Alzada	
AMM	Anaconda	
AN-MA	Angela	
AN-	Angela	AN-MA
E24A	Baker	
BGMT	Barton Gulch	
BCM	Basin Creek	
BSMT	Bassoo Peak	
B18A	Beardsley Farm, Havre	
A21A	Bergtoll Ranch, Theony	
G23A	Biddle	
BBM	Big Bend	
BCB	Big Creek Baldy	
BFM	Bigfork	
BHMT	Big Hole Peak	
F18A	Big Timber	
BS-MA	Billings	
F20A	Billings	
G22A	Birney	
BLK	Black Butte	
BPMT	Black Pine Ridge	
BLMT	Blacktail Mountain	
BZE	Bozeman	
BZM	Bozeman	
BZMT	Bozeman Pass	
BOZ	Bozeman (W)	
B15A	Bradely Ranch, Valier	
G20A	Bridger	
B19A	Brinkman Farms, Chinook	
B23A	Brockton	
F15A	Butte	
BUT	Butte	
CLX	Calx Mountain	
A22A	Carney Farms, Richland	
CHMT	Chamberlain Mountain	
CRMT	Chrome Mountain	
CMT	Clancy	
CCMT	Clark Canyon Reservoir	
CFM	Cliffside	
E14A	Clinton	
A20A	Cobblestone Ranch, Loring	
D22A	Cohagen	
CKM	Coopers Lake	
D19A	Cripps Ranch, Grass Range	
DGMT	Dagmar	
DMMT	Dalton Mountain	
D16A	Dana Ranch, Cascade	
F13A	Darby	
E15A	Deer Lodge	
DPM	Delmo Park	
YPDC	Denny Creek	
C21A	Desert Coulee Ranch, Glasgow	
G15A	Dillon	
DI-	Dillon	DI-MA
DLMT	Dillon	
DI-MA	Dillon	
A14A	Double T Ranch, Babb	
EGMT	Eagleton	
QLMT	Earthquake Lake	
E16A	East Helena	
ERMT	East Ridge	
F24A	Ekalaka	
ELMT	Elliston	
B21A	Ellsworth Farm, Hinsdale	
FBMT	Ferry Basin	
F17A	Fitzpatrick Place, Clyde Park	
A13A	Flathead National Forest, Polebridge	
FR-	Forsyth	FR-MA
FR-MA	Forsyth	
C16A	Fuhringer Ranch, Dutton	
D24A	Glendive	
GI-	Glendive	GI-MA
GI-MA	Glendive	
GBM	Granite Butte	
GCR	Grayling Creek	
D14A	Greenough	
GCMT	Greycliff	
HH-	Hannah	HH-ND
HH-ND	Hannah	
E18A	Harlowton	
HV-	Havre	HV-MA
HV-MA	Havre	
HLM	Helmville	
HRF	Holter Research Foundation--Helena	
HRY	Holter Research Foundation--York Bridge	
C13A	Hot Springs	
HHM	Hungry Horse	
D13A	Huson	
HY-	Hysham	HY-MA
HY-MA	Hysham	
E23A	Ismay	
G14A	Jackson	
JTMT	Jette	

Code	Station Name	Other
A15A	Johnson Ranch, Cut Bank	
E21A	Keefer Ranch, Vananda	
F16A	Kennard Place, Willow Creek	
A19A	Klindworth Farms, Hogeland	
D21A	La Casta Ranch, Jordon	
LHM	Lake Helena	
C23A	Lambert	
LASA	Lasa Array	LAO
LA0	Lasa Array	LAO
LAO	LASA Array	
LB1	LASA B Ring	
LB2	LASA B Ring	
LB3	LASA B Ring	
LB4	LASA B Ring	
LC1	LASA C Ring	
LC2	LASA C Ring	
LC3	LASA C Ring	
LC4	LASA C Ring	
LD1	LASA D Ring	
LD2	LASA D Ring	
LD3	LASA D Ring	
LD4	LASA D Ring	
LE1	LASA E Ring	
LE2	LASA E Ring	
LE3	LASA E Ring	
LE4	LASA E Ring	
LF1	LASA F Ring	
LF2	LASA F Ring	
LF3	LASA F Ring	
LF4	LASA F Ring	
G18A	Lazy EL Ranch, Roscoe	
LCCM	Lewis and Clark Caverns	
LN-MA	Lewistown	
B17A	L&G Farms, Chester	
B12A	Libby	
LDM	Libby Dam	
H15A	Lima	
LRM	Limekiln Ridge	
D15A	Lincoln	
D23A	Lindsay	
D18A	Linhart Farms, Moccasin	
LBM	Little Butte	
LHD	Little Hoodo Mountain	
LTMT	Little Table Mountain	
G21A	Lodge Grass	
LFM	Lubrecht Forest	
LYMT	Lyon Mountain	
D20A	Manuel Ranch, Winnett	
B14A	Marquette Ranch, East Glacier	
E17A	Martinsdale	
MCMT	McKenzie Canyon	
A18A	Metzger Ranch, Havre	
E20A	Meyer Farm, Musselshell	
E22A	Miles City	
MKMT	Mink Peak	
MSMT	Mission Creek	
MSO	Missoula	
B16A	M & M Farms, Shelby	
MOMT	Monida	
G16A	Moss Hill, Ennis	
BEMT	Mount Belmont	
MEMT	Mount Ellis	
HBMT	Mount Humbug	
C12B	Naegeli Ranch, Trout Creek	
NCM	Ninemile Creek	
NDMT	Ninemile Divide	
OVMT	Ovando	
G17A	Pierce Place, Pray	
PNK	Pinkham Creek	
PCMT	Pistol Creek	
E19A	Rath Farm, Roundup	
B22A	Reddig Ranch South, Frazer	
YPRL	Red Lodge	
RLMT	Red Lodge	
A23A	Redstone	
RFM	Reservoir Flats	
RXF	Rexford	
F22A	Rosebud	
F19A	Roth Farm, Molt	
H16A	Russell Place, West Yellowstone	
C15A	Salmond Ranch, Choteau	
C24A	Savage	
SLMT	Seeley Lake	
SGM	Silver Gate	
D17A	Six Diamond Ranch, Ranyesford	
SXM	Sixmile	
C19A	Slack Wire Ranch, Winifred	
B20A	Solberg Farm, Malta	
STMT	Stillwater Mine	
-A0MA	Subarray A0 LASA	
SVMT	Summit Valley	
SWP	Swamp Creek	
C14A	Swan Lake	
SWMT	Swartz Lake	
SW-MA	Sweetgrass	
SW-	Sweetgrass	SW-MA
TEE	Teeples Ranch	
TPMT	Tepee Creek	
A17A	Triple J Farms, Joplin	
C12A	Trout Creek	
C20A	Veseth Ranch, Zortman	
E13A	Victor	
VCMT	Victor	
C22A	Vida	
F23A	Volborg	
WCM	Warland Creek	
YPWB	West Boundary	
A16A	West Butte Ranch, Sweetgrass	
YWY	West Yellowstone	
C17A	Wharram Farm, Highwood	
B13A	Whitefish	
WHM	Wild Horse Parks	
F14A	Wisdom	
YKM	Yaak	
A12A	Yaak River Ranch, Troy	
YBMT	Yellow Bay	
YCM	YMCA Camp	
Nebraska		
O29A	4D Ranch, Culbertson	
AI-NB	Alliance	
AI-	Alliance	AI-NB
ABN	Auburn	
N31A	Bailey Ranch, Gibbon	
M28A	Bar X Bar Ranch, Keystone	
K30A	Basset	
BENE	Beatrice	
BGNE	Belgrade	
O32A	Brockman Farm, Red Cloud	
M29A	Burnside Ranch, Stapleton	
L31A	Butterfield Farm, Chambers	
CCNE	Clay Center	
CZ-NB	Cody	
CZ-	Cody	CZ-NB
CUN	Columbus	
L28A	Connealy Angus Ranch, Whitman	
CR-	Crete	CR-NB
CR-NB	Crete	
CR2NB	Crete	
CTN	Crete	
M30A	Dale-Ortello Valley, Anselmo	
DTN	Dwight	
L25A	Engebretsen Ranch, Morrill	
K27A	Flueckinger Farm, Gordon	
GO-	Gordon	GO-NB
GO-NB	Gordon	
GAN	Gretna	
HS-	Hay Springs	HS-NB
HS-NB	Hay Springs	
O33A	Hebron	
HMN	Homestead National Monument	
N30A	Hueftle Ranch, Cozad	
INDN	Indianola	
JHN	Johnson	
O28A	Krutsinger Ranch, Parks	
M31A	Lambtecht Ranch, Loup City	
K29A	Lazy Trails Angus Ranch, Wood Lake	
LCN	Lincoln	
LIN	Lincoln	
LCNC	Loup City	
LCNE	Loup City	
K25A	Mack Ranch, Harrison	
L29A	Maesberg Ranch, Thedford	
M26A	McRoberts Ranch, Bridgeport	
MKN	Medicine Creek Dam	
MH-	Mitchell	MH-NB
MH-NB	Mitchell	
K26A	Motz Farm, Whitney	
O30A	MW Ranch, Wilsonville	
NR-	Niobrara River	NR-NB
NR-NB	Niobrara River	
OGNE	Ogallala	
PCNE	Platte Center	
N28A	Pribbeno Ranch, Imperial	
M27A	Reverse DX Ranch, Oshkosh	
L30A	Spencer Herefords Ranch, Brewster	
SGN	Springfield	
N32A	Stulken Farm, Doniphan	
L27A	T5 Ranch, Ellsworth	
K28A	Ten Mile Ranch, Cody	
L26A	Underwood Farm, Alliance	
N29A	Votaw Ranch, Wellfleet	
WHNE	Wahoo	
WNN	Wann	
O31A	Woolen Ranch, Alma	
Nevada		
BUK	413	
LWN	416	
ALA	Alamo	
AMDNV	Amargosa	
ANCR	Anchorite	
APK	Angel's Peak	
APKW	Angels Peak	
U10A	Ash Meadows, Armagosa	
APNR	Astor Pass	
AT-	Austin	AT-NV
AT-NV	Austin	
P09A	Austin	
BRO	Bare Mountain	
BMN	Battle Mountain	
BEA	Beatty	BTY
BTY	Beatty	
BLM*	Bell Mountain	
BLT	Belted Range	
BGB	Big Butte	
BGN	Big Creek	
BIS	Bismark Peak	
BMTN	Black Mountain	
BMT*	Black Mountain	
BCN	Boulder City	
BNPN	Boundary Peak	
BONR	Boundary Peak	
BOX	Box Canyon	
BYX	Boyer Ranch	
BFC	Buffalo Canyon	
N06A	Buffalo Meadows, Empire	
CTS	Cactus Peak	
CDH1	Calico Hills	
CDH5	Calico Hills	
CQ-NV	Caliente	
W12A	Cal Nev Ari	
CANR	Candelaria	
Q09A	Carvers	
NYC	Charley	
P11A	Circle Ranch, Eureka	
Q10A	Clear Creek Ranch, Tonopah	
NYM	Climax Mine	
N12A	Clover Valley, Wells	
COLR	Columbus	
U11A	Corn Creek	
T11A	Corn Creek, Alamo	
O10A	Cortez Mining, Crescent City	
COTR	Cottonwood	
O11A	Cowboy Ranch, Jiggs	
CPX	CP-1	
CPY	CP-1	
CPN	CP-17	
CMN	Crown Mine	
CU-	Currant	CU-NV
CU-NV	Currant	
CND	Currant	
O12A	Currie	
S12A	Delamar Landing Field, Caliente	
DLM	Delamar Mountains	
DIXR	Dixie Hot Springs	
P08A	Dixie Valley	
DSM	Dog Skin Mountain	
Q11A	Duckwater	
N10A	Dunphy	
EPR	East Pahranagat Range	
ESTR	Eastside	
EHN	Echo Peak	
EPM	Echo Peak	
EMN	Eldorado Mountains	
ELK	Elko	
EKO	Elko	
N11A	Elko Archery Club, Elko	
EY-	Ely	EY-NV
EY-NV	Ely	
EY2NV	Ely	
ELY	Ely	
EY2	Ely	EY2NV
ETS	Engine Test Stand	
P10A	Eureka	
EUR	Eureka	
EK-NV	Eureka	
EK-	Eureka (L)	EK-NV
EXC	Excelsior	
FPN1	Fairview Park	
FPN	Fairview Peak	
P07A	Fallon	
FA-NV	Faultless	
FERR	Ferguson	
O09A	Fish Creek Ranch, Battle Mountain	
O06A	Flanigan	
GAB	Gabbs	
Q08A	Gabbs	
GNO	Genoa	
N07B	Gerlach	
N07A	Gerlach	
N08A	GE Springer Mine, Mill City	
GBT	Gilbert	
GILR	Gillis	
S09A	Goldfield	
GF-	Goldfield	GF-NV
GF-NV	Goldfield	
GMN	Gold Mountain	
V11A	Goodsprings	
GLR	Groom Lake Road	
GMR	Groom Range	
GZN	Ground Zero	
ZOX	Ground Zero	GZN
GRX	Grover	
M08A	Happy Creek Ranch, Winnemucca	
HLX	Hole	
M11A	Holland Ranch, North Fork	
HCR	Hot Creek Range	
HYX	Hoyt Mine	
HCK	Huntoon Valley	
HVL	Huntoon Valley	
M10A	I.L. Ranch, Tuscararo	
IO-	Ione	IO-NV
IO-NV	Ione	
JON	Johnnie	
NYJ	Joshua Tree	
KVN	Kaiserville	
KP-NV	Kawich Peak	
KRNA	Kawich Range	
LM-NV	Lake Mead	
LM-	Lake Mead	LM-NV
LVN	Las Vegas	
LVW	Las Vegas	
LDV	Leadville	
LI-NV	Liberty	
LI-	Liberty	LI-NV
LHV	Little Huntoon Valley	
LSM	Little Skull Mountain	
LSN	Little Skull Mountain	
LOP	Lookout Peak	
LO-	Lovelock	LO-NV
LVK	Lovelock	
LO-NV	Lovelock	
LBP	Lucky Boy Pass	
LNG	Luning	
MGM	Magruder Mountain	
M09A	Marrel Ranch, Paradise Valley	
P12A	McGill	
MCN	Mercury	
MCV	Mercury	
MCY	Mercury	
MN-NV	Mina	
MN-	Mina	MN-NV
MNA	Mina	
MNV	Mina	
R08A	Mina	
NVAR	Mina Array Beam Reference Point	
NV01	Mina Array Site 1	
NV10	Mina Array Site 10	
NV02	Mina Array Site 2	
NV03	Mina Array Site 3	
NV32	Mina Array Site 32	
NV33	Mina Array Site 33	
NV04	Mina Array Site 4	
NV05	Mina Array Site 5	
NV06	Mina Array Site 6	
NV07	Mina Array Site 7	
NV08	Mina Array Site 8	
NV09	Mina Array Site 9	
NV11	Mina Array Sites 11 and 31	
T12A	Moapa	
M13A	Montello	
MZP	Montezuma Peak	
MTPC	Mountain Pass	
MTI	Mount Irish	
N23	N23	
NMN	Nasa Mountain	
V12A	Nelson	
NEN	Nelson	
NEL	Nelson	
NT2NV	Nevada Test Site	
NT-NV	Nevada Test Site	
NTA	Nevada Test Site Array	
NPN	North Pahroc Range	
NPM	North Pahute Mesa	
NRM	North Rainier Mesa	
NRR	North Reno	
ADM	NRDS	
OB3NV	Oak Springs Butte	
OB2NV	Oak Springs Butte	
OB-NV	Oak Springs Butte	
OVE	Overton	
PAHR	Pah Rah Range	
PRN	Pahroc Range	
PMN	Pahute Mesa	
LO2	Pahute Mesa	
PH2NV	Pahute Mesa Site	
PH4NV	Pahute Mesa Site	
PH3NV	Pahute Mesa Site	
PH-NV	Pahute Mesa Site	
PARR	Paradise	
PNR	Penrod	
R12A	Pony Springs, Pioche	
QM-NV	Quartzite Mountain	
QCS	Queen City Summit	
QNR	Quinn River	
QRV	Quinn River Valley	
S11A	Rachel	
RH-NV	Rawhide Mountain	
NYR	Receiver Site	
REN	Reno	
RVE	Reveille Range	
O08A	Rochester Mine, Lovelock	
N09A	Rock Creek Ranch, Golconda	
RUT	Ruth	
RYN	Ryan	
SGI04	Saint George Infrasonic Array Site 4	
Q07A	Schurz	
SRG	Seaman Range	
SHRG	Sheep Range	
SHPR	Sheep Range	
SZ-NV	Shoal	
SZ-	Shoal	SZ-NV
SSP	Shoshone Peak	
SVP	Silver Peak Range	
SIMR	Simon	
STM	Slate Mountain	
SMN	Sleeping Mountain	
M07A	Soldier Meadows	
SPRG	Spotted Range	
SSX	SS1	
STX	Station 2	
P06A	Stead Airport, Stead	
ST-NV	Stillwater	
ST-	Stillwater	ST-NV
SWN	Stillwater	
SDH	Striped Hills	
SOX	Sue Hot Springs	
SC-NV	Sutcliffe	
SC-	Sutcliffe	SC-NV
NYS	Syncline Ridge	
TPU	Tempiute Mountain	
NT13	Thirsty	
TCNV	Thirsty Canyon	
TMN	Timber Mountain	
TMBR	Timber Mountain	
TP-	Tippipah	
TP-NV	Tippipah	
TPK	Tolicha Peak	
TI-NV	Tolicha Peak	
TPV	Tonopah	
TNP	Tonopah	
TPH	Tonopah	
R09A	Tonopah	
S10A	Tonopah Range, Tonopah	
TPNV	Topopah Spring	
O07A	Toulon	
TRCR	Troy Canyon	
R11A	Troy Canyon, Currant	
TSV	Twin Springs	
UVN	Unionville	
UVN1	Unionville	
U12A	Valley of Fire, Overton	
NYV	Vern	
VIP	Virginia Peak	
WAD	Wadsworth	
WAKR	Walker	
R10A	Warm Springs	
WSN	Warm Springs	
WZ-NV	Warm Springs	
WSR	Warm Springs Repeater	
WSH	Washington Hill	
WCN	Washoe City	
M12A	Wells	
N13A	Wendover, West Wendover	
WTCR	Whites Canyon	
WCT	Wildcat Mountain	
WLDR	Wildhorse	
L09A	Wilkinson Ranch, McDermitt	
Q12A	Willow Creek Ranch, Ely	
WMN	Winnemucca	
WI-NV	Winnemucca	
WI-	Winnemucca	WI-NV
WRN	Worthington Mountains	
YF3NV	Yucca Flat NTS	
YF4NV	Yucca Flat NTS	
YF-NV	Yucca Flat NTS	
YF2NV	Yucca Flat NTS	
YMT2	Yucca Mountain	
YMT5	Yucca Mountain	
YMT6	Yucca Mountain	
YM-NV	Yucca Mountain	
YMT4	Yucca Mountain	
YMT1	Yucca Mountain	
YMT3	Yucca Mountain	
WHR		
FLV		
NSP		
NT-		NT-NV
FPK		
NT2		NT2NV
New Hampshire		
BNH	Berlin	
DNH	Durham (NH)	
FNN	Franconia Notch	

Code	Station Name	Other
FFD	Franklin Falls Dam	
HNH	Hanover	
LANH	Laconia	
LB-NH	Lebanon	
LB-	Lebanon	LB-NH
LBNH	Lisbon	
LS-NH	Lisbon	
LS-	Lisbon (USA)	LS-NH
ONH	Oakhill	
PNH	Pitcher Mountain	
NH1	Sanbornton	
WNH	Whiteface	
WBNH	Wolfeboro	
New Jersey		
BRNJ	Basking Ridge	
CNJ	Catfish Pond	
DENJ	Denville	
GMTN	Garret Mountain	
GPD	Greenpond	
LVNJ	Long Valley	
PFMC	Merrill Creek	
HRMC	Merrill Creek	
EPMC	Merrill Creek	
PEMC	Merrill Creek	
PMMC	Merrill Creek	
PDMC	Merrill Creek	
FHMC	Merrill Creek	
ABMC	Merrill Creek	
MONJ	Montclair	
MSNJ	Montclair St. U.	
OGD	Ogdensburg	
ODNJ	Ogdensburg	
PQN	Pahaquarry	
PNJ	Paterson	
PVN	Peters Valley	
PANJ	Princeton	
PRIN	Princeton	
RAMA	Ramapo Mountain	
TABN	Tabernacle	
New Mexico		
X21A	Alamocita Creek, Datil	
ALQ	Albuquerque	
W22A	Albuquerque	
ANMO	Albuquerque	
ABQ	Albuquerque	ALQ
ANTR	Antelope Ridge	
127A	Arkansas Junction, Hobbs	
U26A	Atchley Ranch, Grenville	
BRC	Barley Canyon	
BNM	Barren Site	
BMNM	Bear Mountains	
T19A	Beclabito	
123A	Bell Site, White Sands Missle Range	
227A	Bennet, Jal	
X22A	Bernardo	
BDNM	Bernardo	
BBN	Black Butte	
W27A	Bowe Ranch, Endee	
V20A	Brimhall	
CCN	Cachucha Ranch	
Y24A	Capitan	
Z26A	Caprock	
CPRX	Cap Rock	
CLN	Carlsbad	
CLNB	Carlsbad	
CLN2	Carlsbad 2	
CLN4	Carlsbad 4	
CLN6	Carlsbad 6	
CLN7	Carlsbad 7	
CBET	Carlsbad E Tower	
CRNM	Carthage	
Y27A	Causey	
CZL	Cerro Azul	
CDN	Cerro del Durazano	
CNM	Chama	
223A	Chaparral, Anthony	
U25A	Circle Dot Ranch, Maxwell	
CLP	Clara Peak	
126A	Clayton Basin, Artesia	
X25A	Clemmons Ranch, Yeso	
COH	Cochiti	
122A	Conniff Cattle Co., Rinco	
121A	Cookes Peak, Deming	
X26A	CR and CF Franklin Farms, Melrose	
DMPK	Deadman Peak	
225A	Deer Hill, Carlsbad	
DNM	Dulce	
Z22A	Elephant Butte, Truth or Consequences	
Y26A	Elida	
U23A	El Rito	
EST	Estancia	
EUM	Eureka Mesa	
X27A	F and S Farms, Texico	
FARG	Farmington	
FCN	Frijoles Canyon	
125A	Gardner Draw, Artesia	
GB-NM	Gasbuggy	
GN-	Gnome	GN-NM
GN-NM	Gnome	
GNM	Golden	
GDL2	Guadalupe Mountain	
HTMS	Hat Mesa	
Y20A	Horse Springs, Datil	
X23A	Hourglass Bar Ranch, Mountainair	
Y22C	IRIS PASSCAL Instrument Center, Socorro	
Y22D	IRIS PASSCAL Instrument Center, Socorro	
JOAQ	Joaquin Lookout	
JUM	Jug	
KT7	Kermit	
KT1	Kermit	
KT2	Kermit	
KT3	Kermit	
KT4	Kermit	
KT5	Kermit	
KT8	Kermit	
KT9	Kermit	
320A	Kipp Ranch, Antelope Well	
LCV	La Cueva	
LAZ	Ladron	
LAD	Ladron Mountain	
LJY	La Joya	
LFC	Lale Fork Canyon	
LC-	Las Cruces	LC-NM
LC-NM	Las Cruces	
W24A	Lazy 6 Ranch, Villanueva	
X24A	Lazy VL Ranch, Encino	
LENM	Lemitar	
U22A	Llaves	
LOA	Los Alamos	
LSIAR	Los Alamos Infrasonic Array Beam Reference Point	
LSI01	Los Alamos Infrasonic Array Site 1	LSIAR
LSI03	Los Alamos Infrasonic Array Site 3	
LSI04	Los Alamos Infrasonic Array Site 4	
LPM	Los Pinos Mountain	
Y23A	Lovelace Mesa, Carrizozo	
226A	Malaga, Loving	
MLM	Mesa Lucero	
Y25A	Mesa, Roswell	
221A	Mesquite Ranch, Deming	
V21A	Milan	
ML-	Mogollon	ML-NM
ML-NM	Mogollon	
U24A	Moreno Valley High School, Angel Fire	
MSA	Mount San Antonio	
MTL	Mount Taylor	
U21A	Nageezi	
T21A	Navajo Lake	
U20A	Newcomb	
NMH	New Mexico Highlands	
Z20A	Nine Sixteen Ranch, Cliff	
OTZ	Ortiz Mountain	
V23A	Ortiz Mt. (NFS), Santa Fe National Forest	
W26A	Owens Ranch, Tucumcari	
220A	Playas Peak, Playas	
Y21A	Point of Rocks Canyon, Magdalena	
X20A	Quemado	
W20A	Ramah	
V24A	Rampart Ranch, Las Vegas	
V25A	Rancho No Tengo, Wagon Mound	
RT-NM	Raton	
RT-	Raton	RT-NM
REDP	Redondo Peak	
RIO	Rio Grant	
Z23A	Rita Site, White Sands Missle Range	
Z25A	Roswell	
SPD	Saint Peter's Dome Lookout	
W21A	San Fidel	
SMNM	San Marcial	
V22A	San Miguel Ranch, Cuba	
Z24A	Sheeppen Canyon, Tinnie	
SVM	Silver City	
SRF	Snake Ranch	
Y22A	Socorro	
SNM	Socorro	
SRM	Socorro	
SBM	South Baldy	
Z21A	St. Cloud Mine, Winston	
124A	Stringfield Ranch, Weed	
Z27A	Tatum	
226B	Tecolote Peak, Malaga	
V26A	Tequesquite Ranch, Mosquero	
TSP	Tesuque Peak	
TTP	Tetilla Peak	
TC-	T or C	TC-NM
TD-NM	Tres Piedras	
TD-	Tres Piedras	TD-NM
TC-NM	Truth or Consequences (T or C)	
120A	U Bar Ranch, Lordsburg	
W23A	Werner Place, Edgewood	
WMA	West Mesa	
222A	Williams Family Ranch, Las Cruces	
WTX	Workman Tunnel	
W25A	X Bar L Ranch, Newkirk	
New York		
ADN	Adams	
RSNY	Adirondack	
ACCN	Adirondack Community College	
APH	Airport Hangar	
ALX	Alexander Bay	
ALF	Alfred	
ANNS	Annsville	
ARNY	Arden House	
ATT	Attica	
ABRN	Auburn	
ASNY	Au Sable	
BGR	Bangor (NY)	
BERL	Berlin (NY)	
BING	Binghamton	
BINY	Binghamton	
BNY	Binghamton	
BRNY	Black Rk. Forest	
BML	Blue Mountain Lake	
BLMY	Blum	
BRCN	Bracie Corner	
BIPS	Buchanan	
BUF	Buffalo	
BFF	Buffalo-Larkin	
CHRY	Calls Hollow Road	
CAMB	Cambridge (NY)	
CANY	Canisius	BUF
CTNY	Carthage	
CTR	Castle Rock	
CAZE	Cazenovia	
CPNY	Central Park	
CHAU	Chaumont	
CNY	City College NY	
CLAR	Clarkstown	
CLIN	Clinton	
CONY	Cobleskill	
COSP	Cold Spring	
CSRY	Cold Spring River	
CROG	Croghan	
CRNY	Cross River	
CLY	Crystal Lake	
DANY	Dannemora	
DH-NY	Delhi	
DH-	Delhi	DH-NY
DPLY	Delli Paoli	
DP-	Deposit	DP-NY
DP-NY	Deposit	
DNY	Dersam	
DHN	Doyle Hill	
DBMY	Dunderburg Mountain	
DSN	Dusing	
EGN	Eagle's Nest	
EAN	East Aurora	
ELNV	Ellenville	
ELM	Elma	
FINE	Fine	
FRNY	Flat Rock	
FOR	Fordham	
GARN	Garrison	
GENY	Geneseo	
GERM	Germantown	
GILB	Gilboa	
GSCY	Girl Scout Camp	
GCY	Glen Cove	
GLOV	Gloversville	
GOBY	Gobbelet	
GNF	Goodnow Flow	
GFN	Grafton	
HMB	Hamburg	
HNY	Hamilton	
HAVE	Haverstraw	
HMCY	Holy Mount Cemetery	
HCNY	Howe Caverns	
INY	Ithaca	
ITH	Ithaca	
KSVO	Keeseville	
LCNA	Lacona	
LOZ	Lake Ozonia	
LONY	Lake Ozonia	
LILH	Lima (NY)	
AMNH	Manhattan	
MSNY	Massena	
MEDO	Medina	
MEDY	Medina	
MIV	Mineville/Witherbee	
NPNY	Mohonk Preserve	
MANY	Mount Airy	
MMNY	Mt. Morris Dam	
CHIP	Near Potsdam	
NCB	Newcomb	
NWC	North Woods Club	
OAK	Oakfield	
ONTR	Ontario (NY)	
OSBY	Osborn	
OSNY	Ossining	
OSWG	Oswego	
OCN	Over Castle Rock	
PRNY	Paleo Inst,Ithaca	
PAL	Palisades	
PGY	Peter Gray Mountain	
PHEL	Phelps	
PNY	Plattsburgh	
PNZ	Plattsburgh	
POTS	Potsdam Coll	
PTN	Potsdam (NY)	
PUTN	Putnam	
QLNY	Queensboro Lake	
CUNY	Queens College	
ROC	Rochester	
RMO	Rochester (NY)	
RLSP	Rockland Lake	
ROTD	Rotterdam (NY)	
SPSY	Saint Peters School	
SANY	Sanborn	
SRMY	Scherman	
SKN	Skaneateles	
SKLY	Ski Hill Lift	
SONY	Sodus	
SFN	Sterling Forest	
SFO	Sterling Forest	
STLY	Stiles	
STWA	Stillwater	
PKNY	Stone Ridge	
PONY	Stone Ridge	
SPNY	Stone Ridge	
SNPY	Stony Point	
SUFF	Suffern	
TBR	Table Rock	
TRY	Troy	
TUS	Tuscarora	
TXNY	Tuxedo	
UWL	Utowana Lake	
VCS	Vernal Corners	
WPR	Ward Pound Ridge	
WTVE	Waterville	
WGLY	Wegel	
WLI	Wellesley Island	
WCNY	West Carthage	
WCCN	Westchester CC	
WCC	Westchester Community College	
WMNY	West Monroe	
WEST	Westmoreland	
WPNY	West Park	
WVLY	West Valley	
WVNY	West Valley, New York	
WNY	Wilmington	
WND	Windham	
YSNY	Yorkshire	
JORD		
North America		
PJC	Pensacola State College	
North Carolina		
AE-NC	Albemarle	
AE-	Albemarle	AE-NC
AVNC	Asheville	
BENN	Benn Knob	
BRBC	Blue Ridge Broadcasting Company	
BUNC	Butner	
CCNC	Camp Creek Bald	
CEH	Chapel Hill	
CHC	Chapel Hill	
CPC	Cherry Point	
CNNC	Cliffs of the Neuse	
ER319	Early Rise 319	
GFM	Grandfather Mountain	
GBNC	Greensboro	
KMSC	Kings Mountain	
RNC	Little Raleigh	
MGNC	Mount Gibbes	
MTSH	Mount Sheppard	
MYNC	Murphy	
NCAT	North Carolina A&T Campus	
PKNC	Pores Knob	
RBNC	Richland Balsam	
RICH	Rich Mountain	
SMNC	South Mountain	
TVNC	Taylorsville	
TRYN	Tryon Peak	
WSSR	Wesser Bold	
WNC	Wilmington	
WSNC	Winespring Bald	
North Dakota		
D30A	Buchanan	
E26A	Carlson Angus Ranch, Regent	
E27A	Carson	
D27A	Center	
B28A	Dugan Ranch, Towner	
D25A	Fairfield	
C25A	Freed Ranch, Watford	
B31A	Greenbush Farm, Park River	
HH2	Hannah	HH2ND
HH2ND	Hannah	
C28A	Hausauer Farms, Kief	
A30A	Hoffart Farm, Langdon	
E28A	Huff	
B26A	Jensen Ranch, Palermo	
E30A	Jud	
B25A	Knox Farm, Ray	
A27A	Ledoux Ranch, Antler	
MDND	Maddock	
D26A	Manning	
A29A	Manning Farm, Rocklake	
E25A	Miller Ranch, Amidon	
C30A	Mose, Pekin	
B30A	Myrvik Farm, Edmore	
E29A	Napoleon	
B27A	Peters Farms, Glenburn	
D29A	Pettibone, Tappen	
D28A	Regan	
A28A	Rude Farm, Bottineau	
RY-	Ryder	RY-ND
RY-ND	Ryder	
C27A	Sayler Ranch, Douglas	
A25A	Svangstu Ranch, Noonan	
TS-ND	Trotters	
TS-	Trotters	TS-ND
A26A	Wade Farm, Kenmare	
B29A	Wagenman Farm, Cando	
C26A	Wahner Farm, Parshall	
A24A	Westby	
Ohio		
ACOH	Alum Ck. St. Park	
ACSO	Alum Creek State Park	
AN9	Anna	
AN3	Anna	
AN7	Anna	
AN4	Anna	
AN1	Anna	
AN10	Anna	
AN8	Anna	
AN12	Anna	
AN11	Anna	
ACEO	Ashtabula EMA	
BCSO	Bloom-Carroll	
BHSO	Botkins High School	
BGO	Bowling Green	
BGSO	Bowling Green State University	
CCHE	Chesterland	
CNN	Cincinnati	
CSCO	Clark State Community College	
CLE	Cleveland	
CLEO	Cleveland Museum of Natural History	
COWO	College of Wooster	
CECL	East Claridon	
ECCO	Edison CC	
GZ-OH	Galion	
CGRR	Girdled Road	
KSUO	Kent State University	
LECO	Lake Erie College	
LCCO	Lakeland CC	
MVKY	Maysville	
CMEN	Mentor	
MLF	Milford	
MOSO	Mohican School	
MUCO	Mount Union College	
OGSO	Ohio Geological Survey, Columbus	
OSUO	Ohio State University	
OSLO	Ohio State University--Lima	
OSMO	Ohio State University--Mansfield	
OUAO	Ohio University	
PIOH	Piqua	
SSUO	Shawnee State University	
CTOM	Thompson	
CTHA	Thorn Acres	
UOCO	University of Cincinnati	
UTLO	University of Toledo	
UTO	University of Toledo	
WSCO	Wright State University--Celina	
WSDO	Wright State University--Dayton	
YSUO	Youngstown State University	
Oklahoma		
ACO	Alabaster Cavern State Park	
ATO	Altona	
U34A	Anderson Ranch, Garber	
AL-	Antlers	AL-OK
AL-OK	Antlers	
AP-OK	Apache	
AP-	Apache	AP-OK
V32A	Arapaho	
ADOK	Arcadia Dam	
AM-	Ardmore	AM-OK
AM-OK	Ardmore	
AK-OK	Atoka	
AK-	Atoka	AK-OK
BHO	Bethel	
BIX	Bixby	
W34A	Bridge Creek, Tuttle	
W33A	Caddo, Fort Cobb	

Code	Station Name	Other
CCOK	Camp Classen	
CRO	Carnasaw Mountain Lookout Tower	
CDO	Cedar Creek	
OK006	Choctaw High	
CT-OK	Clayton	
CT-	Clayton	CT-OK
TUL0	Crosstimbers Borehole	
DU-	Durant	DU-OK
DU-OK	Durant	
X32A	Elmer	
GBO	Fort Gibson	
FKO	Franklin	
FNO	Franklin	
V34A	Guthrie	
OK007	Harrah City Hall	
OK003	Hefner Road	
HB-OK	Hobart	
HB-	Hobart (Okla)	HB-OK
W31A	Holland Ranch, Erick	
JCE1	John's Creek	
OK001	Jones High Sch.	
X33A	Lawton	
LNO	Leonard	
LNO2	Leonard	
LNO3	Leonard	
U33A	Lingo Farm, Meno	
V33A	Lossen Ranch, Watonga	
OK005	Luther M School	
MZO	Mazie Landing	
X31A	McDonald Ranch, Hollis	
MEO	Meers	
MFO	Meers Fault	
MRO	Meridian	
V35A	Meyer Ranch, Chandler	
U31A	Nine Bar Ranch, Gage	
NMO	Norman	
OKCFA	Oklahoma City	
OCO	Oklahoma City	
OKCSW	OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA USA	
OK004	Okla Sci Mus	
OLO	Oologah	
PKO	Pickens	
PCO	Ponca City	
QMO	Quartz Mountain	
QZO	Quartz Mountain State Park	
Y34A	Reagan Ranch, Oscar	
RRO	Red Rock Canyon	
RLO	Rose Lookout	
W32A	Sentinel	
SCE1	Shell Creek	
SIO	Slick	
X34A	Smith Ranch, Marlow	
OK008	Spencer City Hall	
V31A	Spring Creek Lake, Blk. Kettle Nat Grslnd	
TO-OK	Tishomingo	
TO-	Tishomingo	TO-OK
TUL	Tulsa	
TUL1	Tulsa	
TSO	Tulsa	
UYO	Union Valley	
VVO	Vivian	
WA-	Watson	WA-OK
WA-OK	Watson	
WMOK	Wichita Mountains	
WMO	Wichita Mountains Array	
OK002	Wilshire Harrah	
WLO	Wilson	
U32A	Winter Ranch, Mooreland	
U30A	WK&E Inc. Balko	
Oregon		
AOT	Adel	
L07A	Adell	
ALST	Alston	
ALVY	Alvey	
ALO	Ashland	
BPO	Bald Peter	
VBPM	Bald Peter	
BT-	Bates	BT-OR
BT-OR	Bates	
F10A	Beach Ranch, Enterprise	
VBEM	Beaver Butte	
I05A	Bend	
BEND	Bend	
BROR	Big Rock Lookout	
G10A	Bishop Farm, Joseph	
BKCOR	Black Crater	
BMO	Blue Mountains Array	
KBO	Bosley Butte	
BUCK	Buck Mountain	
BULL	Bull Run Dam	
BURN	Burns	
BUOR	Burton Butte	
BBOR	Butler Butte	
CHOR	Cabbage Hill	
G06A	Carlson Farm, Grass Valley	
L02A	Cave Junction	
VCMM	Chase Mountain	
K04A	Chilquin	
J06A	Christmas Valley	
J08A	Circle Bar Ranch, Crane	
COLT	Colton High School	
COR	Corvallis	
G09A	Cove	
KR-OR	Crane	
KR-	Crane	KR-OR
VCLM	Crater Lake	
CROR	Criterion Ridge	
H04A	Detroit Lake	
DBO	Dodson Butte	
I08A	Drewsey	
H09A	Durkee	
KEBM	Edson Butte	
I03A	Eugene	
EUO	Eugene	
EYES	Ewing Young ES, Newberg ANSS-SMO	
FBO	Farmers Butte	
L08A	Fields	
VFP	Flag Point	
J05A	Fort Rock	
FMC	Four Mile Canyon	
VFBM	Frederick Butte	
FRIS	Frissel Point	
J09A	Fry Pan Ranch, Harper	
K02A	Glendale	
VGTM	Goat Mountain	
GT2	Goat Mountain	
VGB	Gordon Butte	
VGBM	Gordon Butte	VGB
VGMM	Grass Mountain	
VGPM	Green Peter	
PGO	Gresham	
GROR	Grindstone Mountain	
GMO	Grizzlie Mountain	
HAMO	Hamaker Mountain	
VHBM	Hamelton Butte	
HSO	Harness Mountain	
HAO	Harrison Substation	
HRO	Hermiston	
VHHM	High Heaven	
J07A	Hines	
HMO	H. Mason	
HOG	Hogback Mountain	
VHEM	Hood Meadows East	
VHYM	Horsefly Mountain	
HBO	Huckleberry Mountain	
HUMO	Hull Mountain	
HUOR	Husband	
J03A	Ideyld Park	
IRO	Indian Ridge	
VIPM	Ingram Point	
I07A	Izee	
VJYM	Jersey	
JBO	Jordan Butte	
JORV	Jorden Valley SMO	
KEEL	Keeler	
KMOR	Kings Mountain	
L04A	Klamath Falls	
KFAL	Klamath Falls	
KFO	Klamath Falls	
LGOR	La Grande	
LKVW	Lakeview	
L05A	Lakeview	
H07A	Lands Inn, Kimberly	
LANE	Lane BPA Site-SMO	
VLMM	Larch Mountain	
VLL	Laurance Lake	
LIME	Lime	
LNOR	Lincton Mountain	
H06A	Lindquist Farm, Mitchell	
LAB	Little Aspen Butte	
I09A	Lost Marbles Ranch, Westfall	
K10A	MacKenzie Ranch, Jordan Valley	
H05A	Madras	
K08A	Mann Creek Ranch, Princeton	
I02A	Mapleton	
MRIN	Marion BPA Site DOGAMI SMO	
MPOR	Mary's Peak	
VMNM	Maupin	
MFW	Milton-Freewater	
MOD	Modoc	
MONO	Monmouth DOGAMI SMO	
MOON	Moon Mountain	
VMHM	Mount Hagen	
VHOM	Mount Hebo	
HEBO	Mount Hebo	
HOOD	Mount Hood Meadows	
G04A	Mulino	
NCOR	Newberry Crater	
NEWO	Newport DOGAMI SMO	
NLO	Nicolai Mountain	
PERL	Pearl BPA Site DOGAMI SMO	
PT-	Pendleton	PT-OR
PNO	Pendleton	
F08A	Pendleton	
PT-OR	Pendleton	
PK-OR	Pilot Rock	
PK-	Pilot Rock	PK-OR
G08A	Pilot Rock	
PN-	Pine Creek	PN-OR
PN-OR	Pine Creek	
PINOR	Pine Mountain	
PMT	Pine Mountain	
VPIM	Pine Mountain	
PINE	Pine Mountain Observatory	
PTD	Portland	
H08A	Prairie City	
PRLK	Prince Lake	
I06A	Prineville	
VRC	Rainbow Creek	
K07A	Rock Creek Ranch, Frenchglen	
RBO	Rocky Butte	
RNO	Roman Nose	
K09A	Rome	
VRBM	Round Butte Dam	
G07A	Ruggs Ranch, Heppner	
F09A	S2 Ranch, Elgin	
VPMM	Saint Patrick Mountain	
VSMM	Salem	
VSCM	Scott Mountain	
F03A	Seaside	
SEAS	Seaside SMO	
SA-OR	Seneca	
SA-	Seneca	SA-OR
K01A	Sixes	
KSCM	Snow Cap Mountain	
H03A	Soap Creek Ranch, Albany	
SOUA	Southern Oregon Univeristy DOGAMI SMO	
SR-OR	Sparta	
SR-	Sparta	SR-OR
VSP	Spence Mountain	
VSBM	Spring Butte	
K05A	Summer Lake	
SSOR	Sweet Springs	
TAKO	Tahkenitch	
I04A	Tendick Farm, Oakridge	
VTDM	The Dalles	
TCO	Three Creek Meadows	
WIFE	Three Sisters--Wife	
TIMB	Timberline	
H02A	Toledo	
TOLO	Toledo BPA CREST BB SMO	
TDH	Tom, Dick, Harry Mountain	
TKO	Trask Mountain	
TPOR	Trinity Point	
VTHM	Trough	
TCBU	Trout Butte	
VTCM	Trout Creek Butte	
UK-OR	Ukiah	
UK-	Ukiah	UK-OR
J02A	Umpqua	
UMPQ	Umpqua Community College DOGAMI SMO	
J04A	Umpqua National Forest, Toketee	
K06A	Valley Falls	
VT-OR	Venator	
VT-	Venator	VT-OR
VWMM	Walker Mountain	
G05A	Wamic	
VWBM	Wanoga Butte	
WPO	West Portland	
WMOR	Whale Back Mountain	
WVOR	Wild Horse Valley	
G03A	Yamhill	
Pennsylvania		
ABG	Abington	
ALLY	Alegheny College	
ATPA	Allentown	
AS-PA	Altoona	
BVR	Beaver	
BD-	Bedford	BD-PA
BD-PA	Bedford	
BV-	Belleville	BV-PA
BV-PA	Belleville	
BR-PA	Berlin	
BR-	Berlin (Penn)	BR-PA
BB-	Bloomsburg	BB-PA
BB-PA	Bloomsburg	
DCP	Dickinson College	
ER300	Early Rise 300	
ER301	Early Rise 301	
ER302	Early Rise 302	
ER303	Early Rise 303	
ERP	Erie	
ERPA	Erie	
FMPA	Franklin College	
GT-	Galeton	GT-PA
GT-PA	Galeton	
HKP	Hidden Lake	
HD-	Howard	HD-PA
HD-PA	Howard	
KSPA	Keystone College	
KTZ	Kutztown	
LUPA	Lehigh University	
LT-	Lewistown	LT-PA
LT-PA	Lewistown	
MR-PA	Middleburg	
MR-	Middleburg	MR-PA
MVL	Millersville	
MS-PA	Montrose	
MS-	Montrose	MS-PA
NKP	New Kensington	
WRPS	Penn State University	
PSWB	Penn State Wilkes-Barre	
PSUB	Penn St. - Brandywine Campus	
PAGS	Pennsylvania Geol. Surv.	
PHI	Philadelphia	
PIT	Pittsburgh	
PJ-PA	Pottstown	
SH-PA	Shamokin	
SH-	Shamokin	SH-PA
SSPA	Standing Stone	
SCP	State College	
SCP1	State College	
SSL	Sunset Lake	
TU-PA	Tunkhannock	
TU-	Tunkhannock	TU-PA
UPAO	U. Pittsburgh - Allegheny Obs.	
WAY	Waynesburg	
CMPA		
Rhode Island		
LAF	Lafayette	
South Carolina		
ADSC	Addlestone Acy	
BCS	Baptist College of Charleston	
BOW	Bowman	
CHF	Calhoun Falls	
CCS	Cawcaw Swamp	
CSU	Charleston Southern University	
SCCK	Coley Creek	
CSC	Columbia	SVC
COW	Cow Castle Creek	
CFS	Cross Fire Station	
DRC	Dorchester	
FMF	Francis Marion National Forest	
GVS	Graniteville	
HBF	Harts Bluff	
HWD	Hollywood	
JSC	Jenkinsville	
JVW	Jocassee View	
LHS	Liberty Hill	
MGS	Middleton Gardens	
MKC	Moncks Corner	
MTT	Monetta	
MR01	Monticello Reservoir Site 1	
MR10	Monticello Reservoir Site 10	
MR02	Monticello Reservoir Site 2	
MR03	Monticello Reservoir Site 3	
MR04	Monticello Reservoir Site 4	
MR05	Monticello Reservoir Site 5	
MR06	Monticello Reservoir Site 6	
MR07	Monticello Reservoir Site 7	
MR08	Monticello Reservoir Site 8	
MR09	Monticello Reservoir Site 9	
MMCS	Mount Moriah Church	
ZIN	Mount Zion Church	
NHSC	New Hope	
NHS	North Hampton	
VEW	Oceanview	
OSB	Orangeburg	
OSC	Orangeburg	
PRM	Parsons Mountain	
PPS	Pierpont	
PBS	Pigeon Bay	
PBF	Porcher Bluff	
RGRS	Roger Stewart	
ROW	Rowesville	
SGS	Saint George	
SRPW	Savannah River	
SRPN	Savannah River	
SRPD	Savannah River	
SBK	Seabrook	
SMMS	Six Mile Mountain	
SVS	Slandsville	
SMSC	Smeltzer Mountain	
SMA	Summerton	
C1SC	The Citadel Site 1	
C2SC	The Citadel Site 2	
TWB	Tillmans-Whites Bay	
TRSC	Trident Resrch Ctr	
TRK	Turkey Creek	
VRN	Varnville	
VSC	Varnville	
WSS	West Ashley	
WMS	West Middle School	
BG3		
South Dakota		
AY-	Academy	AY-SD
AY-SD	Academy	
J28A	Allard Ranch, Norris	
RSSD	Black Hills	
F25A	Bowman	
CO-SD	Colome	
CO-	Colome	CO-SD
J30A	Dallas	
DL-SD	Dell Rapids	
DL-	Dell Rapids	DL-SD
G27A	Dupree	
EBS	Eagle Butte	
J27A	Elkhorn Farm, Martin	
ECSD	EROS Data Center, Sioux Falls	
F29A	Eureka	
H26A	Fairpoint	
G30A	Faulkton	
H25A	Fruitdale	
G29A	Hoven	
H27A	Howes	
LEA	Lead	
F27A	Lemmon	
F30A	Leola	
F26A	Lodgepole	
G26A	Maurine	
F28A	McLaughlin	
I28A	Midland	
BRSD	Miller	
H28A	Mission Ridge	
MC-SD	Mitchell	
MC-	Mitchell	MC-SD
G25A	Newell	
I26A	New Underwood	
I30A	Oacoma	
J29A	Okreek	
H29A	Onida	
G28A	Parade	
I27A	Quinn	
RCD	Rapid City	
RG-SD	Redig	
RG-	Redig	RG-SD
I25A	Rochford	
SX-SD	Salem	
SX-	Salem	SX-SD
J26A	Sides Ranch, Smithwick	
SUSD	South Dakota State University	
SY-SD	Stickney	
SY-	Stickney	SY-SD
J25A	Sunshine Ranch, Edgemont	
I29A	Vivian Onida	
WN-SD	Winner	
WN-	Winner	WN-SD
Tennessee		
ANTN	Anderson	
ACTN	Antioch Church	
ARPT	Arp	
ABTN	Auburntown	
ASTN	Avondale Springs	
BCRT	Bacon Ridge	
BSPT	Big Springs	
BFMT	Birchfield Mountain	
BHT	Blowhole	
BBTN	Blue Bank Bayou	
BRTN	Brown Mountain	
BKHT	Bunker Hill	
CA-	Caryville	CA-TN
CA-TN	Caryville	
CV-	Centerville	CV-TN
CV-TN	Centerville	
CUET	Cent US Eq Cons	
CBHT	Chr Bro Hi School	
CBT	Christianburg	
CHTN	Church Hills	
CSPT	Cold Springs	
COTN	Columbia	
CRTN	Comb Ridge	
CPCT	Cooper Cave	
CVTN	Covington	
CCRT	Cow Camps Rge	
CS-TN	Crossville	
CS-	Crossville	CS-TN
CGTN	Cumberland Gap	
CPO5	Cumberland Plat.	CPOT
RSCP	Cumberland Plateau	
CPO	Cumberland Plateau	
CPOT	Cumberland Plateau	
CP-SO	Cumberland Plateau Observatory	
DYTN	Dayton	
DCT	Ducktown	
DY1	Dyersburg	
DRTN	Dyersburg	
EBZ	Ebenezer Church	
EDIT	Edith	
ETT	Etowah	
FGTN	Flat Gap	
FLPT	Flippin	
FPST	Four Points	
GLT	Gallatin	

Code	*Station Name*	*Other*
GLAT	Glass	
GRT	Gratio	
GBTN	Greenback	
GRBT	Greenback	
GTTN	Green Top	
HALT	Halls	
HDBT	Hernando Brdge	
HOPT	Hopper	
HHT	Hurricane Hollow	
JS-	Jackson	JS-TN
JS-TN	Jackson	
HPKT	Knoxville	
LF-	La Follette	LF-TN
LF-TN	La Follette	
DY2	Lassiter	
LTN	Lennox	
LNXT	Lenox	
LE-TN	Lewisburg	
LE-	Lewisburg	LE-TN
LMTN	Little Mountain	
LRKT	Look Rock	
MX-TN	Manchester	
MX-	Manchester	MX-TN
MVLT	Maryville	
MM-	McMinnville	MM-TN
MM-TN	McMinnville	
MPH	Memphis	
MET	Memphis--Engineering Building	
MILT	Milan	
MLNT	Millington	
MFTN	Millsfield	
MIST	Miston	
MOTN	Model	
NKT	Nankipoo	
NATN	Natchez Trace	
NAIN	Natchez Trace	
DY5	Near Lassiter	
NAIT	NWS Agricenter	
OKG	Oak Grove	
ORT	Oak Ridge	
OGTN	Old Graveyard	
ONTN	Oneida	
OHTN	Owl Hoot	
PB-	Parsons	
PB-TN	Parsons	
PDTN	Piedmont	
RALT	Raleigh	
RHT	Red Hill	
RDST	Rhodes College	
RCT	Riceville	
DY4	Samburg	
SHTN	Sandy Hook	
SWTN	Sewanee	
SWET	Sewanee	
SFTN	Shelby Forest	
SMTN	Short Mountain	
SLTN	Sullivan	
GILT	SW Tenn Gill Cnt	
TZTN	Tazewell	
TLT	Tellico Plains	
TCT	Tennessee City	
TIPT	Tiptonville	
DY3	Tiptonville	
TSTN	Townsend	
TQTN	Tranquillity	
TKL	Tuckaleechee Caverns	
UGRT	Union Grove	
UTM	University of Tennessee at Martin	
UTMT	University of Tennessee at Martin	
UTMA	University of Tennessee at Martin	
VHTN	Van Hill	
WT-TN	Wartburg	
WT-	Wartburg	WT-TN
WVT	Waverly	
WMTN	White Oak Mountain	
HDAR	W Memph W Sta	
WYBT	Wynnburg	
ZZT	Zu Zu	
Texas		
ABTX	Abilene, Hawley	
AZ-	Amarillo	AZ-TX
AMTX	Amarillo	
AZ-TX	Amarillo	
W29A	Amraillo	
433A	Art	
ATX	Austin	
AUS	Austin	
430A	Baggett Ranch, Ozona	
BM-	Balmorhea	BM-TX
BM-TX	Balmorhea	
327A	Balmorhea Ranch, Pecos	
536A	Bastrop	
BUTX	Baylor University	
325A	Bean Ranch, Sierra Blanca	
835A	Beeville	
934A	Benavides	
626A	Big Bend Ranch, Presidio	
628A	Black Gap, Marathon	
534A	Blanco	
MT1	Boracho Peak	
MT4	Brite Ranch	
340A	Bronson	
231A	Bronte	
229A	Bryant Ranch, Stanton	
139A	Bunkhouse Ranch, Marshall	
434A	Burnet	
326A	Caldwell Ranch, Toyah	
CGTX	Campo Grande	
128A	Castleberry Farm, Seminole	
439A	Center Grove, Livingston	
337A	Centerville	
V28A	Channing	
833A	Chaparral WMA, Artesia Wells	
CEC	Childress 1	
CNE	Childress 2	
CNO	Childress 3	
CNW	Childress 4	
CSE	Childress 5	
CSW	Childress 6	
CWT	Childress 7	
634A	China Grove, San Antonio	
736A	Circle Diamond K Ranch, Victoria	
234A	Clairette	
X30A	Coker Ranch, Turkey	
232A	Coleman	
Z34A	Collier Ranch, Chico	
CMTX	Cooper Mountain	
224A	Cornudas Mountain, Dell City	
MNTX	Cornudas Mountains	
528A	Cox Ranch, Sanderson	
W30A	Crocket Farms Inc., Mclean	
338A	Crockett	
539A	Cross D Ranch, Liberty	
535A	Dale	
DAL	Dallas	
DLS	Dallas	
V27A	Dan Oppiter Farms, Dalhart	
429A	Davenport Ranch, Sheffield	
DNT	Denton	
X28A	Dimmitt	
733A	Divot King Ranch, Dilley	
EF-	Eagle Flat	EF-TX
EF-TX	Eagle Flat	
637A	Eagle Lake	
MT2	Eagle Mountain	
EO2TX	Elmo	
EP-	El Paso	EP-TX
EPT	El Paso	
EP-TX	El Paso	
035A	Encino	
136A	Ennis	
832A	Faith Ranch, Carrizo Springs	
738A	Farr-Stevens Ranch, Sargent	
FMTX	Flower Mountain	
SFTX	Fort Shafter	
FO-	Fort Stockton	FO-TX
FO-TX	Fort Stockton	
FRTX	Fuller Ranch	
GL-	Garland	GL-TX
GL-TX	Garland	
239A	Gary	
GA2TX	Grand Saline	
GA-TX	Grand Saline	
GA3TX	Grand Saline	
GV-	Grapevine	GV-TX
GV-TX	Grapevine	
537A	Green Hill Farm, Brenham	
GRI*	Grit	GR1TX
GR2	Grit	GR2TX
GR2TX	Grit	
GR1TX	Grit	
133A	Hamilton Ranch, Breckenridge	
035Z	Hargill	
538A	Harpers Horsepen, Conroe	
Z32A	Haskell	
427A	Hayter Ranch, Fort Stockton	
034A	Hebbronville	
HE-	Hempstead	HE-TX
HE-TX	Hempstead	
137A	Heron Place, Grans Saline	
Y33A	Hilltop Ranch, Iowa Park	
HKT	Hockley	
HOU	Houston	
HET	Houston--Electro-Tech	
Z29A	Hungry Hill Ranch, Wilson	
339A	Huntington	
425A	Indio Mountain, Van Horn	
238A	Jacksonville	
435B	Jarrell	
435A	Jarrell	
530A	J-C Ranch, Comstock	
734A	JLa Parita Creek, ourdanton	
JRTX	Jordan Ranch	
JCT	Junction City	
JU-	Juno	JU-TX
JU-TX	Juno	
236A	Katherine and Luke Keathley, Corsicana	
735A	Kenedy	
KIE	Kermit	
KIT	Kermit	
KKT	Kermit	
KME	Kermit	
KM2	Kermit	
KM3	Kermit	
KM6	Kermit	
KM9	Kermit	
KTE	Kermit	
KTT	Kermit	KIT
KTX	Kermit	
KM5	Kermit	
533A	Kerrville	
428A	Kincaid Ranch, Fort Stockton	
KVTX	Kingsville	
440A	Kirbyville	
LTX	Lajitas	
TXAR	Lajitas Array Beam Reference Point	
TX10	Lajitas Array Site 10	
TX02	Lajitas Array Site 2	
TX03	Lajitas Array Site 3	
TX04	Lajitas Array Site 4	
TX05	Lajitas Array Site 5	
TX06	Lajitas Array Site 6	
TX07	Lajitas Array Site 7	
TX08	Lajitas Array Site 8	
TX09	Lajitas Array Site 9	
TX31	Lajitas Ar. Site	
TX00	Lajitas Ar. Site	
LTB3	Lajitas B3	TX04
WHTX	Lake Whitney	
LP-	La Pryor	LP-TX
LP-TX	La Pryor	
933A	Laredo	
732A	Laxson Ranch, Crystal City	
635A	Leesville	
334A	Lometa	
LUB	Lubbock	
U28A	Mallet	
MTX	Marathon	
526A	Mary Lane Ranch, Marfa	
138A	Matatall Enterprise, Big Sandy	
MOT1	McDonald Obs.	
MOT2	McDonald Obs.	MT2
MOT3	McDonald Obs.	
MOT4	McDonald Obs.	
MOT	McDonald Observatory	
426A	McDonald Observatory, Fort Davis	
Y28A	McKinney Farm, Littlefield	
432A	Menard	
330A	Mertzon	
MSUEL	Midwestern State University	
MT3	Miller Ranch	
332A	Millersview	
335A	Moody	
324A	Moseley Ranch, Sierra Blanca	
MSTX	Muleshoe	
NATX	Nacogdoches	
NSLM	New Salem	
936A	North Padre Island, Corpus Christi	
U29A	Oasis Ranch, Spearman	
Z35A	Perchaven, Sanger	
631A	Perdido Creek Ranch, Del Rio	
437A	Phaontom Ranch, North Zulch	
RFTA	Plano	
Y29A	Porterfield Farm, Petersburg	
737A	Port Lavaca	
PO-	Post	PO-TX
PO-TX	Post	
PRST	Prospect	
Y31A	Rekieta Farm, Paducah	
333A	Richland Springs	
336A	Riesel	
233A	Rising Star	
131A	Roby	
532A	Rocksprings	
531A	Rocksprings	
Y32A	R-V Farms, Vernon	
633A	Saathoff Ranch, Hondo	
438A	Sam Houston State University, Huntsville	
SA2	San Angelo	SA2TX
SA2TX	San Angelo	
331A	San Angelo	
SA4	San Angelo	SA4TX
SA4TX	San Angelo	
SS-TX	Sanderson	
SS-	Sanderson	SS-TX
Z30A	Sanderson Ranch, Post	
SJ-TX	San Jose	
SJ-	San Jose (USA)	SJ-TX
SM-	Seymour	SM-TX
SM-TX	Seymour	
SK-TX	Shamrock	
SK-	Shamrock	SK-TX
Z31A	Sharp Cattle Ranch, Aspermont	
SB1	Sierra Blanca Array Site 1	
SB2	Sierra Blanca Array Site 2	
SB3	Sierra Blanca Array Site 3	
636A	Smothers Creek Ranch, Hallettsville	
130A	Snyder	
431A	Sonora	
V30A	Spur Ranch, Miami	
Y30A	Stafford Cattle Company, Roaring Springs	
230A	Sterling City	
529A	Stev Forest Ranch, Sanderson	
129A	Stewart Farms, Lamesa	
V29A	Stinnett	
ST1	Streeter	ST1TX
ST2	Streeter	ST2TX
ST2TX	Streeter	
ST4TX	Streeter	
ST1TX	Streeter	
ST4	Streeter	ST4TX
627A	Terlingua Ranch, Terlingua	
U27A	Thompson Grove	
834A	Tilden	
TTX	Tres Cuevas	
Z28A	Tucker Farm, Meadow	
X29A	Tulia	
228A	UT Block 9, Goldsmith	
632A	Uvalde	
W28A	Vega	
135A	Vickery Place, Crowley	
540A	Vidor	
329A	Wagon Wheel Ranch, Midkiff	
436A	Wall Ranch, Gause	
237A	Washetta, Montalba	
Z33A	Whitaker Ranch, Olney	
134A	White-Moore Ranch, Lipan	
WP-TX	Wills Point	
527A	Woodward Ranch, Alpine	
328A	Wristen Ranch, Grandfalls	
ZAV	Zavalia	
CCUT	Cedar City	
EVIN	Evansville	
HAIL	Harrisburg (Southeastern Illinois College)	
LTL	Livingston	
OLIL	Olney	
Utah		
AAU	Alta	
AMF	American Fork	
ANU	Antelope Island	
ARUT	Antelope Range	
ARGU	Argyle Ridge	
BAP	Bailey Peak	
BTU	Barney Top	
P13A	Bates Ranch, Gandy	
BCU	Bear Canyon	
BHUT	Beaver	
BVK	Beaver Lake	
BKU	Beaver Lake Mountains	
BDU	Big Dutch Hollow	
BGU	Big Grassy Mountain	
BIU	Bingham Canyon	
BMUT	Black Mountain	
S17A	Black Ridge (BLM), Bullfrog Basin	
BX-UT	Blanding	
BX-	Blanding	BX-UT
BHU	Blowhard Mountain	
BCE	Book Cliffs East	
BPU	Bountiful Peak	
BCUT	Brigham City	
BYU	Brigham Young University	
BRUT	Bromley	
BBUT	Bumble Bee	
P17A	Butcher Ranch, Price	
CTU	Camp Tracy	
CWU	Camp Williams	
R18A	Canyonlands National Park, Moab	
Q16A	Castle Valley Ranch, Emery	
CVH	Cedar City	
S14A	Cedar City	
CCU	Cedar City	
IAE	Cedar City, Iron County	
CCPU	Cedar City Park	
CVE	Cedar Cove	
CMU	Cedar Mountain	
CPU	Coon Peak	
CFU	Cove Fort	
R19A	Curley Farm, La Sal	
DAU	Daniels Canyon	
DCU	Deer Creek Reservoir	
DBD	Des Bee Dove	
P14A	Drum Mountains (BLM), Topaz	
DWU	Dry Willow Peak	
DCM	Dugout Coal Mine	
DUG	Dugway	
EPU	East Promontory	
ETU	East Traverse Mountains	
ELU	Electric Lake	
EMUT	Emma Park	
Q15A	Fillmore	
FM-	Fillmore	FM-UT
FM-UT	Fillmore	
FSU	Fish Springs	
FGU	Flaming Gorge	
FLA	Flat	
FLU	Fool Peak	
FDU	Ford Ridge	
P16A	Fountain Green	
FPU	Francis Peak	
GRD	Gardner Farm	
GMU	Granite Mountain	
N14A	Grayback Hills BLM, Clive	
GZU	Grizzly Peak	
GSUT	Gun Site Peak	
HLJ	Hailstone	
R17A	Hanksville Airport, Hanksville	
HVU	Hansel Valley	
HWUT	Hardware Ranch	
HRUT	Hardware Ranch	HWUT
S19A	Harvey Farm, Monticello	
HEB	Heber	
HMU	Henry Mountain	
O13A	Hicks Ranch, Ibapah	
Q19A	Hogan Spring (BLM), Cisco	
HRU	Hogsback Ridge	
HFSU	Holladay Fire Station, Holladay, Utah	
S13A	Holt Ranch, Enterprise	
HONU	Honeyville	
HCU	Horse Canyon	
HTU	Hoyt Peak	
M16A	Huntsville	
HHS	Hurricane	
T14A	Hurricane	
S18A	Hurst Farm, Blanding	
HDU	Hyde Park	
ICU	Indian Springs Canyon	
IMU	Iron Mountain	
R14A	James Farms, Milford	
N19A	John Jarvie Ranch (BLM), Flaming Gorge	
JLU	Jordanelle	
R15A	Junction	
KEUT	Kanab	
KN-UT	Kanab	
KN-	Kanab	KN-UT
KNB	Kanab	
KLJ	Keetly	
KDUT	Kidman Hollow	
LDJ	Lady	
LMUT	Lake Mountain	
LMU	Lake Mountain	
LSU	Lake Shores	
N18A	Larsen Ranch, Manila	
M15A	Larsen Ranch, Promontory	
P15A	Leamington	
LDS	Leeds	
LEE	Leeds	
LEVU	Levan	
LVU	Levan Peak	
LCMT	Little Creek Mountain	
LHUT	Little Humpy Peak	
LTU	Little Mountain	
LOG	Logan	
LBUT	Lower Browns Hole	
LWA	Lower Mag Wash	
LSUT	Lucky Star	
MWA	Mag Wash	
MPU	Maple Canyon	
MSU	Marysvale	
MVU	Marysvale	
MGU	Meadow Creek Golf Course	
T18A	Mexican Hat	
MHD	Mile High Drive	
MNU	Milford North	
O19A	Miners Draw (BLM), Jensen	
MMU	Miners Mountain	
MBUT	Moab	
N17A	Moffit Pass	
MCU	Monte Cristo Peak	

Code	Station Name	Other
MTUT	Morton Thiokol	
MOUT	Mount Ogden	
MTPU	Mount Pierson	
NAIU	Northern Antelope Island	
NLU	North Lily Mine	
NMUT	North Mineral Mountain	
NOQ	North Oquirrh Mountains	
NSU	North Stansbury	
OGU	Ogden Bay	
R13A	O'Grain Ranch, Modena	
OWUT	Old Woman Plateau	
OPL	Opal Mound	
PST	Pasture Canyon	
PBU	Perry Basin	
PSUT	Pine Spring	
PKCU	Pink Cliffs	
PUU	Piute Reservoir	
PCY	Pole Canyon	
PTU	Portage	
P18A	Preston Nutter Ranch, Sunnyside	
PCU	Price	
PPU	Promontory Point	
Q18A	Rafter H Ranch, Green River	
RMU	Rainbow Monument	
RBU	Red Butte Canyon	
T15A	Red Dirt Ranch, Kanab	
RDMU	Red Mountain	
RSUT	Red Spur Mountain	
N16A	Rees Ranch, Coalville	
PEUT	Richfield	
RVUT	Riverside	
ROA	Roan Cliffs	
O17A	Robinson Place, Fruitland	
O18A	Roosevelt	
RHU	Roosevelt Hot Springs	
RPF	Rose Park Fire Station, Salt Lake City, UT	
RCJ	Ross Creek	
WDO	Saint George	
T13A	Saint George	
SGIAR	Saint George Infrasonic Array Beam Reference Point	
SGI01	Saint George Infrasonic Array Site 1	SGIAR
SGI02	Saint George Infrasonic Array Site 2	
SAU	Saltair	
SLC	Salt Lake City	
SRU	San Rafael	
SCUT	Santa Clara	
SNQU	Santaquin	
SUU	Santaquin Canyon	
Q14A	Sevier Lake (BLM), Delta	
SCU	Sheep Canyon	
M14A	Sheep Mountain BLM, Rosette	
SZCU	Shurtz Canyon	
SNO	Snow College	
SAIU	Southern Antelope Island	
AIUT	Southern Antelope Island	
SPUT	South Promontory Point	
O16A	Springville	
SQU	Squaw Peak	
SBU	Stansbury Island	
N15A	Stansbury Island BLM, Grantsville	
SNUT	Stansbury North	
SNU	Stansbury North	
SGU	Sterling	
SGSU	St. George Fire Station	
SUN	Sunnyside	
SMU	Sunnyside Mine	
R16A	Teasdale	
O15A	The Old Anderson's Place, Rush Valley	
TCRU	Three Creeks Reservoir	
TCUT	Toone Canyon	
TMUT	Trail Mountain	
UBO	Uinta Basin Array	
CAPU	Utah State Capitol	
VNL	Vernal	
VN-	Vernal	VN-UT
VN-UT	Vernal	
VLU	Vernal	
WW-UT	Wah Wah Mountains	
WW-	Wah Wah Mts	WW-UT
WCO	Washington City	
REUT	Washington Fields	
WBC	Weber Canyon	
WVUT	Wellsville	
S16A	Weppner Ranch, Escalante	
WTU	Western Traverse Mountains	
WMUT	West Mountain	
WMU	West Mountain	
Q13A	Wheeler Ranch, Garrison	
WHU	Wild Horse	
WLD	Wild Horse Canyon	
WLJ	Wildlife	
WCU	Willow Creek	
ZNPU	Zion National Park	
Vermont		
BLVT	Baltimore	
BUR	Burlington	
COV	Colchester	
DVT	Derby	
FLE	Fletcher	FLET
FLET	Fletcher	
HBVT	Hinesburg	
IVT	Ira	
MARL	Marlboro	
MDV	Middlebury	
MGVT	Montgomery	
MPVT	Montpelier	
NRT	Northfield	
VT1	Waterbury	
Virginia		
BV1	Bath County 1	
BV2	Bath County 2	
BV3	Bath County 3	
BV4	Bath County 4	
BI-	Big Stone Gap	BI-VA
BI-VA	Big Stone Gap	
BAV	Blacksburg	
BLA	Blacksburg	
CVVA	Charlottesville	
CLT	Charlottesville	
CTV	Charlottesville	
CVL	Charlottesville	
CVV	Charlottesville	CVL
CI-VA	Clintwood	
CI-	Clintwood	CI-VA
CBN	Corbin	
CNV	Corbin	CBN
CCVA	Cudjo Caverns	
CG-	Cumberland Gap	CG-VA
CG-VA	Cumberland Gap	
ER308	Early Rise 308	
ER309	Early Rise 309	
ER310	Early Rise 310	
ER311	Early Rise 311	
ER312	Early Rise 312	
ER313	Early Rise 313	
ER314	Early Rise 314	
ER315	Early Rise 315	
ER316	Early Rise 316	
ER317	Early Rise 317	
ER318	Early Rise 318	
FRV	Farmville	
FTV	Front Royal	
GSR	Geological Survey, Reston	
GHV	Goochland	
GD-	Grundy	GD-VA
GD-VA	Grundy	
HBV	Harrisonburg	
JSRW	J. Sargeant Reynolds Community College	
KMV	Keen Mountain	
LEX	Lexington	
NAV	Narrows	
NA11	North Anna	
NA12	North Anna	
NA2	North Anna	
NA5	North Anna	
NV1	North Anna 1	
NV2	North Anna 2	
NV3	North Anna 3	
NV4	North Anna 4	
NV5	North Anna 5	
NV6	North Anna 6	
NV7	North Anna 7	
PBV	Petersburg	
PLVA	Point Lookout	
VWV	Potts Mountain	
ELN	Prospectdale	
PUV	Pulaski	
RCRC	Randolf College Riding Center, Lynchburg	
SU-	Schuyler	SU-VA
SU-VA	Schuyler	
URVA	University of Richmond	
VBV	Virginia Beach	
VWCC	Virginia Western Community College	
WMV	Walker Mountain	
Washington		
ALCT	Alcott Elementary School	
ALKI	Alki Wastewater Plant ANSS-SMO	
APW	Alpha Peak	
ALD	Alter Ridge	
F04A	Amboy	
ATES	Arlington Trafton Elementary School	
ACES	Army Corps of Engineers Seattle ANSS	
APM	Augspurger Mountain	
BDG	Badger Mountain	
BABE	Bainbridge School	
BLH	Bald Hill	
BFW	Baw Faw Mountain	
BLL	Bellingham	
RBEN	Benson Hill Elementary School	
BENWA	Benson Ranch	
BVW	Beverly	
BLTW	Bickleton	
BRVW	Black Rock Valley	
BW-WA	Blewett	
BW-	Blewett	BW-WA
BLN	Blyn Mountain	
BEVT	Boeing Everett	
BSFP	Boeing Fire Protection	
BMW	Boistfort Mountain	
C04A	Brinnon	
BRKS	Brookside Elementary School	
B05A	Bryant	
MURR	Camp Murray	
CPW	Capitol Peak	
CC-WA	Cascade Tunnel	
CDFW	Cedar Flats	
CDMR	Cedar Moraine	
CBW	Chelan Butte	
CBSW	Chelan Butte South	
B10A	Chitwood Farm, Usk	
C09A	Chrisman Ranch, Davenport	
D06A	Cle Elum	
KDKW	Coast Env Seattle	
CLW	Colville	
B08A	Colville Reservation, Omak	
CE-WA	Concrete	
CE-	Concrete	CE-WA
CNL	Connel	
CRF	Corfu	
CWZ	Cowlitz River	
CZM	Crazy Man Mountain	
CSEN	Crystal Springs Elementary School	
CMW	Cultus Mountains	
A09A	Danville	
DVW	Davenport	
DPW	Davenport	
E08A	Dider Farm, Eltopia	
D04A	Dobbs Creek Ranch, Lacey	
DHW	Dyer Hill	
DHW2	Dyer Hill 2	
ESD	East Dome	
EARN	East Ridge Elementary School	
ELW	Echo Lake	
ERK	Elk Rock	
EBG	Ellensburg	
EL-WA	Ellensburg	
EL-	Ellensburg	EL-WA
ET3	Eltopia	
ET2	Eltopia	
ETP	Eltopia	
ETW	Entiat	
D05A	Enumclaw	
EPH	Ephrata	
EPW	Ephrata	
EUW	Eureka	
EVCC	Everett College ANSS-SMO	
EVGW	Everett Gateway Middle School ANSS-SMO	
EGRN	Evergreen College	
FTW	Fairmont	
FPW	Fields Point	
FINN	Finn Hill Junior High School	
FL2	Flat Top 2	
FHE	Frenchman Hills East	
GBB	Gable Butte	
GBL	Gable Mountain	
GHW	Garrison Hill	
GTWN	Georgetown Playfield ANSS-SMO	
GLK	Glacier Lake	
GC-	Glacier Peak	GC-WA
GPW	Glacier Peak	
GC-WA	Glacier Peak	
F06A	Goldendale	
GMW	Gold Mountain	
GCW	Grand Coulee	
GSM	Grass Mountain	
SDCO	Great Sand Dunes National Park	
GNW	Green Mountain	
GRCC	Green River Community College BBO	
GULW	Guler Mountain	
HAN	Hanford	
HAWA	Hanford	
HGB	Hanford Gable Butte	
HART	Harbor Island ANSS-SMO	
HTW	Haystack Lookout	
RHAZ	Hazelwood Elementary School	
C08A	Higginbotham Farm, Almira	
HICC	Highline Community College ANSS-SMO	
HOLY	Holy Rosary School	
HDW	Hoodsport	
HHH	Horse Heaven Hills	
HSW	Hot Spot	
HUBA	Hudson Bay High School ANSS-SMO	
NIHS	Ingelmoor High School	
JCW	Jim Creek	
SSS1	John Stanford Center Downhole Anss-SM	
D09A	Jones Farm, Ritzville	
JRO	Jston Ridge Obs	
JLK	June Lake	
KE-WA	Kennewick	
KE-	Kennewick	KE-WA
KNEL	Kent Elementary ANSS-SMO	
KIMB	Kimball Elementary School	
TKCO	King County	
KIMR	Kitsap County Moderate Risk Waste Facility	
KINR	Kitsap County North Road Shed	
KITP	Kitsap County Wastewater Treatment Plant	
KOSW	Kosmos	
LMW	Ladd Mountain	
LVP	Lakeview Peak	
LW-WA	Lake Wenatchee	
LW-	Lake Wenatchee	LW-WA
LSW	Landslide	
LAWT	Lawton Elementary School	
C06D	Leavenworth	
E03A	Lebam	
A04A	Legoe Bay, Lummi Island	
LEOT	Leota Junior High School	
LTY	Liberty	
LOCW	Locke Island	
LON	Longmire	
LCW	Lucas Creek	
A04D	Lummi Island	
LYW	Lyman	
LY-WA	Lynden	
LYNC	Lynnwood City Hall ANSS-SMO	
MNWA	Manchester	
A05A	Maple Falls	
MPL	Maple valley SMO-IDS24	
B06A	Marblemount	
MARYW	Marymoor Park	
MAY	Mayfield	
MJ2	May Junction 2	
MEW	McNeil Island	
MEAN	Meany Midle School ANSS-SMO	
MEGW	Megler CREST BB SMO	
MDW	Midway	
MBPA	Monroe Substation	
ASR	Mount Adams--Stagman Ridge	
MU-WA	Mount Baker	
MBW	Mount Baker	
MCW	Mount Constitution	
ERW	Mount Erie	
FMW	Mount Fremont	
MTMW	Mount Mitchell	
RCM	Mount Rainier--Camp Muir	
RCS	Mount Rainier--Camp Schurman	
REMR	Mount Rainier--Emerald Ridge	
RSU	Mount Rainier--Summit	
RVC	Mount Rainier--Voight Creek	
SHW	Mount Saint Helens	
VALT	Mount Saint Helens Crater	
MSH31	Mount St. Helen	
MSH21	Mount St. Helen	
MSH11	Mount St. Helen	
MXC	Moxie City	
MU-	Mt Baker	MU-WA
E10A	Myers Farm, Uniontown	
NAC	Naches	
NBW	Neah Bay	
NLWA	Neilton Lookout	
NLW	Nelson Butte	
GL2	New Goldendale	
NEW	Newport	
NOWS	NOAA--Sand Point	
A10A	Northport	
OHW	Oak Harbor	
OBSR	Observation Rock	
OCWA	Octopus Mountain	
OOW	Octopus West	
ODS	Odessa	
OD2	Odessa Site #2	
OCP	Olym-Cheeka Pk	
OFR	Olym-F Res Ctr	
OLW	Olympia	
OPC	Olympic Penn College CREST BB SMO	
OBC	Olympics--Bonidu Creek	
OBH	Olympics--Burnt Hill	
OFK	Olympics--Forks	
OLQ	Olympics--Lake Quinault	
ON2	Olympics--North River	
ONR	Olympics--North River	
OSR	Olympics--Salmon Ridge	
OSD	Olympics--Snow Dome	
OSP	Olympics--Sooes Peak	
OTR	Olympics--Tyee Ridge	
OMW	Omak	
E04A	Onalaska	
OT2	Othello	
OTH	Othello	
OT3	Othello 3	
PATW	Paterson	
PAT2	Paterson 2	
F07A	Phinny Hill Vineyards, Prosser	
PIER	Pier 30 Seattle	
PCEP	Pierce County East Precinct	
PCFR	Pierce County Firing Range	
PCMD	Pierce County Mountain Detachment	
PNLK	Pine Lake Middle School	
PH-WA	Pomeroy	
B04A	Port Angeles	
PGW	Port Gamble	
PRW	Prosser	
PSNS	PSNS Bremerton SMO	
PAYL	Puyallup School ANSS-SMO	
QAW	Queen Anne	
C03A	Quillayute Airport, Forks	
D07A	Quincy	
RAFT	RAFT	
RAIO	Rainier	
E05A	Randle	
RWW	Ranney Well	
RSW	Rattlesnake Hills	
RMW	Rattlesnake Mountain	
RAW	Raver	
REDWA	Red Mountain	
REMW	Rembrandt	
B09A	Rice	
RCW	Richland	
RRHS	Rochester High School	
RPW	Rockport	
RPK	Roosevelt	
RVW	Rose Valley	
ROSS	Ross	
RC1	Royal City	
SDL	Saddle Mountain	
SAW	Saint Andrews	
P403	Sandy Floe Quarry	
STT	Seattle	
SEA	Seattle	
SEND	SEND	
SEPW	September Lobe	
SQM	Sequim	
SPW	Seward Park	
SP2	Seward Park 2	
SCW	Sherman Crater--Mount Baker	
SCCW	Shoreline CC	
SBES	Silver Beach Elementary School	
SVOH	Skagit Valley Community College ANSS SMO	
SYR	Smyrna	
SNIWA	Snively Ranch	
SOSW	Source of Smith Creek	
SMW	South Mountain	
HSR	South Ridge	
SWFL	Southwest Flank Mount Saint Helens	
SWID	South Whidbey SD ANSS-SMO	
C10A	Spilker Farm, Colbert	
SPN5	Spine 5 MSH Spider	
SPO	Spokane	
SNIO	Spokane Nat. Inst. Occ. Safety SMO	
SFER	Spokane Schools, Ferris High School ANSS-SMO	
SHLY	Spokane Temp K2 (Swanson)	
STW	Striped Peak	
STD	Studebaker Ridge	
BOLM	Sugar Bowl	
SLFW	Sugar Loaf	
SMNR	Sumner High School ANSS-SMO	
E07A	Sunnyside	
TBM	Table Mountain	
TBPA	Tacoma Substation	
C06A	Tall Timber Ranch,	

	Leavenworth	
TWW	Teanaway	
TTW	Tolt Reservoir	
C05A	Tolt Reservoir	
TK-WA	Tonasket	
TK-	Tonasket	TK-WA
TRW	Toppenish Ridge	
TDL	Tradedollar Lake	
TUM	Tumwater	
A08A	Turner Farm, Oroville	
SVTR	Two Rivers School, Snoqualmie Valley	
UPS	University of Puget Sound	
UWFH	University of Washington Friday Harbor	
VTG	Vantage	
VT2	Vantage 2	
VVHS	Vashon High School SMO	
D10A	Wagner Farm, Oakesdale	
WAH	Wahluke	
WAH2	Wahluke Slope	
WWHS	Walla Walla High School ANSS SMO	
WGW	Wallila Gap	
WG3	Wallula Gap	
WG2	Wallula Gap	
WRD	Warden	
H2OWA	Water	
WTV	Waterville	
C07A	Waterville	
WNS	Wenas	
WNW	Wenatchee	
WEN	Wenatchee	WNW
WRW	Wenatchee Ridge	
WBL	White Bluff	
WPW	White Pass	
F05A	White Salmon	
WISC	Wilburton Instructional Services Center	
WBW	Wilson Butte	
B07A	Winthrop	
WISH	Wishkah	
D03A	Wishkah Elem. School, Wishkah	
D08A	Wollman Farm, Schrag	
WIW	Wooded Island	
E09A	Wood Farm, Starbuck	
YA-WA	Yakima	
YA-	Yakima	YA-WA
YA2	Yakima	
YAKW	Yakima	
E06A	Yakima	
YPT	Yellepit	
YEL	Yellow Rock	
West Virginia		
AB-WV	Amboy	
AB-	Amboy	AB-WV
BL-	Beckley	BL-WV
BL-WV	Beckley	
BZ-WV	Buckhannon	
BZ-	Buckhannon	BZ-WV
CX-WV	Craigsville	
CX-	Craigsville	CX-WV
ER306	Early Rise 306	
ER307	Early Rise 307	
FWV	Forest Hill	
FN-	Franklin	FN-WV
FN-WV	Franklin	
GBV	Green Bank	
HWV	Hinton	
MCWV	Mont Chateau	
MRG	Morgantown	
PX-WV	Philippi	
PX-	Philippi	PX-WV
PE-	Pineville	PE-WV
PE-WV	Pineville	
PWV	Princeton	
RN-WV	Rainelle	
RN-	Rainelle	RN-WV
Wisconsin		
AO-	Argonne	AO-WS
AO-WS	Argonne	
AR-	Aurora	AR-WS
AR-WS	Aurora	
BA-	Baldwin	BA-WS
BA-WS	Baldwin	
CF-WS	Colfax	
CF-	Colfax	CF-WS
COWI	Conover	
CN-WS	Cornell	
CN-	Cornell	CN-WS
JFWS	Jewell Farm	
MDS	Madison	
MF-WS	Medford	
MF-	Medford	MF-WS
MLW	Milwaukee	
NG-	Niagara	NG-WS
NG-WS	Niagara	
RL-	Rib Lake	RL-WS
RL-WS	Rib Lake	
RLW	Rice Lake	
TM-WS	Tomahawk	
TM-	Tomahawk	TM-WS
UWM	University of Wisconsin at Milwaukee	
Wyoming		
I22A	9 Mile Ranch, Kaycee	
K19A	Absolon Red Butte, Lander	
K21A	Alcova	
ALPW	Alpine	
K24A	Anderson Ranch, Keeline	
ANGW	Angle Mountain	
AVOW	Apres Vouz Peak	
BEAW	Beaver Mountain	
YPBE	Bechler	
H21A	Big Horn, Sheridan	
I21A	Big Trails, Ten Sleep	
BDW	Boulder	
PD06	Boulder Array	BW06
BW06	Boulder Array Site 6	
K23A	Bowen Ranch, Douglas	
YPBR	Bridge Bay	
J17A	Brown Place, Jackson	
YPCJ	Canyon Junction	
CJW	Canyon Junction	
K22A	Casper	
M22A	Cedar Creek Ranch, Saratoga	
CY-	Cheyenne	CY-WY
M24A	Cheyenne	
CY-WY	Cheyenne	
H23A	Clabaugh Cattle Company, Gillette	
H22A	Clearmont	
L17A	Cokeville	
COLW	Colter Canyon	
J19A	Crowheart	
I18A	Diamond G Ranch, Dubois	
J23A	Dilts Ranch, Bill	
H24A	Dirks Ranch, Alva	
J24A	Dixon Ranch, Lance Creek	
YPEE	East Entrance	
L22A	Ellis Ranch, Medicine Bow	
L19A	Farson	
FLWY	Flagg Ranch	
L18A	Fontenelle, Green River	
FXWY	Fox Creek	
K17A	Gardner Place, Afton	
L23A	Garrett	
TARW	Grand Targhee Resort	
YPGV	Grant Village	
H17A	Grant Village	
H20A	Greybull	
HK-	Hawk Springs	HK-WY
HK-WY	Hawk Springs	
HAYW	Haystack Fork	
YHH	Holmes Hill	
YPHS	Hot Springs Basin	
IMW	Indian Meadow	
JLDW	Jackson Lake Dam	
YJC	Joseph's Coat	
KSWY	Kelly School	
J18A	Kendall Valley, Cora	
I24A	Kuemmerle Ranch, Upton	
LKWY	Lake	
YPLB	Lake Butte	
YPLA	Lake Butte	
YPLK	Lake Junction	
LAR	Laramie	
M23A	Laramie	
YLT	Little Thumb Creek	
LOHW	Long Hollow	
M18A	Lyman	
J21A	Lysite	
MJW	Madison Junction	
YMR	Madison River	
MHS	Mammoth Hot Springs	
YMV	Mammoth Vault	
YMC	Maple Creek	
YML	Mary Lake	
YPML	Mary Lake	
I23A	Meade Ranch, Gillette	
I19A	Meeteetse	
J22A	Midwest	
YMP	Mirror Lake Plateau	
MOOW	Moose Ponds	
YMS	Mount Sheridan	
MVW	Mud Volcano	
YNB	Natural Bridge	
NJW	Norris Junction	
YNR	Norris Junction	
YPOF	Old Faithful	
YFT	Old Faithful	
PACW	Pacific Creek	
M25A	Palm-Egli Farm, Albin	
YPPC	Pelican Cone	
I17A	Pilgrim Ck.	
PHWY	Pilot Hill	
PHWY1	Pilot Hill -- Preliminary Site	
PI3	Pinedale	
PI4	Pinedale	
PI5	Pinedale	
PI6	Pinedale	
PIN	Pinedale	
PI1	Pinedale	
PI-WY	Pinedale	
PI2WY	Pinedale	
PI7	Pinedale	
PI-	Pinedale	PI-WY
PI2	Pinedale	
PDAR	Pinedale Array Beam Ref. Point	
PD01	Pinedale Array Site 1	
PD10	Pinedale Array Site 10	
PD11	Pinedale Array Site 11	
PD12	Pinedale Array Site 12	
PD13	Pinedale Array Site 13	
PD02	Pinedale Array Site 2	
PD03	Pinedale Array Site 3	
PD31	Pinedale Array Site 31	PDAR
PD04	Pinedale Array Site 4	
PD05	Pinedale Array Site 5	
PD07	Pinedale Array Site 7	
PD08	Pinedale Array Site 8	
PD09	Pinedale Array Site 9	
PDIAR	Pinedale Infrasonic Array Beam Reference Point	
YPP	Pitchstone Plateau	
PM-WY	Pole Mountain	
PMW	Pole Mountain	
PM-	Pole Mt.	PM-WY
H19A	Powell	
YPM	Purple Mountain	
RAMW	Rammel Mountain	
RWWY	Rawlins	
L21A	Rawlins	
REDW	Red Top Meadow	
M19A	Rock Springs	
M17A	Scullys Gap (BLM), Evanston	
M21A	Separation Peak, Rawlins	
H18A	Shoshone NF, Cody	
J20A	Shoshoni	
SNOW	Snow King Mountain	
YPSB	Soda Butte	
YPSE	South Entrance	
STEW	Steamboat Mountain	
M20A	Sweetwater, Wamsutter	
TPAW	Teton Pass	
YTP	The Promontory	
TL-WY	Thermopolis	
K18A	Toltan Ranch, Big Piney	
YTC	Trail Creek	
TRXW	Triangle-X Ranch	
YPTB	Twin Buttes	
WUWY	Wally Ulrich	
L20A	Wamsutter	
WTW	West Thumb	
L24A	Wheatland	
I20A	Worland	
WY0	Wyoming Array	WYO
WYO	Wyoming Array	
K20A	Yellowstone Ranch, Lander	

Washington

I56US	NEWPORT INFRASONIC ARRAY REFERENCE POINT	

PACIFIC OCEAN/OCEANIA

Caroline Islands

I39PW	PALAU INFRASONIC ARRAY REFERENCE POINT	

Cook Islands

MNHK	Manihiki	
NUE	Niue	
RAR	Rarotonga	
TG-	Tongareva I.	TG-IS
TG-IS	Tongareva Island	

Fiji

BQA	Beqa	
MBU	Bua	
NDE	Delaikoro	
NGA	Galoa	
KDV	Kandavu Island	
KRO	Koro	
LBSA	Labasa	
MGO	Magodro	
MSV	Monasavu	
NAF	Naboro	
NDF	Nadi	
NMS	Namosi	
NAS	Nasaqa	
NHF	Nausori Highlands	
GAU	Ngau Island	
MSVF	Nonsavu	
OVA	Ovalau	
SGE	South Ridge	
SUV	Suva	
SVA	Suva	
TVI	Taveuni	
UDU	Undu Point	
NMF	Viti Levu	
VDW	Vunidawa	
VUN	Vunikawai	
YSA	Yasawairara	

French Polynesia

Gambier Islands		
RKT	Rikitea	
Moorea		
AFR	Afareaitu	
Society Islands		
MEH	Mehetia	
TIAR	Tiarei	
Tahiti		
PAE	Paea	
PPTF	Pamatai, Papeete	
PPT	Papeete	
THT	Papeete	
PPT2	Papeete2	
PPN	Papenoo	
TAH	Tahiti	
TVO	Taravao	
Tuamotu		
AMN	Amanu	
FRT	Faratahi	
NAE	Nake (Tuamotu)	
OTP	Otepa	
PMO	Pomariorio	
PMOR	Pomariorio Reef	
RUV	Rauvai	
TPT	Tiputa	
VAH	Vaihoa	
Tubuai		
TBI	Tubuai	

Johnston Island

JOHN	Johnston Island	
JN-IS	Johnston Island	

Kiribati

XMAS	Kiritimati	
Kiribati (Gilbert Islands)		
TARA	Tarawa	
Line Islands		
FAN	Fanning Island	
JN-	Johnston I.	JN-IS
PR-	Palmyra I.	PR-IS
PR-IS	Palmyra Island	
Phoenix Islands		
KNTN	Kanton	

Mariana Islands

AGRI	Agrihan Island	
ALMG	Alamagan	
ANAT	Anatahan	
ANA2	Anatahan	
AFOK	Anatahan S. Rim	
GUA	Guam	
GUAM	Guam	
GUMO	Guam	
NMCC	Northern Marianas College	
PAGN	Pagan	
PAGV	Pagan Volcano	
PJG	Potts Junction	
SAPN	Saipan	
SARN	Sarigan	

Marquesas archipelago

I21FR	MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	
TAOE	Nuku Hiva Island	

Marshall Islands

EW-	Eniwetok	EW-IS
EW-IS	Eniwetok	
KWAJ	Kwajalein Atoll	

Micronesia

Caroline Islands		
PATS	Pohnpei	
TRU	Truk	

New Caledonia

Loyalty Islands		
LIFNC	LIFOU	
OUA	Ouanaham	
KOU	Koumac	
PLUM	Mont Dore	
DZM	Mont Dzumac	
MVNO	Noumea	
NORM	Noumea	
LASL	Noumea	
ONTRN	Noumea	
NOU	Noumea	
NOC	Noumea	
NOUC	Port Laguerre	
I22FR	PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	
BAYA	Yate Dam	

North Pacific Ocean

Guatemala Basin		
GB02	Guatemala Basin O.B.S. 2	
GB03	Guatemala Basin O.B.S. 3	
GB04	Guatemala Basin O.B.S. 4	
GB05	Guatemala Basin O.B.S. 5	
GB06	Guatemala Basin O.B.S. 6	
GB07	Guatemala Basin O.B.S. 7	
GB08	Guatemala Basin O.B.S. 8	
GB01	Guatemala OBS 1	
H2O	Hawaii-2 Observatory	

Palau

Caroline Islands		
KOR	Koror	
PLA	Palau	
PALU	Palau	

Papua New Guinea

Solomon Islands		
AUK	Auki	
GIZ	Gizo	
HNR	Honiara	
LBT	Labete	
PIV	Piva	
RKS	Reko	
SVO	Savo	
VSG	Visale	

Pitcairn Island

PTCN	Pitcairn Island	

Samoa Islands

AFI	Afiamalu	
API	Apia	

Tahiti

I24FR	TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	

Tonga

NIU	Niumate	
NUK	Nuku'alofa	
TEK	Teekin	
TNGT	Tongatapu	
VAVA	Vava'u	

Tuvalu (Ellice Islands)

FUNA	Funafuti	

U.S.A.

Midway Islands		
MDY	Midway	
MIDW	Midway	

Vanuatu

BKM	Butte a Klehm	
DVP	Devils Point	
EME	Emae	
EPI	Epi	
INH	Isangel	
LMP	Lamap	
LNR	Lonorore	
LUG	Luganville	
MBV	Mont Bernier	
PVC	Port Vila	
RTV	Rentapao	
SWB	Southwest Bay	
TANV	Tanna	
VLN	Vanua Lava	

Wake Island

WKE	Wake	
WAKE	Wake Island	

SOUTH AMERICA

Argentina

TRQA	Tornquist	
Buenos Aires		
BAA	Buenos Aires	
CCR	Chacarita	
LPA	La Plata	
VBA	Sierra Ventana	
Catamarca		
ANL	Andalgala	
CYA	Choya	
Chubut		
TRWA	Trelew	
Cordoba		
BOS	Bosque Alegre	
PIL	Pilar	
TCA	Tanti	
Jujuy		
HJA	Humahuaca	
JUJ	Jujuy	
LQA	La Quiaca	
ASTB	Santa Barbara	
YJA	Yavi	

Code	Station Name	Other
AZAP	Zapla	
La Rioja		
ACHE	Chepes	
CCT	Chilecito	
RTPR	Patquia	
AVFE	Valle Fertil	
VCA	Vinchina	
Mendoza		
AAGR	Agrelo	
MAA	Manantiales	
MDZ	Mendoza	
MEN	Mendoza	
ASAL	Salagasta	
RFA	San Rafael	
AUSP	Uspallata	
AVIZ	Vizcacheras	
Misiones		
EDMA	Eldorado	
Neuquen		
CANA	Caviahue	
Patagonia		
COYC	Coyhaique	
SCA	Santa Cruz	
Rio Negro		
CIP	Cipolletti	
PLCA	Paso Flores	
Salta		
FSA	Cafayete	
ALUM	Lumbreras	
SLT	Salta	
SLA	San Lorenzo	
TSA	Tranquitos	
San Juan		
RTBS	Barreal	
BCO	Cerro Blanco	RTCB
RTCB	Cerro Blanco	
ACCO	Cerro Coronel	
CEN	Cerronegro	
VAA	Cerro Valdivia	RTCV
RTCV	Cerro Valdivia	
RTLL	Cerro Villicun	
CFA	Coronel Fontana	
CFAA	Coronel Fontana	
ACDV	Cuesta del Viento	
HLN	Hualilan	
RTLS	Leoncito	
LEO	Leoncito	
AMAR	Marayes	
RTMQ	Marquesado	
AMLC	Mogote Corralitos	
PPA	Pie de Palo	
AROD	Rodeo	
RTRS	Rodeo	
SJA	San Juan	
ZON	Zonda	
San Luis		
ACAN	Cantantal	
MRA	San Martin	
Santa Fe		
HSFA	Helvecia	
Santiago del Estero		
SDE	Santiago Estero	TPA
TPA	Tala Pozo	
Tierra del Fuego		
DSPA	Despedida	
TRVA	Ter de Rio Valdez	
USHA	Ushuaia	
USHU	Ushuaia	
Tucuman		
AHML	Horco Molle	
TCM	Tucuman	
Bolivia		
CNCB	Chanca	
CCH	Cochabamba	
DSG	Desaguadero	
LZ-BV	La Paz	
LPAZ	La Paz	
LPB	La Paz	
LZ-	La Paz	LZ-BV
I08BO	LAS PENAS INFRASONIC ARRAY REFERENCE POINT	
MOCB	Mochara	
PNS	Penas	
RTA	Riberalta	
SMB	Samaipata	
LPZ	San Calixto	
SIV	San Ignacio	
SCS	Sicasica	
SUC	Sucre	
TRJ	Tarija	
TPZ	Tupiza	
ZLP	Zongo (La Paz)	ZOBO
ZOBO	Zongo (La Paz)	
Brazil		
Acre		
RIOB	Rio Branco	
Alagoas		
XIN	Xingo	
Bahia		
PDCR	Pedra do Cavalo	
SOB3	Sobradinho	
SOB1	Sobradinho	
SOB2	Sobradinho	
SOB4	Sobradinho	
SOB	Sobradinho	
AREB	Areado	
CMPB	Campos	
FNDO	Fernando de Noronha	
NATB	Natividade	
PTGA	Pitinga	
POPB	Porto Primavera	
SPB	Sao Paulo	
Ceara		
CS6B	Jaguaretama	
Distrito Federal		
BDFB	Brasilia	
BAE	Brasilia	
BCS*	Brasilia Array	
BAO	Brasilia Array Centre Point	
BAE1	Brasilia Array Site E1	
BAE2	Brasilia Array Site E2	
BAE3	Brasilia Array Site E3	
BAE4	Brasilia Array Site E4	
BAE5	Brasilia Array Site E5	
BAEE	Brasilia Array Site EE	
BAS1	Brasilia Array Site S1	
BAS2	Brasilia Array Site S2	
BAS3	Brasilia Array Site S3	
BAS4	Brasilia Array Site S4	
BAS5	Brasilia Array Site S5	
BASE	Brasilia Array Site SE	
BAW1	Brasilia Array Site W1	
BAW2	Brasilia Array Site W2	
BAW3	Brasilia Array Site W3	
BAW4	Brasilia Array Site W4	
BAWE	Brasilia Array Site WE	
BDF	Brasilia (W)	
Espirito Santo		
CAM3	Guarapari	
Goias		
COR2	Caldas Novas	
JATB	Jatai	
Maranhao		
BESB	Sao Joao Dos Patos	
Mato Grosso		
AQDB	Aquidauana	
MSB	Manso	
PP1B	Ponte de Pedra	
PTMB	Porto Murtinho	
Minas Gerais		
AGVB	Aqua Vermelha	
ATDB	Astolofo Dutra	
BARB	Barbacena	
BSCB	Bom Sucesso	
BRAS	Brasopolis	
CDCB	Carmo do Cajuru	
JFO	Juiz de Fora	
Para		
ATB	Altamira	
BEB	Belem	
Parana		
FDA	Foz do Areia	
FDA5	Foz do Areia	
FDA4	Foz do Areia	
ITB	Itaipu	
ITB1	Itaipu 1	
ITB7	Itaipu 7	
RSTA	Tijuco Alta	
Pernambuco		
CAUB	Caruaru	
ITR	Itaparica	
Piaua		
TRSB	Teresina	
Rio de Janeiro		
BMA	Barra Mansa	
ITA	Itatiaia	
CAM1	Macae	
CAM4	Nova Friburgo	
RDJ	Rio de Janeiro	
TRRB	Tres Rios	
VASS	Vassouras	
Rio Grande do Norte		
CAI	Caico	
IPA	Ipanguacu	
NAT	Natal	
RCBR	Riachuelo	
Rio Grande do Sul		
UFRS	Porto Alegre	
Rondonia		
SRB	Samuel	
SAML	Samuel	
Sao Paulo		
VAO2	Atibaia	
BB16B	Bebedouro	
CACB	Caconde	
IGAB	Igarata	
JUQB	Juquia	
PARB	Paraibuna	
PPD	Presidente	
RIFB	Rifaina	
VAO3	Socorro	
VAO	Valinhos	
Buenos Aires		
MGBA	MARTIN GARCIA	
Cautin		
PSCH	Puerto Saavedra	
Chile		
Aconcagua		
ALH	Alicahue	
CTP	Catapilco	
JACH	Jahuel	
Antofagasta		
ANT	Antofagasta	
ANCH	Antofagasta	
CAC	Calama	
CTBN	Caleta Bueno	
CPN1	Cerro Paranal	
LVC	Limon Verde	
CEN1	Los Morros	
MACH	Maria Elena	
MECH	Mejillones	
MIC	Michilla	
MTZ	Montezuma	
MTQ	Monturaqui	
OAS	Oasis	
OFA	Oficina Alemania	
PECH	Pedro de Valdivia	
PEI	Peine	
PB09	Plate Boundary	
PB07	Plate Boundary	
PB04	Plate Boundary	
PB06	Plate Boundary	
PB03	Plate Boundary Site 03	
PB10	Plate Boundary Site 10	
QUL	Quillagua	
SLN	Salinas	
SPCH	San Pedro de Atacama	
TCN	Toconce	
TOCH	Tocopilla	
TCP	Tocopilla	
TPL	Tocopilla	
Atacama		
CDCH	Caldera	
CLD	Caldera	
CAA	Chanaral	
CRCH	Chaqaral	
CPCH	Copiapo	
CPP	Copiapo	
ESC	El Salvador	
HUCH	Huasco	
SDO	Salado	
Bio-Bio		
CCHI	Chillan	
COBQ	Cobquecura	
COCH	Cobquecura	
LLIC	Llico	
CCSP	San Pedro de Concepcion	
Cautin		
TEM	Temuco	
TMU	Temuco	
VNV	Volcan Villarrica	
ARCH	Arica	
CTRO	CASTRO	
CHRN	Cochrane	
CNTO	Contao	
PUYE	Entre Lagos	
FUTA	Futaleufu@15	
HOCH	Hornopire@15n	
HUAR	Huara	
HUNY	Huinay	
ILCA	Isla Las Cabras	
TIRA	La Tirana	
PINT	Los Pintados	
NEUQ	Neuquen (mine)	
POZO	Pozo Almonte	
CHFR	Pto Chacabuco	
PUEL	Puelo Alto	
AYCH	Puerto Aysen	
PMCH	Puerto Montt	
PATCX	Punta Patache	
QLLN	Quello@15n	
TMCH	Temuco	
UNAP	University of Iquique	
Concepcion		
U14B	Concepcio@15n	
CON	Concepcion	
CONC	Concepcion	
Coquimbo		
CBCH	Cabildo	
CMCH	Combarbala	
ILCH	Illapel	
LCO	Las Campanas	
LSCH	La Serena	
CHNG	Los Chungos	
VICH	Los Vilos	
OVCH	Ovalle	
TLL	Tololo Astronomical Observatory	
VACH	Vallenar	
Easter Island		
EIC	Easter Island	
PSC	Isla de Pascua	
RPN	Rapa Nui	
Juan Fernandez Islands		
IJF	Islas Juan Fernandez	
Linares		
PAN	Panimavida	
SJC	San Javier	
Magallanes		
PTA	Punta Arenas	
SOM	Sombrero	
Malleco		
ANGC	Angol	
Maule		
AGCH	Angol	
CNCO	Chanco	
CONS	Constitucion	
CTCH	Constitucion	
U65B	Hualan@16e@15	
ILOC	Iloca	
LNCH	Linares	
NICH	Los Niches	
MFCH	Minera del Fierro	
TALC	Talca	
Metropolitana		
LACH	Col Las Americas	
O'Higgins		
CICH	Cipreses	
COLN	Colon	
CACH	El Canelo	
U69B	Peumo	
PICH	Pichilemu	
SFDO	San Fernando	
STCR	Santa Cruz	
Santiago		
ANTU	Antumapu	
BACH	Barnechea	
CLCH	Cerro Calan	
ELRO	Cerro El Roble	
CHCH	Chadas Angostura	
DSCH	Colegio Aleman	
ROCH	El Roble	
ROC1	El Roble	
YECH	El Yeso	
EDC*	EscuelaIngenieria	
FCH	Farellones	
LCCH	Las Cruces	
LMEL	Las Melosas	
LLCH	Llolleo	
LQT	Los Queltehues	
PEL	Peldehue	
FSR	Penalolen	
PCH	Pirque	
PUEX	Pudahuel	
PUT	Punta Talca	
RCDM	Rinconada Maipu	
SCR	San Cristobal	
SJCH	San Jose de Maipo	
SJM	San Jose Maipo	
STL	Santa Lucia	
SAN	Santiago	
TACH	Talagante	
Tarapaca		
ARI	Arica	
HMBC	Humberston	
ICC	Iquique	
IQQ	Iquique	
MNMC	Min@16e Min@16e	
OLL	Ollague	
PSGC	Pisagua	
PB01	Plate Boundary	
PB11	Plate Boundary	
PB02	Plate Boundary Site 02	
PB08	Plate Boundary Site 08	
Valdivia		
OSCH	Osorno	
VLV	Valdivia	
VLCH	Valdivia	
Valparaiso		
CCCH	Con Con	
ELP	El Pangue	
ELQ	El Quisco	
IHA	Instituto Hidrografico de la Armada	
LAV	Laguna Verde	
LNV	Longovilo	
MOCH	Los Molles	
NAVD	Navidad	
OLCH	Olmue	
PACH	Papudo	
PTCH	Petorca	
U73B	San Pedro	
VLP	Valparaiso	IHA
UTF	Valparaiso	
ZACH	Zapallar	
Colombia		
ANCC	Alto Anchicaya	
ARNL	Arenillas	
AZUC	Azuc	
AZ1C	Azucar	
MALC	Bahia Malaga	
SOLC	Bahia Solano	
BARC	Barichara	
BETC	Betania	
BOCO	Bogota	
BOG	Bogota	
BCR	Bucaramanga	
BMG	Bucaramanga	
BUGC	Buga	
CAPC	Capurgana	
KENC	Cerro Kenedy	
CHN	Chinchina	
CHIC	Chingaza	
CMBC	Cumbal	
ETC	El Centro	
HOBC	El Hobo	
ROSC	El Rosal	
FLOC	Florencia	
FUQ	Fuquene	
GAL	Galerazamba	
HOQC	Horqueta	
CRUC	La Cruz	
DIAC	La Diana	
CLMC	Lago Colima	
RUSC	La Rusia	
MAPC	Malpelo	
MEDC	Medellin	
MUNC	Munchique	
CUMC	Nevado Cumbal	
NORC	Norcasia	
OCAC	Ocana	
PSO	Pasto	
PAST	Pastocalle	
PLAY	Playas-San Antonio	
PRAC	Prado	
SALC	Salvajina	
SRD	San Andres	
SEGC	San Emigdio	
GUVC	San Jose del Guaviare	
HELC	Santa Helena	
SILC	Silvia	
TATC	Tatama	
TOLC	Tolima	
TUMC	Tumaco	
PURC	Volcan Purace	
YANT	Yantaza	
PLAZ		
URCR		
CR2G		
OLGA		
ACVZ		
ANVZ		
COB3		
NAR2		
PUYI		
ECALA		
CHI2		
LOEW		
BIAC		DIAC
Cordoba		
SUCO	SUCO	
Distrito Federal		
I09BR	BRASILIA INFRASONIC ARRAY REFERENCE POINT	
Easter Island		
I13CL	EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	
Ecuador		
ALTA	Alta Urco	
ANGU	Angureal	
ANTI	Antisana	
AREE	Arenal	
ARRY	Arrayan	
AZU1	Azuela	
CABP	Cabo Pasado	
CALV	Calvario	
CARM	Carmen	
CARS	Cars	
CATE	Catamayo	
CAYA	Cayambe	
CASW	Cayambe	
ELAGU	Cayambe Volc	
CHIS	Cerro-Chispas-Manabi	
HOJA	Cerro de Hojas	
ECEN	Cerro Negro	
CHAR	Charly	
CHIM	Chimborazo	
CHI1	Chimborazo	
PORT	Chimborazo Volcano	
CONE	Cono NE Rev Volc	
ECOPE	Copete-Rev Volc	
COTA	Cotacachi	
VC1	Cotopaxi 1	
COV1	Cotopaxi Volc	
BTAM	Cotopaxi Volcano	
BNAS	Cotopaxi Volcano	
BREF	Cotopaxi Volcano	
BVC2	Cotopaxi Volcano	
BMOR	Cotopaxi Volcano	
PITA	Cotopaxi Volc (N)	
MOV1	Cotopaxi Vol south	
CGGP	Crater GGP	
CUMB	Cumbre	
CUPA	Cupa	
CUSU	Cusua	
DOMO	Domo	
ANGL	Ecuador	
GECU	Ecuador Network	

Code	*Station Name*	*Other*
IECU	Ecuador Network	
BECU	Ecuador Network	
PECU	Ecuador Network	
CECU	Ecuador Network	
AECU	Ecuador Network	
MECU	Ecuador Network	
RECU	Ecuador Network	VC1
EDEN	Eden	
BIL2	Estacion Bilbao	
QTOE	Estacion Edusismo	
FARH	Faro	
FLFR	Flavio Alfaro	
GALE	Galera	
GOLV	Golondrinas	
GUAL	Guallil	
HIER	Hierbabuena	
IBAR	Ibarra	
IGUA	Igualata	
ISPT	Isla de la Plata	
JAMA	Jama	
JUIV	Juive	
JUI6	Juive	
JUI3	Juive 3	
LGCB	Laguna Cube	
HSPR	La Hesperia	
LAV2	Lava2-Rev Volc	
LAV3	Lava3-Reventador	
LAV4	Lava4-Reventador	
LITE1	Lita	
LITE	Lita	
MACE	Macas	
MAG1	Magdalena	
MAGD	Magdalena	
PECV	Mancha de Ca Pechiches	
MSON	Mazon	
MJAS	Monjas	
MUSH	Mushullacta	
NAS1	Nasa	
NAS2	Nasa	
NCE	Nasa Cotopaxi	
NONO	Nono	
OTAV	Otavalo	
PALA	Palora	
PAT1	Patacocha	
PATA	Patacocha	
PDNS	Pedernales	
GPNO	Pichincha	
PINO	Pino	
PISA	Pisayambo	
PUCR	Pucara	
QUEM	Puengasi	
PTGL	Punta Galera	
QUIL	Quilotoa	
QIL2	Quilotoa	
QIL1	Quilotoa	
QITI	Quititos	
QIT2	Quititos 2	
OAQ	Quito	
QTO	Quito	
QUI	Quito	
QUND	Qund	
CAMI	Rancho Maria	
MARY	Rancho Maria	
RETU	Refugio	
CAYR	Refugio Cayambe	
GGP	Refugio Guagua Pichincha	
EPALM	Reventador volcano	
REVE	Rev-Rev Volc	
RIOE1	Riobamba	
RIOE	Riobamba	
RVRD	Rio Verde	
QUR	Rumipamba	
RUN5	Runtun	
RUN2	Runtun	
RUN3	Runtun 3	
SALI	Salinas	
JORG	San Jorge	
JOR1	San Jorge 1	
JUAN	San Juan	
JUA2	San Juan 2	
LORE	San Lorenzo	
MGUL	San Miguel	
SOCH	Soche	
TAMB	Tambo	
TENA	Tena	
TERV	Terraza Guagua	
TOAZ	Toaza	
BMAS	Trigal station	
QUT	Tumbaco	
TUNG	Tungurahua	
BILB	Tungurahua volcano	
BRUN	Tungurahua Volcano	
BPAT	Tungurahua Volcano	
ULBA	Ulba	
BULB	Ulba Tungurahua	
BBIL	Ulba Tungurahua	
YANA	Yana	
XTAL		
Galapagos		
GIE	Galapagos Islands	
FERN	Isla Fernandina	
PAYG	Puerto Ayora	
VCHI	Volcan Chico	
French Guiana		
CAY	Cayenne	
KOG	Kourou	
MPGF	Montagnes des Peres	
Juan Fernandez Islands		
I14CL	ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT	
La Rioja		
ACLC	CERRO LA CRUZ	
AGUA	GUANDACOL	
APLL	PUNTA DE LOS LLANOS	
Mato Grosso		
CDSB	Chapadao Do Sul	
Mendoza		
ARCO	CERRO ARCO	
Minas Gerais		
PMNB	Patos De Minas	
SJMB	Sao Joao De Manteninha	
Paraguay		
CPUP	Villa Florida	
I41PY	VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	
Parana		
PTGB	Pitanga	
YCA	YACYRETA	
Peru		
CHP4	Algarobillo	
PP10	Ancon	
ARE	Arequipa	
ATAH	Atahualpa	
ATI	Atico	
PP07	Ayacucho	
AYE	Ayenquera	
PP16	Cajamarca	
PP02	Calachota	
PT10	Camacho	
CRV	Caraveli	
CST	Castrovirreyna	
CLA	Chala	
PP08	Chalhuanca	
CHP8	Chiclayo	
CHP3	Chocan	
PP03	Condor	
CHP2	Corcovado	
CUS	Cuzco	
CHP7	Eten	
PT03	Guadalupe	
HUA	Huancayo	
HCO	Huanuco	
HUZ	Huaraz	
HURP	Huarmaca	
CHP5	Huaypira	
ICA	Ica	
PT05	Jicamarca	
PT11	Juni	
LIM	Lima	
LM2	Lima (Magdalena)	
PT20	Maychil	
MRF	Miraflores	
PT21	Montanita	
PT01	Morro Solar	
NNA	Nana	
ONG	Ongoro	
PCS	Paracas	
CHP1	Pelados	
PT06	Pisco	
PT18	Porculla	
PCHP	Portachuelo	
PVP	Pueblo Viejo	
PUN	Puno	
PP06	Puquio	
QUM	Quillmana	
PT02	Quilmana	
SGP	San Gregorio	
SJU	San Juan	
SJN	San Juan, Peru	
PT09	Santa Fe	
SHP	Santa Helena	
PP04	Saramarca	
PT08	Suche	
TAL	Talara	
PP05	Tocota	
TRP	Trujillo	
PP09	Villa El Salvador	
PT04	Zamaca	
HLS		
EPCH		
EMPA		
HCA		
Rio de Janeiro		
ESAR	Angra dos Reis-Rio de Janeiro-Brazil	
Rio Grande do Sul		
CPSB	Cacapava Do Sul	
CNLB	Canela	
PLTB	Pedras Altas	
Salta		
ALOL	LOMAS DE OLMEDO	
San Juan		
AMOG	MOGNA	
Sao Paulo		
BB19B	Bebedouro	
FRTB	Fartura	
RCLB	Rio Claro- Sao Paulo-Brazil	
Tierra del Fuego		
I02AR	USHUAIA INFRASONIC ARRAY REFERENCE POINT	
Venezuela		
ALTV	Alturitas	
ANGV	Angostura	
BLV	Bailadores	
BARV	Barcelona	
BRIV	Barinas	
BAUT	Bautismo	
BETV	Betijoque	
BIRV	Birongo	
BOTV	Botiquin	
CABA	Caballo Blanco	
CAOV	Caicara del Orinoco	
CAIV	Caiguire	
CLCV	CALICANTO	
CAMV	Campeare	
CAPV	Capacho	
CAR	Caracas	
CRUV	Carupano	
CSV	Casigua	
CATA	Catuaro Arriba	
CANV	Cerro Antonio	
CEDI	Cerro Diablo	
CEOS	Cerro El Oso	
ELMO	Cerro Moro	
CERV	Cerron	
CENE	Cerro Negro	
GTV	Cerro Toribio	
CUPV	Cu@15pira	
CUM	Cumana	
COAV	Cumanacoa	
CURV	Curarigua	
DABV	Dabajuro	
BAUV	El Baul	
CAFV	EL CAFE	
GURV	El Guri	
EHV	El Hato	
LLAV	El Llanito	
GMV	El Manteco	
ELOV	Elorza	
PAUV	EL PAUJM	
PRAV	El Prado	
TGRV	El Tigre	
TOV	El Tocuyo	
VIGV	El Vigia	
VOLV	El Volcan	
FIPE	Fila de Piedra	
ELPA	Fila Paraiso	
FDCV	FORTIN DE LA CUMBRE	
FUNV	FUNVISIS	
GUAC	Guacamaya	
GUNV	Guanoco	
GUIV	Guiria	
GUV	Guri	
GUV1	Guri Network	
GUV5	Guri Network	
GUV4	Guri Network	
GUV3	Guri Network	
GUV2	Guri Network	
INTV	Intevep	
IAV	Isla Aves	
IBAV	Isla La Blanquilla	
ORCV	Isla La Orchila	
IMOV	Isla Los Monjes	
ITEV	Isla Los Testigos	
IVIV	IVIC	
JACV	Jacura	
AGV	La Aguada	
CEIV	La Ceiba	
LACU	La Cuchilla	
CUV	La Culata	
LADA	La Danta	
LAGU	Laguneta	
LAGV	Lagunillas	
LGN	Lagunillas	
LAPE	La Pedrera	
MERV	Las Mercedes	
OLLA	Las Ollas	
TORT	La Tortuga	
LAU	La Urbina	
LEV	Loma de el Viento	
LORO	Los Roques	
LUEV	Luepa	
GMC	Macagua	
MAPV	Macapo	
MCHV	Machiques	
MANV	Manamana	
MARA	Maracay	
MISV	Misoa	
MOLL	Mollejon	
MONV	Montecano	
MORO	Morrocoy	
OCUV	OCUMARITO	
ORIV	Oritupano	
PALR	Palma Real	
PALM	Palmichal	
OSV	Paramo de la Osa	
PDMV	Paramo Marino	
PARV	Pariaguan	
PRGV	PARIAGUAN	
EAV	Pico El Aguila	
PMV	Pico Espejo	
PLAV	Platillon	
POTV	Potrerito	
PAYV	Puerto Ayacucho	
PLCV	Puerto La Cruz	
PCRV	Puerto La Cruz	
QARV	Quebrada Arriba	
RIOV	Rio Grande	
FISA	Sacuragua	
SAJV	Sajaritas	
SANV	Sanarito	
SCRV	San Cristobal	
LORV	San Lorenzo	
ISAV	Santa Isabel	
SRV	Santa Rosalia	
SDV	Santo Domingo	
SIPV	Sipayare	
SIQV	Siquisique	
SIR	Siria	
SOCV	Socops	
TEPV	Terepaima	
TIOV	TMO PEDROTE	
TORV	Torococo	
PALV	Tres Palos	
TUV	Trujillo	
TURV	Turiamo	
UAV	Universidad de los Andes	
GUAN	Valle de Guanape	
VIRV	Villa del Rosario	

AGENCIES REPORTING EPICENTRAL ESTIMATES

AEIC	**ALASKA EARTHQUAKE INFORMATION CENTER.** Geophysical Institute, University of Alaska Fairbanks, P.O. Box 757320, Fairbanks AK 99775-7320 , U.S.A..
ANF	**USARRAY ARRAY NETWORK FACILITY.** IRIS, 1200 New York Ave, NW, Suite 800, Washington, DC 20005, U.S.A..
ARE	**INSTITUTO GEOFISICO DEL PERU.** Universidad Nacional de San Agustin, Seccion de Sismologia, Calle Badajoz # 169, Mayorazgo IV Etapa, Cod. Postal 03 Referencia Cruce, Arequipa , Peru.
ARO	**OBSERVATOIRE GEOPHYSIQUE D,ARTA.** Observatoire Geophysique d,Arta, B.P. 1888, Djibuti, Djibouti.
ASIES	**ACADEMIA SINICA.** Institute of Earth Sciences, Academia Sinica, POB 1-55, Nankang, 11529, Chinese Taipei
ASRS	**GEOPHYSICAL SURVEY SB RAS.** Geophysical Survey SB RAS, Ac. Koptyug Pr.,3 , 630090, Novosibirsk, Russia.
ATH	**NATIONAL OBSERVATORY OF ATHENS.** Institute of Geodynamics, National Observatory of Athens, P.O. Box 20048, 118 10 Athens, Greece.
AUST	**GEOSCIENCE AUSTRALIA.** Geoscience Australia, Cnr Jerrabomberra Ave and Hindmarsh Drive, Symonston ACT 2609, PO Box 378, Canberra ACT 2601, Australia.
AZER	**REPUBLIC CENTER OF SEISMIC SURVEY.** Azerbaijan Academy of Science, 9, F.Agayev St., AZ1141, Baku, Republic of Azerbaijan.
BEO	**SEISMOLOGICAL SURVEY OF SERBIA.** Republicki seizmoloski zavod - Seismological Survey of Serbia, Park Tasmajdan, P.O.Box 16, 11000 Beograd, Serbia.
BER	**SEISMOLOGCAL OBSERVATORY IN BERGEN.** Department of Earth Science, Allegt. 41, 5007 Bergen, Norway.
BGR	**BUNDESANSTALT FUER GEOWISSENSCHAFTEN UND ROHSTOFFE.** Bundesanstalt fuer Geowissenschaften und Rohstoffe, Stilleweg 2, D-30655 Hannover, Germany.
BGS	**BRITISH GEOLOGICAL SURVEY.** Global Seismology Unit, Murchison House, West Mains Road, Edinburgh, EH9 3LA, United Kingdom.
BJI	**CHINA EARTHQUAKE ADMINISTRATION.** Institute of Geophysics, China Earthquake Administration, P.O. Box 8116, Beijing 100081, China.
BNS	**ERDBEBENSTATION, GEOLOGISCHES INSTITUT DER UNIVERSITAT KOLN.** Erdbebenstation, Geologisches Institut der Universitat Koln, Vinzenz-Pallotti-Strasse 26, 51429 Bergisch Gladbach, Germany.
BUC	**NATIONAL INSTITUTE FOR EARTH PHYSICS OF BUCHAREST.** National Institute for Earth Physics, Seismological Department, PO Box MG-2, 76900, Bucharest-Magurele, Romania.
BUD	**HUNGARIAN SEISMOLOGICAL INSTITUTE.** Hungarian Seismological Institute, Meredek u. 18, H-1112 Budapest 11, , Hungary.
BUG	**INSTITUTE OF GEOLOGY, MINERALOGY & GEOPHYSICS.** Ruhr-Universitat Bochum, Gebˆude NA 3/173, 44780 Bochum, Germany.
BUT	**MONTANA BUREAU OF MINES AND GEOLOGY.** Montana Tech of The University of Montana, Butte, MT 59701, U.S.A..
BYKL	**GS SIBERIAN BRANCH RAS,.** Baykal Regional Seismological Centre, Lermontov str,.128, Irkutsk-33, 664033, Russia.
CAR	**INSTITUTO SISMOLOGICO DE CARACAS.** Instituto Sismologico, , Apartado 6745, Caracas 1010A, Venezuela.
CASC	**CENTRAL AMERICAN SEISMIC CENTER.** Escuela Centroamericano de Geologia, Universidad de Costa Rica, San Jose, Costa Rica.
CERI	**CENTER FOR EARTHQUAKE RESEARCH AND INFORMATION.** Memphis University, , 3890 Central Ave (formerly TEIC Tennessee Earthquake Information Center), Memphis, TN 38152, U.S.A..
CLL	**GEOPHYSIKALISCHES OBSERVATORIUM COLLM.** Universitaet Leipzig, D-04779 Wermsdorf, Germany.
CNRM	**CENTRE NATIONAL DE RECHERCHE.** Centre National de Recherche, B.P. 1346, R.P. Rabat, Morocco.
CRAAG	**CENTRE DE RECHERCHE EN ASTRONOMIE, ASTROPHYSIQUE ET GEOPHYSIQUE.** Centre de Recherche en Astronomie, Astrophysique et Geophysique, Craag, Algiers, Algeria.
CSEM	**CENTRE SISMOLOGIQUE EURO-MEDITERRANEEN.** Centre Sismologique Euro-Mediterraneen, c/o LDG, BP12, 91680 Bruyeres-le-Chatel, France.
DDA	**DISASTER AND EMERGENCY MANAGEMENT PRESIDENCY.** Disaster and Emergency Management Presidency, Earthquake Department Presidency, Eskisehir yolu 10, Lodumlu, Ankara , Turkey.
DHMR	**YEMEN NATIONAL SEISMOLOGICAL CENTER.** National Seismological Observatory Center, P.O. Box 87175, Dhamar, Yemen.
DJA	**BADAN METEOROLOGI DAN GEOFISIKA.** Badan Meteorologi dan Geofisika, Jln. Angkasa I/2 Kemayoran, Jakarta Pusat 10720, Indonesia.
DMN	**DEPARTMENT OF MINES AND GEOLOGY, MINISTRY OF INDUSTRY OF NEPAL.** Department of Mines and Geology, Ministry of Industry, Lainchour, Kathmandu, Lainchour, Kathmandu, Nepal.
DNK	**GEOLOGICAL SURVEY OF DENMARK AND GREENLAND.** Geological Survey of Denmark and Greenland (GEUS), Ostervoldgade 10, DK-1350 Copenhagen K, Denmark.
ECX	**RED SISMICA DEL NOROESTE DE MEXICO (RESOM).** Centro de Investigacion Cientifica y de Educacion Superior de, Ensenada (CICESE), Aptdo. Postal 2732, Ensenada, Baja California, Mexico.
EST	**GEOLOGICAL SURVEY OF ESTONIA.** Geological Survey of Estonia, Kadaka tee 82, Tallinn, 12618, Estonia.
FUNV	**FUNDACION VENEZOLANA DE INVESTIGACIONES SISMOLOGICAS .** Fundacion Venezolana De Investigaciones Sismologicas (FUNVISIS), Apartado 76880, Caracas 1070-A, Venezuela.
GCMT	**THE GLOBAL CMT PROJECT.** Lamont Doherty Earth Observatory (LDEO), Columbia University, 61 Route 9W, P.O. Box 1000, Palisades, NY 10964-1000, U.S.A..
GEN	**DIPARTIMENTO PER LO STUDIO DEL TERRITORIO E DELLE SUE RISORSE (RSNI).** Universita di Genova, Laboritorio di Sismologia, Viale Benedetto XV, 5, 16132 Genova, Italy.
GFZ	**GEOFORSCHUNGSZENTRUM (GFZ) POTSDAM.** Section 2.4, Seismology, GEOFON Program, Telegrafenberg, 14473 Potsdam, Germany.
GII	**THE GEOPHYSICAL INSTITUTE OF ISRAEL.** Geophysical Institute of Israel, P.O. Box 182, Lod 71100, Israel, Israel.
GRAL	**NATIONAL COUNCIL FOR SCIENTIFIC RESEARCH.** National Centre for Geophysical Research, 59, Rue Zahia Selman, B.P. 11-8281 Ryad El Solh 1107, Beyrouth, Lebanon.
GUC	**DEPARTAMENTO DE GEOFISICA, UNIVERSIDAD DE CHILE.** Servicio Sismologico Universidad de Chile, Avenida Blanco Encalada 2002, P.O. box 2777, Santiago, Chile., Chile.
HDC	**OBSERVATORIO VULCANOLOGICO Y SISMOLOGICO DE COSTA RICA.** Observatorio Vulcanologico y Sismologico de Costa Rica, Universidad Nacional, Apartado Postal:2346-3000 Heredi, Costa Rica.
HEL	**INSTITUTE OF SEISMOLOGY, UNIVERSITY OF HELSINKI.** Institute of Seismology, University of Helsinki, , Teollisuukatu 23, , P.O. Box 26, FIN-00014, Helsinki, Finland.
HLW	**NATIONAL RESEARCH INSTITUTE OF ASTRONOMY AND GEOPHYSICS.** National Research Institute of Astronomy and Geophysics (NRIAG), Helwan, Cairo, Egypt.
HYB	**NATIONAL GEOPHYSICAL RESEARCH INSTITUTE.** National Geophysical Research Institute, Uppal Road, , Hyderabad, Pin - 500 007, Andhra Pradesh, India.
IDC	**THE INTERNATIONAL DATA CENTRE.** CTBTO Preparatory Commission, Vienna International Centre, PO Box 1200, A-1400 Vienna , Austria.
IGIL	**INSTITUTO GEOFISICO DO INFANTE D.LUIZ.** Instituto Geofisico do Infante D.Luiz, Universidade de Lisboa, R. Escola Politecnica, 58, 1269-102 Lisboa, Portugal.
IGQ	**INSTITUTO GEOFISICO QUITO.** Instituto Geofisico, Escuela Politecnica Nacional, P.O.Box 17012759, Quito, Ecuador.

INMG	**INSTITUTO DE METEOROLOGIA IP.** Instituto de Meteorologia, Rua C ao Aeroporto, 1749-077 Lisboa, Portugal.
IPEC	**USTAV FYZIKY ZEME.** Masaryk University, Brno, Czech Republic.
ISCJB	**INTERNATIONAL SEISMOLOGICAL CENTRE.** Pipers Lane, Thatcham, Berkshire RG19 4NS, United Kingdom.
ISK	**ISTANBUL.** Kandilli Observatory and Research Institute, Bogazici University, Cengelkoy 81220, Istanbul, Turkey.
JMA	**JAPAN METEOROLOGICAL AGENCY.** Japan Meteorological Agency, 1-3-4 Otemachi, Tokyo 100-8122, Japan.
JSN	**JAMAICA SEISMIC NETWORK.** University of the West Indies, Department of Geology, Seismic Research Unit, Mona, Kingston 7, Jamaica.
JSO	**JORDAN SEISMOLOGICAL OBSERVATORY.** Natural Resources Authority, P.O. Box 7, Amman, Jordan.
KISR	**KUWAIT INSTITUTE FOR SCIENTIFIC RESEARCH.** Kuwait Institute for Scientific Research, Safat, P.O. Box 24885, Safat, Kuwait.
KMA	**KOREA METEOROLOGICAL ADMINISTRAION.** Earthquake Division, 460-18 Sindaebang-dong Dongjak-gu, Seoul 156-720, Republic of Korea.
KNET	**IVTRAN SCIENTIFIC STATION.** Bishkek - 49, Bishkek - 49, Kyrgyzstan.
KRSC	**KAMCHATKAN EXPERIMENTAL AND METHODICAL SEISMOLOGICAL DEPARTMENT.** Geophysical Service, RAS (KEMSC GS RAS), 9 Piip Boulevard, Petropavlovsk-Kamchatsky, 683006, Russia.
LDG	**LABORATOIRE DE DETECTION ET DE GEOPHYSIQUE.** Section Traitment de Donnees Geophysique, B.P. 12, 91680 Bruyeres-le-Chatel, France.
LDO	**LAMONT-DOHERTY EARTH OBSERVATORY.** Seismology Department, Lamont-Doherty Geological Observatory, Palisades, NY 10964, Palisades, NY 10964, U.S.A..
LEDBW	**LANDESERDBEBENDIENST BADEN-WUERTTEMBERG.** Landesamt fuer Geologie, Rohstoffe und Bergbau (LGRB), Referat 98 - Landeserdbebendienst, Albertstrasse 5, D-79104 Freiburg i. Br., Germany.
LIB	**TRIPOLI.** Seismological Observatory Office, Libyan center for Remote Sensing & Space Science, P.O Box 82245, Tripoli, Libya.
LIC	**LAMTO STATION.** Station Geophysique, BP 31, N,Douci, Ivory Coast.
LIM	**LIMA.** , Peru.
LIS	**LISBON.** Instituto de Meteorologia, Rua C ao Aeroporto, 1749-077 Lisboa, Portugal.
LIT	**GEOLOGICAL SURVEY OF LITHUANIA.** Geological Survey of Lithuania, S. Konarskio 35, LT-2600 Vilnius, Lithuania.
LJU	**ENVIRONMENTAL AGENCY OF THE REPUBLIC OF SLOVENIA.** Environmental Agency of the Republic of Slovenia, Seismology Office, Dunajska 47/VII, SI-1000 Ljubljana, Republic of Slovenia.
LVSN	**LATVIAN SEISMIC NETWORK.** Latvian Environment, Geology and Meteorology Centre, Maskavas Street 165, Riga, LV-1019, Latvia.
MAN	**PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY.** PHIVOLCS, University of the Philippines Campus, PHIVOLCS Building, C. P. Garcia Avenue, Diliman, Quezon City, 1100, Philippines.
MDD	**INSTITUTO GEOGRAFICO NACIONAL.** Instituto Geografico Nacional, Servicio de Sismologia e Ingenieria Sismica, Calle del General Ibanez de Ibero 3, Apartado 3007, Madrid 3, Spain.
MEX	**INSTITUTO DE GEOFISICA DE LA UNAM.** Servicio Sismologico Nacional, Instituto de Geofisica, Universidad Nacional Autonoma de Mexico, Ciudad Universitaria Del. Coyoacan, C.P. 04510, Mexico D.F., Mexico.
MOLD	**INSTITUTE OF GEOPHYSICS AND GEOLOGY.** Academy of Sciences of Moldova, str.Academiei 3, MD-2028, Chisinau, Republic of Moldova.
MOS	**GEOPHYSICAL SURVEY OF RUSSIAN ACADEMY OF SCIENCES.** Geophysical Survey of Russian Academy of Sciences, Obninsk, Lenin str., 189 , 249020, Kaluga region, Russia.
MRB	**INSTITUT CARTOGRAFIC DE CATALUNYA.** Institut Cartografic de Catalunya, Parc de Montjuic, 08038 Barcelona, Spain.
NAO	**NORSAR.** NORSAR, Instituttveien 25, P.O. Box 53, 2027 Kjeller, Norway.
NCEDC	**NORTHERN CALIFORNIA EARTHQUAKE DATA CENTER.** University of California, Berkeley and US Geological Survey, http://quake.geo.berkeley.edu/ncedc, Menlo Park, U.S.A..
NDI	**INDIA METEOROLOGICAL DEPARTMENT.** India Meteorological Department, Lodi Road, New Delhi, India.
NEIC	**NATIONAL EARTHQUAKE INFORMATION CENTER.** National Earthquake Information Center, U.S. Geological Survey, Stop 967, DFC, Denver CO 80225-0046, U.S.A..
NERS	**NORTH EASTERN REGIONAL SEISMOLOGICAL CENTRE.** North Eastern Regional Seismological Centre (GSRAS), Skuridin str.,6-b, 685024 Magadan, Russia.
NIC	**CYPRUS GEOLOGICAL SURVEY DEPARTMENT,.** Ministry of Agriculture Natural Resources and Environment, Geological Survey Department, Seismological Section, 1415 Lekosia, Cyprus.
NIED	**NATIONAL RESEARCH INSTITUTE FOR EARTH SCIENCE AND DISASTER PREVENTION.** National Research Institute for Earth Science and Disaster Prevention, 3-1 Tennodai , Tsukuba, Ibaraki 305-0006, Japan.
NNC	**KAZAKHSTAN NATIONAL DATA CENTER.** Kazakhstan National Data Center, IGR NNC RK, Chaikinoy str., 4, 480020, Almaty, Kazakhstan.
NOU	**IRD CENTRE DE NOUMEA.** Institut de recherche pour le d"veloppement, Centre de Noumea, 101 Promenade Roger Laroque - Anse Vata, BP A5 - 98848 Noumea Cedex, New Caledonia.
NSSC	**NATIONAL SYRIAN SEISMOLOGICAL CENTER.** Ministry of Petroleum and Mineral Resources, Damascus, Syria.
NSSP	**NATIONAL SURVEY OF SEISMIC PROTECTION.** Government of the Republic of Armenia, Davidashen 4 Massiv, 375054 Yereven , Armenia.
OMAN	**SULTAN QABOOS UNIVERSITY.** College of Science, Sultan Qaboos University, P.O. Box 36, 123 Al Khod, Oman.
OTT	**NATIONAL EARTHQUAKE HAZARDS PROGRAM.** National Earthquake Hazards Program, Natural Resources Canada, Ottawa, Ontario K1A 0Y3, Canada.
PAS	**CALIFORNIA INSTITUTE OF TECHNOLOGY.** California Institute of Technology, Seismological Laboratory, 1200 E. California Blvd., MS 252-21, Pasadena, CA 91125, U.S.A..
PDA	**UNIVERSIDADE DOS AZORES.** Universidade dos Acores, Departamento de Geociencias, Ponta Delgada, Azores, Portugal.
PDG	**SEISMOLOGICAL INSTITUTE OF MONTENEGRO.** Seismological Institute of Montenegro), R. Burica 2, p. (Previously Titograd TTG) , P.O. fah 196, 20.000 Podgorica, Montenegro.
PGC	**PACIFIC GEOSCIENCE CENTRE.** Pacific Geoscience Centre, 9860 West Saanich Road, , P.O. Box 6000, Sidney, British Columbia, V8L 4B2, Canada.
PLV	**NATIONAL CENTER FOR SCIENTIFIC RESEARCH.** National Center for Scientific Research, Hanoi, Vietnam.
PNSN	**PACIFIC NORTHWEST SEISMIC NETWORK.** Department Earth and Space Sciences, University of Washington, Box 351310, Seattle, WA 98195, U.S.A..
PPT	**LABORATOIRE DE GEOPHYSIQUE/CEA.** Laboratoire de Giophysique, C.E.A. D.A.S.E. L.D.G./Pamatai, B.P. 640 Papeete 98713, French Polynesia.
PRE	**COUNCIL FOR GEOSCIENCE.** Council for Geoscience, 280 Pretoria Street, Silverton, Pretoria, South Africa.
PRU	**GEOPHYSICAL INSTITUTE, ACADEMY OF SCIENCES OF THE CZECH REPUBLIC.** Geophysical Institute, Academy of Sciences of the Czech Republic, Bocni II/1401, 14131 Prague, Czech Republic.
PTWC	**PACIFIC TSUNAMI WARNING CENTER.** Pacific Tsunami Warning Center, 91-270 Fort Weaver Rd., Ewa BeachHI 96706-2928, U.S.A..

REN **MACKAY SCHOOL OF MINES .** MacKay School of Mines, University of Nevada, Reno, NV 89507, U.S.A..

REY **VEDURSTOFA ISLANDS BULLETIN.** Vedurstofa Islands, Reykjavik, Iceland.

ROM **ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA .** Istituto Nazionale di Geofisica e Vulcanologia , Via Vigna Murata 605, 00143 Roma, Italy.

RSNC **RED SISMICA NACIONAL DE COLOMBIA.** Red Sismica Nacional de Colombia, INGEOMINAS, Diagonal 53 No 34-53, Bogota, Colombia.

RSPR **RED SISMICA DE PUERTO RICO.** Geology Department, University of Puerto Rico, Mayaguez Campus, Box 9017, Mayaguez, PR 00681 9017, U.S.A..

SCEDC **SOUTHERN CALIFORNIA EARTHQUAKE DATA CENTER.** Seismology Laboratory, Caltech, Pasadena, California 91125, U.S.A..

SEA **GEOPHYSICS PROGRAM AK-50.** Geophysics Program AK-50, University of Washington, Seattle WA 98195, U.S.A..

SFS **REAL INSTITUTO Y OBSERVATORIO DE LA ARMADA.** Oficina de Relaciones P˜"blicas de la Flota, Cuartel General de la Flota, Base Naval de Rota, 11530 Rota, C˜¡diz, Spain.

SGS **SAUDI GEOLOGICAL SURVEY.** National Earthquake and Volcano Centre, Saudi Geological Survey, P.O.Box 54141, Jeddah 21514, Saudi Arabia.

SIO **SCRIPPS INSTITUTION OF OCEANOGRAPHY.** Inst. of Geophysics & Planetary Physics, University of California San Diego, Scripps Institution of Oceanography, 9500 Gilman Drive, La Jolla, CA 92093-0225, U.S.A..

SJA **INSTITUTO NACIONAL DE PREVENCION SISMICA.** Instituto Nacional de Prevencion Sismica (INPRES), Departamento de Sismologia, Roger Balet 47 Norte, 5400 San Juan, Argentina.

SKHL **SAKHALIN EXPERIMENTAL AND METHODOLOGICAL SEISMOLOGICAL EXPEDITION.** Geophysical Survey, Russian Academy of Sciences, 2 Tihookeanskaya, Yuzhno-Sakhalinsk, 693010, Russia.

SKO **REPUBLIC OF MACEDONIA SEISMOLOGICAL OBSERVATORY.** University Seismological Observatory, Skopje, P.O. Box 422, 91001, Skopje, Republic of Macedonia.

SLC **SALT LAKE CITY.** Cook, K.L. and Smith, R.B. 1967, Bull. Seism. Soc. Am., v. 57, 4, U.S.A..

SNET **SERVICIO NACIONAL DE ESTUDIOS TERRITORIALES.** Ministerio de Obras Publicas de El Salvador, Alameda Roosevelt y 55 Avenida No. 16 , San Salvador, El Salvador.

SOF **BULGARIAN ACADEMY OF SCIENCES.** Department of Seismology, Geophysical Institute, Bulgarian Academy of Sciences, Acad. G. Bonchev str, bl.3, 1113 - Sofia, Bulgaria.

SSNC **SERVICIO SISMOLOGICO NACIONAL DE CUBA.** Centro Nacional de Investigaciones Sismologicas (CENAIS), Calle 17 no 67e/ 4 y 6, Vista Alegre, Santiago de Cuba 90400, Cuba.

SSS **CENTRO DE ESTUDIOS Y INVESTIGACIONES GEOTECNICAS DEL SAN SALVADOR.** Centro de Estudios y Investigaciones Geotecnicas, Seccion de Sismologia, Apartado 109, San Salvador, El Salvador.

STR **INSTITUT DE PHYSIQUE DU GLOBE.** Institut de Physique du Globe, Universite Louis Pasteur, 5 Rue Rene Descartes , 67084 Strasbourg Cedex, France.

SVSA **SISTEMA DE VIGILANCIA SISMOLOGICA DOS ACORES.** Observatorio Afonso Chaves, Ponta Delgada, Acores, (Communications to:Servico Meteorologico Nacional, Rua C, Aeroporto, Lisboa-2, Portugal.), Portugal.

SZGRF **SEISMOLOGISCHES ZENTRALOBSERVATORIUM GRAFENBURG.** Seismologisches Zentralobservatorium, Mozartstrasse 57, 91052 Erlangen, Germany.

TAP **CWB .** 64 Kung Yuan Road, , 10039 Chinese Taipei

TEH **TEHRAN UNIVERSITY.** Geophysical Institute, Tehran University, 16 Azar Street, Enghelab Ave., Tehran, Iran.

THE **ARISTOTLE UNIVERSITY.** Central Seismological Station, Laboratory of Geophysics, Aristotle University, GR-54006 Thessaloniki, Greece.

THR **INT. INSTITUTE OF EARTHQUAKE ENGINEERING & SEISMOLOGY.** Int. Institute of Earthquake Engineering & Seismology, No. 26 Argavan Avenue, Dibaji Shomali, Farmanih, Tehran, Iran.

TIF **SEISMIC MONITORING CENTRE OF GEORGIA.** Seismic Monitoring Centre of Georgia, Nutsubidze str. 77, Tbilisi 0177, Georgia.

TIR **ACADEMY OF SCIENCES OF ALBANIA.** Seismological Institute, Academy of Sciences of Albania, Rruga Don Bosko, Tirana, Albania.

TRN **UNIVERSITY OF THE WEST INDIES.** Seismic Research Unit, University of the West Indies, St. Augustine, Trinidad, Trinidad and Tobago.

TUN **INSTITUT NATIONAL DE LA METEOROLOGIE.** Institut National de la Meteorologie, Avenue Mohamed Ali Akid Cit˜' olympique El Khadhra , 1003 Tunis, Tunisia.

UCC **ROYAL OBSERVATORY OF BELGIUM.** Department of Reference Systems and Geodynamics, Royal Observatory of Belgium, Av. Circulaire, 3, Ringlaan 3, 1180 Bruxelles, Belgium.

UCR **UNIVERSIDAD DE COSTA RICA.** Escuela Centroamericana de Geologia, Universidad de Costa Rica, Ciudad Universitaria Rodrigo Facio, Aptdo 35, San Jose, Costa Rica.

UNK **UNKNOWN SOURCE.**

UPA **UNIVERSIDAD DE PANAMA.** Instituto de Geociencias, Universidad de Panama (UPA), Campus Central - COLINA , Ciudad de Panam^¡ , Panama.

UPP **UNIVERSITY OF UPPSALA.** Dept of Earth Sciences, Seismology, Villavagen 16, 75236 Uppsala, Sweden.

UPSL **UNIVERSITY OF PATRAS, DEPARTMENT OF GEOLOGY.** University of Patras, Department of Geology, University Campus, 265 04 Rio Patras, Greece.

USGS **US GEOLOGICAL SURVEY.** US Geological Survey, 345 Middlefield Road, Menlo Park, CA 94025, U.S.A..

VIE **VSTERREICHISCHER GEOPHYSIKALISCHER DIENST.** Zentralanstalt flr Meteorologie und Geodynamik, Hauptabteilung Geophysik, Postfach 342, A-1191 Wien, Austria.

WAR **POLISH ACADEMY OF SCIENCES.** Institute of Geophysics, Polish Academy of Sciences, Ksiecia Janusza 64, 01-452 Warsaw, Poland.

WBNET **WEST BOHEMIA SEISMIC NETWORK.** Geophysical Institute, Academy of Sciences of the Czech Republic, Bocni II/1401, 14131 Prague, Czech Republic.

WEL **INSTITUTE OF GEOLOGICAL AND NUCLEAR SCIENCES.** Seismological Observatory, Institute of Geological and Nuclear Sciences, Geophysics Division, 69 Gracefield Road, P.O. Box 30-368, Lower Hutt, New Zealand.

WES **WESTON OBSERVATORY.** Department of Geology and Geophysics, Boston College, 381 Concord Road, Weston, MA 02193, U.S.A..

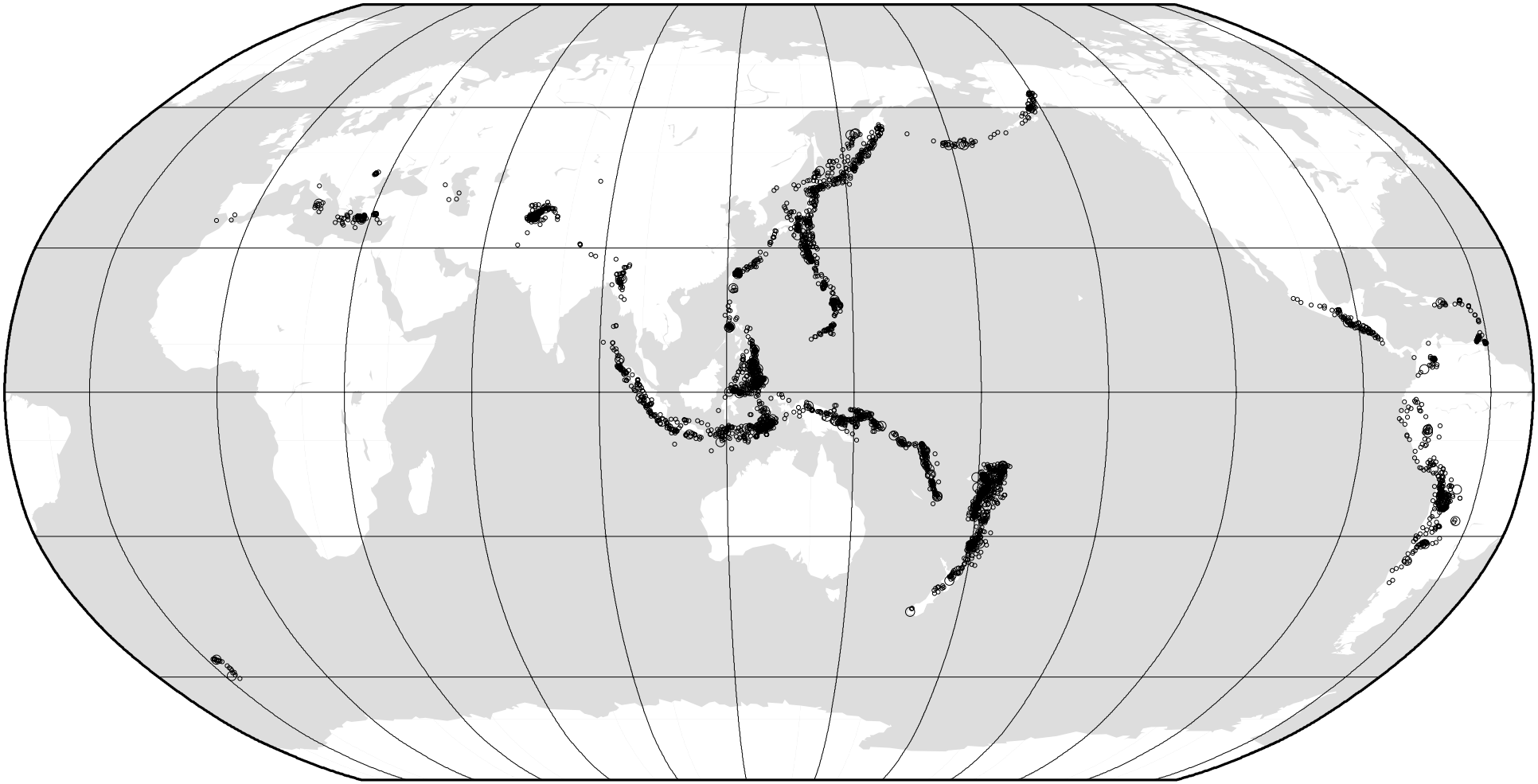
ZAG **SEISMOLOGICAL SURVEY OF THE REPUBLIC OF CROATIA.** Seismological Survey of the Republic of Croatia, University of Zagreb, Department of Geophysics, Horvatovac bb, 10000 Zagreb, Croatia.

ZUR **ETH ZURICH.** Swiss Federal Institute of Technology, ETH-H˚¶nggerberg HPP P2, CH-8093 Zurich, Switzerland.

ISC Epicentres for July - December 2008

Depth > 60 km

3737 Events



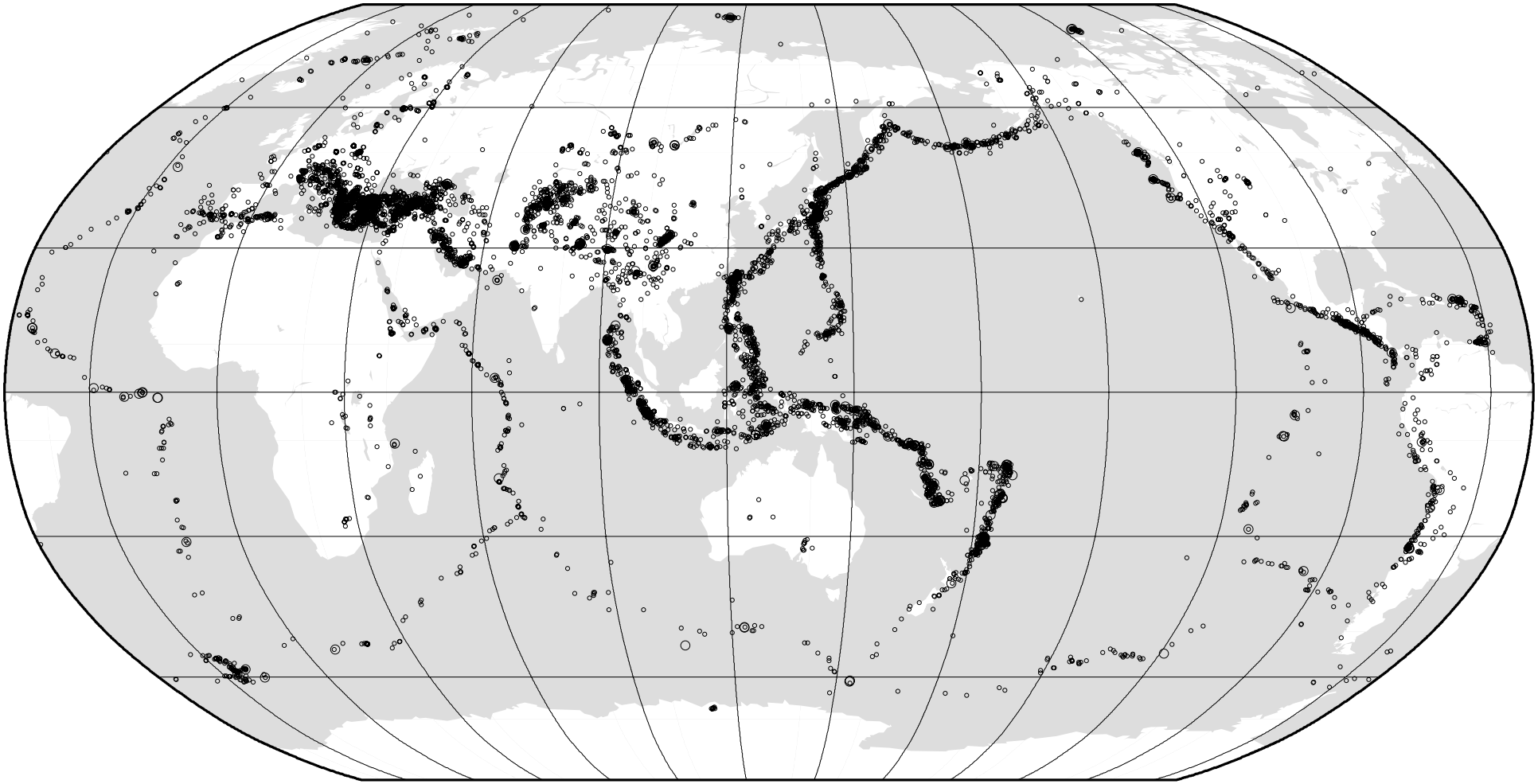
Magnitudes ○ 8 ○ 5 ◦ < 5

Robinson Projection, centred on 0˚N,130˚E

ISC Epicentres for July - December 2008

Depth <= 60 km or Unspecified

12382 Events



Magnitudes ○ 8 ○ 5 ◦ < 5

Robinson Projection, centred on 0˚N,130˚E